



Band 7_Ant 1(DS10)										
Day (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
20	QPSK	1	0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
20	QPSK	1	48	24.11	24.22	24.22	24.22	24.22	24.22	24.22
20	QPSK	1	96	23.80	24.10	24.10	24.10	24.10	24.10	24.10
20	QPSK	30	0	23.10	23.10	23.21	23.21	23.21	23.21	23.21
20	QPSK	30	48	23.00	23.10	23.10	23.10	23.10	23.10	23.10
20	QPSK	30	96	22.80	23.00	23.00	23.00	23.00	23.00	23.00
20	QPSK	100	0	23.04	23.16	23.20	23.20	23.20	23.20	23.20
20	QPSK	100	48	22.94	23.04	23.08	23.08	23.08	23.08	23.08
20	QPSK	100	96	22.84	22.94	22.98	22.98	22.98	22.98	22.98
20	QPSK	100	144	22.74	22.84	22.88	22.88	22.88	22.88	22.88
20	QPSK	100	192	22.64	22.74	22.78	22.78	22.78	22.78	22.78
20	QPSK	100	240	22.54	22.64	22.68	22.68	22.68	22.68	22.68
20	QPSK	100	288	22.44	22.54	22.58	22.58	22.58	22.58	22.58
20	QPSK	100	336	22.34	22.44	22.48	22.48	22.48	22.48	22.48
20	QPSK	100	384	22.24	22.34	22.38	22.38	22.38	22.38	22.38
20	QPSK	100	432	22.14	22.24	22.28	22.28	22.28	22.28	22.28
20	QPSK	100	480	22.04	22.14	22.18	22.18	22.18	22.18	22.18
20	QPSK	100	528	21.94	22.04	22.08	22.08	22.08	22.08	22.08
20	QPSK	100	576	21.84	21.94	21.98	21.98	21.98	21.98	21.98
20	QPSK	100	624	21.74	21.84	21.88	21.88	21.88	21.88	21.88
20	QPSK	100	672	21.64	21.74	21.78	21.78	21.78	21.78	21.78
20	QPSK	100	720	21.54	21.64	21.68	21.68	21.68	21.68	21.68
20	QPSK	100	768	21.44	21.54	21.58	21.58	21.58	21.58	21.58
20	QPSK	100	816	21.34	21.44	21.48	21.48	21.48	21.48	21.48
20	QPSK	100	864	21.24	21.34	21.38	21.38	21.38	21.38	21.38
20	QPSK	100	912	21.14	21.24	21.28	21.28	21.28	21.28	21.28
20	QPSK	100	960	21.04	21.14	21.18	21.18	21.18	21.18	21.18
20	QPSK	100	1008	20.94	21.04	21.08	21.08	21.08	21.08	21.08
20	QPSK	100	1056	20.84	20.94	20.98	20.98	20.98	20.98	20.98
20	QPSK	100	1104	20.74	20.84	20.88	20.88	20.88	20.88	20.88
20	QPSK	100	1152	20.64	20.74	20.78	20.78	20.78	20.78	20.78
20	QPSK	100	1200	20.54	20.64	20.68	20.68	20.68	20.68	20.68
20	QPSK	100	1248	20.44	20.54	20.58	20.58	20.58	20.58	20.58
20	QPSK	100	1296	20.34	20.44	20.48	20.48	20.48	20.48	20.48
20	QPSK	100	1344	20.24	20.34	20.38	20.38	20.38	20.38	20.38
20	QPSK	100	1392	20.14	20.24	20.28	20.28	20.28	20.28	20.28
20	QPSK	100	1440	20.04	20.14	20.18	20.18	20.18	20.18	20.18
20	QPSK	100	1488	19.94	20.04	20.08	20.08	20.08	20.08	20.08
20	QPSK	100	1536	19.84	19.94	19.98	19.98	19.98	19.98	19.98
20	QPSK	100	1584	19.74	19.84	19.88	19.88	19.88	19.88	19.88
20	QPSK	100	1632	19.64	19.74	19.78	19.78	19.78	19.78	19.78
20	QPSK	100	1680	19.54	19.64	19.68	19.68	19.68	19.68	19.68
20	QPSK	100	1728	19.44	19.54	19.58	19.58	19.58	19.58	19.58
20	QPSK	100	1776	19.34	19.44	19.48	19.48	19.48	19.48	19.48
20	QPSK	100	1824	19.24	19.34	19.38	19.38	19.38	19.38	19.38
20	QPSK	100	1872	19.14	19.24	19.28	19.28	19.28	19.28	19.28
20	QPSK	100	1920	19.04	19.14	19.18	19.18	19.18	19.18	19.18
20	QPSK	100	1968	18.94	19.04	19.08	19.08	19.08	19.08	19.08
20	QPSK	100	2016	18.84	18.94	18.98	18.98	18.98	18.98	18.98
20	QPSK	100	2064	18.74	18.84	18.88	18.88	18.88	18.88	18.88
20	QPSK	100	2112	18.64	18.74	18.78	18.78	18.78	18.78	18.78
20	QPSK	100	2160	18.54	18.64	18.68	18.68	18.68	18.68	18.68
20	QPSK	100	2208	18.44	18.54	18.58	18.58	18.58	18.58	18.58
20	QPSK	100	2256	18.34	18.44	18.48	18.48	18.48	18.48	18.48
20	QPSK	100	2304	18.24	18.34	18.38	18.38	18.38	18.38	18.38
20	QPSK	100	2352	18.14	18.24	18.28	18.28	18.28	18.28	18.28
20	QPSK	100	2400	18.04	18.14	18.18	18.18	18.18	18.18	18.18
20	QPSK	100	2448	17.94	18.04	18.08	18.08	18.08	18.08	18.08
20	QPSK	100	2496	17.84	17.94	17.98	17.98	17.98	17.98	17.98
20	QPSK	100	2544	17.74	17.84	17.88	17.88	17.88	17.88	17.88
20	QPSK	100	2592	17.64	17.74	17.78	17.78	17.78	17.78	17.78
20	QPSK	100	2640	17.54	17.64	17.68	17.68	17.68	17.68	17.68
20	QPSK	100	2688	17.44	17.54	17.58	17.58	17.58	17.58	17.58
20	QPSK	100	2736	17.34	17.44	17.48	17.48	17.48	17.48	17.48
20	QPSK	100	2784	17.24	17.34	17.38	17.38	17.38	17.38	17.38
20	QPSK	100	2832	17.14	17.24	17.28	17.28	17.28	17.28	17.28
20	QPSK	100	2880	17.04	17.14	17.18	17.18	17.18	17.18	17.18
20	QPSK	100	2928	16.94	17.04	17.08	17.08	17.08	17.08	17.08
20	QPSK	100	2976	16.84	16.94	16.98	16.98	16.98	16.98	16.98
20	QPSK	100	3024	16.74	16.84	16.88	16.88	16.88	16.88	16.88
20	QPSK	100	3072	16.64	16.74	16.78	16.78	16.78	16.78	16.78
20	QPSK	100	3120	16.54	16.64	16.68	16.68	16.68	16.68	16.68
20	QPSK	100	3168	16.44	16.54	16.58	16.58	16.58	16.58	16.58
20	QPSK	100	3216	16.34	16.44	16.48	16.48	16.48	16.48	16.48
20	QPSK	100	3264	16.24	16.34	16.38	16.38	16.38	16.38	16.38
20	QPSK	100	3312	16.14	16.24	16.28	16.28	16.28	16.28	16.28
20	QPSK	100	3360	16.04	16.14	16.18	16.18	16.18	16.18	16.18
20	QPSK	100	3408	15.94	16.04	16.08	16.08	16.08	16.08	16.08
20	QPSK	100	3456	15.84	15.94	15.98	15.98	15.98	15.98	15.98
20	QPSK	100	3504	15.74	15.84	15.88	15.88	15.88	15.88	15.88
20	QPSK	100	3552	15.64	15.74	15.78	15.78	15.78	15.78	15.78
20	QPSK	100	3600	15.54	15.64	15.68	15.68	15.68	15.68	15.68
20	QPSK	100	3648	15.44	15.54	15.58	15.58	15.58	15.58	15.58
20	QPSK	100	3696	15.34	15.44	15.48	15.48	15.48	15.48	15.48
20	QPSK	100	3744	15.24	15.34	15.38	15.38	15.38	15.38	15.38
20	QPSK	100	3792	15.14	15.24	15.28	15.28	15.28	15.28	15.28
20	QPSK	100	3840	15.04	15.14	15.18	15.18	15.18	15.18	15.18
20	QPSK	100	3888	14.94	15.04	15.08	15.08	15.08	15.08	15.08
20	QPSK	100	3936	14.84	14.94	14.98	14.98	14.98	14.98	14.98
20	QPSK	100	3984	14.74	14.84	14.88	14.88	14.88	14.88	14.88
20	QPSK	100	4032	14.64	14.74	14.78	14.78	14.78	14.78	14.78
20	QPSK	100	4080	14.54	14.64	14.68	14.68	14.68	14.68	14.68
20	QPSK	100	4128	14.44	14.54	14.58	14.58	14.58	14.58	14.58
20	QPSK	100	4176	14.34	14.44	14.48	14.48	14.48	14.48	14.48
20	QPSK	100	4224	14.24	14.34	14.38	14.38	14.38	14.38	14.38
20	QPSK	100	4272	14.14	14.24	14.28	14.28	14.28	14.28	14.28
20	QPSK	100	4320	14.04	14.14	14.18	14.18	14.18	14.18	14.18
20	QPSK	100	4368	13.94	14.04	14.08	14.08	14.08	14.08	14.08
20	QPSK	100	4416	13.84	13.94	13.98	13.98	13.98	13.98	13.98
20	QPSK	100	4464	13.74	13.84	13.88	13.88	13.88	13.88	13.88
20	QPSK	100	4512	13.64	13.74	13.78	13.78	13.78	13.78	13.78
20	QPSK	100	4560	13.54	13.64	13.68	13.68	13.68	1	



Band 7_Ant 0(DS10)(other PA)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Proc	Power Ch./F/Proc	Power Ch./F/Proc	Time-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20660	21100	21560				
20	QPSK	1	0	23.43	23.50	23.56				
20	QPSK	1	49	23.63	23.72	23.73		25	0	
20	QPSK	50	0	23.56	23.60	23.66				
20	QPSK	50	24	23.68	23.64	23.62		24	1	
20	QPSK	100	0	23.02	23.10	23.16				
20	16QAM	1	0	22.90	23.06	22.87				
20	16QAM	1	49	23.04	23.23	23.06		24	1	
20	16QAM	1	99	22.97	23.17	23.13				
20	16QAM	50	0	22.12	22.15	22.06				
20	16QAM	50	24	22.06	22.00	21.96		23	2	
20	16QAM	100	0	21.88	22.01	21.99				
20	16QAM	100	49	21.98	22.08	21.91		23	2	
20	16QAM	1	99	21.97	22.13	21.92				
20	16QAM	50	24	20.88	21.02	20.87		22	3	
20	16QAM	50	50	21.08	21.00	21.00				
20	16QAM	100	0	20.94	21.00	20.91				
20	16QAM	100	49	20.93	21.00	21.03				
Channel										
Frequency (MHz)				2507.5	2535	2562.5	Time-up (dBm)	MPR (dB)		
15	QPSK	1	0	23.46	23.36	23.36		25	0	
15	QPSK	1	37	23.55	23.63	23.72				
15	QPSK	1	74	23.65	23.51	23.63				
15	QPSK	36	0	22.11	22.16	22.21		24	1	
15	QPSK	36	39	22.16	22.13	22.18				
15	QPSK	75	0	22.02	22.18	22.08				
15	QPSK	75	49	22.04	22.02	22.01		24	1	
15	QPSK	1	37	22.19	22.11	22.18				
15	16QAM	1	74	22.00	22.08	22.10				
15	16QAM	1	99	22.05	21.99	21.93		23	2	
15	16QAM	36	0	21.97	21.84	21.95				
15	16QAM	36	39	21.88	21.80	21.99				
15	16QAM	75	0	21.88	21.97	21.89				
15	16QAM	75	49	21.94	21.87	21.87		23	2	
15	16QAM	1	37	22.01	21.90	21.92				
15	16QAM	1	74	22.06	21.95	22.06				
15	16QAM	36	0	20.92	20.88	20.97		22	3	
15	16QAM	36	39	20.92	20.90	21.10				
15	16QAM	75	0	20.90	20.94	20.92				
Channel										
Frequency (MHz)				2680	21100	21400	Time-up (dBm)	MPR (dB)		
10	QPSK	1	0	22.53	22.62	22.65		26	0	
10	QPSK	1	25	22.64	22.67	22.69				
10	QPSK	1	49	22.47	22.52	22.52				
10	QPSK	25	0	22.06	22.06	22.21		24	1	
10	QPSK	25	12	22.03	22.03	22.88				
10	QPSK	25	25	22.14	22.07	22.15				
10	QPSK	50	0	22.07	22.02	22.11				
10	16QAM	1	25	22.03	22.04	22.18		24	1	
10	16QAM	1	49	22.08	22.07	22.14				
10	16QAM	1	99	22.07	22.14	22.16				
10	16QAM	25	12	21.97	22.04	21.96		23	2	
10	16QAM	25	25	21.84	21.96	21.85				
10	16QAM	1	0	21.97	21.83	21.81		23	2	
10	16QAM	1	25	22.01	21.97	21.94				
10	16QAM	1	49	22.10	22.03	21.98				
10	16QAM	25	0	20.88	20.82	20.83				
10	16QAM	25	12	20.86	20.85	20.80		22	3	
10	16QAM	25	25	20.92	20.90	20.90				
10	16QAM	50	0	20.97	21.00	20.87				
Channel										
Frequency (MHz)				2077.5	21100	21400	Time-up (dBm)	MPR (dB)		
5	QPSK	1	0	22.52	22.45	22.41		26	0	
5	QPSK	1	12	22.58	22.65	22.65				
5	QPSK	1	24	22.49	22.52	22.61				
5	QPSK	12	0	22.07	22.07	22.12		24	1	
5	QPSK	12	7	22.01	22.07	22.02				
5	QPSK	12	13	22.15	22.10	22.16				
5	QPSK	25	0	22.07	22.04	22.09				
5	16QAM	1	0	22.00	22.04	22.86		24	1	
5	16QAM	1	12	22.09	22.12	22.05				
5	16QAM	1	24	22.00	22.02	22.07				
5	16QAM	12	0	21.97	21.97	22.07				
5	16QAM	12	7	21.97	21.94	21.98		23	2	
5	16QAM	12	13	21.90	21.96	21.97				
5	16QAM	25	0	21.93	21.81	21.85				
5	16QAM	1	0	21.88	22.00	21.88		23	2	
5	16QAM	1	12	21.87	22.03	22.00				
5	16QAM	1	24	21.94	22.05	22.09				
5	16QAM	12	0	20.93	20.86	20.93		22	3	
5	16QAM	12	13	21.01	21.03	21.05				
5	16QAM	25	0	20.90	20.84	20.83				

Band 7_Ant 1(DS10)(other PA)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Proc	Power Ch./F/Proc	Power Ch./F/Proc	Time-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20660	21100	21560				
20	QPSK	1	0	23.22	22.91	23.08		24.5	0	
20	QPSK	1	49	23.33	22.99	23.38				
20	QPSK	50	0	22.17	22.31	22.11				
20	QPSK	50	24	22.30	22.33	22.24		23.5	1	
20	QPSK	100	0	22.17	22.19	22.21				
20	16QAM	1	0	22.38	22.42	22.24				
20	16QAM	1	49	22.33	22.39	22.28		23.5	1	
20	16QAM	1	99	22.30	22.35	22.29				
20	16QAM	50	0	21.24	21.38	21.26				
20	16QAM	50	24	21.15	21.18	21.15		22.5	2	
20	16QAM	100	0	21.24	21.32	21.27				
20	16QAM	100	49	21.26	21.28	21.27		22.5	2	
20	16QAM	1	99	21.16	21.23	21.14				
20	16QAM	50	24	20.14	20.24	20.11		21.5	3	
20	16QAM	50	50	20.18	20.24	20.10				
20	16QAM	100	0	20.26	20.34	20.17				
20	16QAM	100	49	20.25	20.30	21.15				
Channel										
Frequency (MHz)				2507.5	2535	2562.5	Time-up (dBm)	MPR (dB)		
15	QPSK	1	0	22.89	22.85	22.85		24.5	0	
15	QPSK	1	37	22.87	22.86	22.80				
15	QPSK	1	74	22.90	22.85	22.85				
15	QPSK	36	0	22.17	22.18	22.18		23.5	1	
15	QPSK	36	39	22.26	22.29	22.29				
15	QPSK	75	0	22.09	22.11	22.14		23.5	1	
15	QPSK	75	49	22.15	22.05	22.14				
15	QPSK	1	37	22.18	22.27	22.28		23.5	1	
15	16QAM	1	74	22.33	22.29	22.21				
15	16QAM	1	99	21.23	21.28	21.21				
15	16QAM	36	0	21.17	21.03	21.14		22.5	2	
15	16QAM	36	39	21.14	21.11	21.19				
15	16QAM	75	0	21.19	21.26	21.25				
15	16QAM	75	49	21.26	21.26	21.32		22.5	2	
15	16QAM	1	37	21.15	21.20	21.13				
15	16QAM	1	74	21.16	21.13	21.19				
15	16QAM	36	0	20.32	20.26	20.25		21.5	3	
15	16QAM	36	39	20.23	20.14	20.16				
15	16QAM	75	0	20.29	20.17	20.23				
Channel										
Frequency (MHz)				2680	21100	21400	Time-up (dBm)	MPR (dB)		
10	QPSK	1	0	22.55	22.67	22.61		24.5	0	
10	QPSK	1	25	22.56	22.58	22.63				
10	QPSK	1	49	22.81	22.84	22.79				
10	QPSK	25	0	22.28	22.27	22.29		23.5	1	
10	QPSK	25	12	22.28	22.30	22.21				
10	QPSK	25	25	22.14	22.10	22.10				
10	QPSK	50	0	22.11	22.07	22.13				
10	16QAM	1	25	22.38	22.40	22.41		23.5	1	
10	16QAM	1	49	22.25	22.24	22.18				
10	16QAM	1	99	22.27	22.25	22.32				
10	16QAM	25	0	21.22	21.25	21.23		22.5	2	
10	16QAM	25	12	21.13	21.06	21.17				
10	16QAM	25	25	21.07	21.06	21.12				
10	16QAM	1	0	21.30	21.34	21.28		22.5	2	
10	16QAM	1	25	21.17	21.19	21.22				
10	16QAM	1	49	21.14	21.10	21.10				
10	16QAM	25	0	20.23	20.23	20.24		21.5	3	
10	16QAM	25	12	20.16	20.22	20.22				
10	16QAM	25	25	20.14	20.22	20.21				
10	16QAM	50	0	20.31	20.31	20.28				
Channel										
Frequency (MHz)				2077.5	21100	21400	Time-up (dBm)	MPR (dB)		
5	QPSK	1	0	22.77	22.82	22.77		24.5	0	
5	QPSK	1	12	22.87	22.83	22.80				
5	QPSK	1	24	22.86	22.80	22.78				
5	QPSK	12	0	22.22	22.20	22.21		23.5	1	
5	QPSK	12	7	22.30	22.21	22.30				
5	QPSK	12	13	22.17	22.22	22.15				
5	QPSK	25								



Band 7_Ant 0(DS1)(other PA)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Proc	Power Ch./F/Proc	Power Ch./F/Proc	Time-up limit (dBm)	MPR (dB)	
Channel									
20	QPSK	1	0	22.44	22.37	22.48			
20	QPSK	1	49	22.81	22.59	22.85	24	0	
20	QPSK	50	0	22.44	22.52	22.54			
20	QPSK	50	24	22.81	22.67	22.63			
20	QPSK	100	0	22.58	22.45	22.58	20.5	0	
20	16QAM	1	0	22.42	22.54	22.42			
20	16QAM	1	49	22.81	22.53	22.43	24	0	
20	16QAM	1	99	22.21	22.54	22.23			
20	16QAM	50	0	22.80	22.62	21.91			
20	16QAM	50	24	21.95	22.01	21.96			
20	16QAM	50	50	21.81	21.93	21.87	23	1	
20	16QAM	100	0	21.82	22.51	21.98			
20	16QAM	100	49	21.76	21.88	21.82	23	1	
20	16QAM	100	99	21.90	21.91	21.89			
20	16QAM	50	0	20.96	20.98	20.97			
20	16QAM	50	24	20.90	20.98	20.97			
20	16QAM	50	50	20.85	20.94	20.92	22	2	
20	16QAM	100	0	20.92	20.90	20.94			
Channel									
15	QPSK	1	0	22.35	22.43	22.34			
15	QPSK	1	37	22.62	22.54	22.52	24	0	
15	QPSK	1	74	22.40	22.33	22.39			
15	QPSK	36	0	22.52	22.53	22.42			
15	QPSK	36	36	22.56	22.47	22.49	24	0	
15	QPSK	75	0	22.50	22.50	22.43			
15	QPSK	75	37	22.38	22.52	22.41	24	0	
15	16QAM	1	74	22.31	22.23	22.32			
15	16QAM	1	99	21.97	21.98	21.97			
15	16QAM	36	20	22.00	21.96	21.89	23	1	
15	16QAM	36	39	21.78	21.83	21.81			
15	16QAM	75	0	21.91	21.91	21.94			
15	16QAM	75	37	21.85	21.83	21.76	23	1	
15	16QAM	75	99	21.86	21.80	21.90			
15	16QAM	36	0	21.00	20.94	20.98			
15	16QAM	36	20	20.91	20.97	20.96	22	2	
15	16QAM	36	39	20.92	20.87	20.85			
15	16QAM	75	0	20.91	20.94	20.91			
Channel									
5	QPSK	1	0	22.43	22.47	22.43			
5	QPSK	1	12	22.58	22.52	22.52	24	0	
5	QPSK	1	24	22.45	22.20	22.34			
5	QPSK	12	0	22.50	22.51	22.51			
5	QPSK	12	7	22.53	22.58	22.51	24	0	
5	QPSK	12	13	22.57	22.53	22.58			
5	QPSK	25	0	22.54	22.41	22.55			
5	16QAM	1	0	22.48	22.45	22.52			
5	16QAM	1	12	22.52	22.44	22.44	24	0	
5	16QAM	1	24	22.24	22.24	22.26			
5	16QAM	12	0	21.95	21.97	21.89			
5	16QAM	12	7	21.85	21.90	21.89	23	1	
5	16QAM	12	13	21.90	21.81	21.86			
5	16QAM	1	0	21.76	21.78	21.75			
5	16QAM	1	24	21.82	21.78	21.88	23	1	
5	16QAM	12	0	20.97	21.02	20.95			
5	16QAM	12	7	20.93	20.99	20.95			
5	16QAM	12	13	20.85	20.93	20.90	22	2	
5	16QAM	25	0	20.91	20.92	20.92			

Band 7_Ant 1(DS1)(other PA)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Proc	Power Ch./F/Proc	Power Ch./F/Proc	Time-up limit (dBm)	MPR (dB)	
Channel									
20	QPSK	1	0	19.16	19.25	19.26			
20	QPSK	1	49	19.23	19.28	19.21			
20	QPSK	50	0	18.96	18.89	19.00			
20	QPSK	50	24	19.14	19.15	19.26	20.5	0	
20	QPSK	100	0	18.95	18.95	19.09			
20	16QAM	1	0	18.96	18.97	19.08			
20	16QAM	1	49	19.00	19.09	19.12	24	0	
20	16QAM	1	99	19.12	19.10	19.23			
20	16QAM	50	0	19.06	18.99	19.13			
20	16QAM	50	24	19.27	19.25	19.20			
20	16QAM	50	50	19.20	19.13	19.24	20.5	0	
20	16QAM	100	0	18.97	18.90	19.02			
20	16QAM	100	49	19.00	19.11	19.20	20.5	0	
20	16QAM	100	99	19.09	19.12	19.17			
20	16QAM	50	0	18.99	18.96	19.04			
20	16QAM	50	24	19.10	19.13	19.20			
20	16QAM	50	50	19.05	19.02	19.11	20.5	0	
20	16QAM	100	0	18.99	18.99	19.12			
Channel									
15	QPSK	1	0	19.15	19.25	19.16			
15	QPSK	1	37	19.20	19.17	19.28	20.5	0	
15	QPSK	1	74	19.04	18.91	19.03			
15	QPSK	36	0	18.88	18.99	18.89			
15	QPSK	36	36	19.08	19.10	19.09	20.5	0	
15	QPSK	75	0	19.07	18.94	18.99			
15	QPSK	75	37	18.91	18.99	19.05	20.5	0	
15	16QAM	1	37	18.98	19.07	19.11	20.5	0	
15	16QAM	1	74	19.08	19.19	19.21			
15	16QAM	1	99	19.10	19.11	19.08			
15	16QAM	36	20	19.22	19.25	19.23	20.5	0	
15	16QAM	36	39	19.12	19.19	19.19			
15	16QAM	75	0	18.99	18.93	19.07			
15	16QAM	75	37	19.06	19.04	19.07	20.5	0	
15	16QAM	75	99	19.06	19.05	19.11			
15	16QAM	36	0	18.98	18.96	19.09			
15	16QAM	36	20	19.18	19.12	19.19	20.5	0	
15	16QAM	36	39	19.08	19.04	19.08			
15	16QAM	75	0	18.93	18.93	18.93			
Channel									
5	QPSK	1	0	19.19	19.21	19.13			
5	QPSK	1	12	19.29	19.20	19.28	20.5	0	
5	QPSK	1	24	19.02	19.01	18.88			
5	QPSK	12	0	18.98	18.87	18.89			
5	QPSK	12	7	18.18	18.15	19.25	20.5	0	
5	QPSK	12	13	19.04	19.04	18.96			
5	QPSK	25	0	18.99	19.00	19.05			
5	16QAM	1	0	18.93	19.07	19.01			
5	16QAM	1	12	19.04	19.00	19.04			
5	16QAM	1	24	19.11	19.21	19.18			
5	16QAM	12	0	19.05	19.04	19.01			
5	16QAM	12	7	19.24	19.28	19.22	20.5	0	
5	16QAM	12	13	19.15	19.22	19.22			
5	16QAM	25	0	18.91	18.95	18.94			
5	16QAM	25	0	18.96	18.93	18.94	20.5	0	
5	16QAM	1	24	19.11	19.13	19.05			
5	16QAM	12	0	18.99	19.01	18.96			
5	16QAM	12	7	19.10	19.18	19.17			
5	16QAM	12	13	19.05	19.06	19.04	20.5	0	
5	16QAM	25	0	18.99	18.94	18.90			

Band 7_Ant 3(DS1)(other PA)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Proc	Power Ch./F/Proc	Power Ch./F/Proc	Time-up limit (dBm)	MPR (dB)	
Channel									
20	QPSK	1	0	18.99	19.10	19.13			
20	QPSK	1	49	19.01	19.13	19.10	20	0	
20	QPSK	50	0	18.97	19.02	19.02			
20	QPSK	50	24	19.05	19.07	19.13			
20	QPSK	100	0	18.97	19.05	19.05			
20	QPSK	100	49	18.99	19.02	19.00	20	0	
20	16QAM	1	0	19.04	19.10	19.12			
20	16QAM	1	49	19.07	19.07	19.08			
20	16QAM	1	99	18.92	19.00	19.04			
20	16QAM	50	0	18.99	19.02	19.11			
20	16QAM	50	24	18.90	18.92	19.00			
20	16QAM	50	50	19.07	19.08	19.14	20	0	
20	16QAM	100	0	18.96	18.97	19.08			
20	16QAM	100	49	19.07	19.04	19.08	20	0	
20	16QAM	100	99	19.06	19.07	19.09			
20	16QAM	50	0	19.03	19.02	19.04			
20	16QAM	50	24	18.98	18.98	19.08			
20	16QAM	50	50	18.95	19.03	19.02	20		



Band 7_Ant 0(DS13)(other PA)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Freq	Power Ch./F/Freq	Power Ch./F/Freq	Time-up limit (min)	MFR (dB)	
Channel									
Frequency (MHz)				20660	21100	21500			
20	QPSK	1	0	22.44	22.37	22.48			
20	QPSK	1	49	22.81	22.59	22.85	24	0	
20	QPSK	1	98	22.81	22.59	22.85			
20	QPSK	50	0	22.44	22.52	22.54			
20	QPSK	50	24	22.81	22.87	22.83	24	0	
20	QPSK	50	49	22.81	22.83	22.81			
20	QPSK	100	0	22.58	22.48	22.58			
20	16QAM	1	0	22.42	22.54	22.42			
20	16QAM	1	49	22.81	22.53	22.43	24	0	
20	16QAM	1	99	22.21	22.54	22.23			
20	16QAM	50	0	22.80	22.82	21.91			
20	16QAM	50	24	21.95	22.01	21.96			
20	16QAM	50	50	21.81	21.93	21.87	23	1	
20	16QAM	100	0	21.82	22.51	21.88			
20	16QAM	100	49	21.78	21.88	21.82	23	1	
20	16QAM	100	99	21.90	21.91	21.89			
20	16QAM	50	24	20.90	20.98	20.97	22	2	
20	16QAM	50	50	20.85	20.94	20.92			
20	16QAM	100	0	20.92	20.90	20.94			
20	16QAM	100	49	20.93	21.90	21.83			
Channel									
Frequency (MHz)				2507.5	2535	2562.5	Time-up limit (min)	MFR (dB)	
15	QPSK	1	0	22.35	22.43	22.34			
15	QPSK	1	37	22.82	22.84	22.82	24	0	
15	QPSK	1	74	22.40	22.33	22.39			
15	QPSK	36	0	22.52	22.53	22.42			
15	QPSK	36	36	22.53	22.62	22.57	24	0	
15	QPSK	36	72	22.56	22.47	22.49			
15	QPSK	75	0	22.50	22.50	22.43			
15	QPSK	75	36	22.52	22.52	22.48	24	0	
15	QPSK	100	0	22.38	22.52	22.41	24	0	
15	16QAM	1	74	22.31	22.23	22.32			
15	16QAM	1	99	21.97	21.98	21.97			
15	16QAM	36	20	21.80	21.80	21.89	23	1	
15	16QAM	36	39	21.78	21.83	21.81			
15	16QAM	75	0	21.91	21.91	21.94			
15	16QAM	75	36	21.95	21.93	21.92	23	1	
15	16QAM	100	0	21.85	21.83	21.78			
15	16QAM	100	74	21.86	21.80	21.90			
15	16QAM	100	99	21.80	21.80	21.90	22	2	
15	16QAM	36	39	20.92	20.87	20.85			
15	16QAM	75	0	20.91	20.94	20.91			
Channel									
Frequency (MHz)				2505	2535	2565	Time-up limit (min)	MFR (dB)	
10	QPSK	1	0	22.39	22.34	22.35			
10	QPSK	1	25	22.44	22.54	22.56	24	0	
10	QPSK	1	49	22.41	22.34	22.34			
10	QPSK	25	0	22.52	22.49	22.49			
10	QPSK	25	12	22.58	22.53	22.55	24	0	
10	QPSK	25	25	22.54	22.54	22.49			
10	QPSK	50	0	22.44	22.43	22.48			
10	16QAM	1	0	22.41	22.52	22.40			
10	16QAM	1	25	22.40	22.39	22.44	24	0	
10	16QAM	1	49	22.23	22.22	22.30			
10	16QAM	1	74	21.85	21.87	21.88			
10	16QAM	25	12	21.84	21.83	21.85	23	1	
10	16QAM	100	0	21.87	21.80	21.88			
10	16QAM	100	49	21.81	21.89	21.86	23	1	
10	16QAM	100	74	21.82	21.78	21.78			
10	16QAM	25	12	21.13	21.16	21.17	22.5	2	
10	16QAM	25	25	21.07	21.06	21.12			
10	16QAM	50	0	21.18	21.21	21.20			
10	16QAM	100	0	21.30	21.34	21.28	22.5	2	
10	16QAM	100	49	21.17	21.19	21.22			
10	16QAM	100	74	21.14	21.10	21.13	22.5	2	
10	16QAM	25	12	20.23	20.23	20.24			
10	16QAM	25	12	20.16	20.22	20.22	21.5	3	
10	16QAM	25	25	20.14	20.22	20.21			
10	16QAM	50	0	20.31	20.31	20.28			
Channel									
Frequency (MHz)				2077.5	21100	21426	Time-up limit (min)	MFR (dB)	
5	QPSK	1	0	22.77	22.82	22.77			
5	QPSK	1	12	22.97	22.93	22.80	24.5	0	
5	QPSK	1	24	22.86	22.80	22.78			
5	QPSK	12	0	22.92	22.90	22.91			
5	QPSK	12	7	22.36	22.21	22.30	23.5	1	
5	QPSK	12	13	22.17	22.22	22.15			
5	QPSK	25	0	22.14	22.15	22.11			
5	16QAM	1	0	22.31	22.35	22.35			
5	16QAM	1	12	22.27	22.23	22.28	23.5	1	
5	16QAM	12	0	21.35	21.29	21.30			
5	16QAM	12	7	21.04	21.14	21.05	22.5	2	
5	16QAM	12	13	21.06	21.03	21.09			
5	16QAM	25	0	21.18	21.22	21.24			
5	16QAM	1	0	21.31	21.23	21.26	22.5	2	
5	16QAM	1	12	21.16	21.21	21.22			
5	16QAM	12	0	20.28	20.28	20.32			
5	16QAM	12	13	20.22	20.20	20.20	21.5	3	
5	16QAM	25	0	20.28	20.28	20.31			

Band 7_Ant 1(DS13)(other PA)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Freq	Power Ch./F/Freq	Power Ch./F/Freq	Time-up limit (min)	MFR (dB)	
Channel									
Frequency (MHz)				20660	21100	21500			
20	QPSK	1	0	22.22	22.91	23.08	24.5	0	
20	QPSK	1	49	23.33	22.99	23.38			
20	QPSK	1	99	22.21	22.91	23.11			
20	QPSK	50	0	22.17	22.31	22.11			
20	QPSK	50	24	22.30	22.33	22.34	23.5	1	
20	QPSK	50	49	22.30	22.28	22.28			
20	QPSK	100	0	22.17	22.19	22.21			
20	16QAM	1	0	22.38	22.42	22.34			
20	16QAM	1	49	22.33	22.29	22.28	23.5	1	
20	16QAM	1	99	22.30	22.35	22.29			
20	16QAM	50	0	21.24	21.38	21.26			
20	16QAM	50	24	21.15	21.18	21.15			
20	16QAM	50	50	21.14	21.20	21.05	22.5	2	
20	16QAM	100	0	21.24	21.32	21.27			
20	16QAM	100	49	21.26	21.28	21.24	22.5	2	
20	16QAM	100	99	21.16	21.23	21.14			
20	16QAM	50	24	20.14	20.24	20.11	21.5	3	
20	16QAM	50	50	20.18	20.24	20.10			
20	16QAM	100	0	20.28	20.34	20.17			
20	16QAM	100	49	20.23	21.00	21.05			
Channel									
Frequency (MHz)				2507.5	2535	2562.5	Time-up limit (min)	MFR (dB)	
15	QPSK	1	0	22.89	22.85	22.85	24.5	0	
15	QPSK	1	37	22.87	22.86	22.80			
15	QPSK	1	74	22.90	22.85	22.85			
15	QPSK	36	0	22.17	22.18	22.18			
15	QPSK	36	36	22.26	22.29	22.29	23.5	1	
15	QPSK	36	72	22.09	22.11	22.14			
15	QPSK	75	0	22.15	22.05	22.14			
15	QPSK	75	36	22.22	22.22	22.22	23.5	1	
15	QPSK	100	0	22.18	22.27	22.28			
15	16QAM	1	74	22.33	22.29	22.21			
15	16QAM	1	99	21.23	21.28	21.21			
15	16QAM	36	20	21.17	21.13	21.14	22.5	2	
15	16QAM	36	39	21.14	21.11	21.19			
15	16QAM	75	0	21.19	21.25	21.25			
15	16QAM	75	36	21.28	21.26	21.22	22.5	2	
15	16QAM	100	0	21.15	21.20	21.13			
15	16QAM	100	74	21.16	21.13	21.19			
15	16QAM	100	99	20.32	20.30	20.25	21.5	3	
15	16QAM	36	39	20.23	20.14	20.15			
15	16QAM	75	0	20.29	20.17	20.23			
Channel									
Frequency (MHz)				2505	2535	2565	Time-up limit (min)	MFR (dB)	
10	QPSK	1	0	22.85	22.87	22.81	24.5	0	
10	QPSK	1	25	22.95	22.98	22.83			
10	QPSK	1	49	22.81	22.84	22.79			
10	QPSK	25	0	22.28	22.27	22.29			
10	QPSK	25	12	22.28	22.30	22.21	23.5	1	
10	QPSK	25	25	22.14	22.19	22.10			
10	QPSK	50	0	22.11	22.07	22.13			
10	16QAM	1	0	22.38	22.40	22.41			
10	16QAM	1	25	22.25	22.24	22.18	23.5	1	
10	16QAM	1	49	22.27	22.25	22.32			
10	16QAM	1	74	21.22	21.25	21.23			
10	16QAM	25	12	21.13	21.16	21.17	22.5	2	
10	16QAM	25	25	21.07	21.06	21.12			
10	16QAM	50	0	21.18	21.21	21.20			
10	16QAM	100	0	21.30	21.34	21.28	22.5	2	
10	16QAM	100	49	21.17	21.19	21.22			
10	16QAM	100	74	21.14	21.10	21.13	22.5	2	
10	16QAM	25	12	20.23	20.23	20.24			
10	16QAM	25	12	20.16	20.22	20.22	21.5	3	
10	16QAM	25	25	20.14	20.22	20.21			
10	16QAM	50	0	20.31	20.31	20.28			
Channel									
Frequency									



Band 7_Ant 0(DS14)(other PA)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Max	Power Ch./F/Max	Power Ch./F/Max	Time-up limit (min)	MPR (dB)		
Channel										
Frequency (MHz)				20660	21100	21560				
20	QPSK	1	0	19.30	19.98	19.98				
20	QPSK	1	49	20.02	20.14	20.17	21.5	0		
20	QPSK	50	0	19.92	19.94	19.96				
20	QPSK	50	0	20.03	20.02	20.09				
20	QPSK	50	24	20.13	20.07	20.15	21.5	0		
20	QPSK	100	0	20.03	19.98	20.11				
20	16QAM	1	0	20.08	20.00	20.10				
20	16QAM	1	49	19.92	19.92	20.00	21.5	0		
20	16QAM	1	99	20.05	20.00	20.12				
20	16QAM	50	0	20.02	19.97	20.08				
20	16QAM	50	24	20.00	19.99	20.00	21.5	0		
20	16QAM	50	50	19.99	19.94	20.00				
20	16QAM	100	0	20.03	19.97	20.11				
20	16QAM	100	49	19.93	19.97	19.98	21.5	0		
20	16QAM	100	99	20.07	19.99	20.14				
20	16QAM	50	0	19.95	19.92	19.99				
20	16QAM	50	24	19.48	19.40	19.50	21.5	0		
20	16QAM	50	50	19.45	19.40	19.48				
20	16QAM	100	0	19.50	19.42	19.55				
20	16QAM	100	49	20.03	21.00	21.03	Time-up limit (min)	MPR (dB)		
Channel										
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	19.86	19.86	19.87				
15	QPSK	1	37	20.05	20.13	20.12	21.5	0		
15	QPSK	1	74	19.94	19.93	19.93				
15	QPSK	36	0	20.02	20.09	20.06				
15	QPSK	36	36	20.05	20.00	20.12	21.5	0		
15	QPSK	36	39	20.03	20.07	19.99				
15	16QAM	1	0	20.01	20.00	20.08				
15	16QAM	1	49	19.99	19.92	19.93	21.5	0		
15	16QAM	1	74	20.01	20.11	20.01				
15	16QAM	1	20	20.03	20.06	19.99				
15	16QAM	36	20	19.97	19.99	19.98	21.5	0		
15	16QAM	36	39	19.94	19.91	19.94				
15	16QAM	75	0	19.99	20.05	19.98				
15	16QAM	75	0	20.00	20.06	20.04	21.5	0		
15	16QAM	1	37	19.92	19.91	19.88				
15	16QAM	1	74	20.08	20.00	20.06				
15	16QAM	36	0	19.98	19.91	19.91	21.5	0		
15	16QAM	36	20	19.41	19.40	19.45				
15	16QAM	36	39	19.40	19.47	19.41	21.5	0		
15	16QAM	75	0	19.91	19.92	19.87				
Channel										
Frequency (MHz)				2680	21100	21400	Time-up limit (min)	MPR (dB)		
10	QPSK	1	0	19.87	19.84	19.90				
10	QPSK	1	25	20.05	20.00	20.08	21.5	0		
10	QPSK	1	49	20.02	19.97	19.99				
10	QPSK	25	0	20.03	20.11	20.00				
10	QPSK	25	12	20.05	20.06	20.08	21.5	0		
10	QPSK	25	25	20.07	20.04	20.02				
10	QPSK	50	0	20.06	20.01	20.01				
10	16QAM	1	0	20.06	20.00	19.96				
10	16QAM	1	25	19.93	19.89	19.98	21.5	0		
10	16QAM	1	49	20.10	20.07	19.98				
10	16QAM	25	0	20.02	20.02	19.98	21.5	0		
10	16QAM	25	12	19.98	19.85	19.97				
10	16QAM	25	25	19.89	19.85	19.90	21.5	0		
10	16QAM	50	0	20.00	19.99	20.00				
10	16QAM	1	0	20.00	20.03	20.01	21.5	0		
10	16QAM	1	25	19.93	19.86	19.88				
10	16QAM	1	49	20.02	20.07	20.11	21.5	0		
10	16QAM	25	0	19.94	19.92	19.94				
10	16QAM	25	12	19.47	19.45	19.40	21.5	0		
10	16QAM	25	25	19.40	19.45	19.48				
10	16QAM	50	0	19.47	19.52	19.48	21.5	0		
Channel										
Frequency (MHz)				3077.5	21100	21400	Time-up limit (min)	MPR (dB)		
5	QPSK	1	0	19.91	19.89	19.94				
5	QPSK	1	12	20.05	20.03	20.15	21.5	0		
5	QPSK	1	24	19.97	19.90	19.89				
5	QPSK	12	0	20.03	20.11	20.05				
5	QPSK	12	7	20.09	20.01	20.11	21.5	0		
5	QPSK	12	13	20.03	20.12	20.09				
5	QPSK	25	0	20.08	20.03	20.06				
5	16QAM	1	0	20.00	20.00	20.01	21.5	0		
5	16QAM	1	12	19.97	19.94	19.94				
5	16QAM	1	24	20.06	20.06	19.96	21.5	0		
5	16QAM	12	0	19.98	19.94	20.05				
5	16QAM	12	7	19.92	19.88	19.89	21.5	0		
5	16QAM	12	13	19.94	19.94	19.96				
5	16QAM	25	0	19.98	20.10	20.02				
5	16QAM	1	0	20.04	20.04	20.03	21.5	0		
5	16QAM	1	12	19.99	19.95	19.94				
5	16QAM	1	24	20.13	20.03	20.02	21.5	0		
5	16QAM	12	0	19.93	19.92	19.92				
5	16QAM	12	7	19.45	19.40	19.41	21.5	0		
5	16QAM	12	13	19.45	19.48	19.39				
5	16QAM	25	0	19.52	19.48	19.51	21.5	0		

Band 7_Ant 1(DS14)(other PA)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Max	Power Ch./F/Max	Power Ch./F/Max	Time-up limit (min)	MPR (dB)		
Channel										
Frequency (MHz)				20660	21100	21560				
20	QPSK	1	0	19.16	19.25	19.26				
20	QPSK	1	49	19.23	19.28	19.31	20.5	0		
20	QPSK	50	0	19.27	19.25	19.20				
20	QPSK	50	0	19.86	19.89	19.90				
20	QPSK	50	24	19.14	19.15	19.26	20.5	0		
20	QPSK	100	0	19.35	19.35	19.09				
20	16QAM	1	0	19.96	19.97	19.98				
20	16QAM	1	49	19.06	19.09	19.12	20.5	0		
20	16QAM	1	99	19.12	19.10	19.23				
20	16QAM	50	0	19.06	19.99	19.13				
20	16QAM	50	24	19.27	19.25	19.20	20.5	0		
20	16QAM	50	50	19.20	19.13	19.24				
20	16QAM	100	0	19.87	19.90	19.92				
20	16QAM	100	49	19.03	19.04	19.08	20.5	0		
20	16QAM	100	99	19.19	19.11	19.20				
20	16QAM	50	0	19.09	19.12	19.17				
20	16QAM	50	24	19.10	19.13	19.20	20.5	0		
20	16QAM	50	50	19.05	19.02	19.11				
20	16QAM	100	0	19.94	19.89	19.92				
20	16QAM	100	49	20.03	21.00	21.03	Time-up limit (min)	MPR (dB)		
Channel										
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	19.15	19.25	19.16				
15	QPSK	1	37	19.30	19.17	19.38	20.5	0		
15	QPSK	1	74	19.04	19.91	19.03				
15	QPSK	36	0	19.88	19.89	19.89				
15	QPSK	36	36	19.08	19.10	19.09	20.5	0		
15	QPSK	36	39	19.07	19.84	19.99				
15	16QAM	1	0	19.01	19.99	19.05				
15	16QAM	1	37	19.98	19.07	19.11	20.5	0		
15	16QAM	1	74	19.06	19.05	19.11				
15	16QAM	36	0	19.37	19.96	19.05	20.5	0		
15	16QAM	36	0	19.38	19.96	19.09				
15	16QAM	36	20	19.18	19.12	19.19	20.5	0		
15	16QAM	36	39	19.08	19.04	19.08				
15	16QAM	75	0	19.93	19.93	19.83				
Channel										
Frequency (MHz)				2680	21100	21400	Time-up limit (min)	MPR (dB)		
10	QPSK	1	0	19.19	19.23	19.25				
10	QPSK	1	25	19.16	19.20	19.21	20.5	0		
10	QPSK	1	49	19.02	19.95	19.03				
10	QPSK	25	0	19.99	19.98	19.89				
10	QPSK	25	12	19.12	19.14	19.12	20.5	0		
10	QPSK	25	25	19.03	19.97	19.07				
10	QPSK	50	0	19.97	19.99	19.98				
10	16QAM	1	0	19.04	19.95	19.06				
10	16QAM	1	25	19.09	19.95	19.07	20.5	0		
10	16QAM	1	49	19.11	19.19	19.22				
10	16QAM	25	0	19.02	19.10	19.02	20.5	0		
10	16QAM	25	12	19.16	19.15	19.18				
10	16QAM	25	25	19.15	19.09	19.19	20.5	0		
10	16QAM	50	0	19.87	19.97	19.87				
10	16QAM	1	0	19.96	19.61	19.84	20.5	0		
10	16QAM	1	25	19.11	19.18	19.17				
10	16QAM	1	49	19.06	19.11	19.05	20.5	0		
10	16QAM	25	0	19.03	19.94	19.05				
10	16QAM	25	12	19.14	19.11	19.18	20.5	0		
10	16QAM	25	25	19.06	19.02	19.03				
10	16QAM	50	0	19.83						



Band 4_Ant 1(DS10)										
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Time-up	MPR		
Channel	Channel	Channel	Channel	Ch./Freq	Ch./Freq	Ch./Freq	limit	(dB)		
20	QPSK	1	0	24.85	24.90	24.91				
20	QPSK	1	49	24.89	25.03	25.01		26	0	
20	QPSK	50	0	24.85	23.98	24.00				
20	QPSK	50	24	23.90	24.05	24.02				
20	QPSK	100	0	23.87	23.93	23.87		16.5	0	
20	QPSK	100	24	23.83	24.04	24.04				
20	16QAM	1	0	24.02	24.06	24.13				
20	16QAM	1	49	24.04	24.14	24.20		25	1	
20	16QAM	1	99	23.97	24.02	24.01				
20	16QAM	50	0	23.81	23.96	23.99				
20	16QAM	50	24	23.90	23.95	23.95				
20	16QAM	50	50	23.99	23.94	23.94		24	2	
20	16QAM	100	0	22.84	22.89	22.94				
20	16QAM	100	24	22.93	22.94	22.97				
20	16QAM	1	49	22.99	23.03	23.09		24	2	
20	16QAM	1	99	22.93	22.94	22.97				
20	16QAM	50	24	21.88	21.98	22.00				
20	16QAM	50	50	21.83	21.98	21.91		23	3	
20	16QAM	100	0	21.84	21.97	21.94				
15	QPSK	1	0	17.15	17.25	17.25				
15	QPSK	1	49	17.15	17.25	17.25		26	0	
15	QPSK	1	74	17.15	17.25	17.25				
15	QPSK	36	0	15.43	15.71	15.73				
15	QPSK	36	24	15.43	15.71	15.73		25	1	
15	QPSK	36	39	15.43	15.71	15.73				
15	QPSK	75	0	15.37	15.77	15.77				
15	QPSK	75	24	15.37	15.77	15.77		24	2	
15	QPSK	75	39	15.37	15.77	15.77				
15	16QAM	1	37	15.41	15.83	15.83		25	1	
15	16QAM	1	74	15.39	15.89	15.83				
15	16QAM	36	0	15.42	15.72	15.72				
15	16QAM	36	24	15.42	15.72	15.72		24	2	
15	16QAM	36	39	15.42	15.72	15.72				
15	16QAM	75	0	15.37	15.77	15.77				
15	16QAM	75	24	15.37	15.77	15.77		24	2	
15	16QAM	75	39	15.37	15.77	15.77				
15	16QAM	1	74	15.41	15.83	15.83				
15	16QAM	36	0	15.42	15.72	15.72				
15	16QAM	36	24	15.42	15.72	15.72		23	3	
15	16QAM	36	39	15.42	15.72	15.72				
15	16QAM	75	0	15.37	15.77	15.77				
15	16QAM	75	24	15.37	15.77	15.77		23	3	
15	16QAM	75	39	15.37	15.77	15.77				

