

Full&Default Power Mode

GSM900_Ant 1		Burst Average Power (dBm)				Tune-up		Frame Average Power (dBm)				Tune-up	
TX Channel		128	169	251	Limit	128	169	251	Limit	128	169	251	Limit
Frequency (MHz)		824.2	836.4	848.8	Limit	824.2	836.4	848.8	Limit	824.2	836.4	848.8	Limit
DTM Multi-slot class 5	GSM 1 Tx slot	33.23	33.26	33.15	34.00	24.23	24.26	24.15	25.00	24.23	24.26	24.15	25.00
	GPRS 1 Tx slot	33.16	33.19	33.07	34.00	24.16	24.19	24.07	25.00	24.16	24.19	24.07	25.00
	GPRS 2 Tx slots	30.15	30.10	30.21	31.00	24.15	24.10	24.21	25.00	24.15	24.10	24.21	25.00
	GPRS 3 Tx slots	28.64	28.33	28.29	29.20	24.38	24.07	24.03	24.94	24.38	24.07	24.03	24.94
	GPRS 4 Tx slots	27.28	27.35	27.31	28.50	24.28	24.35	24.31	25.50	24.28	24.35	24.31	25.50
	EDGE(GMSK 1 Tx slot)	33.13	33.16	33.01	34.00	24.13	24.16	24.01	25.00	24.13	24.16	24.01	25.00
	EDGE(GMSK 2 Tx slot)	30.14	29.97	30.13	31.00	24.14	23.97	24.13	25.00	24.14	23.97	24.13	25.00
	EDGE(GMSK 3 Tx slot)	28.50	28.30	28.14	29.20	24.24	24.04	23.88	24.94	24.24	24.04	23.88	24.94
	EDGE(GMSK 4 Tx slot)	27.25	27.31	27.27	28.50	24.25	24.31	24.27	25.50	24.25	24.31	24.27	25.50
	EDGE 1 Tx slot	27.20	27.05	27.08	28.00	18.20	18.05	18.08	19.00	18.20	18.05	18.08	19.00
DTM Multi-slot class 9	EDGE 2 Tx slots	24.10	24.11	23.71	25.00	18.10	18.11	17.71	19.00	18.10	18.11	17.71	19.00
	EDGE 3 Tx slots	22.57	22.24	21.94	23.50	18.31	17.98	17.68	19.24	18.31	17.98	17.68	19.24
	EDGE 4 Tx slots	21.46	21.17	20.92	22.50	18.46	18.17	17.92	19.50	18.46	18.17	17.92	19.50
	GSM 1 Tx slot	29.80	29.68	29.80	31.00	23.74	23.64	23.76	24.98	23.74	23.64	23.76	24.98
	GPRS 1 Tx slot	29.73	29.65	29.77	31.00	23.74	23.64	23.76	24.98	23.74	23.64	23.76	24.98
	GPRS 2 Tx slots	29.67	29.64	29.77	31.00	23.68	23.66	23.79	24.98	23.68	23.66	23.79	24.98
	GPRS 3 Tx slots	29.74	29.73	29.86	31.00	23.74	23.73	23.86	24.98	23.74	23.73	23.86	24.98
	GSM 1 Tx slot	28.17	27.93	27.84	29.20	23.94	23.62	23.59	24.94	23.94	23.62	23.59	24.94
	GPRS 2 Tx slots	28.21	27.86	27.85	29.20	23.94	23.62	23.59	24.94	23.94	23.62	23.59	24.94
	GPRS 3 Tx slots	29.80	29.70	29.74	31.00	21.72	21.64	21.60	22.94	21.72	21.64	21.60	22.94
DTM Multi-slot class 11	EDGE 1 Tx slot	23.71	23.69	23.34	25.00	21.72	21.64	21.60	22.94	21.72	21.64	21.60	22.94
	GSM 1 Tx slot	29.71	29.69	29.79	31.00	21.66	21.63	21.63	22.94	21.66	21.63	21.63	22.94
	EDGE 1 Tx slot	23.75	23.69	23.28	25.00	21.66	21.63	21.63	22.94	21.66	21.63	21.63	22.94
	GSM 1 Tx slot	28.26	27.94	27.84	29.20	20.96	20.65	20.49	22.04	20.96	20.65	20.49	22.04
	EDGE 2 Tx slots	22.14	21.85	21.57	23.50	20.96	20.65	20.49	22.04	20.96	20.65	20.49	22.04
	GSM 1 Tx slot	27.26	27.26	27.26	28.00	17.26	17.26	17.26	18.00	17.26	17.26	17.26	18.00
	EDGE 1 Tx slot	27.20	27.05	27.08	28.00	18.20	18.05	18.08	19.00	18.20	18.05	18.08	19.00
	EDGE 2 Tx slots	24.10	24.11	23.71	25.00	18.10	18.11	17.71	19.00	18.10	18.11	17.71	19.00
	EDGE 3 Tx slots	22.57	22.24	21.94	23.50	18.31	17.98	17.68	19.24	18.31	17.98	17.68	19.24
	EDGE 4 Tx slots	21.46	21.17	20.92	22.50	18.46	18.17	17.92	19.50	18.46	18.17	17.92	19.50

GSM1800_Ant 7		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1860.2	1860	1860.8	Limit		1860.2	1860	1860.8	Limit	
DTM Multi-slot class 9	GSM 1 Tx slot	29.51	29.60	29.54	30.00		20.51	20.60	20.54	21.00	
	GPRS 1 Tx slot	29.41	29.58	29.48	30.00		20.41	20.58	20.48	21.00	
	GPRS 2 Tx slots	26.54	26.77	26.26	27.00		20.54	20.77	20.26	21.00	
	GPRS 3 Tx slots	24.74	24.96	24.54	26.00		20.48	20.70	20.28	21.74	
	GPRS 4 Tx slots	23.12	23.95	23.56	25.00		20.42	20.95	20.56	22.00	
	EDGE(GMSK 1 Tx slot)	29.39	29.48	29.34	30.00		20.39	20.46	20.34	21.74	
	EDGE(GMSK 2 Tx slot)	26.48	26.76	26.11	27.00		20.48	20.76	20.11	21.74	
	EDGE(GMSK 3 Tx slot)	24.70	24.83	24.58	26.00		20.44	20.57	20.32	21.74	
	EDGE(GMSK 4 Tx slot)	23.78	23.91	23.52	25.00		20.78	20.91	20.52	22.00	
	EDGE 1 Tx slot	25.24	25.42	25.20	26.50		16.24	16.42	16.20	16.50	
DTM Multi-slot class 11	EDGE 2 Tx slots	22.48	22.85	22.52	23.50		16.48	16.85	16.52	17.00	
	EDGE 3 Tx slots	21.11	21.43	21.23	22.00		16.85	17.17	16.97	17.74	
	EDGE 4 Tx slots	20.38	20.65	20.42	21.00		17.38	17.65	17.42	18.00	
	GSM 1 Tx slot	26.45	26.65	26.18	27.00		20.44	20.64	20.18	20.98	
	GPRS 1 Tx slot	26.48	26.68	26.22	27.00		20.44	20.64	20.18	20.98	
	GSM 1 Tx slot	24.64	24.84	24.20	27.00		20.39	20.63	20.14	20.98	
	GPRS 1 Tx slot	26.39	26.66	26.12	27.00		20.39	20.63	20.14	20.98	
	GSM 1 Tx slot	24.64	24.81	24.58	26.00		20.41	20.63	20.27	21.74	
	GPRS 2 Tx slots	24.69	24.83	24.51	26.00		20.41	20.63	20.27	21.74	
	GSM 1 Tx slot	26.44	26.62	26.20	27.00		18.85	19.11	18.71	19.57	
DTM Multi-slot class 5	EDGE 1 Tx slot	22.40	22.83	22.48	23.50		18.85	19.11	18.71	19.57	
	GSM 1 Tx slot	26.52	26.65	26.17	27.00		18.89	19.13	18.69	19.57	
	EDGE 1 Tx slot	22.34	22.83	22.51	23.50		18.89	19.13	18.69	19.57	
	GSM 1 Tx slot	24.67	24.89	24.54	26.00		18.37	18.61	18.35	19.51	
	EDGE 2 Tx slots	21.08	21.54	21.19	22.00		18.37	18.61	18.35	19.51	
	GSM 1 Tx slot	29.51	29.60	29.54	30.00		20.51	20.60	20.54	21.00	
	GPRS 1 Tx slot	29.41	29.58	29.48	30.00		20.41	20.58	20.48	21.00	
	GPRS 2 Tx slots	26.54	26.77	26.26	27.00		20.54	20.77	20.26	21.00	
	GPRS 3 Tx slots	24.74	24.96	24.54	26.00		20.48	20.70	20.28	21.74	
	GPRS 4 Tx slots	23.12	23.95	23.56	25.00		20.42	20.95	20.56	22.00	

Band		WCDMA # Ant 7			Tune-up			WCDMA # Ant 6			Tune-up			
Tx Channel		9692	9400	9538	Limit (dBm)		9262	9400	9538	Limit (dBm)		9262	9400	9538
Rx Channel		9692	9600	9658	Limit (dBm)		9662	9600	9658	Limit (dBm)		9662	9600	9658
Frequency (MHz)		1852.4	1860	1867.6	Limit		1852.4	1860	1867.6	Limit		1852.4	1860	1867.6
3GPP Rel 99	AMR 12.2Kbps	22.50	22.53	22.42	23.00		23.73	23.71	23.71	23.80		23.73	23.71	23.71
3GPP Rel 99	RAC 12.2Kbps	22.60	22.63	22.55	24.30		23.82	23.85	23.75	24.30		23.82	23.85	23.75
3GPP Rel 6	HS-PA Subtest-1	21.86	21.84	21.75	23.30		22.83	22.80	22.72	23.30		22.83	22.80	22.72
3GPP Rel 6	HS-PA Subtest-2	21.90	21.86	21.73	23.30		22.78	22.75	22.68	23.30		22.78	22.75	22.68
3GPP Rel 6	HS-PA Subtest-3	21.38	21.39	21.23	22.80		22.29	22.30	22.21	22.80		22.29	22.30	22.21
3GPP Rel 6	HS-PA Subtest-4	21.37	21.34	21.23	22.80		22.30	22.30	22.14	22.80		22.30	22.30	22.14
3GPP Rel 6	DC-HS-PA Subtest-1	21.75	21.78	21.71	23.30		22.74	22.74	22.66	23.30		22.74	22.74	22.66
3GPP Rel 6	DC-HS-PA Subtest-2	21.85	21.74	21.60	23.30		22.68	22.67	22.60	23.30		22.68	22.67	22.60
3GPP Rel 6	DC-HS-PA Subtest-4	21.33	21.32	21.20	22.80		22.29	22.16	22.13	22.80		22.29	22.16	22.13
3GPP Rel 6	HS-PA Subtest-1	21.81	21.87	21.77	23.30		22.72	22.82	22.72	23.30		22.72	22.82	22.72
3GPP Rel 6	HS-PA Subtest-2	19.63	19.69	19.74	21.30		20.72	20.77	20.72	21.30		20.72	20.77	20.72
3GPP Rel 6	HS-PA Subtest-3	20.63	20.67	20.76	22.30		21.74	21.78	21.55	22.30		21.74	21.78	21.55
3GPP Rel 6	HS-PA Subtest-4	20.61	20.66	20.76	22.30		21.76	21.76	21.57	22.30		21.76	21.76	21.57
3GPP Rel 6	HS-PA Subtest-5	20.60	21.90	21.80	23.30		22.80	22.80	22.80	23.30		22.80	22.80	22.80
3GPP Rel 7	HSPA+ (10QAM) Subtest-1	21.01	20.02	19.82	21.30		20.84	20.87	20.77	21.30		20.84	20.87	20.77

[illegible]

Band 2_Ant 0										
RF	Modulation	RB Size	Power Offset	Power Ch. 1/5	Power Power Ch. 1/5	Power Power Ch. 1/5	Turn-on (dBm)	MPE (dB)		
Channel										
Frequency (MHz)							Turn-on (dBm)	MPE (dB)		
20	QPSK	1	0	1885	1885	1900				
20	QPSK	1	6	23.38	24.02	23.88				
20	QPSK	1	99	23.78	23.89	23.81	24.4	0		
20	QPSK	50	24	23.78	23.89	23.81				
20	QPSK	50	24	23.78	23.89	23.81				
20	QPSK	50	24	23.78	23.89	23.81	23.4	1		
20	QPSK	50	24	23.78	23.89	23.81				
20	QPSK	100	0	22.77	22.88	22.79				
20	QPSK	100	0	22.77	22.88	22.79				
20	QPSK	100	0	22.77	22.88	22.79	23.4	1		
20	QPSK	1	69	23.14	23.19	23.16				
20	QPSK	1	69	23.14	23.19	23.16				
20	QPSK	1	69	23.14	23.19	23.16	23.4	1		
20	QPSK	1	69	23.14	23.19	23.16				
20	QPSK	50	0	21.77	21.88	21.77				
20	QPSK	50	0	21.77	21.88	21.77				
20	QPSK	50	0	21.77	21.88	21.77	22.4	2		
20	QPSK	100	0	21.78	21.83	21.73				
20	QPSK	1	0	21.88	22.02	21.88				
20	QPSK	1	0	21.88	22.02	21.88				
20	QPSK	1	99	21.87	21.93	21.82	22.4	2		
20	QPSK	50	0	20.81	20.89	20.83				
20	QPSK	50	0	20.81	20.89	20.83				
20	QPSK	50	0	20.81	20.89	20.83	21.4	3		
20	QPSK	100	0	20.44	20.78	20.67				
20	QPSK	100	0	20.44	20.78	20.67				
20	QPSK	100	0	20.44	20.78	20.67	21.4	3		
20	QPSK	1	69	18.91	18.97	18.83				
20	QPSK	1	69	18.91	18.97	18.83				
20	QPSK	1	69	18.91	18.97	18.83	19.4			
20	QPSK	50	24	18.76	18.84	18.69				
20	QPSK	50	24	18.76	18.84	18.69				
20	QPSK	50	24	18.76	18.84	18.69	19.4			
20	QPSK	50	24	18.76	18.84	18.69				
20	QPSK	50	24	18.76	18.84	18.69				
20	QPSK	50	24	18.76	18.84	18.69	19.4			
20	QPSK	100	0	18.62	18.63	18.61				
20	QPSK	100	0	18.62	18.63	18.61				
20	QPSK	100	0	18.62	18.63	18.61	19.4			
Channel										
Frequency (MHz)							Turn-on (dBm)	MPE (dB)		
15	QPSK	1	0	1885	1885	1900				
15	QPSK	1	6	23.80	24.04	23.88				
15	QPSK	1	99	23.82	23.84	23.84	24.4	0		
15	QPSK	1	74	23.79	23.74	23.78				
15	QPSK	1	74	23.79	23.74	23.78				
15	QPSK	1	74	23.79	23.74	23.78	23.4	1		
15	QPSK	36	20	22.72	22.64	22.68				
15	QPSK	36	20	22.72	22.64	22.68				
15	QPSK	36	20	22.72	22.64	22.68	23.4	1		
15	QPSK	7		22.88	22.79	22.84				
15	QPSK	7		22.88	22.79	22.84				
15	QPSK	7		22.88	22.79	22.84	23.4	1		
15	QPSK	1	37	23.04	23.07	23.11				
15	QPSK	1	37	23.04	23.07	23.11				
15	QPSK	1	37	23.04	23.07	23.11	23.4	1		
15	QPSK	36	0	21.65	21.79	21.72				
15	QPSK	36	20	21.66	21.73	21.70				
15	QPSK	36	20	21.66	21.73	21.70	22.4	2		
15	QPSK	7	0	21.75	21.77	21.68				
15	QPSK	7	0	21.75	21.77	21.68				
15	QPSK	7	0	21.75	21.77	21.68	22.4	2		
15	QPSK	1	74	21.74	21.92	21.72				
15	QPSK	36	0	20.74	20.80	20.82				
15	QPSK	36	0	20.74	20.80	20.82				
15	QPSK	36	0	20.74	20.80	20.82	21.4	3		
15	QPSK	50	20	20.82	20.88	20.83				
15	QPSK	50	20	20.82	20.88	20.83				
15	QPSK	50	20	20.82	20.88	20.83	21.4	3		
15	QPSK	78	0	20.61	20.79	20.63				
15	QPSK	78	0	20.61	20.79	20.63				
15	QPSK	78	0	20.61	20.79	20.63	19.4	5		
15	QPSK	1	37	18.81	18.89	18.85				
15	QPSK	1	37	18.81	18.89	18.85				
15	QPSK	1	37	18.81	18.89	18.85	19.4	5		
15	QPSK	1	74	18.74	18.82	18.78				
15	QPSK	1	74	18.74	18.82	18.78				
15	QPSK	1	74	18.74	18.82	18.78	19.4	5		
15	QPSK	36	20	18.91	18.97	18.86				
15	QPSK	36	20	18.91	18.97	18.86				
15	QPSK	36	20	18.91	18.97	18.86	19.4	5		
15	QPSK	36	20	18.91	18.97	18.86				
15	QPSK	36	20	18.91	18.97	18.86				
15	QPSK	36	20	18.91	18.97	18.86	19.4	5		
Channel										
Frequency (MHz)							Turn-on (dBm)	MPE (dB)		
15	QPSK	1	0	1885	1885	1900				
15	QPSK	1	6	23.80	23.94	23.88				
15	QPSK	1	99	23.82	23.84	23.84	24.4	0		
15	QPSK	1	74	23.79	23.74	23.78				
15	QPSK	1	74	23.79	23.74	23.78				
15	QPSK	1	74	23.79	23.74	23.78	23.4	1		
15	QPSK	25	0	22.78	22.68	22.72				
15	QPSK	25	0	22.78	22.68	22.72				
15	QPSK	25	0	22.78	22.68	22.72	23.4	1		
15	QPSK	25	0	22.78	22.68	22.72				
15	QPSK	25	0	22.78	22.68	22.72				
15	QPSK	25	0	22.78	22.68	22.72	23.4	1		
15	QPSK	1	25	23.11	23.15	23.11				
15	QPSK	1	25	23.11	23.15	23.11				
15	QPSK	1	25	23.11	23.15	23.11	23.4	1		
15	QPSK	25	0	21.74	21.77	21.67				
15	QPSK	25	12	21.66	21.73	21.70				
15	QPSK	25	12	21.66	21.73	21.70	22.4	2		
15	QPSK	50	0	21.76	21.77	21.69				
15	QPSK	50	0	21.76	21.77	21.69				
15	QPSK	50	0	21.76	21.77	21.69	21.4	3		
15	QPSK	25	0	20.83	20.89	20.85				
15	QPSK	25	0	20.83	20.89	20.85				
15	QPSK	25	0	20.83	20.89	20.85	19.4	5		
15	QPSK	50	0	20.41	20.69	20.55				
15	QPSK	50	0	20.41	20.69	20.55				
15	QPSK	50	0	20.41	20.69	20.55	19.4	5		
15	QPSK	1	69	18.91	18.97	18.86				
15	QPSK	1	69	18.91	18.97	18.86				
15	QPSK	1	69	18.91	18.97	18.86	19.4	5		
15	QPSK	1	74	18.83	18.93	18.87				
15	QPSK	1	74	18.83	18.93	18.87				
15	QPSK	1	74	18.83	18.93	18.87	19.4	5		
15	QPSK	12	7	18.52	18.70	18.63				
15	QPSK	12	7	18.52	18.70	18.63				
15	QPSK	12	7	18.52	18.70	18.63	19.4	5		
15	QPSK	12	13	18.62	18.69	18.68				
15	QPSK	12	13	18.62	18.69	18.68				
15	QPSK	12	13	18.62	18.69	18.68	19.4	5		
Channel										
Frequency (MHz)							Turn-on (dBm)	MPE (dB)		
3	QPSK	1	0	23.92	23.95	23.87				
3	QPSK	1	6	23.78	23.87	23.79				
3	QPSK	1	14	23.75	23.82	23.74	24.4	0		
3	QPSK	1	6	22.69	22.82	22.61				
3	QPSK	1	6	22.69	22.82	22.61				
3	QPSK	1	6	22.69	22.82	22.61	23.4	1		
3	QPSK	15	0	22.85	22.75	22.95				
3	QPSK	15	0	22.85	22.75	22.95				
3	QPSK	15	0	22.85	22.75	22.95	23.4	1		
3	QPSK	1	8	22.70	22.92	22.51				
3	QPSK	1	14	22.81	22.98	22.82				
3	QPSK	1	14	22.81	22.98	22.82	23.4	1		
3	QPSK	8	4	21.67	21.81	21.62				
3	QPSK	8	4	21.67	21.81	21.62				
3	QPSK	8	4	21.67	21.81	21.62	22.4	2		
3	QPSK	15	0	21.70	21.75	21.69				
3	QPSK	15	0	21.70	21.75	21.69				
3	QPSK	15	0	21.70	21.75	21.69	22.4	2		
3	QPSK	8	0	20.67	20.85	20.74				
3	QPSK	8	0	20.67	20.85	20.74				
3	QPSK	8	0	20.67	20.85	20.74	21.4	3		
3	QPSK	8	7	20.49	20.50	20.52				
3	QPSK	15	0	20.49	20.67	20.53				
3	QPSK	15	0	20.49	20.67	20.53				
3	QPSK	15	0	20.49	20.67	20.53	21.4	3		
3	QPSK	1	14	18.68	18.74	18.69				
3	QPSK	1	14	18.68	18.74	18.69				
3	QPSK	1	14	18.68	18.74	18.69	19.4	5		
3	QPSK	8	4	18.58	18.72	18.71				
3	QPSK	8	4	18.58	18.72	18.71				

Band 4_Ant 6												
RF [MHz]	Modulation	RB Size	RB Offset	Power [mW]	Power [mW]	Power [mW]	Power [mW]	Turn-on time [ms]	APR [dB]			
Channel												
Frequency (MHz)												
20	QPSK	1	5	21.60	24.30	24.30	24.30	25	0			
20	QPSK	1	37	24.30	24.30	24.30	24.30					
20	QPSK	1	69	24.30	24.30	24.30	24.30					
20	QPSK	5	24	23.25	23.25	23.25	23.25	24	1			
20	QPSK	5	60	23.18	23.31	23.18	23.18					
20	QPSK	100	0	23.25	23.25	23.25	23.25					
20	16QAM	1	5	23.65	23.62	23.68	23.68					
20	16QAM	1	49	23.47	23.59	23.48	23.48	24	1			
20	16QAM	1	99	23.48	23.59	23.48	23.48					
20	16QAM	50	0	23.37	22.98	22.29	22.29					
20	16QAM	50	24	22.38	22.45	22.30	22.30	23	2			
20	16QAM	50	60	22.45	22.45	22.30	22.30					
20	16QAM	100	0	22.40	22.47	22.30	22.30					
20	64QAM	1	0	22.50	22.63	22.67	22.67					
20	64QAM	1	37	22.63	22.63	22.67	22.67					
20	64QAM	1	69	22.63	22.63	22.67	22.67					
20	64QAM	1	99	22.40	22.47	22.30	22.30					
20	64QAM	50	0	21.38	21.37	21.31	21.31					
20	64QAM	50	24	21.38	21.37	21.31	21.31	22	3			
20	64QAM	50	60	21.38	21.37	21.31	21.31					
20	64QAM	100	0	21.38	21.39	21.30	21.30					
20	356QAM	1	49	19.50	19.55	19.58	19.58	20				
20	256QAM	1	99	19.58	19.73	19.82	19.82					
20	256QAM	50	19.58	19.73	19.82	19.82	19.82					
20	256QAM	50	24	19.40	19.48	19.41	19.41	20				
20	256QAM	50	60	19.40	19.62	19.49	19.49					
20	256QAM	100	0	19.38	19.62	19.38	19.38					
Channel												
Frequency (MHz)												
15	QPSK	1	5	1717.5	1717.5	1717.5	1717.5	25	0			
15	QPSK	1	37	24.30	24.30	24.30	24.30					
15	QPSK	1	74	24.30	24.30	24.30	24.30					
15	QPSK	5	24	23.08	23.22	23.17	23.17	24	1			
15	QPSK	5	20	23.18	23.18	23.18	23.18					
15	QPSK	36	39	23.12	23.18	23.18	23.18					
15	QPSK	79	1	23.17	23.17	23.18	23.18					
15	16QAM	1	5	22.47	22.57	22.57	22.57					
15	16QAM	1	37	23.43	23.49	23.48	23.48	24	1			
15	16QAM	1	74	23.48	23.49	23.48	23.48					
15	16QAM	36	0	22.26	22.37	22.22	22.22					
15	16QAM	36	20	22.30	22.39	22.26	22.26	23	2			
15	16QAM	36	20	22.30	22.39	22.26	22.26					
15	16QAM	79	0	22.37	22.36	22.28	22.28					
15	64QAM	1	0	22.50	22.60	22.68	22.68					
15	64QAM	1	37	22.63	22.63	22.67	22.67					
15	64QAM	1	69	22.63	22.63	22.67	22.67					
15	64QAM	1	99	22.30	22.37	22.22	22.22					
15	64QAM	50	0	21.38	21.37	21.31	21.31	22	3			
15	64QAM	50	24	21.38	21.37	21.31	21.31					
15	64QAM	50	60	21.38	21.37	21.31	21.31					
15	64QAM	100	0	21.38	21.39	21.30	21.30					
15	356QAM	1	49	19.50	19.51	19.53	19.53	20	5			
15	256QAM	1	99	19.48	19.67	19.81	19.81					
15	256QAM	50	19.48	19.67	19.81	19.81	19.81					
15	256QAM	50	24	19.38	19.65	19.49	19.49	20	5			
15	256QAM	50	60	19.38	19.65	19.49	19.49					
15	256QAM	100	0	19.38	19.65	19.38	19.38					
Channel												
Frequency (MHz)												
10	QPSK	1	5	10000	10076	10076	10076	Turn-on time [ms]	APR [dB]			
10	QPSK	1	5	24.30	24.30	24.30	24.30	25	0			
10	QPSK	1	12	24.30	24.30	24.30	24.30					
10	QPSK	1	49	24.30	24.30	24.30	24.30					
10	QPSK	5	24	23.14	23.31	23.14	23.14	24	1			
10	QPSK	5	12	23.18	23.18	23.18	23.18					
10	QPSK	25	25	23.10	23.25	23.10	23.10					
10	QPSK	50	0	23.16	23.26	23.17	23.17					
10	16QAM	1	49	23.46	23.46	23.46	23.46	24	1			
10	16QAM	1	25	23.40	23.48	23.41	23.41					
10	16QAM	1	49	23.46	23.46	23.46	23.46					
10	16QAM	25	0	22.36	22.42	22.23	22.23					
10	16QAM	25	12	22.37	22.30	22.24	22.24	23	2			
10	16QAM	50	0	22.34	22.36	22.28	22.28					
10	64QAM	1	0	22.40	22.40	22.40	22.40					
10	64QAM	1	12	22.40	22.40	22.40	22.40					
10	64QAM	1	49	22.37	22.37	22.37	22.37					
10	64QAM	25	0	21.34	21.30	21.27	21.27	22	3			
10	64QAM	25	12	21.34	21.30	21.27	21.27					
10	64QAM	50	0	21.24	21.27	21.26	21.26					
10	64QAM	50	12	21.24	21.27	21.26	21.26					
10	356QAM	1	25	19.57	19.54	19.57	19.57	20	5			
10	256QAM	1	49	19.46	19.65	19.61	19.61					
10	256QAM	50	19.46	19.65	19.61	19.61	19.61					
10	256QAM	50	12	19.32	19.57	19.27	19.27	20	5			
10	256QAM	50	25	19.38	19.51	19.41	19.41					
10	256QAM	100	0	19.38	19.51	19.38	19.38					
Channel												
Frequency (MHz)												
10	QPSK	1	5	1717.5	1717.5	1717.5	1717.5	25	0			
10	QPSK	1	12	24.30	24.30	24.30	24.30					
10	QPSK	1	24	24.30	24.30	24.30	24.30					
10	QPSK	12	0	23.21	23.22	23.17	23.17	24	1			
10	QPSK	12	13	23.07	23.26	23.07	23.07					
10	QPSK	25	24	23.16	23.26	23.16	23.16					
10	16QAM	1	5	22.47	22.57	22.57	22.57					
10	16QAM	1	12	23.42	23.50	23.35	23.35	24	1			
10	16QAM	1	24	23.42	23.50	23.35	23.35					
10	16QAM	12	9	22.36	22.39	22.27	22.27					
10	16QAM	12	9	22.36	22.39	22.27	22.27					
10	16QAM	25	0	22.37	22.31	22.26	22.26	23	2			
10	16QAM	25	0	22.37	22.38	22.33	22.33					
10	16QAM	12	9	22.27	22.31	22.23	22.23					
10	64QAM	1	24	22.30	22.44	22.29	22.29					
10	64QAM	12	0	21.21	21.31	21.21	21.21	22	3			
10	64QAM	12	0	21.21	21.30	21.26	21.26					
10	64QAM	25	0	21.30	21.25	21.21	21.21					
10	64QAM	25	0	21.30	21.31	21.21	21.21					
10	356QAM	1	12	19.48	19.54	19.54	19.54	20	5			
10	256QAM	1	24	19.56	19.60	19.51	19.51					
10	256QAM	12	13	19.42	19.62	19.48	19.48					
10	256QAM	12	13	19.42	19.49	19.48	19.48					
10	256QAM	12	13	19.20	19.47	19.42	19.42	20	5			
10	256QAM	100	0	19.37	19.41	19.37	19.37					
Channel												
Frequency (MHz)												
10	QPSK	1	5	10000	10076	10076	10076	Turn-on time [ms]	APR [dB]			
10	QPSK	1	5	24.30	24.30	24.30	24.30	25	0			
10	QPSK	1	12	24.30	24.30	24.30	24.30					
10	QPSK	1	14	24.30	24.30	24.30	24.30					
10	QPSK	5	6	23.20	23.20	23.17	23.17	24	1			
10	QPSK	5	6	23.20	23.20	23.17	23.17					
10	QPSK	15	0	23.17	23.26	23.16	23.16					
10	16QAM	1	8	23.18	23.17	23.13	23.13	24	1			
10	16QAM	1	8	23.17	23.26	23.17	23.17					
10	16QAM	1	14	23.16	23.21	23.16	23.16					
10	16QAM	8	4	22.30	22.31	22.26	22.26	23	2			
10	16QAM	8	4	22.37	22.37	22.34	22.34					
10	16QAM	15	0	22.30	22.30	22.27	22.27					
10	64QAM	1	0	22.43	22.58	22.47	22.47					
10	64QAM	1	8	22.58	22.58	22.58	22.58					
10	64QAM	1	14	22.30	22.32	22.22	22.22					
10	64QAM	8	0	21.34	21.34	21.27	21.27	22	3			
10	64QAM	8	0	21.34	21.34	21.27	21.27					
10	64QAM	8	7	21.31	21.26	21.21	21.21					
10	356QAM	1	0	21.23	21.29	21.23	21.23	20	5			

Band 4_Ant 7											
RF [MHz]	Modulation	RB Size	RB Offset	Power [W]	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-on time (dBm)	M [dB]	Notes	Modulation
Channel											
Channel				20700	20715	20730	20745				
20	QPSK	1	0	23.31	23.31	23.31	23.31				24.3
20	QPSK	1	39	23.39	23.39	23.39	23.39				
20	QPSK	1	99	23.44	23.45	23.35	23.35				
20	QPSK	55	0	22.55	22.49	22.51	22.51				
20	QPSK	55	50	22.35	22.40	22.41	22.41				23.3
20	QPSK	55	50	22.27	22.40	22.25	22.25				
20	QPSK	150	0	22.55	22.47	22.53	22.53				
20	QPSK	1	49	22.72	22.78	22.67	22.67				23.3
20	QPSK	1	99	22.82	22.83	22.82	22.82				
20	QPSK	50	0	21.36	21.45	21.38	21.38				
20	QPSK	55	24	21.43	21.52	21.42	21.42				22.3
20	QPSK	55	49	21.52	21.61	21.51	21.51				
20	QPSK	100	0	21.52	21.47	21.57	21.57				
20	QPSK	1	0	21.48	21.61	21.66	21.66				22.3
20	QPSK	1	39	21.59	21.64	21.65	21.65				
20	QPSK	1	99	21.51	21.63	21.56	21.56				
20	QPSK	50	0	20.38	20.45	20.30	20.30				21.3
20	QPSK	55	24	20.49	20.58	20.49	20.49				
20	QPSK	55	50	20.33	20.43	20.33	20.33				
20	QPSK	100	0	20.34	20.47	20.38	20.38				
20	QPSK	1	0	18.52	18.53	18.54	18.54				19.3
20	QPSK	1	49	18.58	18.73	18.72	18.72				
20	QPSK	1	99	18.73	18.81	18.79	18.79				
20	QPSK	55	24	18.82	18.92	18.82	18.82				19.3
20	QPSK	55	50	18.54	18.72	18.55	18.55				
20	QPSK	55	50	18.64	18.88	18.62	18.62				
20	QPSK	55	50	18.64	18.84	18.64	18.64				
Channel											
Channel				20715	20730	20745	20760	Turn-on time (dBm)	M [dB]	Notes	Modulation
15	QPSK	1	0	23.49	23.44	23.45	23.45				24.3
15	QPSK	1	39	23.28	23.31	23.31	23.31				
15	QPSK	1	74	23.43	23.42	23.25	23.25				
15	QPSK	36	0	22.26	22.40	22.19	22.19				
15	QPSK	36	25	22.44	22.38	22.28	22.28				
15	QPSK	36	39	22.22	22.30	22.19	22.19				
15	QPSK	75	0	22.26	22.44	22.25	22.25				23.3
15	QPSK	75	0	22.38	22.58	22.38	22.38				
15	QPSK	1	39	22.63	22.70	22.64	22.64				
15	QPSK	1	74	22.74	22.75	22.74	22.74				
15	QPSK	36	36	21.21	21.34	21.31	21.31				
15	QPSK	36	20	21.28	21.44	21.31	21.31				22.3
15	QPSK	36	49	21.37	21.52	21.37	21.37				
15	QPSK	75	0	21.21	21.34	21.25	21.25				
15	QPSK	1	0	21.44	21.54	21.58	21.58				22.3
15	QPSK	1	39	21.59	21.64	21.65	21.65				
15	QPSK	1	99	21.51	21.63	21.56	21.56				
15	QPSK	50	0	20.38	20.45	20.30	20.30				21.3
15	QPSK	55	24	20.49	20.58	20.49	20.49				
15	QPSK	55	50	20.33	20.43	20.33	20.33				
15	QPSK	100	0	20.34	20.47	20.38	20.38				
15	QPSK	1	0	18.52	18.53	18.54	18.54				19.3
15	QPSK	1	49	18.58	18.73	18.72	18.72				
15	QPSK	1	99	18.73	18.81	18.79	18.79				
15	QPSK	55	24	18.82	18.92	18.82	18.82				19.3
15	QPSK	55	50	18.54	18.72	18.55	18.55				
15	QPSK	55	50	18.64	18.88	18.62	18.62				
15	QPSK	55	50	18.64	18.84	18.64	18.64				
Channel											
Channel				20730	20745	20760	20775	Turn-on time (dBm)	M [dB]	Notes	Modulation
10	QPSK	1	0	23.39	23.33	23.43	23.43				24.3
10	QPSK	1	39	23.27	23.33	23.33	23.33				
10	QPSK	1	49	23.43	23.40	23.23	23.23				
10	QPSK	12	0	22.32	22.38	22.23	22.23				
10	QPSK	12	49	22.40	22.48	22.38	22.38				
10	QPSK	25	28	22.25	22.39	22.21	22.21				
10	QPSK	50	0	22.26	22.43	22.21	22.21				
10	QPSK	50	0	22.55	22.63	22.51	22.51				
10	QPSK	1	28	22.68	22.66	22.65	22.65				
10	QPSK	1	49	22.76	22.79	22.78	22.78				
10	QPSK	25	12	21.34	21.48	21.33	21.33				22.3
10	QPSK	25	12	21.49	21.59	21.49	21.49				
10	QPSK	50	50	21.20	21.30	21.25	21.25				
10	QPSK	1	0	21.35	21.53	21.56	21.56				22.3
10	QPSK	1	39	21.59	21.69	21.69	21.69				
10	QPSK	1	49	21.43	21.48	21.47	21.47				
10	QPSK	25	0	20.25	20.40	20.24	20.24				21.3
10	QPSK	25	0	20.40	20.48	20.38	20.38				
10	QPSK	50	20	20.29	20.36	20.21	20.21				
10	QPSK	50	20	20.29	20.30	20.27	20.27				
10	QPSK	1	20	18.45	18.47	18.46	18.46				19.3
10	QPSK	1	20	18.56	18.78	18.79	18.79				
10	QPSK	1	49	18.66	18.77	18.71	18.71				
10	QPSK	25	12	18.55	18.65	18.51	18.51				19.3
10	QPSK	25	12	18.46	18.64	18.46	18.46				
10	QPSK	25	12	18.51	18.65	18.48	18.48				
10	QPSK	25	12	18.62	18.83	18.62	18.62				
Channel											
Channel				20745	20760	20775	20793	Turn-on time (dBm)	M [dB]	Notes	Modulation
5	QPSK	1	0	23.38	23.44	23.43	23.43				24.3
5	QPSK	1	39	23.27	23.33	23.33	23.33				
5	QPSK	1	24	23.43	23.40	23.23	23.23				
5	QPSK	12	0	22.32	22.38	22.23	22.23				
5	QPSK	12	49	22.40	22.48	22.38	22.38				
5	QPSK	12	18	22.25	22.39	22.21	22.21				
5	QPSK	25	0	22.26	22.43	22.21	22.21				
5	QPSK	25	0	22.55	22.63	22.51	22.51				
5	QPSK	1	24	22.74	22.75	22.74	22.74				
5	QPSK	12	7	21.40	21.49	21.29	21.29				22.3
5	QPSK	12	18	21.37	21.37	21.25	21.25				
5	QPSK	25	15	21.24	21.46	21.37	21.37				
5	QPSK	25	15	21.39	21.60	21.59	21.59				
5	QPSK	50	0	21.41	21.51	21.41	21.41				
5	QPSK	1	24	21.47	21.55	21.44	21.44				
5	QPSK	12	0	20.37	20.44	20.27	20.27				21.3
5	QPSK	12	0	20.40	20.48	20.38	20.38				
5	QPSK	12	18	20.31	20.37	20.24	20.24				
5	QPSK	25	0	20.28	20.38	20.30	20.30				
5	QPSK	25	0	20.42	20.51	20.42	20.42				
5	QPSK	1	12	18.55	18.65	18.53	18.53				19.3
5	QPSK	1	12	18.71	18.77	18.69	18.69				
5	QPSK	12	7	18.57	18.67	18.51	18.51				19.3
5	QPSK	12	7	18.67	18.87	18.67	18.67				
5	QPSK	12	18	18.58	18.65	18.51	18.51				
5	QPSK	25	0	18.62	18.83	18.62	18.62				
Channel											
Channel				20760	20775	20793	20813	Turn-on time (dBm)	M [dB]	Notes	Modulation
1	QPSK	1	0	23.37	23.37	23.44	23.44				24.3
1	QPSK	1	39	23.33	23.34	23.37	23.37				
1	QPSK	1	5	23.41	23.34	23.34	23.34				22.3
1	QPSK	3	0	23.26	23.28	23.42	23.42				
1	QPSK	3	39	23.29	23.31	23.31	23.31				
1	QPSK	3	3	23.37	23.23	23.29	23.29				
1	QPSK	15	0	22.52	22.52	22.51	22.51				23.3
1	QPSK	15	0	22.47	22.51	22.54	22.54				
1	QPSK	1	3	22.71	22.71	22.59	22.59				
1	QPSK	1	5	22.57	22.56	22.69	22.69				23.3
1	QPSK	3	1	22.43	22.43	22.43	22.43				
1	QPSK	1	3	22.97	22.67	22.67	22.67				
1	QPSK	15	0	21.54	21.54	21.54	21.54				22.3
1	QPSK	15	0	21.25	21.47	21.47	21.47				
1	QPSK	1	0	21.39	21.49	21.47	21.47				
1	QPSK	3	0	21.54	21.55	21.55	21.55				
1	QPSK	1	14	21.49	21.58	21.47	21.47				
1	QPSK	8	0	20.34	20.30	20.28	20.28				21.3
1	QPSK	8	0	20.40	20.40	20.30	20.30				
1	QPSK	8	7	20.31	20.30	20.19	20.19				
1	QPSK	15	0	20.27	20.39	20.28	20.28				
1	QPSK	1	1	18.53	18.61	18.50	18.50				19.3
1	QPSK	1	8	18.63	18.68	18.54	18.54				
1	QPSK	1	14	18.56	18.75	18.72	18.72				
1	QPSK	8	1	18.43							

Band 4_Ant 5												
RF MHz	Modulation	RB Size	RB Offset	Power PWR	Power PWR	Power PWR	Power PWR	Turn-on (ms)	MFR (dB)			
Channel				20090	20170	20175	20300					
Frequency (MHz)				17125	17125.5	17125.5	17145					
20	QPSK	1	5	24.30	24.30	24.30	24.30			25	0	
20	QPSK	1	6	24.30	24.31	24.31	24.07					
20	QPSK	1	99	24.19	24.21	24.21	24.12					
20	QPSK	50	5	23.15	23.15	23.15	23.15			24	1	
20	QPSK	50	24	23.15	23.17	23.17	23.12					
20	QPSK	50	50	23.03	23.03	23.03	23.07					
20	QPSK	100	5	23.14	23.14	23.14	23.14					
20	QPSK	100	2	23.14	23.12	23.12	23.42			24	1	
20	QPSK	1	45	23.39	23.39	23.39	23.36					
20	QPSK	1	46	23.39	23.39	23.39	23.36					
20	QPSK	1	99	22.19	22.19	22.19	22.17					
20	QPSK	50	50	22.26	22.27	22.27	22.21			23	2	
20	QPSK	50	24	22.27	22.28	22.28	22.21					
20	QPSK	100	5	22.21	22.21	22.21	22.21					
20	QPSK	1	5	22.32	22.41	22.32	22.32			23	2	
20	QPSK	1	46	22.32	22.41	22.32	22.32					
20	QPSK	1	99	22.19	22.20	22.20	22.19					
20	QPSK	50	5	21.15	21.17	21.17	21.11			22	3	
20	QPSK	50	24	21.15	21.17	21.17	21.15					
20	QPSK	100	5	21.15	21.20	21.20	21.08					
20	QPSK	100	5	21.11	21.26	21.24	21.18					
20	QPSK	1	1	19.45	19.53	19.53	19.38			20	5	
20	QPSK	1	45	19.58	19.51	19.51	19.51					
20	QPSK	1	99	19.55	19.59	19.58	19.45					
20	QPSK	50	5	19.45	19.53	19.53	19.45			20	5	
20	QPSK	50	24	19.53	19.55	19.55	19.45					
20	QPSK	100	5	19.55	19.51	19.51	19.45					
20	QPSK	100	5	19.35	19.38	19.38	19.46					
Channel				20090	20170	20175	20300	Intermod (dB)	MFR (dB)			
Frequency (MHz)				17117.5	17122.5	17175	17145					
15	QPSK	1	5	24.27	24.32	24.32	24.30			25	0	
15	QPSK	1	6	24.19	24.23	24.23	24.07					
15	QPSK	1	74	24.06	24.07	24.03	24.03					
15	QPSK	50	5	23.08	23.05	23.05	23.09			24	1	
15	QPSK	50	20	23.08	23.07	23.07	23.08					
15	QPSK	50	36	22.99	23.07	23.07	23.00					
15	QPSK	100	5	23.09	23.03	23.02	23.02			24	1	
15	QPSK	100	5	23.08	23.03	23.03	23.02					
15	QPSK	1	37	23.26	23.31	23.29	23.26					
15	QPSK	1	38	23.26	23.31	23.29	23.26					
15	QPSK	1	96	22.04	22.13	22.07	22.07					
15	QPSK	50	25	22.12	22.26	22.10	22.10			23	2	
15	QPSK	50	24	22.10	22.26	22.10	22.06					
15	QPSK	100	5	22.26	22.26	22.26	22.26					
15	QPSK	1	5	22.32	22.41	22.32	22.32			23	2	
15	QPSK	1	46	22.32	22.41	22.32	22.32					
15	QPSK	1	99	22.19	22.20	22.20	22.19					
15	QPSK	1	74	22.08	22.21	22.07	22.07			22	3	
15	QPSK	50	5	20.88	21.01	21.01	20.88					
15	QPSK	50	45	20.88	21.01	21.01	20.88					
15	QPSK	50	36	20.98	21.06	21.01	21.01					
15	QPSK	100	5	21.05	21.13	21.13	21.08			22	3	
15	QPSK	100	5	21.05	21.13	21.13	21.08					
15	QPSK	50	25	20.98	21.07	21.07	20.94					
15	QPSK	50	5	21.08	21.13	21.13	21.10					
15	QPSK	50	24	21.08	21.13	21.13	21.10					
15	QPSK	100	5	20.98	21.07	21.07	20.94			20	5	
15	QPSK	1	25	19.45	19.55	19.55	19.47					
15	QPSK	1	74	19.45	19.45	19.47	19.45					
15	QPSK	1	96	19.45	19.48	19.48	19.45			20	5	
15	QPSK	50	5	19.45	19.53	19.53	19.45					
15	QPSK	50	24	19.53	19.54	19.54	19.38					
15	QPSK	100	25	19.47	19.38	19.38	19.25					
15	QPSK	100	5	19.35	19.38	19.38	19.45					
Channel				19970	20170	20175	20300	Intermod (dB)	MFR (dB)			
Frequency (MHz)				17117.5	17122.5	17175	17145					
3	QPSK	1	5	24.20	24.30	24.30	24.23			25	0	
3	QPSK	1	6	24.19	24.23	24.23	24.08					
3	QPSK	1	14	24.15	24.09	23.97	23.99					
3	QPSK	5	5	23.14	23.03	23.04	23.07			24	1	
3	QPSK	5	12	23.14	23.03	23.04	23.07					
3	QPSK	5	25	23.13	23.03	23.03	23.23					
3	QPSK	1	3	23.13	23.41	23.41	23.29			24	1	
3	QPSK	1	12	23.31	23.41	23.38	23.28					
3	QPSK	1	21	23.12	23.27	23.11	23.11					
3	QPSK	1	24	23.12	23.27	23.11	23.11			23	2	
3	QPSK	12	7	22.15	22.26	22.07	22.07					
3	QPSK	1	21	22.11	22.26	22.11	22.11					
3	QPSK	5	25	22.18	22.18	22.10	22.10					
3	QPSK	1	8	22.25	22.33	22.33	22.33			23	2	
3	QPSK	1	23	22.40	22.34	22.34	22.34					
3	QPSK	1	24	22.08	22.28	22.06	22.06					
3	QPSK	12	5	21.09	21.15	21.08	21.08			22	3	
3	QPSK	12	13	21.08	21.15	21.08	21.08					
3	QPSK	1	25	20.96	21.16	21.06	21.06					
3	QPSK	5	1	19.38	19.38	19.38	19.34			20	5	
3	QPSK	1	12	19.47	19.51	19.47	19.47					
3	QPSK	1	24	19.38	19.46	19.38	19.46					
3	QPSK	12	13	19.27	19.33	19.27	19.33			20	5	
3	QPSK	5	12	19.44	19.45	19.32	19.32					
3	QPSK	12	13	19.45	19.48	19.27	19.27					
3	QPSK	15	5	19.31	19.31	19.31	19.31					
Channel				19980	20170	20175	20300	Intermod (dB)	MFR (dB)			
Frequency (MHz)				17117.5	17122.5	17175	17145					
1.4	QPSK	1	5	24.20	24.30	24.30	24.23			25	0	
1.4	QPSK	1	6	24.17	24.30	24.30	24.17					
1.4	QPSK	1	14	24.12	24.07	23.99	23.99					
1.4	QPSK	5	5	23.10	23.00	23.00	23.00			24	1	
1.4	QPSK	5	12	23.08	23.01	23.01	23.03					
1.4	QPSK	5	25	23.02	23.01	23.01	23.29					
1.4	QPSK	1	3	23.09	24.14	24.00	24.00			24	1	
1.4	QPSK	1	3	23.13	23.18	23.17	23.17					
1.4	QPSK	1	3	23.09	24.12	24.02	24.02					
1.4	QPSK	1	3	23.27	24.34	24.35	24.35			24	1	
1.4	QPSK	1	3	23.16	23.24	23.25	23.25					
1.4	QPSK	3	1	23.26	23.32	23.33	23.33					
1.4	QPSK	6	2	23.28	23.32	23.32	23.32			23	2	
1.4	QPSK	1	5	22.28	22.32	22.32	22.32					
1.4	QPSK	3	5	22.15	22.29	22.05	22.05					
1.4	QPSK	1	5	22.29	22.32	22.32	22.32			23	2	
1.4	QPSK	1	14	22.32	22.33	22.33	22.33					
1.4	QPSK	1	14	22.33	22.29	22.29	22.29					
1.4	QPSK	8	7	20.98	21.15	21.08	21.08			22	3	
1.4	QPSK	15	5	21.04	21.14	21.17	21.17					
1.4	QPSK	1	18	19.45	19.47	19.45	19.45			20	5	
1.4	QPSK	1	8	19.57	19.57	19.57	19.57					
1.4	QPSK	1	14	19.42	19.53	19.38	19.38					
1.4	QPSK	8	7	19.37	19.48	19.38	19.38			20	5	
1.4	QPSK	8	4	19.43	19.43	19.41	19.41					
1.4	QPSK	8	7	19.41	19.50	19.30	19.30					
1.4	QPSK	15	5	19.31	19.31	19.31	19.31					
Channel				19987	20170	20175	20300	Intermod (dB)	MFR (dB)			
Frequency (MHz)				17117.5	17122.5	17175	17145					
1.4	QPSK	1	5	24.20	24.30	24.30	24.23			25	0	
1.4	QPSK	1	6	24.17	24.30	24.30	24.17					
1.4	QPSK	1	14	24.12	24.07	23.99	23.99					
1.4	QPSK	5	5	23.10	23.00	23.00	23.00			24	1	
1.4	QPSK	5	12	23.08	23.01	23.01	23.03					
1.4	QPSK	5	25	23.02	23.01	23.01	23.29					
1.4	QPSK	1	3	23.09	24.14	24.00	24.00			24	1	
1.4	QPSK	1	3	23.13	23.18	23.17	23.17					
1.4	QPSK	1	3	23.09	24.12	24.02	24.02					
1.4	QPSK	1	3	23.27	24.34	24.35	24.35			24	1	
1.4	QPSK	1	3	23.16	23.24	23.25	23.25					
1.4	QPSK	3	1	23.26	23.32	23.33	23.33					
1.4	QPSK	6	2	23.28	23.32	23.32	23.32			23	2	
1.4	QPSK	1	5	22.28	22.32	22.32	22.32					
1.4	QPSK	3	5	22.15	22.2							

Band 4_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-on Int. (dBm)	MRR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.81	23.80	23.81	24.4	0		
20	QPSK	1	48	23.78	23.79	23.81				
20	QPSK	1	96	23.75	23.85	23.84				
20	QPSK	50	0	22.54	22.72	22.67	23.4	1		
20	QPSK	50	24	22.54	22.67	22.67				
20	QPSK	50	48	22.61	22.84	22.84				
20	HQAM	1	0	22.34	22.35	22.50	23.4	1		
20	HQAM	1	48	22.39	22.39	22.39				
20	HQAM	1	96	21.67	21.72	21.58				
20	HQAM	50	0	21.77	21.78	21.75	22.4	2		
20	HQAM	50	24	21.77	21.78	21.75				
20	HQAM	50	48	21.69	21.71	21.58				
20	HQAM	100	0	21.74	21.78	21.77	22.4	2		
20	HQAM	1	0	21.67	21.68	21.67				
20	HQAM	1	48	21.71	21.79	21.71				
20	HQAM	50	0	20.63	20.72	20.65	21.4	3		
20	HQAM	50	24	20.63	20.72	20.65				
20	HQAM	50	48	20.56	20.70	20.57				
20	HQAM	100	0	18.46	18.47	18.48	19.4	5		
20	HQAM	1	0	18.53	18.54	18.56				
20	HQAM	1	48	18.51	18.57	18.56				
20	HQAM	1	96	18.51	18.57	18.56	19.4	5		
20	HQAM	50	0	18.56	18.69	18.62				
20	HQAM	50	24	18.56	18.69	18.64				
20	HQAM	50	48	18.59	18.70	18.64	19.4	5		
20	HQAM	100	0	18.59	18.70	18.64				
20	HQAM	100	0	18.59	18.70	18.64				
20	HQAM	100	0	18.54	18.68	18.61	19.4	5		
20	HQAM	100	0	18.54	18.68	18.61				
20	HQAM	100	0	18.54	18.68	18.61				
20	HQAM	100	0	18.54	18.68	18.61				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.78	23.72	23.71	24.4	0		
15	QPSK	1	37	23.69	23.63	23.68				
15	QPSK	1	74	23.61	23.53	23.61	23.4	1		
15	QPSK	36	0	22.41	22.63	22.55				
15	QPSK	36	20	22.44	22.54	22.58	22.4	2		
15	QPSK	36	40	22.41	22.54	22.68				
15	QPSK	75	0	22.61	22.67	22.59	23.4	1		
15	HQAM	1	0	22.70	22.62	22.72				
15	HQAM	1	37	22.62	22.64	22.78	22.4	2		
15	HQAM	1	74	22.60	22.63	22.78				
15	HQAM	36	0	21.52	21.60	21.52	22.4	2		
15	HQAM	36	20	21.52	21.71	21.68				
15	HQAM	36	36	21.69	21.67	21.48	22.4	2		
15	HQAM	75	0	21.67	21.65	21.72				
15	HQAM	75	20	21.67	21.67	21.65	22.4	2		
15	HQAM	1	37	21.60	21.67	21.63				
15	HQAM	1	74	21.66	21.77	21.57	21.4	3		
15	HQAM	36	0	20.54	20.64	20.63				
15	HQAM	36	20	20.70	20.73	20.54	19.4	5		
15	HQAM	36	36	20.44	20.66	20.46				
15	HQAM	75	0	20.65	20.65	20.53	19.4	5		
15	HQAM	75	20	18.50	18.46	18.24				
15	HQAM	1	0	18.50	18.46	18.24	19.4	5		
15	HQAM	1	37	18.50	18.51	18.51				
15	HQAM	1	74	18.50	18.51	18.51	19.4	5		
15	HQAM	36	0	18.54	18.55	18.53				
15	HQAM	36	20	18.54	18.55	18.53	19.4	5		
15	HQAM	36	36	18.50	18.56	18.58				
15	HQAM	75	0	18.51	18.56	18.57	19.4	5		
15	HQAM	75	20	18.51	18.56	18.57				
15	HQAM	75	40	18.51	18.56	18.57				
15	HQAM	75	60	18.51	18.56	18.57				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.74	23.62	23.60	24.4	0		
5	QPSK	1	25	23.75	23.71	23.68				
5	QPSK	1	50	23.61	23.52	23.61	23.4	1		
5	QPSK	25	0	22.42	22.59	22.55				
5	QPSK	25	12	22.68	22.69	22.66	23.4	1		
5	QPSK	25	24	22.41	22.52	22.64				
5	QPSK	50	0	22.54	22.65	22.57	23.4	1		
5	HQAM	1	0	22.73	22.79	22.78				
5	HQAM	1	12	22.67	22.62	22.82	23.4	1		
5	HQAM	1	24	22.79	22.81	22.77				
5	HQAM	12	0	21.53	21.67	21.57	22.4	2		
5	HQAM	12	7	21.72	21.69	21.73				
5	HQAM	12	13	21.69	21.67	21.51	22.4	2		
5	HQAM	25	0	21.66	21.70	21.72				
5	HQAM	25	7	21.64	21.64	21.62	22.4	2		
5	HQAM	1	12	21.60	21.61	21.72				
5	HQAM	1	24	21.69	21.75	21.57	21.4	3		
5	HQAM	12	0	20.51	20.59	20.58				
5	HQAM	12	7	20.73	20.69	20.51	19.4	5		
5	HQAM	12	13	20.47	20.69	20.58				
5	HQAM	25	0	20.56	20.59	20.53	19.4	5		
5	HQAM	25	7	20.56	20.59	20.53				
5	HQAM	50	0	18.50	18.46	18.31	19.4	5		
5	HQAM	50	12	18.50	18.50	18.51				
5	HQAM	50	24	18.50	18.50	18.51	19.4	5		
5	HQAM	50	48	18.50	18.50	18.51				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.75	23.84	23.78	24.4	0		
3	QPSK	1	14	23.64	23.86	23.80				
3	QPSK	8	0	22.46	22.60	22.66	23.4	1		
3	QPSK	8	7	22.56	22.65	22.68				
3	QPSK	15	0	22.81	22.59	22.81	23.4	1		
3	QPSK	15	7	22.80	22.60	22.82				
3	HQAM	1	0	22.84	22.94	22.89	23.4	1		
3	HQAM	1	14	22.74	23.02	22.76				
3	HQAM	8	0	21.74	21.84	21.79	22.4	2		
3	HQAM	8	7	21.72	21.84	21.72				
3	HQAM	15	0	21.72	21.84	21.79	22.4	2		
3	HQAM	15	7	21.72	21.84	21.79				
3	HQAM	1	0	21.85	21.84	21.78	22.4	2		
3	HQAM	1	14	21.85	21.84	21.78				
3	HQAM	8	0	20.61	20.70	20.58	21.4	3		
3	HQAM	8	7	20.67	20.71	20.58				
3	HQAM	15	0	20.59	20.72	20.61	19.4	5		
3	HQAM	15	7	20.59	20.72	20.61				
3	HQAM	1	0	18.76	18.81	18.77	19.4	5		
3	HQAM	1	14	18.89	18.73	18.73				
3	HQAM	8	0	18.89	18.73	18.73	19.4	5		
3	HQAM	8	7	18.89	18.73	18.73				
3	HQAM	15	0	18.52	18.58	18.60	19.4	5		
3	HQAM	15	7	18.54	18.59	18.59				
3	HQAM	8	0	18.52	18.58	18.60	19.4	5		
3	HQAM	8	7	18.52	18.58	18.60				
3	HQAM	8	14	18.52	18.58	18.60				
3	HQAM	8	21	18.52	18.58	18.60				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.76	23.72	23.79	24.4	0		
1.4	QPSK	1	14	23.74	23.71	23.73				
1.4	QPSK	3	0	23.60	23.60	23.60	23.4	1		
1.4	QPSK	3	7	23.49	23.62	23.28				
1.4	QPSK	6	0	22.50	22.59	22.62	23.4	1		
1.4	QPSK	6	7	22.50	22.59	22.62				
1.4	HQAM	1	0	22.86	22.86	22.84	23.4	1		
1.4	HQAM	1	14	22.77	22.89	22.74				
1.4	HQAM	3	0	22.74	22.85	22.77	22.4	2		
1.4	HQAM	3	7	22.74	22.85	22.77				
1.4	HQAM	6	0	21.63	21.68	21.72	22.4	2		
1.4	HQAM	6	7	21.63	21.68	21.72				
1.4	HQAM	1	0	21.83	21.93	21.85	22.4	2		
1.4	HQAM	1	14	21.72	21.92	21.83				
1.4	HQAM	3	0	21.68	21.68	21.63	22.4	2		
1.4	HQAM	3	7	21.67	21.68	21.65				
1.4	HQAM	6	0	20.51	20.73	20.57	21.4	3		
1.4	HQAM	6	7	20.51	20.73	20.57				
1.4	HQAM	1	0	18.52	18.61	18.58	19.4	5		
1.4	HQAM	1	14	18.77	18.76	18.72				
1.4	HQAM	3	0	18.52	18.61	18.58	19.4	5		
1.4	HQAM	3	7	18.52	18.61	18.58				
1.4	HQAM	6	0	18.51	18.61	18.62	19.4	5		
1.4	HQAM	6	7	18.51	18.61	18.62				
1.4	HQAM	1	0	18.55	18.55	18.55	19.4	5		
1.4	HQAM	1	14	18.61	18.61	18.62				

Band 7 Ant 7										
RF (MHz)	Modulation	RB Size	RB Offset	Power (Ch 1)	Power (Ch 2)	Power (Ch 3)	Power (Ch 4)	Transmit (dBm)	MFR (dB)	
Channel				20860	21000	21350				
Frequency (MHz)										
20	QPSK	1	0	22.17	22.91	22.91				
20	QPSK	1	46	22.82	22.82	22.74				
20	QPSK	1	92	22.11	22.87	22.72		23	0	
20	QPSK	55	24	21.22	21.22	21.09				
20	QPSK	55	24	21.37	21.87	21.52				
20	QPSK	55	50	21.45	21.60	21.51		22	1	
20	QPSK	100	24	20.86	20.86	20.86				
20	16QAM	1	0	21.15	21.87	21.80				
20	16QAM	1	46	21.80	21.80	21.80				
20	16QAM	1	92	21.14	21.87	21.77		22	1	
20	16QAM	55	0	20.28	20.63	20.49				
20	16QAM	55	24	20.36	20.36	20.29				
20	16QAM	55	50	20.44	20.74	20.69		21	2	
20	16QAM	100	0	20.38	20.32	20.25				
20	16QAM	100	24	20.44	20.44	20.39				
20	16QAM	1	46	20.83	20.80	20.73		21	2	
20	16QAM	1	92	20.75	20.84	20.79				
20	16QAM	55	24	20.36	20.36	20.36				
20	16QAM	55	24	19.41	19.71	19.60		20	3	
20	16QAM	55	50	19.54	19.74	19.72				
20	16QAM	55	50	19.66	19.66	19.66				
20	256QAM	1	0	17.82	17.65	17.58				
20	256QAM	1	46	17.80	17.89	17.65		18	5	
20	256QAM	1	92	17.80	17.80	17.80				
20	256QAM	55	0	17.38	17.51	17.43				
20	256QAM	55	24	17.53	17.58	17.49		18	5	
20	256QAM	55	24	17.65	17.65	17.65				
20	256QAM	100	0	17.43	17.54	17.46				
Channel				20865	21000	21375		Transmit (dBm)	MFR (dB)	
Frequency (MHz)										
15	QPSK	1	0	21.50	22.05	22.05				
15	QPSK	1	37	22.47	22.87	22.87		22	0	
15	QPSK	1	74	22.76	22.84	22.82				
15	QPSK	1	21	22.52	22.58	21.52				
15	QPSK	36	20	21.36	21.61	21.48		22	1	
15	QPSK	36	20	21.34	21.50	21.49				
15	QPSK	75	0	21.38	21.54	21.53		21	1	
15	16QAM	1	0	21.06	21.73	21.69				
15	16QAM	1	37	21.54	21.87	21.84		22	1	
15	16QAM	1	74	21.69	21.69	21.63				
15	16QAM	36	0	20.25	20.46	20.35				
15	16QAM	36	20	20.24	20.50	20.37		21	2	
15	16QAM	75	0	20.24	20.24	20.24				
15	16QAM	75	0	20.29	20.59	20.45				
15	16QAM	1	0	19.86	20.77	20.69		21	2	
15	16QAM	1	37	20.29	20.29	20.29				
15	16QAM	1	74	20.17	20.62	20.72				
15	16QAM	36	0	19.86	19.86	19.86				
15	16QAM	36	20	19.31	19.81	19.35		20	3	
15	16QAM	36	3	19.47	19.72	19.59				
15	16QAM	75	0	19.86	19.86	19.86				
15	256QAM	1	0	17.56	17.51	17.51				
15	256QAM	1	37	17.50	17.83	17.50		18	5	
15	256QAM	1	74	17.50	17.50	17.50				
15	256QAM	36	0	17.37	17.48	17.48				
15	256QAM	36	20	17.44	17.49	17.40		17	4	
15	256QAM	75	0	17.44	17.44	17.44				
15	256QAM	75	0	17.37	17.42	17.38				
Channel				20860	21000	21425		Transmit (dBm)	MFR (dB)	
Frequency (MHz)										
10	QPSK	1	0	22.09	22.89	22.81				
10	QPSK	1	26	22.48	22.71	22.69		23	0	
10	QPSK	1	49	22.74	22.68	22.42				
10	QPSK	1	72	22.51	22.51	22.51				
10	QPSK	25	12	21.48	21.53	21.37		22	1	
10	QPSK	25	12	21.42	21.63	21.41				
10	QPSK	50	25	21.21	21.42	21.37				
10	16QAM	1	0	21.08	21.86	21.86				
10	16QAM	1	25	21.53	21.73	21.77		22	1	
10	16QAM	1	49	21.79	21.79	21.68				
10	16QAM	25	0	20.18	20.57	20.38				
10	16QAM	25	12	20.29	20.63	20.43		21	2	
10	16QAM	50	0	20.18	20.18	20.18				
10	16QAM	50	0	20.28	20.51	20.38				
10	16QAM	1	3	19.94	20.70	20.70		21	2	
10	16QAM	1	25	20.18	20.18	20.18				
10	16QAM	1	49	20.62	20.61	20.77				
10	16QAM	25	0	19.59	19.59	19.54				
10	16QAM	25	12	19.59	19.59	19.57				
10	16QAM	25	25	19.42	19.60	19.58				
10	16QAM	50	0	19.55	19.55	19.55				
10	16QAM	50	0	19.75	19.75	19.75				
10	256QAM	1	25	17.53	17.65	17.56				
10	256QAM	1	49	17.46	17.46	17.46				
10	256QAM	25	12	17.25	17.25	17.25				
10	256QAM	25	12	17.46	17.46	17.46				
10	256QAM	25	12	17.46	17.42	17.46				
10	256QAM	50	0	17.34	17.38	17.41				
Channel				20775	21000	21425		Transmit (dBm)	MFR (dB)	
Frequency (MHz)										
5	QPSK	1	0	21.76	22.82	22.81				
5	QPSK	1	12	22.81	22.73	22.68		23	0	
5	QPSK	1	24	22.74	22.63	22.47				
5	QPSK	1	36	22.58	22.58	22.58				
5	QPSK	12	7	21.34	21.57	21.48		22	1	
5	QPSK	12	13	21.33	21.51	21.42				
5	QPSK	25	12	21.27	21.47	21.43				
5	16QAM	1	0	21.01	21.82	21.73				
5	16QAM	1	12	21.56	21.60	21.77		22	1	
5	16QAM	1	24	21.60	21.60	21.60				
5	16QAM	12	0	20.26	20.61	20.40				
5	16QAM	12	7	20.27	20.61	20.39		21	2	
5	16QAM	25	0	20.26	20.26	20.26				
5	16QAM	25	0	20.35	20.60	20.40				
5	16QAM	1	0	19.98	20.81	20.71		21	2	
5	16QAM	1	12	20.35	20.77	20.68				
5	16QAM	1	24	20.66	20.74	20.65				
5	16QAM	12	0	19.21	19.58	19.37				
5	16QAM	12	7	19.21	19.58	19.58				
5	16QAM	12	13	19.45	19.62	19.59		20	3	
5	16QAM	25	0	19.25	19.25	19.51				
5	16QAM	25	0	19.45	19.45	19.45				
5	256QAM	1	12	17.57	17.56	17.57		18	5	
5	256QAM	1	24	17.60	17.61	17.68				
5	256QAM	12	7	17.27	17.33	17.37				
5	256QAM	12	7	17.50	17.44	17.47				
5	256QAM	12	13	17.63	17.62	17.68		18	5	

Band 7 Ant 5											
RW [MHz]	Modulation	RB Size	PR Cyclic	Power [dBm]	Ch. #	Power [dBm]	Ch. #	Power [dBm]	Ch. #	Turnup ratio (dB)	MFR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.71	23.71	23.63	23.72				
20	QPSK	1	48	23.72	23.74	23.68		24.3		0	
20	QPSK	5	9	23.80	23.75	23.80					
20	QPSK	5	24	23.81	23.76	23.81					
20	QPSK	5	24	22.61	22.61	22.58		23.3			
20	QPSK	5	55	22.71	22.74	22.68					
20	QPSK	5	55	22.75	22.78	22.71					
20	WQAM	1	0	22.92	22.99	22.97					
20	WQAM	1	96	22.86	22.81	22.91		23.3		1	
20	WQAM	1	96	22.92	22.87	22.92					
20	WQAM	5	0	21.61	21.65	21.56					
20	WQAM	5	55	21.76	21.78	21.74		23.3		2	
20	WQAM	5	55	21.82	21.82	21.79					
20	WQAM	100	0	21.70	21.82	21.78					
20	WQAM	100	0	21.72	21.84	21.78					
20	WQAM	1	48	21.77	21.84	21.75		23.3		2	
20	WQAM	1	96	21.86	21.88	21.78					
20	WQAM	5	24	20.68	20.63	20.68					
20	WQAM	5	24	20.68	20.63	20.68					
20	WQAM	5	55	20.73	20.73	20.65		21.3			
20	WQAM	5	55	20.77	20.77	20.69					
20	25QAM	1	0	19.03	19.09	19.03					
20	25QAM	1	48	18.97	18.93	18.89		19.3		5	
20	25QAM	1	48	18.97	18.93	18.89					
20	25QAM	5	0	18.76	19.01	18.82					
20	25QAM	5	24	18.87	18.88	18.78		19.3		5	
20	25QAM	5	24	18.87	18.88	18.78					
20	25QAM	5	55	18.87	18.88	18.78					
20	25QAM	5	55	18.87	18.88	18.78					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.71	23.78	23.67	23.74				
15	QPSK	1	34	23.71	23.68	23.67		24.3		0	
15	QPSK	1	74	23.62	23.73	23.65					
15	QPSK	1	74	23.63	23.73	23.67					
15	QPSK	36	20	22.46	22.42	22.52		23.1			
15	QPSK	36	20	22.46	22.42	22.52					
15	WQAM	1	0	22.82	22.89	22.89					
15	WQAM	1	31	22.89	22.78	22.88		23.3		1	
15	WQAM	1	31	22.93	22.85	22.73					
15	WQAM	36	0	21.39	21.58	21.46					
15	WQAM	36	20	21.72	21.73	21.58		23.3		2	
15	WQAM	36	20	21.72	21.73	21.58					
15	WQAM	75	0	21.69	21.71	21.61					
15	WQAM	75	0	21.76	21.78	21.69		23.3		2	
15	WQAM	75	0	21.87	21.87	21.80					
15	WQAM	1	74	21.81	21.77	21.72					
15	WQAM	36	20	20.53	20.52	20.57					
15	WQAM	36	20	20.53	20.52	20.57					
15	WQAM	36	20	20.51	20.74	20.54		21.3			
15	WQAM	36	20	20.51	20.74	20.54					
15	25QAM	1	0	18.98	19.04	18.98					
15	25QAM	1	0	18.98	19.04	18.98					
15	25QAM	1	34	18.93	18.97	18.76		19.3		5	
15	25QAM	1	34	18.93	18.97	18.76					
15	25QAM	5	0	18.74	18.99	18.81					
15	25QAM	5	24	18.72	18.77	18.75		19.3		5	
15	25QAM	5	24	18.74	18.78	18.67					
15	25QAM	5	55	18.83	18.85	18.87					
15	25QAM	5	55	18.83	18.85	18.87					
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.60	23.73	23.66					
10	QPSK	1	26	23.68	23.68	23.57		24.3		0	
10	QPSK	1	49	23.53	23.62	23.59					
10	QPSK	1	49	23.57	23.64	23.54					
10	QPSK	25	12	22.87	22.80	22.83		23.3		1	
10	QPSK	25	25	22.96	22.72	22.96					
10	QPSK	25	25	22.93	22.68	22.93					
10	WQAM	1	0	22.84	22.88	22.89					
10	WQAM	1	25	22.85	22.78	22.83		23.3		1	
10	WQAM	1	25	22.89	22.82	22.83					
10	WQAM	25	0	21.49	21.58	21.52					
10	WQAM	25	12	21.67	21.65	21.60		23.3		2	
10	WQAM	25	12	21.67	21.65	21.60					
10	WQAM	50	0	21.58	21.78	21.71					
10	WQAM	50	0	21.72	21.69	21.74					
10	WQAM	50	12	21.73	21.72	21.72		23.3		2	
10	WQAM	1	48	21.77	21.82	21.77					
10	WQAM	1	96	21.82	21.81	21.74					
10	WQAM	25	0	20.49	20.51	20.44					
10	WQAM	25	12	20.52	20.51	20.42		21.3			
10	WQAM	25	25	20.72	20.63	20.58					
10	WQAM	50	0	20.56	20.63	20.71					
10	WQAM	50	0	20.56	20.63	20.71					
10	25QAM	1	25	18.83	19.00	18.84		19.3		5	
10	25QAM	1	25	18.87	18.91	18.84					
10	25QAM	25	12	18.71	18.71	18.66					
10	25QAM	25	12	18.72	18.76	18.66		19.3		5	
10	25QAM	25	12	18.73	18.77	18.66					
10	25QAM	50	0	18.53	18.76	18.75					
10	25QAM	50	0	18.56	18.76	18.75					
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.72	23.76	23.65					
5	QPSK	1	12	23.62	23.61	23.62		24.3		0	
5	QPSK	1	24	23.57	23.61	23.57					
5	QPSK	1	24	23.58	23.61	23.57					
5	QPSK	12	13	22.68	22.68	22.62		23.3		1	
5	QPSK	12	13	22.68	22.68	22.62					
5	QPSK	12	13	22.68	22.68	22.62					
5	WQAM	1	0	22.86	22.94	22.96					
5	WQAM	1	12	22.86	22.74	22.81		23.3		1	
5	WQAM	1	24	21.61	21.55	21.44					
5	WQAM	12	7	21.61	21.53	21.57		23.3		2	
5	WQAM	12	7	21.61	21.53	21.57					
5	WQAM	25	0	21.61	21.76	21.65					
5	WQAM	25	1	21.67	21.84	21.69		23.3		2	
5	WQAM	25	1	21.67	21.84	21.69					
5	WQAM	1	24	21.74	21.84	21.67					
5	WQAM	12	9	20.53	20.52	20.42					
5	WQAM	12	9	20.53	20.52	20.42					
5	WQAM	25	0	20.59	20.73	20.51		21.3			
5	WQAM	25	0	20.59	20.73	20.51					
5	25QAM	1	12	18.93	19.05	18.79		19.3		5	
5	25QAM	1	12	18.91	19.01	18.91					
5	25QAM	12	16	18.76	18.71	18.67					
5	25QAM	12	16	18.76	18.74	18.70		19.3		5	

Band 7 Ant 0									
RF BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm) C/Freq	Power (dBm) C/Freq	Power (dBm) C/Freq	Turnup time (dBs)	MFR (dB)	
Channel							20850	21100	21350
20	QPSK	5	0	23.01	23.01	23.01			
20	QPSK	1	49	22.92	23.08	22.94			23.6
20	QPSK	50	99	22.96	23.08	22.97			0
20	QPSK	50	99	22.96	23.08	22.97			23.6
20	QPSK	50	24	21.98	22.01	21.97			22.6
20	QPSK	50	99	22.02	22.07	21.99			1
20	QPSK	100	200	21.98	22.01	21.99			22.6
20	HQAM	1	0	22.10	22.16	22.04			1
20	HQAM	1	49	22.17	22.29	22.25			22.6
20	HQAM	1	99	22.10	22.22	22.18			22.6
20	HQAM	50	0	20.86	20.88	20.89			21.6
20	HQAM	50	99	21.01	21.03	21.06			21.6
20	HQAM	50	24	21.02	21.03	21.02			21.6
20	HQAM	100	0	21.02	21.06	21.02			21.6
20	HQAM	100	99	21.02	21.06	21.02			21.6
20	HQAM	1	49	21.00	21.14	21.11			21.6
20	HQAM	1	99	20.98	21.11	21.05			21.6
20	HQAM	50	24	19.92	20.05	19.95			20.6
20	HQAM	50	99	19.94	20.05	20.01			20.6
20	HQAM	100	0	19.92	20.05	20.01			20.6
20	HQAM	100	99	17.88	18.01	17.91			18.6
20	HQAM	1	49	17.90	18.04	17.96			18.6
20	HQAM	50	0	17.88	17.90	17.90			18.6
20	HQAM	50	99	17.77	17.86	17.75			18.6
20	HQAM	50	24	17.85	17.88	17.84			18.6
20	HQAM	100	0	17.85	17.88	17.84			18.6
20	HQAM	100	99	17.99	18.02	17.97			18.6
Channel							20851	21101	21351
Frequency (MHz)							0	0	0
15	QPSK	1	0	22.93	22.93	22.93			MFR (dB)
15	QPSK	1	37	22.86	22.92	22.86			23.6
15	QPSK	1	74	22.87	23.03	22.96			23.6
15	QPSK	1	111	22.87	23.03	22.96			23.6
15	QPSK	25	200	21.83	21.90	21.82			22.6
15	QPSK	25	36	22.01	21.98	21.81			22.6
15	QPSK	25	74	21.83	21.95	21.89			22.6
15	HQAM	1	0	22.09	22.12	22.01			22.6
15	HQAM	1	37	22.12	22.19	22.18			22.6
15	HQAM	1	74	22.09	22.12	22.09			22.6
15	HQAM	36	0	20.72	20.83	20.77			21.6
15	HQAM	36	20	20.91	20.89	20.94			21.6
15	HQAM	36	74	20.92	20.89	20.90			21.6
15	HQAM	75	0	20.94	21.03	20.99			21.6
15	HQAM	75	36	20.86	20.90	20.89			21.6
15	HQAM	75	74	20.91	21.05	21.01			21.6
15	HQAM	1	74	20.88	21.02	20.99			21.6
15	HQAM	36	20	19.76	19.87	19.72			18.6
15	HQAM	36	74	19.76	19.91	19.86			18.6
15	HQAM	36	99	19.89	19.92	19.95			18.6
15	HQAM	75	99	19.92	19.95	19.96			18.6
15	HQAM	1	0	17.76	17.86	17.75			18.6
15	HQAM	1	37	17.83	17.89	17.82			18.6
15	HQAM	1	74	17.77	17.86	17.75			18.6
15	HQAM	36	74	17.74	17.75	17.75			18.6
15	HQAM	36	20	17.84	17.82	17.85			18.6
15	HQAM	36	74	17.87	17.87	17.87			18.6
15	HQAM	36	99	17.87	17.87	17.87			18.6
15	HQAM	75	0	17.96	18.01	17.91			18.6
Channel							20850	21100	21450
Frequency (MHz)							0	0	0
10	QPSK	1	0	23.01	23.03	23.00			MFR (dB)
10	QPSK	1	26	22.77	22.99	22.93			23.6
10	QPSK	1	49	22.83	23.02	22.96			23.6
10	QPSK	1	75	22.83	23.02	22.96			23.6
10	QPSK	25	12	21.96	21.94	21.88			22.6
10	QPSK	25	26	21.88	21.99	21.91			22.6
10	QPSK	25	75	21.90	22.01	21.93			22.6
10	HQAM	1	0	22.05	22.14	22.03			22.6
10	HQAM	1	26	22.10	22.24	22.24			22.6
10	HQAM	1	49	22.05	22.17	22.17			22.6
10	HQAM	25	0	20.83	20.97	20.83			21.6
10	HQAM	25	12	20.92	20.92	20.94			21.6
10	HQAM	25	26	20.91	20.91	20.91			21.6
10	HQAM	50	0	21.00	20.92	21.00			21.6
10	HQAM	50	1	20.89	20.89	20.89			21.6
10	HQAM	50	26	20.92	20.92	20.92			21.6
10	HQAM	1	49	20.89	21.04	20.96			21.6
10	HQAM	25	0	19.72	19.88	19.73			18.6
10	HQAM	25	12	19.73	19.81	19.74			18.6
10	HQAM	25	26	19.87	19.90	19.90			18.6
10	HQAM	50	0	17.77	17.90	17.85			18.6
10	HQAM	50	1	17.77	17.90	17.85			18.6
10	HQAM	1	26	17.81	17.89	17.81			18.6
10	HQAM	1	49	17.88	17.88	17.84			18.6
10	HQAM	25	12	17.87	17.83	17.87			18.6
10	HQAM	25	26	17.76	17.74	17.87			18.6
10	HQAM	50	0	17.88	17.88	17.88			18.6
10	HQAM	50	26	17.88	17.91	17.85			18.6
Channel							20775	21100	21425
Frequency (MHz)							0	0	0
5	QPSK	1	0	22.97	22.99	22.97			MFR (dB)
5	QPSK	1	12	22.83	22.94	22.85			23.6
5	QPSK	1	24	22.87	22.94	22.89			23.6
5	QPSK	1	36	21.93	21.91	21.87			22.6
5	QPSK	12	7	21.92	21.90	21.77			22.6
5	QPSK	12	19	21.97	22.04	21.81			22.6
5	QPSK	12	31	21.98	22.04	21.82			22.6
5	HQAM	1	0	22.09	22.08	22.06			22.6
5	HQAM	1	12	22.04	22.20	22.24			22.6
5	HQAM	1	24	22.04	22.18	22.17			22.6
5	HQAM	12	7	20.81	20.86	20.82			21.6
5	HQAM	12	7	20.99	20.93	20.93			21.6
5	HQAM	12	19	21.01	20.97	20.97			21.6
5	HQAM	25	0	20.99	21.02	20.98			21.6
5	HQAM	1	0	20.96	20.97	20.88			21.6
5	HQAM	1	12	20.92	20.98	20.91			21.6
5	HQAM	1	24	20.84	20.99	21.01			21.6
5	HQAM	12	0	19.68	19.88	19.72			18.6
5	HQAM	12	19	19.78	19.81	19.81			18.6
5	HQAM	12	31	19.82	19.90	19.85			18.6
5	HQAM	25	0	19.86	19.91	19.87			18.6
5	HQAM	25	19	19.77	19.83	19.82			18.6
5	HQAM	12	7	17.78	17.89	17.86			18.6
5	HQAM	12	24	17.92	17.99	17.85			18.6
5	HQAM	12	31	17.77	17.83	17.83			18.6
5	HQAM	12	7	17.75	17.85	17.82			18.6
5	HQAM	12	19	17.85	17.86	17.81			18.6

Band 12_Ant 1										
RF [MHz]	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Time-slot (ms)	MPR (dB)		
Channel				25600	25600	25120				
10	QPSK	1	0	25.11	25.14	25.08				
10	QPSK	1	26	25.08	25.12	25.08	23.8	0		
10	QPSK	1	49	25.06	25.11	23.06				
10	QPSK	1	72	25.04	25.09	23.04				
10	QPSK	12	0	22.07	22.16	22.03			22.8	1
10	QPSK	12	26	22.09	22.17	22.03				
10	QPSK	12	50	22.05	22.10	22.03				
10	HQAM	1	0	22.10	22.22	22.13				
10	HQAM	1	26	22.24	22.30	22.17	22.8	1		
10	HQAM	1	49	22.28	22.36	22.27				
10	HQAM	12	0	21.16	21.21	21.12				
10	HQAM	12	26	21.19	21.20	21.14	21.8			
10	HQAM	12	50	21.16	21.18	21.12				
10	HQAM	50	0	21.14	21.17	20.20				
10	HQAM	50	26	21.11	21.13	20.20				
10	HQAM	1	26	21.14	21.25	21.23	21.8			
10	HQAM	1	49	21.10	21.21	21.18				
10	HQAM	12	0	20.15	20.18	20.08				
10	HQAM	12	26	20.15	20.19	20.08	20.8			
10	HQAM	12	50	20.07	20.20	20.10				
10	HQAM	12	74	20.04	20.17	20.05				
10	256QAM	1	0	18.37	18.41	18.30				
10	256QAM	1	26	18.42	18.55	18.51	18.8	5		
10	256QAM	1	49	18.53	18.60	18.57				
10	256QAM	1	72	18.28	18.37	18.34				
10	256QAM	12	0	18.32	18.44	18.28	18.8	5		
10	256QAM	12	26	18.43	18.48	18.43				
10	256QAM	12	50	18.38	18.47	18.30				
Channel				25055	25055	25155				
10	QPSK	1	0	23.09	23.09	23.03				
10	QPSK	1	12	23.08	23.09	23.01	23.8	0		
10	QPSK	1	24	23.01	23.09	23.03				
10	QPSK	1	36	23.01	23.09	23.03				
10	QPSK	12	7	22.03	22.07	22.02			22.8	1
10	QPSK	12	13	22.06	22.06	22.03				
10	QPSK	12	25	22.03	22.06	22.03				
10	HQAM	1	0	22.04	22.19	22.20				
10	HQAM	1	12	22.20	22.24	22.20	22.8	1		
10	HQAM	1	24	22.24	22.28	22.20				
10	HQAM	12	0	21.09	21.05	21.01				
10	HQAM	12	7	21.14	21.09	21.08	21.8	2		
10	HQAM	12	13	21.11	21.07	21.08				
10	HQAM	12	25	21.08	21.07	21.01				
10	HQAM	1	24	21.09	21.04	20.99	21.8	2		
10	HQAM	1	36	21.04	21.04	21.01				
10	HQAM	1	48	21.08	21.10	21.10				
10	HQAM	12	0	20.08	20.05	20.04				
10	HQAM	12	20	20.06	20.10	20.06	20.8	3		
10	HQAM	12	40	20.05	20.10	20.05				
10	HQAM	12	13	19.10	19.15	19.04				
10	HQAM	12	25	19.12	19.17	19.04				
10	HQAM	12	7	18.19	18.24	18.28	18.8	5		
10	HQAM	12	13	18.21	18.26	18.21				
10	HQAM	12	25	18.22	18.27	18.17				
10	HQAM	12	7	18.29	18.34	18.28	18.8	5		
10	HQAM	12	13	18.31	18.36	18.25				
10	HQAM	12	25	18.35	18.40	18.25				
10	HQAM	12	0	18.25	18.40	18.20				
Channel				25055	25055	25155				
10	QPSK	1	0	23.09	23.09	23.03				
10	QPSK	1	12	23.08	23.09	23.01	23.8	0		
10	QPSK	1	24	23.01	23.09	23.03				
10	QPSK	1	36	23.01	23.09	23.03				
10	QPSK	12	7	22.03	22.06	22.02			22.8	1
10	QPSK	12	13	22.06	22.06	22.03				
10	QPSK	12	25	22.03	22.11	22.03				
10	HQAM	1	0	22.07	22.18	22.22				
10	HQAM	1	12	22.20	22.24	22.22	22.8	1		
10	HQAM	1	24	22.24	22.28	22.22				
10	HQAM	12	0	21.09	21.05	21.01				
10	HQAM	12	7	21.14	21.09	21.08	21.8	2		
10	HQAM	12	13	21.11	21.07	21.08				
10	HQAM	12	25	21.08	21.07	21.01				
10	HQAM	1	24	21.09	21.04	20.99	21.8	2		
10	HQAM	1	36	21.04	21.04	21.01				
10	HQAM	1	48	21.08	21.10	21.10				
10	HQAM	12	0	20.08	20.05	20.04				
10	HQAM	12	20	20.06	20.10	20.06	20.8	3		
10	HQAM	12	40	20.05	20.10	20.05				
10	HQAM	12	13	19.10	19.15	19.04				
10	HQAM	12	25	19.12	19.17	19.04				
10	HQAM	12	7	18.19	18.24	18.28	18.8	5		
10	HQAM	12	13	18.21	18.26	18.21				
10	HQAM	12	25	18.22	18.27	18.17				
10	HQAM	12	7	18.29	18.34	18.28	18.8	5		
10	HQAM	12	13	18.31	18.36	18.25				
10	HQAM	12	25	18.35	18.40	18.25				
10	HQAM	12	0	18.25	18.36	18.20				
Channel				25057	25057	25173				
10	QPSK	1	0	23.11	23.11	23.03				
10	QPSK	1	8	23.09	23.07	23.03				
10	QPSK	1	16	23.05	23.08	23.03	23.8	0		
10	QPSK	1	24	23.03	23.06	23.03				
10	QPSK	3	0	23.01	23.13	23.08				
10	QPSK	3	8	23.03	23.04	23.08				
10	QPSK	3	16	23.02	23.10	23.08	22.8	1		
10	HQAM	1	0	22.08	22.27	22.16				
10	HQAM	1	8	22.24	22.25	22.16				
10	HQAM	1	16	22.28	22.29	22.16				
10	HQAM	3	0	22.06	22.04	22.25	22.8	1		
10	HQAM	3	8	22.12	22.10	22.07				
10	HQAM	3	16	22.15	22.24	22.12				
10	HQAM	6	0	21.03	21.07	21.05	21.8	2		
10	HQAM	6	8	21.01	21.07	21.06				
10	HQAM	6	16	21.03	21.11	21.07	21.8	2		
10	HQAM	6	24	21.05	21.10	21.03				
10	HQAM	6	32	21.08	21.09	20.94				
10	HQAM	6	40	21.12	21.20	20.94				
10	HQAM	6	48	21.09	21.17	20.92	20.8	3		
10	HQAM	6	56	21.01	21.07	20.99				
10	HQAM	6	64	21.03	21.09	20.92				
10	HQAM	6	72	21.05	21.10	20.92				
10	HQAM	6	80	21.08	21.13	20.87	18.8	5		
10	HQAM	6	88	21.10	21.15	20.87				
10	HQAM	6	96	21.12	21.17	20.87				
10	HQAM	6	104	21.04	21.09	20.87				
10	HQAM	6	112	21.06	21.11	20.87				
10	HQAM	6	120	21.08	21.13	20.87				
10	HQAM	6	128	21.10	21.15	20.87				
10	HQAM	6	136	21.12	21.17	20.87				
10	HQAM	6	144	21.14	21.19	20.87				
10	HQAM	6	152	21.16	21.21	20.87				
10	HQAM	6	160	21.18	21.23	20.87				
10	HQAM	6	168	21.20	21.25	20.87				
10	HQAM	6	176	21.22	21.27	20.87				
10	HQAM	6	184	21.24	21.29	20.87				
10	HQAM	6	192	21.26	21.31	20.87				
10	HQAM	6	200	21.28	21.33	20.87				
10	HQAM	6	208	21.30	21.35	20.87				
10	HQAM	6	216	21.32	21.37	20.87				
10	HQAM	6	224	21.34	21.39	20.87				
10	HQAM	6	232	21.36	21.41	20.87				
10	HQAM	6	240	21.38	21.43	20.87				
10	HQAM	6	248	21.40	21.45	20.87				
10	HQAM	6	256	21.42	21.47	20.87				
10	HQAM	6	264	21.44	21.49	20.87				
10	HQAM	6	272	21.46	21.51	20.87				
10	HQAM	6	280	21.48	21.53	20.87				
10	HQAM	6	288	21.50	21.55	20.87				
10	HQAM	6	296	21.52	21.57	20.87				
10	HQAM	6	304	21.54	21.59	20.87				
10	HQAM	6	312	21.56	21.61	20.87				
10	HQAM	6	320	21.58	21.63	20.87				
10	HQAM	6	328	21.60	21.65	20.87				
10	HQAM	6	336	21.62	21.67	20.87				
10	HQAM	6	344	21.64	21.69	20.87				
10	HQAM	6	352	21.66	21.71	20.87				
10	HQAM	6	360	21.68	21.73	20.87				
10	HQAM	6	368	21.70	21.75	20.87				
10	HQAM	6	376	21.72	21.77	20.87				
10	HQAM	6	384	21.74	21.79	20.87				
10	HQAM	6	392	21.76	21.81	20.87				
10	HQAM	6	400	21.78	21.83	20.87				
10	HQAM	6	408	21.80	21.85	20.87				
10	HQAM	6	416	21.82	21.87	20.87				
10	HQAM	6								

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20990	20995	21010			
10	QPSK	1	0	22.45	22.50	22.46			
10	QPSK	1	25	22.43	22.48	22.41	23.3	0	
10	QPSK	1	49	22.39	22.44	22.39			
10	QPSK	25	0	21.81	21.89	21.45			
10	QPSK	25	12	21.58	21.41	21.38	22.3	1	
10	QPSK	25	25	21.37	21.47	21.38			
10	HQAM	1	0	21.60	21.67	21.59	22.3	1	
10	HQAM	1	25	21.67	21.78	21.73			
10	HQAM	1	49	21.61	21.71	21.66			
10	HQAM	25	0	20.30	20.42	20.30			
10	HQAM	25	12	20.27	20.30	20.40	21.3	2	
10	HQAM	25	25	20.50	20.54	20.51			
10	HQAM	50	0	20.42	20.51	20.41			
10	HQAM	1	0	20.41	20.46	20.32	21.3	2	
10	HQAM	1	25	20.30	20.37	20.54			
10	HQAM	1	49	20.45	20.58	20.51			
10	HQAM	25	0	19.35	19.40	19.38			
10	HQAM	25	12	19.43	19.54	19.50			
10	HQAM	25	25	19.48	19.50	19.38	20.3	3	
10	HQAM	50	0	19.41	19.50	19.44			
10	SSBQAM	1	0	17.58	17.64	17.50			
10	SSBQAM	1	25	17.71	17.74	17.67	18.3	5	
10	SSBQAM	1	49	17.68	17.68	17.47			
10	SSBQAM	25	0	17.47	17.53	17.43			
10	SSBQAM	25	12	17.47	17.53	17.43	18.3	5	
10	SSBQAM	25	25	17.58	17.64	17.44			
10	SSBQAM	50	0	17.58	17.62	17.57			
Channel									
Frequency (MHz)				701.5 <th>701.5<th>711.5<th>Time-up Int. (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	701.5 <th>711.5<th>Time-up Int. (dBm)</th><th colspan="2">MPR (dB)</th></th>	711.5 <th>Time-up Int. (dBm)</th> <th colspan="2">MPR (dB)</th>	Time-up Int. (dBm)	MPR (dB)	
5	QPSK	1	0	22.33	22.37	22.40			
5	QPSK	1	12	22.38	22.33	22.37	23.3	0	
5	QPSK	1	24	22.31	22.32	22.31			
5	QPSK	12	0	21.40	21.40	21.34			
5	QPSK	12	7	21.31	21.44	21.31	22.3	1	
5	QPSK	12	13	21.30	21.31	21.38			
5	QPSK	25	0	21.38	21.37	21.38			
5	HQAM	1	0	21.57	21.57	21.56	22.3	1	
5	HQAM	1	12	21.64	21.73	21.64			
5	HQAM	1	24	21.60	21.62	21.56			
5	HQAM	12	0	20.38	20.33	20.38			
5	HQAM	12	7	20.39	20.38	20.37	21.3	2	
5	HQAM	12	13	20.42	20.52	20.40			
5	HQAM	25	0	20.32	20.49	20.32			
5	HQAM	1	0	20.38	20.37	20.37	21.3	2	
5	HQAM	1	12	20.30	20.44	20.41			
5	HQAM	1	24	20.30	20.34	20.41			
5	HQAM	12	0	19.33	19.38	19.38			
5	HQAM	12	7	19.38	19.46	19.46	20.3	3	
5	HQAM	12	13	19.38	19.47	19.52			
5	HQAM	25	0	19.38	19.42	19.30			
5	SSBQAM	1	0	17.48	17.51	17.59	18.3	5	
5	SSBQAM	1	12	17.65	17.65	17.55			
5	SSBQAM	12	0	17.48	17.58	17.36			
5	SSBQAM	12	7	17.54	17.63	17.45	18.3	5	
5	SSBQAM	12	13	17.43	17.51	17.46			
5	SSBQAM	25	0	17.42	17.55	17.54			
Channel									
Frequency (MHz)				701.5 <th>701.5<th>711.5<th>Time-up Int. (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	701.5 <th>711.5<th>Time-up Int. (dBm)</th><th colspan="2">MPR (dB)</th></th>	711.5 <th>Time-up Int. (dBm)</th> <th colspan="2">MPR (dB)</th>	Time-up Int. (dBm)	MPR (dB)	
3	QPSK	1	0	22.34	22.38	22.44			
3	QPSK	1	8	22.31	22.34	22.38	23.3	0	
3	QPSK	1	14	22.31	22.43	22.35			
3	QPSK	8	0	21.48	21.42	21.35			
3	QPSK	8	4	21.30	21.33	21.38	22.3	1	
3	QPSK	8	7	21.31	21.39	21.34			
3	QPSK	16	0	21.38	21.38	21.31			
3	HQAM	1	0	21.54	21.52	21.57	22.3	1	
3	HQAM	1	8	21.62	21.73	21.66			
3	HQAM	1	14	21.48	21.56	21.56			
3	HQAM	8	0	20.37	20.33	20.34			
3	HQAM	8	4	20.38	20.48	20.30	21.3	2	
3	HQAM	8	7	20.32	20.47	20.48			
3	HQAM	15	0	20.35	20.49	20.38			
3	HQAM	1	0	20.32	20.40	20.38			
3	HQAM	1	8	20.58	20.53	20.51	21.3	2	
3	HQAM	1	14	20.38	20.45	20.42			
3	HQAM	8	0	19.38	19.39	19.38			
3	HQAM	8	4	19.42	19.39	19.46	20.3	3	
3	HQAM	15	0	19.38	19.46	19.34			
3	SSBQAM	1	0	17.48	17.50	17.57	18.3	5	
3	SSBQAM	1	14	17.65	17.63	17.52			
3	SSBQAM	8	0	17.48	17.50	17.36			
3	SSBQAM	8	7	17.54	17.51	17.52	18.3	5	
3	SSBQAM	15	0	17.42	17.61	17.43			
Channel									
Frequency (MHz)				701.7 <th>701.5<th>711.3<th>Time-up Int. (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	701.5 <th>711.3<th>Time-up Int. (dBm)</th><th colspan="2">MPR (dB)</th></th>	711.3 <th>Time-up Int. (dBm)</th> <th colspan="2">MPR (dB)</th>	Time-up Int. (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.39	22.48	22.34			
1.4	QPSK	1	3	22.34	22.34	22.38	23.3	0	
1.4	QPSK	1	6	22.37	22.37	22.38			
1.4	QPSK	3	0	22.32	22.45	22.37			
1.4	QPSK	3	1	22.38	22.39	22.34			
1.4	QPSK	3	3	22.35	22.39	22.33			
1.4	QPSK	6	0	21.30	21.38	21.32	22.3	1	
1.4	HQAM	1	0	21.58	21.57	21.56			
1.4	HQAM	1	3	21.52	21.69	21.48			
1.4	HQAM	1	6	21.60	21.68	21.57	22.3	1	
1.4	HQAM	1	0	21.55	21.53	21.52			
1.4	HQAM	1	3	21.47	21.59	21.43			
1.4	HQAM	3	3	21.48	21.54	21.47			
1.4	HQAM	6	0	20.34	20.40	20.38	21.3	2	
1.4	HQAM	1	0	20.38	20.32	20.38			
1.4	HQAM	1	3	20.62	20.58	20.43			
1.4	HQAM	1	6	20.32	20.43	20.39	21.3	2	
1.4	HQAM	3	0	20.36	20.33	20.37			
1.4	HQAM	3	1	20.48	20.59	20.42			
1.4	HQAM	6	0	19.35	19.43	19.32	20.3	3	
1.4	SSBQAM	1	0	17.50	17.57	17.56			
1.4	SSBQAM	1	6	17.61	17.64	17.55			
1.4	SSBQAM	1	3	17.54	17.65	17.61	18.3	5	
1.4	SSBQAM	3	0	17.57	17.42	17.38			
1.4	SSBQAM	3	1	17.68	17.71	17.58			
1.4	SSBQAM	3	3	17.41	17.61	17.49	18.3	5	

Band 13_Ant 1									
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up (int.)	MPR (dB)	
Channel									
Frequency (MHz)							720.5		
10	QPSK	1	0		34.25				
10	QPSK	1	25		24.23		25	0	
10	QPSK	1	49		24.17				
10	QPSK	25	0		23.52				
10	QPSK	25	12		23.20		24	1	
10	QPSK	25	25		23.16				
10	QPSK	50	0		23.16				
10	HQAM	1	0		23.40				
10	HQAM	1	25		23.51		24	1	
10	HQAM	1	49		23.46				
10	HQAM	25	0		22.26				
10	HQAM	25	12		22.24				
10	HQAM	25	25		22.19		23	2	
10	HQAM	50	0		22.18				
10	HQAM	1	0		22.02				
10	HQAM	1	25		22.09		23	2	
10	HQAM	1	49		22.47				
10	HQAM	25	0		21.54				
10	HQAM	25	12		21.57		22	3	
10	HQAM	25	25		21.31				
10	HQAM	50	0		21.48				
10	SSBQAM	1	0		19.39				
10	SSBQAM	1	25		19.44		20	5	
10	SSBQAM	1	49		19.42				
10	SSBQAM	25	0		19.46				
10	SSBQAM	25	12		19.55		20	5	
10	SSBQAM	25	25		19.38				
10	SSBQAM	50	0		19.44				
Channel							23035	23035	23035
Frequency (MHz)							773.7	792	794.5
5	QPSK	1	0	24.18	24.22	24.18			
5	QPSK	1	12	24.18	24.20	24.12	25	0	
5	QPSK	1	24	24.03	24.16	24.13			
5	QPSK	12	0	23.18	23.13	23.07			
5	QPSK	12	7	23.12	23.09	23.10	24	1	
5	QPSK	12	13	23.13	23.01	23.08			
5	QPSK	25	0	23.14	23.09	23.04			
5	HQAM	1	0	23.30	23.31	23.30	24	1	
5	HQAM	1	12	23.40	23.48	23.40			
5	HQAM	1	24	23.29	23.33	23.26			
5	HQAM	12	0	22.11	22.22	22.25			
5	HQAM	12	7	22.21	22.15	22.22	23	2	
5	HQAM	12	13	22.17	22.20	22.24			
5	HQAM	25	0	22.17	22.14	22.08			
5	HQAM	1	0	22.83	22.86	22.84			
5	HQAM	1	12	22.77	22.83	22.82	24	1	
5	HQAM	1	24	22.33	22.40	22.43			
5	HQAM	12	0	21.50	21.46	21.43			
5	HQAM	12	7	21.48	21.53	21.53	22	3	
5	HQAM	12	13	21.21	21.18	21.27			
5	HQAM	25	0	21.39	21.42	21.41			
5	SSBQAM	1	0	19.36	19.39	19.39			
5	SSBQAM	1	12	19.35	19.39	19.41	20	5	
5	SSBQAM	25	0	19.40	19.27	19.36			
5	SSBQAM	12	0	19.39	19.33	19.36			
5	SSBQAM	12	7	19.50	19.50	19.49	20	5	
5	SSBQAM	12	13	19.26	19.35	19.37			
5	SSBQAM	25	0	19.40	19.33	19.36			



Band 17_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Tau (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
22780 22960 23020										
111										
10	QPSK	1	0	22.48	22.49	22.47				
10	QPSK	1	25	22.39	22.46	22.45	23.3	0		
10	QPSK	1	40	22.30	22.43	22.42				
10	QPSK	25	0	21.57	21.62	21.54				
10	QPSK	25	12	21.44	21.57	21.54	22.3	1		
10	QPSK	25	25	21.36	21.57	21.52				
10	QPSK	50	0	21.39	21.54	21.47				
10	QPSK	1	5	21.74	21.75	21.70	22.3	1		
10	QPSK	1	25	21.70	21.76	21.67				
10	QPSK	1	40	21.64	21.72	21.66				
10	QPSK	25	0	20.46	20.51	20.41				
10	QPSK	25	12	20.29	20.51	20.53	21.3	2		
10	QPSK	25	25	20.61	20.62	20.52				
10	QPSK	50	0	20.45	20.53	20.46				
10	QPSK	1	5	20.63	20.65	20.53				
10	QPSK	1	25	20.57	20.53	20.54	21.3	2		
10	QPSK	1	40	20.66	20.71	20.64				
10	QPSK	25	0	19.53	19.55	19.46				
10	QPSK	25	12	19.59	19.59	19.45	20.3	3		
10	QPSK	25	25	19.34	19.57	19.53				
10	QPSK	50	0	19.40	19.59	19.44				
10	QPSK	1	5	17.60	17.70	17.67	18.3	5		
10	QPSK	1	25	17.64	17.59	17.76				
10	QPSK	1	40	17.49	17.59	17.48				
10	QPSK	25	0	17.53	17.66	17.52				
10	QPSK	25	12	17.71	17.58	17.70	18.3	5		
10	QPSK	25	25	17.66	17.68	17.67				
10	QPSK	50	0	17.54	17.61	17.51				
Channel										
22780 22960 23020										
706.1 706 705.1										
5	QPSK	1	0	22.42	22.43	22.43				
5	QPSK	1	12	22.39	22.41	22.34	23.3	0		
5	QPSK	1	24	22.30	22.38	22.31				
5	QPSK	12	0	21.51	21.56	21.48				
5	QPSK	12	7	21.42	21.50	21.50	22.3	1		
5	QPSK	12	13	21.41	21.42	21.38				
5	QPSK	25	0	21.39	21.39	21.31				
5	QPSK	1	5	21.60	21.74	21.66	22.3	1		
5	QPSK	1	12	21.62	21.69	21.65				
5	QPSK	1	24	21.59	21.59	21.56				
5	QPSK	12	0	20.30	20.50	20.38	21.3	2		
5	QPSK	12	7	20.41	20.46	20.41				
5	QPSK	12	13	20.51	20.61	20.57				
5	QPSK	25	0	20.30	20.50	20.37				
5	QPSK	1	5	20.53	20.50	20.49				
5	QPSK	1	12	20.50	20.46	20.50	21.3	2		
5	QPSK	1	24	20.34	20.59	20.45				
5	QPSK	12	0	19.40	19.46	19.34				
5	QPSK	12	7	19.46	19.44	19.41	20.3	3		
5	QPSK	12	13	19.46	19.52	19.47				
5	QPSK	25	0	19.40	19.49	19.39				
5	QPSK	1	5	17.59	17.62	17.51	18.3	5		
5	QPSK	1	12	17.61	17.57	17.84				
5	QPSK	1	24	17.59	17.58	17.48				
5	QPSK	12	0	17.43	17.54	17.52				
5	QPSK	12	7	17.47	17.48	17.59				
5	QPSK	12	13	17.62	17.61	17.62	18.3	5		
5	QPSK	25	0	17.41	17.67	17.40				

Band 25_Ant 6										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Tau (sec)	MFR (dB)		
Channel										
Channel				26140	26360	26360				
Frequency (MHz)										
20	QPSK	1	0	21.55	21.62	21.52				
20	QPSK	1	40	21.32	21.45	21.42	23.8	0		
20	QPSK	1	80	21.30	21.45	21.42				
20	QPSK	50	0	21.46	21.47	21.42				
20	QPSK	50	24	21.37	21.39	21.26	22.8	1		
20	QPSK	50	40	21.30	21.37	21.28				
20	QPSK	100	0	21.30	21.36	21.25				
20	QPSK	1	5	21.67	21.74	21.61	22.8	1		
20	QPSK	1	25	21.61	21.67	21.64				
20	QPSK	1	90	21.30	21.45	21.31				
20	QPSK	50	0	21.36	21.38	21.34				
20	QPSK	50	24	21.31	21.33	21.32	21.8	2		
20	QPSK	50	40	21.28	21.37	21.26				
20	QPSK	100	0	21.25	21.37	21.31				
20	QPSK	1	50	21.57	21.67	21.54				
20	QPSK	1	60	21.44	21.50	21.45	21.8	2		
20	QPSK	1	90	21.36	21.43	21.31				
20	QPSK	50	0	20.30	20.37	20.32				
20	QPSK	50	24	20.30	20.40	20.40	20.8	3		
20	QPSK	50	40	20.30	20.36	20.34				
20	QPSK	50	60	20.30	20.41	20.40				
20	QPSK	1	0	18.00	18.15	18.10				
20	QPSK	1	40	18.17	18.30	18.22	18.8	5		
20	QPSK	1	80	17.59	18.12	18.07				
20	QPSK	50	0	17.69	18.03	17.90				
20	QPSK	50	24	17.66	18.02	18.12	18.8	5		
20	QPSK	50	40	17.60	17.87	17.86				
20	QPSK	100	0	18.00	18.15	18.14				
Channel										
Channel				26115	26340	26315	Tau (sec)	MFR (dB)		
Frequency (MHz)										
15	QPSK	1	0	18.07	18.10 <td>18.07</td> <td></td> <td></td> <td></td> <td></td>	18.07				
15	QPSK	1	37	18.07	18.10 <td>18.07</td> <td>23.8</td> <td>0</td> <td></td> <td></td>	18.07	23.8	0		
15	QPSK	1	74	18.07	18.10 <td>18.07</td> <td></td> <td></td> <td></td> <td></td>	18.07				
15	QPSK	36	0	18.07	18.10 <td>18.07</td> <td></td> <td></td> <td></td> <td></td>	18.07				
15	QPSK	36	20	17.94	18.22	18.27	22.8	1		
15	QPSK	36	40	17.82	18.22	18.27				
15	QPSK	75	0	17.82	18.22	18.27				
15	QPSK	1	5	22.61	22.59	22.48	22.8	1		
15	QPSK	1	37	22.39	22.47	22.45				
15	QPSK	1	74	22.28	22.36	22.28				
15	QPSK	36	0	21.22	21.34	21.28				
15	QPSK	36	20	21.33	21.27	21.30	21.8	2		
15	QPSK	36	40	21.23	21.33	21.23				
15	QPSK	75	0	21.26	21.23	21.27				
15	QPSK	1	5	21.46	21.69	21.52				
15	QPSK	1	37	21.40	21.46	21.38	21.8	2		
15	QPSK	1	74	21.34	21.32	21.26				
15	QPSK	36	0	20.30	20.32	20.27				
15	QPSK	36	20	20.20	20.30	20.16	20.8	3		
15	QPSK	36	40	20.32	20.27	20.13				
15	QPSK	75	0	20.27	20.35	20.29				
15	QPSK	1	0	18.00	18.09	18.00				
15	QPSK	1	37	18.14	18.07	18.14	18.8	5		
15	QPSK	1	74	17.60	17.87	17.82				
15	QPSK	36	0	17.70	17.84	17.81				
15	QPSK	36	20	17.65	17.80	17.85	18.8	5		
15	QPSK	36	40	17.70	17.85	17.81				
15	QPSK	75	0	17.68	18.06	18.07				
Channel										
Channel				26360	26360	26360	Tau (sec)	MFR (dB)		
Frequency (MHz)										
10	QPSK	1	0	22.40	22.54	22.40				
10	QPSK	1	25	22.34	22.37	22.32	23.8	0		
10	QPSK	1	40	22.30	22.31	22.30				
10	QPSK	25	0	22.38	22.38	22.38				
10	QPSK	25	12	22.28	22.38	22.22	22.8	1		
10	QPSK	25	24	22.10	22.38	22.10				
10	QPSK	50	0	22.17	22.30	22.13				
10	QPSK	1	5	22.61	22.63	22.49	22.8	1		
10	QPSK	1	25	22.47	22.59	22.40				
10	QPSK	1	40	22.25	22.36	22.30				
10	QPSK	25	0	21.36	21.33	21.28				
10	QPSK	25	12	21.27	21.33	21.19	21.8	2		
10	QPSK	25	24	21.19	21.33	21.20				
10	QPSK	50	0	21.21	21.36	21.28				

Band 25_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use (min)	MTR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.82	23.79	23.83				
20	QPSK	1	48	23.74	23.74	23.67	24	4	0	
20	QPSK	1	96	23.65	23.70	23.61				
20	QPSK	50	0	22.76	22.75	22.71				
20	QPSK	50	24	22.62	22.73	22.71	23	4	1	
20	QPSK	50	72	22.48	22.70	22.59				
20	QPSK	100	0	22.60	22.62	22.62				
20	QPSK	1	0	22.91	22.96	22.91				
20	QPSK	1	48	22.82	22.82	22.85	23	4	1	
20	QPSK	1	96	22.71	22.79	22.87				
20	QPSK	50	24	21.72	21.76	21.87				
20	QPSK	50	72	21.57	21.70	21.88	22	4	2	
20	QPSK	100	0	21.71	21.72	21.68				
20	QPSK	1	0	21.70	21.68	21.77				
20	QPSK	1	48	21.71	21.69	21.68	22	4	2	
20	QPSK	1	96	21.61	21.75	21.82				
20	QPSK	50	0	20.71	20.79	20.83				
20	QPSK	50	24	20.59	20.70	20.80	21	4	3	
20	QPSK	100	0	20.60	20.71	20.88				
20	QPSK	1	0	18.92	18.47	18.49				
20	QPSK	1	48	18.42	18.57	18.45	19	4	5	
20	QPSK	1	96	18.31	18.37	18.48				
20	QPSK	50	24	18.50	18.70	18.58				
20	QPSK	50	72	18.37	18.68	18.84	19	4	5	
20	QPSK	100	0	18.40	18.71	18.85				
20	QPSK	1	0	18.57	18.67	18.61				
Channel										
Frequency (MHz)										
15.000000										
15	QPSK	1	0	23.78	23.79	23.74				
15	QPSK	1	37	23.68	23.65	23.55	24	4	0	
15	QPSK	1	74	23.58	23.63	23.45				
15	QPSK	36	0	22.65	22.60	22.55				
15	QPSK	36	20	22.54	22.70	22.57	23	4	1	
15	QPSK	36	40	22.43	22.65	22.48				
15	QPSK	75	0	22.59	22.65	22.59				
15	QPSK	1	0	22.62	22.62	22.79				
15	QPSK	1	48	22.61	22.62	22.48	23	4	1	
15	QPSK	1	96	22.70	22.68	22.55				
15	QPSK	36	0	21.71	21.72	21.58				
15	QPSK	36	20	21.64	21.67	21.58	22	4	2	
15	QPSK	36	40	21.56	21.65	21.67				
15	QPSK	75	0	21.63	21.69	21.67				
15	QPSK	1	0	21.62	21.62	21.70				
15	QPSK	1	48	21.71	21.67	21.66	22	4	2	
15	QPSK	1	96	21.46	21.71	21.49				
15	QPSK	36	0	20.52	20.72	20.65				
15	QPSK	36	20	20.54	20.64	20.59	21	4	3	
15	QPSK	36	40	20.46	20.54	20.58				
15	QPSK	75	0	20.51	20.56	20.58				
15	QPSK	1	0	18.21	18.37	18.37				
15	QPSK	1	48	18.17	18.34	18.41	19	4	5	
15	QPSK	1	96	18.07	18.35	18.50				
15	QPSK	36	0	18.40	18.67	18.52				
15	QPSK	36	20	18.30	18.68	18.55	19	4	5	
15	QPSK	36	40	18.43	18.61	18.54				
15	QPSK	75	0	18.58	18.89	18.55				
Channel										
Frequency (MHz)										
15.000000										
10	QPSK	1	0	23.81	23.83	23.72				
10	QPSK	1	25	23.71	23.69	23.55	24	4	0	
10	QPSK	1	50	23.61	23.62	23.47				
10	QPSK	25	0	22.62	22.72	22.71				
10	QPSK	25	12	22.47	22.65	22.57	23	4	1	
10	QPSK	25	25	22.32	22.68	22.55				
10	QPSK	50	0	22.53	22.64	22.58				
10	QPSK	1	0	22.63	22.64	22.89				
10	QPSK	1	48	22.61	22.62	22.48	23	4	1	
10	QPSK	1	96	22.69	22.67	22.55				
10	QPSK	25	0	21.65	21.64	21.64				
10	QPSK	25	12	21.53	21.68	21.59	22	4	2	
10	QPSK	25	25	21.50	21.69	21.55				
10	QPSK	50	0	21.70	21.70	21.85				
10	QPSK	1	0	21.65	21.71	21.70				
10	QPSK	1	48	21.71	21.68	21.58	22	4	2	
10	QPSK	1	96	21.46	21.61	21.59				
10	QPSK	25	0	20.51	20.68	20.53				
10	QPSK	25	12	20.49	20.68	20.50	21	4	3	
10	QPSK	25	25	20.36	20.57	20.49				
10	QPSK	50	0	20.36	20.70	20.59				
10	QPSK	1	0	18.20	18.34	18.41				
10	QPSK	1	25	18.28	18.42	18.46	19	4	5	
10	QPSK	1	48	18.46	18.71	18.82				
10	QPSK	1	96	18.40	18.73	18.82				
10	QPSK	25	0	18.40	18.69	18.51				
10	QPSK	25	12	18.30	18.68	18.55	19	4	5	
10	QPSK	25	25	18.52	18.56	18.55				
10	QPSK	50	0	18.53	18.86	18.48				
Channel										
Frequency (MHz)										
15.000000										
5	QPSK	1	0	23.79	23.84	23.76				
5	QPSK	1	12	23.68	23.63	23.50	24	4	0	
5	QPSK	1	24	23.57	23.59	23.41				
5	QPSK	12	0	22.64	22.62	22.57				
5	QPSK	12	6	22.54	22.65	22.59	23	4	1	
5	QPSK	12	12	22.43	22.62	22.55				
5	QPSK	25	0	22.59	22.65	22.58				
5	QPSK	1	0	22.73	22.61	22.80				
5	QPSK	1	12	22.62	22.62	22.77	23	4	1	
5	QPSK	1	24	22.64	22.67	22.57				
5	QPSK	12	0	21.61	21.68	21.58				
5	QPSK	12	7	21.51	21.71	21.41	22	4	2	
5	QPSK	12	14	21.52	21.66	21.60				
5	QPSK	25	0	21.61	21.69	21.61				
5	QPSK	1	0	21.61	21.61	21.71				
5	QPSK	1	12	21.67	21.74	21.61	22	4	2	
5	QPSK	1	24	21.57	21.74	21.53				
5	QPSK	12	0	20.36	20.68	20.53				
5	QPSK	12	7	20.49	20.65	20.54	21	4	3	
5	QPSK	12	14	20.37	20.54	20.50				
5	QPSK	25	0	20.36	20.57	20.55				
5	QPSK	1	0	18.20	18.32	18.41				
5	QPSK	1	12	18.40	18.73	18.62	19	4	5	
5	QPSK	1	24	18.43	18.73	18.62				
5	QPSK	12	0	18.40	18.63	18.48				
5	QPSK	12	7	18.30	18.68	18.55	19	4	5	
5	QPSK	12	14	18.40	18.70	18.53				
5	QPSK	25	0	18.51	18.85	18.48				
Channel										
Frequency (MHz)										
15.000000										
3	QPSK	1	0	23.74	23.79	23.72				
3	QPSK	1	8	23.67	23.69	23.61	24	4	0	
3	QPSK	1	16	23.57	23.65	23.53				
3	QPSK	8	0	22.64	22.65	22.61				
3	QPSK	8	4	22.50	22.70	22.52	23	4	1	
3	QPSK	8	8	22.36	22.68	22.55				
3	QPSK	16	0	22.59	22.63	22.60				
3	QPSK	1	0	22.81	22.65	22.78				
3	QPSK	1	8	22.71	22.67	22.77	23	4	1	
3	QPSK	1	16	22.64	22.67	22.58				
3	QPSK	8	0	21.66	21.63	21.57				
3	QPSK	8	4	21.57	21.64	21.61	22	4	2	
3	QPSK	8	8	21.51	21.60	21.59				
3	QPSK	16	0	21.64	21.66	21.53				
3	QPSK	1	0	21.63	21.63	21.68				
3	QPSK	1	8	21.72	21.77	21.55	22	4	2	
3	QPSK	1	16	21.56	21.73	21.47				
3	QPSK	8	0	20.36	20.62	20.50				
3	QPSK	8	4	20.47	20.55	20.54	21	4	3	
3	QPSK	8	8	20.32	20.56	20.50				
3	QPSK	16	0	18.20	18.33	18.31				
3	QPSK	1	0	18.20	18.33	18.31				
3	QPSK	1	8	18.28	18.42	18.46	19	4	5	
3	QPSK	1	16	18.40	18.71	18.82				
3	QPSK	8	0	18.40	18.69	18.51				
3	QPSK	8	4	18.30	18.68	18.55	19	4	5	
3	QPSK	8	8	18.40	18.70	18.53				
3	QPSK	16	0	18.51	18.84	18.48				
3	QPSK	3	0	18.43	18.61	18.53				

Band 26(ISED)_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Made Ch / Freq.	Power High Ch / Freq.	Turn-on (int./sec)	MFR (dB)						
Channel														
Frequency (MHz)														
				26865	26915	26965								
15	QPSK	1	0	23.77	23.74	23.73	24.3	0						
15	QPSK	1	25	23.69	23.66	23.62								
15	QPSK	1	74	23.52	23.52	23.51	23.3	1						
15	QPSK	36	0	22.71	22.68	22.64								
15	QPSK	36	20	22.63	22.60	22.60	23.3	1						
15	QPSK	36	39	22.52	22.52	22.52								
15	QPSK	75	0	22.60	22.67	22.59	23.3	1						
15	HQAM	1	37	22.72	22.69	22.71								
15	HQAM	1	74	22.67	22.64	22.76	23.3	1						
15	HQAM	36	0	21.63	21.60	21.55								
15	HQAM	36	20	21.60	21.55	21.55	22.3	2						
15	HQAM	36	39	21.57	21.54	21.56								
15	HQAM	75	0	21.63	21.60	21.51	22.3	2						
15	HQAM	1	0	21.60	21.77	21.72								
15	HQAM	1	37	21.67	21.79	21.79	22.3	2						
15	HQAM	1	74	21.67	21.64	21.59								
15	HQAM	36	0	20.67	20.64	20.57	21.3	3						
15	HQAM	36	39	20.68	20.65	20.57								
15	HQAM	36	39	20.60	20.57	20.52	19.3	5						
15	HQAM	75	0	20.64	20.61	20.52								
15	SSBQAM	1	0	18.90	18.93	18.90	19.3	5						
15	SSBQAM	1	37	18.93	18.90	18.73								
15	SSBQAM	1	74	18.93	18.77	18.74	19.3	5						
15	SSBQAM	36	0	18.84	18.81	18.70								
15	SSBQAM	36	39	18.87	18.84	18.82	19.3	5						
15	SSBQAM	36	39	18.84	18.79	18.71								
Channel														
Frequency (MHz)														
				26865	26915	26965	Turn-on (int./sec)				MFR (dB)			
5	QPSK	1	0	23.67	23.70	23.71	24.3				0			
5	QPSK	1	25	23.49	23.60	23.48								
5	QPSK	1	74	23.42	23.43	23.45	23.3	1						
5	QPSK	12	0	22.57	22.60	22.50								
5	QPSK	12	7	22.57	22.64	22.52	23.3	1						
5	QPSK	12	13	22.42	22.53	22.46								
5	QPSK	25	0	22.40	22.44	22.51	23.3	1						
5	HQAM	1	0	22.60	22.62	22.63								
5	HQAM	1	12	22.49	22.72	22.63	23.3	1						
5	HQAM	1	24	22.59	22.58	22.49								
5	HQAM	12	0	21.54	21.53	21.50	23.3	2						
5	HQAM	12	7	21.58	21.54	21.48								
5	HQAM	12	13	21.34	21.50	21.47	23.3	2						
5	HQAM	25	0	21.47	21.50	21.40								
5	HQAM	1	0	21.47	21.79	21.67	23.3	2						
5	HQAM	1	12	21.54	21.79	21.72								
5	HQAM	1	24	21.56	21.59	21.48	21.3	3						
5	HQAM	12	0	20.59	20.51	20.53								
5	HQAM	12	7	20.59	20.64	20.44	19.3	5						
5	HQAM	12	13	20.46	20.42	20.47								
5	HQAM	1	0	20.36	20.49	20.38	19.3	5						
5	SSBQAM	1	0	18.62	18.62	18.75								
5	SSBQAM	1	12	18.65	18.76	18.60	19.3	5						
5	SSBQAM	1	24	18.55	18.62	18.67								
5	SSBQAM	12	0	18.64	18.69	18.59	19.3	5						
5	SSBQAM	12	7	18.54	18.64	18.55								
5	SSBQAM	12	13	18.75	18.73	18.75	19.3	5						
5	SSBQAM	25	0	18.69	18.72	18.76								
Channel														
Frequency (MHz)														
				26767	26915	27023	Turn-on (int./sec)				MFR (dB)			
14	QPSK	1	0	23.60	23.59	23.53	24.3	0						
14	QPSK	1	8	23.51	23.59	23.48								
14	QPSK	1	14	23.31	23.45	23.45	23.3	1						
14	QPSK	8	0	22.59	22.64	22.51								
14	QPSK	8	4	22.45	22.52	22.49	23.3	1						
14	QPSK	8	7	22.40	22.54	22.46								
14	QPSK	15	0	22.30	22.44	22.58	23.3	1						
14	HQAM	1	0	22.61	22.58	22.68								
14	HQAM	1	0	22.71	22.79	22.72	23.3	1						
14	HQAM	1	14	22.59	22.59	22.59								
14	HQAM	8	0	21.46	21.53	21.54	22.3	2						
14	HQAM	8	4	21.49	21.64	21.62								
14	HQAM	8	7	21.40	21.61	21.49	22.3	2						
14	HQAM	15	0	21.39	21.50	21.43								
14	HQAM	1	0	21.68	21.64	21.64	22.3	2						
14	HQAM	1	8	21.60	21.64	21.73								
14	HQAM	1	14	21.45	21.63	21.48	21.3	3						
14	HQAM	8	0	20.52	20.63	20.56								
14	HQAM	8	4	20.54	20.64	20.44	21.3	3						
14	HQAM	8	7	20.34	20.42	20.48								
14	HQAM	15	0	20.42	20.48	20.40	19.3	5						
14	SSBQAM	1	0	18.68	18.79	18.60								
14	SSBQAM	1	14	18.59	18.73	18.61	19.3	5						
14	SSBQAM	1	28	18.59	18.72	18.62								
14	SSBQAM	8	0	18.52	18.66	18.65	19.3	5						
14	SSBQAM	8	7	18.68	18.74	18.74								
14	SSBQAM	8	4	18.68	18.70	18.64	19.3	5						
14	SSBQAM	3	0	18.60	18.62	18.61								
14	SSBQAM	3	15	18.72	18.72	18.72	19.3	5						
14	SSBQAM	3	18	18.60	18.62	18.61								