Band 4_Ant 3(DS10)										
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Time-up	MPR		
Channel	Channel	Channel	Channel	Ch./Freq	Ch./Freq	Ch./Freq	limit	(dB)		
20	QPSK	1	0	15.49	15.55	15.49				
20	QPSK	1	49	15.60	15.67	15.66		16.5	0	
20	QPSK	50	0	15.49	15.55	15.49				
20	QPSK	50	24	15.57	15.61	15.57				
20	QPSK	100	0	15.49	15.55	15.49				
20	QPSK	100	24	15.50	15.52	15.51				
20	16QAM	1	0	15.52	15.61	15.51				
20	16QAM	1	49	15.52	15.61	15.61		16.5	0	
20	16QAM	1	99	15.52	15.63	15.58				
20	16QAM	50	0	15.37	15.51	15.49				
20	16QAM	50	24	15.40	15.44	15.44				
20	16QAM	50	50	15.54	15.56	15.54		16.5	0	
20	16QAM	100	0	15.50	15.56	15.44				
20	16QAM	100	24	15.37	15.51	15.45				
20	16QAM	100	49	15.40	15.47	15.36		16.5	0	
20	16QAM	1	99	15.45	15.57	15.55				
20	16QAM	50	24	15.47	15.54	15.53				
20	16QAM	50	24	15.37	15.47	15.44		16.5	0	
20	16QAM	50	50	15.45	15.48	15.40				
20	16QAM	100	0	15.49	15.59	15.44				
15	QPSK	1	0	17.15	17.25	17.25				
15	QPSK	1	49	17.15	17.25	17.25		16.5	0	
15	QPSK	1	74	17.15	17.25	17.25				
15	QPSK	36	0	15.43	15.45	15.45				
15	QPSK	36	24	15.43	15.45	15.45		16.5	0	
15	QPSK	36	39	15.43	15.45	15.45				
15	QPSK	75	0	15.37	15.39	15.50				
15	QPSK	75	24	15.37	15.39	15.50		16.5	0	
15	QPSK	75	39	15.37	15.39	15.50				
15	16QAM	1	37	15.48	15.44	15.56		16.5	0	
15	16QAM	1	74	15.51	15.62	15.56				
15	16QAM	36	0	15.42	15.50	15.42				
15	16QAM	36	24	15.42	15.50	15.59		16.5	0	
15	16QAM	36	39	15.42	15.50	15.59				
15	16QAM	75	0	15.37	15.39	15.44				
15	16QAM	75	24	15.37	15.39	15.44		16.5	0	
15	16QAM	75	39	15.37	15.39	15.44				
15	16QAM	1	74	15.51	15.62	15.56				
15	16QAM	36	0	15.42	15.50	15.42				
15	16QAM	36	24	15.42	15.50	15.59		16.5	0	
15	16QAM	36	39	15.42	15.50	15.59				
15	16QAM	75	0	15.37	15.39	15.44				
15	16QAM	75	24	15.37	15.39	15.44		16.5	0	
15	16QAM	75	39	15.37	15.39	15.44				

Band 7_Ant 0(DS10)										
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Time-up	MPR		
Channel	Channel	Channel	Channel	Ch./Freq	Ch./Freq	Ch./Freq	limit	(dB)		
20	QPSK	1	0	23.43	23.50	23.58				
20	QPSK	1	49	23.63	23.72	23.73		25	0	
20	QPSK	50	0	23.04	23.02	23.00				
20	QPSK	50	24	23.08	23.04	23.22		24	1	
20	QPSK	100	0	23.02	23.16	23.18				
20	QPSK	100	24	23.02	23.16	23.18		24	1	
20	16QAM	1	0	22.90	23.06	22.97				
20	16QAM	1	49	23.04	23.02	23.00		24	1	
20	16QAM	1	99	22.97	23.17	23.13				
20	16QAM	50	0	22.12	22.15	22.05				
20	16QAM	50	24	22.08	22.09	21.98		23	2	
20	16QAM	50	50	22.00	22.03	21.92				
20	16QAM	100	0	21.98	22.01	21.90				
20	16QAM	100	24	21.94	22.01	21.92		23	2	
20	16QAM	1	49	21.98	22.06	21.91		23	2	
20	16QAM	1	99	21.97	22.13	21.92				
20	16QAM	50	24	20.98	20.95	20.78				
20	16QAM	50	24	20.98	21.02	20.87		22	3	
20	16QAM	50	50	21.98	21.09	21.00				
20	16QAM	100	0	20.94	21.00	20.87				
15	QPSK	1	0	23.46	23.36	23.32				
15	QPSK	1	37	23.28	23.00	23.73		25	0	
15	QPSK	1	74	23.05	23.51	23.63				
15	QPSK	36	0	23.11	23.16	23.21				
15	QPSK	36	24	23.07	23.06	23.00		24	1	
15	QPSK	36	39	23.16	23.13	23.18				
15	QPSK	75	0	23.02	23.16	22.98				
15	QPSK	75	24	23.07	23.04	23.00		24	1	
15	QPSK	75	39	23.19	23.11	23.18				
15	16QAM	1	74	23.00	23.08	23.10		24	1	
15	16QAM	36	0	22.97	23.07	23.00				
15	16QAM	36	24	21.97	21.94	21.95		23	2	
15	16QAM	36	39	21.98	21.85	21.90				
15	16QAM	75	0	21.86	21.91	21.88				
15	16QAM	75	24	21.86	21.91	21.88		23	2</	



Band 4_Ant 1(DS1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Time-up (min)	MPR (dB)		
Channel										
20	QPSK	1	0	20.97	20.89	21.01				
20	QPSK	1	49	21.56	21.12	21.96				
20	QPSK	50	0	20.81	21.02	21.06				
20	QPSK	50	24	20.99	21.09	21.07				
20	QPSK	100	0	20.85	21.03	21.01				
20	QPSK	100	0	20.86	21.03	21.00				
20	16QAM	1	0	20.89	20.86	20.75				
20	16QAM	1	49	20.75	20.35	20.95				
20	16QAM	1	99	20.83	20.50	20.95				
20	16QAM	50	0	20.77	21.05	21.08				
20	16QAM	50	24	20.99	20.97	21.02				
20	16QAM	50	50	20.90	20.89	21.09				
20	16QAM	100	0	20.83	20.56	20.94				
20	16QAM	100	0	20.89	20.97	20.76				
20	16QAM	100	49	20.85	21.00	20.75				
20	16QAM	100	99	20.77	21.09	21.05				
20	16QAM	50	24	20.94	20.99	20.97				
20	16QAM	50	50	20.93	20.81	21.00				
20	16QAM	100	0	20.89	20.97	20.98				
Channel										
15	QPSK	1	0	20.88	20.85	20.92				
15	QPSK	1	49	21.12	21.03	21.07				
15	QPSK	1	74	20.71	20.77	20.70				
15	QPSK	36	0	21.04	20.97	21.00				
15	QPSK	36	49	20.97	20.97	20.97				
15	QPSK	36	99	20.93	21.00	21.00				
15	QPSK	75	0	20.98	20.99	20.97				
15	QPSK	75	49	20.75	20.83	20.86				
15	16QAM	1	37	20.97	20.98	20.94				
15	16QAM	1	74	20.89	20.90	20.85				
15	16QAM	1	111	21.06	21.02	21.01				
15	16QAM	36	0	20.98	20.90	21.00				
15	16QAM	36	39	21.05	20.99	21.03				
15	16QAM	75	0	20.87	20.91	20.99				
15	16QAM	75	49	20.76	20.71	20.81				
15	16QAM	1	37	20.98	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.96	20.94	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15	16QAM	1	37	20.97	20.73	20.68				
15	16QAM	1	74	21.04	21.03	21.03				
15	16QAM	36	0	20.97	20.97	20.97				
15	16QAM	36	39	20.93	20.90	20.90				
15	16QAM	75	0	20.93	20.90	20.90				
15	16QAM	75	49	20.87	20.91	20.86				
15										



Band 4 Ant 1 (DS13)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Proc	Power Ch./F/Proc	Power Ch./F/Proc	Time-up (min)	MPR (dB)		
Channel										
20	QPSK	1	0	24.85	24.90	24.91				
20	QPSK	1	49	24.89	25.03	25.01		26	0	
20	QPSK	50	0	23.64	23.98	24.00				
20	QPSK	50	24	23.90	24.05	24.02				
20	QPSK	100	0	23.87	23.93	23.87		25	1	
20	16QAM	1	0	24.02	24.06	24.13				
20	16QAM	1	49	24.04	24.14	24.20				
20	16QAM	1	99	23.97	24.02	24.01				
20	16QAM	50	0	22.81	22.96	22.99				
20	16QAM	50	24	22.90	22.95	22.95				
20	16QAM	50	50	22.99	22.94	22.94		24	2	
20	16QAM	100	0	22.84	22.89	22.94				
20	16QAM	100	49	22.99	23.03	23.09				
20	16QAM	100	99	22.93	22.94	22.97				
20	64QAM	50	24	21.88	21.98	22.00				
20	64QAM	50	50	21.83	21.96	21.91				
20	64QAM	100	0	21.84	21.97	21.94				
Channel										
15	QPSK	1	0	24.83	24.70	24.79				
15	QPSK	1	49	24.82	24.83	24.83		26	0	
15	QPSK	1	74	24.89	24.84	24.80				
15	QPSK	36	0	23.81	23.71	23.73				
15	QPSK	36	49	23.82	23.79	23.82				
15	QPSK	36	99	23.82	23.79	23.82				
15	16QAM	1	37	24.01	23.80	23.93				
15	16QAM	1	74	23.80	23.89	23.83				
15	16QAM	1	99	22.72	22.72	22.76				
15	16QAM	36	0	22.79	22.79	22.80				
15	16QAM	36	39	22.79	22.72	22.77				
15	16QAM	79	0	22.76	22.75	22.74				
15	16QAM	1	27	22.92	22.88	22.89				
15	16QAM	1	37	22.90	22.88	22.89				
15	16QAM	1	74	22.87	22.73	22.76				
15	16QAM	36	20	21.80	21.73	21.73				
15	16QAM	36	39	21.87	21.77	21.87				
15	16QAM	79	0	21.85	21.71	21.84				
Channel										
10	QPSK	1	0	24.77	24.72	24.78				
10	QPSK	1	49	24.81	24.82	24.73				
10	QPSK	25	0	23.68	23.62	23.72				
10	QPSK	25	49	23.75	23.70	23.70				
10	QPSK	25	25	23.60	23.72	23.80				
10	16QAM	1	25	23.80	23.88	23.82				
10	16QAM	1	49	23.83	23.84	23.90				
10	16QAM	1	25	23.90	23.98	23.92				
10	16QAM	1	49	23.83	23.84	23.90				
10	16QAM	25	12	22.83	22.73	22.76				
10	16QAM	25	25	22.71	22.75	22.88				
10	16QAM	25	49	22.79	22.72	22.72				
10	64QAM	1	0	22.81	22.83	22.76				
10	64QAM	1	25	22.80	22.86	22.87				
10	64QAM	1	49	22.85	22.77	22.74				
10	64QAM	25	0	21.87	21.79	21.73				
10	64QAM	25	12	21.79	21.77	21.74				
10	64QAM	25	25	21.71	21.67	21.68				
10	64QAM	50	0	21.85	21.80	21.85				
Channel										
5	QPSK	1	0	24.67	24.62	24.84				
5	QPSK	1	12	24.77	24.71	24.71				
5	QPSK	1	24	24.74	24.70	24.77				
5	QPSK	12	0	23.72	23.68	23.73				
5	QPSK	12	7	23.72	23.68	23.67				
5	QPSK	12	13	23.65	23.76	23.76				
5	16QAM	1	0	23.98	23.80	23.91				
5	16QAM	1	12	23.95	23.84	24.02				
5	16QAM	12	0	22.60	22.70	22.68				
5	16QAM	12	7	22.82	22.84	22.81				
5	16QAM	12	13	22.80	22.77	22.80				
5	16QAM	25	0	22.80	22.79	22.89				
5	16QAM	1	24	22.78	22.89	22.75				
5	16QAM	12	0	21.79	21.66	21.75				
5	16QAM	12	7	21.75	21.73	21.86				
5	16QAM	12	13	21.64	21.67	21.78				
5	16QAM	25	0	21.72	21.71	21.73				
Channel										
3	QPSK	1	0	24.76	24.79	24.75				
3	QPSK	1	8	24.86	24.87	24.82				
3	QPSK	1	14	24.80	24.82	24.76				
3	QPSK	8	0	23.80	23.84	23.77				
3	QPSK	8	4	23.71	23.73	23.83				
3	QPSK	8	7	23.80	23.80	23.88				
3	QPSK	15	0	23.86	23.87	23.70				
3	16QAM	1	0	23.87	23.86	23.97				
3	16QAM	1	8	23.93	23.97	23.88				
3	16QAM	1	14	23.94	23.78	23.87				
3	16QAM	8	0	22.69	22.72	22.77				
3	16QAM	8	4	22.76	22.79	22.79				
3	16QAM	8	7	22.80	22.83	22.70				
3	16QAM	15	0	22.71	22.72	22.77				
3	64QAM	1	0	22.79	22.79	22.90				
3	64QAM	1	8	22.86	22.86	22.90				
3	64QAM	1	14	22.84	22.89	22.87				
3	64QAM	8	0	21.89	21.83	21.75				
3	64QAM	8	4	21.71	21.73	21.86				
3	64QAM	8	7	21.76	21.82	21.83				
3	64QAM	15	0	21.76	21.81	21.79				
Channel										
1.4	QPSK	1	0	24.72	24.68	24.81				
1.4	QPSK	1	8	24.86	24.72	24.85				
1.4	QPSK	1	14	24.80	24.87	24.76				
1.4	QPSK	3	0	24.71	24.71	24.68				
1.4	QPSK	3	1	24.73	24.70	24.85				
1.4	QPSK	3	1	24.75	24.78	24.73				
1.4	QPSK	6	0	23.73	23.73	23.84				
1.4	16QAM	1	0	23.88	24.01	23.85				
1.4	16QAM	1	8	23.90	23.96	23.91				
1.4	16QAM	1	14	23.95	23.85	23.79				
1.4	16QAM	3	0	23.89	23.65	23.83				
1.4	16QAM	3	1	23.81	23.78	23.74				
1.4	16QAM	3	3	23.83	23.70	23.70				
1.4	16QAM	6	0	22.81	22.78	22.78				
1.4	16QAM	6	1	22.76	22.81	22.82				
1.4	16QAM	6	14	22.80	22.86	22.86				
1.4	64QAM	1	0	22.87	22.75	22.80				
1.4	64QAM	3	0	22.83	22.83	22.73				
1.4	64QAM	3	1	22.69	22.78	22.69				
1.4	64QAM	3	3	22.72	22.76	22.65				
1.4	64QAM	6	0	21.82	21.79	21.84				

Band 4 Ant 3 (DS13)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Proc	Power Ch./F/Proc	Power Ch./F/Proc	Time-up (min)	MPR (dB)		
Channel										
20	QPSK	1	0	24.87	24.73	24.79				
20	QPSK	1	49	24.80	24.82	24.86				
20	QPSK	50	0	23.65	23.74	23.79				
20	QPSK	50	24	23.73	23.89	23.85				
20	QPSK	100	0	23.65	23.81	23.70				
20	16QAM	1	0	23.89	23.85	23.90				
20	16QAM	1	49	23.90	23.91	24.01				
20	16QAM	1	99	23.78	24.04	23.92				
20	16QAM	50	0	22.66	22.82	22.73				
20	16QAM	50	24	22.75	22.76	22.78				
20	16QAM	50	50	22.69	22.69	22.61				
20	16QAM	100	0	22.61	22.68	22.76				
20	16QAM	100	49	22.91	22.92	22.91				
20	16QAM	100	99	22.93	22.81	22.86				
20	64QAM	1	99	22.84	22.86	22.81				



Band 4 Ant 1 (DS14)										
BW (MHz)	Modulation	RS Size	RS Offset	Power (W)	Power (W)	Power (W)	Time-up (min)	MFR (dB)		
Channel				Ch. F/Freq.	Ch. F/Freq.	Ch. F/Freq.				
Frequency (MHz)				20660	20176	20360				
20	QPSK	1	0	19.77	19.82	19.73				
20	QPSK	1	49	19.96	19.98	19.87			21	0
20	QPSK	50	0	19.81	19.93	19.81				
20	QPSK	50	4	19.83	19.93	19.81				
20	QPSK	50	24	19.93	19.96	19.89				
20	QPSK	50	24	19.77	19.83	19.87			21	0
20	QPSK	100	0	19.75	19.88	19.75				
20	16QAM	1	0	19.81	19.87	19.75				
20	16QAM	1	49	19.91	19.91	19.78			21	0
20	16QAM	1	99	19.82	19.80	19.72				
20	16QAM	50	0	19.88	19.91	19.82				
20	16QAM	50	4	19.71	19.82	19.82			21	0
20	16QAM	50	50	19.72	19.81	19.68				
20	16QAM	100	0	19.83	19.80	19.81				
20	16QAM	100	4	19.77	19.88	19.82			21	0
20	16QAM	100	49	19.66	19.81	19.78				
20	16QAM	100	99	19.77	19.88	19.82				
20	16QAM	50	24	19.79	19.87	19.83			21	0
20	16QAM	50	50	19.84	19.88	19.83				
20	16QAM	100	0	19.87	19.82	19.81				
20	16QAM	100	4	19.82	19.82	19.81			21	0
Channel				20660	20176	20360				
Frequency (MHz)				17175	17325	17475				
15	QPSK	1	0	19.79	19.70	19.74				
15	QPSK	1	37	19.81	19.81	19.81			21	0
15	QPSK	1	74	19.74	19.67	19.69				
15	QPSK	36	0	19.80	19.80	19.79				
15	QPSK	36	39	19.83	19.87	19.83			21	0
15	QPSK	36	39	19.83	19.77	19.83				
15	QPSK	75	0	19.78	19.74	19.84				
15	QPSK	75	37	19.82	19.83	19.76			21	0
15	16QAM	1	37	19.82	19.83	19.76				
15	16QAM	1	74	19.73	19.79	19.77				
15	16QAM	1	111	19.86	19.78	19.81			21	0
15	16QAM	36	0	19.87	19.87	19.86				
15	16QAM	36	39	19.76	19.76	19.73			21	0
15	16QAM	75	0	19.78	19.76	19.86				
15	16QAM	75	37	19.73	19.82	19.81			21	0
15	16QAM	100	1	19.82	19.77	19.77				
15	16QAM	100	37	19.82	19.77	19.77			21	0
15	16QAM	100	74	19.82	19.82	19.80				
15	16QAM	36	20	19.81	19.81	19.80			21	0
15	16QAM	36	20	19.76	19.86	19.82				
15	16QAM	36	39	19.83	19.83	19.79			21	0
15	16QAM	36	39	19.84	19.78	19.78				
Channel				20660	20176	20360				
Frequency (MHz)				1715	17325	1750				
10	QPSK	1	0	19.96	19.96	19.96				
10	QPSK	1	25	19.95	19.95	19.95			21	0
10	QPSK	1	49	19.69	19.76	19.76				
10	QPSK	25	0	19.89	19.84	19.81				
10	QPSK	25	12	19.86	19.83	19.86			21	0
10	QPSK	25	25	19.75	19.75	19.81				
10	QPSK	50	0	19.94	19.74	19.81				
10	16QAM	1	25	19.90	19.86	19.79			21	0
10	16QAM	1	49	19.72	19.82	19.77				
10	16QAM	1	99	19.89	19.89	19.89			21	0
10	16QAM	25	12	19.85	19.86	19.82				
10	16QAM	25	25	19.68	19.73	19.68			21	0
10	16QAM	25	25	19.78	19.77	19.78				
10	16QAM	1	0	19.69	19.68	19.81			21	0
10	16QAM	1	25	19.70	19.70	19.78				
10	16QAM	1	49	19.73	19.81	19.88			21	0
10	16QAM	25	0	19.77	19.84	19.77				
10	16QAM	25	12	19.79	19.77	19.83			21	0
10	16QAM	25	25	19.86	19.82	19.78				
10	16QAM	50	0	19.80	19.80	19.79			21	0
Channel				19975	20176	20376				
Frequency (MHz)				17115	17325	17535				
5	QPSK	1	12	19.90	19.91	19.90				
5	QPSK	1	24	19.73	19.75	19.74			21	0
5	QPSK	12	0	19.87	19.83	19.86				
5	QPSK	12	7	19.81	19.82	19.85				
5	QPSK	12	13	19.79	19.77	19.82			21	0
5	QPSK	12	13	19.86	19.81	19.81				
5	16QAM	1	0	19.85	19.73	19.74				
5	16QAM	1	12	19.85	19.83	19.81			21	0
5	16QAM	12	0	19.74	19.82	19.84				
5	16QAM	12	0	19.80	19.80	19.87				
5	16QAM	12	7	19.85	19.83	19.83			21	0
5	16QAM	12	13	19.72	19.70	19.74				
5	16QAM	25	0	19.86	19.81	19.81			21	0
5	16QAM	25	0	19.80	19.88	19.77				
5	16QAM	12	9	19.77	19.78	19.82			21	0
5	16QAM	12	13	19.80	19.80	19.86				
5	16QAM	25	0	19.82	19.78	19.81			21	0
Channel				19975	20176	20376				
Frequency (MHz)				17115	17325	17535				
3	QPSK	1	0	19.72	19.73	19.77				
3	QPSK	1	8	19.80	19.85	19.83			21	0
3	QPSK	1	14	19.73	19.85	19.86				
3	QPSK	8	0	19.85	19.82	19.80				
3	QPSK	8	4	19.88	19.80	19.88			21	0
3	QPSK	8	7	19.77	19.83	19.87				
3	QPSK	15	0	19.86	19.82	19.79				
3	16QAM	1	0	19.72	19.73	19.76			21	0
3	16QAM	1	8	19.77	19.82	19.79				
3	16QAM	1	14	19.81	19.71	19.72			21	0
3	16QAM	8	0	19.87	19.87	19.81				
3	16QAM	8	4	19.84	19.86	19.81			21	0
3	16QAM	8	7	19.74	19.71	19.75				
3	16QAM	15	0	19.81	19.88	19.85			21	0
3	16QAM	15	8	19.73	19.87	19.78				
3	16QAM	15	14	19.75	19.74	19.87			21	0
3	16QAM	8	0	19.78	19.80	19.77				
3	16QAM	8	4	19.77	19.80	19.78			21	0
3	16QAM	8	7	19.83	19.87	19.81				
3	16QAM	15	0	19.82	19.82	19.83			21	0
Channel				17107	17325	17543				
Frequency (MHz)				17115	17325	17543				
1.4	QPSK	1	0	19.71	19.71	19.77				
1.4	QPSK	1	3	19.69	19.80	19.86			21	0
1.4	QPSK	1	5	19.65	19.68	19.75				
1.4	QPSK	3	0	19.84	19.89	19.83				
1.4	QPSK	3	1	19.84	19.87	19.87			21	0
1.4	QPSK	3	1	19.81	19.75	19.74				
1.4	QPSK	6	0	19.77	19.79	19.83			21	0
1.4	16QAM	1	0	19.79	19.72	19.86				
1.4	16QAM	1	3	19.82	19.85	19.78			21	0
1.4	16QAM	1	5	19.85	19.82	19.85				
1.4	16QAM	3	0	19.81	19.77	19.85			21	0
1.4	16QAM	3	1	19.86	19.86	19.83				
1.4	16QAM	3	1	19.87	19.73	19.70			21	0
1.4	16QAM	6	0	19.76	19.70	19.76				
1.4	16QAM	6	4	19.70	19.71	19.72			21	0
1.4	16QAM	1	3	19.78	19.72	19.88				
1.4	16QAM	1	5	19.81	19.87	19.73			21	0
1.4	16QAM	3	0	19.78	19.80	19.82				
1.4	16QAM	3	1	19.84	19.80	19.83			21	0
1.4	16QAM	3	1	19.86	19.85	19.86				
1.4	16QAM	6	0	19.78	19.82	19.80			21	0

Band 4 Ant 3 (DS14)										
BW (MHz)	Modulation	RS Size	RS Offset	Power (W)	Power (W)	Power (W)	Time-up (min)	MFR (dB)		
Channel				Ch. F/Freq.	Ch. F/Freq.	Ch. F/Freq.				
Frequency (MHz)				20660	20176	20360				
20	QPSK	1	0	19.80	19.80	19.81				
20	QPSK	1	49	19.81	19.80	19.88			16.5	0
20	QPSK	50	0	19.76	19.78	19.77				
20	QPSK	50	24	19.85	19.86	19.82			16.5	0
20	QPSK	50	24	19.80	19.85	19.82				
20	16QAM	1	0	19.79	19.77	19.80				
20	16QAM	1	49	19.76	19.87	19.87			16.5	0
20	16QAM	1	99	19.81	19.88	19.72				
20	16QAM	50	0	19.73	19.88	19.88				
20	16QAM	50	24	19.80	19.86	19.87			16.5	0
20	16QAM	50	50	19.76	19.87	19.85				
20	16QAM	100	0	19.80	19.82	19.85				
20	16QAM	100	4	19.67	19.87	19.88			16.5	0
20	16QAM	100	49	19.66	19.70	19				



CA(Other PA) for SAR

Band 4_Ant 0(Default)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.08	24.28	24.38	25.5	0		
20	QPSK	1	49	24.30	24.38	24.38				
20	QPSK	1	99	24.22	24.25	24.15				
20	QPSK	50	0	23.26	23.32	23.33				
20	QPSK	50	24	23.27	23.36	23.35	24.5	1		
20	QPSK	50	50	23.14	23.33	23.28				
20	QPSK	100	0	23.05	23.25	23.21				
20	16QAM	1	0	23.31	23.37	23.21				
20	16QAM	1	49	23.30	23.42	23.26	24.5	1		
20	16QAM	1	99	23.30	23.32	23.28				
20	16QAM	50	0	22.31	22.38	22.22				
20	16QAM	50	24	22.14	22.32	22.26	23.5	2		
20	16QAM	50	50	22.27	22.34	22.32				
20	16QAM	100	0	22.19	22.37	22.33				
20	84QAM	1	0	22.18	22.34	22.28				
20	84QAM	1	49	22.24	22.28	22.16	23.5	2		
20	84QAM	1	99	22.19	22.28	22.19				
20	84QAM	50	0	21.31	21.35	21.19				
20	84QAM	50	24	21.25	21.32	21.13	22.5	3		
20	84QAM	50	50	21.26	21.29	21.24				
20	84QAM	100	0	21.14	21.27	21.21				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.10	24.23	24.08	25.5	0		
15	QPSK	1	25	24.18	24.19	24.08				
15	QPSK	1	74	24.17	24.22	24.24				
15	QPSK	36	0	23.32	23.42	23.27				
15	QPSK	36	20	23.24	23.16	23.19	24.5	1		
15	QPSK	36	39	23.21	23.15	23.28				
15	QPSK	75	0	23.19	23.18	23.17				
15	16QAM	1	0	23.30	23.35	23.18	24.5	1		
15	16QAM	1	37	23.31	23.27	23.24	25.5	1		
15	16QAM	1	74	23.16	23.30	23.14				
15	16QAM	36	0	22.19	22.18	22.18				
15	16QAM	36	20	22.22	22.22	22.17	23.5	2		
15	16QAM	36	39	22.24	22.24	22.23				
15	16QAM	75	0	22.22	22.29	22.24				
15	84QAM	1	0	22.30	22.30	22.30				
15	84QAM	1	37	22.09	22.10	22.19	23.5	2		
15	84QAM	1	74	22.15	22.07	22.22				
15	84QAM	36	0	21.30	21.32	21.33				
15	84QAM	36	20	21.26	21.12	21.22	22.5	3		
15	84QAM	36	39	21.14	21.09	21.09				
15	84QAM	75	0	21.20	21.10	21.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.19	24.15	24.26	25.5	0		
10	QPSK	1	49	24.22	24.08	24.22				
10	QPSK	25	0	23.26	23.42	23.27				
10	QPSK	25	12	23.23	23.16	23.27	24.5	1		
10	QPSK	25	25	23.28	23.13	23.16				
10	QPSK	50	0	23.13	23.10	23.21				
10	16QAM	1	0	23.20	23.23	23.29	24.5	1		
10	16QAM	1	25	23.39	23.35	23.33				
10	16QAM	1	49	23.18	23.28	23.30				
10	16QAM	25	0	22.32	22.31	22.31				
10	16QAM	25	12	22.29	22.28	22.15	23.5	2		
10	16QAM	25	25	22.20	22.33	22.28				
10	16QAM	50	0	22.26	22.17	22.30				
10	84QAM	1	0	22.29	22.22	22.24				
10	84QAM	1	25	22.21	22.15	22.28	23.5	2		
10	84QAM	1	49	22.14	22.18	22.19				
10	84QAM	25	0	21.28	21.19	21.21				
10	84QAM	25	12	21.24	21.13	21.16	22.5	3		
10	84QAM	25	25	21.15	21.09	21.09				
10	84QAM	50	0	21.13	21.16	21.05				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.27	24.19	24.11	25.5	0		
5	QPSK	1	12	24.22	24.32	24.31				
5	QPSK	1	24	24.12	24.06	24.22				
5	QPSK	12	0	23.42	23.36	23.24				
5	QPSK	12	7	23.28	23.27	23.25	24.5	1		
5	QPSK	12	13	23.15	23.18	23.20				
5	QPSK	25	0	22.19	22.17	22.31				
5	16QAM	1	0	23.31	23.32	23.18	24.5	1		
5	16QAM	1	12	23.27	23.28	23.40				
5	16QAM	1	24	23.27	23.24	23.28				
5	16QAM	12	0	22.33	22.29	22.23				
5	16QAM	12	7	22.27	22.27	22.34	23.5	2		
5	16QAM	12	13	22.33	22.18	22.28				
5	16QAM	25	0	22.19	22.17	22.31				
5	84QAM	1	0	22.29	22.28	22.22	23.5	2		
5	84QAM	1	12	22.14	22.07	22.28				
5	84QAM	1	24	22.23	22.14	22.14				
5	84QAM	12	0	21.15	21.31	21.33				
5	84QAM	12	7	21.15	21.13	21.15	22.5	3		
5	84QAM	12	13	21.15	21.20	21.19				
5	84QAM	25	0	21.11	21.08	21.08				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.25	24.10	24.10	25.5	0		
3	QPSK	1	8	24.33	24.30	24.35				
3	QPSK	1	14	24.07	24.08	24.19				
3	QPSK	8	0	23.24	23.32	23.32				
3	QPSK	8	4	23.27	23.19	23.22	24.5	1		
3	QPSK	8	7	23.15	23.16	23.27				
3	QPSK	15	0	23.07	23.17	23.08				
3	16QAM	1	0	23.26	23.33	23.24				
3	16QAM	1	8	23.32	23.32	23.24	24.5	1		
3	16QAM	1	14	23.17	23.27	23.24				
3	16QAM	8	0	22.35	22.24	22.16				
3	16QAM	8	4	22.36	22.28	22.28	23.5	2		
3	16QAM	8	7	22.20	22.30	22.21				
3	16QAM	15	0	22.36	22.19	22.18				
3	84QAM	1	0	22.33	22.25	22.24	23.5	2		
3	84QAM	1	8	22.22	22.16	22.17				
3	84QAM	1	14	22.14	22.07	22.08				
3	84QAM	8	0	21.21	21.20	21.18				
3	84QAM	8	4	21.18	21.21	21.22	22.5	3		
3	84QAM	8	7	21.21	21.16	21.12				
3	84QAM	15	0	21.26	21.11	21.16				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.25	24.10	24.24	25.5	0		
1.4	QPSK	1	3	24.24	24.25	24.26				
1.4	QPSK	1	5	24.16	24.08	24.19				
1.4	QPSK	3	0	24.37	24.38	24.42				
1.4	QPSK	3	1	24.27	24.25	24.20				
1.4	QPSK	3	3	24.28	24.20	24.14	24.5	1		
1.4	QPSK	6	0	23.05	23.15	23.05				
1.4	16QAM	1	0	23.34	23.34	23.29				
1.4	16QAM	1	3	23.25	23.32	23.39	24.5	1		
1.4	16QAM	1	5	23.12	23.14	23.29				
1.4	16QAM	3	0	23.29	23.29	23.20				
1.4	16QAM	3	1	23.18	23.23	23.29				
1.4	16QAM	3	3	23.16	23.15	23.22	23.5	2		
1.4	16QAM	6	0	22.35	22.28	22.18				
1.4	84QAM	1	0	22.28	22.16	22.15				
1.4	84QAM	1	3	22.10	22.08	22.22				
1.4	84QAM	1	5	22.19	22.20	22.22	23.5	2		
1.4	84QAM	3	0	22.24	22.29	22.30				
1.4	84QAM	3	1	22.20	22.17	22.22				
1.4	84QAM	3	3	22.23	22.12	22.19	22.5	3		
1.4	84QAM	6	0	21.23	21.24	21.13				

Band 4_Ant 5(Default)										
BW (MHz)	Modulation									



Band 7_Ant 5(Default)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2610	2635	2660				
20	QPSK	1	0	23.85	24.02	24.05			25	0
20	QPSK	1	49	24.05	24.12	24.14				
20	QPSK	1	99	23.88	23.82	24.01				
20	QPSK	50	0	22.91	22.94	23.08				
20	QPSK	50	24	23.00	22.95	23.10			24	1
20	QPSK	50	50	22.84	22.92	23.07				
20	QPSK	100	0	22.95	22.94	23.03				
20	16QAM	1	0	23.06	23.11	23.07				
20	16QAM	1	49	23.11	23.17	23.02			24	1
20	16QAM	1	99	23.04	23.10	23.00				
20	16QAM	50	0	21.85	22.03	21.94				
20	16QAM	50	24	21.93	22.05	22.01				
20	16QAM	50	50	21.98	22.07	21.90			23	2
20	16QAM	100	0	21.85	22.06	21.87				
20	64QAM	1	0	21.84	22.04	21.88				
20	64QAM	1	49	22.04	22.16	22.03			23	2
20	64QAM	1	99	21.85	22.01	21.83				
20	64QAM	50	0	20.88	21.04	20.93				
20	64QAM	50	24	20.98	21.05	20.98				
20	64QAM	50	50	20.95	20.98	20.91			22	3
20	64QAM	100	0	20.89	20.97	20.85				
Channel										
Frequency (MHz)				2625	21100	21375	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25075	2535	2562.5				
15	QPSK	1	0	23.90	23.93	23.96			25	0
15	QPSK	1	37	23.93	24.01	23.97				
15	QPSK	1	74	23.87	23.83	24.00				
15	QPSK	36	0	23.05	22.88	23.03				
15	QPSK	36	20	22.94	22.94	22.97			24	1
15	QPSK	36	39	23.02	22.98	22.88				
15	QPSK	75	0	22.96	22.85	23.02				
15	16QAM	1	0	23.07	22.96	23.04				
15	16QAM	1	37	23.08	23.11	22.97			23	1
15	16QAM	1	74	22.92	22.91	22.97				
15	16QAM	36	0	21.82	21.92	21.82				
15	16QAM	36	20	21.87	21.87	21.96			23	2
15	16QAM	36	39	22.01	22.00	22.02				
15	16QAM	75	0	21.95	21.97	22.05				
15	64QAM	1	0	21.95	21.95	21.95				
15	64QAM	1	37	22.12	21.97	21.96			23	2
15	64QAM	1	74	21.87	21.93	21.86				
15	64QAM	36	0	21.03	20.86	20.95				
15	64QAM	36	20	20.98	21.01	20.86			22	3
15	64QAM	36	39	20.98	20.90	20.91				
15	64QAM	75	0	20.91	20.80	20.89				
Channel										
Frequency (MHz)				26800	21100	21400	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25075	2535	2562.5				
10	QPSK	1	0	23.95	23.99	24.04			25	0
10	QPSK	1	49	23.83	23.88	23.99				
10	QPSK	25	0	22.98	22.98	23.01				
10	QPSK	25	12	22.98	22.96	22.90			24	1
10	QPSK	25	25	22.87	23.01	22.87				
10	QPSK	50	0	22.91	22.95	22.99				
10	QPSK	50	0	23.09	22.91	23.03			24	1
10	16QAM	1	25	22.96	23.03	22.98				
10	16QAM	1	49	22.92	22.98	23.07				
10	16QAM	25	0	21.96	21.93	22.02				
10	16QAM	25	12	22.03	21.88	21.89			23	2
10	16QAM	25	25	22.01	21.92	21.95				
10	16QAM	50	0	21.87	21.96	21.98				
10	64QAM	1	0	21.93	21.85	21.89				
10	64QAM	1	25	22.02	22.13	21.97			23	2
10	64QAM	1	49	21.96	22.00	21.98				
10	64QAM	25	0	20.98	20.99	20.87				
10	64QAM	25	12	20.92	20.87	20.85			22	3
10	64QAM	25	25	20.91	20.83	20.84				
10	64QAM	50	0	20.82	20.93	20.92				
Channel										
Frequency (MHz)				20775	21100	21425	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25025	2535	2567.5				
5	QPSK	1	0	23.91	24.04	24.01			25	0
5	QPSK	1	12	23.84	23.97	24.08				
5	QPSK	1	24	23.86	23.82	24.02				
5	QPSK	12	0	23.07	22.90	23.04				
5	QPSK	12	7	22.95	22.98	22.93			24	1
5	QPSK	12	13	23.04	22.92	22.98				
5	QPSK	25	0	22.90	22.92	22.98				
5	16QAM	1	0	23.10	22.91	23.01				
5	16QAM	1	12	23.03	23.06	23.01			24	1
5	16QAM	1	24	23.02	22.99	22.93				
5	16QAM	12	0	21.93	21.97	21.88				
5	16QAM	12	7	21.87	21.98	21.87			23	2
5	16QAM	12	13	22.02	21.99	21.99				
5	16QAM	25	0	21.94	22.04	21.97				
5	64QAM	1	0	21.91	22.02	22.03			23	2
5	64QAM	1	12	21.98	22.00	22.02				
5	64QAM	1	24	21.86	21.98	21.82				
5	64QAM	12	0	20.87	21.00	20.87				
5	64QAM	12	7	20.95	21.04	21.04			22	3
5	64QAM	12	13	20.87	20.80	20.85				
5	64QAM	25	0	20.88	20.90	20.95				

Band 66_Ant 0(Default)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.24	23.28	23.20			24	0
20	QPSK	1	37	23.22	23.21	23.24				
20	QPSK	1	99	23.22	23.22	23.17				
20	QPSK	50	0	22.80	22.81	22.81				
20	QPSK	50	24	22.81	22.92	22.83			24	0
20	QPSK	50	50	22.70	22.84	22.72				
20	QPSK	100	0	22.73	22.84	22.82				
20	16QAM	1	0	22.65	22.83	22.68				
20	16QAM	1	49	22.80	22.90	22.79			23	1
20	16QAM	1	99	22.82	22.98	22.69				
20	16QAM	50	0	21.28	21.73	21.60				
20	16QAM	50	24	21.77	21.83	21.70			22	2
20	16QAM	50	50	21.66	21.77	21.70				
20	16QAM	100	0	21.73	21.76	21.68				
20	64QAM	1	0	21.68	21.80	21.68				
20	64QAM	1	49	21.78	21.87	21.68			22	2
20	64QAM	1	99	21.65	21.69	21.67				
20	64QAM	50	0	20.51	20.67	20.61				
20	64QAM	50	24	20.70	20.76	20.69				
20	64QAM	50	50	20.71	20.77	20.70			21	3
20	64QAM	100	0	20.52	20.69	20.59				
Channel										
Frequency (MHz)				13047	13232	13597	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	23.21	23.14	23.10			24	0
15	QPSK	1	37	23.13	23.22	23.31				
15	QPSK	1	74	23.16	23.07	23.10				
15	QPSK	36	0	22.71	22.78	22.85				
15	QPSK	36	20	22.77	22.79	22.80			24	0
15	QPSK	36	39	22.67	22.81	22.75				
15	QPSK	75	0	22.75	22.70	22.75				
15	16QAM	1	0	22.65	22.74	22.71				
15	16QAM	1	37	22.71	22.82	22.87			23	1
15	16QAM	1	74	22.65	22.60	22.67				
15	16QAM	36	0	21.62	21.62	21.62				
15	16QAM	36	20	21.80	21.76	21.87			22	2
15	16QAM	36	39	21.62	21.76	21.73				
15	16QAM	75	0	21.60	21.56	21.64				</



Band 4 Ant 0(DS10)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 2050	Power Middle Ch. Freq. 2075	Power High Ch. Freq. 2050	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.08	24.28	24.10		25.5	0	
20	QPSK	1	49	24.18	24.38	24.29				
20	QPSK	1	99	24.22	24.25	24.15				
20	QPSK	50	0	23.26	23.32	23.33				
20	QPSK	50	24	23.27	23.36	23.35		24.5	1	
20	QPSK	100	0	23.14	23.33	23.26				
20	QPSK	100	0	23.05	23.25	23.21				
20	16QAM	1	0	23.01	23.07	23.21				
20	16QAM	1	49	23.30	23.42	23.26		24.5	1	
20	16QAM	1	99	23.30	23.32	23.20				
20	16QAM	50	0	22.31	22.32	22.22				
20	16QAM	50	24	22.14	22.32	22.26		23.5	2	
20	16QAM	50	50	22.27	22.34	22.32				
20	16QAM	100	0	22.19	22.37	22.33				
20	84QAM	1	0	22.16	22.34	22.26				
20	84QAM	1	49	22.24	22.28	22.16		23.5	2	
20	84QAM	1	99	22.19	22.26	22.19				
20	84QAM	50	0	21.31	21.36	21.19				
20	84QAM	50	24	21.27	21.32	21.13		22.5	3	
20	84QAM	50	50	21.29	21.34	21.24				
20	84QAM	100	0	21.14	21.27	21.21				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.10	24.23	24.08		25.5	0	
15	QPSK	1	24	24.18	24.28	24.22				
15	QPSK	1	74	24.17	24.22	24.24				
15	QPSK	36	0	23.32	23.42	23.27				
15	QPSK	36	20	23.24	23.16	23.19		24.5	1	
15	QPSK	36	39	23.21	23.15	23.31				
15	QPSK	75	0	23.19	23.10	23.23				
15	16QAM	1	0	23.30	23.35	23.18				
15	16QAM	1	37	23.41	23.27	23.24		24.5	1	
15	16QAM	1	74	23.16	23.30	23.14				
15	16QAM	36	0	22.29	22.28	22.26				
15	16QAM	36	20	22.22	22.22	22.17		23.5	2	
15	16QAM	36	39	22.24	22.24	22.23				
15	16QAM	75	0	22.22	22.29	22.24				
15	84QAM	1	0	22.20	22.32	22.30		23.5	2	
15	84QAM	1	37	22.09	22.10	22.16				
15	84QAM	1	74	22.15	22.07	22.22				
15	84QAM	36	0	21.30	21.32	21.33				
15	84QAM	36	20	21.26	21.12	21.22		22.5	3	
15	84QAM	36	39	21.14	21.29	21.29				
15	84QAM	75	0	21.20	21.10	21.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.19	24.15	24.26		25.5	0	
10	QPSK	1	25	24.34	24.23	24.31				
10	QPSK	1	49	24.08	24.08	24.27				
10	QPSK	25	0	23.26	23.42	23.37				
10	QPSK	25	12	23.23	23.16	23.27		24.5	1	
10	QPSK	25	25	23.28	23.13	23.16				
10	QPSK	50	0	23.13	23.10	23.23				
10	16QAM	1	0	23.20	23.23	23.20				
10	16QAM	1	25	23.39	23.35	23.33		24.5	1	
10	16QAM	1	49	23.18	23.28	23.30				
10	16QAM	25	0	22.32	22.31	22.31				
10	16QAM	25	12	22.29	22.28	22.25		23.5	2	
10	16QAM	25	25	22.20	22.33	22.28				
10	16QAM	50	0	22.26	22.17	22.30				
10	16QAM	50	0	22.29	22.22	22.24		23.5	2	
10	84QAM	1	0	22.21	22.28	22.25				
10	84QAM	1	49	22.14	22.19	22.19				
10	84QAM	25	0	21.28	21.19	21.21				
10	84QAM	25	12	21.24	21.13	21.16		22.5	3	
10	84QAM	25	25	21.26	21.12	21.27				
10	84QAM	50	0	21.13	21.16	21.09				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.27	24.19	24.11		25.5	0	
5	QPSK	1	12	24.22	24.32	24.31				
5	QPSK	1	24	24.12	24.08	24.18				
5	QPSK	12	0	23.42	23.36	23.24				
5	QPSK	12	7	23.28	23.27	23.25		24.5	1	
5	QPSK	12	13	23.15	23.18	23.20				
5	QPSK	25	0	23.11	23.12	23.23				
5	16QAM	1	0	23.31	23.12	23.19				
5	16QAM	1	12	23.27	23.28	23.40		24.5	1	
5	16QAM	1	24	23.27	23.24	23.28				
5	16QAM	12	0	22.33	22.29	22.23				
5	16QAM	12	7	22.27	22.27	22.27		23.5	2	
5	16QAM	12	13	22.33	22.18	22.28				
5	16QAM	25	0	22.19	22.17	22.31				
5	84QAM	1	0	22.29	22.28	22.22		23.5	2	
5	84QAM	1	12	22.14	22.27	22.11				
5	84QAM	1	24	22.23	22.14	22.14				
5	84QAM	12	0	21.15	21.31	21.33				
5	84QAM	12	7	21.15	21.13	21.15		22.5	3	
5	84QAM	12	13	21.15	21.20	21.19				
5	84QAM	25	0	21.11	21.18	21.21				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.25	24.10	24.10		25.5	0	
3	QPSK	1	8	24.23	24.30	24.35				
3	QPSK	1	14	24.07	24.06	24.16				
3	QPSK	8	0	23.24	23.32	23.32				
3	QPSK	8	4	23.27	23.19	23.22		24.5	1	
3	QPSK	8	7	23.15	23.16	23.27				
3	QPSK	15	0	23.07	23.17	23.05				
3	16QAM	1	0	23.26	23.33	23.24				
3	16QAM	1	8	23.32	23.32	23.24		24.5	1	
3	16QAM	1	14	23.17	23.27	23.24				
3	16QAM	8	0	22.35	22.24	22.16				
3	16QAM	8	4	22.26	22.26	22.28		23.5	2	
3	16QAM	8	7	22.20	22.30	22.21				
3	16QAM	15	0	22.36	22.19	22.18				
3	84QAM	1	0	22.33	22.25	22.24				
3	84QAM	1	8	22.22	22.16	22.17		23.5	2	
3	84QAM	1	14	22.14	22.07	22.08				
3	84QAM	8	0	21.21	21.20	21.18				
3	84QAM	8	4	21.16	21.21	21.22		22.5	3	
3	84QAM	8	7	21.21	21.16	21.12				
3	84QAM	15	0	21.26	21.11	21.16				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.25	24.10	24.24		25.5	0	
1.4	QPSK	1	3	24.24	24.25	24.26				
1.4	QPSK	1	5	24.16	24.09	24.19				
1.4	QPSK	3	0	24.37	24.38	24.42				
1.4	QPSK	3	1	24.27	24.25	24.20				
1.4	QPSK	3	2	24.26	24.20	24.14				
1.4	QPSK	6	0	23.05	23.15	23.05		24.5	1	
1.4	16QAM	1	0	23.34	23.24	23.28				
1.4	16QAM	1	3	23.25	23.32	23.39				
1.4	16QAM	1	5	23.12	23.14	23.29		24.5	1	
1.4	16QAM	3	0	23.29	23.29	23.20				
1.4	16QAM	3	1	23.18	23.23	23.25				
1.4	16QAM	3	2	23.16	23.15	23.22				
1.4	16QAM	6	0	22.35	22.28	22.18		23.5	2	
1.4	84QAM	1	0	22.28	22.16	22.19				
1.4	84QAM	1	3	22.10	22.08	22.22		23.5	2	
1.4	84QAM	1	5	22.19	22.20	22.29				
1.4	84QAM	3	0	22.24	22.29	22.30				
1.4	84QAM	3	1	22.20	22.17	22.22				
1.4	84QAM	3	2	22.23	22.12	22.19		22.5	3	
1.4	84QAM	6	0	21.23	21.24	21.13				



Band 7_Ant 5(DSI0)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	1754	1744	1758		18.5	0	
20	QPSK	1	49	1768	1757	1762				
20	QPSK	1	99	1767	1756	1766				
20	QPSK	50	0	1761	1754	1756				
20	QPSK	50	24	1752	1751	1763		18.5	0	
20	QPSK	50	50	1763	1756	1763				
20	QPSK	100	0	1760	1754	1762				
20	16QAM	1	0	1765	1766	1761				
20	16QAM	1	49	1754	1753	1762		18.5	0	
20	16QAM	1	99	1758	1756	1748				
20	16QAM	50	0	1758	1757	1752				
20	16QAM	50	24	1763	1754	1753		18.5	0	
20	16QAM	50	50	1756	1753	1745				
20	16QAM	100	0	1758	1753	1749				
20	16QAM	1	0	1757	1757	1759				
20	16QAM	1	49	1764	1763	1754		18.5	0	
20	16QAM	1	99	1748	1745	1742				
20	16QAM	50	0	1760	1758	1751				
20	16QAM	50	24	1757	1757	1752		18.5	0	
20	16QAM	50	50	1756	1754	1746				
20	16QAM	100	0	1756	1756	1748				
Channel										
Frequency (MHz)										
15	QPSK	1	0	1731	1731	1733		18.5	0	
15	QPSK	1	37	1759	1751	1762				
15	QPSK	1	74	1745	1755	1745				
15	QPSK	36	0	1736	1743	1743				
15	QPSK	36	20	1741	1747	1751		18.5	0	
15	QPSK	36	39	1743	1748	1752				
15	QPSK	75	0	1742	1741	1743				
15	16QAM	1	0	1758	1754	1763				
15	16QAM	1	37	1739	1749	1743		18.5	0	
15	16QAM	1	74	1750	1741	1742				
15	16QAM	36	0	1751	1754	1750				
15	16QAM	36	20	1746	1751	1752		18.5	0	
15	16QAM	36	39	1739	1750	1740				
15	16QAM	75	0	1744	1740	1743				
15	16QAM	1	0	1745	1735	1744		18.5	0	
15	16QAM	36	39	1756	1754	1753				
15	16QAM	1	74	1743	1744	1740				
15	16QAM	36	0	1757	1755	1757				
15	16QAM	36	20	1748	1751	1749		18.5	0	
15	16QAM	36	39	1740	1748	1746				
15	16QAM	75	0	1750	1754	1746				
Channel										
Frequency (MHz)										
10	QPSK	1	0	1738	1736	1742		18.5	0	
10	QPSK	1	25	1754	1751	1756				
10	QPSK	1	49	1742	1742	1755				
10	QPSK	25	0	1737	1742	1738				
10	QPSK	25	12	1748	1739	1739		18.5	0	
10	QPSK	25	25	1753	1743	1745				
10	16QAM	1	0	1753	1762	1761				
10	16QAM	1	25	1744	1741	1751		18.5	0	
10	16QAM	1	49	1755	1748	1752				
10	16QAM	25	0	1744	1744	1744				
10	16QAM	25	12	1748	1748	1746		18.5	0	
10	16QAM	25	25	1740	1740	1738				
10	16QAM	50	0	1750	1746	1752				
10	16QAM	1	0	1751	1750	1752		18.5	0	
10	16QAM	1	25	1762	1748	1756				
10	16QAM	1	49	1731	1737	1731				
10	16QAM	25	0	1750	1757	1753				
10	16QAM	25	12	1752	1754	1751		18.5	0	
10	16QAM	25	25	1750	1748	1748				
10	16QAM	50	0	1751	1752	1751				
Channel										
Frequency (MHz)										
5	QPSK	1	0	1730	1733	1734		18.5	0	
5	QPSK	1	12	1754	1762	1759				
5	QPSK	1	24	1747	1741	1747				
5	QPSK	12	0	1746	1749	1738				
5	QPSK	12	7	1744	1747	1752		18.5	0	
5	QPSK	12	13	1749	1750	1748				
5	QPSK	25	0	1750	1746	1749				
5	16QAM	1	0	1760	1752	1768				
5	16QAM	1	12	1746	1744	1750		18.5	0	
5	16QAM	1	24	1746	1749	1742				
5	16QAM	12	0	1754	1742	1744				
5	16QAM	12	7	1747	1739	1743		18.5	0	
5	16QAM	12	13	1745	1745	1740				
5	16QAM	25	0	1741	1752	1749				
5	16QAM	1	0	1747	1749	1742		18.5	0	
5	16QAM	1	12	1751	1753	1756				
5	16QAM	1	24	1739	1743	1730				
5	16QAM	12	0	1757	1748	1757				
5	16QAM	12	7	1756	1755	1747		18.5	0	
5	16QAM	12	13	1745	1748	1747				
5	16QAM	25	0	1753	1746	1747				

Band 66_Ant 0(DSI0)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.24	23.28	23.20		24	0	
20	QPSK	1	49	23.33	23.44	23.33				
20	QPSK	1	99	23.22	23.22	23.17				
20	QPSK	50	0	22.80	22.81	22.81				
20	QPSK	50	24	22.81	22.92	22.83		24	0	
20	QPSK	50	50	22.70	22.84	22.72				
20	16QAM	1	0	22.73	22.94	22.82				
20	16QAM	1	49	22.65	22.83	22.69				
20	16QAM	1	99	22.80	22.90	22.79		23	1	
20	16QAM	50	0	22.52	22.68	22.51				
20	16QAM	50	24	21.77	21.83	21.70		22	2	
20	16QAM	50	50	21.66	21.77	21.70				
20	16QAM	100	0	21.73	21.76	21.68				
20	16QAM	1	0	21.68	21.80	21.68				
20	16QAM	1	49	21.78	21.87	21.66		22	2	
20	16QAM	1	99	21.65	21.69	21.67				
20	16QAM	50	0	20.51	20.67	20.61				
20	16QAM	50	24	20.70	20.76	20.59		21	3	
20	16QAM	50	50	20.58	20.77	20.65				
20	16QAM	100	0	20.52	20.69	20.50				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.21	23.14	23.10		24	0	
15	QPSK	1	37	23.39	23.44	23.33				
15	QPSK	1	74	23.16	23.07	23.20				
15	QPSK	36	0	22.71	22.78	22.85				
15	QPSK	36	20	22.77	22.79	22.80		24	0	
15	QPSK	36	39	22.67	22.81	22.75				
15	QPSK	75	0	22.75	22.83	22.68				
15	16QAM	1	0	22.65	22.74	22.71				
15	16QAM	1	37	22.71	22.82	22.87		23	1	
15	16QAM	1	74	22.65	22.60	22.67				
15	16QAM	36	0	21.69	21.66	21.63				
15	16QAM	36	20	21.80	21.76	21.67		22	2	
15	16QAM	36	39	21.62	21.76	21.73				
15	16QAM	75	0	21.60	21.56	21.64				
15	16QAM	1	0	21.59	21.67	21.63		22	2	
15	16QAM	1	37	21.51	21.57	21.70				
15	16QAM	1	74	21.62	21.61	21.53				
15	16QAM	36	0	20.57	20.55	20.57				
15	16QAM	36	20	20.57	20.58	20.59		21	3	
15	16QAM	36	39	20.68	20.66	20.65				
15	16QAM	75	0	20.48	20.68	20.53				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.21	23.22	23.20		24	0	
10	QPSK	1	25	23.32	23.22	23.27				
10	QPSK	1	49	23.12	23.04					



Band 4 Ant 0(DS1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 2050	Power Middle Ch. Freq. 2075	Power High Ch. Freq. 2050	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.08	24.28	24.10		25.5	0	
20	QPSK	1	49	24.18	24.38	24.28				
20	QPSK	1	99	24.22	24.25	24.15				
20	QPSK	50	0	23.26	23.32	23.33				
20	QPSK	50	24	23.27	23.36	23.35		24.5	1	
20	QPSK	100	0	23.14	23.33	23.26				
20	QPSK	100	0	23.05	23.25	23.21				
20	16QAM	1	0	23.31	23.37	23.21				
20	16QAM	1	49	23.30	23.42	23.26		24.5	1	
20	16QAM	1	99	23.30	23.32	23.20				
20	16QAM	50	0	22.31	22.32	22.22				
20	16QAM	50	24	22.14	22.32	22.26		23.5	2	
20	16QAM	50	60	22.27	22.34	22.32				
20	16QAM	100	0	22.19	22.37	22.33				
20	84QAM	1	0	22.16	22.34	22.26				
20	84QAM	1	49	22.24	22.28	22.16		23.5	2	
20	84QAM	1	99	22.19	22.26	22.19				
20	84QAM	50	0	21.31	21.36	21.19				
20	84QAM	50	24	21.27	21.32	21.13		22.5	3	
20	84QAM	50	24	21.16	21.35	21.26				
20	84QAM	100	0	21.14	21.27	21.21				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.10	24.23	24.08		25.5	0	
15	QPSK	1	24	24.18	24.28	24.24				
15	QPSK	1	74	24.17	24.22	24.24				
15	QPSK	36	0	23.32	23.42	23.27				
15	QPSK	36	20	23.24	23.16	23.19		24.5	1	
15	QPSK	36	39	23.21	23.15	23.31				
15	QPSK	75	0	23.19	23.10	23.23				
15	16QAM	1	0	23.30	23.35	23.18				
15	16QAM	1	37	23.41	23.27	23.24		24.5	1	
15	16QAM	1	74	23.16	23.30	23.14				
15	16QAM	36	0	22.29	22.28	22.28				
15	16QAM	36	20	22.22	22.22	22.17		23.5	2	
15	16QAM	36	39	22.24	22.24	22.23				
15	16QAM	75	0	22.22	22.29	22.24				
15	84QAM	1	0	22.20	22.32	22.30				
15	84QAM	1	37	22.09	22.10	21.26		23.5	2	
15	84QAM	1	74	22.15	22.07	22.22				
15	84QAM	36	0	21.30	21.32	21.33				
15	84QAM	36	20	21.26	21.12	21.22		22.5	3	
15	84QAM	36	39	21.14	21.28	21.25				
15	84QAM	75	0	21.20	21.10	21.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.19	24.15	24.26		25.5	0	
10	QPSK	1	25	24.34	24.23	24.31				
10	QPSK	1	49	24.18	24.08	24.27				
10	QPSK	25	0	23.26	23.42	23.37				
10	QPSK	25	12	23.23	23.16	23.27		24.5	1	
10	QPSK	25	25	23.28	23.13	23.16				
10	QPSK	50	0	23.19	23.10	23.23				
10	16QAM	1	0	23.20	23.23	23.20				
10	16QAM	1	25	23.38	23.35	23.33		24.5	1	
10	16QAM	1	49	23.18	23.28	23.30				
10	16QAM	25	0	22.32	22.31	22.31				
10	16QAM	25	12	22.29	22.28	22.25		23.5	2	
10	16QAM	25	25	22.20	22.33	22.28				
10	16QAM	50	0	22.26	22.17	22.30				
10	16QAM	1	0	22.29	22.22	22.24				
10	84QAM	1	25	22.21	22.18	21.26		23.5	2	
10	84QAM	1	49	22.14	22.19	22.19				
10	84QAM	25	0	21.28	21.19	21.21				
10	84QAM	25	12	21.24	21.13	21.16		22.5	3	
10	84QAM	25	25	21.26	21.12	21.27				
10	84QAM	50	0	21.13	21.16	21.09				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.27	24.19	24.11		25.5	0	
5	QPSK	1	12	24.22	24.32	24.31				
5	QPSK	1	24	24.12	24.08	24.24				
5	QPSK	12	0	23.42	23.36	23.24				
5	QPSK	12	7	23.28	23.27	23.25		24.5	1	
5	QPSK	12	13	23.15	23.18	23.20				
5	QPSK	25	0	23.11	23.12	23.23				
5	16QAM	1	0	23.11	23.13	23.19				
5	16QAM	1	12	23.27	23.28	23.40		24.5	1	
5	16QAM	1	24	23.27	23.24	23.28				
5	16QAM	12	0	22.33	22.29	22.23				
5	16QAM	12	7	22.27	22.27	22.28		23.5	2	
5	16QAM	12	13	22.33	22.18	22.28				
5	16QAM	25	0	22.18	22.17	22.31				
5	84QAM	1	0	22.29	22.28	22.22		23.5	2	
5	84QAM	1	12	22.14	22.27	22.11				
5	84QAM	1	24	22.03	22.14	22.14				
5	84QAM	12	0	21.15	21.31	21.33				
5	84QAM	12	7	21.15	21.13	21.15		22.5	3	
5	84QAM	12	13	21.15	21.20	21.19				
5	84QAM	25	0	21.11	21.28	21.21				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.25	24.10	24.10		25.5	0	
3	QPSK	1	8	24.23	24.30	24.35				
3	QPSK	1	14	24.07	24.06	24.24				
3	QPSK	8	0	23.24	23.32	23.32				
3	QPSK	8	4	23.27	23.19	23.22		24.5	1	
3	QPSK	8	7	23.15	23.16	23.27				
3	QPSK	15	0	23.07	23.17	23.05				
3	16QAM	1	0	23.26	23.33	23.24				
3	16QAM	1	8	23.32	23.32	23.24		24.5	1	
3	16QAM	1	14	23.17	23.27	23.24				
3	16QAM	8	0	22.35	22.24	22.16				
3	16QAM	8	4	22.26	22.28	22.28		23.5	2	
3	16QAM	8	7	22.20	22.30	22.21				
3	16QAM	15	0	22.36	22.19	22.18				
3	84QAM	1	0	22.33	22.25	22.24				
3	84QAM	1	8	22.22	22.16	22.17		23.5	2	
3	84QAM	1	14	22.14	22.07	22.08				
3	84QAM	8	0	21.21	21.20	21.18				
3	84QAM	8	4	21.16	21.21	21.22		22.5	3	
3	84QAM	8	7	21.21	21.16	21.12				
3	84QAM	15	0	21.26	21.11	21.16				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.25	24.10	24.24		25.5	0	
1.4	QPSK	1	3	24.24	24.25	24.26				
1.4	QPSK	1	5	24.16	24.09	24.19				
1.4	QPSK	3	0	24.37	24.38	24.22				
1.4	QPSK	3	1	24.27	24.25	24.20				
1.4	QPSK	3	3	24.26	24.20	24.14				
1.4	QPSK	6	0	23.05	23.15	23.05		24.5	1	
1.4	16QAM	1	0	23.34	23.34	23.28				
1.4	16QAM	1	3	23.25	23.32	23.39				
1.4	16QAM	1	5	23.12	23.14	23.29		24.5	1	
1.4	16QAM	3	0	23.29	23.29	23.20				
1.4	16QAM	3	1	23.18	23.23	23.25				
1.4	16QAM	3	3	23.16	23.15	23.22				
1.4	16QAM	6	0	22.35	22.28	22.18		23.5	2	
1.4	84QAM	1	0	22.28	22.16	22.15				
1.4	84QAM	1	3	22.10	22.08	22.22				
1.4	84QAM	1	5	22.19	22.20	22.24		23.5	2	
1.4	84QAM	3	0	22.24	22.29	22.30				
1.4	84QAM	3	1	22.20	22.17	22.22				
1.4	84QAM	3	3	22.23	22.12	22.19				
1.4	84QAM	6	0	21.23	21.24	21.13		22.5	3	



Band 7_Ant 5(DS1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPP (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.18	22.15	22.07			23	0
20	QPSK	1	49	22.07	22.11	22.18				
20	QPSK	1	99	22.03	22.01	22.05				
20	QPSK	50	0	22.13	22.11	22.09				
20	QPSK	50	24	22.17	22.14	22.19			23	0
20	QPSK	50	50	22.14	22.11	22.05				
20	QPSK	100	0	22.18	22.10	22.19				
20	16QAM	1	0	22.22	22.22	22.09				
20	16QAM	1	49	22.22	22.14	22.05			23	0
20	16QAM	1	99	22.14	22.11	22.03				
20	16QAM	50	0	22.14	22.16	22.12				
20	16QAM	50	50	22.17	22.13	22.01				
20	16QAM	100	0	22.19	22.11	22.01				
20	64QAM	1	0	22.16	22.18	22.04			23	0
20	64QAM	1	49	22.11	22.12	22.05				
20	64QAM	1	99	22.10	22.07	21.97				
20	64QAM	50	0	21.64	21.85	21.57				
20	64QAM	50	24	21.63	21.82	21.58				
20	64QAM	50	50	21.68	21.58	21.49				
20	64QAM	100	0	21.66	21.83	21.52			22	1
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.96	21.96	22.08			23	0
15	QPSK	1	37	22.04	22.07	22.18				
15	QPSK	1	74	22.08	22.18	22.02				
15	QPSK	36	0	22.01	21.98	22.03				
15	QPSK	36	20	22.03	22.11	22.08			23	0
15	QPSK	36	39	22.05	22.13	22.09				
15	QPSK	15	0	22.13	22.10	22.09				
15	16QAM	1	0	21.99	22.09	22.07			23	0
15	16QAM	1	74	22.13	22.05	22.04				
15	16QAM	36	0	22.18	22.09	22.07			23	0
15	16QAM	36	20	22.01	22.15	22.10				
15	16QAM	36	39	22.03	22.08	21.98				
15	16QAM	75	0	21.99	21.96	22.07				
15	64QAM	1	0	22.07	22.09	22.00			23	0
15	64QAM	36	39	21.68	21.81	21.88				
15	64QAM	15	0	21.64	21.85	21.85			22	1
15	64QAM	15	0	21.70	21.84	21.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.12	22.09	22.07			23	0
10	QPSK	1	25	22.00	22.11	22.07				
10	QPSK	1	49	22.07	22.06	22.00				
10	QPSK	25	0	21.99	22.06	21.99				
10	QPSK	25	12	22.06	22.02	22.04			23	0
10	QPSK	25	25	22.16	22.01	22.02				
10	QPSK	50	0	22.07	22.06	22.00				
10	16QAM	1	0	22.13	22.18	22.15				
10	16QAM	1	25	22.04	22.02	22.09			23	0
10	16QAM	1	49	22.10	22.04	22.17				
10	16QAM	25	0	22.07	22.06	22.05			23	0
10	16QAM	25	12	22.03	22.10	22.10				
10	16QAM	25	25	22.05	22.07	21.99				
10	16QAM	50	0	22.12	22.01	22.07				
10	64QAM	1	0	22.10	22.14	22.14			23	0
10	64QAM	1	25	22.08	22.13	22.07				
10	64QAM	1	49	21.94	21.98	21.90				
10	64QAM	25	0	21.66	21.89	21.88				
10	64QAM	25	12	21.68	21.87	21.88				
10	64QAM	25	25	21.61	21.82	21.89			22	1
10	64QAM	50	0	21.70	21.84	21.08				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.00	21.98	22.03			23	0
5	QPSK	1	12	22.07	22.08	22.04				
5	QPSK	1	24	22.06	22.00	22.11				
5	QPSK	12	0	22.10	22.04	21.97				
5	QPSK	12	7	22.01	22.12	22.08			23	0
5	QPSK	12	13	22.14	22.07	22.09				
5	QPSK	25	0	22.13	22.10	22.09				
5	16QAM	1	0	22.12	22.16	22.19				
5	16QAM	1	12	22.03	22.00	22.14			23	0
5	16QAM	1	24	22.04	22.11	22.02				
5	16QAM	12	0	22.12	21.97	22.04				
5	16QAM	12	7	22.08	21.94	22.07			23	0
5	16QAM	12	13	22.09	22.08	21.96				
5	16QAM	25	0	22.00	22.10	22.08				
5	64QAM	1	0	22.02	22.10	21.97			23	0
5	64QAM	1	12	22.07	22.13	22.15				
5	64QAM	1	24	21.96	22.07	21.90				
5	64QAM	12	0	21.77	21.81	21.72				
5	64QAM	12	7	21.75	21.75	21.61			22	1
5	64QAM	12	13	21.62	21.82	21.58				
5	64QAM	25	0	21.72	21.85	21.64				

Band 66_Ant 0(DS1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPP (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.24	23.28	23.20			24	0
20	QPSK	1	49	23.23	23.24	23.33				
20	QPSK	1	99	23.22	23.22	23.27				
20	QPSK	50	0	22.80	22.81	22.81				
20	QPSK	50	24	22.81	22.82	22.83			24	0
20	QPSK	50	50	22.70	22.84	22.72				
20	QPSK	100	0	22.73	23.24	22.82				
20	16QAM	1	0	22.65	22.83	22.89				
20	16QAM	1	49	22.80	22.90	22.79			23	1
20	16QAM	1	99	22.52	22.88	22.51				
20	16QAM	50	0	21.58	21.73	21.60				
20	16QAM	50	24	21.77	21.83	21.70			22	2
20	16QAM	50	50	21.66	21.77	21.70				
20	16QAM	100	0	21.73	21.76	21.68				
20	64QAM	1	0	21.68	21.80	21.68			22	2
20	64QAM	1	49	21.78	21.87	21.66				
20	64QAM	1	99	21.65	21.89	21.87				
20	64QAM	50	0	20.51	20.87	20.61				
20	64QAM	50	24	20.50	20.76	20.59			21	3
20	64QAM	50	50	20.58	20.76	20.59				
20	64QAM	100	0	20.52	20.69	20.50				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.21	23.14	23.10			24	0
15	QPSK	1	37	23.29	23.24	23.33				
15	QPSK	1	74	23.16	23.07	23.20				
15	QPSK	36	0	22.71	22.78	22.80				
15	QPSK	36	20	22.77	22.79	22.85			24	0
15	QPSK	36	39	22.87	22.81	22.75				
15	QPSK	75	0	22.75	22.83	22.86				
15	16QAM	1	0	22.65	22.74	22.71				
15	16QAM	1	37	22.71	22.82	22.87			23	1
15	16QAM	1	74	22.85	22.80	22.87				
15	16QAM	36	0	21.69	21.86	21.84				
15	16QAM	36	20	21.80	21.78	21.87			22	2
15	16QAM	36	39	21.62	21.76	21.73				
15	16QAM	75	0	21.60	21.58	21.64				
15	64QAM	1	0	21.59	21.67	21.63			22	2
15	64QAM	1	37	21.57	21.67	21.62				
15	64QAM	1	74	21.62	21.61	21.53				
15	64QAM	36	0	20.57	20.55	20.57				
15	64QAM	36	20	20.57	20.58	20.59			21	3
15	64QAM	36	39	20.58	20.74	20.59				
15	64QAM	15	0	20.48	20.68	20.53				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.21	23.22	23.20			24	0
10	QPSK	1	25	23.32	23.22	23.27				
10	QPSK	1	49	23.16	23.04	23.10				
10	QPSK	25	0							



Band 4 Ant 0(DS13)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 2050	Power Middle Ch. Freq. 2075	Power High Ch. Freq. 2100	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.08	24.28	24.10		25.5	0	
20	QPSK	1	49	24.18	24.38	24.28				
20	QPSK	1	99	24.22	24.25	24.15				
20	QPSK	50	0	23.26	23.32	23.33				
20	QPSK	50	24	23.27	23.36	23.35		24.5	1	
20	QPSK	100	0	23.14	23.33	23.26				
20	QPSK	100	0	23.05	23.25	23.21				
20	16QAM	1	0	23.31	23.37	23.21				
20	16QAM	1	49	23.30	23.42	23.26		24.5	1	
20	16QAM	1	99	23.30	23.32	23.20				
20	16QAM	50	0	22.31	22.32	22.22				
20	16QAM	50	24	22.14	22.32	22.26		23.5	2	
20	16QAM	50	60	22.27	22.34	22.32				
20	16QAM	100	0	22.19	22.37	22.33				
20	16QAM	1	0	22.16	22.34	22.26				
20	84QAM	1	49	22.24	22.28	22.16		23.5	2	
20	84QAM	1	99	22.19	22.26	22.19				
20	84QAM	50	0	21.31	21.36	21.19				
20	84QAM	50	24	21.27	21.32	21.13		22.5	3	
20	84QAM	100	0	21.14	21.27	21.21				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.10	24.23	24.08		25.5	0	
15	QPSK	1	74	24.17	24.22	24.24				
15	QPSK	36	0	23.32	23.42	23.27				
15	QPSK	36	20	23.24	23.16	23.19		24.5	1	
15	QPSK	36	39	23.21	23.15	23.31				
15	QPSK	70	0	23.19	23.10	23.23				
15	16QAM	1	0	23.30	23.35	23.18				
15	16QAM	1	37	23.41	23.27	23.24		24.5	1	
15	16QAM	1	74	23.16	23.30	23.14				
15	16QAM	36	0	22.29	22.28	22.28				
15	16QAM	36	20	22.22	22.22	22.17		23.5	2	
15	16QAM	36	39	22.24	22.24	22.23				
15	16QAM	70	0	22.22	22.29	22.24				
15	84QAM	1	0	22.20	22.32	22.30		23.5	2	
15	84QAM	1	37	22.09	22.10	22.15				
15	84QAM	1	74	22.15	22.07	22.22				
15	84QAM	36	0	21.30	21.32	21.33				
15	84QAM	36	20	21.26	21.12	21.22		22.5	3	
15	84QAM	36	39	21.14	21.28	21.25				
15	84QAM	70	0	21.20	21.10	21.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.19	24.15	24.26		25.5	0	
10	QPSK	1	25	24.34	24.23	24.31				
10	QPSK	1	49	24.17	24.22	24.24				
10	QPSK	25	0	23.26	23.42	23.37				
10	QPSK	25	12	23.23	23.16	23.27		24.5	1	
10	QPSK	25	25	23.28	23.13	23.16				
10	QPSK	50	0	23.19	23.10	23.23				
10	16QAM	1	0	23.20	23.23	23.20				
10	16QAM	1	25	23.39	23.35	23.33		24.5	1	
10	16QAM	1	49	23.18	23.28	23.30				
10	16QAM	25	0	22.32	22.31	22.31				
10	16QAM	25	12	22.29	22.28	22.25		23.5	2	
10	16QAM	25	25	22.20	22.33	22.28				
10	16QAM	50	0	22.26	22.17	22.30				
10	16QAM	1	0	22.29	22.22	22.24		23.5	2	
10	84QAM	1	25	22.21	22.18	22.15				
10	84QAM	1	49	22.14	22.19	22.19				
10	84QAM	25	0	21.28	21.19	21.21				
10	84QAM	25	12	21.24	21.13	21.16		22.5	3	
10	84QAM	25	25	21.26	21.12	21.27				
10	84QAM	50	0	21.13	21.16	21.09				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.27	24.19	24.11		25.5	0	
5	QPSK	1	12	24.22	24.32	24.31				
5	QPSK	1	24	24.12	24.08	24.07				
5	QPSK	12	0	23.42	23.36	23.24				
5	QPSK	12	7	23.28	23.27	23.25		24.5	1	
5	QPSK	12	13	23.15	23.18	23.20				
5	QPSK	25	0	23.11	23.12	23.23				
5	16QAM	1	0	23.31	23.12	23.19				
5	16QAM	1	12	23.27	23.28	23.40		24.5	1	
5	16QAM	1	24	23.27	23.24	23.28				
5	16QAM	12	0	22.33	22.29	22.23				
5	16QAM	12	7	22.27	22.27	22.28		23.5	2	
5	16QAM	12	13	22.33	22.18	22.28				
5	16QAM	25	0	22.18	22.17	22.31				
5	84QAM	1	0	22.29	22.28	22.22		23.5	2	
5	84QAM	1	12	22.14	22.27	22.11				
5	84QAM	1	24	22.23	22.14	22.17				
5	84QAM	12	0	21.15	21.31	21.33				
5	84QAM	12	7	21.15	21.13	21.15		22.5	3	
5	84QAM	12	13	21.15	21.20	21.19				
5	84QAM	25	0	21.11	21.11	21.16				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.25	24.10	24.10		25.5	0	
3	QPSK	1	8	24.23	24.30	24.35				
3	QPSK	1	14	24.07	24.06	24.04				
3	QPSK	8	0	23.24	23.32	23.32				
3	QPSK	8	4	23.27	23.19	23.22		24.5	1	
3	QPSK	8	7	23.15	23.16	23.27				
3	QPSK	15	0	23.07	23.17	23.05				
3	16QAM	1	0	23.26	23.23	23.24				
3	16QAM	1	8	23.32	23.32	23.24		24.5	1	
3	16QAM	1	14	23.17	23.27	23.24				
3	16QAM	8	0	22.35	22.24	22.16				
3	16QAM	8	4	22.26	22.26	22.28		23.5	2	
3	16QAM	8	7	22.30	22.21	22.21				
3	16QAM	15	0	22.36	22.19	22.18				
3	84QAM	1	0	22.33	22.25	22.24				
3	84QAM	1	8	22.22	22.16	22.17		23.5	2	
3	84QAM	1	14	22.14	22.07	22.08				
3	84QAM	8	0	21.21	21.20	21.18				
3	84QAM	8	4	21.16	21.21	21.22		22.5	3	
3	84QAM	15	0	21.26	21.11	21.16				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.25	24.10	24.24		25.5	0	
1.4	QPSK	1	3	24.24	24.25	24.26				
1.4	QPSK	1	5	24.16	24.09	24.19				
1.4	QPSK	3	0	24.37	24.38	24.22				
1.4	QPSK	3	1	24.27	24.25	24.20				
1.4	QPSK	3	3	24.26	24.20	24.14				
1.4	QPSK	6	0	23.05	23.15	23.05		24.5	1	
1.4	16QAM	1	0	23.24	23.24	23.28				
1.4	16QAM	1	3	23.25	23.32	23.39				
1.4	16QAM	1	5	23.12	23.14	23.29		24.5	1	
1.4	16QAM	3	0	23.29	23.29	23.20				
1.4	16QAM	3	1	23.18	23.23	23.25				
1.4	16QAM	3	3	23.16	23.15	23.22				
1.4	16QAM	6	0	22.35	22.28	22.18		23.5	2	
1.4	84QAM	1	0	22.28	22.16	22.15				
1.4	84QAM	1	3	22.10	22.08	22.22				
1.4	84QAM	1	5	22.19	22.20	22.21		23.5	2	
1.4	84QAM	3	0	22.24	22.29	22.30				
1.4	84QAM	3	1	22.20	22.17	22.22				
1.4	84QAM	3	3	22.23	22.12	22.19		22.5	3	
1.4	84QAM	6	0	21.23	21.24	21.13				

Band 4 Ant 5(DS13)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 2050	Power Middle Ch. Freq. 2075	Power High Ch. Freq. 2100	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.94	25.01	24.97		26		



Band 7_Ant 5(DS13)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPP (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.99	24.02	24.05			25	0
20	QPSK	1	49	23.99	24.02	24.05				
20	QPSK	1	99	23.98	23.92	24.01				
20	QPSK	50	0	22.91	22.94	23.08				
20	QPSK	50	24	23.00	22.95	23.10			24	1
20	QPSK	50	50	22.84	22.83	23.00				
20	QPSK	100	0	22.80	22.94	23.03				
20	16QAM	1	0	23.06	23.11	23.07				
20	16QAM	1	49	23.11	23.17	23.02			24	1
20	16QAM	1	99	23.04	23.10	23.00				
20	16QAM	50	0	21.86	22.02	21.94				
20	16QAM	50	24	21.93	22.05	22.01				
20	16QAM	50	50	21.98	22.07	21.90			23	2
20	16QAM	100	0	21.95	22.06	21.87				
20	64QAM	1	0	21.84	22.04	21.88				
20	64QAM	1	49	22.04	22.16	22.03			23	2
20	64QAM	1	99	21.85	22.01	21.83				
20	64QAM	50	0	20.88	21.04	20.93				
20	64QAM	50	24	20.88	21.05	20.99				
20	64QAM	50	50	20.96	20.96	20.91			22	3
20	64QAM	100	0	20.89	20.97	20.85				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.90	23.93	23.96				
15	QPSK	1	37	23.13	23.01	23.05				
15	QPSK	1	74	23.87	23.83	24.00			25	0
15	QPSK	36	0	23.05	22.89	23.03				
15	QPSK	36	20	22.94	22.94	22.97			24	1
15	QPSK	36	39	23.02	22.88	22.88				
15	QPSK	15	0	22.85	22.95	22.89				
15	16QAM	1	0	23.07	22.96	23.04				
15	16QAM	1	37	23.08	23.11	22.97			24	1
15	16QAM	1	74	22.92	22.91	22.97				
15	16QAM	36	0	21.97	21.92	21.94				
15	16QAM	36	20	21.87	21.87	21.96			23	2
15	16QAM	36	39	22.01	22.00	22.02				
15	16QAM	75	0	21.95	21.97	22.05				
15	64QAM	1	0	22.00	22.03	22.01				
15	64QAM	1	49	22.12	21.97	21.98			23	2
15	64QAM	1	74	21.87	21.93	21.88				
15	64QAM	36	0	21.03	20.86	20.85				
15	64QAM	36	20	20.98	21.01	20.86			22	3
15	64QAM	36	39	20.96	20.96	20.91				
15	64QAM	75	0	20.91	20.80	20.89				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.95	23.99	24.04				
10	QPSK	1	25	24.03	23.99	24.07			25	0
10	QPSK	1	49	23.83	23.99	23.99				
10	QPSK	25	0	22.99	22.98	23.01				
10	QPSK	25	12	22.98	22.96	22.90			24	1
10	QPSK	25	25	22.87	23.01	22.87				
10	QPSK	50	0	22.91	22.95	22.89				
10	16QAM	1	0	23.00	22.91	23.03				
10	16QAM	1	25	22.96	23.03	22.96			24	1
10	16QAM	1	49	22.92	22.98	23.07				
10	16QAM	25	0	21.90	21.93	22.02				
10	16QAM	25	12	22.03	21.88	21.89			23	2
10	16QAM	25	25	22.01	21.97	21.95				
10	16QAM	50	0	21.87	21.96	21.88				
10	64QAM	1	0	21.93	21.85	21.89				
10	64QAM	1	25	22.02	22.13	21.87			23	2
10	64QAM	1	49	21.96	22.00	21.98				
10	64QAM	25	0	20.88	20.99	20.97				
10	64QAM	25	12	20.92	20.87	20.85			22	3
10	64QAM	25	25	20.91	20.83	20.84				
10	64QAM	50	0	20.82	20.93	20.92				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.91	24.04	24.01				
5	QPSK	1	12	23.94	23.97	24.08			25	0
5	QPSK	1	24	23.88	23.81	23.02				
5	QPSK	12	0	23.07	22.90	23.04				
5	QPSK	12	7	22.95	22.98	22.93			24	1
5	QPSK	12	13	23.04	22.92	22.98				
5	QPSK	25	0	22.90	22.92	22.88				
5	16QAM	1	0	23.10	22.91	23.01				
5	16QAM	1	12	23.03	23.06	23.01			24	1
5	16QAM	1	24	23.02	22.91	22.93				
5	16QAM	12	0	21.93	21.97	21.86				
5	16QAM	12	7	21.87	21.96	21.87			23	2
5	16QAM	12	13	22.02	21.99	21.99				
5	16QAM	25	0	21.84	22.04	21.87				
5	64QAM	1	0	21.91	22.02	22.03				
5	64QAM	1	12	21.98	22.00	22.02			23	2
5	64QAM	1	24	21.86	21.98	21.82				
5	64QAM	12	0	20.87	21.00	20.87				
5	64QAM	12	7	20.95	21.04	21.04			22	3
5	64QAM	12	13	20.97	20.80	20.85				
5	64QAM	25	0	20.89	20.90	20.85				

Band 66_Ant 0(DS13)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPP (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.24	23.28	23.20			24	0
20	QPSK	1	49	23.29	23.24	23.30				
20	QPSK	1	99	23.22	23.22	23.17				
20	QPSK	50	0	22.80	22.81	22.81				
20	QPSK	50	24	22.81	22.82	22.83			24	0
20	QPSK	50	50	22.70	22.84	22.72				
20	QPSK	100	0	22.73	22.84	22.82				
20	16QAM	1	0	22.65	22.83	22.69				
20	16QAM	1	49	22.80	22.90	22.79			23	1
20	16QAM	1	99	22.52	22.68	22.51				
20	16QAM	50	0	21.58	21.73	21.60				
20	16QAM	50	24	21.77	21.83	21.70			22	2
20	16QAM	50	50	21.66	21.77	21.70				
20	16QAM	100	0	21.73	21.76	21.68				
20	64QAM	1	0	21.68	21.80	21.68				
20	64QAM	1	49	21.78	21.87	21.66			22	2
20	64QAM	1	99	21.65	21.69	21.67				
20	64QAM	50	0	20.51	20.67	20.61				
20	64QAM	50	24	20.70	20.76	20.59			21	3
20	64QAM	50	50	20.58	20.76	20.69				
20	64QAM	100	0	20.52	20.69	20.50				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.21	23.14	23.10				
15	QPSK	1	37	23.29	23.24	23.30			24	0
15	QPSK	1	74	23.16	23.07	23.20				
15	QPSK	36	0	22.71	22.78	22.85				
15	QPSK	36	20	22.77	22.79	22.80			24	0
15	QPSK	36	39	22.87	22.81	22.75				
15	QPSK	15	0	22.75	22.83	22.68				
15	16QAM	1	0	22.65	22.74	22.71				
15	16QAM	1	37	22.71	22.82	22.87			23	1
15	16QAM	1	74	22.65	22.60	22.67				
15	16QAM	36	0	21.68	21.66	21.62				
15	16QAM	36	20	21.80	21.78	21.73			22	2
15	16QAM	36	39	21.62	21.76	21.67				
15	16QAM	75	0	21.60	21.58	21.64				
15	64QAM	1	0	21.59	21.67	21.63			22	2
15	64QAM	1	37	21.71	21.72	21.65				
15	64QAM	1	74	21.62	21.61	21.53				
15	64QAM	36	0	20.57	20.55	20.57				
15	64QAM	36	20	20.57	20.58	20.59			21	3
15	64QAM	36	39	20.68	20.74	20.6				



Band 4 Ant 0(DS14)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 20500	Power Middle Ch. Freq. 20175	Power High Ch. Freq. 20500	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.08	24.28	24.10		25.5	0	
20	QPSK	1	49	24.18	24.38	24.29				
20	QPSK	1	99	24.22	24.25	24.15				
20	QPSK	50	0	23.26	23.32	23.33				
20	QPSK	50	24	23.27	23.36	23.35		24.5	1	
20	QPSK	100	0	23.14	23.33	23.26				
20	QPSK	100	0	23.05	23.25	23.21				
20	16QAM	1	0	23.31	23.37	23.21				
20	16QAM	1	49	23.30	23.42	23.26		24.5	1	
20	16QAM	1	99	23.30	23.32	23.20				
20	16QAM	50	0	22.31	22.32	22.22				
20	16QAM	50	24	22.14	22.32	22.26		23.5	2	
20	16QAM	50	60	22.27	22.34	22.32				
20	16QAM	100	0	22.19	22.37	22.33				
20	64QAM	1	0	22.16	22.34	22.26				
20	64QAM	1	49	22.24	22.28	22.18		23.5	2	
20	64QAM	1	99	22.19	22.26	22.19				
20	64QAM	50	0	21.31	21.36	21.19				
20	64QAM	50	24	21.27	21.32	21.13		22.5	3	
20	64QAM	50	24	21.19	21.24	21.19				
20	64QAM	100	0	21.14	21.27	21.21				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.10	24.23	24.08		25.5	0	
15	QPSK	1	24	24.18	24.28	24.21				
15	QPSK	1	74	24.17	24.22	24.24				
15	QPSK	36	0	23.32	23.42	23.27				
15	QPSK	36	20	23.24	23.16	23.19		24.5	1	
15	QPSK	36	39	23.21	23.15	23.31				
15	QPSK	75	0	23.19	23.18	23.23				
15	16QAM	1	0	23.30	23.35	23.18				
15	16QAM	1	37	23.41	23.27	23.24		24.5	1	
15	16QAM	1	74	23.16	23.30	23.14				
15	16QAM	36	0	22.29	22.28	22.28				
15	16QAM	36	20	22.22	22.22	22.17		23.5	2	
15	16QAM	36	39	22.24	22.24	22.23				
15	16QAM	75	0	22.22	22.29	22.24				
15	64QAM	1	0	22.20	22.32	22.30		23.5	2	
15	64QAM	1	37	22.09	22.10	22.19				
15	64QAM	1	74	22.15	22.07	22.22				
15	64QAM	36	0	21.30	21.32	21.33				
15	64QAM	36	20	21.26	21.12	21.22		22.5	3	
15	64QAM	36	39	21.14	21.28	21.22				
15	64QAM	75	0	21.20	21.10	21.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.19	24.15	24.26		25.5	0	
10	QPSK	1	25	24.34	24.23	24.31				
10	QPSK	1	49	24.18	24.28	24.27				
10	QPSK	25	0	23.26	23.42	23.37				
10	QPSK	25	12	23.23	23.16	23.27		24.5	1	
10	QPSK	25	25	23.28	23.13	23.16				
10	QPSK	50	0	23.19	23.18	23.19				
10	16QAM	1	0	23.20	23.23	23.20				
10	16QAM	1	25	23.38	23.35	23.33		24.5	1	
10	16QAM	1	49	23.18	23.28	23.30				
10	16QAM	25	0	22.32	22.31	22.31				
10	16QAM	25	12	22.29	22.28	22.25		23.5	2	
10	16QAM	25	25	22.20	22.33	22.28				
10	16QAM	50	0	22.26	22.17	22.30				
10	16QAM	50	0	22.29	22.22	22.24		23.5	2	
10	64QAM	1	0	22.21	22.18	22.15				
10	64QAM	1	49	22.14	22.19	22.19				
10	64QAM	25	0	21.28	21.19	21.21				
10	64QAM	25	12	21.24	21.13	21.16		22.5	3	
10	64QAM	25	25	21.26	21.12	21.27				
10	64QAM	50	0	21.13	21.16	21.09				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.27	24.19	24.11		25.5	0	
5	QPSK	1	12	24.22	24.32	24.31				
5	QPSK	1	24	24.12	24.28	24.27				
5	QPSK	12	0	23.42	23.36	23.24				
5	QPSK	12	7	23.28	23.27	23.25		24.5	1	
5	QPSK	12	13	23.15	23.18	23.20				
5	QPSK	25	0	23.11	23.12	23.23				
5	16QAM	1	0	23.13	23.12	23.19				
5	16QAM	1	12	23.27	23.28	23.40		24.5	1	
5	16QAM	1	24	23.27	23.24	23.28				
5	16QAM	12	0	22.33	22.29	22.23				
5	16QAM	12	7	22.27	22.27	22.27		23.5	2	
5	16QAM	12	13	22.33	22.18	22.28				
5	16QAM	25	0	22.18	22.17	22.31				
5	64QAM	1	0	22.29	22.28	22.22		23.5	2	
5	64QAM	1	12	22.14	22.27	22.11				
5	64QAM	1	24	22.23	22.14	22.14				
5	64QAM	12	0	21.15	21.31	21.33				
5	64QAM	12	7	21.15	21.13	21.15		22.5	3	
5	64QAM	12	13	21.15	21.20	21.19				
5	64QAM	25	0	21.11	21.18	21.21				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.25	24.10	24.10		25.5	0	
3	QPSK	1	8	24.23	24.30	24.35				
3	QPSK	1	14	24.07	24.26	24.18				
3	QPSK	8	0	23.24	23.32	23.32				
3	QPSK	8	4	23.27	23.19	23.22		24.5	1	
3	QPSK	8	7	23.15	23.16	23.27				
3	QPSK	15	0	23.07	23.17	23.05				
3	16QAM	1	0	23.26	23.33	23.28				
3	16QAM	1	8	23.32	23.32	23.24		24.5	1	
3	16QAM	1	14	23.17	23.27	23.24				
3	16QAM	8	0	22.35	22.24	22.16				
3	16QAM	8	4	22.26	22.26	22.28		23.5	2	
3	16QAM	8	7	22.30	22.30	22.21				
3	16QAM	15	0	22.36	22.19	22.18				
3	64QAM	1	0	22.33	22.25	22.24				
3	64QAM	1	8	22.22	22.16	22.17		23.5	2	
3	64QAM	1	14	22.14	22.07	22.08				
3	64QAM	8	0	21.21	21.20	21.18				
3	64QAM	8	4	21.16	21.21	21.22		22.5	3	
3	64QAM	8	7	21.21	21.16	21.12				
3	64QAM	15	0	21.26	21.11	21.16				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.25	24.10	24.24		25.5	0	
1.4	QPSK	1	3	24.24	24.25	24.26				
1.4	QPSK	1	5	24.16	24.09	24.19				
1.4	QPSK	3	0	24.37	24.38	24.42				
1.4	QPSK	3	1	24.27	24.25	24.20				
1.4	QPSK	3	3	24.26	24.20	24.14				
1.4	QPSK	6	0	23.05	23.15	23.05		24.5	1	
1.4	16QAM	1	0	23.34	23.24	23.28				
1.4	16QAM	1	3	23.25	23.32	23.39				
1.4	16QAM	1	5	23.12	23.14	23.29		24.5	1	
1.4	16QAM	3	0	23.29	23.29	23.20				
1.4	16QAM	3	1	23.18	23.23	23.25				
1.4	16QAM	3	3	23.16	23.15	23.22				
1.4	16QAM	6	0	22.35	22.28	22.18		23.5	2	
1.4	64QAM	1	0	22.28	22.16	22.15				
1.4	64QAM	1	3	22.10	22.08	22.22		23.5	2	
1.4	64QAM	1	5	22.19	22.20	22.30				
1.4	64QAM	3	0	22.24	22.29	22.30				
1.4	64QAM	3	1	22.20	22.17	22.22				
1.4	64QAM	3	3	22.23	22.12	22.19		22.5	3	
1.4	64QAM	6	0	21.23	21.24	21.13				



Band 7_Ant 5(DS14)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.54	19.44	19.58			20.5	0
20	QPSK	1	49	19.57	19.51	19.62				
20	QPSK	1	99	19.67	19.56	19.66				
20	QPSK	50	0	19.52	19.51	19.56				
20	QPSK	50	24	19.61	19.54	19.63			20.5	0
20	QPSK	50	50	19.63	19.56	19.63				
20	QPSK	100	0	19.60	19.54	19.62				
20	16QAM	1	0	19.65	19.66	19.51				
20	16QAM	1	49	19.54	19.53	19.62			20.5	0
20	16QAM	1	99	19.58	19.56	19.48				
20	16QAM	50	0	19.58	19.57	19.52				
20	16QAM	50	24	19.63	19.54	19.53			20.5	0
20	16QAM	50	50	19.56	19.53	19.45				
20	16QAM	100	0	19.58	19.53	19.49				
20	64QAM	1	0	19.57	19.57	19.39			20.5	0
20	64QAM	1	49	19.64	19.63	19.54				
20	64QAM	1	99	19.48	19.45	19.42				
20	64QAM	50	0	19.60	19.58	19.51				
20	64QAM	50	24	19.57	19.57	19.52			20.5	0
20	64QAM	50	50	19.56	19.54	19.46				
20	64QAM	100	0	19.56	19.56	19.48				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.31	19.31	19.33			20.5	0
15	QPSK	1	37	19.59	19.61	19.62				
15	QPSK	1	74	19.45	19.55	19.45				
15	QPSK	36	0	19.36	19.43	19.43				
15	QPSK	36	20	19.41	19.47	19.51			20.5	0
15	QPSK	36	39	19.43	19.48	19.52				
15	QPSK	15	0	19.42	19.41	19.47				
15	16QAM	1	0	19.58	19.54	19.63				
15	16QAM	1	37	19.39	19.49	19.43			20.5	0
15	16QAM	1	74	19.50	19.41	19.42				
15	16QAM	36	0	19.57	19.54	19.50				
15	16QAM	36	20	19.46	19.51	19.52			20.5	0
15	16QAM	36	39	19.39	19.50	19.40				
15	16QAM	75	0	19.44	19.40	19.43				
15	64QAM	1	0	19.45	19.55	19.44			20.5	0
15	64QAM	1	49	19.59	19.54	19.53				
15	64QAM	1	74	19.43	19.44	19.40				
15	64QAM	36	0	19.37	19.55	19.57				
15	64QAM	36	20	19.48	19.51	19.49			20.5	0
15	64QAM	36	39	19.50	19.54	19.46				
15	64QAM	75	0	19.44	19.40	19.43				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.38	19.36	19.42			20.5	0
10	QPSK	1	25	19.54	19.61	19.56				
10	QPSK	1	49	19.42	19.62	19.65				
10	QPSK	25	0	19.37	19.42	19.38				
10	QPSK	25	12	19.48	19.39	19.39			20.5	0
10	QPSK	25	25	19.53	19.43	19.45				
10	QPSK	50	0	19.47	19.41	19.43				
10	16QAM	1	0	19.53	19.62	19.61				
10	16QAM	1	25	19.44	19.41	19.51			20.5	0
10	16QAM	1	49	19.55	19.48	19.52				
10	16QAM	25	0	19.44	19.44	19.44				
10	16QAM	25	12	19.48	19.48	19.46			20.5	0
10	16QAM	25	25	19.40	19.40	19.38				
10	16QAM	50	0	19.50	19.46	19.52				
10	64QAM	1	0	19.51	19.50	19.52			20.5	0
10	64QAM	1	25	19.62	19.48	19.56				
10	64QAM	1	49	19.31	19.37	19.31				
10	64QAM	25	0	19.55	19.57	19.53				
10	64QAM	25	12	19.52	19.54	19.51			20.5	0
10	64QAM	25	25	19.50	19.48	19.48				
10	64QAM	50	0	19.51	19.52	19.51				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.30	19.33	19.34			20.5	0
5	QPSK	1	12	19.54	19.62	19.59				
5	QPSK	1	24	19.47	19.41	19.47				
5	QPSK	12	0	19.46	19.49	19.38				
5	QPSK	12	7	19.44	19.47	19.52			20.5	0
5	QPSK	12	13	19.49	19.50	19.48				
5	QPSK	25	0	19.50	19.46	19.49				
5	16QAM	1	0	19.65	19.52	19.58				
5	16QAM	1	12	19.46	19.44	19.50			20.5	0
5	16QAM	1	24	19.46	19.49	19.42				
5	16QAM	12	0	19.54	19.42	19.44				
5	16QAM	12	7	19.47	19.39	19.43			20.5	0
5	16QAM	12	13	19.45	19.45	19.40				
5	16QAM	25	0	19.41	19.52	19.49				
5	64QAM	1	0	19.47	19.49	19.42			20.5	0
5	64QAM	1	12	19.51	19.53	19.56				
5	64QAM	1	24	19.39	19.43	19.30				
5	64QAM	12	0	19.57	19.58	19.57				
5	64QAM	12	7	19.56	19.55	19.47			20.5	0
5	64QAM	12	13	19.45	19.48	19.47				
5	64QAM	25	0	19.53	19.46	19.47				