Band 66_Ant 7																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F/Hz)	Power Med Ch (F/Hz)	Power High Ch (F/Hz)	Tau (sec)	MFR (dB)								
Channel 130972 132022 132022 132072																
Frequency (MHz)																
20	QPSK	1	0	23.68	23.69	23.68			24	0	24	0				
20	QPSK	1	48	23.68	23.64	23.63										
20	QPSK	1	96	23.68	23.64	23.63										
20	QPSK	50	0	22.96	22.96	22.96										
20	QPSK	50	24	22.96	22.99	22.94										
20	QPSK	50	48	22.96	22.99	22.94										
20	QPSK	100	0	22.96	22.96	22.94										
20	HQPSK	1	0	23.69	22.84	22.84										
20	HQPSK	1	48	23.69	22.84	22.87										
20	HQPSK	1	96	22.88	22.71	22.84										
20	HQPSK	50	0	21.47	21.53	21.41										
20	HQPSK	50	24	21.49	21.54	21.62										
20	HQPSK	50	48	21.49	21.51	21.49										
20	HQPSK	100	0	21.46	21.53	21.46										
20	HQPSK	1	0	21.72	21.75	21.65										
20	HQPSK	1	48	21.67	21.75	21.63										
20	HQPSK	1	96	21.67	21.69	21.66										
20	HQPSK	50	0	20.47	20.54	20.50										
20	HQPSK	50	24	20.42	20.53	20.44										
20	HQPSK	50	48	20.47	20.49	20.37										
20	SSB-AM	1	0	18.50	18.56	18.51			19	5	19	5				
20	SSB-AM	1	48	18.72	18.67	18.72										
20	SSB-AM	1	96	18.74	18.68	18.77										
20	SSB-AM	50	0	18.58	18.59	18.59										
20	SSB-AM	50	24	18.58	18.58	18.59										
20	SSB-AM	50	48	18.58	18.74	18.64										
20	SSB-AM	100	0	18.60	18.70	18.66										
Channel 130972 132022 132022 132072																
Frequency (MHz)																
15	QPSK	1	0	23.69	23.62	23.46			24	0	24	0				
15	QPSK	1	37	23.64	23.60	23.45										
15	QPSK	1	74	23.65	23.62	23.46										
15	QPSK	36	0	22.40	22.41	22.39										
15	QPSK	36	20	22.38	22.36	22.31										
15	QPSK	36	39	22.40	22.35	22.32										
15	QPSK	75	0	22.31	22.31	22.29										
15	HQPSK	1	0	22.66	22.77	22.59										
15	HQPSK	1	37	22.72	22.78	22.68										
15	HQPSK	1	74	22.59	22.58	22.60										
15	HQPSK	36	0	21.32	21.47	21.27										
15	HQPSK	36	20	21.36	21.42	21.40										
15	HQPSK	36	39	21.39	21.43	21.37										
15	HQPSK	75	0	21.44	21.40	21.37										
15	HQPSK	1	74	21.37	21.32	21.31										
15	HQPSK	1	37	21.60	21.56	21.49										
15	HQPSK	1	74	21.60	21.63	21.54										
15	HQPSK	36	0	20.42	20.43	20.42										
15	HQPSK	36	20	20.32	20.36	20.31										
15	HQPSK	36	39	20.35	20.40	20.36										
15	SSB-AM	1	0	18.40	18.51	18.36			19	5	19	5				
15	SSB-AM	1	37	18.46	18.75	18.71										
15	SSB-AM	1	74	18.68	18.61	18.74										
15	SSB-AM	36	0	18.50	18.58	18.47										
15	SSB-AM	36	20	18.48	18.49	18.54										
15	SSB-AM	36	39	18.57	18.53	18.63										
15	SSB-AM	75	0	18.45	18.57	18.46										
Channel 130972 132022 132022 132072																
Frequency (MHz)																
10	QPSK	1	0	23.59	23.61	23.44			24	0	24	0				
10	QPSK	1	25	23.49	23.50	23.40										
10	QPSK	1	50	23.65	23.62	23.45										
10	QPSK	25	0	22.47	22.48	22.36										
10	QPSK	25	12	22.21	22.41	22.40										
10	QPSK	25	25	22.42	22.42	22.36										
10	QPSK	50	0	22.22	22.44	22.49										
10	HQPSK	1	0	22.67	22.75	22.59										
10	HQPSK	15	0	22.71	22.80	22.76										
10	HQPSK	1	48	22.69	22.65	22.50										
10	HQPSK	25	0	21.44	21.46	21.30										
10	HQPSK	25	12	21.47	21.44	21.36										
10	HQPSK	25	25	21.33	21.45	21.29										
10	HQPSK	50	0	21.33	21.46	21.32										
10	HQPSK	1	48	21.37	21.67	21.64										
10	HQPSK	1	25	21.48	21.62	21.62										
10	HQPSK	1	48	21.66	21.67	21.61										
10	HQPSK	25	0	20.44	20.47	20.40										
10	HQPSK	25	12	20.31	20.40	20.30										
10	HQPSK	25	25	20.36	20.46	20.46										
10	SSB-AM	1	0	18.40	18.49	18.37			19	5	19	5				
10	SSB-AM	1	25	18.62	18.64	18.69										
10	SSB-AM	1	50	18.68	18.74	18.65										
10	SSB-AM	25	0	18.50	18.45	18.46										
10	SSB-AM	25	12	18.50	18.58	18.52										
10	SSB-AM	25	25	18.62	18.56	18.61										
10	SSB-AM	50	0	18.51	18.58	18.46										
Channel 130972 132022 132022 132072																
Frequency (MHz)																
5	QPSK	1	0	23.59	23.60	23.46			24	0	24	0				
5	QPSK	1	12	23.51	23.50	23.40										
5	QPSK	1	25	23.65	23.62	23.45										
5	QPSK	12	0	22.38	22.34	22.45										
5	QPSK	12	7	22.29	22.40	22.37										
5	QPSK	12	13	22.39	22.39	22.18										
5	QPSK	25	0	22.31	22.44	22.49										
5	HQPSK	1	0	22.67	22.75	22.52										
5	HQPSK	1	12	22.71	22.81	22.66										
5	HQPSK	1	24	22.69	22.69	22.56										
5	HQPSK	12	0	21.44	21.51	21.26										
5	HQPSK	12	7	21.47	21.44	21.36										
5	HQPSK	12	13	21.49	21.49	21.29										
5	HQPSK	25	0	21.38	21.40	21.36										
5	HQPSK	1	12	21.63	21.63	21.51										
5	HQPSK	1	12	21.59	21.60	21.53										
5	HQPSK	1	24	21.67	21.64	21.53										
5	HQPSK	12	0	20.36	20.46	20.39										
5	HQPSK	12	7	20.32	20.52	20.37										
5	HQPSK	12	13	20.45	20.43	20.29										
5	SSB-AM	1	0	18.47	18.47	18.36			19	5	19	5				
5	SSB-AM	1	12	18.67	18.68	18.64										
5	SSB-AM	1	24	18.63	18.74	18.73										
5	SSB-AM															
Channel 130972 132022 132022 132072																
Frequency (MHz)																
3	QPSK	1	0	23.54	23.54	23.51			24	0	24	0				
3	QPSK	1	14	23.30	23.35	23.34										
3	QPSK	8	0	22.98	22.47	22.46										
3	QPSK	8	7	22.93	22.48	22.47										
3	QPSK	8	7	22.95	22.39	22.28										
3	QPSK	15	0	22.23	22.42	22.19										
3	HQPSK	1	0	22.79	22.83	22.78										
3	HQPSK	1	8	22.79	22.83	22.73										
3	HQPSK	1	14	22.62	22.70	22.65										
3	HQPSK	8	7	21.30	21.48	21.34										
3	HQPSK	8	7	21.38	21.48	21.34										
3	HQPSK	1	0	21.64	21.64	21.51										
3	HQPSK	1	8	21.52	21.60	21.58										
3	HQPSK	1	14	21.60	21.62	21.57										
3	HQPSK	8	0	20.46	20.46	20.40										
3	HQPSK	8	4	20.31	20.42	20.38										
3	HQPSK	8	7	20.32	20.41	20.27										
3	HQPSK	15	0	18.48	18.48	18.37										
3	HQPSK	15	0	18.48	18.48	18.44										
3	HQPSK	1	14	18.67	18.72	18.63										
3	HQPSK	8	0	18.54	18.48	18.46										
3	HQPSK	8	7	18.54	18.48	18.46										
3	HQPSK	8	7	18.54	18.63	18.58										
3	HQPSK	15	0	18.51	18.58	18.46										
Channel 130972 132022 132022 132072																
Frequency (MHz)																
1.4	QPSK	1	0	23.64	23.69	23.64			24	0	24	0				
1.4	QPSK	1	48	23.64	23.63	23.63										
1.4	QPSK	1	96	23.64	23.63	23.63										
1.4	QPSK	50	0	22.96	22.96	22.96										
1.4	QPSK	50	24	22.96	22.99	22.94										
1.4	QPSK	50	48	22.96	22.99	22.94										
1.4	QPSK	100	0	22.96	22.96	22.94										
1.4	HQPSK	1	0	23.65	22.83	22.83										
1.4	HQPSK	1	48	23.65	22.83	22.86										
1.4	HQPSK	1	96	22.88	22.71	22.84										
1.4	HQPSK	50	0	21.47	21.53	21.41										
1.4	HQPSK	50	24	21.49	21.54	21.62										
1.4	HQPSK	50	48	21.49	21.51	21.49										
1.4	HQPSK	100	0	21.46	21.53	21.46										
1.4	HQPSK	1	0	21.72	21.75	21.65										
1.4	HQPSK	1	48	21.67	21.75	21.63										
1.4	HQPSK	1	96	21.67	21.69	21.66										
1.4	HQPSK	50	0	20.47	20.54	20.50										
1.4	HQPSK	50	24	20.42	20.53	20.44										
1.4	HQPSK	50	48	20.47	20.49	20.37										
1.4	SSB-AM	1	0	18.50	18.56	18.51			19	5	19	5				
1.4	SSB-AM	1	48	18.72	18.67	18.72										
1.4	SSB-AM	1	96	18.74	18.68	18.77										
1.4	SSB-AM	50	0	18.58	18.59	18.59										
1.4	SSB-AM	50	24	18.58	18.58	18.59										
1.4	SSB-AM	50	48	18.58	18.74	18.64										
1.4	SSB-AM	100	0	18.60	18.70	18.66										
Channel 130972 132022 132022 132072																
Frequency (MHz)																
0.7	QPSK	1	0	23.69	23.62	23.46			24	0	24	0				
0.7	QPSK	1	37	23.64	23.60	23.45										
0.7	QPSK	1	74	23.65	23.62	23.46										
0.7	QPSK	36	0	22.40	22.41	22.39										
0.7	QPSK	36	20	22.38	22.36	22.31										
0.7	QPSK	36	39	22.40	22.35	22.32										
0.7	QPSK															

Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Medio Ch / Freq	Power High Ch / Freq	Time-up Intd (sec)	MPE (dB)	
Channel				193225	193297	193372			
Frequency MHz				67.3	680.5	688			
20	QPSK	1	0	22.80	22.74	22.70			
20	QPSK	1	49	22.59	22.72	22.71	23.3	0	
20	QPSK	1	98	22.52	22.68	22.61			
20	QPSK	50	0	21.70	21.74	21.70			
20	QPSK	50	24	21.61	21.66	21.62	22.3	1	
20	QPSK	50	50	21.68	21.70	21.67			
20	QPSK	100	0	21.50	21.50	21.52			
20	16QAM	1	0	21.86	21.95	21.83			
20	16QAM	1	49	21.84	21.91	21.85	22.3	1	
20	16QAM	1	99	21.75	21.83	21.68			
20	16QAM	50	0	20.56	20.68	20.55			
20	16QAM	50	24	20.56	20.67	20.57	21.3	2	
20	16QAM	50	50	20.83	20.69	20.63			
20	16QAM	100	0	20.57	20.68	20.65			
20	64QAM	1	0	20.92	21.02	21.09			
20	64QAM	1	49	20.80	20.75	20.73	21.3	2	
20	64QAM	1	99	20.59	20.73	20.59			
20	64QAM	50	0	19.57	19.71	19.64			
20	64QAM	50	24	19.89	19.72	19.62	20.3	3	
20	64QAM	50	50	19.52	19.62	19.54			
20	64QAM	100	0	19.67	19.71	19.69			
20	256QAM	1	0	17.52	17.62	17.51			
20	256QAM	1	49	17.68	17.75	17.62	18.3	5	
20	256QAM	1	99	17.53	17.68	17.55			
20	256QAM	50	0	17.56	17.66	17.62			
20	256QAM	50	24	17.46	17.48	17.46	18.3	5	
20	256QAM	50	50	17.51	17.53	17.49			
20	256QAM	100	0	17.65	17.67	17.54			
Channel				193377	193397	193407	Time-up Intd (sec)	MPE (dB)	
Frequency MHz				670.5	680.5	689.5			
15	QPSK	1	0	22.55	22.64	22.57			
15	QPSK	1	37	22.52	22.60	22.55	23.3	0	
15	QPSK	1	74	22.48	22.51	22.35			
15	QPSK	36	0	21.69	21.60	21.68			
15	QPSK	36	20	21.57	21.63	21.59	22.3	1	
15	QPSK	36	39	21.60	21.64	21.64			
15	QPSK	75	0	21.40	21.52	21.48			
15	16QAM	1	0	21.82	21.86	21.69			
15	16QAM	1	37	21.73	21.85	21.72	22.3	1	
15	16QAM	1	74	21.73	21.82	21.54			
15	16QAM	36	0	20.49	20.56	20.45			
15	16QAM	36	20	20.58	20.60	20.42	21.3	2	
15	16QAM	36	39	20.54	20.68	20.59			
15	16QAM	75	0	20.43	20.60	20.63			
15	64QAM	1	0	20.87	20.88	20.95			
15	64QAM	1	37	20.50	20.73	20.72	21.3	2	
15	64QAM	1	74	20.48	20.59	20.45			
15	64QAM	36	0	19.43	19.67	19.55			
15	64QAM	36	20	19.55	19.59	19.57	20.3	3	
15	64QAM	36	39	19.44	19.58	19.48			
15	64QAM	75	0	19.57	19.64	19.55			
15	256QAM	1	0	17.41	17.59	17.47			
15	256QAM	1	37	17.52	17.71	17.58	18.3	5	
15	256QAM	1	74	17.50	17.56	17.48			
15	256QAM	36	0	17.44	17.51	17.58			
15	256QAM	36	20	17.39	17.43	17.44	18.3	5	
15	256QAM	36	39	17.37	17.50	17.37			
15	256QAM	75	0	17.56	17.52	17.49			
Channel				193372	193397	193402	Time-up Intd (sec)	MPE (dB)	
Frequency MHz				688	680.5	693			
10	QPSK	1	0	22.82	22.64	22.59			
10	QPSK	1	25	22.57	22.71	22.65	23.3	0	
10	QPSK	1	49	22.41	22.58	22.47			
10	QPSK	25	0	21.69	21.70	21.58			
10	QPSK	25	12	21.58	21.54	21.65	22.3	1	
10	QPSK	25	24	21.55	21.59	21.62			
10	QPSK	50	0	21.47	21.55	21.44			
10	16QAM	1	0	21.73	21.69	21.75			
10	16QAM	1	25	21.81	21.78	21.80	22.3	1	
10	16QAM	1	49	21.84	21.73	21.58			
10	16QAM	25	0	20.55	20.64	20.54			
10	16QAM	25	12	20.59	20.58	20.55	21.3	2	
10	16QAM	25	20	20.56	20.65	20.61			
10	16QAM	50	0	20.53	20.62	20.60			
10	64QAM	1	0	20.90	20.97	20.89			
10	64QAM	1	25	20.47	20.70	20.61	21.3	2	
10	64QAM	1	49	20.56	20.64	20.56			
10	64QAM	25	0	19.50	19.57	19.55			
10	64QAM	25	12	19.54	19.68	19.49	20.3	3	
10	64QAM	25	25	19.41	19.49	19.48			
10	64QAM	50	0	19.60	19.69	19.64			
10	256QAM	1	0	17.47	17.50	17.59			
10	256QAM	1	25	17.52	17.69	17.58	18.3	5	
10	256QAM	1	49	17.49	17.57	17.49			
10	256QAM	25	0	17.41	17.57	17.58			
10	256QAM	25	12	17.37	17.59	17.45	18.3	5	
10	256QAM	25	25	17.47	17.48	17.37			
10	256QAM	50	0	17.52	17.54	17.52			
Channel				193377	193397	193407	Time-up Intd (sec)	MPE (dB)	
Frequency MHz				695.5	690.5	695.5			
5	QPSK	1	0	22.85	22.85	22.81			
5	QPSK	1	12	22.55	22.58	22.69	23.3	0	
5	QPSK	1	24	22.50	22.58	22.45			
5	QPSK	12	0	21.68	21.68	21.78			
5	QPSK	12	7	21.57	21.56	21.57	22.3	1	
5	QPSK	12	14	21.57	21.60	21.52			
5	QPSK	25	0	21.38	21.58	21.44			
5	16QAM	1	0	21.78	21.94	21.82			
5	16QAM	1	12	21.83	21.78	21.75	22.3	1	
5	16QAM	1	24	21.74	21.70	21.58			
5	16QAM	12	0	20.41	20.60	20.52			
5	16QAM	12	7	20.59	20.64	20.48	21.3	2	
5	16QAM	12	14	20.85	20.65	20.53			
5	16QAM	25	0	20.47	20.66	20.55			
5	64QAM	1	0	20.80	20.99	20.96			
5	64QAM	1	12	20.47	20.67	20.65	21.3	2	
5	64QAM	1	24	20.32	20.64	20.50			
5	64QAM	12	0	19.43	19.60	19.58			
5	64QAM	12	7	19.56	19.69	19.60	20.3	3	
5	64QAM	12	14	19.42	19.61	19.55			
5	64QAM	25	0	19.56	19.69	19.67			
5	256QAM	1	0	17.39	17.50	17.42			
5	256QAM	1	12	17.63	17.68	17.58	18.3	5	
5	256QAM	1	24	17.47	17.59	17.41			
5	256QAM	12	0	17.49	17.61	17.52			
5	256QAM	12	7	17.53	17.58	17.45	18.3	5	
5	256QAM	12	14	17.46	17.45	17.32			
5	256QAM	25	0	17.51	17.57	17.47			

Band 38_Ant 6													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Mod Ch (dBm)	Power High Ch (dBm)	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37650	38000	38150							
				2560	2595	2610							
20	QPSK	1	0	24.63	24.68	24.61	24.8	0					
20	QPSK	1	49	24.60	24.65	24.59							
20	QPSK	1	99	24.60	24.66	24.56							
20	QPSK	50	0	23.70	23.75	23.71							
20	QPSK	50	24	23.73	23.79	23.67	23.8	1					
20	QPSK	50	50	23.65	23.67	23.67							
20	QPSK	100	0	23.68	23.71	23.63							
20	16QAM	1	0	23.65	23.72	23.59							
20	16QAM	1	49	23.70	23.79	23.69	23.8	1					
20	16QAM	1	99	23.77	23.78	23.68							
20	16QAM	50	0	22.80	22.75	22.65							
20	16QAM	50	24	22.76	22.80	22.67							
20	16QAM	50	50	22.75	22.77	22.66	22.8	2					
20	16QAM	100	0	22.74	22.76	22.71							
20	64QAM	1	0	22.66	22.67	22.63							
20	64QAM	1	49	22.70	22.78	22.72							
20	64QAM	1	99	22.56	22.63	22.60	21.8	3					
20	64QAM	50	0	21.70	21.77	21.64							
20	64QAM	50	24	21.66	21.78	21.70							
20	64QAM	50	50	21.80	21.79	21.78							
20	64QAM	100	0	21.71	21.80	21.73	19.8	5					
20	256QAM	1	0	19.34	19.44	19.32							
20	256QAM	1	49	19.40	19.48	19.38							
20	256QAM	1	99	19.33	19.38	19.27							
20	256QAM	50	0	19.35	19.46	19.40	19.8	5					
20	256QAM	50	24	19.43	19.52	19.48							
20	256QAM	50	50	19.35	19.46	19.42							
20	256QAM	100	0	19.40	19.45	19.35							
Channel													
Frequency (MHz)				37625	38000	38175							
				2277.5	2295	2312.5							
15	QPSK	1	0	24.59	24.55	24.51	24.8	0					
15	QPSK	1	37	24.45	24.60	24.57							
15	QPSK	1	74	24.52	24.51	24.51							
15	QPSK	36	0	23.67	23.73	23.63							
15	QPSK	36	20	23.61	23.65	23.65	23.8	1					
15	QPSK	36	39	23.62	23.54	23.55							
15	QPSK	75	0	23.67	23.66	23.49							
15	16QAM	1	0	23.62	23.66	23.46							
15	16QAM	1	37	23.55	23.74	23.64	23.8	1					
15	16QAM	1	74	23.67	23.66	23.60							
15	16QAM	36	0	22.45	22.71	22.63							
15	16QAM	36	20	22.73	22.72	22.67							
15	16QAM	36	39	22.74	22.63	22.65	22.8	2					
15	16QAM	75	0	22.61	22.68	22.65							
15	64QAM	1	0	22.40	22.56	22.57							
15	64QAM	1	37	22.72	22.66	22.71							
15	64QAM	1	74	22.50	22.53	22.58	21.8	3					
15	64QAM	36	0	21.69	21.73	21.60							
15	64QAM	36	20	21.54	21.60	21.71							
15	64QAM	36	39	21.66	21.66	21.73							
15	64QAM	75	0	21.58	21.66	21.63	19.8	5					
15	256QAM	1	0	19.22	19.43	19.39							
15	256QAM	1	37	19.34	19.38	19.30							
15	256QAM	1	74	19.31	19.30	19.12							
15	256QAM	36	0	19.27	19.43	19.31	19.8	5					
15	256QAM	36	20	19.29	19.51	19.39							
15	256QAM	36	39	19.26	19.39	19.38							
15	256QAM	75	0	19.38	19.37	19.33							
Channel													
Frequency (MHz)				37600	38000	38200							
				2277.5	2295	2312.5							
10	QPSK	1	0	24.56	24.56	24.47	24.8	0					
10	QPSK	1	25	24.48	24.52	24.58							
10	QPSK	1	49	24.55	24.58	24.51							
10	QPSK	24	0	23.64	23.65	23.64							
10	QPSK	25	12	23.52	23.64	23.57	23.8	1					
10	QPSK	25	25	23.53	23.67	23.53							
10	QPSK	50	0	23.67	23.64	23.50							
10	16QAM	1	0	23.62	23.67	23.58							
10	16QAM	1	25	23.66	23.65	23.64	23.8	1					
10	16QAM	1	49	23.73	23.63	23.64							
10	16QAM	25	0	22.67	22.73	22.65							
10	16QAM	25	12	22.67	22.73	22.65							
10	16QAM	25	25	22.71	22.73	22.61	22.8	2					
10	16QAM	50	0	22.64	22.66	22.64							
10	64QAM	1	0	22.40	22.65	22.48							
10	64QAM	1	25	22.70	22.73	22.63							
10	64QAM	1	49	22.55	22.54	22.54	21.8	3					
10	64QAM	25	0	21.60	21.65	21.60							
10	64QAM	25	12	21.62	21.72	21.64							
10	64QAM	25	25	21.66	21.71	21.67							
10	64QAM	50	0	21.60	21.73	21.68	19.8	5					
10	256QAM	1	0	19.22	19.33	19.28							
10	256QAM	1	25	19.39	19.42	19.32							
10	256QAM	1	49	19.23	19.32	19.14							
10	256QAM	25	0	19.31	19.31	19.31	19.8	5					
10	256QAM	25	12	19.35	19.51	19.34							
10	256QAM	25	25	19.24	19.32	19.30							
10	256QAM	50	0	19.32	19.33	19.31							
Channel													
Frequency (MHz)				3777.5	38000	38225							
				2572.5	2595	2617.5							
5	QPSK	1	0	24.53	24.66	24.45	24.8	0					
5	QPSK	1	12	24.53	24.61	24.45							
5	QPSK	1	24	24.55	24.59	24.52							
5	QPSK	12	0	23.62	23.71	23.68							
5	QPSK	12	7	23.66	23.68	23.64	23.8	1					
5	QPSK	12	13	23.67	23.60	23.55							
5	QPSK	25	0	23.58	23.69	23.62							
5	16QAM	1	0	23.53	23.65	23.50							
5	16QAM	1	12	23.61	23.72	23.54	23.8	1					
5	16QAM	1	24	23.74	23.76	23.67							
5	16QAM	12	0	22.57	22.66	22.52							
5	16QAM	12	7	22.73	22.78	22.54							
5	16QAM	12	13	22.68	22.65	22.64	22.8	2					
5	16QAM	25	0	22.59	22.70	22.59							
5	64QAM	1	0	22.52	22.59	22.58							
5	64QAM	1	12	22.73	22.77	22.69	22.8	2					
5	64QAM	1	24	22.90	22.91	22.98							
5	64QAM	12	0	21.57	21.76	21.48							
5	64QAM	12	7	21.56	21.70	21.62							
5	64QAM	12	13	21.62	21.65	21.62	21.8	3					
5	64QAM	25	0	21.65	21.79	21.58							
5	256QAM	1	0	19.33	19.37	19.21							
5	256QAM	1	12	19.31	19.39	19.22	19.8	5					
5	256QAM	1	24	19.21	19.29	19.27							
5	256QAM	12	0	19.23	19.32	19.33							
5	256QAM	12	7	19.31	19.47	19.35							
5	256QAM	12	13	19.27	19.35	19.30	19.8	5					
5	256QAM	25	0	19.36	19.40	19.33							

Band 38_Ant 0										
RF [MHz]	Modulation	RF Size	RF Offset	Power Low [dBm]	Power Med [dBm]	Power High [dBm]	Turn-up time (dBm)	Uplink (dBm)		
Channel										
Frequency (MHz)				39160	39000	39150				
				2550	2550	2550				
20	QPSK	1	0	24.02	24.00	23.98				
20	QPSK	1	49	23.87	23.88	23.83		24.4	0	
20	QPSK	50	24	24.00	24.00	23.98				
20	QPSK	50	0	23.94	23.94	23.94				
20	QPSK	50	24	22.84	22.88	22.91		23.4	1	
20	QPSK	50	50	22.81	22.94	22.87				
20	QPSK	50	0	22.81	22.81	22.81				
20	HQAM	1	0	22.98	22.95	22.92				
20	HQAM	1	49	23.09	23.08	23.08		23.4	1	
20	HQAM	50	24	22.94	22.97	22.98				
20	HQAM	50	50	22.94	22.94	22.94				
20	HQAM	50	24	21.96	22.00	22.07		22.4	2	
20	HQAM	50	50	21.98	22.05	21.97				
20	HQAM	50	0	21.96	22.01	22.04				
20	HQAM	1	49	21.98	22.11	22.08		22.4	2	
20	HQAM	1	99	21.99	22.02	22.01				
20	HQAM	50	24	21.96	21.99	21.99				
20	HQAM	50	24	21.07	21.12	21.05		21.4	3	
20	HQAM	50	50	20.95	21.08	21.02				
20	HQAM	50	0	20.94	21.04	21.03				
20	256QAM	1	0	18.76	18.88	18.81				
20	256QAM	1	49	18.82	18.87	18.85		19.4	5	
20	256QAM	1	99	18.87	18.92	18.92				
20	256QAM	50	24	18.82	18.87	18.87				
20	256QAM	50	24	18.97	19.05	18.94		19.4	5	
20	256QAM	50	50	18.88	18.97	18.91				
20	256QAM	50	0	18.84	19.01	18.92				
Channel										
Frequency (MHz)				39175	39015	39125	Turn-up time (dBm)	Uplink (dBm)		
15	QPSK	1	0	23.88	23.97	23.85				
15	QPSK	1	37	23.78	23.93	23.88		24.4	0	
15	QPSK	1	14	23.82	23.82	23.82				
15	QPSK	36	0	22.77	23.02	22.99				
15	QPSK	36	20	22.69	22.95	22.89		23.4	1	
15	QPSK	36	39	22.78	22.93	22.78				
15	QPSK	36	20	22.69	22.90	22.88				
15	HQAM	1	0	22.85	22.85	22.85				
15	HQAM	1	37	23.01	23.06	23.05		23.4	1	
15	HQAM	1	14	22.85	22.85	22.85				
15	HQAM	36	0	21.96	22.06	21.91				
15	HQAM	36	20	21.93	21.94	21.99		22.4	2	
15	HQAM	36	39	21.94	21.98	21.79				
15	HQAM	36	20	21.93	21.94	21.97				
15	HQAM	1	0	21.95	22.01	21.92				
15	HQAM	1	37	21.92	21.97	21.95		22.4	2	
15	HQAM	1	14	21.95	21.98	21.94				
15	HQAM	36	0	20.95	20.95	20.95				
15	HQAM	36	20	20.95	21.07	20.99		21.4	3	
15	HQAM	36	39	20.92	20.94	20.88				

Band 41_Ant 6													
BW (MHz)	Modulation	RIS Size	RF Offset	For IC Power Low Ch Freqs	Power Low Ch Freqs	Power Made Ch Freqs	Power Made Ch Freqs	Power Made Ch Freqs	Power Made Ch Freqs	Power High Ch Freqs	Power High Ch Freqs	Turn-up time (mins)	MPH (dft)
Channel													
	Frequency (MHz)			2510	2500	2549.5	2593	2634.5	4100	4150			
20	QPSK	1	0	24.73	24.71	24.78	24.78	24.78	24.78	24.80			
20	QPSK	1	43	24.67	24.69	24.67	24.77	24.68	24.68	24.62	24.8	0	
20	QPSK	50	0	24.72	24.74	24.78	24.78	24.78	24.78	24.80			
20	QPSK	50	0	25.01	25.01	25.71	25.78	25.74	25.74	25.64			
20	QPSK	50	24	23.60	23.68	23.70	23.78	23.73	23.61	23.67	23.8	1	
20	QPSK	50	50	23.68	23.61	23.67	23.75	23.71	23.71	23.59			
20	QPSK	100	0	23.68	23.66	23.70	23.78	23.74	23.74	23.64			
20	16QAM	0	0	23.59	23.65	23.63	23.71	23.68	23.65				
20	16QAM	1	43	23.61	23.63	23.61	23.72	23.70	23.67	23.67	23.8	1	
20	16QAM	50	0	23.64	23.60	23.65	23.75	23.69	23.69				
20	16QAM	50	24	22.97	22.99	22.97	22.78	22.78	22.78	22.69			
20	16QAM	50	24	22.98	22.71	22.68	22.78	22.75	22.74				
20	16QAM	50	50	22.61	22.64	22.69	22.73	22.72	22.71		22.8	2	
20	16QAM	100	0	22.63	22.63	22.63	22.73	22.73	22.73				
20	64QAM	1	0	22.82	22.80	22.87	22.71	22.63	22.67				
20	64QAM	1	49	22.87	22.72	22.65	22.78	22.69	22.70		22.8	2	
20	64QAM	1	99	22.82	22.71	22.69	22.77	22.76	22.76				
20	64QAM	50	0	21.72	21.72	21.76	21.78	21.74	21.74				
20	64QAM	50	24	21.72	21.72	21.87	21.76	21.87	21.70		21.8	1	
20	64QAM	50	50	21.39	21.69	21.65	21.72	21.64	21.66				
20	64QAM	100	0	21.60	21.60	21.60	21.60	21.60	21.60				
20	256QAM	0	0	19.50	19.50	19.47	19.58	19.50	19.45				
20	256QAM	0	49	19.61	19.60	19.67	19.71	19.59	19.60		19.8	5	
20	256QAM	0	99	19.53	19.43	19.43	19.55	19.52	19.46				
20	256QAM	50	0	19.61	19.61	19.61	19.61	19.61	19.61				
20	256QAM	50	24	19.67	19.62	19.65	19.73	19.68	19.72		19.8	5	
20	256QAM	50	50	19.67	19.56	19.55	19.73	19.58	19.64				
20	256QAM	100	0	19.59	19.59	19.59	19.63	19.63	19.63				
Channel													
	Frequency (MHz)			2507.5	2507.5	2541.3	2593	2637.8	4100.5	4150.5	Turn-up time (mins)	MPH (dft)	
15	QPSK	0	0	24.72	24.57	24.70	24.74	24.75	24.67				
15	QPSK	1	37	24.58	24.61	24.52	24.66	24.65	24.52	24.8	0		
15	QPSK	74	0	24.53	24.53	24.67	24.67	24.67	24.67				
15	QPSK	36	0	23.58	23.61	23.67	23.75	23.67	23.59				
15	QPSK	36	20	23.57	23.66	23.61	23.70	23.70	23.60		23.8	1	
15	QPSK	36	39	23.54	23.59	23.63	23.68	23.56	23.56				
15	QPSK	36	59	23.62	23.63	23.62	23.67	23.74	23.74				
15	16QAM	1	0	23.46	23.54	23.55	23.70	23.61	23.64				
15	16QAM	1	37	23.48	23.54	23.57	23.63	23.66	23.61	23.8	1		
15	16QAM	1	74	23.46	23.46	23.60	23.60	23.60	23.60				
15	16QAM	36	0	22.96	22.97	22.90	22.70	22.74	22.61				
15	16QAM	36	20	22.87	22.88	22.88	22.77	22.66	22.70		22.8	2	
15	16QAM	36	39	22.58	22.61	22.61	22.58	22.67	22.63				
15	16QAM	36	59	22.62	22.62	22.62	22.64	22.64	22.64				
15	64QAM	1	0	22.50	22.57	22.55	22.65	22.51	22.54				
15	64QAM	1	37	22.53	22.63	22.56	22.78	22.55	22.68		22.8	2	
15	64QAM	1	74	22.50	22.50	22.64	22.64	22.64	22.64				
15	64QAM	36	0	21.55	21.62	21.66	21.64	21.64	21.65				
15	64QAM	36	20	21.83	21.61	21.57	21.63	21.56	21.67		21.8	3	
15	64QAM	36	39	21.57	21.57	21.62	21.61	21.53	21.57				
15	64QAM	36	59	21.54	21.54	21.61	21.61	21.61	21.61				
15	256QAM	1	0	19.40	19.46	19.41	19.54	19.48	19.41				
15	256QAM	1	37	19.50	19.48	19.57	19.64	19.49	19.59		19.8	5	
15	256QAM	1	74	19.41	19.32	19.30	19.51	19.41	19.44				
15	256QAM	36	0	19.34	19.44	19.38	19.58	19.38	19.58				
15	256QAM	36	20	19.58	19.58	19.63	19.67	19.61	19.68		19.8	5	
15	256QAM	36	39	19.57	19.46	19.40	19.68	19.43	19.51				
15	256QAM	36	59	19.52	19.49	19.49	19.58	19.58	19.58				
Channel													
	Frequency (MHz)			2505	2501	2547	2593	2639	4085	4141	Turn-up time (mins)	MPH (dft)	
10	QPSK	1	0	24.59	24.59	24.64	24.64	24.74	24.62				
10	QPSK	1	25	24.60	24.59	24.63	24.67	24.59	24.58	24.8	0		
10	QPSK	25	0	24.59	24.59	24.64	24.64	24.74	24.62				
10	QPSK	25	0	23.62	23.57	23.60	23.63	23.70	23.57				
10	QPSK	25	12	23.48	23.65	23.66	23.72	23.64	23.49		23.8	1	
10	QPSK	25	24	23.57	23.61	23.61	23.67	23.67	23.57				
10	QPSK	25	0	23.46	23.44	23.42	23.44	23.49	23.53				
10	16QAM	0	0	23.56	23.55	23.60	23.61	23.63	23.65				
10	16QAM	1	25	23.59	23.57	23.48	23.70	23.59	23.56	23.8	1		
10	16QAM	25	0	23.56	23.56	23.61	23.61	23.61	23.61				
10	16QAM	25	0	22.81	22.83	22.86	22.65	22.73	22.60				
10	16QAM	25	12	22.85	22.65	22.57	22.68	22.60	22.72		22.8	2	
10	16QAM	25	25	22.47	22.54	22.69	22.67	22.57	22.50				
10	16QAM	50	0	22.81	22.81	22.82	22.86	22.86	22.86				
10	64QAM	0	0	22.36	22.46	22.80	22.66	22.33	22.52				
10	64QAM	1	25	22.62	22.66	22.64	22.78	22.65	22.61	22.8	2		
10	64QAM	1	25	22.57	22.62	22.62	22.68	22.68	22.68				
10	64QAM	25	0	21.57	21.64	21.73	21.65	21.67	21.54				
10	64QAM	25	12	21.70	21.68	21.66	21.66	21.62	21.68		21.8	3	
10	64QAM	25	25	21.53	21.67	21.60	21.71	21.55	21.58				
10	64QAM	50	0	21.56	21.56	21.61	21.63	21.63	21.63				
10	256QAM	0	0	19.41	19.36	19.43	19.43	19.40	19.39				
10	256QAM	1	25	19.47	19.50	19.58	19.56	19.47	19.51		19.8	5	
10	256QAM	1	50	19.37	19.49	19.53	19.53	19.49	19.49				
10	256QAM	25	0	19.34	19.44	19.54	19.52	19.44	19.53				
10	256QAM	25	12	19.60	19.55	19.61	19.66	19.61	19.68		19.8	5	
10	256QAM	25	25	19.60	19.53	19.47	19.64	19.50	19.50				
10	256QAM	50	0	19.54	19.54	19.59	19.59	19.59	19.59				
Channel													
	Frequency (MHz)			2507.5	2498.5	2545.8	2593	2640.30	4100.5	4155.5	Turn-up time (mins)	MPH (dft)	
8	QPSK	1	0	24.61	24.56	24.71	24.64	24.74	24.60				
8	QPSK	1	12	24.56	24.58	24.52	24.75	24.67	24.55	24.8	0		
8	QPSK	12	0	24.56	24.56	24.61	24.61	24.71	24.61				
8	QPSK	12	0	23.57	23.56	23.65	23.62	23.64	23.62				
8	QPSK	12	7	23.54	23.67	23.67	23.62	23.67	23.56	23.8	1		
8	QPSK	12	13	23.57	23.61	23.61	23.61	23.61	23.57				
8	QPSK	25	0	23.45	23.61	23.52	23.55	23.62	23.48				
8	QPSK	25	0	23.50	23.63	23.53	23.64	23.54	23.63				
8	16QAM	1	12	23.51	23.62	23.47	23.63	23.59	23.52	23.8	1		
8	16QAM	12	0	23.46	23.46	23.51	23.51	23.51	23.51				
8	16QAM	12	0	22.84	22.65	22.58	22.66	22.64	22.63				
8	16QAM	12	7	22.57	22.69	22.67	22.71	22.65	22.66		22.8	2	
8	16QAM	12	13	22.51	22.51	22.51	22.51	22.51	22.51				
8	64QAM	1	0	22.56	22.66	22.50	22.61	22.52	22.58				
8	64QAM	1	0	22.80	22.51	22.54	22.66	22.62	22.62				
8	64QAM	1	12	22.59	22.59	22.60	22.66	22.63	22.59	22.8	2		
8	64QAM	12	0	21.64	21.64	21.67	21.78	21.72	21.72				
8	64QAM	12	0	21.05	21.68	21.67	21.71	21.60	21.68				
8	64QAM	12	7	21.70	21.63	21.64	21.69	21.52	21.59		21.8	3	
8	256QAM	12	13	21.51	21.68	21.56	21.62	21.50	21.56				
8	256QAM	12	21	21.67	21.47	21.50	21.67	21.50	21.50				
8													

Band 41 (HPUE)_Ant 6													
RF (MHz)	Modulation	Alt Size	RB Offset	For IC	Power Low Ch (dBm)	Power Low Ch (dBm)	Power Low Ch (dBm)	Power Low Ch (dBm)	Power High Ch (dBm)	Power High Ch (dBm)	Turn-on (ms)	MPR (dB)	
Channel					30750	30750	40150	40150	40600	41000			
Frequency (MHz)					2510	2000	2548.5	2533	2635	2630.5	2680		
20	QPSK	1	0	26.72	26.65	26.62	26.74	26.61	26.55				
20	QPSK	1	49	26.68	26.55	26.58	26.68	26.55	26.53		26.8	0	
20	QPSK	50	0	26.68	26.55	26.58	26.68	26.55	26.54			26.8	
20	QPSK	50	0	26.50	26.53	26.58	26.70	26.58	26.57				
20	QPSK	50	24	25.54	25.43	25.56	25.68	25.54	25.56		25.8	1	
20	QPSK	50	50	25.48	25.47	25.43	25.58	25.45	25.47				
20	QPSK	50	0	26.49	26.49	26.49	26.49	26.49	26.49				
20	QPSK	1	0	25.80	25.70	25.64	25.65	25.57	25.57				
20	QPSK	1	49	25.78	25.75	25.60	25.69	25.72	25.62		25.8	1	
20	QPSK	50	99	25.62	25.69	25.63	25.61	25.73	25.62				
20	QPSK	50	99	24.44	24.44	24.44	24.44	24.43	24.43				
20	QPSK	50	24	24.80	24.50	24.66	24.64	24.68	24.64		24.8	2	
20	QPSK	50	50	24.53	24.51	24.62	24.52	24.63	24.52				
20	QPSK	50	0	24.48	24.48	24.48	24.48	24.48	24.48				
20	QPSK	1	0	24.71	24.73	24.64	24.74	24.79	24.71				
20	QPSK	1	49	24.77	24.79	24.66	24.58	24.72	24.57				
20	QPSK	1	99	24.77	24.72	24.73	24.69	24.77	24.66				
20	QPSK	50	0	23.44	23.44	23.44	23.44	23.42	23.42				
20	QPSK	50	24	23.57	23.56	23.57	23.66	23.71	23.65		23.8	3	
20	QPSK	50	50	23.51	23.52	23.29	23.52	23.61	23.54				
20	QPSK	100	0	23.48	23.48	23.48	23.48	23.48	23.48				
20	25GSSK	1	0	21.58	21.40	21.37	21.42	21.51	21.42				
20	25GSSK	1	49	21.69	21.56	21.63	21.63	21.71	21.68		21.8	5	
20	25GSSK	1	99	21.62	21.62	21.62	21.65	21.68	21.54				
20	25GSSK	50	0	21.41	21.42	21.43	21.43	21.43	21.43				
20	25GSSK	50	24	21.54	21.54	21.50	21.57	21.66	21.53		21.8	5	
20	25GSSK	50	50	21.56	21.51	21.50	21.50	21.59	21.48				
20	25GSSK	100	0	21.48	21.48	21.48	21.48	21.48	21.48				
Channel					30750	30750	40150	40150	40600	41000	Turn-on (ms)	MPR (dB)	
Frequency (MHz)					2507.5	2503.5	2548.3	2593.3	2637.8	2682.5			
15	QPSK	1	0	26.68	26.64	26.48	26.54	26.67	26.40				
15	QPSK	1	37	26.58	26.47	26.46	26.41	26.57	26.40		26.8	0	
15	QPSK	1	74	26.42	26.42	26.42	26.42	26.35	26.40				
15	QPSK	36	0	25.54	25.47	25.52	25.52	25.57	25.49				
15	QPSK	36	20	25.50	25.39	25.52	25.39	25.60	25.48		25.8	1	
15	QPSK	36	39	25.43	25.40	25.38	25.41	25.45	25.33				
15	QPSK	36	58	25.44	25.42	25.38	25.43	25.39	25.44				
15	IQPSK	1	0	25.89	25.57	25.81	25.52	25.62	25.62		25.8	1	
15	IQPSK	1	37	25.72	25.68	25.56	25.54	25.60	25.60				
15	IQPSK	1	74	25.68	25.57	25.53	25.53	25.53	25.53				
15	IQPSK	36	0	24.46	24.26	24.31	24.43	24.51	24.29				
15	IQPSK	36	20	24.52	24.45	24.63	24.61	24.59	24.55		24.8	2	
15	IQPSK	36	39	24.49	24.43	24.53	24.37	24.59	24.50				
15	IQPSK	36	58	24.48	24.42	24.60	24.58	24.49	24.44				
15	IQPSK	1	0	24.63	24.63	24.60	24.64	24.74	24.63				
15	IQPSK	1	37	24.64	24.66	24.54	24.55	24.66	24.56		24.8	2	
15	IQPSK	1	74	24.54	24.56	24.44	24.45	24.55	24.44				
15	IQPSK	36	0	23.47	23.40	23.51	23.47	23.58	23.43				
15	IQPSK	36	20	23.46	23.44	23.56	23.61	23.62	23.53		23.8	3	
15	IQPSK	36	39	23.37	23.41	23.45	23.48	23.55	23.47				
15	IQPSK	36	58	23.38	23.39	23.32	23.53	23.53	23.38				
15	25GSSK	1	0	21.97	21.29	21.36	21.32	21.38	21.33				
15	25GSSK	1	37	21.65	21.51	21.62	21.56	21.60	21.66				
15	25GSSK	1	74	21.56	21.51	21.48	21.61	21.67	21.49				
15	25GSSK	36	0	21.40	21.41	21.41	21.37	21.52	21.32		21.8	5	
15	25GSSK	36	20	21.40	21.40	21.51	21.48	21.55	21.50				
15	25GSSK	36	39	21.41	21.43	21.47	21.44	21.46	21.34				
15	25GSSK	36	58	21.42	21.45	21.43	21.46	21.36	21.37				
Channel					30740	30750	40160	40600	41000	41560	Turn-on (ms)	MPR (dB)	
Channel					2505	2001	2595.5	2593.5	2639	2685			
10	QPSK	1	0	26.63	26.53	26.53	26.58	26.69	26.40				
10	QPSK	1	25	26.66	26.44	26.49	26.45	26.57	26.51		26.8	0	
10	QPSK	1	49	26.44	26.48	26.48	26.43	26.49	26.43				
10	QPSK	25	0	25.47	25.51	25.57	25.50	25.55	25.53				
10	QPSK	25	12	25.40	25.38	25.54	25.44	25.56	25.47		25.8	1	
10	QPSK	25	25	25.35	25.40	25.49	25.45	25.38	25.57				
10	QPSK	50	0	25.30	25.36	25.47	25.39	25.58	25.50				
10	IQPSK	1	0	25.70	25.68	25.50	25.62	25.59	25.62		25.8	1	
10	IQPSK	1	25	25.73	25.65	25.69	25.68	25.71	25.61				
10	IQPSK	1	49	25.61	25.62	25.57	25.57	25.67	25.55				
10	IQPSK	25	0	24.40	24.42	24.39	24.40	24.53	24.39				
10	IQPSK	25	12	24.54	24.34	24.51	24.52	24.55	24.53		24.8	2	
10	IQPSK	25	25	24.40	24.37	24.61	24.62	24.62	24.49				
10	IQPSK	50	0	24.47	24.47	24.44	24.55	24.55	24.46				
10	IQPSK	1	0	24.57	24.61	24.54	24.69	24.76	24.60		24.8	2	
10	IQPSK	1	25	24.64	24.64	24.57	24.49	24.69	24.55				
10	IQPSK	1	49	24.76	24.69	24.63	24.67	24.67	24.66				
10	IQPSK	25	0	23.34	23.34	23.47	23.42	23.45	23.44				
10	IQPSK	25	12	23.48	23.52	23.53	23.61	23.62	23.55		23.8	3	
10	IQPSK	25	25	23.40	23.49	23.38	23.38	23.54	23.52				
10	IQPSK	50	0	23.38	23.40	23.34	23.46	23.46	23.34				
10	25GSSK	1	0	21.55	21.29	21.32	21.32	21.37	21.38				
10	25GSSK	1	25	21.65	21.45	21.60	21.48	21.59	21.63		21.8	5	
10	25GSSK	1	49	21.56	21.50	21.53	21.53	21.57	21.52				
10	25GSSK	25	0	21.30	21.31	21.49	21.35	21.49	21.41				
10	25GSSK	25	12	21.45	21.51	21.54	21.53	21.64	21.50		21.8	5	
10	25GSSK	25	25	21.54	21.43	21.42	21.42	21.50	21.43				
10	25GSSK	50	0	21.37	21.41	21.41	21.35	21.35	21.35				
Channel					30715	30675	40146	40600	41000	41565	Turn-on (ms)	MPR (dB)	
Channel					2502.5	2488.5	2545.8	2593.5	2640.30	2687.5			
5	QPSK	1	0	26.61	26.56	26.57	26.56	26.71	26.49				
5	QPSK	1	12	26.67	26.50	26.53	26.47	26.56	26.46		26.8	0	
5	QPSK	1	25	26.46	26.41	26.41	26.31	26.43	26.38				
5	QPSK	12	0	25.52	25.40	25.43	25.45	25.67	25.42				
5	QPSK	12	7	25.46	25.40	25.51	25.42	25.59	25.41		25.8	1	
5	IQPSK	1	0	25.32	25.32	25.25	25.37	25.37	25.37				
5	IQPSK	1	12	25.48	25.44	25.49	25.45	25.51	25.53				
5	IQPSK	1	25	25.76	25.57	25.57	25.61	25.56	25.63				
5	IQPSK	12	0	25.72	25.60	25.59	25.60	25.66	25.55		25.8	1	
5	IQPSK	12	7	25.56	25.47	25.50	25.54	25.57	25.54				
5	IQPSK	12	0	24.33	24.34	24.32	24.39	24.57	24.38				
5	IQPSK	12	7	24.49	24.48	24.59	24.58	24.61	24.53		24.8	2	
5	IQPSK	12	13	24.46	24.46	24.59	24.58	24.59	24.50				
5	IQPSK	25	0	24.39	24.47	24.44	24.51	24.63	24.50		24.8	2	
5	IQPSK	1	0	24.66	24.69	24.49	24.67	24.69	24.70				
5	IQPSK	1	12	24.73	24.69	24.60	24.56	24.69	24.56				
5	IQPSK	1	25	24.72	24.68	24.62	24.53	24.67	24.55				
5	IQPSK	12	0	23.35	23.40	23.47	23.43	23.50	23.32				
5	IQPSK	12	7	23.53	23.44	23.46	23.57	23.66	23.32		23.8	3	
5	IQPSK	12	13	23.45	23.42	23.38	23.37	23.51	23.41				
5	25GSSK	1	0	21.45	21.44	21.39	21.35	21.45	21.45				
5	25GSSK	1	0	21.43	21.29	21.27	21.30	21.40	21.35				
5	25GSSK	1	12	21.55	21.43	21.57	21.41	21.56	21.48		21.8	5	
5	25GSSK	1	25	21.47	21.41	21.							

Band A1_Ant 7													
RF [MHz]	Modulation	RF Offset	RF Offset	For IC	Power Low Ch / Freqs	Power Low Ch / Freqs	Power Low Ch / Freqs	Power Middle Ch / Freqs	Power High Ch / Freqs	Power High Ch / Freqs	Power High Ch / Freqs	Turn-on delay [ms]	MPN (dB)
Channel													
Frequency [MHz]													
20	QPSK	1	0	23.00	22.88	23.58	23.67	23.45	23.34				
20	QPSK	1	49	23.01	22.90	23.61	23.55	23.39	23.26	24	0		
20	QPSK	1	98	22.86	22.94	23.42	23.50	23.37	23.28				
20	QPSK	1	147	22.71	22.80	23.28	23.36	23.24	23.17				
20	QPSK	50	24	22.19	21.97	22.51	22.67	22.45	22.31	23	1		
20	QPSK	50	50	22.14	22.04	22.58	22.68	22.45	22.44				
20	QPSK	100	0	22.09	22.03	22.56	22.62	22.43	22.40				
20	16QAM	1	0	22.09	22.03	22.52	22.72	22.41	22.42				
20	16QAM	1	49	22.19	22.12	22.61	22.79	22.49	22.45	23	1		
20	16QAM	1	99	22.21	22.05	22.59	22.67	22.57	22.38				
20	16QAM	1	148	22.04	21.94	22.41	22.65	22.37	22.38				
20	16QAM	50	24	21.28	21.19	21.67	21.76	21.60	21.39				
20	16QAM	50	50	21.17	21.10	21.59	21.68	21.55	21.38	22	2		
20	16QAM	100	0	21.15	20.88	21.52	21.59	21.42	21.30				
20	16QAM	100	49	21.04	20.91	21.46	21.69	21.44	21.29				
20	64QAM	1	0	21.13	21.06	21.54	21.59	21.51	21.36				
20	64QAM	1	99	21.14	20.95	21.48	21.59	21.41	21.37				
20	64QAM	50	0	20.93	20.87	21.38	21.44	21.37	21.10				
20	64QAM	50	24	20.27	20.18	20.63	20.72	20.52	20.52	21	3		
20	64QAM	50	50	20.15	20.10	20.60	20.76	20.52	20.44				
20	64QAM	100	0	20.16	20.15	20.60	20.76	20.50	20.34				
20	64QAM	100	49	20.17	20.12	20.61	20.78	20.54	20.35				
20	256QAM	1	0	18.14	18.06	18.53	18.64	18.41	18.33	19	5		
20	256QAM	1	99	17.97	17.90	18.38	18.53	18.35	18.26				
20	256QAM	50	0	17.82	17.84	18.31	18.44	18.24	18.17				
20	256QAM	50	24	18.06	18.08	18.50	18.60	18.44	18.38				
20	256QAM	50	50	18.20	18.09	18.51	18.63	18.43	18.34				
20	256QAM	100	0	18.01	17.90	18.38	18.48	18.26	18.25				
Frequency [MHz]													
				2592.5	2603.5	2644.3	2650	2637.8	2652.5	Unit- less	dB	MPN (dB)	
19	QPSK	1	0	23.00	22.88	23.60	23.39	23.41	23.21				
19	QPSK	1	37	22.94	22.87	23.55	23.30	23.34	23.13	24	0		
19	QPSK	1	74	22.84	22.80	23.47	23.27	23.32	23.20				
19	QPSK	1	111	22.71	22.61	23.29	23.44	23.27	23.15				
19	QPSK	36	20	22.07	21.84	22.70	22.44	22.41	22.22				
19	QPSK	36	39	22.03	21.98	22.70	22.40	22.42	22.39				
19	QPSK			22.02	21.97	22.69	22.40	22.41	22.22				
19	16QAM	1	0	21.94	21.94	22.64	22.44	22.39	22.39				
19	16QAM	1	37	22.07	22.04	22.68	22.45	22.43	22.33	23	1		
19	16QAM	1	74	22.15	21.91	22.66	22.34	22.44	22.32				
19	16QAM	1	111	22.04	21.99	22.51	22.61	22.44	22.17				
19	16QAM	36	20	21.26	21.05	21.66	21.53	21.59	21.24	22	2		
19	16QAM	36	39	21.08	20.95	21.60	21.40	21.53	21.33				
19	16QAM	75	0	21.05	20.93	21.64	21.31	21.38	21.32				
19	16QAM	75	37	21.01	20.91	21.56	21.38	21.35	21.23	22	2		
19	16QAM	1	37	21.11	20.99	21.61	21.35	21.43	21.34				
19	64QAM	1	74	21.10	20.90	21.53	21.27	21.37	21.27				
19	64QAM	36	0	20.94	20.84	21.50	21.37	21.38	20.19				
19	64QAM	36	20	20.23	20.13	20.62	20.37	20.43	20.45				
19	64QAM	36	39	20.12	20.09	20.75	20.41	20.38	20.41				
19	64QAM	75	0	20.14	20.12	20.71	20.48	20.35	20.20				
19	64QAM	75	37	20.13	20.10	20.70	20.45	20.32	20.02				
19	256QAM	1	37	18.13	17.92	18.59	18.39	18.40	18.25				
19	256QAM	1	74	17.93	17.86	18.51	18.16	18.31	18.25				
19	256QAM	50	0	17.89	17.89	18.50	18.15	18.30	18.24				
19	256QAM	50	20	17.98	17.97	18.68	18.41	18.37	18.24				
19	256QAM	36	39	18.08	18.05	18.66	18.38	18.32	18.26				
19	256QAM	75	0	17.87	17.86	18.44	18.22	18.17	18.12				
Frequency [MHz]													
				2590.5	2601.5	2642.3	2648	2635.8	2650.5	Unit- less	dB	MPN (dB)	
19	QPSK	1	0	22.93	22.97	23.51	23.32	23.40	23.25				
19	QPSK	1	25	22.89	22.83	23.66	23.21	23.32	23.18	24	0		
19	QPSK	1	49	22.87	22.83	23.59	23.27	23.34	23.14				
19	QPSK	25	0	22.10	22.02	22.73	22.45	22.40	22.48				
19	QPSK	25	12	22.12	21.86	22.63	22.40	22.32	22.29	23	1		
19	QPSK	25	25	22.00	21.90	22.72	22.47	22.31	22.31				
19	QPSK	50	0	22.11	21.86	22.68	22.41	22.34	22.29				
19	16QAM	1	0	22.05	21.90	22.73	22.42	22.27	22.24				
19	16QAM	1	25	22.12	22.06	22.79	22.48	22.38	22.44				
19	16QAM	1	49	22.06	21.93	22.73	22.32	22.48	22.26	23	1		
19	16QAM	25	0	21.94	21.84	22.63	22.33	22.38	22.07				
19	16QAM	25	12	21.18	21.18	21.73	21.45	21.48	21.34				
19	16QAM	25	25	21.10	21.06	21.66	21.39	21.45	21.35				
19	16QAM	50	0	21.08	20.87	21.60	21.30	21.33	21.07				
19	16QAM	50	0	21.08	20.90	21.57	21.40	21.23	21.17				
19	16QAM	1	25	20.99	21.00	21.66	21.25	21.41	21.33	22	2		
19	64QAM	1	49	21.03	20.83	21.55	21.35	21.35	21.23				
19	64QAM	25	0	21.08	20.96	21.58	21.37	21.38	21.07				
19	64QAM	25	12	21.18	20.98	21.52	21.45	21.46	21.44				
19	64QAM	50	0	20.10	20.10	20.83	20.46	20.45	20.23				
19	64QAM	50	0	20.17	20.16	20.83	20.46	20.45	20.23				
19	256QAM	1	25	18.00	18.04	18.61	18.38	18.28	18.19	19	5		
19	256QAM	1	49	17.86	17.88	18.47	18.30	18.23	18.24				
19	256QAM	25	0	17.87	17.86	18.48	18.16	18.30	18.24				
19	256QAM	25	12	18.00	18.02	18.50	18.31	18.42	18.32				
19	256QAM	25	25	18.15	17.97	18.58	18.37	18.29	18.19				
19	256QAM	50	0	17.90	17.86	18.42	18.23	18.13	18.14				
Frequency [MHz]													
				2592.5	2603.5	2644.3	2650	2637.8	2652.5	Unit- less	dB	MPN (dB)	
5	QPSK	1	0	22.97	22.83	23.66	23.38	23.37	23.25				
5	QPSK	1	12	22.88	22.89	23.67	23.34	23.36	23.23	24	0		
5	QPSK	1	24	22.84	22.93	23.60	23.21	23.28	23.18				
5	QPSK	1	36	22.12	22.02	22.81	22.43	22.44	22.33				
5	QPSK	12	7	22.11	22.02	22.78	22.43	22.30	22.24	23	1		
5	QPSK	12	13	22.07	21.95	22.69	22.34	22.41	22.36				
5	QPSK	12	25	22.11	22.00	22.72	22.44	22.34	22.29				
5	16QAM	1	0	21.97	22.00	22.62	22.45	22.36	22.29				
5	16QAM	1	12	22.05	22.01	22.72	22.35	22.38	22.41	23	1		
5	16QAM	1	24	22.15	21.91	22.68	22.41	22.47	22.36				
5	16QAM	12	0	21.94	21.99	22.61	22.32	22.31	21.13				
5	16QAM	12	7	21.28	21.21	21.74	21.47	21.54	21.32	22	2		
5	16QAM	12	13	21.06	20.99	21.64	21.40	21.44	21.24				
5	16QAM	25	0	20.85	20.78	21.37	21.10	21.17	21.07				
5	64QAM	1	0	21.14	21.02	21.63	21.34	21.25	21.23				
5	64QAM	1	12	21.08	21.04	21.72	21.35	21.50	21.34	22	2		
5	64QAM	1	24	21.12	20.88	21.62	21.29	21.38	21.31				
5	64QAM	12	0	20.90	20.81	21.50	21.17	21.25	21.15				
5	64QAM	12	7	20.21	20.09	20.79	20.49	20.49	20.46	21	3		
5	64QAM	12	13	20.52	20.21	20.71	20.52	20.48	20.39				
5	64QAM	25	0	20.17	20.03	20.75	20.42	20.48	20.32				
5	256QAM	1	0	17.80	17.88	18.36	18.21	18.03	18.22	19	5		
5	256QAM	1	12	18.12	17.96	18.68	18.35	18.36	18.20				
5	256QAM	1	24	17.84	17.88	18.49	18.21	18.34	18.24				
5	256QAM	12											

Band 41 (HPUE)_Ant 7													
RF [MHz]	Modulation	RB Size	RBs Offset	Power for IC [W]	Power Low Power [W]	Power Low Power [W]	Power Low Power [W]	Power High Power [W]	Power High Power [W]	Turn-on time (s)	MFR (dB)		
Frequency (MHz)													
20	QPSK	1	0	24.80	24.37	25.55	25.03	25.50	25.47				
20	QPSK	1	49	24.80	24.51	25.45	25.68	24.47	25.44	26	0		
20	QPSK	1	99	24.80	24.53	25.52	25.64	25.43	25.37				
20	QPSK	1	149	24.80	24.51	25.45	25.68	24.47	25.44				
20	QPSK	50	24	24.11	23.67	24.51	24.69	24.45	24.46	25	1		
20	QPSK	50	50	24.13	23.54	24.46	24.68	24.48	24.48				
20	QPSK	50	75	24.10	23.67	24.51	24.69	24.45	24.46				
20	QPSK	50	100	24.30	23.77	24.66	24.88	24.48	24.73	24	2		
20	16QAM	1	49	24.36	23.91	24.77	24.90	24.76	24.81	25	1		
20	16QAM	1	99	24.28	23.83	24.67	24.50	24.75	24.72				
20	16QAM	1	149	24.38	22.45								
20	16QAM	50	24	25.10	22.68	23.61	23.74	25.30	23.53				
20	16QAM	50	50	23.13	22.67	23.50	23.73	23.62	23.48				
20	16QAM	50	75	23.05	22.81	24.46	23.68	24.47	23.48				
20	16QAM	50	100	23.13	22.65								
20	64QAM	1	49	23.35	22.80	23.66	23.91	23.79	23.66	24	2		
20	64QAM	1	99	23.23	22.78	23.70	23.85	23.71	23.74				
20	64QAM	1	149	23.21	21.47								
20	64QAM	50	24	22.19	21.72	22.56	22.77	22.66	22.55				
20	64QAM	50	50	22.23	21.61	22.65	22.76	22.51	22.61	23	3		
20	64QAM	50	75	22.15	21.59	22.48	22.66	22.52	22.43				
20	256QAM	1	49	20.18	19.61								
20	256QAM	1	99	20.20	19.79	20.75	20.87	20.73	20.75				
20	256QAM	1	149	20.08	19.52	20.49	20.65	20.49	20.43				
20	256QAM	50	24	20.10	19.42	20.49	20.65	20.49	20.43				
20	256QAM	50	24	20.09	19.64	20.52	20.72	20.59	20.50	21	5		
20	256QAM	50	50	20.03	19.80	20.54	20.65	20.44	20.46				
20	256QAM	100	0	20.18	19.62	20.50	20.74	20.61	20.56				
Frequency (MHz)													
15	QPSK	1	0	24.67	24.47	25.56	25.43	25.37	25.35				
15	QPSK	1	37	24.79	24.36	25.59	25.32	25.41	25.30	26	0		
15	QPSK	1	74	24.87	24.43	25.61	25.47	25.42	25.25				
15	QPSK	1	111	24.87	24.37	25.61	25.47	25.42	25.25				
15	QPSK	36	20	23.68	23.55	24.65	24.38	24.36	24.36				
15	QPSK	36	39	23.99	23.49	24.65	24.32	24.48	24.41				
15	QPSK	36	72	24.08	23.59	24.74	24.32	24.62	24.39				
15	16QAM	1	0	24.22	23.76	24.73	24.59	24.63	24.62				
15	16QAM	1	37	24.33	23.80	24.87	24.63	24.63	24.60	25	1		
15	16QAM	1	74	24.25	23.75	24.86	24.64	24.69	24.68				
15	16QAM	1	111	24.03	22.35								
15	16QAM	36	20	23.03	22.53	23.61	23.59	24.24	23.38	24	2		
15	16QAM	36	39	23.05	22.57	23.66	23.41	23.61	23.37				
15	16QAM	36	72	23.07	22.55	23.54	23.36	23.44	23.45				
15	16QAM	36	100	23.06	22.54	23.53	23.43	23.52	23.39				
15	64QAM	1	37	23.27	22.89	23.83	23.56	23.70	23.62	24	2		
15	64QAM	1	74	23.08	22.71	23.70	23.61	23.69	23.69				
15	64QAM	1	111	23.88	21.34								
15	64QAM	36	20	22.08	21.61	22.65	22.43	22.63	22.45				
15	64QAM	36	39	22.18	21.59	22.67	22.56	22.38	22.57	23	3		
15	64QAM	36	72	22.06	21.46	22.65	22.37	22.50	22.29				
15	64QAM	36	100	22.10	21.55	22.65	22.39	22.50	22.29				
15	256QAM	1	37	20.14	19.68	20.62	20.65	20.64	20.74				
15	256QAM	1	74	19.94	19.38	20.53	20.36	20.46	20.28				
15	256QAM	1	111	19.94	19.38	20.53	20.36	20.46	20.28				
15	256QAM	36	20	20.02	19.53	20.65	20.50	20.52	20.47	21	5		
15	256QAM	36	39	19.98	19.47	20.53	20.43	20.37	20.34				
15	256QAM	75	0	20.12	19.59	20.62	20.37	20.46	20.33				
Frequency (MHz)													
10	QPSK	1	0	24.60	24.40	25.59	25.46	25.40	25.38				
10	QPSK	1	25	24.88	24.48	25.54	25.32	25.37	25.42	26	0		
10	QPSK	1	49	24.86	24.42	25.51	25.35	25.35	25.37				
10	QPSK	1	74	24.94	24.50	25.67	25.49	25.48	25.47				
10	QPSK	25	12	24.07	23.63	24.54	24.45	24.30	24.37	25	1		
10	QPSK	25	25	24.04	23.44	24.58	24.45	24.34	24.37				
10	QPSK	25	49	24.02	23.32	24.52	24.48	24.33	24.36				
10	16QAM	1	0	24.18	23.66	24.80	24.52	24.60	24.68				
10	16QAM	1	25	24.29	23.86	24.78	24.75	24.75	24.70				
10	16QAM	1	49	24.13	23.78	24.83	24.84	24.69	24.69				
10	16QAM	1	74	24.05	22.39	24.34	24.31	24.34	24.34				
10	16QAM	25	12	23.00	22.27	23.65	23.52	23.41	23.46	24	2		
10	16QAM	25	25	23.11	22.66	23.65	23.42	23.56	23.35				
10	16QAM	25	49	23.08	22.53	23.64	23.37	23.53	23.38				
10	64QAM	1	0	23.10	22.50	23.57	23.47	23.40	23.45				
10	64QAM	1	25	23.21	22.78	23.88	23.51	23.76	23.62	24	2		
10	64QAM	1	49	23.22	22.73	23.82	23.61	23.57	23.72				
10	64QAM	1	74	23.18	21.42	22.56	22.36	22.57	22.41				
10	64QAM	25	12	21.15	21.71	22.68	22.48	22.61	22.41	23	3		
10	64QAM	25	25	21.20	21.51	22.74	22.59	22.42	22.47				
10	256QAM	1	0	22.09	21.48	22.27	22.20	22.42	22.33				
10	256QAM	1	25	20.11	19.48	20.49	20.45	20.48	20.46				
10	256QAM	1	49	20.25	19.71	20.81	20.62	20.69	20.74				
10	256QAM	1	74	20.02	19.37	20.62	20.46	20.35	20.32				
10	256QAM	25	12	20.03	19.36	20.48	20.33	20.34	20.33	24	1		
10	256QAM	25	25	20.03	19.58	20.71	20.43	20.57	20.45				
10	256QAM	25	49	19.91	19.51	20.53	20.43	20.32	20.33				
10	256QAM	50	0	20.03	19.50	20.68	20.39	20.50	20.33				
Frequency (MHz)													
5	QPSK	1	0	24.86	24.42	25.65	25.41	25.38	25.34				
5	QPSK	1	12	24.81	24.50	25.56	25.35	25.34	25.41	26	0		
5	QPSK	1	24	24.98	24.50	25.69	25.48	25.42	25.52				
5	QPSK	12	74	24.08	23.72	24.64	24.60	24.49	24.50				
5	QPSK	12	13	24.00	23.55	24.56	24.50	24.36	24.44				
5	QPSK	12	13	24.02	23.39	24.61	24.54	24.34	24.37				
5	16QAM	1	0	23.97	23.53	24.65	24.55	24.45	24.53				
5	16QAM	1	0	24.28	23.73	24.87	24.55	24.62	24.58				
5	16QAM	1	12	24.23	23.30	24.83	24.66	24.73	24.75	25	1		
5	16QAM	1	24	24.23	23.76	24.84	24.52	24.62	24.61				
5	16QAM	12	74	22.26	22.31	23.45	23.38	23.33	23.27				
5	16QAM	12	7	22.97	22.66	23.72	23.51	23.45	23.47				
5	16QAM	12	13	23.06	22.53	23.69	23.48	23.57	23.44				
5	64QAM	1	0	23.05	22.55	23.66	23.45	23.44	23.44				
5	64QAM	1	0	23.13	22.58	23.68	23.48	23.37	23.46				
5	64QAM	1	12	23.23	22.69	23.80	23.64	23.65	23.60	24	2		
5	64QAM	1	24	23.10	22.66	23.84	23.55	23.67	23.66				
5	64QAM	12	74	21.80	21.36	22.47	22.21	22.22	22.40				
5	64QAM	12	7	22.06	21.89	22.76	22.53	22.56	22.48				
5	256QAM	12	13	22.21	21.57	22.67	22.51	22.41	22.35				
5	256QAM	1	0	20.07	20.15	20.68	20.47	20.52	20.48				
5	256QAM	1	0	20.12	19.60	20.68	20.51	20.42	20.48				
5	256QAM	1	12	20.15	19.67	20.63	20.60	20.59	20.64				
5	256QAM	1	24	20.03	19.41	20.51	20.37	20.43	20.42				
5	256QAM	12	7	19.82	19.36	20.48	20.38	20.37	20.37				
5	256QAM	12	7	20.07	19.55	20.57	20.38	20.58	20.48				
5	256QAM	12	13	19.90	19.53	20.55	20.32	20.34	20.42	21	5		

Band 41_Ant 5																
RF Band (MHz)	Modulation	RB (MHz)	Offset (MHz)	Power For IC Ch./Freq	Power Low Ch./Freq	Power Mode Ch./Freq	Power Mode Ch./Freq	Power High Ch./Freq	Power High Ch./Freq	Turn-on time (ms)	MPE (dB)					
Channel				39790	39750	40195	40500	41055	41660							
Frequency (MHz)				24.55	24.37	24.36	24.30	24.12	24.24							
20	QPSK	1	0	24.55	24.37	24.36	24.30	24.12	24.24							
20	QPSK	1	48	24.58	24.28	24.22	24.32	24.10	24.19	24.8	0					
20	QPSK	1	96	24.58	24.25	24.21	24.30	23.85	24.15							
20	QPSK	5	0	24.55	24.37	24.36	24.30	24.12	24.24							
20	QPSK	50	24	23.26	23.26	23.35	23.40	23.05	23.35	23.8	1					
20	QPSK	50	50	23.22	23.20	23.22	23.35	23.01	23.22							
20	QPSK	100	0	23.22	23.28	23.32	23.44	23.04	23.32							
20	16QAM	0	0	23.19	23.15	23.13	23.26	22.91	23.12							
20	16QAM	1	48	23.32	23.26	23.22	23.44	23.14	23.41	23.8	1					
20	16QAM	1	96	23.23	23.27	23.22	23.31	22.98	23.25							
20	16QAM	50	24	22.40	22.38	22.39	22.35	22.15	22.26							
20	16QAM	50	50	22.40	22.42	22.43	22.48	22.27	22.46	22.8						
20	16QAM	100	0	22.37	22.30	22.36	22.45	22.21	22.35							
20	16QAM	100	0	22.31	22.39	22.37	22.44	22.22	22.37							
20	64QAM	0	0	22.32	22.32	22.32	22.32	22.12	22.15	22.8						
20	64QAM	1	48	22.36	22.34	22.37	22.46	22.13	22.35							
20	64QAM	1	96	22.17	22.18	22.25	22.28	22.04	22.21							
20	64QAM	50	24	21.25	21.30	21.34	21.37	21.11	21.31							
20	64QAM	50	50	21.34	21.45	21.41	21.48	21.15	21.38							
20	64QAM	50	50	21.41	21.41	21.32	21.47	21.19	21.34	21.8	3					
20	64QAM	100	0	21.36	21.28	21.34	21.43	21.08	21.41							
20	256QAM	0	0	21.37	21.31	21.38	21.47	21.07	21.36							
20	256QAM	1	48	19.35	19.40	19.38	19.47	19.15	19.33	19.8	5					
20	256QAM	1	96	19.26	19.33	19.28	19.34	19.08	19.31							
20	256QAM	50	24	19.32	19.32	19.32	19.32	19.07	19.32							
20	256QAM	50	50	19.40	19.36	19.35	19.47	19.12	19.44	19.8	5					
20	256QAM	100	0	19.32	19.31	19.36	19.44	19.12	19.29							
20	256QAM	100	0	19.35	19.33	19.43	19.50	19.07	19.43	19.8	5					
	Frequency (MHz)			2007.6	2003.3	2046.3	2003.8	2037.8	2062.5	19.8	5					
15	QPSK	1	0	24.20	24.25	24.24	24.24	23.99	24.21							
15	QPSK	1	37	24.13	24.24	24.20	24.11	24.03	24.11	24.8	0					
15	QPSK	1	74	24.15	24.13	24.24	24.12	23.91	24.03							
15	QPSK	5	0	24.25	24.27	24.28	24.32	24.07	24.33							
15	QPSK	36	0	23.25	23.25	23.34	23.24	22.86	23.35	23.8	1					
15	QPSK	36	36	23.20	23.08	23.24	23.21	22.89	23.17							
15	QPSK	72	0	23.28	23.28	23.28	23.28	22.99	23.29							
15	16QAM	0	0	23.06	23.03	23.22	22.99	22.85	23.02							
15	16QAM	1	37	23.27	23.31	23.38	23.34	23.00	23.35	23.8	1					
15	16QAM	1	74	23.19	23.12	23.16	23.16	22.84	23.17							
15	16QAM	36	0	22.32	22.32	22.32	22.32	22.12	22.15	22.8						
15	16QAM	36	36	22.26	22.34	22.42	22.42	22.11	22.35	22.8	2					
15	16QAM	36	72	22.26	22.23	22.41	22.27	22.19	22.26							
15	16QAM	75	0	22.21	22.32	22.43	22.35	22.22	22.35							
15	16QAM	75	36	21.99	22.04	22.21	21.95	21.84	22.01	22.8	2					
15	16QAM	1	37	22.34	22.32	23.32	22.29	22.05	22.20							
15	16QAM	1	74	22.16	22.04	22.25	22.16	21.96	22.10							
15	16QAM	36	0	21.29	21.30	21.30	21.29	21.09	21.30	21.8	3					
15	16QAM	36	36	21.29	21.36	21.40	21.29	21.03	21.35							
15	16QAM	36	72	21.27	21.38	21.42	21.21	21.10	21.25							
15	16QAM	75	0	21.24	21.20	21.29	21.28	21.05	21.33							
15	16QAM	75	36	19.19	19.12	19.18	19.21	18.97	19.19	19.8	5					
15	256QAM	1	37	19.24	19.31	19.34	19.35	19.03	19.29							
15	256QAM	1	74	19.25	19.23	19.27	19.18	18.93	19.23							
15	256QAM	36	0	19.19	19.19	19.19	19.19	18.93	19.19	19.8	5					
15	256QAM	36	36	19.26	19.24	19.43	19.34	19.09	19.40							
15	256QAM	75	0	19.23	19.40	19.41	19.24	19.12	19.14							
	Frequency (MHz)			2506	2501	2547	2503	2539	2565	19.8	5					
10	QPSK	1	0	24.26	24.35	24.28	24.35	24.01	24.14							
10	QPSK	1	25	24.22	24.15	24.31	24.16	23.97	24.04	24.8	0					
10	QPSK	48	0	24.25	24.11	24.17	24.17	23.97	24.03							
10	QPSK	25	0	24.26	24.30	24.37	24.29	24.10	24.23							
10	QPSK	25	12	23.14	23.15	23.39	23.30	22.86	23.22	23.8	1					
10	QPSK	25	25	23.19	23.06	23.25	23.21	22.93	23.16							
10	QPSK	5	0	23.19	23.23	23.33	23.30	22.93	23.25							
10	16QAM	0	0	23.06	23.10	23.22	23.03	22.88	23.07							
10	16QAM	1	25	23.18	23.26	23.38	23.38	23.10	23.32	23.8	1					
10	16QAM	1	48	23.15	23.18	23.29	23.15	22.89	23.12							
10	16QAM	5	0	23.23	23.27	23.37	23.21	22.96	23.28							
10	16QAM	25	12	22.29	22.31	23.39	23.30	22.26	22.42	22.8	2					
10	16QAM	25	25	22.36	22.24	23.24	22.15	22.18	22.30							
10	16QAM	50	24	22.34	22.34	23.34	23.24	22.22	22.34							
10	16QAM	50	0	21.87	22.02	22.19	21.97	21.87	22.09							
10	16QAM	1	25	22.24	22.27	24.00	22.29	22.12	22.32	22.8	2					
10	16QAM	1	48	22.11	22.17	22.27	22.21	21.94	22.19							
10	16QAM	5	0	21.87	21.87	22.19	21.87	21.78	21.86							
10	16QAM	25	12	21.22	21.42	21.40	21.37	21.10	21.28	21.8	3					
10	16QAM	25	25	21.33	21.31	21.42	21.20	21.04	21.31							
10	16QAM	50	0	21.31	21.20	21.29	21.33	21.00	21.34							
10	16QAM	50	24	19.17	19.17	19.17	19.17	18.97	19.16							
10	256QAM	1	25	19.23	19.34	19.38	19.25	19.04	19.26	19.8	5					
10	256QAM	1	48	19.21	19.19	19.24	19.22	19.07	19.25							
10	256QAM	5	0	19.23	19.23	19.23	19.23	19.03	19.23							
10	256QAM	25	12	19.38	19.32	19.36	19.22	19.08	19.36	19.8	5					
10	256QAM	25	25	19.31	19.32	19.27	19.27	18.98	19.29							
10	256QAM	50	0	19.31	19.32	19.40	19.24	19.20	19.17							
	Frequency (MHz)			2592.5	2608.5	2645.8	2593.3	2640.30	2667.5	19.8	5					
5	QPSK	1	0	24.34	24.35	24.30	24.28	24.03	24.21							
5	QPSK	1	12	24.18	24.13	24.26	24.09	23.96	24.09	24.8	0					
5	QPSK	24	0	24.16	24.16	24.17	24.06	23.85	24.02							
5	QPSK	12	0	24.35	24.30	24.30	24.41	24.22	24.35							
5	QPSK	12	7	23.18	23.18	23.31	23.25	23.04	23.27	23.8	1					
5	QPSK	12	13	23.07	23.07	23.31	23.13	22.87	23.11							
5	QPSK	24	0	23.19	23.24	23.34	23.33	23.03	23.25							
5	16QAM	0	0	23.16	23.06	23.20	23.00	22.77	23.07							
5	16QAM	1	12	23.19	23.24	23.35	23.35	23.09	23.29	23.8	1					
5	16QAM	1	24	23.22	23.24	23.18	23.19	22.89	23.12							
5	16QAM	12	0	23.16	23.16	23.22	23.17	22.92	23.15							
5	16QAM	12	7	23.25	23.28	23.33	23.32	23.26	23.40	22.8	2					
5	16QAM	12	13	23.25	23.28	23.39	23.17	23.20	23.22							
5	16QAM	24	0	23.19	23.24	23.33	23.33	23.03	23.25							
5	64QAM	0	0	22.06	22.08	22.07	22.00	21.79	21.90							
5	64QAM	1	12	22.23	22.31	22.44	22.24	22.07	22.30	22.8	2					
5	64QAM	1	24	22.07	22.12	22.24	22.18	21.86	22.20							
5	64QAM	12	0	21.19	21.17	21.23	21.19	21.03	21.16							
5	64QAM	12	7	21.30	21.33	21.33	21.29	21.05	21.25	21.8	3					
5	64QAM	12	13	21.27	21.37	21.43	21.21	21.04	21.32							
5	256QAM	0	0	21.33	21.33	21.36	21.29	21.07	21.30							
5	256QAM	0	19	19.11	19.19	19.18	19.18	18.94	19.17	19.8	5					
5	256QAM	1	12	19.27	19.35	19.36	19.26	19.07	19.30							
5	256QAM	1	24	19.21	19.28	19.28	19.18	18.93	19.19							
5	256QAM	12	0	19.25	19.17	19.19	19.07	18.90	19.04	19.8	5					
5	256QAM	12	7	19.29	19.23	19.44	19.24	19.07	19.43	19.8	5					

Band 41 (HPUE)_Ant 5													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MPR (dB)
Channel													
Frequency (MHz)				39750	39750	40185	40620	41055	41490				
20	QPSK	1	0	27.07	26.93	26.81	27.01	26.76	26.74				
20	QPSK	1	49	26.87	26.86	26.75	26.99	26.67	26.71	27.3	0		
20	QPSK	1	99	26.86	26.83	26.78	26.97	26.69	26.69				
20	QPSK	50	0	26.96	26.93	26.80	26.72	26.93	26.94				
20	QPSK	50	24	26.96	26.94	26.80	26.72	26.87	26.82	26.3	1		
20	QPSK	50	30	26.98	26.91	26.80	26.72	26.91	26.90				
20	QPSK	100	0	26.98	26.97	26.96	26.99	26.84	26.87				
20	16QAM	1	0	26.19	26.11	26.13	26.24	26.33	26.32				
20	16QAM	1	49	26.11	26.15	26.05	26.22	26.06	26.09	26.3	1		
20	16QAM	1	99	26.19	26.28	26.26	26.30	26.38	26.35				
20	16QAM	50	0	26.20	26.24	26.87	26.11	26.85	26.24				
20	16QAM	50	24	26.18	26.19	26.11	26.26	26.32	26.36			25.3	2
20	16QAM	50	30	26.24	26.25	26.08	26.28	26.38	26.35				
20	16QAM	100	0	26.12	26.17	26.96	26.21	26.91	26.25				
20	64QAM	1	0	26.11	26.16	26.02	26.22	26.40	26.08				
20	64QAM	1	49	26.15	26.15	26.06	26.29	26.06	26.05	25.3	2		
20	64QAM	1	99	26.22	26.15	26.12	26.28	26.44	26.25				
20	64QAM	50	0	26.41	24.96	24.50	24.11	23.87	23.76				
20	64QAM	50	24	26.42	24.16	24.02	24.22	24.00	23.92	24.3	3		
20	64QAM	50	30	26.44	24.16	24.01	24.22	24.03	23.97				
20	64QAM	100	0	26.45	24.06	24.06	24.21	23.97	23.86				
20	256QAM	1	0	21.86	21.87	21.79	21.85	21.73	21.73				
20	256QAM	1	49	22.07	22.11	21.87	22.14	21.87	21.87	22.3	5		
20	256QAM	1	99	22.09	22.06	21.84	22.11	21.87	21.79				
20	256QAM	50	0	21.74	21.69	21.65	21.84	21.50	21.60				
20	256QAM	50	24	21.83	21.96	21.82	21.87	21.82	21.74	22.3	5		
20	256QAM	50	30	21.84	21.86	21.83	21.85	21.85	21.86				
20	256QAM	100	0	21.87	21.86	21.80	21.84	21.69	21.62				
Channel													
Frequency (MHz)				39765	39765	40173	40620	41068	41490	Turn-on time (dBm)	MPR (dB)		
15	QPSK	1	0	26.88	26.88	26.89	26.97	26.67	26.67				
15	QPSK	1	37	26.82	26.79	26.84	26.70	26.86	26.86	27.3	0		
15	QPSK	1	74	26.85	26.77	26.94	26.72	26.84	26.84				
15	QPSK	36	0	26.96	26.96	26.92	26.92	26.92	26.92				
15	QPSK	36	20	26.82	26.87	26.86	26.86	26.86	26.81	26.3	1		
15	QPSK	36	36	26.92	26.90	26.88	26.88	26.84	26.81				
15	QPSK	75	0	26.86	26.89	26.96	26.93	26.82	26.79				
15	16QAM	1	0	26.87	26.89	26.92	26.86	26.92	26.86				
15	16QAM	1	37	26.10	26.00	26.21	26.04	26.81	26.85	26.3	1		
15	16QAM	1	74	26.16	26.05	26.12	26.06	26.85	26.81				
15	16QAM	36	0	26.88	26.94	26.90	26.79	26.71	26.86				
15	16QAM	36	20	26.86	26.83	26.86	26.80	26.83	26.86				
15	16QAM	36	36	26.20	26.18	26.21	26.00	26.90	26.90	25.3	2		
15	16QAM	75	0	26.91	26.12	26.09	26.82	26.84	26.94				
15	64QAM	1	37	26.07	26.15	26.26	26.92	26.91	26.94	25.3	2		
15	64QAM	1	74	26.04	26.04	26.22	26.90	26.88	26.88				
15	64QAM	36	0	26.93	26.89	26.99	26.91	26.73	26.74				
15	64QAM	36	20	26.98	26.94	26.98	26.91	26.73	26.74				
15	64QAM	36	36	26.08	26.11	26.16	26.93	26.78	26.85	24.3	3		
15	256QAM	1	0	26.41	24.01	24.16	23.99	23.96	23.85				
15	256QAM	1	37	21.77	21.75	21.88	21.71	21.62	21.62				
15	256QAM	1	74	21.84	22.10	22.09	21.83	21.81	21.85	22.3	5		
15	256QAM	1	74	21.74	21.86	22.05	21.85	21.72	21.76				
15	256QAM	36	0	21.62	21.60	21.71	21.60	21.36	21.52				
15	256QAM	36	20	21.78	21.86	21.83	21.75	21.62	21.67	22.3	5		
15	256QAM	36	36	21.62	21.81	21.83	21.75	21.58	21.56				
15	256QAM	75	0	21.80	21.78	21.83	21.69	21.59	21.59				
Channel													
Frequency (MHz)				39740	39740	40160	40620	41080	41540	Turn-on time (dBm)	MPR (dB)		
10	QPSK	1	0	26.85	26.81	26.94	26.73	26.87	26.68				
10	QPSK	1	25	26.81	26.77	26.91	26.68	26.86	26.65	27.3	0		
10	QPSK	1	49	26.71	26.68	26.88	26.77	26.66	26.68				
10	QPSK	25	12	26.90	26.90	26.90	26.90	26.90	26.90				
10	QPSK	25	25	26.93	26.89	26.90	26.91	26.87	26.75	26.3	1		
10	QPSK	50	0	26.95	26.90	26.90	26.84	26.74	26.86				
10	QPSK	50	24	26.96	26.95	26.94	26.94	26.94	26.94				
10	16QAM	1	0	26.06	26.06	26.14	26.05	26.85	26.89	26.3	1		
10	16QAM	1	25	26.05	26.13	26.21	26.01	26.90	26.77				
10	16QAM	1	49	26.85	26.94	26.13	26.06	26.92	26.82				
10	16QAM	25	12	26.98	26.98	26.98	26.98	26.98	26.98				
10	16QAM	25	25	26.90	26.94	26.94	26.97	26.87	26.87	25.3	2		
10	16QAM	50	0	26.98	26.15	26.11	26.84	26.83	26.83				
10	16QAM	50	24	26.98	26.98	26.98	26.98	26.98	26.98				
10	64QAM	1	0	26.09	26.05	26.07	26.00	26.80	26.91	25.3	2		
10	64QAM	1	25	26.10	26.08	26.14	26.05	26.03	26.08				
10	64QAM	1	49	26.10	26.04	26.16	26.08	26.87	26.80				
10	64QAM	25	12	26.90	26.90	26.90	26.90	26.90	26.90				
10	64QAM	25	25	26.11	26.13	26.09	26.93	26.83	26.82	24.3	3		
10	64QAM	50	0	26.94	26.02	26.16	26.02	26.83	26.82				
10	256QAM	1	0	21.76	21.85	21.80	21.68	21.72	21.68				
10	256QAM	1	25	21.99	22.04	22.06	21.90	21.78	21.75	22.3	5		
10	256QAM	1	49	22.07	22.05	21.96	21.88	21.74	21.74				
10	256QAM	25	0	21.83	21.84	21.73	21.62	21.62	21.62				
10	256QAM	25	12	21.77	21.85	21.81	21.72	21.62	21.62	22.3	5		
10	256QAM	25	25	21.78	21.85	21.88	21.79	21.62	21.60				
10	256QAM	50	0	21.77	21.71	21.91	21.68	21.64	21.69				
Channel													
Frequency (MHz)				39715	39715	40145	40620	41093	41555	Turn-on time (dBm)	MPR (dB)		
5	QPSK	1	0	26.85	26.88	26.90	26.79	26.62	26.67				
5	QPSK	1	12	26.76	26.73	26.86	26.66	26.69	26.65	27.3	0		
5	QPSK	1	24	26.84	26.80	26.83	26.77	26.63	26.67				
5	QPSK	12	0	26.84	26.80	26.81	26.84	26.82	26.82				
5	QPSK	12	7	26.85	26.80	26.97	26.86	26.83	26.73	26.3	1		
5	QPSK	12	13	26.90	26.78	26.10	26.90	26.81	26.86				
5	QPSK	26	0	26.95	26.96	26.96	26.97	26.75	26.82				
5	16QAM	1	0	26.07	26.09	26.14	26.11	26.79	26.82				
5	16QAM	1	12	26.00	26.14	26.16	26.00	26.85	26.86	26.3	1		
5	16QAM	1	24	26.06	26.01	26.14	26.99	26.83	26.83				
5	16QAM	12	0	26.07	26.08	26.07	26.76	26.71	26.78				
5	16QAM	12	7	26.06	26.11	26.20	26.02	26.90	26.95	25.3	2		
5	16QAM	12	13	26.17	26.22	26.13	26.05	26.40	26.46				
5	16QAM	26	0	26.10	26.06	26.06	26.86	26	26.90				
5	64QAM	1	0	26.06	26.14	26.09	26.09	26.88	26.82	25.3	2		
5	64QAM	1	12	26.05	26.12	26.12	26.04	26.87	26.81				
5	64QAM	1	24	26.11	26.11	26.12	26.04	26.86	26.91	25.3	2		
5	64QAM	12	0	23.96	23.95	24.02	23.96	23.86	23.89				
5	64QAM	12	7	24.03	24.11	24.03	23.88	23.87	23.79	24.3	3		
5	64QAM	12	13	24.06	24.08	24.07	23.86	23.86	23.86				
5	64QAM	26	0	24.11	24.00	24.19	23.98	23.85	23.88				
5	256QAM	1	0	21.82	21.81	21.92	21.71						

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BW (MHz)	Modulation	RB Size (MHz)	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Med Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MPR (dB)						
Channel															
Frequency (MHz)															
20	QPSK	1	0	24.06	24.12	24.18	24.98	24.8	0						
20	QPSK	1	49	23.96	24.06	23.93	23.97								
20	QPSK	1	99	23.97	24.09	24.05	23.94								
20	QPSK	50	0	23.43	23.43	23.31	23.31								
20	QPSK	50	24	23.32	23.33	23.25	23.25								
20	QPSK	50	50	23.26	23.32	23.26	23.22	23.8	1						
20	16QAM	1	0	23.11	23.20	23.14	23.05								
20	16QAM	1	49	23.30	23.38	23.20	22.35								
20	16QAM	1	99	23.17	23.30	23.25	23.25								
20	16QAM	50	0	22.30	22.35	22.22	22.29								
20	16QAM	50	24	22.23	22.37	22.26	22.24	22.8	2						
20	16QAM	50	50	22.32	22.36	22.27	22.23								
20	16QAM	100	0	22.29	22.32	22.28	22.24								
20	64QAM	1	0	22.27	22.34	22.29	22.21								
20	64QAM	1	49	22.32	22.38	22.20	22.35								
20	64QAM	1	99	22.24	22.31	22.16	22.18	21.8	3						
20	64QAM	50	0	21.31	21.32	21.26	21.30								
20	64QAM	50	24	21.34	21.38	21.30	21.28								
20	64QAM	50	50	21.24	21.31	21.16	21.27								
20	64QAM	100	0	21.20	21.32	21.25	21.30								
20	256QAM	1	0	19.06	19.20	19.15	19.14	19.8	5						
20	256QAM	1	49	19.17	19.25	19.19	19.24								
20	256QAM	1	99	19.18	19.21	19.10	19.14								
20	256QAM	50	0	19.30	19.38	19.35	19.26								
20	256QAM	50	24	19.33	19.35	19.20	19.20								
20	256QAM	50	50	19.29	19.37	19.26	19.26	19.8	5						
20	256QAM	100	0	19.32	19.36	19.27	19.23								
Channel															
Frequency (MHz)															
15	QPSK	1	0	23.83	23.89	23.89	23.99			24.8	0				
15	QPSK	1	37	23.93	23.99	23.84	23.96								
15	QPSK	1	74	23.94	23.98	23.95	23.91								
15	QPSK	36	0	23.36	23.34	23.25	23.16								
15	QPSK	36	20	23.17	23.25	23.28	23.15								
15	QPSK	36	36	23.30	23.23	23.13	23.08	23.8	1						
15	QPSK	75	0	23.21	23.17	23.19	23.20								
15	16QAM	1	0	23.05	23.13	23.02	23.03								
15	16QAM	1	37	22.96	23.22	23.03	23.05								
15	16QAM	1	74	23.02	23.23	23.18	23.14								
15	16QAM	36	0	22.19	22.30	22.16	22.14	22.8	2						
15	16QAM	36	20	22.17	22.33	22.19	22.27								
15	16QAM	36	36	22.21	22.34	22.24	22.21								
15	16QAM	75	0	22.17	22.31	22.19	22.20								
15	64QAM	1	0	22.18	22.33	22.19	22.17								
15	64QAM	1	37	22.26	22.30	22.16	22.16	22.8	2						
15	64QAM	1	74	22.16	22.21	22.15	22.15								
15	64QAM	36	0	21.24	21.29	21.14	21.23								
15	64QAM	36	20	21.26	21.32	21.17	21.25								
15	64QAM	36	36	21.12	21.27	21.11	21.14								
15	64QAM	75	0	21.12	21.24	21.11	21.17	21.8	3						
15	256QAM	1	0	19.02	19.13	19.08	19.04								
15	256QAM	1	37	19.16	19.15	19.09	19.22								
15	256QAM	1	74	19.07	19.10	19.06	19.09								
15	256QAM	36	0	19.15	19.28	19.24	19.17								
15	256QAM	36	20	19.23	19.21	19.17	19.13	19.8	5						
15	256QAM	36	36	19.16	19.33	19.15	19.17								
15	256QAM	75	0	19.26	19.35	19.26	19.19								
Channel															
Frequency (MHz)															
10	QPSK	1	0	23.94	23.97	24.02	23.95	24.8	0						
10	QPSK	1	25	23.89	24.05	23.88	23.95								
10	QPSK	1	49	23.87	23.96	23.90	23.89								
10	QPSK	25	0	23.29	23.35	23.30	23.14								
10	QPSK	25	12	23.19	23.19	23.25	23.14								
10	QPSK	25	25	23.19	23.23	23.13	23.07	23.8	1						
10	QPSK	50	0	23.16	23.23	23.16	23.16								
10	16QAM	1	0	23.05	23.11	23.05	23.03								
10	16QAM	1	25	23.01	23.15	23.10	23.09								
10	16QAM	1	49	23.10	23.19	23.14	23.16								
10	16QAM	25	0	22.22	22.33	22.22	22.19	22.8	2						
10	16QAM	25	12	22.13	22.27	22.22	22.22								
10	16QAM	25	25	22.30	22.23	22.23	22.22								
10	16QAM	50	0	22.27	22.27	22.21	22.15								
10	64QAM	1	0	22.22	22.33	22.27	22.16								
10	64QAM	1	25	22.24	22.33	22.26	22.19	22.8	2						
10	64QAM	1	49	22.17	22.19	22.01	22.07								
10	64QAM	25	0	21.19	21.29	21.24	21.26								
10	64QAM	25	12	21.28	21.32	21.18	21.17								
10	64QAM	25	25	21.21	21.27	21.14	21.21								
10	64QAM	50	0	21.14	21.25	21.23	21.27	21.8	3						
10	256QAM	1	0	18.53	18.07	18.02	18.12								
10	256QAM	1	25	18.10	18.15	19.17	18.16								
10	256QAM	1	49	18.13	18.19	19.07	19.05								
10	256QAM	25	0	18.17	18.24	19.30	18.16								
10	256QAM	25	12	19.23	19.28	19.11	19.08	19.8	5						
10	256QAM	25	25	19.28	19.36	19.17	19.22								
10	256QAM	50	0	19.31	19.35	19.22	19.19								
Channel															
Frequency (MHz)															
5	QPSK	1	0	23.97	24.01	23.96	23.91	24.8	0						
5	QPSK	1	12	23.89	23.91	23.89	23.85								
5	QPSK	1	24	23.90	23.91	23.89	23.85								
5	QPSK	12	0	23.27	23.31	23.34	23.14								
5	QPSK	12	12	23.18	23.21	23.24	23.10								
5	QPSK	25	0	23.30	23.29	23.29	23.14	23.8	1						
5	QPSK	25	0	23.13	23.23	23.22	23.13								
5	16QAM	1	0	23.05	23.09	23.02	23.01								
5	16QAM	1	12	23.02	23.14	23.11	23.14								
5	16QAM	1	24	23.02	23.14	23.11	23.11								
5	16QAM	12	0	22.20	22.23	22.07	22.23	22.8	2						
5	16QAM	12	12	22.13	22.28	22.29	22.29								
5	16QAM	12	24	22.24	22.24	22.22	22.09								
5	16QAM	25	0	22.22	22.22	22.13	22.22								
5	64QAM	1	0	22.23	22.22	22.26	22.15								
5	64QAM	1	12	22.19	22.26	22.20	22.10	22.8	2						
5	64QAM	1	24	22.17	22.27	22.21	22.11								
5	64QAM	12	0	21.30	21.23	21.20	21.17								
5	64QAM	12	7	21.25	21.34	21.20	21.24								
5	64QAM	12	13	21.22	21.25	21.12	21.10								
5	256QAM	1	0	19.10	19.23	19.18	19.13	19.8	5						
5	256QAM	1	0	19.01	19.16	19.03	19.10								
5	256QAM	1	12	19.11	19.20	19.08	19.09								
5	256QAM	1	24	19.06	19.14	19.08	19.13								
5	256QAM	12	0	19.20	19.33	19.22	19.17								
5	256QAM	12	7	19.28	19.27	19.17	19.08	19.8	5						
5	256QAM	12	13	19.15	19.28	19.17	19.19								
5	256QAM	12	25	19.25	19.32	19.17	19.19								

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RFW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mod Ch / Freq	Power High Ch / Freq	Power High Mod Ch / Freq	Tune-up and offset	MPR (dB)					
Channel				5560	56830	56150	56940							
Frequency (MHz)				3560	3609	3641	3690							
20	QPSK	1	0	20.67	20.69	20.52	20.37	21.3	0					
20	QPSK	1	49	20.55	20.61	20.44	20.33							
20	QPSK	1	99	20.65	20.66	20.51	20.36							
20	QPSK	50	0	19.59	19.55	19.54	19.73							
20	QPSK	50	24	19.73	19.68	19.76	19.57	20.3	1					
20	QPSK	50	50	19.81	19.84	19.80	19.62							
20	QPSK	100	0	19.85	19.86	19.81	19.62							
20	16QAM	1	0	19.73	19.74	19.69	19.45							
20	16QAM	1	49	19.63	19.77	19.66	19.53	20.3	1					
20	16QAM	1	99	19.80	19.73	19.66	19.43							
20	16QAM	50	0	18.78	18.86	18.82	18.55							
20	16QAM	50	24	18.78	18.91	18.85	18.56							
20	16QAM	50	50	18.83	18.84	18.81	18.49	19.3	2					
20	16QAM	100	0	18.74	18.87	18.83	18.62							
20	64QAM	1	0	18.74	18.86	18.72	18.52							
20	64QAM	1	49	18.57	18.72	18.59	18.37							
20	64QAM	1	99	18.68	18.72	18.66	18.49	18.3	3					
20	64QAM	50	0	17.78	17.89	17.75	17.58							
20	64QAM	50	24	17.82	17.86	17.71	17.58							
20	64QAM	50	50	17.82	17.84	17.71	17.57							
20	64QAM	100	0	17.75	17.83	17.76	17.60	16.3	5					
20	256QAM	1	0	15.78	15.77	15.68	15.50							
20	256QAM	1	49	15.79	15.63	15.78	15.51							
20	256QAM	1	99	15.63	15.72	15.59	15.42							
20	256QAM	50	0	15.80	15.86	15.76	15.63	16.3	5					
20	256QAM	50	24	15.83	15.92	15.82	15.68							
20	256QAM	50	50	15.83	15.88	15.85	15.64							
20	256QAM	100	0	15.78	15.84	15.69	15.63							
Channel				55315	55820	56180	56685							
Frequency (MHz)				3697.5	3698	3692	3692.5							
15	QPSK	1	0	20.62	20.68	20.48	20.35	21.3	0					
15	QPSK	1	37	20.41	20.56	20.40	20.25							
15	QPSK	1	74	20.53	20.63	20.41	20.31							
15	QPSK	36	0	19.88	19.82	19.81	19.65							
15	QPSK	36	20	19.66	19.76	19.74	19.54	20.3	1					
15	QPSK	36	39	19.72	19.76	19.66	19.47							
15	QPSK	75	0	19.78	19.74	19.79	19.59							
15	16QAM	1	0	19.58	19.71	19.57	19.31							
15	16QAM	1	37	19.50	19.63	19.59	19.40	20.3	1					
15	16QAM	1	74	19.51	19.65	19.62	19.36							
15	16QAM	36	0	18.72	18.78	18.77	18.41							
15	16QAM	36	20	18.71	18.76	18.71	18.54							
15	16QAM	36	39	18.77	18.80	18.78	18.38	19.3	2					
15	16QAM	75	0	18.70	18.76	18.70	18.55							
15	64QAM	1	0	18.69	18.63	18.62	18.49							
15	64QAM	1	37	18.42	18.57	18.45	18.33							
15	64QAM	1	74	18.64	18.68	18.60	18.39	18.3	3					
15	64QAM	36	0	17.61	17.85	17.62	17.55							
15	64QAM	36	20	17.70	17.63	17.67	17.50							
15	64QAM	36	39	17.79	17.71	17.61	17.56							
15	64QAM	75	0	17.71	17.73	17.67	17.54	16.3	5					
15	256QAM	1	0	15.72	15.64	15.53	15.40							
15	256QAM	1	37	15.65	15.82	15.81	15.46							
15	256QAM	1	74	15.64	15.67	15.57	15.39							
15	256QAM	36	0	15.74	15.71	15.73	15.62	16.3	5					
15	256QAM	36	20	15.81	15.78	15.77	15.58							
15	256QAM	36	39	15.71	15.83	15.84	15.56							
15	256QAM	75	0	15.73	15.73	15.57	15.62							
Channel				55290	55815	56185	56690							
Frequency (MHz)				3665	3697.5	3692.5	3692.5							
10	QPSK	1	0	20.65	20.59	20.59	20.26	21.3	0					
10	QPSK	1	25	20.44	20.53	20.37	20.18							
10	QPSK	1	49	20.52	20.56	20.40	20.31							
10	QPSK	25	0	19.87	19.94	19.73	19.58							
10	QPSK	25	12	19.67	19.78	19.61	19.45	20.3	1					
10	QPSK	25	25	19.75	19.71	19.78	19.51							
10	QPSK	50	0	19.81	19.73	19.80	19.52							
10	16QAM	1	0	19.84	19.69	19.63	19.30							
10	16QAM	1	25	19.49	19.75	19.58	19.45	20.3	1					
10	16QAM	1	49	19.55	19.67	19.57	19.34							
10	16QAM	25	0	18.72	18.78	18.81	18.43							
10	16QAM	25	12	18.69	18.82	18.78	18.46							
10	16QAM	25	25	18.69	18.69	18.66	18.36	19.3	2					
10	16QAM	50	0	18.72	18.81	18.82	18.54							
10	64QAM	1	0	18.70	18.72	18.62	18.37							
10	64QAM	1	25	18.66	18.71	18.66	18.27							
10	64QAM	1	49	18.87	18.70	18.62	18.45	18.3	3					
10	64QAM	25	0	17.74	17.83	17.73	17.52							
10	64QAM	25	12	17.81	17.77	17.59	17.56							
10	64QAM	25	25	17.79	17.77	17.66	17.46							
10	64QAM	50	0	17.70	17.77	17.73	17.54	16.3	5					
10	256QAM	1	0	15.67	15.68	15.53	15.45							
10	256QAM	1	25	15.84	15.73	15.61	15.50							
10	256QAM	1	49	15.83	15.61	15.51	15.30							
10	256QAM	25	0	15.86	15.83	15.74	15.57	16.3	5					
10	256QAM	25	12	15.81	15.84	15.67	15.65							
10	256QAM	25	25	15.69	15.76	15.81	15.60							
10	256QAM	50	0	15.67	15.80	15.55	15.61							
Channel				55005	55010	55015	55015							
Frequency (MHz)				3692.5	3697	3693	3697.5							
5	QPSK	1	0	20.08	20.65	20.41	20.26	21.3	0					
5	QPSK	1	12	20.54	20.57	20.30	20.22							
5	QPSK	1	24	20.50	20.53	20.43	20.29							
5	QPSK	12	0	19.78	19.93	19.77	19.62							
5	QPSK	12	7	19.71	19.86	19.68	19.52	20.3	1					
5	QPSK	12	13	19.80	19.83	19.75	19.60							
5	QPSK	25	0	19.79	19.78	19.77	19.57							
5	16QAM	1	0	19.71	19.59	19.54	19.30							
5	16QAM	1	12	19.62	19.76	19.59	19.43	20.3	1					
5	16QAM	1	24	19.55	19.69	19.51	19.33							
5	16QAM	12	0	18.76	18.76	18.67	18.47							
5	16QAM	12	7	18.66	18.86	18.72	18.44	19.3	2					
5	16QAM	12	13	18.67	18.81	18.84	18.43							
5	16QAM	25	0	18.72	18.74	18.76	18.55							
5	16QAM	25	0	18.61	18.76	18.69	18.37							
5	64QAM	1	12	18.48	18.63	18.55	18.33	18.3	3					
5	64QAM	1	24	18.59	18.60	18.59	18.38							
5	64QAM	12	0	17.68	17.87	17.61	17.46							
5	64QAM	12	7	17.60	17.84	17.62	17.46							
5	64QAM	12	13	17.76	17.72	17.65	17.48	16.3	5					
5	64QAM	25	0	17.74	17.78	17.62	17.52							
5	256QAM	1	0	15.84	15.68	15.68	15.45							
5	256QAM	1	12	15.69	15.80	15.67	15.50							
5	256QAM	1	24	15.60	15.62	15.55	15.37	16.3	5					
5	256QAM	12	0	15.77	15.82	15.75	15.49							
5	256QAM	12	7	15.68	15.79	15.81	15.61							
5	256QAM	12	13	15.77	15.76	15.73	15.60							

Reduced Power Mode for DSI 5

GSM900_Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		824.2	836.4	848.8	Limit (dBm)		824.2	836.4	848.8	Limit (dBm)	
DTM Multi-slot class 5	GSM 1 Tx slot	32.03	32.06	32.05	33.00		23.03	23.06	23.05	24.00	
	GPRS 1 Tx slot	31.99	32.02	31.99	33.00		22.99	23.02	22.99	24.00	
	GPRS 2 Tx slots	29.70	28.95	29.14	30.00		23.70	22.85	23.14	24.00	
	GPRS 3 Tx slots	27.26	26.43	26.61	28.20		21.60	22.17	22.35	23.84	
DTM Multi-slot class 9	GPRS 4 Tx slots	25.84	25.90	25.95	27.50		22.84	22.90	22.95	24.50	
	EDGE(GMSK 1 Tx slot)	31.99	32.06	31.99	33.00		22.99	23.06	22.99	24.00	
	EDGE(GMSK 2 Tx slot)	29.73	29.94	29.18	30.00		23.73	23.04	23.18	24.00	
	EDGE(GMSK 3 Tx slot)	27.23	26.48	26.63	28.20		22.97	22.22	22.37	23.84	
DTM Multi-slot class 11	EDGE(GMSK 4 Tx slot)	25.84	25.83	25.90	27.50		22.84	22.83	22.90	24.50	
	EDGE 1 Tx slot	27.20	27.05	27.08	28.00		18.20	18.05	18.08	19.00	
	EDGE 2 Tx slots	24.10	24.11	23.71	25.00		18.10	18.11	17.71	19.00	
	EDGE 3 Tx slots	22.57	22.24	21.94	23.50		18.31	17.98	17.68	19.24	
DTM Multi-slot class 5	EDGE 4 Tx slots	21.46	21.17	20.62	22.50		18.46	18.17	17.62	19.50	
	GSM 1 Tx slot	29.62	29.86	29.06	30.00		23.57	22.81	23.05	23.98	
	GPRS 1 Tx slot	29.56	28.81	29.08	30.00						
	GPRS 2 Tx slots	29.60	28.86	29.02	30.00		23.62	22.86	23.03	23.98	
DTM Multi-slot class 9	GPRS 3 Tx slots	29.69	28.94	29.09	30.00						
	GSM 1 Tx slot	27.12	26.33	26.53	28.20		22.95	22.12	22.27	23.84	
	GPRS 1 Tx slot	27.25	26.40	26.53	28.20						
	GPRS 2 Tx slots	29.62	28.82	29.11	30.00		21.84	21.05	21.16	22.16	
DTM Multi-slot class 11	EDGE 1 Tx slot	24.01	24.09	23.64	25.00						
	GSM 1 Tx slot	29.55	28.89	29.06	30.00		21.61	21.08	21.13	22.16	
	EDGE 1 Tx slot	24.09	24.00	23.64	25.00						
	GSM 1 Tx slot	27.16	26.37	26.46	28.20		20.39	19.76	19.74	21.42	
DTM Multi-slot class 5	EDGE 2 Tx slots	22.49	22.09	21.92	23.50						
	EDGE 3 Tx slots										
	EDGE 4 Tx slots										
	EDGE 5 Tx slots										

GSM1800_Ant 7		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1800.2	1800	1800.8	Limit (dBm)		1800.2	1800	1800.8	Limit (dBm)	
DTM Multi-slot class 5	GSM 1 Tx slot	27.04	27.33	27.16	27.60		18.04	18.33	18.16	18.60	
	GPRS 1 Tx slot	26.98	27.32	27.12	27.60		17.98	18.32	18.12	18.60	
	GPRS 2 Tx slots	23.89	24.09	23.96	24.60		17.89	18.09	17.96	18.60	
	GPRS 3 Tx slots	22.18	22.32	22.28	22.80		17.92	18.06	18.02	18.54	
DTM Multi-slot class 9	GPRS 4 Tx slots	20.71	21.28	20.86	21.60		17.79	18.26	17.86	18.60	
	EDGE(GMSK 1 Tx slot)	26.96	27.26	27.08	27.60		17.96	18.26	18.08	18.60	
	EDGE(GMSK 2 Tx slot)	23.84	23.96	23.93	24.60		17.84	17.96	17.93	18.60	
	EDGE(GMSK 3 Tx slot)	21.93	22.27	22.19	22.80		17.67	18.01	17.93	18.54	
DTM Multi-slot class 11	EDGE(GMSK 4 Tx slot)	20.67	21.17	20.73	21.60		17.67	18.17	17.73	18.60	
	EDGE 1 Tx slot	23.24	23.42	23.20	23.50		16.24	16.42	16.20	16.50	
	EDGE 2 Tx slots	22.48	22.85	22.52	23.50		16.48	16.85	16.52	17.00	
	EDGE 3 Tx slots	21.11	21.43	21.23	22.00		16.85	17.17	16.97	17.74	
DTM Multi-slot class 5	EDGE 4 Tx slots	20.38	20.65	20.42	21.00		17.38	17.65	17.42	18.00	
	GSM 1 Tx slot	23.88	23.96	23.84	24.60		17.80	17.94	17.87	18.58	
	GPRS 1 Tx slot	23.77	23.96	23.94	24.60						
	GPRS 2 Tx slots	23.85	23.98	23.82	24.60		17.83	17.99	17.86	18.58	
DTM Multi-slot class 9	GPRS 3 Tx slots	23.86	24.04	23.94	24.60						
	GSM 1 Tx slot	22.05	22.19	22.27	22.80		17.82	18.00	17.97	18.58	
	GPRS 1 Tx slot	22.10	22.29	22.21	22.80						
	GPRS 2 Tx slots	23.80	24.00	23.82	24.60		17.14	17.42	17.19	18.06	
DTM Multi-slot class 11	EDGE 1 Tx slot	22.40	22.79	22.51	23.50						
	GSM 1 Tx slot	23.76	23.97	23.88	24.60		17.10	17.41	17.21	18.06	
	EDGE 1 Tx slot	22.36	22.81	22.46	23.50						
	EDGE 2 Tx slots	22.17	22.22	22.16	22.80		17.14	17.42	17.24	18.02	
DTM Multi-slot class 5	EDGE 3 Tx slots	20.98	21.38	21.13	22.00						
	EDGE 4 Tx slots										
	EDGE 5 Tx slots										
	EDGE 6 Tx slots										

Band		WCDMA II_Ant 7			Tune-up		WCDMA II_Ant 6			Tune-up	
TX Channel		9262	9400	9538	Limit		9262	9400	9538	Limit	
Frequency (MHz)		1802.4	1800	1807.6	Limit (dBm)		1802.4	1800	1807.6	Limit (dBm)	
3GPP Rel 99	AMR 12.2Kbps	17.62	17.53	17.49	18.00		17.62	17.53	17.49	18.00	
	RMC 12.2Kbps	17.55	17.56	17.50	18.00		17.55	17.56	17.50	18.00	
	HS-PA Subtest-1	16.55	16.59	16.50	16.30		16.34	16.31	16.21	17.10	
	HS-PA Subtest-2	16.53	16.54	16.48	16.30		16.31	16.29	16.22	17.10	
3GPP Rel 6	HS-PA Subtest-3	16.05	16.03	15.98	17.80		15.80	15.82	15.75	16.60	
	HS-PA Subtest-4	16.07	16.02	15.95	17.80		15.82	15.84	15.68	16.60	
	DC-HS-PA Subtest-1	16.44	16.50	16.45	18.30		16.25	16.24	16.19	17.10	
	DC-HS-PA Subtest-2	16.46	16.43	16.41	18.30		16.17	16.18	16.18	17.10	
3GPP Rel 8	DC-HS-PA Subtest-3	15.97	15.97	15.91	17.60		15.71	15.70	15.67	16.60	
	DC-HS-PA Subtest-4	15.97	15.89	15.80	17.60		15.69	15.70	15.57	16.60	
	HS-PA Subtest-1	16.39	16.55	16.43	18.30		16.29	16.31	16.23	17.10	
	HS-PA Subtest-2	14.50	14.59	14.50	16.30		14.32	14.30	14.24	15.10	
3GPP Rel 6	HS-PA Subtest-3	15.53	15.58	15.49	17.30		15.28	15.28	15.18	16.10	
	HS-PA Subtest-4	14.59	14.58	14.47	16.30		14.35	14.30	14.18	15.10	
	HS-PA Subtest-5	16.50	16.60	16.50	18.30		16.30	16.40	16.30	17.10	
	HS-PA+ (16QAM) Subtest-1	14.41	14.50	14.39	16.30		14.19	14.21	14.11	15.10	

Band		WCDMA V_Ant 0			Tune-up		WCDMA V_Ant 1			Tune-up	
TX Channel		4132	4162	4233	Limit		4132	4162	4233	Limit	
Frequency (MHz)		4357	4407	4458	Limit (dBm)		4357	4407	4458	Limit (dBm)	
3GPP Rel 99	AMR 12.2Kbps	23.43	23.37	23.21	24.10		24.15	24.11	24.00	24.80	
	RMC 12.2Kbps	23.46	23.49	23.33	24.60		24.23	24.27	24.08	24.80	
	HS-PA Subtest-1	22.49	22.46	22.32	23.60		23.31	23.33	23.21	23.80	
	HS-PA Subtest-2	22.50	22.45	22.32	23.60		23.39	23.36	23.20	23.80	
3GPP Rel 6	HS-PA Subtest-3	22.02	21.98	21.83	23.10		22.89	22.87	22.70	23.30	
	HS-PA Subtest-4	22.01	21.96	21.84	23.10		22.88	22.88	22.70	23.30	
	DC-HS-PA Subtest-1	22.37	22.34	22.27	23.60		23.19	23.31	23.19	23.80	
	DC-HS-PA Subtest-2	22.46	22.36	22.26	23.60		23.17	23.28	23.24	23.80	
3GPP Rel 8	DC-HS-PA Subtest-3	22.01	21.90	21.71	23.10		22.74	22.78	22.76	23.30	
	DC-HS-PA Subtest-4	21.93	21.90	21.77	23.10		22.71	22.72	22.70	23.30	
	HS-PA Subtest-1	22.53	22.49	22.34	23.60		23.26	23.34	23.28	23.80	
	HS-PA Subtest-2	20.39	20.40	20.28	21.60		21.31	21.33	21.23	21.80	
3GPP Rel 6	HS-PA Subtest-3	21.45	21.48	21.31	22.60		22.28	22.33	22.10	22.80	
	HS-PA Subtest-4	20.50	20.48	20.28	21.60		21.21	21.32	21.18	21.80	
	HS-PA Subtest-5	22.50	22.50	22.30	23.60		23.40	23.40	23.20	23.80	
	HS-PA+ (16QAM) Subtest-1	20.53	20.54	20.44	21.60		21.46	21.49	21.34	21.80	

GSM1900_Ant 6		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit	512	661	810	Limit	512	Limit
Frequency (MHz)		1800.2	1800	1809.8	(dBm)	1800.2	1800	1809.8		1800.2	(dBm)
GSM 1 Tx slot		26.07	26.22	26.26	26.00	17.09	17.22	17.21	17.00	17.09	17.00
GPRS 1 Tx slot		26.05	26.16	26.11	26.00	17.05	17.18	17.17	17.00	17.05	17.00
EDGE (GMSK 2 Tx slot)		23.18	23.29	23.35	23.00	17.18	17.29	17.31	17.00	17.18	17.00
GPRS 3 Tx slot		21.49	21.85	21.56	21.00	17.23	17.59	17.30	17.00	17.23	17.00
GPRS 4 Tx slot		19.82	19.84	18.80	20.00	16.82	16.84	15.80	17.00	16.82	17.00
EDGE(GMSK 1 Tx slot)		20.68	20.26	20.26	20.00	17.08	17.29	17.29	17.00	17.08	17.00
EDGE(GMSK 2 Tx slot)		21.18	23.32	23.16	23.00	17.18	17.32	17.18	17.00	17.18	17.00
EDGE(GMSK 3 Tx slot)		21.47	21.88	21.56	21.00	17.21	17.63	17.30	17.00	17.21	17.00
EDGE(GMSK 4 Tx slot)		19.60	19.72	19.61	20.00	16.93	16.72	16.91	17.00	16.93	17.00
EDGE 1 Tx slot		20.68	20.82	20.75	20.00	17.08	17.29	17.29	17.00	17.08	17.00
EDGE 2 Tx slot		23.22	23.23	23.16	23.00	17.22	17.23	17.16	17.00	17.22	17.00
EDGE 3 Tx slot		21.85	21.77	21.78	21.00	17.59	17.51	17.52	17.00	17.59	17.00
EDGE 4 Tx slot		20.40	20.39	20.35	20.00	17.40	17.39	17.35	17.00	17.40	17.00
DTM Multi-slot class 9		23.17	23.17	23.11	23.00	17.10	17.17	17.04	17.00	17.10	17.00
GSM 1 Tx slot		23.08	23.21	23.01	23.00						
GSM 1 Tx slot		23.10	23.28	23.04	23.00						
GPRS 1 Tx slot		23.13	23.19	23.02	23.00	17.09	17.21	17.01	17.00	17.09	17.00
GSM 1 Tx slot		21.45	21.70	21.53	21.00	17.18	17.44	17.26	17.00	17.18	17.00
GPRS 1 Tx slot		21.44	21.37	21.31	21.00						
GSM 1 Tx slot		23.05	23.25	23.08	23.00						
EDGE 1 Tx slot		23.13	23.15	23.11	23.00	17.07	17.18	17.06	17.00	17.07	17.00
GSM 1 Tx slot		23.03	23.28	23.08	23.00	17.05	17.17	17.06	17.00	17.05	17.00
EDGE 1 Tx slot		23.11	23.10	23.08	23.00						
GSM 1 Tx slot		21.48	21.17	21.52	21.00	17.46	17.48	17.41	17.00	17.46	17.00
GSM 1 Tx slot		21.83	21.69	21.74	21.00						