Band 66_Ant 0(DS14)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.24	23.28	23.20			24	0
20	QPSK	1	49	23.39	23.44	23.33				
20	QPSK	1	99	23.22	23.22	23.17				
20	QPSK	50	0	22.80	22.81	22.81				
20	QPSK	50	24	22.81	22.82	22.83			24	0
20	QPSK	50	50	22.76	22.84	22.72				
20	16QAM	1	0	22.73	22.84	22.82				
20	16QAM	1	0	22.65	22.83	22.69				
20	16QAM	1	49	22.80	22.90	22.79			23	1
20	16QAM	1	99	22.52	22.68	22.51				
20	16QAM	50	0	21.58	21.73	21.60				
20	16QAM	50	24	21.77	21.83	21.70			22	2
20	16QAM	50	50	21.66	21.77	21.70				
20	16QAM	100	0	21.73	21.76	21.68				
20	64QAM	1	0	21.68	21.80	21.68			22	2
20	64QAM	1	49	21.78	21.87	21.66				
20	64QAM	1	99	21.65	21.69	21.67				
20	64QAM	50	0	20.51	20.67	20.61				
20	64QAM	50	24	20.50	20.76	20.59			21	3
20	64QAM	50	50	20.51	20.76	20.59				
20	64QAM	100	0	20.52	20.69	20.50				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.21	23.14	23.10			24	0
15	QPSK	1	23	23.39	23.44	23.33				
15	QPSK	1	49	23.16	23.07	23.20				
15	QPSK	36	0	22.71	22.78	22.80				
15	QPSK	36	20	22.77	22.79	22.85			24	0
15	QPSK	36	39	22.87	22.81	22.75				
15	QPSK	75	0	22.75	22.83	22.66				
15	16QAM	1	0	22.65	22.74	22.71				
15	16QAM	1	37	22.71	22.82	22.87			23	1
15	16QAM	1	74	22.65	22.60	22.67				
15	16QAM	36	0	21.69	21.66	21.64				
15	16QAM	36	20	21.80	21.76	21.67			22	2
15	16QAM	36	39	21.62	21.76	21.73				
15	16QAM	75	0	21.60	21.56	21.54				
15	64QAM	1	0	21.59	21.67	21.63			22	2
15	64QAM	1	37	21.57	21.61	21.57				
15	64QAM	1	74	21.62	21.61	21.53				
15	64QAM	36	0	20.57	20.55	20.57				
15	64QAM	36	20	20.57	20.58	20.59			21	3
15	64QAM	36	39							



UL Intra-CA Power

CA_7C - ANT0 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Full Power	21.31	23.00
21100	20902	QPSK	1	49	0	0	1	0	Full Power	21.08	23.00
21350	21152	QPSK	1	49	0	0	1	0	Full Power	21.34	23.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 0	21.31	23.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 0	21.08	23.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 0	21.34	23.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 1	20.36	22.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 1	20.13	22.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 1	20.39	22.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 3	21.31	23.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 3	21.08	23.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 3	21.34	23.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 4	17.86	19.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 4	17.63	19.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 4	17.89	19.50

CA_38C - ANT0 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	1	0	Full Power	21.73	23.50
37901	38099	QPSK	1	49	0	0	1	0	Full Power	21.75	23.50
38150	37952	QPSK	1	49	0	0	1	0	Full Power	21.47	23.50
37850	38048	QPSK	1	49	0	0	1	0	DSI 0	21.73	23.50
37901	38099	QPSK	1	49	0	0	1	0	DSI 0	21.75	23.50
38150	37952	QPSK	1	49	0	0	1	0	DSI 0	21.47	23.50
37850	38048	QPSK	1	49	0	0	1	0	DSI 1	21.73	23.50
37901	38099	QPSK	1	49	0	0	1	0	DSI 1	21.75	23.50
38150	37952	QPSK	1	49	0	0	1	0	DSI 1	21.47	23.50
37850	38048	QPSK	1	49	0	0	1	0	DSI 3	21.73	23.50
37901	38099	QPSK	1	49	0	0	1	0	DSI 3	21.75	23.50
38150	37952	QPSK	1	49	0	0	1	0	DSI 3	21.47	23.50
37850	38048	QPSK	1	49	0	0	1	0	DSI 4	21.73	23.50
37901	38099	QPSK	1	49	0	0	1	0	DSI 4	21.75	23.50
38150	37952	QPSK	1	49	0	0	1	0	DSI 4	21.47	23.50

CA_7C - ANT1 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Full Power	23.72	25.00
21100	20902	QPSK	1	49	0	0	1	0	Full Power	23.74	25.00
21350	21152	QPSK	1	49	0	0	1	0	Full Power	23.75	25.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 0	23.72	25.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 0	23.74	25.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 0	23.75	25.00
20850	21048	QPSK	50	24	0	0	1	0	DSI 1	19.25	21.00
21100	20902	QPSK	50	24	0	0	1	0	DSI 1	19.35	21.00
21350	21152	QPSK	50	24	0	0	1	0	DSI 1	19.45	21.00
20850	21048	QPSK	50	24	0	0	1	0	DSI 3	23.72	25.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 3	23.74	25.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 3	23.75	25.00
20850	21048	QPSK	50	24	0	0	1	0	DSI 4	19.25	21.00
21100	20902	QPSK	50	24	0	0	1	0	DSI 4	19.35	21.00
21350	21152	QPSK	50	24	0	0	1	0	DSI 4	19.45	21.00

CA_38C - ANT1 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	1	0	Full Power	24.26	25.50
37901	38099	QPSK	1	49	0	0	1	0	Full Power	24.32	25.50
38150	37952	QPSK	1	49	0	0	1	0	Full Power	24.31	25.50
37850	38048	QPSK	1	49	0	0	1	0	DSI 0	24.26	25.50
37901	38099	QPSK	1	49	0	0	1	0	DSI 0	24.32	25.50
38150	37952	QPSK	1	49	0	0	1	0	DSI 0	24.31	25.50
37850	38048	QPSK	1	49	0	0	1	0	DSI 1	21.85	23.00
37901	38099	QPSK	1	49	0	0	1	0	DSI 1	21.90	23.00
38150	37952	QPSK	1	49	0	0	1	0	DSI 1	21.87	23.00
37850	38048	QPSK	1	49	0	0	1	0	DSI 3	24.26	25.50
37901	38099	QPSK	1	49	0	0	1	0	DSI 3	24.32	25.50
38150	37952	QPSK	1	49	0	0	1	0	DSI 3	24.31	25.50
37850	38048	QPSK	50	24	0	0	1	0	DSI 4	24.31	25.50
37901	38099	QPSK	50	24	0	0	1	0	DSI 4	21.90	23.00
38150	37952	QPSK	50	24	0	0	1	0	DSI 4	21.87	23.00

CA_7C - ANT3 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Full Power	23.47	24.50
21100	20902	QPSK	1	49	0	0	1	0	Full Power	23.38	24.50
21350	21152	QPSK	1	49	0	0	1	0	Full Power	23.46	24.50
20850	21048	QPSK	50	24	0	0	1	0	DSI 0	13.38	14.50
21100	20902	QPSK	50	24	0	0	1	0	DSI 0	13.19	14.50
21350	21152	QPSK	50	24	0	0	1	0	DSI 0	13.13	14.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 1	18.75	20.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 1	18.70	20.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 1	18.89	20.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 3	23.47	24.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 3	23.38	24.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 3	23.46	24.50
20850	21048	QPSK	50	24	0	0	1	0	DSI 4	13.38	14.50
21100	20902	QPSK	50	24	0	0	1	0	DSI 4	13.19	14.50
21350	21152	QPSK	50	24	0	0	1	0	DSI 4	13.13	14.50

CA_38C - ANT3 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	1	0	Full Power	23.61	25.00
37901	38099	QPSK	1	49	0	0	1	0	Full Power	23.62	25.00
38150	37952	QPSK	1	49	0	0	1	0	Full Power	23.43	25.00
37850	38048	QPSK	50	24	0	0	1	0	DSI 0	13.05	14.50
37901	38099	QPSK	50	24	0	0	1	0	DSI 0	13.08	14.50
38150	37952	QPSK	50	24	0	0	1	0	DSI 0	12.87	14.50
37850	38048	QPSK	1	49	0	0	1	0	DSI 1	21.15	23.00
37901	38099	QPSK	1	49	0	0	1	0	DSI 1	21.33	23.00
38150	37952	QPSK	1	49	0	0	1	0	DSI 1	21.35	23.00
37850	38048	QPSK	1	49	0	0	1	0	DSI 3	23.61	25.00
37901	38099	QPSK	1	49	0	0	1	0	DSI 3	23.62	25.00
38150	37952	QPSK	1	49	0	0	1	0	DSI 3	23.43	25.00
37850	38048	QPSK	50	24	0	0	1	0	DSI 4	13.05	14.50
37901	38099	QPSK	50	24	0	0	1	0	DSI 4	13.08	14.50
38150	37952	QPSK	50	24	0	0	1	0	DSI 4	12.87	14.50

CA_7C - ANT5 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Full Power	21.46	22.50
21100	20902	QPSK	1	49	0	0	1	0	Full Power	21.70	22.50
21350	21152	QPSK	1	49	0	0	1	0	Full Power	21.74	22.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 0	12.27	13.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 0	12.37	13.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 0	12.55	13.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 1	19.78	21.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 1	19.77	21.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 1	19.97	21.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 3	21.46	22.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 3	21.70	22.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 3	21.74	22.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 4	12.27	13.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 4	12.37	13.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 4	12.55	13.50



Inter Band UL CA

PCC:Ant 1 SCC:Ant 0

Tune up Power (dBm)

CA 4A-7A												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
			RB Size	RB offset	RB Size	RB offset						
20050	20850	QPSK	1	0	1	0	20.81	20.09	23.48	22	22	25.0
			1	49	1	49	20.65	19.92	23.31	22	22	25.0
			1	99	1	99	20.58	20.01	23.31	22	22	25.0
			50	0	50	0	21.40	20.60	24.03	22	22	25.0
			50	24	50	24	21.34	20.57	23.98	22	22	25.0
			50	50	50	50	21.24	20.53	23.91	22	22	25.0
			100	0	100	0	21.61	20.55	24.12	22	22	25.0
			1	0	1	0	20.84	20.13	23.51	22	22	25.0
			1	49	1	49	20.78	20.02	23.43	22	22	25.0
			1	99	1	99	20.70	20.06	23.40	22	22	25.0
20175	21100	QPSK	50	0	50	0	21.52	20.70	24.14	22	22	25.0
			50	24	50	24	21.40	20.62	24.04	22	22	25.0
			50	50	50	50	21.39	20.67	24.06	22	22	25.0
			100	0	100	0	21.70	20.65	24.22	22	22	25.0
			1	0	1	0	20.73	20.09	23.43	22	22	25.0
			1	49	1	49	20.67	19.87	23.30	22	22	25.0
			1	99	1	99	20.59	19.99	23.31	22	22	25.0
			50	0	50	0	21.40	20.60	24.03	22	22	25.0
			50	24	50	24	21.30	20.60	23.97	22	22	25.0
			50	50	50	50	21.29	20.56	23.95	22	22	25.0
20300	21350	QPSK	100	0	100	0	21.59	20.58	24.12	22	22	25.0

PCC:Ant 0 SCC:Ant 1

Tune up Power (dBm)

CA 7A-4A												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
			RB Size	RB offset	RB Size	RB offset						
20850	20050	QPSK	1	0	1	0	20.97	21.31	24.15	22	22	25.0
			1	49	1	49	20.73	21.13	23.94	22	22	25.0
			1	99	1	99	20.71	21.25	24.00	22	22	25.0
			50	0	50	0	20.60	21.53	24.10	22	22	25.0
			50	24	50	24	20.43	21.46	23.99	22	22	25.0
			50	50	50	50	20.50	21.55	24.07	22	22	25.0
			100	0	100	0	21.30	20.55	23.95	22	22	25.0
			1	0	1	0	20.99	21.38	24.20	22	22	25.0
			1	49	1	49	20.88	21.27	24.09	22	22	25.0
			1	99	1	99	20.84	21.31	24.09	22	22	25.0
21100	20175	QPSK	50	0	50	0	20.63	21.58	24.14	22	22	25.0
			50	24	50	24	20.50	21.56	24.07	22	22	25.0
			50	50	50	50	20.54	21.57	24.10	22	22	25.0
			100	0	100	0	21.40	20.64	24.05	22	22	25.0
			1	0	1	0	20.92	21.35	24.15	22	22	25.0
			1	49	1	49	20.79	21.26	24.04	22	22	25.0
			1	99	1	99	20.79	21.30	24.06	22	22	25.0
			50	0	50	0	20.52	21.55	24.08	22	22	25.0
			50	24	50	24	20.36	21.44	23.94	22	22	25.0
			50	50	50	50	20.52	21.45	24.02	22	22	25.0
21350	20300	QPSK	100	0	100	0	21.26	20.5	23.91	22	22	25.0

PCC:Ant 1 SCC:Ant 5

Tune up Power (dBm)

CA 4A-7A												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
			RB Size	RB offset	RB Size	RB offset						
20050	20850	QPSK	1	0	1	0	21.83	19.72	23.91	23	21	25.1
			1	49	1	49	21.70	19.46	23.73	23	21	25.1
			1	99	1	99	21.69	19.56	23.76	23	21	25.1
			50	0	50	0	22.47	19.69	24.31	23	21	25.1
			50	24	50	24	22.41	19.60	24.24	23	21	25.1
			50	50	50	50	22.40	19.47	24.19	23	21	25.1
			100	0	100	0	22.31	19.78	24.24	23	21	25.1
			1	0	1	0	21.92	19.76	23.98	23	21	25.1
			1	49	1	49	21.83	19.61	23.87	23	21	25.1
			1	99	1	99	21.84	19.71	23.91	23	21	25.1
20175	21100	QPSK	50	0	50	0	22.48	19.79	24.35	23	21	25.1
			50	24	50	24	22.43	19.71	24.29	23	21	25.1
			50	50	50	50	22.45	19.61	24.27	23	21	25.1
			100	0	100	0	22.43	19.90	24.36	23	21	25.1
			1	0	1	0	21.87	19.73	23.94	23	21	25.1
			1	49	1	49	21.79	19.53	23.82	23	21	25.1
			1	99	1	99	21.83	19.57	23.86	23	21	25.1
			50	0	50	0	22.46	19.65	24.29	23	21	25.1
			50	24	50	24	22.34	19.62	24.20	23	21	25.1
			50	50	50	50	22.33	19.49	24.15	23	21	25.1
20300	21350	QPSK	100	0	100	0	22.40	19.83	24.31	23	21	25.1

PCC:Ant 0 SCC:Ant 3

Tune up Power (dBm)

CA 7A-4A												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
			RB Size	RB offset	RB Size	RB offset						
20850	20050	QPSK	1	0	1	0	20.26	17.36	22.06	21	18.5	22.9
			1	49	1	49	20.15	17.35	21.98	21	18.5	22.9
			1	99	1	99	20.03	17.16	21.84	21	18.5	22.9
			50	0	50	0	20.75	17.67	22.49	21	18.5	22.9
			50	24	50	24	20.58	17.56	22.34	21	18.5	22.9
			50	50	50	50	20.70	17.62	22.44	21	18.5	22.9
			100	0	100	0	20.69	17.58	22.42	21	18.5	22.9
			1	0	1	0	20.31	17.44	22.12	21	18.5	22.9
			1	49	1	49	20.20	17.43	22.04	21	18.5	22.9
			1	99	1	99	20.17	17.28	21.97	21	18.5	22.9
21100	20175	QPSK	50	0	50	0	20.78	17.76	22.54	21	18.5	22.9
			50	24	50	24	20.69	17.64	22.44	21	18.5	22.9
			50	50	50	50	20.77	17.66	22.50	21	18.5	22.9
			100	0	100	0	20.72	17.69	22.47	21	18.5	22.9
			1	0	1	0	20.16	17.42	22.01	21	18.5	22.9
			1	49	1	49	20.17	17.30	21.98	21	18.5	22.9
			1	99	1	99	20.06	17.27	21.90	21	18.5	22.9
			50	0	50	0	20.65	17.75	22.45	21	18.5	22.9
			50	24	50	24	20.63	17.57	22.37	21	18.5	22.9
			50	50	50	50	20.64	17.65	22.41	21	18.5	22.9
21350	20300	QPSK	100	0	100	0	20.62	17.68	22.40	21	18.5	22.9

PCC:Ant 3 SCC:Ant 0

Tune up Power (dBm)

CA 4A-7A												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
			RB Size	RB offset	RB Size	RB offset						
20050	20850	QPSK	1	0	1	0	17.64	20.57	22.36	22	22	25.0
			1	49	1	49	17.58	20.49	22.28	22	22	25.0
			1	99	1	99	17.57	20.37	22.20	22	22	25.0
			50	0	50	0	17.71	20.63	22.42	22	22	25.0
			50	24	50	24	17.51	20.55	22.30	22	22	25.0
			50	50	50	50	17.51	20.46	22.24	22	22	25.0
			100	0	100	0	17.58	20.52	22.30	22	22	25.0
			1	0	1	0	17.66	20.65	22.42	22	22	25.0
			1	49	1	49	17.65	20.57	22.36	22	22	25.0
			1	99	1	99	17.64	20.46	22.29	22	22	25.0
20175	21100	QPSK	50	0	50	0	17.78	20.72	22.50	22	22	25.0
			50	24	50	24	17.66	20.68	22.44	22	22	25.0
			50	50	50	50	17.62	20.52	22.32	22	22	25.0
			100	0	100	0	17.65	20.67	22.43	22	22	25.0
			1	0	1	0	17.59	20.57	22.34	22	22	25.0
			1	49	1	49	17.56	20.56	22.32	22	22	25.0
			1	99	1	99	17.58	20.35	22.19	22	22	25.0
			50	0	50	0	17.68	20.62	22.40	22	22	25.0
			50	24	50	24	17.57	20.62	22.37	22	22	25.0
			50	50	50	50	17.49	20.40	22.19	22	22	25.0
20300	21350	QPSK	100	0	100	0	17.62	20.64	22.40	22	22	25.0

PCC:Ant 5 SCC:Ant 1

Tune up Power (dBm)

CA 7A-4A												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
			RB Size	RB offset	RB Size	RB offset						
20850	20050	QPSK	1	0	1	0	20.10	21.49	23.86	22	22	25.0
			1	49	1	49	20.07	21.47	23.84	22	22	25.0
			1	99	1	99	20.15	21.38	23.82	22	22	25.0
			50	0	50	0	20.20	21.43	23.87	22	22	25.0
			50	24	50	24	20.01	21.41	23.78	22	22	25.0
			50	50	50	50	20.20	21.23	23.76	22	22	25.0
			100	0	100	0	20.07	21.56	23.89	22	22	25.0
			1	0	1	0	20.23	21.59	23.97	22	22	25.0
			1									



UL CA

Full Power																			
2CC																			
Configure	CA Configuration (BCS)	PCC							SCC				Power						
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)			
Inter-Band	CA_7A-32A	Band 7	20M	2560	21350	QPSK	1	49	Band 32	20M	1474	10140	24.22	24.24	24.22	24.24			
	CA_7A-42A	Band 7	20M	2560	21350	QPSK	1	49	Band 41	20M	3575	43340	24.14	24.24	24.14	24.24			
	CA_2A-66A	Band 2	20M	1900	19100	QPSK	1	49	Band 66	20M	2155	66886	23.98	23.99	23.98	23.99			
Intra-Band	Non-Contiguous	CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.8	40818	25.03	25.24	25.03	25.24		
		CA_2C	Band 2	20M	1900	19100	QPSK	1	49	Band 2	20M	1960.20	902	23.97	23.99	23.97	23.99		
	Contiguous	CA_38C	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	2590.20	37952	24.61	24.77	24.61	24.77		
		CA_41C	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.80	40818	24.97	25.24	24.97	25.24		

3CC																			
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-Band	CA_2A-4A-5A	Band 2	20M	1900	19100	QPSK	1	49	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.72	23.99	
	CA_2A-4A-7A	Band 2	20M	1900	19100	QPSK	1	49	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.64	23.99	
	CA_2A-7A-7A	Band 2	20M	1900	19100	QPSK	1	49	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.70	23.99	
	CA_5A-7A-7A	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.67	24.87	
	CA_12A-66A-66A	Band 12	10M	704	23060	QPSK	1	25	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	24.24	24.71	

4CC																						
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3		Power			
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_2A-4A-7C	Band 2	20M	1900	19100	QPSK	1	49	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.78	23.99
	CA_5A-7C-66A	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	24.72	24.87
	CA_5A-7A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2655	3100	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	24.69	24.87
	CA_7C-66A-66A	Band 7	20M	2560	21350	QPSK	1	49	Band 7	20M	2660.2	3152	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.31	24.24



n7_Ant 3(Default)									
Ev (MHz)	Modulation	RIS Size	RIS Offset	Power Level Ch. 1/Freq.	Power Level Ch. 2/Freq.	Power Level Ch. 3/Freq.	Time-up time (min)	MPI (dB)	MPI (dB)
Channel									
Frequency (MHz)									
50	PPO BPSK	1	1	23.56	23.42	23.56	24.5	0.0	0.0
50	PPO BPSK	1	136	23.60	23.48	23.76	24.5	0.0	0.0
50	PPO BPSK	1	266	23.64	23.50	23.78	24.5	0.0	0.0
50	PPO BPSK	136	3	23.68	23.56	23.84	24.5	0.0	0.0
50	PPO BPSK	136	136	23.72	23.60	23.88	24.5	0.0	0.0
50	PPO BPSK	266	3	23.76	23.64	23.92	24.5	0.0	0.0
50	PPO BPSK	266	136	23.80	23.68	23.96	24.5	0.0	0.0
50	QPSK	1	136	23.84	23.72	23.92	24.5	0.0	0.0
50	QPSK	1	266	23.88	23.76	23.96	24.5	0.0	0.0
50	QPSK	136	3	23.92	23.80	23.96	24.5	0.0	0.0
50	QPSK	136	136	23.96	23.84	24.00	24.5	0.0	0.0
50	QPSK	266	3	24.00	23.88	24.00	24.5	0.0	0.0
50	QPSK	266	136	24.04	23.92	24.04	24.5	0.0	0.0
50	QPSK	136	266	24.08	23.96	24.08	24.5	0.0	0.0
50	QPSK	136	266	24.12	24.00	24.12	24.5	0.0	0.0
50	QPSK	266	136	24.16	24.04	24.16	24.5	0.0	0.0
50	QPSK	266	266	24.20	24.08	24.20	24.5	0.0	0.0
50	QPSK	136	266	24.24	24.12	24.24	24.5	0.0	0.0
50	QPSK	266	136	24.28	24.16	24.28	24.5	0.0	0.0
50	QPSK	266	266	24.32	24.20	24.32	24.5	0.0	0.0
50	QPSK	136	266	24.36	24.24	24.36	24.5	0.0	0.0
50	QPSK	266	136	24.40	24.28	24.40	24.5	0.0	0.0
50	QPSK	266	266	24.44	24.32	24.44	24.5	0.0	0.0
50	QPSK	136	266	24.48	24.36	24.48	24.5	0.0	0.0
50	QPSK	266	136	24.52	24.40	24.52	24.5	0.0	0.0
50	QPSK	266	266	24.56	24.44	24.56	24.5	0.0	0.0
50	QPSK	136	266	24.60	24.48	24.60	24.5	0.0	0.0
50	QPSK	266	136	24.64	24.52	24.64	24.5	0.0	0.0
50	QPSK	266	266	24.68	24.56	24.68	24.5	0.0	0.0
50	QPSK	136	266	24.72	24.60	24.72	24.5	0.0	0.0
50	QPSK	266	136	24.76	24.64	24.76	24.5	0.0	0.0
50	QPSK	266	266	24.80	24.68	24.80	24.5	0.0	0.0
50	QPSK	136	266	24.84	24.72	24.84	24.5	0.0	0.0
50	QPSK	266	136	24.88	24.76	24.88	24.5	0.0	0.0
50	QPSK	266	266	24.92	24.80	24.92	24.5	0.0	0.0
50	QPSK	136	266	24.96	24.84	24.96	24.5	0.0	0.0
50	QPSK	266	136	25.00	24.88	25.00	24.5	0.0	0.0
50	QPSK	266	266	25.04	24.92	25.04	24.5	0.0	0.0
50	QPSK	136	266	25.08	24.96	25.08	24.5	0.0	0.0
50	QPSK	266	136	25.12	25.00	25.12	24.5	0.0	0.0
50	QPSK	266	266	25.16	25.04	25.16	24.5	0.0	0.0
50	QPSK	136	266	25.20	25.08	25.20	24.5	0.0	0.0
50	QPSK	266	136	25.24	25.12	25.24	24.5	0.0	0.0
50	QPSK	266	266	25.28	25.16	25.28	24.5	0.0	0.0
50	QPSK	136	266	25.32	25.20	25.32	24.5	0.0	0.0
50	QPSK	266	136	25.36	25.24	25.36	24.5	0.0	0.0
50	QPSK	266	266	25.40	25.28	25.40	24.5	0.0	0.0
50	QPSK	136	266	25.44	25.32	25.44	24.5	0.0	0.0
50	QPSK	266	136	25.48	25.36	25.48	24.5	0.0	0.0
50	QPSK	266	266	25.52	25.40	25.52	24.5	0.0	0.0
50	QPSK	136	266	25.56	25.44	25.56	24.5	0.0	0.0
50	QPSK	266	136	25.60	25.48	25.60	24.5	0.0	0.0
50	QPSK	266	266	25.64	25.52	25.64	24.5	0.0	0.0
50	QPSK	136	266	25.68	25.56	25.68	24.5	0.0	0.0
50	QPSK	266	136	25.72	25.60	25.72	24.5	0.0	0.0
50	QPSK	266	266	25.76	25.64	25.76	24.5	0.0	0.0
50	QPSK	136	266	25.80	25.68	25.80	24.5	0.0	0.0
50	QPSK	266	136	25.84	25.72	25.84	24.5	0.0	0.0
50	QPSK	266	266	25.88	25.76	25.88	24.5	0.0	0.0
50	QPSK	136	266	25.92	25.80	25.92	24.5	0.0	0.0
50	QPSK	266	136	25.96	25.84	25.96	24.5	0.0	0.0
50	QPSK	266	266	26.00	25.88	26.00	24.5	0.0	0.0
50	QPSK	136	266	26.04	25.92	26.04	24.5	0.0	0.0
50	QPSK	266	136	26.08	25.96	26.08	24.5	0.0	0.0
50	QPSK	266	266	26.12	26.00	26.12	24.5	0.0	0.0
50	QPSK	136	266	26.16	26.04	26.16	24.5	0.0	0.0
50	QPSK	266	136	26.20	26.08	26.20	24.5	0.0	0.0
50	QPSK	266	266	26.24	26.12	26.24	24.5	0.0	0.0
50	QPSK	136	266	26.28	26.16	26.28	24.5	0.0	0.0
50	QPSK	266	136	26.32	26.20	26.32	24.5	0.0	0.0
50	QPSK	266	266	26.36	26.24	26.36	24.5	0.0	0.0
50	QPSK	136	266	26.40	26.28	26.40	24.5	0.0	0.0
50	QPSK	266	136	26.44	26.32	26.44	24.5	0.0	0.0
50	QPSK	266	266	26.48	26.36	26.48	24.5	0.0	0.0
50	QPSK	136	266	26.52	26.40	26.52	24.5	0.0	0.0
50	QPSK	266	136	26.56	26.44	26.56	24.5	0.0	0.0
50	QPSK	266	266	26.60	26.48	26.60	24.5	0.0	0.0
50	QPSK	136	266	26.64	26.52	26.64	24.5	0.0	0.0
50	QPSK	266	136	26.68	26.56	26.68	24.5	0.0	0.0
50	QPSK	266	266	26.72	26.60	26.72	24.5	0.0	0.0
50	QPSK	136	266	26.76	26.64	26.76	24.5	0.0	0.0
50	QPSK	266	136	26.80	26.68	26.80	24.5	0.0	0.0
50	QPSK	266	266	26.84	26.72	26.84	24.5	0.0	0.0
50	QPSK	136	266	26.88	26.76	26.88	24.5	0.0	0.0
50	QPSK	266	136	26.92	26.80	26.92	24.5	0.0	0.0
50	QPSK	266	266	26.96	26.84	26.96	24.5	0.0	0.0
50	QPSK	136	266	27.00	26.88	27.00	24.5	0.0	0.0
50	QPSK	266	136	27.04	26.92	27.04	24.5	0.0	0.0
50	QPSK	266	266	27.08	26.96	27.08	24.5	0.0	0.0
50	QPSK	136	266	27.12	27.00	27.12	24.5	0.0	0.0
50	QPSK	266	136	27.16	27.04	27.16	24.5	0.0	0.0
50	QPSK	266	266	27.20	27.08	27.20	24.5	0.0	0.0
50	QPSK	136	266	27.24	27.12	27.24	24.5	0.0	0.0
50	QPSK	266	136	27.28	27.16	27.28	24.5	0.0	0.0
50	QPSK	266	266	27.32	27.20	27.32	24.5	0.0	0.0
50	QPSK	136	266	27.36	27.24	27.36	24.5	0.0	0.0
50	QPSK	266	136	27.40	27.28	27.40	24.5	0.0	0.0
50	QPSK	266	266	27.44	27.32	27.44	24.5	0.0	0.0
50	QPSK	136	266	27.48	27.36	27.48	24.5	0.0	0.0
50	QPSK	266	136	27.52	27.40	27.52	24.5	0.0	0.0
50	QPSK	266	266	27.56	27.44	27.56	24.5	0.0	0.0
50	QPSK	136	266	27.60	27.48	27.60	24.5	0.0	0.0
50	QPSK	266	136	27.64	27.52	27.64	24.5	0.0	0.0
50	QPSK	266	266	27.68	27.56	27.68	24.5	0.0	0.0
50	QPSK	136	266	27.72	27.60	27.72	24.5	0.0	0.0
50	QPSK	266	136	27.76	27.64	27.76	24.5	0.0	0.0
50	QPSK	266	266	27.80	27.68	27.80	24.5	0.0	0.0
50	QPSK	136	266	27.84	27.72	27.84	24.5	0.0	0.0
50	QPSK	266	136	27.88	27.76	27.88	24.5	0.0	0.0
50	QPSK	266	266	27.92	27.80	27.92	24.5	0.0	0.0
50	QPSK	136	266	27.96	27.84	27.96	24.5	0.0	0.0
50	QPSK	266	136	28.00	27.88	28.00	24.5	0.0	0.0
50	QPSK	266	266	28.04	27.92	28.04	24.5	0.0	0.0
50	QPSK	136	266	28.08	27.96	28.08	24.5	0.0	0.0
50	QPSK	266	136	28.12	28.00	28.12	24.5	0.0	0.0
50	QPSK	266	266	28.16	28.04	28.16	24.5	0.0	0.0
50	QPSK	136	266	28.20	28.08	28.20	24.5	0.0	0.0
50	QPSK	266	136	28.24	28.12	28.24	24.5	0.0	0.0
50	QPSK	266	266	28.28	28.16	28.28	24.5	0.0	0.0
50	QPSK	136	266	28.32	28.20	28.32	24.5	0.0	0.0
50	QPSK	266	136	28.36	28.24	28.36	24.5	0.0	0.0
50	QPSK	266	266	28.40	28.28	28.40	24.5	0.0	0.0
50	QPSK	136	266	28.44	28.32	28.44	24.5	0.0	0.0
50	QPSK	266	136	28.48	28.36	28.48	24.5	0.0	0.0
50	QPSK	266	266	28.52	28.40	28.52	24.5	0.0	0.0
50	QPSK	136	266	28.56	28.44	28.56	24.5	0.0	0.0
50	QPSK	266	136	28.60	28.48	28.60	24.5	0.0	0.0
50	QPSK	266	266	28.64	28.52	28.64	24.5	0.0	0.0
50	QPSK	136	266	28.68	28.56	28.68	24.5	0.0	0.0
50	QPSK	266	136	28.72	28.60	28.72	24.5	0.0	0.0
50	QPSK	266	266	28.76	28.64	28.76	24.5	0.0	0.0
50	QPSK	136	266	28.80	28.68	28.80	24.5	0.0	0.0
50	QPSK	266	136	28.84	28.72	28.84	24.5	0.0	0.0
50	QPSK	266	266	28.88	28.7				



n5_Ant 0(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MFR (dB)	FRP (dB)
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	24.41	24.44	24.43			
20	PI2-BPSK	1	63	24.52	24.67	24.61	25.5	0.0	
20	PI2-BPSK	1	104	24.42	24.45	24.44			
20	PI2-BPSK	50	5	24.57	24.52	24.51	25.0	0.5	
20	PI2-BPSK	50	26	24.58	24.59	24.58	25.5	0.0	
20	PI2-BPSK	50	66	24.59	24.56	24.59	25.9	0.5	
20	PI2-BPSK	100	0	24.57	24.60	24.59			
20	QPSK	1	1	24.35	24.38	24.37			
20	QPSK	1	63	24.56	24.53	24.52	25.5	0.0	
20	QPSK	1	104	24.32	24.36	24.35			
20	QPSK	50	5	24.50	24.55	24.54	24.5	1.0	
20	QPSK	50	26	24.45	24.48	24.47	25.5	0.0	
20	QPSK	50	66	24.43	24.46	24.45	24.5	1.0	
20	QPSK	100	0	24.47	24.50	24.49			
20	HQAM	1	1	22.07	22.10	22.09	24.5	1.0	
20	HQAM	1	1	21.68	21.71	21.70	22.0	0.5	
20	SSBQAM	1	1	21.14	20.21	20.21	21.0	4.5	
Channel									
Frequency (MHz)									
15	PI2-BPSK	1	1	18.41	18.32	18.39	25.0	0.0	
Channel									
Frequency (MHz)									
10	PI2-BPSK	1	1	18.40	18.30	18.30			
Channel									
Frequency (MHz)									
5	PI2-BPSK	1	1	18.44	18.51	18.51			

n5_Ant 2(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MFR (dB)	FRP (dB)
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	19.44	19.51	19.46			
20	PI2-BPSK	1	63	19.63	19.78	19.68	21.0	0.0	
20	PI2-BPSK	1	104	19.25	19.55	19.47			
20	PI2-BPSK	50	5	19.67	19.71	19.67	21.0	0.0	
20	PI2-BPSK	50	26	19.62	19.77	19.65	21.0	0.0	
20	PI2-BPSK	50	66	19.70	19.56	19.56			
20	PI2-BPSK	100	0	19.74	19.78	19.61			
20	QPSK	1	1	19.22	19.38	19.34			
20	QPSK	1	63	19.62	19.65	19.65	21.0	0.0	
20	QPSK	1	104	19.40	19.48	19.35			
20	QPSK	50	5	19.60	19.62	19.46	21.0	0.0	
20	QPSK	50	26	19.53	19.52	19.50	21.0	0.0	
20	QPSK	50	66	19.62	19.46	19.38	21.0	0.0	
20	QPSK	100	0	19.64	19.64	19.45			
20	HQAM	1	1	17.30	17.31	17.30	20.0	1.0	
20	HQAM	1	1	17.20	17.34	17.20	20.0	1.0	
20	SSBQAM	1	1	16.25	16.37	16.25	20.0	1.0	
Channel									
Frequency (MHz)									
15	PI2-BPSK	1	1	17.30	17.42	17.34	21.0	0.0	
Channel									
Frequency (MHz)									
10	PI2-BPSK	1	1	17.23	17.46	17.30	21.0	0.0	
Channel									
Frequency (MHz)									
5	PI2-BPSK	1	1	17.32	17.44	17.30	21.0	0.0	

n7_Ant 0(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MFR (dB)	FRP (dB)
Channel									
Frequency (MHz)									
60	PI2-BPSK	1	1	23.27	23.42	23.38			
60	PI2-BPSK	1	135	23.69	23.66	23.77	24.5	0.0	
60	PI2-BPSK	1	269	23.69	23.58	23.57			
60	PI2-BPSK	135	5	23.53	23.50	23.78	24.0	0.5	
60	PI2-BPSK	135	66	23.72	23.70	23.70	24.5	0.0	
60	PI2-BPSK	135	136	23.28	23.22	23.74			
60	PI2-BPSK	270	5	23.14	23.08	23.21	24.0	0.5	
60	QPSK	1	1	23.12	23.22	23.15			
60	QPSK	1	135	23.64	23.62	23.61	24.5	0.0	
60	QPSK	1	269	23.60	23.52	23.41			
60	QPSK	135	5	23.57	23.51	23.46	24.5	1.0	
60	QPSK	135	66	23.63	23.73	23.67	24.5	1.0	
60	QPSK	135	135	23.62	23.72	23.65	23.5	1.0	
60	QPSK	270	5	22.52	22.56	22.54	24.5	1.0	
60	HQAM	1	1	21.65	22.02	22.01	23.5	1.0	
60	HQAM	1	1	20.21	20.44	20.21	22.0	0.5	
60	SSBQAM	1	1	18.20	18.22	18.15	20.0	4.5	
Channel									
Frequency (MHz)									
40	PI2-BPSK	1	1	23.30	23.30	23.20	24.5	0.0	
Channel									
Frequency (MHz)									
30	PI2-BPSK	1	1	23.28	23.34	23.34	24.5	0.0	
Channel									
Frequency (MHz)									
40	PI2-BPSK	1	1	23.27	23.34	23.33	24.5	0.0	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	23.25	23.30	23.25	24.5	0.0	
Channel									
Frequency (MHz)									
15	PI2-BPSK	1	1	23.32	23.36	23.30	24.5	0.0	
Channel									
Frequency (MHz)									
10	PI2-BPSK	1	1	23.33	23.33	23.23	24.5	0.0	
Channel									
Frequency (MHz)									
5	PI2-BPSK	1	1	23.32	23.36	23.20	24.5	0.0	

n7_Ant 1(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MFR (dB)	FRP (dB)
Channel									
Frequency (MHz)									
60	PI2-BPSK	1	1	23.86	23.80	24.00			
60	PI2-BPSK	1	135	24.12	24.33	24.25	25.0	0.0	
60	PI2-BPSK	1	269	23.98	24.11	24.14			
60	PI2-BPSK	135	5	23.85	23.78	23.80	24.5	0.5	
60	PI2-BPSK	135	66	24.06	24.10	24.10	25.0	0.0	
60	PI2-BPSK	135	136	23.76	23.88	23.84			
60	PI2-BPSK	270	5	23.69	23.75	23.60	24.5	0.5	
60	QPSK	1	1	23.83	24.05	24.10			
60	QPSK	1	135	24.12	24.33	24.25	25.0	0.0	
60	QPSK	1	269	23.98	24.09	24.11			
60	QPSK	135	5	23.85	23.78	23.79	24.0	1.0	
60	QPSK	135	66	24.22	24.31	24.33	25.0	1.0	
60	QPSK	135	135	23.98	23.98	23.44	24.0	1.0	
60	QPSK	270	5	23.76	23.78	23.79	24.0	1.0	
60	HQAM	1	1	22.37	22.58	22.58	24.0	1.0	
60	HQAM	1	1	20.96	21.05	21.03	23.5	0.5	
60	SSBQAM	1	1	19.55	19.65	19.53	20.5	4.5	
Channel									
Frequency (MHz)									
40	PI2-BPSK	1	1	23.90	24.04	24.12	25.0	0.0	
Channel									
Frequency (MHz)									
30	PI2-BPSK	1	1	23.87	23.84	24.07	25.0	0.0	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	23.70	23.81	23.83	25.0	0.0	
Channel									
Frequency (MHz)									
15	PI2-BPSK	1	1	23.79	23.95	24.07	25.0	0.0	
Channel									
Frequency (MHz)									
10	PI2-BPSK	1	1	23.91	24.10	24.22	25.0	0.0	
Channel									
Frequency (MHz)									
5	PI2-BPSK	1	1	23.79	24.02	24.00	25.0	0.0	



n7_Ant 3(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up Int. (min)	MFR (dB)
Channel									
Frequency (MHz)									
80	PUSC BPSK	1	1	13.27	13.40	13.43	13.56		
80	PUSC BPSK	1	1	13.65	13.83	13.72	14.5	0.0	
80	PUSC BPSK	1	1	13.80	13.22	13.21			
80	PUSC BPSK	155	5	13.50	13.56	13.54	14.5	0.0	
80	PUSC BPSK	155	48	13.80	13.86	13.88	14.5	0.0	
80	PUSC BPSK	155	158	13.86	13.81	13.84			
80	PUSC BPSK	210	5	13.58	13.54	13.51	14.5	0.0	
80	QPSK	1	1	13.41	13.33	13.33			
80	QPSK	1	155	13.57	13.51	13.58	14.5	0.0	
80	QPSK	1	168	13.22	13.27	13.18			
80	QPSK	155	5	13.28	13.46	13.4	14.5	0.0	
80	QPSK	155	48	13.47	13.53	13.55	14.5	0.0	
80	QPSK	155	155	13.23	13.27	13.26	14.5	0.0	
80	QPSK	210	1	13.48	13.42	13.45	14.5	0.0	
80	HSFQAM	1	1	13.13	13.27	13.11	14.5	0.0	
80	HSFQAM	1	1	13.63	13.73	13.65	14.5	0.0	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	13.43	13.40	13.20	14.5	0.0	
Channel									
Frequency (MHz)									
30	PUSC BPSK	1	1	13.45	13.43	13.20	14.5	0.0	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	13.41	13.33	13.23	14.5	0.0	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	13.51	13.36	13.38	14.5	0.0	
Channel									
Frequency (MHz)									
15	PUSC BPSK	1	1	13.41	13.38	13.35	14.5	0.0	
Channel									
Frequency (MHz)									
10	PUSC BPSK	1	1	13.50	13.40	13.35	14.5	0.0	
Channel									
Frequency (MHz)									
5	PUSC BPSK	1	1	13.51	13.35	13.35	14.5	0.0	

n7_Ant 5(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up Int. (min)	MFR (dB)
Channel									
Frequency (MHz)									
80	PUSC BPSK	1	1	14.07	14.26	14.21			
80	PUSC BPSK	1	155	14.48	14.51	14.53	15.5	0.0	
80	PUSC BPSK	1	168	14.21	14.18	14.16			
80	PUSC BPSK	155	5	14.04	14.04	14.30	15.5	0.0	
80	PUSC BPSK	155	48	14.30	14.49	14.54	15.5	0.0	
80	PUSC BPSK	155	158	14.46	14.46	14.43			
80	PUSC BPSK	210	5	14.42	14.38	14.45	15.5	0.0	
80	QPSK	1	1	14.12	14.14	14.15			
80	QPSK	1	155	14.40	14.40	14.40	15.5	0.0	
80	QPSK	1	168	14.18	14.10	14.03			
80	QPSK	155	5	14.05	14.06	14.31	15.5	0.0	
80	QPSK	155	48	14.30	14.37	14.43	15.5	0.0	
80	QPSK	155	155	14.37	14.34	14.37	15.5	0.0	
80	QPSK	210	1	14.06	14.31	14.30	15.5	0.0	
80	HSFQAM	1	1	13.85	14.04	13.91	15.5	0.0	
80	HSFQAM	1	1	14.45	14.52	14.45	15.5	0.0	
80	HSFQAM	1	1	14.39	14.45	14.37	15.5	0.0	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	14.12	14.15	14.11	15.5	0.0	
Channel									
Frequency (MHz)									
30	PUSC BPSK	1	1	14.15	14.16	14.11	15.5	0.0	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	14.15	14.16	14.11	15.5	0.0	
Channel									
Frequency (MHz)									
15	PUSC BPSK	1	1	14.15	14.16	14.11	15.5	0.0	
Channel									
Frequency (MHz)									
10	PUSC BPSK	1	1	14.20	14.12	14.09	15.5	0.0	
Channel									
Frequency (MHz)									
5	PUSC BPSK	1	1	14.18	14.10	14.08	15.5	0.0	

n66_Ant 0(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up Int. (min)	MFR (dB)
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	22.25	22.34	22.14			
40	PUSC BPSK	1	158	22.64	22.78	22.85	24.0	0.0	
40	PUSC BPSK	1	214	22.21	22.31	22.22			
40	PUSC BPSK	158	5	22.52	22.53	22.41	23.5	0.5	
40	PUSC BPSK	158	34	22.84	22.87	22.89	24.0	0.0	
40	PUSC BPSK	158	158	22.41	22.52	22.51			
40	PUSC BPSK	216	5	22.50	22.58	22.48	23.5	0.5	
40	QPSK	1	1	22.27	22.42	22.40			
40	QPSK	1	158	22.56	22.66	22.81	24.0	0.0	
40	QPSK	1	214	22.15	22.32	22.29			
40	QPSK	158	5	21.81	21.89	21.84	23.0	1.0	
40	QPSK	158	34	22.45	22.85	22.85	24.0	0.0	
40	QPSK	158	158	21.92	21.96	21.84	23.0	1.0	
40	QPSK	216	1	21.87	21.87	21.89	23.0	1.0	
40	HSFQAM	1	1	21.14	21.37	21.29	23.0	1.0	
40	HSFQAM	1	1	18.76	19.84	19.84	23.0	2.5	
40	HSFQAM	1	1	18.33	18.43	18.35	23.0	4.5	
Channel									
Frequency (MHz)									
30	PUSC BPSK	1	1	22.10	22.35	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	22.08	22.30	21.67	24.0	0.0	
Channel									
Frequency (MHz)									
15	PUSC BPSK	1	1	22.17	22.25	22.23	24.0	0.0	
Channel									
Frequency (MHz)									
10	PUSC BPSK	1	1	22.16	22.16	22.16	24.0	0.0	
Channel									
Frequency (MHz)									
5	PUSC BPSK	1	1	22.36	22.34	21.84	24.0	0.0	

n66_Ant 5(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up Int. (min)	MFR (dB)
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	17.70	17.45	17.60			
40	PUSC BPSK	1	158	18.41	18.47	18.40	17.0	0.0	
40	PUSC BPSK	1	214	18.50	18.87	18.88			
40	PUSC BPSK	158	5	18.28	18.34	18.42	17.0	0.0	
40	PUSC BPSK	158	34	18.38	18.48	18.45	17.0	0.0	
40	PUSC BPSK	158	158	18.35	18.28	18.46			
40	PUSC BPSK	216	5	18.38	18.50	18.38	17.0	0.0	
40	QPSK	1	1	18.75	18.81	18.80			
40	QPSK	1	158	18.29	18.42	18.28	17.0	0.0	
40	QPSK	1	214	18.80	18.71	18.82			
40	QPSK	158	5	18.30	18.28	18.36	17.0	0.0	
40	QPSK	158	34	18.31	18.50	18.52	17.0	0.0	
40	QPSK	158	158	18.30	18.12	18.28	17.0	0.0	
40	HSFQAM	1	1	18.23	18.25	18.23	17.0	0.0	
40	HSFQAM	1	1	18.50	18.40	18.53	17.0	0.0	
40	HSFQAM	1	1	18.56	18.56	18.56	17.0	0.0	
40	HSFQAM	1	1	18.12	18.25	18.14	17.0	0.0	
Channel									
Frequency (MHz)									
30	PUSC BPSK	1	1	18.77	18.74	18.73	17.0	0.0	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	18.70	18.40	18.75	17.0	0.0	
Channel									
Frequency (MHz)									
15	PUSC BPSK	1	1	18.73	18.52	18.71	17.0	0.0	
Channel									
Frequency (MHz)									
10	PUSC BPSK	1	1	18.77	18.75	18.77	17.0	0.5	
Channel									
Frequency (MHz)									
5	PUSC BPSK	1	1	18.71	18.75	18.81	17.0	0.0	



n5_Ant 0(DS1)									
SV (MHz)	Multicast	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Time-up time (min)	EMT (dB)
Channel									
Frequency (MHz)									
50	PW BPSK	1	1	22.25	22.27	22.29			
50	PW BPSK	1	33	22.45	22.44	22.43		23.5	0.0
50	PW BPSK	1	104	22.45	22.41	22.35			
50	PW BPSK	50	0	22.28	22.11	22.12	22.53	0.0	
50	PW BPSK	50	20	22.42	22.41	22.40		23.5	0.0
50	PW BPSK	50	56	22.52	22.19	22.15		23.5	0.0
50	PW BPSK	100	0	22.20	22.32	22.18			
50	QPSK	1	1	22.20	22.20	22.19			
50	QPSK	1	33	22.44	22.41	22.47		23.5	0.0
50	QPSK	1	104	22.25	22.25	22.25			
50	QPSK	50	0	22.15	22.02	22.11	22.53	0.0	
50	QPSK	50	20	22.25	22.20	22.20		23.5	0.0
50	QPSK	50	56	22.05	22.04	22.05		23.5	0.0
50	QPSK	100	0	22.18	22.20	22.22			
50	SCDMA	1	1	22.25	22.15	22.05		23.5	0.0
50	SCDMA	1	1	21.77	21.85	21.85	22.0	2.0	1.5
50	SCDMA	1	1	20.38	20.21	20.14		23.0	2.5
Channel									
Frequency (MHz)									
15	PW BPSK	1	1	22.28	22.30	22.18	22.5	0.0	
Channel									
Frequency (MHz)									
10	PW BPSK	1	1	22.48	22.54	22.20	22.5	0.0	
Channel									
Frequency (MHz)									
5	PW BPSK	1	1	22.41	22.32	22.24	23.5	0.0	

n5_Ant 2(DS1)									
SV (MHz)	Multicast	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Time-up time (min)	EMT (dB)
Channel									
Frequency (MHz)									
50	PW BPSK	1	1	20.04	20.03	20.03			
50	PW BPSK	1	33	20.01	20.07	20.05		22.0	0.0
50	PW BPSK	1	104	20.01	20.01	20.01			
50	PW BPSK	50	0	20.77	20.28	20.72	22.0	0.0	
50	PW BPSK	50	20	20.01	20.01	20.01		22.0	0.0
50	PW BPSK	50	56	20.01	20.01	20.01		22.0	0.0
50	PW BPSK	100	0	20.06	20.01	20.05			
50	QPSK	1	1	20.04	20.00	20.02		22.0	0.0
50	QPSK	1	33	20.02	20.00	20.04		22.0	0.0
50	QPSK	1	104	20.00	20.01	20.00			
50	QPSK	50	0	20.00	20.02	20.00	22.0	0.0	
50	QPSK	50	20	20.01	20.00	20.01	22.0	0.0	
50	QPSK	50	56	20.05	20.06	20.05	22.0	0.0	
50	QPSK	100	0	20.10	20.08	20.10			
50	SCDMA	1	1	20.11	20.05	20.11	22.0	0.0	
50	SCDMA	1	1	20.40	20.40	20.39	22.0	0.0	
50	SCDMA	1	1	19.28	19.43	19.31	20.5	1.5	
Channel									
Frequency (MHz)									
15	PW BPSK	1	1	20.08	20.11	20.10	22.0	0.0	
Channel									
Frequency (MHz)									
10	PW BPSK	1	1	20.10	20.10	20.11	22.0	0.0	
Channel									
Frequency (MHz)									
5	PW BPSK	1	1	20.04	20.02	20.05	22.0	0.0	

n7_Ant 0(DS1)									
SV (MHz)	Multicast	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Time-up time (min)	EMT (dB)
Channel									
Frequency (MHz)									
50	PW BPSK	1	1	21.16	21.23	21.20			
50	PW BPSK	1	130	21.11	21.48	21.20		22.5	0.0
50	PW BPSK	1	398	21.15	21.25	21.25			
50	PW BPSK	130	0	21.17	21.13	21.16	22.0	0.0	
50	PW BPSK	130	20	21.43	21.43	21.43	22.0	0.0	
50	PW BPSK	130	130	21.09	21.10	21.09	22.0	0.0	
50	PW BPSK	270	0	21.27	21.26	21.26			
50	QPSK	1	1	21.06	21.14	21.09		22.5	0.0
50	QPSK	1	130	21.40	21.41	21.40		22.5	0.0
50	QPSK	1	398	21.14	21.22	21.21			
50	QPSK	130	0	21.18	21.11	21.12	22.0	0.0	
50	QPSK	130	20	21.31	21.41	21.30	22.0	0.0	
50	QPSK	130	130	21.01	21.05	21.05	22.0	0.0	
50	QPSK	270	0	21.25	21.25	21.25			
50	QPSK	1	1	20.10	20.05	20.10	22.0	0.0	
50	SCDMA	1	1	20.02	20.08	20.05	22.0	0.0	
50	SCDMA	1	1	19.10	19.14	19.20	20.0	2.5	
Channel									
Frequency (MHz)									
40	PW BPSK	1	1	21.15	21.10	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
30	PW BPSK	1	1	21.17	21.11	21.17	22.0	0.0	
Channel									
Frequency (MHz)									
25	PW BPSK	1	1	21.13	21.09	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
20	PW BPSK	1	1	21.01	21.08	21.04	22.0	0.0	
Channel									
Frequency (MHz)									
15	PW BPSK	1	1	21.10	21.10	21.12	22.0	0.0	
Channel									
Frequency (MHz)									
10	PW BPSK	1	1	21.15	21.10	21.15	22.0	0.0	
Channel									
Frequency (MHz)									
5	PW BPSK	1	1	21.11	21.14	21.11	22.0	0.0	

n7_Ant 1(DS1)									
SV (MHz)	Multicast	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Time-up time (min)	EMT (dB)
Channel									
Frequency (MHz)									
50	PW BPSK	1	1	18.72	18.73	18.72			
50	PW BPSK	1	130	18.71	18.70	18.72		18.0	0.0
50	PW BPSK	1	398	18.70	18.70	18.72			
50	PW BPSK	130	0	18.72	18.72	18.71	18.0	0.0	
50	PW BPSK	130	20	18.96	18.96	18.96		18.0	0.0
50	PW BPSK	130	130	18.94	18.92	18.97		18.0	0.0
50	PW BPSK	270	0	18.78	18.80	18.80			
50	QPSK	1	1	18.71	18.72	18.64			
50	QPSK	1	130	18.74	18.70	18.72		18.0	0.0
50	QPSK	1	398	18.71	18.70	18.74			
50	QPSK	130	0	18.72	18.69	18.74	18.0	0.0	
50	QPSK	130	20	18.86	18.80	18.80	18.0	0.0	
50	QPSK	130	130	18.90	18.87	18.87	18.0	0.0	
50	QPSK	270	0	18.88	18.78	18.80			
50	QPSK	1	1	18.70	18.61	18.70	18.0	0.0	
50	SCDMA	1	1	18.20	18.41	18.30	18.0	0.0	
50	SCDMA	1	1	18.20	18.30	18.18	18.0	0.0	
50	SCDMA	1	1	18.73	18.83	18.77	18.0	0.0	
Channel									
Frequency (MHz)									
40	PW BPSK	1	1	18.74	18.77	18.83	18.0	0.0	
Channel									
Frequency (MHz)									
30	PW BPSK	1	1	18.71	18.65	18.70	18.0	0.0	
Channel									
Frequency (MHz)									
25	PW BPSK	1	1	18.75	18.73	18.74	18.0	0.0	
Channel									
Frequency (MHz)									
20	PW BPSK	1	1	18.67	18.59	18.81	18.0	0.0	
Channel									
Frequency (MHz)									
15	PW BPSK	1	1	18.63	18.60	18.62	18.0	0.0	
Channel									
Frequency (MHz)									
10	PW BPSK	1	1	18.77	18.71	18.73	18.0	0.0	
Channel									
Frequency (MHz)									
5	PW BPSK	1	1	18.66	18.74	18.62	18.0	0.0	



n7_Ant 3(DS1)									
SV (MHz)	Modulation	RIS Size	RIS Offset	Power Line Ch. Freq. (MHz)	Power Monitor Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (min)	EMF (dB)	EMF (dB)
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	18.02	18.02	18.03	20.5	0.0	
50	P12 BPSK	1	138	18.02	18.02	18.03	20.5	0.0	
50	P12 BPSK	1	368	18.04	18.04	18.05	20.5	0.0	
50	P12 BPSK	138	0	18.01	18.01	18.02	20.5	0.0	
50	P12 BPSK	138	138	18.04	18.04	18.05	20.5	0.0	
50	P12 BPSK	138	276	18.06	18.06	18.07	20.5	0.0	
50	QPSK	1	1	18.06	18.06	18.07	20.5	0.0	
50	QPSK	1	138	18.07	18.07	18.08	20.5	0.0	
50	QPSK	1	276	18.08	18.08	18.09	20.5	0.0	
50	QPSK	1	414	18.09	18.09	18.10	20.5	0.0	
50	QPSK	138	0	18.03	18.03	18.04	20.5	0.0	
50	QPSK	138	138	18.06	18.06	18.07	20.5	0.0	
50	QPSK	138	276	18.09	18.09	18.10	20.5	0.0	
50	QPSK	138	414	18.12	18.12	18.13	20.5	0.0	
50	QPSK	138	552	18.14	18.14	18.15	20.5	0.0	
50	QPSK	138	690	18.16	18.16	18.17	20.5	0.0	
50	QPSK	138	828	18.18	18.18	18.19	20.5	0.0	
50	QPSK	138	966	18.20	18.20	18.21	20.5	0.0	
50	QPSK	138	1104	18.22	18.22	18.23	20.5	0.0	
50	QPSK	138	1242	18.24	18.24	18.25	20.5	0.0	
50	QPSK	138	1380	18.26	18.26	18.27	20.5	0.0	
50	QPSK	138	1518	18.28	18.28	18.29	20.5	0.0	
50	QPSK	138	1656	18.30	18.30	18.31	20.5	0.0	
50	QPSK	138	1794	18.32	18.32	18.33	20.5	0.0	
50	QPSK	138	1932	18.34	18.34	18.35	20.5	0.0	
50	QPSK	138	2070	18.36	18.36	18.37	20.5	0.0	
50	QPSK	138	2208	18.38	18.38	18.39	20.5	0.0	
50	QPSK	138	2346	18.40	18.40	18.41	20.5	0.0	
50	QPSK	138	2484	18.42	18.42	18.43	20.5	0.0	
50	QPSK	138	2622	18.44	18.44	18.45	20.5	0.0	
50	QPSK	138	2760	18.46	18.46	18.47	20.5	0.0	
50	QPSK	138	2898	18.48	18.48	18.49	20.5	0.0	
50	QPSK	138	3036	18.50	18.50	18.51	20.5	0.0	
50	QPSK	138	3174	18.52	18.52	18.53	20.5	0.0	
50	QPSK	138	3312	18.54	18.54	18.55	20.5	0.0	
50	QPSK	138	3450	18.56	18.56	18.57	20.5	0.0	
50	QPSK	138	3588	18.58	18.58	18.59	20.5	0.0	
50	QPSK	138	3726	18.60	18.60	18.61	20.5	0.0	
50	QPSK	138	3864	18.62	18.62	18.63	20.5	0.0	
50	QPSK	138	4002	18.64	18.64	18.65	20.5	0.0	
50	QPSK	138	4140	18.66	18.66	18.67	20.5	0.0	
50	QPSK	138	4278	18.68	18.68	18.69	20.5	0.0	
50	QPSK	138	4416	18.70	18.70	18.71	20.5	0.0	
50	QPSK	138	4554	18.72	18.72	18.73	20.5	0.0	
50	QPSK	138	4692	18.74	18.74	18.75	20.5	0.0	
50	QPSK	138	4830	18.76	18.76	18.77	20.5	0.0	
50	QPSK	138	4968	18.78	18.78	18.79	20.5	0.0	
50	QPSK	138	5106	18.80	18.80	18.81	20.5	0.0	
50	QPSK	138	5244	18.82	18.82	18.83	20.5	0.0	
50	QPSK	138	5382	18.84	18.84	18.85	20.5	0.0	
50	QPSK	138	5520	18.86	18.86	18.87	20.5	0.0	
50	QPSK	138	5658	18.88	18.88	18.89	20.5	0.0	
50	QPSK	138	5796	18.90	18.90	18.91	20.5	0.0	
50	QPSK	138	5934	18.92	18.92	18.93	20.5	0.0	
50	QPSK	138	6072	18.94	18.94	18.95	20.5	0.0	
50	QPSK	138	6210	18.96	18.96	18.97	20.5	0.0	
50	QPSK	138	6348	18.98	18.98	18.99	20.5	0.0	
50	QPSK	138	6486	19.00	19.00	19.01	20.5	0.0	
50	QPSK	138	6624	19.02	19.02	19.03	20.5	0.0	
50	QPSK	138	6762	19.04	19.04	19.05	20.5	0.0	
50	QPSK	138	6900	19.06	19.06	19.07	20.5	0.0	
50	QPSK	138	7038	19.08	19.08	19.09	20.5	0.0	
50	QPSK	138	7176	19.10	19.10	19.11	20.5	0.0	
50	QPSK	138	7314	19.12	19.12	19.13	20.5	0.0	
50	QPSK	138	7452	19.14	19.14	19.15	20.5	0.0	
50	QPSK	138	7590	19.16	19.16	19.17	20.5	0.0	
50	QPSK	138	7728	19.18	19.18	19.19	20.5	0.0	
50	QPSK	138	7866	19.20	19.20	19.21	20.5	0.0	
50	QPSK	138	8004	19.22	19.22	19.23	20.5	0.0	
50	QPSK	138	8142	19.24	19.24	19.25	20.5	0.0	
50	QPSK	138	8280	19.26	19.26	19.27	20.5	0.0	
50	QPSK	138	8418	19.28	19.28	19.29	20.5	0.0	
50	QPSK	138	8556	19.30	19.30	19.31	20.5	0.0	
50	QPSK	138	8694	19.32	19.32	19.33	20.5	0.0	
50	QPSK	138	8832	19.34	19.34	19.35	20.5	0.0	
50	QPSK	138	8970	19.36	19.36	19.37	20.5	0.0	
50	QPSK	138	9108	19.38	19.38	19.39	20.5	0.0	
50	QPSK	138	9246	19.40	19.40	19.41	20.5	0.0	
50	QPSK	138	9384	19.42	19.42	19.43	20.5	0.0	
50	QPSK	138	9522	19.44	19.44	19.45	20.5	0.0	
50	QPSK	138	9660	19.46	19.46	19.47	20.5	0.0	
50	QPSK	138	9798	19.48	19.48	19.49	20.5	0.0	
50	QPSK	138	9936	19.50	19.50	19.51	20.5	0.0	
50	QPSK	138	10074	19.52	19.52	19.53	20.5	0.0	
50	QPSK	138	10212	19.54	19.54	19.55	20.5	0.0	
50	QPSK	138	10350	19.56	19.56	19.57	20.5	0.0	
50	QPSK	138	10488	19.58	19.58	19.59	20.5	0.0	
50	QPSK	138	10626	19.60	19.60	19.61	20.5	0.0	
50	QPSK	138	10764	19.62	19.62	19.63	20.5	0.0	
50	QPSK	138	10902	19.64	19.64	19.65	20.5	0.0	
50	QPSK	138	11040	19.66	19.66	19.67	20.5	0.0	
50	QPSK	138	11178	19.68	19.68	19.69	20.5	0.0	
50	QPSK	138	11316	19.70	19.70	19.71	20.5	0.0	
50	QPSK	138	11454	19.72	19.72	19.73	20.5	0.0	
50	QPSK	138	11592	19.74	19.74	19.75	20.5	0.0	
50	QPSK	138	11730	19.76	19.76	19.77	20.5	0.0	
50	QPSK	138	11868	19.78	19.78	19.79	20.5	0.0	
50	QPSK	138	12006	19.80	19.80	19.81	20.5	0.0	
50	QPSK	138	12144	19.82	19.82	19.83	20.5	0.0	
50	QPSK	138	12282	19.84	19.84	19.85	20.5	0.0	
50	QPSK	138	12420	19.86	19.86	19.87	20.5	0.0	
50	QPSK	138	12558	19.88	19.88	19.89	20.5	0.0	
50	QPSK	138	12696	19.90	19.90	19.91	20.5	0.0	
50	QPSK	138	12834	19.92	19.92	19.93	20.5	0.0	
50	QPSK	138	12972	19.94	19.94	19.95	20.5	0.0	
50	QPSK	138	13110	19.96	19.96	19.97	20.5	0.0	
50	QPSK	138	13248	19.98	19.98	19.99	20.5	0.0	
50	QPSK	138	13386	20.00	20.00	20.01	20.5	0.0	
50	QPSK	138	13524	20.02	20.02	20.03	20.5	0.0	
50	QPSK	138	13662	20.04	20.04	20.05	20.5	0.0	
50	QPSK	138	13800	20.06	20.06	20.07	20.5	0.0	
50	QPSK	138	13938	20.08	20.08	20.09	20.5	0.0	
50	QPSK	138	14076	20.10	20.10	20.11	20.5	0.0	
50	QPSK	138	14214	20.12	20.12	20.13	20.5	0.0	
50	QPSK	138	14352	20.14	20.14	20.15	20.5	0.0	
50	QPSK	138	14490	20.16	20.16	20.17	20.5	0.0	
50	QPSK	138	14628	20.18	20.18	20.19	20.5	0.0	
50	QPSK	138	14766	20.20	20.20	20.21	20.5	0.0	
50	QPSK	138	14904	20.22	20.22	20.23	20.5	0.0	
50	QPSK	138	15042	20.24	20.24	20.25	20.5	0.0	
50	QPSK	138	15180	20.26	20.26	20.27	20.5	0.0	
50	Q								



Part27Q n78_FCC_Ant 2(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Time-up Int. (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	22.43	3000.01				
100	Pi2 BPSK	1	137	22.29		24.0	0.0		
100	Pi2 BPSK	1	271	22.28		23.5	0.5		
100	Pi2 BPSK	155	5	22.03		24.0	0.0		
100	Pi2 BPSK	155	89	22.23		24.0	0.0		
100	Pi2 BPSK	155	138	22.43		23.5	0.5		
100	Pi2 BPSK	270	5	22.54		24.0	0.0		
100	QPSK	1	1	22.43		23.5	0.0		
100	QPSK	1	137	22.29		24.0	0.0		
100	QPSK	1	271	22.28		23.5	0.5		
100	QPSK	155	5	22.02		24.0	0.0		
100	QPSK	155	89	22.22		24.0	0.0		
100	QPSK	155	138	22.42		23.5	0.5		
100	QPSK	270	5	22.48		24.0	0.0		
100	QPSK	1	1	22.48		23.5	0.0		
100	QPSK	1	137	22.21		24.0	0.0		
100	QPSK	1	271	22.22		23.5	0.5		
100	QPSK	155	5	22.06		24.0	1.0		
100	QPSK	155	89	22.26		24.0	0.0		
100	QPSK	155	138	22.46		23.5	1.0		
100	QPSK	270	5	22.56		24.0	0.0		
100	QPSK	155	138	22.18		23.0	1.0		
100	QPSK	270	5	22.12		23.0	1.0		
100	HQAM	1	1	21.24		23.0	1.0		
100	HQAM	1	1	18.56		21.0	2.0		
100	HQAM	1	1	18.56		19.5	4.5		
Channel									
80	Pi2 BPSK	1	1	22.33	22.34	22.30	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.33	22.35	22.41	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.33	22.33	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.41	22.40	22.43	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.39	22.35	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.35	22.32	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.41	22.40	22.43	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.37	22.35	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.38	22.32	22.38	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.32	22.32	22.32	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.43	22.43	22.43	24.0	0.0	

Part27O n78_FCC_Ant 2(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Time-up Int. (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	22.52	3000.00				
100	Pi2 BPSK	1	137	22.36		24.0	0.0		
100	Pi2 BPSK	1	271	22.28		23.5	0.5		
100	Pi2 BPSK	155	5	22.07		24.0	0.0		
100	Pi2 BPSK	155	89	22.23		24.0	0.0		
100	Pi2 BPSK	155	138	22.42		23.5	0.5		
100	Pi2 BPSK	270	5	22.48		24.0	0.0		
100	QPSK	1	1	22.48		23.5	0.0		
100	QPSK	1	137	22.21		24.0	0.0		
100	QPSK	1	271	22.22		23.5	0.5		
100	QPSK	155	5	22.06		24.0	1.0		
100	QPSK	155	89	22.26		24.0	0.0		
100	QPSK	155	138	22.46		23.0	1.0		
100	QPSK	270	5	22.56		24.0	0.0		
100	QPSK	155	138	22.18		23.0	1.0		
100	QPSK	270	5	22.12		23.0	1.0		
100	HQAM	1	1	21.24		23.0	1.0		
100	HQAM	1	1	18.56		21.0	2.0		
100	HQAM	1	1	18.56		19.5	4.5		
Channel									
80	Pi2 BPSK	1	1	22.32	22.32	22.32	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.32	22.44	22.32	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.32	22.32	22.32	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.40	22.40	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.37	22.35	22.38	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.35	22.32	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.41	22.40	22.43	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.37	22.35	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.38	22.32	22.38	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.32	22.32	22.32	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.43	22.43	22.43	24.0	0.0	

Part27Q n78_FCC_Ant 4(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Time-up Int. (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	22.18	3000.01				
100	Pi2 BPSK	1	137	22.05		24.0	0.0		
100	Pi2 BPSK	1	271	22.27		23.5	0.5		
100	Pi2 BPSK	155	5	22.24		23.5	0.5		
100	Pi2 BPSK	155	89	22.02		24.0	0.0		
100	Pi2 BPSK	155	138	22.46		23.5	0.5		
100	Pi2 BPSK	270	5	22.42		23.5	0.5		
100	QPSK	1	1	22.13		24.0	0.0		
100	QPSK	1	137	22.09		24.0	0.0		
100	QPSK	1	271	22.22		23.5	0.5		
100	QPSK	155	5	22.06		24.0	1.0		
100	QPSK	155	89	22.02		24.0	0.0		
100	QPSK	155	138	22.46		23.0	1.0		
100	QPSK	270	5	22.52		23.0	1.0		
100	QPSK	155	138	22.18		23.0	1.0		
100	HQAM	1	1	20.77		23.0	1.0		
100	HQAM	1	1	18.62		21.0	2.0		
100	HQAM	1	1	18.11		19.5	4.5		
Channel									
80	Pi2 BPSK	1	1	22.09	22.10	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.10	22.46	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.10	22.10	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.18	22.18	22.18	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.06	22.07	22.13	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.08	22.18	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.06	22.06	22.06	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.14	22.14	22.14	24.0	0.0	

Part27O n78_FCC_Ant 4(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Time-up Int. (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	22.28	3000.00				
100	Pi2 BPSK	1	137	22.18		24.0	0.0		
100	Pi2 BPSK	1	271	22.42		23.5	0.5		
100	Pi2 BPSK	155	5	22.01		24.0	0.0		
100	Pi2 BPSK	155	89	22.12		24.0	0.0		
100	Pi2 BPSK	155	138	22.46		23.5	0.5		
100	Pi2 BPSK	270	5	22.57		24.0	0.0		
100	QPSK	1	1	22.24		23.5	0.0		
100	QPSK	1	137	22.11		24.0	0.0		
100	QPSK	1	271	22.40		23.5	0.5		
100	QPSK	155	5	22.04		24.0	1.0		
100	QPSK	155	89	22.14		24.0	0.0		
100	QPSK	155	138	22.45		23.0	1.0		
100	QPSK	270	5	22.50		23.0	1.0		
100	HQAM	1	1	21.25		23.0	1.0		
100	HQAM	1	1	18.61		21.0	2.0		
100	HQAM	1	1	18.25		19.5	4.5		
Channel									
80	Pi2 BPSK	1	1	22.12	22.12	22.12	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.12	22.48	22.25	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.12	22.12	22.12	24.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	22.20	22.20	22.20	24.0	0.0	
Channel									
Frequency (MHz)									



Part27Q n78_FCC_Ant 6(Default)										
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up Int. (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	24.26	24.26	24.26	20.0	0.0		
100	P12 BPSK	1	137	25.02	25.02	25.02	20.0	0.0		
100	P12 BPSK	1	271	24.47	24.47	24.47	25.5	0.5		
100	P12 BPSK	135	5	24.46	24.46	24.46	20.0	0.0		
100	P12 BPSK	135	89	25.04	25.04	25.04	20.0	0.0		
100	P12 BPSK	270	5	24.38	24.38	24.38	25.5	0.5		
100	QPSK	1	1	24.41	24.41	24.41	20.0	0.0		
100	QPSK	1	137	25.02	25.02	25.02	20.0	0.0		
100	QPSK	1	271	24.38	24.38	24.38	25.5	0.5		
100	QPSK	135	5	24.47	24.47	24.47	25.0	1.0		
100	QPSK	135	89	24.99	24.99	24.99	20.0	0.0		
100	QPSK	135	138	23.99	23.99	23.99	25.0	1.0		
100	QPSK	270	5	23.87	23.87	23.87	25.5	0.5		
100	16QAM	1	1	25.02	25.02	25.02	25.0	1.0		
100	16QAM	1	1	24.61	24.61	24.61	25.5	0.5		
100	16QAM	1	1	25.17	25.17	25.17	25.5	0.5		
Channel										
80	P12 BPSK	1	1	24.11	24.16	24.19	20.0	0.0		
Channel										
Frequency (MHz)										
80	P12 BPSK	1	1	24.13	24.23	24.45	20.0	0.0		
Channel										
Frequency (MHz)										
70	P12 BPSK	1	1	24.01	24.02	24.11	20.0	0.0		
Channel										
Frequency (MHz)										
60	P12 BPSK	1	1	24.12	24.22	24.53	20.0	0.0		
Channel										
Frequency (MHz)										
50	P12 BPSK	1	1	24.13	24.21	24.45	20.0	0.0		
Channel										
Frequency (MHz)										
40	P12 BPSK	1	1	24.13	24.16	24.11	20.0	0.0		
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	24.13	24.16	24.11	20.0	0.0		
Channel										
Frequency (MHz)										
20	P12 BPSK	1	1	24.12	24.26	24.22	20.0	0.0		

Part27Q n78_FCC_Ant 6(Default)										
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up Int. (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	24.43	24.43	24.43	20.0	0.0		
100	P12 BPSK	1	137	25.10	25.10	25.10	20.0	0.0		
100	P12 BPSK	1	271	24.24	24.24	24.24	25.5	0.5		
100	P12 BPSK	135	5	24.31	24.31	24.31	20.0	0.0		
100	P12 BPSK	135	89	24.95	24.95	24.95	20.0	0.0		
100	P12 BPSK	135	138	23.98	23.98	23.98	25.5	0.5		
100	P12 BPSK	270	5	24.25	24.25	24.25	25.5	0.5		
100	QPSK	1	1	24.24	24.24	24.24	20.0	0.0		
100	QPSK	1	137	24.24	24.24	24.24	20.0	0.0		
100	QPSK	1	271	24.24	24.24	24.24	25.5	0.5		
100	QPSK	135	5	24.26	24.26	24.26	20.0	1.0		
100	QPSK	135	89	24.85	24.85	24.85	20.0	0.0		
100	QPSK	135	138	23.85	23.85	23.85	25.0	1.0		
100	QPSK	270	5	23.99	23.99	23.99	25.0	1.0		
100	16QAM	1	1	25.11	25.11	25.11	25.0	1.0		
100	16QAM	1	1	24.60	24.60	24.60	25.5	0.5		
100	16QAM	1	1	25.12	25.12	25.12	25.5	0.5		
Channel										
80	P12 BPSK	1	1	24.32	24.30	24.17	20.0	0.0		
Channel										
Frequency (MHz)										
80	P12 BPSK	1	1	24.30	24.30	24.28	20.0	0.0		
Channel										
Frequency (MHz)										
70	P12 BPSK	1	1	24.01	24.01	24.01	20.0	0.0		
Channel										
Frequency (MHz)										
60	P12 BPSK	1	1	24.27	24.24	24.19	20.0	0.0		
Channel										
Frequency (MHz)										
50	P12 BPSK	1	1	24.38	24.38	24.26	20.0	0.0		
Channel										
Frequency (MHz)										
40	P12 BPSK	1	1	24.32	24.30	24.21	20.0	0.0		
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	24.23	24.27	24.28	20.0	0.0		
Channel										
Frequency (MHz)										
20	P12 BPSK	1	1	24.22	24.24	24.23	20.0	0.0		

Part27Q n78_FCC_Ant 11(Default)										
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	D	MFR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	22.24	22.24	22.24	24.0	0.0		
100	P12 BPSK	1	137	22.97	22.97	22.97	24.0	0.0		
100	P12 BPSK	1	271	22.23	22.23	22.23	23.5	0.5		
100	P12 BPSK	135	5	22.18	22.18	22.18	23.5	0.5		
100	P12 BPSK	135	89	22.87	22.87	22.87	24.0	0.0		
100	P12 BPSK	135	138	21.87	21.87	21.87	23.5	0.5		
100	P12 BPSK	270	5	22.13	22.13	22.13	23.5	0.5		
100	QPSK	1	1	22.10	22.10	22.10	24.0	0.0		
100	QPSK	1	137	22.87	22.87	22.87	24.0	0.0		
100	QPSK	1	271	22.21	22.21	22.21	23.5	0.5		
100	QPSK	135	5	22.18	22.18	22.18	23.0	1.0		
100	QPSK	135	89	22.85	22.85	22.85	24.0	0.0		
100	QPSK	135	138	21.87	21.87	21.87	23.0	1.0		
100	QPSK	270	5	21.74	21.74	21.74	23.5	0.5		
100	16QAM	1	1	22.80	22.80	22.80	24.0	1.0		
100	16QAM	1	1	22.43	22.43	22.43	23.5	0.5		
100	16QAM	1	1	22.87	22.87	22.87	23.5	0.5		
Channel										
80	P12 BPSK	1	1	22.12	22.12	22.10	24.0	0.0		
Channel										
Frequency (MHz)										
80	P12 BPSK	1	1	22.20	22.22	22.19	24.0	0.0		
Channel										
Frequency (MHz)										
70	P12 BPSK	1	1	22.10	22.10	22.14	24.0	0.0		
Channel										
Frequency (MHz)										
60	P12 BPSK	1	1	22.14	22.18	22.14	24.0	0.0		
Channel										
Frequency (MHz)										
50	P12 BPSK	1	1	22.13	22.24	22.20	24.0	0.0		
Channel										
Frequency (MHz)										
40	P12 BPSK	1	1	22.24	22.19	22.18	24.0	0.0		
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	22.16	22.21	22.10	24.0	0.0		
Channel										
Frequency (MHz)										
20	P12 BPSK	1	1	22.14	22.18	22.15	24.0	0.0		

Part27Q n78_FCC_Ant 11(Default)										
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up Int. (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	22.21	22.21	22.21	24.0	0.0		
100	P12 BPSK	1	137	22.94	22.94	22.94	24.0	0.0		
100	P12 BPSK	1	271	22.48	22.48	22.48	23.5	0.5		
100	P12 BPSK	135	5	22.38	22.38	22.38	23.5	0.5		
100	P12 BPSK	135	89	23.10	23.10	23.10	24.0	0.0		
100	P12 BPSK	135	138	22.10	22.10	22.10	23.5	0.5		
100	P12 BPSK	270	5	22.45	22.45	22.45	23.5	0.5		
100	QPSK	1	1	22.23	22.23	22.23	24.0	0.0		
100	QPSK	1	137	22.91	22.91	22.91	24.0	0.0		
100	QPSK	1	271	22.49	22.49	22.49	23.5	0.5		
100	QPSK	135	5	22.44	22.44	22.44	23.0	1.0		
100	QPSK	135	89	23.11	23.11	23.11	24.0	0.0		
100	QPSK	135	138	22.11	22.11	22.11	23.0	1.0		
100	QPSK	270	5	21.88	21.88	21.88	23.5	0.5		
100	16QAM	1	1	22.89	22.89	22.89	24.0	1.0		
100	16QAM	1	1	22.52	22.52	22.52	23.5	0.5		
100	16QAM	1	1	22.85	22.85	22.85	23.5	0.5		
Channel										
80	P12 BPSK	1	1	22.17	22.11	22.20	24.0	0.0		
Channel										
Frequency (MHz)										
80	P12 BPSK	1	1	22.19	22.07	22.08	24.0	0.0		
Channel										
Frequency (MHz)										
70	P12 BPSK	1	1	22.11	22.11	22.13	24.0	0.0		
Channel										
Frequency (MHz)										
60	P12 BPSK	1	1	22.08	22.06	22.06	24.0	0.0		
Channel										
Frequency (MHz)										
50	P12 BPSK	1	1	22.07	22.18	22.15	24.0	0.0		
Channel										
Frequency (MHz)										
40	P12 BPSK	1	1	22.08	22.19	22.10	24.0	0.0		
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	22.17	22.11	22.14	24.0	0.0		
Channel										
Frequency (MHz)										
20	P12 BPSK	1	1	22.15	22.12	22.15	24.0	0.0		



Part27Q n78 FCC_Ant 2(DS10)										
SV (MHz)	Modulation	RB Size	RB Offset	Time Slot	Power	Power	Power	Time-up time	EMT	EMT
				Ch./Freq.	Ch./Freq.	Ch./Freq.	Ch./Freq.	(min)	(dB)	(dB)
Channel										
Frequency (MHz)										
180	PVO BPSK	1	1	17.24						
180	PVO BPSK	1	137	17.26				18.0	0.0	
180	PVO BPSK	1	271	17.27						
180	PVO BPSK	150	0	17.28				18.0	0.0	
180	PVO BPSK	150	136	17.29				18.5	0.5	
180	PVO BPSK	150	138	17.30				18.5	0.5	
180	PVO BPSK	270	0	17.30				18.0	0.0	
180	QPSK	1	1	17.30						
180	QPSK	1	137	17.30				18.0	0.0	
180	QPSK	150	0	17.30				18.0	0.0	
180	QPSK	150	136	17.30				18.5	0.5	
180	QPSK	150	138	17.30				18.5	0.5	
180	QPSK	270	0	17.30				18.5	0.5	
180	QPSK	1	1	17.31				18.5	0.5	
180	QPSK	1	137	17.31				18.5	0.5	
180	QPSK	150	0	17.31				18.5	0.5	
180	QPSK	150	136	17.31				18.5	0.5	
180	QPSK	150	138	17.31				18.5	0.5	
180	QPSK	270	0	17.31				18.5	0.5	
180	QPSK	1	1	17.32				18.5	0.5	
180	QPSK	1	137	17.32				18.5	0.5	
180	QPSK	150	0	17.32				18.5	0.5	
180	QPSK	150	136	17.32				18.5	0.5	
180	QPSK	150	138	17.32				18.5	0.5	
180	QPSK	270	0	17.32				18.5	0.5	
180	QPSK	1	1	17.33				18.5	0.5	
180	QPSK	1	137	17.33				18.5	0.5	
180	QPSK	150	0	17.33				18.5	0.5	
180	QPSK	150	136	17.33				18.5	0.5	
180	QPSK	150	138	17.33				18.5	0.5	
180	QPSK	270	0	17.33				18.5	0.5	
180	QPSK	1	1	17.34				18.5	0.5	
180	QPSK	1	137	17.34				18.5	0.5	
180	QPSK	150	0	17.34				18.5	0.5	
180	QPSK	150	136	17.34				18.5	0.5	
180	QPSK	150	138	17.34				18.5	0.5	
180	QPSK	270	0	17.34				18.5	0.5	
180	QPSK	1	1	17.35				18.5	0.5	
180	QPSK	1	137	17.35				18.5	0.5	
180	QPSK	150	0	17.35				18.5	0.5	
180	QPSK	150	136	17.35				18.5	0.5	
180	QPSK	150	138	17.35				18.5	0.5	
180	QPSK	270	0	17.35				18.5	0.5	
180	QPSK	1	1	17.36				18.5	0.5	
180	QPSK	1	137	17.36				18.5	0.5	
180	QPSK	150	0	17.36				18.5	0.5	
180	QPSK	150	136	17.36				18.5	0.5	
180	QPSK	150	138	17.36				18.5	0.5	
180	QPSK	270	0	17.36				18.5	0.5	
180	QPSK	1	1	17.37				18.5	0.5	
180	QPSK	1	137	17.37				18.5	0.5	
180	QPSK	150	0	17.37				18.5	0.5	
180	QPSK	150	136	17.37				18.5	0.5	
180	QPSK	150	138	17.37				18.5	0.5	
180	QPSK	270	0	17.37				18.5	0.5	
180	QPSK	1	1	17.38				18.5	0.5	
180	QPSK	1	137	17.38				18.5	0.5	
180	QPSK	150	0	17.38				18.5	0.5	
180	QPSK	150	136	17.38				18.5	0.5	
180	QPSK	150	138	17.38				18.5	0.5	
180	QPSK	270	0	17.38				18.5	0.5	
180	QPSK	1	1	17.39				18.5	0.5	
180	QPSK	1	137	17.39				18.5	0.5	
180	QPSK	150	0	17.39				18.5	0.5	
180	QPSK	150	136	17.39				18.5	0.5	
180	QPSK	150	138	17.39				18.5	0.5	
180	QPSK	270	0	17.39				18.5	0.5	
180	QPSK	1	1	17.40				18.5	0.5	
180	QPSK	1	137	17.40				18.5	0.5	
180	QPSK	150	0	17.40				18.5	0.5	
180	QPSK	150	136	17.40				18.5	0.5	
180	QPSK	150	138	17.40				18.5	0.5	
180	QPSK	270	0	17.40				18.5	0.5	
180	QPSK	1	1	17.41				18.5	0.5	
180	QPSK	1	137	17.41				18.5	0.5	
180	QPSK	150	0	17.41				18.5	0.5	
180	QPSK	150	136	17.41				18.5	0.5	
180	QPSK	150	138	17.41				18.5	0.5	
180	QPSK	270	0	17.41				18.5	0.5	
180	QPSK	1	1	17.42				18.5	0.5	
180	QPSK	1	137	17.42				18.5	0.5	
180	QPSK	150	0	17.42				18.5	0.5	
180	QPSK	150	136	17.42				18.5	0.5	
180	QPSK	150	138	17.42				18.5	0.5	
180	QPSK	270	0	17.42				18.5	0.5	
180	QPSK	1	1	17.43				18.5	0.5	
180	QPSK	1	137	17.43				18.5	0.5	
180	QPSK	150	0	17.43				18.5	0.5	
180	QPSK	150	136	17.43				18.5	0.5	
180	QPSK	150	138	17.43				18.5	0.5	
180	QPSK	270	0	17.43				18.5	0.5	
180	QPSK	1	1	17.44				18.5	0.5	
180	QPSK	1	137	17.44				18.5	0.5	
180	QPSK	150	0	17.44				18.5	0.5	
180	QPSK	150	136	17.44				18.5	0.5	
180	QPSK	150	138	17.44				18.5	0.5	
180	QPSK	270	0	17.44				18.5	0.5	
180	QPSK	1	1	17.45				18.5	0.5	
180	QPSK	1	137	17.45				18.5	0.5	
180	QPSK	150	0	17.45				18.5	0.5	
180	QPSK	150	136	17.45				18.5	0.5	
180	QPSK	150	138	17.45				18.5	0.5	
180	QPSK	270	0	17.45				18.5	0.5	
180	QPSK	1	1	17.46				18.5	0.5	
180	QPSK	1	137	17.46				18.5	0.5	
180	QPSK	150	0	17.46				18.5	0.5	
180	QPSK	150	136	17.46				18.5	0.5	
180	QPSK	150	138	17.46				18.5	0.5	
180	QPSK	270	0	17.46				18.5	0.5	
180	QPSK	1	1	17.47				18.5	0.5	
180	QPSK	1	137	17.47				18.5	0.5	
180	QPSK	150	0	17.47				18.5	0.5	
180	QPSK	150	136	17.47				18.5	0.5	
180	QPSK	150	138	17.47				18.5	0.5	
180	QPSK	270	0	17.47				18.5	0.5	
180	QPSK	1	1	17.48				18.5	0.5	
180	QPSK	1	137	17.48				18.5	0.5	
180	QPSK	150	0	17.48				18.5	0.5	
180	QPSK	150	136	17.48				18.5	0.5	
180	QPSK	150	138	17.48				18.5	0.5	
180	QPSK	270	0	17.48				18.5	0.5	
180	QPSK	1	1	17.49				18.5	0.5	
180	QPSK	1	137	17.49				18.5	0.5	
180	QPSK	150	0	17.49				18.5	0.5	
180	QPSK	150	136	17.49				18.5	0.5	
180	QPSK	150	138	17.49				18.5	0.5	
180	QPSK	270	0	17.49				18.5	0.5	
180	QPSK	1	1	17.50				18.5	0.5	
180	QPSK	1	137	17.50				18.5	0.5	
180	QPSK	150	0	17.50				18.5	0.5	
180	QPSK	150	136	17.50				18.5	0.5	
180	QPSK	150	138	17.50				18.5	0.5	
180	QPSK	270	0	17.50				18.5	0.5	
180	QPSK	1	1	17.51				18.5	0.5	
180	QPSK	1	137	17.51				18.5	0.5	
180	QPSK	150	0	17.51				18.5	0.5	
180	QPSK	150	136	17.51				18.5	0.5	
180	QPSK	150	138	17.51				18.5	0.5	
180	QPSK	270	0	17.51				18.5	0.5	
180	QPSK	1	1	17.52				18.5	0.5	
180	QPSK	1	137	17.52				18.5	0.5	
180	QPSK	150	0	17.52				18.5	0.5	
180	QPSK	150	136	17.52				18.5	0.5	
180	QPSK	150	138	17.52				18.5	0.5	
180	QPSK	270	0	17.52				18.5	0.5	
180	QPSK	1	1	17.53				18.5	0.5	
180	QPSK	1	137	17.53				18.5	0.5	
180	QPSK	150	0	17.53				18.5	0.5	
180	QPSK	150	136	17.53				18.5	0.5	
180	QPSK	150	138	17.53				18.5	0.5	
180	QPSK	270	0	17.53				18.5	0.5	
180	QPSK	1	1	17.54				18.5	0.5	
180	QPSK	1	137	17.54				18.5	0.5	
180	QPSK	150	0	17.54				18.5	0.5	
180	QPSK</									



Part27Q n78_FCC_Ant 2(DS13)										
SV (MHz)	Modulation	RB Size	RB Offset	Time Slot	Power	Power	Power	Time-up time	DRB	DRB
				Ch./Freq.	Ch./Freq.	Ch./Freq.	Ch./Freq.	(min)	(%)	(%)
Channel										
Frequency (MHz)										
180	PVO BPSK	1	1	18.16						
180	PVO BPSK	1	137	18.88				20.5	0.0	
180	PVO BPSK	1	291	19.52						
180	PVO BPSK	140	0	18.88				20.5	0.0	
180	PVO BPSK	140	48	19.52				20.5	0.0	
180	PVO BPSK	270	0	18.72				20.5	0.0	
180	QPSK	1	1	18.81				20.5	0.0	
180	QPSK	1	137	19.54						
180	QPSK	140	0	18.84				20.5	0.0	
180	QPSK	140	48	19.52				20.5	0.0	
180	QPSK	140	138	18.88				20.5	0.0	
180	QPSK	270	0	18.88				20.5	0.0	
180	QPSK	270	48	19.52				20.5	0.0	
180	QPSK	270	96	18.88				20.5	0.0	
180	QPSK	270	144	19.52				20.5	0.0	
180	QPSK	270	192	18.88				20.5	0.0	
180	QPSK	270	240	19.52				20.5	0.0	
180	QPSK	270	288	18.88				20.5	0.0	
180	QPSK	270	336	19.52				20.5	0.0	
180	QPSK	270	384	18.88				20.5	0.0	
180	QPSK	270	432	19.52				20.5	0.0	
180	QPSK	270	480	18.88				20.5	0.0	
180	QPSK	270	528	19.52				20.5	0.0	
180	QPSK	270	576	18.88				20.5	0.0	
180	QPSK	270	624	19.52				20.5	0.0	
180	QPSK	270	672	18.88				20.5	0.0	
180	QPSK	270	720	19.52				20.5	0.0	
180	QPSK	270	768	18.88				20.5	0.0	
180	QPSK	270	816	19.52				20.5	0.0	
180	QPSK	270	864	18.88				20.5	0.0	
180	QPSK	270	912	19.52				20.5	0.0	
180	QPSK	270	960	18.88				20.5	0.0	
180	QPSK	270	1008	19.52				20.5	0.0	
180	QPSK	270	1056	18.88				20.5	0.0	
180	QPSK	270	1104	19.52				20.5	0.0	
180	QPSK	270	1152	18.88				20.5	0.0	
180	QPSK	270	1200	19.52				20.5	0.0	
180	QPSK	270	1248	18.88				20.5	0.0	
180	QPSK	270	1296	19.52				20.5	0.0	
180	QPSK	270	1344	18.88				20.5	0.0	
180	QPSK	270	1392	19.52				20.5	0.0	
180	QPSK	270	1440	18.88				20.5	0.0	
180	QPSK	270	1488	19.52				20.5	0.0	
180	QPSK	270	1536	18.88				20.5	0.0	
180	QPSK	270	1584	19.52				20.5	0.0	
180	QPSK	270	1632	18.88				20.5	0.0	
180	QPSK	270	1680	19.52				20.5	0.0	
180	QPSK	270	1728	18.88				20.5	0.0	
180	QPSK	270	1776	19.52				20.5	0.0	
180	QPSK	270	1824	18.88				20.5	0.0	
180	QPSK	270	1872	19.52				20.5	0.0	
180	QPSK	270	1920	18.88				20.5	0.0	
180	QPSK	270	1968	19.52				20.5	0.0	
180	QPSK	270	2016	18.88				20.5	0.0	
180	QPSK	270	2064	19.52				20.5	0.0	
180	QPSK	270	2112	18.88				20.5	0.0	
180	QPSK	270	2160	19.52				20.5	0.0	
180	QPSK	270	2208	18.88				20.5	0.0	
180	QPSK	270	2256	19.52				20.5	0.0	
180	QPSK	270	2304	18.88				20.5	0.0	
180	QPSK	270	2352	19.52				20.5	0.0	
180	QPSK	270	2400	18.88				20.5	0.0	
180	QPSK	270	2448	19.52				20.5	0.0	
180	QPSK	270	2496	18.88				20.5	0.0	
180	QPSK	270	2544	19.52				20.5	0.0	
180	QPSK	270	2592	18.88				20.5	0.0	
180	QPSK	270	2640	19.52				20.5	0.0	
180	QPSK	270	2688	18.88				20.5	0.0	
180	QPSK	270	2736	19.52				20.5	0.0	
180	QPSK	270	2784	18.88				20.5	0.0	
180	QPSK	270	2832	19.52				20.5	0.0	
180	QPSK	270	2880	18.88				20.5	0.0	
180	QPSK	270	2928	19.52				20.5	0.0	
180	QPSK	270	2976	18.88				20.5	0.0	
180	QPSK	270	3024	19.52				20.5	0.0	
180	QPSK	270	3072	18.88				20.5	0.0	
180	QPSK	270	3120	19.52				20.5	0.0	
180	QPSK	270	3168	18.88				20.5	0.0	
180	QPSK	270	3216	19.52				20.5	0.0	
180	QPSK	270	3264	18.88				20.5	0.0	
180	QPSK	270	3312	19.52				20.5	0.0	
180	QPSK	270	3360	18.88				20.5	0.0	
180	QPSK	270	3408	19.52				20.5	0.0	
180	QPSK	270	3456	18.88				20.5	0.0	
180	QPSK	270	3504	19.52				20.5	0.0	
180	QPSK	270	3552	18.88				20.5	0.0	
180	QPSK	270	3600	19.52				20.5	0.0	
180	QPSK	270	3648	18.88				20.5	0.0	
180	QPSK	270	3696	19.52				20.5	0.0	
180	QPSK	270	3744	18.88				20.5	0.0	
180	QPSK	270	3792	19.52				20.5	0.0	
180	QPSK	270	3840	18.88				20.5	0.0	
180	QPSK	270	3888	19.52				20.5	0.0	
180	QPSK	270	3936	18.88				20.5	0.0	
180	QPSK	270	3984	19.52				20.5	0.0	
180	QPSK	270	4032	18.88				20.5	0.0	
180	QPSK	270	4080	19.52				20.5	0.0	
180	QPSK	270	4128	18.88				20.5	0.0	
180	QPSK	270	4176	19.52				20.5	0.0	
180	QPSK	270	4224	18.88				20.5	0.0	
180	QPSK	270	4272	19.52				20.5	0.0	
180	QPSK	270	4320	18.88				20.5	0.0	
180	QPSK	270	4368	19.52				20.5	0.0	
180	QPSK	270	4416	18.88				20.5	0.0	
180	QPSK	270	4464	19.52				20.5	0.0	
180	QPSK	270	4512	18.88				20.5	0.0	
180	QPSK	270	4560	19.52				20.5	0.0	
180	QPSK	270	4608	18.88				20.5	0.0	
180	QPSK	270	4656	19.52				20.5	0.0	
180	QPSK	270	4704	18.88				20.5	0.0	
180	QPSK	270	4752	19.52				20.5	0.0	
180	QPSK	270	4800	18.88				20.5	0.0	
180	QPSK	270	4848	19.52				20.5	0.0	
180	QPSK	270	4896	18.88				20.5	0.0	
180	QPSK	270	4944	19.52				20.5	0.0	
180	QPSK	270	4992	18.88				20.5	0.0	
180	QPSK	270	5040	19.52				20.5	0.0	
180	QPSK	270	5088	18.88				20.5	0.0	
180	QPSK	270	5136	19.52				20.5	0.0	
180	QPSK	270	5184	18.88				20.5	0.0	
180	QPSK	270	5232	19.52				20.5	0.0	
180	QPSK	270	5280	18.88				20.5	0.0	
180	QPSK	270	5328	19.52				20.5	0.0	
180	QPSK	270	5376	18.88				20.5	0.0	
180	QPSK	270	5424	19.52				20.5	0.0	
180	QPSK	270	5472	18.88				20.5	0.0	
180	QPSK	270	5520	19.52				20.5	0.0	
180	QPSK	270	5568	18.88				20.5	0.0	
180	QPSK	270	5616	19.52				20.5	0.0	
180	QPSK	270	5664	18.88				20.5	0.0	
180	QPSK	270	5712	19.52				20.5	0.0	
180	QPSK	270	5760	18.88				20.5	0.0	
180	QPSK	270	5808	19.52				20.5	0.0	
180	QPSK	270	5856	18.88				20.5	0.0	
180	QPSK	270	5904	19.52				20.5	0.0	
180	QPSK	270	5952	18.88				20.5	0.0	
180	QPSK	270	6000	19.52				20.5	0.0	
180	QPSK	270	6048	18.88				20.5	0.0	
180	QPSK	270	6096	19.52				20.5	0.0	
180	QPSK	270	6144	18.88				20.5	0.0	
180	QPSK	270	6192	19.52				20.5	0.0	
180	QPSK	270	6240	18.88				20.5	0.0	
180	QPSK	270	6288	19.52				20.5	0.0	
180	QPSK	270	6336	18.88				20.5	0.0	
180	QPSK	270	6384	19.52				20.5	0.0	
180	QPSK	270	6432	18.88				20.5	0.0	
180	QPSK	270	6480	19.52				20.5	0.0	
180	QPSK	270	6528	18.88				20.5	0.0	
180	QPSK	270	6576	19.52				20.5	0.0	
180	QPSK	270	6624	18.88				20.5		