Band 2_Ant 6										
RF (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mode Ch / Freq	Turn-on time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	0	17.40	17.39	17.39				
30	QPSK	1	40	17.34	17.30	17.26	17.8	0		
30	QPSK	1	80	17.40	17.36	17.32				
30	QPSK	50	0	17.41	17.44	17.43				
30	QPSK	50	24	17.33	17.29	17.28	17.8	0		
30	QPSK	50	48	17.37	17.43	17.36				
30	16QAM	1	0	17.44	17.44	17.35	17.8	0		
30	16QAM	1	40	17.41	17.36	17.38				
30	16QAM	1	80	17.42	17.37	17.34				
30	16QAM	50	0	17.37	17.37	17.35				
30	16QAM	50	24	17.37	17.40	17.36	17.8	0		
30	16QAM	50	48	17.38	17.43	17.38				
30	16QAM	100	0	17.38	17.43	17.37				
30	16QAM	1	40	17.42	17.37	17.35	17.8	0		
30	16QAM	1	80	17.38	17.34	17.36				
30	16QAM	50	0	17.46	17.41	17.37				
30	16QAM	50	24	17.44	17.37	17.35	17.8	0		
30	16QAM	50	48	17.40	17.40	17.36				
30	16QAM	100	0	17.40	17.43	17.38				
30	256QAM	1	0	17.42	17.39	17.37	17.8	0		
30	256QAM	1	40	17.38	17.36	17.35				
30	256QAM	1	80	17.38	17.34	17.39	17.8	0		
30	256QAM	50	0	17.40	17.40	17.35				
30	256QAM	50	24	17.37	17.41	17.36	17.8	0		
30	256QAM	50	48	17.41	17.33	17.38				
30	256QAM	100	0	17.41	17.39	17.35				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.40	17.39	17.39				
15	QPSK	1	37	17.40	17.32	17.36	17.8	0		
15	QPSK	1	72	17.40	17.32	17.36				
15	QPSK	36	0	17.42	17.41	17.34				
15	QPSK	36	20	17.40	17.43	17.39	17.8	0		
15	QPSK	36	40	17.43	17.40	17.38				
15	16QAM	1	0	17.37	17.44	17.36	17.8	0		
15	16QAM	1	24	17.41	17.33	17.37				
15	16QAM	1	74	17.47	17.31	17.37				
15	16QAM	36	0	17.46	17.43	17.36	17.8	0		
15	16QAM	36	20	17.38	17.32	17.31				
15	16QAM	36	40	17.43	17.41	17.32				
15	16QAM	72	0	17.47	17.42	17.35				
15	16QAM	72	20	17.48	17.44	17.37	17.8	0		
15	16QAM	72	40	17.41	17.39	17.34				
15	16QAM	144	0	17.47	17.41	17.36				
15	16QAM	36	20	17.47	17.34	17.37	17.8	0		
15	16QAM	36	40	17.46	17.44	17.36				
15	256QAM	1	0	17.42	17.39	17.36	17.8	0		
15	256QAM	1	40	17.40	17.42	17.38				
15	256QAM	1	80	17.38	17.35	17.39	17.8	0		
15	256QAM	36	0	17.40	17.40	17.35				
15	256QAM	36	20	17.37	17.43	17.36	17.8	0		
15	256QAM	36	40	17.41	17.33	17.38				
15	256QAM	72	0	17.40	17.38	17.32				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.35	17.38	17.30				
10	QPSK	1	25	17.40	17.41	17.30	17.8	0		
10	QPSK	1	50	17.38	17.36	17.34				
10	QPSK	25	0	17.48	17.42	17.34				
10	QPSK	25	12	17.47	17.33	17.27	17.8	0		
10	QPSK	25	25	17.38	17.36	17.34				
10	16QAM	1	0	17.44	17.38	17.35				
10	16QAM	1	25	17.48	17.41	17.34	17.8	0		
10	16QAM	1	49	17.48	17.39	17.38				
10	16QAM	25	0	17.46	17.41	17.28	17.8	0		
10	16QAM	25	12	17.41	17.32	17.34				
10	16QAM	25	25	17.48	17.37	17.30				
10	16QAM	50	0	17.39	17.40	17.34	17.8	0		
10	16QAM	50	12	17.44	17.40	17.28				
10	16QAM	1	40	17.45	17.35	17.38	17.8	0		
10	16QAM	1	49	17.39	17.44	17.34				
10	16QAM	25	0	17.46	17.40	17.28				
10	16QAM	25	12	17.37	17.39	17.26	17.8	0		
10	16QAM	25	25	17.34	17.43	17.27				
10	16QAM	50	0	17.39	17.38	17.28				
10	256QAM	1	0	17.45	17.39	17.33	17.8	0		
10	256QAM	1	25	17.41	17.36	17.37				
10	256QAM	1	49	17.43	17.43	17.38	17.8	0		
10	256QAM	25	0	17.35	17.42	17.28				
10	256QAM	25	12	17.47	17.34	17.31	17.8	0		
10	256QAM	25	25	17.47	17.34	17.31				
10	256QAM	50	0	17.46	17.38	17.32				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.46	17.39	17.30				
5	QPSK	1	12	17.40	17.40	17.37	17.8	0		
5	QPSK	1	25	17.38	17.31	17.35				
5	QPSK	12	0	17.41	17.44	17.38				
5	QPSK	12	7	17.36	17.37	17.37	17.8	0		
5	QPSK	12	14	17.48	17.38	17.32				
5	QPSK	25	0	17.46	17.44	17.33				
5	16QAM	1	0	17.37	17.42	17.37	17.8	0		
5	16QAM	1	12	17.47	17.32	17.36				
5	16QAM	1	24	17.48	17.39	17.29				
5	16QAM	12	0	17.34	17.32	17.29	17.8	0		
5	16QAM	12	7	17.40	17.40	17.36				
5	16QAM	12	14	17.43	17.34	17.25				
5	16QAM	25	0	17.43	17.41	17.36	17.8	0		
5	16QAM	25	7	17.36	17.42	17.28				
5	16QAM	1	12	17.43	17.33	17.31	17.8	0		
5	16QAM	1	24	17.36	17.40	17.25				
5	16QAM	12	0	17.36	17.41	17.27	17.8	0		
5	16QAM	12	7	17.47	17.39	17.31				
5	16QAM	12	14	17.47	17.39	17.29	17.8	0		
5	16QAM	25	0	17.37	17.42	17.36				
5	16QAM	25	7	17.41	17.43	17.38	17.8	0		
5	256QAM	1	0	17.39	17.39	17.25				
5	256QAM	1	12	17.46	17.35	17.31	17.8	0		
5	256QAM	1	24	17.46	17.35	17.25				
5	256QAM	12	0	17.40	17.41	17.34				
5	256QAM	12	7	17.48	17.39	17.32	17.8	0		
5	256QAM	12	14	17.48	17.36	17.25				
5	256QAM	25	0	17.48	17.32	17.28				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.36	17.44	17.26				
1.4	QPSK	1	8	17.48	17.37	17.38	17.8	0		
1.4	QPSK	1	16	17.36	17.37	17.34				
1.4	QPSK	8	0	17.46	17.42	17.35				
1.4	QPSK	8	4	17.41	17.44	17.35	17.8	0		
1.4	QPSK	8	8	17.44	17.32	17.32				
1.4	QPSK	16	0	17.45	17.41	17.38				
1.4	16QAM	1	0	17.39	17.41	17.34	17.8	0		
1.4	16QAM	1	8	17.46	17.35	17.38				
1.4	16QAM	1	16	17.46	17.34	17.35				
1.4	16QAM	8	0	17.41	17.39	17.28	17.8	0		
1.4	16QAM	8	4	17.38	17.34	17.37				
1.4	16QAM	8	8	17.40	17.34	17.35				
1.4	16QAM	16	0	17.43	17.32	17.30	17.8	0		
1.4	16QAM	16	8	17.47	17.44	17.38				
1.4	16QAM	16	16	17.44	17.32	17.31				
1.4	16QAM	32	0	17.46	17.34	17.31	17.8	0		
1.4	16QAM	32	8	17.41	17.44	17.35				
1.4	16QAM	32	16	17.46	17.38	17.36				
1.4	16QAM	64	0	17.47	17.34	17.31	17.8	0		
1.4	16QAM	64	8	17.46	17.44	17.35				
1.4	16QAM	64	16	17.48	17.38	17.36				
1.4	16QAM	128	0	17.47	17.32	17.32	17.8	0		
1.4	16QAM	128	8	17.46	17.44	17.35				
1.4	16QAM	128	16	17.48	17.4	17.35				
1.4	16QAM	256	0	17.47	17.34	17.33	17.8	0		
1.4	16QAM	256	8	17.46	17.44	17.35				
1.4	16QAM	256	16	17.48	17.38	17.36				
1.4	16QAM	512	0	17.47	17.32	17.32	17.8	0		
1.4	16QAM	512	8	17.46	17.44	17.35				
1.4	16QAM	512	16	17.48	17.38	17.36				
1.4	16QAM	1024	0	17.47	17.3	17.3	17.8	0		
1.4	16QAM	1024	8	17.46	17.44	17.35				
1.4	16QAM	1024	16	17.48	17.38	17.36				

Band 4_Ant 6

RF

Modulation

RB

Sub

Power

Power

Power

Turnup

MFR

Channel

Ch / Freq

Ch / Freq

Ch / Freq

(dBm)

(dB)

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QPSK

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QPSK

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Band 5_Ant 1																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dBm)	MFR (dB)								
Channel																
Frequency (MHz)																
10	QPSK	1	0	24.32	24.33	24.27			25	0	23	0				
10	QPSK	1	25	24.24	24.25	24.19										
10	QPSK	1	49	24.32	24.32	24.33										
10	QPSK	25	0	23.15	23.24	23.17							24	1	24	1
10	QPSK	25	12	23.15	23.26	23.18										
10	QPSK	25	25	23.15	23.25	23.18										
10	QPSK	50	0	23.18	23.25	23.13										
10	QPSK	1	5	23.73	23.75	23.73			24	1	24	1				
10	QPSK	1	25	23.62	23.61	23.63										
10	QPSK	1	49	23.61	23.61	23.61										
10	QPSK	25	0	23.59	23.63	23.62							23	2	23	2
10	QPSK	25	12	23.57	23.62	23.58										
10	QPSK	25	25	23.57	23.62	23.57										
10	QPSK	50	0	23.59	23.59	23.57			23	2	23	2				
10	QPSK	50	0	22.24	22.27	22.25										
10	QPSK	1	5	22.62	22.77	22.72			23	2	23	2				
10	QPSK	1	25	22.77	22.80	22.75										
10	QPSK	1	49	22.69	22.83	22.77			22	3	22	3				
10	QPSK	25	0	21.61	21.70	21.67										
10	QPSK	25	12	21.60	21.71	21.66			20	5	19	5				
10	QPSK	25	25	21.57	21.68	21.65										
10	QPSK	50	0	19.78	19.81	19.80			20	5	19	5				
10	QPSK	50	0	19.62	19.63	19.68										
10	QPSK	1	49	19.64	19.63	19.67			20	5	19	5				
10	QPSK	25	0	19.73	19.74	19.72										
10	QPSK	25	12	19.71	19.76	19.77			20	5	19	5				
10	QPSK	25	25	19.71	19.76	19.77										
10	QPSK	50	0	19.54	19.68	19.61			20	5	19	5				
10	QPSK	50	0	19.42	19.61	19.55										
Channel																
Frequency (MHz)																
5	QPSK	1	0	24.19	24.20	24.12			25	0	24	0				
5	QPSK	1	12	24.20	24.17	24.07										
5	QPSK	1	24	24.11	24.22	24.10			24	1	24	1				
5	QPSK	12	0	23.04	23.22	23.10										
5	QPSK	12	7	23.08	23.26	23.07			23	2	23	2				
5	QPSK	12	13	23.05	23.25	23.15										
5	QPSK	25	0	23.08	23.17	23.03			24	1	24	1				
5	QPSK	1	5	23.70	23.70	23.67										
5	QPSK	1	24	23.61	23.68	23.61			23	2	23	2				
5	QPSK	12	0	23.62	23.62	23.59										
5	QPSK	12	7	23.59	23.59	23.56			23	2	23	2				
5	QPSK	12	13	23.58	23.58	23.54										
5	QPSK	25	0	22.15	22.21	22.13			22	3	22	3				
5	QPSK	25	0	22.15	22.29	22.15										
5	QPSK	1	5	21.47	21.59	21.54			22	3	22	3				
5	QPSK	12	7	21.47	21.70	21.51										
5	QPSK	12	13	21.46	21.70	21.51			20	5	19	5				
5	QPSK	25	0	19.60	19.68	19.61										
5	QPSK	1	5	19.72	19.74	19.74			20	5	19	5				
5	QPSK	1	24	19.67	19.65	19.67										
5	QPSK	12	0	19.72	19.74	19.68			20	5	19	5				
5	QPSK	12	7	19.69	19.67	19.74										
5	QPSK	12	13	19.68	19.70	19.74			20	5	19	5				
5	QPSK	25	0	19.48	19.62	19.50										
Channel																
Frequency (MHz)																
3	QPSK	1	0	24.20	24.20	24.12			25	0	24	0				
3	QPSK	1	8	24.18	24.18	24.10										
3	QPSK	1	14	24.11	24.22	24.10			24	1	24	1				
3	QPSK	8	0	23.04	23.23	23.04										
3	QPSK	8	4	23.14	23.25	23.09			23	2	23	2				
3	QPSK	8	12	23.05	23.25	23.15										
3	QPSK	15	0	23.12	23.15	23.09			24	1	24	1				
3	QPSK	1	5	23.64	23.66	23.65										
3	QPSK	1	24	23.57	23.67	23.57			23	2	23	2				
3	QPSK	14	0	23.57	23.67	23.49										
3	QPSK	8	0	22.36	22.39	22.25			23	2	23	2				
3	QPSK	8	4	22.14	22.24	22.11										
3	QPSK	8	7	22.29	22.37	22.13			22	3	22	3				
3	QPSK	15	0	22.15	22.29	22.15										
3	QPSK	1	5	21.50	21.65	21.59			22	3	22	3				
3	QPSK	8	0	22.72	22.79	22.67										
3	QPSK	1	5	22.36	22.60	22.66			20	5	19	5				
3	QPSK	8	0	21.58	21.65	21.58										
3	QPSK	8	4	21.57	21.64	21.43			20	5	19	5				
3	QPSK	15	0	21.45	21.60	21.47										
3	QPSK	1	5	21.50	21.65	21.59			20	5	19	5				
3	QPSK	8	0	19.60	19.61	19.61										
3	QPSK	8	7	19.63	19.69	19.75			20	5	19	5				
3	QPSK	15	0	19.47	19.55	19.49										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	24.25	24.23	24.20			25	0	24	0				
1.4	QPSK	1	3	24.23	24.18	24.10										
1.4	QPSK	1	6	24.20	24.22	24.15			24	1	24	1				
1.4	QPSK	3	0	24.21	24.14	24.09										
1.4	QPSK	3	1	24.08	24.13	24.17			24	1	24	1				
1.4	QPSK	3	3	24.03	24.09	24.01										
1.4	QPSK	6	0	23.09	23.13	23.09			24	1	24	1				
1.4	QPSK	1	5	23.72	23.75	23.72										
1.4	QPSK	1	24	23.60	23.62	23.58			23	2	23	2				
1.4	QPSK	12	0	23.60	23.62	23.58										
1.4	QPSK	12	7	23.59	23.52	23.56			23	2	23	2				
1.4	QPSK	12	13	23.57	23.52	23.41										
1.4	QPSK	25	0	22.22	22.25	22.20			23	2	23	2				
1.4	QPSK	25	0	22.22	22.62	22.62										
1.4	QPSK	1	5	22.60	22.75	22.55			23	2	23	2				
1.4	QPSK	1	5	22.63	22.75	22.75										
1.4	QPSK	3	0	22.47	22.47	22.34			23	2	23	2				
1.4	QPSK	3	1	22.50	22.73	22.72										
1.4	QPSK	3	3	22.50	22.62	22.65			22	3	22	3				
1.4	QPSK	6	0	21.44	21.61	21.61										
1.4	QPSK	6	1	21.46	21.78	21.78			20	5	19	5				
1.4	QPSK	12	0	19.74	19.80	19.87										
1.4	QPSK	1	5	19.42	19.54	19.52			20	5	19	5				
1.4	QPSK	1	24	19.65	19.65	19.65										
1.4	QPSK	3	0	19.56	19.70	19.68			20	5	19	5				
1.4	QPSK	3	1	19.69	19.77	19.68										
1.4	QPSK	6	0	19.64	19.64	19.64			20	5	19	5				
1.4	QPSK	6	1	19.78	19.78	19.78										

Band 7_Ant 5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int./sec)	MFR (dB)				
Channel												
Frequency (MHz)				20850	21100	21350						
20	QPSK	1	0	20.70	20.73	20.66						
20	QPSK	1	48	20.64	20.83	20.62	21.4	0				
20	QPSK	1	96	20.66	20.74	20.62						
20	QPSK	50	0	20.67	20.77	20.62						
20	QPSK	50	24	20.57	20.74	20.62	21.4	0				
20	QPSK	50	50	20.66	20.72	20.63						
20	HQAM	1	0	20.74	20.62	20.64	21.4	0				
20	HQAM	1	48	20.73	20.62	20.65						
20	HQAM	1	96	20.71	20.73	20.61						
20	HQAM	50	0	20.63	20.73	20.61						
20	HQAM	50	24	20.73	20.80	20.68	21.4	0				
20	HQAM	50	50	20.64	20.71	20.59						
20	HQAM	100	0	20.66	20.76	20.59						
20	HQAM	1	0	20.70	20.73	20.62	21.4	0				
20	HQAM	1	48	20.70	20.70	20.74						
20	HQAM	1	96	20.68	20.80	20.73						
20	HQAM	50	0	20.50	20.59	20.51	21.4	0				
20	HQAM	50	24	20.57	20.50	20.58						
20	HQAM	50	50	20.72	20.71	20.58						
20	HQAM	100	0	20.57	20.72	20.59						
20	SSBDM	1	0	18.50	18.50	18.50						
20	SSBDM	1	48	18.76	18.62	18.85	19.4	2				
20	SSBDM	1	96	18.70	18.63	18.84						
20	SSBDM	50	0	18.71	18.61	18.77						
20	SSBDM	50	24	18.64	18.70	18.75	19.4	2				
20	SSBDM	50	50	18.66	18.64	18.76						
20	SSBDM	100	0	18.62	18.74	18.71						
Channel												
Frequency (MHz)				2102.5	2133.5	2167.5	Timeuse (int./sec)	MFR (dB)				
15	QPSK	1	0	20.74	20.70	20.60						
15	QPSK	1	37	20.63	20.75	20.48	21.4	0				
15	QPSK	1	74	20.52	20.61	20.51						
15	QPSK	36	0	20.48	20.71	20.61	21.4	0				
15	QPSK	36	20	20.62	20.74	20.59						
15	QPSK	75	0	20.60	20.65	20.54						
15	HQAM	1	0	20.72	20.68	20.53	21.4	0				
15	HQAM	1	37	20.62	20.73	20.64						
15	HQAM	1	74	20.64	20.60	20.54						
15	HQAM	36	0	20.53	20.63	20.48	21.4	0				
15	HQAM	36	20	20.67	20.74	20.59						
15	HQAM	36	36	20.54	20.66	20.46						
15	HQAM	75	0	20.65	20.61	20.56						
15	HQAM	1	0	20.62	20.72	20.59						
15	HQAM	1	37	20.50	20.56	20.57	21.4	0				
15	HQAM	1	74	20.47	20.70	20.62						
15	HQAM	36	0	20.41	20.55	20.44						
15	HQAM	36	20	20.47	20.70	20.54	21.4	0				
15	HQAM	36	36	20.54	20.66	20.54						
15	HQAM	75	0	20.55	20.58	20.54						
15	HQAM	36	0	20.55	20.72	20.59						
15	HQAM	1	37	20.43	20.53	20.46	21.4	0				
15	HQAM	1	74	20.46	20.70	20.62						
15	HQAM	36	0	20.41	20.55	20.44						
15	HQAM	36	20	20.47	20.70	20.54	21.4	0				
15	HQAM	36	36	20.54	20.66	20.54						
15	HQAM	75	0	20.55	20.58	20.54						
15	SSBDM	1	0	18.62	18.63	18.76	19.4	2				
15	SSBDM	1	37	18.67	18.60	18.82						
15	SSBDM	1	74	18.71	18.71	18.80						
15	SSBDM	36	0	18.60	18.71	18.70						
15	SSBDM	36	20	18.70	18.70	18.75	19.4	2				
15	SSBDM	36	36	18.70	18.71	18.75						
15	SSBDM	75	0	18.58	18.68	18.69						
Channel												
Frequency (MHz)				20850	21100	21400	Timeuse (int./sec)	MFR (dB)				
10	QPSK	1	0	20.70	20.73	20.66						
10	QPSK	1	25	20.50	20.75	20.51	21.4	0				
10	QPSK	1	48	20.52	20.69	20.60						
10	QPSK	12	0	20.50	20.60	20.54	21.4	0				
10	QPSK	25	12	20.50	20.62	20.54						
10	QPSK	25	12	20.50	20.62	20.54						
10	QPSK	25	25	20.54	20.62	20.50						
10	HQAM	1	0	20.66	20.70	20.58	21.4	0				
10	HQAM	1	25	20.60	20.73	20.60						
10	HQAM	1	48	20.67	20.60	20.54						
10	HQAM	25	0	20.60	20.68	20.48						
10	HQAM	25	12	20.62	20.70	20.53	21.4	0				
10	HQAM	25	25	20.50	20.66	20.46						
10	HQAM	50	0	20.60	20.72	20.44						
10	HQAM	1	0	20.65	20.69	20.52	21.4	0				
10	HQAM	1	25	20.50	20.69	20.57						
10	HQAM	1	48	20.65	20.73	20.69						
10	HQAM	25	0	20.45	20.69	20.49						
10	HQAM	25	12	20.50	20.70	20.48	21.4	0				
10	HQAM	25	25	20.60	20.57	20.47						
10	HQAM	50	0	20.55	20.69	20.58						
10	SSBDM	1	0	18.60	18.60	18.67	19.4	2				
10	SSBDM	1	25	18.61	18.62	18.73						
10	SSBDM	1	48	18.70	18.61	18.80						
10	SSBDM	25	0	18.58	18.69	18.69						
10	SSBDM	25	12	18.60	18.73	18.70	19.4	2				
10	SSBDM	25	25	18.60	18.70	18.70						
10	SSBDM	50	0	18.47	18.59	18.60						
Channel												
Frequency (MHz)				20775	21100	21425	Timeuse (int./sec)	MFR (dB)				
5	QPSK	1	0	20.74	20.70	20.72						
5	QPSK	1	12	20.58	20.71	20.63	21.4	0				
5	QPSK	1	24	20.50	20.59	20.57						
5	QPSK	12	0	20.58	20.66	20.59						
5	QPSK	12	7	20.48	20.60	20.54	21.4	0				
5	QPSK	12	13	20.52	20.58	20.46						
5	QPSK	25	0	20.62	20.63	20.51						
5	HQAM	1	0	20.64	20.73	20.50	21.4	0				
5	HQAM	1	12	20.72	20.81	20.68						
5	HQAM	1	24	20.60	20.62	20.50						
5	HQAM	12	0	20.50	20.58	20.53						
5	HQAM	12	7	20.68	20.67	20.56	21.4	0				
5	HQAM	12	13	20.57	20.67	20.45						
5	HQAM	25	0	20.62	20.69	20.52						
5	HQAM	1	0	20.58	20.61	20.60						
5	HQAM	1	12	20.70	20.64	20.57	21.4	0				
5	HQAM	1	24	20.56	20.74	20.68						
5	HQAM	12	0	20.47	20.56	20.38						
5	HQAM	12	7	20.59	20.70	20.45	21.4	0				
5	HQAM	12	13	20.50	20.60	20.45						
5	HQAM	25	0	20.45	20.57	20.50						
5	SSBDM	1	0	18.61	18.66	18.85	19.4	2				
5	SSBDM	1	12	18.66	18.76	18.83						
5	SSBDM	1	24	18.67	18.60	18.79						
5	SSBDM	12	0	18.64	18.69	18.75						
5	SSBDM	12	7	18.70	18.61	18.69	19.4	2				
5	SSBDM	12	13	18.60	18.70	18.85						
5	SSBDM	25	0	18.50	18.63	18.68						

Band 7_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int./sec)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.45	17.50	17.47						
20	QPSK	1	48	17.38	17.45	17.39	18.4	0				
20	QPSK	1	96	17.30	17.38	17.30						
20	QPSK	50	0	17.40	17.48	17.40						
20	QPSK	50	24	17.27	17.35	17.39	18.4	0				
20	QPSK	50	50	17.27	17.35	17.32						
20	QPSK	100	0	17.37	17.46	17.37						
20	QPSK	100	50	17.45	17.43	17.32	18.4	0				
20	QPSK	50	24	17.39	17.46	17.38						
20	QPSK	50	50	17.48	17.45	17.34	18.4	0				
20	QPSK	100	0	17.42	17.37	17.32						
20	QPSK	100	50	17.40	17.35	17.45						
20	QPSK	50	24	17.41	17.45	17.44	18.4	0				
20	QPSK	50	50	17.47	17.46	17.32	18.4	0				
20	QPSK	100	0	17.35	17.46	17.34						
20	QPSK	100	50	17.43	17.41	17.40						
20	QPSK	50	24	17.39	17.46	17.32	18.4	0				
20	QPSK	50	50	17.44	17.36	17.44						
20	QPSK	100	0	17.43	17.41	17.40						
20	QPSK	100	50	17.44	17.47	17.36	18.4	0				
20	QPSK	50	24	17.44	17.47	17.44						
20	QPSK	50	50	17.38	17.47	17.36						
20	QPSK	100	0	17.43	17.43	17.43						
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.47	17.43	17.42						
15	QPSK	1	48	17.35	17.38	17.38	18.4	0				
15	QPSK	1	96	17.30	17.32	17.35						
15	QPSK	1	144	17.39	17.38	17.35						
15	QPSK	50	0	17.47	17.45	17.45						
15	QPSK	50	24	17.38	17.35	17.32						
15	QPSK	50	50	17.39	17.48	17.46						
15	QPSK	100	0	17.39	17.45	17.46						
15	QPSK	100	50	17.47	17.43	17.41						
15	QPSK	1	87	17.47	17.46	17.35						
15	QPSK	1	144	17.43	17.42	17.46						
15	QPSK	50	0	17.43	17.38	17.38						
15	QPSK	50	24	17.35	17.41	17.43						
15	QPSK	50	50	17.48	17.46	17.46						
15	QPSK	100	0	17.36	17.46	17.43						
15	QPSK	100	50	17.39	17.46	17.45	18.4	0				
15	QPSK	1	87	17.46	17.47	17.38						
15	QPSK	1	144	17.47	17.38	17.44						
15	QPSK	50	0	17.47	17.39	17.38						
15	QPSK	50	24	17.36	17.42	17.47						
15	QPSK	50	50	17.42	17.46	17.38						
15	QPSK	100	0	17.42	17.41	17.40						
15	QPSK	100	50	17.43	17.45	17.36	18.4	0				
15	QPSK	50	24	17.44	17.46	17.34						
15	QPSK	50	50	17.43	17.43	17.43						
15	QPSK	100	0	17.45	17.45	17.33						
15	QPSK	100	50	17.45	17.45	17.33	18.4	0				
15	QPSK	50	24	17.40	17.41	17.42						
15	QPSK	50	50	17.44	17.44	17.44						
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.46	17.46	17.46						
10	QPSK	1	48	17.40	17.44	17.45	18.4	0				
10	QPSK	1	96	17.37	17.43	17.45						
10	QPSK	1	144	17.40	17.45	17.45						
10	QPSK	50	0	17.46	17.46	17.46						
10	QPSK	50	24	17.41	17.37	17.35						
10	QPSK	50	50	17.38	17.48	17.35						
10	QPSK	100	0	17.46	17.46	17.46						
10	QPSK	100	50	17.44	17.43	17.44						
10	QPSK	1	26	17.40	17.44	17.44	18.4	0				
10	QPSK	1	80	17.45	17.43	17.43						
10	QPSK	50	0	17.37	17.42	17.40						
10	QPSK	50	24	17.41	17.44	17.45						
10	QPSK	50	50	17.46	17.46	17.46						
10	QPSK	100	0	17.46	17.47	17.33	18.4	0				
10	QPSK	100	50	17.46	17.47	17.33						
10	QPSK	50	24	17.37	17.46	17.35						
10	QPSK	50	50	17.47	17.46	17.46						
10	QPSK	100	0	17.43	17.45	17.45						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10	QPSK	50	24	17.37	17.41	17.37						
10	QPSK	50	50	17.43	17.37	17.45						
10	QPSK	100	0	17.43	17.42	17.42						
10	QPSK	100	50	17.45	17.41	17.45						
10	QPSK	1	0	17.45	17.38	17.42	18.4	0				
10	QPSK	1	26	17.43	17.38	17.42						
10	QPSK	50	0	17.47	17.43	17.42						
10												

Band 13_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Inst. (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.25			25	0				
10	QPSK	1	25	24.23								
10	QPSK	1	49	24.17								
10	QPSK	25	0	23.92								
10	QPSK	25	12	23.90			24	1				
10	QPSK	25	25	23.76								
10	QPSK	50	0	23.16								
10	QPSK	1	5	23.45								
10	HQAM	1	25	23.51			24	1				
10	HQAM	1	49	23.46								
10	HQAM	25	0	22.26								
10	HQAM	25	12	22.24								
10	HQAM	25	25	22.19			23	2				
10	HQAM	50	0	22.16								
10	HQAM	1	5	22.92								
10	HQAM	1	25	22.99								
10	HQAM	1	49	22.47			23	2				
10	HQAM	25	0	21.54								
10	HQAM	25	12	21.57								
10	HQAM	25	25	21.31								
10	HQAM	50	0	21.48			22	3				
10	HQAM	1	5	19.39								
10	HQAM	1	49	19.44								
10	HQAM	1	49	19.42								
10	HQAM	25	0	19.46			20	5				
10	HQAM	25	12	19.55								
10	HQAM	25	25	19.38								
10	HQAM	50	0	19.44								
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.18	24.22	24.18	25	0				
5	QPSK	1	12	24.18	24.20	24.12						
5	QPSK	1	24	24.03	24.16	24.13						
5	QPSK	12	0	23.19	23.13	23.07						
5	QPSK	12	7	23.12	23.09	23.10	24	1				
5	QPSK	12	13	23.13	23.01	23.08						
5	QPSK	25	0	23.14	23.09	23.04						
5	HQAM	1	0	23.30	23.31	23.30						
5	HQAM	1	12	23.40	23.48	23.40	24	1				
5	HQAM	1	24	23.29	23.30	23.26						
5	HQAM	12	0	22.11	22.22	22.25						
5	HQAM	12	7	22.21	22.16	22.22						
5	HQAM	12	13	22.17	22.09	22.04	23	2				
5	HQAM	25	0	22.17	22.14	22.06						
5	HQAM	1	0	22.85	22.88	22.84						
5	HQAM	1	12	22.90	22.95	21.99						
5	HQAM	12	13	21.21	21.15	21.27	22	3				
5	HQAM	1	24	22.33	22.40	22.43						
5	HQAM	1	0	21.50	21.46	21.43						
5	HQAM	12	7	21.48	21.54	21.53						
5	HQAM	12	13	21.25	21.16	21.27	20	5				
5	HQAM	25	0	21.36	21.42	21.41						
5	HQAM	1	0	19.39	19.38	19.29						
5	HQAM	1	24	19.46	19.27	19.38						
5	HQAM	12	0	19.39	19.33	19.35	20	5				
5	HQAM	12	7	19.50	19.39	19.49						
5	HQAM	12	13	19.25	19.33	19.27						
5	HQAM	25	0	19.41	19.40	19.37						

Band 13_Ant 0												
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up (kHz)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.84			24.3	0				
10	QPSK	1	25	23.59								
10	QPSK	1	49	23.39								
10	QPSK	25	0	22.61								
10	QPSK	25	12	22.53			23.3	1				
10	QPSK	25	25	22.55								
10	QPSK	50	0	22.08								
10	HQAM	1	5	22.78								
10	HQAM	1	25	22.86			23.3	1				
10	HQAM	1	49	22.89								
10	HQAM	25	0	21.69								
10	HQAM	25	12	21.69								
10	HQAM	25	25	21.62			22.3	2				
10	HQAM	50	0	21.61								
10	HQAM	1	5	21.77								
10	HQAM	1	25	21.97								
10	HQAM	1	49	21.78			22.3	2				
10	HQAM	25	0	20.71								
10	HQAM	25	12	20.89								
10	HQAM	25	25	20.84								
10	HQAM	50	0	20.81			21.3	3				
10	HQAM	1	5	19.90								
10	HQAM	1	49	19.96								
10	HQAM	1	49	19.83								
10	HQAM	25	12	19.77			19.3	5				
10	HQAM	25	25	19.70								
10	HQAM	50	0	18.69								
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.52	23.56	23.61				24.3	0	
5	QPSK	1	12	23.46	23.46	23.58						
5	QPSK	1	24	23.37	23.33	23.45						
5	QPSK	12	0	22.48	22.59	22.60						
5	QPSK	12	7	22.38	22.44	22.41	23.3	1				
5	QPSK	12	13	22.32	22.47	22.43						
5	QPSK	25	0	22.57	22.47	22.57						
5	HQAM	1	0	22.77	22.67	22.77						
5	HQAM	1	12	22.83	22.75	22.78	23.3	1				
5	HQAM	1	24	22.84	22.82	22.87						
5	HQAM	12	0	21.54	21.61	21.56						
5	HQAM	12	7	21.63	21.56	21.67						
5	HQAM	12	13	21.59	21.61	21.47	22.3	2				
5	HQAM	25	0	21.58	21.48	21.56						
5	HQAM	1	0	21.72	21.64	21.70						
5	HQAM	1	12	21.82	21.75	21.81						
5	HQAM	1	24	21.74	21.74	21.69	22.3	2				
5	HQAM	12	0	20.57	20.62	20.69						
5	HQAM	12	7	20.55	20.55	20.55						
5	HQAM	12	13	20.58	20.59	20.55						
5	HQAM	12	13	20.56	20.59	20.55	21.3	3				
5	HQAM	25	0	20.52	20.58	20.52						
5	HQAM	1	0	19.84	19.77	19.86						
5	HQAM	1	0	18.85	18.90	18.87						
5	HQAM	1	24	18.82	18.89	18.51	19.3	5				
5	HQAM	12	0	18.73	18.65	18.73						
5	HQAM	12	7	18.62	18.74	18.69						
5	HQAM	12	13	18.67	18.69	18.56						
5	HQAM	25	0	18.56	18.66	18.52	19.3	5				
5	HQAM	1	0	17.58	17.58	17.58						
5	HQAM	12	0	17.58	17.58	17.58						
5	HQAM	12	13	17.58	17.58	17.58						

Band 17_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up (mHz)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	709	710	710	23.8	0	
10	QPSK	1	25	23.12	23.13	23.12			
10	QPSK	1	49	23.09	23.12	23.01			
10	QPSK	25	0	22.55	22.21	22.17			
10	QPSK	25	12	22.55	22.18	22.04	22.8	1	
10	QPSK	25	25	22.49	22.16	22.13			
10	QPSK	50	0	22.03	22.11	22.07			
10	HQAM	1	5	22.29	22.33	22.28			
10	HQAM	1	25	22.23	22.33	22.22	22.8	1	
10	HQAM	1	49	22.17	22.33	22.22			
10	HQAM	25	0	21.12	21.14	21.09			
10	HQAM	25	12	21.18	21.10	21.12			
10	HQAM	25	25	21.05	21.07	21.05	21.8	2	
10	HQAM	50	0	21.00	21.31	21.05			
10	HQAM	1	0	21.20	21.30	21.18			
10	HQAM	1	25	21.23	21.30	21.18			
10	HQAM	1	49	21.00	21.11	21.01	21.8	2	
10	HQAM	25	0	19.98	20.04	19.90			
10	HQAM	25	12	20.03	20.13	20.03			
10	HQAM	25	25	20.15	20.19	20.14			
10	HQAM	50	0	20.07	20.14	20.07	20.8	3	
10	HQAM	1	0	19.92	19.97	19.94			
10	HQAM	1	25	19.83	19.83	19.82			
10	HQAM	1	49	19.82	19.85	19.85			
10	HQAM	25	0	18.80	18.85	18.85	18.8	5	
10	HQAM	25	12	18.81	18.80	18.80			
10	HQAM	25	25	18.84	18.83	18.84			
10	HQAM	50	0	18.81	18.80	18.80			
Channel									
Frequency (MHz)									
10	QPSK	1	0	706	710	711.5	23.8	0	
10	QPSK	1	25	23.11	23.11	23.02			
10	QPSK	1	49	23.08	23.10	23.00			
10	QPSK	1	24	23.01	23.07	23.03			
10	QPSK	25	0	22.99	22.18	22.16	22.8	1	
10	QPSK	25	12	22.99	22.16	22.16			
10	QPSK	25	25	22.96	22.16	22.16			
10	QPSK	12	13	22.01	22.10	22.03			
10	QPSK	25	0	22.95	22.09	22.09	22.8	1	
10	QPSK	25	12	22.94	22.08	22.08			
10	HQAM	1	12	22.15	22.24	22.27			
10	HQAM	1	24	22.10	22.24	22.21			
10	HQAM	12	0	21.09	21.11	21.01	21.8	2	
10	HQAM	12	7	21.09	21.16	21.08			
10	HQAM	12	13	21.08	21.11	21.08			
10	HQAM	25	0	21.01	21.00	21.09			
10	HQAM	1	0	21.11	21.15	21.09	21.8	2	
10	HQAM	1	25	21.12	21.15	21.09			
10	HQAM	1	49	21.05	21.15	21.09			
10	HQAM	1	24	20.90	21.03	20.98			
10	HQAM	12	0	19.95	19.97	19.85	20.8	3	
10	HQAM	12	7	20.01	20.01	20.04			
10	HQAM	12	13	20.14	20.10	20.02			
10	HQAM	25	0	20.01	20.09	19.98			
10	HQAM	25	0	18.81	18.87	18.81	18.8	5	
10	HQAM	25	12	18.82	18.83	18.81			
10	HQAM	25	25	18.83	18.83	18.83			
10	HQAM	12	7	18.82	18.81	18.81			
10	HQAM	12	7	18.18	18.41	18.26	18.8	5	
10	HQAM	12	13	18.10	18.29	18.20			
10	HQAM	12	13	18.26	18.26	18.26			
10	HQAM	12	13	18.26	18.26	18.26			

Band 25_Ant 6											
RF MHz	Modulation	RB Size	RF Offset	Power Ch. 1/Freq.	Power Ch. 2/Freq.	Power Ch. 3/Freq.	Turn-on rate (dBm)	MPE (dB)			
Channel											
Frequency (MHz)				26145	26340	26540	Turn-on rate (dBm)	MPE (dB)			
20	QPSK	1	0	18.85	18.82	18.83					
20	QPSK	1	0	19.07	19.07	19.08					
20	QPSK	1	69	18.92	18.92	18.92	19.2	0			
20	QPSK	50	24	19.03	19.03	19.03					
20	QPSK	50	24	19.03	19.03	19.03	19.2	0			
20	QPSK	50	24	19.03	19.03	19.03					
20	QPSK	100	0	19.04	19.04	19.03					
20	QPSK	1	69	19.02	19.03	19.02	19.2	0			
20	QPSK	50	0	19.03	19.03	19.03					
20	QPSK	50	0	19.03	19.03	19.03	19.2	0			
20	QPSK	100	0	19.03	19.03	19.03					
20	QPSK	1	0	19.11	18.95	18.92					
20	QPSK	1	0	19.07	19.07	19.08	19.2	0			
20	QPSK	1	69	19.03	19.03	19.03					
20	QPSK	50	0	19.03	19.03	19.03	19.2	0			
20	QPSK	50	0	19.03	19.03	19.03					
20	QPSK	100	0	18.99	18.99	18.92					
20	QPSK	100	0	18.99	18.99	18.92					
20	QPSK	1	69	18.17	18.30	18.22	18.8	0			
20	QPSK	1	69	17.99	18.12	18.07					
20	QPSK	50	24	18.99	18.99	18.99					
20	QPSK	50	24	18.10	18.22	18.12	18.8	0			
20	QPSK	50	24	18.10	18.22	18.12					
20	QPSK	100	0	18.76	18.97	17.95					
20	QPSK	100	0	18.76	18.97	17.95					
Channel											
Frequency (MHz)				26115	26340	26540	Turn-on rate (dBm)	MPE (dB)			
15	QPSK	1	0	18.97	19.00	19.01					
15	QPSK	1	0	19.07	19.07	19.08	19.2	0			
15	QPSK	1	74	19.00	19.00	18.92					
15	QPSK	36	20	19.07	19.04	18.92					
15	QPSK	36	20	19.00	19.00	18.92	19.2	0			
15	QPSK	36	20	19.00	19.00	18.92					
15	QPSK	74	0	19.08	18.97	18.91					
15	QPSK	74	0	19.08	18.97	18.91	19.2	0			
15	QPSK	74	0	19.08	18.97	18.91					
15	QPSK	1	37	19.04	19.04	18.95					
15	QPSK	1	37	19.04	19.04	18.95	19.2	0			
15	QPSK	1	37	19.04	19.04	18.95					
15	QPSK	36	0	19.08	19.04	19.02					
15	QPSK	36	0	19.08	19.04	19.02	19.2	0			
15	QPSK	36	0	19.08	19.04	19.02					
15	QPSK	74	0	19.01	19.01	18.95					
15	QPSK	74	0	19.01	19.01	18.95	19.2	0			
15	QPSK	74	0	19.01	19.01	18.95					
15	QPSK	1	74	19.08	19.05	18.94					
15	QPSK	1	74	19.08	19.05	18.94	19.2	0			
15	QPSK	1	74	19.08	19.05	18.94					
15	QPSK	36	0	19.07	18.97	18.96					
15	QPSK	36	0	19.07	18.97	18.96	19.2	0			
15	QPSK	36	0	19.07	18.97	18.96					
15	QPSK	74	0	19.03	19.04	18.93					
15	QPSK	74	0	19.03	19.04	18.93	19.2	0			
15	QPSK	74	0	19.03	19.04	18.93					
15	QPSK	100	0	19.09	18.95	18.87					
15	QPSK	100	0	19.09	18.95	18.87	19.2	0			
15	QPSK	100	0	19.09	18.95	18.87					
15	QPSK	1	26	18.98	18.24	18.18	18.8	0			
15	QPSK	1	26	17.86	18.06	17.95					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18.99	18.99	18.99	19.2	0			
15	QPSK	24	12	18.99	18.99	18.99					
15	QPSK	24	12	18							

Band 25_Ant 7										
RF [MHz]	Modulation	RB Size	RB Offset	Ch. Power [W]	Power Ch. / Power	Power Ch. / Power	Turn-on time (ms)	MPE (dB)		
Channel										
Frequency (MHz)				1660	26360	26050				
20	QPSK	1	0	17.70	17.70	17.70				
20	QPSK	1	49	17.43	17.43	17.39		18.3	0	
20	QPSK	1	99	17.30	17.50	17.36				
20	QPSK	50	0	17.38	17.38	17.38				
20	QPSK	50	24	17.38	17.63	17.38				
20	QPSK	50	50	17.48	17.50	17.36				
20	QPSK	100	0	17.48	17.48	17.44				
20	16QAM	1	0	17.48	17.62	17.45				
20	16QAM	1	49	17.47	17.57	17.41		18.3	0	
20	16QAM	1	99	17.48	17.58	17.42				
20	16QAM	50	0	17.38	17.57	17.36				
20	16QAM	50	24	17.41	17.64	17.38		18.3	0	
20	16QAM	50	50	17.48	17.50	17.36				
20	16QAM	100	0	17.48	17.58	17.47				
20	16QAM	1	0	17.43	17.55	17.39				
20	16QAM	1	49	17.43	17.53	17.37		18.3	0	
20	16QAM	1	99	17.40	17.61	17.46				
20	16QAM	50	0	17.46	17.54	17.46				
20	16QAM	50	24	17.46	17.64	17.44				
20	16QAM	50	50	17.50	17.51	17.40		18.3	0	
20	16QAM	100	0	17.50	17.56	17.44				
20	16QAM	1	0	17.48	17.58	17.41				
20	16QAM	1	49	17.54	17.48	17.38				
20	25QAM	1	0	17.23	17.43	17.44				
20	25QAM	1	49	17.23	17.43	17.31				
20	25QAM	50	0	17.15	17.43	17.30		18.3	0	
20	25QAM	50	50	17.35	17.37	17.27				
20	25QAM	100	0	17.31	17.43	17.35				
Channel				26115	26360	26015	Turn-on time (ms)	MPE (dB)		
Frequency (MHz)				1657.5	1680	1607.5				
15	QPSK	1	0	17.47	17.47	17.54				
15	QPSK	1	37	17.41	17.63	17.41		18.3	0	
15	QPSK	1	74	17.36	17.42	17.40				
15	QPSK	36	0	17.51	17.66	17.50				
15	QPSK	36	36	17.48	17.66	17.48		18.3	0	
15	QPSK	36	72	17.40	17.40	17.21				
15	16QAM	1	0	17.45	17.60	17.31				
15	16QAM	1	37	17.32	17.48	17.35		18.3	0	
15	16QAM	1	74	17.32	17.48	17.35				
15	16QAM	36	0	17.25	17.48	17.27				
15	16QAM	36	36	17.34	17.61	17.25		18.3	0	
15	16QAM	36	72	17.25	17.48	17.25				
15	16QAM	75	0	17.32	17.43	17.32				
15	16QAM	1	0	17.36	17.52	17.36				
15	16QAM	1	37	17.20	17.42	17.33		18.3	0	
15	16QAM	1	74	17.33	17.39	17.44				
15	16QAM	36	0	17.28	17.37	17.35				
15	16QAM	36	36	17.28	17.37	17.35		18.3	0	
15	16QAM	75	0	17.36	17.42	17.20				
15	16QAM	1	0	17.28	17.42	17.34				
15	16QAM	1	37	17.13	17.37	17.38		18.3	0	
15	16QAM	1	74	17.25	17.35	17.40				
15	16QAM	36	0	17.00	17.32	17.26		18.3	0	
15	25QAM	1	0	17.29	17.24	17.19				
15	25QAM	1	49	17.29	17.24	17.14				
15	25QAM	50	0	16.99	16.93	16.85	Turn-on time (ms) <td>MPE (dB)</td> <td colspan="2"></td>	MPE (dB)		
Channel				26095	26360	26015	Turn-on time (ms)	MPE (dB)		
Frequency (MHz)				1653	1680	1607.5				
5	QPSK	1	0	17.47	17.47	17.54				
5	QPSK	1	12	17.41	17.63	17.41		18.3	0	
5	QPSK	1	24	17.26	17.39	17.35				
5	QPSK	12	0	17.54	17.63	17.29				
5	QPSK	12	12	17.31	17.60	17.37				
5	QPSK	25	0	17.66	17.38	17.35				
5	16QAM	1	0	17.38	17.52	17.39				
5	16QAM	1	12	17.31	17.53	17.39		18.3	0	
5	16QAM	1	24	17.36	17.49	17.37				
5	16QAM	12	0	17.25	17.48	17.24				
5	16QAM	12	12	17.27	17.54	17.21				
5	16QAM	12	24	17.30	17.58	17.29		18.3	0	
5	16QAM	25	0	17.36	17.42	17.35				
5	16QAM	25	12	17.31	17.47	17.32				
5	16QAM	25	24	17.31	17.47	17.32				
5	16QAM	50	0	17.41	17.42	17.35				
5	16QAM	50	12	17.42	17.48	17.38		18.3	0	
5	16QAM	50	24	17.41	17.52	17.35				
5	16QAM	12	0	17.43	17.41	17.30				
5	16QAM	12	12	17.43	17.41	17.37				
5	16QAM	12	24	17.43	17.39	17.32		18.3	0	
5	16QAM	25	0	17.42	17.46	17.39				
5	16QAM	25	12	17.42	17.46	17.35				
5	16QAM	25	24	17.42	17.46	17.35				
5	25QAM	1	0	17.31	17.33	17.38				
5	25QAM	1	12	17.21	17.33	17.33		18.3	0	
5	25QAM	1	24	17.14	17.30	17.26				
5	25QAM	12	0	17.34	17.34	17.22				
5	25QAM	12	12	17.34	17.34	17.22				
5	25QAM	12	24	17.34	17.34	17.22				
Channel				26095	26360	26015	Turn-on time (ms)	MPE (dB)		
Frequency (MHz)				1651.5	1680	1607.5				
1	QPSK	1	0	17.47	17.47	17.50				
1	QPSK	1	37	17.41	17.62	17.44		18.3	0	
1	QPSK	1	74	17.31	17.42	17.24				
1	QPSK	8	0	17.53	17.52	17.50				
1	QPSK	8	37	17.46	17.62	17.46		18.3	0	
1	QPSK	8	74	17.37	17.46	17.21				
1	16QAM	1	0	17.40	17.51	17.36				
1	16QAM	1	37	17.31	17.53	17.38		18.3	0	
1	16QAM	1	74	17.31	17.53	17.38				
1	16QAM	8	0	17.28	17.50	17.28				
1	16QAM	8	37	17.28	17.50	17.28		18.3	0	
1	16QAM	8	74	17.28	17.50	17.28				
1	16QAM	15	0	17.38	17.51	17.39				
1	16QAM	15	37	17.38	17.51	17.39		18.3	0	
1	16QAM	15	74	17.38	17.51	17.39				
1	16QAM	8	0	17.42	17.47	17.43				
1	16QAM	8	37	17.42	17.47	17.43				
1	16QAM	8	74	17.42	17.47	17.43				
1	16QAM	15	0	17.43	17.43	17.31				
1	16QAM	15	37	17.43	17.43	17.31		18.3	0	
1	16QAM	15	74	17.43	17.43	17.31				
1	25QAM	1	0	17.31	17.28	17.41				
1	25QAM	1	14	17.21	17.28	17.41		18.3	0	
1	25QAM	1	28	17.12	17.28	17.41				
1	25QAM	8	0	17.34	17.23	17.22				
1	25QAM	8	4	17.30	17.23	17.29		18.3	0	
1	25QAM	8	7	17.34	17.23	17.17				
1	25QAM	15	0	17.27	17.26	17.26				
Channel				26047	26360	26015	Turn-on time (ms)	MPE (dB)		
Frequency (MHz)				1650.7	1680	1604.3				
1	QPSK	1	0	17.47	17.47	17.50				
1	QPSK	1	37	17.41	17.62	17.44		18.3	0	
1	QPSK	1	74	17.31	17.42	17.24				
1	QPSK	3	0	17.50	17.60	17.41				
1	QPSK	3	37	17.41	17.47	17.28		18.3	0	
1	QPSK	3	74	17.31	17.47	17.28				
1	16QAM	1	0	17.45	17.62	17.36		18.3	0	
1	16QAM	1	37	17.43	17.62	17.42				
1	16QAM	1	74	17.33	17.44	17.42				
1	16QAM	3	0	17.38	17.51	17.32		18.3	0	
1	16QAM	3	37	17.38	17.51	17.32				
1	16QAM	3	74	17.38	17.51	17.32				
1	16QAM	15	0	17.37	17.52	17.34		18.3	0	
1	16QAM	15	37	17.37	17.52	17.34				
1	16QAM	15	74	17.37	17.52	17.34				
1	16QAM	3	0	17.42	17.48	17.35				
1	16QAM	3	37	17.42	17.48	17.35		18.3	0	
1	16QAM	3	74	17.42	17.48	17.35				
1	16QAM	15	0	17.43	17.43	17.31				
1	16QAM	15	37	17.43	17.43	17.31		18.3	0	
1	16QAM	15	74	17.43	17.43	17.31				
1	25QAM	1	0	17.30	17.24	17.20		18.3	0	
1	25QAM	1	3	17.20	17.24	17.20				
1	25QAM	1	6	17.10	17.24	17.20				
1	25QAM	8	0	17.34	17.27	17.18		18.3	0	
1	25QAM	8	3	17.30	17.25	17.18				

Band 25_Ant 5										
RF Modulation	RF Size	RF Offset	Power (dBm)	Power (dBm) Ch / Freq	Power (dBm) Ch / Freq	Power (dBm) Ch / Freq	Tune-off (dB)	MPE (dB)		
Channel			26140	26140	26140	26140				
Frequency (MHz)			1880	1880	1880	1880				
OPRF	1	0	22.07	22.12	22.25	22.31				
OPRF	1	49	22.07	22.13	22.13	22.13	23	0		
OPRF	1	99	22.08	22.28	22.28	22.28				
OPRF	50	0	22.07	22.20	22.20	22.20				
OPRF	50	24	22.07	22.14	22.14	22.14	23	0		
OPRF	50	50	22.08	22.10	22.07	22.07				
16QAM	1	0	22.07	22.20	22.20	22.20				
16QAM	1	49	22.17	22.12	22.12	22.12	23	0		
16QAM	1	99	22.18	22.28	22.28	22.28				
16QAM	50	0	22.17	22.20	22.20	22.20				
16QAM	50	24	22.18	22.19	22.15	22.15				
16QAM	50	50	22.11	22.21	22.21	22.21				
16QAM	100	0	22.18	22.18	22.08	22.08				
64QAM	1	0	22.17	22.16	22.17	22.17				
64QAM	1	49	22.18	22.15	22.15	22.15	23	0		
64QAM	1	99	22.10	22.21	22.21	22.21				
64QAM	50	0	21.18	21.32	21.38	21.38				
64QAM	50	24	21.23	21.28	21.28	21.28	22	1		
64QAM	50	50	21.17	21.27	21.17	21.17				
256QAM	1	0	21.28	21.28	21.18	21.18				
256QAM	1	49	19.43	19.48	19.43	19.43	20			
256QAM	1	99	19.39	19.54	19.48	19.48				
256QAM	50	0	19.43	19.48	19.38	19.38	20			
256QAM	50	24	19.37	19.50	19.45	19.45				
256QAM	50	50	19.30	19.52	19.45	19.45				
256QAM	100	0	19.35	19.48	19.38	19.38	20			
Channel			26115	26140	26140	26140	Tune-off (dB)	MPE (dB)		
Frequency (MHz)			1880	1880	1880	1880				
OPRF	1	0	22.07	22.12	22.12	22.12				
OPRF	1	49	22.08	22.08	22.08	22.11	23	0		
OPRF	1	99	22.11	22.28	22.28	22.28				
OPRF	36	20	22.03	22.07	22.07	22.04				
OPRF	36	39	21.94	22.00	21.96	21.96				
OPRF	50	0	21.93	22.11	22.05	22.05				
OPRF	50	24	21.98	22.06	22.11	22.01				
16QAM	1	0	22.03	22.11	22.05	22.05				
16QAM	1	49	22.13	22.08	22.08	22.08	23	0		
16QAM	1	99	22.09	22.13	22.13	22.13				
16QAM	36	20	21.97	22.03	22.03	22.03				
16QAM	36	39	21.97	22.11	22.05	22.05				
16QAM	50	0	22.06	22.06	21.95	21.95	23	0		
64QAM	1	0	22.11	22.02	22.03	22.03				
64QAM	1	49	22.14	22.04	22.04	22.04	22	1		
64QAM	1	99	22.06	22.08	22.08	22.08				
64QAM	36	20	21.92	22.08	22.08	22.08				
64QAM	36	39	21.25	21.19	21.11	21.11				
64QAM	50	0	21.13	21.16	21.11	21.11				
64QAM	50	24	21.18	21.25	21.25	21.25	22	1		
64QAM	50	50	21.05	21.15	21.05	21.05				
256QAM	1	0	19.40	19.45	19.35	19.35	20			
256QAM	1	49	19.34	19.48	19.48	19.48				
256QAM	1	99	19.38	19.53	19.48	19.48				
256QAM	50	0	19.43	19.48	19.38	19.38	20			
256QAM	50	24	19.35	19.48	19.48	19.48				
256QAM	50	50	19.28	19.41	19.35	19.35	20	3		
256QAM	100	0	19.33	19.46	19.37	19.37	20	3		
Channel			26095 <th>26140<th>26140<th>26140</th><th>Tune-off (dB)</th><th>MPE (dB)</th><th colspan="2"></th></th></th>	26140 <th>26140<th>26140</th><th>Tune-off (dB)</th><th>MPE (dB)</th><th colspan="2"></th></th>	26140 <th>26140</th> <th>Tune-off (dB)</th> <th>MPE (dB)</th> <th colspan="2"></th>	26140	Tune-off (dB)	MPE (dB)		
Frequency (MHz)			1880	1880	1880	1880				
OPRF	1	0	22.13	22.17	22.17	22.17				
OPRF	1	49	22.12	22.07	22.03	22.03	23	0		
OPRF	1	99	22.14	22.10	22.08	22.08				
OPRF	12	0	22.10	22.06	21.95	21.95				
OPRF	12	29	22.08	22.09	22.09	22.09				
OPRF	12	13	21.98	22.01	22.02	22.01				
OPRF	50	0	21.96	22.05	22.05	22.05				
OPRF	50	24	21.91	22.02	22.02	22.02				
16QAM	1	0	22.11	22.07	22.07	22.07				
16QAM	1	12	22.02	22.08	22.08	22.08	23	0		
16QAM	1	24	22.14	22.14	22.02	22.16				
16QAM	12	0	21.97	22.05	22.05	22.05				
16QAM	12	7	22.12	22.12	22.12	22.12	23	0		
16QAM	12	13	22.07	22.07	22.07	22.07				
16QAM	50	0	22.09	22.11	22.11	22.11				
16QAM	50	13	22.06	22.06	22.06	22.06				
64QAM	1	0	22.16	22.11	22.14	22.14				
64QAM	1	12	22.11	22.11	22.04	22.04	23	0		
64QAM	1	24	22.20	22.20	22.07	22.07				
64QAM	12	0	21.14	21.31	21.37	21.37				
64QAM	12	21	21.23	21.23	21.23	21.23	22	1		
64QAM	12	13	21.07	21.25	21.07	21.07				
64QAM	25	0	21.15	21.18	21.07	21.07				
64QAM	25	1	21.04	21.15	21.04	21.04				
256QAM	1	0	19.40	19.38	19.31	19.31	20			
256QAM	1	12	19.40	19.38	19.31	19.31	20			
256QAM	1	24	19.27	19.51	19.39	19.39				
256QAM	12	0	19.35	19.48	19.38	19.38	20			
256QAM	12	7	19.06	19.37	19.38	19.38				
256QAM	12	13	19.25	19.37	19.35	19.35	20	3		
256QAM	25	0	19.30	19.42	19.35	19.35	20	3		
Channel			26055 <th>26140</th> <th>26140</th> <th>26140</th> <th>Tune-off (dB)</th> <th>MPE (dB)</th> <th colspan="2"></th>	26140	26140	26140	Tune-off (dB)	MPE (dB)		
Frequency (MHz)			1880	1880	1880	1880				
OPRF	1	0	22.12	22.12	22.02	22.12				
OPRF	1	49	22.12	22.12	22.02	22.12	23	0		
OPRF	1	14	22.08	22.03	22.12	22.12				
OPRF	8	0	22.11	22.12	22.02	22.12				
OPRF	8	14	22.08	22.07	22.07	22.04				
OPRF	8	7	22.08	21.97	21.96	21.95	23	0		
16QAM	1	0	21.95	22.12	22.02	22.02				
16QAM	1	14	22.02	22.08	22.08	22.16	23	0		
16QAM	1	7	22.12	22.12	22.02	22.02				
16QAM	8	0	22.04	22.13	22.04	22.04				
16QAM	8	14	22.02	22.16	22.16	22.16	23	0		
16QAM	8	4	22.04	22.05	22.07	22.07				
16QAM	15	0	22.08	22.13	22.16	22.16				
64QAM	1	0	22.08	22.03	22.03	22.03				
64QAM	1	13	22.11	22.11	22.04	22.04	23	0		
64QAM	1	14	22.07	22.17	21.95	21.95				
64QAM	8	0	21.13	21.26	21.23	21.23				
64QAM	8	10	21.28	21.28	21.21	21.21				
64QAM	8	7	21.12	21.13	21.03	21.03				
64QAM	15	0	21.19	21.26	21.24	21.24				
256QAM	1	0	19.45	19.48	19.34	19.34	20			
256QAM	1	8	19.33	19.38	19.32	19.32	20			
256QAM	1	14	19.32	19.40	19.35	19.35				
256QAM	8	0	19.43	19.33	19.28	19.28	20			
256QAM	8	4	19.50	19.47	19.30	19.30				
256QAM	8	7	19.28	19.46	19.34	19.34	20	3		
256QAM	15	0	19.37	19.44	19.32	19.32				
Channel			26047 <th>26140<th>26140</th><th>26140</th><th>Tune-off (dB)</th><th>MPE (dB)</th><th colspan="2"></th></th>	26140 <th>26140</th> <th>26140</th> <th>Tune-off (dB)</th> <th>MPE (dB)</th> <th colspan="2"></th>	26140	26140	Tune-off (dB)	MPE (dB)		
Frequency (MHz)			1880	1880	1880	1880				
OPRF	1	0	22.18	22.10	22.10	22.10				
OPRF	1	49	22.07	22.07	22.07	22.12	23	0		
OPRF	1	5	22.06	22.17	21.93	21.93				
OPRF	3	0	22.04	21.99	21.94	21.94				
OPRF	3	3	22.03	22.07	22.00	22.00				
OPRF	15	0	21.90	22.03	22.01	22.01	23	0		
OPRF	15	0	21.97	22.07	22.07	22.07				
16QAM	1	3	22.11	22.09	22.12	22.12				
16QAM	5	24	22.14	22.05	22.05	22.05				
16QAM	5	24	22.09	22.10	22.10	22.10				
16QAM	3	1	22.09	22.11	22.06	22.06				
16QAM	3	3	22.04	22.10	22.14	22.14	23	0		
64QAM	1	0	22.15	22.10	22.04	22.04				
64QAM	1	24	22.04	22.11	22.05	22.05	22	1		
64QAM	1	5	21.88	22.05	21.87	21.87				
64QAM	3	0	22.02	22.00	21.97	21.97				
64QAM	3	3	21.85	21.99	21.80	21.80				
64QAM	15	0	21.25	21.23	21.18	21.18	22	1		
256QAM	1	0	19.43	19.44	19.34	19.34	20			
256QAM	1	3	19.30	19.45	19.23	19.23				
256QAM	1	5	19.35	19.53	19.34	19.34				
256QAM	3	0	19.35	19.33	19.27	19.27	20	3		
256QAM	3	1	19.27	19.47	19.34	19.34				

Band 25_Ant 0												
RF [MHz]	Modulation	RB Size	RF Offset	Power [W]	Power [W]	Power [W]	Turn-on [ms]	MP [dB]				
Channel				26140	26340	26540						
Frequency [MHz]				16850	16850	16905						
20	QPSK	1	0	16.21	16.42	16.26						
20	QPSK	1	48	16.21	16.37	16.27						
20	QPSK	1	96	16.30	16.28	16.20					0	
20	QPSK	50	24	16.30	16.41	16.26						
20	QPSK	50	50	16.26	16.30	16.24			17.1		0	
20	QPSK	50	75	16.26	16.35	16.21						
20	QPSK	50	100	16.28	16.40	16.15						
20	QPSK	1	48	16.34	16.28	16.21						
20	QPSK	1	96	16.28	16.35	16.25						
20	QPSK	50	24	16.30	16.36	16.13			17.1		0	
20	QPSK	50	50	16.30	16.39	16.18						
20	QPSK	50	75	16.31	16.37	16.15						
20	QPSK	50	100	16.31	16.37	16.13						
20	QPSK	1	0	16.33	16.33	16.28						
20	QPSK	1	48	16.34	16.38	16.25			17.1		0	
20	QPSK	1	96	16.35	16.39	16.25						
20	QPSK	50	0	16.33	16.29	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.39	16.22						
20	QPSK	1	96	16.31	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						
20	QPSK	50	75	16.33	16.39	16.17						
20	QPSK	50	100	16.33	16.41	16.17						
20	QPSK	50	125	16.33	16.39	16.22						
20	QPSK	1	48	16.33	16.40	16.18						
20	QPSK	50	24	16.33	16.37	16.27						
20	QPSK	50	50	16.33	16.39	16.17						

Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F/Hz)	Power Med Ch (F/Hz)	Power High Ch (F/Hz)	Time-use (min)	MTR (dB)		
Channel 1										
Frequency (MHz)				813.5	813.5	813.5				
15	QPSK	1	0	23.72	23.79	23.72				
15	QPSK	1	37	23.79	23.83	23.81	24.5	0		
15	QPSK	14	0	23.83	23.87	23.83				
15	QPSK	36	0	23.36	23.36	23.36				
15	QPSK	36	20	23.37	23.31	23.25	24	0.5		
15	QPSK	36	39	23.11	23.12	23.08				
15	QPSK	76	0	23.18	23.02	23.06				
15	HQAM	1	0	23.41	23.50	23.41				
15	HQAM	1	37	23.41	23.54	23.44	24	0.5		
15	HQAM	1	74	23.38	23.36	23.41				
15	HQAM	36	0	22.22	22.23	22.28				
15	HQAM	36	20	22.08	22.29	22.15	23	1.5		
15	HQAM	36	39	22.04	22.29	22.18				
15	HQAM	75	0	22.10	22.30	22.21				
15	HQAM	1	0	22.36	22.47	22.30				
15	HQAM	1	37	22.40	22.47	22.40	23	1.5		
15	HQAM	36	0	21.83	21.59	21.61				
15	HQAM	36	20	21.41	21.52	21.41				
15	HQAM	36	39	21.45	21.46	21.51	22	2.5		
15	HQAM	75	0	21.50	21.65	21.53				
15	HQAM	1	0	19.54	19.70	19.58				
15	HQAM	36	0	19.57	19.51	19.44	20	4.5		
15	HQAM	36	20	19.48	19.59	19.48				
15	HQAM	36	39	19.58	19.47	19.42	20	4.5		
15	HQAM	75	0	19.57	19.60	19.42				
Channel 2										
Frequency (MHz)				813.5	813.5	813.5				
5	QPSK	1	0	23.67	23.67	23.60				
5	QPSK	1	25	23.68	23.56	23.49	24.5	0		
5	QPSK	14	0	23.63	23.61	23.45				
5	QPSK	26	0	23.23	23.21	23.17				
5	QPSK	26	12	23.13	23.20	23.18	24	0.5		
5	QPSK	26	39	23.13	23.26	23.18				
5	QPSK	50	0	23.17	23.20	23.00				
5	HQAM	1	0	23.28	23.43	23.28	24	0.5		
5	HQAM	1	24	23.27	23.35	23.36				
5	HQAM	1	49	23.22	23.23	23.34				
5	HQAM	25	0	22.11	22.17	21.68				
5	HQAM	25	12	21.95	22.03	21.98	23	1.5		
5	HQAM	25	25	21.98	22.12	22.00				
5	HQAM	50	0	22.02	22.19	22.15				
5	HQAM	50	12	22.01	22.22	22.28				
5	HQAM	1	25	22.31	22.34	22.35	23	1.5		
5	HQAM	1	49	22.43	22.29	22.16				
5	HQAM	25	0	21.87	21.45	21.48				
5	HQAM	25	12	21.26	21.36	21.42	22	2.5		
5	HQAM	25	25	21.45	21.43	21.27				
5	HQAM	50	0	19.59	19.62	19.58	20	4.5		
5	HQAM	1	49	19.42	19.46	19.38				
5	HQAM	25	0	19.40	19.52	19.38				
5	HQAM	25	12	19.42	19.45	19.40	20	4.5		
5	HQAM	25	25	19.38	19.33	19.35				
5	HQAM	50	0	19.27	19.48	19.39				
Channel 3										
Frequency (MHz)				813.5	813.5	813.5				
5	QPSK	1	0	23.67	23.71	23.60				
5	QPSK	1	12	23.59	23.60	23.49	24.5	0		
5	QPSK	14	0	23.63	23.61	23.45				
5	QPSK	12	0	23.22	23.21	23.17				
5	QPSK	12	7	23.02	23.29	23.18	24	0.5		
5	QPSK	12	39	23.02	23.26	23.18				
5	QPSK	26	0	23.13	23.25	23.16				
5	HQAM	1	0	23.35	23.39	23.33	24	0.5		
5	HQAM	1	24	23.35	23.39	23.36				
5	HQAM	1	24	23.31	23.25	23.36				
5	HQAM	12	0	22.16	22.08	22.01				
5	HQAM	12	19	22.06	22.19	22.08	23	1.5		
5	HQAM	12	13	21.90	22.19	22.08				
5	HQAM	25	0	22.07	22.19	22.09				
5	HQAM	25	0	22.07	22.32	22.18				
5	HQAM	1	12	22.30	22.31	22.34	23	1.5		
5	HQAM	1	24	22.26	22.25	22.19				
5	HQAM	12	0	21.87	21.52	21.54				
5	HQAM	12	7	21.29	21.40	21.43	22	2.5		
5	HQAM	12	13	21.44	21.36	21.35				
5	HQAM	12	39	21.42	21.53	21.43				
5	HQAM	1	0	19.42	19.63	19.58	20	4.5		
5	HQAM	1	24	19.44	19.60	19.50				
5	HQAM	1	24	19.41	19.46	19.40				
5	HQAM	12	0	19.38	19.42	19.42				
5	HQAM	12	13	19.42	19.38	19.40	20	4.5		
5	HQAM	12	39	19.45	19.31	19.31				
5	HQAM	25	0	19.34	19.34	19.35				
Channel 4										
Frequency (MHz)				813.5	813.5	813.5				
3	QPSK	1	0	23.70	23.69	23.63				
3	QPSK	1	8	23.64	23.61	23.58	24.5	0		
3	QPSK	14	0	23.64	23.63	23.45				
3	QPSK	6	0	23.13	23.23	23.25				
3	QPSK	6	4	23.18	23.25	23.12	24	0.5		
3	QPSK	6	14	23.13	23.28	23.07				
3	QPSK	15	0	23.05	23.25	23.00				
3	HQAM	1	0	23.34	23.47	23.38	24	0.5		
3	HQAM	1	14	23.34	23.47	23.36				
3	HQAM	1	14	23.24	23.34	23.26				
3	HQAM	6	0	22.16	22.20	22.03				
3	HQAM	6	7	22.07	22.21	22.04				
3	HQAM	6	7	22.06	22.08	22.01	23	1.5		
3	HQAM	15	0	22.06	22.21	22.17				
3	HQAM	1	0	22.30	22.44	22.29				
3	HQAM	1	8	22.37	22.33	22.34	23	1.5		
3	HQAM	14	20	22.30	22.22	22.27				
3	HQAM	6	0	21.68	21.58	21.48				
3	HQAM	6	4	21.52	21.51	21.43	22	2.5		
3	HQAM	6	7	21.32	21.52	21.34				
3	HQAM	15	0	21.48	21.59	21.50				
3	HQAM	1	0	19.43	19.63	19.53	20	4.5		
3	HQAM	1	8	19.38	19.58	19.52				
3	HQAM	1	14	19.42	19.45	19.31				
3	HQAM	6	0	19.42	19.51	19.38				
3	HQAM	6	4	19.47	19.21	19.40	20	4.5		
3	HQAM	6	7	19.48	19.34	19.41				
3	HQAM	15	0	19.30	19.39	19.35				
Channel 5										
Frequency (MHz)				814.7	813.5	813.5				
1.4	QPSK	1	0	23.65	23.79	23.57				
1.4	QPSK	1	3	23.68	23.72	23.57	24.5	0		
1.4	QPSK	1	25	23.54	23.59	23.52				
1.4	QPSK	3	0	23.61	23.71	23.56				
1.4	QPSK	3	1	23.51	23.68	23.52	24	0.5		
1.4	QPSK	3	3	23.52	23.68	23.42				
1.4	QPSK	6	0	23.16	23.26	23.01	24	0.5		
1.4	HQAM	1	0	23.26	23.47	23.38				
1.4	HQAM	1	3	23.33	23.43	23.32				
1.4	HQAM	1	3	23.27	23.28	23.32	24	0.5		
1.4	HQAM	3	0	23.15	23.33	23.21				
1.4	HQAM	3	1	23.25	23.35	23.21				
1.4	HQAM	3	3	23.18	23.19	23.26	23	1.5		
1.4	HQAM	6	0	21.95	22.16	22.06				
1.4	HQAM	6	0	22.22	22.28	22.23				
1.4	HQAM	1	3	22.38	22.29	22.37	23	1.5		
1.4	HQAM	1	6	22.25	22.33	22.20				
1.4	HQAM	1	6	22.20	22.25	22.09				
1.4	HQAM	3	1	22.30	22.28	22.25				
1.4	HQAM	3	3	22.12	22.26	22.14	22	2.5		
1.4	HQAM	3	6	21.97	21.96	21.42				
1.4	HQAM	1	0	19.43	19.69	19.59	20	4.5		
1.4	HQAM	1	3	19.40	19.44	19.35				
1.4	HQAM	3	0	19.41	19.47	19.33				
1.4	HQAM	3	1	19.42	19.38	19.40	20	4.5		
1.4	HQAM	3	3	19.43	19.41	19.29				
1.4	HQAM	6	0	19.36	19.58	19.31	20	4.5		

Band 26(ISED)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power (F/Hz)	Power (F/Hz)	Power (F/Hz)	Time-use (min)	MPE (dB)		
Channel 1										
Frequency (MHz)				813.5	813.5	813.5				
15	QPSK	1	0	23.75	23.75	23.75	24.5	0		
15	QPSK	1	23.75	23.75	23.75					
15	QPSK	1	74	23.75	23.75	23.75				
15	QPSK	36	20	23.75	23.75	23.75				
15	QPSK	36	39	23.75	23.75	23.75				
15	QPSK	36	39	23.75	23.75	23.75	24	0.5		
15	QPSK	36	20	23.75	23.75	23.75				
15	QPSK	36	39	23.75	23.75	23.75				
15	QPSK	36	39	23.75	23.75	23.75				
15	QPSK	36	20	23.75	23.75	23.75				
15	16QAM	1	0	23.50	23.51	23.44	24	0.5		
15	16QAM	1	23.50	23.51	23.44					
15	16QAM	1	74	23.50	23.51	23.44				
15	16QAM	36	20	23.50	23.51	23.44				
15	16QAM	36	39	23.50	23.51	23.44				
15	16QAM	36	39	23.50	23.51	23.44	23	1.5		
15	16QAM	36	20	23.50	23.51	23.44				
15	16QAM	36	39	23.50	23.51	23.44				
15	16QAM	36	39	23.50	23.51	23.44				
15	16QAM	36	20	23.50	23.51	23.44				
15	16QAM	36	20	23.25	23.27	23.21	23	1.5		
15	16QAM	36	39	23.25	23.27	23.21				
15	16QAM	36	39	23.25	23.27	23.21				
15	16QAM	36	20	23.25	23.27	23.21				
15	16QAM	36	20	23.25	23.27	23.21				
15	16QAM	36	0	22.47	22.49	22.30	23	1.5		
15	16QAM	36	0	22.47	22.49	22.30				
15	16QAM	36	0	22.47	22.49	22.30				
15	16QAM	36	0	22.47	22.49	22.30				
15	16QAM	36	0	22.47	22.49	22.30				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61	23	1.5		
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM	36	0	21.69	21.76	21.61				
15	16QAM									

Band 30_Ant 6										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq.	Power Made Ch / Freq.	Power High Ch / Freq.	Time-use (int./sec)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.53			17.8	0		
10	QPSK	1	25	17.39						
10	QPSK	1	49	17.41						
10	QPSK	25	0	17.43			17.8	0		
10	QPSK	25	12	17.37						
10	QPSK	25	25	17.42						
10	QPSK	50	0	17.46			17.8	0		
10	QPSK	50	1	17.39						
10	QPSK	50	25	17.52						
10	16QAM	1	49	17.56			17.8	0		
10	16QAM	25	0	17.38						
10	16QAM	25	12	17.48						
10	16QAM	25	25	17.48			17.8	0		
10	16QAM	50	0	17.46						
10	16QAM	50	1	17.36						
10	16QAM	1	25	17.42			17.8	0		
10	16QAM	1	49	17.41						
10	16QAM	1	25	17.51						
10	16QAM	25	0	17.51			17.8	0		
10	16QAM	25	12	17.43						
10	16QAM	25	25	17.48						
10	16QAM	50	0	17.48			17.8	0		
10	16QAM	50	1	17.37						
10	16QAM	50	25	17.47						
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.31	17.42	17.52	17.8	0		
5	QPSK	1	12	17.28	17.51	17.34				
5	QPSK	1	24	17.29	17.39	17.37				
5	QPSK	12	0	17.39	17.45	17.40	17.8	0		
5	QPSK	12	7	17.35	17.50	17.34				
5	QPSK	12	13	17.28	17.47	17.37				
5	QPSK	25	0	17.33	17.48	17.40	17.8	0		
5	QPSK	1	0	17.25	17.44	17.40				
5	16QAM	1	12	17.29	17.41	17.32				
5	16QAM	1	24	17.37	17.45	17.35	17.8	0		
5	16QAM	12	0	17.37	17.52	17.33				
5	16QAM	12	7	17.31	17.43	17.45				
5	16QAM	12	13	17.39	17.42	17.42	17.8	0		
5	16QAM	25	0	17.36	17.40	17.46				
5	16QAM	25	0	17.35	17.49	17.45			17.8	
5	16QAM	1	12	17.37	17.52	17.37	17.8	0		
5	16QAM	1	24	17.34	17.47	17.42				
5	16QAM	12	0	17.30	17.41	17.35				
5	16QAM	12	7	17.32	17.46	17.42	17.8	0		
5	16QAM	12	13	17.26	17.39	17.42				
5	16QAM	25	0	17.38	17.38	17.35				
5	256QAM	1	0	17.29	17.38	17.34	17.8	0		
5	256QAM	1	12	17.25	17.52	17.33				
5	256QAM	1	24	17.30	17.45	17.32				
5	256QAM	12	0	17.38	17.43	17.34	17.8	0		
5	256QAM	12	7	17.36	17.49	17.39				
5	256QAM	12	13	17.34	17.44	17.42				
5	256QAM	25	0	17.32	17.44	17.38				

Band 30_Ant 7											
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq.	Power Made Ch / Freq.	Power High Ch / Freq.	Turn-up (int./sec)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	18.14			20.4	0			
10	QPSK	1	25	18.06							
10	QPSK	1	49	18.03							
10	QPSK	25	0	18.12			20.4	0			
10	QPSK	25	12	18.08							
10	QPSK	25	25	18.05							
10	QPSK	50	0	18.03			20.4	0			
10	16QAM	1	0	18.09							
10	16QAM	1	25	18.04							
10	16QAM	1	49	18.02			20.4	0			
10	16QAM	25	0	18.09							
10	16QAM	25	12	18.07							
10	16QAM	25	25	18.06			20.4	0			
10	16QAM	50	0	18.08							
10	16QAM	50	1	18.00							
10	16QAM	1	25	18.10			20.4	0			
10	16QAM	1	49	18.09							
10	16QAM	1	25	18.04							
10	16QAM	25	12	18.07			20.4	0			
10	16QAM	25	25	18.06							
10	16QAM	50	0	18.01							
10	256QAM	1	0	17.75			18.9	1.5			
10	256QAM	1	49	17.80							
10	256QAM	1	49	17.81							
10	256QAM	25	0	17.79			18.9	1.5			
10	256QAM	25	12	17.71							
10	256QAM	25	25	17.74							
Channel											
Frequency (MHz)											
5	QPSK	1	0	18.03	18.10	18.02	20.4		0		
5	QPSK	1	12	18.00	18.02	18.04					
5	QPSK	1	24	18.00	18.01	18.07					
5	QPSK	12	0	18.03	18.07	18.07	20.4	0			
5	QPSK	12	7	18.02	18.05	18.08					
5	QPSK	12	13	18.08	18.01	18.07					
5	QPSK	25	0	18.01	18.02	18.01	20.4	0			
5	QPSK	1	0	18.03	18.07	18.08					
5	16QAM	1	12	18.02	18.03	18.04					
5	16QAM	1	24	18.07	18.09	18.04	20.4	0			
5	16QAM	12	0	18.05	18.09	18.05					
5	16QAM	12	7	18.04	18.06	18.05					
5	16QAM	12	13	18.03	18.09	18.01	20.4	0			
5	16QAM	25	0	18.05	18.05	18.08					
5	16QAM	25	0	18.02	18.05	18.05					
5	16QAM	1	12	18.01	18.07	18.05	20.4	0			
5	16QAM	1	24	18.01	18.05	18.02					
5	16QAM	12	0	18.05	18.07	18.02					
5	256QAM	1	0	17.69	17.69	17.67	18.9	1.5			
5	256QAM	1	24	17.45	17.51	17.53					
5	256QAM	12	0	17.68	17.68	17.68					
5	256QAM	12	7	17.66	17.68	17.67	18.9	1.5			
5	256QAM	12	13	17.62	17.71	17.72					
5	256QAM	25	0	17.65	17.69	17.65					

Band 66_Ant 6										
BW (MHz)	Modulation	RB sub	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on (dBm)	Mgmt (dB)		
Channel				130272	133232	133272				
Frequency (MHz)				1725	1743	1757				
20	QPSK	1	0	19.52	19.60	19.62				
20	QPSK	15	0	19.44	19.44	19.44	19.9	0		
20	QPSK	31	0	19.47	19.60	19.58				
20	QPSK	50	0	19.50	19.61					
20	QPSK	50	0	19.47	19.54	19.43				
20	QPSK	50	50	19.42	19.55	19.43				
20	QPSK	100	0	19.37	19.44	19.43				
20	QPSK	150	0	19.47	19.56	19.57				
20	QPSK	150	50	19.55	19.55	19.57		0		
20	QPSK	150	50	19.44	19.55	19.57				
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50	19.44	19.55	19.51		0		
20	QPSK	150	50							

Band 66_Ant 5																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (Frac)	Power Med Ch (Frac)	Power High Ch (Frac)	Tau (sec)	MFR (dB)								
Channel 153072 153252 153572																
Frequency (MHz)																
20	QPSK	1	0	21.85	22.01	21.94			22.6	0						
20	QPSK	1	48	21.86	22.01	21.92										
20	QPSK	1	96	21.87	22.04	21.93										
20	QPSK	50	24	21.85	22.01	21.88										
20	QPSK	50	50	21.84	22.02	21.88										
20	QPSK	100	0	21.88	21.91	21.88			22.6	0						
20	HQAM	1	0	21.87	21.92	21.96										
20	HQAM	1	49	21.95	21.93	21.94										
20	HQAM	50	0	21.93	21.98	21.96										
20	HQAM	50	24	21.87	21.95	21.88										
20	HQAM	100	0	21.92	21.94	21.88			22.6	0						
20	HQAM	1	0	21.84	21.94	21.97										
20	HQAM	1	99	21.94	21.93	21.97										
20	HQAM	50	0	21.95	21.93	20.96										
20	HQAM	50	50	20.95	21.07	20.96										
20	SSBDM	100	0	21.01	21.07	20.90			22	0.8						
20	SSBDM	1	0	21.07	21.07	20.93										
20	SSBDM	1	49	19.52	19.58	19.50										
20	SSBDM	1	99	19.36	19.30	19.47										
20	SSBDM	50	0	19.19	19.39	19.31										
20	SSBDM	50	24	19.17	19.37	19.29			20	2.6						
20	SSBDM	50	48	19.27	19.41	19.27										
20	SSBDM	100	0	19.40	19.49	19.39										
Channel 153047 153252 153572																
Frequency (MHz)																
15	QPSK	1	0	21.77	21.74	21.77			22.6	0						
15	QPSK	1	37	21.84	21.89	21.92										
15	QPSK	1	74	21.85	21.87	21.93										
15	QPSK	36	0	21.82	21.92	21.92										
15	QPSK	36	20	21.89	21.88	21.73										
15	QPSK	36	39	21.82	21.95	21.73			22.6	0						
15	HQAM	1	0	21.87	21.87	21.96										
15	HQAM	1	0	21.94	21.78	21.85										
15	HQAM	1	37	21.94	21.87	21.88										
15	HQAM	1	74	21.88	21.82	21.81										
15	HQAM	36	0	21.82	21.83	21.87			22.6	0						
15	HQAM	36	20	21.74	21.82	21.84										
15	HQAM	36	39	21.79	21.98	21.80										
15	HQAM	75	0	21.84	21.88	21.78										
15	HQAM	1	0	21.78	21.91	21.86										
15	HQAM	1	49	21.91	21.91	21.86			22.6	0						
15	HQAM	1	74	21.81	21.88	21.81										
15	HQAM	36	0	21.82	21.83	21.87										
15	HQAM	36	20	21.86	21.82	21.84										
15	HQAM	36	39	21.85	20.95	20.91										
15	HQAM	75	0	20.91	21.85	20.93			22	0.8						
15	HQAM	1	0	19.20	19.30	19.28										
15	SSBDM	1	49	19.28	19.43	19.38										
15	SSBDM	1	74	19.37	19.49	19.42										
15	SSBDM	36	0	19.17	19.32	19.16										
15	SSBDM	36	20	19.25	19.36	19.13			20	2.6						
15	SSBDM	36	39	19.15	19.35	19.19										
15	SSBDM	75	0	19.34	19.41	19.39										
Channel 153052 153252 153572																
Frequency (MHz)																
10	QPSK	1	0	21.75	21.74	21.75			22.6	0						
10	QPSK	1	25	21.84	21.88	21.92										
10	QPSK	1	49	21.86	21.89	21.91										
10	QPSK	12	0	21.85	22.00	21.93										
10	QPSK	12	12	21.89	21.88	21.72										
10	QPSK	25	0	21.72	22.02	21.87			22.6	0						
10	HQAM	1	0	21.88	21.81	21.87										
10	HQAM	1	25	21.86	21.84	21.83										
10	HQAM	1	49	21.89	21.83	21.79										
10	HQAM	25	0	21.82	21.88	21.89										
10	HQAM	25	12	21.86	21.79	21.47			22.6	0						
10	HQAM	25	25	21.79	21.93	21.80										
10	HQAM	50	0	21.87	21.85	21.83										
10	HQAM	1	49	21.80	21.91	21.81										
10	HQAM	1	25	20.95	21.09	20.95										
10	HQAM	25	12	20.98	20.98	20.98			22	0.8						
10	HQAM	25	25	20.95	20.99	20.95										
10	HQAM	50	0	20.95	20.99	20.92										
10	HQAM	1	49	19.20	19.43	19.34										
10	HQAM	1	25	19.28	19.31	19.38										
10	SSBDM	1	25	19.30	19.31	19.36			20	2.6						
10	SSBDM	1	49	19.24	19.43	19.34										
10	SSBDM	12	0	19.19	19.34	19.16										
10	SSBDM	12	12	19.23	19.36	19.24										
10	SSBDM	25	0	19.20	19.38	19.14										
10	SSBDM	25	25	19.20	19.38	19.14			20	2.6						
Channel 153057 153252 153572																
Frequency (MHz)																
5	QPSK	1	0	21.76	21.75	21.76			22.6	0						
5	QPSK	1	12	21.86	21.81	21.87										
5	QPSK	1	24	21.86	21.91	21.84										
5	QPSK	12	0	21.85	22.02	21.87										
5	QPSK	12	7	21.80	21.82	21.73										
5	QPSK	12	13	21.81	21.87	21.84			22.6	0						
5	HQAM	1	0	21.88	21.88	21.95										
5	HQAM	1	12	21.87	21.84	21.88										
5	HQAM	1	24	21.81	21.93	21.80										
5	HQAM	12	0	21.87	21.91	21.89										
5	HQAM	12	7	21.84	21.79	21.88			22.6	0						
5	HQAM	12	13	21.77	21.99	21.86										
5	HQAM	25	0	21.84	21.90	21.77										
5	HQAM	1	49	21.91	21.90	21.85										
5	HQAM	1	0	21.74	21.83	21.85										
5	HQAM	1	12	21.85	21.93	21.89			22.6	0						
5	HQAM	1	24	21.81	21.94	21.81										
5	HQAM	12	0	21.83	21.83	21.81										
5	HQAM	12	5	21.85	21.93	21.89										
5	HQAM	12	7	20.98	20.92	21.01										
5	HQAM	25	0	20.96	21.09	20.91			22	0.8						
5	HQAM	25	5	20.96	20.98	20.96										
5	HQAM	25	7	20.98	20.98	20.98										
5	HQAM	15	0	20.94	20.98	20.94										
5	HQAM	15	7	20.96	20.98	20.96			20	2.6						
5	SSBDM	1	49	19.28	19.43	19.32										
5	SSBDM	1	14	19.23	19.43	19.32										
5	SSBDM	1	24	19.19	19.34	19.16										
5	SSBDM	4	0	19.08	19.33	19.24										
5	SSBDM	7	0	19.25	19.36	19.14			20	2.6						
5	SSBDM	7	7	19.25	19.36	19.14										
Channel 153176 153252 153572																
Frequency (MHz)																
1.4	QPSK	1	0	21.67	21.71	21.67			22.6	0						
1.4	QPSK	1	8	21.79	21.88	21.79										
1.4	QPSK	3	0	21.63	21.97	21.71										
1.4	QPSK	3	7	21.78	21.77	21.77										
1.4	QPSK	3	14	21.80	21.98	21.74										
1.4	HQAM	6	0	21.60	21.76	21.74			22.6	0						
1.4	HQAM	6	8	21.81	21.87	21.81										
1.4	HQAM	1	0	21.63	21.94	21.97										
1.4	HQAM	1	8	21.82	21.84	21.82										
1.4	HQAM	1	14	21.88	21.88	21.88										
1.4	HQAM	6	0	21.60	21.92	21.92			22.6	0						
1.4	HQAM	1	0	21.70	21.83	21.84										
1.4	HQAM	1	8	21.84	21.87	21.88										
1.4	HQAM	1	14	21.90	21.80	21.75										
1.4	HQAM	3	0	20.96	21.04	20.93										
1.4	HQAM	3	8	20.99	20.98	20.98			22	0.8						
1.4	HQAM	3	14	20.96	20.98	20.98										
1.4	HQAM	15	0	20.96	20.98	20.98										
1.4	HQAM	15	8	20.98	20.98	20.98										
1.4	HQAM	15	14	20.96	20.98	20.98										
1.4	SSBDM	1	8	19.45	19.57	19.52			20	2.6						
1.4	SSBDM	1	14	19.23	19.43	19.32										
1.4	SSBDM	1	24	19.19	19.34	19.16										
1.4	SSBDM	4	0	19.08	19.33	19.24										
1.4	SSBDM	7	0	19.25	19.36	19.14										
1.4	SSBDM	7	7	19.25	19.36	19.14			20	2.6						
Channel 153176 153252 153572																
Frequency (MHz)																
1.4	QPSK	1	0	21.67	21.71	21.67			22.6	0						
1.4	QPSK	1	8	21.79	21.88	21.79										
1.4	QPSK	3	0	21.63	21.97	21.71										
1.4	QPSK	3	7	21.78	21.77	21.77										
1.4	QPSK	3	14	21.80	21.98	21.74										
1.4	HQAM	6	0	21.60	21.76	21.74			22.6	0						
1.4	HQAM	6	8	21.81	21.87	21.81										
1.4	HQAM	1	0	21.63	21.94	21.97										
1.4	HQAM	1	8	21.82	21.84	21.82										
1.4	HQAM	1	14	21.88	21.88	21.88										
1.4	HQAM	6	0	21.60	21.92	21.92			22.6	0						
1.4	HQAM	1	0	21.70	21.83	21.84										
1.4	HQAM	1	8	21.84	21.87	21.88										
1.4	HQAM	1	14	21.90	21.80	21.75										
1.4	HQAM	3	0	21.00	21.03	20.98										
1.4	HQAM	3	8	21.00	21.03	20.98			22	0.8						
1.4	HQAM	3	14	21.00	21.03	20.98										
1.4	HQAM	15	0	21.00	21.03	20.98										
1.4	HQAM	15	8	21.02	21.05	21.01										
1.4	HQAM	15	14	20.92	21.01	20.91										
1.4	SSBDM	1	8	19.45	19.53	19.51			20	2.6</						

Band 38_Ant 6									
BW (MHz)	Modulation	RB Bw	RB Offset	Power Low Ch / Fwh	Power High Ch / Fwh	Power High Ch / Fwh	Turn-up (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.18	20.18	20.20	20.4	0	
20	QPSK	1	40	20.03	20.04	20.01			
20	QPSK	1	80	20.05	20.12	20.05			
20	QPSK	50	0	20.18	20.14	20.05			
20	QPSK	50	24	20.09	20.05	19.99			
20	QPSK	50	50	20.04	20.08	19.97	20.4	0	
20	16QAM	1	0	20.14	20.14	19.93			
20	16QAM	1	40	20.02	20.02	19.98	20.4	0	
20	16QAM	1	80	20.14	20.10	19.94			
20	16QAM	50	0	20.08	20.14	19.95			
20	16QAM	50	24	20.01	20.09	19.94	20.4	0	
20	16QAM	100	0	20.11	20.14	19.95			
20	8QAM	1	0	20.11	20.07	20.01	20.4	0	
20	8QAM	1	40	20.04	20.11	19.95			
20	8QAM	1	80	20.04	20.08	19.95			
20	8QAM	50	0	20.11	20.15	19.94			
20	8QAM	50	24	20.12	20.14	20.00			
20	8QAM	50	50	20.05	20.15	20.04	20.4	0	
20	256QAM	1	0	19.28	19.28	19.28			
20	256QAM	1	40	19.31	19.44	19.23	19.9	0.5	
20	256QAM	1	80	19.31	19.25	19.23			
20	256QAM	50	0	19.28	19.45	19.28			
20	256QAM	50	24	19.29	19.45	19.42	19.9	0.5	
20	256QAM	100	0	19.34	19.38	19.31			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.08	20.04	20.05			
15	QPSK	1	37	19.84	19.95	19.91	20.4	0	
15	QPSK	1	74	20.02	20.03	19.99			
15	QPSK	36	0	20.02	20.07	19.99			
15	QPSK	36	20	19.99	19.91	19.83	20.4	0	
15	QPSK	36	36	19.91	19.91	19.83			
15	QPSK	75	0	19.97	19.95	19.92			
15	16QAM	1	0	20.11	19.95	19.84			
15	16QAM	1	37	20.00	20.01	19.85	20.4	0	
15	16QAM	1	74	20.03	20.03	19.92			
15	16QAM	36	0	19.95	20.03	19.83	20.4	0	
15	16QAM	36	36	19.90	19.95	19.81			
15	16QAM	75	0	19.98	20.00	19.88			
15	8QAM	1	0	20.08	20.05	19.99			
15	8QAM	1	37	20.03	19.98	19.83	20.4	0	
15	8QAM	1	74	20.05	20.05	19.94			
15	8QAM	36	0	20.00	20.01	19.90			
15	8QAM	36	20	20.07	20.08	19.88	20.4	0	
15	8QAM	75	0	20.02	20.05	19.95			
15	8QAM	75	0	20.04	20.03	19.90			
15	256QAM	1	0	19.22	19.23	19.22			
15	256QAM	1	37	19.17	19.31	19.23	19.9	0.5	
15	256QAM	1	74	19.15	19.35	19.20			
15	256QAM	36	0	19.22	19.35	19.27			
15	256QAM	36	20	19.27	19.35	19.27	19.9	0.5	
15	256QAM	75	0	19.19	19.38	19.28			
15	256QAM	75	0	19.20	19.32	19.21			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.15	20.05	20.15			
10	QPSK	1	25	19.95	19.99	20.00	20.4	0	
10	QPSK	1	40	19.85	19.98	19.92			
10	QPSK	1	60	19.85	19.95	19.88			
10	QPSK	25	12	19.84	19.93	19.88	20.4	0	
10	QPSK	25	25	20.03	20.00	19.83			
10	16QAM	1	0	20.11	20.01	19.82			
10	16QAM	1	25	20.01	19.97	19.80	20.4	0	
10	16QAM	1	40	20.00	19.99	19.88			
10	16QAM	25	0	19.92	20.00	19.88			
10	16QAM	25	12	19.89	20.00	19.83	20.4	0	
10	16QAM	50	0	19.96	20.00	19.85			
10	16QAM	50	0	19.88	20.11	19.91			
10	8QAM	1	0	19.96	20.00	19.85			
10	8QAM	1	25	19.91	20.02	19.82	20.4	0	
10	8QAM	1	40	20.02	20.00	19.80			
10	8QAM	25	0	19.92	20.00	19.85			
10	8QAM	25	12	19.89	20.07	19.81	20.4	0	
10	8QAM	50	0	19.91	19.93	19.82			
10	8QAM	50	12	19.88	20.08	19.80			
10	8QAM	50	25	19.91	20.01	19.83	20.4	0	
10	8QAM	100	0	20.02	19.92	19.80			
10	256QAM	1	0	19.17	19.27	19.26			
10	256QAM	1	25	19.24	19.32	19.18	19.9	0.5	
10	256QAM	1	40	19.15	19.35	19.20			
10	256QAM	25	0	19.14	19.37	19.27			
10	256QAM	25	12	19.21	19.44	19.26	19.9	0.5	
10	256QAM	25	25	19.15	19.35	19.25			
10	256QAM	50	0	19.28	19.26	19.18			
10	256QAM	50	0	19.29	19.32	19.22			
10	256QAM	100	0	19.32	19.31	19.24			
10	256QAM	100	0	19.33	19.32	19.25			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			
10	256QAM	12	7	19.16	19.43	19.30			

Band 38_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (Fwh)	Power High Ch (Fwh)	Power High Ch (Fwh)	Turn-up (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.18	20.18	20.20	20.9	0	
20	QPSK	1	40	20.02	20.02	19.91			
20	QPSK	1	80	20.05	20.08	19.94			
20	QPSK	50	0	19.95	20.08	19.92			
20	QPSK	50	24	19.83	19.94	19.85	20.9	0	
20	QPSK	50	50	19.97	19.96	19.94			
20	QPSK	100	0	19.93	19.98	19.94			
20	16QAM	1	0	20.04	20.02	19.92			
20	16QAM	1	40	20.07	20.01	19.97	20.9	0	
20	16QAM	1	80	20.04	20.01	19.92			
20	16QAM	50	0	20.00	20.04	19.91			
20	16QAM	50	24	19.94	19.97	19.89	20.9	0	
20	16QAM	100	0	20.05	20.02	20.01			
20	8QAM	1	0	20.05	20.08	19.99			
20	8QAM	1	40	19.95	20.01	19.85	20.9	0	
20	8QAM	1	80	19.93	19.95	19.87			
20	8QAM	50	0	20.00	20.04	19.91			
20	8QAM	50	24	19.86	19.92	19.85	20.9	0	
20	8QAM	100	0	20.05	20.02	20.01			
20	SSB	1	0	20.00	20.04	19.91			
20	SSB	1	40	19.89	19.84	19.81	20.9	0	
20	SSB	1	80	19.88	19.84	19.82			
20	SSB	50	0	19.83	19.84	19.82			
20	SSB	50	24	19.80	19.84	19.82	20.9	2	
20	SSB	100	0	19.84	19.84	19.83			
Channel				3760	3600	3675	Turn-up (dB)	MFR (dB)	
Frequency (MHz)				20.18	20.01	20.20			
15	QPSK	1	0	20.01	20.01	20.02	20.9	0	
15	QPSK	1	40	19.95	19.92	19.88			
15	QPSK	1	80	19.92	19.93	19.87			
15	QPSK	50	0	19.94	19.93	19.87			
15	QPSK	50	24	19.85	19.90	19.84	20.9	0	
15	QPSK	50	50	19.98	19.96	19.94			
15	QPSK	100	0	19.92	19.92	19.92			
15	16QAM	1	0	19.93	19.92	19.89			
15	16QAM	1	40	19.91	19.87	19.85	20.9	0	
15	16QAM	1	80	19.88	19.85	19.87			
15	16QAM	50	0	19.86	19.86	19.86			
15	16QAM	50	24	19.87	19.90	19.85	20.9	0	
15	16QAM	100	0	19.83	19.84	19.85			
15	8QAM	1	0	19.98	19.95	19.92			
15	8QAM	1	40	19.89	19.90	19.88	20.9	0	
15	8QAM	1	80	19.84	19.79	19.84			
15	8QAM	50	0	19.86	19.81	19.77			
15	8QAM	50	24	19.82	19.85	19.83	20.9	0	
15	8QAM	100	0	19.85	19.85	19.85			
15	SSB	1	0	19.95	19.95	19.95			
15	SSB	1	40	19.85	19.81	19.86	20.9	0	
15	SSB	1	80	19.84	19.79	19.82			
15	SSB	50	0	19.84	19.78	19.80	20.9	0	
15	SSB	50	24	19.83	19.78	19.80			
15	SSB	100	0	19.85	19.85	19.85			
15	SSB	100	24	19.80	19.81	19.79	20.9	2	
Channel				3760	3600	3675	Turn-up (dB)	MFR (dB)	
Frequency (MHz)				20.04	20.01	20.02			
5	QPSK	1	0	19.94	19.92	19.93	20.9	0	
5	QPSK	1	25	19.88	19.90	19.87			
5	QPSK	1	50	19.90	19.91	19.89			
5	QPSK	25	0	19.84	19.92	19.88			
5	QPSK	25	12	19.88	19.94	19.87	20.9	0	
5	QPSK	25	37	19.85	19.90	19.86			
5	QPSK	50	0	19.84	19.92	19.89			
5	QPSK	50	12	19.88	19.94	19.87	20.9	0	
5	QPSK	50	37	19.85	19.90	19.86			
5	16QAM	1	0	19.90	19.88	19.89	20.9	0	
5	16QAM	1	40	19.92	19.90	19.83			
5	16QAM	1	80	19.93	19.91	19.85			
5	16QAM	25	0	19.93	19.93	19.93	20.9	0	
5	16QAM	25	12	19.84	19.90	19.89			
5	16QAM	50	0	19.87	19.88	19.88			
5	16QAM	50	12	19.87	19.88	19.88	20.9	0	
5	16QAM	50	37	19.82	19.88	19.88			
5	8QAM	1	0	20.01	20.02	19.96			
5	8QAM	1	25	19.90	19.91	19.88	20.9	0	
5	8QAM	1	50	19.92	19.92	19.88			
5	8QAM	25	0	19.92	19.90	19.88			
5	8QAM	25	12	19.85	19.91	19.88	20.9	0	
5	8QAM	50	0	19.84	19.85	19.84			
5	8QAM	50	12	19.83	19.89	19.88			
5	8QAM	50	37	19.83	19.83	19.82	20.9	0	
5	8QAM	1	25	19.83	19.83	19.82			
5	SSB	1	0	19.95	19.93	19.93	20.9	0	
5	SSB	1	25	19.88	19.90	19.87			
5	SSB	1	50	19.90	19.91	19.89			
5	SSB	25	0	19.88	19.92	19.88	20.9	0	
5	SSB	25	12	19.83	19.89	19.88			
5	SSB	50	0	19.93	19.93	19.93			
5	SSB	50	12	19.83	19.83	19.82	20.9	0	
5	SSB	50	37	19.85	19.85	19.84			
5	SSB	1	25	19.83	19.83	19.82			
5	SSB	1	50	19.84	19.84	19.81	20.9	0	
5	SSB	1	100	19.81	19.81	19.82			
5	SSB	25	0	19.83	19.83	19.82	20.9	0	
5	SSB	25	12	19.78	19.80	19.78			
5	SSB	50	0	19.81	19.81	19.80			
5	SSB	50	12	19.83	19.83	19.83	20.9	0	
5	SSB	50	37	19.80	19.80	19.79			
5	SSB	1	25	19.78	19.78	19.78	20.9	2	

Band 38_Ant 0									
SRW (MHz)	Modulation	RIS Size	RIS Offset	Power Spectral Density (mW/Hz)	Power Spectral Density (mW/Hz)	Power Spectral Density (mW/Hz)	Transmit Power (dBm)	MFR (dB)	
Channel				37860	38000	38150			
Frequency (MHz)									
30	QPSK	1	0	16.78	17.05	16.93			
30	QPSK	1	49	16.78	17.05	16.88		17.4	0
30	QPSK	50	0	16.81	16.96	16.93			
30	QPSK	50	0	16.77	17.05	17.05			
30	QPSK	50	24	16.78	17.04	16.94		17.4	0
30	QPSK	100	0	16.78	17.04	16.94			
30	QPSK	1	0	16.78	17.04	16.94			
30	QPSK	1	49	16.71	16.93	16.91			
30	QPSK	1	0	16.76	17.03	16.94			
30	QPSK	1	99	16.84	16.96	16.96			
30	QPSK	50	0	16.78	16.96	17.01			
30	QPSK	50	24	16.78	16.96	16.96		17.4	0
30	QPSK	100	0	16.78	16.96	16.96			
30	QPSK	1	0	16.82	16.94	16.93			
30	QPSK	1	49	16.81	17.02	16.94			
30	QPSK	1	99	16.78	17.05	16.94			
30	QPSK	50	0	16.86	16.94	16.97			
30	QPSK	50	24	16.74	16.98	16.97			
30	QPSK	100	0	16.78	17.05	16.94			
30	QPSK	100	0	16.77	16.94	16.94			
30	QPSK	1	49	16.76	17.04	16.94			
30	QPSK	1	99	16.77	16.93	17.03			
30	QPSK	1	99	16.78	17.04	16.93			
30	QPSK	50	24	16.73	16.92	16.94		17.4	0
30	QPSK	100	0	16.72	17.03	17.01			
30	QPSK	100	0	16.73	17.04	16.93			
Channel				37920	38060	38175			
Frequency (MHz)									
15	QPSK	1	0	16.74	17.01	16.72			
15	QPSK	1	97	16.83	16.97	16.97			
15	QPSK	1	74	16.74	16.93	16.87			
15	QPSK	1	99	16.78	16.98	16.97			
15	QPSK	30	20	16.76	16.89	16.87		17.4	0
15	QPSK	30	20	16.76	16.89	16.87			
15	QPSK	75	0	16.83	16.93	16.93			
15	QPSK	1	0	16.69	16.96	16.96			
15	QPSK	1	0	16.71	16.98	16.97		17.4	0
15	QPSK	30	20	16.77	16.93	16.87			
15	QPSK	30	20	16.77	16.93	16.87			
15	QPSK	36	39	16.83	16.86	16.85			
15	QPSK	36	39	16.83	16.86	16.85			
15	QPSK	1	0	16.74	16.84	16.83			
15	QPSK	1	97	16.71	16.98	16.87		17.4	0
15	QPSK	1	99	16.71	16.98	16.87			
15	QPSK	30	0	16.72	16.80	16.84			
15	QPSK	30	20	16.84	16.97	16.95			
15	QPSK	30	20	16.83	16.95	16.92			
15	QPSK	75	0	16.73	16.89	16.95			
15	QPSK	1	97	16.73	16.92	16.92			
15	QPSK	1	99	16.76	16.98	16.95			
15	QPSK	1	74	16.81	16.97	16.88			
15	QPSK	30	20	16.75	16.88	16.93			
15	QPSK	30	20	16.76	16.97	16.96			

Band 41_Ant 6												
RW (MHz)	Modulation	RB Size	Rf Offset	Fat/Clean Power (mW)	Power Floor (dBm)	Power Mask (dBm)	Power Mask (dBm)	Power Mask (dBm)	Power Mask (dBm)	Power Mask (dBm)	Turn-on time (ms)	MPE (dB)
Channel				39790	39790	41016	41020	41055	41450			
20	QPSK	1	0	25.54	25.54	25.54	25.54	25.54	25.54	25.54		
20	QPSK	1	48	25.57	25.58	26.63	25.55	26.81	26.47	25.9	0	
20	QPSK	1	96	25.54	25.53	25.54	25.54	25.54	25.54	25.54		
20	QPSK	50	0	25.54	25.54	25.54	25.54	25.54	25.54	25.54		
20	QPSK	100	0	25.54	25.54	25.54	25.54	25.54	25.54	25.54		
20	QPSK	1000	0	25.54	25.54	25.54	25.54	25.54	25.54	25.54		
20	16QAM	1	0	25.55	25.56	26.63	25.56	26.80	26.42	25.9	0	
20	16QAM	1	48	25.58	25.59	26.63	25.58	26.80	26.42	25.9	0	
20	16QAM	1	96	25.55	25.56	25.55	25.55	25.55	25.55	25.55		
20	16QAM	50	0	25.57	25.57	25.57	25.57	25.57	25.57	25.57		
20	16QAM	100	0	25.57	25.57	25.57	25.57	25.57	25.57	25.57		
20	16QAM	1000	0	25.57	25.57	25.57	25.57	25.57	25.57	25.57		
20	64QAM	1	0	25.57	25.58	26.56	25.57	26.59	26.38	25.9	0	
20	64QAM	1	48	25.58	25.57	26.54	25.58	26.61	26.48	25.9	0	
20	64QAM	1	96	25.57	25.57	25.57	25.57	25.57	25.57	25.57		
20	64QAM	50	0	25.57	25.58	26.56	25.57	26.59	26.38	25.9	0	
20	64QAM	100	0	25.57	25.58	26.56	25.57	26.59	26.38	25.9	0	
20	64QAM	1000	0	25.57	25.58	26.56	25.57	26.59	26.38	25.9	0	
20	256QAM	1	0	25.58	25.58	26.51	25.58	26.59	26.47	25.9	0	
20	256QAM	1	48	25.58	25.58	26.51	25.58	26.59	26.47	25.9	0	
20	256QAM	1	96	25.58	25.58	25.58	25.58	25.58	25.58	25.58		
20	256QAM	50	0	25.58	25.58	26.51	25.58	26.59	26.47	25.9	0	
20	256QAM	100	0	25.58	25.58	26.51	25.58	26.59	26.47	25.9	0	
20	256QAM	1000	0	25.58	25.58	26.51	25.58	26.59	26.47	25.9	0	
19.5	QPSK	1	48	19.57	19.55	19.57	19.57	19.55	19.45	19.5	1	
20	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
20	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
20	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
20	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	100	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1000	0	19.58	19.58	19.54	19.54	19.55	19.54	19.5	1	
19.5	QPSK	1	96	19.58	19.59	19.43	19.41	19.44	19.36	19.5	1	
19.5	QPSK	50	0	19.58	19.58	19.54	19.54	19.55	19.54	1		

[illegible]

Band 41 Ant 7												
BW (MHz)	Modulation	RB Size	RB Cnt	Ch. Freq. (MHz)	Power (W) (Ch. Freq.)	Power (W) (Low Ch. Freq.)	Power (W) (High Ch. Freq.)	Power (W) (High Ch. Freq.)	Power (W) (High Ch. Freq.)	Transmit Band (MHz)	MFR (MHz)	
Chemical												
Frequency (MHz)												
20	QPSK	1	5	3676	3676	46185	46050	41505	41540			
20	QPSK	1	5	3678	3678	46185	46050	41505	41540			
20	QPSK	1	48	3676	3676	20.24	20.44	20.53	20.30	20.21	21	0
20	QPSK	1	48	3678	3678	20.24	20.44	20.53	20.30	20.21		
20	QPSK	50	5	3676	3676	20.24	20.44	20.53	20.30	20.21		
20	QPSK	50	5	3678	3678	20.24	20.44	20.53	20.30	20.21		
20	QPSK	50	24	3676	3676	20.24	20.44	20.53	20.30	20.21	21	0
20	QPSK	50	24	3678	3678	20.24	20.44	20.53	20.30	20.21		
20	QPSK	100	5	3676	3676	20.24	20.44	20.53	20.30	20.21		
20	QPSK	100	5	3678	3678	20.24	20.44	20.53	20.30	20.21		
20	QPSK	1	48	3676	3676	20.24	20.44	20.53	20.30	20.21	21	0
20	QPSK	1	48	3678	3678	20.24	20.44	20.53	20.30	20.21		
20	QPSK	50	24	3676	3676	20.24	20.44	20.53	20.30	20.21	21	0
20	QPSK	50	24	3678	3678	20.24	20.44	20.53	20.30	20.21		
20	QPSK	100	5	3676	3676	20.24	20.44	20.53	20.30	20.21		
20	QPSK	100	5	3678	3678	20.24	20.44	20.53	20.30	20.21		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	1	48	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	1	48	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	50	24	3676	3676	18.47	18.45	18.51	18.46	18.31	19	2
20	QPSK	50	24	3678	3678	18.47	18.45	18.51	18.46	18.31		
20	QPSK	100	5	3676	3676	18.47	18.45	18.51				

Band 41 (HPUE)_Ant 7												
RF [MHz]	Modulation	RB Size	RB Cnt	Power Pch [dBm]	Power Pch [dBm]	Power Pch [dBm]	Power Pch [dBm]	Power Pch [dBm]	Power Pch [dBm]	Power Pch [dBm]	Power Pch [dBm]	Power Pch [dBm]
Channel				35766	35766	40186	40186	40186	40186	40186	40186	40186
Frequency [MHz]				22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
20	QPSK	1	0	-22.0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4
20	QPSK	1	48	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
20	QPSK	50	0	-22.0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4
20	QPSK	50	48	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
20	QPSK	50	0	-22.0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4
20	QPSK	50	48	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
20	QPSK	100	0	-21.7	-21.6	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9
20	QPSK	100	48	-21.6	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8
20	QPSK	1	48	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6
20	QPSK	1	96	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6
20	QPSK	50	24	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6
20	QPSK	50	96	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6
20	QPSK	100	0	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6
20	QPSK	100	48	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6
20	QPSK	1	0	-22.4	-21.8	-21.6	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0
20	QPSK	1	96	-22.4	-21.8	-21.6	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0
20	QPSK	50	24	-22.0	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8
20	QPSK	50	96	-22.0	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8
20	QPSK	100	0	-21.8	-21.7	-21.6	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0
20	QPSK	100	48	-21.7	-21.6	-21.5	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9
20	QPSK	1	48	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
20	QPSK	50	96	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
20	QPSK	50	24	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
20	QPSK	50	96	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
20	QPSK	100	0	-20.7	-20.6	-20.5	-20.4	-20.3	-20.2	-20.1	-20.0	-19.9
20	QPSK	100	48	-20.6	-20.5	-20.4	-20.3	-20.2	-20.1	-20.0	-19.9	-19.8
Channel				35766	35766	40186	40186	40186	40186	40186	40186	40186
Frequency [MHz]				21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
15	QPSK	1	0	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
15	QPSK	1	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
15	QPSK	1	96	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
15	QPSK	50	0	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
15	QPSK	50	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
15	QPSK	50	0	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
15	QPSK	50	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
15	QPSK	100	0	-21.4	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6
15	QPSK	100	48	-21.3	-21.2	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5
15	QPSK	1	48	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
15	QPSK	50	96	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
15	QPSK	50	24	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
15	QPSK	50	96	-21.1	-21.0	-20.9	-20.8	-20.7	-20.6	-20.5	-20.4	-20.3
15	QPSK	100	0	-20.7	-20.6	-20.5	-20.4	-20.3	-20.2	-20.1	-20.0	-19.9
15	QPSK	100	48	-20.6	-20.5	-20.4	-20.3	-20.2	-20.1	-20.0	-19.9	-19.8
Channel				35766	35766	40186	40186	40186	40186	40186	40186	40186
Frequency [MHz]				21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
10	QPSK	1	0	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	1	24	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6	-19.4
10	QPSK	1	48	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6	-19.4	-19.2
10	QPSK	1	96	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6	-19.4	-19.2
10	QPSK	25	12	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6	-19.4
10	QPSK	25	24	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6	-19.4	-19.2
10	QPSK	25	48	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6	-19.4	-19.2	-19.0
10	QPSK	25	96	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6	-19.4	-19.2	-19.0
10	QPSK	1	0	-21.5	-21.3	-21.1	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9
10	QPSK	1	24	-21.3	-21.1	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9	-19.7
10	QPSK	1	48	-21.1	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9	-19.7	-19.5
10	QPSK	1	96	-21.1	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9	-19.7	-19.5
10	QPSK	25	12	-21.3	-21.1	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9	-19.7
10	QPSK	25	24	-21.1	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9	-19.7	-19.5
10	QPSK	25	48	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9	-19.7	-19.5	-19.3
10	QPSK	25	96	-20.9	-20.7	-20.5	-20.3	-20.1	-19.9	-19.7	-19.5	-19.3
10	QPSK	1	0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
10	QPSK	1	24	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	1	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	1	96	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	12	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	25	24	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	48	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	25	96	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	1	0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
10	QPSK	1	24	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	1	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	1	96	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	12	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	25	24	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	48	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	25	96	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	1	0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
10	QPSK	1	24	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	1	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	1	96	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	12	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	25	24	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	48	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	25	96	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	1	0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
10	QPSK	1	24	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	1	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	1	96	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	12	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	25	24	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	48	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	25	96	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	1	0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
10	QPSK	1	24	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	1	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	1	96	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	12	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	25	24	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	48	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	25	96	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8	-19.6
10	QPSK	1	0	-21.8	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2
10	QPSK	1	24	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	1	48	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	1	96	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0	-19.8
10	QPSK	25	12	-21.6	-21.4	-21.2	-21.0	-20.8	-20.6	-20.4	-20.2	-20.0
10	QPSK	25	24	-21.4	-21.2	-2						

Band 41_Ant 5														
RF Band	Modulation	RF Size	RF Offset	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Time-on-Air (sec)	MFR rate
Frequency (MHz)														
20	QPSK	1	0	23.18	23.21	23.25	23.18	23.21	23.25	23.18	23.21	23.25	23.3	0
20	QPSK	1	49	23.08	23.09	23.10	23.08	23.09	23.10	23.08	23.09	23.10	23.3	0
20	QPSK	1	113	23.08	23.09	23.10	23.08	23.09	23.10	23.08	23.09	23.10	23.3	0
20	QPSK	50	0	23.08	23.11	23.15	23.08	23.11	23.15	23.08	23.11	23.15	23.3	0
20	QPSK	50	24	23.03	23.08	23.08	23.15	23.20	23.08	23.15	23.20	23.08	23.3	0
20	QPSK	50	49	23.03	23.09	23.10	23.15	23.20	23.09	23.10	23.15	23.20	23.3	0
20	QPSK	100	0	23.14	23.07	23.01	23.15	23.06	23.00	23.20	23.08	23.08	23.3	0
20	QPSK	100	49	23.14	23.07	23.01	23.15	23.06	23.00	23.20	23.08	23.08	23.3	0
20	QPSK	1	49	23.18	23.18	23.15	23.22	23.24	23.18	23.22	23.24	23.18	23.3	0
20	QPSK	1	99	23.17	23.08	23.12	23.18	23.21	23.14	23.18	23.21	23.14	23.3	0
20	QPSK	50	24	23.06	23.14	23.18	23.28	23.24	23.24	23.28	23.24	23.24	23.3	0.5
20	QPSK	50	49	23.28	23.18	23.18	23.42	23.21	23.22	23.42	23.21	23.22	23.3	0.5
20	QPSK	50	99	23.18	23.18	23.15	23.22	23.24	23.18	23.22	23.24	23.18	23.3	0.5
20	QPSK	1	0	21.97	22.02	22.05	21.98	22.03	22.07	21.98	22.03	22.07	22.8	0.5
20	QPSK	1	99	22.13	22.12	22.22	22.22	22.15	22.25	22.15	22.25	22.15	22.8	0.5
20	QPSK	50	0	21.16	21.17	21.30	21.30	21.36	21.36	21.30	21.36	21.30	21.8	1.5
20	QPSK	50	24	21.16	21.18	21.26	21.26	21.32	21.32	21.26	21.32	21.26	21.8	1.5
20	QPSK	50	49	21.16	21.18	21.26	21.26	21.32	21.32	21.26	21.32	21.26	21.8	1.5
20	QPSK	100	0	21.24	21.25	21.30	21.34	21.40	21.40	21.30	21.40	21.30	21.8	1.5
20	QPSK	100	49	21.13	21.09	21.13	21.13	21.17	21.17	21.13	21.17	21.13	21.8	1.5
20	QPSK	1	49	19.22	19.35	19.33	19.35	19.38	19.38	19.35	19.38	19.35	19.8	3.5
20	QPSK	50	99	18.24	18.24	18.27	18.27	18.30	18.30	18.27	18.30	18.27	19.8	3.5
20	QPSK	50	24	19.33	19.22	19.23	19.37	19.38	19.38	19.30	19.38	19.30	19.8	3.5
20	QPSK	50	49	19.33	19.22	19.23	19.37	19.38	19.38	19.30	19.38	19.30	19.8	3.5
20	QPSK	1	0	19.28	19.28	19.31	19.31	19.35	19.35	19.31	19.35	19.31	19.8	3.5
Channel														
Frequency (MHz)				39785	39793	40753	40600	40600	41000	41000	41400	41400	Time-on-Air (sec)	MFR rate
16	QPSK	1	0	23.18	23.18	23.08	23.18	23.27	23.01	23.18	23.27	23.01	23.3	0
16	QPSK	1	37	22.99	23.08	23.02	23.03	23.04	23.04	22.99	23.04	23.04	23.3	0
16	QPSK	1	113	23.08	23.09	23.10	23.08	23.09	23.10	23.08	23.09	23.10	23.3	0
16	QPSK	50	0	23.06	23.07	23.10	23.08	23.08	23.08	23.07	23.08	23.07	23.3	0
16	QPSK	50	24	22.81	22.99	22.99	23.07	23.28	22.87	22.99	23.07	23.28	23.3	0
16	QPSK	50	49	22.81	22.99	22.99	23.07	23.28	22.87	22.99	23.07	23.28	23.3	0
16	QPSK	100	0	23.04	23.06	23.09	23.13	23.27	23.07	23.04	23.27	23.07	23.3	0
16	QPSK	1	0	23.18	23.23	23.26	23.18	23.26	23.29	23.18	23.26	23.29	23.3	0
16	QPSK	1	49	23.09	23.08	23.15	23.09	23.08	23.15	23.09	23.08	23.15	23.3	0
16	QPSK	1	74	23.07	23.05	23.08	23.13	23.26	23.09	23.07	23.13	23.26	23.3	0
16	QPSK	50	0	23.06	23.08	23.15	23.13	23.27	23.06	23.08	23.15	23.27	23.3	0
16	QPSK	50	24	22.86	22.94	23.01	23.24	23.20	22.86	22.94	23.01	23.20	23.3	0.5
16	QPSK	50	49	22.86	22.94	23.01	23.24	23.20	22.86	22.94	23.01	23.20	23.3	0.5
16	QPSK	100	0	22.26	22.08	21.14	22.40	22.21	22.29	22.08	21.14	22.29	23.3	0.5
16	QPSK	100	49	22.26	22.08	21.14	22.40	22.21	22.29	22.08	21.14	22.29	23.3	0.5
16	QPSK	1	0	21.90	21.97	21.95	22.08	21.90	22.08	21.90	22.08	21.90	22.8	0.5
16	QPSK	1	37	22.10	22.12	22.10	22.23	22.10	22.23	22.10	22.23	22.10	22.8	0.5
16	QPSK	1	113	22.10	22.12	22.10	22.23	22.10	22.23	22.10	22.23	22.10	22.8	0.5
16	QPSK	50	0	21.09	21.12	21.21	21.23	21.09	21.23	21.09	21.23	21.09	21.8	1.5
16	QPSK	50	24	21.09	21.15	21.25	21.25	21.09	21.25	21.09	21.25	21.09	21.8	1.5
16	QPSK	50	49	21.09	21.15	21.25	21.25	21.09	21.25	21.09	21.25	21.09	21.8	1.5
16	QPSK	100	0	21.24	21.23	21.24	21.30	21.05	21.18	21.24	21.30	21.05	21.8	1.5
16	QPSK	100	49	21.10	21.23	21.30	21.30	21.05	21.18	21.10	21.30	21.05	21.8	1.5
16	QPSK	1	49	19.27	19.37	19.35	19.37	19.40	19.37	19.27	19.37	19.40	19.8	3.5
16	QPSK	1	99	19.21	19.30	19.32	19.35	19.36	19.37	19.21	19.30	19.32	19.8	3.5
16	QPSK	50	99	18.16	18.16	18.24	18.27	18.30	18.30	18.16	18.16	18.24	19.8	3.5
16	QPSK	50	24	18.30	18.14	18.18	18.32	18.36	18.36	18.14	18.18	18.32	19.8	3.5
16	QPSK	50	49	18.30	18.20	18.11	18.33	18.38	18.38	18.20	18.11	18.33	19.8	3.5
16	QPSK	100	0	18.25	18.35	18.35	18.25	18.35	18.35	18.25	18.35	18.35	19.8	3.5
16	QPSK	100	49	18.17	18.16	18.16	18.28	18.30	18.30	18.17	18.16	18.16	19.8	3.5
Channel				39740	39690	40590	40500	40500	41000	41000	41400	41400	Time-on-Air (sec)	MFR rate
Frequency (MHz)														
20	QPSK	1	0	23.18	23.12	23.15	23.08	23.01	23.04	23.18	23.12	23.15	23.3	0
20	QPSK	1	26	23.05	23.07	23.08	23.05	23.06	23.07	23.05	23.06	23.07	23.3	0
20	QPSK	1	113	23.05	23.07	23.08	23.05	23.06	23.07	23.05	23.06	23.07	23.3	0
20	QPSK	50	0	23.03	23.04	23.02	23.11	23.28	23.04	23.03	23.04	23.02	23.3	0
20	QPSK	50	24	23.02	23.08	23.03	23.06	23.06	23.04	23.02	23.08	23.03	23.3	0
20	QPSK	50	49	23.08	23.11	23.11	23.27	23.29	23.11	23.08	23.11	23.11	23.3	0
20	QPSK	100	0	23.04	22.87	22.89	23.02	23.26	23.04	23.04	22.87	22.89	23.3	0
20	QPSK	100	49	23.04	22.87	22.89	23.02	23.26	23.04	23.04	22.87	22.89	23.3	0
20	QPSK	1	0	23.18	23.23	23.26	23.18	23.26	23.29	23.18	23.26	23.29	23.3	0
20	QPSK	1	49	23.10	23.29	23.08	23.18	23.28	23.12	23.10	23.29	23.08	23.3	0
20	QPSK	1	99	23.11	23.13	23.11	23.27	23.29	23.11	23.13	23.11	23.27	23.3	0
20	QPSK	50	0	22.30	22.33	23.08	23.28	23.20	22.30	22.33	23.08	23.28	23.3	0.5
20	QPSK	50	24	22.34	22.08	22.07	23.11	23.23	22.34	22.08	22.07	23.11	23.3	0.5
20	QPSK	50	49	22.34	22.08	22.07	23.11	23.23	22.34	22.08	22.07	23.11	23.3	0.5
20	QPSK	1	0	21.84	22.05	21.88	22.14	21.76	21.88	21.84	22.05	21.76	22.8	0.5
20	QPSK	1	26	22.10	22.21	22.23	22.31	22.08	22.13	22.10	22.21	22.23	22.8	0.5
20	QPSK	1	113	22.10	22.21	22.23	22.31	22.08	22.13	22.10	22.21	22.23	22.8	0.5
20	QPSK	50	0	21.15	21.09	21.21	21.15	21.01	21.11	21.15	21.09	21.21	21.8	1.5
20	QPSK	50	24	21.15	21.25	21.31	21.31	21.15	21.25	21.15	21.25	21.31	21.8	1.5
20	QPSK	50	49	21.26	21.21	21.21	21.33	21.01	21.11	21.26	21.21	21.21	21.8	1.5
20	QPSK	100	0	21.09	21.17	21.23	21.27	21.05	21.20	21.09	21.17	21.23	21.8	1.5
20	QPSK	100	49	21.09	21.17	21.23	21.27	21.05	21.20	21.09	21.17	21.23	21.8	1.5
20	QPSK	1	26	19.18	19.24	19.22	19.31	19.05	19.18	19.18	19.24	19.22	19.8	3.5
20	QPSK	1	49	19.04	18.12	18.22	18.17	18.01	18.07	19.04	18.12	18.22	19.8	3.5
20	QPSK	50	99	18.36	18.15	18.18	18.32	18.36	18.15	18.18	18.32	18.36	19.8	3.5
20	QPSK	50	24	19.24	18.20	18.19	19.23	18.56	19.28	19.24	18.20	18.19	19.8	3.5
20	QPSK	50	49	19.24	18.20	18.19	19.23	18.56	19.28	19.24	18.20	18.19	19.8	3.5
20	QPSK	100	0	19.17	19.26	19.17	19.24	18.95	19.10	19.17	19.26	19.17	19.8	3.5
Channel				39756	39675	40548	40500	40500	41000	41000	41400	41400	Time-on-Air (sec)	MFR rate
Frequency (MHz)														
5	QPSK	1	0	23.12	23.09	23.15	23.22	23.07	23.01	23.12	23.09	23.15	22.8	0
5	QPSK	1	19	22.96	22.99	22.89	23.08	23.28	22.89</					