Conducted Power for 5G NR SA

n5_Ant 0(Default)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				634	636.5	639			
20	PI2 BPSK	1	1	24.41	24.44	24.43			
20	PI2 BPSK	1	53	24.59	24.62	24.61	25.5	0.0	
20	PI2 BPSK	1	104	24.42	24.45	24.44			
20	PI2 BPSK	50	0	24.57	24.52	24.51	25.0	0.5	
20	PI2 BPSK	50	28	24.58	24.59	24.58	25.5	0.0	
20	PI2 BPSK	50	56	24.53	24.56	24.55			
20	PI2 BPSK	100	0	24.57	24.60	24.59	25.0	0.5	
20	QPSK	1	1	24.35	24.38	24.37			
20	QPSK	1	53	24.50	24.53	24.52	25.5	0.0	
20	QPSK	1	104	24.33	24.36	24.35			
20	QPSK	50	0	24.52	24.55	24.54	24.5	1.0	
20	QPSK	50	28	24.45	24.48	24.47	25.5	0.0	
20	QPSK	50	56	24.43	24.46	24.45	24.5	1.0	
20	QPSK	100	0	24.47	24.50	24.49	24.5	1.0	
20	16QAM	1	1	23.07	23.10	23.09	24.5	1.0	
20	64QAM	1	1	21.89	21.72	21.61	23.0	2.5	
20	256QAM	1	1	21.19	20.21	20.21	21.0	4.5	
Channel									
Frequency (MHz)				16930	16730	16930	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	24.41	24.52	24.39	25.5	0.0	
Channel									
Frequency (MHz)				16980	16730	16980	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	24.50	24.52	24.45	25.5	0.0	
Channel									
Frequency (MHz)				16930	16730	16930	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	24.44	24.51	24.53	25.5	0.0	

n5_Ant 2(Default)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				634	636.5	639			
20	PI2 BPSK	1	1	23.72	23.79	23.82			
20	PI2 BPSK	1	53	23.83	23.87	23.90	25.0	0.0	
20	PI2 BPSK	1	104	23.81	23.83	23.70			
20	PI2 BPSK	50	0	23.33	23.42	23.27	24.5	0.5	
20	PI2 BPSK	50	28	23.83	23.90	23.83	25.0	0.0	
20	PI2 BPSK	50	56	23.39	23.40	23.27			
20	PI2 BPSK	100	0	23.35	23.41	23.30	24.5	0.5	
20	QPSK	1	1	23.70	23.74	23.65			
20	QPSK	1	53	23.76	23.85	23.81	25.0	0.0	
20	QPSK	1	104	23.70	23.71	23.61			
20	QPSK	50	0	22.82	22.86	22.74	24.0	1.0	
20	QPSK	50	28	23.74	23.77	23.76	25.0	0.0	
20	QPSK	50	56	22.81	22.86	22.74	24.0	1.0	
20	QPSK	100	0	22.71	22.85	22.71	24.0	1.0	
20	16QAM	1	1	22.19	22.31	22.22	24.0	1.0	
20	64QAM	1	1	20.91	20.98	20.87	22.5	2.5	
20	256QAM	1	1	19.38	19.42	19.29	20.5	4.5	
Channel									
Frequency (MHz)				16930	16730	16930	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	23.64	23.73	23.72	25.0	0.0	
Channel									
Frequency (MHz)				16980	16730	16980	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	23.70	23.78	23.93	25.0	0.0	
Channel									
Frequency (MHz)				16930	16730	16930	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	23.69	23.74	23.72	25.0	0.0	

n7_Ant 0(Default)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2626	2635	2645			
50	PI2 BPSK	1	1	23.37	23.42	23.38			
50	PI2 BPSK	1	135	23.60	23.66	23.77	24.5	0.0	
50	PI2 BPSK	1	268	23.48	23.58	23.57			
50	PI2 BPSK	135	0	23.03	23.05	23.16	24.0	0.5	
50	PI2 BPSK	135	68	23.72	23.70	23.76	24.5	0.0	
50	PI2 BPSK	135	135	23.20	23.23	23.14	24.0	0.5	
50	PI2 BPSK	270	0	23.14	23.09	23.23			
50	QPSK	1	1	23.12	23.22	23.16			
50	QPSK	1	135	23.48	23.62	23.61	24.5	0.0	
50	QPSK	1	268	23.40	23.55	23.41			
50	QPSK	135	0	22.47	22.51	22.40	23.5	1.0	
50	QPSK	135	68	23.63	23.73	23.67	24.5	0.0	
50	QPSK	135	135	22.85	22.72	22.86	23.5	1.0	
50	QPSK	270	0	22.82	22.86	22.54			
50	16QAM	1	1	21.80	22.02	22.01	23.5	1.0	
50	64QAM	1	1	20.32	20.44	20.36	22.0	2.5	
50	256QAM	1	1	19.20	19.22	19.15	20.0	4.5	
Channel									
Frequency (MHz)				50900	50700	51000	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	23.36	23.30	23.28	24.5	0.0	
Channel									
Frequency (MHz)				50900	50700	51100	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	23.15	23.30	23.30	24.5	0.0	
Channel									
Frequency (MHz)				50900	50700	51100	Tune-up limit (dBm)	MPR (dB)	
25	PI2 BPSK	1	1	23.32	23.34	23.31	24.5	0.0	
Channel									
Frequency (MHz)				25100	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	23.23	23.39	23.26	24.5	0.0	
Channel									
Frequency (MHz)				50700	50700	51200	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	23.32	23.36	23.30	24.5	0.0	
Channel									
Frequency (MHz)				50700	50700	51300	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	23.35	23.33	23.33	24.5	0.0	
Channel									
Frequency (MHz)				50900	50700	51300	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	23.32	23.36	23.28	24.5	0.0	



n7_Ant 1(Default)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 505000	Power Middle Ch. F. Freq. 507000	Power High Ch. F. Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	23.86	24.00	24.02	25.0	0.0
50	PI2 BPSK	1	135	24.12	24.33	24.35		
50	PI2 BPSK	1	268	23.98	24.11	24.14		
50	PI2 BPSK	135	0	23.85	23.76	23.80	24.5	0.5
50	PI2 BPSK	135	68	24.06	24.13	24.18	25.0	0.0
50	PI2 BPSK	135	135	23.76	23.89	23.94	24.5	0.5
50	PI2 BPSK	270	0	23.69	23.75	23.80		
50	PI2 BPSK	270	68	23.83	24.05	24.10		
50	QPSK	1	1	23.83	24.05	24.10	25.0	0.0
50	QPSK	1	135	24.12	24.33	24.25		
50	QPSK	1	268	23.86	24.09	24.11		
50	QPSK	135	0	23.05	23.16	23.19	24.0	1.0
50	QPSK	135	68	24.22	24.31	24.33	25.0	0.0
50	QPSK	135	135	22.98	23.09	23.14	24.0	1.0
50	QPSK	270	0	22.76	22.88	22.90	24.0	1.0
50	16QAM	1	1	22.37	22.55	22.58	24.0	1.0
50	64QAM	1	1	20.98	21.05	21.13	22.5	2.5
50	256QAM	1	1	19.55	19.60	19.73	20.5	4.5
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	23.90	24.04	24.12	25.0	0.0
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	23.17	23.34	24.07	25.0	0.0
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	23.99	24.01	24.13	25.0	0.0
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	23.80	23.89	23.99	25.0	0.0
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	23.79	23.95	24.07	25.0	0.0
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	23.51	24.10	24.22	25.0	0.0
Channel								
Frequency (MHz)								
5	PI2 BPSK	1	1	23.79	24.02	24.09	25.0	0.0

n7_Ant 3(Default)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 505000	Power Middle Ch. F. Freq. 507000	Power High Ch. F. Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	23.98	24.42	23.26	24.5	0.0
50	PI2 BPSK	1	135	23.80	23.68	23.76		
50	PI2 BPSK	1	268	23.37	23.38	23.28		
50	PI2 BPSK	135	0	23.02	23.05	23.01	24.0	0.5
50	PI2 BPSK	135	68	23.51	23.65	23.71	24.5	0.0
50	PI2 BPSK	135	135	22.79	22.92	22.82	24.0	0.5
50	PI2 BPSK	270	0	22.75	22.80	22.86		
50	PI2 BPSK	270	68	23.25	23.36	23.32		
50	QPSK	1	1	23.25	23.36	23.32	24.5	0.0
50	QPSK	1	135	23.35	23.42	23.35		
50	QPSK	1	268	23.17	23.31	23.26		
50	QPSK	135	0	22.43	22.82	22.44	23.5	1.0
50	QPSK	135	68	23.48	23.56	23.52	24.5	0.0
50	QPSK	135	135	22.30	22.41	22.34	23.5	1.0
50	QPSK	270	0	22.36	22.41	22.48	23.5	1.0
50	16QAM	1	1	22.04	22.11	22.02	23.5	1.0
50	64QAM	1	1	20.53	20.56	20.52	22.0	2.5
50	256QAM	1	1	19.17	19.31	19.20	20.0	4.5
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	23.44	23.35	23.24	24.5	0.0
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	23.15	23.30	23.22	24.5	0.0
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	23.58	23.38	23.22	24.5	0.0
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	23.44	23.31	23.12	24.5	0.0
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	23.54	23.27	23.21	24.5	0.0
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	23.47	23.32	23.16	24.5	0.0
Channel								
Frequency (MHz)								
5	PI2 BPSK	1	1	23.96	23.40	23.21	24.5	0.0



n7_Ant 5(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 505000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	24.02	23.95	23.88			
50	PI2 BPSK	1	155	24.18	24.22	24.20	25.0	0.0	
50	PI2 BPSK	1	268	23.92	23.89	23.80			
50	PI2 BPSK	135	0	23.80	23.74	23.65	24.5	0.5	
50	PI2 BPSK	135	68	24.10	24.13	24.17	25.0	0.0	
50	PI2 BPSK	135	135	23.81	23.72	23.66			
50	PI2 BPSK	270	0	23.50	23.62	23.64	24.5	0.5	
50	QPSK	1	1	23.85	23.82	23.80			
50	QPSK	1	135	24.15	24.12	24.07	25.0	0.0	
50	QPSK	1	268	23.86	23.76	23.70			
50	QPSK	135	0	23.12	23.08	23.03	24.0	1.0	
50	QPSK	135	68	24.25	24.23	24.15	25.0	0.0	
50	QPSK	135	135	23.17	23.12	23.08	24.0	1.0	
50	QPSK	270	0	23.16	23.04	23.01			
50	16QAM	1	1	22.52	22.47	22.42	24.0	1.0	
50	64QAM	1	1	21.09	21.02	21.00	22.5	2.5	
50	256QAM	1	1	19.87	19.76	19.70	20.5	4.5	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.78	23.55	23.61	25.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	503000	507000	511000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	23.89	23.83	23.73	25.0	0.0	
Channel									
Frequency (MHz)									
25	PI2 BPSK	1	1	24.12	23.87	23.90	25.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.98	23.88	23.82	25.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	23.95	23.78	23.76	25.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	23.92	23.83	23.79	25.0	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	23.88	23.84	23.78	25.0	0.0	

n66_Ant 0(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.23	22.24	22.14			
40	PI2 BPSK	1	108	22.64	22.79	22.66	24.0	0.0	
40	PI2 BPSK	1	214	22.21	22.31	22.22			
40	PI2 BPSK	108	0	22.82	22.83	22.41	23.5	0.5	
40	PI2 BPSK	108	54	22.64	22.67	22.59	24.0	0.0	
40	PI2 BPSK	108	108	22.41	22.82	22.81			
40	PI2 BPSK	216	0	22.50	22.56	22.45	23.5	0.5	
40	QPSK	1	1	22.27	22.42	22.40			
40	QPSK	1	108	22.56	22.66	22.61	24.0	0.0	
40	QPSK	1	214	22.15	22.32	22.29			
40	QPSK	108	0	21.87	21.97	21.94	23.0	1.0	
40	QPSK	108	54	22.45	22.65	22.45	24.0	0.0	
40	QPSK	108	108	21.92	21.99	21.84	23.0	1.0	
40	QPSK	216	0	21.87	21.97	21.89			
40	16QAM	1	1	21.14	21.31	21.26	23.0	1.0	
40	64QAM	1	1	19.78	19.84	19.64	21.5	2.5	
40	256QAM	1	1	18.33	18.43	18.30	19.5	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.10	22.33	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	345000	349000	353000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	22.13	22.25	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	22.08	22.31	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	22.09	22.34	21.94	24.0	0.0	

n66_Ant 1(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.09	23.17	23.13			
40	PI2 BPSK	1	108	23.74	23.79	23.70	24.5	0.0	
40	PI2 BPSK	1	214	23.03	23.14	23.01			
40	PI2 BPSK	108	0	23.00	23.08	22.90	24.0	0.5	
40	PI2 BPSK	108	54	23.56	23.74	23.67	24.5	0.0	
40	PI2 BPSK	108	108	22.80	22.87	22.79			
40	PI2 BPSK	216	0	22.81	22.98	22.78	24.0	0.5	
40	QPSK	1	1	22.98	23.05	23.03			
40	QPSK	1	108	23.57	23.69	23.53	24.5	0.0	
40	QPSK	1	214	22.95	23.07	22.96			
40	QPSK	108	0	22.38	22.45	22.36	23.5	1.0	
40	QPSK	108	54	23.52	23.67	23.61	24.5	0.0	
40	QPSK	108	108	22.36	22.54	22.51	23.5	1.0	
40	QPSK	216	0	22.40	22.48	22.42			
40	16QAM	1	1	21.62	21.75	21.68	23.5	1.0	
40	64QAM	1	1	20.13	20.31	20.11	22.0	2.5	
40	256QAM	1	1	18.65	18.96	18.89	20.0	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	23.04	23.15	23.11	24.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	345000	349000	353000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	22.82	23.14	23.06	24.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	23.03	23.14	23.12	24.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	23.00	23.09	23.08	24.5	0.0	



n66_Ant 3(Default)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1790	1745	1760		
40	PI2 BPSK	1	1	22.71	22.89	22.88	24.5	0.0
40	PI2 BPSK	1	108	22.47	22.58	22.53		
40	PI2 BPSK	1	214	22.88	22.97	22.90		
40	PI2 BPSK	108	0	22.73	22.78	22.73	24.0	0.5
40	PI2 BPSK	108	54	23.50	23.54	23.47	24.5	0.0
40	PI2 BPSK	108	108	22.71	22.72	22.53	24.0	0.5
40	PI2 BPSK	216	0	22.64	22.82	22.82		
40	QPSK	1	1	22.71	22.82	22.72		
40	QPSK	1	108	23.39	23.51	23.31	24.5	0.0
40	QPSK	1	214	22.81	22.80	22.72		
40	QPSK	108	0	22.17	22.21	22.15	23.5	1.0
40	QPSK	108	54	23.25	23.39	23.30	24.5	0.0
40	QPSK	108	108	22.14	22.21	22.03	23.5	1.0
40	QPSK	216	0	22.21	22.25	22.08	23.5	1.0
40	16QAM	1	1	21.43	21.53	21.47	23.5	1.0
40	64QAM	1	1	19.97	20.12	20.09	22.0	2.5
40	256QAM	1	1	18.57	18.71	18.84	20.0	4.5
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR
Channel				1725	1745	1765	24.5	0.0
30	PI2 BPSK	1	1	22.99	22.95	23.06	24.5	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR
Channel				1720	1745	1770	24.5	0.0
20	PI2 BPSK	1	1	22.97	22.93	23.03	24.5	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR
Channel				1717.5	1745	1772.5	24.5	0.0
15	PI2 BPSK	1	1	22.93	22.97	23.14	24.5	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR
Channel				1715	1745	1775	24.5	0.0
10	PI2 BPSK	1	1	23.01	23.01	23.12	24.5	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR
Channel				1712.5	1745	1777.5	24.5	0.0
5	PI2 BPSK	1	1	23.01	22.99	23.11	24.5	0.0

n66_Ant 5(Default)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1790	1745	1760		
40	PI2 BPSK	1	1	23.24	23.23	23.35	24.5	0.0
40	PI2 BPSK	1	108	22.97	23.05	23.02		
40	PI2 BPSK	1	214	23.38	23.34	23.39		
40	PI2 BPSK	108	0	23.20	23.33	23.38	24.0	0.5
40	PI2 BPSK	108	54	23.95	23.99	23.98	24.5	0.0
40	PI2 BPSK	108	108	23.24	23.29	23.37	24.0	0.5
40	PI2 BPSK	216	0	23.33	23.57	23.47		
40	QPSK	1	1	23.22	23.24	23.27		
40	QPSK	1	108	23.91	23.90	23.91	24.5	0.0
40	QPSK	1	214	23.26	23.28	23.29		
40	QPSK	108	0	22.60	22.76	22.85	23.5	1.0
40	QPSK	108	54	23.84	23.86	23.83	24.5	0.0
40	QPSK	108	108	22.72	22.76	22.76	23.5	1.0
40	QPSK	216	0	22.72	22.82	22.87	23.5	1.0
40	16QAM	1	1	21.99	21.95	22.04	23.5	1.0
40	64QAM	1	1	20.51	20.57	20.61	22.0	2.5
40	256QAM	1	1	19.04	19.13	19.23	20.0	4.5
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR
Channel				1725	1745	1765	24.5	0.0
30	PI2 BPSK	1	1	23.02	23.10	23.16	24.5	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR
Channel				1720	1745	1770	24.5	0.0
20	PI2 BPSK	1	1	23.25	23.33	23.29	24.5	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR
Channel				1717.5	1745	1772.5	24.5	0.0
15	PI2 BPSK	1	1	23.18	23.38	23.31	24.5	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR
Channel				1715	1745	1775	24.5	0.0
10	PI2 BPSK	1	1	23.30	23.22	23.19	24.5	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR
Channel				1712.5	1745	1777.5	24.5	0.0
5	PI2 BPSK	1	1	23.18	23.25	23.30	24.5	0.0



n5_Ant 0(DS10)									
BW (MHz)	Modulation	RB 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	24.41	24.44	24.43			
20	PI2 BPSK	1	53	24.59	24.62	24.61	25.5	0.0	
20	PI2 BPSK	1	104	24.42	24.45	24.44			
20	PI2 BPSK	50	0	24.67	24.62	24.61	25.0	0.5	
20	PI2 BPSK	50	28	24.58	24.56	24.56	25.5	0.0	
20	PI2 BPSK	50	56	24.53	24.56	24.55	25.0	0.5	
20	PI2 BPSK	100	0	24.67	24.60	24.59			
20	QPSK	1	1	24.35	24.38	24.37			
20	QPSK	1	53	24.50	24.53	24.52	25.5	0.0	
20	QPSK	1	104	24.33	24.36	24.35			
20	QPSK	50	0	24.52	24.55	24.54	24.5	1.0	
20	QPSK	50	28	24.45	24.48	24.47	25.5	0.0	
20	QPSK	50	56	24.43	24.46	24.45	24.5	1.0	
20	QPSK	100	0	24.47	24.50	24.49			
20	16QAM	1	1	23.07	23.10	23.09	24.5	1.0	
20	64QAM	1	1	21.89	21.72	21.61	23.0	2.5	
20	256QAM	1	1	21.19	20.21	20.21	21.0	4.5	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	24.41	24.52	24.39	25.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	24.50	24.52	24.45	25.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	24.44	24.51	24.53	25.5	0.0	

n5_Ant 2(DS10)									
BW (MHz)	Modulation	RB 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	20.14	20.08	20.75			
20	PI2 BPSK	1	53	20.91	20.97	20.95	22.0	0.0	
20	PI2 BPSK	1	104	20.82	20.81	20.74			
20	PI2 BPSK	50	0	20.77	20.88	20.72	22.0	0.0	
20	PI2 BPSK	50	28	20.83	20.91	20.83	22.0	0.0	
20	PI2 BPSK	50	56	20.82	20.88	20.75	22.0	0.0	
20	PI2 BPSK	100	0	20.86	20.91	20.80			
20	QPSK	1	1	20.64	20.69	20.82			
20	QPSK	1	53	20.82	20.90	20.84	22.0	0.0	
20	QPSK	1	104	20.70	20.71	20.62			
20	QPSK	50	0	20.80	20.82	20.68	22.0	0.0	
20	QPSK	50	28	20.85	20.89	20.86	22.0	0.0	
20	QPSK	50	56	20.59	20.66	20.56	22.0	0.0	
20	QPSK	100	0	20.76	20.89	20.75			
20	16QAM	1	1	20.31	20.38	20.34	22.0	0.0	
20	64QAM	1	1	20.42	20.46	20.39	22.0	0.0	
20	256QAM	1	1	19.39	19.43	19.31	20.5	1.5	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	20.68	20.71	20.70	22.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	20.73	20.76	20.71	22.0	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	20.84	20.82	20.85	22.0	0.0	

n7_Ant 0(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	23.27	23.42	23.33			
50	PI2 BPSK	1	135	23.69	23.66	23.77	24.5	0.0	
50	PI2 BPSK	1	268	23.49	23.58	23.57			
50	PI2 BPSK	135	0	23.03	23.05	23.16	24.0	0.5	
50	PI2 BPSK	135	68	23.72	23.70	23.76	24.5	0.0	
50	PI2 BPSK	135	135	23.20	23.23	23.14	24.0	0.5	
50	PI2 BPSK	270	0	23.14	23.09	23.23			
50	QPSK	1	1	23.12	23.22	23.16			
50	QPSK	1	135	23.48	23.52	23.61	24.5	0.0	
50	QPSK	1	268	23.40	23.55	23.41			
50	QPSK	135	0	22.47	22.51	22.40	23.5	1.0	
50	QPSK	135	68	23.63	23.73	23.67	24.5	0.0	
50	QPSK	135	135	22.85	22.72	22.86	23.5	1.0	
50	QPSK	270	0	22.52	22.56	22.54			
50	16QAM	1	1	21.95	22.02	22.01	23.5	1.0	
50	64QAM	1	1	20.32	20.44	20.36	22.0	2.5	
50	256QAM	1	1	19.20	19.22	18.15	20.0	4.5	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.36	23.30	23.28	24.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	23.38	23.34	23.34	24.5	0.0	
Channel									
Frequency (MHz)									
25	PI2 BPSK	1	1	23.32	23.34	23.31	24.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.23	23.39	23.26	24.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	23.32	23.36	23.30	24.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	23.35	23.33	23.33	24.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	23.32	23.36	23.26	24.5	0.0	



n7_Ant 1(DSI0)							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 505000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 509000	MPR (dB)
Channel							
Frequency (MHz)							
50	PI2 BPSK	1	1	23.85	24.00	24.12	0.0
50	PI2 BPSK	1	135	24.12	24.33	24.35	25.0
50	PI2 BPSK	1	268	23.98	24.11	24.14	0.0
50	PI2 BPSK	135	0	23.65	23.76	23.80	24.5
50	PI2 BPSK	135	68	24.06	24.13	24.16	25.0
50	PI2 BPSK	135	135	23.78	23.88	23.94	24.5
50	PI2 BPSK	270	0	23.69	23.75	23.80	25.0
50	QPSK	1	1	23.83	24.05	24.10	0.0
50	QPSK	1	135	24.12	24.33	24.25	25.0
50	QPSK	1	268	23.88	24.09	24.11	0.0
50	QPSK	135	0	23.05	23.16	23.19	24.0
50	QPSK	135	68	24.22	24.31	24.33	25.0
50	QPSK	135	135	22.98	23.09	23.14	24.0
50	QPSK	270	0	22.76	22.88	22.90	24.0
50	16QAM	1	1	22.37	22.55	22.58	24.0
50	16QAM	1	1	20.98	21.05	21.13	22.5
50	256QAM	1	1	19.55	19.66	19.73	21.5
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	23.90	24.04	24.12	25.0
Channel							
Frequency (MHz)							
30	PI2 BPSK	1	1	23.87	23.94	24.07	25.0
Channel							
Frequency (MHz)							
25	PI2 BPSK	1	1	23.50	24.01	24.13	25.0
Channel							
Frequency (MHz)							
20	PI2 BPSK	1	1	23.80	23.89	24.09	25.0
Channel							
Frequency (MHz)							
15	PI2 BPSK	1	1	23.79	23.95	24.07	25.0
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	23.91	24.10	24.22	25.0
Channel							
Frequency (MHz)							
5	PI2 BPSK	1	1	23.79	24.02	24.09	25.0

n7_Ant 3(DSI0)							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 505000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 509000	MPR (dB)
Channel							
Frequency (MHz)							
50	PI2 BPSK	1	1	16.40	16.41	16.41	0.0
50	PI2 BPSK	1	135	16.71	16.69	16.72	17.5
50	PI2 BPSK	1	268	15.94	15.96	15.94	0.0
50	PI2 BPSK	135	0	16.35	16.39	16.32	17.5
50	PI2 BPSK	135	68	16.81	16.80	16.82	17.5
50	PI2 BPSK	135	135	16.26	16.24	16.24	17.5
50	PI2 BPSK	270	0	16.43	16.44	16.46	0.0
50	QPSK	1	1	16.34	16.31	16.32	0.0
50	QPSK	1	135	16.60	16.63	16.63	17.5
50	QPSK	1	268	15.85	15.91	15.84	0.0
50	QPSK	135	0	16.25	16.37	16.22	17.5
50	QPSK	135	68	16.59	16.57	16.55	17.5
50	QPSK	135	135	16.20	16.15	16.17	17.5
50	QPSK	270	0	16.37	16.40	16.35	17.5
50	16QAM	1	1	16.30	16.39	16.22	17.5
50	16QAM	1	1	16.31	16.40	16.29	17.5
50	256QAM	1	1	16.28	16.22	16.31	17.5
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	16.24	16.32	16.37	17.5
Channel							
Frequency (MHz)							
30	PI2 BPSK	1	1	16.35	16.29	16.38	17.5
Channel							
Frequency (MHz)							
25	PI2 BPSK	1	1	16.30	16.33	16.35	17.5
Channel							
Frequency (MHz)							
20	PI2 BPSK	1	1	16.24	16.30	16.27	17.5
Channel							
Frequency (MHz)							
15	PI2 BPSK	1	1	16.37	16.27	16.38	17.5
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	16.26	16.28	16.29	17.5
Channel							
Frequency (MHz)							
5	PI2 BPSK	1	1	16.30	16.39	16.36	17.5



n7_Ant 5(DS10)									
EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 505000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	16.60	16.64	16.70			
50	PI2 BPSK	1	135	16.91	16.89	16.96	17.5	0.0	
50	PI2 BPSK	1	269	16.52	16.55	16.56			
50	PI2 BPSK	135	0	16.72	16.72	16.78	17.5	0.0	
50	PI2 BPSK	135	68	16.87	16.89	16.84	17.5	0.0	
50	PI2 BPSK	135	135	16.82	16.85	16.84			
50	PI2 BPSK	270	0	16.81	16.88	16.89	17.5	0.0	
50	QPSK	1	1	16.60	16.53	16.71			
50	QPSK	1	135	16.81	16.80	16.87	17.5	0.0	
50	QPSK	1	269	16.47	16.44	16.43			
50	QPSK	135	0	16.62	16.68	16.75	17.5	0.0	
50	QPSK	135	68	16.78	16.80	16.83	17.5	0.0	
50	QPSK	135	135	16.76	16.73	16.72			
50	QPSK	270	0	16.72	16.79	16.87	17.5	0.0	
50	16QAM	1	1	16.74	16.87	16.83	17.5	0.0	
50	64QAM	1	1	16.72	16.79	16.79	17.5	0.0	
50	256QAM	1	1	16.89	16.85	16.86	17.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	16.43	16.36	16.36	17.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	16.64	16.64	16.48	17.5	0.0	
Channel									
Frequency (MHz)									
25	PI2 BPSK	1	1	16.65	16.72	16.65	17.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	16.65	16.71	16.58	17.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	16.60	16.61	16.51	17.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	16.57	16.67	16.53	17.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	16.64	16.67	16.52	17.5	0.0	

n66_Ant 0(DS10)									
EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.23	22.34	22.14			
40	PI2 BPSK	1	108	22.64	22.78	22.66	24.0	0.0	
40	PI2 BPSK	1	214	22.21	22.31	22.22			
40	PI2 BPSK	108	0	22.52	22.53	22.41	23.5	0.5	
40	PI2 BPSK	108	54	22.64	22.67	22.59	24.0	0.0	
40	PI2 BPSK	108	108	22.41	22.52	22.51			
40	PI2 BPSK	216	0	22.50	22.56	22.46	23.5	0.5	
40	QPSK	1	1	22.27	22.42	22.40			
40	QPSK	1	108	22.56	22.66	22.61	24.0	0.0	
40	QPSK	1	214	22.15	22.32	22.29			
40	QPSK	108	0	21.87	21.97	21.84	23.0	1.0	
40	QPSK	108	54	22.45	22.65	22.45	24.0	0.0	
40	QPSK	108	108	21.92	21.99	21.84			
40	QPSK	216	0	21.87	21.97	21.89	23.0	1.0	
40	16QAM	1	1	21.14	21.31	21.26	23.0	1.0	
40	64QAM	1	1	19.78	19.84	19.64	21.5	2.5	
40	256QAM	1	1	18.53	18.43	18.30	19.5	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.10	22.33	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.33	21.97	24.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	22.13	22.25	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	22.06	22.31	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	22.09	22.34	21.94	24.0	0.0	

n66_Ant 1(DS10)									
EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.09	23.17	23.13			
40	PI2 BPSK	1	108	23.74	23.78	23.70	24.5	0.0	
40	PI2 BPSK	1	214	23.03	23.14	23.01			
40	PI2 BPSK	108	0	23.00	23.08	22.90	24.0	0.5	
40	PI2 BPSK	108	54	23.56	23.74	23.67	24.5	0.0	
40	PI2 BPSK	108	108	22.90	22.97	22.79			
40	PI2 BPSK	216	0	22.81	22.98	22.79	24.0	0.5	
40	QPSK	1	1	22.98	23.05	23.03			
40	QPSK	1	108	23.57	23.69	23.53	24.5	0.0	
40	QPSK	1	214	22.95	23.07	22.98			
40	QPSK	108	0	22.38	22.42	22.36	23.5	1.0	
40	QPSK	108	54	23.52	23.67	23.61	24.5	0.0	
40	QPSK	108	108	22.36	22.54	22.51			
40	QPSK	216	0	22.40	22.48	22.42	23.5	1.0	
40	16QAM	1	1	21.62	21.75	21.68	23.5	1.0	
40	64QAM	1	1	20.13	20.31	20.11	22.0	2.5	
40	256QAM	1	1	18.65	18.98	18.89	20.0	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	23.04	23.15	23.11	24.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.97	23.04	23.11	24.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	23.03	23.14	23.08	24.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	23.03	23.14	23.12	24.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	23.00	23.09	23.08	24.5	0.0	



n66_Ant 3(DS10)								
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)				1720	1745	1760		
40	PI2 BPSK	1	1	17.94	17.92	17.94		
40	PI2 BPSK	1	108	18.53	18.58	18.54	19.5	0.0
40	PI2 BPSK	1	214	17.91	18.01	18.08		
40	PI2 BPSK	108	0	18.26	18.32	18.26	19.5	0.0
40	PI2 BPSK	108	54	18.50	18.56	18.49	19.5	0.0
40	PI2 BPSK	108	108	18.25	18.28	18.10	19.5	0.0
40	PI2 BPSK	216	0	18.12	18.32	18.13		
40	QPSK	1	1	17.87	17.91	17.87		
40	QPSK	1	108	18.47	18.49	18.48	19.5	0.0
40	QPSK	1	214	17.83	17.95	17.93		
40	QPSK	108	0	18.18	18.27	18.24	19.5	0.0
40	QPSK	108	54	18.46	18.49	18.47	19.5	0.0
40	QPSK	108	108	18.20	18.22	18.03	19.5	0.0
40	QPSK	216	0	18.05	18.27	18.02		
40	16QAM	1	1	18.45	18.40	18.42	19.5	0.0
40	16QAM	1	1	18.47	18.48	18.43	19.5	0.0
40	28QAM	1	1	18.33	18.45	18.35	19.5	0.0
Channel								
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	18.12	18.12	18.16	19.5	0.0
Channel								
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	18.43	18.41	18.46	19.5	0.0
Channel								
Frequency (MHz)				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	PI2 BPSK	1	1	1772.5	1745	1772.5	19.5	0.0
15	PI2 BPSK	1	1	18.48	18.50	18.54	19.5	0.0
Channel								
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	PI2 BPSK	1	1	18.43	18.45	18.47	19.5	0.0
Channel								
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	PI2 BPSK	1	1	18.52	18.53	18.57	19.5	0.0

n66_Ant 5(DS10)								
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)				1720	1745	1760		
40	PI2 BPSK	1	1	19.15	19.85	19.13		
40	PI2 BPSK	1	108	19.42	19.49	19.39	20.0	0.0
40	PI2 BPSK	1	214	18.73	18.75	18.77		
40	PI2 BPSK	108	0	19.06	19.10	19.11	20.0	0.0
40	PI2 BPSK	108	54	19.33	19.47	19.39	20.0	0.0
40	PI2 BPSK	108	108	19.04	19.06	19.04	20.0	0.0
40	PI2 BPSK	216	0	19.12	19.22	19.17		
40	QPSK	1	1	19.16	18.83	19.11		
40	QPSK	1	108	19.35	19.46	19.30	20.0	0.0
40	QPSK	1	214	18.84	18.70	18.85		
40	QPSK	108	0	18.96	19.00	19.10	20.0	0.0
40	QPSK	108	54	19.30	19.34	19.30	20.0	0.0
40	QPSK	108	108	18.95	18.99	18.94	20.0	0.0
40	QPSK	216	0	19.02	19.18	19.09		
40	16QAM	1	1	19.29	19.46	19.28	20.0	0.0
40	16QAM	1	1	19.38	19.30	19.25	20.0	0.0
40	28QAM	1	1	19.28	19.42	19.30	20.0	0.0
Channel								
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	18.44	18.24	18.45	20.0	0.0
Channel								
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	18.69	18.44	18.55	20.0	0.0
Channel								
Frequency (MHz)				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	PI2 BPSK	1	1	1772.5	1745	1772.5	20.0	0.0
15	PI2 BPSK	1	1	18.63	18.51	18.58	20.0	0.0
Channel								
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	PI2 BPSK	1	1	18.72	18.36	18.49	20.0	0.0
Channel								
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	PI2 BPSK	1	1	18.84	18.39	18.56	20.0	0.0



n5_Ant 0(DSI1)										
BW (MHz)	Modulation	RB 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	22.58	22.27	22.24				
20	PI2 BPSK	1	53	22.45	22.64	22.51	23.5	0.0		
20	PI2 BPSK	1	104	22.40	22.41	22.33				
20	PI2 BPSK	50	0	22.26	22.11	22.13	23.5	0.0		
20	PI2 BPSK	50	28	22.42	22.81	22.43	23.5	0.0		
20	PI2 BPSK	50	56	22.07	22.19	22.22	23.5	0.0		
20	PI2 BPSK	100	0	22.20	22.32	22.16				
20	QPSK	1	1	22.30	22.20	22.19				
20	QPSK	1	53	22.44	22.81	22.47	23.5	0.0		
20	QPSK	1	104	22.35	22.32	22.25				
20	QPSK	50	0	22.15	22.02	22.11	23.5	0.0		
20	QPSK	50	28	22.38	22.53	22.42	23.5	0.0		
20	QPSK	50	56	22.05	22.04	22.15				
20	QPSK	100	0	22.18	22.22	22.05	23.5	0.0		
20	16QAM	1	1	22.28	22.15	22.09	23.5	0.0		
20	64QAM	1	1	21.77	21.66	21.62	23.0	0.5		
20	256QAM	1	1	20.38	20.21	20.14	21.0	2.5		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	831.5	836.5	841.5				
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	22.48	22.34	22.28	23.5	0.0		
Channel										
Frequency (MHz)										
5	PI2 BPSK	1	1	22.41	22.32	22.34	23.5	0.0		

n5_Ant 2(DSI1)										
BW (MHz)	Modulation	RB 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	20.84	20.68	20.75				
20	PI2 BPSK	1	53	20.91	20.97	20.95	22.0	0.0		
20	PI2 BPSK	1	104	20.82	20.81	20.74				
20	PI2 BPSK	50	0	20.77	20.88	20.72	22.0	0.0		
20	PI2 BPSK	50	28	20.89	20.91	20.83	22.0	0.0		
20	PI2 BPSK	50	56	20.82	20.88	20.75	22.0	0.0		
20	PI2 BPSK	100	0	20.86	20.91	20.80				
20	QPSK	1	1	20.84	20.89	20.82				
20	QPSK	1	53	20.82	20.90	20.84	22.0	0.0		
20	QPSK	1	104	20.70	20.71	20.62				
20	QPSK	50	0	20.80	20.82	20.68	22.0	0.0		
20	QPSK	50	28	20.85	20.89	20.86	22.0	0.0		
20	QPSK	50	56	20.59	20.66	20.56				
20	QPSK	100	0	20.76	20.89	20.75	22.0	0.0		
20	16QAM	1	1	20.31	20.38	20.34	22.0	0.0		
20	64QAM	1	1	20.42	20.46	20.39	22.0	0.0		
20	256QAM	1	1	19.39	19.43	19.31	20.5	1.5		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	20.68	20.71	20.70	22.0	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	20.73	20.76	20.71	22.0	0.0		
Channel										
Frequency (MHz)										
5	PI2 BPSK	1	1	20.84	20.82	20.85	22.0	0.0		

n7_Ant 0(DSI1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	21.15	21.23	21.20				
50	PI2 BPSK	1	135	21.51	21.48	21.52	22.5	0.0		
50	PI2 BPSK	1	268	20.75	20.83	20.75				
50	PI2 BPSK	135	0	21.17	21.13	21.16	22.5	0.0		
50	PI2 BPSK	135	68	21.43	21.43	21.45	22.5	0.0		
50	PI2 BPSK	135	135	21.09	21.10	21.05	22.5	0.0		
50	PI2 BPSK	270	0	21.27	21.26	21.29				
50	QPSK	1	1	21.09	21.14	21.15				
50	QPSK	1	135	21.40	21.41	21.48	22.5	0.0		
50	QPSK	1	268	20.84	20.72	20.81				
50	QPSK	135	0	21.16	21.11	21.12	22.5	0.0		
50	QPSK	135	68	21.33	21.41	21.42	22.5	0.0		
50	QPSK	135	135	21.01	20.96	20.99				
50	QPSK	270	0	21.22	21.22	21.26	22.5	0.0		
50	16QAM	1	1	20.84	20.85	20.83	22.0	0.0		
50	64QAM	1	1	20.62	20.68	20.75	22.0	0.5		
50	256QAM	1	1	19.10	19.14	19.20	20.0	2.5		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	21.15	21.10	21.13	22.5	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	21.17	21.11	21.17	22.5	0.0		
Channel										
Frequency (MHz)										
25	PI2 BPSK	1	1	21.13	21.10	21.15	22.5	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	21.01	21.98	21.09	22.5	0.0		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	21.13	21.15	21.17	22.5	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	21.15	21.10	21.19	22.5	0.0		
Channel										
Frequency (MHz)										
5	PI2 BPSK	1	1	21.11	21.14	21.11	22.5	0.0		



n7_Ant 1(DS1)							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel							
Frequency (MHz)				2525	2535	2545	
50	PI2 BPSK	1	1	1672	1673	1672	
50	PI2 BPSK	1	135	1711	1710	1712	18.0
50	PI2 BPSK	1	268	1638	1633	1632	
50	PI2 BPSK	135	0	1675	1672	1671	18.0
50	PI2 BPSK	135	68	1636	1700	1702	18.0
50	PI2 BPSK	135	135	1684	1683	1687	18.0
50	PI2 BPSK	270	0	1678	1680	1686	18.0
50	QPSK	1	1	1671	1672	1684	
50	QPSK	1	135	1704	1705	1702	18.0
50	QPSK	1	268	1631	1626	1624	
50	QPSK	135	0	1672	1686	1684	18.0
50	QPSK	135	68	1686	1699	1699	18.0
50	QPSK	135	135	1630	1637	1637	18.0
50	QPSK	270	0	1687	1675	1680	18.0
50	16QAM	1	1	1638	1645	1634	18.0
50	16QAM	1	1	1623	1630	1618	18.0
50	256QAM	1	1	1473	1483	1477	18.0
Channel							
Frequency (MHz)				2500	2535	2550	
40	PI2 BPSK	1	1	1674	1677	1683	18.0
Channel							
Frequency (MHz)				505000	507000	511000	
30	PI2 BPSK	1	1	1671	1685	1680	18.0
Channel							
Frequency (MHz)				502000	507000	510000	
25	PI2 BPSK	1	1	1675	1673	1684	18.0
Channel							
Frequency (MHz)				502000	507000	510000	
20	PI2 BPSK	1	1	1607	1609	1681	18.0
Channel							
Frequency (MHz)				2507.5	2535	2562.5	
15	PI2 BPSK	1	1	1683	1686	1682	18.0
Channel							
Frequency (MHz)				507000	507000	513000	
10	PI2 BPSK	1	1	1677	1681	1693	18.0
Channel							
Frequency (MHz)				500000	507000	513500	
5	PI2 BPSK	1	1	1655	1674	1682	18.0

n7_Ant 3(DS1)							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel							
Frequency (MHz)				2525	2535	2545	
50	PI2 BPSK	1	1	1903	1902	1913	
50	PI2 BPSK	1	135	1982	1972	1985	20.5
50	PI2 BPSK	1	268	1944	1940	1940	
50	PI2 BPSK	135	0	1981	1971	1972	20.5
50	PI2 BPSK	135	68	1905	1902	1903	20.5
50	PI2 BPSK	135	135	1954	1956	1968	20.5
50	PI2 BPSK	270	0	1903	1972	1976	20.5
50	QPSK	1	1	1986	1954	1972	
50	QPSK	1	135	1975	1905	1974	20.5
50	QPSK	1	268	1934	1933	1931	
50	QPSK	135	0	1903	1908	1905	20.5
50	QPSK	135	68	1988	1979	1979	20.5
50	QPSK	135	135	1946	1948	1957	20.5
50	QPSK	270	0	1955	1966	1965	20.5
50	16QAM	1	1	1929	1922	1935	20.5
50	16QAM	1	1	1917	1908	1918	20.5
50	256QAM	1	1	1930	1908	1931	20.5
Channel							
Frequency (MHz)				2500	2535	2550	
40	PI2 BPSK	1	1	1918	1928	1925	20.5
Channel							
Frequency (MHz)				505000	507000	511000	
30	PI2 BPSK	1	1	1944	1943	1942	20.5
Channel							
Frequency (MHz)				502000	507000	511500	
25	PI2 BPSK	1	1	1951	1957	1957	20.5
Channel							
Frequency (MHz)				502000	507000	510000	
20	PI2 BPSK	1	1	1900	1904	1957	20.5
Channel							
Frequency (MHz)				2507.5	2535	2562.5	
15	PI2 BPSK	1	1	1904	1907	1906	20.5
Channel							
Frequency (MHz)				507000	507000	513000	
10	PI2 BPSK	1	1	1902	1907	1907	20.5
Channel							
Frequency (MHz)				2502.5	2535	2567.5	
5	PI2 BPSK	1	1	1906	1912	1909	20.5



n7_Ant 5(DS1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 505000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.22	19.15	19.22			
50	PI2 BPSK	1	135	19.64	19.58	19.65	20.5	0.0	
50	PI2 BPSK	1	269	19.88	19.50	19.88			
50	PI2 BPSK	135	0	19.31	19.24	19.27	20.5	0.0	
50	PI2 BPSK	135	68	19.36	19.30	19.39	20.5	0.0	
50	PI2 BPSK	135	135	19.21	19.18	19.20	20.5	0.0	
50	PI2 BPSK	270	0	19.28	19.32	19.33			
50	QPSK	1	1	19.18	19.09	19.20			
50	QPSK	1	135	19.62	19.33	19.49	20.5	0.0	
50	QPSK	1	269	19.83	19.81	19.76			
50	QPSK	135	0	19.30	19.17	19.26	20.5	0.0	
50	QPSK	135	68	19.34	19.43	19.57	20.5	0.0	
50	QPSK	135	135	19.62	19.87	19.83			
50	QPSK	270	0	19.24	19.29	19.32	20.5	0.0	
50	16QAM	1	1	19.41	19.29	19.32	20.5	0.0	
50	64QAM	1	1	19.27	19.18	19.21	20.5	0.0	
50	256QAM	1	1	19.38	19.39	19.35	20.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.47	19.33	19.37	20.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.19	19.61	19.49	20.5	0.0	
Channel									
Frequency (MHz)									
25	PI2 BPSK	1	1	19.34	19.15	19.19	20.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.16	19.16	19.07	20.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	19.16	19.03	19.02	20.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.13	19.11	19.04	20.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	19.10	19.11	19.03	20.5	0.0	

n66_Ant 0(DS1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.23	22.34	22.14			
40	PI2 BPSK	1	108	22.64	22.78	22.66	24.0	0.0	
40	PI2 BPSK	1	214	22.21	22.31	22.22			
40	PI2 BPSK	108	0	22.52	22.53	22.41	23.5	0.5	
40	PI2 BPSK	108	54	22.64	22.67	22.59	24.0	0.0	
40	PI2 BPSK	108	108	22.41	22.52	22.51			
40	PI2 BPSK	216	0	22.50	22.56	22.46	23.5	0.5	
40	QPSK	1	1	22.27	22.42	22.40			
40	QPSK	1	108	22.56	22.66	22.61	24.0	0.0	
40	QPSK	1	214	22.15	22.32	22.29			
40	QPSK	108	0	21.87	21.97	21.84	23.0	1.0	
40	QPSK	108	54	22.45	22.65	22.45	24.0	0.0	
40	QPSK	108	108	21.92	21.99	21.84			
40	QPSK	216	0	21.87	21.97	21.89	23.0	1.0	
40	16QAM	1	1	21.14	21.31	21.26	23.0	1.0	
40	64QAM	1	1	19.78	19.84	19.64	21.5	2.5	
40	256QAM	1	1	19.33	19.43	19.30	19.5	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.10	22.33	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.33	21.97	24.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	22.13	22.25	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	22.06	22.31	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	22.09	22.34	21.94	24.0	0.0	

n66_Ant 1(DS1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	21.87	21.89	21.80			
40	PI2 BPSK	1	108	22.23	22.30	22.25	23.5	0.0	
40	PI2 BPSK	1	214	21.58	21.51	21.55			
40	PI2 BPSK	108	0	21.88	21.96	21.93	23.5	0.0	
40	PI2 BPSK	108	54	22.23	22.24	22.21	23.5	0.0	
40	PI2 BPSK	108	108	21.81	21.84	21.83			
40	PI2 BPSK	216	0	22.01	22.06	21.92	23.5	0.0	
40	QPSK	1	1	21.83	21.78	21.69			
40	QPSK	1	108	22.16	22.29	22.20	23.5	0.0	
40	QPSK	1	214	21.48	21.40	21.47			
40	QPSK	108	0	21.77	21.81	21.84	23.5	0.0	
40	QPSK	108	54	22.13	22.21	22.12	23.5	0.0	
40	QPSK	108	108	21.72	21.78	21.75			
40	QPSK	216	0	21.87	22.00	21.88	23.5	0.0	
40	16QAM	1	1	21.87	21.80	21.48	23.5	0.0	
40	64QAM	1	1	21.39	21.35	21.29	22.0	1.5	
40	256QAM	1	1	19.84	19.89	19.82	20.0	3.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	21.84	21.85	21.79	23.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.77	21.76	21.76	23.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	21.73	21.74	21.72	23.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	21.81	21.86	21.81	23.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	21.76	21.79	21.74	23.5	0.0	



n66_Ant 3(DS11)								
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)				1750	1745	1750		
40	PI2 BPSK	1	1	2144	2143	2143		
40	PI2 BPSK	1	108	2203	2210	2204	23.0	0.0
40	PI2 BPSK	1	214	2142	2152	2157		
40	PI2 BPSK	108	0	2177	2181	2174	23.0	0.0
40	PI2 BPSK	108	84	2159	2207	2197	23.0	0.0
40	PI2 BPSK	108	108	2175	2178	2182	23.0	0.0
40	PI2 BPSK	216	0	2182	2182	2185		
40	QPSK	1	1	2138	2141	2138		
40	QPSK	1	108	2158	2203	2203	23.0	0.0
40	QPSK	1	214	2135	2138	2146		
40	QPSK	108	0	2187	2175	2172	23.0	0.0
40	QPSK	108	54	2190	2186	2192	23.0	0.0
40	QPSK	108	108	2187	2189	2156	23.0	0.0
40	QPSK	216	0	2155	2175	2183		
40	16QAM	1	1	2114	2114	2110	23.0	0.0
40	64QAM	1	1	2089	2099	2091	22.0	1.0
40	256QAM	1	1	1953	1959	1943	20.0	3.0
Channel								
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	2181	2181	2185	23.0	0.0
Channel								
Frequency (MHz)				34500	34900	35400	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	2195	2192	2195	23.0	0.0
Channel								
Frequency (MHz)				34300	34900	35400	Tune-up limit (dBm)	MPR (dB)
15	PI2 BPSK	1	1	2158	2202	2205	23.0	0.0
Channel								
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	PI2 BPSK	1	1	2192	2197	2199	23.0	0.0
Channel								
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	PI2 BPSK	1	1	2204	2205	2206	23.0	0.0