Part 96 & RSS-192_Band 48_Ant 10												
BW (MHz)	Modulation	RB Bw	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on (dBm)	MFR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	95.53	95.60	95.60	95.65					
20	QPSK	1	0	95.53	95.60	95.60	95.65					
20	QPSK	1	49	17.44	17.45	17.34	17.29	18.3	0			
20	QPSK	50	0	17.42	17.46	17.46	17.52					
20	QPSK	50	0	17.42	17.46	17.46	17.52					
20	QPSK	50	24	17.41	17.45	17.34	17.28	18.3	0			
20	QPSK	100	0	17.40	17.42	17.34	17.31					
20	QPSK	100	0	17.40	17.42	17.44	17.37					
20	HQAM	1	99	17.44	17.46	17.44	17.29	18.3	0			
20	HQAM	50	0	17.36	17.51	17.31	17.25					
20	HQAM	50	24	17.43	17.51	17.34	17.30	18.3	0			
20	HQAM	100	0	17.42	17.47	17.34	17.30					
20	HQAM	1	49	17.38	17.45	17.44	17.36					
20	HQAM	1	99	17.48	17.45	17.44	17.30					
20	HQAM	50	0	17.43	17.52	17.44	17.27					
20	HQAM	50	50	17.35	17.49	17.41	17.28	18.3	0			
20	HQAM	100	0	17.42	17.52	17.51	17.25					
20	HQAM	1	0	17.43	17.53	17.45	17.35					
20	HQAM	1	49	17.37	17.46	17.33	17.29	18.3	0			
20	HQAM	1	99	17.36	17.52	17.43	17.25					
20	HQAM	50	24	17.43	17.51	17.43	17.35	18.3	0			
20	HQAM	100	0	17.36	17.46	17.35	17.35					
Channel												
Frequency (MHz)												
15	QPSK	1	0	95.53	95.60	95.60	95.65					
15	QPSK	1	0	95.53	95.60	95.60	95.65					
15	QPSK	1	97	17.33	17.35	17.24	17.17	18.3	0			
15	QPSK	1	74	17.32	17.31	17.31	17.17					
15	QPSK	36	0	17.38	17.49	17.28	17.27					
15	QPSK	36	20	17.27	17.42	17.35	17.29	18.3	0			
15	QPSK	75	0	17.34	17.40	17.31	17.29					
15	HQAM	1	0	17.27	17.38	17.34	17.24	18.3	0			
15	HQAM	1	97	16.30	17.40	17.25	17.25					
15	HQAM	1	74	17.43	17.39	17.32	17.27					
15	HQAM	36	0	17.27	17.40	17.35	17.28					
15	HQAM	36	20	17.38	17.39	17.28	17.20	18.3	0			
15	HQAM	75	0	17.28	17.53	17.27	17.27					
15	HQAM	1	0	17.38	17.37	17.24	17.17					
15	HQAM	1	97	16.40	17.43	17.30	17.21					
15	HQAM	1	74	17.38	17.43	17.22	17.24					
15	HQAM	36	0	17.34	17.45	17.33	17.28	18.3	0			
15	HQAM	36	20	17.41	17.48	17.37	17.16					
15	HQAM	75	0	17.28	17.40	17.31	17.25					
15	HQAM	1	0	17.38	17.45	17.40	17.28	18.3	0			
15	HQAM	1	97	17.45	17.45	17.32	17.25					
15	HQAM	1	74	17.38	17.43	17.22	17.24					
15	HQAM	36	20	17.28	17.47	17.35	17.23	18.3	0			
15	HQAM	36	59	17.46	17.47	17.38	17.29					
15	HQAM	75	0	17.34	17.41	17.35	17.25					
Channel												
Frequency (MHz)												
10	QPSK	1	0	95.56	95.61	95.61	95.65					
10	QPSK	1	25	16.37	16.38	16.23	16.16	18.3	0			
10	QPSK	1	49	16.86	16.86	16.81	16.72					
10	QPSK	35	12	16.84	16.84	16.91	16.95	17.7	0			
10	QPSK	25	25	16.82	17.00	16.80	16.86					
10	HQAM	1	0	16.86	16.82	16.86	16.77					
10	HQAM	1	25	16.89	16.92	16.75	16.72	17.7	0			
10	HQAM	1	49	16.87	16.93	16.89	16.79					
10	HQAM	35	12	16.86	16.93	16.84	16.76					
10	HQAM	25	0	16.89	16.92	16.91	16.87					
10	HQAM	25	12	16.87	16.86	16.85	16.86					
10	HQAM	50	0	16.79	16.91	16.76	16.86					
10	HQAM	1	0	16.88	16.82	16.82	16.71					
10	HQAM	1	25	16.89	16.92	16.85	16.79	17.7	0			
10	HQAM	1	49	16.87	16.94	16.77	16.72					
10	HQAM	35	12	16.88	16.90	16.82	16.87					
10	HQAM	25	25	16.88	16.79	16.85	16.81					
10	HQAM	50	0	16.84	16.93	16.90	16.83					
10	HQAM	1	25	16.83	16.88	16.81	16.82	17.7	0			
10	HQAM	1	49	16.89	16.85	16.83	16.89					
10	HQAM	35	12	16.86	16.86	16.85	16.86					
10	HQAM	25	0	16.79	16.92	16.75	16.88					
10	HQAM	25	12	16.88	16.85	16.84	16.89					
10	HQAM	50	0	16.84	16.96	16.86	16.72	17.7	0			
10	HQAM	50	0	16.87	16.91	16.84	16.71					
Channel												
Frequency (MHz)												
5	QPSK	1	0	95.56	95.61	95.61	95.65					
5	QPSK	1	12	16.32	16.30	16.16	16.12	18.3	0			
5	QPSK	1	24	16.32	16.48	16.18	16.20					
5	QPSK	12	0	16.86	16.84	16.94	16.97	17.7	0			
5	QPSK	12	7	16.87	16.80	16.80	16.88					
5	QPSK	25	0	16.77	17.00	16.82	16.82					
5	HQAM	1	12	16.88	16.89	16.80	16.83					
5	HQAM	1	24	16.82	16.87	16.82	16.70					
5	HQAM	12	0	16.81	16.84	16.83	16.80					
5	HQAM	12	7	16.83	16.98	16.86	16.72					
5	HQAM	12	13	16.85	16.81	16.82	16.74					
5	HQAM	25	0	16.79	16.77	16.73	16.72					
5	HQAM	1	12	16.89	16.88	16.79	16.73	17.7	0			
5	HQAM	1	24	16.84	16.93	16.80	16.80					
5	HQAM	12	0	16.84	17.02	16.77	16.70					
5	HQAM	12	7	16.86	16.92	16.84	16.74					
5	HQAM	12	13	16.87	16.80	16.82	16.80					
5	HQAM	25	0	17.01	16.88	16.82	16.85					

Part 96 & RSS-192_Band 48_Ant 13												
BW (MHz)	Modulation	RB Bw	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (mW)	MFR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.03	17.07	17.04	16.95					
20	QPSK	1	49	16.97	17.00	16.92	16.95		17.7	0		
20	QPSK	1	99	16.90	16.92	16.97	16.79					
20	QPSK	50	0	17.01	17.08	17.01	16.79					
20	QPSK	50	50	16.96	17.04	16.96	16.71		17.7	0		
20	QPSK	100	0	16.92	17.02	16.91	16.75					
20	HQAM	1	0	17.00	16.95	16.90	16.81					
20	HQAM	1	49	17.01	16.96	16.96	16.77					
20	HQAM	1	99	16.99	16.98	16.94	16.72					
20	HQAM	50	0	16.91	16.94	16.96	16.74					
20	HQAM	50	24	16.88	17.04	16.85	16.79		17.7	0		
20	HQAM	100	0	16.97	16.94	16.98	16.79					
20	64QAM	1	0	16.99	16.96	17.03	16.73		17.7	0		
20	64QAM	1	49	16.97	17.05	16.91	16.78					
20	64QAM	1	99	16.95	17.04	16.97	16.77					
20	64QAM	50	0	16.95	17.01	16.90	16.77					
20	64QAM	50	50	16.91	17.02	16.93	16.72		17.7	0		
20	64QAM	100	0	16.90	17.00	16.97	16.83					
20	256QAM	1	0	16.97	17.04	17.03	16.71		17.7	0		
20	256QAM	1	49	16.96	17.00	16.98	16.73					
20	256QAM	1	99	16.95	16.98	16.97	16.71					
20	256QAM	50	0	16.88	16.97	16.92	16.83		17.7	0		
20	256QAM	100	0	16.90	16.97	16.96	16.83					
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.99	17.07	16.94	16.75					
15	QPSK	1	49	16.93	16.99	16.77	16.82		17.7	0		
15	QPSK	1	99	16.86	16.90	16.87	16.69					
15	QPSK	50	0	17.00	17.04	16.98	16.89					
15	QPSK	50	50	16.93	16.80	16.83	16.67		17.7	0		
15	QPSK	100	0	16.91	16.92	16.93	16.75					
15	HQAM	1	0	16.94	16.86	16.88	16.81					
15	HQAM	1	49	16.93	16.86	16.89	16.79		17.7	0		
15	HQAM	1	99	16.90	16.89	16.86	16.70					
15	HQAM	50	0	16.86	16.94	16.87	16.74		17.7	0		
15	HQAM	50	24	16.75	17.01	16.88	16.85					
15	HQAM	100	0	16.90	17.00	16.93	16.75					
15	64QAM	1	0	16.91	16.86	16.90	16.85					
15	64QAM	1	49	16.91	16.92	16.95	16.86					
15	64QAM	1	99	16.91	16.90	16.89	16.82		17.7	0		
15	64QAM	50	0	16.87	16.94	16.87	16.87					
15	64QAM	50	50	16.86	16.92	16.87	16.85		17.7	0		
15	64QAM	100	0	16.82	16.97	16.77	16.65					
15	256QAM	1	0	16.89	16.90	16.91	16.83		17.7	0		
15	256QAM	1	49	16.89	16.90	16.87	16.81					
15	256QAM	1	99	16.89	16.90	16.87	16.81					
15	256QAM	50	0	16.80	16.97	17.01	16.75		17.7	0		
15	256QAM	1	24	16.94	16.90	16.96	16.71					
15	256QAM	1	49	16.93	16.92	16.94	16.71					
15	256QAM	1	99	16.90	16.91	16.93	16.71					
15	256QAM	50	50	16.87	16.86	16.82	16.70		17.7	0		
15	256QAM	100	0	16.89	16.93	16.91	16.81					
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.97	16.96	17.03	16.76					
10	QPSK	1	24	16.88	17.00	16.91	16.88					
10	QPSK	1	49	16.83	16.97	16.86	16.82		17.7	0		
10	QPSK	1	99	16.80	16.94	16.85	16.69					
10	QPSK	50	0	16.94	16.84	16.91	16.58		17.7	0		
10	QPSK	50	24	16.87	16.92	16.95	16.72					
10	QPSK	100	0	16.77	16.88	16.84	16.82					
10	HQAM	1	0	16.90	16.92	16.96	16.77					
10	HQAM	1	49	16.89	16.92	16.94	16.72					
10	HQAM	1	99	16.86	16.91	16.89	16.70					
10	HQAM	50	0	16.80	16.92	16.91	16.71		17.7	0		
10	HQAM	50	24	16.88	16.93	16.94	16.76					
10	HQAM	100	0	16.89	16.91	16.92	16.76					
10	64QAM	1	0	16.96	16.82	16.94	16.71					
10	64QAM	1	24	16.94	16.99	16.85	16.73		17.7	0		
10	64QAM	1	49	16.93	17.04	16.77	16.72					
10	64QAM	1	99	16.93	16.95	16.87	16.67					
10	64QAM	50	0	16.89	17.00	16.75	16.67		17.7	0		
10	64QAM	50	24	16.94	16.80	16.90	16.81					
10	64QAM	100	0	16.90	16.92	16.90	16.82					
10	256QAM	1	0	16.83	16.88	16.91	16.81		17.7	0		
10	256QAM	1	49	16.89	16.85	16.83	16.59					
10	256QAM	1	99	16.88	16.92	16.91	16.72					
10	256QAM	50	0	16.88	16.91	16.88	16.72		17.7	0		
10	256QAM	50	24	16.86	16.95	16.84	16.82					
10	256QAM	100	0	16.84	16.86	16.80	16.70					
10	256QAM	1	0	16.90	16.88	16.91	16.81					
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.96	16.96	17.00	16.83					
5	QPSK	1	12	16.96	16.96	16.85	16.87		17.7	0		
5	QPSK	1	24	16.82	16.77	16.96	16.82					
5	QPSK	1	36	16.82	16.75	16.85	16.74					
5	QPSK	12	7	16.84	16.78	16.99	16.58		17.7	0		
5	QPSK	12	19	16.84	16.78	16.99	16.58					
5	QPSK	25	0	16.97	17.00	16.82	16.82					
5	QPSK	25	8	16.77	16.94	16.98	16.73		17.7	0		
5	HQAM	1	0	16.96	16.82	16.94	16.71					
5	HQAM	12	0	16.81	16.84	16.83	16.60					
5	HQAM	12	6	16.81	16.86	16.82	16.60					
5	HQAM	25	0	16.80	16.88	16.82	16.72		17.7	0		
5	HQAM	12	13	16.85	16.91	16.82	16.74					
5	HQAM	25	12	16.82	16.92	16.84	16.68					
5	64QAM	1	0	16.99	16.88	16.98	16.81					
5	64QAM	1	12	16.94	16.93	16.80	16.80		17.7	0		
5	64QAM	1	24	16.89	16.87	16.82	16.77					
5	64QAM	12	7	16.90	16.89	16.82	16.75		17.7	0		
5	64QAM	12	19	16.88	16.88	16.81	16.72					
5	64QAM	25	0	16.90	16.83	16.85	16.71					
5	256QAM	1	0	16.90	16.82	16.92	16.70					
5	256QAM	1	12	16.77	16.90	17.07	16.89					
5	256QAM	1	24	16.83	16.80	16.87	16.64					
5	256QAM	1	36	16.83	17.03	16.88	16.67					
5	256QAM	12	7	16.86	16.91	16.85	16.80		17.7	0		
5	256QAM	12	19	16.81	16.90	16.75	16.71					

Reduced Power Mode for DSI 4

GSM900_Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		Limit			Limit		Limit			Limit	
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)	
GSM 1 Tx slot		32.03	32.06	32.05	33.00		23.03	23.06	23.05	24.00	
	GPRS 1 Tx slot	31.99	32.02	31.99			22.99	23.02	22.99		
	GPRS 2 Tx slots	29.70	28.95	29.14			23.70	22.85	23.14		
	GPRS 3 Tx slots	27.29	26.43	26.61			23.00	22.17	22.35		
GPRS 4 Tx slots		25.84	25.90	25.85	27.50		22.84	22.90	22.85	24.50	
	EDGE(GMSK 1 Tx slot)	31.99	32.06	31.99			22.99	23.06	22.99		
	EDGE(GMSK 2 Tx slot)	29.73	29.04	29.18			23.73	23.04	23.18		
	EDGE(GMSK 3 Tx slot)	27.23	26.48	26.63			22.97	22.22	22.37		
EDGE(GMSK 4 Tx slot)		25.84	25.83	25.94	27.50		22.84	22.83	22.90	24.50	
	EDGE 1 Tx slot	27.20	27.05	27.08			18.20	18.05	18.08		
	EDGE 2 Tx slots	24.10	24.11	23.71			18.10	18.11	17.71		
	EDGE 3 Tx slots	22.57	22.24	21.94			18.31	17.98	17.68		
EDGE 4 Tx slots		21.46	21.17	20.92	23.50		18.46	18.17	17.82	19.50	
	DTM Multi-slot class 5	29.68	29.51	29.06			23.64	22.86	23.06		
	GPRS 1 Tx slot	29.64	28.85	29.10			23.64	22.86	23.06		
	GPRS 1 Tx slot	29.56	28.93	29.11			23.58	22.87	23.05		
DTM Multi-slot class 9		29.65	28.86	29.04	30.00					23.98	
	GPRS 1 Tx slot	29.65	28.86	29.04							
	GPRS 1 Tx slot	27.11	26.30	26.46			22.91	22.07	22.26		
	GPRS 1 Tx slot	27.25	26.38	26.51			22.91	22.07	22.26		
DTM Multi-slot class 11		29.57	28.89	29.11	30.00					23.98	
	GPRS 1 Tx slot	29.57	28.89	29.11							
	EDGE 1 Tx slot	24.09	24.10	23.56			21.82	21.10	21.15		
	EDGE 1 Tx slot	29.64	28.80	29.13			21.65	21.00	21.19		
DTM Multi-slot class 5		23.97	23.97	23.68	25.00					22.16	
	GSM 1 Tx slot	27.25	26.38	26.51							
	EDGE 1 Tx slot	27.25	26.38	26.51							
	EDGE 2 Tx slots	22.46	22.09	21.81			20.43	19.77	19.73		

GSM1900_Ant 7		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		Limit			Limit		Limit			Limit	
Frequency (MHz)		1850.2	1860	1869.8	(dBm)		1850.2	1860	1869.8	(dBm)	
GSM 1 Tx slot		29.51	29.60	29.54	30.00		20.51	20.60	20.54	21.00	
	GPRS 1 Tx slot	29.41	29.58	29.48			20.41	20.58	20.48		
	GPRS 2 Tx slots	26.54	26.77	26.26			20.54	20.77	20.26		
	GPRS 3 Tx slots	24.74	24.96	24.54			20.48	20.70	20.28		
GPRS 4 Tx slots		21.82	21.95	21.56	25.00		20.82	20.95	20.56	22.00	
	EDGE(GMSK 1 Tx slot)	29.39	29.46	29.34			20.39	20.46	20.34		
	EDGE(GMSK 2 Tx slot)	26.48	26.76	26.11			20.48	20.76	20.11		
	EDGE(GMSK 3 Tx slot)	24.70	24.83	24.58			20.44	20.57	20.32		
EDGE(GMSK 4 Tx slot)		23.76	24.51	23.52	25.00		20.76	20.91	20.52	22.00	
	EDGE 1 Tx slot	23.24	23.42	23.20			16.24	16.42	16.20		
	EDGE 2 Tx slots	22.48	22.85	22.52			16.48	16.85	16.52		
	EDGE 3 Tx slots	21.11	21.43	21.23			16.85	17.17	16.97		
EDGE 4 Tx slots		20.38	20.65	20.42	21.00		17.38	17.65	17.42	18.00	
	GSM 1 Tx slot	26.45	26.65	26.18			20.44	20.64	20.18		
	GPRS 1 Tx slot	26.48	26.68	26.22			20.44	20.64	20.18		
	GPRS 1 Tx slot	26.44	26.64	26.20			20.39	20.63	20.14		
DTM Multi-slot class 5		26.39	26.66	26.12	27.00					20.98	
	GSM 1 Tx slot	26.64	24.81	24.58			20.41	20.63	20.27		
	GPRS 1 Tx slot	26.69	24.93	24.51			20.41	20.63	20.27		
	GPRS 1 Tx slot	26.44	26.82	26.20			18.85	19.11	18.71		
DTM Multi-slot class 9		26.44	26.82	26.20	27.00					19.57	
	EDGE 1 Tx slot	22.40	22.83	22.48							
	EDGE 1 Tx slot	26.52	26.65	26.17			18.89	19.13	18.69		
	EDGE 1 Tx slot	22.34	22.83	22.51			18.89	19.13	18.69		
DTM Multi-slot class 11		24.67	24.89	24.54	25.00		18.37	18.61	18.35	19.51	
	GSM 1 Tx slot	21.08	21.34	21.19							
	EDGE 2 Tx slots										
	EDGE 2 Tx slots										

Band		WCDMA II_Ant 7			Tune-up		WCDMA II_Ant 6			Tune-up	
TX Channel		Limit			Limit		Limit			Limit	
Rx Channel		9262	9400	9538	(dBm)		9262	9400	9538	(dBm)	
Frequency (MHz)		1862.4	1860	1867.6	(dBm)		1852.4	1860	1867.6	(dBm)	
3GPP Rel 99	AMR 12.2Kbps	20.19	20.26	20.20	20.70		20.62	20.68	20.59	20.90	
	RMC 12.2Kbps	20.21	20.29	20.21			20.68	20.70	20.64		
	HSDPA Subtest-1	19.23	19.30	19.20			19.60	19.65	19.57		
	HSDPA Subtest-2	19.24	19.31	19.21			19.68	19.66	19.58		
3GPP Rel 6	HSDPA Subtest-3	19.75	19.81	19.69	20.50		18.66	18.67	18.57	19.90	
	HSDPA Subtest-4	18.80	18.77	18.67			18.66	18.66	18.59		
	DC-HSDPA Subtest-1	19.12	19.18	19.15			19.48	19.54	19.54		
	DC-HSDPA Subtest-2	19.19	19.18	19.10			19.62	19.57	19.48		
3GPP Rel 8	DC-HSDPA Subtest-3	18.73	18.79	18.61	20.30		18.65	18.52	18.52	19.90	
	DC-HSDPA Subtest-4	19.72	19.74	19.52			18.63	18.54	18.49		
	HSUPA Subtest-1	19.29	19.26	19.20			19.62	19.62	19.59		
	HSUPA Subtest-2	17.32	17.30	17.21			17.63	17.64	17.58		
3GPP Rel 6	HSUPA Subtest-3	18.26	18.28	18.22	20.00		18.62	18.66	18.56	19.40	
	HSUPA Subtest-4	17.31	17.31	17.24			17.65	17.66	17.58		
	HSUPA Subtest-5	19.30	19.40	19.30			19.70	19.70	19.60		
	HSUPA Subtest-6	17.25	17.26	17.18			17.56	17.57	17.49		

Band		WCDMA V_Ant 0				WCDMA V_Ant 1				
TX Channel		4192	4192	4233	Tune-up Limit	4192	4192	4233	Tune-up Limit	
Rx Channel		4357	4357	4458	(dBm)	4357	4407	4458	(dBm)	
Frequency (MHz)		4357	4407	4458	(dBm)	4357	4407	4458	(dBm)	
3GPP Rel 99	AMR 12.2Kbps	23.43	23.37	23.21	24.30	24.15	24.11	24.00	24.80	
3GPP Rel 99	RMC 12.2Kbps	23.46	23.49	23.33		24.23	24.27	24.08		
3GPP Rel 6	HSDPA Subtest-1	22.46	22.46	22.32		23.31	23.33	23.21		
3GPP Rel 6	HSDPA Subtest-2	22.50	22.45	22.32		23.39	23.36	23.20		
3GPP Rel 6	HSDPA Subtest-3	22.02	21.98	21.83	23.30	22.89	22.87	22.70	23.30	
3GPP Rel 6	HSDPA Subtest-4	22.01	21.96	21.84		22.88	22.88	22.70		
3GPP Rel 8	DC-HSDPA Subtest-1	22.37	22.34	22.27		23.19	23.31	23.19		
3GPP Rel 8	DC-HSDPA Subtest-2	22.46	22.36	22.26		23.17	23.28	23.24		
3GPP Rel 8	DC-HSDPA Subtest-3	22.01	21.90	21.71	23.30	22.74	22.76	22.76	23.30	
3GPP Rel 6	HSPA Subtest-1	21.93	21.91	21.83	23.30	22.71	22.72	22.72	23.30	
3GPP Rel 6	HSPA Subtest-2	22.53	22.49	22.34		23.26	23.34	23.28		
3GPP Rel 6	HSPA Subtest-3	21.39	21.40	21.26		21.81	21.31	21.23		
3GPP Rel 6	HSPA Subtest-4	21.45	21.48	21.31		22.80	22.28	21.23		
3GPP Rel 6	HSPA Subtest-5	20.51	20.48	20.28	21.80	21.21	21.32	21.20	21.80	
3GPP Rel 6	HSPA Subtest-6	20.52	20.50	20.30		21.40	21.40	21.20		
3GPP Rel 7	HSPA+ (1QAM) Subtest-1	22.63	20.54	20.44		21.80	21.46	21.49		21.34
3GPP Rel 7	HSPA+ (1QAM) Subtest-2	22.63	20.54	20.44		21.80	21.46	21.49		21.34

Band 2_Ant 6											
RF (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MFR (dB)			
Channel											
Frequency (MHz)				16700	16800	17000					
30	QPSK	1	0	20.35	20.43	20.50			21	0	
30	QPSK	1	49	20.49	20.48	20.46					
30	QPSK	1	99	20.53	20.53	20.41					
30	QPSK	50	0	20.45	20.57	20.51			21	0	
30	QPSK	50	24	20.34	20.45	20.34					
30	QPSK	50	49	20.36	20.32	20.32					
30	HQDM	100	0	20.42	20.48	20.48			21	0	
30	HQDM	1	0	20.48	20.45	20.41					
30	HQDM	1	49	20.35	20.44	20.42					
30	HQDM	50	0	20.41	20.47	20.50			21	0	
30	HQDM	50	24	20.30	20.40	20.52					
30	HQDM	50	49	20.25	20.47	20.16					
30	HQDM	100	0	20.33	20.46	20.25			21	0	
30	HQDM	100	0	20.42	20.39	20.47					
30	HQDM	1	49	20.38	20.34	20.35					
30	HQDM	1	99	20.39	20.42	20.30			21	0	
30	HQDM	50	0	20.38	20.35	20.24					
30	HQDM	50	24	20.20	20.43	20.25					
30	HQDM	50	49	20.29	20.46	20.27			21	0	
30	HQDM	100	0	20.32	20.43	20.30					
30	HQDM	100	0	20.43	20.40	20.48					
30	ZSSGM	1	0	18.86	18.86	18.76			19.3	1.7	
30	ZSSGM	1	49	18.11	18.24	18.20					
30	ZSSGM	1	99	18.82	18.82	18.81					
30	ZSSGM	50	0	18.91	18.95	18.93			19.3	1.7	
30	ZSSGM	50	24	18.79	18.92	18.86					
30	ZSSGM	50	49	18.88	18.87	18.86					
30	ZSSGM	100	0	18.73	18.83	18.69					
Channel				16675	16800	17000	Turn-on time (min)	MFR (dB)			
Frequency (MHz)				16675	16800	17000					
15	QPSK	1	0	20.50	20.52	20.48			21	0	
15	QPSK	1	37	20.38	20.35	20.34					
15	QPSK	1	74	20.40	20.39	20.27					
15	QPSK	38	0	20.44	20.45	20.27			21	0	
15	QPSK	38	20	20.38	20.42	20.31					
15	QPSK	38	40	20.31	20.41	20.38					
15	QPSK	75	0	20.38	20.45	20.34			21	0	
15	HQDM	1	0	20.40	20.41	20.38					
15	HQDM	1	37	20.31	20.38	20.38					
15	HQDM	1	74	20.38	20.43	20.18			21	0	
15	HQDM	38	0	20.31	20.32	20.27					
15	HQDM	38	20	20.27	20.38	20.15					
15	HQDM	38	40	20.15	20.45	20.17			21	0	
15	HQDM	75	0	20.31	20.44	20.17					
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27			21	0	
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10			21	0	
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41			21	0	
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15			21	0	
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27			21	0	
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27			21	0	
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23			21	0	
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27			21	0	
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10			21	0	
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41			21	0	
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15			21	0	
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27			21	0	
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27			21	0	
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23			21	0	
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27			21	0	
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10			21	0	
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41			21	0	
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15			21	0	
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27			21	0	
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27			21	0	
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23			21	0	
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27			21	0	
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10			21	0	
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41			21	0	
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15			21	0	
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27			21	0	
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27			21	0	
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23			21	0	
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27			21	0	
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10			21	0	
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41			21	0	
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15			21	0	
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27			21	0	
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27					
15	HQDM	1	74	20.36	20.42	20.27			21	0	
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10					
15	HQDM	38	40	20.23	20.25	20.23			21	0	
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34	20.46	20.41					
15	HQDM	1	37	20.30	20.29	20.27			21	0	
15	HQDM	1	74	20.36	20.42	20.27					
15	HQDM	38	0	20.35	20.45	20.15					
15	HQDM	38	20	20.25	20.29	20.10			21	0	
15	HQDM	38	40	20.23	20.25	20.23					
15	HQDM	75	0	20.31	20.32	20.27					
15	HQDM	75	0	20.34							

Band 4_Ant 6											Band 4_Ant 7											Band 4_Ant 5											Band 4_Ant 0										
BR [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Mode	Power High Ch [Frac]	Power High	Turn-up (dB)	MPE (dB)		BR [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Mode	Power High Ch [Frac]	Power High	Turn-up (dB)	MPE (dB)		BR [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Mode	Power High Ch [Frac]	Power High	Turn-up (dB)	MPE (dB)		BR [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Mode	Power High Ch [Frac]	Power High	Turn-up (dB)	MPE (dB)	
Channel				20050	20175	20305					Channel				20050	20175	20305					Channel				20050	20175	20305				Channel				20050	20175	20305					
Frequency (MHz)											Frequency (MHz)											Frequency (MHz)											Frequency (MHz)										
20	QPSK	1	0	20.44	20.55	20.60					20	QPSK	1	0	21.40	21.67	21.69					20	QPSK	1	0	21.05	21.69	21.69				20	QPSK	1	0	20.99	21.44	20.53					
20	QPSK	3	37	20.35	20.43	20.48					20	QPSK	3	37	21.43	21.48	21.48					22.5	0	20	QPSK	3	37	21.43	21.48	21.48				20	QPSK	3	37	21.43	21.48	21.48			
20	QPSK	1	99	20.37	20.49	20.48					20	QPSK	1	99	21.49	21.59	21.59							20	QPSK	1	99	21.57	21.64	21.62				20	QPSK	1	99	20.34	20.32	20.21			
20	QPSK	36	0	20.35	20.50	20.40					20	QPSK	36	0	21.43	21.63	21.60							20	QPSK	36	0	21.47	21.60	21.49				20	QPSK	36	0	20.37	20.43	20.26			
20	QPSK	50	24	20.36	20.38	20.42					20	QPSK	50	24	21.43	21.48	21.48							20	QPSK	50	24	21.49	21.52	21.52				20	QPSK	50	24	20.37	20.43	20.26			
20	QPSK	50	30	20.33	20.42	20.42					20	QPSK	50	30	21.54	21.47	21.58							20	QPSK	50	30	21.50	21.56	21.48				20	QPSK	50	30	20.36	20.40	20.21			
20	QPSK	100	0	20.32	20.49	20.41					20	QPSK	100	0	21.51	21.54	21.60							20	QPSK	100	0	21.56	21.59	21.52				20	QPSK	100	0	20.31	20.42	20.21			
20	QPSK	50	0	20.32	20.51	20.48					20	QPSK	50	0	21.52	21.52	21.56							20	QPSK	50	0	21.59	21.60	21.50				20	QPSK	50	0	20.32	20.37	20.27			
20	QPSK	1	49	20.39	20.54	20.44					20	QPSK	1	49	21.55	21.60	21.58							20	QPSK	1	49	21.62	21.66	21.48				20	QPSK	1	49	20.29	20.40	20.30			
20	QPSK	1	99	20.35	20.47	20.43					20	QPSK	1	99	21.48	21.56	21.63							20	QPSK	1	99	21.58	21.64	21.51				20	QPSK	1	99	20.33	20.39	20.19			
20	QPSK	36	0	20.33	20.49	20.40					20	QPSK	36	0	21.51	21.51	21.57							20	QPSK	36	0	21.52	21.55	21.61				20	QPSK	36	0	20.32	20.38	20.25			
20	QPSK	50	24	20.42	20.41	20.48					20	QPSK	50	24	21.29	21.37	21.37							20	QPSK	50	24	21.51	21.58	21.50				20	QPSK	50	24	20.38	20.37	20.28			
20	QPSK	50	30	20.42	20.42	20.42					20	QPSK	50	30	21.31	21.36	21.25							20	QPSK	50	30	21.36	21.42	21.32				20	QPSK	50	30	20.37	20.36	20.30			
20	QPSK	100	0	20.38	20.50	20.42					20	QPSK	100	0	21.38	21.38	21.38							20	QPSK	100	0	21.48	21.48	21.48				20	QPSK	100	0	20.32	20.39	20.31			
20	QPSK	1	0	20.37	20.48	20.43					20	QPSK	1	0	21.39	21.47	21.58							20	QPSK	1	0	21.42	21.67	21.67				20	QPSK	1	0	20.28	20.38	20.30			
20	QPSK	1	49	20.43	20.49	20.48					20	QPSK	1	49	21.49	21.53	21.59							20	QPSK	1	49	21.57	21.68	21.59				20	QPSK	1	49	20.34	20.29	20.26			
20	QPSK	1	99	20.39	20.49	20.40					20	QPSK	1	99	21.44	21.53	21.42							20	QPSK	1	99	21.48	21.58	21.46				20	QPSK	1	99	20.35	20.34	20.25			
20	QPSK	36	0	20.41	20.43	20.37					20	QPSK	36	0	20.23	20.37	20.17							20	QPSK	36	0	20.20	20.37	20.17				20	QPSK	36	0	20.30	20.41	20.28			
20	QPSK	50	24	20.32	20.47	20.43					20	QPSK	50	24	20.26	20.44	20.34							20	QPSK	50	24	20.28	20.44	20.34				20	QPSK	50	24	20.30	20.41	20.28			
20	QPSK	50	30	20.32	20.52	20.42					20	QPSK	50	30	20.28	20.52	20.38							20	QPSK	50	30	20.32	20.52	20.42				20	QPSK	50	30	20.30	20.41	20.28			
20	QPSK	100	0	20.41	20.54	20.43					20	QPSK	100	0	20.28	20.38	20.27							20	QPSK	100	0	20.25	20.38	20.27				20	QPSK	100	0	20.25	20.42	20.30			
20	QPSK	1	0	20.37	20.47	20.34					20	QPSK	1	0	20.40	20.47	20.42							20	QPSK	1	0	20.39	20.47	20.34				20	QPSK	1	0	20.37	20.47	20.34			
20	QPSK	1	49	20.43	20.49	20.48					20	QPSK	1	49	20.39	20.47	20.42							20	QPSK	1	49	20.38	20.47	20.42				20	QPSK	1	49	20.38	20.47	20.42			
20	QPSK	1	99	20.41	20.43	20.37					20	QPSK	1	99	20.39	20.47	20.42							20	QPSK	1	99	20.38	20.47	20.42				20	QPSK	1	99	20.38	20.47	20.42			
20	QPSK	36	0	20.41	20.43	20.37					20	QPSK	36	0	20.39	20.47	20.42							20	QPSK	36	0	20.38	20.47	20.42				20	QPSK	36	0	20.38	20.47	20.42			
20	QPSK	50	24	20.32	20.47	20.43					20	QPSK	50	24	20.32	20.47	20.43							20	QPSK	50	24	20.32	20.47	20.43				20	QPSK	50	24	20.32	20.47	20.43			
20	QPSK	50	30	20.32	20.52	20.42					20	QPSK	50	30	20.32	20.52	20.42							20	QPSK	50	30	20.32	20.52	20.42				20	QPSK	50	30	20.32	20.52	20.42			
20	QPSK	100	0	20.41	20.54	20.43					20	QPSK	100	0	20.28	20.38	20.27							20	QPSK	100	0	20.25	20.38	20.27				20	QPSK	100	0	20.25	20.42	20.30			
20	QPSK	1	0	20.37	20.47	20.34					20	QPSK	1	0	20.40	20.47	20.42							20	QPSK	1	0	20.39	20.47	20.34				20	QPSK	1	0	20.37	20.47	20.34			
20	QPSK	1	49	20.43	20.49	20.48					20	QPSK	1	49	20.39	20.47	20.42							20	QPSK	1	49	20.38	20.47	20.42				20	QPSK	1	49	20.38	20.47	20.42			
20	QPSK	1	99	20.41	20.43	20.37					20	QPSK	1	99	20.39	20.47	20.42							20	QPSK	1	99	20.38	20.47	20.42				20	QPSK	1	99	20.38	20.47	20.42			
20	QPSK	36	0	20.41	20.43	20.37					20	QPSK	36	0	20.39	20.47	20.42							20	QPSK	36	0	20.38	20.47	20.42				20	QPSK	36	0	20.38	20.47	20.42			
20	QPSK	50	24	20.32	20.47	20.43					20	QPSK	50	24	20.32	20.47	20.43							20	QPSK	50	24	20.32	20.47	20.43				20	QPSK	50	24	20.32	20.47	20.43			
20	QPSK	50	30	20.32	20.52	20.42					20	QPSK	50	30	20.32	20.52	20.42							20	QPSK	50	30	20.32	20.52	20.42				20	QPSK	50	30	20.32	20.52	20.42			
20	QPSK	100	0	20.41	20.54	20.43					20	QPSK	100	0	20.28	20.38	20.27							20	QPSK	100	0	20.25	20.38	20.27				20	QPSK	100	0	20.25	20.42	20.30			
20	QPSK	1	0	20.37	20.47	20.34					20	QPSK	1	0	20.40	20.47	20.42							20	QPSK	1	0	20.39	20.47	20.34				20	QPSK	1	0	20.37	20.47	20.34			
20	QPSK	1	49	20.43	20.49	20.48					20	QPSK	1	49	20.39	20.47	20.42							20	QPSK	1	49	20.38	20.47	20.42				20	QPSK	1	49	20.38	20.47	20.42			
20	QPSK	1	99	20.41	20.43	20.37					20	QPSK	1	99	20.39	20.47	20.42							20	QPSK	1	99	20.38	20.47	20.42				20	QPSK	1	99	20.38	20.47	20.42			
20	QPSK	36	0	20.41	20.43	20.37					20	QPSK	36	0	20.39	20.47	20.42							20	QPSK	36	0	20.38	20.47	20.42													

Band 5_Ant 1									
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on (min)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.32	24.33	24.37			
10	QPSK	1	25	24.34	24.25	24.19	25	0	
10	QPSK	1	40	24.32	24.25	24.18			
10	QPSK	25	0	23.17	23.30	23.12			
10	QPSK	25	12	23.15	23.24	23.17	24	1	
10	QPSK	25	25	23.15	23.25	23.18			
10	QPSK	50	0	23.18	23.25	23.13			
10	WQAM	1	0	23.73	23.75	23.73	24	1	
10	WQAM	25	0	23.60	23.61	23.58			
10	WQAM	1	49	23.59	23.63	23.62			
10	WQAM	25	0	22.37	22.42	22.33			
10	WQAM	25	12	22.28	22.35	22.25			
10	WQAM	25	25	22.31	22.39	22.27	23	2	
10	WQAM	50	0	22.24	22.27	22.20			
10	WQAM	1	0	22.02	22.77	22.72			
10	WQAM	1	25	22.77	22.80	22.70	23	2	
10	WQAM	1	49	22.89	22.83	22.77			
10	WQAM	25	0	21.91	21.70	21.57			
10	WQAM	25	12	21.60	21.71	21.86	22	3	
10	WQAM	25	25	21.57	21.68	21.60			
10	WQAM	50	0	21.58	21.68	21.65			
10	25GQAM	1	0	19.79	19.81	19.89			
10	25GQAM	1	25	19.82	19.83	19.88	20	5	
10	25GQAM	1	49	19.86	19.83	19.87			
10	25GQAM	25	0	19.79	19.74	19.80			
10	25GQAM	25	12	19.86	19.73	19.87	20	5	
10	25GQAM	25	25	19.71	19.78	19.77			
10	25GQAM	50	0	19.84	19.69	19.81			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.19	24.20	24.12			
5	QPSK	1	12	24.20	24.17	24.07	25	0	
5	QPSK	1	24	24.13	24.02	23.95			
5	QPSK	12	0	23.04	23.22	23.10			
5	QPSK	12	7	23.08	23.26	23.07	24	1	
5	QPSK	12	15	23.05	23.23	23.12			
5	QPSK	25	0	23.08	23.17	23.03			
5	WQAM	1	0	23.70	23.75	23.67			
5	WQAM	25	0	23.58	23.68	23.47	24	1	
5	WQAM	1	24	23.52	23.58	23.56			
5	WQAM	12	0	22.34	22.33	22.25			
5	WQAM	12	7	22.27	22.27	22.11	23	2	
5	WQAM	12	13	22.26	22.25	22.13			
5	WQAM	25	0	22.15	22.21	22.19			
5	WQAM	1	0	22.02	22.79	22.70			
5	WQAM	1	12	22.70	22.79	22.88	23	2	
5	WQAM	1	24	22.80	22.78	22.80			
5	WQAM	1	49	22.89	22.83	22.77			
5	WQAM	25	0	21.47	21.70	21.81	22	3	
5	WQAM	25	12	21.59	21.53	21.58			
5	WQAM	25	0	21.53	21.58	21.53			
5	25GQAM	1	0	19.63	19.69	19.81			
5	25GQAM	1	12	19.72	19.74	19.85	20	5	
5	25GQAM	1	24	19.61	19.65	19.52			
5	25GQAM	12	0	19.72	19.64	19.51			
5	25GQAM	12	7	19.70	19.75	19.74	20	5	
5	25GQAM	12	13	19.65	19.70	19.75			
5	25GQAM	25	0	19.48	19.62	19.50			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.25	24.29	24.12			
3	QPSK	1	8	24.18	24.18	24.10	25	0	
3	QPSK	1	24	24.10	24.03	23.95			
3	QPSK	8	0	23.04	23.23	23.04			
3	QPSK	8	4	23.14	23.25	23.09	24	1	
3	QPSK	8	16	23.07	23.24	23.17			
3	QPSK	16	0	23.12	23.15	23.06			
3	WQAM	1	0	23.64	23.68	23.65			
3	WQAM	1	0	23.63	23.67	23.47	24	1	
3	WQAM	1	14	23.51	23.57	23.49			
3	WQAM	8	0	22.36	22.39	22.25			
3	WQAM	8	4	22.34	22.34	22.11	23	2	
3	WQAM	8	7	22.29	22.37	22.13			
3	WQAM	15	0	22.15	22.29	22.15			
3	WQAM	1	0	22.47	22.65	22.60			
3	WQAM	1	8	22.72	22.79	22.67	23	2	
3	WQAM	1	14	22.99	22.86	22.86			
3	WQAM	8	0	21.58	21.65	21.58			
3	WQAM	8	4	21.52	21.64	21.63	22	3	
3	WQAM	15	0	21.50	21.65	21.59			
3	25GQAM	1	0	19.60	19.80	19.86			
3	25GQAM	1	8	19.72	19.77	19.86	20	5	
3	25GQAM	1	14	19.41	19.52	19.48			
3	25GQAM	8	0	19.60	19.61	19.51			
3	25GQAM	8	4	19.59	19.70	19.53	20	5	
3	25GQAM	8	7	19.63	19.69	19.75			
3	25GQAM	15	0	19.47	19.58	19.49			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.25	24.23	24.20			
1.4	QPSK	1	3	24.23	24.18	24.18	25	0	
1.4	QPSK	1	6	24.09	24.02	24.16			
1.4	QPSK	3	0	24.21	24.14	24.06			
1.4	QPSK	3	1	24.08	24.13	24.17	24	1	
1.4	QPSK	3	3	24.03	24.09	24.01			
1.4	QPSK	6	0	23.05	23.13	23.09	24	1	
1.4	WQAM	1	0	23.72	23.75	23.72			
1.4	WQAM	3	0	23.63	23.69	23.42			
1.4	WQAM	1	5	23.57	23.60	23.52	24	1	
1.4	WQAM	3	0	23.64	23.70	23.64			
1.4	WQAM	3	1	23.60	23.62	23.36			
1.4	WQAM	3	3	23.51	23.52	23.41			
1.4	WQAM	6	0	22.32	22.25	22.20	23	2	
1.4	WQAM	6	0	22.30	22.62	22.62			
1.4	WQAM	1	3	22.63	22.75	22.65			
1.4	WQAM	1	5	22.83	22.75	22.74	23	2	
1.4	WQAM	3	0	22.47	22.47	22.54			
1.4	WQAM	3	1	22.55	22.73	22.50			
1.4	WQAM	3	3	22.90	22.62	22.65			
1.4	WQAM	6	0	21.44	21.61	21.61	22	3	
1.4	25GQAM	1	0	19.66	19.79	19.63			
1.4	25GQAM	1	5	19.74	19.80	19.87	20	5	
1.4	25GQAM	1	6	19.59	19.70	19.48			
1.4	25GQAM	3	0	19.67	19.65	19.53			
1.4	25GQAM	3	1	19.59	19.77	19.68			
1.4	25GQAM	3	3	19.44	19.64	19.56	20	5	

Band 7_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int./sec)	MRR (dB)		
Channel										
Frequency (MHz)				20850	21000	21350				
20	QPSK	1	0	20.70	20.73	20.66				
20	QPSK	1	48	20.64	20.83	20.82	21.4	0		
20	QPSK	1	96	20.66	20.74	20.82				
20	QPSK	50	0	20.67	20.77	20.76				
20	QPSK	50	24	20.57	20.74	20.82	21.4	0		
20	QPSK	50	50	20.62	20.72	20.63				
20	HQAM	1	0	20.74	20.82	20.84	21.4	0		
20	HQAM	1	48	20.73	20.82	20.85				
20	HQAM	1	96	20.73	20.79	20.64				
20	HQAM	50	0	20.63	20.73	20.81				
20	HQAM	50	24	20.75	20.89	20.68	21.4	0		
20	HQAM	50	50	20.67	20.71	20.59				
20	HQAM	100	0	20.66	20.76	20.59				
20	HQAM	1	0	20.70	20.73	20.54	21.4	0		
20	HQAM	1	48	20.66	20.76	20.58				
20	HQAM	1	96	20.66	20.80	20.73				
20	HQAM	50	0	20.50	20.59	20.51				
20	HQAM	50	24	20.57	20.72	20.59	21.4	0		
20	HQAM	50	50	20.72	20.71	20.58				
20	HQAM	100	0	20.57	20.72	20.59				
20	HQAM	1	0	18.50	18.55	18.59				
20	HQAM	1	48	18.56	18.62	18.85	19.4	2		
20	HQAM	1	96	18.78	18.83	18.84				
20	HQAM	50	0	18.71	18.81	18.77				
20	HQAM	50	24	18.84	18.84	18.76	19.4	2		
20	HQAM	50	50	18.86	18.84	18.80				
20	HQAM	100	0	18.82	18.74	18.71				
Channel										
Frequency (MHz)				20825 <th>21100<th>21375</th><th>Timeuse (int./sec)</th><th>MRR (dB)</th><th></th><th></th></th>	21100 <th>21375</th> <th>Timeuse (int./sec)</th> <th>MRR (dB)</th> <th></th> <th></th>	21375	Timeuse (int./sec)	MRR (dB)		
15	QPSK	1	0	20.73	20.74	20.75				
15	QPSK	1	37	20.63	20.75	20.48	21.4	0		
15	QPSK	1	74	20.52	20.81	20.51				
15	QPSK	36	0	20.52	20.70	20.61				
15	QPSK	36	20	20.48	20.71	20.50	21.4	0		
15	QPSK	36	36	20.62	20.74	20.53				
15	HQAM	1	0	20.72	20.68	20.53	21.4	0		
15	HQAM	1	37	20.62	20.73	20.64				
15	HQAM	1	74	20.64	20.80	20.58				
15	HQAM	36	0	20.55	20.74	20.59	21.4	0		
15	HQAM	36	20	20.67	20.74	20.59				
15	HQAM	36	36	20.54	20.86	20.46				
15	HQAM	75	0	20.65	20.81	20.56				
15	HQAM	36	39	20.62	20.72	20.59				
15	HQAM	1	37	20.50	20.56	20.57	21.4	0		
15	HQAM	1	74	20.45	20.70	20.62				
15	HQAM	1	37	20.47	20.55	20.44				
15	HQAM	36	20	20.47	20.78	20.54	21.4	0		
15	HQAM	36	36	20.54	20.86	20.54				
15	HQAM	75	0	20.57	20.83	20.51				
15	HQAM	1	0	18.62	18.63	18.76	19.4	2		
15	HQAM	1	37	18.67	18.65	18.78				
15	HQAM	1	74	18.71	18.71	18.80				
15	HQAM	36	0	18.68	18.71	18.70				
15	HQAM	36	20	18.68	18.70	18.75	19.4	2		
15	HQAM	36	39	18.70	18.71	18.75				
15	HQAM	75	0	18.58	18.68	18.60				
Channel										
Frequency (MHz)				20850 <th>21100<th>21400</th><th>Timeuse (int./sec)</th><th>MRR (dB)</th><th></th><th></th></th>	21100 <th>21400</th> <th>Timeuse (int./sec)</th> <th>MRR (dB)</th> <th></th> <th></th>	21400	Timeuse (int./sec)	MRR (dB)		
15	QPSK	1	0	20.74	20.70	20.80				
15	QPSK	1	25	20.50	20.75	20.48	21.4	0		
15	QPSK	1	50	20.52	20.80	20.48				
15	QPSK	25	0	20.50	20.86	20.55				
15	QPSK	25	12	20.50	20.82	20.54	21.4	0		
15	QPSK	25	25	20.62	20.82	20.53				
15	QPSK	50	0	20.63	20.76	20.50				
15	HQAM	1	0	20.66	20.79	20.58	21.4	0		
15	HQAM	1	25	20.67	20.73	20.64				
15	HQAM	1	48	20.67	20.80	20.54				
15	HQAM	25	0	20.60	20.68	20.48				
15	HQAM	25	12	20.62	20.79	20.53	21.4	0		
15	HQAM	25	25	20.50	20.86	20.46				
15	HQAM	50	0	20.60	20.72	20.44				
15	HQAM	1	0	20.65	20.69	20.52				
15	HQAM	1	25	20.50	20.69	20.57	21.4	0		
15	HQAM	1	48	20.65	20.73	20.89				
15	HQAM	25	0	20.45	20.49	20.49				
15	HQAM	25	12	20.50	20.79	20.48	21.4	0		
15	HQAM	25	25	20.60	20.57	20.47				
15	HQAM	50	0	20.55	20.69	20.58				
15	HQAM	1	0	18.60	18.60	18.87	19.4	2		
15	HQAM	1	25	18.61	18.62	18.73				
15	HQAM	1	48	18.76	18.81	18.80				
15	HQAM	25	0	18.68	18.69	18.82				
15	HQAM	25	12	18.62	18.73	18.86	19.4	2		
15	HQAM	25	25	18.60	18.79	18.70				
15	HQAM	50	0	18.47	18.59	18.80				
Channel										
Frequency (MHz)				20975 <th>21160<th>21425</th><th>Timeuse (int./sec)</th><th>MRR (dB)</th><th></th><th></th></th>	21160 <th>21425</th> <th>Timeuse (int./sec)</th> <th>MRR (dB)</th> <th></th> <th></th>	21425	Timeuse (int./sec)	MRR (dB)		
5	QPSK	1	0	20.74	20.70	20.72				
5	QPSK	1	12	20.58	20.71	20.52	21.4	0		
5	QPSK	1	24	20.50	20.59	20.57				
5	QPSK	12	0	20.58	20.86	20.59				
5	QPSK	12	7	20.48	20.60	20.54	21.4	0		
5	QPSK	12	13	20.62	20.68	20.48				
5	QPSK	25	0	20.62	20.83	20.51				
5	HQAM	1	0	20.64	20.73	20.50	21.4	0		
5	HQAM	1	12	20.72	20.81	20.68				
5	HQAM	1	24	20.69	20.82	20.50				
5	HQAM	12	0	20.50	20.58	20.53				
5	HQAM	12	7	20.48	20.67	20.46	21.4	0		
5	HQAM	12	13	20.57	20.87	20.45				
5	HQAM	25	0	20.62	20.69	20.52				
5	HQAM	1	0	20.58	20.61	20.60				
5	HQAM	1	12	20.59	20.84	20.57	21.4	0		
5	HQAM	1	24	20.58	20.74	20.38				
5	HQAM	12	0	20.47	20.56	20.36				
5	HQAM	12	7	20.59	20.76	20.45	21.4	0		
5	HQAM	12	13	20.50	20.80	20.50				
5	HQAM	1	0	18.61	18.66	18.85	19.4	2		
5	HQAM	1	12	18.67	18.78	18.83				
5	HQAM	1	24	18.67	18.80	18.75				
5	HQAM	12	0	18.64	18.69	18.85				
5	HQAM	12	7	18.70	18.79	18.81	19.4	2		
5	HQAM	12	13	18.60	18.79	18.86				
5	HQAM	25	0	18.50	18.63	18.88				

Band 7_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int./sec)	MRR (dB)		
Channel										
Frequency (MHz)				2050	2100	2150				
20	QPSK	1	0	20.46	20.41	20.36				
20	QPSK	1	48	20.31	20.37	20.21	21.3	0		
20	QPSK	1	96	20.30	20.32	20.30				
20	QPSK	50	0	20.52	20.50	20.50				
20	QPSK	50	24	20.37	20.38	20.35	21.3	0		
20	QPSK	50	50	20.32	20.34	20.34				
20	QPSK	100	0	20.24	20.37	20.27				
20	HQAM	1	0	20.33	20.31	20.23	21.3	0		
20	HQAM	1	48	20.30	20.32	20.34				
20	HQAM	1	96	20.28	20.35	20.34				
20	HQAM	50	0	20.27	20.35	20.35				
20	HQAM	50	24	20.30	20.38	20.27	21.3	0		
20	HQAM	50	50	20.25	20.39	20.28				
20	HQAM	100	0	20.30	20.39	20.35				
20	HQAM	1	0	20.30	20.31	20.22	21.3	0		
20	HQAM	1	96	20.30	20.26	20.27				
20	HQAM	50	0	19.80	19.94	19.84				
20	HQAM	50	24	19.92	20.06	19.85	20.6	0.7		
20	HQAM	50	50	19.90	20.05	19.91				
20	HQAM	50	0	19.80	19.91	19.89				
20	HQAM	100	0	19.83	20.01	19.89				
20	HQAM	1	0	17.68	17.61	17.61				
20	HQAM	1	48	17.66	17.64	17.76	18.6	2.7		
20	HQAM	1	96	17.67	17.69	17.80				
20	HQAM	50	0	17.67	17.66	17.76				
20	HQAM	50	24	17.76	17.66	17.74	18.6	2.7		
20	HQAM	50	50	17.80	17.81	17.80				
Channel										
Frequency (MHz)				2050	2100	2150	Timeuse (int./sec)	MRR (dB)		
20	QPSK	1	0	20.47	20.43	20.37				
20	QPSK	1	37	20.29	20.33	20.25	21.3	0		
20	QPSK	1	74	20.34	20.31	20.22				
20	QPSK	50	0	20.52	20.50	20.50				
20	QPSK	50	36	20.28	20.32	20.24	21.3	0		
20	QPSK	50	72	20.30	20.37	20.27				
20	QPSK	100	0	20.27	20.37	20.27				
20	HQAM	1	0	20.28	20.38	20.32	21.3	0		
20	HQAM	1	37	20.35	20.28	20.29				
20	HQAM	1	74	20.35	20.28	20.28	21.3	0		
20	HQAM	50	0	20.29	20.37	20.32				
20	HQAM	50	36	20.29	20.37	20.32	21.3	0		
20	HQAM	50	72	20.34	20.38	20.23				
20	HQAM	100	0	20.30	20.35	20.26				
20	HQAM	1	0	20.37	20.27	20.27	21.3	0		
20	HQAM	1	74	20.36	20.28	20.28				
20	HQAM	50	0	19.70	19.87	19.72				
20	HQAM	50	36	19.82	19.93	19.82	20.6	0.7		
20	HQAM	50	72	19.86	19.96	19.83				
20	HQAM	100	0	19.89	19.98	19.89				
20	HQAM	1	0	17.63	17.59	17.59	18.6	2.7		
20	HQAM	1	74	17.64	17.66	17.76				
20	HQAM	50	0	17.74	17.76	17.86				
20	HQAM	50	36	17.84	17.62	17.62	18.6	2.7		
20	HQAM	50	72	17.82	17.72	17.77				
20	HQAM	100	0	17.86	17.81	17.81				
Channel										
Frequency (MHz)				2050	2100	2150	Timeuse (int./sec)	MRR (dB)		
20	QPSK	1	0	20.47	20.43	20.37				
20	QPSK	1	37	20.29	20.33	20.25	21.3	0		
20	QPSK	1	74	20.34	20.28	20.28				
20	QPSK	50	0	20.52	20.50	20.50				
20	QPSK	50	12	20.30	20.31	20.28	21.3	0		
20	QPSK	50	25	20.33	20.33	20.34				
20	QPSK	50	37	20.33	20.33	20.34				
20	QPSK	100	0	20.28	20.38	20.28				
20	HQAM	1	0	20.30	20.38	20.28	21.3	0		
20	HQAM	1	37	20.35	20.28	20.29				
20	HQAM	1	74	20.35	20.28	20.28	21.3	0		
20	HQAM	50	0	20.29	20.37	20.32				
20	HQAM	50	12	20.34	20.36	20.23	21.3	0		
20	HQAM	50	25	20.34	20.36	20.23				
20	HQAM	50	37	20.34	20.36	20.23				
20	HQAM	100	0	20.28	20.35	20.21				
20	HQAM	1	0	20.37	20.27	20.27	21.3	0		
20	HQAM	1	48	20.30	20.30	20.29				
20	HQAM	25	0	19.72	19.86	19.73				
20	HQAM	25	12	19.81	19.91	19.82	20.6	0.7		
20	HQAM	25	25	19.87	19.97	19.85				
20	HQAM	50	0	19.83	19.97	19.83				
20	HQAM	50	12	19.93	19.93	19.93				
20	HQAM	50	25	19.97	19.97	19.97				
20	HQAM	100	0	19.85	19.95	19.85				
20	HQAM	1	0	17.61	17.69	17.61	18.6	2.7		
20	HQAM	1	48	17.62	17.68	17.62				
20	HQAM	25	0	17.72	17.76	17.76				
20	HQAM	25	12	17.76	17.76	17.76	18.6	2.7		
20	HQAM	25	25	17.84	17.75	17.80				
20	HQAM	50	0	17.94	17.79	17.80				
20	HQAM	50	12	17.96	17.79	17.80	18.6	2.7		
Channel										
Frequency (MHz)				20775	21100	21425	Timeuse (int./sec)	MRR (dB)		
20	QPSK	1	0	20.82	20.78	20.67				
20	QPSK	1	12	20.27	20.27	20.29	21.3	0		
20	QPSK	1	24	20.28	20.33	20.24				
20	QPSK	50	0	20.52	20.50	20.50				
20	QPSK	50	12	20.38	20.38	20.25				
20	QPSK	50	24	20.38	20.38	20.25				
20	HQAM	1	0	20.25	20.33	20.22	21.3	0		
20	HQAM	1	12	20.27	20.37	20.24				
20	HQAM	1	24	20.31	20.33	20.24	21.3	0		
20	HQAM	50	0	20.30	20.38	20.29				
20	HQAM	50	12	20.30	20.33	20.23	21.3	0		
20	HQAM	50	24	20.33	20.36	20.30				
20	HQAM	100	0	20.28	20.35	20.23				
20	HQAM	1	0	20.28	20.28	20.33				
20	HQAM	1	12	20.33	20.33	20.33	21.3	0		
20	HQAM	1	24	20.36	20.36	20.28				
20	HQAM	12	0	19.88	19.86	19.72				
20	HQAM	12	12	19.93	19.93	19.82	20.6	0.7		
20	HQAM	12	24	19.92	19.90	19.89				
20	HQAM	25	0	19.86	19.91	19.89				
20	HQAM	25	12	19.92	19.92	19.86				
20	HQAM	25	24	19.93	19.93	19.86				
20	HQAM	50	0	17.72	17.76	17.86	18.6	2.7		
20	HQAM	50	12	17.83	17.77	17.81				
20	HQAM	50	24	17.75	17.75	17.83	18.6	2.7		
20	HQAM	100	0	17.85	17.86	17.81				
20	HQAM	1	0	17.68	17.68	17.61				

Band 13_Ant 1												
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Inst (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.25			25	0				
10	QPSK	1	25	24.23								
10	QPSK	1	49	24.17								
10	QPSK	25	0	23.92								
10	QPSK	25	12	23.90			24	1				
10	QPSK	25	25	23.76								
10	QPSK	50	0	23.16								
10	16QAM	1	5	23.45								
10	16QAM	1	25	23.51			24	1				
10	16QAM	1	49	23.46								
10	16QAM	25	0	22.26								
10	16QAM	25	12	22.24								
10	16QAM	25	25	22.19			23	2				
10	16QAM	50	0	22.16								
10	16QAM	1	5	22.92								
10	16QAM	1	25	22.99								
10	16QAM	1	49	22.47			23	2				
10	16QAM	25	0	21.54								
10	16QAM	25	12	21.57								
10	16QAM	25	25	21.31								
10	16QAM	50	0	21.48			22	3				
10	16QAM	1	5	19.39								
10	16QAM	1	49	19.44								
10	16QAM	1	49	19.42								
10	16QAM	25	0	19.46			20	5				
10	16QAM	25	12	19.55								
10	16QAM	25	25	19.38								
10	16QAM	50	0	19.44								
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.18	24.22	24.18	25	0				
5	QPSK	1	12	24.18	24.20	24.12						
5	QPSK	1	24	24.03	24.16	24.13						
5	QPSK	12	0	23.19	23.13	23.07						
5	QPSK	12	7	23.12	23.09	23.10	24	1				
5	QPSK	12	13	23.13	23.01	23.06						
5	QPSK	25	0	23.14	23.09	23.04						
5	16QAM	1	5	23.30	23.31	23.30						
5	16QAM	1	12	23.40	23.48	23.40	24	1				
5	16QAM	1	24	23.29	23.30	23.26						
5	16QAM	12	0	22.11	22.22	22.25						
5	16QAM	12	7	22.21	22.16	22.22						
5	16QAM	12	13	22.17	22.09	22.04	23	2				
5	16QAM	25	0	22.17	22.14	22.06						
5	16QAM	1	5	22.85	22.88	22.84						
5	16QAM	1	12	22.90	22.95	21.99						
5	16QAM	12	13	21.21	21.15	21.27	22	3				
5	16QAM	1	24	22.33	22.40	22.43						
5	16QAM	1	5	21.50	21.46	21.43						
5	16QAM	12	7	21.46	21.54	21.53						
5	16QAM	12	13	21.25	21.42	21.41	20	5				
5	16QAM	25	0	19.39	19.38	19.29						
5	16QAM	1	24	19.46	19.27	19.38						
5	16QAM	12	0	19.39	19.33	19.35						
5	16QAM	12	7	19.50	19.39	19.49	20	5				
5	16QAM	12	13	19.25	19.33	19.27						
5	16QAM	25	0	19.41	19.40	19.37						
5	16QAM	25	5	19.41	19.40	19.37						

Band 13_Ant 0												
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up (mHz)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.84			24.3	0				
10	QPSK	1	25	23.59								
10	QPSK	1	49	23.39								
10	QPSK	25	0	22.61								
10	QPSK	25	12	22.53			23.3	1				
10	QPSK	25	25	22.55								
10	QPSK	50	0	22.08								
10	16QAM	1	5	22.78								
10	16QAM	1	25	22.86			23.3	1				
10	16QAM	1	49	22.89								
10	16QAM	25	0	21.69								
10	16QAM	25	12	21.69								
10	16QAM	25	25	21.62			22.3	2				
10	16QAM	50	0	21.61								
10	16QAM	1	5	21.77								
10	16QAM	1	25	21.97								
10	16QAM	1	49	21.78			22.3	2				
10	16QAM	25	0	20.71								
10	16QAM	25	12	20.89								
10	16QAM	25	25	20.84								
10	16QAM	50	0	20.81			21.3	3				
10	16QAM	1	5	18.90								
10	16QAM	1	49	18.96								
10	16QAM	1	49	18.83								
10	16QAM	25	0	18.78			19.3	5				
10	16QAM	25	12	18.77								
10	16QAM	25	25	18.70								
10	16QAM	50	0	18.69								
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.52	23.56	23.61	24.3	0				
5	QPSK	1	12	23.46	23.46	23.58						
5	QPSK	1	24	23.37	23.33	23.45						
5	QPSK	12	0	22.48	22.59	22.60						
5	QPSK	12	7	22.38	22.44	22.41	23.3	1				
5	QPSK	12	13	22.32	22.47	22.43						
5	QPSK	25	0	22.57	22.47	22.57						
5	16QAM	1	5	22.77	22.67	22.77						
5	16QAM	1	12	22.83	22.75	22.78	23.3	1				
5	16QAM	1	24	22.84	22.82	22.87						
5	16QAM	12	0	21.54	21.61	21.56						
5	16QAM	12	7	21.63	21.56	21.67						
5	16QAM	12	13	21.59	21.61	21.47	22.3	2				
5	16QAM	25	0	21.58	21.48	21.56						
5	16QAM	1	5	21.72	21.64	21.70						
5	16QAM	1	12	21.82	21.75	21.81						
5	16QAM	1	24	21.74	21.74	21.69	22.3	2				
5	16QAM	12	0	20.57	20.62	20.69						
5	16QAM	12	7	20.55	20.55	20.60						
5	16QAM	12	13	20.59	20.61	20.60						
5	16QAM	25	0	20.52	20.59	20.52	21.3	3				
5	16QAM	1	5	18.54	18.77	18.86						
5	16QAM	1	12	18.85	18.90	18.67						
5	16QAM	1	24	18.62	18.69	18.51						
5	16QAM	12	0	18.73	18.65	18.73	19.3	5				
5	16QAM	12	7	18.60	18.74	18.69						
5	16QAM	12	13	18.67	18.69	18.56						
5	16QAM	25	0	18.56	18.66	18.62						

Band 17_Ant 1									
BW (MHz)	Modulation	RE Sub	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up (mHz)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.12	23.13	23.12	23.8	0	
10	QPSK	1	25	23.05	23.12	23.11			
10	QPSK	1	49	23.00	23.12	23.01			
10	QPSK	25	0	22.55	22.21	22.17			
10	QPSK	25	12	22.55	22.18	22.04	22.8	1	
10	QPSK	25	25	22.49	22.16	22.13			
10	QPSK	50	0	22.03	22.11	22.07			
10	16QAM	1	5	22.29	22.33	22.28			
10	16QAM	1	25	22.23	22.33	22.32	22.8	1	
10	16QAM	1	49	22.17	22.02	22.12			
10	16QAM	25	0	21.12	21.14	20.99	21.8	2	
10	16QAM	25	12	21.18	21.10	21.12			
10	16QAM	25	25	21.20	21.08	21.07			
10	16QAM	50	0	21.00	21.17	21.05			
10	16QAM	1	0	21.21	21.30	21.18	21.8	2	
10	16QAM	1	25	21.13	21.21	21.13			
10	16QAM	1	49	21.00	21.11	21.01			
10	16QAM	25	0	19.98	20.04	19.90			
10	16QAM	25	12	19.98	20.03	20.03	20.8	3	
10	16QAM	25	25	19.95	20.03	20.03			
10	16QAM	50	0	19.85	20.15	19.84			
10	16QAM	50	0	20.07	20.14	20.07			
10	16QAM	1	0	18.22	18.37	18.24	18.8	5	
10	16QAM	1	25	18.33	18.53	18.45			
10	16QAM	1	49	18.18	18.38	18.29			
10	16QAM	25	12	18.31	18.46	18.24			
10	16QAM	25	25	18.34	18.33	18.24	18.8	5	
10	16QAM	50	0	18.31	18.40	18.20			
10	16QAM	50	0	18.37	18.40	18.24			
10	16QAM	50	0	18.31	18.40	18.24			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.11	23.11	23.02	23.8	0	
5	QPSK	1	12	23.11	23.11	23.02			
5	QPSK	1	24	23.01	23.11	23.02			
5	QPSK	12	0	22.50	22.16	22.16			
5	QPSK	12	12	22.50	22.16	22.16	22.8	1	
5	QPSK	12	24	22.01	22.12	22.03			
5	QPSK	24	0	22.05	22.06	22.05			
5	16QAM	1	5	22.19	22.19	22.20			
5	16QAM	1	12	22.15	22.24	22.27	22.8	1	
5	16QAM	1	24	22.16	22.16	22.16			
5	16QAM	12	0	21.01	21.11	21.01			
5	16QAM	12	7	21.01	21.11	21.01			
5	16QAM	1	0	21.11	21.15	21.09	21.8	2	
5	16QAM	1	12	21.11	21.08	21.11			
5	16QAM	1	24	20.99	21.00	21.02			
5	16QAM	12	0	20.01	20.09	20.02			
5	16QAM	12	12	20.14	20.10	20.08	20.8	3	
5	16QAM	12	24	20.01	20.09	20.02			
5	16QAM	24	0	19.92	19.97	19.85			
5	16QAM	24	0	19.92	19.97	19.85			
5	16QAM	24	0	19.92	19.97	19.85	18.8	5	
5	16QAM	1	12	18.38	18.43	18.20			
5	16QAM	1	24	18.29	18.46	18.33			
5	16QAM	12	0	18.27	18.24	18.25			
5	16QAM	12	7	18.18	18.41	18.26	18.8	5	
5	16QAM	12	15	18.10	18.29	18.20			
5	16QAM	12	25	18.10	18.29	18.20			
5	16QAM	25	0	18.10	18.29	18.20			



Band 25_Ant 6																							
BW (MHz)	Modulation	RB Size	RB Offset	Power Lb Ch / Freq	Power Mde Ch / Freq	Power Hb Ch / Freq	Tauapn (int)	MPR (dB)															
Channel									Channel														
Frequency (MHz)									Frequency (MHz)														
20	QPSK	1	0	21.43	21.46	21.49																	
20	QPSK	1	48	21.42	21.37	21.25	21.6	0															
20	QPSK	1	96	21.41	21.39	21.27																	
20	QPSK	50	0	21.42	21.38	21.25																	
20	QPSK	50	24	21.42	21.34	21.27																	
20	QPSK	50	50	21.41	21.34	21.25	21.6	0															
20	QPSK	100	0	21.39	21.30	21.25																	
20	QPSK	100	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	
20	QPSK	150	0	21.39	21.26	21.24																	

Band 26(FCC)_Ant										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F/Hz)	Power Med Ch (F/Hz)	Power High Ch (F/Hz)	Turnup (min)	MTR (dB)		
Channel										
Frequency (MHz)				817.5	817.5	817.5				
15	QPSK	1	0	23.75	23.75	23.75				
15	QPSK	1	37	23.75	23.63	23.61	24.5	0		
15	QPSK	14	0	23.75	23.75	23.75				
15	QPSK	36	0	23.17	23.31	23.25				
15	QPSK	36	20	23.11	23.12	23.08	24	0.5		
15	QPSK	75	0	23.18	23.02	23.06				
15	HQDM	1	0	23.41	23.54	23.41				
15	HQDM	1	74	23.38	23.34	23.41	24	0.5		
15	HQDM	36	0	22.22	22.23	22.08				
15	HQDM	36	20	22.02	22.20	22.15				
15	HQDM	36	39	22.07	22.23	22.21	23	1.5		
15	HQDM	75	0	22.16	22.26	22.21				
15	HQDM	1	0	22.30	22.47	22.30				
15	HQDM	1	37	22.40	22.37	22.40	23	1.5		
15	HQDM	36	0	21.65	21.59	21.61				
15	HQDM	36	20	21.41	21.52	21.41				
15	HQDM	36	39	21.45	21.46	21.51	22	2.5		
15	HQDM	75	0	21.50	21.65	21.53				
15	HQDM	1	0	19.54	19.70	19.58				
15	HQDM	1	37	19.57	19.61	19.67	20	4.5		
15	HQDM	14	0	19.47	19.51	19.44				
15	HQDM	36	0	19.48	19.59	19.48				
15	HQDM	36	20	19.45	19.48	19.53	20	4.5		
15	HQDM	36	39	19.52	19.47	19.42				
15	HQDM	75	0	19.37	19.40	19.42				
Channel										
Frequency (MHz)				817.5	817.5	817.5	Turnup (min)	MTR (dB)		
5	QPSK	1	0	23.67	23.71	23.60				
5	QPSK	1	25	23.66	23.56	23.49	24.5	0		
5	QPSK	14	0	23.62	23.61	23.61				
5	QPSK	26	0	23.23	23.21	23.17				
5	QPSK	26	12	23.13	23.20	23.18	24	0.5		
5	QPSK	26	39	23.07	23.26	23.28				
5	QPSK	50	0	23.17	23.20	23.20				
5	HQDM	1	0	23.28	23.43	23.28	24	0.5		
5	HQDM	1	49	23.21	23.33	23.44				
5	HQDM	1	49	23.22	23.23	23.34				
5	HQDM	25	0	22.11	22.17	21.68				
5	HQDM	25	12	21.95	22.01	21.98				
5	HQDM	25	25	21.98	22.12	22.00	23	1.5		
5	HQDM	50	0	22.02	22.19	22.15				
5	HQDM	50	12	22.01	22.22	22.28				
5	HQDM	1	0	22.31	22.34	22.35	23	1.5		
5	HQDM	1	49	22.43	22.29	22.16				
5	HQDM	25	0	21.87	21.45	21.48	22	2.5		
5	HQDM	25	12	21.26	21.36	21.42				
5	HQDM	25	25	21.45	21.43	21.27	20	4.5		
5	HQDM	50	0	19.39	19.62	19.58				
5	HQDM	1	0	19.41	19.41	19.49	20	4.5		
5	HQDM	1	49	19.42	19.45	19.38				
5	HQDM	25	0	19.40	19.52	19.38				
5	HQDM	25	12	19.41	19.50	19.45	20	4.5		
5	HQDM	25	25	19.38	19.33	19.35				
5	HQDM	50	0	19.27	19.48	19.35				
Channel										
Frequency (MHz)				817.5	817.5	817.5	Turnup (min)	MTR (dB)		
3	QPSK	1	0	23.70	23.68	23.63				
3	QPSK	1	8	23.64	23.61	23.58	24.5	0		
3	QPSK	14	0	23.64	23.63	23.63				
3	QPSK	6	0	23.13	23.23	23.25				
3	QPSK	6	4	23.18	23.25	23.12	24	0.5		
3	QPSK	15	0	23.10	23.28	23.17				
3	QPSK	15	0	23.05	23.25	23.00				
3	HQDM	1	0	23.34	23.47	23.38	24	0.5		
3	HQDM	1	14	23.24	23.47	23.36				
3	HQDM	1	14	23.24	23.34	23.26				
3	HQDM	6	0	22.16	22.20	22.03				
3	HQDM	6	7	22.07	22.21	22.04	23	1.5		
3	HQDM	15	0	22.06	22.21	22.01				
3	HQDM	1	0	22.30	22.44	22.29				
3	HQDM	1	8	22.31	22.33	22.34	23	1.5		
3	HQDM	14	0	22.30	22.22	22.27				
3	HQDM	6	0	21.68	21.58	21.48				
3	HQDM	6	4	21.52	21.51	21.43	22	2.5		
3	HQDM	8	0	21.32	21.52	21.34				
3	HQDM	15	0	19.40	19.63	19.53				
3	HQDM	1	0	19.38	19.58	19.52	20	4.5		
3	HQDM	1	14	19.42	19.45	19.31				
3	HQDM	6	0	19.42	19.51	19.38				
3	HQDM	6	7	19.47	19.32	19.40	20	4.5		
3	HQDM	8	4	19.47	19.34	19.41				
3	HQDM	8	7	19.48	19.34	19.41				
3	HQDM	15	0	19.30	19.39	19.35				
Channel										
Frequency (MHz)				817.4	817.5	818.3	Turnup (min)	MTR (dB)		
1.4	QPSK	1	0	23.65	23.73	23.57				
1.4	QPSK	1	3	23.68	23.67	23.66	24.5	0		
1.4	QPSK	14	0	23.64	23.64	23.64				
1.4	QPSK	3	0	23.61	23.71	23.58				
1.4	QPSK	3	1	23.51	23.68	23.52	24	0.5		
1.4	QPSK	6	0	23.10	23.26	23.01	24	0.5		
1.4	HQDM	1	0	23.36	23.47	23.38				
1.4	HQDM	1	6	23.31	23.43	23.32				
1.4	HQDM	1	6	23.27	23.25	23.32	24	0.5		
1.4	HQDM	3	0	23.15	23.33	23.21				
1.4	HQDM	3	1	23.05	23.35	23.21				
1.4	HQDM	3	3	23.18	23.19	23.26	23	1.5		
1.4	HQDM	6	0	21.95	22.15	22.08				
1.4	HQDM	1	0	22.22	22.38	22.23				
1.4	HQDM	1	6	22.25	22.29	22.27				
1.4	HQDM	3	0	22.02	22.20	22.25	23	1.5		
1.4	HQDM	3	1	22.02	22.26	22.29				
1.4	HQDM	3	3	22.12	22.20	22.08				
1.4	HQDM	6	0	21.37	21.56	21.42	22	2.5		
1.4	HQDM	1	0	19.43	19.69	19.59				
1.4	HQDM	1	3	19.40	19.44	19.39	20	4.5		
1.4	HQDM	1	5	19.40	19.47	19.47				
1.4	HQDM	3	0	19.42	19.52	19.49				
1.4	HQDM	3	3	19.43	19.41	19.29				
1.4	HQDM	6	0	19.35	19.58	19.31	20	4.5		

Band 26(SED)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F/Hz)	Power Med Ch (F/Hz)	Power High Ch (F/Hz)	Time-use (min)	MTR (dB)		
Channel 1										
Frequency (MHz)				813.5	813.5	813.5				
15	QPSK	1	0	23.75	23.75	23.75				
15	QPSK	1	37	23.63	23.60	23.61	24.5	0		
15	QPSK	1	74	23.75	23.72	23.75				
15	QPSK	36	20	23.31	23.28	23.28	24	0.5		
15	QPSK	36	56	23.12	23.09	23.08				
15	QPSK	36	92	23.12	23.09	23.08				
15	16QAM	1	0	23.50	23.47	23.41				
15	16QAM	1	37	23.54	23.51	23.44	24	0.5		
15	16QAM	1	74	23.67	23.64	23.41				
15	16QAM	36	20	22.23	22.20	22.18				
15	16QAM	36	56	22.29	22.26	22.28	23	1.5		
15	16QAM	36	92	22.29	22.26	22.28				
15	16QAM	75	0	22.30	22.27	22.21				
15	16QAM	1	0	22.47	22.44	22.30				
15	16QAM	1	37	22.59	22.57	22.43	23	1.5		
15	16QAM	1	74	23.24	23.21	23.00				
15	16QAM	36	0	21.68	21.66	21.61				
15	16QAM	36	36	21.68	21.67	21.68	22			
15	16QAM	36	72	21.66	21.63	21.51				
15	16QAM	75	0	21.66	21.62	21.43				
15	16QAM	1	0	19.67	19.67	19.68				
15	16QAM	1	37	19.63	19.60	19.57	20	4.5		
15	16QAM	1	74	19.51	19.48	19.44				
15	16QAM	36	0	19.51	19.48	19.44				
15	16QAM	36	36	19.51	19.48	19.44	20	4.5		
15	16QAM	36	72	19.47	19.44	19.42				
15	16QAM	75	0	19.47	19.42	19.42				
Channel 2										
Frequency (MHz)				826.5	826.5	826.5	Time-use (min)	MTR (dB)		
15	QPSK	1	0	23.75	23.75	23.75				
15	QPSK	1	25	23.68	23.68	23.68	24.5	0		
15	QPSK	1	49	23.58	23.58	23.46				
15	QPSK	1	73	23.58	23.58	23.46				
15	QPSK	36	12	23.13	23.10	23.00	24	0.5		
15	QPSK	36	48	23.01	23.03	23.05				
15	QPSK	36	84	23.01	23.03	23.05				
15	16QAM	1	0	23.30	23.40	23.28				
15	16QAM	1	25	23.31	23.50	23.40	24	0.5		
15	16QAM	1	49	23.30	23.50	23.40				
15	16QAM	36	0	22.11	22.14	22.18				
15	16QAM	36	36	22.11	22.14	22.18	23	1.5		
15	16QAM	36	72	22.06	22.09	22.06				
15	16QAM	75	0	22.06	22.09	22.06				
15	16QAM	60	0	22.02	22.16	22.15				
15	16QAM	1	0	22.31	22.29	22.25	23	1.5		
15	16QAM	1	36	22.31	22.29	22.25				
15	16QAM	1	49	22.30	22.26	22.18				
15	16QAM	25	0	21.63	21.42	21.48				
15	16QAM	25	25	21.63	21.42	21.48	22	2.5		
15	16QAM	60	0	21.62	21.40	21.27				
15	16QAM	60	0	21.42	21.47	21.40				
15	16QAM	25	12	19.47	19.62	19.48	20	4.5		
15	16QAM	1	0	19.51	19.47	19.30				
15	16QAM	1	25	19.42	19.43	19.39	20	4.5		
15	16QAM	25	12	19.42	19.43	19.39				
15	16QAM	25	12	19.46	19.48	19.36	20	4.5		
15	16QAM	25	25	19.36	19.30	19.35				
15	16QAM	60	0	19.36	19.45	19.45	20	4.5		
Channel 3										
Frequency (MHz)				838.5	838.5	840.5	Time-use (min)	MTR (dB)		
15	QPSK	1	0	23.75	23.75	23.75				
15	QPSK	1	12	23.68	23.68	23.68	24.5	0		
15	QPSK	1	24	23.49	23.63	23.45				
15	QPSK	1	36	23.22	23.35	23.17				
15	QPSK	12	7	23.28	23.28	23.10	24	0.5		
15	QPSK	12	13	23.07	23.09	23.01				
15	QPSK	36	0	23.13	23.22	23.06				
15	QPSK	36	36	23.13	23.22	23.06	24	0.5		
15	16QAM	1	12	23.27	23.36	23.26				
15	16QAM	1	24	23.16	23.25	23.16	24	0.5		
15	16QAM	12	7	22.18	22.25	22.18				
15	16QAM	12	7	22.08	22.16	22.06	23	1.5		
15	16QAM	25	0	22.07	22.16	22.09				
15	16QAM	1	0	22.27	22.29	22.28				
15	16QAM	1	12	22.16	22.17	22.14	23	1.5		
15	16QAM	1	24	22.30	22.22	22.18				
15	16QAM	12	0	21.61	21.49	21.54				
15	16QAM	12	12	21.62	21.77	21.43	22	2.5		
15	16QAM	12	13	21.44	21.33	21.35				
15	16QAM	25	0	21.47	21.50	21.43				
15	16QAM	25	12	19.42	19.63	19.58	20	4.5		
15	16QAM	1	0	19.44	19.59	19.50				
15	16QAM	1	24	19.41	19.43	19.40	20	4.5		
15	16QAM	12	0	19.42	19.52	19.43				
15	16QAM	12	13	19.45	19.38	19.31	20	4.5		
15	16QAM	25	0	19.34	19.31	19.35				
Channel 4										
Frequency (MHz)				862.5	862.5	862.5	Time-use (min)	MTR (dB)		
15	QPSK	1	0	23.75	23.65	23.63	24.5	0		
15	QPSK	1	14	23.59	23.58	23.45				
15	QPSK	8	0	23.13	23.20	23.25				
15	QPSK	8	7	23.13	23.20	23.25	24	0.5		
15	QPSK	15	0	23.06	23.22	23.04				
15	16QAM	1	0	23.24	23.24	23.24				
15	16QAM	1	8	23.28	23.44	23.36				
15	16QAM	1	16	23.24	23.33	23.22	23	1.5		
15	16QAM	8	4	22.01	22.18	22.04				
15	16QAM	8	7	22.08	22.22	22.11				
15	16QAM	15	0	22.08	22.18	22.17				
15	16QAM	1	0	22.30	22.41	22.29				
15	16QAM	1	8	22.31	22.43	22.34	23	1.5		
15	16QAM	1	14	22.31	22.19	22.27				
15	16QAM	8	0	21.58	21.55	21.48				
15	16QAM	8	7	21.58	21.55	21.43				
15	16QAM	8	7	21.52	21.52	21.52	20	4.5		
15	16QAM	8	7	21.32	21.29	21.34				
15	16QAM	15	0	21.48	21.53	21.50				
15	16QAM	15	0	21.48	21.53	21.52				
15	16QAM	1	8	19.38	19.53	19.52	20	4.5		
15	16QAM	1	14	19.48	19.42	19.31				
15	16QAM	8	0	19.48	19.48	19.36				
15	16QAM	8	7	19.48	19.31	19.41	20	4.5		
15	16QAM	15	0	19.38	19.36	19.36				
Channel 5										
Frequency (MHz)				867.97 <th>867.95<th>868.3</th><th>Time-use (min)</th><th>MTR (dB)</th><th colspan="2"></th></th>	867.95 <th>868.3</th> <th>Time-use (min)</th> <th>MTR (dB)</th> <th colspan="2"></th>	868.3	Time-use (min)	MTR (dB)		
15	QPSK	1	0	23.68	23.73	23.57	24.5	0		
15	QPSK	1	5	23.64	23.78	23.62				
15	QPSK	3	0	23.61	23.68	23.56				
15	QPSK	3	3	23.61	23.68	23.52	24	0.5		
15	QPSK	3	3	23.52	23.65	23.42				
15	16QAM	1	0	23.16	23.25	23.21	24	0.5		
15	16QAM	1	3	23.17	23.32	23.32				
15	16QAM	1	3	23.30	23.40	23.32	24	0.5		
15	16QAM	3	1	22.27	22.32	23.21				
15	16QAM	3	1	22.27	22.32	23.21	24	0.5		
15	16QAM	3	1	21.96	21.96	23.26				
15	16QAM	3	1	21.96	21.96	23.26	23	1.5		
15	16QAM	1	0	22.22	22.25	23.23				
15	16QAM	1	0	22.22	22.27	23.27				
15	16QAM	3	22	22.25	22.25	23.25	23	1.5		
15	16QAM	3	0	22.20	22.22	22.09				
15	16QAM	3	3	22.17	22.13	21.42	22	2.5		
15	16QAM	6	0	21.37	21.53	21.42				
15	16QAM	6	0	21.37	21.53	21.42	22	2.5		
15	16QAM	3	1	19.51	19.46	19.35	20	4.5		
15	16QAM	3	1	19.42	19.49	19.48				
15	16QAM	3	1	19.43	19.46	19.36	20	4.5		
15	16QAM	3	1	19.43	19.38	19.28				
15	16QAM	3	1	19.43	19.38	19.28	20	4.5		

Band 30_Ant 6									
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch / Freq.	Power Made Ch / Freq.	Power High Ch / Freq.	Turnup (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.87			22.3	0	
10	QPSK	1	25	21.85					
10	QPSK	1	49	21.81					
10	QPSK	25	0	21.90					
10	QPSK	25	12	21.78			22.3	0	
10	QPSK	25	25	21.73					
10	QPSK	50	0	21.84					
10	QPSK	1	0	21.82			22.3	0	
10	QPSK	1	25	21.83					
10	HQAM	1	49	21.85					
10	HQAM	25	0	21.80					
10	HQAM	25	12	21.82					
10	HQAM	25	25	21.88			22.3	0	
10	HQAM	50	0	21.83					
10	HQAM	1	0	21.82					
10	HQAM	1	25	21.87			22.3	0	
10	HQAM	1	49	21.80					
10	HQAM	1	25	21.84					
10	HQAM	25	12	21.29			21.3	1	
10	HQAM	25	25	21.22					
10	HQAM	50	0	21.14					
10	SSBDM	1	0	18.73					
10	SSBDM	1	49	18.94			19.3	3	
10	SSBDM	1	25	18.86					
10	SSBDM	25	0	18.81					
10	SSBDM	25	12	18.89			19.3	3	
10	SSBDM	25	25	18.82					
10	SSBDM	50	0	18.79					
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.94	21.85	21.90	22.3	0	
5	QPSK	1	12	21.72	21.84	21.79			
5	QPSK	1	24	21.83	21.75	21.84			
5	QPSK	12	0	21.89	21.84	21.85			
5	QPSK	12	7	21.81	21.72	21.70	22.3	0	
5	QPSK	12	13	21.77	21.76	21.75			
5	QPSK	25	0	21.70	21.79	21.71			
5	HQAM	1	0	21.83	21.86	21.86	22.3	0	
5	HQAM	1	12	21.82	21.79	21.84			
5	HQAM	1	24	21.78	21.87	21.87			
5	HQAM	12	0	21.83	21.91	21.96			
5	HQAM	12	7	21.76	21.76	21.84			
5	HQAM	12	13	21.87	21.83	21.85	22.3	0	
5	HQAM	25	0	21.83	21.85	21.83			
5	HQAM	1	0	21.75	21.88	21.87			
5	HQAM	1	12	21.70	21.89	21.84	22.3	0	
5	HQAM	1	24	21.14	21.75	21.70			
5	SSBDM	1	0	21.18	21.17	21.20			
5	SSBDM	1	12	21.19	21.13	21.14	21.3	1	
5	SSBDM	1	24	21.05	21.13	21.17			
5	SSBDM	12	0	18.87	18.80	18.59	19.3	3	
5	SSBDM	1	12	18.84	18.82	18.97			
5	SSBDM	1	24	18.84	18.74	18.76			
5	SSBDM	12	0	18.80	18.75	18.77			
5	SSBDM	12	7	18.80	18.88	18.84			
5	SSBDM	12	13	18.72	18.81	18.76	19.3	3	
5	SSBDM	25	0	18.86	18.86	18.86			

Band 30_Ant 7									
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch / Freq.	Power Made Ch / Freq.	Power High Ch / Freq.	Turnup (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.81			21.8	0	
10	QPSK	1	25	20.74					
10	QPSK	1	49	20.77					
10	QPSK	25	0	20.78					
10	QPSK	25	12	20.75			21.8	0	
10	QPSK	25	25	20.73					
10	QPSK	50	0	20.71					
10	HQAM	1	0	20.75			21.8	0	
10	HQAM	1	25	20.78					
10	HQAM	1	49	20.77					
10	HQAM	25	0	20.69					
10	HQAM	25	12	20.77					
10	HQAM	25	25	20.78			21.8	0	
10	HQAM	50	0	20.67					
10	HQAM	1	0	20.78					
10	HQAM	1	25	20.78			21.8	0	
10	HQAM	1	49	20.78					
10	HQAM	25	0	19.93					
10	HQAM	25	12	19.81			20.8	1	
10	HQAM	25	25	19.86					
10	HQAM	50	0	19.78					
10	SSBDM	1	0	17.79					
10	SSBDM	1	49	17.82			18.8	3	
10	SSBDM	1	25	17.86					
10	SSBDM	25	0	17.83					
10	SSBDM	25	12	17.79			18.8	3	
10	SSBDM	25	25	17.73					
10	SSBDM	50	0	17.78					
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.66	20.71	20.70	21.8	0	
5	QPSK	1	12	20.73	20.62	20.65			
5	QPSK	1	24	20.74	20.73	20.63			
5	QPSK	12	0	20.70	20.67	20.74			
5	QPSK	12	7	20.63	20.72	20.64	21.8	0	
5	QPSK	12	13	20.30	20.70	20.68			
5	QPSK	25	0	20.60	20.66	20.57			
5	HQAM	1	0	20.60	20.66	20.60	21.8	0	
5	HQAM	1	12	20.62	20.59	20.62			
5	HQAM	1	24	20.68	20.68	20.68			
5	HQAM	12	0	20.62	20.67	20.65			
5	HQAM	12	7	20.66	20.62	20.72	21.8	0	
5	HQAM	12	13	20.70	20.64	20.63			
5	HQAM	25	0	20.56	20.60	20.58			
5	HQAM	1	0	20.66	20.74	20.71			
5	HQAM	1	12	20.72	20.72	20.75	21.8	0	
5	HQAM	1	24	20.64	20.66	20.77			
5	SSBDM	1	0	19.82	19.82	19.88			
5	SSBDM	1	12	19.80	19.87	19.77	20.8	1	
5	SSBDM	1	24	19.85	19.83	19.92			
5	SSBDM	12	0	17.79	17.77	17.77	18.8	3	
5	SSBDM	1	12	17.84	17.83	17.89			
5	SSBDM	1	24	17.84	17.83	17.89			
5	SSBDM	12	0	17.79	17.80	17.89			
5	SSBDM	12	7	17.78	17.88	17.71			
5	SSBDM	12	13	17.59	17.86	17.83	18.8	3	
5	SSBDM	25	0	17.74	17.75	17.84			

Band 66_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Made Ch / Freq.	Power High Ch / Freq.	Turn-up (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.61	20.62	20.73			
20	QPSK	1	49	20.56	20.70	20.68	21	0	
20	QPSK	1	99	20.55	20.72	20.71			
20	QPSK	50	0	20.65	20.61	20.74			
20	QPSK	50	24	20.60	20.70	20.61	21	0	
20	QPSK	50	49	20.59	20.68	20.67			
20	HQAM	100	0	20.56	20.60	20.68			
20	HQAM	1	0	20.66	20.61	20.65			
20	HQAM	1	49	20.59	20.59	20.59			
20	HQAM	1	99	20.65	20.70	20.62			
20	HQAM	50	0	20.57	20.70	20.65			
20	HQAM	50	24	20.61	20.69	20.62			
20	HQAM	50	49	20.60	20.68	20.71	21	0	
20	HQAM	100	0	20.65	20.71	20.60			
20	HQAM	1	0	20.56	20.72	20.69			
20	HQAM	1	49	20.58	20.70	20.69	21	0	
20	HQAM	1	99	20.65	20.77	20.63			
20	HQAM	50	0	20.60	20.70	20.66			
20	HQAM	50	24	20.60	20.70	20.62	21	0	
20	HQAM	50	49	20.54	20.77	20.64			
20	HQAM	100	0	20.60	20.70	20.66			
20	SSBDM	1	0	19.53	19.54	19.48			
20	SSBDM	1	49	19.64	19.70	19.68			
20	SSBDM	1	99	19.71	19.72	19.60			
20	SSBDM	50	0	19.39	19.46	19.35			
20	SSBDM	50	24	19.43	19.46	19.35			
20	SSBDM	50	49	19.48	19.45	19.42	20	1	
20	SSBDM	100	0	19.39	19.40	19.42			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.57	20.68	20.67			
15	QPSK	1	37	20.62	20.70	20.65	21	0	
15	QPSK	1	74	20.58	20.70	20.63			
15	QPSK	36	0	20.64	20.70	20.68			
15	QPSK	36	20	20.57	20.71	20.70	21	0	
15	QPSK	36	37	20.62	20.70	20.64			
15	QPSK	75	0	20.62	20.70	20.72			
15	HQAM	1	0	20.56	20.68	20.63	21	0	
15	HQAM	1	37	20.61	20.69	20.61			
15	HQAM	1	74	20.61	20.61	20.58			
15	HQAM	36	0	20.64	20.70	20.68			
15	HQAM	36	20	20.57	20.70	20.70			
15	HQAM	36	37	20.62	20.70	20.64			
15	HQAM	75	0	20.62	20.69	20.72			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99	20.65	20.77	20.63			
15	HQAM	50	0	20.60	20.70	20.66			
15	HQAM	50	24	20.60	20.70	20.62	21	0	
15	HQAM	50	49	20.54	20.68	20.72			
15	HQAM	100	0	20.65	20.71	20.60			
15	HQAM	1	0	20.56	20.72	20.69			
15	HQAM	1	49	20.58	20.70	20.69	21	0	
15	HQAM	1	99						

Band 66_Ant 5												
BW (MHz)	Modulation	RE	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Tune-up (mHz)	MFR (dB)				
Channel 132972 132972 132972												
Frequency (MHz)												
20	QPSK	1	0	21.85	22.05	22.01						
20	QPSK	1	45	21.85	22.01	21.92	22.6	0				
20	QPSK	1	90	21.81	21.84	21.93						
20	QPSK	50	0	21.85	22.04	21.94						
20	QPSK	50	24	21.85	21.90	21.85	22.6	0				
20	QPSK	50	48	21.85	21.92	21.88						
20	QPSK	100	0	21.85	21.91	21.88						
20	HQAM	1	40	21.92	21.91	21.84	22.6	0				
20	HQAM	1	90	21.85	21.85	21.87						
20	HQAM	50	0	21.85	21.86	21.86						
20	HQAM	50	24	21.87	21.90	21.85	22.6	0				
20	HQAM	50	48	21.85	21.83	21.85						
20	HQAM	100	0	21.85	21.84	21.85						
20	HQAM	1	5	21.88	21.92	21.97						
20	HQAM	1	40	21.85	21.87	21.85	22.6	0				
20	HQAM	1	90	21.84	21.83	21.87						
20	HQAM	50	0	21.85	21.83	21.85						
20	HQAM	50	24	21.89	21.97	21.91	22	0.6				
20	HQAM	50	48	21.85	21.87	21.86						
20	HQAM	100	0	21.87	21.87	21.89						
20	SSBDM	1	0	19.29	19.42	19.33						
20	SSBDM	1	40	19.28	19.38	19.30	20	2.6				
20	SSBDM	1	90	19.35	19.35	19.45						
20	SSBDM	50	0	19.19	19.39	19.31						
20	SSBDM	50	24	19.17	19.37	19.28	20	2.6				
20	SSBDM	50	48	19.27	19.41	19.27						
20	SSBDM	100	0	19.40	19.49	19.39						
Channel 132972 132972 132972												
Frequency (MHz)												
15	QPSK	1	0	21.85	21.83	21.93						
15	QPSK	1	37	21.84	21.89	21.81	22.6	0				
15	QPSK	1	74	21.85	21.87	21.82						
15	QPSK	36	0	21.82	21.82	21.82						
15	QPSK	36	20	21.89	21.86	21.73	22.6	0				
15	QPSK	36	40	21.82	21.82	21.82						
15	QPSK	75	0	21.85	21.80	21.74						
15	HQAM	1	0	21.84	21.78	21.88	22.6	0				
15	HQAM	1	37	21.84	21.87	21.79						
15	HQAM	1	74	21.80	21.88	21.81						
15	HQAM	36	0	21.82	21.83	21.87						
15	HQAM	36	20	21.85	21.83	21.81	22.6	0				
15	HQAM	36	40	21.84	21.82	21.84						
15	HQAM	75	0	21.79	21.88	21.78						
15	HQAM	75	0	21.81	21.81	21.85						
15	HQAM	1	37	21.80	21.87	21.85	22.6	0				
15	HQAM	1	74	21.87	21.82	21.81						
15	HQAM	36	0	21.85	21.82	21.85						
15	HQAM	36	20	21.87	21.86	21.87	22	0.6				
15	HQAM	36	40	21.85	21.85	21.81						
15	HQAM	75	0	21.85	21.85	21.85						
15	SSBDM	1	0	19.25	19.43	19.28						
15	SSBDM	1	37	19.25	19.43	19.28	20	2.6				
15	SSBDM	1	74	19.25	19.37	19.32						
15	SSBDM	36	0	19.17	19.32	19.15						
15	SSBDM	36	20	19.15	19.35	19.27	20	2.6				
15	SSBDM	36	40	19.15	19.35	19.15						
15	SSBDM	75	0	19.34	19.41	19.28						
Channel 132972 132972 132972												
Frequency (MHz)												
10	QPSK	1	0	21.85	21.89	21.91						
10	QPSK	1	48	21.88	21.89	21.81	22.6	0				
10	QPSK	25	0	21.89	22.00	21.93						
10	QPSK	25	12	21.89	22.00	21.93	22.6	0				
10	QPSK	25	24	21.85	22.00	21.93						
10	QPSK	50	0	21.73	21.79	21.76						
10	HQAM	1	0	21.88	21.81	21.87	22.6	0				
10	HQAM	1	24	21.87	21.84	21.83						
10	HQAM	1	48	21.89	21.83	21.79						
10	HQAM	25	0	21.82	21.83	21.89	22.6	0				
10	HQAM	25	12	21.85	21.79	21.87						
10	HQAM	25	24	21.79	21.83	21.85						
10	HQAM	50	0	21.87	21.85	21.83						
10	HQAM	50	0	21.77	21.89	21.85						
10	HQAM	1	25	21.85	21.85	21.84	22.6	0				
10	HQAM	1	48	21.85	21.81	21.81						
10	HQAM	25	0	21.85	21.89	21.85						
10	HQAM	25	12	21.85	21.89	21.85	22	0.6				
10	HQAM	25	24	21.85	21.89	21.85						
10	HQAM	50	0	21.85	21.89	21.85						
10	SSBDM	1	0	19.24	19.43	19.34						
10	SSBDM	1	25	19.24	19.43	19.34	20	2.6				
10	SSBDM	25	12	19.25	19.25	19.24						
10	SSBDM	25	24	19.25	19.25	19.14						
10	SSBDM	50	0	19.34	19.46	19.34						
Channel 132972 132972 132972												
Frequency (MHz)												
5	QPSK	1	0	21.85	21.81	21.92						
5	QPSK	1	12	21.88	21.86	21.79	22.6	0				
5	QPSK	1	24	21.85	21.83	21.84						
5	QPSK	12	0	21.85	22.02	21.87						
5	QPSK	12	7	21.80	21.82	21.73	22.6	0				
5	QPSK	12	14	21.87	21.87	21.83						
5	QPSK	25	0	21.85	21.85	21.85						
5	HQAM	1	0	21.88	21.88	21.95	22.6	0				
5	HQAM	1	18	21.87	21.84	21.85						
5	HQAM	1	24	21.81	21.83	21.81						
5	HQAM	12	0	21.87	21.91	21.89	22.6	0				
5	HQAM	12	7	21.87	21.91	21.89						
5	HQAM	12	14	21.84	21.79	21.85						
5	HQAM	25	0	21.77	21.89	21.86	22.6	0				
5	HQAM	25	0	21.84	21.80	21.77						
5	HQAM	1	12	21.85	21.85	21.85	22.6	0				
5	HQAM	1	24	21.89	21.83	21.81						
5	HQAM	12	0	21.85	21.93	21.89						
5	HQAM	12	7	21.85	21.93	21.89	22	0.6				
5	HQAM	12	14	21.85	21.93	21.89						
5	HQAM	25	0	21.85	21.93	21.89						
5	HQAM	25	0	21.85	21.93	21.89						
5	HQAM	1	0	19.25	19.39	19.22						
5	SSBDM	1	40	19.25	19.40	19.25	20	2.6				
5	SSBDM	1	24	19.25	19.40	19.25						
5	SSBDM	12	0	19.19	19.29	19.19						
5	SSBDM	12	7	19.25	19.25	19.22	20	2.6				
5	SSBDM	12	14	19.25	19.35	19.20						
5	SSBDM	25	0	19.29	19.39	19.28						
Channel 17265 17265 17265												
Frequency (MHz)												
3	QPSK	1	0	21.85	22.00	21.86						
3	QPSK	1	8	21.85	21.88	21.83	22.6	0				
3	QPSK	1	16	21.85	21.93	21.83						
3	QPSK	8	0	21.85	22.02	21.92						
3	QPSK	8	4	21.81	21.76	21.75	22.6	0				
3	QPSK	8	8	21.85	21.85	21.74						
3	QPSK	16	0	21.78	21.90	21.88						
3	HQAM	1	0	21.87	21.79	21.92	22.6	0				
3	HQAM	1	8	21.88	21.88	21.89						
3	HQAM	1	16	21.81	21.83	21.85						
3	HQAM	8	0	21.84	21.84	21.82						
3	HQAM	8	4	21.84	21.80	21.77	22.6	0				
3	HQAM	8	8	21.80	21.83	21.81						
3	HQAM	16	0	21.75	21.85	21.85						
3	HQAM	1	8	21.87	21.84	21.89	22.6	0				
3	HQAM	1	16	21.88	21.82	21.82						
3	HQAM	8	4	21.84	21.80	21.80						
3	HQAM	8	8	21.80	21.83	21.81						
3	HQAM	16	0	21.82	21.85	21.85	22	0.6				
3	HQAM	16	0	21.86	21.86	21.88						
3	HQAM	1	0	19.26	19.39	19.22						
3	SSBDM	1	40	19.26	19.40	19.22	20	2.6				
3	SSBDM	1	24	19.26	19.40	19.22						
3	SSBDM	8	0	19.27	19.38	19.24						
3	SSBDM	8	4	19.28	19.38	19.24	20	2.6				
3	SSBDM	8	8	19.29	19.39	19.24						
3	SSBDM	16	0	19.25	19.35	19.20						
3	SSBDM	16	0	19.27	19.37	19.20						
Channel 132975 132975 132975												
Frequency (MHz)												
1.4	QPSK	1	0									

Band 38_Ant 6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.55	22.60	22.51	22.8	0				
20	QPSK	1	48	22.44	22.37	22.44						
20	QPSK	1	96	22.52	22.44	22.39						
20	QPSK	50	0	22.50	22.50	22.44	22.8	0				
20	QPSK	50	24	22.46	22.47	22.41						
20	QPSK	50	50	22.50	22.50	22.44						
20	16QAM	1	0	22.49	22.56	22.45	22.8	0				
20	16QAM	1	48	22.46	22.45	22.43						
20	16QAM	1	96	22.46	22.50	22.43						
20	16QAM	50	0	22.49	22.47	22.36	22.8	0				
20	16QAM	50	24	22.45	22.50	22.33						
20	16QAM	50	50	22.48	22.47	22.47						
20	16QAM	100	0	22.44	22.47	22.34	22.8	0				
20	64QAM	1	0	22.47	22.43	22.43						
20	64QAM	1	48	22.51	22.49	22.45						
20	64QAM	1	96	22.46	22.53	22.45	21.8	1				
20	64QAM	50	0	21.69	21.62	21.56						
20	64QAM	50	24	21.57	21.68	21.61						
20	64QAM	50	50	21.74	21.77	21.74	19.8	3				
20	64QAM	100	0	21.69	21.74	21.58						
20	256QAM	1	0	19.19	19.35	19.27						
20	256QAM	1	48	19.42	19.34	19.30	19.8	3				
20	256QAM	1	96	19.29	19.30	19.18						
20	256QAM	50	0	19.34	19.39	19.25						
20	256QAM	50	24	19.40	19.47	19.33	19.8	3				
20	256QAM	50	50	19.16	19.37	19.39						
20	256QAM	100	0	19.27	19.39	19.31	19.8	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.72	22.65	22.73				22.8	0	
15	QPSK	1	37	22.42	22.45	22.40						
15	QPSK	1	74	22.45	22.39	22.34						
15	QPSK	36	0	22.40	22.44	22.48	22.8	0				
15	QPSK	36	20	22.45	22.40	22.31						
15	QPSK	36	36	22.41	22.43	22.42						
15	QPSK	75	0	22.27	22.40	22.23	22.8	0				
15	16QAM	1	0	22.39	22.43	22.32						
15	16QAM	1	37	22.37	22.39	22.33						
15	16QAM	1	74	22.38	22.46	22.32	22.8	0				
15	16QAM	36	0	22.47	22.42	22.30						
15	16QAM	36	20	22.30	22.52	22.20						
15	16QAM	36	36	22.47	22.32	22.43	22.8	0				
15	16QAM	75	0	22.41	22.39	22.21						
15	64QAM	1	0	22.32	22.30	22.26	22.8	0				
15	64QAM	1	37	22.38	22.36	22.44						
15	64QAM	1	74	22.43	22.40	22.36	21.8	1				
15	64QAM	36	0	21.67	21.63	21.51						
15	64QAM	36	20	21.48	21.62	21.48						
15	64QAM	36	36	21.67	21.69	21.63	19.8	3				
15	64QAM	75	0	21.55	21.60	21.52						
15	256QAM	1	0	19.15	19.24	19.22						
15	256QAM	1	37	19.41	19.26	19.25	19.8	3				
15	256QAM	1	74	19.22	19.18	19.09						
15	256QAM	36	0	19.21	19.24	19.17						
15	256QAM	36	20	19.33	19.32	19.21	19.8	3				
15	256QAM	36	36	19.08	19.29	19.27						
15	256QAM	75	0	19.13	19.25	19.27						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.46	22.52	22.38	22.8	0				
10	QPSK	1	25	22.33	22.47	22.36						
10	QPSK	1	49	22.50	22.36	22.34						
10	QPSK	25	12	22.33	22.34	22.35	22.8	0				
10	QPSK	25	25	22.45	22.48	22.41						
10	QPSK	50	0	22.28	22.27	22.29						
10	16QAM	1	0	22.42	22.42	22.33	22.8	0				
10	16QAM	1	25	22.32	22.34	22.32						
10	16QAM	1	49	22.44	22.44	22.41						
10	16QAM	12	0	22.41	22.36	22.35	22.8	0				
10	16QAM	12	12	22.42	22.50	22.21						
10	16QAM	25	0	22.37	22.32	22.37						
10	16QAM	50	0	22.34	22.43	22.24	21.8	1				
10	64QAM	1	25	22.46	22.34	22.36						
10	64QAM	1	49	22.31	22.52	22.46						
10	64QAM	25	12	21.42	21.56	21.48	19.8	3				
10	64QAM	25	25	21.61	21.63	21.60						
10	64QAM	50	0	21.62	21.65	21.43						
10	256QAM	1	0	19.10	19.32	19.21	19.8	3				
10	256QAM	1	25	19.35	19.29	19.23						
10	256QAM	1	49	19.14	19.15	19.06						
10	256QAM	25	12	19.34	19.40	19.20	19.8	3				
10	256QAM	25	25	19.06	19.35	19.25						
10	256QAM	50	0	19.15	19.27	19.20						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.52	22.52	22.38	22.8	0				
5	QPSK	1	12	22.38	22.50	22.33						
5	QPSK	1	24	22.47	22.37	22.29						
5	QPSK	12	0	22.38	22.49	22.42	22.8	0				
5	QPSK	12	7	22.38	22.33	22.31						
5	QPSK	12	13	22.36	22.47	22.29						
5	QPSK	25	0	22.26	22.45	22.30	22.8	0				
5	16QAM	1	0	22.39	22.45	22.42						
5	16QAM	1	12	22.33	22.36	22.39						
5	16QAM	1	24	22.41	22.45	22.42	22.8	0				
5	16QAM	12	0	22.46	22.38	22.39						
5	16QAM	12	7	22.37	22.47	22.23						
5	16QAM	12	13	22.38	22.36	22.46	22.8	0				
5	64QAM	1	0	22.34	22.40	22.31						
5	64QAM	1	12	22.35	22.36	22.40						
5	64QAM	1	24	22.52	22.35	22.31	21.8	1				
5	64QAM	12	0	21.54	21.54	21.49						
5	64QAM	12	7	21.50	21.54	21.48						
5	64QAM	12	13	21.61	21.75	21.64	19.8	3				
5	64QAM	25	0	21.57	21.69	21.45						
5	256QAM	1	0	19.10	19.29	19.20						
5	256QAM	1	12	19.28	19.31	19.25	19.8	3				
5	256QAM	1	24	19.25	19.16	19.10						
5	256QAM	12	0	19.27	19.29	19.14						
5	256QAM	12	7	19.32	19.42	19.26	19.8	3				
5	256QAM	12	13	19.11	19.24	19.27						
5	256QAM	25	0	19.20	19.34	19.16						

Band 38_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.91	22.93	22.70	23.6	0	
20	QPSK	1	48	22.79	22.82	22.57			
20	QPSK	1	96	22.81	22.88	22.64			
20	QPSK	50	0	22.27	22.40	22.38	23.1	0.5	
20	QPSK	50	24	22.23	22.30	22.26			
20	QPSK	50	50	22.15	22.30	22.26	23.1	0.5	
20	QPSK	50	74	22.11	22.26	22.22			
20	16QAM	1	0	22.30	22.31	22.29	22.1	1.5	
20	16QAM	1	48	22.25	22.30	22.40			
20	16QAM	1	96	22.23	22.26	22.36	22.1	1.5	
20	16QAM	1	144	22.15	22.24	22.36			
20	16QAM	50	24	21.38	21.47	21.33	22.1	1.5	
20	16QAM	50	50	21.31	21.36	21.26			
20	16QAM	100	0	21.21	21.30	21.52	22.1	1.5	
20	16QAM	100	50	21.20	21.36	21.42			
20	16QAM	1	48	21.54	21.45	21.42	22.1	1.5	
20	16QAM	1	96	21.24	21.24	21.28			
20	16QAM	50	24	20.28	20.40	20.27	21.1	2.5	
20	16QAM	50	24	20.29	20.40	20.28			
20	16QAM	50	50	20.28	20.43	20.34	19.1	4.5	
20	16QAM	100	0	20.26	20.38	20.22			
20	256QAM	1	48	18.17	18.26	18.10	19.1	4.5	
20	256QAM	1	96	18.18	18.36	18.17			
20	256QAM	1	144	18.09	18.24	18.03	19.1	4.5	
20	256QAM	1	192	18.29	18.39	18.17			
20	256QAM	50	24	18.29	18.35	18.41	19.1	4.5	
20	256QAM	50	50	18.18	18.37	18.12			
20	256QAM	100	0	18.30	18.42	18.27	Turn-on time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.83	22.87	22.64	23.6	0	
15	QPSK	1	37	22.66	22.77	22.42			
15	QPSK	1	74	22.72	22.83	22.48			
15	QPSK	36	0	22.23	22.28	22.30	23.1	0.5	
15	QPSK	36	20	22.12	22.18	22.06			
15	QPSK	36	38	22.14	22.21	22.24	23.1	0.5	
15	QPSK	36	62	22.07	22.12	22.14			
15	16QAM	1	0	22.17	22.22	22.18	23.1	0.5	
15	16QAM	1	37	22.23	22.32	22.26			
15	16QAM	1	74	22.26	22.24	22.30	22.1	1.5	
15	16QAM	1	111	21.16	21.38	21.42			
15	16QAM	36	0	21.27	21.34	21.26	22.1	1.5	
15	16QAM	36	20	21.16	21.30	21.25			
15	16QAM	36	38	21.15	21.16	21.22	22.1	1.5	
15	16QAM	36	62	21.12	21.17	21.22			
15	16QAM	1	37	21.42	21.41	21.41	22.1	1.5	
15	16QAM	1	74	21.23	21.25	21.40			
15	16QAM	1	111	20.38	20.38	20.38	21.1	2.5	
15	16QAM	36	20	20.24	20.25	20.20			
15	16QAM	36	38	20.15	20.39	20.26	19.1	4.5	
15	16QAM	36	62	20.23	20.29	20.26			
15	256QAM	1	37	18.12	18.18	18.05	19.1	4.5	
15	256QAM	1	74	18.10	18.29	18.11			
15	256QAM	1	111	18.08	18.17	17.98	19.1	4.5	
15	256QAM	1	144	18.25	18.27	18.22			
15	256QAM	36	20	18.21	18.30	18.29	Turn-on time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.82	22.82	22.55	23.6	0	
10	QPSK	1	25	22.74	22.67	22.44			
10	QPSK	1	48	22.70	22.69	22.41			
10	QPSK	25	0	22.22	22.29	22.21	23.1	0.5	
10	QPSK	25	12	22.10	22.23	22.10			
10	QPSK	25	25	22.13	22.23	22.20	23.1	0.5	
10	QPSK	25	37	22.03	22.12	22.12			
10	16QAM	1	0	22.17	22.22	22.15	22.1	1.5	
10	16QAM	1	25	22.24	22.20	22.36			
10	16QAM	1	48	22.31	22.29	22.18	22.1	1.5	
10	16QAM	1	75	21.13	21.29	21.18			
10	16QAM	25	12	21.27	21.32	21.21	22.1	1.5	
10	16QAM	25	25	21.27	21.26	21.22			
10	16QAM	25	37	21.16	21.21	21.34	22.1	1.5	
10	16QAM	1	0	21.12	21.20	21.19			
10	16QAM	1	25	21.44	21.30	21.27	22.1	1.5	
10	16QAM	1	48	21.17	21.25	21.24			
10	16QAM	25	12	20.15	20.29	20.16	21.1	2.5	
10	16QAM	25	25	20.27	20.41	20.24			
10	16QAM	25	37	20.10	20.30	20.18	19.1	4.5	
10	256QAM	1	0	18.02	18.14	18.06			
10	256QAM	1	25	18.06	18.27	17.98	19.1	4.5	
10	256QAM	1	48	18.07	18.29	18.09			
10	256QAM	1	75	18.23	18.30	18.33	19.1	4.5	
10	256QAM	25	12	18.27	18.32	18.29			
10	256QAM	25	25	18.20	18.28	18.27	Turn-on time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.82	22.79	22.69	23.6	0	
5	QPSK	1	12	22.11	22.73	22.51			
5	QPSK	1	24	22.77	22.72	22.49			
5	QPSK	12	0	22.23	22.27	22.21	23.1	0.5	
5	QPSK	12	7	22.16	22.26	22.15			
5	QPSK	12	14	22.09	22.22	22.16	23.1	0.5	
5	QPSK	25	0	22.05	22.25	22.11			
5	16QAM	1	0	22.21	22.30	22.27	22.1	1.5	
5	16QAM	1	12	22.22	22.24	22.30			
5	16QAM	12	0	21.11	21.29	21.13	22.1	1.5	
5	16QAM	12	7	21.27	21.34	21.26			
5	16QAM	12	13	21.21	21.34	21.26	22.1	1.5	
5	16QAM	25	0	21.16	21.20	21.21			
5	16QAM	25	13	21.17	21.11	21.14	22.1	1.5	
5	16QAM	1	12	21.47	21.43	21.41			
5	16QAM	12	0	20.18	21.25	21.27	21.1	2.5	
5	16QAM	12	0	20.20	20.27	20.12			
5	16QAM	12	7	20.18	20.38	20.21	19.1	4.5	
5	16QAM	12	13	20.17	20.38	20.20			
5	16QAM	25	0	20.15	20.30	20.17	19.1	4.5	
5	256QAM	1	0	18.03	18.08	17.98			
5	256QAM	1	12	18.17	18.32	18.05	19.1	4.5	
5	256QAM	1	24	18.04	18.30	18.07			
5	256QAM	12	0	18.20	18.31	18.21	19.1	4.5	
5	256QAM	12	7	18.15	18.24	18.34			
5	256QAM	12	13	18.04	18.30	18.09	19.1	4.5	
5	256QAM	25	0	18.05	18.20	18.09			

Band 41_Ant 6												
BW (MHz)	Modulation	RB Size	RB Offset	Fd IC Power Low Ch./Freq.	Power Low Ch./Freq.	Power Low Ch./Freq.	Power Low Ch./Freq.	Power Low Ch./Freq.	Power High Ch./Freq.	Turn-on Time (ms)	MPR (dB)	
Channel												
	Frequency (MHz)			39750	39750	40185	40620	41055	41490			
20	QPSK	1	0	22.02	22.03	22.06	22.10	21.97	21.79			
20	QPSK	1	49	21.98	22.00	21.98	22.07	21.96	21.78	22.3	0	
20	QPSK	50	0	21.98	22.01	21.97	22.09	21.91	21.78			
20	QPSK	50	0	21.91	21.97	21.91	22.04	21.85	21.75			
20	QPSK	50	24	21.82	21.90	21.93	22.03	21.88	21.68	22.3	0	
20	QPSK	50	50	21.87	21.90	21.91	21.97	21.92	21.68			
20	QPSK	100	0	21.86	21.86	21.86	21.93	21.92	21.71			
20	16QAM	1	0	21.90	21.99	22.04	22.01	21.88	21.73			
20	16QAM	1	49	21.92	21.94	21.97	22.01	21.91	21.75	22.3	0	
20	16QAM	1	99	21.95	22.01	21.96	22.00	21.97	21.70			
20	16QAM	50	0	21.90	22.03	21.98	22.04	21.91	21.73			
20	16QAM	50	24	21.94	22.02	22.04	22.02	21.89	21.70			
20	16QAM	50	50	21.93	21.93	21.97	22.01	21.91	21.75			
20	16QAM	100	0	21.91	21.96	21.98	22.03	21.89	21.70			
20	64QAM	1	0	21.88	22.00	21.98	22.03	21.92	21.77			
20	64QAM	1	49	21.98	22.02	21.98	22.02	21.93	21.73	22.3	0	
20	64QAM	1	99	21.97	21.99	22.02	22.03	21.88	21.75			
20	64QAM	50	0	21.93	21.92	21.81	21.88	21.67	21.77			
20	64QAM	50	24	21.60	21.82	21.92	21.72	21.60	21.74	21.8	0.5	
20	64QAM	50	50	21.93	21.92	21.83	21.89	21.58	21.64			
20	64QAM	100	0	21.66	21.57	21.58	21.61	21.52	21.55			
20	256QAM	1	0	19.45	19.42	19.44	19.43	19.49	19.45			
20	256QAM	1	49	19.54	19.45	19.45	19.45	19.49	19.57	19.8	2.5	
20	256QAM	1	99	19.51	19.30	19.42	19.52	19.49	19.42			
20	256QAM	50	0	19.35	19.39	19.37	19.48	19.48	19.66			
20	256QAM	50	24	19.60	19.53	19.54	19.68	19.55	19.71	19.8	2.5	
20	256QAM	50	50	19.54	19.46	19.54	19.59	19.49	19.70			
20	256QAM	100	0	19.64	19.54	19.57	19.57	19.63	19.68			
Channel												
	Frequency (MHz)			39755	39755	40173	40620	41058	41515			
15	QPSK	1	0	22.075	22.075	22.075	22.075	22.075	22.075			
15	QPSK	1	37	21.92	22.03	21.95	22.00	21.95	21.71	22.3	0	
15	QPSK	1	74	21.94	22.00	21.83	22.04	21.83	21.75			
15	QPSK	36	0	21.77	21.84	21.86	22.03	21.85	21.71			
15	QPSK	36	36	21.72	21.87	21.87	22.01	21.84	21.65	22.3	0	
15	QPSK	36	74	21.76	21.76	21.78	21.81	21.79	21.57			
15	16QAM	1	0	21.88	21.86	21.87	21.89	21.86	21.69			
15	16QAM	1	37	21.83	21.91	21.89	21.86	21.90	21.63	22.3	0	
15	16QAM	1	74	21.80	21.89	21.84	21.86	21.91	21.63			
15	16QAM	36	0	21.83	21.93	21.86	21.88	21.86	21.65			
15	16QAM	36	36	21.83	21.90	21.82	21.89	21.86	21.65			
15	16QAM	36	74	21.83	21.83	21.85	21.89	21.80	21.74			
15	16QAM	75	0	21.89	21.85	21.90	21.89	21.79	21.72			
15	64QAM	1	0	21.77	21.93	21.91	22.02	21.88	21.66	22.3	0	
15	64QAM	1	37	21.94	21.97	21.90	22.01	21.79	21.68			
15	64QAM	1	74	21.93	21.85	22.01	21.95	21.81	21.65			
15	64QAM	36	0	21.43	21.61	21.51	21.57	21.64	21.70	21.8	0.5	
15	64QAM	36	36	21.50	21.59	21.49	21.62	21.56	21.50			
15	64QAM	36	74	21.58	21.53	21.53	21.46	21.38	21.49			
15	256QAM	1	0	19.38	19.32	19.39	19.39	19.35	19.36			
15	256QAM	1	37	19.52	19.34	19.50	19.42	19.44	19.53	19.8	2.5	
15	256QAM	1	74	19.36	19.29	19.31	19.51	19.43	19.38			
15	256QAM	36	0	19.21	19.37	19.46	19.37	19.45	19.63			
15	256QAM	36	36	19.45	19.44	19.45	19.45	19.45	19.45	19.8	2.5	
15	256QAM	36	74	19.44	19.44	19.40	19.49	19.39	19.69			
15	256QAM	75	0	19.48	19.33	19.36	19.46	19.37	19.50			
Channel												
	Frequency (MHz)			39760	39760	40180	40620	41080	41540			
10	QPSK	1	0	21.98	22.00	21.91	22.00	21.91	21.84			
10	QPSK	1	25	21.89	21.92	21.86	21.87	21.82	21.73	22.3	0	
10	QPSK	1	49	21.85	21.92	21.90	22.03	21.85	21.75			
10	QPSK	25	0	21.83	21.92	21.92	21.89	21.84	21.69			
10	QPSK	25	12	21.72	21.86	21.87	21.93	21.84	21.63			
10	QPSK	25	25	21.72	21.79	21.90	21.82	21.79	21.56	21.8	0.5	
10	QPSK	50	0	21.82	21.86	21.87	21.91	21.81	21.68			
10	16QAM	1	0	21.78	21.84	21.97	21.94	21.77	21.60			
10	16QAM	1	25	21.78	21.81	21.82	21.89	21.84	21.73	22.3	0	
10	16QAM	1	49	21.78	21.90	21.91	21.96	21.86	21.60			
10	16QAM	1	74	21.80	21.86	21.87	21.89	21.86	21.69			
10	16QAM	25	0	21.92	21.98	21.96	21.89	21.87	21.69			
10	16QAM	25	12	21.80	21.89	22.01	21.87	21.88	21.62	22.3	0	
10	16QAM	25	25	21.87	21.91	21.88	21.86	21.89	21.62			
10	16QAM	50	0	21.78	21.85	21.83	21.89	21.76	21.71			
10	64QAM	1	0	21.75	21.96	21.94	22.01	21.86	21.76			
10	64QAM	1	25	21.66	21.94	21.62	21.89	21.80	21.64	22.3	0	
10	64QAM	1	49	21.87	21.86	21.89	22.00	21.83	21.69			
10	64QAM	1	74	21.80	21.82	21.87	21.86	21.82	21.68			
10	64QAM	25	0	21.42	21.52	21.51	21.53	21.62	21.74			
10	64QAM	25	12	21.48	21.48	21.41	21.71	21.56	21.65	21.8	0.5	
10	64QAM	25	25	21.48	21.53	21.52	21.67	21.45	21.62			
10	64QAM	50	0	21.59	21.52	21.49	21.46	21.51	21.45			
10	256QAM	1	0	19.44	19.36	19.30	19.38	19.44	19.34			
10	256QAM	1	25	19.53	19.44	19.47	19.48	19.35	19.49	19.8	2.5	
10	256QAM	1	49	19.46	19.19	19.37	19.41	19.47	19.35			
10	256QAM	25	0	19.30	19.37	19.42	19.37	19.36	19.51			
10	256QAM	25	12	19.57	19.39	19.40	19.51	19.40	19.68			
10	256QAM	25	25	19.39	19.36	19.44	19.52	19.42	19.65			
10	256QAM	50	0	19.55	19.48	19.55	19.45	19.54	19.61	19.8	2.5	
Channel												
	Frequency (MHz)			39765	39765	40185	40620	41085	41545			
5	QPSK	1	0	21.98	22.02	21.99	21.99	21.89	21.71			
5	QPSK	1	12	21.88	21.89	21.90	21.93	21.93	21.75	22.3	0	
5	QPSK	1	24	21.91	21.93	21.84	22.02	21.84	21.68			
5	QPSK	12	0	21.86	21.92	21.90	22.00	21.82	21.66			
5	QPSK	12	7	21.81	21.84	21.83	21.96	21.79	21.63	22.3	0	
5	QPSK	12	13	21.75	21.83	21.83	21.84	21.87	21.57			
5	QPSK	25	0	21.73	21.72	21.79	21.91	21.91	21.61			
5	16QAM	1	0	21.84	21.90	21.96	21.86	21.76	21.58			
5	16QAM	1	12	21.80	21.86	21.89	21.93	21.82	21.64	22.3	0	
5	16QAM	1	24	21.77	21.96	21.92	21.86	21.82	21.58			
5	16QAM	12	0	21.92	21.97	21.97	22.01	21.86	21.67			
5	16QAM	12	7	21.91	21.92	21.94	21.99	21.88	21.55			
5	16QAM	12	13	21.79	21.86	21.93	21.96	21.83	21.60	22.3	0	
5	16QAM	25	0	21.78	21.96	21.93	21.91	21.79	21.65			
5	64QAM	1	0	21.78	21.96	21.88	21.99	21.85	21.72			
5	64QAM	1	12	21.86	21.92	21.86	22.01	21.84	21.72	22.3	0	
5	64QAM	1	24	21.87	21.87	21.95	21.93	21.81	21.70			
5	64QAM	12	0	21.90	21.91	21.90	21.93	21.85	21.71			
5	64QAM	12	7	21.56	21.52	21.49	21.62	21.59	21.62	21.8	0.5	
5	64QAM	12	13	21.48	21.52	21.61	21.63	21.48	21.59			
5	64QAM	25	0	21.61	21.67	21.49	21.49	21.49	21.43			
5	256QAM	1	0	19.37	19.32	19.35	19.36	19.43	19.39			
5	256QAM	1	12	19.40	19.42	19.46	19.53	19.37	19.55	19.8	2.5	
5	256QAM	1	24									