n66_Ant 5(DS11)								
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)				1750	1745	1750		
40	PI2 BPSK	1	1	2012	2018	2018		
40	PI2 BPSK	1	108	2143	2145	2131	22.5	0.0
40	PI2 BPSK	1	214	2004	2005	2088		
40	PI2 BPSK	108	0	2115	2103	2114	22.5	0.0
40	PI2 BPSK	108	84	2134	2137	2138	22.5	0.0
40	PI2 BPSK	108	108	2108	2107	2094	22.5	0.0
40	PI2 BPSK	216	0	2119	2123	2115		
40	QPSK	1	1	2053	2087	2038		
40	QPSK	1	108	2137	2143	2125	22.5	0.0
40	QPSK	1	214	2055	2080	2058		
40	QPSK	108	0	2106	2098	2108	22.5	0.0
40	QPSK	108	54	2127	2127	2135	22.5	0.0
40	QPSK	108	108	2090	2099	2085	22.5	0.0
40	QPSK	216	0	2112	2121	2104		
40	16QAM	1	1	2022	2032	2031	22.5	0.0
40	64QAM	1	1	2015	2017	2023	22.0	0.5
40	256QAM	1	1	1868	1878	1878	20.0	2.5
Channel								
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	2041	2054	2048	22.5	0.0
Channel								
Frequency (MHz)				34300	34900	35400	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	2064	2080	2062	22.5	0.0
Channel								
Frequency (MHz)				1712.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	PI2 BPSK	1	1	2054	2083	2065	22.5	0.0
Channel								
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	PI2 BPSK	1	1	2068	2088	2051	22.5	0.0
Channel								
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	PI2 BPSK	1	1	2057	2072	2082	22.5	0.0



n38_Ant 0(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	24.18	24.22	24.20	24.12	25.5	0.0
40	PUSC	1	53	24.22	24.24	24.23	24.15	25.5	0.0
40	PUSC	1	104	24.22	24.21	24.21	24.17	25.0	0.5
40	PUSC	50	0	24.20	24.18	24.14	24.00	25.0	0.5
40	PUSC	50	56	24.20	24.20	24.20	24.16	25.5	0.0
40	PUSC	50	56	24.18	24.22	24.15	24.00	25.0	0.5
40	PUSC	100	0	24.22	24.24	24.18	24.00	25.0	0.5
40	QPSK	1	1	24.13	24.17	24.15	24.00	25.5	0.0
40	QPSK	1	53	24.20	24.22	24.20	24.00	25.5	0.0
40	QPSK	1	104	24.20	24.20	24.20	24.00	25.5	0.0
40	QPSK	50	0	24.20	24.18	24.00	24.00	25.5	1.0
40	QPSK	50	56	24.20	24.20	24.20	24.00	25.5	0.0
40	QPSK	50	56	24.18	24.22	24.15	24.00	25.0	0.5
40	QPSK	100	0	24.22	24.24	24.00	24.00	25.5	1.0
40	QPSK	100	0	24.20	24.20	24.00	24.00	25.5	1.0
40	QPSK	100	0	24.18	24.18	24.00	24.00	25.5	1.0
40	QPSK	100	0	24.11	24.18	24.00	24.00	25.5	1.0
40	8QAM	1	1	24.20	24.20	24.20	24.00	24.5	1.0
40	8QAM	1	1	24.18	24.18	24.18	24.00	25.0	2.5
40	256QAM	1	1	24.20	24.20	24.20	24.00	21.0	4.5
Channel									
Frequency (MHz)									
30	PUSC	1	1	24.21	24.21	24.21	24.15	25.5	0.0
Channel									
Frequency (MHz)									
20	PUSC	1	1	24.20	24.18	24.18	24.10	25.5	0.0

n38_Ant 1(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	24.05	24.11	24.08	24.00	25.5	0.0
40	PUSC	1	53	24.01	24.13	24.07	24.00	25.5	0.0
40	PUSC	1	104	24.07	24.09	24.07	24.02	25.0	0.5
40	PUSC	50	0	24.20	24.21	24.20	24.00	25.0	0.5
40	PUSC	50	56	24.04	24.06	24.05	24.00	25.5	0.0
40	PUSC	50	56	24.00	24.07	24.03	24.00	25.0	0.5
40	PUSC	100	0	24.00	24.06	24.04	24.00	25.0	0.5
40	QPSK	1	1	24.07	24.01	24.04	24.00	25.5	0.0
40	QPSK	1	53	24.05	24.09	24.07	24.00	25.5	0.0
40	QPSK	1	104	24.04	24.06	24.04	24.00	25.5	0.0
40	QPSK	50	0	24.00	24.10	24.05	24.00	24.5	1.0
40	QPSK	50	56	24.00	24.11	24.05	24.00	25.5	0.0
40	QPSK	50	56	24.00	24.10	24.05	24.00	25.5	0.0
40	QPSK	50	56	24.00	24.10	24.05	24.00	24.5	1.0
40	QPSK	100	0	24.11	24.18	24.15	24.00	24.5	1.0
40	8QAM	1	1	24.00	24.02	24.01	24.00	24.5	1.0
40	8QAM	1	1	24.00	24.01	24.00	24.00	24.5	2.5
40	256QAM	1	1	24.01	24.03	24.01	24.00	21.0	4.5
Channel									
Frequency (MHz)									
30	PUSC	1	1	24.02	24.02	24.02	24.00	25.5	0.0
Channel									
Frequency (MHz)									
20	PUSC	1	1	24.01	24.00	24.00	24.00	25.5	0.0

n38_Ant 3(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	23.83	23.94	23.88	23.80	25.5	0.0
40	PUSC	1	53	24.02	24.06	24.01	24.00	25.5	0.0
40	PUSC	1	104	23.93	23.95	23.94	23.90	25.0	0.5
40	PUSC	50	0	23.93	23.97	23.95	23.90	25.0	0.5
40	PUSC	50	56	23.76	23.80	23.78	23.70	25.5	0.0
40	PUSC	50	56	23.72	23.84	23.79	23.70	25.0	0.5
40	PUSC	100	0	23.94	23.95	23.93	23.90	25.0	0.5
40	QPSK	1	1	23.97	23.91	23.94	23.90	25.5	0.0
40	QPSK	1	53	23.96	23.99	23.97	23.90	25.5	0.0
40	QPSK	1	104	23.95	23.94	23.95	23.90	25.5	0.0
40	QPSK	50	0	23.87	23.88	23.87	23.80	24.5	1.0
40	QPSK	50	56	23.80	23.84	23.82	23.80	25.5	0.0
40	QPSK	50	56	23.80	23.82	23.81	23.80	24.5	1.0
40	QPSK	100	0	23.95	23.89	23.89	23.80	24.5	1.0
40	8QAM	1	1	23.91	23.90	23.90	23.80	24.5	1.0
40	8QAM	1	1	23.87	23.88	23.88	23.80	23.0	2.5
40	256QAM	1	1	23.85	23.85	23.85	23.80	21.0	4.5
Channel									
Frequency (MHz)									
30	PUSC	1	1	23.81	23.81	23.81	23.80	25.5	0.0
Channel									
Frequency (MHz)									
20	PUSC	1	1	23.76	23.72	23.72	23.70	25.5	0.0

n38_Ant 5(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	24.05	24.12	24.08	24.00	25.5	0.0
40	PUSC	1	53	24.01	24.15	24.08	24.00	25.0	0.0
40	PUSC	1	104	24.03	24.01	24.04	24.00	24.5	0.5
40	PUSC	50	0	24.02	24.04	24.03	24.00	25.0	0.5
40	PUSC	50	56	24.01	24.00	24.00	24.00	25.0	0.0
40	PUSC	50	56	24.00	24.01	24.00	24.00	25.0	0.5
40	PUSC	100	0	24.04	24.07	24.06	24.00	25.0	0.5
40	QPSK	1	1	24.06	24.01	24.04	24.00	25.5	0.0
40	QPSK	1	53	24.03	24.09	24.06	24.00	25.5	0.0
40	QPSK	1	104	24.02	24.04	24.03	24.00	25.5	0.0
40	QPSK	50	0	23.98	24.02	24.00	24.00	25.0	1.0
40	QPSK	50	56	23.98	24.01	23.99	24.00	25.0	0.0
40	QPSK	50	56	23.98	24.00	23.99	24.00	25.0	0.0
40	QPSK	100	0	24.03	24.04	24.03	24.00	25.0	1.0
40	8QAM	1	1	24.00	24.01	24.00	24.00	24.5	1.0
40	8QAM	1	1	23.99	23.94	23.96	23.90	23.5	2.5
40	256QAM	1	1	24.02	24.05	24.03	24.00	21.0	4.5
Channel									
Frequency (MHz)									
30	PUSC	1	1	24.02	24.02	24.02	24.00	25.5	0.0
Channel									
Frequency (MHz)									
20	PUSC	1	1	24.04	24.01	24.04	24.00	25.0	0.0



n4_Ant 0(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Max. Ch. Power (dBm)	Time-up loss (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB-SSB	1	1	23.77	23.81	23.75			
100	PB-SSB	1	137	24.24	24.28	24.20	25.5	0.0	
100	PB-SSB	1	271	24.70	24.75	24.71			
100	PB-SSB	155	0	24.03	24.11	24.00	25.0	0.5	
100	PB-SSB	155	88	24.21	24.30	24.20	25.5	0.0	
100	PB-SSB	155	158	24.24	24.31	24.20	25.0	0.5	
100	PB-SSB	270	0	24.24	24.28	24.16			
100	QPSK	1	1	23.63	23.68	23.56			
100	QPSK	1	137	24.09	24.12	24.00	25.5	0.0	
100	QPSK	1	271	24.51	24.51	24.40			
100	QPSK	155	0	23.44	23.51	23.35	24.5	1.0	
100	QPSK	155	88	24.08	24.10	24.00	25.5	0.0	
100	QPSK	155	158	23.58	23.73	23.65	24.5	1.0	
100	QPSK	270	0	23.50	23.63	23.60			
100	16QAM	1	1	23.48	23.41	23.20	24.5	1.0	
100	16QAM	1	1	23.67	23.57	23.35	25.0	2.5	
100	256QAM	1	1	19.48	19.54	19.45	21.0	4.5	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.77	23.74	23.64	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.77	23.81	23.75			
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.63	23.68	23.56			
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.50	23.58	23.61	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.50	23.60	23.60			
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.44	23.48	23.40	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.23	23.28	23.21	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.11	23.09	23.14	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.11	23.09	23.14	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.04	23.08	23.06	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.02	23.03	23.03	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.02	23.03	23.03	25.5	0.0	

n41_Ant 1(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Max. Ch. Power (dBm)	Time-up loss (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB-SSB	1	1	24.07	23.95	23.95			
100	PB-SSB	1	137	24.37	24.39	24.31	25.5	0.0	
100	PB-SSB	1	271	24.20	24.24	24.12			
100	PB-SSB	155	0	24.32	24.30	24.31	25.0	0.5	
100	PB-SSB	155	88	24.08	24.07	24.08	25.5	0.0	
100	PB-SSB	155	158	24.04	24.11	24.00	25.0	0.5	
100	PB-SSB	270	0	24.31	24.24	24.20			
100	QPSK	1	1	24.05	23.80	23.90			
100	QPSK	1	137	24.34	24.42	24.30	25.5	0.0	
100	QPSK	1	271	24.01	24.06	24.00			
100	QPSK	155	0	23.85	23.78	23.74	24.5	1.0	
100	QPSK	155	88	24.14	24.30	24.21	25.5	0.0	
100	QPSK	155	158	24.05	24.11	24.02	24.5	1.0	
100	QPSK	270	0	23.95	23.98	23.97	24.5	1.0	
100	16QAM	1	1	22.83	22.66	22.81	24.5	1.0	
100	16QAM	1	1	21.07	21.10	21.04	23.0	2.5	
100	256QAM	1	1	19.88	19.76	19.72	21.0	4.5	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.87	23.84	23.73	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.87	23.97	23.84	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.30	23.84	23.81	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.04	23.68	23.69	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.02	23.92	23.89	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.94	23.89	23.89	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.02	23.82	23.81	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.11	24.02	24.04	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.04	23.88	23.88	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.02	23.92	23.92	25.5	0.0	

n41_Ant 3(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Max. Ch. Power (dBm)	Time-up loss (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB-SSB	1	1	23.57	23.62	23.59			
100	PB-SSB	1	137	24.42	24.24	24.20	25.5	0.0	
100	PB-SSB	1	271	23.52	23.58	23.53			
100	PB-SSB	155	0	23.78	23.83	23.73	25.0	0.5	
100	PB-SSB	155	88	24.46	24.53	24.37	25.5	0.5	
100	PB-SSB	155	158	23.81	23.91	23.87	25.0	0.5	
100	PB-SSB	270	0	23.72	23.82	23.73			
100	QPSK	1	1	23.47	23.56	23.48			
100	QPSK	1	137	24.31	24.43	24.31	25.5	0.0	
100	QPSK	1	271	23.46	23.56	23.44			
100	QPSK	155	0	23.21	23.21	23.13	24.5	1.0	
100	QPSK	155	88	24.40	24.47	24.33	25.5	0.0	
100	QPSK	155	158	23.28	23.37	23.27	24.5	1.0	
100	QPSK	270	0	23.07	23.21	23.09			
100	16QAM	1	1	22.21	22.34	22.24	24.5	1.0	
100	16QAM	1	1	20.58	20.80	20.70	23.0	2.5	
100	256QAM	1	1	19.12	19.43	19.40	21.0	4.5	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.57	23.59	23.50	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.57	23.62	23.57			
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.42	23.42	23.40	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.34	23.37	23.30	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.42	23.42	23.40	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.38	23.38	23.40	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.31	23.40	23.41	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.11	23.02	23.04	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.10	23.04	23.03	25.5	0.0	

n41_Ant 5(Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Max. Ch. Power (dBm)	Time-up loss (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB-SSB	1	1	24.11	24.20	24.20			
100	PB-SSB	1	137	25.00	25.12	24.98	26.0	0.0	
100	PB-SSB	1	271	24.24	24.30	24.25			
100	PB-SSB	155	0	24.51	24.54	24.46	25.0	0.5	
100	PB-SSB	155	88	24.55	24.55	24.56	25.0	0.0	
100	PB-SSB	155	158	24.45	24.51	24.47	25.0	0.5	
100	PB-SSB	270	0	24.27	24.42	24.40			
100	QPSK	1	1	24.12	24.21	24.13			
100	QPSK	1	137	24.89	24.87	24.85	26.0	0.0	
100	QPSK	1	271	24.20	24.26	24.26			
100	QPSK	155	0	23.83	23.87	23.83	25.0	1.0	
100	QPSK	155	88	25.01	25.01	24.99	26.0	0.0	
100	QPSK	155	158	23.75	23.80	23.82	25.0	1.0	
100	QPSK	270	0	23.89	23.80	23.85			
100	16QAM	1	1	22.70	22.81	22.64	24.0	1.0	
100	16QAM	1	1	21.13	21.24	21.08	23.0	2.5	
100	256QAM	1	1	19.79	19.82	19.75	21.0	4.5	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.11	24.10	24.00	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.11	24.10	24.00	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.04	24.04	24.00	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	24.04	24.04	24.00	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.97	23.97	23.97	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.91	23.91	23.91	25.5	0.0	
Channel									
Frequency (MHz)									
40	PB-SSB	1	1	23.84	24.03	24.03	25.5	0.0	



Par27Q n77_Ant 2(Default)									
BV (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
100	PV2 BPSK	1	1	22.40	22.30	22.20			
Channel									
Frequency (MHz)	1	1	1	22.40	22.30	22.20			
100	PV2 BPSK	1	1	22.40	22.30	22.20	24.0	0.0	
100	PV2 BPSK	1	271	22.12	22.21	22.18			
Channel									
Frequency (MHz)	1	1	271	22.12	22.21	22.18			
100	PV2 BPSK	1	271	22.12	22.21	22.18	24.0	0.0	
100	PV2 BPSK	155	5	22.22	22.21	22.24			
Channel									
Frequency (MHz)	1	1	155	22.22	22.21	22.24			
100	PV2 BPSK	155	5	22.22	22.21	22.24	24.0	0.0	
100	PV2 BPSK	155	138	22.24	22.23	22.21			
Channel									
Frequency (MHz)	1	1	155	22.24	22.23	22.21			
100	QPSK	1	1	22.10	22.21	22.27			
Channel									
Frequency (MHz)	1	1	1	22.10	22.21	22.27			
100	QPSK	1	1	22.10	22.21	22.27	24.0	0.0	
100	QPSK	1	271	22.25	22.29	22.18			
Channel									
Frequency (MHz)	1	1	271	22.25	22.29	22.18			
100	QPSK	1	271	22.25	22.29	22.18	24.0	0.0	
100	QPSK	155	5	22.22	22.28	22.21			
Channel									
Frequency (MHz)	1	1	155	22.22	22.28	22.21			
100	QPSK	155	5	22.22	22.28	22.21	24.0	0.0	
100	QPSK	155	138	22.20	22.28	22.24			
Channel									
Frequency (MHz)	1	1	155	22.20	22.28	22.24			
100	QPSK	155	138	22.20	22.28	22.24	24.0	0.0	
100	16QAM	1	1	21.20	21.33	21.28			
Channel									
Frequency (MHz)	1	1	1	21.20	21.33	21.28			
100	16QAM	1	1	21.20	21.33	21.28	24.0	0.0	
100	16QAM	1	1	20.77	20.78	20.77			
Channel									
Frequency (MHz)	1	1	1	20.77	20.78	20.77			
100	16QAM	1	1	20.77	20.78	20.77	24.0	0.0	

Par27O n77_Ant 2(Default)									
BV (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
100	PV2 BPSK	1	1	22.24	22.30	22.20			
Channel									
Frequency (MHz)	1	1	1	22.24	22.30	22.20			
100	PV2 BPSK	1	1	22.24	22.30	22.20	24.0	0.0	
100	PV2 BPSK	1	271	22.25	22.31	22.18			
Channel									
Frequency (MHz)	1	1	271	22.25	22.31	22.18			
100	PV2 BPSK	1	271	22.25	22.31	22.18	24.0	0.0	
100	PV2 BPSK	155	5	22.24	22.28	22.24			
Channel									
Frequency (MHz)	1	1	155	22.24	22.28	22.24			
100	PV2 BPSK	155	5	22.24	22.28	22.24	24.0	0.0	
100	PV2 BPSK	155	138	22.21	22.23	22.21			
Channel									
Frequency (MHz)	1	1	155	22.21	22.23	22.21			
100	QPSK	1	1	22.24	22.31	22.27			
Channel									
Frequency (MHz)	1	1	1	22.24	22.31	22.27			
100	QPSK	1	1	22.24	22.31	22.27	24.0	0.0	
100	QPSK	1	271	22.25	22.29	22.18			
Channel									
Frequency (MHz)	1	1	271	22.25	22.29	22.18			
100	QPSK	1	271	22.25	22.29	22.18	24.0	0.0	
100	QPSK	155	5	22.22	22.28	22.21			
Channel									
Frequency (MHz)	1	1	155	22.22	22.28	22.21			
100	QPSK	155	5	22.22	22.28	22.21	24.0	0.0	
100	QPSK	155	138	22.20	22.28	22.24			
Channel									
Frequency (MHz)	1	1	155	22.20	22.28	22.24			
100	QPSK	155	138	22.20	22.28	22.24	24.0	0.0	
100	16QAM	1	1	21.20	21.33	21.28			
Channel									
Frequency (MHz)	1	1	1	21.20	21.33	21.28			
100	16QAM	1	1	21.20	21.33	21.28	24.0	0.0	
100	16QAM	1	1	20.77	20.78	20.77			
Channel									
Frequency (MHz)	1	1	1	20.77	20.78	20.77			
100	16QAM	1	1	20.77	20.78	20.77	24.0	0.0	

Par27Q n77_Ant 4(Default)									
BV (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
100	PV2 BPSK	1	1	22.27					
Channel									
Frequency (MHz)	1	1	1	22.27					
100	PV2 BPSK	1	1	22.27			24.0	0.0	
100	PV2 BPSK	1	138	22.21					
Channel									
Frequency (MHz)	1	1	138	22.21					
100	PV2 BPSK	1	138	22.21			24.0	0.0	
100	PV2 BPSK	155	5	22.22					
Channel									
Frequency (MHz)	1	1	155	22.22					
100	PV2 BPSK	155	5	22.22			24.0	0.0	
100	PV2 BPSK	155	138	22.24					
Channel									
Frequency (MHz)	1	1	155	22.24					
100	QPSK	1	1	22.25					
Channel									
Frequency (MHz)	1	1	1	22.25					
100	QPSK	1	1	22.25			24.0	0.0	
100	QPSK	1	138	22.20					
Channel									
Frequency (MHz)	1	1	138	22.20					
100	QPSK	1	138	22.20			24.0	0.0	
100	QPSK	1	271	22.25					
Channel									
Frequency (MHz)	1	1	271	22.25					
100	QPSK	1	271	22.25			24.0	0.0	
100	QPSK	155	5	22.22					
Channel									
Frequency (MHz)	1	1	155	22.22					
100	QPSK	155	5	22.22			24.0	0.0	
100	QPSK	155	138	22.20					
Channel									
Frequency (MHz)	1	1	155	22.20					
100	QPSK	155	138	22.20			24.0	0.0	
100	16QAM	1	1	21.20					
Channel									
Frequency (MHz)	1	1	1	21.20					
100	16QAM	1	1	21.20			24.0	0.0	
100	16QAM	1	1	20.77					
Channel									
Frequency (MHz)	1	1	1	20.77					
100	16QAM	1	1	20.77			24.0	0.0	

Par27O n77_Ant 4(Default)									
BV (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
100	PV2 BPSK	1	1	22.40					
Channel									
Frequency (MHz)	1	1	1	22.40					
100	PV2 BPSK	1	1	22.40			24.0	0.0	
100	PV2 BPSK	1	138	22.20					
Channel									
Frequency (MHz)	1	1	138	22.20					
100	PV2 BPSK	1	138	22.20			24.0	0.0	
100	PV2 BPSK	155	5	22.22					
Channel									
Frequency (MHz)	1	1	155	22.22					
100	PV2 BPSK	155	5	22.22			24.0	0.0	
100	PV2 BPSK	155	138	22.20					
Channel									
Frequency (MHz)	1	1	155	22.20					
100	QPSK	1	1	22.24					
Channel									
Frequency (MHz)	1	1	1	22.24					
100	QPSK	1	1	22.24			24.0	0.0	
100	QPSK	1	138	22.20					
Channel									
Frequency (MHz)	1	1	138	22.20					
100	QPSK	1	138	22.20			24.0	0.0	
100	QPSK	1	271	22.25					
Channel									
Frequency (MHz)	1	1	271	22.25					
100	QPSK	1	271	22.25			24.0	0.0	
100	QPSK	155	5	22.22					
Channel									
Frequency (MHz)	1	1	155	22.22					
100	QPSK	155	5	22.22			24.0	0.0	
100	QPSK	155	138	22.20					
Channel									
Frequency (MHz)	1	1	155	22.20					
100	QPSK	155	138	22.20			24.0	0.0	
100	16QAM	1	1	21.20					
Channel									
Frequency (MHz)	1	1	1	21.20					
100	16QAM	1	1	21.20			24.0	0.0	
100	16QAM	1	1	20.77					
Channel									
Frequency (MHz)	1	1	1	20.77					
100	16QAM	1	1	20.77			24.0	0.0	



Part27Q n78_Ant 2(Default)										
BV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power High Ch. Power	Power Max. Ch. Power	Power High Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)
100	P10 BPSK	1	1	22.42						
100	P10 BPSK	1	1	22.32						
100	P10 BPSK	1	271	22.28						
100	P10 BPSK	155	5	22.35						
100	P10 BPSK	155	95	22.33						
100	P10 BPSK	155	135	22.43						
100	P10 BPSK	205	5	22.34						
100	QPSK	1	1	22.42						
100	QPSK	1	157	22.32						
100	QPSK	1	271	22.28						
100	QPSK	155	5	22.35						
100	QPSK	155	95	22.33						
100	QPSK	155	135	22.43						
100	QPSK	205	5	22.34						
100	150AM	1	1	21.18						
100	150AM	1	1	19.71						
100	250AM	1	1	18.42						
100	250AM	1	1	17.95						
100	250AM	1	1	17.52						
100	250AM	1	1	17.13						
100	250AM	1	1	16.78						
100	250AM	1	1	16.46						
100	250AM	1	1	16.17						
100	250AM	1	1	15.92						
100	250AM	1	1	15.69						
100	250AM	1	1	15.48						
100	250AM	1	1	15.29						
100	250AM	1	1	15.12						
100	250AM	1	1	14.97						
100	250AM	1	1	14.83						
100	250AM	1	1	14.71						
100	250AM	1	1	14.61						
100	250AM	1	1	14.52						
100	250AM	1	1	14.44						
100	250AM	1	1	14.37						
100	250AM	1	1	14.31						
100	250AM	1	1	14.26						
100	250AM	1	1	14.21						
100	250AM	1	1	14.17						
100	250AM	1	1	14.13						
100	250AM	1	1	14.10						
100	250AM	1	1	14.07						
100	250AM	1	1	14.04						
100	250AM	1	1	14.01						
100	250AM	1	1	13.98						
100	250AM	1	1	13.95						
100	250AM	1	1	13.92						
100	250AM	1	1	13.89						
100	250AM	1	1	13.86						
100	250AM	1	1	13.83						
100	250AM	1	1	13.80						
100	250AM	1	1	13.77						
100	250AM	1	1	13.74						
100	250AM	1	1	13.71						
100	250AM	1	1	13.68						
100	250AM	1	1	13.65						
100	250AM	1	1	13.62						
100	250AM	1	1	13.59						
100	250AM	1	1	13.56						
100	250AM	1	1	13.53						
100	250AM	1	1	13.50						
100	250AM	1	1	13.47						
100	250AM	1	1	13.44						
100	250AM	1	1	13.41						
100	250AM	1	1	13.38						
100	250AM	1	1	13.35						
100	250AM	1	1	13.32						
100	250AM	1	1	13.29						
100	250AM	1	1	13.26						
100	250AM	1	1	13.23						
100	250AM	1	1	13.20						
100	250AM	1	1	13.17						
100	250AM	1	1	13.14						
100	250AM	1	1	13.11						
100	250AM	1	1	13.08						
100	250AM	1	1	13.05						
100	250AM	1	1	13.02						
100	250AM	1	1	12.99						
100	250AM	1	1	12.96						
100	250AM	1	1	12.93						
100	250AM	1	1	12.90						
100	250AM	1	1	12.87						
100	250AM	1	1	12.84						
100	250AM	1	1	12.81						
100	250AM	1	1	12.78						
100	250AM	1	1	12.75						
100	250AM	1	1	12.72						
100	250AM	1	1	12.69						
100	250AM	1	1	12.66						
100	250AM	1	1	12.63						
100	250AM	1	1	12.60						
100	250AM	1	1	12.57						
100	250AM	1	1	12.54						
100	250AM	1	1	12.51						
100	250AM	1	1	12.48						
100	250AM	1	1	12.45						
100	250AM	1	1	12.42						
100	250AM	1	1	12.39						
100	250AM	1	1	12.36						
100	250AM	1	1	12.33						
100	250AM	1	1	12.30						
100	250AM	1	1	12.27						
100	250AM	1	1	12.24						
100	250AM	1	1	12.21						
100	250AM	1	1	12.18						
100	250AM	1	1	12.15						
100	250AM	1	1	12.12						
100	250AM	1	1	12.09						
100	250AM	1	1	12.06						
100	250AM	1	1	12.03						
100	250AM	1	1	12.00						
100	250AM	1	1	11.97						
100	250AM	1	1	11.94						
100	250AM	1	1	11.91						
100	250AM	1	1	11.88						
100	250AM	1	1	11.85						
100	250AM	1	1	11.82						
100	250AM	1	1	11.79						
100	250AM	1	1	11.76						
100	250AM	1	1	11.73						
100	250AM	1	1	11.70						
100	250AM	1	1	11.67						
100	250AM	1	1	11.64						
100	250AM	1	1	11.61						
100	250AM	1	1	11.58						
100	250AM	1	1	11.55						
100	250AM	1	1	11.52						
100	250AM	1	1	11.49						
100	250AM	1	1	11.46						
100	250AM	1	1	11.43						
100	250AM	1	1	11.40						
100	250AM	1	1	11.37						
100	250AM	1	1	11.34						
100	250AM	1	1	11.31						
100	250AM	1	1	11.28						
100	250AM	1	1	11.25						
100	250AM	1	1	11.22						
100	250AM	1	1	11.19						
100	250AM	1	1	11.16						
100	250AM	1	1	11.13						
100	250AM	1	1	11.10						
100	250AM	1	1	11.07						
100	250AM	1	1	11.04						
100	250AM	1	1	11.01						
100	250AM	1	1	10.98						
100	250AM	1	1	10.95						
100	250AM	1	1	10.92						
100	250AM	1	1	10.89						
100	250AM	1	1	10.86						
100	250AM	1	1	10.83						
100	250AM	1	1	10.80						
100	250AM	1	1	10.77						
100	250AM	1	1	10.74						
100	250AM	1	1	10.71						
100	250AM	1	1	10.68						
100	250AM	1	1	10.65						
100	250AM	1	1	10.62						
100	250AM	1	1	10.59						
100	250AM	1	1	10.56						
100	250AM	1	1	10.53						
100	250AM	1	1	10.50						
100	250AM	1	1	10.47						
100	250AM	1	1	10.44						
100	250AM	1	1	10.41						
100	250AM	1	1	10.38						
100	250AM	1	1	10.35						
100	250AM	1	1	10.32						
100	250AM	1	1	10.29						
100	250AM	1	1	10.26						
100	250AM	1	1	10.23						
100	250AM	1	1	10.20						
100	250AM	1	1	10.17						
100	250AM	1	1	10.14						
100	250AM	1	1	10.11						
100	250AM	1	1	10.08						
100	250AM	1	1	10.05						
100	250AM	1	1	10.02						
100	250AM	1	1	9.99						
100	250AM	1	1							



n41_Ant 0(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High (dBm)	Power Low (dBm)	MPR (dB)
100	PB2 BPSK	1	1	23.77	23.81	23.79	23.75	23.83	25.5
100	PB2 BPSK	1	137	25.04	25.08	25.06	25.02	25.10	0.0
100	PB2 BPSK	1	271	26.31	26.35	26.33	26.29	26.37	0.0
100	PB2 BPSK	155	0	24.03	24.11	24.06	24.00	24.12	0.0
100	PB2 BPSK	155	88	25.41	25.50	25.45	25.40	25.50	0.0
100	PB2 BPSK	155	158	24.24	24.31	24.28	24.24	24.32	0.0
100	PB2 BPSK	270	0	24.24	24.28	24.26	24.24	24.28	0.0
100	QPSK	1	1	23.63	23.68	23.66	23.63	23.69	25.5
100	QPSK	1	137	24.89	24.92	24.90	24.88	24.92	0.0
100	QPSK	1	271	26.16	26.21	26.19	26.16	26.22	0.0
100	QPSK	155	0	23.44	23.51	23.48	23.45	23.51	1.0
100	QPSK	155	88	24.88	24.90	24.89	24.87	24.91	0.0
100	QPSK	155	158	23.58	23.73	23.65	23.59	23.71	1.0
100	QPSK	270	0	23.50	23.63	23.56	23.50	23.62	1.0
100	8QAM	1	1	23.48	23.61	23.55	23.48	23.61	1.0
100	8QAM	1	1	23.07	23.07	23.05	23.03	23.07	2.5
100	25QAM	1	1	19.48	19.54	19.45	19.42	19.48	4.5
Channel									
40	PB2 BPSK	1	1	23.33	23.34	23.34	23.33	23.35	0.0
Frequency (MHz)									
40	Channel	507054	518698	520948	521098	521248	521398	521548	MPR
40	PB2 BPSK	1	1	24.43	24.60	24.51	24.50	24.52	0.0
Channel									
40	Channel	505030	518698	531366	531516	531666	531816	531966	MPR
40	PB2 BPSK	1	1	23.61	23.66	23.64	23.61	23.67	0.0
Channel									
40	Channel	504254	518698	532298	532448	532598	532748	532898	MPR
40	PB2 BPSK	1	1	23.50	23.65	23.58	23.50	23.65	0.0
Channel									
40	Channel	503478	518698	533222	533372	533522	533672	533822	MPR
40	PB2 BPSK	1	1	23.33	23.38	23.35	23.33	23.37	0.0
Channel									
40	Channel	502702	518698	534146	534296	534446	534596	534746	MPR
40	PB2 BPSK	1	1	23.14	23.14	23.13	23.13	23.13	0.0
Channel									
40	Channel	501926	518698	535070	535220	535370	535520	535670	MPR
40	PB2 BPSK	1	1	23.02	23.08	23.05	23.02	23.08	0.0

n41_Ant 1(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High (dBm)	Power Low (dBm)	MPR (dB)
100	PB2 BPSK	1	1	24.07	23.95	24.01	23.95	24.07	25.5
100	PB2 BPSK	1	137	24.37	24.39	24.38	24.31	24.45	0.0
100	PB2 BPSK	1	271	24.00	24.24	24.12	24.02	24.22	0.0
100	PB2 BPSK	155	0	24.32	24.38	24.35	24.31	24.40	0.0
100	PB2 BPSK	155	88	24.88	24.87	24.88	24.85	24.91	0.0
100	PB2 BPSK	155	158	24.54	24.71	24.63	24.55	24.71	0.0
100	PB2 BPSK	270	0	24.51	24.54	24.52	24.50	24.54	0.0
100	QPSK	1	1	24.05	23.80	23.93	23.80	24.05	25.5
100	QPSK	1	137	24.34	24.42	24.38	24.35	24.41	0.0
100	QPSK	1	271	24.08	24.06	24.07	24.03	24.11	0.0
100	QPSK	155	0	23.85	23.78	23.74	23.74	23.81	1.0
100	QPSK	155	88	24.74	24.80	24.77	24.73	24.81	0.0
100	QPSK	155	158	24.05	24.11	24.08	24.05	24.11	1.0
100	QPSK	270	0	23.95	23.98	23.97	23.95	23.99	0.0
100	8QAM	1	1	23.83	23.66	23.75	23.65	23.85	1.0
100	8QAM	1	1	23.07	23.18	23.14	23.04	23.24	2.5
100	25QAM	1	1	19.58	19.76	19.67	19.58	19.76	4.5
Channel									
40	PB2 BPSK	1	1	23.69	23.54	23.62	23.54	23.69	0.0
Frequency (MHz)									
40	Channel	507054	518698	520948	521098	521248	521398	521548	MPR
40	PB2 BPSK	1	1	23.07	23.07	23.07	23.07	23.07	0.0
Channel									
40	Channel	505030	518698	531366	531516	531666	531816	531966	MPR
40	PB2 BPSK	1	1	23.30	23.84	23.61	23.55	23.67	0.0
Channel									
40	Channel	504254	518698	532298	532448	532598	532748	532898	MPR
40	PB2 BPSK	1	1	24.02	23.92	23.99	23.93	24.05	0.0
Channel									
40	Channel	503478	518698	533222	533372	533522	533672	533822	MPR
40	PB2 BPSK	1	1	23.11	23.02	23.08	23.08	23.11	0.0
Channel									
40	Channel	502702	518698	534146	534296	534446	534596	534746	MPR
40	PB2 BPSK	1	1	23.04	23.04	23.04	23.04	23.04	0.0
Channel									
40	Channel	501926	518698	535070	535220	535370	535520	535670	MPR
40	PB2 BPSK	1	1	23.08	23.09	23.09	23.08	23.09	0.0

n41_Ant 3(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High (dBm)	Power Low (dBm)	MPR (dB)
100	PB2 BPSK	1	1	18.18	18.83	18.51	18.43	18.59	17.5
100	PB2 BPSK	1	137	18.43	18.89	18.66	18.58	18.74	0.0
100	PB2 BPSK	1	271	18.83	18.87	18.85	18.80	18.90	0.0
100	PB2 BPSK	155	0	18.33	18.48	18.40	18.35	18.45	0.0
100	PB2 BPSK	155	88	18.40	18.68	18.54	18.45	18.63	0.0
100	PB2 BPSK	155	158	18.46	18.43	18.45	18.41	18.49	0.0
100	PB2 BPSK	270	0	18.42	18.49	18.46	18.42	18.50	0.0
100	QPSK	1	1	18.17	18.77	18.78	18.74	18.82	17.5
100	QPSK	1	137	18.39	18.38	18.39	18.35	18.43	0.0
100	QPSK	1	271	18.46	18.78	18.62	18.51	18.73	0.0
100	QPSK	155	0	18.48	18.33	18.41	18.34	18.48	17.5
100	QPSK	155	88	18.80	18.55	18.61	18.51	18.71	0.0
100	QPSK	155	158	18.33	18.37	18.35	18.30	18.40	0.0
100	QPSK	270	0	18.38	18.47	18.43	18.35	18.51	0.0
100	8QAM	1	1	18.41	18.54	18.48	18.43	18.54	0.0
100	8QAM	1	1	18.45	18.38	18.45	18.35	18.54	0.0
100	25QAM	1	1	18.58	18.59	18.51	18.51	18.51	0.0
Channel									
40	PB2 BPSK	1	1	18.17	18.27	18.22	18.17	18.27	0.0
Frequency (MHz)									
40	Channel	507054	518698	520948	521098	521248	521398	521548	MPR
40	PB2 BPSK	1	1	18.17	18.17	18.17	18.17	18.17	0.0
Channel									
40	Channel	505030	518698	531366	531516	531666	531816	531966	MPR
40	PB2 BPSK	1	1	18.34	18.70	18.52	18.42	18.62	0.0
Channel									
40	Channel	504254	518698	532298	532448	532598	532748	532898	MPR
40	PB2 BPSK	1	1	18.02	18.82	18.42	18.25	18.59	0.0
Channel									
40	Channel	503478	518698	533222	533372	533522	533672	533822	MPR
40	PB2 BPSK	1	1	18.11	18.74	18.43	18.25	18.61	0.0
Channel									
40	Channel	502702	518698	534146	534296	534446	534596	534746	MPR
40	PB2 BPSK	1	1	18.10	18.74	18.42	18.25	18.59	0.0
Channel									
40	Channel	501926	518698	535070	535220	535370	535520	535670	MPR
40	PB2 BPSK	1	1	18.19	18.71	18.45	18.25	18.65	0.0

n41_Ant 5(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High (dBm)	Power Low (dBm)	MPR (dB)
100	PB2 BPSK	1	1	18.52	18.40	18.42	18.42	18.42	18.0
100	PB2 BPSK	1	137	17.23	17.26	17.21	17.21	17.21	0.0
100	PB2 BPSK	1	271	18.48	18.30	18.39	18.30	18.48	0.0
100	PB2 BPSK	155	0	17.15	17.10	17.15	17.10	17.15	0.0
100	PB2 BPSK	155	88	17.16	17.28	17.16	17.16	17.16	0.0
100	PB2 BPSK	155	158	17.08	17.00	17.05	17.00	17.10	0.0
100	PB2 BPSK	270	0	18.31	18.20	18.25	18.20	18.30	0.0
100	QPSK	1	1	18.44	18.31	18.34	18.34	18.34	18.0
100	QPSK	1	137	17.16	17.10	17.11	17.10	17.11	0.0
100	QPSK	1	271	18.36	18.26	18.31	18.26	18.36	0.0
100	QPSK	155	0	17.11	17.10	17.11	17.10	17.11	0.0
100	QPSK	155	88	17.18	17.10	17.19	17.10	17.20	0.0
100	QPSK	155	158	18.07	18.06	18.07	18.06	18.07	0.0
100	QPSK	270	0	18.81	18.80	18.75	18.70	18.80	0.0
100	8QAM	1	1	17.20	17.20	17.20	17.20	1	



Par27Q n77_Ant 6(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Max Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency MHz									
100	PVO BPSK	1	1	15.30		15.31			
100	PVO BPSK	1	181	15.27	15.28	15.29	17.5	0.0	
100	PVO BPSK	1	271	15.21		15.22			
100	PVO BPSK	150	6	15.24		15.25	17.5	0.0	
100	PVO BPSK	150	56	15.05		15.06	17.5	0.0	
100	PVO BPSK	150	156	15.04		15.05	17.5	0.0	
100	QPSK	1	1	15.27		15.28			
100	QPSK	1	181	15.02		15.03	17.5	0.0	
100	QPSK	1	271	15.22		15.23			
100	QPSK	150	6	15.02		15.03	17.5	0.0	
100	QPSK	150	56	15.28		15.29	17.5	0.0	
100	QPSK	150	156	15.27		15.28	17.5	0.0	
100	16QAM	1	1	15.25		15.26	17.5	0.0	
100	16QAM	1	1	15.28		15.29	17.5	0.0	
100	256QAM	1	1	15.24		15.25	17.5	0.0	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	15.30	15.31	15.32			
80	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	15.30	15.31	15.32			
80	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	15.30	15.31	15.32			
80	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	15.30	15.31	15.32			
40	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	15.30	15.31	15.32			
40	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	

Par27O n77_Ant 6(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Max Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency MHz									
100	PVO BPSK	1	1	15.30	15.30	15.31			
100	PVO BPSK	1	181	15.27	15.28	15.29	17.5	0.0	
100	PVO BPSK	1	271	15.22	15.23	15.24			
100	PVO BPSK	150	6	15.24	15.25	15.26	17.5	0.0	
100	PVO BPSK	150	56	15.05	15.05	15.06	17.5	0.0	
100	PVO BPSK	150	156	15.04	15.04	15.05	17.5	0.0	
100	QPSK	1	1	15.27	15.27	15.28			
100	QPSK	1	181	15.02	15.03	15.04	17.5	0.0	
100	QPSK	1	271	15.22	15.23	15.24			
100	QPSK	150	6	15.02	15.03	15.04	17.5	0.0	
100	QPSK	150	56	15.28	15.29	15.30	17.5	0.0	
100	QPSK	150	156	15.27	15.28	15.29	17.5	0.0	
100	16QAM	1	1	15.25	15.25	15.26	17.5	0.0	
100	16QAM	1	1	15.28	15.28	15.29	17.5	0.0	
100	256QAM	1	1	15.24	15.24	15.25	17.5	0.0	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	15.30	15.31	15.32			
80	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	15.30	15.31	15.32			
80	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	15.30	15.31	15.32			
40	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	15.30	15.31	15.32			
40	PVO BPSK	1	1	15.33	15.34	15.35	Turn-up time (dB)	MFR	

Par27Q n77_Ant 11(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Max Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency MHz									
100	PVO BPSK	1	1	22.20		22.21			
100	PVO BPSK	1	181	22.17		22.18	24.5	0.0	
100	PVO BPSK	1	271	22.11		22.12			
100	PVO BPSK	150	6	22.14		22.15	24.5	0.0	
100	PVO BPSK	150	56	22.05		22.06	24.5	0.0	
100	PVO BPSK	150	156	22.04		22.05	24.0	0.5	
100	QPSK	1	1	22.20		22.21			
100	QPSK	1	181	22.11		22.12	24.5	0.0	
100	QPSK	1	271	22.12		22.13			
100	QPSK	150	6	22.14		22.15	24.5	0.0	
100	QPSK	150	56	22.05		22.06	24.5	0.0	
100	QPSK	150	156	22.04		22.05	23.5	1.0	
100	16QAM	1	1	22.18		22.19	23.5	1.0	
100	16QAM	1	1	22.21		22.22	23.5	1.0	
100	256QAM	1	1	22.20		22.21	23.5	1.0	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	22.20	22.21	22.22			
80	PVO BPSK	1	1	22.23	22.24	22.25	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	22.20	22.21	22.22			
80	PVO BPSK	1	1	22.23	22.24	22.25	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	22.20	22.21	22.22			
40	PVO BPSK	1	1	22.23	22.24	22.25	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	22.20	22.21	22.22			
40	PVO BPSK	1	1	22.23	22.24	22.25	Turn-up time (dB)	MFR	

Par27O n77_Ant 11(DS10)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Max Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency MHz									
100	PVO BPSK	1	1	22.44	22.45	22.46			
100	PVO BPSK	1	181	22.41	22.42	22.43	24.5	0.0	
100	PVO BPSK	1	271	22.35	22.36	22.37			
100	PVO BPSK	150	6	22.38	22.39	22.40	24.5	0.0	
100	PVO BPSK	150	56	22.29	22.30	22.31	24.5	0.0	
100	PVO BPSK	150	156	22.28	22.29	22.30	24.0	0.5	
100	QPSK	1	1	22.44	22.45	22.46			
100	QPSK	1	181	22.35	22.36	22.37	24.5	0.0	
100	QPSK	1	271	22.36	22.37	22.38			
100	QPSK	150	6	22.38	22.39	22.40	24.5	0.0	
100	QPSK	150	56	22.29	22.30	22.31	24.5	0.0	
100	QPSK	150	156	22.28	22.29	22.30	23.5	1.0	
100	16QAM	1	1	22.42	22.43	22.44	23.5	1.0	
100	16QAM	1	1	22.45	22.46	22.47	23.5	1.0	
100	256QAM	1	1	22.44	22.45	22.46	23.5	1.0	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	22.44	22.45	22.46			
80	PVO BPSK	1	1	22.47	22.48	22.49	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	22.44	22.45	22.46			
80	PVO BPSK	1	1	22.47	22.48	22.49	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	22.44	22.45	22.46			
40	PVO BPSK	1	1	22.47	22.48	22.49	Turn-up time (dB)	MFR	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	22.44	22.45	22.46			
40	PVO BPSK	1	1	22.47	22.48	22.49	Turn-up time (dB)	MFR	



n38_Ant 0(DSI1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Mean Ch. (Frac. S1900K)	Turn-up loss (dBm)	MPE (dB)	
Channel									
40	PUSC	1	1	20.67	20.75	20.70			
40	PUSC	1	53	21.23	21.45	21.31	22.5	0.0	
40	PUSC	1	104	20.73	20.75	20.81			
40	PUSC	50	0	20.69	20.87	20.75	22.5	0.0	
40	PUSC	50	28	21.25	21.41	21.28	22.5	0.0	
40	PUSC	50	56	20.67	20.79	20.70	22.5	0.0	
40	PUSC	100	0	20.74	20.79	20.81			
40	QPSK	1	1	20.68	20.69	20.71	22.5	0.0	
40	QPSK	1	53	21.43	21.41	21.38			
40	QPSK	1	104	20.71	20.84	20.86			
40	QPSK	50	0	20.67	20.53	20.61	22.5	0.0	
40	QPSK	50	28	21.22	21.37	21.28	22.5	0.0	
40	QPSK	50	56	20.69	20.69	20.67	22.5	0.0	
40	QPSK	100	0	20.77	20.88	20.87			
40	16QAM	1	1	21.22	21.74	20.98	22.5	0.0	
40	16QAM	1	1	21.25	21.10	20.95	22.5	0.0	
40	256QAM	1	1	19.87	19.98	19.97	21.0	1.5	
Channel									
30	Frequency (MHz)			2088.01	2095	2094.99			
Channel									
30	Frequency (MHz)			2100	2100	2100			
Channel									
30	Frequency (MHz)			2115	2115	2115			
Channel									
30	Frequency (MHz)			2130	2130	2130			

n38_Ant 1(DSI1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Mean Ch. (Frac. S1900K)	Turn-up loss (dBm)	MPE (dB)	
Channel									
40	PUSC	1	1	19.87	19.85	19.86			
40	PUSC	1	53	20.18	20.20	20.17	20.5	0.0	
40	PUSC	1	104	19.87	19.80	19.80			
40	PUSC	50	0	19.77	19.82	19.80	20.5	0.0	
40	PUSC	50	28	20.18	20.20	20.17	20.5	0.0	
40	PUSC	50	56	19.71	19.72	19.71	20.5	0.0	
40	PUSC	100	0	19.90	19.91	19.89			
40	QPSK	1	1	19.88	19.78	19.74	20.5	0.0	
40	QPSK	1	53	20.19	20.11	20.15	20.5	0.0	
40	QPSK	1	104	19.88	19.86	19.87			
40	QPSK	50	0	19.79	19.74	19.87	20.5	0.0	
40	QPSK	50	28	20.05	20.01	20.11	20.5	0.0	
40	QPSK	50	56	19.87	19.85	19.82	20.5	0.0	
40	QPSK	100	0	19.85	19.81	19.83	20.5	0.0	
40	16QAM	1	1	19.71	19.71	19.70	20.5	0.0	
40	16QAM	1	1	19.87	19.82	19.84	20.5	0.0	
40	256QAM	1	1	19.83	19.74	19.87	20.5	0.0	
Channel									
30	Frequency (MHz)			2088.01	2095	2094.99			
Channel									
30	Frequency (MHz)			2100	2100	2100			
Channel									
30	Frequency (MHz)			2115	2115	2115			
Channel									
30	Frequency (MHz)			2130	2130	2130			

n38_Ant 3(DSI1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Mean Ch. (Frac. S1900K)	Turn-up loss (dBm)	MPE (dB)	
Channel									
40	PUSC	1	1	19.72	19.88	19.72			
40	PUSC	1	53	19.98	20.04	20.02	21.0	0.0	
40	PUSC	1	104	19.72	19.92	19.97			
40	PUSC	50	0	19.99	19.71	19.72	21.0	0.0	
40	PUSC	50	28	19.96	19.98	19.93	21.0	0.0	
40	PUSC	50	56	19.83	19.83	19.88	21.0	0.0	
40	PUSC	100	0	19.77	19.78	19.74			
40	QPSK	1	1	19.86	19.81	19.88	21.0	0.0	
40	QPSK	1	53	19.97	19.98	20.01			
40	QPSK	1	104	19.76	19.78	19.73			
40	QPSK	50	0	19.58	19.85	19.58	21.0	0.0	
40	QPSK	50	28	19.90	19.85	19.83	21.0	0.0	
40	QPSK	50	56	19.59	19.48	19.54	21.0	0.0	
40	QPSK	100	0	19.77	19.88	19.84			
40	16QAM	1	1	19.71	19.68	19.69	21.0	0.0	
40	16QAM	1	1	19.72	19.82	19.87	21.0	0.0	
40	256QAM	1	1	19.73	19.81	19.84	21.0	0.0	
Channel									
30	Frequency (MHz)			2088.01	2095	2094.99			
Channel									
30	Frequency (MHz)			2100	2100	2100			
Channel									
30	Frequency (MHz)			2115	2115	2115			
Channel									
30	Frequency (MHz)			2130	2130	2130			

n38_Ant 5(DSI1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Mean Ch. (Frac. S1900K)	Turn-up loss (dBm)	MPE (dB)	
Channel									
40	PUSC	1	1	19.83	19.90	19.75			
40	PUSC	1	53	20.13	20.15	20.07	21.0	0.0	
40	PUSC	1	104	19.82	19.88	19.88			
40	PUSC	50	0	19.72	20.00	19.74	21.0	0.0	
40	PUSC	50	28	20.00	20.04	20.04	21.0	0.0	
40	PUSC	50	56	19.88	19.90	19.88	21.0	0.0	
40	PUSC	100	0	19.85	20.02	19.84			
40	QPSK	1	1	19.88	19.87	19.88			
40	QPSK	1	53	20.11	20.01	20.13	21.0	0.0	
40	QPSK	1	104	19.82	19.86	19.84			
40	QPSK	50	0	19.67	19.87	19.85	21.0	0.0	
40	QPSK	50	28	20.09	20.01	20.08	21.0	0.0	
40	QPSK	50	56	19.80	19.88	19.82	21.0	0.0	
40	QPSK	100	0	19.82	19.88	19.97			
40	16QAM	1	1	19.66	19.86	19.66	21.0	0.0	
40	16QAM	1	1	20.09	19.90	19.98	21.0	0.0	
40	256QAM	1	1	19.82	19.87	19.87	21.0	0.0	
Channel									
30	Frequency (MHz)			2088.01	2095	2094.99			
Channel									
30	Frequency (MHz)			2100	2100	2100			
Channel									
30	Frequency (MHz)			2115	2115	2115			
Channel									
30	Frequency (MHz)			2130	2130	2130			