Band 41 (HPUE)_Ant 7													
BS Modulation	RB Size	RB Offset	Power Low Ch (F/Hz)	Power Low Ch (F/Hz)	Power Low Ch (F/Hz)	Power Mode (F/Hz)	Power Mode (F/Hz)	Power High Ch (F/Hz)	Power High Ch (F/Hz)	Turn-on and off (ms)	MRR (dB)		
Channel													
Frequency (MHz)													
20	QPSK	1	0	24.50	24.37	25.50	25.66	26.50	26.47				
20	QPSK	1	49	24.80	24.51	25.55	25.63	26.47	26.44	26	0		
20	QPSK	1	99	24.80	24.53	25.52	25.64	26.43	26.37				
20	QPSK	1	149	24.50	24.37	25.50	25.66	26.50	26.47				
20	QPSK	50	24	24.11	23.67	24.11	24.69	24.85	24.46			25	1
20	QPSK	50	50	24.13	23.54	24.46	24.68	24.88	24.48				
20	QPSK	50	74	24.11	23.67	24.11	24.69	24.85	24.46				
20	QPSK	50	99	24.30	23.77	24.65	24.88	24.73	24.72				
20	16QAM	1	49	24.36	24.39	24.77	24.94	24.76	24.71	25	1		
20	16QAM	1	99	24.26	23.83	24.67	24.92	24.75	24.72				
20	16QAM	1	149	23.98	23.75	24.38	24.65	24.57	24.55				
20	16QAM	50	24	23.10	22.68	23.61	23.74	23.50	23.53				
20	16QAM	50	50	23.13	22.67	23.50	23.73	23.62	23.48			24	2
20	16QAM	100	0	23.05	22.61	23.46	23.68	24.47	23.46				
20	16QAM	100	0	23.15	22.68	23.50	23.72	24.45	23.49				
20	64QAM	1	49	23.32	22.80	23.66	23.91	23.79	23.66			24	2
20	64QAM	1	99	23.23	22.78	23.70	23.85	23.71	23.74				
20	64QAM	1	149	23.21	22.67	23.58	23.81	24.60	23.75				
20	64QAM	50	24	21.98	21.72	22.56	22.77	22.66	22.55			23	3
20	64QAM	50	50	22.23	21.81	22.65	22.87	23.51	22.61				
20	64QAM	100	0	22.15	21.59	22.48	22.86	23.52	22.43				
20	256QAM	1	49	20.87	19.81	20.30	20.52	20.38	20.35				
20	256QAM	1	99	20.08	19.52	20.48	20.65	20.48	20.43				
20	256QAM	1	149	20.08	19.50	20.48	20.55	20.42	20.45				
20	256QAM	50	24	20.09	19.64	20.52	20.72	20.59	20.60				
20	256QAM	50	50	20.03	19.60	20.54	20.65	20.44	20.46				
20	256QAM	100	0	20.16	19.62	20.50	20.74	20.61	20.56			Turn-on and off (ms)	MRR (dB)
Channel													
Frequency (MHz)													
15	QPSK	1	0	24.78	24.47	25.56	25.43	26.37	26.35				
15	QPSK	1	37	24.79	24.36	25.58	25.32	26.41	26.30	26	0		
15	QPSK	1	74	24.81	24.43	25.59	25.47	26.43	26.36				
15	QPSK	36	0	24.07	23.67	24.63	24.60	24.59	24.47				
15	QPSK	36	20	23.98	23.65	24.65	24.38	24.36	24.36			25	1
15	QPSK	36	39	23.69	23.49	24.65	24.32	24.46	24.41				
15	QPSK	36	58	24.05	23.68	24.39	24.32	24.38	24.35			</td>	

Band 41_Ant 5											
BW [MHz]	Modulation	RIS Rise	RIS Offset	Power IC Low Ch./Freq.	Power Low Mid Ch./Freq.	Power Low High Ch./Freq.	Power Mode Mid Ch./Freq.	Power High Mid Ch./Freq.	Power High High Ch./Freq.	Tune-up Int. (min)	MPE (dB)
Channel											
20	QPSK	1	0	23.18	23.21	23.18	23.23	23.02	23.15		
20	QPSK	1	49	23.09	23.09	23.03	23.10	22.99	23.05	23.3	0
20	QPSK	1	99	23.18	23.13	23.03	23.21	22.87	23.06		
20	QPSK	1	149	23.09	23.05	23.03	23.18	22.99	23.14		
20	QPSK	50	24	23.03	23.08	23.08	23.15	22.85	23.08	23.3	0
20	QPSK	50	74	23.03	23.07	23.09	23.07	23.15	22.91	23.04	
20	QPSK	100	0	23.03	23.07	23.03	23.15	22.87	23.04		
20	QPSK	150	0	23.14	23.06	23.15	23.14	22.97	23.07		
20	16QAM	1	49	23.18	23.18	23.15	23.22	22.94	23.08	23.3	0
20	16QAM	1	99	23.17	23.06	23.12	23.18	22.91	23.14		
20	16QAM	1	149	23.12	23.17	23.20	23.13	22.98	23.19		
20	16QAM	50	24	22.38	22.34	22.38	22.28	22.24	22.34		
20	16QAM	50	74	22.28	22.16	22.18	22.42	22.16	22.27	22.8	0.5
20	16QAM	100	0	22.18	22.28	22.36	22.33	22.07	22.18		
20	64QAM	1	49	23.18	23.08	23.15	23.18	22.91	23.14	22.8	0
20	64QAM	1	99	23.13	23.12	23.22	23.22	22.86	22.99		
20	64QAM	1	149	23.15	23.17	23.20	23.13	22.98	23.19		
20	64QAM	50	24	21.28	21.36	21.40	21.45	21.04	21.25	21.8	1.5
20	64QAM	50	74	21.38	21.31	21.28	21.44	21.08	21.24		
20	64QAM	100	0	21.24	21.25	21.31	21.34	20.99	21.28		
20	256QAM	1	49	19.22	19.35	19.33	19.39	19.08	19.28	19.8	3.5
20	256QAM	1	99	19.24	19.24	19.27	19.27	19.07	19.20		
20	256QAM	1	149	19.23	19.23	19.23	19.23	19.07	19.20		
20	256QAM	50	24	19.33	19.22	19.23	19.37	19.03	19.35	19.8	3.5
20	256QAM	50	74	19.31	19.30	19.21	19.29	18.96	19.28		
20	256QAM	100	0	19.28	19.28	19.21	19.31	19.08	19.18		
Frequency (MHz)											
				2007.5	2007.5	2004.3	2003	2007.3	2007.5	Tune-up Int. (min)	MPE (dB)
15	QPSK	1	0	23.18	23.18	23.08	23.16	22.87	23.01		
15	QPSK	1	97	22.99	23.05	23.02	23.00	22.84	22.99	23.3	0
15	QPSK	1	194	23.12	23.07	23.08	23.13	22.87	23.04		
15	QPSK	36	0	23.08	23.07	23.05	23.08	22.87	23.01		
15	QPSK	36	20	22.91	22.99	22.99	23.07	22.89	22.97	23.3	0
15	QPSK	36	98	22.89	22.99	22.92	23.01	22.77	22.89		
15	QPSK	72	0	23.00	23.06	23.06	23.13	22.79	23.03		
15	16QAM	1	0	23.09	22.93	23.08	23.09	22.83	23.00		
15	16QAM	1	37	23.09	23.06	23.10	23.13	22.79	22.95	23.3	0
15	16QAM	1	74	23.07	23.05	23.08	23.13	22.76	22.99		
15	16QAM	1	111	23.12	23.07	23.08	23.13	22.87	23.04		
15	16QAM	36	20	23.25	23.24	23.31	23.24	22.20	22.25	22.8	0.5
15	16QAM	36	98	22.26	22.08	22.14	22.40	22.01	22.19		
15	16QAM	72	0	23.00	23.22	23.22	23.22	22.79	23.03		
15	64QAM	1	0	21.90	21.97	21.95	22.08	21.80	22.06		
15	64QAM	1	37	22.10	22.17	22.19	22.33	22.10	22.13	22.8	0.5
15	64QAM	1	74	22.11	22.05	22.10	22.14	21.91	22.08		
15	64QAM	36	20	21.09	21.12	21.12	21.23	20.89	21.07		
15	64QAM	36	20	21.15	21.25	21.38	21.38	21.01	21.13	21.8	1.5
15	64QAM	36	98	21.34	21.33	21.31	21.30	21.05	21.18		
15	64QAM	72	0	21.26	21.26	21.26	21.30	21.02	21.18		
15	256QAM	1	0	19.01	18.97	19.09	19.11	19.01	19.10	19.8	3.5
15	256QAM	1	37	19.21	19.30	19.30	19.35	19.06	19.17		
15	256QAM	1	74	19.16	19.16	19.24	19.23	18.97	19.19		
15	256QAM	36	20	19.18	19.14	19.28	19.38	18.98	19.22		
15	256QAM	36	20	19.32	19.20	19.11	19.33	18.93	19.26	19.8	3.5
15	256QAM	36	98	19.30	19.25	19.09	19.25	18.81	19.26		
15	256QAM	72	0	19.16	19.16	19.16	19.20	18.90	19.07		
Channel											
				3074.6	3070.0	3016.0	3002.0	3106.6	3100.0	Tune-up Int. (min)	MPE (dB)
				2505	2501	2477	2503	2539	2585		
10	QPSK	1	0	23.18	23.12	23.15	23.08	23.01	23.04		
10	QPSK	1	25	23.05	23.02	22.86	23.05	22.90	22.97	23.3	0
10	QPSK	1	48	23.05	23.02	22.86	23.15	22.79	22.93		
10	QPSK	25	0	23.03	23.04	23.02	23.11	22.89	23.04		
10	QPSK	25	12	23.02	22.98	23.03	23.06	22.85	23.04	23.3	0
10	QPSK	25	25	22.88	23.01	22.97	23.08	22.79	23.03		
10	QPSK	50	0	23.00	22.97	22.98	23.05	22.87	23.02		
10	16QAM	1	0	23.00	23.03	23.00	23.06	22.86	22.93		
10	16QAM	1	25	23.11	23.13	23.11	23.09	22.81	23.05	23.3	0
10	16QAM	1	48	23.05	23.02	22.86	23.15	22.79	22.93		
10	16QAM	25	0	22.07	22.04	22.24	22.11	21.83	22.00		
10	16QAM	25	12	22.35	22.30	22.34	22.28	22.20	22.31	22.8	0.5
10	16QAM	25	25	22.14	22.06	22.07	22.31	22.03	22.20		
10	16QAM	50	0	23.13	23.23	23.23	23.23	22.97	23.12		
10	64QAM	1	0	21.84	22.05	21.88	22.14	21.76	21.86		
10	64QAM	1	25	22.10	22.21	22.22	22.31	22.06	22.13	22.8	0.5
10	64QAM	1	48	22.11	22.11	22.11	22.17	21.90	22.07		
10	64QAM	25	0	21.15	21.09	21.21	21.15	20.81	21.11		
10	64QAM	25	12	21.16	21.25	21.35	21.31	21.00	21.15	21.8	1.5
10	64QAM	25	25	21.25	21.21	21.21	21.33	21.00	21.19		
10	64QAM	50	0	21.07	21.17	21.27	21.27	20.98	21.19		
10	256QAM	1	0	19.03	18.96	18.98	19.07	18.96	19.20		
10	256QAM	1	25	19.19	19.24	19.23	19.31	19.05	19.18	19.8	3.5
10	256QAM	1	48	19.22	19.12	19.22	19.27	18.98	19.18		
10	256QAM	25	0	18.99	19.15	18.97	19.19	18.88	19.18		
10	256QAM	25	12	19.24	19.20	19.19	19.23	18.99	19.35	19.8	3.5
10	256QAM	25	25	19.29	19.29	19.18	19.15	18.82	19.19		
10	256QAM	50	0	19.07	19.25	19.19	19.24	18.96	19.28		
Channel											
				3975.5	3976.5	4014.8	4020.0	4109.3	4156.5	Tune-up Int. (min)	MPE (dB)
5	QPSK	1	0	23.12	23.09	23.13	23.22	22.87	23.01		
5	QPSK	1	12	22.96	22.99	22.99	23.08	22.93	22.90	23.3	0
5	QPSK	1	24	23.12	23.11	23.11	23.18	22.92	23.06		
5	QPSK	12	0	23.08	22.98	22.97	23.11	22.83	22.99		
5	QPSK	12	7	22.97	22.98	23.03	23.09	22.93	23.04	23.3	0
5	QPSK	24	0	22.98	22.99	22.99	23.07	22.87	22.98		
5	QPSK	25	0	23.12	22.94	22.90	23.01	22.80	23.00		
5	16QAM	1	0	23.01	22.93	23.02	23.01	22.83	22.94		
5	16QAM	1	12	23.12	23.05	23.11	23.08	22.87	23.04	23.3	0
5	16QAM	12	0	23.01	22.93	23.02	23.17	22.87	23.01		
5	16QAM	12	0	22.10	22.10	22.11	22.20	21.82	22.01		
5	16QAM	12	7	22.23	22.23	22.23	22.26	22.12	22.27	22.8	0.5
5	16QAM	12	12	22.23	22.23	22.23	22.27	22.12	22.24		
5	16QAM	25	0	22.11	22.04	22.23	22.24	22.04	22.29		
5	64QAM	1	0	21.84	21.95	21.86	22.15	21.76	22.05		
5	64QAM	1	12	22.11	22.22	22.17	22.40	22.01	22.08	22.8	0.5
5	64QAM	12	0	21.88	21.98	22.10	22.14	21.88	21.96		
5	64QAM	12	0	21.05	21.15	21.15	21.20	20.94	21.17		
5	64QAM	12	7	21.16	21.27	21.26	21.34	20.96	21.20	21.8	1.5
5	64QAM	12	12	21.25	21.24	21.12	21.31	21.05	21.09		
5	256QAM	1	0	21.35	21.23	21.35	21.26	21.02	21.29	19.8	3.5
5	256QAM	1	0	19.03	18.98	19.00	19.15	18.99	19.16		
5	256QAM	1	12	19.13	19.33	19.18	19.33	18.94	19.23	19.8	3.5
5	256QAM	1	12	19.13	19.13	19.13	19.13	18.94	19.13		
5	256QAM	12	0	19.04	19.08	19.04	19.19	18.94	19.11		
5	256QAM	12	7	19.18	19.16	19.13	19.26	18.99	19.37	19.8	3.5
5	256QAM	12	12	19.28	19.28	19.18	19.17	18.85	19.16		
5	256QAM	12	12	19.17	19.17	19.17	19.17	18.96	19.16		

Band 41 (HPUE)_Ant 5																
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [mW]	Power Low Ch. [mW]	Power Low Ch. [mW]	Power Low Ch. [mW]	Power High Ch. [mW]	Power High Ch. [mW]	Power High Ch. [mW]	Time-up limit (s)	MPR (dB)				
Frequency (MHz)																
20	QPSK	1	0	24.71	24.80	24.85	24.89	24.50	24.76							
20	QPSK	1	49	24.79	24.79	24.73	24.83	24.55	24.71	24.9	0					
20	QPSK	1	99	24.68	24.68	24.83	24.83	24.60	24.83							
20	QPSK	1	149	24.76	24.76	24.76	24.76	24.76	24.76							
20	QPSK	50	24	24.67	24.74	24.82	24.79	24.57	24.69	24.9	0					
20	QPSK	50	50	24.65	24.75	24.78	24.74	24.59	24.72							
20	QPSK	100	0	24.72	24.76	24.76	24.76	24.76	24.76							
20	QPSK	100	0	24.75	24.76	24.79	24.79	24.66	24.65							
20	16QAM	1	49	24.72	24.75	24.77	24.74	24.58	24.64	24.9	0					
20	16QAM	1	99	24.74	24.75	24.83	24.85	24.56	24.66							
20	16QAM	50	0	24.77	24.77	24.76	24.72	24.54	24.65							
20	16QAM	50	24	24.81	24.80	24.76	24.83	24.59	24.69							
20	16QAM	100	0	24.80	24.77	24.76	24.73	24.59	24.53	24.9	0					
20	16QAM	100	0	24.76	24.70	24.69	24.63	24.55	24.64							
20	64QAM	1	49	24.80	24.84	24.78	24.78	24.51	24.61	24.9	0					
20	64QAM	1	99	24.82	24.88	24.86	24.73	24.55	24.59							
20	64QAM	50	0	23.75	23.92	23.64	23.73	23.55	23.49							
20	64QAM	50	24	23.81	23.90	23.62	23.84	23.68	23.59							
20	64QAM	100	0	23.80	23.89	23.74	23.89	23.65	23.71							
20	256QAM	1	49	23.79	23.99	23.72	23.82	23.62	23.65							
20	256QAM	1	99	23.81	23.82	23.68	23.81	23.63	23.65							
20	256QAM	1	49	21.81	21.84	21.64	21.81	21.47	21.63	22.3	2.6					
20	256QAM	1	99	21.88	21.76	21.54	21.70	21.50	21.45							
20	256QAM	50	0	21.90	21.30	21.54	21.47	21.34	21.30	22.6	2.6					
20	256QAM	50	24	21.50	21.00	21.52	21.63	21.31	21.47							
20	256QAM	100	0	21.53	21.57	21.56	21.62	21.26	21.27							
20	256QAM	100	0	21.53	21.53	21.43	21.56	21.36	21.29	Time-up limit (s)	MPR (dB)					
20	256QAM	100	0	21.57	21.57	21.47	21.59	21.37	21.43							
20	256QAM	100	0	20.52	20.55	20.49	20.53	20.37	20.42							
15	QPSK	1	0	24.65	24.71	24.76	24.80	24.66	24.72							
15	QPSK	1	49	24.68	24.78	24.69	24.76	24.54	24.57	24.9	0					
15	QPSK	1	99	24.58	24.61	24.79	24.78	24.51	24.58							
15	QPSK	36	0	24.60	24.61	24.75	24.78	24.54	24.61							
15	QPSK	36	20	24.58	24.65	24.72	24.64	24.43	24.60							
15	QPSK	36	50	24.60	24.75	24.73	24.68	24.55	24.71							
15	QPSK	36	79	24.68	24.75	24.71	24.77	24.53	24.60							
15	16QAM	1	0	24.70	24.84	24.71	24.73	24.51	24.52							
15	16QAM	1	37	24.70	24.74	24.74	24.65	24.55	24.59	24.9	0					
15	16QAM	1	74	24.61	24.69	24.68	24.73	24.49	24.62							
15	16QAM	50	0	24.70	24.68	24.78	24.78	24.51	24.61							
15	16QAM	50	24	24.73	24.65	24.74	24.83	24.53	24.55							
15	16QAM	36	50	24.73	24.86	24.70	24.81	24.57	24.62							
15	16QAM	74	0	24.72	24.77	24.77	24.68	24.46	24.56							
15	64QAM	1	0	24.72	24.83	24.62	24.83	24.49	24.63							
15	64QAM	1	37	24.65	24.78	24.66	24.87	24.54	24.59	24.9	0					
15	64QAM	1	74	24.70	24.75	24.73	24.85	24.60	24.63							
15	64QAM	36	23	23.80	23.80	23.68	23.80	23.58	23.60							
15	64QAM	36	50	23.69	23.85	23.48	23.71	23.64	23.54	24.3	0.6					
15	64QAM	36	99	23.68	23.74	23.72	23.65	23.52	23.57							
15	64QAM	74	23	23.64	23.64	23.69	23.63	23.46	23.50							
15	256QAM	1	0	21.40	21.39	21.41	21.51	21.33	21.28							
15	256QAM	1	37	21.78	21.77	21.55	21.77	21.40	21.40	22.3	2.6					
15	256QAM	1	74	21.58	21.71	21.50	21.62	21.30	21.44							
15	256QAM	50	0	21.60	21.18	21.47	21.47	21.28	21.28	22.6	2.6					
15	256QAM	50	24	21.44	21.56	21.40	21.56	21.23	21.38							
15	256QAM	36	99	21.44	21.50	21.41	21.56	21.16	21.12							
15	256QAM	74	0	21.47	21.49	21.47	21.47	21.32	21.32	22.3	2.6					
15	256QAM	74	0	20.46	20.50	20.46	20.50	20.30	20.30	Time-up limit (s)	MPR (dB)					
15	256QAM	74	0	20.46	20.50	20.46	20.50	20.30	20.30							
10	QPSK	1	0	24.71	24.85	24.84	24.80	24.64	24.64							
10	QPSK	1	26	24.74	24.69	24.58	24.79	24.60	24.62	24.9	0					
10	QPSK	1	52	24.67	24.63	24.73	24.73	24.54	24.56							
10	QPSK	25	0	24.66	24.58	24.77	24.74	24.48	24.61							
10	QPSK	25	12	24.55	24.63	24.77	24.76	24.48	24.60	24.9	0					
10	QPSK	25	26	24.64	24.66	24.62	24.62	24.58	24.61							
10	QPSK	25	52	24.69	24.70	24.72	24.72	24.58	24.58							
10	16QAM	1	0	24.70	24.71	24.68	24.75	24.58	24.60							
10	16QAM	1	26	24.61	24.67	24.66	24.65	24.45	24.53	24.9	0					
10	16QAM	1	52	24.63	24.63	24.63	24.63	24.45	24.45							
10	16QAM	25	0	24.68	24.68	24.49	24.57	24.43	24.48							
10	16QAM	25	12	24.78	24.69	24.62	24.61	24.58	24.62							
10	16QAM	25	26	24.77	24.86	24.64	24.85	24.56	24.65	24.9	0					
10	16QAM	25	52	24.77	24.68	24.68	24.67	24.52	24.52							
10	64QAM	1	0	24.76	24.73	24.64	24.74	24.55	24.56							
10	64QAM	1	26	24.79	24.83	24.73	24.85	24.65	24.61	24.9	0					
10	64QAM	1	52	24.70	24.70	24.70	24.80	24.60	24.60							
10	64QAM	25	0	23.70	23.50	23.55	23.65	23.49	23.43							
10	64QAM	25	12	23.74	23.84	23.57	23.77	23.56	23.50	24.3	0.6					
10	64QAM	25	26	23.75	23.82	23.68	23.68	23.53	23.60							
10	64QAM	25	52	23.80	23.94	23.64	23.79	23.58	23.63							
10	256QAM	1	0	21.37	21.45	21.33	21.57	21.37	21.25							
10	256QAM	1	26	21.68	21.71	21.56	21.68	21.33	21.43	22.3	2.6					
10	256QAM	1	52	21.67	21.56	21.52	21.57	21.29	21.39							
10	256QAM	25	0	21.30	21.29	21.19	21.41	21.10	21.31							
10	256QAM	25	12	21.43	21.43	21.47	21.55	21.16	21.45							
10	256QAM	25	26	21.43	21.50	21.48	21.51	21.14	21.36	22.3	2.6					
10	256QAM	25	52	21.45	21.42	21.52	21.58	21.28	21.40							
10	256QAM	25	52	21.39	21.37	21.28	21.48	21.09	21.18							
10	256QAM	12	7	21.48	21.58	21.39	21.60	21.21	21.43	22.3	2.6					
10	256QAM	12	13	21.38	21.48	21.54	21.61	21.16	21.24							
10	256QAM	12	19	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	25	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	31	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	37	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	43	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	49	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	55	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	61	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	67	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	73	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	79	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	85	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	91	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	97	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	103	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	109	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	115	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	121	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	127	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	133	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	139	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	145	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	151	21.35	21.45	21.51	21.58	21.13	21.21							
10	256QAM	12	157	2												

Band 41_Ant 0															
BW [MHz]	Modulation	RB Size	RB Offset	Fd C Power Low Ch / Freq	Fd C Power High Ch / Freq	Power Low Mid Ch / Freq	Power High Mid Ch / Freq	Power Low High Ch / Freq	Power High High Ch / Freq	Turn-on time (dBm)	MPR (dB)				
Channel															
Frequency (MHz)												Turn-on time (dBm)	MPR (dB)		
20	QPSK	1	0	22.72	22.66	22.70	22.75	22.75	22.75	23.8	0				
20	QPSK	1	49	22.66	22.55	22.62	22.73	22.44	22.40						
20	QPSK	1	99	22.59	22.52	22.58	22.60	22.36	22.30						
20	QPSK	50	0	22.50	22.55	22.55	22.58	22.44	22.48						
20	QPSK	50	24	22.54	22.45	22.59	22.65	22.42	22.46						
20	QPSK	50	50	22.59	22.51	22.55	22.59	22.40	22.36						
20	QPSK	100	0	22.59	22.53	22.58	22.61	22.36	22.37						
20	16QAM	1	0	22.66	22.63	22.66	22.62	22.37	22.43						
20	16QAM	1	49	21.94	22.53	22.61	22.60	20.36	22.45						
20	16QAM	1	99	22.59	22.55	22.54	22.56	22.41	22.39						
20	16QAM	50	0	21.70	21.80	22.01	21.90	21.48	21.53						
20	16QAM	50	24	21.91	21.99	22.11	22.10	21.86	21.89						
20	16QAM	50	50	21.89	21.87	22.07	22.17	21.70	21.68						
20	16QAM	100	0	21.89	21.87	22.02	22.11	21.71	21.75						
20	64QAM	1	0	21.62	21.63	21.66	21.79	21.37	21.44						
20	64QAM	1	49	21.84	21.84	21.81	21.92	21.70	21.50						
20	64QAM	1	99	21.77	21.78	21.83	21.95	21.64	21.60						
20	64QAM	50	0	20.76	20.74	21.01	21.01	20.70	20.70						
20	64QAM	50	24	21.06	20.96	20.86	21.14	20.79	20.70						
20	64QAM	50	50	20.80	20.80	20.81	21.14	20.65	20.69						
20	64QAM	100	0	20.83	20.81	20.81	21.15	20.73	20.64						
20	256QAM	1	0	18.48	18.45	18.63	18.60	18.15	18.25						
20	256QAM	1	49	18.54	18.49	18.51	18.54	18.34	18.27						
20	256QAM	1	99	18.42	18.39	18.57	18.65	18.26	18.26						
20	256QAM	50	0	18.43	18.50	18.44	18.70	18.30	18.34						
20	256QAM	50	24	18.61	18.48	18.64	18.74	18.41	18.36						
20	256QAM	50	50	18.65	18.51	18.72	18.69	18.41	18.39						
20	256QAM	100	0	18.84	18.83	18.85	18.78	18.31	18.34						
Channel															
Frequency (MHz)												Turn-on time (dBm)	MPR (dB)		
15	QPSK	1	0	22.60	22.59	22.60	22.68	22.44	22.49						
15	QPSK	1	37	22.55	22.51	22.54	22.59	22.37	22.26						
15	QPSK	1	74	22.52	22.61	22.43	22.48	22.31	22.22						
15	QPSK	36	0	22.58	22.43	22.55	22.44	22.25	22.27						
15	QPSK	36	20	22.51	22.41	22.42	22.44	22.35	22.37						
15	QPSK	36	39	22.51	22.39	22.45	22.57	22.29	22.28						
15	QPSK	75	0	22.50	22.38	22.43	22.49	22.25	22.28						
15	16QAM	1	0	22.66	22.58	22.63	22.62	22.37	22.41						
15	16QAM	1	37	22.51	22.41	22.48	22.47	22.25	22.33						
15	16QAM	1	74	22.53	22.45	22.49	22.49	22.26	22.32						
15	16QAM	36	0	21.86	21.78	21.85	21.77	21.61	21.50						
15	16QAM	36	20	21.84	21.86	22.03	22.08	21.75	21.68						
15	16QAM	36	39	21.79	21.72	22.02	22.16	21.63	21.58						
15	16QAM	75	0	21.77	21.78	21.93	21.99	21.59	21.73						
15	64QAM	1	0	21.60	21.50	21.62	21.66	21.29	21.29						
15	64QAM	1	37	21.78	21.69	21.87	21.91	21.68	21.57						
15	64QAM	1	74	21.75	21.77	21.79	21.92	21.51	21.63						
15	64QAM	36	0	20.65	20.67	20.86	20.92	20.62	20.67						
15	64QAM	36	20	20.68	20.85	20.83	21.04	20.68	20.56						
15	64QAM	36	39	20.71	20.86	20.84	21.05	20.60	20.53						
15	64QAM	75	0	20.50	20.80	20.87	21.07	20.61	20.65						
15	256QAM	1	0	18.37	18.31	18.62	18.59	18.13	18.15						
15	256QAM	1	37	18.47	18.45	18.36	18.63	18.22	18.22						
15	256QAM	1	74	18.38	18.28	18.48	18.61	18.16	18.20						
15	256QAM	36	0	18.42	18.36	18.37	18.65	18.23	18.19						
15	256QAM	36	20	18.47	18.47	18.50	18.73	18.40	18.30						
15	256QAM	36	39	18.55	18.42	18.68	18.65	18.35	18.33						
15	256QAM	75	0	18.51	18.43	18.51	18.69	18.25	18.27						
Channel															
Frequency (MHz)												Turn-on time (dBm)	MPR (dB)		
10	QPSK	1	0	22.70	22.52	22.62	22.73	22.34	22.49						
10	QPSK	1	25	22.47	22.50	22.54	22.72	22.40	22.34						
10	QPSK	1	49	22.58	22.56	22.48	22.58	22.25	22.29						
10	QPSK	25	12	22.48	22.48	22.49	22.63	22.34	22.41						
10	QPSK	25	25	22.48	22.37	22.43	22.64	22.38	22.31						
10	QPSK	50	0	22.52	22.42	22.45	22.54	22.29	22.30						
10	QPSK	50	0	22.54	22.41	22.53	22.51	22.24	22.35						
10	16QAM	1	0	22.57	22.56	22.59	22.60	22.32	22.42						
10	16QAM	1	25	22.62	22.41	22.45	22.59	22.26	22.31						
10	16QAM	1	49	22.58	22.43	22.56	22.46	22.23	22.34						
10	16QAM	25	12	21.81	21.86	21.97	21.88	21.47	21.50						
10	16QAM	25	12	21.87	21.92	21.97	22.05	21.77	21.57						
10	16QAM	25	25	21.75	21.74	22.03	22.12	21.66	21.68						
10	16QAM	50	0	21.75	21.85	21.82	22.03	21.57	21.64						
10	64QAM	1	0	21.52	21.50	21.54	21.70	21.29	21.36						
10	64QAM	1	25	21.75	21.71	21.80	21.77	21.56	21.41						
10	64QAM	1	49	21.95	21.84	21.80	21.85	21.61	21.54						
10	64QAM	25	0	20.85	20.86	20.89	20.86	20.62	20.56						
10	64QAM	25	12	20.94	20.93	20.88	21.09	20.73	20.67						
10	64QAM	25	25	20.95	20.86	20.77	21.05	20.64	20.62						
10	64QAM	50	0	20.89	20.76	20.87	21.08	20.70	20.56						
10	256QAM	1	0	18.47	18.31	18.46	18.56	18.05	18.09						
10	256QAM	1	25	18.53	18.35	18.37	18.54	18.33	18.13						
10	256QAM	1	49	18.34	18.31	18.42	18.56	18.15	18.17						
10	256QAM	25	0	18.34	18.43	18.34	18.65	18.29	18.30						
10	256QAM	25	12	18.32	18.38	18.59	18.67	18.34	18.30						
10	256QAM	25	25	18.51	18.44	18.57	18.61	18.32	18.38						
10	256QAM	50	0	18.44	18.43	18.61	18.71	18.24	18.33						
Channel															
Frequency (MHz)												Turn-on time (dBm)	MPR (dB)		
5	QPSK	1	0	22.63	22.55	22.69	22.72	22.34	22.46						
5	QPSK	1	12	22.50	22.40	22.58	22.70	22.38	22.27						
5	QPSK	1	24	22.59	22.52	22.55	22.59	22.32	22.28						
5	QPSK	12	0	22.51	22.48	22.53	22.67	22.43	22.42						
5	QPSK	12	7	22.42	22.39	22.57	22.64	22.40	22.36						
5	QPSK	12	13	22.49	22.42	22.47	22.55	22.29	22.32						
5	QPSK	25	0	22.55	22.44	22.50	22.54	22.26	22.25						
5	16QAM	1	0	22.54	22.56	22.60	22.56	22.32	22.30						
5	16QAM	1	12	22.56	22.46	22.51	22.63	22.39	22.37						
5	16QAM	1	24	22.55	22.47	22.52	22.49	22.36	22.33						
5	16QAM	12	0	21.62	21.72	21.82	21.75	21.36	21.42						
5	16QAM	12	7	21.80	21.80	22.08	22.00	21.73	21.60						
5	16QAM	12	13	21.76	21.63	22.00	22.12	21.64	21.54						
5	64QAM	1	0	21.87	21.74	21.90	21.98	21.65	21.66						
5	64QAM	1	0	21.49	21.56	21.54	21.75	21.26	21.43						
5	64QAM	1	12	21.63	21.73	21.70	21.87	21.47	21.51						
5	64QAM	1	24	21.68	21.65	21.73	21.81	21.57	21.51						
5	64QAM	12	0	20.62	20.72	20.87	20.96	20.59	20.66						
5	64QAM	12	7	20.99	20.85	20.95	21.10	20.67	20.69						
5	64QAM	12	13	20.77	20.70	20.82	21.03	20.58	20.62						
5	64QAM	25	0	20.81	20.87	20.90	21.00	20.59	20.57						

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BW (MHz)	Modulation	RB Size (MHz)	RB Offset (MHz)	Power Low Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Turn-on time (dBm)	MPR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	3560	3609	3641	3690						
20	QPSK	1	0	20.89	20.95	20.98	20.99						
20	QPSK	1	49	20.85	20.80	20.58	20.49		21.3			0	
20	QPSK	1	99	20.80	20.91	20.64	20.38						
20	QPSK	50	0	20.88	20.89	20.85	20.48						
20	QPSK	50	24	20.83	20.88	20.63	20.47		21.3			0	
20	QPSK	50	50	20.78	20.82	20.56	20.47						
20	QPSK	100	0	20.78	20.87	20.67	20.49						
20	16QAM	1	0	20.80	20.92	20.59	20.42						
20	16QAM	1	49	20.77	20.86	20.57	20.39		21.3			0	
20	16QAM	1	99	20.70	20.87	20.63	20.49						
20	16QAM	50	0	20.82	20.89	20.53	20.44						
20	16QAM	50	24	20.84	20.81	20.56	20.45						
20	16QAM	50	50	20.78	20.87	20.57	20.45		21.3			0	
20	16QAM	100	0	20.80	20.88	20.58	20.38						
20	64QAM	1	0	20.76	20.82	20.66	20.44						
20	64QAM	1	49	20.73	20.83	20.55	20.41		21.3			0	
20	64QAM	1	99	20.74	20.83	20.53	20.45						
20	64QAM	50	0	20.78	20.83	20.26	19.92						
20	64QAM	50	24	20.79	20.83	20.19	19.88						
20	64QAM	50	50	20.80	20.36	20.23	19.89						
20	64QAM	100	0	20.26	20.36	20.17	19.88						
20	256QAM	1	0	18.33	18.47	18.28	17.90		18.8			2.5	
20	256QAM	1	49	18.22	18.38	18.10	17.80						
20	256QAM	1	99	18.22	18.14	18.02	17.74						
20	256QAM	50	0	18.37	18.51	18.29	17.89						
20	256QAM	50	24	18.31	18.40	18.22	18.10		18.8			2.5	
20	256QAM	50	50	18.34	18.32	18.15	17.82						
20	256QAM	100	0	18.36	18.42	18.31	17.94						
Channel													
Frequency (MHz)													
15	QPSK	1	0	3567.5	3608	3642	3692.5		Turn-on time (dBm)	MPR (dB)			
15	QPSK	1	0	20.83	20.92	20.62	20.45						
15	QPSK	1	37	20.78	20.71	20.53	20.40		21.3			0	
15	QPSK	1	74	20.68	20.79	20.52	20.33						
15	QPSK	36	0	20.86	20.81	20.63	20.35						
15	QPSK	36	20	20.75	20.82	20.58	20.41						
15	QPSK	36	39	20.74	20.76	20.44	20.37						
15	QPSK	75	0	20.74	20.75	20.54	20.42						
15	16QAM	1	0	20.71	20.87	20.47	20.33						
15	16QAM	1	37	20.64	20.76	20.51	20.35						
15	16QAM	1	74	20.63	20.76	20.61	20.35		21.3			0	
15	16QAM	36	0	20.76	20.74	20.44	20.41						
15	16QAM	36	20	20.83	20.76	20.51	20.43						
15	16QAM	36	39	20.71	20.85	20.51	20.34						
15	16QAM	75	0	20.73	20.82	20.47	20.37						
15	64QAM	1	0	20.64	20.69	20.54	20.41						
15	64QAM	1	37	20.74	20.84	20.49	20.35		21.3			0	
15	64QAM	1	74	20.63	20.82	20.45	20.41						
15	64QAM	36	0	20.18	20.24	20.24	19.78						
15	64QAM	36	20	20.25	20.33	20.17	19.89						
15	64QAM	36	39	20.27	20.21	20.21	19.85						
15	64QAM	75	0	20.16	20.31	20.04	19.78						
15	256QAM	1	0	18.25	18.46	18.13	17.87						
15	256QAM	1	37	18.18	18.37	17.95	17.78		18.8			2.5	
15	256QAM	1	74	18.07	18.03	17.84	17.60						
15	256QAM	36	0	18.28	18.47	18.24	17.87						
15	256QAM	36	20	18.28	18.28	18.12	17.97		18.8			2.5	
15	256QAM	36	39	18.16	18.18	18.07	17.81						
15	256QAM	75	0	18.29	18.40	18.24	17.79						
Channel													
Frequency (MHz)													
10	QPSK	1	0	3590	3617.5	3645	3695		Turn-on time (dBm)	MPR (dB)			
10	QPSK	1	0	20.83	20.83	20.57	20.40						
10	QPSK	1	25	20.83	20.78	20.54	20.48		21.3			0	
10	QPSK	1	49	20.70	20.87	20.63	20.32						
10	QPSK	25	0	20.77	20.79	20.57	20.43						
10	QPSK	25	12	20.68	20.81	20.54	20.38						
10	QPSK	25	25	20.75	20.75	20.51	20.32						
10	QPSK	50	0	20.85	20.81	20.57	20.32						
10	16QAM	1	0	20.85	20.81	20.57	20.32						
10	16QAM	1	25	20.87	20.83	20.51	20.33		21.3			0	
10	16QAM	1	49	20.74	20.76	20.61	20.46						
10	16QAM	25	0	20.77	20.80	20.52	20.39						
10	16QAM	25	12	20.79	20.77	20.46	20.37						
10	16QAM	50	0	20.86	20.84	20.54	20.25		21.3			0	
10	64QAM	1	0	20.70	20.70	20.52	20.38						
10	64QAM	1	25	20.77	20.88	20.50	20.40						
10	64QAM	1	49	20.81	20.74	20.46	20.32		21.3			0	
10	64QAM	25	0	20.27	20.32	20.22	19.87						
10	64QAM	25	12	20.28	20.40	20.05	19.98						
10	64QAM	25	25	20.28	20.28	20.19	19.85						
10	64QAM	50	0	20.11	20.24	20.13	19.86						
10	256QAM	1	0	18.33	18.34	18.27	17.85						
10	256QAM	1	25	18.21	18.32	18.06	17.72		18.8			2.5	
10	256QAM	1	49	18.15	18.00	17.89	17.71						
10	256QAM	25	0	18.28	18.44	18.15	17.80						
10	256QAM	25	12	18.18	18.28	18.07	17.84						
10	256QAM	25	25	18.13	18.23	18.00	17.71						
10	256QAM	50	0	18.23	18.32	18.22	17.91						
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.78	20.85	20.53	20.45						
5	QPSK	1	12	20.70	20.77	20.47	20.35		21.3			0	
5	QPSK	1	24	20.78	20.89	20.52	20.30						
5	QPSK	12	0	20.74	20.87	20.63	20.37						
5	QPSK	12	7	20.81	20.80	20.58	20.42		21.3			0	
5	QPSK	12	13	20.70	20.74	20.44	20.42						
5	QPSK	26	0	20.86	20.78	20.58	20.40						
5	16QAM	1	0	20.79	20.81	20.52	20.35						
5	16QAM	1	12	20.73	20.74	20.42	20.29		21.3			0	
5	16QAM	1	24	20.82	20.84	20.57	20.36						
5	16QAM	12	0	20.69	20.80	20.51	20.40						
5	16QAM	12	7	20.77	20.68	20.51	20.30						
5	16QAM	12	13	20.69	20.85	20.55	20.39		21.3			0	
5	64QAM	1	0	20.73	20.73	20.51	20.38						
5	64QAM	1	12	20.82	20.85	20.44	20.37		21.3			0	
5	64QAM	1	24	20.63	20.72	20.50	20.31						
5	64QAM	12	0	20.15	20.19	20.22	19.84						
5	64QAM	12	7	20.14	20.41	20.05	19.99						
5	64QAM	12	13	20.33	20.28	20.22	19.79						
5	64QAM	25	0	20.14	20.34	20.14	19.77						
5	256QAM	1	0	18.19	18.38	18.20	17.77						
5	256QAM	1	12	18.12	18.31	18.06	17.65		18.8			2.5	
5	256QAM	1	24	18.08	18.05	17.94	17.59						
5	256QAM	12	0	18.28	18.43	18.24	17.75						
5	256QAM	12	7	18.18	18.33	18.16	17.99						
5	256QAM	12	13	18.09	18.29	18.05	17.75		18.8			2.5	
5	256QAM	25	0	1									

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq 374000	Power Middle Ch. / Freq 376000	Power High Ch. / Freq 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pl2 BPSK	1	1	22.71	22.77	22.71	24.3	0.0	
40	Pl2 BPSK	1	108	22.74	22.85	22.76			
40	Pl2 BPSK	1	244	22.42	22.43	22.40			
40	Pl2 BPSK	108	0	22.39	22.44	22.39	23.8	0.5	
40	Pl2 BPSK	108	54	22.48	22.58	22.43	24.3	0.0	
40	Pl2 BPSK	108	108	22.32	22.45	22.31	23.8	0.5	
40	Pl2 BPSK	216	0	22.40	22.52	22.37	23.8	0.5	
40	QPSK	1	1	23.34	24.02	23.96			
40	QPSK	1	108	23.85	23.92	23.91			
40	QPSK	1	214	23.88	23.93	23.92	23.3	1.0	
40	QPSK	108	0	22.91	22.94	22.91			
40	QPSK	108	54	23.53	23.94	23.88			
40	QPSK	108	108	22.88	22.96	22.81	23.3	1.0	
40	QPSK	216	0	22.80	22.95	22.84	23.3	1.0	
40	QPSK	1	1	22.89	22.92	22.89			
40	QPSK	1	1	21.45	21.53	21.46			
40	256QAM	1	1	19.37	19.40	19.35	19.8	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)	
35	QPSK	1	1	23.91	23.99	23.87	24.3	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	(dBm)	(dB)	
30	QPSK	1	1	23.92	23.88	23.92	24.3	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	23.84	24.01	23.94	24.3	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	23.91	23.91	23.87	24.3	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	23.91	23.87	23.94	24.3	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	23.83	23.90	23.91	24.3	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	23.82	23.99	23.82	24.3	0.0	

Full&Default Power Mode									
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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dbm)	MPR (db)	
Channel				1870	1880	1890			
Frequency (MHz)				1870	1880	1890			
40	P2 BPSK	1	1	21.61	21.66	21.60	23.5	0.0	
40	P2 BPSK	1	108	21.66	21.71	21.66			
40	P2 BPSK	1	214	21.65	21.66	21.61			
40	P2 BPSK	108	0	21.58	21.63	21.59	23.0	0.5	
40	P2 BPSK	108	54	21.62	21.68	21.56	23.5	0.0	
40	P2 BPSK	108	108	21.59	21.62	21.59	23.0	0.5	
40	P2 BPSK	216	0	21.52	21.59	21.52	23.5	0.0	
40	QPSK	1	1	23.01	23.15	23.04			
40	QPSK	1	108	22.95	23.07	23.01			
40	QPSK	1	214	22.95	23.02	22.87	22.5	1.0	
40	QPSK	108	0	22.99	22.11	21.99			
40	QPSK	108	54	22.95	23.08	22.91			
40	QPSK	108	108	22.03	22.09	22.00	22.5	1.0	
40	QPSK	216	0	22.03	22.04	21.97	22.5	1.0	
40	QPSK	1	1	22.10	22.12	21.99			
40	64QAM	1	1	20.61	20.65	20.57			
40	256QAM	1	1	18.38	18.46	18.41	19.0	4.5	
Channel				373500	376000	378500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1867.5	1880	1892.5	(dbm)	(db)	
35	QPSK	1	1	22.97	23.00	22.97	23.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1895	(dbm)	(db)	
30	QPSK	1	1	22.88	23.02	22.89	23.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1897.5	(dbm)	(db)	
25	QPSK	1	1	22.95	23.05	22.89	23.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1860	1880	1900	(dbm)	(db)	
20	QPSK	1	1	22.89	23.08	22.91	23.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5	(dbm)	(db)	
15	QPSK	1	1	22.96	23.09	23.03	23.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1905	(dbm)	(db)	
10	QPSK	1	1	22.86	23.10	22.95	23.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5	(dbm)	(db)	
5	QPSK	1	1	22.99	23.01	22.94	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pl2 BPSK	1	1	23.20	23.25	23.22	25.0	0.0	
40	Pl2 BPSK	1	108	23.06	23.15	23.09			
40	Pl2 BPSK	1	214	23.16	23.28	23.24			
40	Pl2 BPSK	108	0	23.09	23.10	22.98	24.5	0.5	
40	Pl2 BPSK	108	54	23.07	23.22	23.09	25.0	0.0	
40	Pl2 BPSK	108	108	23.03	23.14	23.07	24.5	0.5	
40	Pl2 BPSK	216	0	23.14	23.22	23.20	25.0	0.0	
40	QPSK	1	1	23.97	24.01	23.98			
40	QPSK	1	108	23.85	23.93	23.87			
40	QPSK	1	214	23.88	23.96	23.91	24.0	1.0	
40	QPSK	108	0	23.47	23.55	23.44			
40	QPSK	108	54	23.95	23.93	23.90			
40	QPSK	108	108	23.57	23.62	23.50	24.0	1.0	
40	QPSK	216	0	23.71	23.73	23.68	22.0	2.5	
40	16QAM	1	1	23.62	23.63	23.57			
40	16QAM	1	1	22.06	22.13	22.03			
40	256QAM	1	1	19.89	20.01	19.97	20.5	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)		
35	QPSK	1	1	23.91	23.98	23.93	25.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)		
30	QPSK	1	1	23.92	23.89	23.93	25.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)		
25	QPSK	1	1	23.96	23.86	23.95	25.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)		
20	QPSK	1	1	23.83	23.89	23.91	25.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	23.94	23.96	23.97	25.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)		
10	QPSK	1	1	23.87	23.88	23.84	25.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1902.5	(dBm)		
5	QPSK	1	1	23.91	23.89	23.97	25.0	0.0	

n2_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq 374000	Power Middle Ch. / Freq 376000	Power High Ch. / Freq 378000	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	22.42	22.57	22.52	25.0	0.0
40	P12 BPSK	1	108	22.32	22.47	22.42		
40	P12 BPSK	1	214	22.47	22.60	22.57		
40	P12 BPSK	108	0	22.35	22.44	22.42	24.5	0.5
40	P12 BPSK	108	54	22.47	22.51	22.38	25.0	0.0
40	P12 BPSK	108	108	22.40	22.42	22.32	24.5	0.5
40	P12 BPSK	216	0	22.50	22.53	22.49	25.0	0.0
40	QPSK	1	1	23.84	23.96	23.89		
40	QPSK	1	108	23.84	23.96	23.89		
40	QPSK	1	214	23.93	24.05	23.94	24.0	1.0
40	QPSK	108	0	22.83	22.96	22.84		
40	QPSK	108	54	23.92	24.05	23.95		
40	QPSK	108	108	22.92	22.96	22.88	24.0	1.0
40	QPSK	216	0	23.01	23.03	22.93	24.0	1.0
40	16QAM	1	1	22.92	22.97	22.94		
40	16QAM	1	1	21.39	21.45	21.43		
40	256QAM	1	1	19.28	19.34	19.26	20.5	4.5
Channel				375500	376000	376500	Turn-up limit (dBm)	MPR (dB)
35	QPSK	1	1	19.25	19.30	19.25	25.0	0.0
Channel				375000	376000	376500	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.65	18.80	18.95	25.0	0.0
Channel				375500	376000	376500	Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.95	23.99	23.95	25.0	0.0
Channel				372000	376000	380000	Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.95	23.94	23.89	25.0	0.0
Channel				371500	376000	380500	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.07	19.09	19.05	25.0	0.0
Channel				371000	376000	381000	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.90	24.03	23.95	25.0	0.0
Channel				370500	376000	381500	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.02	19.03	19.04	25.0	0.0

n5_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167000	167500		
Frequency (MHz)				834	836.5	839		
20	P12 BPSK	1	1	24.02	24.09	23.96	25.0	0.0
20	P12 BPSK	1	53	24.01	24.06	23.91		
20	P12 BPSK	1	104	24.01	24.05	23.91		
20	P12 BPSK	50	0	23.81	23.89	23.85	24.5	0.5
20	P12 BPSK	50	28	23.97	24.09	23.97	25.0	0.0
20	P12 BPSK	50	56	23.82	23.84	23.75	24.5	0.5
20	P12 BPSK	100	0	23.76	23.84	23.75		
20	QPSK	1	1	24.01	24.11	24.05		
20	QPSK	1	53	23.90	23.97	23.85	25.0	0.0
20	QPSK	1	104	23.91	24.01	23.89	24.0	1.0
20	QPSK	50	0	23.76	23.89	23.86		
20	QPSK	50	28	23.92	24.04	23.95		
20	QPSK	50	56	23.79	23.85	23.84	24.0	1.0
20	QPSK	100	0	23.72	23.75	23.68	24.0	1.0
20	16QAM	1	1	23.61	23.72	23.71		
20	64QAM	1	1	22.31	22.32	22.29		
20	256QAM	1	1	20.22	20.28	20.21	20.5	4.5
Channel				166300	167000	168000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.12	23.15	23.15	25.0	0.0
Channel				166800	167000	168800	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.95	24.05	23.89	25.0	0.0
Channel				165300	167000	169300	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.92	24.10	23.98	25.0	0.0

n5_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166500	Power Middle Ch. / Freq. 167000	Power High Ch. / Freq. 167500	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839		
Frequency (MHz)								
20	P12 BPSK	1	1	23.40	23.53	23.41	24.5	0.0
20	P12 BPSK	1	53	23.42	23.52	23.43		
20	P12 BPSK	1	104	23.41	23.51	23.44		
20	P12 BPSK	50	0	23.03	23.08	22.95	24.0	0.5
20	P12 BPSK	50	28	23.54	23.55	23.41	24.5	0.0
20	P12 BPSK	50	56	22.89	23.03	23.01	24.0	0.5
20	P12 BPSK	100	0	22.95	23.04	22.89		
20	QPSK	1	1	23.77	23.87	23.84		
20	QPSK	1	53	23.73	23.77	23.76	24.5	0.0
20	QPSK	1	104	23.59	23.65	23.58	23.5	1.0
20	QPSK	50	0	23.03	23.05	22.93		
20	QPSK	50	28	23.69	23.73	23.63		
20	QPSK	50	56	22.87	23.01	22.93	23.5	1.0
20	QPSK	100	0	22.98	23.02	22.99	22.9	1.0
20	16QAM	1	1	22.90	22.96	22.89		
20	256QAM	1	1	21.35	21.44	21.32		
20	800M	1	1	19.34	19.46	19.37	20.0	4.5
Channel				166300	167000	168000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	831.5	836.5	841.5	25.0	0.0
Channel				166800	167000	168800	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	839	836.5	844	24.5	0.0
Channel				165300	167000	169300	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.76	23.82	23.78	24.5	0.0

n7_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000			
Frequency (MHz)				2505	2535	2545			
50	PI2 BPSK	1	1	23.77	23.80	23.75	24.2	0.0	
50	PI2 BPSK	1	135	23.65	23.78	23.77			
50	PI2 BPSK	1	268	23.75	23.85	23.80			
50	PI2 BPSK	135	0	22.13	22.19	22.16	23.7	0.5	
50	PI2 BPSK	135	68	23.75	23.81	23.80	24.2	0.0	
50	PI2 BPSK	135	135	22.22	22.35	22.28	23.7	0.5	
50	PI2 BPSK	270	0	22.30	22.34	22.28	24.2	0.0	
50	QPSK	1	1	23.81	23.87	23.81			
50	QPSK	1	135	23.83	23.75	23.69			
50	QPSK	1	268	23.78	23.81	23.79	23.2	1.0	
50	QPSK	135	0	22.51	22.66	22.57			
50	QPSK	135	68	23.75	23.90	23.83			
50	QPSK	135	135	22.87	22.82	22.74	23.2	1.0	
50	QPSK	270	0	22.89	22.78	22.83	23.2	1.0	
50	16QAM	1	1	22.75	22.76	22.75	23.2	1.0	
50	64QAM	1	1	21.19	21.20	21.15	21.7	2.5	
50	256QAM	1	1	18.90	18.02	18.97	18.7	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	23.70	23.90	23.96	24.2	0.0	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5 <th>2535</th> <th>2552.5<th colspan="3"></th></th>	2535	2552.5 <th colspan="3"></th>			
35	QPSK	1	1	23.70	23.75	23.79	24.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555 <th colspan="3"></th>			
30	QPSK	1	1	23.70	23.72	23.74	24.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5 <th colspan="3"></th>			
25	QPSK	1	1	23.69	23.85	23.77	24.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560 <th colspan="3"></th>			
20	QPSK	1	1	23.74	23.84	23.76	24.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5 <th>2535</th> <th>2562.5<th colspan="3"></th></th>	2535	2562.5 <th colspan="3"></th>			
15	QPSK	1	1	23.77	23.81	23.79	24.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565 <th colspan="3"></th>			
10	QPSK	1	1	23.69	23.85	23.68	24.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5 <th colspan="3"></th>			
5	QPSK	1	1	23.76	23.74	23.74	24.2	0.0	

n7_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	509000			
Frequency (MHz)				2505	2535	2545			
50	PI2 BPSK	1	1	22.21	22.26	22.24	23.4	0.0	
50	PI2 BPSK	1	135	22.26	22.29	22.24			
50	PI2 BPSK	1	268	22.12	22.21	22.19			
50	PI2 BPSK	135	0	21.18	21.19	21.07	22.9	0.5	
50	PI2 BPSK	135	68	22.12	22.18	22.13	23.4	0.0	
50	PI2 BPSK	135	135	21.34	21.42	21.29	22.9	0.5	
50	PI2 BPSK	270	0	21.31	21.39	21.31	23.4	0.0	
50	QPSK	1	1	22.32	22.35	22.33			
50	QPSK	1	135	22.30	22.34	22.28			
50	QPSK	1	268	22.23	22.29	22.18	22.4	1.0	
50	QPSK	135	0	21.76	21.82	21.81			
50	QPSK	135	68	22.24	22.31	22.15			
50	QPSK	135	135	21.82	21.93	21.80	22.4	1.0	
50	QPSK	270	0	21.75	21.86	21.79	22.4	1.0	
50	16QAM	1	1	21.51	21.63	21.51	22.4	1.0	
50	64QAM	1	1	20.11	20.14	20.06	20.9	2.5	
50	256QAM	1	1	17.91	17.96	17.83	18.9	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.20	22.24	22.29	23.4	0.0	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5 <th colspan="3"></th>			
35	QPSK	1	1	22.20	22.23	22.26	23.4	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.18	22.24	22.20	23.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5 <th>2535</th> <th>2557.5</th> <th colspan="3"></th>	2535	2557.5			
25	QPSK	1	1	22.23	22.29	22.18	23.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.21	22.29	22.27	23.4	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.22	22.27	22.16	23.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.26	22.29	22.22	23.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.28	22.27	22.15	23.4	0.0	

n7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	509000			
Frequency (MHz)				2505	2535	2545			
50	PI2 BPSK	1	1	23.63	23.73	23.65	24.7	0.0	
50	PI2 BPSK	1	135	23.64	23.69	23.64			
50	PI2 BPSK	1	268	23.70	23.82	23.68			
50	PI2 BPSK	135	0	22.52	22.65	22.63	24.2	0.5	
50	PI2 BPSK	135	68	23.59	23.70	23.62	24.7	0.0	
50	PI2 BPSK	135	135	22.77	22.85	22.75	24.2	0.5	
50	PI2 BPSK	270	0	22.63	22.73	22.65	24.7	0.0	
50	QPSK	1	1	23.65	23.68	23.63			
50	QPSK	1	135	23.62	23.66	23.59			
50	QPSK	1	268	23.81	23.86	23.74	23.7	1.0	
50	QPSK	135	0	23.06	23.09	23.00			
50	QPSK	135	68	23.65	23.78	23.65			
50	QPSK	135	135	23.17	23.24	23.18	23.7	1.0	
50	QPSK	270	0	23.09	23.20	23.14	23.7	1.0	
50	8QAM	1	1	23.23	23.49	23.18	23.7	1.0	
50	8QAM	1	1	21.60	21.72	21.60	22.2	2.5	
50	256QAM	1	1	18.50	18.54	18.49	20.2	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	23.75	23.90	23.71	24.7	0.0	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	23.75	23.76	23.74	24.7	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.70	23.87	23.68	24.7	0.0	
Channel				502500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.74	23.87	23.72	24.7	0.0	
Channel				502000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.70	23.85	23.76	24.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.74	23.76	23.74	24.7	0.0	
Channel				501000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.77	23.81	23.73	24.7	0.0	
Channel				500500	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.76	23.85	23.69	24.7	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	510000	24.7	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	23.19	23.24	23.22	24.7	0.0	
50	PI2 BPSK	1	135	23.11	23.19	23.08			
50	PI2 BPSK	1	248	23.17	23.31	23.30	24.2	0.5	
50	PI2 BPSK	135	0	21.60	21.66	21.54			
50	PI2 BPSK	135	68	23.23	23.29	23.16	24.2	0.5	
50	PI2 BPSK	135	135	21.70	21.75	21.63			
50	PI2 BPSK	270	0	21.36	21.71	21.65	24.7	0.0	
50	QPSK	1	1	23.38	23.41	23.38			
50	QPSK	1	135	23.18	23.23	23.17	24.7	0.0	
50	QPSK	1	258	23.14	23.21	23.06			
50	QPSK	135	0	22.10	22.13	22.04	23.7	1.0	
50	QPSK	135	68	23.17	23.24	23.07			
50	QPSK	135	135	22.11	22.21	22.17	23.7	1.0	
50	QPSK	270	0	22.12	22.23	22.10			
50	8QAM	1	1	22.15	22.22	22.20	23.7	1.0	
50	8QAM	1	1	20.80	20.81	20.73			
50	256QAM	1	1	18.46	18.54	18.52	20.2	4.5	
Channel				504000	507000	510000			
Frequency (MHz)				2525	2535	2550	24.7	0.0	
40	QPSK	1	1	23.30	23.40	23.29			
Channel				503000	507000	510500	24.7	0.0	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	23.17	23.31	23.36	24.7	0.0	
Channel				502000	507000	511000			
Frequency (MHz)				2515	2535	2555	24.7	0.0	
30	QPSK	1	1	23.24	23.33	23.28			
Channel				502500	507000	511500	24.7	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.34	23.38	23.36	24.7	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	24.7	0.0	
20	QPSK	1	1	23.29	23.29	23.35			
Channel				501500	507000	512500	24.7	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.35	23.34	23.28	24.7	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	24.7	0.0	
10	QPSK	1	1	23.33	23.36	23.25			
Channel				500500	507000	513500	24.7	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.26	23.30	23.30	24.7	0.0	
Channel				500000	507000	514000			

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	23.8	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.47	23.51	23.50	23.8	0.0	
15	PI2 BPSK	1	40	23.46	23.48	23.42			
15	PI2 BPSK	1	77	23.43	23.45	23.41	23.3	0.5	
15	PI2 BPSK	36	0	22.96	23.03	22.99			
15	PI2 BPSK	36	22	23.45	23.53	23.47	23.8	0.0	
15	PI2 BPSK	36	43	22.87	22.97	22.87			
15	PI2 BPSK	75	0	22.84	22.96	22.83	23.3	0.5	
15	QPSK	1	1	23.44	23.56	23.45			
15	QPSK	1	40	23.39	23.43	23.28	23.8	0.0	
15	QPSK	1	77	23.30	23.40	23.36			
15	QPSK	36	0	22.50	22.56	22.51	22.8	1.0	
15	QPSK	36	22	23.41	23.45	23.33			
15	QPSK	36	43	22.44	22.48	22.41	22.8	1.0	
15	QPSK	75	0	22.38	22.45	22.34			
15	8QAM	1	1	22.40	22.54	22.48	22.8	1.0	
15	8QAM	1	1	20.88	21.02	20.95			
15	256QAM	1	1	18.99	19.04	19.03	19.3	4.5	
Channel				140800	141500	142200			
Frequency (MHz)				704	707.5	711	23.8	0.0	
10	QPSK	1	1	23.36	23.50	23.42			
Channel				140300	141500	142700	23.8	0.0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.42	23.42	23.40	23.8	0.0	
Channel				140000	141500	143000			

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	23.8	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.73	22.81	22.68	23.3	0.0	
15	PI2 BPSK	1	40	22.72	22.78	22.75			
15	PI2 BPSK	1	77	22.72	22.82	22.73	22.8	0.5	
15	PI2 BPSK	36	0	22.20	22.31	22.28			
15	PI2 BPSK	36	22	22.72	22.85	22.78	23.3	0.0	
15	PI2 BPSK	36	43	22.17	22.29	22.21			
15	PI2 BPSK	75	0	22.23	22.32	22.31	22.8	0.5	
15	QPSK	1	1	22.77	22.81	22.85			
15	QPSK	1	40	22.59	22.72	22.64	23.3	0.0	
15	QPSK	1	77	22.67	22.81	22.67			
15	QPSK	36	0	21.76	21.84	21.68	22.3	1.0	
15	QPSK	36	22	22.72	22.73	22.68			
15	QPSK	36	43	21.77	21.78	21.77	22.3	1.0	
15	QPSK	75	0	21.74	21.82	21.81			
15	8QAM	1	1	21.72	21.77	21.67	22.3	1.0	
15	8QAM	1	1	20.23	20.25	20.12			
15	256QAM	1	1	18.24	18.31	18.18	18.8	4.5	
Channel				140800	141500	142200			
Frequency (MHz)				704	707.5	711	23.3	0.0	
10	QPSK	1	1	22.62	22.83	22.81			
Channel				140300	141500	142700	23.3	0.0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.65	22.80	22.82	23.3	0.0	
Channel				140000	141500	143000			

n13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				156400			25.0	0.0	
Frequency (MHz)				782					
10	PI2 BPSK	1	1	23.86			25.0	0.0	
10	PI2 BPSK	1	26	23.94					
10	PI2 BPSK	1	50	23.90			24.5	0.5	
10	PI2 BPSK	25	0	23.94			25.0	0.0	
10	PI2 BPSK	25	14	23.91			24.5	0.5	
10	PI2 BPSK	25	27	23.97			25.0	0.5	
10	PI2 BPSK	50	0	23.96			25.0	0.0	
10	QPSK	1	1	24.01					
10	QPSK	1	26	23.92			24.0	1.0	
10	QPSK	1	50	23.88					
10	QPSK	25	0	23.85			25.0	0.0	
10	QPSK	25	14	23.93			24.0	1.0	
10	QPSK	25	27	23.87			24.0	1.0	
10	QPSK	50	0	23.87			24.0	1.0	
10	16QAM	1	1	22.07			22.5	2.5	
10	64QAM	1	1	22.06					
10	256QAM	1	1	20.01			20.5	4.5	
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	1	23.92	23.95	23.87	23.0	1.0	

n13_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				156400			24.5	0.0	
Frequency (MHz)				782					
10	PI2 BPSK	1	1	23.75			24.0	0.5	
10	PI2 BPSK	1	26	23.72					
10	PI2 BPSK	1	50	23.73			24.5	0.5	
10	PI2 BPSK	25	0	23.42			24.0	0.5	
10	PI2 BPSK	25	14	23.78			24.5	0.5	
10	PI2 BPSK	25	27	23.46			24.0	0.5	
10	PI2 BPSK	50	0	23.51			24.5	0.0	
10	QPSK	1	1	23.83					
10	QPSK	1	26	23.81			23.5	1.0	
10	QPSK	1	50	23.76					
10	QPSK	25	0	22.93			24.5	0.0	
10	QPSK	25	14	23.69			23.5	1.0	
10	QPSK	25	27	22.98			22.0	2.5	
10	QPSK	50	0	22.99			20.0	4.5	
10	16QAM	1	1	22.83			22.5	1.0	
10	64QAM	1	1	21.43			22.0	2.5	
10	256QAM	1	1	19.35			20.0	4.5	
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	1	23.77	23.68	23.75	24.5	0.0	

n25_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376500			23.8	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	21.82	21.90	21.84	23.8	0.0	
40	PI2 BPSK	1	108	21.78	21.86	21.72			
40	PI2 BPSK	1	214	21.90	21.95	21.90	23.3	0.5	
40	PI2 BPSK	108	0	21.75	21.85	21.83	23.8	0.0	
40	PI2 BPSK	108	54	21.89	22.01	21.91	23.8	0.5	
40	PI2 BPSK	108	108	21.81	21.86	21.80	23.3	0.5	
40	PI2 BPSK	216	0	21.80	21.92	21.92	23.8	0.0	
40	QPSK	1	1	23.35	23.43	23.41			
40	QPSK	1	108	23.28	23.35	23.24	22.8	1.0	
40	QPSK	1	214	23.38	23.40	23.34			
40	QPSK	108	0	22.30	22.43	22.36	22.8	1.0	
40	QPSK	108	54	22.25	22.38	22.35	22.8	0.0	
40	QPSK	108	108	22.32	22.45	22.32	22.8	1.0	
40	QPSK	216	0	22.28	22.39	22.38	22.8	1.0	
40	8QAM	1	1	22.53	22.57	22.47	22.8	1.0	
40	8QAM	1	1	20.86	20.92	20.91	21.3	2.5	
40	256QAM	1	1	18.79	18.91	18.83	19.3	4.5	
Channel				375500	376500	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	23.34	23.29	23.33	23.8	0.0	
Channel				376000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.27	22.31	22.33	23.8	0.0	
Channel				372500	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.34	23.37	23.40	23.8	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	23.34	23.40	23.38	23.8	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	23.37	23.37	23.29	23.8	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	23.38	23.41	23.32	23.8	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	23.28	23.31	23.40	23.8	0.0	

n25_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	20.90	21.02	20.87			
40	PI2 BPSK	1	108	20.97	21.03	20.95	23.0	0.0	
40	PI2 BPSK	1	214	20.95	21.04	20.94			
40	PI2 BPSK	108	0	20.96	21.05	20.97	22.5	0.5	
40	PI2 BPSK	108	54	21.06	21.07	20.98	23.0	0.0	
40	PI2 BPSK	108	108	21.06	21.13	21.03			
40	PI2 BPSK	216	0	20.95	21.01	20.99	22.5	0.5	
40	QPSK	1	1	22.51	22.68	22.54			
40	QPSK	1	108	22.57	22.48	22.53	23.0	0.0	
40	QPSK	1	214	22.48	22.59	22.51			
40	QPSK	108	0	21.90	21.83	21.97	22.0	1.0	
40	QPSK	108	54	22.75	22.51	22.45	23.0	0.0	
40	QPSK	108	108	21.41	21.45	21.40	22.0	1.0	
40	QPSK	216	0	21.39	21.47	21.42			
40	8QAM	1	1	21.46	21.59	21.58	22.0	1.0	
40	8QAM	1	1	20.97	20.11	19.99	20.5	2.5	
40	256QAM	1	1	17.91	17.95	17.91	18.5	4.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	22.46	22.54	22.55	23.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.50	22.54	22.57	23.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	22.45	22.61	22.54	23.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.40	22.62	22.60	23.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	22.47	22.55	22.51	23.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	22.41	22.53	22.54	23.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	22.38	22.62	22.54	23.0	0.0	

n25_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.01	23.08			
40	PI2 BPSK	1	108	22.85	22.86	22.84	25.0	0.0	
40	PI2 BPSK	1	214	22.72	22.86	22.77			
40	PI2 BPSK	108	0	22.69	22.81	22.79	24.5	0.5	
40	PI2 BPSK	108	54	22.77	22.86	22.77	25.0	0.0	
40	PI2 BPSK	108	108	22.70	22.82	22.75			
40	PI2 BPSK	216	0	22.80	22.93	22.91	24.5	0.5	
40	QPSK	1	1	24.01	24.05	24.01			
40	QPSK	1	108	23.73	23.83	23.69	25.0	0.0	
40	QPSK	1	214	23.79	23.93	23.82			
40	QPSK	108	0	23.22	23.32	23.22	24.0	1.0	
40	QPSK	108	54	23.91	23.94	23.78	25.0	0.0	
40	QPSK	108	108	23.08	23.23	23.14	24.0	1.0	
40	QPSK	216	0	23.28	23.31	23.22			
40	8QAM	1	1	23.38	23.44	23.34	24.0	1.0	
40	8QAM	1	1	21.85	21.95	21.92	22.5	2.5	
40	256QAM	1	1	19.71	19.81	19.79	20.5	4.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	23.88	23.94	23.97	25.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1905			
30	QPSK	1	1	23.59	23.98	23.90	25.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.97	24.02	23.99	25.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	23.86	23.90	23.88	25.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	23.87	24.02	23.99	25.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	23.88	23.98	23.93	25.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	24.00	23.94	23.99	25.0	0.0	

n25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	22.24	22.34	22.28			
40	PI2 BPSK	1	108	22.13	22.20	22.16	25.0	0.0	
40	PI2 BPSK	1	214	22.20	22.33	22.24			
40	PI2 BPSK	108	0	22.08	22.15	22.14	24.5	0.5	
40	PI2 BPSK	108	54	22.19	22.26	22.20	25.0	0.0	
40	PI2 BPSK	108	108	22.02	22.17	22.10	24.0	0.5	
40	PI2 BPSK	216	0	22.08	22.20	22.16	24.5	0.5	
40	QPSK	1	1	23.94	23.85	23.98			
40	QPSK	1	108	23.55	23.69	23.62	25.0	0.0	
40	QPSK	1	214	23.68	23.83	23.82			
40	QPSK	108	0	22.50	22.65	22.54	24.0	1.0	
40	QPSK	108	54	23.91	23.76	23.71	25.0	0.0	
40	QPSK	108	108	22.63	22.74	22.67	24.0	1.0	
40	8QAM	1	1	22.77	22.81	22.74	24.0	1.0	
40	8QAM	1	1	21.17	21.23	21.14	22.5	2.5	
40	256QAM	1	1	19.06	19.15	19.12	20.5	4.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1877.5	1882.5	1887.5			
35	QPSK	1	1	23.73	23.89	23.79	25.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1905			
30	QPSK	1	1	23.70	23.78	23.85	25.0	0.0	
Channel				372500	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.72	23.88	23.78	25.0	0.0	
Channel				372000	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	23.72	23.81	23.82	25.0	0.0	
Channel				371500	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	23.69	23.89	23.76	25.0	0.0	
Channel				371000	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1854.5	1882.5	1910			
10	QPSK	1	1	23.83	23.78	23.86	25.0	0.0	
Channel				370500	376500	383000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	23.83	23.84	23.78	25.0	0.0	

n26(FCC)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	Pl2 BPSK	1	1	24.05	24.03	24.03	25.0	0.0	
20	Pl2 BPSK	1	53	24.00	24.10	24.02			
20	Pl2 BPSK	1	104	23.88	23.95	23.84			
20	Pl2 BPSK	50	0	24.04	24.09	24.04	24.5	0.5	
20	Pl2 BPSK	50	28	24.08	24.04	24.03	25.0	0.0	
20	Pl2 BPSK	50	56	24.03	24.04	23.96	24.5	0.5	
20	Pl2 BPSK	100	0	24.10	24.02	23.96	24.5	0.5	
20	QPSK	1	1	25.07	24.12	23.00			
20	QPSK	1	53	24.01	24.02	23.99			
20	QPSK	1	104	23.91	23.96	23.83	24.0	1.0	
20	QPSK	50	0	23.96	23.80	23.51			
20	QPSK	50	28	24.06	24.09	23.97			
20	QPSK	50	56	23.51	23.54	23.43	24.0	1.0	
20	QPSK	100	0	23.48	23.62	23.59	24.0	1.0	
20	16QAM	1	1	23.52	23.60	23.52	24.0	1.0	
20	64QAM	1	1	22.08	22.09	22.07	22.5	2.5	
20	256QAM	1	1	20.03	20.12	20.03	20.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.94	24.05	23.98	25.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	24.00	24.05	23.97	25.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.92	23.97	23.96	25.0	0.0	

n26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	Pl2 BPSK	1	1	23.82	23.72	23.69	24.5	0.0	
20	Pl2 BPSK	1	53	23.59	23.73	23.68			
20	Pl2 BPSK	1	104	23.55	23.57	23.44			
20	Pl2 BPSK	50	0	23.15	23.29	23.20	24.0	0.5	
20	Pl2 BPSK	50	28	23.58	23.71	23.61	24.5	0.0	
20	Pl2 BPSK	50	56	23.10	23.18	23.03	24.0	0.5	
20	Pl2 BPSK	100	0	23.16	23.29	23.22	24.5	0.0	
20	QPSK	1	1	23.75	23.83	23.75			
20	QPSK	1	53	23.84	23.68	23.62			
20	QPSK	1	104	23.42	23.56	23.51	23.5	1.0	
20	QPSK	50	0	22.87	22.78	22.69			
20	QPSK	50	28	23.54	23.65	23.62			
20	QPSK	50	56	22.64	22.68	22.55	23.5	1.0	
20	QPSK	100	0	22.71	22.77	22.72	23.5	1.0	
20	16QAM	1	1	22.72	22.77	22.68	23.5	1.0	
20	64QAM	1	1	21.10	21.22	21.13	22.0	2.5	
20	256QAM	1	1	19.19	19.25	19.14	20.0	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.89	23.78	23.78	24.5	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.87	23.69	23.76	24.5	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.83	23.71	23.69	24.5	0.0	

n30_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				461500	462000	462500			
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.41			24.7	0.0	
10	Pl2 BPSK	1	26	23.43					
10	Pl2 BPSK	1	50	23.16					
10	Pl2 BPSK	25	0	23.29			24.2	0.5	
10	Pl2 BPSK	25	14	23.34			24.7	0.0	
10	Pl2 BPSK	25	27	23.45			24.2	0.5	
10	Pl2 BPSK	50	0	23.43					
10	QPSK	1	1	23.91					
10	QPSK	1	26	23.88			24.7	0.0	
10	QPSK	1	50	23.24			23.7	1.0	
10	QPSK	25	0	22.52					
10	QPSK	25	14	23.75					
10	QPSK	25	27	22.42			23.7	1.0	
10	QPSK	50	0	22.39			23.7	1.0	
10	16QAM	1	1	22.80			23.7	1.0	
10	64QAM	1	1	21.22			22.2	2.5	
10	256QAM	1	1	19.33			20.2	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	23.84	23.69	23.63	24.7	0.0	

n30_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MFR (dB)	
Channel				461800	462000	462200	Tune-up limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
10	Pl2 BPSK	1	1	22.46		23.9	0.0	
10	Pl2 BPSK	1	26	22.43				
10	Pl2 BPSK	1	50	22.30		23.4	0.5	
10	Pl2 BPSK	25	9	22.38				
10	Pl2 BPSK	25	14	22.33		23.9	0.0	
10	Pl2 BPSK	25	27	22.45				
10	Pl2 BPSK	50	9	22.39		23.4	0.5	
10	QPSK	1	1	22.97				
10	QPSK	1	26	22.92		23.9	0.0	
10	QPSK	1	50	22.43				
10	QPSK	25	9	21.34		22.9	1.0	
10	QPSK	25	14	22.73				
10	QPSK	25	27	21.46		22.9	1.0	
10	QPSK	50	9	21.37				
10	16QAM	1	1	22.02		22.9	1.0	
10	16QAM	1	1	20.43				
10	256QAM	1	1	18.40		18.4	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.96	22.83	22.98	23.9	0.0

n66_Ant 6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				345000	345000	350000				
Frequency (MHz)				1732.5	1745	1757.5				
45	PI2 BPSK	1	1	23.31	23.32	23.25				
45	PI2 BPSK	1	122	23.09	23.21	23.14	25.0	0.0		
45	PI2 BPSK	1	243	21.36	22.08	21.95				
45	PI2 BPSK	120	0	22.08	22.19	22.08	24.5	0.5		
45	PI2 BPSK	120	60	23.02	23.11	23.09	25.0	0.0		
45	PI2 BPSK	120	122	22.09	22.16	22.05				
45	PI2 BPSK	240	0	22.16	22.26	22.20	24.5	0.5		
45	QPSK	1	1	23.35	23.05	23.35				
45	QPSK	1	122	23.35	23.36	23.90	25.0	0.0		
45	QPSK	1	243	23.45	23.60	23.46				
45	QPSK	120	0	23.35	23.66	23.51	24.0	1.0		
45	QPSK	120	60	23.35	23.96	23.95	25.0	0.0		
45	QPSK	120	122	23.56	23.71	23.56	24.0	1.0		
45	QPSK	240	0	23.65	23.66	23.65	24.0	1.0		
45	8QAM	1	1	23.60	23.66	23.57	24.0	1.0		
45	8QAM	1	1	22.06	22.14	22.06	22.5	2.5		
45	256QAM	1	1	20.00	20.02	19.98	20.5	4.5		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1732.5	1745	1757.5				
40	QPSK	1	1	23.35	23.03	23.30	25.0	0.0		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	23.17	23.34	23.34	25.0	0.0		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	23.96	24.04	23.96	25.0	0.0		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	23.93	23.99	23.97	25.0	0.0		
Channel				344000	345000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	23.36	23.52	23.53	25.0	0.0		
Channel				343000	345000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	23.88	24.01	23.91	25.0	0.0		
Channel				343000	345000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	23.85	24.04	23.87	25.0	0.0		
Channel				342500	345000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1772.5				
5	QPSK	1	1	23.87	23.94	23.94	25.0	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				345000	345000	350000				
Frequency (MHz)				1732.5	1745	1757.5				
45	PI2 BPSK	1	1	22.42	22.54	22.45				
45	PI2 BPSK	1	122	22.31	22.35	22.37	24.3	0.0		
45	PI2 BPSK	1	243	21.26	21.36	21.21				
45	PI2 BPSK	120	0	21.23	21.34	21.24	23.8	0.5		
45	PI2 BPSK	120	60	22.36	22.39	22.37	24.3	0.0		
45	PI2 BPSK	120	122	21.25	21.38	21.24				
45	PI2 BPSK	240	0	21.33	21.41	21.34	23.8	0.5		
45	QPSK	1	1	23.22	23.33	23.21				
45	QPSK	1	122	23.12	23.14	23.02	24.3	0.0		
45	QPSK	1	243	22.78	22.84	22.73				
45	QPSK	120	0	22.81	22.95	22.87	23.3	1.0		
45	QPSK	120	60	22.95	23.09	22.91	24.3	0.0		
45	QPSK	120	122	22.73	22.87	22.75	23.3	1.0		
45	QPSK	240	0	22.79	22.91	22.88	23.3	1.0		
45	8QAM	1	1	22.77	22.83	22.72	23.3	1.0		
45	8QAM	1	1	21.22	21.32	21.24	21.8	2.5		
45	256QAM	1	1	19.13	19.22	19.20	19.8	4.5		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1732.5	1745	1757.5				
40	QPSK	1	1	23.20	23.25	23.25	24.3	0.0		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	23.07	23.22	23.15	24.3	0.0		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	23.13	23.26	23.21	24.3	0.0		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	23.13	23.30	23.24	24.3	0.0		
Channel				344000	345000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	23.18	23.29	23.17	24.3	0.0		
Channel				343000	345000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	23.15	23.29	23.15	24.3	0.0		
Channel				343000	345000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	23.21	23.25	23.19	24.3	0.0		
Channel				342500	345000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1772.5				
5	QPSK	1	1	23.11	23.20	23.16	24.3	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				345000	345000	350000				
Frequency (MHz)				1732.5	1745	1757.5				
45	PI2 BPSK	1	1	23.06	23.15	23.06				
45	PI2 BPSK	1	122	23.03	23.13	23.08	25.0	0.0		
45	PI2 BPSK	1	243	22.00	22.13	22.12				
45	PI2 BPSK	120	0	21.89	22.04	21.89	24.5	0.5		
45	PI2 BPSK	120	60	23.01	23.03	23.00	25.0	0.0		
45	PI2 BPSK	120	122	21.88	22.01	21.99	24.5	0.5		
45	PI2 BPSK	240	0	21.96	22.03	22.00				
45	QPSK	1	1	23.38	23.03	23.38				
45	QPSK	1	122	23.71	23.83	23.75	25.0	0.0		
45	QPSK	1	243	23.55	23.61	23.54				
45	QPSK	120	0	23.53	23.61	23.56	24.0	1.0		
45	QPSK	120	60	23.92	23.94	23.93	25.0	0.0		
45	QPSK	120	122	23.48	23.62	23.61	24.0	1.0		
45	QPSK	240	0	23.51	23.56	23.41	24.0	1.0		
45	8QAM	1	1	23.57	23.59	23.55	24.0	1.0		
45	8QAM	1	1	22.03	22.11	22.08	22.5	2.5		
45	256QAM	1	1	19.90	19.94	19.90	20.5	4.5		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1732.5	1745	1757.5				
40	QPSK	1	1	23.87	23.92	23.75	25.0	0.0		
Channel				345000	345000	352500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	23.93	23.88	23.83	25.0	0.0		
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	23.84	23.89	23.85	25.0	0.0		
Channel				345000	345000	353500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	23.96	23.92	23.87	25.0	0.0		
Channel				345000	345000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	23.91	23.90	23.86	25.0	0.0		
Channel				345500	345000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	23.80	24.02	23.76	25.0	0.0		
Channel				345500	345000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	23.85	24.00	23.78	25.0	0.0		
Channel				352500	345000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	23.90	24.00	23.79	25.0	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	345000	345000			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	22.40	22.54	22.42			
45	PI2 BPSK	1	122	22.39	22.43	22.29	25.0	0.0	
45	PI2 BPSK	1	243	21.41	21.45	21.30			
45	PI2 BPSK	120	0	21.27	21.31	21.19	24.5	0.5	
45	PI2 BPSK	120	60	22.36	22.41	22.36	25.0	0.0	
45	PI2 BPSK	120	122	21.28	21.38	21.30			
45	PI2 BPSK	240	0	21.30	21.40	21.36	24.5	0.5	
45	QPSK	1	1	23.72	23.82	23.68			
45	QPSK	1	122	23.81	23.72	23.59	25.0	0.0	
45	QPSK	1	243	23.07	23.03	23.05			
45	QPSK	120	0	22.85	22.86	22.77	24.0	1.0	
45	QPSK	120	60	23.58	23.72	23.68	25.0	0.0	
45	QPSK	120	122	22.89	22.90	22.86	24.0	1.0	
45	QPSK	240	0	22.83	22.92	22.84			
45	8QAM	1	1	22.80	22.83	22.88	24.0	1.0	
45	8QAM	1	1	21.28	21.43	21.38	22.5	2.5	
45	256QAM	1	1	18.28	18.31	18.24	20.5	4.5	
Channel				345000	345000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.04	23.76	23.55	25.0	0.0	
Channel				345000	345000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.71	23.75	23.67	25.0	0.0	
Channel				345000	345000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.65	23.67	23.63	25.0	0.0	
Channel				344500	345000	351500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1747.5			
25	QPSK	1	1	23.67	23.69	23.53	25.0	0.0	
Channel				344000	345000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.69	23.73	23.63	25.0	0.0	
Channel				343500	345000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.65	23.75	23.63	25.0	0.0	
Channel				343000	345000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.71	23.81	23.62	25.0	0.0	
Channel				342500	345000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.59	23.81	23.60	25.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					135100				
Frequency (MHz)					680.5				
35	PI2 BPSK	1	1		22.13				
35	PI2 BPSK	1	90		22.15		23.8	0.0	
35	PI2 BPSK	1	186		21.93				
35	PI2 BPSK	90	0		22.07		23.3	0.5	
35	PI2 BPSK	90	45		22.10		23.8	0.0	
35	PI2 BPSK	90	90		22.04		23.3	0.5	
35	PI2 BPSK	180	0		22.01				
35	QPSK	1	1		23.05				
35	QPSK	1	90		23.57		23.8	0.0	
35	QPSK	1	186		23.49				
35	QPSK	90	0		22.57		22.8	1.0	
35	QPSK	90	45		23.51		23.8	0.0	
35	QPSK	90	90		22.52		22.8	1.0	
35	QPSK	180	0		22.46		22.8	1.0	
35	8QAM	1	1		21.08		21.3	2.5	
35	256QAM	1	1		18.89		18.3	4.5	
Channel				135000	136100	136500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				678	680.5	683			
30	QPSK	1	1	23.63	23.62	23.58	23.8	0.0	
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				675.5	680.5	685.5			
25	QPSK	1	1	23.61	23.52	23.63	23.8	0.0	
Channel				135000	136100	137000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	1	23.54	23.53	23.56	23.8	0.0	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				669.5	680.5	689.5			
15	QPSK	1	1	23.62	23.51	23.61	23.8	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.52	23.63	23.63	23.8	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	23.54	23.63	23.57	23.8	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					135100				
Frequency (MHz)					680.5				
35	PI2 BPSK	1	1		21.45				
35	PI2 BPSK	1	90		21.50		23.3	0.0	
35	PI2 BPSK	1	186		21.38				
35	PI2 BPSK	90	0		21.36		22.8	0.5	
35	PI2 BPSK	90	45		21.56		23.3	0.0	
35	PI2 BPSK	90	90		21.36		22.8	0.5	
35	PI2 BPSK	180	0		21.52				
35	QPSK	1	1		22.97				
35	QPSK	1	90		22.83		23.3	0.0	
35	QPSK	1	186		22.84				
35	QPSK	90	0		21.91		22.3	1.0	
35	QPSK	90	45		22.88		23.3	0.0	
35	QPSK	90	90		21.96		22.3	1.0	
35	QPSK	180	0		21.83		22.3	1.0	
35	8QAM	1	1		21.91		22.3	1.0	
35	8QAM	1	1		20.43		20.8	2.5	
35	256QAM	1	1		18.24		18.8	4.5	
Channel				135000	136100	136500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				676	680.5	683			
30	QPSK	1	1	22.96	22.82	22.86	23.3	0.0	
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				675.5	680.5	685.5			
25	QPSK	1	1	22.96	22.88	22.85	23.3	0.0	
Channel				135000	136100	137000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	1	22.95	22.95	22.85	23.3	0.0	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				669.5	680.5	690.5			
15	QPSK	1	1	22.96	22.91	22.83	23.3	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.96	22.96	22.91	23.3	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	22.85	22.87	22.90	23.3	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	24.00	24.04	23.90			
40	PI2 BPSK	1	53	24.11	24.12	24.06	25.2	0.0	
40	PI2 BPSK	1	104	23.93	24.07	23.92			
40	PI2 BPSK	50	0	22.88	22.97	22.85	24.2	1.0	
40	PI2 BPSK	50	28	24.07	24.10	24.06	25.2	0.0	
40	PI2 BPSK	50	56	24.01	24.07	23.93	24.2	1.0	
40	PI2 BPSK	100	0	23.04	23.05	23.00			
40	QPSK	1	1	24.05	24.13	24.10			
40	QPSK	1	53	24.04	24.06	24.06	25.2	0.0	
40	QPSK	1	104	23.95	24.05	24.00			
40	QPSK	50	0	23.60	23.46	23.40	24.2	1.0	
40	QPSK	50	28	24.03	24.05	24.03	25.2	0.0	
40	QPSK	50	56	23.75	23.84	23.80	24.2	1.0	
40	QPSK	100	0	23.44	23.55	23.45			
40	16QAM	1	1	23.31	23.41	23.26	24.2	1.0	
40	16QAM	1	1	21.85	21.95	21.94	22.7	2.5	
40	256QAM	1	1	19.88	19.95	19.89	20.7	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.95	24.12	23.98	25.2	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	24.05	24.05	24.05	25.2	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.99	24.06	24.09	25.2	0.0	
Channel				515502	519000	522502	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	24.04	24.07	24.04	25.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.98	24.03	24.06	25.2	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.01	23.09	23.05			
40	PI2 BPSK	1	53	22.97	23.06	23.03	24.7	0.0	
40	PI2 BPSK	1	104	23.49	23.56	23.45			
40	PI2 BPSK	50	0	22.52	22.58	22.50	23.7	1.0	
40	PI2 BPSK	50	28	23.35	23.46	23.45	24.7	0.0	
40	PI2 BPSK	50	56	22.47	22.53	22.39	23.7	1.0	
40	PI2 BPSK	100	0	21.97	22.07	22.06			
40	QPSK	1	1	23.50	23.59	23.52			
40	QPSK	1	53	23.23	23.36	23.26	24.7	0.0	
40	QPSK	1	104	23.43	23.58	23.49			
40	QPSK	50	0	22.08	22.09	21.97	23.7	1.0	
40	QPSK	50	28	23.07	23.13	23.05	24.7	0.0	
40	QPSK	50	56	22.52	22.61	22.46	23.7	1.0	
40	QPSK	100	0	22.44	22.53	22.50			
40	16QAM	1	1	22.33	22.46	22.36	23.7	1.0	
40	16QAM	1	1	20.97	20.98	20.84	22.2	2.5	
40	256QAM	1	1	18.90	18.96	18.85	20.2	4.5	
Channel				517002	519000	520996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.45	23.51	23.41	24.7	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	23.43	23.53	23.42	24.7	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.41	23.49	23.41	24.7	0.0	
Channel				515502	519000	522502	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.41	23.51	23.37	24.7	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.49	23.50	23.47	24.7	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	24.18	24.23	24.11			
40	PI2 BPSK	1	53	24.19	24.25	24.14	25.4	0.0	
40	PI2 BPSK	1	104	24.02	24.07	23.93			
40	PI2 BPSK	50	0	23.12	23.16	23.13	24.4	1.0	
40	PI2 BPSK	50	28	24.02	24.13	24.02	25.4	0.0	
40	PI2 BPSK	50	56	23.95	23.99	23.95	24.4	1.0	
40	PI2 BPSK	100	0	23.12	23.22	23.12			
40	QPSK	1	1	24.34	24.41	24.33			
40	QPSK	1	53	24.36	24.39	24.35	25.4	0.0	
40	QPSK	1	104	24.33	24.38	24.35			
40	QPSK	50	0	23.49	23.52	23.49	24.4	1.0	
40	QPSK	50	28	24.35	24.39	24.29	25.4	0.0	
40	QPSK	50	56	23.63	23.61	23.54	24.4	1.0	
40	QPSK	100	0	23.80	23.84	23.55			
40	16QAM	1	1	23.63	23.73	23.59	24.4	1.0	
40	16QAM	1	1	22.05	22.08	21.98	22.9	2.5	
40	256QAM	1	1	20.00	20.08	20.04	20.9	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	24.32	24.32	24.34	25.4	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	24.19	24.17	24.23	25.4	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	24.27	24.32	24.35	25.4	0.0	
Channel				515502	519000	522502	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	24.19	24.40	24.29	25.4	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	24.20	24.36	24.38	25.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2586.02	2585	2589.98			
40	PI2 BPSK	1	1	23.54	23.61	23.54		25.4	0.0
40	PI2 BPSK	1	0	23.52	23.57	23.52			
40	PI2 BPSK	1	104	23.49	23.58	23.52		24.4	1.0
40	PI2 BPSK	50	0	22.41	22.46	22.44			
40	PI2 BPSK	50	28	23.49	23.54	23.45		25.4	0.0
40	PI2 BPSK	50	56	22.42	22.43	22.44			
40	PI2 BPSK	100	0	22.56	22.61	22.52		24.4	1.0
40	QPSK	1	1	23.73	23.77	23.65			
40	QPSK	1	0	23.69	23.73	23.62		25.4	0.0
40	QPSK	1	104	23.50	23.65	23.59			
40	QPSK	50	0	22.75	22.87	22.74		24.4	1.0
40	QPSK	50	28	22.59	22.73	22.59			
40	QPSK	50	56	22.75	22.87	22.83		24.4	1.0
40	QPSK	100	0	23.08	23.08	22.94			
40	16QAM	1	1	22.82	22.85	22.71		24.4	1.0
40	16QAM	1	1	21.28	21.38	21.22			
40	256QAM	1	1	19.20	19.33	19.29		25.9	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	23.65	23.63	23.64		25.4	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2582.52	2585	2587.48			
25	QPSK	1	1	23.70	23.68	23.58		25.4	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	23.64	23.74	23.63		25.4	0.0
Channel				515502	519000	522500	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	23.63	23.73	23.61		25.4	0.0
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	23.72	23.69	23.62		25.4	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	520900			
Frequency (MHz)				2548.01	2592.99	2644			
100	PI2 BPSK	1	1	24.34	24.39	24.37		25.2	0.0
100	PI2 BPSK	1	137	24.37	24.40	24.38			
100	PI2 BPSK	1	271	24.52	24.58	24.52		25.2	0.0
100	PI2 BPSK	135	0	24.33	24.42	24.34			
100	PI2 BPSK	135	69	24.40	24.49	24.36		25.2	0.0
100	PI2 BPSK	135	138	24.45	24.53	24.38			
100	PI2 BPSK	270	0	24.37	24.51	24.38		25.2	0.0
100	QPSK	1	1	24.05	24.42	24.57			
100	QPSK	1	137	24.38	24.41	24.38		25.2	0.0
100	QPSK	1	271	24.54	24.61	24.48			
100	QPSK	135	0	24.38	24.43	24.36		25.2	0.0
100	QPSK	135	69	24.45	24.52	24.45			
100	QPSK	135	138	24.35	24.47	24.41		25.2	0.0
100	QPSK	270	0	24.39	24.51	24.48			
100	16QAM	1	1	24.26	24.41	24.33		25.2	0.0
100	16QAM	1	1	23.25	23.46	23.34			
100	256QAM	1	1	21.39	21.46	21.36		21.7	3.5
Channel				508200	518998	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.99			
80	QPSK	1	1	24.51	24.49	24.49		25.2	0.0
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	24.51	24.49	24.42		25.2	0.0
Channel				506202	518998	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	24.49	24.50	24.50		25.2	0.0
Channel				505200	518998	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2528	2592.99	2659.98			
60	QPSK	1	1	24.54	24.61	24.53		25.2	0.0
Channel				504204	518998	522998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	24.58	24.61	24.54		25.2	0.0
Channel				503200	518998	523998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2514.9	2592.99	2674.98			
45	QPSK	1	1	24.58	24.51	24.53		25.2	0.0
Channel				502202	518998	524000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.52	2592.99	2679			
40	QPSK	1	1	24.45	24.55	24.51		25.2	0.0
Channel				502704	518998	524498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.52	2592.99	2672.49			
38	QPSK	1	1	24.52	24.54	24.54		25.2	0.0
Channel				502200	518998	524998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.58	24.50	24.45		25.2	0.0
Channel				501702	518998	525000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	24.58	24.61	24.50		25.2	0.0
Channel				501204	518998	525998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.02	2592.99	2679.99			
20	QPSK	1	1	24.54	24.54	24.55		25.2	0.0
Channel				500700	518998	526498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	24.54	24.47	24.50		25.2	0.0
Channel				500202	518998	527000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.01	2592.99	2684			
10	QPSK	1	1	24.51	24.48	24.44		25.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)		
Channel				506002	518998	526000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P12 BPSK	1	1	25.45	25.46	25.38				
100	P12 BPSK	1	137	25.41	25.50	25.40	27.2	0.0		
100	P12 BPSK	1	271	25.53	25.68	25.59				
100	P12 BPSK	135	0	25.29	25.41	25.34	26.2	1.0		
100	P12 BPSK	135	69	25.51	25.56	25.52	27.2	0.0		
100	P12 BPSK	135	135	25.59	25.63	25.61				
100	P12 BPSK	270	0	25.43	25.52	25.50	26.2	1.0		
100	QPSK	1	1	25.13	25.17	25.07				
100	QPSK	1	137	25.80	26.06	25.88	27.2	0.0		
100	QPSK	1	271	25.94	26.06	25.97				
100	QPSK	135	0	24.36	24.43	24.36	26.2	1.0		
100	QPSK	135	69	25.55	25.59	25.54	27.2	0.0		
100	QPSK	135	135	24.40	24.61	24.61				
100	QPSK	270	0	24.46	24.53	24.51	26.2	1.0		
100	16QAM	1	1	24.99	25.01	24.96	26.2	1.0		
100	64QAM	1	1	24.81	24.83	24.85	24.7	2.5		
100	256QAM	1	1	21.35	21.42	21.33	22.7	4.5		
Channel				508200	518998	526996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2641	2592.99	2644.98				
80	QPSK	1	1	26.04	26.11	26.05	27.2	0.0		
Channel				507204	518998	526996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2536.02	2592.99	2644.98				
80	QPSK	1	1	26.07	26.10	26.04	27.2	0.0		
Channel				506202	518998	531000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2531.01	2592.99	2605				
70	QPSK	1	1	26.01	26.08	26.01	27.2	0.0		
Channel				505203	518998	531000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2526	2592.99	2658.98				
60	QPSK	1	1	26.03	26.16	26.00	27.2	0.0		
Channel				504204	518998	532996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2531.02	2592.99	2664.98				
50	QPSK	1	1	26.04	26.10	26.02	27.2	0.0		
Channel				503700	518998	534496	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2518.5	2592.99	2677.48				
45	QPSK	1	1	26.06	26.08	25.95	27.2	0.0		
Channel				503202	518998	534000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2514.11	2592.99	2670				
40	QPSK	1	1	26.06	26.15	26.04	27.2	0.0		
Channel				502704	518998	534496	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2513.52	2592.99	2672.48				
35	QPSK	1	1	26.01	26.05	26.05	27.2	0.0		
Channel				502200	518998	534996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	26.10	26.13	26.03	27.2	0.0		
Channel				501702	518998	535000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2508.51	2592.99	2677.5				
25	QPSK	1	1	26.01	26.06	26.00	27.2	0.0		
Channel				501204	518998	535996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	26.01	26.08	26.04	27.2	0.0		
Channel				500700	518998	536496	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	26.01	26.02	25.95	27.2	0.0		
Channel				500202	518998	537000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2501.01	2592.99	2684				
10	QPSK	1	1	26.04	26.09	25.92	27.2	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)		
Channel				506002	518998	526000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P12 BPSK	1	1	24.04	24.02	24.03				
100	P12 BPSK	1	137	24.02	24.05	24.10	25.2	0.0		
100	P12 BPSK	1	271	24.06	24.03	23.99				
100	P12 BPSK	135	0	24.03	23.95	24.02	25.2	0.0		
100	P12 BPSK	135	69	24.06	23.94	24.04	25.2	0.0		
100	P12 BPSK	135	135	24.02	24.04	24.09				
100	P12 BPSK	270	0	24.03	24.09	24.05	25.2	0.0		
100	QPSK	1	1	24.05	24.11	24.03				
100	QPSK	1	137	24.00	24.06	23.98	25.2	0.0		
100	QPSK	1	271	23.96	24.08	23.97				
100	QPSK	135	0	23.96	23.99	23.93	25.2	0.0		
100	QPSK	135	69	23.95	24.02	24.00	25.2	0.0		
100	QPSK	135	135	23.97	23.95	23.97				
100	QPSK	270	0	23.97	23.95	23.97	25.2	0.0		
100	16QAM	1	1	23.94	24.10	24.02	25.2	0.0		
100	64QAM	1	1	22.35	22.42	22.37	21.7	1.5		
100	256QAM	1	1	20.38	20.37	20.41	21.7	3.5		
Channel				508200	518998	526996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2641	2592.99	2644.98				
80	QPSK	1	1	23.94	24.03	23.91	25.2	0.0		
Channel				507204	518998	526996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2536.02	2592.99	2644.98				
80	QPSK	1	1	23.99	23.97	23.93	25.2	0.0		
Channel				506202	518998	531000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2531.01	2592.99	2605				
70	QPSK	1	1	24.05	24.02	23.94	25.2	0.0		
Channel				505203	518998	531000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2526	2592.99	2658.98				
60	QPSK	1	1	24.05	24.02	23.98	25.2	0.0		
Channel				504204	518998	532996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2531.02	2592.99	2664.98				
50	QPSK	1	1	23.99	24.09	23.97	25.2	0.0		
Channel				503700	518998	534496	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2518.5	2592.99	2677.48				
45	QPSK	1	1	23.97	24.08	24.00	25.2	0.0		
Channel				503202	518998	534000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2514.11	2592.99	2670				
40	QPSK	1	1	24.04	23.97	23.92	25.2	0.0		
Channel				502704	518998	534496	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2513.52	2592.99	2672.48				
35	QPSK	1	1	23.94	24.01	23.83	25.2	0.0		
Channel				502200	518998	534996	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	23.95	24.04	23.91	25.2	0.0		
Channel				501702	518998	535000	Tune-up Int. (dBm)	MPR		
Frequency (MHz)				2508.51	2592.99	2677.5				
25	QPSK	1	1	23.93	24.08	24.01	25.2	0.0		
Channel				501204	518998	535996	Tune-up Int. (dBm)	MPR		

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RW (MHz)	Modulation	RB Size	RB Offset	Ch. Power (dBm)	Power Spectral Density (dBm/MHz)	Ch. Power (dBm)	Ch. Power (dBm)	Ch. Power (dBm)	Time up (ms)	MPR (dB)
Channel										
100	Frequency (MHz)		1	25.71	25.74	25.74	25.63	25.63		
	Pix BPSK	1	137	25.59	25.63	25.56	25.56	25.56	27.2	0.0
100	Pix BPSK	1	271	25.75	25.87	25.87	25.81	25.81		
100	Pix BPSK	138	0	24.53	24.58	24.58	24.53	24.53	26.2	1.0
100	Pix BPSK	138	69	25.69	25.71	25.71	25.58	25.58	27.2	0.0
100	Pix BPSK	138	138	24.61	24.63	24.63	24.58	24.58	27.2	0.0
100	Pix BPSK	270	0	24.32	24.42	24.41				
100	QPSK	1	1	25.72	25.75	25.75	25.68	25.68		
100	QPSK	1	137	26.09	26.16	26.16	26.02	26.02	27.2	0.0
100	QPSK	1	271	26.09	26.12	26.12	26.09	26.09		
100	QPSK	135	0	24.61	24.65	24.65	24.56	24.56	26.2	1.0
100	QPSK	135	66	25.63	25.65	25.65	25.56	25.56	27.2	0.0
100	QPSK	138	138	24.62	24.72	24.72	24.70	24.70		
100	QPSK	270	0	24.63	24.73	24.73	24.70	24.70		
100	ISQAM	1	1	25.30	25.31	25.31	25.26	25.26	26.2	1.0
100	ISQAM	1	25.37	25.35	25.35	25.31	25.31	24.7	2.5	
100	ISQAM	1	1	25.73	25.86	25.86	25.85	25.85		
100	ISQAM	1	68	26.00	26.09	26.09	26.00	26.00	Time up (ms)	MPR (dB)
90	QPSK	1	1	24.82	24.84	24.84	24.78	24.78		
90	QPSK	1	1	26.22	26.28	26.28	26.25	26.25	27.2	0.0
Channel										
100	Frequency (MHz)		1	25.670268	25.68988	25.68988	25.670268	25.670268	Time up (ms)	MPR (dB)
80	QPSK	1	1	25.670268	25.6739	25.6739	25.6739	25.6739		
80	QPSK	1	1	25.6739	25.6739	25.6739	25.6739	25.6739	27.2	0.0
Channel										
70	Frequency (MHz)		1	25.650202	25.68698	25.68698	25.650202	25.650202	Time up (ms)	MPR (dB)
70	QPSK	1	1	25.650202	25.650202	25.650202	25.650202	25.650202		
60	QPSK	1	1	26.18	26.27	26.27	26.18	26.18	27.2	0.0
60	QPSK	1	1	25.750202	25.750202	25.750202	25.750202	25.750202	Time up (ms)	MPR (dB)
60	QPSK	1	1	26.26	26.52	26.52	26.56	26.56	27.2	0.0
60	QPSK	1	1	26.12	26.26	26.26	26.15	26.15	27.2	0.0
60	QPSK	1	1	25.820202	25.820202	25.820202	25.820202	25.820202	Time up (ms)	MPR (dB)
50	Frequency (MHz)		1	25.210202	25.59259	25.59259	25.64549	25.64549		
50	QPSK	1	1	26.12	26.18	26.18	26.16	26.16	27.2	0.0
50	QPSK	1	1	25.370202	25.370202	25.370202	25.370202	25.370202	Time up (ms)	MPR (dB)
40	Frequency (MHz)		1	25.180202	25.64549	25.64549	25.67448			
40	QPSK	1	1	26.21	26.25	26.25	26.18	26.18	27.2	0.0
40	QPSK	1	1	25.330202	25.330202	25.330202	25.330202	25.330202	Time up (ms)	MPR (dB)
40	QPSK	1	1	25.180202	25.64549	25.64549	25.67448			
40	QPSK	1	1	26.15	26.15	26.15	26.19	26.19	27.2	0.0
Channel										
30	Frequency (MHz)		1	25.707048	25.68988	25.68988	25.64848	25.64848	Time up (ms)	MPR (dB)
30	QPSK	1	1	25.230202	25.230202	25.230202	25.230202	25.230202		
30	QPSK	1	1	25.820202	25.820202	25.820202	25.820202	25.820202	27.2	0.0
30	QPSK	1	1	25.110202	25.110202	25.110202	25.110202	25.110202	Time up (ms)	MPR (dB)
30	QPSK	1	1	26.11	26.22	26.22	26.14	26.14	27.2	0.0
30	QPSK	1	1	26.17	26.25	26.25	26.22	26.22	27.2	0.0
30	QPSK	1	1	25.330202	25.330202	25.330202	25.330202	25.330202	Time up (ms)	MPR (dB)
25	Frequency (MHz)		1	25.8051	25.69259	25.69259	25.76775	25.76775		
25	QPSK	1	1	26.08	26.18	26.18	26.24	26.24	27.2	0.0
25	QPSK	1	1	26.070202	25.69259	25.69259	25.76775	25.76775	Time up (ms)	MPR (dB)
25	QPSK	1	1	25.8051	25.69259	25.69259	25.76775	25.76775	Time up (ms)	MPR (dB)
20	Frequency (MHz)		1	26.09	26.21	26.21	26.13	26.13	27.2	0.0
20	QPSK	1	1	26.09	26.21	26.21	26.13	26.13	27.2	0.0
20	QPSK	1	1	26.070202	25.69259	25.69259	25.76775	25.76775	Time up (ms)	MPR (dB)
15	Frequency (MHz)		1	26.09	26.21	26.21	26.13	26.13	27.2	0.0
15	QPSK	1	1	26.09	26.21	26.21	26.13	26.13	27.2	0.0
Channel										
10	Frequency (MHz)		1	25.690218	25.68988	25.68988	25.67100	25.67100	Time up (ms)	MPR (dB)
10	QPSK	1	1	25.21	25.23	25.23	25.19	25.19	27.2	0.0
10	QPSK	1	1	25.21	25.23	25.23	25.19	25.19	27.2	0.0

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RF [MHz]	Modulation	RB Size	RE Offset	Power M1b [dBm] C1b [Freq.]	Power M1b [dBm] C1b [Freq.]	Power M1b [dBm] C1b [Freq.]	MPR (dB)
Channel							
40	PSK	1	1	24.23	24.34	24.37	
40	PSK	1	5	24.18	24.26	24.14	25.2
40	PSK	1	104	24.12	24.26	24.16	
40	PSK	50	5	21.10	21.21	21.24	24.7
40	PSK	50	28	24.16	24.31	24.23	25.2
40	PSK	50	56	21.02	21.11	21.08	
40	PSK	100	5	21.13	21.21	21.07	24.7
40	QPSK	1	1	24.23	24.34	24.37	
40	QPSK	1	53	23.96	24.12	24.07	25.2
40	QPSK	1	104	24.09	24.18	24.07	
40	QPSK	50	20	20.61	20.67	20.56	21.7
40	QPSK	50	28	24.16	24.21	24.17	25.2
40	QPSK	50	56	20.60	20.63	20.61	
40	QPSK	100	5	20.58	20.67	20.58	21.7
40	16QAM	1	1	23.13	23.26	23.21	24.2
40	64QAM	1	1	21.69	21.72	21.57	22.7
40	256QAM	1	1	19.77	19.76	19.72	20.7
Channel							
40	Frequency (MHz)			3665.02	3634.99	3634.99	
30	QPSK	1	1	24.20	24.31	24.11	25.2
30	Channel			3673.24	3650.05	3650.05	
30	Frequency (MHz)			3660.01	3624.99	3630	
20	QPSK	1	1	24.23	24.22	24.10	25.2
Channel							
16	QPSK	1	1	49.198	48.666	48.666	MPR
16	QPSK	1	1	50.7	50.549	50.549	MPR
16	QPSK	1	1	24.20	24.34	24.16	25.2
16	QPSK	1	1	47.030	46.666	46.632	MPR
Frequency (MHz)							
16	Channel			3624.98	364.98	364.98	
16	QPSK	1	1	24.10	24.26	24.13	25.2

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BW [MHz]	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Tune-up time (s)	MPR (dB)
Channel				638000	641006	645332		
40	F2/PSK	1	1	23.11	23.22	23.34		
40	F2/PSK	1	53	23.09	23.17	23.06	24.2	0.0
40	F2/PSK	1	104	23.09	23.14	23.00		
40	F2/PSK	50	5	23.15	23.07	23.00	23.7	0.5
40	F2/PSK	50	29	23.15	23.19	23.13	24.2	0.0
40	F2/PSK	50	56	19.86	20.06	19.94		
40	F2/PSK	100	0	20.07	20.02	20.08	23.7	0.5
40	QPSK	1	1	23.07	23.27	23.18		
40	QPSK	1	53	23.07	23.15	23.04	24.2	0.0
40	QPSK	1	104	23.07	23.10	22.97		
40	QPSK	50	5	19.82	19.92	19.82	20.7	3.5
40	QPSK	50	29	23.09	23.12	23.08	24.2	0.0
40	QPSK	50	56	19.88	19.98	19.90	20.7	3.5
40	QPSK	100	0	19.87	19.97	19.84		
40	16QAM	1	1	22.18	22.21	22.19	23.2	1.0
40	64QAM	1	1	20.68	20.75	20.64	21.7	2.5
40	256QAM	1	1	18.66	18.66	18.66	19.7	4.5
Frequency (MHz)				3365.02	3364.99	3364.99		
30	QPSK	1	1	23.02	23.18	23.12	24.2	0.0
Frequency (MHz)				3373.24	3373.06	3373.00		
30	QPSK	1	1	23.01	23.23	23.16	24.2	0.0
Channel				637986	641006	645196		
15	F2/PSK	1	1	23.07	23.49	23.24		
15	F2/PSK	1	1	23.10	23.18	23.05	24.2	0.0
Channel				637000	641006	645332		
15	F2/PSK	1	1	23.07	23.49	23.24		
10	QPSK	1	1	23.00	23.20	23.10	24.2	0.0

BW [MHz]	Modulation	RB Size
Channel		
Frequency (MHz)		
40	P12-BPSK	1
40	P12-BPSK	1
40	P12-BPSK	1
40	P12-BPSK	50
40	P12-BPSK	50
40	P12-BPSK	50
40	P12-BPSK	100
40	QPSK	1
40	QPSK	1
30	QPSK	1
30	QPSK	50
30	QPSK	50
40	QPSK	50
40	QPSK	50
40	QPSK	100
40	16QAM	1
40	64QAM	1
40	256QAM	1
Channel		
Frequency (MHz)		
30	QPSK	1
Channel		
Frequency (MHz)		
20	QPSK	1
Channel		
Frequency (MHz)		
15	QPSK	1
Channel		
Frequency (MHz)		
10	QPSK	1

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RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	163600	641666	645332			
	3570	3624.99	3679.98			
1	20.59	20.72	20.59			
53	20.59	20.62	20.59		21.7	
104	20.67	20.69	20.60			
0	18.55	18.67	18.52		21.7	
28	20.61	20.72	20.63		21.7	
95	18.52	18.63	18.57		21.7	
0	18.56	18.66	18.65			
1	20.72	20.75	20.68			
53	20.54	20.61	20.67		21.7	
104	20.51	20.66	20.58			
0	18.08	18.13	18.02		19.2	
28	20.55	20.63	20.52		21.7	
95	17.58	18.06	18.01		19.2	
0	18.04	18.09	17.98		19.2	
1	20.52	20.65	20.62		21.7	
1	19.04	19.13	19.06		20.2	
1	17.13	17.21	17.06		18.2	
	637898	641666	645696	Tune-up limit	MPR	
	3565.02	3624.99	3694.99	(dBm)	(dB)	
1	20.69	20.69	20.61		21.7	
	637334	641666	646000	Tune-up limit	MPR	
	3560.01	3624.99	3690	(dBm)	(dB)	
1	20.68	20.69	20.60		21.7	
	637168	641666	646166	Tune-up limit	MPR	
	3557.52	3624.99	3692.49	(dBm)	(dB)	
1	20.65	20.70	20.67		21.7	
	637103	641666	646166	Tune-up limit	MPR	
	3555	3624.99	3694.98	(dBm)	(dB)	
1	20.69	20.62	20.59		21.7	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			636000	641666	645332			
	Frequency (MHz)			3570	3624.99	3679.98			
40	PI2 BPSK	1	1	20.67	20.71	20.58			
40	PI2 BPSK	1	53	20.53	20.57	20.50	21.7	0.0	
40	PI2 BPSK	1	104	20.54	20.66	20.62			
40	PI2 BPSK	50	0	17.40	17.53	17.49	21.2	0.5	
40	PI2 BPSK	50	28	20.58	20.61	20.60	21.7	0.0	
40	PI2 BPSK	50	95	17.35	17.49	17.45			
40	PI2 BPSK	100	0	17.46	17.48	17.41	21.2	0.5	
40	QPSK	1	1	20.72	20.74	20.71			
40	QPSK	1	53	20.46	20.51	20.44	21.7	0.0	
40	QPSK	1	104	20.61	20.62	20.47			
40	QPSK	50	0	16.96	17.04	16.98	18.2	3.5	
40	QPSK	50	28	20.43	20.53	20.52	21.7	0.0	
40	QPSK	50	95	16.79	16.86	16.82			
40	QPSK	100	0	16.96	17.04	16.94	18.2	3.5	
40	16QAM	1	1	19.59	19.68	19.53	20.7	1.0	
40	64QAM	1	1	16.00	16.10	16.02	16.2	2.5	
40	256QAM	1	1	16.14	16.17	16.08	17.2	4.5	
	Channel			637898	641666	645696	Tune-up limit	MPR	
	Frequency (MHz)			3565.02	3624.99	3694.99	(dBm)	(dB)	
30	QPSK	1	1	20.59	20.54	20.54	21.7	0.0	
	Channel			637334	641666	646000	Tune-up limit	MPR	
	Frequency (MHz)			3560.01	3624.99	3690	(dBm)	(dB)	
20	QPSK	1	1	20.60	20.69	20.58	21.7	0.0	
	Channel			637168	641666	646166	Tune-up limit	MPR	
	Frequency (MHz)			3557.52	3624.99	3692.49	(dBm)	(dB)	
15	QPSK	1	1	20.69	20.69	20.63	21.7	0.0	
	Channel			637103	641666	646166	Tune-up limit	MPR	
	Frequency (MHz)			3555	3624.99	3694.98	(dBm)	(dB)	
10	QPSK	1	1	20.61	20.63	20.66	21.7	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
100	PI2 BPSK	1	1	23.96			25.2	0.0	
100	PI2 BPSK	1	137	23.94					
100	PI2 BPSK	1	271	23.97					
100	PI2 BPSK	135	0	24.03					
100	PI2 BPSK	135	69	24.02			25.2	0.0	
100	PI2 BPSK	135	138	23.97			25.2	0.0	
100	PI2 BPSK	270	0	23.99			25.2	0.0	
100	QPSK	1	1	24.04			25.2	0.0	
100	QPSK	1	137	24.01					
100	QPSK	1	271	23.89					
100	QPSK	135	0	23.89					
100	QPSK	135	69	23.97			25.2	0.0	
100	QPSK	135	138	23.94			25.2	0.0	
100	QPSK	270	0	23.94			25.2	0.0	
100	16QAM	1	1	24.03			25.2	0.0	
100	64QAM	1	1	23.92			25.2	0.0	
100	256QAM	1	1	22.81			25.2	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
80	QPSK	1	1	24.03	23.93	24.09	25.2	0.0	
Channel				630968	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	23.91	24.09	24.03	25.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3486.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	24.00	23.92	23.96	25.2	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	23.89	24.03	23.92	25.2	0.0	
Channel				631666	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3529.98	(dBm)	(dB)	
50	QPSK	1	1	23.90	23.99	23.95	25.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3534.99	(dBm)	(dB)	
40	QPSK	1	1	24.03	23.89	24.02	25.2	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465.01	3499.98	3540.99	(dBm)	(dB)	
30	QPSK	1	1	24.02	23.96	23.93	25.2	0.0	
Channel				630684	633332	635932	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)	
25	QPSK	1	1	23.96	23.99	24.01	25.2	0.0	
Channel				630968	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	23.91	24.00	23.96	25.2	0.0	
Channel				630600	633332	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	23.97	24.00	23.95	25.2	0.0	
Channel				630334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.51	3499.98	3544.98	(dBm)	(dB)	
10	QPSK	1	1	23.92	23.93	24.03	25.2	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	660000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.71	23.72	23.55	25.2	0.0	
100	PI2 BPSK	1	137	23.70	23.64	23.54			
100	PI2 BPSK	1	271	23.65	23.67	23.66			
100	PI2 BPSK	135	0	23.63	23.66	23.67			
100	PI2 BPSK	135	69	23.57	23.66	23.59	25.2	0.0	
100	PI2 BPSK	135	138	23.67	23.65	23.63	25.2	0.0	
100	PI2 BPSK	270	0	23.65	23.64	23.65	25.2	0.0	
100	QPSK	1	1	23.72	23.73	23.68	25.2	0.0	
100	QPSK	1	137	23.67	23.72	23.56			
100	QPSK	1	271	23.70	23.65	23.65			
100	QPSK	135	0	23.52	23.59	23.60			
100	QPSK	135	69	23.64	23.71	23.67	25.2	0.0	
100	QPSK	135	138	23.63	23.59	23.47	25.2	0.0	
100	QPSK	270	0	23.58	23.65	23.65	25.2	0.0	
100	16QAM	1	1	23.69	23.70	23.65	25.2	0.0	
100	64QAM	1	1	23.59	23.62	23.62	25.2	0.0	
100	256QAM	1	1	22.14	22.15	22.17	25.2	0.0	
Channel				649666	656000	662332	Tune-up limit	MPR	
Frequency (MHz)				3748.02	3840	3934.98	(dBm)	(dB)	
80	QPSK	1	1	23.68	23.69	23.67	25.2	0.0	
Channel				649334	656000	662666	Tune-up limit	MPR	
Frequency (MHz)				3740.51	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	23.63	23.62	23.63	25.2	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3944	(dBm)	(dB)	
70	QPSK	1	1	23.62	23.65	23.59	25.2	0.0	
Channel				648666	656000	663332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	23.62	23.62	23.56	25.2	0.0	
Channel				648334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)	(dB)	
50	QPSK	1	1	23.68	23.64	23.60	25.2	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	23.62	23.71	23.67	25.2	0.0	
Channel				647666	656000	664332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	23.71	23.65	23.63	25.2	0.0	
Channel				647300	656000	664600	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	23.61	23.71	23.63	25.2	0.0	
Channel				647334	656000	664666	Tune-up limit	MPR	
Frequency (MHz)				3710.51	3840	3969.59	(dBm)	(dB)	
20	QPSK	1	1	23.67	23.72	23.54	25.2	0.0	
Channel				647000	656000	664932	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)	
15	QPSK	1	1	23.71	23.69	23.55	25.2	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	23.61	23.72	23.53	25.2	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				633332			27.7	0.0				
100	PIQ2 BPSK	1	1	3499.98								
100	PIQ2 BPSK	1	1	26.60								
100	PIQ2 BPSK	1	137	26.31			27.2	0.5				
100	PIQ2 BPSK	1	271	26.43								
100	PIQ2 BPSK	135	0	25.89								
100	PIQ2 BPSK	135	69	26.36			27.7	0.0				
100	PIQ2 BPSK	135	138	25.82								
100	PIQ2 BPSK	270	0	25.85								
100	QPSK	1	1	26.61			27.7	0.0				
100	QPSK	1	137	26.26								
100	QPSK	1	271	26.43								
100	QPSK	135	0	26.36			26.7	1.0				
100	QPSK	135	69	26.21								
100	QPSK	135	138	25.31								
100	QPSK	270	0	25.38			26.7	1.0				
100	16QAM	1	1	25.97								
100	64QAM	1	1	24.52				25.2				
100	256QAM	1	1	22.61								
Channel												
Frequency (MHz)				633000	633332	633666	Tune-up limit	MPR				
				3495	3499.98	3504.99	(dBm)					
80	QPSK	1	1	26.54	26.47	26.48	27.7	0.0				
Channel												
Frequency (MHz)				630668	633332	636000	Tune-up limit	MPR				
				3490.02	3499.98	3510	(dBm)					
80	QPSK	1	1	26.59	26.49	26.58	27.7	0.0				
Channel												
Frequency (MHz)				632334	633332	634332	Tune-up limit	MPR				
				3486.01	3499.98	3514.98	(dBm)					
70	QPSK	1	1	26.56	26.49	26.49	27.7	0.0				
Channel												
Frequency (MHz)				632000	633332	634666	Tune-up limit	MPR				
				3480	3499.98	3519.99	(dBm)					
60	QPSK	1	1	26.55	26.56	26.54	27.7	0.0				
Channel												
Frequency (MHz)				631668	633332	635000	Tune-up limit	MPR				
				3475.02	3499.98	3505	(dBm)					
50	QPSK	1	1	26.54	26.59	26.56	27.7	0.0				
Channel												
Frequency (MHz)				631334	633332	635332	Tune-up limit	MPR				
				3470.01	3499.98	3529.98	(dBm)					
40	QPSK	1	1	26.49	26.56	26.59	27.7	0.0				
Channel												
Frequency (MHz)				631000	633332	635666	Tune-up limit	MPR				
				3465	3499.98	3534.99	(dBm)					
30	QPSK	1	1	26.49	26.58	26.56	27.7	0.0				
Channel												
Frequency (MHz)				630664	633332	635662	Tune-up limit	MPR				
				3462.61	3499.98	3537.48	(dBm)					
25	QPSK	1	1	26.54	26.59	26.53	27.7	0.0				
Channel												
Frequency (MHz)				630668	633332	635000	Tune-up limit	MPR				
				3460.02	3499.98	3540	(dBm)					
20	QPSK	1	1	26.50	26.49	26.58	27.7	0.0				
Channel												
Frequency (MHz)				630334	633332	635332	Tune-up limit	MPR				
				3457.5	3499.98	3542.49	(dBm)					
15	QPSK	1	1	26.57	26.57	26.55	27.7	0.0				
Channel												
Frequency (MHz)				3455.01	3499.98	3544.98	Tune-up limit	MPR				
							(dBm)					
10	QPSK	1	1	26.52	26.51	26.57	27.7	0.0				