Part27Q n78_Ant 6(DS11)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Mdn Ch. Power	Power High Ch. Power	Time-up lim (dBm)	MFR (dB)	
Channel									
100	PV2 BPSK	1	1	17.78					
100	PV2 BPSK	1	191	18.05			19.5	0.0	
100	PV2 BPSK	1	271	17.26					
100	PV2 BPSK	135	2	18.19			19.5	0.0	
100	PV2 BPSK	135	66	18.54			19.5	0.0	
100	PV2 BPSK	135	138	17.89			19.5	0.0	
100	QPSK	1	5	17.78					
100	QPSK	1	139	18.54			19.5	0.0	
100	QPSK	1	271	17.81					
100	QPSK	135	2	18.26			19.5	0.0	
100	QPSK	135	66	18.47			19.5	0.0	
100	QPSK	135	138	17.71			19.5	0.0	
100	QPSK	271	2	18.71			19.5	0.0	
100	16QAM	1	1	18.47			19.5	0.0	
100	16QAM	1	1	18.52			19.5	0.0	
100	256QAM	1	1	18.52			19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
90	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
80	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
80	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
70	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
60	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
50	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
40	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
30	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3495	3500.0	3504.9						
20	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	

Part27O n78_Ant 6(DS11)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Mdn Ch. Power	Power High Ch. Power	Time-up lim (dBm)	MFR (dB)	
Channel									
100	PV2 BPSK	1	1	17.78					
100	PV2 BPSK	1	191	18.22			19.5	0.0	
100	PV2 BPSK	1	271	17.25					
100	PV2 BPSK	135	2	17.96			19.5	0.0	
100	PV2 BPSK	135	66	18.71			19.5	0.0	
100	PV2 BPSK	135	138	17.39			19.5	0.0	
100	QPSK	1	1	17.78					
100	QPSK	1	139	18.26			19.5	0.0	
100	QPSK	1	271	17.81					
100	QPSK	135	2	18.26			19.5	0.0	
100	QPSK	135	66	18.54			19.5	0.0	
100	QPSK	135	138	17.81			19.5	0.0	
100	QPSK	271	2	18.71			19.5	0.0	
100	16QAM	1	1	18.76			19.5	0.0	
100	16QAM	1	1	18.82			19.5	0.0	
100	256QAM	1	1	18.82			19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
90	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
80	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
70	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
60	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
50	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
40	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
30	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	
Channel									
Frequency MHz	3749.5	3754.4	3759.3						
20	PV2 BPSK	1	1	17.78	17.78	17.78	19.5	0.0	

Part27Q n78_Ant 11(DS11)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Mdn Ch. Power	Power High Ch. Power	Time-up lim (dBm)	MFR (dB)	
Channel									
100	PV2 BPSK	1	1	18.27					
100	PV2 BPSK	1	191	18.73			17.0	0.0	
100	PV2 BPSK	1	271	18.21					
100	PV2 BPSK	135	2	18.78			17.0	0.0	
100	PV2 BPSK	135	66	19.78			17.0	0.0	
100	PV2 BPSK	135	138	18.54			17.0	0.0	
100	QPSK	1	5	18.27					
100	QPSK	1	139	19.27			17.0	0.0	
100	QPSK	1	271	18.09					
100	QPSK	135	2	18.81			17.0	0.0	
100	QPSK	135	66	19.27			17.0	0.0	
100	QPSK	135	138	18.54			17.0	0.0	
100	QPSK	271	2	19.78			17.0	0.0	
100	16QAM	1	1	19.89			17.0	0.0	
100	16QAM	1	1	19.74			17.0	0.0	
100	256QAM	1	1	19.74			17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
90	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
80	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
70	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
60	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
50	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
40	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
30	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3895	3900.0	3904.9						
20	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	

Part27O n78_Ant 11(DS11)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Mdn Ch. Power	Power High Ch. Power	Time-up lim (dBm)	MFR (dB)	
Channel									
100	PV2 BPSK	1	1	18.27					
100	PV2 BPSK	1	191	18.73			17.0	0.0	
100	PV2 BPSK	1	271	18.21					
100	PV2 BPSK	135	2	18.78			17.0	0.0	
100	PV2 BPSK	135	66	19.78			17.0	0.0	
100	PV2 BPSK	135	138	18.54			17.0	0.0	
100	QPSK	1	5	18.27					
100	QPSK	1	139	19.27			17.0	0.0	
100	QPSK	1	271	18.09					
100	QPSK	135	2	18.81			17.0	0.0	
100	QPSK	135	66	19.27			17.0	0.0	
100	QPSK	135	138	18.54			17.0	0.0	
100	QPSK	271	2	19.78			17.0	0.0	
100	16QAM	1	1	19.89			17.0	0.0	
100	16QAM	1	1	19.74			17.0	0.0	
100	256QAM	1	1	19.74			17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
90	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
80	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
70	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
60	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
50	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
40	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
30	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	
Channel									
Frequency MHz	3949.5	3954.4	3959.3						
20	PV2 BPSK	1	1	18.27	18.27	18.27	17.0	0.0	



n38_Ant 0(DSI4)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Max (Frac. S1900K)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	20.67	20.75	20.75			
40	PUSC	1	53	21.23	21.45	21.31	22.5	0.0	
40	PUSC	1	104	20.73	20.75	20.81			
40	PUSC	50	0	20.69	20.87	20.78	22.5	0.0	
40	PUSC	50	28	21.25	21.41	21.28	22.5	0.0	
40	PUSC	50	56	20.67	20.79	20.75	22.5	0.0	
40	PUSC	100	0	20.74	20.79	20.83			
40	QPSK	1	1	20.68	20.69	20.71	22.5	0.0	
40	QPSK	1	53	21.43	21.41	21.38			
40	QPSK	1	104	20.71	20.84	20.86			
40	QPSK	50	0	20.63	20.53	20.63	22.5	0.0	
40	QPSK	50	28	21.22	21.37	21.28	22.5	0.0	
40	QPSK	50	56	20.69	20.69	20.69	22.5	0.0	
40	QPSK	100	0	20.77	20.88	20.87	22.5	0.0	
40	16QAM	1	1	21.22	21.74	21.56	22.5	0.0	
40	16QAM	1	1	21.25	21.12	21.58	22.5	0.0	
40	256QAM	1	1	19.87	19.98	19.97	21.0	1.5	
Channel									
Frequency (MHz)									
40	PUSC	1	1	20.67	20.75	20.75			
Channel									
Frequency (MHz)									
40	PUSC	1	1	20.68	20.69	20.71			
Channel									
Frequency (MHz)									
40	PUSC	1	1	20.68	20.70	20.71	22.5	0.0	

n38_Ant 1(DSI4)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Max (Frac. S1900K)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	19.87	19.85	19.88			
40	PUSC	1	53	20.18	20.20	20.17	20.5	0.0	
40	PUSC	1	104	19.87	19.82	19.82			
40	PUSC	50	0	19.77	19.82	19.80	20.5	0.0	
40	PUSC	50	28	20.18	20.22	20.21	20.5	0.0	
40	PUSC	50	56	19.71	19.72	19.75	20.5	0.0	
40	PUSC	100	0	19.90	19.91	19.89			
40	QPSK	1	1	19.88	19.78	19.74	20.5	0.0	
40	QPSK	1	53	20.19	20.11	20.15	20.5	0.0	
40	QPSK	1	104	19.78	19.76	19.87			
40	QPSK	50	0	19.79	19.74	19.87	20.5	0.0	
40	QPSK	50	28	20.05	20.01	20.11	20.5	0.0	
40	QPSK	50	56	19.87	19.82	19.82	20.5	0.0	
40	QPSK	100	0	19.85	19.81	19.83	20.5	0.0	
40	16QAM	1	1	19.71	19.71	19.73	20.5	0.0	
40	16QAM	1	1	19.87	19.82	19.84	20.5	0.0	
40	256QAM	1	1	19.83	19.74	19.87	20.5	0.0	
Channel									
Frequency (MHz)									
40	PUSC	1	1	19.87	19.76	19.87			
Channel									
Frequency (MHz)									
40	PUSC	1	1	19.84	19.82	19.81	20.5	0.0	

n38_Ant 3(DSI4)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Max (Frac. S1900K)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	18.00	18.01	18.00			
40	PUSC	1	53	18.50	18.57	18.53	17.5	0.0	
40	PUSC	1	104	18.00	18.03	18.02			
40	PUSC	50	0	18.38	18.40	18.39	17.5	0.0	
40	PUSC	50	28	18.41	18.58	18.41	17.5	0.0	
40	PUSC	50	56	18.37	18.38	18.40	17.5	0.0	
40	PUSC	100	0	18.42	18.43	18.40			
40	QPSK	1	1	18.00	18.07	18.02	17.5	0.0	
40	QPSK	1	53	18.48	18.54	18.48			
40	QPSK	1	104	18.01	18.06	18.00			
40	QPSK	50	0	18.31	18.34	18.27	17.5	0.0	
40	QPSK	50	28	18.44	18.55	18.48	17.5	0.0	
40	QPSK	50	56	18.32	18.24	18.22	17.5	0.0	
40	QPSK	100	0	18.39	18.32	18.37	17.5	0.0	
40	16QAM	1	1	18.41	18.58	18.41	17.5	0.0	
40	16QAM	1	1	18.41	18.38	18.48	17.5	0.0	
40	256QAM	1	1	18.32	18.41	18.50	17.5	0.0	
Channel									
Frequency (MHz)									
40	PUSC	1	1	18.00	18.00	18.00			
Channel									
Frequency (MHz)									
40	PUSC	1	1	18.44	18.52	18.53	17.5	0.0	

n38_Ant 5(DSI4)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac. S1900K)	Power High Ch. (Frac. S1900K)	Power Max (Frac. S1900K)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	18.58	18.61	18.62			
40	PUSC	1	53	17.09	17.15	17.12	18.0	0.0	
40	PUSC	1	104	18.58	18.60	18.64			
40	PUSC	50	0	18.55	18.59	18.59	18.0	0.0	
40	PUSC	50	28	17.09	17.20	17.11	18.0	0.0	
40	PUSC	50	56	18.58	18.59	18.58	18.0	0.0	
40	PUSC	100	0	18.58	17.62	18.59			
40	QPSK	1	1	18.47	18.50	18.51			
40	QPSK	1	53	18.59	17.69	17.71	18.0	0.0	
40	QPSK	1	104	18.43	18.46	18.54			
40	QPSK	50	0	18.51	18.57	18.59	18.0	0.0	
40	QPSK	50	28	17.01	17.08	17.09	18.0	0.0	
40	QPSK	50	56	18.57	18.61	18.61	18.0	0.0	
40	QPSK	100	0	18.53	17.60	18.56	18.0	0.0	
40	16QAM	1	1	18.50	18.58	18.53	18.0	0.0	
40	256QAM	1	1	18.55	17.67	17.70	18.0	0.0	
Channel									
Frequency (MHz)									
40	PUSC	1	1	18.58	18.60	18.60			
Channel									
Frequency (MHz)									
40	PUSC	1	1	18.59	18.48	18.50	18.0	0.0	



n41_Ant 0(DS14)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)	Power Low Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)
100	Pi/2 BPSK	1	1	22.43	22.59	22.51	22.67	22.35	22.51	22.67
100	Pi/2 BPSK	1	137	22.51	22.59	22.55	22.67	22.35	22.51	22.67
100	Pi/2 BPSK	1	271	22.59	22.59	22.59	22.67	22.35	22.59	22.67
100	Pi/2 BPSK	135	0	22.59	22.59	22.59	22.67	22.35	22.59	22.67
100	Pi/2 BPSK	135	138	22.57	22.57	22.57	22.67	22.35	22.57	22.67
100	Pi/2 BPSK	270	0	22.48	22.73	22.61	22.67	22.35	22.61	22.67
100	QPSK	1	1	22.59	22.59	22.59	22.67	22.35	22.59	22.67
100	QPSK	1	137	22.59	22.59	22.59	22.67	22.35	22.59	22.67
100	QPSK	1	271	22.51	22.51	22.51	22.67	22.35	22.51	22.67
100	QPSK	135	0	22.41	22.63	22.52	22.67	22.35	22.52	22.67
100	QPSK	135	138	22.78	22.75	22.81	22.67	22.35	22.81	22.67
100	QPSK	135	138	22.59	22.49	22.45	22.67	22.35	22.45	22.67
100	QPSK	270	0	22.59	22.58	22.58	22.67	22.35	22.58	22.67
100	16QAM	1	1	21.48	21.86	21.66	21.8	21.0	21.66	21.8
100	16QAM	1	1	21.77	21.72	21.75	21.8	21.0	21.75	21.8
100	256QAM	1	1	19.40	19.49	19.32	19.4	18.0	19.32	19.4
40	Pi/2 BPSK	1	1	21.57	21.58	21.58	21.6	20.0	21.58	21.6
40	Pi/2 BPSK	1	137	21.57	21.58	21.58	21.6	20.0	21.58	21.6
40	Pi/2 BPSK	135	0	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	Pi/2 BPSK	135	138	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	Pi/2 BPSK	270	0	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	QPSK	1	1	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	QPSK	1	137	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	QPSK	1	271	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	QPSK	135	0	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	QPSK	135	138	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	QPSK	270	0	21.59	21.59	21.59	21.6	20.0	21.59	21.6
40	16QAM	1	1	19.41	19.42	19.41	19.4	18.0	19.41	19.4
40	16QAM	1	1	19.41	19.42	19.41	19.4	18.0	19.41	19.4
40	256QAM	1	1	18.50	18.41	18.45	18.5	17.0	18.45	18.5
20	Pi/2 BPSK	1	1	22.53	22.51	22.52	22.6	21.0	22.52	22.6

n41_Ant 1(DS14)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)	Power Low Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)
100	Pi/2 BPSK	1	1	19.26	19.27	19.18	19.3	18.0	19.18	19.3
100	Pi/2 BPSK	1	137	19.22	19.24	19.23	19.3	18.0	19.23	19.3
100	Pi/2 BPSK	1	271	19.21	19.27	19.26	19.3	18.0	19.26	19.3
100	Pi/2 BPSK	135	0	19.19	19.21	19.21	19.3	18.0	19.21	19.3
100	Pi/2 BPSK	135	138	19.18	19.16	19.17	19.3	18.0	19.17	19.3
100	Pi/2 BPSK	270	0	19.30	19.31	19.25	19.3	18.0	19.25	19.3
100	QPSK	1	1	19.14	19.13	19.13	19.3	18.0	19.13	19.3
100	QPSK	1	137	19.23	19.25	19.24	19.3	18.0	19.24	19.3
100	QPSK	1	271	19.14	19.16	19.15	19.3	18.0	19.15	19.3
100	QPSK	135	0	19.20	19.17	19.19	19.3	18.0	19.19	19.3
100	QPSK	135	138	19.20	19.21	19.21	19.3	18.0	19.21	19.3
100	QPSK	135	138	19.20	19.21	19.21	19.3	18.0	19.21	19.3
100	QPSK	135	138	19.20	19.21	19.21	19.3	18.0	19.21	19.3
100	QPSK	270	0	19.28	19.29	19.29	19.3	18.0	19.29	19.3
100	16QAM	1	1	18.21	18.42	18.32	18.5	17.0	18.32	18.5
100	16QAM	1	1	18.32	18.43	18.35	18.5	17.0	18.35	18.5
100	256QAM	1	1	18.50	18.41	18.45	18.5	17.0	18.45	18.5
40	Pi/2 BPSK	1	1	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	Pi/2 BPSK	1	137	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	Pi/2 BPSK	135	0	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	Pi/2 BPSK	135	138	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	Pi/2 BPSK	270	0	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	QPSK	1	1	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	QPSK	1	137	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	QPSK	1	271	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	QPSK	135	0	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	QPSK	135	138	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	QPSK	270	0	19.20	19.20	19.20	19.3	18.0	19.20	19.3
40	16QAM	1	1	18.21	18.42	18.32	18.5	17.0	18.32	18.5
40	16QAM	1	1	18.32	18.43	18.35	18.5	17.0	18.35	18.5
40	256QAM	1	1	18.50	18.41	18.45	18.5	17.0	18.45	18.5
20	Pi/2 BPSK	1	1	19.48	19.38	19.42	19.5	18.0	19.42	19.5

n41_Ant 3(DS14)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)	Power Low Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)
100	Pi/2 BPSK	1	1	18.18	18.89	18.53	18.8	17.0	18.53	18.8
100	Pi/2 BPSK	1	137	18.23	18.89	18.56	18.8	17.0	18.56	18.8
100	Pi/2 BPSK	1	271	18.83	18.87	18.85	18.9	17.0	18.85	18.9
100	Pi/2 BPSK	135	0	18.33	18.48	18.40	18.5	17.0	18.40	18.5
100	Pi/2 BPSK	135	138	18.40	18.68	18.60	18.7	17.0	18.60	18.7
100	Pi/2 BPSK	270	0	18.42	18.49	18.47	18.5	17.0	18.47	18.5
100	QPSK	1	1	18.17	18.77	18.76	18.8	17.0	18.76	18.8
100	QPSK	1	137	18.39	18.38	18.40	18.5	17.0	18.40	18.5
100	QPSK	1	271	18.46	18.76	18.61	18.7	17.0	18.61	18.7
100	QPSK	135	0	18.48	18.33	18.44	18.5	17.0	18.44	18.5
100	QPSK	135	138	18.40	18.55	18.48	18.5	17.0	18.48	18.5
100	QPSK	135	138	18.40	18.55	18.48	18.5	17.0	18.48	18.5
100	QPSK	135	138	18.40	18.55	18.48	18.5	17.0	18.48	18.5
100	QPSK	270	0	18.36	18.47	18.40	18.5	17.0	18.40	18.5
100	16QAM	1	1	16.87	18.54	18.21	18.5	17.0	18.21	18.5
100	16QAM	1	1	16.45	18.38	18.45	18.5	17.0	18.45	18.5
100	256QAM	1	1	18.50	18.49	18.51	18.5	17.0	18.51	18.5
40	Pi/2 BPSK	1	1	18.17	18.77	18.76	18.8	17.0	18.76	18.8
40	Pi/2 BPSK	1	137	18.39	18.38	18.40	18.5	17.0	18.40	18.5
40	Pi/2 BPSK	135	0	18.40	18.68	18.60	18.7	17.0	18.60	18.7
40	Pi/2 BPSK	135	138	18.40	18.68	18.60	18.7	17.0	18.60	18.7
40	Pi/2 BPSK	270	0	18.42	18.49	18.47	18.5	17.0	18.47	18.5
40	QPSK	1	1	18.17	18.77	18.76	18.8	17.0	18.76	18.8
40	QPSK	1	137	18.39	18.38	18.40	18.5	17.0	18.40	18.5
40	QPSK	1	271	18.46	18.76	18.61	18.7	17.0	18.61	18.7
40	QPSK	135	0	18.48	18.33	18.44	18.5	17.0	18.44	18.5
40	QPSK	135	138	18.40	18.55	18.48	18.5	17.0	18.48	18.5
40	QPSK	135	138	18.40	18.55	18.48	18.5	17.0	18.48	18.5
40	QPSK	270	0	18.36	18.47	18.40	18.5	17.0	18.40	18.5
40	16QAM	1	1	16.87	18.54	18.21	18.5	17.0	18.21	18.5
40	16QAM	1	1	16.45	18.38	18.45	18.5	17.0	18.45	18.5
40	256QAM	1	1	18.50	18.49	18.51	18.5	17.0	18.51	18.5
20	Pi/2 BPSK	1	1	18.49	18.74	18.74	18.8	17.0	18.74	18.8

n41_Ant 5(DS14)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power High Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)	Power Low Ch. Power (dBm)	Power Mean (dBm)	Power High Ch. Power (dBm)
100	Pi/2 BPSK	1	1	18.52	18.40	18.42	18.5	17.0	18.42	18.5
100	Pi/2 BPSK	1	137	17.23	17.26	17.21	17.3	16.0	17.21	17.3
100	Pi/2 BPSK	1	271	18.48	18.30	18.39	18.5	17.0	18.39	18.5
100										



Par27Q n77_Ant 6(DS14)									
BV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Mids Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency MHz									
100	PVO BPSK	1	1	15.30					
100	PVO BPSK	1	191	15.37	15.25	15.21	17.5	0.0	
100	PVO BPSK	1	271	15.21					
100	PVO BPSK	120	2	15.24			17.5	0.0	
100	PVO BPSK	150	66	15.05	15.15	15.11	17.5	0.0	
100	PVO BPSK	150	138	15.24			17.5	0.0	
100	QPSK	1	1	15.27					
100	QPSK	1	191	15.05	15.15	15.11	17.5	0.0	
100	QPSK	1	271	15.21					
100	QPSK	120	2	15.24			17.5	0.0	
100	QPSK	150	66	15.28	15.15	15.11	17.5	0.0	
100	QPSK	150	138	15.21			17.5	0.0	
100	QPSK	270	2	15.21			17.5	0.0	
100	16QAM	1	1	15.21					
100	16QAM	1	1	15.28			17.5	0.0	
100	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	15.24	15.28	15.24	17.5	0.0	
80	PVO BPSK	1	191	15.24	15.28	15.24	17.5	0.0	
80	PVO BPSK	1	271	15.21					
80	PVO BPSK	120	2	15.24			17.5	0.0	
80	PVO BPSK	150	66	15.28	15.15	15.11	17.5	0.0	
80	PVO BPSK	150	138	15.21			17.5	0.0	
80	QPSK	1	1	15.28	15.15	15.11	17.5	0.0	
80	QPSK	1	191	15.24	15.28	15.24	17.5	0.0	
80	QPSK	1	271	15.21					
80	QPSK	120	2	15.24			17.5	0.0	
80	QPSK	150	66	15.28	15.15	15.11	17.5	0.0	
80	QPSK	150	138	15.21			17.5	0.0	
80	16QAM	1	1	15.24	15.28	15.24	17.5	0.0	
80	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
60	PVO BPSK	1	1	15.24	15.28	15.24	17.5	0.0	
60	PVO BPSK	1	191	15.24	15.28	15.24	17.5	0.0	
60	PVO BPSK	1	271	15.21					
60	PVO BPSK	120	2	15.24			17.5	0.0	
60	PVO BPSK	150	66	15.28	15.15	15.11	17.5	0.0	
60	PVO BPSK	150	138	15.21			17.5	0.0	
60	QPSK	1	1	15.28	15.15	15.11	17.5	0.0	
60	QPSK	1	191	15.24	15.28	15.24	17.5	0.0	
60	QPSK	1	271	15.21					
60	QPSK	120	2	15.24			17.5	0.0	
60	QPSK	150	66	15.28	15.15	15.11	17.5	0.0	
60	QPSK	150	138	15.21			17.5	0.0	
60	16QAM	1	1	15.24	15.28	15.24	17.5	0.0	
60	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	15.24	15.28	15.24	17.5	0.0	
40	PVO BPSK	1	191	15.24	15.28	15.24	17.5	0.0	
40	PVO BPSK	1	271	15.21					
40	PVO BPSK	120	2	15.24			17.5	0.0	
40	PVO BPSK	150	66	15.28	15.15	15.11	17.5	0.0	
40	PVO BPSK	150	138	15.21			17.5	0.0	
40	QPSK	1	1	15.28	15.15	15.11	17.5	0.0	
40	QPSK	1	191	15.24	15.28	15.24	17.5	0.0	
40	QPSK	1	271	15.21					
40	QPSK	120	2	15.24			17.5	0.0	
40	QPSK	150	66	15.28	15.15	15.11	17.5	0.0	
40	QPSK	150	138	15.21			17.5	0.0	
40	16QAM	1	1	15.24	15.28	15.24	17.5	0.0	
40	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
20	PVO BPSK	1	1	15.24	15.28	15.24	17.5	0.0	

Par27O n77_Ant 6(DS14)									
BV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Mids Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency MHz									
100	PVO BPSK	1	1	15.30	15.28	15.21			
100	PVO BPSK	1	191	15.27	15.25	15.21	17.5	0.0	
100	PVO BPSK	1	271	15.29	15.25	15.21			
100	PVO BPSK	120	2	15.26	15.21	15.24	17.5	0.0	
100	PVO BPSK	150	66	15.25	15.31	15.11	17.5	0.0	
100	PVO BPSK	150	138	15.29	15.28	15.25	17.5	0.0	
100	PVO BPSK	270	2	15.28	15.25	15.22			
100	QPSK	1	1	15.46	15.47	15.45			
100	QPSK	1	191	15.24	15.28	15.24	17.5	0.0	
100	QPSK	1	271	15.45	15.51	15.49			
100	QPSK	120	2	15.46	15.47	15.44	17.5	0.0	
100	QPSK	150	66	15.28	15.30	15.29	17.5	0.0	
100	QPSK	150	138	15.21	15.21	15.21	17.5	0.0	
100	QPSK	270	2	15.26	15.25	15.24			
100	16QAM	1	1	15.23	15.28	15.27	17.5	0.0	
100	16QAM	1	1	15.28	15.28	15.28	17.5	0.0	
100	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	15.27	15.24	15.21	17.5	0.0	
80	PVO BPSK	1	191	15.27	15.25	15.21	17.5	0.0	
80	PVO BPSK	1	271	15.24					
80	PVO BPSK	120	2	15.24			17.5	0.0	
80	PVO BPSK	150	66	15.28	15.21	15.21	17.5	0.0	
80	PVO BPSK	150	138	15.21			17.5	0.0	
80	QPSK	1	1	15.26	15.25	15.24	17.5	0.0	
80	QPSK	1	191	15.24	15.28	15.24	17.5	0.0	
80	QPSK	1	271	15.21					
80	QPSK	120	2	15.24			17.5	0.0	
80	QPSK	150	66	15.28	15.15	15.11	17.5	0.0	
80	QPSK	150	138	15.21			17.5	0.0	
80	16QAM	1	1	15.24	15.28	15.24	17.5	0.0	
80	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
60	PVO BPSK	1	1	15.24	15.28	15.24	17.5	0.0	
60	PVO BPSK	1	191	15.24	15.28	15.24	17.5	0.0	
60	PVO BPSK	1	271	15.21					
60	PVO BPSK	120	2	15.24			17.5	0.0	
60	PVO BPSK	150	66	15.28	15.15	15.11	17.5	0.0	
60	PVO BPSK	150	138	15.21			17.5	0.0	
60	QPSK	1	1	15.28	15.15	15.11	17.5	0.0	
60	QPSK	1	191	15.24	15.28	15.24	17.5	0.0	
60	QPSK	1	271	15.21					
60	QPSK	120	2	15.24			17.5	0.0	
60	QPSK	150	66	15.28	15.15	15.11	17.5	0.0	
60	QPSK	150	138	15.21			17.5	0.0	
60	16QAM	1	1	15.24	15.28	15.24	17.5	0.0	
60	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
40	PVO BPSK	1	1	15.24	15.28	15.24	17.5	0.0	
40	PVO BPSK	1	191	15.24	15.28	15.24	17.5	0.0	
40	PVO BPSK	1	271	15.21					
40	PVO BPSK	120	2	15.24			17.5	0.0	
40	PVO BPSK	150	66	15.28	15.15	15.11	17.5	0.0	
40	PVO BPSK	150	138	15.21			17.5	0.0	
40	QPSK	1	1	15.28	15.15	15.11	17.5	0.0	
40	QPSK	1	191	15.24	15.28	15.24	17.5	0.0	
40	QPSK	1	271	15.21					
40	QPSK	120	2	15.24			17.5	0.0	
40	QPSK	150	66	15.28	15.15	15.11	17.5	0.0	
40	QPSK	150	138	15.21			17.5	0.0	
40	16QAM	1	1	15.24	15.28	15.24	17.5	0.0	
40	256QAM	1	1	15.24	15.28	15.24	17.5	0.0	
Channel									
Frequency MHz									
20	PVO BPSK	1	1	15.24	15.28	15.24	17.5	0.0	

Par27Q n77_Ant 11(DS14)									
BV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Mids Ch. Power	Power High Ch. Power	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency MHz									
100	PVO BPSK	1	1	13.84					
100	PVO BPSK	1	191	14.03			16.0	0.0	
100	PVO BPSK	1	271	13.87					
100	PVO BPSK	120	2	14.26			16.0	0.0	
100	PVO BPSK	150	66	14.27	14.31	14.27	16.0	0.0	
100	PVO BPSK	150	138	14.15			16.0	0.0	
100	PVO BPSK	270	2	14.27			16.0	0.0	
100	QPSK	1	1	13.77					
100	QPSK	1	191	14.01	14.01	14.01	16.0	0.0	
100	QPSK	1	271	13.99					
100	QPSK	120	2	14.28			16.0	0.0	
100	QPSK	150	66	14.40	14.40	14.40	16.0	0.0	
100	QPSK	150	138	14.27			16.0	0.0	
100	QPSK	270	2	14.28			16.0	0.0	
100	16QAM	1	1	14.20			16.0	0.0	
100	16QAM	1	1	14.24			16.0	0.0	
100	256QAM	1	1	14.24	14.24	14.24	16.0	0.0	
Channel									
Frequency MHz									
80	PVO BPSK	1	1	13.85	13.91	13.84	16.0	0.0	
80	PVO BPSK	1	191	14.04	14.04	14.04	16.0	0.0	
80	PVO BPSK	1	271	13.87					
80	PVO BPSK	120	2	14.26			16.0	0.0	
80	PVO BPSK	150	66	14.27	14.31	14.27	16.0	0.0	
80	PVO BPSK	150	138	14.15			16.0	0.0	
80	PVO BPSK	270	2	14.27			16.0	0.0	
80	QPSK	1	1	13.78	13.78	13.78	16.0	0.0	
80	QPSK	1	191	14.01	14.01	14.01	16.0	0.0	
80									



Part27Q n78_Ant 6(DS14)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power High Ch. Power	Power Max Ch. Power	Power High Ch. Power	Turn-up time (dBm)	MFR (dB)
Channel									
Frequency MHz									
100	PV2 BPSK	1	1	15.78					
100	PV2 BPSK	1	191	15.78				18.5	0.0
100	PV2 BPSK	1	271	15.78					
100	PV2 BPSK	1	351	15.78					
100	PV2 BPSK	1	431	15.78					
100	PV2 BPSK	1	511	15.78					
100	PV2 BPSK	1	591	15.78					
100	PV2 BPSK	1	671	15.78					
100	PV2 BPSK	1	751	15.78					
100	PV2 BPSK	1	831	15.78					
100	PV2 BPSK	1	911	15.78					
100	PV2 BPSK	1	991	15.78					
100	PV2 BPSK	1	1071	15.78					
100	PV2 BPSK	1	1151	15.78					
100	PV2 BPSK	1	1231	15.78					
100	PV2 BPSK	1	1311	15.78					
100	PV2 BPSK	1	1391	15.78					
100	PV2 BPSK	1	1471	15.78					
100	PV2 BPSK	1	1551	15.78					
100	PV2 BPSK	1	1631	15.78					
100	PV2 BPSK	1	1711	15.78					
100	PV2 BPSK	1	1791	15.78					
100	PV2 BPSK	1	1871	15.78					
100	PV2 BPSK	1	1951	15.78					
100	PV2 BPSK	1	2031	15.78					
100	PV2 BPSK	1	2111	15.78					
100	PV2 BPSK	1	2191	15.78					
100	PV2 BPSK	1	2271	15.78					
100	PV2 BPSK	1	2351	15.78					
100	PV2 BPSK	1	2431	15.78					
100	PV2 BPSK	1	2511	15.78					
100	PV2 BPSK	1	2591	15.78					
100	PV2 BPSK	1	2671	15.78					
100	PV2 BPSK	1	2751	15.78					
100	PV2 BPSK	1	2831	15.78					
100	PV2 BPSK	1	2911	15.78					
100	PV2 BPSK	1	2991	15.78					
100	PV2 BPSK	1	3071	15.78					
100	PV2 BPSK	1	3151	15.78					
100	PV2 BPSK	1	3231	15.78					
100	PV2 BPSK	1	3311	15.78					
100	PV2 BPSK	1	3391	15.78					
100	PV2 BPSK	1	3471	15.78					
100	PV2 BPSK	1	3551	15.78					
100	PV2 BPSK	1	3631	15.78					
100	PV2 BPSK	1	3711	15.78					
100	PV2 BPSK	1	3791	15.78					
100	PV2 BPSK	1	3871	15.78					
100	PV2 BPSK	1	3951	15.78					
100	PV2 BPSK	1	4031	15.78					
100	PV2 BPSK	1	4111	15.78					
100	PV2 BPSK	1	4191	15.78					
100	PV2 BPSK	1	4271	15.78					
100	PV2 BPSK	1	4351	15.78					
100	PV2 BPSK	1	4431	15.78					
100	PV2 BPSK	1	4511	15.78					
100	PV2 BPSK	1	4591	15.78					
100	PV2 BPSK	1	4671	15.78					
100	PV2 BPSK	1	4751	15.78					
100	PV2 BPSK	1	4831	15.78					
100	PV2 BPSK	1	4911	15.78					
100	PV2 BPSK	1	4991	15.78					
100	PV2 BPSK	1	5071	15.78					
100	PV2 BPSK	1	5151	15.78					
100	PV2 BPSK	1	5231	15.78					
100	PV2 BPSK	1	5311	15.78					
100	PV2 BPSK	1	5391	15.78					
100	PV2 BPSK	1	5471	15.78					
100	PV2 BPSK	1	5551	15.78					
100	PV2 BPSK	1	5631	15.78					
100	PV2 BPSK	1	5711	15.78					
100	PV2 BPSK	1	5791	15.78					
100	PV2 BPSK	1	5871	15.78					
100	PV2 BPSK	1	5951	15.78					
100	PV2 BPSK	1	6031	15.78					
100	PV2 BPSK	1	6111	15.78					
100	PV2 BPSK	1	6191	15.78					
100	PV2 BPSK	1	6271	15.78					
100	PV2 BPSK	1	6351	15.78					
100	PV2 BPSK	1	6431	15.78					
100	PV2 BPSK	1	6511	15.78					
100	PV2 BPSK	1	6591	15.78					
100	PV2 BPSK	1	6671	15.78					
100	PV2 BPSK	1	6751	15.78					
100	PV2 BPSK	1	6831	15.78					
100	PV2 BPSK	1	6911	15.78					
100	PV2 BPSK	1	6991	15.78					
100	PV2 BPSK	1	7071	15.78					
100	PV2 BPSK	1	7151	15.78					
100	PV2 BPSK	1	7231	15.78					
100	PV2 BPSK	1	7311	15.78					
100	PV2 BPSK	1	7391	15.78					
100	PV2 BPSK	1	7471	15.78					
100	PV2 BPSK	1	7551	15.78					
100	PV2 BPSK	1	7631	15.78					
100	PV2 BPSK	1	7711	15.78					
100	PV2 BPSK	1	7791	15.78					
100	PV2 BPSK	1	7871	15.78					
100	PV2 BPSK	1	7951	15.78					
100	PV2 BPSK	1	8031	15.78					
100	PV2 BPSK	1	8111	15.78					
100	PV2 BPSK	1	8191	15.78					
100	PV2 BPSK	1	8271	15.78					
100	PV2 BPSK	1	8351	15.78					
100	PV2 BPSK	1	8431	15.78					
100	PV2 BPSK	1	8511	15.78					
100	PV2 BPSK	1	8591	15.78					
100	PV2 BPSK	1	8671	15.78					
100	PV2 BPSK	1	8751	15.78					
100	PV2 BPSK	1	8831	15.78					
100	PV2 BPSK	1	8911	15.78					
100	PV2 BPSK	1	8991	15.78					
100	PV2 BPSK	1	9071	15.78					
100	PV2 BPSK	1	9151	15.78					
100	PV2 BPSK	1	9231	15.78					
100	PV2 BPSK	1	9311	15.78					
100	PV2 BPSK	1	9391	15.78					
100	PV2 BPSK	1	9471	15.78					
100	PV2 BPSK	1	9551	15.78					
100	PV2 BPSK	1	9631	15.78					
100	PV2 BPSK	1	9711	15.78					
100	PV2 BPSK	1	9791	15.78					
100	PV2 BPSK	1	9871	15.78					
100	PV2 BPSK	1	9951	15.78					
100	PV2 BPSK	1	10031	15.78					
100	PV2 BPSK	1	10111	15.78					
100	PV2 BPSK	1	10191	15.78					
100	PV2 BPSK	1	10271	15.78					
100	PV2 BPSK	1	10351	15.78					
100	PV2 BPSK	1	10431	15.78					
100	PV2 BPSK	1	10511	15.78					
100	PV2 BPSK	1	10591	15.78					
100	PV2 BPSK	1	10671	15.78					
100	PV2 BPSK	1	10751	15.78					
100	PV2 BPSK	1	10831	15.78					
100	PV2 BPSK	1	10911	15.78					
100	PV2 BPSK	1	10991	15.78					
100	PV2 BPSK	1	11071	15.78					
100	PV2 BPSK	1	11151	15.78					
100	PV2 BPSK	1	11231	15.78					
100	PV2 BPSK	1	11311	15.78					
100	PV2 BPSK	1	11391	15.78					
100	PV2 BPSK	1	11471	15.78					
100	PV2 BPSK	1	11551	15.78					
100	PV2 BPSK	1	11631	15.78					
100	PV2 BPSK	1	11711	15.78					
100	PV2 BPSK	1	11791	15.78					
100	PV2 BPSK	1	11871	15.78					
100	PV2 BPSK	1	11951	15.78					
100	PV2 BPSK	1	12031	15.78					
100	PV2 BPSK	1	12111	15.78					
100	PV2 BPSK	1	12191	15.78					
100	PV2 BPSK	1	12271	15.78					
100	PV2 BPSK	1	12351	15.78					
100	PV2 BPSK	1	12431	15.78					
100	PV2 BPSK	1	12511	15.78					
100	PV2 BPSK	1	12591	15.78					
100	PV2 BPSK	1	12671	15.78					
100	PV2 BPSK	1	12751	15.78					
100	PV2 BPSK	1	12831	15.78					
100	PV2 BPSK	1	12911	15.78					
100	PV2 BPSK	1	12991	15.78					
100	PV2 BPSK	1	13071	15.78					
100	PV2 BPSK	1	13151	15.78					
100	PV2 BPSK	1	13231	15.78					
100	PV2 BPSK	1	13311	15.78					
100	PV2 BPSK	1	13391	15.78					
100	PV2 BPSK	1	13471	15.78					
100	PV2 BPSK	1	13551	15.78					
100	PV2 BPSK	1	13631	15.78					
100	PV2 BPSK	1	13711	15.78					
100	PV2 BPSK	1	13791	15.78					
100	PV2 BPSK	1	13871	15.78					
100	PV2 BPSK	1	13951	15.78					
100	PV2 BPSK	1	14031	15.78					
100	PV2 BPSK	1	14111	15.78					
100	PV2 BPSK	1	14191	15.78					
100	PV2 BPSK	1	14271	15.78					



2.4GHz WLAN/5GHz WLAN Conducted Power

2.4GHz WLAN		Full power(Default Power Table)																		Duty Cycle %		
		AI-Head Standalone Power Table						AI-Head Simultaneous Power Table						Hotspot Power Table								
		Body-Worn Power Table																				
		Ant 8						Ant 9						Ant 8+9								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit				
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.50	17.50	16.50	18.00			13.50	14.50	14.50	15.00			16.00	17.00	16.30	17.60		99.60	
		6	2437	15.50	17.50	17.10	18.00			13.30	14.50	13.70	15.00			15.40	17.00	16.60	17.50			
		11	2462	16.40	17.50	16.60	18.00			13.70	14.50	13.40	15.00			15.90	17.00	16.10	17.50			
	802.11g 9Mbps	1	2412	16.70	17.50	16.80	18.00	19.70	21.00	13.40	14.50	13.70	15.00	16.72	18.00	16.20	17.00	16.30	17.50	19.20	20.50	97.10
		6	2437	16.70	17.50	17.10	18.00	19.64	21.00	13.20	14.50	13.60	15.00	16.60	18.00	15.60	17.00	16.80	17.50	19.14	20.50	
		11	2462	16.60	17.50	17.20	18.00	19.61	21.00	13.60	14.50	13.50	15.00	16.50	18.00	16.10	17.00	16.10	17.50	19.11	20.50	
	802.11a/HT20 MCS0	1	2412	17.20	18.50	17.60	18.50	20.26	22.00	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50	96.90	
		6	2437	17.40	18.50	18.10	18.50	20.17	22.00	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50		
		11	2462	16.80	18.50	17.10	18.50	20.01	22.00	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50		
	802.11a/HT40 MCS0	3	2422	14.80	16.00	15.50	16.50	18.27	19.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50	93.80	
		6	2437	16.80	18.50	17.70	18.50	20.26	21.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50		
		9	2452	14.80	16.00	14.70	16.50	17.68	19.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50		
802.11a/HE40 MCS0	1	2412	17.30	18.50	17.40	18.50	20.38	21.50	Not Required	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	96.00		
	6	2437	17.30	18.50	16.90	18.50	20.07	21.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50			
	11	2462	17.00	18.50	17.20	18.50	20.11	21.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50			
802.11a/HE40 MCS0	3	2422	15.00	16.50	15.70	16.50	18.37	19.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50	92.50		
	6	2437	16.50	18.50	17.80	18.50	20.38	21.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50			
	9	2452	14.70	16.50	14.80	16.50	17.76	19.50	14.50	15.00	14.50	15.00	16.00	17.00	15.00	17.00	17.50	18.50	20.50			

5.2GHz WLAN		Full power(Default Power Table)																		Duty Cycle %							
		AI-Head Standalone Power Table						AI-Head Simultaneous Power Table						Hotspot Power Table													
		Body-Worn Power Table																									
		Ant 8						Ant 9						Ant 8+9													
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit									
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.80	17.00	15.50	17.00	18.66	20.00	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	97.00							
		40	5200	17.20	19.00	16.20	19.50	20.74	22.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00								
		44	5220	16.80	18.00	17.50	18.50	20.04	21.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00								
	802.11a/HT20 MCS0	36	5180	17.20	19.00	16.80	18.00	20.01	21.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	100.00							
		40	5200	17.20	19.00	18.10	19.50	20.68	22.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00								
		44	5220	16.80	19.00	17.40	19.00	20.03	21.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00								
	802.11a/HT40 MCS0	38	5190	15.00	16.50	14.60	16.00	17.81	19.00	Not Required	13.50	Not Required	14.50	Not Required	7.50	Not Required	8.50	Not Required	13.50	Not Required	100.00						
		46	5230	17.40	19.00	16.70	19.50	21.20	23.00	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00								
		38	5190	17.20	19.00	16.80	18.00	20.11	21.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00								
	802.11a/HT80 MCS0	42	5210	12.20	13.50	13.10	14.50	16.66	17.00	12.20	13.50	13.10	14.50	16.68	17.00	8.50	7.50	8.50	11.00	12.20	13.50	13.10	14.50	16.68	17.00	88.40	
		36	5180	17.40	19.00	17.20	18.50	20.41	21.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	95.90	
		40	5200	17.40	19.00	18.50	20.00	21.68	22.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	95.90	
	802.11a/HE40 MCS0	44	5220	17.00	18.00	17.80	18.50	20.43	21.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	92.40	
		48	5240	17.00	18.00	17.80	18.50	20.43	21.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	92.40	
		38	5190	15.40	16.50	15.00	16.50	18.21	19.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	92.40	
	802.11a/HE80 MCS0	46	5230	17.40	19.00	19.00	20.00	21.50	23.00	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	87.10
		42	5210	12.80	14.00	13.50	15.00	16.17	17.50	13.50	14.50	17.00	7.50	8.50	11.00	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	87.10	

5.3GHz WLAN		Full power(Default Power Table)																		Duty Cycle %						
		AI-Head Standalone Power Table						AI-Head Simultaneous Power Table						Hotspot Power Table												
		Body-Worn Power Table																								
		Ant 8						Ant 9						Ant 8+9												
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit								
5.3GHz WLAN	802.11a 6Mbps	52	5280	16.30	18.00	16.80	18.50	19.57	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00	97.00						
		56	5280	16.20	18.00	17.20	18.50	19.74	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00							
		60	5300	16.30	18.00	17.30	18.50	19.84	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00							
	802.11a/HT20 MCS0	52	5280	16.30	18.00	16.90	18.50	19.62	21.00	Not Required	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00	100.00					
		56	5280	16.20	18.00	17.20	18.50	19.74	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00							
		60	5300	16.30	18.00	17.30	18.50	19.84	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00							
	802.11a/HT40 MCS0	54	5270	16.70	17.50	16.70	18.50	19.42	21.00	12.20	13.50	12.80	14.50	15.52	17.00	Not Required	8.00	Not Required	8.50	Not Required	11.50	13.50	14.50	17.00	17.00	100.00
		52	5280	16.40	18.00	17.00	18.50	19.72	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	100.00
		56	5280	16.20	18.00	17.30	18.50	19.84	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	100.00
	802.11a/HT80 MCS0	58	5300	16.20	18.00	17.50	18.50	19.80	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	100.00
		64	5320	16.30	18.00	17.40	18.50	19.90	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	100.00
		54	5270	16.20	17.50	16.80	18.50	19.62	21.00	13.50	14.50	17.00	8.00	8.50	11.50	13.50	14.50	17.00	17.00							



Bluetooth Full Conducted Power

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	17.09	17.22	17.29	14.28	14.35	14.44	14.32	14.35	14.53	19
	CH 39	2441	18.18	18.27	18.41	15.48	15.60	15.64	15.50	15.73	15.74	19
	CH 78	2480	17.11	17.22	17.25	14.47	14.50	14.59	14.48	14.53	14.59	19

BT LE

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	1.60	1.60
	CH 19	2440	3.80	3.80
	CH 39	2480	3.00	3.00
Tune-up Limit			5	5

Bluetooth Reduced Power

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	6.70	6.70	6.80	4.20	4.40	4.50	4.20	4.30	4.40	8
	CH 39	2441	7.50	7.50	7.60	5.00	5.10	5.30	5.10	5.20	5.30	8
	CH 78	2480	5.60	5.60	5.70	3.10	3.20	3.30	3.10	3.20	3.30	8