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				650000	650000	650000	27.7	0.0				
100	PIQ2 BPSK	1	1	26.24								
100	PIQ2 BPSK	1	137	26.04								
100	PIQ2 BPSK	1	271	26.13			27.2	0.5				
100	PIQ2 BPSK	135	0	25.63								
100	PIQ2 BPSK	135	69	25.98								
100	PIQ2 BPSK	135	135	25.31			27.2	0.5				
100	PIQ2 BPSK	270	0	25.56								
100	QPSK	1	1	26.25			27.7	0.0				
100	QPSK	1	137	25.99								
100	QPSK	1	271	26.04								
100	QPSK	135	0	25.10			26.7	1.0				
100	QPSK	135	69	25.55								
100	QPSK	135	138	26.05								
100	QPSK	270	0	25.02			26.7	1.0				
100	16QAM	1	1	25.65								
100	64QAM	1	1	24.14				25.2				
100	256QAM	1	1	22.14								
Channel												
Frequency (MHz)				649668	650000	650332	Tune-up limit	MPR				
				3745.02	3840	3934.98	(dBm)					
80	QPSK	1	1	26.20	26.34	26.37	27.7	0.0				
Channel												
Frequency (MHz)				649334	650000	650666	Tune-up limit	MPR				
				3740.01	3840	3939.98	(dBm)					
80	QPSK	1	1	26.13	26.17	26.16	27.7	0.0				
Channel												
Frequency (MHz)				649000	650000	651000	Tune-up limit	MPR				
				3735	3840	3945	(dBm)					
70	QPSK	1	1	26.18	26.20	26.19	27.7	0.0				
Channel												
Frequency (MHz)				647302	6480	3949.98	Tune-up limit	MPR				
				3730.02	3840	3949.98	(dBm)					
60	QPSK	1	1	26.26	26.19	26.19	27.7	0.0				
Channel												
Frequency (MHz)				646334	650000	650666	Tune-up limit	MPR				
				3725.01	3840	3954.98	(dBm)					
50	QPSK	1	1	26.24	26.12	26.13	27.7	0.0				
Channel												
Frequency (MHz)				646000	650000	651000	Tune-up limit	MPR				
				3720	3840	3960	(dBm)					
40	QPSK	1	1	26.27	26.13	26.16	27.7	0.0				
Channel												
Frequency (MHz)				647668	650000	651332	Tune-up limit	MPR				
				3715.02	3840	3974.98	(dBm)					
30	QPSK	1	1	26.19	26.14	26.10	27.7	0.0				
Channel												
Frequency (MHz)				647000	650000	651666	Tune-up limit	MPR				
				3712.5	3840	3967.5	(dBm)					
25	QPSK	1	1	26.15	26.20	26.09	27.7	0.0				
Channel												
Frequency (MHz)				647334	650000	651666	Tune-up limit	MPR				
				3710.01	3840	3972.5	(dBm)					
20	QPSK	1	1	26.13	26.13	26.19	27.7	0.0				
Channel												
Frequency (MHz)				647168	650000	651652	Tune-up limit	MPR				
				3707.62	3840	3972.5	(dBm)					
15	QPSK	1	1	26.11	26.11	26.19	27.7	0.0				
Channel												
Frequency (MHz)				647000	650000	650900	Tune-up limit	MPR				
				3705	3840	3975	(dBm)					
10	QPSK	1	1	26.1	26.1	26.19	27.7	0.0				

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				633332			23.4	0.0				
100	PIQ BPSK	1	1	3499.98								
100	PIQ BPSK	1	137	22.32								
100	PIQ BPSK	1	271	22.31			23.4	0.0				
100	PIQ BPSK	1	405	22.21								
100	PIQ BPSK	135	0	22.20								
100	PIQ BPSK	135	69	22.30			23.4	0.0				
100	PIQ BPSK	135	138	22.23								
100	PIQ BPSK	270	0	22.34								
100	QPSK	1	1	22.35			23.4	0.0				
100	QPSK	1	137	22.29								
100	QPSK	1	271	22.23								
100	QPSK	135	0	22.17			23.4	0.0				
100	QPSK	135	69	22.26								
100	QPSK	135	138	22.18								
100	QPSK	270	0	22.20			23.4	0.0				
100	16QAM	1	1	22.33								
100	64QAM	1	1	22.29			23.4	0.0				
100	256QAM	1	1	21.63								
Channel												
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	22.17	22.31	22.18	23.4	0.0				
Channel												
Frequency (MHz)				630968	633332	634000	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	3490.02	3499.98	3510	23.4	0.0				
Channel												
Frequency (MHz)				630968	633332	634000	Tune-up limit (dBm)	MPR (dB)				
70	QPSK	1	1	22.25	22.33	22.15	23.4	0.0				
Channel												
Frequency (MHz)				3480	3499.98	3519.99	Tune-up limit (dBm)	MPR (dB)				
60	QPSK	1	1	22.18	22.23	22.21	23.4	0.0				
Channel												
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)				
50	QPSK	1	1	22.15	22.26	22.22	23.4	0.0				
Channel												
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)				
40	QPSK	1	1	22.17	22.24	22.17	23.4	0.0				
Channel												
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)				
30	QPSK	1	1	22.27	22.33	22.19	23.4	0.0				
Channel												
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)				
25	QPSK	1	1	22.21	22.29	22.24	23.4	0.0				
Channel												
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	22.16	22.20	22.12	23.4	0.0				
Channel												
Frequency (MHz)				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	1	22.16	22.30	22.15	23.4	0.0				
Channel												
Frequency (MHz)				3455.51	3499.98	3544.98	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	1	22.16	22.33	22.22	23.4	0.0				

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				3750			23.4	0.0				
100	PIQ BPSK	1	1	22.15								
100	PIQ BPSK	1	137	22.16								
100	PIQ BPSK	1	271	22.14			23.4	0.0				
100	PIQ BPSK	135	0	22.14								
100	PIQ BPSK	135	69	22.15								
100	PIQ BPSK	135	138	22.18			23.4	0.0				
100	PIQ BPSK	270	0	22.19								
100	QPSK	1	1	22.15			23.4	0.0				
100	QPSK	1	137	22.16								
100	QPSK	1	271	22.17								
100	QPSK	135	0	22.07			23.4	0.0				
100	QPSK	135	69	22.16								
100	QPSK	135	138	22.09								
100	QPSK	270	0	22.08			23.4	0.0				
100	16QAM	1	1	22.07								
100	64QAM	1	1	22.20			23.4	0.0				
100	256QAM	1	1	21.61								
Channel												
Frequency (MHz)				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	3740.02	3840	3839.98	23.4	0.0				
Channel												
Frequency (MHz)				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	3740.01	3840	3839.99	23.4	0.0				
Channel												
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)				
70	QPSK	1	1	22.13	22.22	22.15	23.4	0.0				
Channel												
Frequency (MHz)				3730.02	3840	3849.98	Tune-up limit (dBm)	MPR (dB)				
60	QPSK	1	1	22.14	22.19	22.12	23.4	0.0				
Channel												
Frequency (MHz)				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)				
50	QPSK	1	1	22.16	22.16	22.11	23.4	0.0				
Channel												
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)				
40	QPSK	1	1	22.03	22.14	22.12	23.4	0.0				
Channel												
Frequency (MHz)				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)				
30	QPSK	1	1	22.11	22.25	22.16	23.4	0.0				
Channel												
Frequency (MHz)				647000	656000	664666	Tune-up limit (dBm)	MPR (dB)				
25	QPSK	1	1	22.03	22.17	22.03	23.4	0.0				
Channel												
Frequency (MHz)				647334	656000	664998	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	22.13	22.16	22.10	23.4	0.0				
Channel												
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	1	22.03	22.13	22.16	23.4	0.0				
Channel												
Frequency (MHz)				3705	3840	3873	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	1	22.09	22.12	22.06	23.4	0.0				

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332	633332	27.2	0.0	
Frequency (MHz)				3499.98	3499.98	3499.98			
100	PI2 BPSK	1	1	25.86	25.86	25.86			
100	PI2 BPSK	1	137	25.68	25.68	25.68	27.2	0.0	
100	PI2 BPSK	1	271	25.72	25.72	25.72			
100	PI2 BPSK	135	0	25.31	25.31	25.31			
100	PI2 BPSK	135	69	25.74	25.74	25.74	26.7	0.5	
100	PI2 BPSK	135	135	25.25	25.25	25.25			
100	PI2 BPSK	270	0	25.29	25.29	25.29			
100	QPSK	1	1	25.90	25.90	25.90	27.2	0.0	
100	QPSK	1	137	25.62	25.62	25.62			
100	QPSK	1	271	25.75	25.75	25.75			
100	QPSK	135	0	24.66	24.66	24.66	27.2	0.0	
100	QPSK	135	69	25.69	25.69	25.69			
100	QPSK	135	135	24.71	24.71	24.71			
100	QPSK	270	0	24.75	24.75	24.75	26.2	1.0	
100	16QAM	1	1	25.24	25.24	25.24			
100	64QAM	1	1	24.62	24.62	24.62			
100	256QAM	1	1	21.80	21.80	21.80	25.7	4.5	
Channel				633000	633332	633666			
Frequency (MHz)				3495	3499.98	3504.99			
80	QPSK	1	1	23.77	23.80	23.76	27.2	0.0	
Channel				630666	633332	636000			
Frequency (MHz)				3495.02	3499.98	3504.98			
80	QPSK	1	1	25.89	25.89	25.88	27.2	0.0	
Channel				632334	633332	634332			
Frequency (MHz)				3486.01	3489.98	3514.98			
70	QPSK	1	1	25.77	25.80	25.81	27.2	0.0	
Channel				632000	633332	634666			
Frequency (MHz)				3480	3489.98	3519.99			
60	QPSK	1	1	25.85	25.76	25.88	27.2	0.0	
Channel				631666	633332	635000			
Frequency (MHz)				3475.02	3489.98	3529.98			
50	QPSK	1	1	25.89	25.77	25.84	27.2	0.0	
Channel				631334	633332	635332			
Frequency (MHz)				3470.01	3489.98	3524.98			
40	QPSK	1	1	25.87	25.88	25.83	27.2	0.0	
Channel				631000	633332	635666			
Frequency (MHz)				3465.01	3489.98	3531.98			
30	QPSK	1	1	25.78	25.87	25.86	27.2	0.0	
Channel				630664	633332	635632			
Frequency (MHz)				3462.51	3489.98	3537.48			
25	QPSK	1	1	25.75	25.79	25.87	27.2	0.0	
Channel				630668	633332	635000			
Frequency (MHz)				3460.02	3489.98	3540			
20	QPSK	1	1	25.89	25.86	25.84	27.2	0.0	
Channel				630500	633332	635162			
Frequency (MHz)				3457.5	3489.98	3542.48			
15	QPSK	1	1	25.85	25.88	25.76	27.2	0.0	
Channel				630334	633332	635332			
Frequency (MHz)				3455.51	3489.98	3544.98			
10	QPSK	1	1	25.87	25.77	25.79	27.2	0.0	
Channel				630000	633332	635666			
Frequency (MHz)				3453.51	3489.98	3546.98			

Part27O_n77_Ant 13 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	660000	660000	27.2	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	25.65	25.62	25.67			
100	PI2 BPSK	1	137	25.57	25.49	25.53	27.2	0.0	
100	PI2 BPSK	1	271	25.54	25.48	25.58			
100	PI2 BPSK	135	0	25.08	25.09	25.18			
100	PI2 BPSK	135	69	25.60	25.52	25.62	27.2	0.0	
100	PI2 BPSK	135	135	25.05	25.03	25.13			
100	PI2 BPSK	270	0	25.18	25.04	25.08			
100	QPSK	1	1	25.75	25.79	25.75	27.2	0.0	
100	QPSK	1	137	25.43	25.47	25.43			
100	QPSK	1	271	25.58	25.59	25.54			
100	QPSK	135	0	24.46	24.50	24.47	27.2	1.0	
100	QPSK	135	69	25.02	25.06	25.07			
100	QPSK	135	135	24.54	24.50	24.53			
100	QPSK	270	0	24.52	24.53	24.50	26.2	1.0	
100	16QAM	1	1	24.99	25.01	25.07			
100	64QAM	1	1	23.85	23.86	23.86			
100	256QAM	1	1	21.67	21.68	21.67	22.7	4.5	
Channel				649666	650000	650332			
Frequency (MHz)				3748.02	3840	3934.98			
80	QPSK	1	1	23.69	23.65	23.63	27.2	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3840	3939.98			
80	QPSK	1	1	23.69	23.72	23.69	27.2	0.0	
Channel				649000	650000	650300			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.71	25.76	25.68	27.2	0.0	
Channel				648700	650000	651332			
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	25.72	25.74	25.69	27.2	0.0	
Channel				648334	650000	650996			
Frequency (MHz)				3725.01	3840	3954.98			
50	QPSK	1	1	25.74	25.79	25.63	27.2	0.0	
Channel				648000	650000	651400			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.64	25.68	25.60	27.2	0.0	
Channel				647668	650000	651432			
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	25.74	25.75	25.62	27.2	0.0	
Channel				647500	650000	651400			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.73	25.73	25.63	27.2	0.0	
Channel				647334	650000	651466			
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	25.71	25.64	25.67	27.2	0.0	
Channel				647166	650000	651432			
Frequency (MHz)				3707.52	3840	3972.48			
15	QPSK	1	1	25.67	25.74	25.65	27.2	0.0	
Channel				647000	650000	651500			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.66	25.64	25.69	27.2	0.0	
Channel				646834	650000	651532			
Frequency (MHz)				3702.51	3840	3977.49			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3499.98	21.2	0.0	
100	Pl2 BPSK	1	1	20.26					
100	Pl2 BPSK	1	137	20.36					
100	Pl2 BPSK	1	271	20.30					
100	Pl2 BPSK	135	0	20.25			21.2	0.0	
100	Pl2 BPSK	135	69	20.29			21.2	0.0	
100	Pl2 BPSK	135	135	20.35			21.2	0.0	
100	Pl2 BPSK	270	0	20.30			21.2	0.0	
100	QPSK	1	1	20.35			21.2	0.0	
100	QPSK	1	137	20.36					
100	QPSK	1	271	20.37					
100	QPSK	135	0	20.26					
100	QPSK	135	69	20.33			21.2	0.0	
100	QPSK	135	135	20.29			21.2	0.0	
100	QPSK	270	0	20.31			21.2	0.0	
100	16QAM	1	1	20.29			21.2	0.0	
100	16QAM	1	1	20.32			21.2	0.0	
100	256QAM	1	1	18.49		20.5	20.5	1.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
				3495	3499.98	3504.99	(dB)		
90	QPSK	1	1	20.28	20.34	20.24	21.2	0.0	
Channel									
Frequency (MHz)				632666	633332	634000	Tune-up limit (dBm)	MPR	
				3490.02	3499.98	3510	(dB)		
80	QPSK	1	1	20.27	20.24	20.33	21.2	0.0	
Channel									
Frequency (MHz)				632134	633332	634332	Tune-up limit (dBm)	MPR	
				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	20.25	20.25	20.36	21.2	0.0	
Channel									
Frequency (MHz)				63480	3499.98	3519.99	Tune-up limit (dBm)	MPR	
				20.27	20.28	20.29	21.2	0.0	
60	QPSK	1	1	20.27	20.28	20.29	21.2	0.0	
Channel									
Frequency (MHz)				631066	633332	635000	Tune-up limit (dBm)	MPR	
				3475.02	3499.98	3505	(dB)		
50	QPSK	1	1	20.34	20.38	20.38	21.2	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3470.01	3499.98	3523.98	(dB)		
40	QPSK	1	1	20.32	20.29	20.38	21.2	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3474.5	3499.98	3534.99	(dB)		
30	QPSK	1	1	20.34	20.27	20.28	21.2	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR	
				3462.51	3499.98	3537.48	(dB)		
25	QPSK	1	1	20.37	20.32	20.25	21.2	0.0	
Channel									
Frequency (MHz)				630666	633332	636000	Tune-up limit (dBm)	MPR	
				3460.02	3499.98	3540	(dB)		
20	QPSK	1	1	20.38	20.33	20.25	21.2	0.0	
Channel									
Frequency (MHz)				631000	633332	636332	Tune-up limit (dBm)	MPR	
				3457.5	3499.98	3542.48	(dB)		
15	QPSK	1	1	20.29	20.38	20.27	21.2	0.0	
Channel									
Frequency (MHz)				630534	633332	636532	Tune-up limit (dBm)	MPR	
				3455.01	3499.98	3544.98	(dB)		
10	QPSK	1	1	20.25	20.25	20.38	21.2	0.0	

Part27O_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				660000	660000	662000			
100	Pl2 BPSK	1	1	20.19	20.23	20.10	21.2	0.0	
100	Pl2 BPSK	1	137	20.23	20.25	20.07			
100	Pl2 BPSK	1	271	20.21	20.13	20.07			
100	Pl2 BPSK	135	0	20.21	20.24	20.07			
100	Pl2 BPSK	135	69	20.24	20.27	20.09	21.2	0.0	
100	Pl2 BPSK	135	135	20.18	20.24	20.07	21.2	0.0	
100	Pl2 BPSK	270	0	20.18	20.16	20.19	21.2	0.0	
100	QPSK	1	1	20.29	20.27	20.20	21.2	0.0	
100	QPSK	1	137	20.19	20.22	20.09			
100	QPSK	1	271	20.27	20.15	20.19			
100	QPSK	135	0	20.18	20.14	20.09			
100	QPSK	135	69	20.28	20.23	20.17	21.2	0.0	
100	QPSK	135	135	20.24	20.17	20.08	21.2	0.0	
100	QPSK	270	0	20.26	20.13	20.08	21.2	0.0	
100	16QAM	1	1	20.25	20.14	20.18	21.2	0.0	
100	64QAM	1	1	20.28	20.14	20.20	21.2	0.0	
100	256QAM	1	1	19.86	19.90	19.81	20.2	1.0	
Channel									
Frequency (MHz)				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3840	3934.98			
90	QPSK	1	1	20.23	20.19	20.14	21.2	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
				3745.01	3840	3938.99			
80	QPSK	1	1	20.23	20.21	20.10	21.2	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3735	3840	3945			
70	QPSK	1	1	20.15	20.13	20.12	21.2	0.0	
Channel									
Frequency (MHz)				6490.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)	
				20.14	20.12	20.14	21.2	0.0	
60	QPSK	1	1	20.14	20.12	20.14	21.2	0.0	
Channel									
Frequency (MHz)				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3840	3954.99			
50	QPSK	1	1	20.19	20.18	20.12	21.2	0.0	
Channel									
Frequency (MHz)				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3720	3840	3960			
40	QPSK	1	1	20.26	20.23	20.07	21.2	0.0	
Channel									
Frequency (MHz)				647666	650000	651332	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3840	3964.98			
30	QPSK	1	1	20.15	20.19	20.14	21.2	0.0	
Channel									
Frequency (MHz)				647500	650000	651500	Tune-up limit (dBm)	MPR (dB)	
				3712.5	3840	3967.5			
25	QPSK	1	1	20.25	20.13	20.12	21.2	0.0	
Channel									
Frequency (MHz)				647334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
				3712.51	3840	3967.49			
20	QPSK	1	1	20.26	20.20	20.13	21.2	0.0	
Channel									
Frequency (MHz)				6467.68	650000	651452	Tune-up limit (dBm)	MPR (dB)	
				3697.62	3840	3952.38			
15	QPSK	1	1	20.15	20.19	20.10	21.2	0.0	
Channel									
Frequency (MHz)				647000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3705	3840	3935			
10	QPSK	1	1	20.15	20.14	20.11	21.2	0.0	
Channel									
Frequency (MHz)				647000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3705	3840	3935			

Part27Q_n77_Ant 4 HPUE												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				633332			24.2	0.0				
100	PI2 BPSK	1	1	3499.98								
				23.20								
100	PI2 BPSK	1	137	22.97								
100	PI2 BPSK	1	271	23.01								
100	PI2 BPSK	135	0	23.04			24.2	0.0				
100	PI2 BPSK	135	69	22.89			24.2	0.0				
100	PI2 BPSK	135	136	22.90			24.2	0.0				
100	PI2 BPSK	270	0	22.84			24.2	0.0				
100	QPSK	1	1	23.25			24.2	0.0				
100	QPSK	1	137	22.94								
100	QPSK	1	271	23.10								
100	QPSK	135	0	22.35								
100	QPSK	135	69	22.81								
100	QPSK	135	136	22.72			23.7	0.5				
100	QPSK	270	0	22.28			23.7	0.5				
100	16QAM	1	1	23.14			23.7	0.5				
100	64QAM	1	1	21.53			25.2	2.0				
100	256QAM	1	1	19.63			30.2	4.0				
Channel												
Frequency (MHz)				633000	633332	633666	Tune-up limit	MPR				
80	QPSK	1	1	23.15	23.16	23.15	24.2	0.0				
Channel												
Frequency (MHz)				630968	633332	634000	Tune-up limit	MPR				
80	QPSK	1	1	3490.02	3499.98	3510.00	24.2	0.0				
Channel												
Frequency (MHz)				632000	633332	634666	Tune-up limit	MPR				
70	QPSK	1	1	23.17	23.23	23.20	24.2	0.0				
Channel												
Frequency (MHz)				3480	3499.98	3519.99	Tune-up limit	MPR				
60	QPSK	1	1	23.13	23.10	23.11	24.2	0.0				
Channel												
Frequency (MHz)				631668	633332	635000	Tune-up limit	MPR				
50	QPSK	1	1	23.16	23.16	23.23	24.2	0.0				
Channel												
Frequency (MHz)				631334	633332	635332	Tune-up limit	MPR				
40	QPSK	1	1	23.22	23.23	23.14	24.2	0.0				
Channel												
Frequency (MHz)				631000	633332	635666	Tune-up limit	MPR				
30	QPSK	1	1	23.17	23.12	23.16	24.2	0.0				
Channel												
Frequency (MHz)				630684	633332	635832	Tune-up limit	MPR				
25	QPSK	1	1	23.14	23.24	23.29	24.2	0.0				
Channel												
Frequency (MHz)				630968	633332	636000	Tune-up limit	MPR				
20	QPSK	1	1	23.24	23.14	23.15	24.2	0.0				
Channel												
Frequency (MHz)				630700	633332	636166	Tune-up limit	MPR				
15	QPSK	1	1	23.20	23.15	23.13	24.2	0.0				
Channel												
Frequency (MHz)				3493.51	3499.98	3504.98	Tune-up limit	MPR				
10	QPSK	1	1	23.17	23.23	23.20	24.2	0.0				

Part27O_n77_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750			24.2	0.0	
100	PI2 BPSK	1	1	23.13					
100	PI2 BPSK	1	137	22.81					
100	PI2 BPSK	1	271	22.84					
100	PI2 BPSK	135	0	23.04			23.7	0.5	
100	PI2 BPSK	135	69	22.81			24.2	0.0	
100	PI2 BPSK	135	138	22.81			23.7	0.5	
100	PI2 BPSK	270	0	22.76			22.73		
100	QPSK	1	1	23.17	23.13	23.07	24.2	0.0	
100	QPSK	1	137	22.86	22.83	22.84			
100	QPSK	1	271	23.07	22.96	22.98			
100	QPSK	135	0	22.33	22.34	22.17			
100	QPSK	135	69	22.79	22.67	22.72			
100	QPSK	135	138	22.15	22.20	22.07	23.2	1.0	
100	QPSK	270	0	22.21	22.10	22.18	23.2	1.0	
100	16QAM	1	1	23.09	23.08	23.06	23.2	1.0	
100	64QAM	1	1	21.46	21.51	21.44	21.7	2.5	
100	256QAM	1	1	18.98	18.96	18.93	18.7	4.5	
Channel									
Frequency (MHz)				649668	656000	662332	Tune-up limit	MPR	
80	QPSK	1	1	23.15	23.12	23.04	24.2	0.0	
Channel									
Frequency (MHz)				649334	656000	662666	Tune-up limit	MPR	
80	QPSK	1	1	3740.01	3840	3859.99	24.2	0.0	
Channel									
Frequency (MHz)				649000	656000	663000	Tune-up limit	MPR	
70	QPSK	1	1	23.15	22.99	23.00	24.2	0.0	
Channel									
Frequency (MHz)				3730.02	3840	3849.98	Tune-up limit	MPR	
60	QPSK	1	1	23.06	23.06	23.02	24.2	0.0	
Channel									
Frequency (MHz)				648334	656000	663666	Tune-up limit	MPR	
50	QPSK	1	1	23.12	22.99	22.98	24.2	0.0	
Channel									
Frequency (MHz)				648000	656000	664000	Tune-up limit	MPR	
40	QPSK	1	1	23.14	23.01	22.95	24.2	0.0	
Channel									
Frequency (MHz)				647668	656000	664332	Tune-up limit	MPR	
30	QPSK	1	1	23.14	22.99	23.01	24.2	0.0	
Channel									
Frequency (MHz)				647000	656000	664666	Tune-up limit	MPR	
25	QPSK	1	1	23.11	22.99	22.97	24.2	0.0	
Channel									
Frequency (MHz)				647334	656000	664998	Tune-up limit	MPR	
20	QPSK	1	1	23.02	23.01	22.93	24.2	0.0	
Channel									
Frequency (MHz)				647000	656000	665000	Tune-up limit	MPR	
15	QPSK	1	1	23.08	22.98	23.05	24.2	0.0	
Channel									
Frequency (MHz)				3705	3840	3873	Tune-up limit	MPR	
10	QPSK	1	1	23.04	23.10	22.99	24.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	20.23			21.2	0.0	
100	PI2 BPSK	1	137	20.24					
100	PI2 BPSK	1	271	20.33					
100	PI2 BPSK	135	0	20.30			21.2	0.0	
100	PI2 BPSK	135	69	20.25			21.2	0.0	
100	PI2 BPSK	135	135	20.23			21.2	0.0	
100	PI2 BPSK	270	0	20.35					
100	QPSK	1	1	20.36					
100	QPSK	1	137	20.31			21.2	0.0	
100	QPSK	1	271	20.31					
100	QPSK	135	0	20.25				0.0	
100	QPSK	135	69	20.33			21.2	0.0	
100	QPSK	135	135	20.24			21.2	0.0	
100	QPSK	270	0	20.31					
100	16QAM	1	1	20.25			21.2	0.0	
100	64QAM	1	1	20.24			21.2	0.0	
100	256QAM	1	1	18.12			18.7	1.5	
Channel				633900	633332	633666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	(dB)		
90	QPSK	1	1	20.32	20.33	20.33	21.2	0.0	
Channel				632666	633332	634000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510	(dB)		
80	QPSK	1	1	20.22	20.22	20.31	21.2	0.0	
Channel				632332	633332	634332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3480.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	20.23	20.29	20.32	21.2	0.0	
Channel				3480	3499.98	3519.99	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99	(dB)		
60	QPSK	1	1	20.29	20.27	20.29	21.2	0.0	
Channel				637666	633332	636000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3478.02	3499.98	3505	(dB)		
50	QPSK	1	1	20.22	20.34	20.27	21.2	0.0	
Channel				631334	633332	635332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3474.01	3499.98	3509.98	(dB)		
40	QPSK	1	1	20.31	20.30	20.34	21.2	0.0	
Channel				631000	633332	635666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3470	3499.98	3514.99	(dB)		
30	QPSK	1	1	20.25	20.22	20.21	21.2	0.0	
Channel				630834	633332	635832	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3499.98	3517.48	(dB)		
25	QPSK	1	1	20.27	20.22	20.22	21.2	0.0	
Channel				630666	633332	636000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3504	(dB)		
20	QPSK	1	1	20.34	20.31	20.35	21.2	0.0	
Channel				630330	633332	636330	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3502.49	(dB)		
15	QPSK	1	1	20.29	20.28	20.22	21.2	0.0	
Channel				630000	633332	636666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3453.01	3499.98	3504.98	(dB)		
10	QPSK	1	1	20.29	20.34	20.22	21.2	0.0	

Part27O_n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				640000	640000	640000			
Frequency (MHz)				3760	3840	3880			
100	PI2 BPSK	1	1	19.89	20.05	19.85	21.2	0.0	
100	PI2 BPSK	1	137	19.96	20.05	19.93			
100	PI2 BPSK	1	271	20.03	20.06	19.81			
100	PI2 BPSK	135	0	19.96	20.12	19.81	21.2	0.0	
100	PI2 BPSK	135	69	19.96	20.12	19.82	21.2	0.0	
100	PI2 BPSK	135	135	19.96	20.12	19.83	21.2	0.0	
100	PI2 BPSK	270	0	20.02	20.06	19.84			
100	QPSK	1	1	19.97	20.15	19.92			
100	QPSK	1	137	19.92	20.14	19.91	21.2	0.0	
100	QPSK	1	271	19.90	20.03	19.82			
100	QPSK	135	0	20.03	20.06	19.85		0.0	
100	QPSK	135	69	19.99	20.03	19.82	21.2	0.0	
100	QPSK	135	135	19.99	20.05	19.86	21.2	0.0	
100	QPSK	270	0	20.02	20.03	19.93			
100	16QAM	1	1	20.02	20.13	19.85	21.2	0.0	
100	64QAM	1	1	18.97	20.13	19.89	21.2	0.0	
100	256QAM	1	1	18.89	19.82	19.72	19.7	1.5	
Channel				649666	649000	649332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3934.98	(dB)		
90	QPSK	1	1	20.07	19.89	19.78	21.2	0.0	
Channel				649334	649000	649666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	(dB)		
80	QPSK	1	1	20.14	19.99	19.88	21.2	0.0	
Channel				649000	649000	649000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dB)		
70	QPSK	1	1	20.07	19.92	19.90	21.2	0.0	
Channel				648666	649000	649332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	(dB)		
60	QPSK	1	1	20.08	19.83	19.80	21.2	0.0	
Channel				648334	649000	649666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.98	(dB)		
50	QPSK	1	1	20.06	19.82	19.80	21.2	0.0	
Channel				648000	649000	649000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dB)		
40	QPSK	1	1	20.10	19.87	19.84	21.2	0.0	
Channel				647666	649000	649332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	(dB)		
30	QPSK	1	1	20.13	19.88	19.80	21.2	0.0	
Channel				647500	649000	649000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dB)		
25	QPSK	1	1	20.14	19.82	19.79	21.2	0.0	
Channel				647334	649000	649666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	(dB)		
20	QPSK	1	1	20.09	19.83	19.80	21.2	0.0	
Channel				647166	649000	649332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	(dB)		
15	QPSK	1	1	20.13	19.91	19.87	21.2	0.0	
Channel				647000	649000	649000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dB)		
10	QPSK	1	1	20.03	19.85	19.82	21.2	0.0	

Part27Q_n77_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98		24.2	0.0	
100	PI2 BPSK	1	1	23.27					
100	PI2 BPSK	1	137	22.94					
100	PI2 BPSK	1	271	23.05					
100	PI2 BPSK	135	0	22.60			23.7	0.5	
100	PI2 BPSK	135	69	22.96			24.2	0.0	
100	PI2 BPSK	135	135	22.43			23.7	0.5	
100	PI2 BPSK	270	0	22.48			24.2	0.0	
100	QPSK	1	1	23.38					
100	QPSK	1	137	22.91					
100	QPSK	1	271	22.97					
100	QPSK	135	0	22.02			23.2	1.0	
100	QPSK	135	69	22.93			24.2	0.0	
100	QPSK	135	135	21.88			23.2	1.0	
100	QPSK	270	0	22.08			23.2	1.0	
100	16QAM	1	1	22.73					
100	64QAM	1	1	21.41					
100	256QAM	1	1	19.21					
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	23.37	23.26	23.30	24.2	0.0	
Channel				630968	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	23.37	23.35	23.33	24.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3486.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	23.33	23.34	23.36	24.2	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dBm)	(dB)	
60	QPSK	1	1	23.30	23.36	23.27	24.2	0.0	
Channel				631666	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3520.98	(dBm)	(dB)	
50	QPSK	1	1	23.31	23.26	23.37	24.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3524.98	(dBm)	(dB)	
40	QPSK	1	1	23.31	23.35	23.28	24.2	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465.01	3499.98	3529.98	(dBm)	(dB)	
30	QPSK	1	1	23.29	23.24	23.23	24.2	0.0	
Channel				630664	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3462.01	3499.98	3537.48	(dBm)	(dB)	
25	QPSK	1	1	23.24	23.30	23.28	24.2	0.0	
Channel				630968	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	23.34	23.34	23.30	24.2	0.0	
Channel				630000	633332	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.46	(dBm)	(dB)	
15	QPSK	1	1	23.30	23.30	23.24	24.2	0.0	
Channel				3465.51	3499.98	3544.98	Tune-up limit	MPR	
Frequency (MHz)				23.24	23.30	23.37	(dBm)	(dB)	
10	QPSK	1	1	23.24	23.30	23.37	24.2	0.0	

Part27O_n77_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	660000	660000	24.2	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.88	23.06	22.71			
100	PI2 BPSK	1	137	22.44	22.74	22.39			
100	PI2 BPSK	1	271	22.88	22.80	22.40			
100	PI2 BPSK	135	0	22.13	22.36	22.06	23.7	0.5	
100	PI2 BPSK	135	69	22.01	22.69	22.35	24.2	0.0	
100	PI2 BPSK	135	135	21.05	22.11	21.75	23.7	0.5	
100	PI2 BPSK	270	0	22.02	22.18	21.87	24.2	0.0	
100	QPSK	1	1	22.85	23.08	22.10			
100	QPSK	1	137	22.38	22.68	22.34			
100	QPSK	1	271	22.57	22.69	22.37			
100	QPSK	135	0	21.49	21.84	21.36	23.2	1.0	
100	QPSK	135	69	22.05	22.67	22.05	24.2	0.0	
100	QPSK	135	135	21.49	21.60	21.40	23.2	1.0	
100	QPSK	270	0	21.65	21.84	21.51	23.2	1.0	
100	16QAM	1	1	22.20	22.45	21.99			
100	64QAM	1	1	20.86	20.88	20.81			
100	256QAM	1	1	18.75	18.86	18.62			
Channel				649668	656000	662332	Tune-up limit	MPR	
Frequency (MHz)				3748.02	3840	3934.98	(dBm)	(dB)	
80	QPSK	1	1	23.03	22.77	22.59	24.2	0.0	
Channel				649334	656000	662666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.98	(dBm)	(dB)	
80	QPSK	1	1	23.01	22.82	22.64	24.2	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	23.03	22.83	22.69	24.2	0.0	
Channel				648666	656000	663332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	23.06	22.79	22.69	24.2	0.0	
Channel				648334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)	(dB)	
50	QPSK	1	1	22.96	22.75	22.69	24.2	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	23.01	22.80	22.67	24.2	0.0	
Channel				647668	656000	664332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	23.00	22.57	22.62	24.2	0.0	
Channel				647330	656000	664666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.98	(dBm)	(dB)	
20	QPSK	1	1	22.89	22.82	22.65	24.2	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)	
15	QPSK	1	1	23.03	22.86	22.58	24.2	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	22.96	22.78	22.59	24.2	0.0	

Part27Q_n78_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	24.00	3499.98	3533.32	25.2	0.0	
100	P12 BPSK	1	137	23.95					
100	P12 BPSK	1	271	24.00					
100	P12 BPSK	135	0	24.00					
100	P12 BPSK	135	69	23.97			25.2	0.0	
100	P12 BPSK	135	135	23.98			25.2	0.0	
100	P12 BPSK	270	0	24.02					
100	QPSK	1	1	23.99					
100	QPSK	1	137	23.98					
100	QPSK	1	271	24.06			25.2	0.0	
100	QPSK	135	0	23.99			25.2	0.0	
100	QPSK	135	69	24.06			25.2	0.0	
100	QPSK	135	135	24.01					
100	QPSK	270	0	24.03					
100	16QAM	1	1	24.03			25.2	0.0	
100	64QAM	1	1	24.07			25.2	0.0	
100	256QAM	1	1	22.14			25.2	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3499.98	3533.32	3540.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	24.04	23.95	24.04	25.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3485.01	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	24.01	24.08	23.99	25.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63345	63377	63409	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	23.94	24.03	23.99	25.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3479.02	3499.98	3520	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	24.08	23.98	23.98	25.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3497.99	3533.32	3544.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	24.02	23.95	24.00	25.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63332	63566	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3497.99	3533.32	3544.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.97	23.99	23.94	25.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63084	63332	63582	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3462.51	3499.98	3537.48	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	24.01	24.00	24.02	25.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63050	63332	63570	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.96	24.02	24.07	25.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3467.5	3499.98	3542.48	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.96	23.97	23.99	25.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63034	63332	63632	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3465.51	3499.98	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.08	24.02	23.99	25.2	0.0	

Part27Q_n78_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	24.10			25.2	0.0	
100	P12 BPSK	1	137	24.01					
100	P12 BPSK	1	271	24.05					
100	P12 BPSK	135	0	24.09					
100	P12 BPSK	135	69	23.99			25.2	0.0	
100	P12 BPSK	135	135	24.00			25.2	0.0	
100	P12 BPSK	270	0	24.15					
100	QPSK	1	1	24.21					
100	QPSK	1	137	24.01					
100	QPSK	1	271	24.15			25.2	0.0	
100	QPSK	135	0	24.00			25.2	0.0	
100	QPSK	135	69	24.17			25.2	0.0	
100	QPSK	135	135	24.13					
100	QPSK	270	0	24.11					
100	16QAM	1	1	24.14			25.2	0.0	
100	64QAM	1	1	24.17			25.2	0.0	
100	256QAM	1	1	22.17			25.2	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.10	24.17	24.08	25.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.01	3750	3754.98	25.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.11	24.08	24.09	25.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.11	24.14	24.11	25.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.06	24.16	24.10	25.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.18	24.09	24.18	25.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.19	24.07	24.08	25.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.09	24.10	24.17	25.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.20	24.13	24.17	25.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.17	24.15	24.19	25.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.09	24.18	24.14	25.2	0.0	

Part27Q_n78_Ant 10 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1		3499.98		27.7	0.0	
100	P12 BPSK	1	137		26.29				
100	P12 BPSK	1	271		26.27				
100	P12 BPSK	135	0		26.34				
100	P12 BPSK	135	69		25.84		27.2	0.5	
100	P12 BPSK	135	135		26.25		27.7	0.0	
100	P12 BPSK	270	0		25.79		27.2	0.5	
100	QPSK	1	1		25.45		27.7	0.0	
100	QPSK	1	137		26.19				
100	QPSK	1	271		26.33				
100	QPSK	135	0		25.31		26.7	1.0	
100	QPSK	135	69		26.07		27.7	0.0	
100	QPSK	135	135		25.10		26.7	1.0	
100	QPSK	270	0		25.79				
100	16QAM	1	1		25.86				
100	64QAM	1	1		24.41		25.2	2.5	
100	256QAM	1	1		22.17		25.2	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.32	26.32	26.40	27.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.68	3499.98	3534.00	27.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.98	3499.98	3541.00	27.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	27.24	3499.98	3551.99	27.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	28.42	26.37	26.37	27.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	28.82	3499.98	3525	27.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.38	26.30	26.37	27.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.34	3499.98	3542.45	27.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.40	3499.98	3544.98	27.7	0.0	

Part270_n78_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		22.12		23.4	0.0	
100	PI2 BPSK	1	137		22.24				
100	PI2 BPSK	1	271		22.19				
100	PI2 BPSK	135	0		22.23				
100	PI2 BPSK	135	69		22.24		23.4	0.0	
100	PI2 BPSK	135	135		22.16		23.4	0.0	
100	PI2 BPSK	270	0		22.24		23.4	0.0	
100	QPSK	1	1		22.35		23.4	0.0	
100	QPSK	1	137		22.26				
100	QPSK	1	271		22.25				
100	QPSK	135	0		22.18				
100	QPSK	135	69		22.27		23.4	0.0	
100	QPSK	135	135		22.17		23.4	0.0	
100	QPSK	270	0		22.23		23.4	0.0	
100	16QAM	1	1		22.18		23.4	0.0	
100	16QAM	1	1		22.15		23.4	0.0	
100	256QAM	1	1		21.41		21.9	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	849668	850000	850332	Tune-up limit (dBm)	MPR	(dB)
				3745.02	3750	3754.98	(dBm)		
Channel									
Frequency (MHz)									
80	QPSK	1	1	849334	850000	850666	Tune-up limit (dBm)	MPR	(dB)
				3740.01	3750	3759.99	(dBm)		
Channel									
Frequency (MHz)									
70	QPSK	1	1	849000	850000	851000	Tune-up limit (dBm)	MPR	(dB)
				3735	3750	3765	(dBm)		
Channel									
Frequency (MHz)									
60	QPSK	1	1	848666	850000	852332	Tune-up limit (dBm)	MPR	(dB)
				3730.02	3750	3769.98	(dBm)		
Channel									
Frequency (MHz)									
50	QPSK	1	1	848332	850000	851666	Tune-up limit (dBm)	MPR	(dB)
				3725.01	3750	3774.99	(dBm)		
Channel									
Frequency (MHz)									
40	QPSK	1	1	848000	850000	852000	Tune-up limit (dBm)	MPR	(dB)
				3720	3750	3780	(dBm)		
Channel									
Frequency (MHz)									
30	QPSK	1	1	847668	850000	852332	Tune-up limit (dBm)	MPR	(dB)
				3715.02	3750	3784.98	(dBm)		
Channel									
Frequency (MHz)									
25	QPSK	1	1	847500	850000	852500	Tune-up limit (dBm)	MPR	(dB)
				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1	847300	850000	852300	Tune-up limit (dBm)	MPR	(dB)
				847334	850000	852666	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	847100	850000	852100	Tune-up limit (dBm)	MPR	(dB)
				847138	850000	852266	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	846868	850000	852868	Tune-up limit (dBm)	MPR	(dB)
				846833	850000	852933	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	846700	850000	853000	Tune-up limit (dBm)	MPR	(dB)
				846735	850000	853065	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	846533	850000	853467	Tune-up limit (dBm)	MPR	(dB)
				846568	850000	853432	Tune-up limit (dBm)	MPR	(dB)

Part27Q_n78_Ant 13 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		25.63		27.2	0.0	
100	PI2 BPSK	1	137		25.33				
100	PI2 BPSK	1	271		25.57				
100	PI2 BPSK	135	0		24.96				
100	PI2 BPSK	135	69		25.39		26.7	0.5	
100	PI2 BPSK	135	135		24.91		26.7	0.5	
100	PI2 BPSK	270	0		24.88				
100	QPSK	1	1		25.70		27.2	0.0	
100	QPSK	1	137		25.30				
100	QPSK	1	271		25.59				
100	QPSK	135	0		25.42				
100	QPSK	135	69		25.50		26.2	1.0	
100	QPSK	135	135		24.96		26.2	1.0	
100	QPSK	270	0		24.98				
100	16QAM	1	1		25.08		26.2	1.0	
100	64QAM	1	1		24.95		26.7	2.5	
100	256QAM	1	1		21.49		22.7	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	(dB)
				3435	3459.98	3504.99	(dBm)		
Channel									
Frequency (MHz)									
80	QPSK	1	1	632666	633332	634000	Tune-up limit (dBm)	MPR	(dB)
				3430.02	3459.98	3510	(dBm)		
Channel									
Frequency (MHz)									
70	QPSK	1	1	632332	633332	634332	Tune-up limit (dBm)	MPR	(dB)
				3425.01	3459.98	3514.98	(dBm)		
Channel									
Frequency (MHz)									
60	QPSK	1	1	631998	633332	634666	Tune-up limit (dBm)	MPR	(dB)
				3420.02	3459.98	3519.99	(dBm)		
Channel									
Frequency (MHz)									
50	QPSK	1	1	631664	633332	635000	Tune-up limit (dBm)	MPR	(dB)
				3415.02	3459.98	3525	(dBm)		
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR	(dB)
				3410.01	3459.98	3529.98	(dBm)		
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR	(dB)
				3405.02	3459.98	3534.99	(dBm)		
Channel									
Frequency (MHz)									
20	QPSK	1	1	630666	633332	636000	Tune-up limit (dBm)	MPR	(dB)
				3400.02	3459.98	3540	(dBm)		
Channel									
Frequency (MHz)									
15	QPSK	1	1	630332	633332	636332	Tune-up limit (dBm)	MPR	(dB)
				3395.01	3459.98	3544.98	(dBm)		
Channel									
Frequency (MHz)									
10	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR	(dB)
				3390.01	3459.98	3549.98	(dBm)		

Part270_n78_Ant 13 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	25.82	66000		27.2	0.0	
100	P12 BPSK	1	137	25.29					
100	P12 BPSK	1	271	25.54					
100	P12 BPSK	135	0	24.83		26.7			
100	P12 BPSK	135	69	25.34		27.2	0.0	0.0	
100	P12 BPSK	135	135	24.84		26.7			
100	P12 BPSK	270	0	24.88					
100	QPSK	1	1	25.63					
100	QPSK	1	137	25.28			27.2	0.0	
100	QPSK	1	271	25.55					
100	QPSK	135	0	25.36		26.2			
100	QPSK	135	69	25.37		27.2			
100	QPSK	135	135	24.28		26.2	1.0	0.0	
100	QPSK	270	0	24.22					
100	16QAM	1	1	25.03		26.2			
100	16QAM	1	1	23.62		24.7			
100	256QAM	1	1	21.41		22.7	4.5		
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.61	66000	66032	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.61	66000	66096	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.61	66000	66160	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.61	66000	66224	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.61	66000	66288	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.61	66000	66352	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.61	66000	66416	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.61	66000	66480	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.61	66000	66544	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.61	66000	66608	Tune-up limit (dBm)	MPR (dB)	

Part27Q_n78_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	20.94	635332		21.7	0.0	
100	P12 BPSK	1	137	21.02					
100	P12 BPSK	1	271	20.94					
100	P12 BPSK	135	0	20.99		21.7			
100	P12 BPSK	135	69	20.96		21.7	0.0	0.0	
100	P12 BPSK	135	135	21.00		21.7			
100	P12 BPSK	270	0	20.96		21.7			
100	QPSK	1	1	21.04					
100	QPSK	1	137	20.96			21.7	0.0	
100	QPSK	1	271	21.00					
100	QPSK	135	0	20.96		21.7			
100	QPSK	135	69	21.00		21.7			
100	QPSK	135	135	20.96		21.7	0.0	0.0	
100	QPSK	270	0	20.98		21.7			
100	16QAM	1	1	20.95		21.7			
100	16QAM	1	1	20.96		21.7			
100	256QAM	1	1	19.76		20.7	1.0		
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.91	635332	633666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.93	635332	634000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.00	635332	634350	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.97	635332	633500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.90	635332	633825	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.95	635332	633900	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.88	635332	635100	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.90	635332	636000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.91	635332	636100	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.90	635332	636300	Tune-up limit (dBm)	MPR (dB)	

Part270_n78_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		20.65				
100	PI2 BPSK	1	137		20.70		21.7	0.0	
100	PI2 BPSK	1	271		20.73				
100	PI2 BPSK	135	0		20.70		21.7	0.0	
100	PI2 BPSK	135	69		20.66		21.7	0.0	
100	PI2 BPSK	135	138		20.69				
100	PI2 BPSK	270	0		20.67		21.7	0.0	
100	QPSK	1	1		20.74				
100	QPSK	1	137		20.66		21.7	0.0	
100	QPSK	1	271		20.68				
100	QPSK	135	0		20.66		21.7	0.0	
100	QPSK	135	69		20.73		21.7	0.0	
100	QPSK	135	138		20.70				
100	QPSK	270	0		20.70		21.7	0.0	
100	16QAM	1	1		20.64		21.7	0.0	
100	16QAM	1	1		20.70		21.7	0.0	
100	256QAM	1	1		19.58		20.7	1.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR	
				3745.02	3750	3754.98	(dB)	(dB)	
90	QPSK	1	1	23.69	23.72	23.61	21.7	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR	
				3740.01	3750	3759.99	(dB)	(dB)	
80	QPSK	1	1	23.67	23.73	23.69	21.7	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR	
				3735	3750	3765	(dB)	(dB)	
70	QPSK	1	1	20.61	20.70	20.72	21.7	0.0	
Channel									
Frequency (MHz)				648668	650000	651332	Tune-up limit (dBm)	MPR	
				3730.02	3750	3769.98	(dB)	(dB)	
60	QPSK	1	1	20.65	20.66	20.72	21.7	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR	
				3725.01	3750	3774.99	(dB)	(dB)	
50	QPSK	1	1	20.63	20.64	20.62	21.7	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3750	3780	(dB)	(dB)	
40	QPSK	1	1	20.60	20.61	20.61	21.7	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR	
				3715.02	3750	3784.98	(dB)	(dB)	
30	QPSK	1	1	20.71	20.69	20.59	21.7	0.0	
Channel									
Frequency (MHz)				647000	650000	652666	Tune-up limit (dBm)	MPR	
				3712.5	3750	3787.5	(dB)	(dB)	
25	QPSK	1	1	20.64	20.61	20.60	21.7	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR	
				3710.01	3750	3789.99	(dB)	(dB)	
20	QPSK	1	1	20.73	20.70	20.73	21.7	0.0	
Channel									
Frequency (MHz)				647165	650000	652932	Tune-up limit (dBm)	MPR	
				3707.52	3750	3792.48	(dB)	(dB)	
15	QPSK	1	1	20.62	20.69	20.72	21.7	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
				3705	3750	3795	(dB)	(dB)	
10	QPSK	1	1	20.71	20.71	20.71	21.7	0.0	

Part27Q_n78_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332	633332				
100	PI2 BPSK	1	1		23.25				
100	PI2 BPSK	1	137		22.87		24.2	0.0	
100	PI2 BPSK	1	271		23.31				
100	PI2 BPSK	135	0		22.89		24.2	0.0	
100	PI2 BPSK	135	69		22.73		24.2	0.0	
100	PI2 BPSK	135	138		22.37				
100	PI2 BPSK	270	0		22.95		24.2	0.0	
100	QPSK	1	1		23.44				
100	QPSK	1	137		22.91		24.2	0.0	
100	QPSK	1	271		23.19				
100	QPSK	135	0		22.40		24.2	0.0	
100	QPSK	135	69		22.71		24.2	0.0	
100	QPSK	135	138		22.56				
100	QPSK	270	0		22.31		24.2	0.0	
100	16QAM	1	1		23.32		24.2	0.0	
100	64QAM	1	1		21.68		22.7	1.5	
100	256QAM	1	1		19.77		20.7	3.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
				3495	3499.98	3504.99	(dB)	(dB)	
90	QPSK	1	1	23.33	23.29	23.12	24.2	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
				3490.02	3499.98	3510	(dB)	(dB)	
80	QPSK	1	1	23.32	23.40	23.32	24.2	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	
				3485.01	3499.98	3514.98	(dB)	(dB)	
70	QPSK	1	1	23.29	23.40	23.38	24.2	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
				3480	3499.98	3519.99	(dB)	(dB)	
60	QPSK	1	1	23.36	23.41	23.40	24.2	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
				3475.02	3499.98	3505	(dB)	(dB)	
50	QPSK	1	1	23.37	23.34	23.40	24.2	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3470.01	3499.98	3524.99	(dB)	(dB)	
40	QPSK	1	1	23.41	23.37	23.39	24.2	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3499.98	3534.99	(dB)	(dB)	
30	QPSK	1	1	23.33	23.41	23.37	24.2	0.0	
Channel									
Frequency (MHz)				630664	633332	635832	Tune-up limit (dBm)	MPR	
				3462.51	3499.98	3537.48	(dB)	(dB)	
25	QPSK	1	1	23.32	23.43	23.33	24.2	0.0	
Channel									
Frequency (MHz)				630338	633332	636000	Tune-up limit (dBm)	MPR	
				3460.02	3499.98	3540	(dB)	(dB)	
20	QPSK	1	1	23.36	23.37	23.41	24.2	0.0	
Channel									
Frequency (MHz)				630000	633332	636166	Tune-up limit (dBm)	MPR	
				3457.5	3499.98	3542.49	(dB)	(dB)	
15	QPSK	1	1	23.33	23.37	23.36	24.2	0.0	
Channel									
Frequency (MHz)				629334	633332	636332	Tune-up limit (dBm)	MPR	
				3455.01	3499.98	3544.98	(dB)	(dB)	
10	QPSK	1	1	23.30	23.39	23.33	24.2	0.0	

Part27Q_n78_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1		23.17		24.2	0.0	
100	Pl2 BPSK	1	137		22.82				
100	Pl2 BPSK	1	271		23.18				
100	Pl2 BPSK	135	0		22.84		24.2	0.0	
100	Pl2 BPSK	135	69		22.58		24.2	0.0	
100	Pl2 BPSK	135	138		22.54		24.2	0.0	
100	Pl2 BPSK	270	0		22.85		24.2	0.0	
100	QPSK	1	1		23.25		24.2	0.0	
100	QPSK	1	137		22.83				
100	QPSK	1	271		23.18				
100	QPSK	135	0		22.30		24.2	0.0	
100	QPSK	135	69		22.67		24.2	0.0	
100	QPSK	135	138		22.39		24.2	0.0	
100	QPSK	270	0		22.35		24.2	0.0	
100	16QAM	1	1		23.13		24.2	0.0	
100	16QAM	1	1		21.86	22.56	22.7	1.5	
100	256QAM	1	1		18.60	19.60	20.7	3.5	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR	
				3748.02	3750	3754.98	(dB)		
90	QPSK	1	1	23.17	23.13	23.07	24.2	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR	
				3740.01	3750	3759.99	(dB)		
80	QPSK	1	1	23.18	23.19	23.14	24.2	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR	
				3735	3750	3765	(dB)		
70	QPSK	1	1	23.05	23.07	23.15	24.2	0.0	
Channel									
Frequency (MHz)				647302	647350	647398	Tune-up limit (dBm)	MPR	
				23.09	23.09	23.19	24.2	0.0	
60	QPSK	1	1	23.09	23.09	23.19	24.2	0.0	
Channel									
Frequency (MHz)				646934	650000	653066	Tune-up limit (dBm)	MPR	
				3725.01	3750	3774.99	(dB)		
50	QPSK	1	1	23.08	23.13	23.12	24.2	0.0	
Channel									
Frequency (MHz)				646000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3750	3780	(dB)		
40	QPSK	1	1	23.05	23.11	23.10	24.2	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR	
				3718.02	3750	3784.98	(dB)		
30	QPSK	1	1	23.05	23.15	23.15	24.2	0.0	
Channel									
Frequency (MHz)				647000	650000	652600	Tune-up limit (dBm)	MPR	
				3712.5	3750	3787.5	(dB)		
25	QPSK	1	1	23.12	23.09	23.05	24.2	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR	
				3710.01	3750	3789.99	(dB)		
20	QPSK	1	1	23.05	23.15	23.11	24.2	0.0	
Channel									
Frequency (MHz)				646115	650000	652935	Tune-up limit (dBm)	MPR	
				3707.52	3750	3792.48	(dB)		
15	QPSK	1	1	23.10	23.18	23.06	24.2	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
				3705	3750	3795	(dB)		
10	QPSK	1	1	23.08	23.05	23.09	24.2	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332					
100	Pl2 BPSK	1	1		20.75		21.7	0.0	
100	Pl2 BPSK	1	137		20.84				
100	Pl2 BPSK	1	271		20.72				
100	Pl2 BPSK	135	0		20.85		21.7	0.0	
100	Pl2 BPSK	135	69		20.79		21.7	0.0	
100	Pl2 BPSK	135	138		20.75		21.7	0.0	
100	Pl2 BPSK	270	0		20.80		21.7	0.0	
100	QPSK	1	1		20.88		21.7	0.0	
100	QPSK	1	137		20.77				
100	QPSK	1	271		20.82				
100	QPSK	135	0		20.73		21.7	0.0	
100	QPSK	135	69		20.63		21.7	0.0	
100	QPSK	135	138		20.76		21.7	0.0	
100	QPSK	270	0		20.85		21.7	0.0	
100	16QAM	1	1		20.81		21.7	0.0	
100	64QAM	1	1		20.74		21.7	0.0	
100	256QAM	1	1		18.97		19.7	2.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
				3495	3499.98	3504.99	(dB)		
90	QPSK	1	1	20.87	20.85	20.75	21.7	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
				3490.02	3499.98	3510	(dB)		
80	QPSK	1	1	20.78	20.83	20.76	21.7	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	
				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	20.78	20.79	20.79	21.7	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
				3480	3499.98	3519.99	(dB)		
60	QPSK	1	1	20.86	20.80	20.73	21.7	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
				3475.02	3499.98	3505	(dB)		
50	QPSK	1	1	20.75	20.83	20.81	21.7	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3470.01	3499.98	3524.99	(dB)		
40	QPSK	1	1	20.81	20.85	20.74	21.7	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3499.98	3524.99	(dB)		
30	QPSK	1	1	20.84	20.79	20.82	21.7	0.0	
Channel									
Frequency (MHz)				630664	633332	635832	Tune-up limit (dBm)	MPR	
				3462.51	3499.98	3537.48	(dB)		
25	QPSK	1	1	20.74	20.79	20.82	21.7	0.0	
Channel									
Frequency (MHz)				630338	633332	636000	Tune-up limit (dBm)	MPR	
				3460.02	3499.98	3540	(dB)		
20	QPSK	1	1	20.81	20.79	20.79	21.7	0.0	
Channel									
Frequency (MHz)				630000	633332	636332	Tune-up limit (dBm)	MPR	
				3457.5	3499.98	3542.49	(dB)		
15	QPSK	1	1	20.78	20.73	20.83	21.7	0.0	
Channel									
Frequency (MHz)				629554	633332	636552	Tune-up limit (dBm)	MPR	
				3455.01	3499.98	3544.98	(dB)		
10	QPSK	1	1	20.73	20.85	20.82	21.7	0.0	

Part27O_n78_Ant 12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		20.66		21.7	0.0	
100	PI2 BPSK	1	137		20.56				
100	PI2 BPSK	1	271		20.65				
100	PI2 BPSK	135	0		20.58		21.7	0.0	
100	PI2 BPSK	135	69		20.62		21.7	0.0	
100	PI2 BPSK	135	138		20.62				
100	PI2 BPSK	270	0		20.59		21.7	0.0	
100	QPSK	1	1		20.68		21.7	0.0	
100	QPSK	1	137		20.64				
100	QPSK	1	271		20.57				
100	QPSK	135	0		20.58		21.7	0.0	
100	QPSK	135	69		20.61		21.7	0.0	
100	QPSK	135	138		20.54				
100	QPSK	270	0		20.52		21.7	0.0	
100	16QAM	1	1		20.67		21.7	0.0	
100	16QAM	1	1		20.58		21.7	0.0	
100	256QAM	1	1		18.90		18.7	2.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR	
				3745.02	3750	3754.98	(dB)		
90	QPSK	1	1	23.04	23.59	23.61	21.7	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR	
				3740.01	3750	3759.99	(dB)		
80	QPSK	1	1	23.53	20.69	23.59	21.7	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR	
				3735	3750	3765	(dB)		
70	QPSK	1	1	20.64	20.55	20.57	21.7	0.0	
Channel									
Frequency (MHz)				649302	3750	3769.98	(dB)		
				20.61	20.67	20.69	21.7	0.0	
60	QPSK	1	1	20.61	20.67	20.69	21.7	0.0	
Channel									
Frequency (MHz)				649334	650000	651666	Tune-up limit (dBm)	MPR	
				3725.01	3750	3774.99	(dB)		
50	QPSK	1	1	20.62	20.56	20.59	21.7	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3750	3780	(dB)		
40	QPSK	1	1	20.55	20.60	20.63	21.7	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR	
				3715.02	3750	3774.98	(dB)		
30	QPSK	1	1	20.63	20.66	20.57	21.7	0.0	
Channel									
Frequency (MHz)				647000	650000	652666	Tune-up limit (dBm)	MPR	
				3712.5	3750	3787.5	(dB)		
25	QPSK	1	1	20.60	20.61	20.65	21.7	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR	
				3710.01	3750	3789.99	(dB)		
20	QPSK	1	1	20.57	20.65	20.54	21.7	0.0	
Channel									
Frequency (MHz)				647115	650000	652932	Tune-up limit (dBm)	MPR	
				3707.52	3750	3792.48	(dB)		
15	QPSK	1	1	20.56	20.56	20.66	21.7	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
				3705	3750	3795	(dB)		
10	QPSK	1	1	20.61	20.59	20.66	21.7	0.0	

Part27Q_n78_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Channel	Power Channel	Power Channel	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332	3469.98				
100	PI2 BPSK	1	1		23.09		24.2	0.0	
100	PI2 BPSK	1	137		23.00				
100	PI2 BPSK	1	271		22.90				
100	PI2 BPSK	135	0		22.36		23.7	0.0	
100	PI2 BPSK	135	69		22.80		24.2	0.0	
100	PI2 BPSK	135	138		22.38				
100	PI2 BPSK	270	0		22.22		23.7	0.0	
100	QPSK	1	1		23.12		24.2	0.0	
100	QPSK	1	137		22.74				
100	QPSK	1	271		22.85				
100	QPSK	135	0		21.79		23.2	1.0	
100	QPSK	135	69		22.84		24.2	0.0	
100	QPSK	135	138		21.83				
100	QPSK	270	0		21.77		23.2	1.0	
100	16QAM	1	1		22.50		23.2	1.0	
100	16QAM	1	1		21.00		21.7	2.0	
100	256QAM	1	1		18.04		18.7	4.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
				3450	3469.98	3504.99	(dB)		
90	QPSK	1	1	22.87	23.11	22.87	24.2	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
				3450.02	3469.98	3510	(dB)		
80	QPSK	1	1	23.08	23.01	23.10	24.2	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	
				3445.01	3469.98	3514.98	(dB)		
70	QPSK	1	1	23.01	23.11	22.97	24.2	0.0	
Channel									
Frequency (MHz)				632000	3460	3519.99	(dB)		
				22.99	23.06	23.11	24.2	0.0	
60	QPSK	1	1	22.99	23.03	23.00	24.2	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
				3451.02	3469.98	3505	(dB)		
50	QPSK	1	1	22.99	23.03	23.00	24.2	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3450.03	3469.98	3524.98	(dB)		
40	QPSK	1	1	23.10	23.08	23.02	24.2	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3450	3469.98	3524.99	(dB)		
30	QPSK	1	1	23.02	23.11	22.98	24.2	0.0	
Channel									
Frequency (MHz)				630664	633332	635832	Tune-up limit (dBm)	MPR	
				3452.51	3469.98	3537.48	(dB)		
25	QPSK	1	1	23.01	23.04	23.08	24.2	0.0	
Channel									
Frequency (MHz)				630338	633332	636000	Tune-up limit (dBm)	MPR	
				3450.02	3469.98	3540	(dB)		
20	QPSK	1	1	22.98	23.09	22.97	24.2	0.0	
Channel									
Frequency (MHz)				630000	633332	636166	Tune-up limit (dBm)	MPR	
				3450.5	3469.98	3542.49	(dB)		
15	QPSK	1	1	23.11	23.09	23.07	24.2	0.0	
Channel									
Frequency (MHz)				629534	633332	636332	Tune-up limit (dBm)	MPR	
				3455.03	3469.98	3544.98	(dB)		
10	QPSK	1	1	23.05	23.04	23.11	24.2	0.0	

Part27O_n78_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750	24.2	0.0	
Frequency (MHz)						23.02			
100	PI2 BPSK	1	1			22.80			
100	PI2 BPSK	1	137			22.66			
100	PI2 BPSK	1	271			22.34			
100	PI2 BPSK	135	0			22.71			
100	PI2 BPSK	135	135			22.15	23.7	0.5	
100	PI2 BPSK	270	0			22.10			
100	QPSK	1	1			23.07	24.2	0.0	
100	QPSK	1	137			22.80			
100	QPSK	1	271			22.72			
100	QPSK	135	0			21.81			
100	QPSK	135	69			22.81			
100	QPSK	135	135			21.77			
100	QPSK	270	0			21.00	23.2	1.0	
100	16QAM	1	1			22.50			
100	64QAM	1	1			20.89	21.7	2.5	
100	256QAM	1	1			19.02			
Channel				648668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
80	QPSK	1	1	22.07	22.98	23.00	24.2	0.0	
Channel				648334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1	22.02	22.94	23.05	24.2	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1	22.96	22.94	22.95	24.2	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	QPSK	1	1	22.98	22.97	22.94	24.2	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3735.01	3750	3764.99	(dBm)		
50	QPSK	1	1	22.93	22.98	23.00	24.2	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3730	3750	3760	(dBm)		
40	QPSK	1	1	23.03	22.94	22.92	24.2	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3764.98	(dBm)		
30	QPSK	1	1	23.00	22.97	23.01	24.2	0.0	
Channel				647800	650000	652800	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1	22.95	22.92	23.07	24.2	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	QPSK	1	1	22.98	22.93	22.98	24.2	0.0	
Channel				647165	650000	652835	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		
15	QPSK	1	1	22.92	23.03	23.02	24.2	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1	22.96	23.04	23.05	24.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1880	1890			
Frequency (MHz)				374000	376000	378000			
40	PI2 BPSK	1	1	18.38	18.51	18.44	18.6	0.0	
40	PI2 BPSK	1	108	18.35	18.50	18.39			
40	PI2 BPSK	1	214	18.40	18.42	18.38			
40	PI2 BPSK	108	0	18.35	18.43	18.42			
40	PI2 BPSK	108	54	18.38	18.44	18.40	18.6	0.0	
40	PI2 BPSK	108	108	18.36	18.43	18.39			
40	PI2 BPSK	216	0	18.44	18.46	18.49			
40	QPSK	1	1	18.45	18.54	18.49			
40	QPSK	1	108	18.35	18.42	18.40	18.6	0.0	
40	QPSK	1	214	18.41	18.47	18.39			
40	QPSK	108	0	18.37	18.41	18.38			
40	QPSK	108	54	18.43	18.45	18.40			
40	QPSK	108	108	18.38	18.35	18.38	18.6	0.0	
40	QPSK	216	0	18.37	18.40	18.38			
40	16QAM	1	1	18.44	18.36	18.37			
40	16QAM	1	1	18.34	18.46	18.38			
40	256QAM	1	1	18.42	18.53	18.40	18.6	0.0	
Channel				373500	376000	378500			
Frequency (MHz)				1867.5	1880	1892.5			
35	QPSK	1	1	18.32	18.53	18.43	18.6	0.0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895			
30	QPSK	1	1	18.42	18.46	18.38	18.6	0.0	
Channel				372500	376000	379500			
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	18.30	18.42	18.41	18.6	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	18.32	18.43	18.36	18.6	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	18.41	18.50	18.39	18.6	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	18.34	18.49	18.42	18.6	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	18.40	18.48	18.35	18.6		

Reduced Power Mode for DSI 5									
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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1880	1890			
Frequency (MHz)				374000	376000	378000			
40	PI2 BPSK	1	1	18.09	18.23	18.09	18.6	0.0	
40	PI2 BPSK	1	108	18.15	18.20	18.16			
40	PI2 BPSK	1	214	18.14	18.17	18.14			
40	PI2 BPSK	108	0	18.15	18.16	18.17			
40	PI2 BPSK	108	54	18.05	18.23	18.05	18.6	0.0	
40	PI2 BPSK	108	108	18.07	18.16	18.17			
40	PI2 BPSK	216	0	18.04	18.16	18.14			
40	QPSK	1	1	18.14	18.25	18.18			
40	QPSK	1	108	18.08	18.21	18.04	18.6	0.0	
40	QPSK	1	214	18.05	18.23	18.08			
40	QPSK	108	0	18.02	18.20	18.07			
40	QPSK	108	54	18.13	18.24	18.10			
40	QPSK	108	108	18.04	18.15	18.08	18.6	0.0	
40	QPSK	216	0	18.04	18.18	18.16			
40	16QAM	1	1	18.07	18.24	18.11			
40	16QAM	1	1	18.08	18.16	18.15			
40	256QAM	1	1	18.15	18.19	18.07	18.6	0.0	
Channel				373500	376000	378500			
Frequency (MHz)				1892.5	1900	1892.5			
35	QPSK	1	1	18.01	18.11	18.12	18.6	0.0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1865			
30	QPSK	1	1	18.07	18.22	18.16	18.6	0.0	
Channel				372500	376000	379500			
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	18.03	18.23	18.03	18.6	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1860 <td>1880</td> <td>1900</td>	1880	1900			
20	QPSK	1	1	18.10	18.18	18.08	18.6	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	18.10	18.11	18.13	18.6	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865 <td>1880</td> <td>1905</td>	1880	1905			
10	QPSK	1	1	18.06	18.14	18.11	18.6	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	18.08	18.21	18.15	18.6		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)									
40	PI2 BPSK	1	1	21.01	21.01	21.05	21.8	0.0	
40	PI2 BPSK	1	108	21.04	21.09	21.02			
40	PI2 BPSK	1	214	21.01	21.05	21.01			
40	PI2 BPSK	108	0	20.97	21.08	20.98			
40	PI2 BPSK	108	54	21.01	21.07	21.04	21.8	0.0	
40	PI2 BPSK	108	108	21.07	21.10	21.08			
40	PI2 BPSK	216	0	21.09	21.05	21.04			
40	QPSK	1	1	21.08	21.11	21.07			
40	QPSK	1	108	21.01	21.01	21.03	21.8	0.0	
40	QPSK	1	214	20.99	21.04	21.05			
40	QPSK	108	0	21.00	21.04	20.98			
40	QPSK	108	54	21.05	21.09	21.05			
40	QPSK	108	108	21.03	21.06	21.00	21.8	0.0	
40	QPSK	216	0	21.01	21.08	21.02			
40	16QAM	1	1	20.98	21.05	21.02			
40	16QAM	1	1	21.07	21.10	20.99			
40	256QAM	1	1	19.84	19.95	19.82	20.3	1.5	
Channel				373500	376000	378500			
Frequency (MHz)				1862.5	1880	1862.5			
35	QPSK	1	1	21.02	21.00	20.97	21.8	0.0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1865			
30	QPSK	1	1	20.96	21.00	20.96	21.8	0.0	
Channel				372500	376000	379500			
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	20.97	21.02	21.01	21.8	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	21.01	21.02	21.09	21.8	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	21.08	21.07	21.06	21.8	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	20.93	21.08	21.09	21.8	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1862.5 <th>1880</th> <th>1907.5</th>	1880	1907.5			
5	QPSK	1	1	21.05	21.05	21.03	21.4	0.0	
Channel				370000	376000	382000			
Frequency (MHz)				1860	1880	1910			

n2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1670	1680	1690	19.1	0.0	
Frequency (MHz)									
40	PI2 BPSK	1	1	18.05	18.01	18.04	19.1	0.0	
40	PI2 BPSK	1	108	18.03	18.02	18.02			
40	PI2 BPSK	1	214	18.04	18.03	17.99	19.1	0.0	
40	PI2 BPSK	108	0	18.04	18.00	17.98			
40	PI2 BPSK	108	54	18.04	18.05	18.03	19.1	0.0	
40	PI2 BPSK	108	108	18.02	18.02	17.98			
40	PI2 BPSK	216	0	18.06	18.11	17.96	19.1	0.0	
40	QPSK	1	1	18.05	18.15	18.05			
40	QPSK	1	108	17.96	18.01	18.01	19.1	0.0	
40	QPSK	1	214	18.03	18.03	17.96			
40	QPSK	108	0	17.96	18.04	17.94	19.1	0.0	
40	QPSK	108	54	17.95	18.07	17.95			
40	QPSK	108	108	17.90	18.01	17.93	19.1	0.0	
40	QPSK	216	0	17.99	18.02	17.94			
40	16QAM	1	1	18.06	18.09	18.02	19.1	0.0	
40	16QAM	1	1	18.07	18.13	18.06			
40	256QAM	1	1	18.08	18.05	18.02	19.1	0.0	
Channel				373500	376000	378500		MPR	
Frequency (MHz)				1697.5	1698	1692.5			
35	QPSK	1	1	17.90	18.02	17.94	19.1	0.0	
Channel				375000	376000	375000		MPR	
Frequency (MHz)				1665	1680	1695			
30	QPSK	1	1	17.97	18.02	17.90	19.1	0.0	
Channel				372500	376000	375000		MPR	
Frequency (MHz)				1662.5	1680	1697.5			
25	QPSK	1	1	17.92	18.02	17.96	19.1	0.0	
Channel				372000	376000	380000		MPR	
Frequency (MHz)				1664	1680	1696			
20	QPSK	1	1	17.98	18.13	17.84	19.1	0.0	
Channel				371500	376000	380500		MPR	
Frequency (MHz)				1637.5	1680	1692.5			
15	QPSK	1	1	18.01	18.14	17.81	19.1	0.0	
Channel				371000	376000	381000		MPR	
Frequency (MHz)				1665	1680	1695			
10	QPSK	1	1	17.95	18.11	17.86	19.1	0.0	
Channel				370500	376000	381500		MPR	
Frequency (MHz)				1652.5	1680	1697.5			
5	QPSK	1	1	17.91	18.10	18.02	19.1	0.0	
Channel									

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166600	167300	167600	25.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.02	24.09	23.96	25.0	0.0	
20	PI2 BPSK	1	53	24.01	24.06	23.91			
20	PI2 BPSK	1	104	24.01	24.05	23.91	24.5	0.5	
20	PI2 BPSK	50	0	23.81	23.89	23.85			
20	PI2 BPSK	50	28	23.97	24.09	23.97	24.5	0.0	
20	PI2 BPSK	50	56	23.82	23.84	23.75			
20	PI2 BPSK	100	0	23.76	23.84	23.73	24.5	0.5	
20	QPSK	1	1	24.01	24.11	24.01			
20	QPSK	1	53	23.90	23.97	23.85	25.0	0.0	
20	QPSK	1	104	23.91	24.01	23.89			
20	QPSK	50	0	23.76	23.89	23.68	24.0	1.0	
20	QPSK	50	28	23.92	24.04	23.95			
20	QPSK	50	56	23.79	23.85	23.84	24.0	1.0	
20	QPSK	100	0	23.72	23.75	23.68			
20	16QAM	1	1	23.81	23.72	23.71	24.0	1.0	
20	16QAM	1	1	23.31	23.32	22.99			
20	256QAM	1	1	20.22	20.28	20.21	20.5	4.5	
Channel				166300	167300	168300		MPR	
Frequency (MHz)				831.8	834.5	841.8			
15	QPSK	1	1	23.89	24.08	23.92	25.0	0.0	
Channel				166800	167300	166800		MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.85	24.05	23.89	25.0	0.0	
Channel				165300	167300	169300		MPR	
Frequency (MHz)				806.5	836.5	846.5			
5	QPSK	1	1	23.92	24.10	23.98	25.0	0.0	
Channel									

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166600	167300	167600	24.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.40	23.53	23.41	24.5	0.0	
20	PI2 BPSK	1	53	23.42	23.52	23.43			
20	PI2 BPSK	1	104	23.41	23.51	23.44	24.0	0.5	
20	PI2 BPSK	50	0	23.03	23.08	22.95			
20	PI2 BPSK	50	28	23.54	23.55	23.41	24.5	0.0	
20	PI2 BPSK	50	56	22.89	23.03	23.01			
20	PI2 BPSK	100	0	22.96	23.04	22.89	24.0	0.5	
20	QPSK	1	1	23.77	23.97	23.94			
20	QPSK	1	53	23.73	23.77	23.76	24.5	0.0	
20	QPSK	1	104	23.59	23.65	23.58			
20	QPSK	50	0	23.63	23.65	23.63	23.5	1.0	
20	QPSK	50	28	23.65	23.73	23.63			
20	QPSK	50	56	22.87	23.01	22.93	23.5	1.0	
20	QPSK	100	0	22.98	23.02	22.99			
20	16QAM	1	1	22.96	22.98	22.89	23.5	1.0	
20	16QAM	1	1	21.35	21.44	21.52			
20	256QAM	1	1	19.34	19.46	19.37	20.0	4.5	
Channel				166300	167300	168300		MPR	
Frequency (MHz)				831.8	834.5	841.8			
15	QPSK	1	1	23.84	23.75	23.77	24.5	0.0	
Channel				166800	167300	166800		MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.67	23.83	23.76	24.5	0.0	
Channel				165300	167300	169300		MPR	
Frequency (MHz)				806.5	836.5	846.5			
5	QPSK	1	1	23.76	23.82	23.78	24.5	0.0	
Channel									

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	510000			
Frequency (MHz)				2505	2535	2545			
50	PI2 BPSK	1	1	19.26	19.42	19.34	19.5	0.0	
50	PI2 BPSK	1	135	19.29	19.30	19.33			
50	PI2 BPSK	1	248	19.34	19.35	19.27			
50	PI2 BPSK	135	0	19.26	19.30	19.29	19.5	0.0	
50	PI2 BPSK	135	68	19.32	19.35	19.25	19.5	0.0	
50	PI2 BPSK	135	135	19.26	19.35	19.27	19.5	0.0	
50	PI2 BPSK	270	0	19.34	19.32	19.29	19.5	0.0	
50	QPSK	1	1	19.31	19.45	19.31			
50	QPSK	1	135	19.28	19.37	19.25			
50	QPSK	1	268	19.30	19.37	19.27	19.5	0.0	
50	QPSK	135	0	19.15	19.35	19.23			
50	QPSK	135	68	19.22	19.41	19.25			
50	QPSK	135	135	19.15	19.29	19.17	19.5	0.0	
50	QPSK	270	0	19.24	19.39	19.28	19.5	0.0	
50	16QAM	1	1	19.27	19.37	19.27			
50	64QAM	1	1	19.34	19.31	19.29			
50	256QAM	1	1	18.86	18.91	18.90	19.5	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2550	19.5	0.0	
40	QPSK	1	1	19.23	19.38	19.26	19.5	0.0	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	19.5	0.0	
35	QPSK	1	1	19.24	19.43	19.21	19.5	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	19.5	0.0	
30	QPSK	1	1	19.27	19.32	19.24	19.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	19.5	0.0	
25	QPSK	1	1	19.19	19.30	19.25	19.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	19.5	0.0	
20	QPSK	1	1	19.17	19.35	19.20	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0	
15	QPSK	1	1	19.30	19.39	19.22	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.5	0.0	
10	QPSK	1	1	19.28	19.31	19.25	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	19.5	0.0	
5	QPSK	1	1	19.22	19.39	19.21	19.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	510000			
Frequency (MHz)				2505	2535	2545			
50	PI2 BPSK	1	1	18.37	18.40	18.30	19.2	0.0	
50	PI2 BPSK	1	135	18.38	18.31	18.32			
50	PI2 BPSK	1	248	18.25	18.39	18.31			
50	PI2 BPSK	135	0	18.26	18.29	18.28	19.2	0.0	
50	PI2 BPSK	135	68	18.30	18.37	18.34	19.2	0.0	
50	PI2 BPSK	135	135	18.36	18.38	18.32	19.2	0.0	
50	PI2 BPSK	270	0	18.36	18.34	18.35			
50	QPSK	1	1	18.34	18.42	18.35			
50	QPSK	1	135	18.24	18.39	18.27	19.2	0.0	
50	QPSK	1	268	18.26	18.27	18.27			
50	QPSK	135	0	18.20	18.26	18.20			
50	QPSK	135	68	18.27	18.29	18.25	19.2	0.0	
50	QPSK	135	135	18.21	18.25	18.25	19.2	0.0	
50	QPSK	270	0	18.18	18.25	18.20	19.2	0.0	
50	16QAM	1	1	18.32	18.34	18.36			
50	64QAM	1	1	18.31	18.29	18.35			
50	256QAM	1	1	17.81	17.81	17.76	18.7	0.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2545	19.2	0.0	
40	QPSK	1	1	19.21	19.32	19.20	19.2	0.0	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	19.2	0.0	
35	QPSK	1	1	18.21	18.39	18.21	19.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	19.2	0.0	
30	QPSK	1	1	18.29	18.28	18.33	19.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	19.2	0.0	
25	QPSK	1	1	18.31	18.27	18.29	19.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	19.2	0.0	
20	QPSK	1	1	18.25	18.30	18.27	19.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	19.2	0.0	
15	QPSK	1	1	18.32	18.36	18.26	19.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.2	0.0	
10	QPSK	1	1	18.30	18.37	18.24	19.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	19.2	0.0	
5	QPSK	1	1	18.20	18.39	18.31	19.2	0.0	

n7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	20.89	20.95	20.94	21.7	0.0	
50	PI2 BPSK	1	135	20.90	20.90	20.90			
50	PI2 BPSK	1	268	20.89	20.95	20.88			
50	PI2 BPSK	135	0	20.88	20.97	20.83	21.7	0.0	
50	PI2 BPSK	135	68	20.88	20.92	20.87	21.7	0.0	
50	PI2 BPSK	135	135	20.86	20.91	20.83	21.7	0.0	
50	PI2 BPSK	270	0	20.87	20.93	20.85			
50	QPSK	1	1	20.92	20.98	20.89			
50	QPSK	1	135	20.87	20.92	20.81	21.7	0.0	
50	QPSK	1	268	20.85	20.93	20.81			
50	QPSK	135	0	20.84	20.88	20.86			
50	QPSK	135	68	20.91	20.90	20.92	21.7	0.0	
50	QPSK	135	135	20.80	20.82	20.80	21.7	0.0	
50	QPSK	270	0	20.86	20.87	20.86	21.7	0.0	
50	8QAM	1	1	20.95	20.90	20.86			
50	8QAM	1	1	20.89	20.88	20.95			
50	256QAM	1	1	19.37	19.47	19.43	20.2	1.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2550	21.7	0.0	
40	QPSK	1	1	20.98	20.96	20.84	21.7	0.0	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	21.7	0.0	
35	QPSK	1	1	20.86	20.98	20.87	21.7	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	21.7	0.0	
30	QPSK	1	1	20.81	20.96	20.79	21.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	21.7	0.0	
25	QPSK	1	1	20.82	20.83	20.76	21.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	21.7	0.0	
20	QPSK	1	1	20.87	20.83	20.79	21.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	21.7	0.0	
15	QPSK	1	1	20.81	20.81	20.72	21.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	21.7	0.0	
10	QPSK	1	1	20.85	20.89	20.79	21.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	21.7	0.0	
5	QPSK	1	1	20.82	20.92	20.79	21.7	0.0	

n7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	510000	20.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	18.87	18.84	18.85	20.0	0.0	
50	PI2 BPSK	1	135	18.84	18.85	18.84			
50	PI2 BPSK	1	268	18.91	18.84	18.83	20.0	0.0	
50	PI2 BPSK	135	0	18.95	18.91	18.90			
50	PI2 BPSK	135	68	18.87	18.92	18.81	20.0	0.0	
50	PI2 BPSK	135	135	18.85	18.94	18.88			
50	PI2 BPSK	270	0	18.88	18.84	18.84	20.0	0.0	
50	QPSK	1	1	18.90	18.92	18.91			
50	QPSK	1	135	18.85	18.92	18.85	20.0	0.0	
50	QPSK	1	268	18.85	18.93	18.90			
50	QPSK	135	0	18.84	18.84	18.81	20.0	0.0	
50	QPSK	135	68	18.95	18.93	18.95			
50	QPSK	135	135	18.83	18.83	18.82	20.0	0.0	
50	QPSK	270	0	18.79	18.85	18.76			
50	8QAM	1	1	18.86	18.86	18.92	20.0	0.0	
50	8QAM	1	1	18.93	18.93	18.95			
50	256QAM	1	1	18.40	18.53	18.46	20.0	0.0	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550	20.0	0.0	
40	QPSK	1	1	18.99	18.98	18.93			
Channel				503000	507000	510000	20.0	0.0	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	18.59	18.01	18.62	20.0	0.0	
Channel				500000	507000	510000			
Frequency (MHz)				2515	2535	2555	20.0	0.0	
30	QPSK	1	1	18.78	18.91	18.86			
Channel				502000	507000	511000	20.0	0.0	
Frequency (MHz)				2519.5	2535	2554.5			
25	QPSK	1	1	18.84	18.87	18.79	20.0	0.0	
Channel				500000	507000	512000			
Frequency (MHz)				2510	2535	2560	20.0	0.0	
20	QPSK	1	1	18.79	18.92	18.90			
Channel				507500	507000	512500	20.0	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.80	18.00	18.76	20.0	0.0	
Channel				507000	507000	512000			
Frequency (MHz)				2505	2535	2565	20.0	0.0	
10	QPSK	1	1	18.85	18.92	18.87			
Channel				500500	507000	513000	20.0	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.83	18.91	18.77	20.0	0.0	
Channel				500000	507000	513000			

n12_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	23.8	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.47	23.51	23.50	23.8	0.0	
15	PI2 BPSK	1	40	23.46	23.48	23.42			
15	PI2 BPSK	1	77	23.43	23.45	23.41	23.3	0.5	
15	PI2 BPSK	36	0	22.96	23.03	22.99			
15	PI2 BPSK	36	22	23.45	23.53	23.47	23.8	0.0	
15	PI2 BPSK	36	43	22.87	22.97	22.87			
15	PI2 BPSK	75	0	22.84	22.96	22.83	23.3	0.5	
15	QPSK	1	1	23.44	23.56	23.45			
15	QPSK	1	40	23.39	23.43	23.28	23.8	0.0	
15	QPSK	1	77	23.30	23.40	23.36			
15	QPSK	36	0	22.50	22.56	22.51	22.8	1.0	
15	QPSK	36	22	23.41	23.45	23.33			
15	QPSK	36	43	22.44	22.48	22.41	22.8	1.0	
15	QPSK	75	0	22.38	22.45	22.34			
15	8QAM	1	1	22.40	22.54	22.48	22.8	1.0	
15	8QAM	1	1	20.88	21.02	20.95			
15	256QAM	1	1	18.99	19.04	19.03	18.3	4.5	
Channel				140800	141500	142200			
Frequency (MHz)				704	707.5	711	23.8	0.0	
10	QPSK	1	1	23.36	23.50	23.42			
Channel				140300	141500	142700	23.8	0.0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.42	23.42	23.40	23.8	0.0	
Channel				140000	141500	142000			

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	23.8	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.73	22.81	22.68	23.3	0.0	
15	PI2 BPSK	1	40	22.72	22.78	22.75			
15	PI2 BPSK	1	77	22.72	22.82	22.73	22.8	0.5	
15	PI2 BPSK	36	0	22.20	22.31	22.28			
15	PI2 BPSK	36	22	22.72	22.85	22.78	23.3	0.0	
15	PI2 BPSK	36	43	22.17	22.29	22.21			
15	PI2 BPSK	75	0	22.23	22.32	22.31	22.8	0.5	
15	QPSK	1	1	22.77	22.81	22.85			
15	QPSK	1	40	22.59	22.72	22.64	23.3	0.0	
15	QPSK	1	77	22.67	22.81	22.67			
15	QPSK	36	0	21.76	21.84	21.68	22.3	1.0	
15	QPSK	36	22	22.72	22.73	22.68			
15	QPSK	36	43	21.77	21.78	21.77	22.3	1.0	
15	QPSK	75	0	21.74	21.82	21.81			
15	8QAM	1	1	21.72	21.77	21.67	22.3	1.0	
15	8QAM	1	1	20.23	20.25	20.12			
15	256QAM	1	1	18.24	18.31	18.18	18.8	4.5	
Channel				140800	141500	142200			
Frequency (MHz)				704	707.5	711	23.8	0.0	
10	QPSK	1	1	22.62	22.83	22.81			
Channel				140300	141500	142700	23.8	0.0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.65	22.80	22.82	23.3	0.0	
Channel				140000	141500	142000			

n13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				156400			25.0	0.0	
Frequency (MHz)				782					
10	PI2 BPSK	1	1	23.86			25.0	0.0	
10	PI2 BPSK	1	26	23.94					
10	PI2 BPSK	1	50	23.99					
10	PI2 BPSK	25	0	23.94					
10	PI2 BPSK	25	14	23.91			25.0	0.0	
10	PI2 BPSK	25	27	23.97			24.5	0.5	
10	PI2 BPSK	50	0	23.98					
10	QPSK	1	1	24.01			25.0	0.0	
10	QPSK	1	26	23.92					
10	QPSK	1	50	23.88					
10	QPSK	25	0	23.85					
10	QPSK	25	14	23.83			24.0	1.0	
10	QPSK	25	27	23.87			25.0	0.0	
10	QPSK	50	0	23.87					
10	8QAM	1	1	22.06			24.0	1.0	
10	8QAM	1	1	22.06			24.0	1.0	
10	8QAM	1	1	22.06			22.5	2.5	
10	256QAM	1	1	20.01			20.5	4.5	
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	25.0	0.0	
5	QPSK	1	1	23.92	23.95	23.87			

n13_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				156400			24.5	0.0	
Frequency (MHz)				782					
10	PI2 BPSK	1	1	23.75			24.0	0.5	
10	PI2 BPSK	1	26	23.72					
10	PI2 BPSK	1	50	23.73					
10	PI2 BPSK	25	0	23.42					
10	PI2 BPSK	25	14	23.76			24.5	0.0	
10	PI2 BPSK	25	27	23.46			24.0	0.5	
10	PI2 BPSK	50	0	23.51					
10	QPSK	1	1	23.83			24.5	0.0	
10	QPSK	1	26	23.81					
10	QPSK	1	50	23.76					
10	QPSK	25	0	22.93		23.5			
10	QPSK	25	14	23.69			24.5	0.0	
10	QPSK	25	27	22.98			23.5	1.0	
10	QPSK	50	0	22.99					
10	16QAM	1	1	22.83			23.5	1.0	
10	64QAM	1	1	21.43			22.0	2.5	
10	256QAM	1	1	19.35			20.0	4.5	
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	24.5	0.0	
5	QPSK	1	1	23.77	23.68	23.75			

n25_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376500			18.6	0.0	
Frequency (MHz)				1870					
40	PI2 BPSK	1	1	18.42	18.52	18.52	18.6	0.0	
40	PI2 BPSK	1	108	18.41	18.54	18.42			
40	PI2 BPSK	1	214	18.50	18.55	18.48			
40	PI2 BPSK	108	0	18.52	18.43	18.48			
40	PI2 BPSK	108	54	18.44	18.55	18.43	18.6	0.0	
40	PI2 BPSK	108	108	18.48	18.53	18.54			
40	PI2 BPSK	216	0	18.49	18.48	18.42	18.6	0.0	
40	QPSK	1	1	18.45	18.57	18.46			
40	QPSK	1	108	18.44	18.47	18.44			
40	QPSK	1	214	18.40	18.53	18.41			
40	QPSK	108	0	18.47	18.45	18.43	18.6	0.0	
40	QPSK	108	54	18.55	18.54	18.45			
40	QPSK	108	108	18.40	18.46	18.40	18.6	0.0	
40	QPSK	216	0	18.42	18.52	18.45			
40	8QAM	1	1	18.46	18.45	18.53	18.6	0.0	
40	8QAM	1	1	18.43	18.55	18.48			
40	256QAM	1	1	18.50	18.47	18.47	18.6	0.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	18.6	0.0	
35	QPSK	1	1	18.36	18.50	18.41	18.6	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	18.6	0.0	
30	QPSK	1	1	18.41	18.51	18.33	18.6	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	18.6	0.0	
25	QPSK	1	1	18.38	18.51	18.41	18.6	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	18.6	0.0	
20	QPSK	1	1	18.32	18.47	18.37	18.6	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	18.6	0.0	
15	QPSK	1	1	18.35	18.42	18.41	18.6	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	18.6	0.0	
10	QPSK	1	1	18.43	18.52	18.46	18.6	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	18.6	0.0	
5	QPSK	1	1	18.36	18.44	18.44	18.6	0.0	

n25_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376500	378500			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	17.93	18.22	18.13			
40	PI2 BPSK	1	108	17.94	18.08	18.11	18.5	0.0	
40	PI2 BPSK	1	214	18.30	18.16	18.06			
40	PI2 BPSK	108	0	17.94	18.10	18.18	18.5	0.0	
40	PI2 BPSK	108	54	18.01	18.11	18.06	18.5	0.0	
40	PI2 BPSK	108	108	18.03	18.17	18.09	18.5	0.0	
40	PI2 BPSK	216	0	18.36	18.10	18.10			
40	QPSK	1	1	18.11	18.28	18.16			
40	QPSK	1	108	18.05	18.18	18.06	18.5	0.0	
40	QPSK	1	214	18.05	18.20	18.06			
40	QPSK	108	0	17.93	18.08	18.08	18.5	0.0	
40	QPSK	108	54	18.03	18.22	18.10	18.5	0.0	
40	QPSK	108	108	18.00	18.08	18.02	18.5	0.0	
40	QPSK	216	0	18.04	18.22	18.06			
40	8QAM	1	1	18.07	18.21	18.10	18.5	0.0	
40	8QAM	1	1	17.93	18.16	18.07	18.5	0.0	
40	256QAM	1	1	17.79	17.84	17.80	18.5	0.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	18.03	18.12	18.08	15.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	18.08	18.14	18.12	13.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	18.06	18.19	18.12	18.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	17.98	18.11	18.01	18.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	18.09	18.18	18.09	15.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	18.09	18.24	18.02	18.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	18.04	18.19	18.01	18.5	0.0	

n25_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376500	378500			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	21.07	20.99	20.94			
40	PI2 BPSK	1	108	21.06	21.02	21.02	21.9	0.0	
40	PI2 BPSK	1	214	20.97	21.04	21.05			
40	PI2 BPSK	108	0	21.07	21.00	20.97	21.9	0.0	
40	PI2 BPSK	108	54	20.94	20.97	21.07	21.9	0.0	
40	PI2 BPSK	108	108	20.93	21.02	20.93	21.9	0.0	
40	PI2 BPSK	216	0	20.97	21.01	21.06			
40	QPSK	1	1	21.04	21.13	21.05			
40	QPSK	1	108	20.99	21.09	21.03	21.9	0.0	
40	QPSK	1	214	20.96	21.00	20.97			
40	QPSK	108	0	20.96	21.04	20.93	21.9	0.0	
40	QPSK	108	54	21.01	21.07	21.00	21.9	0.0	
40	QPSK	108	108	21.00	21.01	20.98	21.9	0.0	
40	QPSK	216	0	20.96	21.06	21.05			
40	8QAM	1	1	20.94	21.02	21.02	21.9	0.0	
40	8QAM	1	1	21.02	20.99	21.03	21.9	0.0	
40	256QAM	1	1	19.82	19.68	19.64	20.4	1.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	21.01	21.04	20.95	21.9	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	20.89	21.03	20.91	21.9	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	21.00	21.01	21.01	21.9	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	20.98	21.08	20.91	21.9	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	20.92	21.02	20.92	21.9	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	20.98	21.04	20.91	21.9	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	20.97	21.11	20.95	21.9	0.0	

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376500	378500			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	17.38	17.36	17.33			
40	PI2 BPSK	1	108	17.31	17.39	17.39	18.4	0.0	
40	PI2 BPSK	1	214	17.35	17.40	17.38			
40	PI2 BPSK	108	0	17.29	17.41	17.30	18.4	0.0	
40	PI2 BPSK	108	54	17.37	17.42	17.42	18.4	0.0	
40	PI2 BPSK	108	108	17.27	17.31	17.42	18.4	0.0	
40	PI2 BPSK	216	0	17.40	17.40	17.31			
40	QPSK	1	1	17.43	17.45	17.41			
40	QPSK	1	108	17.38	17.38	17.42	18.4	0.0	
40	QPSK	1	214	17.31	17.44	17.33			
40	QPSK	108	0	17.30	17.37	17.33	18.4	0.0	
40	QPSK	108	54	17.35	17.45	17.42	18.4	0.0	
40	QPSK	108	108	17.37	17.36	17.38	18.4	0.0	
40	QPSK	216	0	17.26	17.33	17.27			
40	8QAM	1	1	17.30	17.41	17.33	18.4	0.0	
40	8QAM	1	1	17.38	17.45	17.44	18.4	0.0	
40	256QAM	1	1	17.30	17.38	17.36	18.4	0.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	17.35	17.45	17.46	18.4	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	17.28	17.48	17.40	18.4	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	17.28	17.37	17.42	18.4	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	17.36	17.37	17.32	18.4	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	17.33	17.40	17.37	18.4	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	17.34	17.48	17.36	18.4	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	17.42	17.40	17.38	18.4	0.0	

n26(FCC)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 164400	Power Middle Ch. / Freq. 165300	Power High Ch. / Freq. 167000	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839	25.0	0.0	
Frequency (MHz)									
20	PI2 BPSK	1	1	24.05	24.03	24.03	25.0	0.0	
20	PI2 BPSK	1	53	24.00	24.10	24.02			
20	PI2 BPSK	1	104	23.98	23.95	23.84	24.5	0.5	
20	PI2 BPSK	50	0	24.04	24.09	24.04	24.5	0.0	
20	PI2 BPSK	50	26	24.08	24.04	24.03	25.0	0.0	
20	PI2 BPSK	50	56	24.03	24.04	23.96	24.5	0.5	
20	PI2 BPSK	100	0	24.10	24.02	23.98	24.5	0.5	
20	QPSK	1	1	24.07	24.12	24.00	25.0	0.0	
20	QPSK	1	53	24.01	24.02	23.99			
20	QPSK	1	104	23.91	23.96	23.83	24.0	1.0	
20	QPSK	50	0	23.96	23.80	23.51	24.0	1.0	
20	QPSK	50	26	24.00	24.00	23.97	25.0	0.0	
20	QPSK	50	56	23.51	23.54	23.43	24.0	1.0	
20	QPSK	100	0	23.48	23.62	23.59	24.0	1.0	
20	16QAM	1	1	23.52	23.60	23.52	24.0	1.0	
20	16QAM	1	1	22.08	22.09	22.07	22.5	2.5	
20	256QAM	1	1	20.03	20.12	20.03	20.5	4.5	
Channel				164300	166300	168300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	23.94	24.05	23.98	25.0	0.0	
Channel				163800	166300	168800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.00	24.05	23.97	25.0	0.0	
Channel				163300	166300	169300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.92	23.97	23.96	25.0	0.0	

n26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 164400	Power Middle Ch. / Freq. 165300	Power High Ch. / Freq. 167000	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839	24.5	0.0	
Frequency (MHz)									
20	PI2 BPSK	1	1	23.62	23.72	23.69	24.5	0.0	
20	PI2 BPSK	1	53	23.59	23.73	23.68			
20	PI2 BPSK	1	104	23.55	23.57	23.44	24.0	0.5	
20	PI2 BPSK	50	0	23.15	23.29	23.20	24.0	0.5	
20	PI2 BPSK	50	26	23.58	23.71	23.61	24.5	0.0	
20	PI2 BPSK	50	56	23.10	23.18	23.03	24.0	0.5	
20	PI2 BPSK	100	0	23.16	23.29	23.20	24.5	0.0	
20	QPSK	1	1	23.15	23.63	23.75	24.5	0.0	
20	QPSK	1	53	23.64	23.68	23.62			
20	QPSK	1	104	23.42	23.56	23.51	23.5	1.0	
20	QPSK	50	0	22.67	22.78	22.69	23.5	1.0	
20	QPSK	50	26	23.50	23.65	23.52	24.5	0.0	
20	QPSK	50	56	22.84	22.88	22.95	23.5	1.0	
20	QPSK	100	0	22.71	22.77	22.72	23.5	1.0	
20	16QAM	1	1	22.72	22.77	22.68	23.5	1.0	
20	16QAM	1	1	21.10	21.22	21.13	22.0	2.5	
20	256QAM	1	1	19.19	19.25	19.14	20.0	4.5	
Channel				164300	166300	168300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	23.69	23.73	23.75	24.5	0.0	
Channel				163800	166300	168800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	23.67	23.69	23.70	24.5	0.0	
Channel				163300	166300	169300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.63	23.71	23.69	24.5	0.0	

n30_Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				460000			19.5	0.0
Frequency (MHz)				2310				
10	PI2 BPSK	1	1	18.99			19.5	0.0
10	PI2 BPSK	1	26	19.00				
10	PI2 BPSK	1	50	18.99			19.5	0.0
10	PI2 BPSK	25	0	19.00				
10	PI2 BPSK	25	14	18.98			19.5	0.0
10	PI2 BPSK	25	27	18.93				
10	PI2 BPSK	50	0	19.00			19.5	0.0
10	QPSK	1	1	19.00				
10	QPSK	1	26	18.99			19.5	0.0
10	QPSK	1	50	19.00				
10	QPSK	25	0	18.99			19.5	0.0
10	QPSK	25	14	19.00				
10	QPSK	25	27	18.93			19.5	0.0
10	QPSK	50	0	18.92				
10	16QAM	1	1	19.02			19.5	0.0
10	64QAM	1	1	18.97				
10	256QAM	1	1	19.03			19.5	0.0
Channel				461500	462000	462500		
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)	
5	QPSK	1	1	18.88	18.87	18.84	19.5	0.0

n30_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				462000			19.7	0.0
Frequency (MHz)				2310				
10	PI2 BPSK	1	1	18.98			19.7	0.0
10	PI2 BPSK	1	26	18.96				
10	PI2 BPSK	1	50	18.97			19.7	0.0
10	PI2 BPSK	25	0	18.98				
10	PI2 BPSK	25	14	18.92			19.7	0.0
10	PI2 BPSK	25	27	18.88				
10	PI2 BPSK	50	0	19.02			19.7	0.0
10	QPSK	1	1	19.00				
10	QPSK	1	26	19.04			19.7	0.0
10	QPSK	1	50	19.01				
10	QPSK	25	0	18.99			19.7	0.0
10	QPSK	25	14	19.03				
10	QPSK	25	27	18.98			19.7	0.0
10	QPSK	50	0	19.02				
10	16QAM	1	1	18.99			19.7	0.0
10	64QAM	1	1	19.00				
10	256QAM	1	1	18.28			19.2	0.5
Channel				461500	462000	462500		
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dbm)	
5	QPSK	1	1	19.02	18.95	19.05	19.7	0.0

n66_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				1732.5	1745	1757.5			
Frequency (MHz)									
45	PI2 BPSK	1	1	17.00	17.06	16.96	18.2	0.0	
45	PI2 BPSK	1	122	16.97	16.97	16.97			
45	PI2 BPSK	1	243	16.98	17.10	16.91			
45	PI2 BPSK	120	0	16.91	16.91	17.03	18.2	0.0	
45	PI2 BPSK	120	60	16.91	17.04	17.01	18.2	0.0	
45	PI2 BPSK	120	122	17.00	17.04	16.95	18.2	0.0	
45	PI2 BPSK	240	0	17.03	17.11	17.00	18.2	0.0	
45	QPSK	1	1	17.10	17.16	17.12	18.2	0.0	
45	QPSK	1	122	17.00	17.11	16.95			
45	QPSK	1	243	16.98	17.02	17.00			
45	QPSK	120	0	16.96	16.96	16.99	18.2	0.0	
45	QPSK	120	60	16.99	17.07	17.01	18.2	0.0	
45	QPSK	120	122	16.91	16.97	16.92	18.2	0.0	
45	QPSK	240	0	16.91	17.03	16.95	18.2	0.0	
45	16QAM	1	1	16.99	16.98	17.02	18.2	0.0	
45	40QAM	1	1	16.93	17.07	17.02	18.2	0.0	
45	256QAM	1	1	16.98	17.09	17.04	18.2	0.0	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	16.94	17.10	16.98	18.2	0.0	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	16.97	17.09	17.11	18.2	0.0	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.01	17.07	17.00	18.2	0.0	
Channel				344500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.02	17.05	17.02	18.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.05	17.08	16.99	18.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.97	17.05	17.01	18.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.02	17.01	17.01	18.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.04	17.04	16.98	18.2	0.0	

n66_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1732.5	1745	1757.5			
Frequency (MHz)									
45	PI2 BPSK	1	1	17.66	17.80	17.76	18.8	0.0	
45	PI2 BPSK	1	122	17.64	17.83	17.75			
45	PI2 BPSK	1	243	17.66	17.83	17.79			
45	PI2 BPSK	120	0	17.66	17.81	17.77	18.8	0.0	
45	PI2 BPSK	120	60	17.76	17.77	17.73	18.8	0.0	
45	PI2 BPSK	120	122	17.74	17.76	17.79	18.8	0.0	
45	PI2 BPSK	240	0	17.68	17.79	17.82	18.8	0.0	
45	QPSK	1	1	17.72	17.87	17.85	18.8	0.0	
45	QPSK	1	122	17.64	17.83	17.79			
45	QPSK	1	243	17.70	17.77	17.70			
45	QPSK	120	0	17.76	17.70	17.72	18.8	0.0	
45	QPSK	120	60	17.71	17.80	17.75	18.8	0.0	
45	QPSK	120	122	17.64	17.69	17.67	18.8	0.0	
45	QPSK	240	0	17.66	17.76	17.72	18.8	0.0	
45	16QAM	1	1	17.67	17.84	17.73	18.8	0.0	
45	16QAM	1	1	17.65	17.84	17.74	18.8	0.0	
45	256QAM	1	1	17.73	17.78	17.81	18.8	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1726	1745	1763			
40	QPSK	1	1	17.63	17.73	17.79	18.8	0.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	17.71	17.75	17.70	18.8	0.0	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.60	17.77	17.82	18.8	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.71	17.83	17.71	18.8	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.60	17.79	17.76	18.8	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.70	17.80	17.83	18.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.58	17.76	17.77	18.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.61	17.77	17.71	18.8	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	347500	351500			
Frequency (MHz)				1745	1745	1745.5			
45	PI2 BPSK	1	1	19.07	19.05	18.93	20.2	0.0	
45	PI2 BPSK	1	122	19.09	19.05	18.89			
45	PI2 BPSK	1	243	19.02	19.12	18.94			
45	PI2 BPSK	120	0	19.02	19.10	18.98	20.2	0.0	
45	PI2 BPSK	120	60	19.03	19.11	18.97	20.2	0.0	
45	PI2 BPSK	120	122	19.06	19.13	18.90	20.2	0.0	
45	PI2 BPSK	240	0	19.03	19.03	18.96	20.2	0.0	
45	QPSK	1	1	19.12	19.15	19.02	20.2	0.0	
45	QPSK	1	122	19.10	19.14	18.90			
45	QPSK	1	243	19.09	19.13	18.92			
45	QPSK	120	0	18.99	19.04	18.83	20.2	0.0	
45	QPSK	120	60	19.01	19.09	18.95	20.2	0.0	
45	QPSK	120	122	19.00	18.98	18.85	20.2	0.0	
45	QPSK	240	0	19.02	19.06	18.88	20.2	0.0	
45	16QAM	1	1	19.05	19.08	18.93	20.2	0.0	
45	64QAM	1	1	19.12	19.11	18.98	20.2	0.0	
45	256QAM	1	1	19.11	19.12	18.92	20.2	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	19.00	19.10	18.96	20.2	0.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5 <td>1745</td> <td>1762.5</td> <td colspan="3"></td>	1745	1762.5			
35	QPSK	1	1	19.08	19.02	18.89	20.2	0.0	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725 <td>1745</td> <td>1765</td> <td colspan="3"></td>	1745	1765			
30	QPSK	1	1	19.06	19.06	18.90	20.2	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5 <td>1745</td> <td>1767.5</td> <td colspan="3"></td>	1745	1767.5			
25	QPSK	1	1	19.04	19.00	18.96	20.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720 <td>1745</td> <td>1770</td> <td colspan="3"></td>	1745	1770			
20	QPSK	1	1	19.04	19.07	18.95	20.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5 <td>1745</td> <td>1772.5</td> <td colspan="3"></td>	1745	1772.5			
15	QPSK	1	1	19.08	19.06	18.98	20.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715 <td>1745</td> <td>1775</td> <td colspan="3"></td>	1745	1775			
10	QPSK	1	1	19.02	19.00	18.97	20.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5 <td>1745</td> <td>1782.5</td> <td colspan="3"></td>	1745	1782.5			
5	QPSK	1	1	19.05	19.07	19.21	20.2	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1732.5	1745	1757.5	17.5	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	16.22	16.38	16.23	17.5	0.0	
45	PI2 BPSK	1	122	16.36	16.34	16.26			
45	PI2 BPSK	1	243	16.32	16.33	16.21	17.5	0.0	
45	PI2 BPSK	120	0	16.23	16.34	16.27			
45	PI2 BPSK	120	60	16.25	16.32	16.24	17.5	0.0	
45	PI2 BPSK	120	122	16.33	16.38	16.18			
45	PI2 BPSK	240	0	16.36	16.32	16.22	17.5	0.0	
45	QPSK	1	1	16.34	16.42	16.35			
45	QPSK	1	122	16.24	16.32	16.18	17.5	0.0	
45	QPSK	1	243	16.36	16.34	16.23			
45	QPSK	120	0	16.23	16.24	16.20	17.5	0.0	
45	QPSK	120	60	16.25	16.33	16.25			
45	QPSK	120	122	16.21	16.30	16.27	17.5	0.0	
45	QPSK	240	0	16.23	16.32	16.26			
45	8QAM	1	1	16.26	16.36	16.26	17.5	0.0	
45	8QAM	1	1	16.35	16.36	16.16			
45	256QAM	1	1	16.35	16.33	16.25	17.5	0.0	
Channel				345000	349000	352000			
Frequency (MHz)				345000	349000	352000	17.5	0.0	
40	QPSK	1	1	16.20	16.33	16.25			
Channel				345000	349000	352000	17.5	0.0	
Frequency (MHz)				345000	349000	352000			
35	QPSK	1	1	16.33	16.38	16.31	17.5	0.0	
Channel				345000	349000	352000			
Frequency (MHz)				345000	349000	352000	17.5	0.0	
30	QPSK	1	1	16.21	16.33	16.36			
Channel				344000	349000	353000	17.5	0.0	
Frequency (MHz)				344000	349000	353000			
25	QPSK	1	1	16.27	16.40	16.27	17.5	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				344000	349000	354000	17.5	0.0	
20	QPSK	1	1	16.31	16.34	16.26			
Channel				343000	349000	354000	17.5	0.0	
Frequency (MHz)				343000	349000	354000			
15	QPSK	1	1	16.29	16.38	16.25	17.5	0.0	
Channel				342000	349000	355000			
Frequency (MHz)				342000	349000	355000	17.5	0.0	
10	QPSK	1	1	16.31	16.31	16.26			
Channel				342000	349000	355000	17.5	0.0	
Frequency (MHz)				342000	349000	355000			
5	QPSK	1	1	16.33	16.40	16.38	17.5	0.0	
Channel				342000	349000	355000			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				680.5	136100		23.8	0.0	
Frequency (MHz)				680.5	136100				
35	PI2 BPSK	1	1	22.13			23.8	0.0	
35	PI2 BPSK	1	90	22.15					
35	PI2 BPSK	1	186	21.93			23.3	0.5	
35	PI2 BPSK	90	0	22.07					
35	PI2 BPSK	90	45	22.10			23.3	0.5	
35	PI2 BPSK	90	90	22.04					
35	PI2 BPSK	180	0	22.01			23.8	0.0	
35	QPSK	1	1	23.05					
35	QPSK	1	90	23.57			22.8	1.0	
35	QPSK	1	186	23.49					
35	QPSK	90	0	22.57			22.8	0.0	
35	QPSK	90	45	23.51					
35	QPSK	90	90	22.52			22.8	1.0	
35	QPSK	180	0	22.46					
35	8QAM	1	1	21.08			21.3	2.5	
35	256QAM	1	1	18.89					
Channel				135000	136100	136500	18.8	4.5	
Frequency (MHz)				135000	136100	136500			
30	QPSK	1	1	23.63	23.62	23.58	23.8	0.0	
Channel				135100	136100	137100			
Frequency (MHz)				135100	136100	137100	23.8	0.0	
25	QPSK	1	1	23.01	23.52	23.63			
Channel				135100	136100	137100	23.8	0.0	
Frequency (MHz)				135100	136100	137100			
20	QPSK	1	1	23.54	23.53	23.56	23.8	0.0	
Channel				134100	136100	138100			
Frequency (MHz)				134100	136100	138100	23.8	0.0	
15	QPSK	1	1	23.62	23.51	23.61			
Channel				133600	136100	138600	23.8	0.0	
Frequency (MHz)				133600	136100	138600			
10	QPSK	1	1	23.52	23.63	23.63	23.8	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				133100	136100	139100	23.8	0.0	
5	QPSK	1	1	23.54	23.63	23.57			

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				680.5	136100		23.3	0.0	
Frequency (MHz)				680.5	136100				
35	PI2 BPSK	1	1	21.45			22.8	0.5	
35	PI2 BPSK	1	90	21.50					
35	PI2 BPSK	1	186	21.36			21.56	22.8	
35	PI2 BPSK	90	0	21.36					
35	PI2 BPSK	90	45	21.56			22.8	0.0	
35	PI2 BPSK	90	90	21.36					
35	PI2 BPSK	180	0	21.32			23.3	0.0	
35	QPSK	1	1	22.97					
35	QPSK	1	90	22.83			22.3	1.0	
35	QPSK	1	186	22.84					
35	QPSK	90	0	21.91			22.3	1.0	
35	QPSK	90	45	22.88					
35	QPSK	90	90	21.96			22.3	1.0	
35	QPSK	180	0	21.83					
35	16QAM	1	1	21.91			22.3	1.0	
35	64QAM	1	1	20.43					
35	256QAM	1	1	18.24			20.8	2.5	
Channel				135600	139100	136600			
Frequency (MHz)				686.5	686.5	683	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
30	QPSK	1	1	22.98	22.82	22.88	23.3	0.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				686.5	686.5	686.5	23.3	0.0	0.0
25	QPSK	1	1	22.98	22.88	22.85	23.3	0.0	0.0
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				692	690.5	689	23.3	0.0	0.0
20	QPSK	1	1	22.95	22.85	22.85	23.3	0.0	0.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				690.5	686.5	690.5	23.3	0.0	0.0
15	QPSK	1	1	22.96	22.91	22.83	23.3	0.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				688	690.5	690	23.3	0.0	0.0
10	QPSK	1	1	22.98	22.96	22.91	23.3	0.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				686.5	686.5	686.5	23.3	0.0	0.0
5	QPSK	1	1	22.85	22.87	22.90	23.3	0.0	0.0

n38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	18.17	18.20	18.13			
40	PI2 BPSK	1	53	18.12	18.14	18.18	19.2	0.0	
40	PI2 BPSK	1	104	18.13	18.16	18.22			
40	PI2 BPSK	50	0	18.12	18.17	18.13	19.2	0.0	
40	PI2 BPSK	50	28	18.08	18.21	18.10	19.2	0.0	
40	PI2 BPSK	50	56	18.14	18.22	18.17	19.2	0.0	
40	PI2 BPSK	100	0	18.21	18.18	18.18			
40	QPSK	1	1	18.15	18.24	18.17			
40	QPSK	1	53	18.14	18.14	18.07	19.2	0.0	
40	QPSK	1	104	18.11	18.16	18.10			
40	QPSK	50	0	18.13	18.17	18.11	19.2	0.0	
40	QPSK	50	28	18.15	18.23	18.14	19.2	0.0	
40	QPSK	50	56	18.09	18.15	18.10	19.2	0.0	
40	QPSK	100	0	18.09	18.15	18.12			
40	16QAM	1	1	18.19	18.22	18.13	19.2	0.0	
40	16QAM	1	1	18.06	18.23	18.20	19.2	0.0	
40	256QAM	1	1	18.16	18.16	18.05	19.2	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	18.09	18.13	18.03	19.2	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2607.48			
25	QPSK	1	1	18.11	18.14	18.03	19.2	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	18.06	18.21	18.14	19.2	0.0	
Channel				515502	519000	522502	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	18.10	18.09	18.16	19.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.52	2595	2614.96			
10	QPSK	1	1	18.11	18.15	18.04	19.2	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	17.88	18.00	17.81			
40	PI2 BPSK	1	53	17.80	18.06	17.84	19.3	0.0	
40	PI2 BPSK	1	104	17.91	18.09	17.83			
40	PI2 BPSK	50	0	17.89	18.03	17.84	19.3	0.0	
40	PI2 BPSK	50	28	17.84	18.11	17.89	19.3	0.0	
40	PI2 BPSK	50	56	17.83	18.03	17.82	19.3	0.0	
40	PI2 BPSK	100	0	17.85	18.00	17.80			
40	QPSK	1	1	17.93	18.13	17.95			
40	QPSK	1	53	17.86	17.98	17.85	19.3	0.0	
40	QPSK	1	104	17.89	18.12	17.84			
40	QPSK	50	0	17.83	17.97	17.85	19.3	0.0	
40	QPSK	50	28	17.91	18.11	17.95	19.3	0.0	
40	QPSK	50	56	17.78	18.01	17.82	19.3	0.0	
40	QPSK	100	0	17.86	18.04	17.80			
40	16QAM	1	1	17.82	18.06	17.86	19.3	0.0	
40	16QAM	1	1	17.85	18.12	17.82	19.3	0.0	
40	256QAM	1	1	17.87	18.06	17.85	19.3	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	17.82	18.06	17.82	19.3	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2607.48			
25	QPSK	1	1	17.83	18.11	17.79	19.3	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.79	18.09	17.88	19.3	0.0	
Channel				515502	519000	522502	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.85	18.07	17.83	19.3	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.52	2595	2614.96			
10	QPSK	1	1	17.81	18.02	17.95	19.3	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	20.29	20.30	20.37			
40	PI2 BPSK	1	53	20.18	20.28	20.31	21.4	0.0	
40	PI2 BPSK	1	104	20.25	20.36	20.35			
40	PI2 BPSK	50	0	20.19	20.29	20.33	21.4	0.0	
40	PI2 BPSK	50	28	20.18	20.40	20.29	21.4	0.0	
40	PI2 BPSK	50	56	20.23	20.40	20.31	21.4	0.0	
40	PI2 BPSK	100	0	20.22	20.37	20.26			
40	QPSK	1	1	20.32	20.41	20.40			
40	QPSK	1	53	20.31	20.32	20.28	21.4	0.0	
40	QPSK	1	104	20.31	20.28	20.33			
40	QPSK	50	0	20.13	20.36	20.31	21.4	0.0	
40	QPSK	50	28	20.27	20.38	20.34	21.4	0.0	
40	QPSK	50	56	20.16	20.32	20.25	21.4	0.0	
40	QPSK	100	0	20.20	20.30	20.26			
40	16QAM	1	1	20.29	20.30	20.25	21.4	0.0	
40	16QAM	1	1	20.30	20.29	20.52	21.4	0.0	
40	256QAM	1	1	19.86	20.05	19.97	20.9	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	20.24	20.33	20.39	21.4	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2595	2607.48			
25	QPSK	1	1	20.27	20.30	20.29	21.4	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.18	20.40	20.38	21.4	0.0	
Channel				515502	519000	522502	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.21	20.37	20.30	21.4	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.52	2595	2614.96			
10	QPSK	1	1	20.26	20.27	20.32	21.4	0.0	

n38_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516096			
Frequency (MHz)				2560.02	2565	2569.98			
40	PIQ2 BPSK	1	1	17.80	17.87	17.82		19.3	0.0
40	PIQ2 BPSK	1	3	17.99	17.93	17.94			
40	PIQ2 BPSK	1	104	17.91	17.96	17.80			
40	PIQ2 BPSK	50	0	18.00	18.01	17.81			
40	PIQ2 BPSK	50	28	17.98	17.93	17.81		19.3	0.0
40	PIQ2 BPSK	50	56	17.99	17.97	17.83		19.3	0.0
40	PIQ2 BPSK	100	0	17.88	17.94	17.91			
40	QPSK	1	1	17.97	18.04	17.93			
40	QPSK	1	3	17.92	17.93	17.88		19.3	0.0
40	QPSK	1	104	17.92	17.97	17.83			
40	QPSK	50	0	17.93	17.92	17.83		19.3	0.0
40	QPSK	50	28	17.95	18.01	17.90		19.3	0.0
40	QPSK	50	56	17.90	17.95	17.83		19.3	0.0
40	QPSK	100	0	17.86	17.95	17.88			
40	16QAM	1	1	17.95	17.88	17.82		19.3	0.0
40	64QAM	1	1	17.99	17.98	17.90		19.3	0.0
40	256QAM	1	1	17.82	17.91	17.82		19.3	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	17.83	17.89	2054.99		19.3	0.0
Channel				516004	519000	521496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2582.52	2585	2607.48			
25	QPSK	1	1	17.83	17.84	17.88		19.3	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2580	2585	2610			
20	QPSK	1	1	17.86	17.84	17.81		19.3	0.0
Channel				515002	519000	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.51	2585	2612.49			
15	QPSK	1	1	17.86	18.02	17.87		19.3	0.0
Channel				516004	519000	522998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2579.02	2585	2614.98			
10	QPSK	1	1	17.82	17.90	17.90		19.3	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	528998			
Frequency (MHz)				2648.01	2662.99	2664			
100	PIQ2 BPSK	1	1	17.07	17.14	17.10		18.2	0.0
100	PIQ2 BPSK	1	137	17.11	17.13	17.05			
100	PIQ2 BPSK	1	271	17.05	17.22	17.10			
100	PIQ2 BPSK	135	0	17.14	17.11	17.08			
100	PIQ2 BPSK	135	69	17.15	17.14	17.05		18.2	0.0
100	PIQ2 BPSK	135	138	17.09	17.23	17.07		18.2	0.0
100	PIQ2 BPSK	270	0	17.05	17.14	17.08			
100	QPSK	1	1	17.15	17.28	17.15			
100	QPSK	1	137	17.12	17.16	17.13		18.2	0.0
100	QPSK	1	271	17.16	17.09	16.99			
100	QPSK	135	0	17.12	17.14	17.11		18.2	0.0
100	QPSK	135	69	17.15	17.23	17.15		18.2	0.0
100	QPSK	135	138	17.06	17.10	17.06		18.2	0.0
100	QPSK	270	0	17.07	17.17	17.11			
100	16QAM	1	1	17.08	17.16	17.12		18.2	0.0
100	64QAM	1	1	17.06	17.20	17.04		18.2	0.0
100	256QAM	1	1	17.08	17.18	17.06		18.2	0.0
Channel				509205	518998	528998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2552.99	2644.99			
80	QPSK	1	1	17.17	17.12	17.09		18.2	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2562.99	2649.99			
80	QPSK	1	1	17.11	17.23	17.13		18.2	0.0
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2562.99	2654			
70	QPSK	1	1	17.09	17.25	17.11		18.2	0.0
Channel				505200	518998	532000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2528	2562.99	2659.98			
60	QPSK	1	1	17.14	17.17	17.07		18.2	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2562.99	2664.99			
50	QPSK	1	1	17.17	17.21	17.08		18.2	0.0
Channel				503200	518998	533496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2514.9	2562.99	2667.48			
45	QPSK	1	1	17.08	17.23	17.05		18.2	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.01	2562.99	2670			
40	QPSK	1	1	17.09	17.17	17.06		18.2	0.0
Channel				502704	518998	534496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.52	2562.99	2672.49			
38	QPSK	1	1	17.17	17.13	17.13		18.2	0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	17.15	17.11	17.15		18.2	0.0
Channel				501702	518998	535500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.51	2562.99	2677.5			
25	QPSK	1	1	17.13	17.25	17.15		18.2	0.0
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.02	2562.99	2679.99			
20	QPSK	1	1	17.14	17.17	17.08		18.2	0.0
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	17.18	17.14	17.18		18.2	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2562.99	2684			
10	QPSK	1	1	17.14	17.23	17.09		18.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq	Power Ch. / Freq	Power Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506020	518988	528000			
100	P12 BPSK	1	1	17.07	17.14	17.10	18.2		0.0
100	P12 BPSK	1	137	17.11	17.13	17.03			
100	P12 BPSK	1	271	17.05	17.22	17.10			
100	P12 BPSK	135	0	17.14	17.11	17.08			
100	P12 BPSK	135	69	17.15	17.14	17.00	18.2		0.0
100	P12 BPSK	135	135	17.08	17.23	17.07	18.2		0.0
100	P12 BPSK	270	0	17.05	17.14	17.05			
100	QPSK	1	1	17.15	17.26	17.15			
100	QPSK	1	137	17.12	17.15	17.13			
100	QPSK	1	271	17.16	17.09	16.99			
100	QPSK	135	0	17.12	17.14	17.11			
100	QPSK	135	69	17.15	17.16	17.11	18.2		0.0
100	QPSK	135	135	17.06	17.10	17.08	18.2		0.0
100	QPSK	270	0	17.07	17.17	17.11			
100	16QAM	1	1	17.08	17.16	17.12	18.2		0.0
100	64QAM	1	1	17.06	17.20	17.04	18.2		0.0
100	256QAM	1	1	17.08	17.18	17.06	18.2		0.0
Channel									
Frequency (MHz)				508200	518988	528998	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	17.17	17.12	17.09	18.2		0.0
Channel									
Frequency (MHz)				507204	518988	528998	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	2536.01	2552.99	2568.99	18.2		0.0
Channel									
Frequency (MHz)				505020	518988	531000	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	17.06	17.25	17.11	18.2		0.0
Channel									
Frequency (MHz)				504202	518988	530000	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	17.14	17.17	17.07	18.2		0.0
Channel									
Frequency (MHz)				503204	518988	529000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	17.17	17.21	17.08	18.2		0.0
Channel									
Frequency (MHz)				503700	518988	533498	Tune-up limit (dBm)	MPR	
45	QPSK	1	1	17.08	17.23	17.05	18.2		0.0
Channel									
Frequency (MHz)				503202	518988	534000	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	17.09	17.17	17.08	18.2		0.0
Channel									
Frequency (MHz)				502704	518988	534498	Tune-up limit (dBm)	MPR	
35	QPSK	1	1	17.17	17.11	17.18	18.2		0.0
Channel									
Frequency (MHz)				502200	518988	534998	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	17.15	17.11	17.18	18.2		0.0
Channel									
Frequency (MHz)				501702	518988	535000	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	17.13	17.25	17.15	18.2		0.0
Channel									
Frequency (MHz)				501204	518988	535998	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	17.14	17.17	17.08	18.2		0.0
Channel									
Frequency (MHz)				500700	518988	536498	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	17.18	17.14	17.18	18.2		0.0
Channel									
Frequency (MHz)				500202	518988	537000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	17.14	17.23	17.09	18.2		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2546.01	2552.99	528100			
100	P12 BPSK	1	1	18.26	18.31	18.19	19.0	0.0	
100	P12 BPSK	1	137	18.26	18.32	18.20			
100	P12 BPSK	1	271	18.18	18.28	18.31			
100	P12 BPSK	135	0	18.31	18.35	18.28		19.0	
100	P12 BPSK	135	69	18.26	18.25	18.23	19.0	0.0	
100	P12 BPSK	135	135	18.23	18.35	18.29	19.0	0.0	
100	P12 BPSK	270	0	18.25	18.33	18.33			
100	QPSK	1	1	18.35	18.38	18.31		19.0	
100	QPSK	1	137	18.21	18.30	18.22			
100	QPSK	1	271	18.21	18.35	18.30			
100	QPSK	135	0	18.16	18.36	18.21		19.0	
100	QPSK	135	69	18.15	18.35	18.23	19.0	0.0	
100	QPSK	135	135	18.15	18.24	18.19	19.0	0.0	
100	QPSK	270	0	18.19	18.24	18.19			
100	16QAM	1	1	18.19	18.31	18.23	19.0	0.0	
100	64QAM	1	1	18.23	18.32	18.31	19.0	0.0	
100	256QAM	1	1	18.21	18.29	18.30	19.0	0.0	
Channel									
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	18.32	18.33	18.17	19.0	0.0	
Channel									
Frequency (MHz)				507204	518998	528998	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	2536.02	2552.99	529998	19.0	0.0	
Channel									
Frequency (MHz)				505202	518998	531000	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	2531.01	2552.99	530000	19.0	0.0	
Channel									
Frequency (MHz)				2526	2552.99	2559.98	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	18.31	18.28	18.20	19.0	0.0	
Channel									
Frequency (MHz)				504204	518998	528998	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	18.35	18.31	18.28	19.0	0.0	
Channel									
Frequency (MHz)				503700	518998	534498	Tune-up limit (dBm)	MPR	
45	QPSK	1	1	18.35	18.28	18.26	19.0	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	18.35	18.31	18.17	19.0	0.0	
Channel									
Frequency (MHz)				502704	518998	534498	Tune-up limit (dBm)	MPR	
35	QPSK	1	1	18.22	18.37	18.20	19.0	0.0	
Channel									
Frequency (MHz)				502200	518998	534998	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	18.23	18.37	18.20	19.0	0.0	
Channel									
Frequency (MHz)				501702	518998	535000	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	18.22	18.36	18.18	19.0	0.0	
Channel									
Frequency (MHz)				2508.02	2552.99	2579.99	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	18.21	18.36	18.28	19.0	0.0	
Channel									
Frequency (MHz)				500700	518998	536498	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	18.25	18.35	18.30	19.0	0.0	
Channel									
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	18.21	18.27	18.17	19.0	0.0	
Channel									
Frequency (MHz)				2546.01	2552.99	528100	Tune-up limit (dBm)	MPR	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506022	518998	526000			
100	P12 BPSK	1	1	20.90	21.10	20.94			
100	P12 BPSK	1	137	20.89	21.13	20.90	22.2	0.0	
100	P12 BPSK	1	271	20.97	21.02	20.92			
100	P12 BPSK	135	0	20.90	21.09	20.85	22.2	0.0	
100	P12 BPSK	135	69	21.02	21.10	20.99	22.2	0.0	
100	P12 BPSK	135	135	20.88	21.11	20.95	22.2	0.0	
100	P12 BPSK	270	0	21.00	21.04	20.94			
100	QPSK	1	1	21.03	21.16	21.00			
100	QPSK	1	137	20.94	21.07	20.86	22.2	0.0	
100	QPSK	1	271	20.89	21.13	20.94			
100	QPSK	135	0	20.93	21.11	20.89	22.2	0.0	
100	QPSK	135	69	21.01	21.12	20.95	22.2	0.0	
100	QPSK	135	135	20.86	21.07	20.83	22.2	0.0	
100	QPSK	270	0	20.94	21.05	20.93			
100	16QAM	1	1	20.92	21.12	20.90	22.2	0.0	
100	16QAM	1	1	20.95	21.03	20.95	22.2	0.0	
100	256QAM	1	1	21.01	21.10	20.86	22.2	0.0	
Channel									
Frequency (MHz)				508200	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
90	QPSK	1	1	20.87	21.01	20.90	22.2	0.0	
Channel									
Frequency (MHz)				507204	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
80	QPSK	1	1	20.87	21.01	20.90	22.2	0.0	
Channel									
Frequency (MHz)				506202	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
70	QPSK	1	1	20.89	21.08	20.93	22.2	0.0	
Channel									
Frequency (MHz)				505200	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
60	QPSK	1	1	20.90	21.09	20.86	22.2	0.0	
Channel									
Frequency (MHz)				504204	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
50	QPSK	1	1	20.80	21.09	20.91	22.2	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up Int. (dBm)	MPR (dB)	
45	QPSK	1	1	20.97	21.04	20.93	22.2	0.0	
Channel									
Frequency (MHz)				502200	518998	534000	Tune-up Int. (dBm)	MPR (dB)	
40	QPSK	1	1	21.02	21.14	20.90	22.2	0.0	
Channel									
Frequency (MHz)				502704	518998	534498	Tune-up Int. (dBm)	MPR (dB)	
35	QPSK	1	1	20.95	21.11	20.94	22.2	0.0	
Channel									
Frequency (MHz)				502200	518998	534996	Tune-up Int. (dBm)	MPR (dB)	
30	QPSK	1	1	20.91	21.03	20.95	22.2	0.0	
Channel									
Frequency (MHz)				500851	5262.99	2677.5			
25	QPSK	1	1	20.95	21.06	20.92	22.2	0.0	
Channel									
Frequency (MHz)				500700	518998	534498	Tune-up Int. (dBm)	MPR (dB)	
20	QPSK	1	1	20.97	21.09	20.89	22.2	0.0	
Channel									
Frequency (MHz)				500700	518998	534498	Tune-up Int. (dBm)	MPR (dB)	
15	QPSK	1	1	20.99	21.10	20.97	22.2	0.0	
Channel									
Frequency (MHz)				500202	518998	537000	Tune-up Int. (dBm)	MPR (dB)	
10	QPSK	1	1	20.96	21.08	20.87	22.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506022	518998	526000			
100	P12 BPSK	1	1	20.90	21.10	20.94			
100	P12 BPSK	1	137	20.89	21.13	20.90	22.2	0.0	
100	P12 BPSK	1	271	20.97	21.02	20.92			
100	P12 BPSK	135	0	20.90	21.09	20.85	22.2	0.0	
100	P12 BPSK	135	69	21.02	21.10	20.99	22.2	0.0	
100	P12 BPSK	135	135	20.88	21.11	20.95	22.2	0.0	
100	P12 BPSK	270	0	21.00	21.04	20.94			
100	QPSK	1	1	21.03	21.16	21.00			
100	QPSK	1	137	20.94	21.07	20.86	22.2	0.0	
100	QPSK	1	271	20.89	21.13	20.94			
100	QPSK	135	0	20.93	21.11	20.89	22.2	0.0	
100	QPSK	135	69	21.01	21.12	20.95	22.2	0.0	
100	QPSK	135	135	20.86	21.07	20.83	22.2	0.0	
100	QPSK	270	0	20.94	21.05	20.93			
100	16QAM	1	1	20.92	21.12	20.90	22.2	0.0	
100	16QAM	1	1	20.95	21.03	20.95	22.2	0.0	
100	256QAM	1	1	21.01	21.10	20.86	22.2	0.0	
Channel									
Frequency (MHz)				508200	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
90	QPSK	1	1	20.87	21.01	20.90	22.2	0.0	
Channel									
Frequency (MHz)				507204	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
80	QPSK	1	1	20.87	21.01	20.90	22.2	0.0	
Channel									
Frequency (MHz)				506202	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
70	QPSK	1	1	20.89	21.08	20.93	22.2	0.0	
Channel									
Frequency (MHz)				505200	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
60	QPSK	1	1	20.90	21.09	20.86	22.2	0.0	
Channel									
Frequency (MHz)				504204	518998	526996	Tune-up Int. (dBm)	MPR (dB)	
50	QPSK	1	1	20.80	21.09	20.91	22.2	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up Int. (dBm)	MPR (dB)	
45	QPSK	1	1	20.97	21.04	20.93	22.2	0.0	
Channel									
Frequency (MHz)				502200	518998	534000	Tune-up Int. (dBm)	MPR (dB)	
40	QPSK	1	1	21.02	21.14	20.90	22.2	0.0	
Channel									
Frequency (MHz)				502704	518998	534498	Tune-up Int. (dBm)	MPR (dB)	
35	QPSK	1	1	20.95	21.11	20.94	22.2	0.0	
Channel									
Frequency (MHz)				502200	518998	534996	Tune-up Int. (dBm)	MPR (dB)	
30	QPSK	1	1	20.91	21.03	20.95	22.2	0.0	
Channel									
Frequency (MHz)				500851	5262.99	2677.5			
25	QPSK	1	1	20.95	21.06	20.92	22.2	0.0	
Channel									
Frequency (MHz)				500700	518998	534498	Tune-up Int. (dBm)	MPR (dB)	
20	QPSK	1	1	20.97	21.09	20.89	22.2	0.0	
Channel									
Frequency (MHz)				500700	518998	534498	Tune-up Int. (dBm)	MPR (dB)	
15	QPSK	1	1	20.99	21.10	20.97	22.2	0.0	
Channel									
Frequency (MHz)				500202	518998	537000	Tune-up Int. (dBm)	MPR (dB)	
10	QPSK	1	1	20.96	21.08	20.87	22.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506022	518998	526000			
100	P12 BPSK	1	1	16.27	16.31	16.39			
100	P12 BPSK	1	137	16.26	16.32	16.30	17.4	0.0	
100	P12 BPSK	1	271	16.24	16.29	16.32			
100	P12 BPSK	135	0	16.26	16.29	16.31	17.4	0.0	
100	P12 BPSK	135	69	16.31	16.33	16.39	17.4	0.0	
100	P12 BPSK	135	135	16.30	16.37	16.30	17.4	0.0	
100	P12 BPSK	270	0	16.33	16.30	16.35			
100	QPSK	1	1	16.33	16.41	16.35			
100	QPSK	1	137	16.26	16.31	16.30	17.4	0.0	
100	QPSK	1	271	16.27	16.34	16.27			
100	QPSK	135	0	16.27	16.19	16.27	17.4	0.0	
100	QPSK	135	69	16.31	16.36	16.31	17.4	0.0	
100	QPSK	135	135	16.21	16.19	16.28	17.4	0.0	
100	QPSK	270	0	16.26	16.32	16.27			
100	SSB-AM	1	1	16.30	16.36	16.31	17.4	0.0	
100	SSB-AM	1	137	16.30	16.32	16.29	17.4	0.0	
100	SSB-AM	1	271	16.32	16.36	16.37	17.4	0.0	
100	SSB-AM	135	0	16.32	16.36	16.37	17.4	0.0	
100	SSB-AM	135	69	16.30	16.36	16.37	17.4	0.0	
100	SSB-AM	135	135	16.32	16.36	16.37	17.4	0.0	
100	SSB-AM	270	0	16.30	16.36	16.37	17.4	0.0	
50	Channel			506020	518998	525998		MPR	
Frequency (MHz)				2530.02	2592.98	2654.98			
50	QPSK	1	1	16.30	16.30	16.22	17.4	0.0	
50	Channel			507204	518998	525998		MPR	
Frequency (MHz)				2536.02	2592.98	2654.98			
50	QPSK	1	1	16.31	16.29	16.24	17.4	0.0	
50	Channel			506002	518998	515000		Tune-up Int. (dBm)	
Frequency (MHz)				2531.01	2592.98	2551.00		(dB)	
70	QPSK	1	1	16.30	16.30	16.24	17.4	0.0	
70	Channel			506200	518998	513000		Tune-up Int. (dBm)	
Frequency (MHz)				2526.00	2592.98	2609.00		(dB)	
80	QPSK	1	1	16.30	16.29	16.26	17.4	0.0	
80	Channel			506204	518998	515000		Tune-up Int. (dBm)	
Frequency (MHz)				2531.01	2592.98	2550.00		(dB)	
80	QPSK	1	1	16.31	16.29	16.25	17.4	0.0	
80	Channel			507002	518998	513000		Tune-up Int. (dBm)	
Frequency (MHz)				2530.02	2592.98	2609.00		(dB)	
50	QPSK	1	1	16.32	16.26	16.25	17.4	0.0	
50	Channel			503700	518998	513498		MPR	
Frequency (MHz)				2518.00	2592.98	2647.98		(dB)	
45	QPSK	1	1	16.34	16.37	16.22	17.4	0.0	
45	QPSK	1	1	16.30	16.32	16.20	17.4	0.0	
45	Channel			506202	518998	513000		MPR	
Frequency (MHz)				2531.01	2592.98	2610.00		(dB)	
45	QPSK	1	1	16.33	16.30	16.22	17.4	0.0	
35	Channel			506204	518998	513498		Tune-up Int. (dBm)	
Frequency (MHz)				2531.02	2592.98	2637.98		(dB)	
35	QPSK	1	1	16.35	16.33	16.28	17.4	0.0	
35	Channel			502300	518998	513998		Tune-up Int. (dBm)	
Frequency (MHz)				2511.00	2592.98	2674.98		(dB)	
30	QPSK	1	1	16.34	16.35	16.22	17.4	0.0	
30	Channel			506202	518998	513000		Tune-up Int. (dBm)	
Frequency (MHz)				2531.01	2592.98	2610.00		(dB)	
25	QPSK	1	1	16.40	16.26	16.28	17.4	0.0	
25	Channel			506002	518998	513000		MPR	
Frequency (MHz)				2530.02	2592.98	2639.98		(dB)	
20	QPSK	1	1	16.31	16.28	16.29	17.4	0.0	
20	Channel			500700	518998	513498		Tune-up Int. (dBm)	
Frequency (MHz)				2505.00	2592.98	2642.98		(dB)	
15	QPSK	1	1	16.37	16.40	16.34	17.4	0.0	
15	Channel			506002	518998	513000		MPR	
Frequency (MHz)				2531.01	2592.98	2610.00		(dB)	
10	QPSK	1	1	16.37	16.29	16.30	17.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				530202	518598	529200	17.4	0.0	
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	16.27	16.31	16.39			
100	PI2 BPSK	1	137	16.26	16.32	16.30			
100	PI2 BPSK	1	271	16.24	16.29	16.32	17.4	0.0	
100	PI2 BPSK	135	0	16.28	16.29	16.31	17.4	0.0	
100	PI2 BPSK	135	69	16.31	16.33	16.39	17.4	0.0	
100	PI2 BPSK	135	136	16.30	16.37	16.30	17.4	0.0	
100	PI2 BPSK	270	0	16.33	16.30	16.35	17.4	0.0	
100	QPSK	1	1	16.33	16.41	16.35	17.4	0.0	
100	QPSK	1	137	16.26	16.31	16.30			
100	QPSK	1	271	16.27	16.34	16.27			
100	QPSK	135	0	16.27	16.19	16.27			
100	QPSK	135	69	16.30	16.36	16.31	17.4	0.0	
100	QPSK	135	136	16.21	16.19	16.26	17.4	0.0	
100	QPSK	270	0	16.25	16.32	16.27	17.4	0.0	
100	16QAM	1	1	16.36	16.39	16.31	17.4	0.0	
100	16QAM	1	1	16.36	16.36	16.29	17.4	0.0	
100	256QAM	1	1	16.32	16.36	16.37	17.4	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	17.4	0.0	
90	QPSK	1	1	16.39	16.39	16.22	17.4	0.0	
Channel				507204	518598	525996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	17.4	0.0	
80	QPSK	1	1	16.38	16.38	16.31	17.4	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	17.4	0.0	
70	QPSK	1	1	16.38	16.30	16.24	17.4	0.0	
Channel				2526	2592.99	2658.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				16.39	16.29	16.26	17.4	0.0	
60	QPSK	1	1	16.39	16.29	16.26	17.4	0.0	
Channel				505204	518598	532994	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	17.4	0.0	
50	QPSK	1	1	16.32	16.26	16.25	17.4	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.9	2592.99	2677.08	17.4	0.0	
45	QPSK	1	1	16.34	16.37	16.22	17.4	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511.01	2592.99	2670	17.4	0.0	
40	QPSK	1	1	16.33	16.30	16.22	17.4	0.0	
Channel				502704	518598	534496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511.52	2592.99	2672.48	17.4	0.0	
35	QPSK	1	1	16.29	16.23	16.23	17.4	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	17.4	0.0	
30	QPSK	1	1	16.34	16.35	16.22	17.4	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5	17.4	0.0	
25	QPSK	1	1	16.40	16.26	16.28	17.4	0.0	
Channel				2505.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				16.31	16.28	16.23	17.4	0.0	
20	QPSK	1	1	16.31	16.28	16.23	17.4	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.9	2592.99	2682.48	17.4	0.0	
15	QPSK	1	1	16.37	16.40	16.34	17.4	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2499.01	2592.99	2684	17.4	0.0	
10	QPSK	1	1	16.37	16.28	16.30	17.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645333	15.7	0.0	
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	14.66	14.67	14.57			
40	PI2 BPSK	1	53	14.71	14.76	14.67			
40	PI2 BPSK	1	104	14.64	14.73	14.65	15.7	0.0	
40	PI2 BPSK	50	0	14.69	14.67	14.53	15.7	0.0	
40	PI2 BPSK	50	28	14.66	14.78	14.55	15.7	0.0	
40	PI2 BPSK	50	56	14.58	14.73	14.55	15.7	0.0	
40	PI2 BPSK	100	0	14.65	14.79	14.60	15.7	0.0	
40	QPSK	1	1	14.70	14.68	14.70	15.7	0.0	
40	QPSK	1	53	14.66	14.67	14.67			
40	QPSK	1	104	14.68	14.65	14.56			
40	QPSK	50	0	14.60	14.72	14.59			
40	QPSK	50	28	14.64	14.83	14.66	15.7	0.0	
40	QPSK	50	56	14.61	14.77	14.56	15.7	0.0	
40	QPSK	100	0	14.61	14.73	14.62	15.7	0.0	
40	16QAM	1	1	14.60	14.68	14.56	15.7	0.0	
40	16QAM	1	1	14.61	14.75	14.55	15.7	0.0	
40	256QAM	1	1	14.54	14.61	14.57	15.7	0.0	
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99	15.7	0.0	
30	QPSK	1	1	14.59	14.65	14.59	15.7	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690	15.7	0.0	
20	QPSK	1	1	14.64	14.77	14.65	15.7	0.0	
Channel				637168	641666	646195	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.49	15.7	0.0	
15	QPSK	1	1	14.64	14.86	14.61	15.7	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3624.99	3694.98	15.7	0.0	
10	QPSK	1	1	14.67	14.81	14.69	15.7	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	13.44	13.60	13.57			
40	PI2 BPSK	1	53	13.50	13.64	13.62	14.7	0.0	
40	PI2 BPSK	1	104	13.53	13.58	13.58			
40	PI2 BPSK	50	0	13.46	13.70	13.53	14.7	0.0	
40	PI2 BPSK	50	28	13.49	13.63	13.58	14.7	0.0	
40	PI2 BPSK	50	99	13.48	13.64	13.55	14.7	0.0	
40	PI2 BPSK	100	0	13.54	13.61	13.62			
40	QPSK	1	1	13.62	13.72	13.64			
40	QPSK	1	53	13.54	13.66	13.57	14.7	0.0	
40	QPSK	1	104	13.51	13.61	13.56			
40	QPSK	50	0	13.50	13.61	13.59	14.7	0.0	
40	QPSK	50	28	13.52	13.63	13.62	14.7	0.0	
40	QPSK	50	99	13.54	13.63	13.57	14.7	0.0	
40	QPSK	100	0	13.51	13.61	13.52			
40	16QAM	1	1	13.51	13.64	13.55	14.7	0.0	
40	16QAM	1	1	13.42	13.66	13.53	14.7	0.0	
40	256QAM	1	1	13.45	13.57	13.58	14.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.52	13.66	13.58	14.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.50	13.71	13.40	14.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.58	13.65	13.49	14.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.53	13.64	13.52	14.7	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.63	18.76	18.70			
40	PI2 BPSK	1	53	18.64	18.72	18.68	19.8	0.0	
40	PI2 BPSK	1	104	18.65	18.77	18.61			
40	PI2 BPSK	50	0	18.65	18.67	18.52	19.8	0.0	
40	PI2 BPSK	50	28	18.70	18.71	18.70	19.8	0.0	
40	PI2 BPSK	50	99	18.52	18.63	18.57	19.8	0.0	
40	PI2 BPSK	100	0	18.56	18.66	18.65			
40	QPSK	1	1	18.75	18.80	18.72			
40	QPSK	1	53	18.74	18.71	18.65	19.8	0.0	
40	QPSK	1	104	18.74	18.67	18.60			
40	QPSK	50	0	18.68	18.13	18.02	19.2	0.6	
40	QPSK	50	28	18.64	18.79	18.65	19.8	0.0	
40	QPSK	50	99	17.98	18.06	18.01	19.2	0.6	
40	QPSK	100	0	18.04	18.09	17.96			
40	16QAM	1	1	18.74	18.65	18.67	19.8	0.0	
40	16QAM	1	1	18.53	18.72	18.58	19.8	0.0	
40	256QAM	1	1	17.13	17.21	17.06	18.2	1.6	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.11	18.16	18.04	19.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.68	18.79	18.59	19.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.66	18.78	18.63	19.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.72	18.65	18.66	19.8	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	14.73	14.67	14.69			
40	PI2 BPSK	1	53	14.64	14.77	14.69	15.5	0.0	
40	PI2 BPSK	1	104	14.68	14.78	14.62			
40	PI2 BPSK	50	0	14.72	14.79	14.65	15.5	0.0	
40	PI2 BPSK	50	28	14.67	14.69	14.69	15.5	0.0	
40	PI2 BPSK	50	99	14.70	14.67	14.67	15.5	0.0	
40	PI2 BPSK	100	0	14.72	14.67	14.73	15.5	0.0	
40	QPSK	1	1	14.73	14.80	14.74			
40	QPSK	1	53	14.75	14.68	14.69	15.5	0.0	
40	QPSK	1	104	14.63	14.85	14.62			
40	QPSK	50	0	14.67	14.64	14.62	15.5	0.0	
40	QPSK	50	28	14.75	14.79	14.69	15.5	0.0	
40	QPSK	50	99	14.61	14.74	14.58	15.5	0.0	
40	QPSK	100	0	14.71	14.74	14.64			
40	16QAM	1	1	14.74	14.67	14.67	15.5	0.0	
40	16QAM	1	1	14.76	14.73	14.64	15.5	0.0	
40	256QAM	1	1	14.72	14.71	14.73	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.72	14.72	14.66	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.73	14.67	14.64	15.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.69	14.74	14.66	15.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.69	14.70	14.60	15.5	0.0	

Part27Q_n77_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332			16.8	0.0	
100	PI2 BPSK	1	1	3499.98					
100	PI2 BPSK	1	137	15.74					
100	PI2 BPSK	1	271	15.71					
100	PI2 BPSK	135	0	15.61					
100	PI2 BPSK	135	69	15.75			16.8	0.0	
100	PI2 BPSK	135	138	15.68			16.8	0.0	
100	PI2 BPSK	270	0	15.72			16.8	0.0	
100	QPSK	1	1	15.72			16.8	0.0	
100	QPSK	1	137	15.71					
100	QPSK	1	271	15.71					
100	QPSK	135	0	15.64					
100	QPSK	135	69	15.69					
100	QPSK	135	138	15.64			16.8	0.0	
100	QPSK	270	0	15.61			16.8	0.0	
100	16QAM	1	1	15.61			16.8	0.0	
100	64QAM	1	1	15.71			16.8	0.0	
100	256QAM	1	1	15.62			16.8	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3495	3499.98	3504.99	(dB)	15.8	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3495.02	3499.98	3505	(dB)	15.8	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3485.01	3489.98	3514.98	(dB)	16.8	
Channel									
Frequency (MHz)				3480	3489.98	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	15.71	15.62	15.72	(dB)	16.8	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	15.69	15.73	15.72	(dB)	16.8	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	15.72	15.61	15.64	(dB)	16.8	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.70	15.73	15.72	(dB)	16.8	
Channel									
Frequency (MHz)				630684	633332	636332	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3492.51	3499.98	3507.48	(dB)	16.8	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.64	15.65	15.74	(dB)	16.8	
Channel									
Frequency (MHz)				630300	633332	636332	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.63	15.68	15.67	(dB)	16.8	
Channel									
Frequency (MHz)				3493.51	3499.98	3504.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.71	15.74	15.75	(dB)	16.8	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 650000	Power Middle Ch./Freq. 650000	Power High Ch./Freq. 652000	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				3750			16.8	0.0				
100	PI2 BPSK	1	1	15.40								
100	PI2 BPSK	1	137	15.35								
100	PI2 BPSK	1	271	15.36								
100	PI2 BPSK	135	0	15.37								
100	PI2 BPSK	135	69	15.33			16.8	0.0				
100	PI2 BPSK	135	138	15.28			16.8	0.0				
100	PI2 BPSK	270	0	15.33			16.8	0.0				
100	QPSK	1	1	15.35			16.8	0.0				
100	QPSK	1	137	15.27								
100	QPSK	1	271	15.29								
100	QPSK	135	0	15.26								
100	QPSK	135	69	15.21								
100	QPSK	135	138	15.25			16.8	0.0				
100	QPSK	270	0	15.26			16.8	0.0				
100	16QAM	1	1	15.33			16.8	0.0				
100	64QAM	1	1	15.31			16.8	0.0				
100	256QAM	1	1	15.27			16.8	0.0				
Channel												
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	3745.02	3840	3934.98	(dB)	15.8				
Channel												
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	3740.01	3840	3939.99	(dB)	15.8				
Channel												
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)				
70	QPSK	1	1	3735	3840	3945	(dB)	16.8				
Channel												
Frequency (MHz)				3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)				
60	QPSK	1	1	15.36	15.31	15.27	(dB)	16.8				
Channel												
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)				
50	QPSK	1	1	15.33	15.34	15.31	(dB)	16.8				
Channel												
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)				
40	QPSK	1	1	15.33	15.30	15.31	(dB)	16.8				
Channel												
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)				
30	QPSK	1	1	15.29	15.35	15.29	(dB)	16.8				
Channel												
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)				
25	QPSK	1	1	15.30	15.34	15.33	(dB)	16.8				
Channel												
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	15.28	15.29	15.29	(dB)	16.8				
Channel												
Frequency (MHz)				646668	650000	653332	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	1	15.27	15.38	15.21	(dB)	16.8				
Channel												
Frequency (MHz)				646334	650000	653666	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	1	15.21	15.28	15.25	(dB)	16.8				

Part27Q_n77_Ant 10 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			16.8	0.0	
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	15.69					
100	PI2 BPSK	1	137	15.74			16.8	0.0	
100	PI2 BPSK	1	271	15.71					
100	PI2 BPSK	135	0	15.61					
100	PI2 BPSK	135	69	15.75			16.8	0.0	
100	PI2 BPSK	135	136	15.69					
100	PI2 BPSK	270	0	15.72					
100	QPSK	1	1	15.76			16.8	0.0	
100	QPSK	1	137	15.71					
100	QPSK	1	271	15.71					
100	QPSK	135	0	15.64			16.8	0.0	
100	QPSK	135	69	15.69					
100	QPSK	135	138	15.64					
100	QPSK	270	0	15.61			16.8	0.0	
100	16QAM	1	1	15.61					
100	64QAM	1	1	15.71				16.8	
100	256QAM	1	1	15.62					
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)		
80	QPSK	1	1	15.67	15.70	15.68	15.8	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)		
80	QPSK	1	1	15.69	15.72	15.66	15.8	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1	15.68	15.71	15.62	16.8	0.0	
Channel				3480	3499.98	3519.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)		
60	QPSK	1	1	15.71	15.62	15.72	16.8	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)		
50	QPSK	1	1	15.69	15.73	15.72	16.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3528.98	(dBm)		
40	QPSK	1	1	15.72	15.75	15.65	16.8	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)		
30	QPSK	1	1	15.70	15.73	15.72	16.8	0.0	
Channel				630684	633332	635632	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)		
25	QPSK	1	1	15.72	15.61	15.64	16.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
20	QPSK	1	1	15.64	15.65	15.74	16.8	0.0	
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)		
15	QPSK	1	1	15.63	15.68	15.67	16.8	0.0	
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.51	3499.98	3544.98	(dBm)		
10	QPSK	1	1	15.71	15.74	15.75	16.8	0.0	

Part27O_n77_Ant 10 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000			16.8	0.0	
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	15.40	15.32	15.30			
100	PI2 BPSK	1	137	15.35	15.38	15.27	16.8	0.0	
100	PI2 BPSK	1	271	15.36	15.38	15.22			
100	PI2 BPSK	135	0	15.37	15.41	15.30			
100	PI2 BPSK	135	69	15.33	15.32	15.31	16.8	0.0	
100	PI2 BPSK	135	138	15.28	15.35	15.27			
100	PI2 BPSK	270	0	15.33	15.32	15.32			
100	QPSK	1	1	15.35	15.42	15.35	16.8	0.0	
100	QPSK	1	137	15.27	15.28	15.28			
100	QPSK	1	271	15.29	15.40	15.29			
100	QPSK	135	0	15.26	15.31	15.24	16.8	0.0	
100	QPSK	135	69	15.31	15.38	15.31			
100	QPSK	135	138	15.25	15.33	15.24			
100	QPSK	270	0	15.28	15.35	15.22	16.8	0.0	
100	16QAM	1	1	15.33	15.39	15.23			
100	64QAM	1	1	15.31	15.28	15.28		16.8	
100	256QAM	1	1	15.27	15.35	15.28			
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)		
80	QPSK	1	1	15.25	15.29	15.19	16.8	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)		
80	QPSK	1	1	15.27	15.40	15.24	16.8	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)		
70	QPSK	1	1	15.29	15.41	15.28	16.8	0.0	
Channel				3730.02	3840	3949.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)		
60	QPSK	1	1	15.36	15.31	15.27	16.8	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)		
50	QPSK	1	1	15.33	15.34	15.31	16.8	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	15.33	15.30	15.31	16.8	0.0	
Channel				647668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)		
30	QPSK	1	1	15.29	15.35	15.29	16.8	0.0	
Channel				647000	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3712.51	3840	3967.5	(dBm)		
25	QPSK	1	1	15.30	15.34	15.33	16.8	0.0	
Channel				647334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)		
20	QPSK	1	1	15.28	15.25	15.25	16.8	0.0	
Channel				647000	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dBm)		
15	QPSK	1	1	15.27	15.38	15.21	16.8	0.0	
Channel				647000	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	15.21	15.28	15.25	16.8	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				3499.98			15.5	0.0				
100	PI2 BPSK	1	1	14.51								
100	PI2 BPSK	1	137	14.51								
100	PI2 BPSK	1	271	14.47								
100	PI2 BPSK	135	0	14.41								
100	PI2 BPSK	135	69	14.49			15.5	0.0				
100	PI2 BPSK	135	138	14.44								
100	PI2 BPSK	270	0	14.44								
100	QPSK	1	1	14.53								
100	QPSK	1	137	14.50			15.5	0.0				
100	QPSK	1	271	14.42								
100	QPSK	135	0	14.42								
100	QPSK	135	69	14.51								
100	QPSK	135	138	14.41								
100	QPSK	270	0	14.48			15.5	0.0				
100	16QAM	1	1	14.46								
100	64QAM	1	1	14.52								
100	256QAM	1	1	14.48								
Channel												
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)				
90	QPSK	1	1	14.48	14.43	14.46	15.5	0.0				
Channel												
Frequency (MHz)				3490.02	3499.98	3509.94	Tune-up limit (dBm)	MPR (dB)				
90	QPSK	1	1	14.51	14.48	14.47	15.5	0.0				
Channel												
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	14.48	14.50	14.41	15.5	0.0				
Channel												
Frequency (MHz)				3480.01	3499.98	3519.99	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	14.41	14.38	14.45	15.5	0.0				
Channel												
Frequency (MHz)				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)				
70	QPSK	1	1	14.42	14.46	14.49	15.5	0.0				
Channel												
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)				
60	QPSK	1	1	14.39	14.39	14.39	15.5	0.0				
Channel												
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)				
50	QPSK	1	1	14.40	14.41	14.51	15.5	0.0				
Channel												
Frequency (MHz)				630634	633332	635632	Tune-up limit (dBm)	MPR (dB)				
40	QPSK	1	1	14.42	14.44	14.53	15.5	0.0				
Channel												
Frequency (MHz)				630668	633332	635000	Tune-up limit (dBm)	MPR (dB)				
30	QPSK	1	1	14.50	14.40	14.48	15.5	0.0				
Channel												
Frequency (MHz)				630700	633332	635160	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	14.48	14.42	14.45	15.5	0.0				
Channel												
Frequency (MHz)				3455.01	3499.98	3544.98	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	1	14.49	14.42	14.42	15.5	0.0				

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930	15.5	0.0	
100	PI2 BPSK	1	1	14.32	14.27	14.24			
100	PI2 BPSK	1	137	14.20	14.21	14.20			
100	PI2 BPSK	1	271	14.27	14.23	14.24			
100	PI2 BPSK	135	0	14.30	14.23	14.17			
100	PI2 BPSK	135	69	14.20	14.24	14.22	15.5	0.0	
100	PI2 BPSK	135	138	14.31	14.24	14.31			
100	PI2 BPSK	270	0	14.26	14.35	14.17			
100	QPSK	1	1	14.40	14.43	14.36			
100	QPSK	1	137	14.21	14.23	14.26	15.5	0.0	
100	QPSK	1	271	14.23	14.23	14.28			
100	QPSK	135	0	14.30	14.34	14.17			
100	QPSK	135	69	14.22	14.38	14.35			
100	QPSK	135	138	14.31	14.29	14.25			
100	QPSK	270	0	14.22	14.32	14.28	15.5	0.0	
100	16QAM	1	1	14.27	14.34	14.21			
100	64QAM	1	1	14.27	14.27	14.17			
100	256QAM	1	1	14.28	14.29	14.26			
Channel									
Frequency (MHz)				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	14.51	14.35	14.25	15.5	0.0	
Channel									
Frequency (MHz)				3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	14.53	14.39	14.25	15.5	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	14.26	14.39	14.22	15.5	0.0	
Channel									
Frequency (MHz)				3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	14.32	14.42	14.23	15.5	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	14.26	14.39	14.29	15.5	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	14.28	14.41	14.29	15.5	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	14.37	14.31	14.21	15.5	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	14.35	14.39	14.29	15.5	0.0	
Channel									
Frequency (MHz)				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	14.32	14.42	14.35	15.5	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	14.36	14.33	14.28	15.5	0.0	
Channel									
Frequency (MHz)				646550	650000	655550	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	14.33	14.29	14.32	15.5	0.0	

Part27Q_n77_Ant 13 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3499.98	15.5	0.0	
100	PI2 BPSK	1	1	14.51					
100	PI2 BPSK	1	137	14.51					
100	PI2 BPSK	1	271	14.47					
100	PI2 BPSK	135	0	14.41					
100	PI2 BPSK	135	69	14.49			15.5	0.0	
100	PI2 BPSK	135	138	14.44			15.5	0.0	
100	PI2 BPSK	270	0	14.44			15.5	0.0	
100	QPSK	1	1	14.53			15.5	0.0	
100	QPSK	1	137	14.50					
100	QPSK	1	271	14.42					
100	QPSK	135	0	14.42					
100	QPSK	135	69	14.51					
100	QPSK	135	138	14.21			15.5	0.0	
100	QPSK	270	0	14.29			15.5	0.0	
100	16QAM	1	1	14.46			15.5	0.0	
100	16QAM	1	1	14.52			15.5	0.0	
100	256QAM	1	1	14.49			15.5	0.0	
Channel									
Frequency (MHz)				633900	633332	633696	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3495	3499.98	3504.99	15.5	0.0	
Channel									
Frequency (MHz)				632668	633332	633332	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3490.02	3499.98	3510	15.5	0.0	
Channel									
Frequency (MHz)				632334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3486.01	3499.98	3514.98	15.5	0.0	
Channel									
Frequency (MHz)				3480	3499.98	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	14.41	14.38	14.45	15.5	0.0	
Channel									
Frequency (MHz)				3479.02	3499.98	3519.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	14.42	14.46	14.49	15.5	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3478.01	3499.98	3529.98	15.5	0.0	
Channel									
Frequency (MHz)				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	14.40	14.41	14.51	15.5	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3462.51	3499.98	3537.48	15.5	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3460.02	3499.98	3540	15.5	0.0	
Channel									
Frequency (MHz)				630500	633332	636500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3457.5	3499.98	3542.49	15.5	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3455.01	3499.98	3544.98	15.5	0.0	
Channel									
Frequency (MHz)				3455.01	3499.98	3544.98	Tune-up limit (dBm)	MPR (dB)	

Part27O_n77_Ant 13 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				650000		3840			
100	PI2 BPSK	1	1	14.32	14.27	14.24	15.5	0.0	
100	PI2 BPSK	1	137	14.20	14.21	14.20	15.5	0.0	
100	PI2 BPSK	1	271	14.27	14.23	14.24	15.5	0.0	
100	PI2 BPSK	135	0	14.30	14.23	14.17	15.5	0.0	
100	PI2 BPSK	135	69	14.20	14.24	14.22	15.5	0.0	
100	PI2 BPSK	135	138	14.31	14.24	14.31	15.5	0.0	
100	PI2 BPSK	270	0	14.26	14.36	14.17	15.5	0.0	
100	QPSK	1	1	14.40	14.43	14.36	15.5	0.0	
100	QPSK	1	137	14.21	14.23	14.26	15.5	0.0	
100	QPSK	1	271	14.23	14.23	14.28	15.5	0.0	
100	QPSK	135	0	14.30	14.34	14.17	15.5	0.0	
100	QPSK	135	69	14.32	14.38	14.50	15.5	0.0	
100	QPSK	135	138	14.31	14.26	14.21	15.5	0.0	
100	QPSK	270	0	14.32	14.32	14.28	15.5	0.0	
100	16QAM	1	1	14.27	14.34	14.21	15.5	0.0	
100	16QAM	1	1	14.27	14.27	14.17	15.5	0.0	
100	256QAM	1	1	14.26	14.26	14.26	15.5	0.0	
Channel									
Frequency (MHz)				649698	649000	649332	Tune-up limit	MPR (dB)	
90	QPSK	1	1	3745.02	3840	3934.98	15.5	0.0	
Channel									
Frequency (MHz)				649334	649000	649668	Tune-up limit	MPR (dB)	
80	QPSK	1	1	3740.01	3840	3939.99	15.5	0.0	
Channel									
Frequency (MHz)				649000	649000	649000	Tune-up limit	MPR (dB)	
70	QPSK	1	1	3735	3840	3945	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
60	QPSK	1	1	3730.02	3840	3949.98	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
50	QPSK	1	1	3725.01	3840	3954.99	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
40	QPSK	1	1	3720.01	3840	3959.99	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
30	QPSK	1	1	3715.02	3840	3964.98	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
25	QPSK	1	1	3710.01	3840	3969.99	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
20	QPSK	1	1	3705.02	3840	3974.98	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
15	QPSK	1	1	3700.01	3840	3979.99	15.5	0.0	
Channel									
Frequency (MHz)				648998	649000	649332	Tune-up limit	MPR (dB)	
10	QPSK	1	1	3695.02	3840	3984.98	15.5	0.0	

Part27Q_n77_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
100	PIQ2 BPSK	1	1	17.74			18.7	0.0	
100	PIQ2 BPSK	1	137	17.81					
100	PIQ2 BPSK	1	271	17.71					
100	PIQ2 BPSK	135	0	17.82			18.7	0.0	
100	PIQ2 BPSK	135	69	17.85			18.7	0.0	
100	PIQ2 BPSK	135	138	17.83			18.7	0.0	
100	PIQ2 BPSK	270	0	17.77			18.7	0.0	
100	QPSK	1	1	17.81					
100	QPSK	1	137	17.86					
100	QPSK	1	271	17.83			18.7	0.0	
100	QPSK	135	0	17.78			18.7	0.0	
100	QPSK	135	69	17.80			18.7	0.0	
100	QPSK	135	138	17.75			18.7	0.0	
100	QPSK	270	0	17.74			18.7	0.0	
100	16QAM	1	1	17.75			18.7	0.0	
100	64QAM	1	1	17.76			18.7	0.0	
100	256QAM	1	1	17.76			18.7	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dB)		
80	QPSK	1	1	17.84	17.80	17.77	18.7	0.0	
Channel				630668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495.02	3499.98	3505	(dB)		
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3486.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	17.82	17.84	17.79	18.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.99	(dB)		
60	QPSK	1	1	17.85	17.86	17.85	18.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dB)		
50	QPSK	1	1	17.78	17.83	17.79	18.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)		
Frequency (MHz)				3470.01	3499.98	3528.98	(dB)		
40	QPSK	1	1	17.79	17.83	17.79	18.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dB)		
Frequency (MHz)				3465	3499.98	3534.99	(dB)		
30	QPSK	1	1	17.80	17.83	17.81	18.7	0.0	
Channel				630664	633332	635832	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.61	3499.98	3537.48	(dB)		
25	QPSK	1	1	17.84	17.79	17.78	18.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
20	QPSK	1	1	17.84	17.77	17.78	18.7	0.0	
Channel				630000	633332	636166	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.46	(dBm)		
15	QPSK	1	1	17.79	17.88	17.84	18.7	0.0	
Channel				3465.51	3499.98	3544.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465.51	3499.98	3544.98	(dBm)		
10	QPSK	1	1	17.79	17.74	17.78	18.7	0.0	

Part27O_n77_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	660000	662000			
Frequency (MHz)				3750	3840	3930			
100	PIQ2 BPSK	1	1	17.68	17.70	17.61	18.7	0.0	
100	PIQ2 BPSK	1	137	17.70	17.77	17.69			
100	PIQ2 BPSK	1	271	17.76	17.64	17.68			
100	PIQ2 BPSK	135	0	17.72	17.70	17.55	18.7	0.0	
100	PIQ2 BPSK	135	69	17.69	17.68	17.61	18.7	0.0	
100	PIQ2 BPSK	135	138	17.69	17.74	17.65	18.7	0.0	
100	PIQ2 BPSK	270	0	17.70	17.67	17.57	18.7	0.0	
100	QPSK	1	1	17.77	17.78	17.70			
100	QPSK	1	137	17.66	17.66	17.51			
100	QPSK	1	271	17.71	17.74	17.68	18.7	0.0	
100	QPSK	135	0	17.63	17.63	17.54	18.7	0.0	
100	QPSK	135	69	17.71	17.72	17.65	18.7	0.0	
100	QPSK	135	138	17.67	17.62	17.52	18.7	0.0	
100	QPSK	270	0	17.67	17.71	17.59	18.7	0.0	
100	16QAM	1	1	17.64	17.70	17.67	18.7	0.0	
100	64QAM	1	1	17.67	17.72	17.69	18.7	0.0	
100	256QAM	1	1	17.68	17.67	17.56	18.7	0.0	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3748.02	3840	3934.98	(dBm)		
80	QPSK	1	1	17.64	17.73	17.69	18.7	0.0	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)		
80	QPSK	1	1	17.64	17.71	17.64	18.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3944	(dBm)		
70	QPSK	1	1	17.73	17.68	17.57	18.7	0.0	
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)		
60	QPSK	1	1	17.71	17.76	17.68	18.7	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)		
50	QPSK	1	1	17.63	17.77	17.55	18.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dB)		
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	17.65	17.76	17.66	18.7	0.0	
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)		
30	QPSK	1	1	17.74	17.75	17.59	18.7	0.0	
Channel				647330	656000	664666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)		
25	QPSK	1	1	17.69	17.69	17.61	18.7	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)		
20	QPSK	1	1	17.63	17.75	17.61	18.7	0.0	
Channel				647165	656000	664632	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dBm)		
15	QPSK	1	1	17.72	17.71	17.61	18.7	0.0	
Channel				647060	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	17.63	17.76	17.67	18.7	0.0	

Part27Q_n77_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98		18.7	0.0	
100	PI2 BPSK	1	1	17.74					
100	PI2 BPSK	1	137	17.81					
100	PI2 BPSK	1	271	17.71			18.7	0.0	
100	PI2 BPSK	135	0	17.82					
100	PI2 BPSK	135	69	17.85					
100	PI2 BPSK	135	138	17.83			18.7	0.0	
100	PI2 BPSK	270	0	17.77					
100	QPSK	1	1	17.81					
100	QPSK	1	137	17.86			18.7	0.0	
100	QPSK	1	271	17.83					
100	QPSK	135	0	17.78					
100	QPSK	135	69	17.80			18.7	0.0	
100	QPSK	135	138	17.75					
100	QPSK	270	0	17.74					
100	16QAM	1	1	17.75			18.7	0.0	
100	64QAM	1	1	17.76					
100	256QAM	1	1	17.76					
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
80	QPSK	1	1	17.84	17.80	17.77	18.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	17.77	17.80	17.88	18.7	0.0	
Channel				636334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3486.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	17.82	17.84	17.79	18.7	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3490	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	17.85	17.86	17.85	18.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3520.98	(dBm)	(dB)	
50	QPSK	1	1	17.78	17.83	17.79	18.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	17.79	17.83	17.79	18.7	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	17.80	17.83	17.81	18.7	0.0	
Channel				630634	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3462.61	3499.98	3537.48	(dBm)	(dB)	
25	QPSK	1	1	17.84	17.75	17.78	18.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	17.84	17.77	17.78	18.7	0.0	
Channel				630300	633332	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.46	(dBm)	(dB)	
15	QPSK	1	1	17.79	17.88	17.84	18.7	0.0	
Channel				3465.51	3499.98	3544.98	Tune-up limit	MPR	
Frequency (MHz)							(dBm)	(dB)	
10	QPSK	1	1	17.79	17.74	17.78	18.7	0.0	

Part27O_n77_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	666000	662000	18.7	0.0	
100	PI2 BPSK	1	1	17.68	17.70	17.61			
100	PI2 BPSK	1	137	17.70	17.77	17.69			
100	PI2 BPSK	1	271	17.76	17.64	17.68	18.7	0.0	
100	PI2 BPSK	135	0	17.72	17.70	17.55			
100	PI2 BPSK	135	69	17.69	17.68	17.61			
100	PI2 BPSK	135	138	17.69	17.74	17.65	18.7	0.0	
100	PI2 BPSK	270	0	17.70	17.67	17.57			
100	QPSK	1	1	17.77	17.75	17.70			
100	QPSK	1	137	17.66	17.66	17.51	18.7	0.0	
100	QPSK	1	271	17.71	17.74	17.68			
100	QPSK	135	0	17.63	17.63	17.54			
100	QPSK	135	69	17.71	17.72	17.65	18.7	0.0	
100	QPSK	135	138	17.67	17.62	17.52			
100	QPSK	270	0	17.67	17.71	17.59			
100	16QAM	1	1	17.64	17.70	17.67	18.7	0.0	
100	64QAM	1	1	17.67	17.72	17.69			
100	256QAM	1	1	17.68	17.67	17.56			
Channel				649668	656000	662332	Tune-up limit	MPR	
Frequency (MHz)				3748.02	3840	3934.98	(dBm)	(dB)	
80	QPSK	1	1	17.64	17.73	17.69	18.7	0.0	
Channel				649334	656000	662666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	17.64	17.71	17.64	18.7	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	17.73	17.68	17.57	18.7	0.0	
Channel				648666	656000	663332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	17.71	17.76	17.68	18.7	0.0	
Channel				648334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)	(dB)	
50	QPSK	1	1	17.63	17.77	17.55	18.7	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	17.65	17.76	17.66	18.7	0.0	
Channel				647668	656000	664332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	17.74	17.75	17.59	18.7	0.0	
Channel				647330	656000	664666	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	17.69	17.69	17.61	18.7	0.0	
Channel				647334	656000	664666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	17.63	17.75	17.61	18.7	0.0	
Channel				647165	657000	665632	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)	
15	QPSK	1	1	17.72	17.71	17.61	18.7	0.0	
Channel				647060	658000	666990	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	17.63	17.76	17.67	18.7	0.0	

Part27Q_n77_Ant 12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	14.49			15.0	0.0	
100	PI2 BPSK	1	137	14.58					
100	PI2 BPSK	1	271	14.48					
100	PI2 BPSK	135	0	14.58			15.0	0.0	
100	PI2 BPSK	135	69	14.53			15.0	0.0	
100	PI2 BPSK	135	138	14.55					
100	PI2 BPSK	270	0	14.59			15.0	0.0	
100	QPSK	1	1	14.60					
100	QPSK	1	137	14.64					
100	QPSK	1	271	14.49			15.0	0.0	
100	QPSK	135	0	14.51			15.0	0.0	
100	QPSK	135	69	14.55			15.0	0.0	
100	QPSK	135	138	14.50					
100	QPSK	270	0	14.53			15.0	0.0	
100	16QAM	1	1	14.55			15.0	0.0	
100	16QAM	1	1	14.56			15.0	0.0	
100	256QAM	1	1	14.50			15.0	0.0	
Channel				633900	633332	633666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	14.47	14.57	14.51	15.0	0.0	
Channel				632666	633332	634000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	14.53	14.54	14.59	15.0	0.0	
Channel				632334	633332	634332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3486.01	3499.98	3514.98			
70	QPSK	1	1	14.59	14.49	14.53	15.0	0.0	
Channel				3480	3499.98	3519.99			
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	14.48	14.49	14.57	15.0	0.0	
Channel				637666	633332	639000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3479.02	3499.98	3505			
50	QPSK	1	1	14.54	14.59	14.55	15.0	0.0	
Channel				631334	633332	635332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3474.01	3499.98	3509.98			
40	QPSK	1	1	14.56	14.56	14.45	15.0	0.0	
Channel				631000	633332	635666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3470	3499.98	3514.99			
30	QPSK	1	1	14.50	14.59	14.55	15.0	0.0	
Channel				630834	633332	635832	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3499.98	3517.48			
25	QPSK	1	1	14.53	14.52	14.52	15.0	0.0	
Channel				630666	633332	636000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3504			
20	QPSK	1	1	14.49	14.49	14.50	15.0	0.0	
Channel				630330	633332	636330	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3502.49			
15	QPSK	1	1	14.57	14.53	14.45	15.0	0.0	
Channel				630004	633332	636664	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3504.98			
10	QPSK	1	1	14.55	14.55	14.55	15.0	0.0	

Part27O_n77_Ant 12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				640000	640000	640000			
Frequency (MHz)				3760	3840	3880			
100	PI2 BPSK	1	1	13.88	14.15	13.94			
100	PI2 BPSK	1	137	14.06	14.04	13.95	15.0	0.0	
100	PI2 BPSK	1	271	13.96	14.03	13.98			
100	PI2 BPSK	135	0	14.04	14.13	13.90	15.0	0.0	
100	PI2 BPSK	135	69	14.05	14.06	13.90	15.0	0.0	
100	PI2 BPSK	135	138	13.97	14.10	13.99			
100	PI2 BPSK	270	0	13.96	14.17	13.97	15.0	0.0	
100	QPSK	1	1	13.14	14.22	14.05			
100	QPSK	1	137	14.19	14.17	13.94	15.0	0.0	
100	QPSK	1	271	14.02	14.06	13.91			
100	QPSK	135	0	14.00	14.07	13.90	15.0	0.0	
100	QPSK	135	69	14.03	14.17	14.00	15.0	0.0	
100	QPSK	135	138	14.07	14.14	13.96			
100	QPSK	270	0	14.05	14.11	13.97	15.0	0.0	
100	16QAM	1	1	14.01	14.17	13.98	15.0	0.0	
100	16QAM	1	1	14.01	14.17	13.91	15.0	0.0	
100	256QAM	1	1	14.06	14.11	13.88	15.0	0.0	
Channel				649668	649000	649332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3934.98			
90	QPSK	1	1	14.06	14.21	13.95	15.0	0.0	
Channel				649334	649000	649666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	14.08	14.17	13.98	15.0	0.0	
Channel				649000	649000	649000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	14.02	14.14	13.98	15.0	0.0	
Channel				648668	649000	649332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	14.00	14.19	14.04	15.0	0.0	
Channel				648334	649000	649666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3729.01	3840	3954.98			
50	QPSK	1	1	14.12	14.11	14.02	15.0	0.0	
Channel				648000	649000	649000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.13	14.13	13.94	15.0	0.0	
Channel				647668	649000	649332	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3840	3974.98			
30	QPSK	1	1	14.02	14.08	14.01	15.0	0.0	
Channel				647500	649000	649500	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3977.5			
25	QPSK	1	1	14.09	14.19	14.04	15.0	0.0	
Channel				647334	649000	649666	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3989.99			
20	QPSK	1	1	14.07	14.14	13.94	15.0	0.0	
Channel				647166	649000	649532	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3992.48			
15	QPSK	1	1	14.04	14.10	13.97	15.0	0.0	
Channel				647000	649000	649000	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3995			
10	QPSK	1	1	14.04	14.10	13.97	15.0	0.0	

Part27Q_n77_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98		15.0	0.0	
100	PI2 BPSK	1	1	14.49					
100	PI2 BPSK	1	137	14.56					
100	PI2 BPSK	1	271	14.48			15.0	0.0	
100	PI2 BPSK	135	0	14.58					
100	PI2 BPSK	135	69	14.53					
100	PI2 BPSK	135	138	14.55			15.0	0.0	
100	PI2 BPSK	270	0	14.59					
100	QPSK	1	1	14.60					
100	QPSK	1	137	14.54			15.0	0.0	
100	QPSK	1	271	14.49					
100	QPSK	135	0	14.51				15.0	
100	QPSK	135	69	14.55					
100	QPSK	135	138	14.60					
100	QPSK	270	0	14.53			15.0	0.0	
100	16QAM	1	1	14.55			15.0	0.0	
100	64QAM	1	1	14.52			15.0	0.0	
100	256QAM	1	1	14.50			15.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	14.42	14.57	14.54	15.0	0.0	
Channel				630668	633332	634000	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	14.60	14.58	15.10	15.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	14.59	14.49	14.53	15.0	0.0	
Channel				3490	3499.98	3514.98	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	14.48	14.49	14.57	15.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	14.54	14.59	14.55	15.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	14.56	14.56	14.45	15.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	14.50	14.59	14.56	15.0	0.0	
Channel				630634	633332	635632	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	14.55	14.59	14.58	15.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	14.49	14.49	14.50	15.0	0.0	
Channel				630705	633332	636245	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	14.57	14.53	14.45	15.0	0.0	
Channel				3455.51	3499.98	3544.98	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	14.55	14.55	14.55	15.0	0.0	

Part27O_n77_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	660000	662000	15.0	0.0	
100	PI2 BPSK	1	1	13.98	14.15	13.94			
100	PI2 BPSK	1	137	14.06	14.04	13.95			
100	PI2 BPSK	1	271	13.96	14.03	13.98	15.0	0.0	
100	PI2 BPSK	135	0	14.04	14.13	13.90			
100	PI2 BPSK	135	69	14.05	14.06	13.90			
100	PI2 BPSK	135	138	13.97	14.10	13.99	15.0	0.0	
100	PI2 BPSK	270	0	13.96	14.17	13.97			
100	QPSK	1	1	14.14	14.22	14.05			
100	QPSK	1	137	14.10	14.17	13.94	15.0	0.0	
100	QPSK	1	271	14.02	14.06	13.91			
100	QPSK	135	0	14.00	14.07	13.90		15.0	
100	QPSK	135	69	14.05	14.17	14.00			
100	QPSK	135	138	14.07	14.14	13.96			
100	QPSK	270	0	14.05	14.11	13.87	15.0	0.0	
100	16QAM	1	1	14.01	14.17	13.98	15.0	0.0	
100	64QAM	1	1	14.01	14.17	13.91	15.0	0.0	
100	256QAM	1	1	14.06	14.11	13.88	15.0	0.0	
Channel				649668	650000	652332	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	14.08	14.21	13.95	15.0	0.0	
Channel				649334	650000	652666	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	14.01	14.17	13.94	15.0	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	14.02	14.14	13.86	15.0	0.0	
Channel				3735	3840	3945	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	14.00	14.19	14.04	15.0	0.0	
Channel				648334	650000	653666	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	14.12	14.11	14.02	15.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	14.13	14.13	13.94	15.0	0.0	
Channel				647668	650000	654332	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	14.02	14.06	14.01	15.0	0.0	
Channel				647500	650000	654500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	14.09	14.19	14.04	15.0	0.0	
Channel				647334	650000	654666	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	14.07	14.14	13.94	15.0	0.0	
Channel				647105	650000	654832	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	14.04	14.10	13.97	15.0	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	14.02	14.20	14.00	15.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./ Freq.	Power Mid Ch./ Freq.	Power Hdy Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	P12 BPSK	1	1	15.99	633332	633332	17.3	0.0				
100	P12 BPSK	1	137	15.97								
100	P12 BPSK	1	271	16.02			17.3	0.0				
100	P12 BPSK	135	0	15.98								
100	P12 BPSK	135	69	16.00			17.3	0.0				
100	P12 BPSK	135	138	15.95								
100	P12 BPSK	270	0	15.97			17.3	0.0				
100	QPSK	1	1	16.06								
100	QPSK	1	137	16.06			17.3	0.0				
100	QPSK	1	271	15.98								
100	QPSK	135	0	15.97			17.3	0.0				
100	QPSK	135	69	16.00								
100	QPSK	135	138	15.97			17.3	0.0				
100	QPSK	270	0	15.90								
100	16QAM	1	1	16.04			17.3	0.0				
100	64QAM	1	1	16.00								
100	256QAM	1	1	15.96			17.3	0.0				
Channel												
Frequency (MHz)												
90	QPSK	1	1	16.00	633332	633666	Tune-up limit	MPR				
				15.90	15.92	16.03	17.3	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	1	16.00	633332	634000	Tune-up limit	MPR				
				15.90	15.91	16.02	17.3	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	1	15.94	633332	634188	Tune-up limit	MPR				
				15.84	15.96	16.01	17.3	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	1	15.93	633332	634350	Tune-up limit	MPR				
				15.83	15.99	16.04	17.3	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	15.99	633332	635000	Tune-up limit	MPR				
				15.89	15.93	16.05	17.3	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	1	15.98	633332	635332	Tune-up limit	MPR				
				15.88	15.98	16.03	17.3	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	15.90	633332	635666	Tune-up limit	MPR				
				15.82	15.92	16.03	17.3	0.0				
Channel												
Frequency (MHz)												
25	QPSK	1	1	16.03	633332	635832	Tune-up limit	MPR				
				16.02	15.99	16.05	17.3	0.0				
Channel												
Frequency (MHz)												
20	QPSK	1	1	16.01	633332	635900	Tune-up limit	MPR				
				16.00	15.95	16.04	17.3	0.0				
Channel												
Frequency (MHz)												
15	QPSK	1	1	15.92	633332	636168	Tune-up limit	MPR				
				15.92	15.96	16.03	17.3	0.0				
Channel												
Frequency (MHz)												
10	QPSK	1	1	16.04	633332	636332	Tune-up limit	MPR				
				16.04	16.04	16.05	17.3	0.0				

Par27Q_n78_Ant 10												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	P12 BPSK	1	1	16.01			17.3	0.0				
100	P12 BPSK	1	137	16.06								
100	P12 BPSK	1	271	16.04			17.3	0.0				
100	P12 BPSK	135	0	16.03								
100	P12 BPSK	135	69	16.00			17.3	0.0				
100	P12 BPSK	135	138	16.03								
100	P12 BPSK	270	0	16.06			17.3	0.0				
100	QPSK	1	1	16.09								
100	QPSK	1	137	16.06			17.3	0.0				
100	QPSK	1	271	16.00								
100	QPSK	135	0	16.02			17.3	0.0				
100	QPSK	135	69	16.08								
100	QPSK	135	138	16.01			17.3	0.0				
100	QPSK	270	0	16.03								
100	16QAM	1	1	16.02			17.3	0.0				
100	64QAM	1	1	16.06								
100	256QAM	1	1	15.99			17.3	0.0				
Channel												
Frequency (MHz)												
90	QPSK	1	1	16.04	16.06	16.08	17.3	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	1	16.00	16.02	15.97	17.3	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	1	16.00	15.98	15.99	17.3	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	1	15.99	15.94	15.94	17.3	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	16.02	16.02	16.01	17.3	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	1	15.94	15.99	15.96	17.3	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	15.98	15.94	16.08	17.3	0.0				
Channel												
Frequency (MHz)												
25	QPSK	1	1	16.00	16.07	16.06	17.3	0.0				
Channel												
Frequency (MHz)												
20	QPSK	1	1	16.04	16.08	16.03	17.3	0.0				
Channel												
Frequency (MHz)												
15	QPSK	1	1	16.05	16.04	16.05	17.3	0.0				
Channel												
Frequency (MHz)												
10	QPSK	1	1	16.01	16.04	15.94	17.3	0.0				

Part27Q_n78_Ant 10 HPUE												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	P12 BPSK	1	1	15.99	16.0332	16.0666	17.3	0.0				
100	P12 BPSK	1	137	15.97	16.0332	16.0666						
100	P12 BPSK	1	271	16.02	16.0666	16.1000	17.3	0.0				
100	P12 BPSK	135	0	15.98	16.0666	16.1000						
100	P12 BPSK	135	69	16.00	16.0666	16.1000	17.3	0.0				
100	P12 BPSK	135	138	15.95	16.0666	16.1000						
100	P12 BPSK	270	0	15.97	16.0666	16.1000	17.3	0.0				
100	QPSK	1	1	16.06	16.1000	16.1333						
100	QPSK	1	137	15.98	16.0666	16.1000	17.3	0.0				
100	QPSK	1	271	15.98	16.0666	16.1000						
100	QPSK	135	0	15.97	16.0666	16.1000	17.3	0.0				
100	QPSK	135	69	16.00	16.0666	16.1000						
100	QPSK	135	138	15.97	16.0666	16.1000	17.3	0.0				
100	QPSK	270	0	15.90	16.0666	16.1000						
100	16QAM	1	1	16.04	16.0666	16.1000	17.3	0.0				
100	64QAM	1	1	16.00	16.0666	16.1000						
100	256QAM	1	1	15.96	16.0666	16.1000	17.3	0.0				
Channel												
Frequency (MHz)												
90	QPSK	1	1	16.00	15.92	16.03	17.3	0.0				
Channel												
Frequency (MHz)				635068	635332	635666	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3450	3458	3466	Tune-up limit (dBm)	MPR (dB)				
80	QPSK	1	1	15.92	16.01	16.02	17.3	0.0				
Channel												
Frequency (MHz)				635234	635332	635432	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3485	3491	3498	Tune-up limit (dBm)	MPR (dB)				
70	QPSK	1	1	15.84	15.96	16.01	17.3	0.0				
Channel												
Frequency (MHz)				3480	3490	3495	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3480	3490	3511	Tune-up limit (dBm)	MPR (dB)				
60	QPSK	1	1	15.80	15.89	15.94	17.3	0.0				
Channel												
Frequency (MHz)				631686	632332	633000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3475	3482	3489	Tune-up limit (dBm)	MPR (dB)				
50	QPSK	1	1	15.86	16.01	16.02	17.3	0.0				
Channel												
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3482	3491	3498	Tune-up limit (dBm)	MPR (dB)				
40	QPSK	1	1	15.86	16.02	16.03	17.3	0.0				
Channel												
Frequency (MHz)				631334	633332	635666	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3482	3490	3514	Tune-up limit (dBm)	MPR (dB)				
30	QPSK	1	1	15.80	15.93	16.01	17.3	0.0				
Channel												
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3482	3491	3517	Tune-up limit (dBm)	MPR (dB)				
25	QPSK	1	1	16.03	15.92	16.04	17.3	0.0				
Channel												
Frequency (MHz)				634215	633332	632100	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3460	3492	3540	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	16.01	15.95	15.93	17.3	0.0				
Channel												
Frequency (MHz)				630990	633332	633166	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3468	3491	3546	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	1	15.90	15.96	15.93	17.3	0.0				
Channel												
Frequency (MHz)				634030	633332	633932	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3468	3491	3546	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	1	16.04	16.04	16.04	17.3	0.0				

Part270_n78_Ant 10 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		16.01		17.3	0.0	
100	PI2 BPSK	1	137		16.06				
100	PI2 BPSK	1	271		16.04				
100	PI2 BPSK	135	0		16.03		17.3	0.0	
100	PI2 BPSK	135	69		16.05		17.3	0.0	
100	PI2 BPSK	135	138		16.03		17.3	0.0	
100	PI2 BPSK	270	0		16.06		17.3	0.0	
100	QPSK	1	1		16.05		17.3	0.0	
100	QPSK	1	137		16.06				
100	QPSK	1	271		16.00				
100	QPSK	135	0		16.02		17.3	0.0	
100	QPSK	135	69		16.08		17.3	0.0	
100	QPSK	135	138		16.01		17.3	0.0	
100	QPSK	270	0		16.03		17.3	0.0	
100	16QAM	1	1		16.02		17.3	0.0	
100	16QAM	1	1		16.06		17.3	0.0	
100	256QAM	1	1		15.99		17.3	0.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dbm)	MPR	
				3745.02	3750	3754.98	(dbm)	(db)	
90	QPSK	1	1	15.94	16.03	16.00	17.3	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dbm)	MPR	
				3740.01	3750	3759.99	(dbm)	(db)	
80	QPSK	1	1	16.00	16.02	15.97	17.3	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dbm)	MPR	
				3735	3750	3765	(dbm)	(db)	
70	QPSK	1	1	16.00	15.98	15.99	17.3	0.0	
Channel									
Frequency (MHz)				647302	647350	647398	Tune-up limit (dbm)	MPR	
				15.99	15.94	15.94	17.3	0.0	
60	QPSK	1	1	15.99	15.94	15.94	17.3	0.0	
Channel									
Frequency (MHz)				647000	650000	652996	Tune-up limit (dbm)	MPR	
				3725.01	3750	3774.99	(dbm)	(db)	
50	QPSK	1	1	16.02	16.02	16.01	17.3	0.0	
Channel									
Frequency (MHz)				648000	650000	652090	Tune-up limit (dbm)	MPR	
				3720	3750	3780	(dbm)	(db)	
40	QPSK	1	1	15.94	15.99	15.98	17.3	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dbm)	MPR	
				3715.02	3750	3784.98	(dbm)	(db)	
30	QPSK	1	1	15.98	15.94	16.00	17.3	0.0	
Channel									
Frequency (MHz)				647000	650000	652996	Tune-up limit (dbm)	MPR	
				3712.51	3750	3787.5	(dbm)	(db)	
25	QPSK	1	1	16.00	16.07	16.00	17.3	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dbm)	MPR	
				3710.01	3750	3789.99	(dbm)	(db)	
20	QPSK	1	1	15.94	16.00	16.03	17.3	0.0	
Channel									
Frequency (MHz)				647168	650000	652832	Tune-up limit (dbm)	MPR	
				3707.52	3750	3792.48	(dbm)	(db)	
15	QPSK	1	1	16.05	16.04	16.05	17.3	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dbm)	MPR	
				3705	3750	3795	(dbm)	(db)	
10	QPSK	1	1	16.01	16.04	15.94	17.3	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3469.98			
100	PI2 BPSK	1	1		13.39		14.7	0.0	
100	PI2 BPSK	1	137		13.45				
100	PI2 BPSK	1	271		13.39				
100	PI2 BPSK	135	0		13.49		14.7	0.0	
100	PI2 BPSK	135	69		13.45		14.7	0.0	
100	PI2 BPSK	135	138		13.47		14.7	0.0	
100	PI2 BPSK	270	0		13.48		14.7	0.0	
100	QPSK	1	1		13.53		14.7	0.0	
100	QPSK	1	137		13.41				
100	QPSK	1	271		13.40				
100	QPSK	135	0		13.37		14.7	0.0	
100	QPSK	135	69		13.46		14.7	0.0	
100	QPSK	135	138		13.45		14.7	0.0	
100	QPSK	270	0		13.39		14.7	0.0	
100	16QAM	1	1		13.48		14.7	0.0	
100	64QAM	1	1		13.52		14.7	0.0	
100	256QAM	1	1		13.40		14.7	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
				3449	3469.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	13.53	13.41	13.39	14.7	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
				3450.02	3469.98	3510	(dBm)	(dB)	
80	QPSK	1	1	13.39	13.49	13.47	14.7	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	
				3445.01	3469.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	13.44	13.46	13.40	14.7	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
				3440	3469.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	13.45	13.42	13.39	14.7	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
				3435.02	3469.98	3505	(dBm)	(dB)	
50	QPSK	1	1	13.48	13.51	13.46	14.7	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3430.01	3469.98	3513.98	(dBm)	(dB)	
40	QPSK	1	1	13.39	13.47	13.49	14.7	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3425	3469.98	3518.99	(dBm)	(dB)	
30	QPSK	1	1	13.49	13.47	13.42	14.7	0.0	
Channel									
Frequency (MHz)				630664	633332	635832	Tune-up limit (dBm)	MPR	
				3422.51	3469.98	3517.49	(dBm)	(dB)	
25	QPSK	1	1	13.52	13.51	13.44	14.7	0.0	
Channel									
Frequency (MHz)				630330	633332	636000	Tune-up limit (dBm)	MPR	
				3410.02	3469.98	3510	(dBm)	(dB)	
20	QPSK	1	1	13.46	13.44	13.48	14.7	0.0	
Channel									
Frequency (MHz)				630000	633332	636166	Tune-up limit (dBm)	MPR	
				3407.5	3469.98	3512.49	(dBm)	(dB)	
15	QPSK	1	1	13.51	13.49	13.38	14.7	0.0	
Channel									
Frequency (MHz)				629334	633332	636332	Tune-up limit (dBm)	MPR	
				3405.01	3469.98	3514.98	(dBm)	(dB)	
10	QPSK	1	1	13.49	13.41	13.40	14.7	0.0	

Part27O_n78_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		13.16				
100	PI2 BPSK	1	137		13.26		14.7	0.0	
100	PI2 BPSK	1	271		13.15				
100	PI2 BPSK	135	0		13.14		14.7	0.0	
100	PI2 BPSK	135	69		13.22		14.7	0.0	
100	PI2 BPSK	135	138		13.20				
100	PI2 BPSK	270	0		13.14		14.7	0.0	
100	QPSK	1	1		13.34				
100	QPSK	1	137		13.27		14.7	0.0	
100	QPSK	1	271		13.22				
100	QPSK	135	0		13.20		14.7	0.0	
100	QPSK	135	69		13.26		14.7	0.0	
100	QPSK	135	138		13.16				
100	QPSK	270	0		13.14		14.7	0.0	
100	16QAM	1	1		13.17		14.7	0.0	
100	16QAM	1	1		13.26		14.7	0.0	
100	256QAM	1	1		13.26		14.7	0.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
				3748.02	3750	3754.98			
90	QPSK	1	1	13.25	13.26	13.32	14.7	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR	(dB)
				3740.01	3750	3759.99			
80	QPSK	1	1	13.23	13.29	13.33	14.7	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR	(dB)
				3735	3750	3765			
70	QPSK	1	1	13.33	13.23	13.22	14.7	0.0	
Channel									
Frequency (MHz)				648502	650000	651508	Tune-up limit (dBm)	MPR	(dB)
				3730.01	3750	3769.98			
60	QPSK	1	1	13.20	13.29	13.33	14.7	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR	(dB)
				3725.01	3750	3774.99			
50	QPSK	1	1	13.29	13.32	13.24	14.7	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR	(dB)
				3720	3750	3780			
40	QPSK	1	1	13.20	13.33	13.31	14.7	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR	(dB)
				3713.02	3750	3774.98			
30	QPSK	1	1	13.33	13.26	13.20	14.7	0.0	
Channel									
Frequency (MHz)				647000	650000	652666	Tune-up limit (dBm)	MPR	(dB)
				3712.5	3750	3787.5			
25	QPSK	1	1	13.28	13.29	13.21	14.7	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR	(dB)
				3710.01	3750	3789.99			
20	QPSK	1	1	13.27	13.30	13.32	14.7	0.0	
Channel									
Frequency (MHz)				646165	650000	652832	Tune-up limit (dBm)	MPR	(dB)
				3707.52	3750	3792.48			
15	QPSK	1	1	13.26	13.21	13.24	14.7	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	(dB)
				3705	3750	3795			
10	QPSK	1	1	13.30	13.19	13.32	14.7	0.0	

Part27Q_n78_Ant 13 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3469.98			
100	PI2 BPSK	1	1		13.39				
100	PI2 BPSK	1	137		13.46		14.7	0.0	
100	PI2 BPSK	1	271		13.39				
100	PI2 BPSK	135	0		13.49		14.7	0.0	
100	PI2 BPSK	135	69		13.45		14.7	0.0	
100	PI2 BPSK	135	138		13.47				
100	PI2 BPSK	270	0		13.48		14.7	0.0	
100	QPSK	1	1		13.53				
100	QPSK	1	137		13.41		14.7	0.0	
100	QPSK	1	271		13.40				
100	QPSK	135	0		13.37		14.7	0.0	
100	QPSK	135	69		13.46		14.7	0.0	
100	QPSK	135	138		13.45				
100	QPSK	270	0		13.39		14.7	0.0	
100	16QAM	1	1		13.48		14.7	0.0	
100	16QAM	1	1		13.42		14.7	0.0	
100	256QAM	1	1		13.40		14.7	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	(dB)
				3450	3469.98	3504.99			
90	QPSK	1	1	13.52	13.41	13.39	14.7	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	(dB)
				3450.02	3469.98	3510			
80	QPSK	1	1	13.39	13.49	13.47	14.7	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	(dB)
				3445.01	3469.98	3514.98			
70	QPSK	1	1	13.44	13.46	13.40	14.7	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	(dB)
				3440	3469.98	3519.99			
60	QPSK	1	1	13.45	13.42	13.39	14.7	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	(dB)
				3435.02	3469.98	3505			
50	QPSK	1	1	13.48	13.51	13.46	14.7	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	(dB)
				3430.01	3469.98	3513.98			
40	QPSK	1	1	13.38	13.47	13.49	14.7	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	(dB)
				3425	3469.98	3518.99			
30	QPSK	1	1	13.49	13.47	13.42	14.7	0.0	
Channel									
Frequency (MHz)				630664	633332	635832	Tune-up limit (dBm)	MPR	(dB)
				3422.51	3469.98	3517.49			
25	QPSK	1	1	13.52	13.51	13.44	14.7	0.0	
Channel									
Frequency (MHz)				630330	633332	636000	Tune-up limit (dBm)	MPR	(dB)
				3420.02	3469.98	3510			
20	QPSK	1	1	13.46	13.44	13.48	14.7	0.0	
Channel									
Frequency (MHz)				630000	633332	636166	Tune-up limit (dBm)	MPR	(dB)
				3417.5	3469.98	3512.49			
15	QPSK	1	1	13.51	13.49	13.38	14.7	0.0	
Channel									
Frequency (MHz)				629534	633332	636332	Tune-up limit (dBm)	MPR	(dB)
				3415.01	3469.98	3514.98			
10	QPSK	1	1	13.49	13.41	13.40	14.7	0.0	

Part270_n78_Ant 13 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
650000									
100	P12 BPSK	1	1		13.16		14.7	0.0	
100	P12 BPSK	1	137		13.26				
100	P12 BPSK	1	271		13.15				
100	P12 BPSK	135	0		13.14				
100	P12 BPSK	135	69		13.22		14.7	0.0	
100	P12 BPSK	135	138		13.20		14.7	0.0	
100	P12 BPSK	270	0		13.14		14.7	0.0	
100	QPSK	1	1		13.34		14.7	0.0	
100	QPSK	1	137		13.27				
100	QPSK	1	271		13.22				
100	QPSK	135	0		13.20				
100	QPSK	135	69		13.26		14.7	0.0	
100	QPSK	135	138		13.16		14.7	0.0	
100	QPSK	270	0		13.14		14.7	0.0	
100	16QAM	1	1		13.17		14.7	0.0	
100	16QAM	1	1		13.26		14.7	0.0	
100	256QAM	1	1		13.26		14.7	0.0	
Channel									
Frequency (MHz)									
649668									
650000									
650332									
Tune-up limit									
MPR									
(dB)									
90	QPSK	1	1	13.25	13.26	13.32	14.7	0.0	
Channel									
Frequency (MHz)									
649334									
650000									
650666									
Tune-up limit									
MPR									
(dB)									
80	QPSK	1	1	17.40	17.50	17.58	14.7	0.0	
Channel									
Frequency (MHz)									
649000									
650000									
651000									
Tune-up limit									
MPR									
(dB)									
70	QPSK	1	1	13.33	13.23	13.25	14.7	0.0	
Channel									
Frequency (MHz)									
649334									
650000									
650666									
Tune-up limit									
MPR									
(dB)									
60	QPSK	1	1	13.20	13.29	13.33	14.7	0.0	
Channel									
Frequency (MHz)									
649000									
650000									
650666									
Tune-up limit									
MPR									
(dB)									
50	QPSK	1	1	13.29	13.32	13.34	14.7	0.0	
Channel									
Frequency (MHz)									
648668									
650000									
652000									
Tune-up limit									
MPR									
(dB)									
40	QPSK	1	1	13.20	13.33	13.31	14.7	0.0	
Channel									
Frequency (MHz)									
647668									
650000									
652332									
Tune-up limit									
MPR									
(dB)									
30	QPSK	1	1	13.33	13.26	13.20	14.7	0.0	
Channel									
Frequency (MHz)									
647000									
650000									
652666									
Tune-up limit									
MPR									
(dB)									
25	QPSK	1	1	13.28	13.28	13.21	14.7	0.0	
Channel									
Frequency (MHz)									
647334									
650000									
652666									
Tune-up limit									
MPR									
(dB)									
20	QPSK	1	1	13.27	13.30	13.32	14.7	0.0	
Channel									
Frequency (MHz)									
647168									
650000									
652900									
Tune-up limit									
MPR									
(dB)									
15	QPSK	1	1	13.26	13.21	13.24	14.7	0.0	
Channel									
Frequency (MHz)									
647000									
650000									
653000									
Tune-up limit									
MPR									
(dB)									
10	QPSK	1	1	13.30	13.19	13.32	14.7	0.0	

Part270_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
633332									
100	P12 BPSK	1	1		17.95		16.7	0.0	
100	P12 BPSK	1	137		17.87				
100	P12 BPSK	1	271		17.85				
100	P12 BPSK	135	0		17.83				
100	P12 BPSK	135	69		17.88		16.7	0.0	
100	P12 BPSK	135	138		17.81		16.7	0.0	
100	P12 BPSK	270	0		17.84		16.7	0.0	
100	QPSK	1	1		17.98		16.7	0.0	
100	QPSK	1	137		17.87				
100	QPSK	1	271		17.85				
100	QPSK	135	0		17.83				
100	QPSK	135	69		17.78		16.7	0.0	
100	QPSK	135	138		17.75		16.7	0.0	
100	QPSK	270	0		17.73		16.7	0.0	
100	16QAM	1	1		17.96		16.7	0.0	
100	64QAM	1	1		17.85		16.7	0.0	
100	256QAM	1	1		17.86		16.7	0.0	
Channel									
Frequency (MHz)									
633300									
90	QPSK	1	1	633300	633332	633366	Tune-up limit	MPR	
				3439	3439.8	3504.9	(dBm)	(dB)	
				17.87	17.85	17.84	16.7	0.0	
Channel									
Frequency (MHz)									
633502									
80	QPSK	1	1	3450.02	3459.18	3510	Tune-up limit	MPR	
				17.87	17.86	17.84	(dBm)	(dB)	
				17.85	17.83	17.81	16.7	0.0	
Channel									
Frequency (MHz)									
633534									
70	QPSK	1	1	3480.01	3489.98	3541.8	Tune-up limit	MPR	
				17.86	17.84	17.87	(dBm)	(dB)	
				17.85	17.83	17.84	16.7	0.0	
Channel									
Frequency (MHz)									
633566									
60	QPSK	1	1	3480	3489.98	3519.99	Tune-up limit	MPR	
				17.86	17.87	17.96	(dBm)	(dB)	
				17.85	17.83	17.85	16.7	0.0	
Channel									
Frequency (MHz)									
633752									
50	QPSK	1	1	3475.02	3489.98	3525	Tune-up limit	MPR	
				17.82	17.84	17.95	(dBm)	(dB)	
				17.81	17.83	17.85	16.7	0.0	
Channel									
Frequency (MHz)									
633784									
40	QPSK	1	1	3470.01	3489.98	3522.98	Tune-up limit	MPR	
				17.83	17.85	17.92	(dBm)	(dB)	
				17.82	17.84	17.86	16.7	0.0	
Channel									
Frequency (MHz)									
633816									
30	QPSK	1	1	3465.01	3489.98	3524.98	Tune-up limit	MPR	
				17.83	17.83	17.86	(dBm)	(dB)	
				17.82	17.85	17.87	16.7	0.0	
Channel									
Frequency (MHz)									
633848									
25	QPSK	1	1	3460.01	3489.98	3522.98	Tune-up limit	MPR	
				17.87	17.86	17.88	(dBm)	(dB)	
				17.86	17.85	17.87	16.7	0.0	
Channel									
Frequency (MHz)									
633880									
20	QPSK	1	1	3455.02	3489.98	3520	Tune-up limit	MPR	
				17.87	17.85	17.85	(dBm)	(dB)	
				17.85	17.83	17.84	16.7	0.0	
Channel									
Frequency (MHz)									
633912									
15	QPSK	1	1	3450.02	3489.98	3516.96	Tune-up limit	MPR	
				17.83	17.83	17.86	(dBm)	(dB)	
				17.82	17.83	17.84	16.7	0.0	
Channel									
Frequency (MHz)									
633934									
10	QPSK	1	1	3445.01	3489.98	3514.82	Tune-up limit	MPR	
				17.85	17.85	17.88	(dBm)	(dB)	
				17.84	17.85	17.87	16.7	0.0	

Part270_n78_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1		17.62		18.7	0.0	
100	Pl2 BPSK	1	137		17.67				
100	Pl2 BPSK	1	271		17.56				
100	Pl2 BPSK	135	0		17.56				
100	Pl2 BPSK	135	69		17.61		18.7	0.0	
100	Pl2 BPSK	135	135		17.65		18.7	0.0	
100	Pl2 BPSK	270	0		17.56		18.7	0.0	
100	QPSK	1	1		17.71		18.7	0.0	
100	QPSK	1	137		17.66				
100	QPSK	1	271		17.57				
100	QPSK	135	0		17.64				
100	QPSK	135	69		17.65		18.7	0.0	
100	QPSK	135	135		17.50		18.7	0.0	
100	QPSK	270	0		17.54		18.7	0.0	
100	16QAM	1	1		17.66		18.7	0.0	
100	16QAM	1	1		17.56		18.7	0.0	
100	256QAM	1	1		17.70		18.7	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3748.02	3750	3752.98	(dBm)	(dB)	
90	QPSK	1	1	17.60	17.62	17.65	18.7	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	17.60	17.62	17.64	18.7	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	17.67	17.62	17.57	18.7	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	17.57	17.65	17.79	18.7	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	17.69	17.58	17.70	18.7	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	17.70	17.68	17.57	18.7	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	17.64	17.64	17.55	18.7	0.0	
Channel				647330	650000	652660	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	17.64	17.67	17.60	18.7	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	17.67	17.60	17.65	18.7	0.0	
Channel				647165	650000	652835	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	17.68	17.68	17.67	18.7	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	17.63	17.58	17.60	18.7	0.0	

Part27Q_n78_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1		17.95		18.7	0.0	
100	Pl2 BPSK	1	137		17.97				
100	Pl2 BPSK	1	271		17.85				
100	Pl2 BPSK	135	0		17.83				
100	Pl2 BPSK	135	69		17.88		18.7	0.0	
100	Pl2 BPSK	135	135		17.81		18.7	0.0	
100	Pl2 BPSK	270	0		17.84		18.7	0.0	
100	QPSK	1	1		17.98		18.7	0.0	
100	QPSK	1	137		17.97				
100	QPSK	1	271		17.91				
100	QPSK	135	0		17.83				
100	QPSK	135	69		17.90		18.7	0.0	
100	QPSK	135	135		17.76		18.7	0.0	
100	QPSK	270	0		17.83		18.7	0.0	
100	16QAM	1	1		17.96		18.7	0.0	
100	16QAM	1	1		17.85		18.7	0.0	
100	256QAM	1	1		17.96		18.7	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	17.87	17.95	17.84	18.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	17.90	17.91	17.84	18.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	17.86	17.84	17.87	18.7	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	17.86	17.90	17.96	18.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	17.92	17.84	17.95	18.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	17.90	17.84	17.86	18.7	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	17.83	17.93	17.96	18.7	0.0	
Channel				630664	633332	635832	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)	
25	QPSK	1	1	17.87	17.95	17.85	18.7	0.0	
Channel				630668	633332	635800	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	17.89	17.86	17.88	18.7	0.0	
Channel				630500	633332	635160	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	17.83	17.93	17.96	18.7	0.0	
Channel				630334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)	
10	QPSK	1	1	17.92	17.95	17.94	18.7	0.0	

Part27Q_n78_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		17.62				
100	PI2 BPSK	1	137		17.67		18.7	0.0	
100	PI2 BPSK	1	271		17.56				
100	PI2 BPSK	135	0		17.56		18.7	0.0	
100	PI2 BPSK	135	69		17.61		18.7	0.0	
100	PI2 BPSK	135	138		17.65				
100	PI2 BPSK	270	0		17.56		18.7	0.0	
100	QPSK	1	1		17.71				
100	QPSK	1	137		17.66		18.7	0.0	
100	QPSK	1	271		17.57				
100	QPSK	135	0		17.64		18.7	0.0	
100	QPSK	135	69		17.65		18.7	0.0	
100	QPSK	135	138		17.50				
100	QPSK	270	0		17.54		18.7	0.0	
100	16QAM	1	1		17.66		18.7	0.0	
100	16QAM	1	1		17.56		18.7	0.0	
100	256QAM	1	1		17.70		18.7	0.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
				3748.02	3750	3752.98			
90	QPSK	1	1	17.60	17.62	17.65	18.7	0.0	
Channel									
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1	17.60	17.62	17.64	18.7	0.0	
Channel									
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR	(dB)
70	QPSK	1	1	17.67	17.62	17.57	18.7	0.0	
Channel									
Frequency (MHz)				3730.02	3750	3769.98	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1	17.57	17.65	17.79	18.7	0.0	
Channel									
Frequency (MHz)				3725.01	3750	3774.99	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1	17.69	17.58	17.70	18.7	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1	17.70	17.68	17.57	18.7	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR	(dB)
30	QPSK	1	1	17.64	17.64	17.55	18.7	0.0	
Channel									
Frequency (MHz)				647000	650000	652668	Tune-up limit (dBm)	MPR	(dB)
25	QPSK	1	1	17.64	17.67	17.60	18.7	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR	(dB)
20	QPSK	1	1	17.57	17.60	17.65	18.7	0.0	
Channel									
Frequency (MHz)				647101	650000	652999	Tune-up limit (dBm)	MPR	(dB)
15	QPSK	1	1	17.68	17.68	17.67	18.7	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	(dB)
10	QPSK	1	1	17.63	17.58	17.60	18.7	0.0	

Part27Q_n78_Ant 12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332					
100	PI2 BPSK	1	1		15.65				
100	PI2 BPSK	1	137		15.62		16.6	0.0	
100	PI2 BPSK	1	271		15.67				
100	PI2 BPSK	135	0		15.72		16.6	0.0	
100	PI2 BPSK	135	69		15.66		16.6	0.0	
100	PI2 BPSK	135	138		15.73				
100	PI2 BPSK	270	0		15.71		16.6	0.0	
100	QPSK	1	1		15.78				
100	QPSK	1	137		15.68		16.6	0.0	
100	QPSK	1	271		15.71				
100	QPSK	135	0		15.67		16.6	0.0	
100	QPSK	135	69		15.76		16.6	0.0	
100	QPSK	135	138		15.66				
100	QPSK	270	0		15.71		16.6	0.0	
100	16QAM	1	1		15.68		16.6	0.0	
100	16QAM	1	1		15.62		16.6	0.0	
100	256QAM	1	1		15.76		16.6	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	15.73	15.71	15.65	16.6	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	15.68	15.66	15.70	16.6	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	15.68	15.66	15.66	16.6	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	15.73	15.72	15.66	16.6	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3475.02	3499.98	3505			
50	QPSK	1	1	15.63	15.65	15.73	16.6	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3470.01	3499.98	3523.99			
40	QPSK	1	1	15.75	15.65	15.74	16.6	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3465	3499.98	3528.99			
30	QPSK	1	1	15.76	15.65	15.77	16.6	0.0	
Channel				630664	633332	635832	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3462.51	3499.98	3537.48			
25	QPSK	1	1	15.74	15.73	15.75	16.6	0.0	
Channel				630332	633332	636000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3450.02	3499.98	3540			
20	QPSK	1	1	15.66	15.74	15.73	16.6	0.0	
Channel				630000	633332	636166	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	15.76	15.68	15.73	16.6	0.0	
Channel				629554	633332	636332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	15.83	15.77	15.68	16.6	0.0	

Part270_n78_Ant 12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		15.69				
100	PI2 BPSK	1	137		15.70		16.6	0.0	
100	PI2 BPSK	1	271		15.64				
100	PI2 BPSK	135	0		15.71		16.6	0.0	
100	PI2 BPSK	135	69		15.68		16.6	0.0	
100	PI2 BPSK	135	138		15.59		16.6	0.0	
100	PI2 BPSK	270	0		15.69		16.6	0.0	
100	QPSK	1	1		15.71				
100	QPSK	1	137		15.62		16.6	0.0	
100	QPSK	1	271		15.57				
100	QPSK	135	0		15.62		16.6	0.0	
100	QPSK	135	69		15.65		16.6	0.0	
100	QPSK	135	138		15.57		16.6	0.0	
100	QPSK	270	0		15.63		16.6	0.0	
100	16QAM	1	1		15.71		16.6	0.0	
100	16QAM	1	1		15.62		16.6	0.0	
100	256QAM	1	1		15.70		16.6	0.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR	
				3745.02	3750	3754.98	(dB)	(dB)	
90	QPSK	1	1	15.60	15.69	15.50	16.6	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR	
				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	15.69	15.57	15.63	16.6	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR	
				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	15.58	15.69	15.70	16.6	0.0	
Channel									
Frequency (MHz)				648666	650000	651332	Tune-up limit (dBm)	MPR	
				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	15.56	15.58	15.56	16.6	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR	
				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	15.67	15.57	15.58	16.6	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	15.68	15.63	15.57	16.6	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR	
				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	15.58	15.70	15.68	16.6	0.0	
Channel									
Frequency (MHz)				647332	650000	652668	Tune-up limit (dBm)	MPR	
				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	15.63	15.58	15.61	16.6	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	15.57	15.63	15.65	16.6	0.0	
Channel									
Frequency (MHz)				647165	650000	652835	Tune-up limit (dBm)	MPR	
				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	15.57	15.64	15.65	16.6	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	15.59	15.60	15.62	16.6	0.0	

Part27Q_n78_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3499.98			
100	PI2 BPSK	1	1		15.65				
100	PI2 BPSK	1	137		15.62		16.6	0.0	
100	PI2 BPSK	1	271		15.67				
100	PI2 BPSK	135	0		15.72		16.6	0.0	
100	PI2 BPSK	135	69		15.66		16.6	0.0	
100	PI2 BPSK	135	138		15.73		16.6	0.0	
100	PI2 BPSK	270	0		15.64		16.6	0.0	
100	QPSK	1	1		15.78				
100	QPSK	1	137		15.68		16.6	0.0	
100	QPSK	1	271		15.71				
100	QPSK	135	0		15.67		16.6	0.0	
100	QPSK	135	69		15.76		16.6	0.0	
100	QPSK	135	138		15.66		16.6	0.0	
100	QPSK	270	0		15.71		16.6	0.0	
100	16QAM	1	1		15.68		16.6	0.0	
100	64QAM	1	1		15.62		16.6	0.0	
100	256QAM	1	1		15.76		16.6	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	15.72	15.71	15.65	16.6	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	15.65	15.66	15.70	16.6	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	
				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	15.68	15.66	15.66	16.6	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	15.73	15.72	15.66	16.6	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	15.63	15.65	15.73	16.6	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3470.03	3499.98	3523.98	(dBm)	(dB)	
40	QPSK	1	1	15.75	15.65	15.74	16.6	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3499.98	3531.99	(dBm)	(dB)	
30	QPSK	1	1	15.76	15.65	15.77	16.6	0.0	
Channel									
Frequency (MHz)				630664	633332	635832	Tune-up limit (dBm)	MPR	
				3462.51	3499.98	3537.48	(dBm)	(dB)	
25	QPSK	1	1	15.74	15.73	15.75	16.6	0.0	
Channel									
Frequency (MHz)				630332	633332	636000	Tune-up limit (dBm)	MPR	
				3450.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	15.66	15.74	15.73	16.6	0.0	
Channel									
Frequency (MHz)				630000	633332	636166	Tune-up limit (dBm)	MPR	
				3450.5	3499.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	15.76	15.68	15.73	16.6	0.0	
Channel									
Frequency (MHz)				629554	633332	636332	Tune-up limit (dBm)	MPR	
				3445.03	3499.98	3544.98	(dBm)	(dB)	
10	QPSK	1	1	15.83	15.77	15.68	16.6	0.0	

Part27O_n78_Ant 12 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750	16.6	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1	15.69					
100	PI2 BPSK	1	137	15.70					
100	PI2 BPSK	1	271	15.64					
100	PI2 BPSK	135	0	15.71					
100	PI2 BPSK	135	69	15.68			16.6	0.0	
100	PI2 BPSK	135	135	15.59					
100	PI2 BPSK	270	0	15.69					
100	QPSK	1	1	15.71					
100	QPSK	1	137	15.62			16.6	0.0	
100	QPSK	1	271	15.57					
100	QPSK	135	0	15.62					
100	QPSK	135	69	15.65					
100	QPSK	135	135	15.57					
100	QPSK	270	0	15.63			16.6	0.0	
100	16QAM	1	1	15.71					
100	64QAM	1	1	15.62					
100	256QAM	1	1	15.70					
Channel				648668		650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02		3750			
80	QPSK	1	1	15.60		15.59	16.6	0.0	
Channel				649334		650000			
Frequency (MHz)				3740.01		3750	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	15.69		15.57			
Channel				649000		650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735		3750			
70	QPSK	1	1	15.58		15.69	16.6	0.0	
Channel				649000		650000			
Frequency (MHz)				3730.02		3750	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	15.56		15.59			
Channel				648334		650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3728.01		3750			
50	QPSK	1	1	15.67		15.57	16.6	0.0	
Channel				648000		650000			
Frequency (MHz)				3720		3750	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	15.66		15.63			
Channel				647668		650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02		3750			
30	QPSK	1	1	15.58		15.70	16.6	0.0	
Channel				647000		650000			
Frequency (MHz)				3712.5		3750	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	15.63		15.59			
Channel				647334		650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01		3750			
20	QPSK	1	1	15.57		15.63	16.6	0.0	
Channel				647165		650000			
Frequency (MHz)				3707.52		3750	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.57		15.64			
Channel				647000		650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705		3750			
10	QPSK	1	1	15.59		15.62	16.6	0.0	

Reduced Power Mode for DSI 4

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq 374000	Power Middle Ch / Freq 376000	Power High Ch / Freq 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.43	20.45	20.50	20.9	0.0	
40	PI2 BPSK	1	108	20.38	20.49	20.48			
40	PI2 BPSK	1	214	20.50	20.47	20.38	20.9	0.0	
40	PI2 BPSK	108	0	20.38	20.48	20.48			
40	PI2 BPSK	108	54	20.50	20.44	20.48	20.9	0.0	
40	PI2 BPSK	108	108	20.50	20.53	20.38			
40	PI2 BPSK	216	0	20.43	20.58	20.41	20.9	0.0	
40	QPSK	1	1	20.54	20.51	20.50			
40	QPSK	1	108	20.40	20.52	20.52	20.9	0.0	
40	QPSK	1	214	20.47	20.47	20.45			
40	QPSK	108	0	20.37	20.49	20.39	20.9	0.0	
40	QPSK	108	54	20.36	20.56	20.46			
40	QPSK	108	108	20.37	20.53	20.41	20.9	0.0	
40	QPSK	216	0	20.40	20.46	20.44			
40	16QAM	1	1	20.48	20.58	20.47	20.9	0.0	
40	64QAM	1	1	20.45	20.45	20.51			
40	256QAM	1	1	19.35	19.33	19.30	19.9	1.0	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.41	20.51	20.51	Tune-up limit (dBm)	MPR (dB)	
				1867.5	1860	1862.5	(dBm)		
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.50	20.50	20.58	Tune-up limit (dBm)	MPR (dB)	
				1872.5	1870.0	1875.0	(dBm)		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.51	20.47	20.50	Tune-up limit (dBm)	MPR (dB)	
				1868.0	1865.0	1868.0	(dBm)		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.47	20.47	20.47	Tune-up limit (dBm)	MPR (dB)	
				1875.0	1870.0	1875.0	(dBm)		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.49	20.52	20.52	Tune-up limit (dBm)	MPR (dB)	
				1880.0	1875.0	1880.0	(dBm)		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.46	20.47	20.57	Tune-up limit (dBm)	MPR (dB)	
				1875.0	1870.0	1885.0	(dBm)		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.50	20.59	20.48	Tune-up limit (dBm)	MPR (dB)	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	19.99	20.14	20.10	20.7	0.0	
40	PI/2 BPSK	1	108	20.06	20.21	20.10			
40	PI/2 BPSK	1	214	19.95	20.13	20.09	20.7	0.0	
40	PI/2 BPSK	108	0	19.94	20.07	20.04			
40	PI/2 BPSK	108	54	19.93	20.09	19.96	20.7	0.0	
40	PI/2 BPSK	108	108	19.95	20.17	20.02			
40	PI/2 BPSK	216	0	19.99	20.21	19.98	20.7	0.0	
40	QPSK	1	1	20.12	20.22	20.05			
40	QPSK	1	108	20.04	20.19	20.05	20.7	0.0	
40	QPSK	1	214	19.98	20.21	19.96			
40	QPSK	108	0	20.00	20.14	20.00	20.7	0.0	
40	QPSK	108	54	20.16	20.20	20.16			
40	QPSK	108	108	20.06	20.10	20.03	20.7	0.0	
40	QPSK	216	0	19.93	20.16	19.99			
40	16QAM	1	1	19.94	20.19	20.09	20.7	0.0	
40	64QAM	1	1	20.01	20.11	19.98			
40	256QAM	1	1	18.38	18.40	18.27	19.2	1.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	19.73	19.90	19.73	Tune-up limit (dBm)	MPR (dB)	
				18.75	18.80	18.25			
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.08	20.08	20.04	Tune-up limit (dBm)	MPR (dB)	
				19.75	19.80	19.75			
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.99	20.14	20.00	Tune-up limit (dBm)	MPR (dB)	
				19.75	19.80	19.75			
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.08	20.14	20.06	Tune-up limit (dBm)	MPR (dB)	
				19.75	19.80	19.75			
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.07	20.19	19.98	Tune-up limit (dBm)	MPR (dB)	
				19.75	19.80	19.75			
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.05	20.09	20.00	Tune-up limit (dBm)	MPR (dB)	
				19.75	19.80	19.75			
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.00	20.18	20.05	Tune-up limit (dBm)	MPR (dB)	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq 376000	Power Middle Ch / Freq 376000	Power High Ch / Freq 376000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.01	21.01	21.05	21.8	0.0	
40	PI/2 BPSK	1	108	21.04	21.09	21.02			
40	PI/2 BPSK	1	214	21.01	21.05	21.01	21.8	0.0	
40	PI/2 BPSK	108	0	20.97	21.08	20.98			
40	PI/2 BPSK	108	54	21.01	21.07	21.04	21.8	0.0	
40	PI/2 BPSK	108	108	21.07	21.10	21.08			
40	PI/2 BPSK	216	0	21.09	21.05	21.04	21.8	0.0	
40	QPSK	1	1	21.08	21.11	21.07			
40	QPSK	1	108	21.06	21.01	21.03	21.8	0.0	
40	QPSK	1	214	20.99	21.04	21.05			
40	QPSK	108	0	21.00	21.04	20.98	21.8	0.0	
40	QPSK	108	54	21.05	21.05	21.05			
40	QPSK	108	108	21.03	21.06	21.00	21.8	0.0	
40	QPSK	216	0	21.01	21.08	21.02			
40	16QAM	1	1	19.98	21.05	21.02	21.8	0.0	
40	64QAM	1	1	21.07	21.10	20.99			
40	256QAM	1	1	19.84	19.95	19.82	20.3	1.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.02	21.00	20.97	Time-up limit (dBm)	MPR (dB)	
				1867	1860	1862.5	21.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.96	21.00	20.96	Time-up limit (dBm)	MPR (dB)	
				1865	1860	1865	21.8	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.97	21.02	21.01	Time-up limit (dBm)	MPR (dB)	
				1862.5	1860	1862.5	21.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.01	21.02	21.09	Time-up limit (dBm)	MPR (dB)	
				1860	1860	1865	21.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.07	21.07	21.06	Time-up limit (dBm)	MPR (dB)	
				1862.5	1860	1862.5	21.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.93	21.08	21.09	Time-up limit (dBm)	MPR (dB)	
				1850	1860	18150	21.8	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.05	21.09	21.03	Time-up limit (dBm)	MPR (dB)	
				1865	1860	1865	21.8	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.56	20.58	20.63			
40	PI2 BPSK	1	108	20.66	20.62	20.54	21.5		0.0
40	PI2 BPSK	1	214	20.56	20.60	20.56			
40	PI2 BPSK	108	0	20.59	20.64	20.50	21.5	0.0	
40	PI2 BPSK	108	84	20.56	20.58	20.52	21.5	0.0	
40	PI2 BPSK	108	108	20.58	20.64	20.63	21.5	0.0	
40	PI2 BPSK	216	0	20.55	20.60	20.58			
40	QPSK	1	1	20.52	20.57	20.54			
40	QPSK	1	108	20.60	20.58	20.61	21.5	0.0	
40	QPSK	1	214	20.56	20.61	20.56			
40	QPSK	108	0	20.51	20.61	20.57	21.5	0.0	
40	QPSK	108	84	20.51	20.63	20.57	21.5	0.0	
40	QPSK	108	108	20.49	20.60	20.52	21.5	0.0	
40	16QAM	1	1	20.57	20.58	20.61	21.5	0.0	
40	64QAM	1	1	20.58	20.58	20.53	21.5	0.0	
40	256QAM	1	1	19.18	19.21	19.11	20.5	1.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	37.500	37600	37600	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	20.53	20.53	20.57	21.5		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.57	20.61	20.50	21.5		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.56	20.62	20.60	21.5		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.55	20.60	20.60	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.49	20.64	20.52	21.5		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.44	20.60	20.58	21.5		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.46	20.53	20.49	21.5		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.59	20.59	20.49	21.5		0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	24.02	24.09	23.96			
20	PI2 BPSK	1	53	24.01	24.06	23.91	25.0	0.0	
20	PI2 BPSK	1	104	24.01	24.05	23.91		0.0	
20	PI2 BPSK	50	0	23.81	23.89	23.85	24.5	0.5	
20	PI2 BPSK	50	28	23.97	24.09	23.97	25.0	0.0	
20	PI2 BPSK	50	56	23.82	23.84	23.75	24.5	0.5	
20	PI2 BPSK	100	0	23.76	23.84	23.73			
20	QPSK	1	1	24.01	24.11	24.07			
20	QPSK	1	53	23.96	23.97	23.95	25.0	0.0	
20	QPSK	1	104	23.91	24.01	23.89			
20	QPSK	50	0	23.76	23.80	23.86	24.0	1.0	
20	QPSK	50	28	23.63	24.04	23.96	25.0	0.0	
20	QPSK	50	56	23.79	23.85	23.84	24.0	1.0	
20	QPSK	100	0	23.72	23.75	23.68			
20	16QAM	1	1	23.81	23.72	23.71	24.0	1.0	
20	64QAM	1	1	22.31	22.32	22.29	22.5	2.5	
20	256QAM	1	1	20.22	20.28	20.21	20.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	8.81	8.86	8.81	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.89	24.08	23.92	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.590	167300	168300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.95	24.05	23.99	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.92	24.10	23.98	25.0	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.40	23.53	23.41			
20	PI2 BPSK	1	53	23.42	23.52	23.43	24.5	0.0	
20	PI2 BPSK	1	104	23.41	23.51	23.44			
20	PI2 BPSK	50	0	23.03	23.08	22.95	24.0	0.5	
20	PI2 BPSK	50	28	23.54	23.55	23.41	24.5	0.0	
20	PI2 BPSK	50	56	22.89	23.03	23.01	24.0	0.5	
20	PI2 BPSK	100	0	22.95	23.04	22.89			
20	QPSK	1	1	23.77	23.87	23.84			
20	QPSK	1	53	23.73	23.77	23.76	24.5	0.0	
20	QPSK	1	104	23.59	23.65	23.58			
20	QPSK	50	0	23.03	23.05	22.93	23.5	1.0	
20	QPSK	50	28	23.05	23.73	23.03	24.5	0.0	
20	QPSK	50	56	22.87	23.01	22.93	23.5	1.0	
20	QPSK	100	0	22.98	23.02	22.99			
20	16QAM	1	1	22.90	22.98	22.89	23.5	1.0	
20	64QAM	1	1	21.35	21.44	21.32	22.0	2.5	
20	256QAM	1	1	19.34	19.46	19.37	20.0	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.631	16.635	16.615			
15	QPSK	1	1	23.84	23.75	23.77	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.67	23.83	23.76	24.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.76	23.82	23.78	24.5	0.0	

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BW [MHz]	Modulation	RB / Freq	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
50	Pl2 BPSK	1	1	21.27	21.32	21.31		21.7	0.0		
50	Pl2 BPSK	1	135	21.32	21.34	21.37					
50	Pl2 BPSK	1	268	21.34	21.34	21.34					
50	Pl2 BPSK	135	0	21.25	21.29	21.35	21.7	0.0	0.0		
50	Pl2 BPSK	135	68	21.23	21.32	21.31	21.7				
50	Pl2 BPSK	135	135	21.27	21.33	21.37	21.7				
50	Pl2 BPSK	270	0	21.29	21.32	21.35	21.7	0.0	0.0		
50	QPSK	1	1	21.27	21.38	21.37					
50	QPSK	1	135	21.24	21.32	21.36	21.7				
50	QPSK	1	268	21.32	21.33	21.29		21.7	0.0		
50	QPSK	135	0	21.27	21.36	21.32	21.7				
50	QPSK	135	68	21.25	21.38	21.37	21.7				
50	QPSK	135	135	21.26	21.35	21.23	21.7	0.0	0.0		
50	QPSK	270	0	21.23	21.29	21.25	21.7				
50	16QAM	1	1	21.36	21.37	21.30	21.7	0.0	0.0		
50	64QAM	1	1	21.15	21.13	21.00	21.7				
50	256QAM	1	1	18.89	18.88	18.95	19.7				
Channel											
Frequency (MHz)											
40	QPSK	1	1	21.28	21.29	21.35	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
35	QPSK	1	1	21.21	21.35	21.25	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	21.28	21.38	21.28	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	21.24	21.37	21.35	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	21.24	21.37	21.24	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	21.18	21.37	21.25	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	21.18	21.25	21.34	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
5	QPSK	1	1	21.17	21.32	21.24	21.7	0.0	0.0		
Channel											
Frequency (MHz)											

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 500000 2545	Power Middle Ch. / Freq. 507000 2545	Power High Ch. / Freq. 510000 2545	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
50	Pl2 BPSK	1	1	20.40	20.41	20.41		21.3	0.0		
50	Pl2 BPSK	1	135	20.35	20.37	20.31					
50	Pl2 BPSK	1	268	20.42	20.40	20.33					
50	Pl2 BPSK	135	0	20.36	20.34	20.31	21.3	0.0	0.0		
50	Pl2 BPSK	135	68	20.34	20.35	20.31	21.3				
50	Pl2 BPSK	135	135	20.34	20.37	20.42					
50	Pl2 BPSK	270	0	20.32	20.37	20.40	21.3	0.0	0.0		
50	QPSK	1	1	20.42	20.43	20.35					
50	QPSK	1	135	20.36	20.38	20.37					
50	QPSK	1	268	20.34	20.40	20.36		21.3	0.0		
50	QPSK	135	0	20.33	20.39	20.24	21.3				
50	QPSK	135	68	20.35	20.40	20.33	21.3				
50	QPSK	135	135	20.34	20.38	20.31	21.3	0.0	0.0		
50	QPSK	270	0	20.33	20.36	20.31	21.3				
50	16QAM	1	1	20.34	20.40	20.34	21.3				
50	64QAM	1	1	19.98	20.01	19.95	20.8	2.5	2.5		
50	256QAM	1	1	17.87	17.86	17.80	18.8				
Channel											
Frequency (MHz)											
40	QPSK	1	1	20.25	20.36	20.34	21.3	0.0	0.0		
Channel											
Frequency (MHz)											
35	QPSK	1	1	20.20	20.32	20.23	21.3	0.0	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	20.15	20.25	20.25	21.3	0.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	20.33	20.36	20.22	21.3	0.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	20.28	20.40	20.29	21.3	0.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	20.24	20.39	20.35	21.3	0.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	20.30	20.39	20.21	21.3	0.0	0.0		
Channel											
Frequency (MHz)											
5	QPSK	1	1	20.19	20.37	20.23	21.3	0.0	0.0		
Channel											
Frequency (MHz)											

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
50	Pl2 BPSK	1	1	20.89	20.95	20.94	21.7	0.0	0.0		
50	Pl2 BPSK	1	135	20.90	20.90	20.90					
50	Pl2 BPSK	1	268	20.89	20.95	20.88					
50	Pl2 BPSK	135	0	20.89	20.97	20.83	21.7	0.0	0.0		
50	Pl2 BPSK	135	68	20.88	20.92	20.87					
50	Pl2 BPSK	135	135	20.86	20.91	20.83					
50	Pl2 BPSK	270	0	20.87	20.93	20.85	21.7	0.0	0.0		
50	QPSK	1	1	20.92	20.98	20.93					
50	QPSK	1	135	20.87	20.92	20.81					
50	QPSK	1	268	20.85	20.93	20.81	21.7	0.0	0.0		
50	QPSK	135	0	20.84	20.88	20.80					
50	QPSK	135	68	20.87	20.93	20.82					
50	QPSK	135	135	20.80	20.82	20.80	21.7	0.0	0.0		
50	QPSK	270	0	20.86	20.87	20.86					
50	16QAM	1	1	20.95	20.90	20.86					
50	64QAM	1	1	20.89	20.88	20.95	21.7	0.0	0.0		
50	256QAM	1	1	19.37	19.47	19.43					
Channel											
Frequency (MHz)											
40	QPSK	1	1	20.68	20.86	20.84	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
35	QPSK	1	1	20.86	20.93	20.87	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	20.81	20.96	20.79	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	20.82	20.83	20.76	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	20.87	20.83	20.80	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	20.87	20.83	20.82	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	20.05	20.89	20.79	21.7	0.0	0.0		
Channel											
Frequency (MHz)											
5	QPSK	1	1	20.82	20.92	20.79	21.7	0.0	0.0		
Channel											
Frequency (MHz)											

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 500000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 506000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	Pl2 BPSK	1	1	19.89	19.96	19.90	21.4	0.0	
50	Pl2 BPSK	1	135	19.93	19.97	19.97			
50	Pl2 BPSK	1	265	19.92	19.92	19.96			
50	Pl2 BPSK	135	0	19.90	19.93	19.93	21.4	0.0	
50	Pl2 BPSK	135	68	19.89	19.98	19.96	21.4	0.0	
50	Pl2 BPSK	135	135	19.95	19.98	19.98	21.4	0.0	
50	Pl2 BPSK	270	0	19.92	19.93	19.98			
50	QPSK	1	1	19.98	20.02	20.00			
50	QPSK	1	135	19.90	19.92	19.97	21.4	0.0	
50	QPSK	1	265	19.89	20.01	19.91	21.4	0.0	
50	QPSK	135	0	19.91	19.93	19.89			
50	QPSK	135	68	19.91	20.01	19.96			
50	QPSK	135	135	19.92	19.94	19.95	21.4	0.0	
50	QPSK	270	0	19.93	19.95	19.92	21.4	0.0	
50	16QAM	1	1	19.90	20.00	19.97			
50	64QAM	1	1	19.92	20.00	19.92			
50	256QAM	1	1	18.45	18.53	18.44	20.4	1.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.20	25.35	25.50	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
35	QPSK	1	1	19.85	19.96	19.97	21.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.84	20.01	19.88	21.4	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.94	19.87	19.92	21.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.87	19.90	19.87	21.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.86	19.95	19.96	21.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.85	20.01	19.96	21.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.93	19.94	19.99	21.4	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.47	23.51	23.50	23.8	0.0	
15	Pl2 BPSK	1	40	23.46	23.48	23.42			
15	Pl2 BPSK	1	77	23.43	23.45	23.41			
15	Pl2 BPSK	36	0	22.96	23.03	22.99	23.3	0.5	
15	Pl2 BPSK	36	22	23.45	23.53	23.47	23.8	0.0	
15	Pl2 BPSK	36	43	22.87	22.97	22.87	23.3	0.5	
15	Pl2 BPSK	75	0	22.84	22.96	22.83			
15	QPSK	1	1	23.44	23.50	23.45			
15	QPSK	1	40	23.39	23.43	23.28	23.8	0.0	
15	QPSK	1	77	23.30	23.40	23.36	22.8	1.0	
15	QPSK	36	0	22.50	22.56	22.51			
15	QPSK	36	22	23.41	23.45	23.31			
15	QPSK	36	43	22.44	22.49	22.41	22.8	1.0	
15	QPSK	75	0	22.38	22.45	22.34	22.8	1.0	
15	16QAM	1	1	22.40	22.54	22.49			
15	64QAM	1	1	20.88	21.02	20.95		21.3	
15	256QAM	1	1	18.99	19.04	19.03	19.3	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	70.4	707.5	711	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.42	23.42	23.40	23.8	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	141.90	141.90	141.90	23.3	0.0	
15	Pl2 BPSK	1	1	22.73	22.81	22.68			
15	Pl2 BPSK	1	40	22.72	22.78	22.75			
15	Pl2 BPSK	1	77	22.72	22.73	22.73	22.8	0.5	
15	Pl2 BPSK	36	0	22.20	22.31	22.28			
15	Pl2 BPSK	36	22	22.72	22.85	22.78			
15	Pl2 BPSK	36	43	22.17	22.29	22.21	23.3	0.0	
15	Pl2 BPSK	75	0	22.23	22.31	22.31	22.8	0.5	
15	QPSK	1	1	22.77	22.91	22.85			
15	QPSK	1	40	22.59	22.72	22.64			
15	QPSK	1	77	22.67	22.81	22.67	23.3	0.0	
15	QPSK	36	0	21.78	21.84	21.69	22.3	1.0	
15	QPSK	36	22	22.72	22.73	22.68			
15	QPSK	36	43	21.77	21.78	21.77			
15	QPSK	75	0	21.74	21.82	21.81	22.3	1.0	
15	16QAM	1	1	21.72	21.77	21.67			
15	64QAM	1	1	20.23	20.25	20.12			
15	256QAM	1	1	18.24	18.31	18.18	18.8	2.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	142.00	141.90	142.00	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.62	22.63	22.63	23.3	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.85	22.80	22.82	23.3	0.0	

n13_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	PI2 BPSK	1	1	23.86	762		25.0	0.0			
10	PI2 BPSK	1	26	23.94							
10	PI2 BPSK	1	50	23.99							
10	PI2 BPSK	25	0	23.94			24.5	0.5			
10	PI2 BPSK	25	14	23.91			25.0	0.0			
10	PI2 BPSK	25	27	23.97			24.5	0.5			
10	PI2 BPSK	50	0	23.86							
10	QPSK	1	1	23.01							
10	QPSK	1	26	23.92			25.0	0.0			
10	QPSK	1	50	23.88			24.0	1.0			
10	QPSK	25	0	23.65							
10	QPSK	25	14	23.53							
10	QPSK	25	27	23.67			24.0	1.0			
10	QPSK	50	0	23.68							
10	16QAM	1	1	23.67			24.0	1.0			
10	64QAM	1	1	22.06			22.5	2.5			
10	256QAM	1	1	20.01			20.5	4.5			
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.52	762	764.5	25.0	0.0			

n13_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	PI2 BPSK	1	1	752	23.75		24.5	0.0			
10	PI2 BPSK	1	26	23.72							
10	PI2 BPSK	1	50	23.73							
10	PI2 BPSK	25	0	23.42	23.73		24.0	0.5			
10	PI2 BPSK	25	14	23.78	23.74		24.5	0.0			
10	PI2 BPSK	25	27	23.46			24.0	0.5			
10	PI2 BPSK	50	0	23.51							
10	QPSK	1	1	23.53							
10	QPSK	1	26	23.81			24.5	0.0			
10	QPSK	1	50	23.76			23.5	1.0			
10	QPSK	25	0	22.93							
10	QPSK	25	14	23.69							
10	QPSK	25	27	22.98			23.5	1.0			
10	QPSK	50	0	22.99							
10	16QAM	1	1	22.93			23.5	1.0			
10	64QAM	1	1	21.43			22.0	2.5			
10	256QAM	1	1	19.35			20.0	4.5			
Channel											
Frequency (MHz)											
5	QPSK	1	1	155900	779.5	784.5	24.5	0.0			
5	QPSK	1	1	23.77	23.68	23.75	24.5	0.0			

n25_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	20.49	20.45	20.47	20.9	0.0	
40	PI/2 BPSK	1	108	20.40	20.50	20.42			
40	PI/2 BPSK	1	214	20.43	20.43	20.48			
40	PI/2 BPSK	108	0	20.47	20.46	20.43	20.9	0.0	
40	PI/2 BPSK	108	54	20.42	20.46	20.47	20.9	0.0	
40	PI/2 BPSK	108	108	20.50	20.45	20.42	20.9	0.0	
40	PI/2 BPSK	216	0	20.47	20.46	20.49			
40	QPSK	1	1	20.47	20.51	20.49			
40	QPSK	1	108	20.38	20.47	20.45	20.9	0.0	
40	QPSK	1	214	20.42	20.47	20.41	20.9	0.0	
40	QPSK	108	0	20.42	20.43	20.42			
40	QPSK	108	54	20.43	20.45	20.43			
40	QPSK	108	108	20.42	20.41	20.42	20.9	0.0	
40	QPSK	216	0	20.40	20.43	20.42			
40	16QAM	1	1	20.49	20.42	20.45	20.9	0.0	
40	64QAM	1	1	20.42	20.48	20.43	20.9	0.0	
40	256QAM	1	1	18.65	18.81	18.71	19.4	1.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.75	18.25	18.75	20.9	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.34	20.50	20.42	20.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	1882.5	1882.5	1882.5	20.9	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.42	20.49	20.43	20.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.44	20.46	20.47	20.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.42	20.41	20.44	20.9	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.35	20.39	20.41	20.9	0.0	

n25_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq 374000	Power Middle Ch / Freq 376500	Power High Ch / Freq 379000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	20.64	20.69	20.64			
40	PI/2 BPSK	1	108	20.71	20.70	20.76	21.0		0.0
40	PI/2 BPSK	1	214	20.68	20.70	20.76			
40	PI/2 BPSK	108	0	20.73	20.69	20.69	21.0		0.0
40	PI/2 BPSK	108	54	20.72	20.78	20.75	21.0		0.0
40	PI/2 BPSK	108	108	20.71	20.74	20.74	21.0		0.0
40	PI/2 BPSK	216	0	20.67	20.76	20.76	21.0		0.0
40	QPSK	1	1	20.69	20.69	20.66			
40	QPSK	1	108	20.70	20.80	20.74	21.0		0.0
40	QPSK	1	214	20.61	20.69	20.64			
40	QPSK	108	0	20.62	20.67	20.67	21.0		0.0
40	QPSK	108	54	20.70	20.76	20.66	21.0		0.0
40	QPSK	108	108	20.68	20.68	20.60	21.0		0.0
40	QPSK	216	0	20.67	20.71	20.68			
40	16QAM	1	1	20.71	20.67	20.66	21.0		0.0
40	64QAM	1	1	20.05	20.07	19.85	20.5		0.5
40	256QAM	1	1	17.79	17.87	17.80	18.5		2.5
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.46	20.54	20.59	21.0		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.48	20.55	20.62	21.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.54	20.55	20.58	21.0		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.58	20.61	20.59	21.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.52	20.67	20.61	21.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.49	20.55	20.56	21.0		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.52	20.56	20.65	21.0		0.0

n25_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq 374000	Power Middle Ch / Freq 376500	Power High Ch / Freq 379000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	21.07	20.99	20.94			
40	PI2 BPSK	1	108	21.06	21.02	21.02	21.9		0.0
40	PI2 BPSK	1	214	20.97	21.04	21.05			
40	PI2 BPSK	108	0	21.07	21.00	20.97	21.9		0.0
40	PI2 BPSK	108	54	20.94	20.97	21.07	21.9		0.0
40	PI2 BPSK	108	108	20.93	21.02	20.93			
40	PI2 BPSK	216	0	20.97	21.01	21.06	21.9		0.0
40	QPSK	1	1	21.03	21.05	21.05			
40	QPSK	1	108	20.99	21.09	21.03	21.9		0.0
40	QPSK	1	214	20.96	21.00	20.97			
40	QPSK	108	0	20.96	21.04	20.93	21.9		0.0
40	QPSK	108	54	21.01	21.07	21.06	21.9		0.0
40	QPSK	108	108	21.00	21.01	20.98			
40	QPSK	216	0	20.96	21.06	21.05	21.9		0.0
40	16QAM	1	1	20.94	21.02	21.02	21.9		0.0
40	64QAM	1	1	21.02	20.96	21.03	21.9		0.0
40	256QAM	1	1	19.62	19.68	19.64	20.4		1.5
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.01	21.04	20.92	21.9		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.89	21.03	20.91	21.9		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.00	21.01	21.01	21.9		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.98	21.08	20.91	21.9		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.92	21.02	20.92	21.9		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.98	21.04	20.91	21.9		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.97	21.11	20.95	21.9		0.0

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	20.39	20.39	20.33			
40	PI/2 BPSK	1	108	20.26	20.40	20.39	21.4		0.0
40	PI/2 BPSK	1	214	20.26	20.41	20.36			
40	PI/2 BPSK	108	0	20.36	20.34	20.30	21.4		0.0
40	PI/2 BPSK	108	54	20.32	20.41	20.32	21.4		0.0
40	PI/2 BPSK	108	108	20.26	20.34	20.32			
40	PI/2 BPSK	216	0	20.32	20.34	20.41	21.4		0.0
40	QPSK	1	1	20.38	20.42	20.35			
40	QPSK	1	108	20.30	20.36	20.31	21.4		0.0
40	QPSK	1	214	20.27	20.33	20.35			
40	QPSK	108	0	20.32	20.33	20.27	21.4		0.0
40	QPSK	108	54	20.36	20.37	20.11	21.4		0.0
40	QPSK	108	108	20.33	20.35	20.27			
40	QPSK	216	0	20.24	20.34	20.31	21.4		0.0
40	16QAM	1	1	20.33	20.38	20.32	21.4		0.0
40	64QAM	1	1	20.40	20.32	20.33	21.4		0.0
40	256QAM	1	1	18.95	19.10	19.05	20.4		1.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.27	20.31	20.23	21.4		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.37	20.39	20.27	21.4		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.33	20.35	20.25	21.4		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.24	20.33	20.27	21.4		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.32	20.35	20.23	21.4		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.24	20.37	20.34	21.4		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.27	20.31	20.28	21.4		0.0

n26(FCC)_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	24.05	24.03	24.03	25.0	0.0
20	PI/2 BPSK	1	53	24.00	24.10	24.02		
20	PI/2 BPSK	1	104	23.88	23.95	23.84		
20	PI/2 BPSK	50	0	24.04	24.09	24.04	24.5	0.5
20	PI/2 BPSK	50	28	24.08	24.04	24.03	25.0	0.0
20	PI/2 BPSK	50	56	24.03	24.04	23.96	24.5	0.5
20	PI/2 BPSK	100	0	24.10	24.02	23.98		
20	QPSK	1	1	23.07	23.12	23.03		
20	QPSK	1	53	24.01	24.02	23.99	25.0	0.0
20	QPSK	1	104	23.91	23.96	23.83	24.0	1.0
20	QPSK	50	0	23.96	23.60	23.51		
20	QPSK	50	28	23.95	24.05	23.91		
20	QPSK	50	56	23.51	23.54	23.43	24.0	1.0
20	QPSK	100	0	23.48	23.62	23.59		
20	HQAM	1	1	23.52	23.60	23.52	24.0	1.0
20	HQAM	1	1	22.08	22.09	22.07	22.5	2.5
20	256QAM	1	1	20.03	20.12	20.03	20.5	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.14	24.05	23.98	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.00	24.05	23.97	25.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.92	23.97	23.96	25.0	0.0

n26(FCC)_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	23.62	23.72	23.69	24.5	0.0
20	PI/2 BPSK	1	53	23.59	23.73	23.68		
20	PI/2 BPSK	1	104	23.55	23.57	23.44		
20	PI/2 BPSK	50	0	23.15	23.29	23.20	24.0	0.5
20	PI/2 BPSK	50	28	23.58	23.71	23.61	24.5	0.0
20	PI/2 BPSK	50	56	23.10	23.18	23.03	24.0	0.5
20	PI/2 BPSK	100	0	23.16	23.29	23.22		
20	QPSK	1	1	23.75	23.83	23.73		
20	QPSK	1	53	23.64	23.68	23.62	24.5	0.0
20	QPSK	1	104	23.42	23.56	23.51	23.5	1.0
20	QPSK	50	0	22.67	22.78	22.69		
20	QPSK	50	28	22.74	22.65	22.62		
20	QPSK	50	56	22.64	22.68	22.55	23.5	1.0
20	QPSK	100	0	22.71	22.77	22.72		
20	HQAM	1	1	22.72	22.77	22.68	23.5	1.0
20	HQAM	1	1	21.10	21.22	21.13	22.0	2.5
20	256QAM	1	1	19.18	19.25	19.14	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.69	23.78	23.78	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.67	23.69	23.76	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.63	23.71	23.69	24.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	Plz2 BPSK	1	1	21.95			22.8	0.0
10	Plz2 BPSK	1	26	21.93				
10	Plz2 BPSK	1	50	21.87			22.8	0.0
10	Plz2 BPSK	25	0	21.88				
10	Plz2 BPSK	25	14	21.91			22.8	0.0
10	Plz2 BPSK	25	27	21.95				
10	Plz2 BPSK	50	0	21.92			22.8	0.0
10	QPSK	1	1	21.97				
10	QPSK	1	26	21.82			22.8	0.0
10	QPSK	1	50	21.92				
10	QPSK	25	0	21.84			22.8	0.0
10	QPSK	25	14	21.91				
10	QPSK	25	27	21.84			22.8	0.0
10	QPSK	50	0	21.86				
10	16QAM	1	1	21.91			22.8	0.0
10	16QAM	1	1	21.11				
10	256QAM	1	1	19.26			20.3	2.5
Channel				461900	462000	462500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)
5	QPSK	1	1	21.62	21.91	21.95	22.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	Plz2 BPSK	1	1	20.40			21.4	0.0
10	Plz2 BPSK	1	26	20.48				
10	Plz2 BPSK	1	50	20.47			21.4	0.0
10	Plz2 BPSK	25	0	20.43				
10	Plz2 BPSK	25	14	20.48			21.4	0.0
10	Plz2 BPSK	25	27	20.44				
10	Plz2 BPSK	50	0	20.46			21.4	0.0
10	QPSK	1	1	20.45				
10	QPSK	1	26	20.46			21.4	0.0
10	QPSK	1	50	20.47				
10	QPSK	25	0	20.42			21.4	0.0
10	QPSK	25	14	20.46				
10	QPSK	25	27	20.38			21.4	0.0
10	QPSK	50	0	20.38				
10	16QAM	1	1	20.39			21.4	0.0
10	16QAM	1	1	20.41				
10	256QAM	1	1	18.37			19.4	2.0
Channel				461900	462000	462500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)
5	QPSK	1	1	20.36	20.43	20.44	21.4	0.0

n66_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
45	Pl2 BPSK	1	1	20.26	20.40	20.27	21.6	0.0			
45	Pl2 BPSK	1	122	20.23	20.36	20.30					
45	Pl2 BPSK	1	243	20.34	20.45	20.29					
45	Pl2 BPSK	120	0	20.24	20.37	20.19	21.6	0.0			
45	Pl2 BPSK	120	60	20.36	20.37	20.19	21.6	0.0			
45	Pl2 BPSK	120	122	20.24	20.42	20.30	21.6	0.0			
45	Pl2 BPSK	240	0	20.33	20.36	20.29					
45	QPSK	1	1	20.38	20.46	20.38					
45	QPSK	1	122	20.24	20.36	20.20	21.6	0.0			
45	QPSK	1	243	20.35	20.44	20.31					
45	QPSK	120	0	20.23	20.35	20.26	21.6	0.0			
45	QPSK	120	60	20.31	20.44	20.36	21.6	0.0			
45	QPSK	120	122	20.24	20.35	20.32	21.6	0.0			
45	QPSK	240	0	20.30	20.38	20.26					
45	16QAM	1	1	20.35	20.44	20.25	21.6	0.0			
45	64QAM	1	1	20.29	20.32	20.26	21.6	0.0			
45	256QAM	1	1	19.16	19.18	19.23	20.6	1.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	20.35	20.39	20.34	21.6	0.0			
Channel											
Frequency (MHz)											
35	QPSK	1	1	20.28	20.32	20.26	21.6	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	20.24	20.36	20.36	21.6	0.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	20.30	20.33	20.28	21.6	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	20.24	20.33	20.26	21.6	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	20.22	20.33	20.34	21.6	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	20.24	20.40	20.26	21.6	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	20.24	20.45	20.35	21.6	0.0			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
35	Pl2 BPSK	1	1	22.13		23.8	0.0							
35	Pl2 BPSK	1	90	22.15										
35	Pl2 BPSK	1	186	21.93										
35	Pl2 BPSK	90	0	22.07		23.3	0.5							
35	Pl2 BPSK	90	45	22.10		23.8	0.0							
35	Pl2 BPSK	90	90	22.24		23.3	0.5							
35	Pl2 BPSK	180	0	22.01										
35	QPSK	1	1	22.05										
35	QPSK	1	90	23.57		23.8	0.0							
35	QPSK	1	186	23.49										
35	QPSK	90	0	22.57		22.8	1.0							
35	QPSK	90	45	22.51		23.8	0.0							
35	QPSK	90	90	22.52		22.8	1.0							
35	QPSK	180	0	22.46										
35	16QAM	1	1	22.48		22.8	1.0							
35	64QAM	1	1	21.08		21.3	2.5							
35	256QAM	1	1	18.89		19.3	4.5							
Channel														
Frequency (MHz)														
30	QPSK	1	1	23.63	23.62	23.59	23.8	0.0						
Channel														
Frequency (MHz)														
25	QPSK	1	1	23.61	23.52	23.63	23.8	0.0						
Channel														
Frequency (MHz)														
20	QPSK	1	1	23.54	23.53	23.56	23.8	0.0						
Channel														
Frequency (MHz)														
15	QPSK	1	1	23.62	23.51	23.61	23.8	0.0						
Channel														
Frequency (MHz)														
10	QPSK	1	1	23.52	23.63	23.63	23.8	0.0						
Channel														
Frequency (MHz)														
5	QPSK	1	1	23.54	23.53	23.57	23.8	0.0						

n71_Ant 0													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
35	Pl2 BPSK	1	1	21.45		23.3	0.0						
35	Pl2 BPSK	1	90	21.50									
35	Pl2 BPSK	1	186	21.36									
35	Pl2 BPSK	90	0	21.36		22.8	0.5						
35	Pl2 BPSK	90	45	21.56		23.3	0.0						
35	Pl2 BPSK	90	90	21.36		22.8	0.5						
35	Pl2 BPSK	180	0	21.32									
35	QPSK	1	1	22.07									
35	QPSK	1	90	22.83		23.3	0.0						
35	QPSK	1	186	22.84									
35	QPSK	90	0	21.91		22.3	1.0						
35	QPSK	90	45	22.86		23.3	0.0						
35	QPSK	90	90	21.96		22.3	1.0						
35	QPSK	180	0	21.83									
35	16QAM	1	1	21.91		22.3	1.0						
35	64QAM	1	1	20.43		20.8	2.5						
35	256QAM	1	1	18.24		18.8	4.5						
Channel													
Frequency (MHz)													
30	QPSK	1	1	22.96	22.82	22.86	23.3	0.0					
Channel													
Frequency (MHz)													
30	QPSK	1	1	22.96	22.88	22.85	23.3	0.0					
Channel													
Frequency (MHz)													
25	QPSK	1	1	22.96	22.95	22.85	23.3	0.0					
Channel													
Frequency (MHz)													
20	QPSK	1	1	22.95	22.95	22.85	23.3	0.0					
Channel													
Frequency (MHz)													
15	QPSK	1	1	22.96	22.91	22.83	23.3	0.0					
Channel													
Frequency (MHz)													
10	QPSK	1	1	22.96	22.96	22.91	23.3	0.0					
Channel													
Frequency (MHz)													
5	QPSK	1	1	22.85	22.87	22.90	23.3	0.0					

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BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PL2 BPSK	1	1	20.06	20.20	20.10			
40	PL2 BPSK	1	53	19.91	20.21	20.17	21.1	0.0	
40	PL2 BPSK	1	104	20.04	20.15	20.09			
40	PL2 BPSK	50	0	20.01	20.23	20.15	21.1	0.0	
40	PL2 BPSK	50	26	19.96	20.17	20.15	21.1	0.0	
40	PL2 BPSK	50	56	20.03	20.14	20.17	21.1	0.0	
40	PL2 BPSK	100	0	20.01	20.19	20.15			
40	QPSK	1	1	20.08	20.28	20.19			
40	QPSK	1	53	19.90	20.14	20.15	21.1	0.0	
40	QPSK	1	104	20.02	20.16	20.15			
40	QPSK	50	0	20.02	20.11	20.04	21.1	0.0	
40	QPSK	50	26	20.01	20.10	20.11	21.1	0.0	
40	QPSK	50	56	19.91	20.14	20.10	21.1	0.0	
40	QPSK	100	0	19.98	20.11	20.11			
40	QPSK	100	1	19.96	20.16	20.15	21.1	0.0	
40	QPSK	1	1	19.99	20.15	20.09	21.1	0.0	
40	QPSK	1	1	19.79	19.90	19.75	20.7	0.4	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.02	20.12	20.10	21.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.94	20.12	20.14	21.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.97	20.23	20.15	21.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.94	20.11	20.08	21.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.00	20.14	20.13	21.1	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up time (min)	MFR	
Channel									
Frequency (MHz)									
40	PL2 BPSK	1	1	20.01	20.03	20.05			
40	PL2 BPSK	1	53	20.06	20.04	20.02	22.0		0.0
40	PL2 BPSK	1	104	20.04	20.06	20.03			
40	PL2 BPSK	50	0	20.02	20.09	20.05	22.0		0.0
40	PL2 BPSK	50	26	20.08	20.03	20.09	22.0		0.0
40	PL2 BPSK	50	56	20.07	21.02	20.07	22.0		0.0
40	PL2 BPSK	100	0	20.02	20.07	20.09	22.0		0.0
40	QPSK	1	1	20.06	21.03	21.09			
40	QPSK	1	53	20.07	20.07	20.06	22.0		0.0
40	QPSK	1	104	20.06	21.02	20.11	22.0		0.0
40	QPSK	50	0	20.04	20.03	20.01	22.0		0.0
40	QPSK	50	26	20.06	21.02	20.10	22.0		0.0
40	QPSK	50	56	20.08	20.05	20.09	22.0		0.0
40	QPSK	100	0	20.06	21.01	20.07	22.0		0.0
40	QPSK	100	1	20.05	20.05	20.05	22.0		0.0
40	QPSK	1	1	20.04	20.09	20.09	22.0		0.0
40	QPSK	1	1	19.90	19.90	19.90	20.2		1.8
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.07	20.07	20.07	22.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.03	20.09	20.09	22.0		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.03	20.06	20.04	22.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.03	20.06	20.09	22.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.00	20.09	20.12	22.0		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PL2 BPSK	1	1	20.29	20.30	20.30			
40	PL2 BPSK	1	53	20.18	20.25	20.31	21.4	0.0	
40	PL2 BPSK	1	104	20.25	20.30	20.35			
40	PL2 BPSK	50	0	20.19	20.25	20.33	21.4	0.0	
40	PL2 BPSK	50	26	20.18	20.45	20.29	21.4	0.0	
40	PL2 BPSK	50	56	20.23	20.40	20.31	21.4	0.0	
40	PL2 BPSK	100	0	20.22	20.37	20.38			
40	QPSK	1	1	20.32	20.41	20.40			
40	QPSK	1	53	20.31	20.32	20.30	21.4	0.0	
40	QPSK	1	104	20.31	20.33	20.33			
40	QPSK	50	0	20.13	20.38	20.31	21.4	0.0	
40	QPSK	50	26	20.27	20.35	20.34	21.4	0.0	
40	QPSK	50	56	20.16	20.32	20.25	21.4	0.0	
40	QPSK	100	0	20.20	20.30	20.30	21.4	0.0	
40	QPSK	100	1	20.29	20.35	20.35	21.4	0.0	
40	QPSK	1	1	20.30	20.28	20.32	21.4	0.0	
40	QPSK	1	1	19.80	20.05	19.97	20.0	0.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.31	20.30	20.30	21.4	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.27	20.30	20.26	21.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.18	20.40	20.38	21.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.21	20.37	20.30	21.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.26	20.37	20.32	21.4	0.0	

n38_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Fmax)	Power Mid Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (min)
Channel							
Frequency (MHz)							
40	PLV BPSK	1	1	19.88	19.72	19.54	21.3
40	PLV BPSK	1	15	19.76	19.70	19.51	0.0
40	PLV BPSK	1	104	19.73	19.70	19.58	0.0
40	PLV BPSK	160	0	19.70	19.68	19.61	21.3
40	PLV BPSK	80	26	19.69	19.70	19.50	0.0
40	PLV BPSK	160	56	19.68	19.70	19.53	21.3
40	PLV BPSK	160	0	19.74	19.60	19.47	0.0
40	QPSK	1	1	19.76	19.62	19.49	21.3
40	QPSK	1	15	19.60	19.67	19.55	0.0
40	QPSK	1	104	19.54	19.60	19.50	0.0
40	QPSK	160	0	19.67	19.71	19.47	21.3
40	QPSK	80	26	19.70	19.70	19.50	0.0
40	QPSK	160	56	19.68	19.70	19.52	21.3
40	QPSK	160	0	19.66	19.74	19.51	0.0
40	QPSK	1	1	19.60	19.67	19.55	21.3
40	QPSK	1	1	19.76	19.74	19.52	21.3
40	QPSK	1	1	19.75	19.60	19.45	0.4
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.60	19.70	19.50	21.3
Channel							
Frequency (MHz)							
25	QPSK	1	1	19.64	19.76	19.50	21.3
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.63	19.77	19.54	21.3
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.74	19.70	19.45	21.3
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.13	19.76	19.40	21.3

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Fmax)	Power Mid Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (min)
Channel							
Frequency (MHz)							
100	PLV BPSK	1	1	20.16	20.16	20.16	0.0
100	PLV BPSK	1	139	20.14	20.10	20.09	21.3
100	PLV BPSK	1	273	20.14	20.10	20.18	0.0
100	PLV BPSK	195	0	20.13	20.17	20.10	21.3
100	PLV BPSK	195	96	20.17	20.10	20.11	21.3
100	PLV BPSK	135	138	20.17	20.18	20.19	21.3
100	PLV BPSK	495	0	20.16	20.10	20.11	0.0
100	QPSK	1	1	20.16	20.20	20.09	0.0
100	QPSK	1	139	20.11	20.10	20.08	21.3
100	QPSK	1	273	20.09	20.20	20.20	0.0
100	QPSK	135	0	20.08	20.19	20.04	21.3
100	QPSK	195	96	20.10	20.02	20.00	21.3
100	QPSK	135	138	20.09	20.14	20.06	21.3
100	QPSK	270	0	20.14	20.10	20.17	0.0
100	QPSK	1	1	20.15	20.24	20.10	21.3
100	QPSK	1	1	20.23	20.21	20.08	21.3
100	QPSK	1	1	20.14	20.23	20.03	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.10	20.09	20.07	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.14	20.11	19.94	21.3
Channel							
Frequency (MHz)							
70	QPSK	1	1	20.03	20.18	19.99	21.3
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.06	20.24	20.02	21.3
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.10	20.23	20.14	21.3
Channel							
Frequency (MHz)							
45	QPSK	1	1	20.03	20.20	20.04	21.3
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.03	20.19	19.97	21.3
Channel							
Frequency (MHz)							
35	QPSK	1	1	20.19	20.11	19.94	21.3
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.13	20.03	20.04	21.3
Channel							
Frequency (MHz)							
29	QPSK	1	1	20.17	20.19	19.97	21.3
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.05	20.20	20.10	21.3
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.11	20.13	20.03	21.3
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.12	20.10	19.90	21.3

FCC_n41_Ant 6 HPUE									
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mid Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
150	PL2 BPSK	1	1	20.18	20.19	20.18		21.3	0.0
100	PL2 BPSK	1	137	20.14	20.10	20.09			
100	PL2 BPSK	1	271	20.14	20.10	20.10			
100	PL2 BPSK	135	0	20.13	20.17	20.16	21.3	0.0	
100	PL2 BPSK	135	86	20.17	20.10	20.11	21.3	0.0	
100	PL2 BPSK	135	138	20.17	20.18	20.19	21.3	0.0	
100	PL2 BPSK	219	0	20.18	20.10	20.11			
100	QPSK	1	1	20.18	20.20	20.20			
100	QPSK	1	137	20.11	20.10	20.08	21.3	0.0	
100	QPSK	1	271	20.09	20.20	20.20			
100	QPSK	135	0	20.08	20.18	20.04	21.3	0.0	
100	QPSK	135	86	20.10	20.22	20.20	21.3	0.0	
100	QPSK	135	138	20.09	20.14	20.09	21.3	0.0	
100	QPSK	219	0	20.14	20.10	20.10			
100	16QAM	1	1	20.15	20.24	20.25	21.3	0.0	
100	16QAM	1	1	20.23	20.21	20.08	21.3	0.0	
100	16QAM	1	1	20.04	20.23	20.20	21.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.10	20.20	20.20	21.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.14	20.11	19.09	21.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.09	20.18	19.09	21.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.06	20.24	20.02	21.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.01	20.23	20.14	21.3	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	20.01	20.20	20.01	21.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.03	20.10	19.97	21.3	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.10	20.11	19.94	21.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.13	20.23	20.04	21.3	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.07	20.19	19.97	21.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.05	20.20	20.00	21.3	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.11	20.11	20.00	21.3	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.12	20.10	19.90	21.3	0.0	

FCC_n41_Ant 7									
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mid Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	20.05	20.23	20.14		21.4	0.0
100	PL2 BPSK	1	137	20.10	20.10	20.07			
100	PL2 BPSK	1	271	20.10	20.12	20.10			
100	PL2 BPSK	135	0	20.07	20.19	20.17	21.4	0.0	
100	PL2 BPSK	135	86	20.13	20.14	20.11	21.4	0.0	
100	PL2 BPSK	135	138	20.09	20.23	20.10	21.4	0.0	
100	PL2 BPSK	219	0	20.08	20.17	20.12			
100	QPSK	1	1	20.11	20.20	20.20			
100	QPSK	1	137	20.12	20.22	20.11	21.4	0.0	
100	QPSK	1	271	20.10	20.20	20.20			
100	QPSK	135	0	20.09	20.19	20.08	21.4	0.0	
100	QPSK	135	86	20.10	20.22	20.10	21.4	0.0	
100	QPSK	135	138	20.09	20.13	20.10	21.4	0.0	
100	QPSK	219	0	20.05	20.10	20.10			
100	16QAM	1	1	20.10	20.11	20.10	21.4	0.0	
100	16QAM	1	1	20.05	20.14	20.10	21.4	0.0	
100	16QAM	1	1	20.10	20.23	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.01	20.02	20.04	21.4	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.03	20.21	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.02	20.10	20.07	21.4	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.06	20.21	20.05	21.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.14	20.10	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	20.04	20.23	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.16	20.21	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.08	20.17	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.10	20.10	20.17	21.4	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.05	20.13	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.10	20.11	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.11	20.20	20.09	21.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.02	20.10	20.00	21.4	0.0	

FCC_n41_Ant 7 HPUE									
BSF (MHz)	Multicast	RE Size	RE Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Transmit Mode (dBm)	MPD (dB)	
Channel									
Frequency (MHz)				5660.0	5180.0	5280.0			
100	FULL BPSK	1	1	20.05	20.23	20.14			
100	FULL BPSK	1	131	20.16	20.10	20.07	21.4	0.0	
100	FULL BPSK	1	271	20.10	20.12	20.18			
100	FULL BPSK	135	0	20.07	20.19	20.17	21.4	0.0	
100	FULL BPSK	135	86	20.13	20.14	20.11	21.4	0.0	
100	FULL BPSK	135	136	20.09	20.23	20.15			
100	FULL BPSK	219	5	20.08	20.17	20.12	21.4	0.0	
100	QPSK	1	1	20.17	20.20	20.20			
100	QPSK	1	131	20.12	20.22	20.11	21.4	0.0	
100	QPSK	1	271	20.16	20.20	20.15			
100	QPSK	135	0	20.09	20.19	20.08	21.4	0.0	
100	QPSK	135	86	20.16	20.22	20.19	21.4	0.0	
100	QPSK	135	136	20.09	20.15	20.18			
100	QPSK	219	0	20.05	20.16	20.10	21.4	0.0	
100	SSB-AM	1	1	20.16	20.11	20.12	21.4	0.0	
100	SSB-AM	1	1	20.05	20.14	20.16	21.4	0.0	
100	SSB-AM	1	1	20.16	20.21	20.20	21.4	0.0	
Channel				5680.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5680.0	5180.0	5280.0			
30	QPSK	1	1	20.03	20.21	20.11	21.4	0.0	
Channel				5672.04	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5672.04	5180.0	5280.0			
30	QPSK	1	1	20.15	20.14	20.04	21.4	0.0	
Channel				5660.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5660.0	5180.0	5280.0			
70	QPSK	1	1	20.09	20.16	20.07	21.4	0.0	
Channel				5650.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5650.0	5180.0	5280.0			
80	QPSK	1	1	20.06	20.21	20.05			
Channel				5640.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5640.0	5180.0	5280.0			
90	QPSK	1	1	20.14	20.10	20.13	21.4	0.0	
Channel				5630.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5630.0	5180.0	5280.0			
45	QPSK	1	1	20.04	20.23	20.10	21.4	0.0	
Channel				5620.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5620.0	5180.0	5280.0			
40	QPSK	1	1	20.16	20.21	20.18	21.4	0.0	
Channel				5610.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5610.0	5180.0	5280.0			
35	QPSK	1	1	20.08	20.17	20.13	21.4	0.0	
Channel				5600.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5600.0	5180.0	5280.0			
30	QPSK	1	1	20.09	20.16	20.12	21.4	0.0	
Channel				5610.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5610.0	5180.0	5280.0			
25	QPSK	1	1	20.05	20.13	20.15	21.4	0.0	
Channel				5610.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5610.0	5180.0	5280.0			
20	QPSK	1	1	20.10	20.11	20.10	21.4	0.0	
Channel				5600.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5600.0	5180.0	5280.0			
15	QPSK	1	1	20.11	20.21	20.09	21.4	0.0	
Channel				5600.0	5180.0	5280.0	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				5600.0	5180.0	5280.0			
10	QPSK	1	1	20.02	20.12	20.00	21.4	0.0	

FCC_n41_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Fmax)	Power High Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PLQ BPSK	1	1	20.90	21.10	20.94			
100	PLQ BPSK	1	137	20.90	21.10	20.90	22.2	0.0	
100	PLQ BPSK	1	271	20.97	21.02	20.92			
100	PLQ BPSK	135	0	20.90	21.09	20.95	22.2	0.0	
100	PLQ BPSK	135	86	21.02	21.10	20.90	22.2	0.0	
100	PLQ BPSK	135	138	20.88	21.11	20.95	22.2	0.0	
100	PLQ BPSK	270	0	21.00	21.04	20.94	22.2	0.0	
100	QPSK	1	1	21.03	21.10	21.00			
100	QPSK	1	137	20.94	21.07	20.96	22.2	0.0	
100	QPSK	1	271	20.99	21.10	20.94			
100	QPSK	135	0	20.93	21.11	20.89	22.2	0.0	
100	QPSK	135	86	21.01	21.10	20.95	22.2	0.0	
100	QPSK	135	138	20.86	21.07	20.93	22.2	0.0	
100	QPSK	270	0	20.94	21.05	20.95	22.2	0.0	
100	HQAM	1	1	20.92	21.12	20.95	22.2	0.0	
100	HQAM	1	1	20.95	21.03	20.95	22.2	0.0	
100	HQAM	1	1	21.01	21.10	20.95	22.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.97	21.05	20.97	22.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.01	21.10	20.97	22.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.99	21.08	20.95	22.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.90	21.09	20.86	22.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.03	21.09	20.03	22.2	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	20.07	21.04	20.03	22.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.02	21.14	20.90	22.2	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.95	21.11	20.90	22.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.01	21.03	20.00	22.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.05	21.06	20.00	22.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.07	21.09	20.00	22.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.09	21.10	20.07	22.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.00	21.08	20.00	22.2	0.0	

FCC_n41_Ant 5 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. (Fmax)	Power High Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PLQ BPSK	1	1	20.90	21.10	20.94			
100	PLQ BPSK	1	137	20.88	21.13	20.90	22.2	0.0	
100	PLQ BPSK	1	271	20.97	21.02	20.92			
100	PLQ BPSK	135	0	20.90	21.09	20.95	22.2	0.0	
100	PLQ BPSK	135	86	21.02	21.10	20.90	22.2	0.0	
100	PLQ BPSK	135	138	20.88	21.11	20.95	22.2	0.0	
100	PLQ BPSK	270	0	21.00	21.04	20.94	22.2	0.0	
100	QPSK	1	1	21.03	21.10	21.00			
100	QPSK	1	137	20.94	21.07	20.96	22.2	0.0	
100	QPSK	1	271	20.99	21.13	20.94			
100	QPSK	135	0	20.93	21.11	20.89	22.2	0.0	
100	QPSK	135	86	21.01	21.12	20.95	22.2	0.0	
100	QPSK	135	138	20.86	21.07	20.93	22.2	0.0	
100	QPSK	270	0	20.94	21.05	20.95	22.2	0.0	
100	HQAM	1	1	20.92	21.12	20.95	22.2	0.0	
100	HQAM	1	1	20.95	21.03	20.95	22.2	0.0	
100	HQAM	1	1	21.01	21.10	20.95	22.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.97	21.01	20.97	22.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.01	21.10	20.97	22.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.99	21.08	20.95	22.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.90	21.09	20.86	22.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.93	21.09	20.91	22.2	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	20.97	21.04	20.93	22.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.02	21.14	20.90	22.2	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.95	21.11	20.90	22.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.01	21.03	20.00	22.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.05	21.06	20.00	22.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.07	21.09	20.00	22.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.09	21.10	20.07	22.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.00	21.08	20.00	22.2	0.0	

FCC_n41_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Main Ch. / Freq.	Power TSP Ch. / Freq.	Time-up limit (s)
Channel							
Frequency [MHz]							
100	PLV BPSK	1	1	20.75	20.81	20.88	0.0
100	PLV BPSK	1	187	20.75	20.81	20.78	0.0
100	PLV BPSK	1	273	20.75	20.83	20.81	0.0
100	PLV BPSK	135	5	20.89	20.75	20.80	0.0
100	PLV BPSK	135	86	20.77	20.75	20.75	0.0
100	PLV BPSK	135	138	20.79	20.72	20.89	0.0
100	PLV BPSK	273	5	20.77	20.75	20.71	0.0
100	QPSK	1	1	20.83	20.89	20.78	0.0
100	QPSK	1	137	20.82	20.88	20.76	0.0
100	QPSK	1	211	20.76	20.85	20.72	0.0
100	QPSK	135	5	20.74	20.78	20.71	0.0
100	QPSK	135	86	20.85	20.85	20.85	0.0
100	QPSK	135	138	20.79	20.83	20.72	0.0
100	QPSK	273	5	20.78	20.82	20.71	0.0
100	4QAM	1	1	20.76	20.74	20.74	0.0
100	4QAM	1	1	20.88	20.78	20.79	0.0
100	256QAM	1	1	20.72	20.85	20.88	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	20.73	20.77	20.78	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	20.78	20.87	20.88	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	20.78	20.81	20.72	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	20.76	20.87	20.75	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	20.80	20.83	20.79	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	20.78	20.82	20.75	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	20.72	20.78	20.86	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	20.71	20.83	20.78	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	20.79	20.85	20.77	0.0

FCC_n41_Ant 0 HPUE							
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Main Ch. / Freq.	Power TSP Ch. / Freq.	Time-up limit (s)
Channel							
Frequency [MHz]							
100	PLV BPSK	1	1	20.75	20.81	20.88	0.0
100	PLV BPSK	1	187	20.75	20.81	20.78	0.0
100	PLV BPSK	1	273	20.75	20.83	20.81	0.0
100	PLV BPSK	135	5	20.89	20.75	20.80	0.0
100	PLV BPSK	135	86	20.77	20.75	20.75	0.0
100	PLV BPSK	135	138	20.79	20.72	20.89	0.0
100	PLV BPSK	273	5	20.77	20.75	20.71	0.0
100	QPSK	1	1	20.83	20.89	20.78	0.0
100	QPSK	1	137	20.82	20.88	20.76	0.0
100	QPSK	1	211	20.76	20.85	20.72	0.0
100	QPSK	135	5	20.74	20.78	20.71	0.0
100	QPSK	135	86	20.85	20.85	20.85	0.0
100	QPSK	135	138	20.79	20.83	20.72	0.0
100	QPSK	273	5	20.78	20.82	20.71	0.0
100	4QAM	1	1	20.76	20.74	20.74	0.0
100	4QAM	1	1	20.88	20.78	20.79	0.0
100	256QAM	1	1	20.72	20.85	20.88	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	20.73	20.77	20.78	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	20.78	20.87	20.88	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	20.78	20.81	20.72	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	20.76	20.87	20.75	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	20.80	20.83	20.79	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	20.78	20.82	20.75	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	20.72	20.78	20.86	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	20.71	20.83	20.78	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	20.79	20.85	20.77	0.0

n48_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Frequency (MHz)	Power Max/Ch./Frequency (MHz)	Power Tgt./Ch./Frequency (MHz)	Time-up limit (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.19	18.34	18.15			
40	PI2 BPSK	1	5	18.18	18.33	18.15	19.2	0.0	
40	PI2 BPSK	1	104	18.20	18.34	18.28			
40	PI2 BPSK	50	0	18.17	18.31	18.15	19.2	0.0	
40	PI2 BPSK	50	24	18.21	18.35	18.29	19.2	0.0	
40	PI2 BPSK	50	56	18.17	18.25	18.29	19.2	0.0	
40	PI2 BPSK	100	0	18.17	18.29	18.24			
40	QPSK	1	1	18.26	18.30	18.30			
40	QPSK	1	53	18.13	18.24	18.30	19.2	0.0	
40	QPSK	1	104	18.22	18.37	18.31			
40	QPSK	50	0	18.21	18.21	18.15	19.2	0.0	
40	QPSK	50	24	18.24	18.30	18.28	19.2	0.0	
40	QPSK	50	56	18.13	18.24	18.24	19.2	0.0	
40	QPSK	100	0	18.22	18.30	18.30			
40	MSK	1	1	18.26	18.30	18.30	19.2	0.0	
40	MSK	1	1	18.23	18.32	18.26	19.2	0.0	
40	MSK	1	1	18.23	18.32	18.31	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.27	18.30	18.30	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.27	18.30	18.23	19.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.18	18.25	18.18	19.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.13	18.37	18.26	19.2	0.0	

n48_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max/Ch./Freq.	Power Tgt./Ch./Freq.	Time-up limit (min)	MFR	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	17.47	17.63	17.63			
40	PI2 BPSK	1	53	17.53	17.68	17.64	18.8	0.0	
40	PI2 BPSK	1	104	17.50	17.60	17.68			
40	PI2 BPSK	50	0	17.56	17.76	17.73	18.8	0.0	
40	PI2 BPSK	50	24	17.49	17.69	17.71	18.8	0.0	
40	PI2 BPSK	50	56	17.38	17.68	17.73	18.8	0.0	
40	PI2 BPSK	100	0	17.48	17.72	17.76			
40	QPSK	1	1	17.60	17.77	17.74			
40	QPSK	1	53	17.52	17.65	17.71	18.8	0.0	
40	QPSK	1	104	17.50	17.71	17.78			
40	QPSK	50	0	17.44	17.61	17.69	18.8	0.0	
40	QPSK	50	24	17.51	17.73	17.78	18.8	0.0	
40	QPSK	50	56	17.44	17.60	17.56	18.8	0.0	
40	QPSK	100	0	17.46	17.75	17.81			
40	MSK	1	1	17.58	17.69	17.67	18.8	0.0	
40	MSK	1	1	17.37	17.62	17.70	18.8	0.0	
40	MSK	1	1	17.40	17.75	17.72	18.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.51	17.70	17.73	18.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.49	17.69	17.65	18.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.46	17.72	17.68	18.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.47	17.71	17.68	18.8	0.0	

n48_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max/Ch./Freq.	Power Tgt./Ch./Freq.	Time-up limit (min)	MFR	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.68	19.68	19.58			
40	PI2 BPSK	1	53	19.67	19.63	19.55	20.7	0.0	
40	PI2 BPSK	1	104	19.64	19.63	19.58			
40	PI2 BPSK	50	0	19.55	19.57	19.52	20.7	0.0	
40	PI2 BPSK	50	24	19.56	19.71	19.78	20.7	0.0	
40	PI2 BPSK	50	56	19.52	19.63	19.57	20.7	0.0	
40	PI2 BPSK	100	0	19.50	19.59	19.63			
40	QPSK	1	1	19.71	19.75	19.68			
40	QPSK	1	53	19.56	19.65	19.65	20.7	0.0	
40	QPSK	1	104	19.61	19.62	19.62			
40	QPSK	50	0	19.68	19.73	19.62	19.2	1.5	
40	QPSK	50	24	19.63	19.70	19.71	20.7	0.0	
40	QPSK	50	56	19.58	19.69	19.61	19.2	1.5	
40	QPSK	100	0	19.58	19.72	19.65	20.7	0.0	
40	MSK	1	1	19.63	19.67	19.66	20.7	0.0	
40	MSK	1	1	19.54	19.73	19.68	20.2	0.5	
40	MSK	1	1	19.53	19.71	19.68	19.2	2.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.63	19.67	19.66	20.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.68	19.69	19.55	20.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.58	19.71	19.67	20.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.58	19.70	19.58	20.7	0.0	

n48_Ant 12											
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dBm)	MPR			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	19.82	19.88	19.25	20.7	0.0			
40	PI2 BPSK	1	15	19.77	19.84	19.82					
40	PI2 BPSK	1	104	19.85	19.80	19.81					
40	PI2 BPSK	160	0	17.35	17.49	17.41	20.7	0.0			
40	PI2 BPSK	80	26	19.81	19.77	19.81	20.7	0.0			
40	PI2 BPSK	160	58	17.30	17.43	17.41	20.7	0.0			
40	PI2 BPSK	160	0	17.30	17.41	17.31					
40	QPSK	1	1	19.87	19.88	19.85					
40	QPSK	1	15	19.75	19.76	19.77	20.7	0.0			
40	QPSK	1	104	19.76	19.77	19.77					
40	QPSK	160	0	16.99	17.81	16.97	16.2	2.5			
40	QPSK	80	26	19.08	19.82	19.73	20.7	0.0			
40	QPSK	160	58	16.74	16.82	16.72	16.2	2.5			
40	QPSK	160	0	16.85	16.86	16.87	20.7	0.0			
40	16QAM	1	1	19.58	19.54	19.52	20.7	0.0			
40	16QAM	1	1	17.99	16.88	17.68	16.2	3.5			
40	16QAM	1	1	19.09	19.00	19.05	17.2	3.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.72	19.75	19.73	20.7	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.72	19.75	19.77	20.7	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	19.81	19.87	19.66	20.7	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.81	19.81	19.68	20.7	0.0			

Part27Q_n77_Ant 10									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1			17.69			
100	PI2 BPSK	1	131			17.65		16.7	0.0
100	PI2 BPSK	1	271			17.62			
100	PI2 BPSK	195	0			17.61		16.7	0.0
100	PI2 BPSK	195	96			17.64		16.7	0.0
100	PI2 BPSK	135	136			17.63		16.7	0.0
100	PI2 BPSK	291	0			17.70			
100	QPSK	1	1			17.73			
100	QPSK	1	131			17.69		16.7	0.0
100	QPSK	1	271			17.65			
100	QPSK	195	0			17.62		16.7	0.0
100	QPSK	195	96			17.64		16.7	0.0
100	QPSK	135	136			17.64		16.7	0.0
100	QPSK	270	0			17.69			
100	16QAM	1	1			17.64		16.7	0.0
100	16QAM	1	1			17.70		16.7	0.0
100	16QAM	1	1			17.67		16.7	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.68	17.74	17.70	16.2		
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.67	17.73	17.70	16.7		
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.66	17.67	17.69	16.7		
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.65	17.74	17.72	16.2		
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.71	17.64	17.70	16.7		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.64	17.73	17.71	16.7		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.68	17.70	17.63	16.7		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.70	17.68	17.67	16.7		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.73	17.69	17.63	16.7		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.65	17.70	17.74	16.7		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.75	17.63	17.64	16.7		0.0

Par27Q_n77_Ant 10									
SW (MHz)	Modulation	RF Size	RF Offset	Power Level Ch./F.Freq.	Power Noise Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	17.37	17.36	17.28			
100	PIQ BPSK	1	137	17.33	17.42	17.21	18.7	0.0	
100	PIQ BPSK	1	271	17.28	17.36	17.35			
100	PIQ BPSK	135	0	17.40	17.36	17.21	18.7	0.0	
100	PIQ BPSK	135	86	17.40	17.42	17.25	18.7	0.0	
100	PIQ BPSK	135	138	17.31	17.34	17.25	18.7	0.0	
100	PIQ BPSK	210	0	17.40	17.40	17.27			
100	QPSK	1	1	17.37	17.48	17.25			
100	QPSK	1	137	17.36	17.36	17.21	18.7	0.0	
100	QPSK	1	271	17.25	17.25	17.24			
100	QPSK	135	0	17.29	17.41	17.17	18.7	0.0	
100	QPSK	135	86	17.27	17.42	17.24	18.7	0.0	
100	QPSK	135	138	17.34	17.30	17.21	18.7	0.0	
100	QPSK	210	0	17.36	17.42	17.27			
100	16QAM	1	1	17.32	17.25	17.21	18.7	0.0	
100	16QAM	1	1	17.31	17.29	17.27	18.7	0.0	
100	16QAM	1	1	17.37	17.36	17.24	18.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.25	17.41	17.21	18.7	0.0	
90	QPSK	1	1	17.36	17.38	17.22	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.30	17.48	17.22	18.7	0.0	
80	QPSK	1	1	17.24	17.44	17.22	18.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.27	17.37	17.24	18.7	0.0	
70	QPSK	1	1	17.30	17.48	17.22	18.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.24	17.44	17.22	18.7	0.0	
60	QPSK	1	1	17.26	17.42	17.24	18.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.27	17.37	17.24	18.7	0.0	
50	QPSK	1	1	17.27	17.37	17.24	18.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.22	17.35	17.23	18.7	0.0	
40	QPSK	1	1	17.22	17.35	17.23	18.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.26	17.42	17.24	18.7	0.0	
30	QPSK	1	1	17.26	17.42	17.24	18.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.35	17.40	17.22	18.7	0.0	
25	QPSK	1	1	17.35	17.40	17.22	18.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.24	17.40	17.22	18.7	0.0	
20	QPSK	1	1	17.24	17.40	17.22	18.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.34	17.33	17.32	18.7	0.0	
15	QPSK	1	1	17.34	17.33	17.32	18.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.34	17.33	17.32	18.7	0.0	

Part27Q_n77_Ant 10 HPUE									
SW (MHz)	Modulation	RF Size	RF Offset	Power Level Ch./F.Freq.	Power Noise Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1			17.69			
100	PIQ BPSK	1	137			17.65		18.7	0.0
100	PIQ BPSK	1	271			17.62			
100	PIQ BPSK	135	0			17.61		18.7	
100	PIQ BPSK	135	86			17.64		18.7	
100	PIQ BPSK	135	138			17.63		18.7	
100	QPSK	1	1			17.70			
100	QPSK	1	137			17.69		18.7	0.0
100	QPSK	1	271			17.65			
100	QPSK	135	0			17.62		18.7	0.0
100	QPSK	135	86			17.70		18.7	
100	QPSK	135	138			17.64		18.7	
100	QPSK	210	0			17.69		18.7	0.0
100	16QAM	1	1			17.74		18.7	
100	16QAM	1	1			17.75		18.7	
100	16QAM	1	1			17.67		18.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	633000	633000	633000	Turn-up time (min)	MFR (dB)	

Part27Q_n77_Ant 10 HPUE									
BSF (MHz)	Multication	RE Size	RE Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Transmit Mode (dBm)	MPD (dB)	
Channel				85000	85000	85000			
Frequency (MHz)				9100	9400	9600			
100	PL2 MPSC	1	1	17.37	17.38	17.26			
100	PL2 MPSC	1	131	17.33	17.42	17.21	18.7	0.0	
100	PL2 MPSC	1	271	17.28	17.38	17.28			
100	PL2 MPSC	135	0	17.40	17.36	17.31	18.7	0.0	
100	PL2 MPSC	135	86	17.40	17.42	17.28	18.7	0.0	
100	PL2 MPSC	135	136	17.31	17.34	17.25	18.7	0.0	
100	PL2 MPSC	210	0	17.40	17.40	17.27			
100	QPSK	1	1	17.37	17.43	17.26			
100	QPSK	1	131	17.33	17.36	17.31	18.7	0.0	
100	QPSK	1	271	17.35	17.35	17.34			
100	QPSK	135	0	17.29	17.41	17.17	18.7	0.0	
100	QPSK	135	86	17.37	17.42	17.24	18.7	0.0	
100	QPSK	135	136	17.34	17.30	17.21	18.7	0.0	
100	QPSK	210	0	17.36	17.42	17.27			
100	SSB-AM	1	1	17.32	17.29	17.31	18.7	0.0	
100	SSB-AM	1	1	17.31	17.29	17.27	18.7	0.0	
100	SSB-AM	1	1	17.37	17.30	17.24	18.7	0.0	
Channel				849568	850000	850232	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3731.02	3640	3620			
90	QPSK	1	1	17.42	17.41	17.31	18.9	0.0	
Channel				849351	850000	849666	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3541.01	3640	3620.99			
80	QPSK	1	1	17.36	17.29	17.22	18.7	0.0	
Channel				849000	850000	850000	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3450	3640	3640			
70	QPSK	1	1	17.30	17.46	17.50	18.7	0.0	
Channel				849185	849700	849170	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3731.02	3640	3640.98			
60	QPSK	1	1	17.24	17.44	17.42	18.7	0.0	
Channel				849151	849900	849160	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3722.01	3640	3640.99			
50	QPSK	1	1	17.27	17.37	17.24	18.9	0.0	
Channel				849000	850000	849000	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3670	3640	3640			
40	QPSK	1	1	17.22	17.35	17.33	18.9	0.0	
Channel				847668	850000	847552	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3513.02	3640	3640.98			
30	QPSK	1	1	17.36	17.42	17.34	18.7	0.0	
Channel				847000	850000	846900	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3512.5	3640	3641.5			
25	QPSK	1	1	17.33	17.40	17.22	18.7	0.0	
Channel				847115	849700	847100	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3731.01	3640	3640.98			
20	QPSK	1	1	17.24	17.40	17.22	18.7	0.0	
Channel				847185	850000	847140	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3727.52	3640	3727.46			
15	QPSK	1	1	17.34	17.33	17.23	18.9	0.0	
Channel				847000	850000	846900	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				3670	3640	3640			
10	QPSK	1	1	17.34	17.38	17.32	18.9	0.0	

Part27Q_n77_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MNF (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	16.90					
100	PL2 BPSK	1	137	16.90			16.1	0.0	
100	PL2 BPSK	1	271	16.93					
100	PL2 BPSK	135	0	17.02			16.1	0.0	
100	PL2 BPSK	135	86	16.97			16.1	0.0	
100	PL2 BPSK	135	136	16.92			16.1	0.0	
100	PL2 BPSK	270	0	16.95			16.1	0.0	
100	QPSK	1	1	17.04					
100	QPSK	1	137	16.95			16.1	0.0	
100	QPSK	1	271	17.05					
100	QPSK	135	0	17.00			16.1	0.0	
100	QPSK	135	86	17.02			16.1	0.0	
100	QPSK	135	136	16.93			16.1	0.0	
100	QPSK	270	0	16.92			16.1	0.0	
100	8QAM	1	1	16.92			16.1	0.0	
100	8QAM	1	1	16.99			16.1	0.0	
100	8QAM	1	1	17.00			16.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.94	16.96	16.91			
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.95	16.99	16.92			
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.81	16.86	16.81			
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.82	16.87	16.83			
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.72	16.80	16.75			
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.71	16.80	16.75			
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.81	16.83	16.80			
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.93	16.84	16.82			
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.72	16.81	16.76			
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.70	16.82	16.77			
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.70	16.82	16.75			

Part27O_n77_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MNF (dB)	
Channel									
Frequency [MHz]									
100	PL2 BPSK	1	1	16.92	16.88	16.78			
100	PL2 BPSK	1	137	16.92	16.83	16.83	16.1	0.0	
100	PL2 BPSK	1	271	16.95	16.81	16.79			
100	PL2 BPSK	135	0	16.92	16.83	16.79	16.1	0.0	
100	PL2 BPSK	135	86	16.79	16.86	16.79	16.1	0.0	
100	PL2 BPSK	135	136	16.86	16.90	16.88	16.1	0.0	
100	QPSK	1	1	16.95	16.97	16.92			
100	QPSK	1	137	16.89	16.86	16.84	16.1	0.0	
100	QPSK	1	271	16.79	16.79	16.84			
100	QPSK	135	0	16.83	16.84	16.80	16.1	0.0	
100	QPSK	135	86	16.93	16.93	16.91	16.1	0.0	
100	QPSK	135	136	16.81	16.79	16.80	16.1	0.0	
100	QPSK	270	0	16.80	16.80	16.80	16.1	0.0	
100	8QAM	1	1	16.80	16.81	16.80	16.1	0.0	
100	8QAM	1	1	16.85	16.83	16.87	16.1	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	16.90	16.85	16.80	16.1	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	16.82	16.85	16.79	16.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	16.87	16.89	16.80	16.1	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	16.83	16.87	16.74	16.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	16.73	16.82	16.71	16.1	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	16.80	16.87	16.83	16.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	16.82	16.87	16.77	16.1	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	16.87	16.84	16.75	16.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.80	16.84	16.74	16.1	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.70	16.81	16.73	16.1	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	16.80	16.80	16.82	16.1	0.0	

Part27Q_n77_Ant 13 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	
Frequency (MHz)									
100	PLC BPSK	1	1	16.80					
100	PLC BPSK	1	137	16.80			18.1	0.0	
100	PLC BPSK	1	271	16.80					
100	PLC BPSK	135	0	17.02			18.1	0.0	
100	PLC BPSK	135	86	17.02			18.1	0.0	
100	PLC BPSK	135	138	16.82			18.1	0.0	
100	QPSK	1	1	17.04					
100	QPSK	1	137	17.02			18.1	0.0	
100	QPSK	1	271	17.02					
100	QPSK	135	0	17.02			18.1	0.0	
100	QPSK	135	86	17.02			18.1	0.0	
100	QPSK	135	138	16.82			18.1	0.0	
100	QPSK	219	0	16.82			18.1	0.0	
100	16QAM	1	1	16.80			18.1	0.0	
100	16QAM	1	1	16.80			18.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.80	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.80	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.81	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.80	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.80	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.80	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.81	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.80	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.79	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.79	16.80	16.80	18.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.80	16.80	16.80	18.1	0.0	

Part27O_n77_Ant 13 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PLC BPSK	1	1	16.91				18.1	0.0
100	PLC BPSK	1	137	16.92				18.1	0.0
100	PLC BPSK	1	271	16.90				18.1	0.0
100	PLC BPSK	135	0	16.87				18.1	0.0
100	PLC BPSK	135	86	16.79				18.1	0.0
100	PLC BPSK	135	138	16.86				18.1	0.0
100	QPSK	1	1	16.95				18.1	0.0
100	QPSK	1	139	16.92				18.1	0.0
100	QPSK	1	271	16.79				18.1	0.0
100	QPSK	135	0	16.83				18.1	0.0
100	QPSK	135	86	16.85				18.1	0.0
100	QPSK	135	138	16.81				18.1	0.0
100	QPSK	219	0	16.80				18.1	0.0
100	16QAM	1	1	16.85				18.1	0.0
100	16QAM	1	1	16.80				18.1	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.90				18.1	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.82				18.1	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.87				18.1	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.80				18.1	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.80				18.1	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.82				18.1	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.87				18.1	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.80				18.1	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.86				18.1	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.86				18.1	0.0

Part27Q_n77_Ant 4									
BSI ID#	Modulation	PSI Size	PSI Offset	Power Line Ch. 1 Freq.	Power Modem Ch. 1 Freq.	Power TSP Ch. 1 Freq.	Turn-up time (min)	APR	dB
Channel									
Frequency (MHz)									
100	PSK BPSK	1	1	20.28	20.28				
100	PSK BPSK	1	1	20.28	20.28		21.2	0.0	
100	PSK BPSK	1	271	20.30	20.30				
100	PSK BPSK	135	0	20.25	20.25		21.2	0.0	
100	PSK BPSK	135	60	20.25	20.25		21.2	0.0	
100	PSK BPSK	135	138	20.25	20.25		21.2	0.0	
100	PSK BPSK	270	0	20.25	20.25				
100	QPSK	1	1	20.30	20.30				
100	QPSK	1	137	20.25	20.25		21.2	0.0	
100	QPSK	1	271	20.30	20.30				
100	QPSK	135	0	20.28	20.28		21.2	0.0	
100	QPSK	135	60	20.25	20.25		21.2	0.0	
100	QPSK	135	138	20.25	20.25		21.2	0.0	
100	QPSK	270	0	20.25	20.25		21.2	0.0	
100	16QAM	1	1	20.25	20.25		21.2	0.0	
100	16QAM	1	1	20.28	20.28		21.2	0.0	
100	256QAM	1	1	18.45	18.45		20.2	1.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.28	20.28	20.28	21.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.27	20.24	20.33	21.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.25	20.25	20.36	21.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.27	20.28	20.26	21.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.34	20.30	20.30	21.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.32	20.29	20.38	21.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.34	20.27	20.28	21.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.37	20.32	20.25	21.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.38	20.30	20.25	21.2	0.0	

Part27O_n77_Ant 4									
Ref [MHz]	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Frequency [MHz]	MPD (dB)	
Channel									
Frequency [MHz]				86000	86000	86000			
100	PLQ MPSC	1	1	20.19	20.23	20.19			
100	PLQ MPSC	1	139	20.23	20.23	20.07	21.2	0.0	
100	PLQ MPSC	1	271	20.21	20.13	20.13			
100	PLQ MPSC	135	0	20.21	20.24	20.07	21.2	0.0	
100	PLQ MPSC	135	99	20.24	20.27	20.09	21.2	0.0	
100	PLQ MPSC	135	135	20.18	20.24	20.07	21.2	0.0	
100	PLQ MPSC	201	0	20.18	20.18	20.19			
100	QPSK	1	1	20.29	20.27	20.29			
100	QPSK	1	139	20.19	20.22	20.09	21.2	0.0	
100	QPSK	1	271	20.27	20.15	20.15			
100	QPSK	135	0	20.18	20.14	20.09	21.2	0.0	
100	QPSK	135	99	20.08	20.03	20.03	21.2	0.0	
100	QPSK	135	135	20.24	20.17	20.08	21.2	0.0	
100	QPSK	201	0	20.06	20.12	20.06			
100	WCDMA	1	1	20.25	20.14	20.14	21.2	0.0	
100	WCDMA	1	1	20.28	20.14	20.20	21.2	0.0	
100	WCDMA	1	1	19.06	19.03	19.01	20.2	1.0	
Channel									
Frequency [MHz]				86956	86956	86932	Frequency [MHz]	MPD (dB)	
90	QPSK	1	1	20.12	20.10	20.14	21.2	0.0	
Channel									
Frequency [MHz]				86931	86909	86966	Frequency [MHz]	MPD (dB)	
90	QPSK	1	1	19.01	19.01	19.09	20.2	0.0	
Channel									
Frequency [MHz]				86923	86921	8694	21.2	0.0	
Channel									
Frequency [MHz]				86900	86900	86900	Frequency [MHz]	MPD (dB)	
70	QPSK	1	1	20.15	20.13	20.12	21.2	0.0	
Channel									
Frequency [MHz]				3730.02	3640	3640.36	Frequency [MHz]	MPD (dB)	
60	QPSK	1	1	20.14	20.12	20.14	21.2	0.0	
Channel									
Frequency [MHz]				3725.51	3640	3640.36	Frequency [MHz]	MPD (dB)	
50	QPSK	1	1	20.19	20.13	20.12	21.2	0.0	
Channel									
Frequency [MHz]				86900	86900	86900	Frequency [MHz]	MPD (dB)	
40	QPSK	1	1	20.20	20.23	20.07	21.2	0.0	
Channel									
Frequency [MHz]				86968	86909	86932	Frequency [MHz]	MPD (dB)	
30	QPSK	1	1	19.10	19.01	19.01	20.2	0.0	
Channel									
Frequency [MHz]				86900	86900	86900	Frequency [MHz]	MPD (dB)	
25	QPSK	1	1	20.25	20.13	20.12	21.2	0.0	
Channel									
Frequency [MHz]				3713.11	3640	3640.36	Frequency [MHz]	MPD (dB)	
20	QPSK	1	1	20.25	20.20	20.12	21.2	0.0	
Channel									
Frequency [MHz]				3707.52	3640	3640.36	Frequency [MHz]	MPD (dB)	
15	QPSK	1	1	20.19	20.13	20.13	21.2	0.0	
Channel									
Frequency [MHz]				86900	86900	86900	Frequency [MHz]	MPD (dB)	
10	QPSK	1	1	20.19	20.14	20.17	21.2	0.0	

Part27Q_n77_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Max Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Intvl (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1		21.71				
100	PL2 BPSK	1	137		21.68			22.6	0.0
100	PL2 BPSK	1	271		21.73				
100	PL2 BPSK	135	0		21.65			22.6	0.0
100	PL2 BPSK	135	86		21.68			22.6	0.0
100	PL2 BPSK	135	138		21.68			22.6	0.0
100	PL2 BPSK	270	0		21.65				
100	QPSK	1	1		21.78				
100	QPSK	1	137		21.68			22.6	0.0
100	QPSK	1	271		21.65				
100	QPSK	135	0		21.35			22.6	0.0
100	QPSK	135	86		21.32			22.6	0.0
100	QPSK	135	138		21.22			22.6	0.0
100	QPSK	270	0		21.22				
100	8QAM	1	1		21.65			22.2	0.4
100	8QAM	1	1		21.65			22.2	0.4
Channel									
Frequency (MHz)									
90	QPSK	1	1		21.51			22.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		21.69			22.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		21.62			22.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		21.62			22.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		21.62			22.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		21.63			22.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		21.71			22.6	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1		21.64			22.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		21.71			22.6	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1		21.69			22.6	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1		21.71			22.6	0.0

Part27O_n77_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Max Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Intvl (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	21.59	21.42	21.46			
100	PL2 BPSK	1	137	21.49	21.42	21.43	22.6	0	0.0
100	PL2 BPSK	1	271	21.56	21.41	21.41			
100	PL2 BPSK	135	0	21.54	21.40	21.42	22.6	0	0.0
100	PL2 BPSK	135	86	21.52	21.41	21.42	22.6	0	0.0
100	PL2 BPSK	135	138	21.46	21.40	21.41	22.6	0	0.0
100	PL2 BPSK	270	0	21.50	21.40	21.41			
100	QPSK	1	1	21.63	21.54	21.51			
100	QPSK	1	137	21.51	21.47	21.48	22.6	0	0.0
100	QPSK	1	271	21.52	21.51	21.47			
100	QPSK	135	0	21.53	21.24	21.17	22.6	0	0.0
100	QPSK	135	86	21.57	21.51	21.47	22.6	0	0.0
100	QPSK	135	138	21.51	21.20	21.17	22.6	0	0.0
100	QPSK	270	0	21.51	21.20	21.17			
100	8QAM	1	1	21.46	21.01	21.04	22.6	0	0.0
100	8QAM	1	1	21.46	21.01	21.04	21.7	0	9.9
100	25QAM	1	1	19.35	19.00	19.03	19.7	0	2.9
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.50	21.49	21.50	22.6	0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.56	21.45	21.47	22.6	0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.48	21.43	21.43	22.6	0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.58	21.41	21.41	22.6	0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.57	21.40	21.41	22.6	0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.55	21.43	21.43	22.6	0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.60	21.33	21.49	22.6	0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.48	21.42	21.44	22.6	0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.49	21.40	21.41	22.6	0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.53	21.49	21.48	22.6	0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.52	21.43	21.44	22.6	0	0.0

Par27Q_n77_Ant 12									
SW (MHz)	Modulation	RF Size	RF Offset	Low Ch./Freq.	Mid Ch./Freq.	High Ch./Freq.	Turn-up time (min)	MPH (dB)	
Frequency (MHz)									
100	PL2 BPSK	1	1	17.84			18.9	0.0	
100	PL2 BPSK	1	137	17.81					
100	PL2 BPSK	1	271	17.82					
100	PL2 BPSK	135	0	17.81			18.9	0.0	
100	PL2 BPSK	135	86	17.82			18.9	0.0	
100	PL2 BPSK	135	138	17.84			18.9	0.0	
100	QPSK	1	1	18.02					
100	QPSK	1	137	17.86			18.9	0.0	
100	QPSK	1	271	17.85					
100	QPSK	135	0	17.85			18.9	0.0	
100	QPSK	135	86	17.82			18.9	0.0	
100	QPSK	135	138	17.86			18.9	0.0	
100	QPSK	219	0	17.84			18.9	0.0	
100	HQAM	1	1	17.87			18.9	0.0	
100	HQAM	1	1	17.89			18.9	0.0	
100	HQAM	1	1	17.80			18.9	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.86	18.02	18.06	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.84	17.87	17.81	18.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.85	17.88	17.84	18.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.86	17.88	17.84	18.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.89	17.87	17.81	18.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.83	17.87	17.85	18.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.87	17.88	17.82	18.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.86	17.87	17.85	18.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.89	17.86	17.82	18.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.88	17.89	17.85	18.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.89	17.81	17.85	18.9	0.0	

Part27O_n77_Ant 12									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	17.83	17.88	17.86			
100	PL2 BPSK	1	137	17.86	17.71	17.81	18.9	0.0	
100	PL2 BPSK	1	271	17.88	17.69	17.84			
100	PL2 BPSK	135	0	17.86	17.64	17.84	18.9	0.0	
100	PL2 BPSK	135	86	17.81	17.82	17.82	18.9	0.0	
100	PL2 BPSK	135	138	17.89	17.89	17.87	18.9	0.0	
100	PL2 BPSK	219	0	17.82	17.87	17.83			
100	QPSK	1	1	17.84	17.72	17.87			
100	QPSK	1	138	17.86	17.69	17.84	18.9	0.0	
100	QPSK	1	271	17.87	17.84	17.84			
100	QPSK	135	0	17.87	17.83	17.84	18.9	0.0	
100	QPSK	135	86	17.82	17.73	17.86	18.9	0.0	
100	QPSK	135	138	17.89	17.88	17.82	18.9	0.0	
100	QPSK	219	0	17.85	17.86	17.81	18.9	0.0	
100	HQAM	1	1	17.85	17.82	17.81	18.9	0.0	
100	HQAM	1	1	17.82	17.82	17.83	18.9	0.0	
100	HQAM	1	1	17.85	17.87	17.83	18.9	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.83	17.79	17.81	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.82	17.84	17.83	18.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.89	17.86	17.87	18.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.83	17.81	17.86	18.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.88	17.81	17.81	18.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.83	17.85	17.84	18.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.89	17.89	17.86	18.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.85	17.83	17.85	18.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.86	17.86	17.86	18.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.82	17.71	17.84	18.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.83	17.87	17.87	18.9	0.0	

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Part27Q_n77_Ant 12 HPUE									
BSF (MHz)	Modulation	RE Size	RE Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Transmit Mode (dBm)	MPD (dB)	
Channel				865000	866000	867000			
Frequency (MHz)				865000	866000	867000			
100	FSK BPSK	1	1	17.53	17.68	17.56			
100	FSK BPSK	1	135	17.56	17.71	17.61	18.9	0.0	
100	FSK BPSK	1	271	17.58	17.69	17.54			
100	FSK BPSK	135	0	17.56	17.64	17.64	18.9	0.0	
100	FSK BPSK	135	66	17.61	17.62	17.62	18.9	0.0	
100	FSK BPSK	135	136	17.59	17.69	17.57	18.9	0.0	
100	FSK BPSK	271	0	17.55	17.67	17.55			
100	QPSK	1	1	17.64	17.72	17.67			
100	QPSK	1	137	17.46	17.69	17.62	18.9	0.0	
100	QPSK	1	271	17.57	17.65	17.54			
100	QPSK	135	0	17.47	17.63	17.54	18.9	0.0	
100	QPSK	135	66	17.55	17.71	17.55	18.9	0.0	
100	QPSK	135	136	17.49	17.58	17.52	18.9	0.0	
100	QPSK	271	0	17.55	17.62	17.61			
100	SSB-AM	1	1	17.55	17.62	17.51	18.9	0.0	
100	SSB-AM	1	1	17.52	17.52	17.43	18.9	0.0	
100	SSB-AM	1	1	17.55	17.67	17.55	18.9	0.0	
Channel				869568	869600	869532	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869568	869600	869532			
30	QPSK	1	1	17.43	17.70	17.44	18.9	0.0	
Channel				869351	869300	869366	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869351	869300	869366			
30	QPSK	1	1	17.42	17.64	17.63	18.9	0.0	
Channel				869500	869500	869500	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869500	869500	869500			
70	QPSK	1	1	17.50	17.66	17.57	18.9	0.0	
Channel				869115	869100	869120	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869115	869100	869120			
80	QPSK	1	1	17.43	17.71	17.46	18.9	0.0	
Channel				869351	869300	869366	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869351	869300	869366			
90	QPSK	1	1	17.49	17.63	17.61	18.9	0.0	
Channel				869500	869500	869500	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869500	869500	869500			
40	QPSK	1	1	17.52	17.69	17.54	18.9	0.0	
Channel				869668	869600	869532	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869668	869600	869532			
30	QPSK	1	1	17.50	17.69	17.58	18.9	0.0	
Channel				869100	869100	869100	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869100	869100	869100			
25	QPSK	1	1	17.45	17.63	17.45	18.9	0.0	
Channel				869115	869100	869120	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869115	869100	869120			
20	QPSK	1	1	17.46	17.66	17.47	18.9	0.0	
Channel				869168	869100	869100	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869168	869100	869100			
15	QPSK	1	1	17.53	17.71	17.54	18.9	0.0	
Channel				869500	869500	869500	Transmit Mode (dBm)	MPD (dB)	
Frequency (MHz)				869500	869500	869500			
10	QPSK	1	1	17.52	17.67	17.57	18.9	0.0	

Part27Q_n78_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch./F.Freq.	Mod. Ch./F.Freq.	High Ch./F.Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	18.11					
100	PL2 BPSK	1	137	18.05			19.2	0.0	
100	PL2 BPSK	1	271	17.88					
100	PL2 BPSK	135	0	18.04			19.2	0.0	
100	PL2 BPSK	135	86	18.08			19.2	0.0	
100	PL2 BPSK	135	138	18.07			19.2	0.0	
100	QPSK	1	1	18.14					
100	QPSK	1	137	18.04			19.2	0.0	
100	QPSK	1	271	18.10					
100	QPSK	135	0	18.08			19.2	0.0	
100	QPSK	135	86	18.05			19.2	0.0	
100	QPSK	135	138	18.08			19.2	0.0	
100	QPSK	270	0	18.01			19.2	0.0	
100	HQAM	1	1	18.11			19.2	0.0	
100	HQAM	1	1	18.09			19.2	0.0	
100	SHQAM	1	1	18.12			19.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.04	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.09	17.99	18.08	19.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.00	18.05	18.11	19.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.97	18.08	18.01	19.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.10	18.07	18.11	19.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.12	18.08	18.04	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.12	18.03	18.08	19.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.07	18.13	18.12	19.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.12	17.99	18.09	19.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.00	18.06	18.07	19.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.99	18.13	18.08	19.2	0.0	

Part27O_n78_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Margin Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1						
100	PL2 BPSK	1	137				18.02		
100	PL2 BPSK	1	271				18.02		
100	PL2 BPSK	135	0				17.89		0.0
100	PL2 BPSK	135	86				18.01		0.0
100	PL2 BPSK	135	138				18.03		0.0
100	PL2 BPSK	270	0				18.03		0.0
100	QPSK	1	1	18.11					
100	QPSK	1	137	18.01			19.2	0.0	
100	QPSK	1	271	18.05					
100	QPSK	135	0	18.05			19.2	0.0	
100	QPSK	135	86	18.02			19.2	0.0	
100	QPSK	135	138	18.04			19.2	0.0	
100	QPSK	270	0	18.02			19.2	0.0	
100	HQAM	1	1	18.05			19.2	0.0	
100	SHQAM	1	1	17.99			19.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.04	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.09	18.09	18.09	19.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.06	18.08	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.98	17.98	18.01	19.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.11	18.02	18.10	19.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.08	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.89	18.05	17.97	19.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.08	18.08	18.04	19.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.03	18.06	18.04	19.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.08	18.02	18.02	19.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.06	18.02	18.05	19.2	0.0	

Part27Q_n78_Ant 10 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up Intvl (dBm)	MPE (dB)	
Frequency (MHz)									
100	PI2 BPSK	1	1	18.11					
100	PI2 BPSK	1	137	18.05			19.2	0.0	
100	PI2 BPSK	1	271	17.88					
100	PI2 BPSK	135	0	18.04			19.2	0.0	
100	PI2 BPSK	135	86	18.08			19.2	0.0	
100	PI2 BPSK	135	138	18.07			19.2	0.0	
100	QPSK	1	1	18.14					
100	QPSK	1	137	18.04			19.2	0.0	
100	QPSK	1	271	18.10					
100	QPSK	135	0	18.08			19.2	0.0	
100	QPSK	135	86	18.05			19.2	0.0	
100	QPSK	135	138	18.08			19.2	0.0	
100	QPSK	270	0	18.01			19.2	0.0	
100	HQDM	1	1	18.11			19.2	0.0	
100	HQDM	1	1	18.09			19.2	0.0	
100	HQDM	1	1	18.12			19.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.04	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.09	17.99	18.08	19.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.00	18.05	18.11	19.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.97	18.08	18.01	19.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.10	18.07	18.11	19.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.12	18.08	18.04	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.12	18.03	18.08	19.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.07	18.13	18.12	19.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.12	17.99	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.00	18.06	18.07	19.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.99	18.13	18.06	19.2	0.0	

Part27Q_n78_Ant 10 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up Intvl (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.02					
100	PI2 BPSK	1	137		18.08		19.2	0.0	
100	PI2 BPSK	1	271			18.05			
100	PI2 BPSK	135	0		17.99		19.2	0.0	
100	PI2 BPSK	135	86		18.01		19.2	0.0	
100	PI2 BPSK	135	138			18.04	19.2	0.0	
100	PI2 BPSK	270	0			18.00			
100	QPSK	1	1	18.11					
100	QPSK	1	137	18.01			19.2	0.0	
100	QPSK	1	271	18.05					
100	QPSK	135	0	18.05			19.2	0.0	
100	QPSK	135	86	18.05			19.2	0.0	
100	QPSK	135	138	18.04			19.2	0.0	
100	QPSK	270	0	18.00			19.2	0.0	
100	HQDM	1	1	18.05			19.2	0.0	
100	HQDM	1	1	18.02			19.2	0.0	
100	HQDM	1	1	17.99			19.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.00	18.00	18.00	19.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.04	18.04	18.04	19.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.06	18.08	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.98	18.08	18.01	19.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.11	18.02	18.07	19.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.08	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.99	18.05	17.97	19.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.08	18.08	18.04	19.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.03	18.06	18.02	19.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.08	18.02	18.02	19.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.06	18.02	18.05	19.2	0.0	

Part270_n78_Ant_13 HPUE									
EW (dB)	Modulation	RB Size	PRB Offset	Time Frac./Ch.	Min Ch./Frac.	Max Ch./Frac.	High Ch./Frac.	Throughput [Mbps]	MPER [%]
Channel									
100	Frequency (MHz)				17.13				
100	PRB offset	1	137		17.13		18.6	0.0	
100	PRB offset	1	271		17.13		18.6	0.0	
100	PRB offset	135	5		17.14		18.6	0.0	
100	PRB offset	135	89		17.12		18.6	0.0	
100	PRB offset	135	159		17.13		18.6	0.0	
100	QPSK	1	1		17.26		18.6	0.0	
100	QPSK	135	89		17.13		18.6	0.0	
100	QPSK	1	271		17.12		18.6	0.0	
100	QPSK	135	5		17.11		18.6	0.0	
100	QPSK	135	6		17.12		18.6	0.0	
100	QPSK	135	138		17.04		18.6	0.0	
100	QPSK	270	3		17.16		18.6	0.0	
100	16QAM	1	1		17.14		18.6	0.0	
100	16QAM	1	271		17.11		18.6	0.0	
Channel									
	Frequency (MHz)			464688	600000	650000		MPER	
	PRB offset			17.14	17.26	17.13		18.6	0.0
Channel									
	Frequency (MHz)			464624	600000	600000		MPER	
	PRB offset			17.16	17.26	17.13		18.6	0.0
Channel									
	Frequency (MHz)			464600	650000	650000		MPER	
	PRB offset			17.10	17.26	17.13		18.6	0.0
Channel									
70	QPSK	1	1		17.13	17.13	17.09	18.6	0.0
Channel									
	Frequency (MHz)			464688	600000	600000		MPER	
	PRB offset			17.14	17.26	17.13		18.6	0.0
Channel									
60	QPSK	1	1		17.13	17.14	17.08	18.6	0.0
Channel									
	Frequency (MHz)			464624	600000	600000		MPER	
	PRB offset			17.16	17.26	17.13		18.6	0.0
Channel									
50	QPSK	1	1		17.14	17.19	17.13	18.6	0.0
Channel									
	Frequency (MHz)			464600	650000	650000		MPER	
	PRB offset			17.10	17.26	17.13		18.6	0.0
Channel									
40	QPSK	1	1		17.13	17.14	17.13	18.6	0.0
Channel									
	Frequency (MHz)			464616	600000	600000		MPER	
	PRB offset			17.16	17.26	17.13		18.6	0.0
Channel									
30	QPSK	1	1		17.16	17.14	17.13	18.6	0.0
Channel									
	Frequency (MHz)			464600	650000	650000		MPER	
	PRB offset			17.10	17.26	17.13		18.6	0.0
Channel									
25	QPSK	1	1		17.26	17.14	17.07	18.6	0.0
Channel									
	Frequency (MHz)			464584	600000	600000		MPER	
	PRB offset			17.16	17.26	17.13		18.6	0.0
Channel									
20	QPSK	1	1		17.24	17.13	17.06	18.6	0.0
Channel									
	Frequency (MHz)			464560	600000	600000		MPER	
	PRB offset			17.16	17.26	17.13		18.6	0.0
Channel									
15	QPSK	1	1		17.07	17.00	17.19	18.6	0.0
Channel									
	Frequency (MHz)			464600	600000	600000		MPER	
	PRB offset			17.20	17.11	17.18		18.6	0.0
Channel									
10	QPSK	1	1		17.00	17.11	17.18	18.6	0.0

Part27Q_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.48			20.2	0.0	
100	PI2 BPSK	1	137	19.51					
100	PI2 BPSK	1	271	19.38			20.2	0.0	
100	PI2 BPSK	135	0	19.44					
100	PI2 BPSK	135	86	19.44			20.2	0.0	
100	PI2 BPSK	135	138	19.47					
100	QPSK	1	1	19.52			20.2	0.0	
100	QPSK	1	137	19.42					
100	QPSK	1	271	19.47			20.2	0.0	
100	QPSK	135	0	19.47					
100	QPSK	135	86	19.51			20.2	0.0	
100	QPSK	135	138	19.45					
100	QPSK	270	0	19.42			20.2	0.0	
100	BQAM	1	1	19.46					
100	BQAM	1	1	19.48			20.2	0.0	
100	256QAM	1	1	19.44					
Channel				83300	83332	83368	Tune-up limit (dBm)		
90	QPSK	1	1	19.47	19.46	19.44	20.2	0.0	
Channel				83368	83332	83400	Tune-up limit (dBm)		
80	QPSK	1	1	19.45	19.49	19.42	20.0	0.0	
Channel				83334	83332	83330	Tune-up limit (dBm)		
70	QPSK	1	1	19.42	19.49	19.38	20.2	0.0	
Channel				83310	83310	83310	Tune-up limit (dBm)		
60	QPSK	1	1	19.45	19.46	19.47	20.2	0.0	
Channel				83300	83332	83368	Tune-up limit (dBm)		
40	QPSK	1	1	19.45	19.44	19.41	20.2	0.0	
Channel				83338	83332	83368	Tune-up limit (dBm)		
30	QPSK	1	1	19.50	19.44	19.38	20.2	0.0	
Channel				83300	83332	83368	Tune-up limit (dBm)		
25	QPSK	1	1	19.51	19.39	19.38	20.2	0.0	
Channel				83300	83332	83368	Tune-up limit (dBm)		
20	QPSK	1	1	19.37	19.45	19.49	20.2	0.0	
Channel				83338	83332	83368	Tune-up limit (dBm)		
15	QPSK	1	1	19.43	19.49	19.43	20.2	0.0	
Channel				83338	83332	83330	Tune-up limit (dBm)		
10	QPSK	1	1	19.43	19.39	19.44	20.2	0.0	

Part27O_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.13			20.2	0.0	
100	PI2 BPSK	1	137	19.13					
100	PI2 BPSK	1	271	19.18			20.2	0.0	
100	PI2 BPSK	135	0	19.26					
100	PI2 BPSK	135	86	19.21			20.2	0.0	
100	PI2 BPSK	135	138	19.12					
100	QPSK	1	1	19.13			20.2	0.0	
100	QPSK	1	137	19.15					
100	QPSK	1	271	19.26			20.2	0.0	
100	QPSK	135	0	19.21					
100	QPSK	135	86	19.21			20.2	0.0	
100	QPSK	135	138	19.14					
100	QPSK	270	0	19.16			20.2	0.0	
100	BQAM	1	1	19.16					
100	BQAM	1	1	19.12			20.2	0.0	
100	256QAM	1	1	19.12					
Channel				84988	85000	85032	Tune-up limit (dBm)		
Frequency (MHz)				84988	85000	85032	Tune-up limit (dBm)		
90	QPSK	1	1	19.25	19.12	19.21	20.2	0.0	
Channel				84934	85000	85086	Tune-up limit (dBm)		
Frequency (MHz)				84934	85000	85086	Tune-up limit (dBm)		
80	QPSK	1	1	19.22	19.23	19.20	20.2	0.0	
Channel				84980	85000	85080	Tune-up limit (dBm)		
Frequency (MHz)				84980	85000	85080	Tune-up limit (dBm)		
70	QPSK	1	1	19.19	19.17	19.13	20.2	0.0	
Channel				84910	85000	85030	Tune-up limit (dBm)		
Frequency (MHz)				84910	85000	85030	Tune-up limit (dBm)		
60	QPSK	1	1	19.20	19.22	19.15	20.2	0.0	
Channel				84934	85000	85086	Tune-up limit (dBm)		
Frequency (MHz)				84934	85000	85086	Tune-up limit (dBm)		
50	QPSK	1	1	19.13	19.17	19.23	20.2	0.0	
Channel				84980	85000	85080	Tune-up limit (dBm)		
Frequency (MHz)				84980	85000	85080	Tune-up limit (dBm)		
40	QPSK	1	1	19.20	19.14	19.10	20.2	0.0	
Channel				84988	85000	85032	Tune-up limit (dBm)		
Frequency (MHz)				84988	85000	85032	Tune-up limit (dBm)		
30	QPSK	1	1	19.23	19.23	19.19	20.2	0.0	
Channel				84988	85000	85032	Tune-up limit (dBm)		
Frequency (MHz)				84988	85000	85032	Tune-up limit (dBm)		
25	QPSK	1	1	19.15	19.26	19.16	20.2	0.0	
Channel				84910	85000	85030	Tune-up limit (dBm)		
Frequency (MHz)				84910	85000	85030	Tune-up limit (dBm)		
20	QPSK	1	1	19.21	19.24	19.20	20.2	0.0	
Channel				84934	85000	85086	Tune-up limit (dBm)		
Frequency (MHz)				84934	85000	85086	Tune-up limit (dBm)		
15	QPSK	1	1	19.23	19.17	19.20	20.2	0.0	
Channel				84980	85000	85080	Tune-up limit (dBm)		
Frequency (MHz)				84980	85000	85080	Tune-up limit (dBm)		
10	QPSK	1	1	19.16	19.23	19.24	20.2	0.0	

Part27Q_n78_Ant 4 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Mid Ch./ Freq.	High Ch./ Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	Frequency BPSK	1	1	19.48			20.2	0.0	
100	PI2 BPSK	1	137	19.51					
100	PI2 BPSK	1	271	19.38			20.2	0.0	
100	PI2 BPSK	135	0	19.44					
100	PI2 BPSK	135	86	19.44			20.2	0.0	
100	PI2 BPSK	135	138	19.47					
100	QPSK	1	1	19.52			20.2	0.0	
100	QPSK	1	137	19.42					
100	QPSK	1	271	19.47			20.2	0.0	
100	QPSK	135	0	19.47					
100	QPSK	135	86	19.51			20.2	0.0	
100	QPSK	135	138	19.45					
100	QPSK	270	0	19.45			20.2	0.0	
100	QPSK	270	138	19.45					
100	64QAM	1	1	19.45			20.2	0.0	
100	64QAM	1	137	19.44					
Channel									
Frequency (MHz)									
90	Frequency BPSK	1	1	19.47	19.48	19.49	20.2	0.0	MFR
90	PI2 BPSK	1	137	19.51	19.52	19.53			
Channel									
Frequency (MHz)									
80	Frequency BPSK	1	1	19.46	19.47	19.48	20.2	0.0	MFR
80	PI2 BPSK	1	135	19.42	19.43	19.44			
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.42	19.49	19.38	20.2	0.0	MFR
70	QPSK	1	137	19.50	19.51	19.52			
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.48	19.49	19.47	20.2	0.0	MFR
60	QPSK	1	137	19.50	19.51	19.52			
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.43	19.44	19.45	20.2	0.0	MFR
50	QPSK	1	137	19.49	19.50	19.51			
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.45	19.44	19.41	20.2	0.0	MFR
40	QPSK	1	137	19.51	19.52	19.53			
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.50	19.44	19.38	20.2	0.0	MFR
30	QPSK	1	137	19.51	19.52	19.53			
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.43	19.49	19.47	20.2	0.0	MFR
25	QPSK	1	137	19.49	19.50	19.51			
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.47	19.45	19.37	20.2	0.0	MFR
20	QPSK	1	137	19.51	19.52	19.53			
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.48	19.49	19.43	20.2	0.0	MFR
15	QPSK	1	137	19.50	19.51	19.52			
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.43	19.44	19.42	20.2	0.0	MFR
10	QPSK	1	137	19.49	19.50	19.51			

Part27Q_n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PI2 BPSK	1	1	20.75			21.6	0.0	
100	PI2 BPSK	135	137	20.34					
100	PI2 BPSK	1	271	20.72					
100	PI2 BPSK	135	0	20.80			21.6	0.0	
100	PI2 BPSK	135	86	20.79			21.6	0.0	
100	PI2 BPSK	135	136	20.75			21.6	0.0	
100	PI2 BPSK	270	0	20.80					
100	QPSK	1	1	20.86					
100	QPSK	137	2	20.77			21.6	0.0	
100	QPSK	1	272	20.82					
100	QPSK	135	0	20.79			21.6	0.0	
100	QPSK	135	86	20.83			21.6	0.0	
100	QPSK	135	136	20.75			21.6	0.0	
100	QPSK	270	0	20.80					
100	IS4134	1	1	20.81			21.6	0.0	
100	IS4134M	1	1	20.74			21.6	0.0	
100	IS4134M	1	1	18.07			18.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
50	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
50	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
70	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
80	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
90	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
40	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
30	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
25	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
15	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
10	QPSK	1	1	633002	633304	633606	Turn-up time (min)	MFR (dB)	

Part27Q_n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PI2 BPSK	1	1	20.86			21.6	0.0	
100	PI2 BPSK	1	137	20.80					
100	PI2 BPSK	1	271	20.85					
100	PI2 BPSK	135	0	20.88			21.6	0.0	
100	PI2 BPSK	135	86	20.82			21.6	0.0	
100	PI2 BPSK	135	136	20.82			21.6	0.0	
100	PI2 BPSK	270	0	20.85					
100	QPSK	1	1	20.88					
100	QPSK	1	137	20.84			21.6	0.0	
100	QPSK	1	271	20.87					
100	QPSK	135	0	20.88			21.6	0.0	
100	QPSK	135	86	20.83			21.6	0.0	
100	QPSK	135	136	20.84			21.6	0.0	
100	QPSK	270	0	20.87					
100	IS4134	1	1	20.87			21.6	0.0	
100	IS4134M	1	1	20.88			21.6	0.0	
100	IS4134M	1	1	18.90			18.8	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.84	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.83	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.84	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.81	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.82	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.83	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.83	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
25	QPSK	1	1	20.80	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.82	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
15	QPSK	1	1	20.78	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.81	633002	633688	Turn-up time (min)	MFR (dB)	

Part27Q_n78_Ant 12 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PI2 BPSK	1	1	20.75			21.6	0.0	
100	PI2 BPSK	1	137	20.84					
100	PI2 BPSK	1	271	20.72					
100	PI2 BPSK	135	0	20.80			21.6	0.0	
100	PI2 BPSK	135	86	20.79			21.6	0.0	
100	PI2 BPSK	135	136	20.75			21.6	0.0	
100	PI2 BPSK	270	0	20.80					
100	QPSK	1	1	20.86					
100	QPSK	1	137	20.77			21.6	0.0	
100	QPSK	1	271	20.82					
100	QPSK	135	0	20.73			21.6	0.0	
100	QPSK	135	86	20.83			21.6	0.0	
100	QPSK	135	136	20.75			21.6	0.0	
100	QPSK	270	0	20.80					
100	IS4134	1	1	20.81			21.6	0.0	
100	IS4134M	1	1	20.74			21.6	0.0	
100	IS4134M	1	1	18.97			18.8	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.87	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.76	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.78	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.80	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.79	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.81	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.84	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
25	QPSK	1	1	20.74	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.88	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
15	QPSK	1	1	20.76	633002	633688	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.81	633002	633688	Turn-up time (min)	MFR (dB)	

2.4GHz WLAN			Full Power		Head Standalone		Body/Hotspot Standalone		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Ant 1		Ant 1		Ant 1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	6	2412	21.04	22.50	17.19	18.50	20.56	22.00	99.84
		1	2437	20.81	22.50	16.82	18.50	20.46	22.00	
		11	2462	20.90	22.50	17.04	18.50	20.25	22.00	
	802.11g 6Mbps	1	2412	20.51	22.00		18.50		22.00	99.05
		6	2437	20.87	22.50		18.50		22.00	
		11	2462	19.44	21.00		18.50		21.00	
	802.11n-HT20 MCS0	1	2412	20.46	22.00		18.50		22.00	99.63
		6	2437	20.72	22.50		18.50		22.00	
		11	2462	18.25	20.00		18.50		20.00	
	802.11n-HT40 MCS0	3	2422	19.49	20.50		18.50		20.50	99.63
		6	2437	20.11	21.00		18.50		21.00	
		9	2452	18.15	19.00		18.50		19.00	
	802.11ac-VHT20 MCS0	1	2412		22.00		18.50		22.00	99.63
		6	2437		22.50		18.50		22.00	
		11	2462		20.00		18.50		20.00	
	802.11ac-VHT40 MCS0	3	2422	Not Required			18.50		20.50	Not Required
		6	2437		21.00		18.50		21.00	
		9	2452		19.00		18.50		19.00	
802.11ax-HE20 MCS0	1	2412	20.54	22.00		18.50		22.00	99.63	
	6	2437	20.27	22.00		18.50		22.00		
	11	2462	17.91	19.50		18.50		19.50		
802.11ax-HE40 MCS0	3	2422	19.35	20.50		18.50		20.50	99.63	
	6	2437	18.66	20.00		18.50		20.00		
	9	2452	17.70	19.00		18.50		19.00		
802.11be-EHT20 MCS0	1	2412	13.01	14.00		14.00		14.00	99.63	
	6	2437	12.72	14.00		14.00		14.00		
	11	2462	12.82	14.00		14.00		14.00		
802.11be-EHT40 MCS0	3	2422	12.11	13.00		13.00		13.00	99.63	
	6	2437	13.98	15.00		15.00		15.00		
	9	2452	13.96	15.00		15.00		15.00		

2.4GHz WLAN	2.4GHz WLAN		Full Power		Head Standalone		Body/Hotspot Standalone		Duty Cycle %	
	Mode	Channel	Frequency γ (MHz)	Ant 7		Ant 7		Ant 7		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)		Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.20	22.50	17.22	18.50	20.29	21.50	99.92
		2	2417	17.63	19.00	17.11	18.50	17.63	19.00	
		6	2437	16.20	17.50	16.20	17.50	16.20	17.50	
	802.11g 6Mbps	11	2462	17.60	19.00	17.04	18.50	17.60	19.00	99.53
		1	2412	17.41	18.50		18.50		18.50	
		6	2437	17.00	18.00		18.00		18.00	
	802.11n-HT20 MCS0	11	2462	17.52	18.50		18.50		18.50	99.63
		1	2412	16.88	18.00		18.00		18.00	
		6	2437	17.50	18.50		18.50		18.50	
	802.11n-HT40 MCS0	11	2462	17.11	18.00		18.00		18.00	99.63
		3	2422	14.85	16.50		16.50		16.50	
		6	2437	16.63	18.50		18.50		18.50	
	802.11ac-VHT20 MCS0	9	2452	14.66	16.50		16.50		16.50	99.63
		1	2412		18.00		18.00		18.00	
		6	2437		18.50		18.50		18.50	
	802.11ac-VHT40 MCS0	11	2462	Not Required	18.00		18.00		18.00	99.63
		3	2422	Required	16.50		16.50		16.50	
		6	2437		16.50		16.50		16.50	
	802.11ax-HE20 MCS0	1	2412	15.42	16.50		16.50		16.50	99.63
		6	2437	17.55	18.50		18.50		18.50	
		11	2462	16.66	17.50		17.50		17.50	
	802.11ax-HE40 MCS0	3	2422	16.01	16.50		16.50		16.50	99.63
		6	2437	17.55	18.00		18.00		18.00	
		9	2452	16.17	16.50		16.50		16.50	
802.11be-EHT20 MCS0	1	2412	13.45	14.00		14.00		14.00	99.63	
	6	2437	13.54	14.00		14.00		14.00		
	11	2462	13.65	14.00		14.00		14.00		
802.11be-EHT40 MCS0	3	2422	12.73	13.00		13.00		13.00	99.63	
	6	2437	14.92	15.00		15.00		15.00		
	9	2452	14.97	15.00		15.00		15.00		

5.2GHz WLAN			Full Power Ant 15		Head Standalone Ant 15		Body/Hotspot Ant 15		Duty Cycle %
Mode	Channel	Frequen- cy (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.84	21.50	Not Required	13.50	16.50	99.53
		40	5200	19.78	21.50		13.50	16.50	
		44	5220	19.80	21.50		13.50	16.50	
	802.11n-HT20 MCS0	48	5240	19.57	21.50	Not Required	13.50	16.50	100.00
		36	5180	19.33	21.00		13.50	16.50	
		40	5200	19.72	21.50		13.50	16.50	
	802.11n-HT40 MCS0	44	5220	19.72	21.50	Not Required	13.50	16.50	100.00
		48	5240	19.65	21.50		13.50	16.50	
		36	5180	19.33	21.00		13.50	16.50	
	802.11ac-VHT20 MCS0	48	5240	19.57	21.50	Not Required	13.50	16.50	100.00
		36	5180	19.33	21.00		13.50	16.50	
		44	5220	19.72	21.50		13.50	16.50	
802.11ac-VHT40 MCS0	48	5240	19.57	21.50	Not Required	13.50	16.50	100.00	
	36	5180	19.33	21.00		13.50	16.50		
	44	5220	19.72	21.50		13.50	16.50		
802.11ax-HE20 MCS0	42	5210	16.44	18.00	Not Required	12.06	14.87	99.63	
	36	5180	19.31	21.00		13.50	16.50		
	40	5200	19.76	21.50		13.50	16.50		
802.11ax-HE40 MCS0	44	5220	19.69	21.50	Not Required	13.50	16.50	99.82	
	48	5240	19.59	21.50		13.50	16.50		
	36	5180	16.32	18.00		13.50	16.50		
802.11ax-HE80 MCS0	46	5230	19.76	21.50	Not Required	13.50	16.50	99.63	
	42	5210	17.02	18.50		13.50	16.50		
	36	5180	16.32	17.50		13.50	16.50		
802.11be-EHT20 MCS0	40	5200	16.21	17.50	Not Required	13.50	16.50	99.82	
	44	5220	16.19	17.50		13.50	16.50		
	48	5240	16.05	17.50		13.50	16.50		
802.11be-EHT40 MCS0	36	5180	15.47	17.00	Not Required	13.50	16.50	99.63	
	46	5230	15.46	17.00		13.50	16.50		
	42	5210	15.16	16.50		13.50	16.50		

5.2GHz WLAN			Full Power Ant 10		Head Standalone Ant 10		Body/Hotspot Ant 10		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180	19.15	21.00	Not Required	16.00	Not Required	19.00	99.05	
	40	5200	19.69	21.50		16.00		19.00		
	44	5220	19.72	21.50		16.00		19.00		
802.11n-HT20 MCS0	48	5240	19.73	21.50	Not Required	16.00	Not Required	19.00	99.45	
	36	5180	18.59	20.50		16.00		19.00		
	40	5200	19.68	21.50		16.00		19.00		
802.11n-HT40 MCS0	44	5220	19.70	21.50	Not Required	16.00	Not Required	19.00	99.82	
	48	5240	19.75	21.50		16.00		19.00		
	36	5180	16.51	18.50		16.00		19.00		
802.11ac-VHT20 MCS0	46	5230	19.59	21.50	Not Required	16.00	Not Required	19.00	99.82	
	36	5180		20.50		16.00		19.00		
	40	5200		21.50		16.00		19.00		
802.11ac-VHT40 MCS0	44	5220	Not Required	21.50	Not Required	16.00	Not Required	19.00	99.45	
	48	5240		21.50		16.00		19.00		
	36	5180		18.50		16.00		19.00		
802.11ax-VHT40 MCS0	46	5230		21.50	Not Required	16.00	Not Required	19.00	99.82	
	42	5210	17.66	19.50		14.25		16.00		17.31
	36	5180	18.66	20.50		16.00		19.00		
802.11ax-HE20 MCS0	40	5200	19.74	21.50	Not Required	16.00	Not Required	19.00	99.63	
	44	5220	19.76	21.50		16.00		19.00		
	48	5240	19.61	21.50		16.00		19.00		
802.11ax-HE40 MCS0	36	5180	17.08	19.50	Not Required	16.00	Not Required	19.00	100.00	
	46	5230	19.65	21.50		16.00		19.00		
	42	5210	17.80	19.50		16.00		19.00		
802.11ax-HE80 MCS0	36	5180	15.76	17.50	Not Required	16.00	Not Required	19.00	100.00	
	40	5200	15.73	17.50		16.00		19.00		
	44	5220	15.84	17.50		16.00		19.00		
802.11be-EHT20 MCS0	48	5240	15.85	17.50	Not Required	16.00	Not Required	19.00	99.82	
	36	5180	15.29	17.00		16.00		19.00		
	46	5230	15.13	17.00		16.00		19.00		
802.11be-EHT40 MCS0	42	5210	14.89	16.50	Not Required	16.00	Not Required	19.00	99.63	
	40	5200	14.89	16.50		16.00		19.00		
	44	5220	14.89	16.50		16.00		19.00		

5.3GHz WLAN	Full Power		Head Standalone		Body		Duty Cycle %	
	Ant 15	Ant 15	Ant 15	Ant 15	Ant 15	Ant 15		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
802.11a 6Mbps	52	5260	19.58	21.50	13.50	16.50	13.50	16.50
	56	5280	19.66	21.50	13.50	16.50	13.50	16.50
	60	5300	19.72	21.50	13.50	16.50	13.50	16.50
802.11n-HT20 MCS0	64	5320	19.56	21.50	13.50	16.50	13.50	16.50
	52	5260	19.52	21.50	13.50	16.50	13.50	16.50
	56	5280	19.54	21.50	13.50	16.50	13.50	16.50
802.11n-HT40 MCS0	60	5300	19.60	21.50	13.50	16.50	13.50	16.50
	64	5320	18.53	20.50	13.50	16.50	13.50	16.50
	54	5270	19.57	21.50	Not Required	13.50	Not Required	16.50
802.11ac-VHT20 MCS0	62	5310	16.14	18.00	13.50	16.50	13.50	16.50
	52	5260		21.50	13.50	16.50	13.50	16.50
	56	5280		21.50	13.50	16.50	13.50	16.50
802.11ac-VHT40 MCS0	60	5300	Not Required		13.50	16.50	13.50	16.50
	64	5320	Not Required	20.50	13.50	16.50	13.50	16.50
	54	5270		21.50	13.50	16.50	13.50	16.50
802.11ac-VHT80 MCS0	62	5310	16.14	18.00	13.50	16.50	13.50	16.50
	52	5260	19.56	21.50	13.50	16.50	13.50	16.50
	56	5280	19.58	21.50	13.50	16.50	13.50	16.50
802.11ax-HE20 MCS0	60	5300	19.64	21.50	13.50	16.50	13.50	16.50
	64	5320	18.66	20.50	13.50	16.50	13.50	16.50
	54	5270	19.66	21.50	13.50	16.50	13.50	16.50
802.11ax-HE40 MCS0	62	5310	16.33	18.00	13.50	16.50	13.50	16.50
	52	5260	19.43	20.00	13.50	16.50	13.50	16.50
	56	5280	19.46	20.00	13.50	16.50	13.50	16.50
802.11ax-HE60 MCS0	50	5250	14.18	16.00	12.32	16.00	13.50	16.00
	52	5260	19.56	21.50	13.50	16.50	13.50	16.50
	56	5280	19.58	21.50	13.50	16.50	13.50	16.50
802.11ax-HE80 MCS0	60	5300	19.64	21.50	13.50	16.50	13.50	16.50
	64	5320	18.66	20.50	13.50	16.50	13.50	16.50
	54	5270	19.66	21.50	13.50	16.50	13.50	16.50
802.11be-ET20 MCS0	50	5250	14.22	16.00	12.32	16.00	13.50	16.00
	52	5260	17.02	18.50	Not Required	13.50	Not Required	16.50
	56	5280	17.08	18.50	13.50	16.50	13.50	16.50
802.11be-ET40 MCS0	60	5300	17.16	18.50	13.50	16.50	13.50	16.50
	64	5320	16.96	18.50	13.50	16.50	13.50	16.50
	54	5270	16.70	18.50	13.50	16.50	13.50	16.50
802.11be-ET80 MCS0	62	5310	16.81	18.50	13.50	16.50	13.50	16.50
	58	5290	16.03	17.50	13.50	16.50	13.50	16.50
	60	5300	16.16	18.50	13.50	16.50	13.50	16.50
802.11be-ET160 MCS0	54	5270	16.16	18.50	13.50	16.50	13.50	16.50
	62	5310	16.81	18.50	13.50	16.50	13.50	16.50
	58	5290	16.03	17.50	13.50	16.50	13.50	16.50

5.50GHz WLAN			Full Power		Head Standalone		Body		Duty Cycle %
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	19.55	21.50	Not Required	Not Required	15.50	17.50	99.53
	116	5580	19.61	21.50			15.50	17.50	
	124	5620	19.74	21.50			15.50	17.50	
	132	5660	19.68	21.50			15.50	17.50	
802.11n-HT20 MCS0	140	5700	19.58	21.50	Not Required	Not Required	15.50	17.50	100.00
	100	5500	19.60	21.50			15.50	17.50	
	116	5580	19.73	21.50			15.50	17.50	
	124	5620	19.66	21.50			15.50	17.50	
802.11n-HT40 MCS0	132	5660	19.61	21.50	Not Required	Not Required	15.50	17.50	100.00
	140	5700	19.00	21.00			15.50	17.50	
	102	5510	17.59	19.50			15.50	17.50	
	110	5550	20.08	21.50			15.50	17.50	
802.11ac-VHT20 MCS0	126	5630	19.83	21.50	Not Required	Not Required	15.50	17.50	100.00
	134	5670	18.66	20.50			15.50	17.50	
	106	5500	21.50	21.50			15.50	17.50	
	116	5580	21.50	21.50			15.50	17.50	
802.11ac-VHT40 MCS0	124	5620	21.50	21.50	Not Required	Not Required	15.50	17.50	100.00
	132	5660	21.50	21.50			15.50	17.50	
	140	5700	21.00	21.00			15.50	17.50	
	102	5510	19.50	19.50			15.50	17.50	
802.11ac-VHT80 MCS0	122	5610	19.30	21.00	Not Required	Not Required	15.50	17.50	100.00
	126	5630	21.50	21.50			15.50	17.50	
	134	5670	20.00	20.00			15.50	17.50	
	106	5530	17.12	19.00			15.67	17.66	
802.11ac-VHT160 MCS0	122	5610	19.30	21.00	Not Required	Not Required	15.50	17.50	100.00
	114	5570	13.15	14.50			14.50	14.50	
	100	5500	19.16	21.00			15.50	17.50	
	116	5580	19.77	21.50			15.50	17.50	
802.11ax-HE20 MCS0	124	5620	19.72	21.50	Not Required	Not Required	15.50	17.50	100.00
	132	5660	19.68	21.50			15.50	17.50	
	140	5700	17.54	19.50			15.50	17.50	
	102	5510	18.23	19.00			15.50	17.50	
802.11ax-HE40 MCS0	110	5550	20.17	21.50	Not Required	Not Required	15.50	17.50	100.00
	126	5630	19.91	21.50			15.50	17.50	
	134	5670	18.82	20.50			15.50	17.50	
	106	5530	19.25	21.00			15.50	17.50	
802.11ax-HE80 MCS0	122	5610	18.95	20.50	Not Required	Not Required	15.50	17.50	100.00
	114	5570	13.19	14.50			14.50	14.50	
	100	5500	15.60	17.00			15.50	17.50	
	116	5580	15.96	17.00			15.50	17.00	
802.11be-EHT20 MCS0	124	5620	15.31	17.00	Not Required	Not Required	15.50	17.00	99.82
	132	5660	15.12	17.00			15.50	17.00	
	140	5700	15.16	17.00			15.50	17.00	
	102	5510	14.32	16.00			16.00	16.00	
802.11be-EHT40 MCS0	110	5550	14.87	16.00	Not Required	Not Required	16.00	16.00	99.63
	126	5630	14.29	16.00			16.00	16.00	
	134	5670	14.28	16.00			16.00	16.00	
	106	5530	14.06	16.50			15.50	15.50	
802.11be-EHT80 MCS0	122	5610	14.37	16.50	Not Required	Not Required	15.50	15.50	99.45
	114	5570	13.25	14.50			14.50	14.50	

5.8GHz WLAN				Full Power Ant 15		Head Standalone Ant 15		Body/Hotspot Ant 15		Duty Cycle %
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	149	5745	21.12	23.00	Not Required	Not Required	16.50	18.50	99.53	
	157	5785	21.26	23.00			16.50	18.50		
	165	5825	21.33	23.00			16.50	18.50		
	149	5745	21.22	23.00			16.50	18.50		
802.11n-HT20 MCS0	157	5785	21.32	23.00	Not Required	Not Required	16.50	18.50	100.00	
	165	5825	21.31	23.00			16.50	18.50		
	151	5755	20.59	22.50			16.50	18.50		
	159	5795	20.68	22.50			16.50	18.50		
802.11n-HT40 MCS0	149	5745	23.00	23.00	Not Required	Not Required	16.50	18.50	100.00	
	157	5785	23.00	23.00			16.50	18.50		
	165	5825	23.00	23.00			16.50	18.50		
	151	5755	22.50	22.50			16.50	18.50		
802.11ac-VHT20 MCS0	151	5755	22.50	22.50	Not Required	Not Required	16.50	18.50	100.00	
	159	5795	22.50	22.50			16.50	18.50		
	155	5775	19.15	21.00			16.50	17.68		
	149	5745	20.76	22.50			16.50	18.50		
802.11ac-VHT40 MCS0	149	5745	20.76	22.50	Not Required	Not Required	16.50	18.50	100.00	
	157	5785	20.86	22.50			16.50	18.50		
	165	5825	20.85	22.50			16.50	18.50		
	151	5755	20.63	22.50			16.50	18.50		
802.11ac-HE40 MCS0	151	5755	20.63	22.50	Not Required	Not Required	16.50	18.50	99.82	
	159	5795	20.74	22.50			16.50	18.50		
	155	5775	19.22	21.00			16.50	18.50		
	149	5745	17.74	19.50			16.50	18.50		
802.11be-EHT20 MCS0	157	5785	17.85	19.50	Not Required	Not Required	16.50	18.50	99.82	
	165	5825	17.89	19.50			16.50	18.50		
	151	5755	17.91	19.50			16.50	18.50		
	159	5795	18.06	19.50			16.50	18.50		
802.11be-EHT80 MCS0	155	5775	16.69	18.50	Not Required	Not Required	16.50	18.50	99.45	
	149	5745	16.69	18.50			16.50	18.50		

5.5GHz WLAN			Full Power Ant 10		Head Standalone Ant 10		Body Ant 10		Duty Cycle %
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	19.91	21.50	Not Required	Not Required	17.00	21.50	99.05
	116	5580	19.93	21.50			17.00	21.50	
	124	5620	19.88	21.50			17.00	21.50	
	132	5660	19.75	21.50			17.00	21.50	
802.11n-HT20 MCS0	140	5700	19.60	21.50	Not Required	Not Required	17.00	21.50	99.45
	100	5500	19.76	21.50			17.00	21.50	
	116	5580	19.84	21.50			17.00	21.50	
	124	5620	19.73	21.50			17.00	21.50	
802.11n-HT40 MCS0	132	5660	19.66	21.50	Not Required	Not Required	17.00	21.50	99.82
	140	5700	19.55	21.50			17.00	21.50	
	102	5510	20.22	21.50			17.00	21.50	
	110	5550	20.23	21.50			17.00	21.50	
802.11ac-VHT20 MCS0	126	5630	19.96	21.50	Not Required	Not Required	17.00	21.50	99.45
	134	5670	19.84	21.50			17.00	21.50	
	106	5530	21.50	21.50			17.00	21.50	
	116	5580	21.50	21.50			17.00	21.50	
802.11ac-VHT40 MCS0	124	5620	21.50	21.50	Not Required	Not Required	17.00	21.50	99.82
	132	5660	21.50	21.50			17.00	21.50	
	140	5700	21.50	21.50			17.00	21.50	
	102	5510	21.50	21.50			17.00	21.50	
802.11ac-VHT80 MCS0	110	5550	21.50	21.50	Not Required	Not Required	17.00	21.50	99.82
	126	5630	21.50	21.50			17.00	21.50	
	134	5670	21.50	21.50			17.00	21.50	
	106	5530	20.32	21.50			15.76	17.00	
802.11ac-VHT160 MCS0	106	5530	20.32	21.50	Not Required	Not Required	15.76	17.00	100.00
	122	5610	20.53	21.50			15.94	20.53	
802.11ax-HE20 MCS0	114	5570	13.61	14.50	Not Required	Not Required	14.50	14.50	100.00
	100	5500	19.82	21.50			17.00	21.50	
	116	5580	19.90	21.50			17.00	21.50	
	124	5620	19.79	21.50			17.00	21.50	
802.11ax-HE40 MCS0	132	5660	19.73	21.50	Not Required	Not Required	17.00	21.50	99.63
	140	5700	19.61	21.50			17.00	21.50	
	102	5510	20.28	21.50			17.00	21.50	
	110	5550	20.29	21.50			17.00	21.50	
802.11ax-HE80 MCS0	126	5630	20.01	21.50	Not Required	Not Required	17.00	21.50	100.00
	134	5670	19.90	21.50			17.00	21.50	
	106	5530	19.94	21.50			17.00	21.50	
	122	5610	20.62	21.50			17.00	21.50	
802.11ax-HE160 MCS0	114	5570	13.66	14.50	Not Required	Not Required	14.50	14.50	100.00
	100	5500	15.79	17.00			15.79	17.00	
802.11be-EHT20 MCS0	116	5580	16.03	17.00	Not Required	Not Required	17.00	17.00	99.82
	124	5620	16.34	17.00			17.00	17.00	
	132	5660	16.13	17.00			17.00	17.00	
	140	5700	16.16	17.00			17.00	17.00	
802.11be-EHT40 MCS0	102	5510	14.82	16.00	Not Required	Not Required	16.00	16.00	99.63
	110	5550	14.94	16.00			16.00	16.00	
	126	5630	15.22	16.00			16.00	16.00	
	134	5670	15.25	16.00			16.00	16.00	
802.11be-EHT80 MCS0	106	5530	14.59	15.50	Not Required	Not Required	15.50	15.50	99.45
	122	5610	14.66	15.50			15.50	15.50	
802.11be-EHT160 MCS0	114	5570	13.71	14.50	Not Required	Not Required	14.50	14.50	100.00

Appendix E

Report No. : FA561202

2.4GHz WLAN				Full Power				Head Standalone				Body/Repeater Standalone								Duty Cycle			
Mode	Channel	Frequency (MHz)	RU Config.	Ant 11		Ant 7		Ant 11+7		Ant 11		Ant 7		Ant 11+7		Ant 11		Ant 7			Ant 11+7		
				Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit		Average power (dbm)	Time-Up Limit	Average power (dbm)
2.4GHz WLAN	802.11b-1Mbps	1	2437	Full	19.06	20.50	19.20	20.50	22.19	23.50	15.04	17.50	16.33	17.50	18.15	20.50	18.48	20.20	18.94	20.20	21.75	23.20	99.92
		2	2437	Full	18.81	20.50	19.34	20.50	22.09	23.50	15.89	17.50	16.19	17.50	18.05	20.50	18.43	20.20	18.90	20.20	21.68	23.20	
		11	2462	Full	18.61	20.50	19.13	20.50	21.90	23.50	15.69	16.30	17.50	19.08	20.50	18.35	20.20	18.88	20.17	21.63	23.20		
		6	2437	Full	18.03	16.00	16.29	17.00	19.10	20.00	15.79	17.00	17.00	17.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00		
		6	2437	Full	15.67	17.00	16.26	17.00	18.98	20.00	17.00	17.00	17.00	17.00	20.00	17.00	17.00	17.00	17.00	17.00	20.00		
		1	2462	Full	15.77	17.00	16.35	17.00	19.08	20.00	17.00	17.00	17.00	17.00	20.00	17.00	17.00	17.00	17.00	17.00	20.00		
	802.11b-VHT20 MCS0	1	2412	Full	12.53	14.00	12.53	14.00	16.16	17.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	99.63
		6	2437	Full	12.84	14.00	13.48	14.00	16.08	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
		11	2462	Full	12.75	14.00	13.55	14.00	16.18	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
		3	2422	Full	14.11	15.00	14.75	15.00	17.45	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
		6	2437	Full	14.38	15.00	15.00	15.00	17.41	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
		9	2452	Full	13.89	15.00	14.93	15.00	17.45	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
	802.11ac-VHT20 MCS0	1	2412	Full	14.00	14.00	14.00	14.00	17.00	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	99.63
		6	2437	Full	19.20	19.20	19.20	19.20	22.50	22.50	17.50	17.50	17.50	17.50	22.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	
		11	2462	Full	Not Required	15.50	15.50	15.50	17.00	17.00	15.50	15.50	15.50	15.50	17.00	15.50	15.50	15.50	15.50	15.50	15.50	15.50	
		3	2422	Full	Required	15.00	15.00	15.00	17.00	17.00	15.00	15.00	15.00	15.00	17.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
		6	2437	Full	18.50	18.50	18.50	18.50	21.50	21.50	17.50	17.50	17.50	17.50	21.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	
		9	2452	Full	14.50	14.50	14.50	14.50	17.50	17.50	14.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	
	802.11ac-VHT40 MCS0	1	2412	Full	12.96	14.00	13.41	14.00	16.20	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	99.63
		6	2437	Full	8.30	9.50	8.11	9.50	11.22	12.50	8.50	9.50	12.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50	
		11	5213	Full	11.02	12.50	11.00	12.50	14.03	15.50	12.50	12.50	12.50	12.50	15.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	
		6	10653	Full	14.01	15.00	14.03	15.00	17.03	18.50	15.00	15.00	15.00	15.00	18.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
		6	2437	Full	12.69	14.00	13.50	14.00	16.12	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
		11	5240	Full	12.78	14.00	13.58	14.00	16.21	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
802.11ax-HE20 MCS0	1	2462	Full	8.35	9.50	8.34	9.50	11.38	12.50	8.50	9.50	12.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50	99.63	
	6	10654	Full	11.00	12.50	11.05	12.50	14.07	15.50	12.50	12.50	12.50	12.50	15.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50		
	3	2422	Full	14.03	15.00	14.01	15.00	17.03	18.50	15.00	15.00	15.00	15.00	18.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
	6	2437	Full	14.13	15.00	14.77	15.00	17.47	18.00	15.00	15.00	15.00	15.00	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
	9	2452	Full	13.94	15.00	14.87	15.00	17.44	18.00	15.00	15.00	15.00	15.00	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
	6	2437	Full	13.92	15.00	14.96	15.00	17.48	18.00	15.00	15.00	15.00	15.00	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
802.11ax-HE40 MCS0	1	2412	Full	13.01	14.00	13.45	14.00	16.25	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	99.63	
	6	10653	Full	8.30	9.50	8.35	9.50	11.28	12.50	8.50	9.50	12.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50		
	11	5213	Full	11.07	12.50	11.05	12.50	14.07	15.50	12.50	12.50	12.50	12.50	15.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50		
	6	10653	Full	14.08	15.00	14.09	15.00	17.10	18.50	15.00	15.00	15.00	15.00	18.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
	6	52426	Full	11.10	12.50	11.08	12.50	14.10	15.50	12.50	12.50	12.50	12.50	15.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50		
	11	10654	Full	14.05	15.00	14.06	15.00	17.08	18.50	15.00	15.00	15.00	15.00	18.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
802.11be-EHT20 MCS0	6	2437	Full	12.72	14.00	13.54	14.00	16.16	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	99.63	
	11	2462	Full	12.82	14.00	13.65	14.00	16.27	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00		
	6	10653	Full	8.47	9.50	8.44	9.50	11.47	12.50	8.50	9.50	12.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50		
	11	5240	Full	11.11	12.50	11.07	12.50	14.10	15.50	12.50	12.50	12.50	12.50	15.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50		
	6	10654	Full	14.05	15.00	14.06	15.00	17.07	18.50	15.00	15.00	15.00	15.00	18.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
	11	52426	Full	11.04	12.50	11.10	12.50	14.08	15.50	12.50	12.50	12.50	12.50	15.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50		
802.11be-EHT40 MCS0	3	2422	Full	12.11	13.00	12.73	13.00	15.44	16.00	13.00	13.00	13.00	13.00	16.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	99.63	
	6	2437	Full	13.58	15.00	14.52	15.00	17.49	18.00	15.00	15.00	15.00	15.00	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
	11	2462	Full	12.81	14.00	13.64	14.00	16.26	17.00	14.00	14.00	14.00	14.00	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00		
	6	10653	Full	8.47	9.50	8.44	9.50	11.47	12.50	8.50	9.50	12.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50	9.50	12.50		
	11	5240	Full	11.11	12.50	11.07	12.50	14.10	15.50	12.50	12.50	12.50	12.50	15.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50		
	6	10654	Full	14.05	15.00	14.06	15.00	17.07	18.50	15.00	15.00	15.00	15.00	18.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00		

Mode		Channel		Frequency (MHz)		RU Config		Full Power						Head Standalone						Body/Hotspot Standalone						Duty Cycle (%)
								Ant 15		Ant 10		Ant 15+10		Ant 15		Ant 10		Ant 15+10		Ant 15		Ant 10		Ant 15+10		
								Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
802.11a 8Mbps		36	5180	Full	16.23	17.50	15.94	17.50	15.94	17.50	15.94	17.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	95.33			
		40	5200	Full	16.11	17.50	15.72	17.50	15.83	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11a 16Mbps		44	5220	Full	16.08	17.50	15.81	17.50	15.96	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	100.00			
		48	5240	Full	16.01	17.50	15.80	17.50	15.92	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11n-HT20 MCS0		36	5180	Full	16.17	17.50	15.91	17.50	15.93	20.50	14.00	14.00	14.00	17.00	17.00	Not Required	17.00	17.00	Not Required	17.00	17.00	20.00	100.00			
		40	5200	Full	16.11	17.50	15.61	17.50	15.88	20.50	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11n-HT40 MCS0		44	5220	Full	16.05	17.50	15.69	17.50	15.89	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	100.00			
		48	5240	Full	15.91	17.50	15.72	17.50	15.83	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11ac-VHT20 MCS0		36	5180	Full	15.33	17.00	15.23	17.00	15.23	20.50	12.49	12.26	14.00	17.00	15.30	17.00	15.13	17.00	15.13	17.00	18.23	20.00	100.00			
		40	5200	Full	15.29	17.00	15.04	17.00	15.18	20.50	14.00	14.00	14.00	17.00	15.29	17.00	15.04	17.00	15.04	17.00	18.18	20.00				
802.11ac-VHT40 MCS0		36	5180	Full	17.50	17.50	17.50	17.50	20.50	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	100.00			
		44	5220	Full	17.50	17.50	17.50	17.50	20.50	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11ac-VHT80 MCS0		48	5240	Full	17.50	17.50	17.50	17.50	20.50	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	100.00			
		38	5190	Full	17.50	17.50	17.50	17.50	20.50	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11ac-VHT160 MCS0		46	5230	Full	17.50	17.50	17.50	17.50	20.50	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	100.00			
		42	5210	Full	14.97	16.50	14.70	16.50	17.85	19.50	12.49	12.26	15.39	17.00	14.90	16.50	14.90	16.50	14.90	16.50	14.90	16.50		20.00		
802.11ax-H20 MCS0		36	5180	26D	16.21	17.50	15.69	17.50	15.97	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	100.00			
		40	5200	Full	16.16	17.50	15.68	17.50	15.93	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11ax-H40 MCS0		44	5220	Full	16.07	17.50	15.74	17.50	15.92	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	100.00			
		48	5240	Full	15.93	17.50	15.76	17.50	15.85	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11ax-H80 MCS0		36	5180	Full	15.34	17.00	15.24	17.00	15.26	20.50	12.49	12.26	14.00	17.00	15.34	17.00	15.24	17.00	15.24	17.00	15.26	20.00	100.00			
		40	5200	Full	15.33	17.00	15.08	17.00	15.21	20.50	14.00	14.00	14.00	17.00	17.00	Not Required	17.00	17.00	Not Required	17.00	17.00	20.00				
802.11ax-H160 MCS0		46	5230	Full	15.00	16.50	14.73	16.50	17.88	19.50	14.00	14.00	14.00	17.00	17.00	Not Required	16.50	16.50	Not Required	16.50	16.50	20.00	100.00			
		42	5210	Full	16.32	17.50	15.78	17.50	15.97	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11be-EHT20 MCS0		36	5180	26D	2.27	4.00	2.83	4.00	5.57	7.00	Not Required	Not Required	10.00	15.00	13.00	16.00	13.00	16.00	13.00	16.00	13.00	20.00	96.82			
		40	5200	Full	8.12	10.00	8.16	10.00	11.15	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	16.00				
802.11be-EHT40 MCS0		44	5220	Full	16.19	17.50	15.84	17.50	15.93	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	96.83			
		48	5240	Full	16.05	17.50	15.85	17.50	15.96	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11be-EHT80 MCS0		36	5180	Full	15.47	17.00	15.27	17.00	15.39	20.50	14.00	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	96.45			
		40	5200	Full	15.46	17.00	15.13	17.00	15.30	20.50	14.00	14.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00				
802.11be-EHT160 MCS0		46	5230	Full	15.15	16.50	14.89	16.50	18.04	19.50	14.00	14.00	14.00	17.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	20.00	96.45			
		42	5210	Large RU 484+242	14.55	16.50	14.61	16.50	17.59	19.50	14.00	14.00	14.00	17.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	20.00				

5.3GHz WLAN			Full Power						Head Standalone						Body Standalone						Duty Cycle		
Mode	Channel	Frequency (MHz)	RU Config.	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit				
802.11a 6Mbps	52	5280	Full	16.93	18.50	16.67	18.50	19.81	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50	95.93			
	56	5280	Full	16.99	18.50	16.73	18.50	19.87	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	60	5320	Full	17.12	18.50	17.00	18.50	20.07	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	64	5320	Full	16.89	18.50	16.99	18.50	19.95	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	802.11n-HT20 MCS0	52	5280	Full	16.76	18.50	16.66	18.50	19.72	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50	100.00		
		56	5280	Full	16.78	18.50	16.66	18.50	19.75	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50			
		60	5320	Full	17.02	18.50	16.80	18.50	19.94	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50			
		64	5320	Full	16.82	18.50	16.88	18.50	19.86	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50			
	802.11n-HT40 MCS0	54	5270	Full	16.53	18.50	16.51	18.50	19.53	21.50	Not Required	Not Required	14.00	14.00	Not Required	17.50	Not Required	17.50	Not Required	20.50	20.00	100.00	
		62	5310	Full	16.64	17.00	16.85	17.00	19.76	20.00	14.00	14.00	14.00	14.00	17.00	17.00	14.00	14.00	17.00	17.00	20.00		20.00
		52	5280	Full	16.50	18.50	16.50	18.50	19.50	21.50	14.00	14.00	14.00	14.00	17.00	17.00	14.00	14.00	17.00	17.00	20.50		20.50
		56	5280	Full	16.50	18.50	16.50	18.50	19.50	21.50	14.00	14.00	14.00	14.00	17.00	17.00	14.00	14.00	17.00	17.00	20.50		20.50
802.11ac-VHT20 MCS0	54	5320	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50	100.00			
	56	5280	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50		20.50	20.50	
	58	5310	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50		20.50	20.50	
	60	5320	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50		20.50	20.50	
802.11ac-VHT40 MCS0	54	5320	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50	100.00			
	56	5280	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50		20.50	20.50	
	58	5310	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50		20.50	20.50	
	60	5320	Full	Not Required	18.50	Not Required	18.50	Not Required	21.50	14.00	14.00	14.00	14.00	17.50	17.50	17.50	17.50	20.50	20.50		20.50	20.50	
802.11ax-HS 160 MCS0	52	5280	Full	16.89	18.50	16.69	18.50	19.80	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50	100.00			
	56	5280	Full	16.92	18.50	16.76	18.50	19.85	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	60	5320	Full	17.04	18.50	16.91	18.50	19.98	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	64	5320	Full	16.94	18.50	16.93	18.50	19.89	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	802.11ax-HS20 MCS0	52	5280	26B8	2.42	4.00	2.41	4.00	5.29	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	100.00		
		56	5280	52H40	5.55	7.00	5.13	7.00	8.36	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
		60	5320	106H54	8.12	10.00	8.03	10.00	11.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00			
		64	5320	106H54	8.12	10.00	8.03	10.00	11.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00			
	802.11ax-HS40 MCS0	54	5270	Full	16.67	18.50	16.62	18.50	19.56	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50	100.00		
		62	5310	Full	16.68	17.00	16.88	17.00	19.79	20.00	14.00	14.00	14.00	14.00	17.00	17.00	14.00	14.00	17.00	17.00		20.00	20.00
		52	5280	Full	15.87	18.50	16.16	17.50	19.03	20.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50			
		56	5280	Full	16.24	14.00	14.22	14.00	19.00	17.19	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50			
802.11ax-HS80 MCS0	52	5280	Full	17.02	18.50	16.78	18.50	19.91	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50	100.00			
	56	5280	Full	17.08	18.50	16.82	18.50	19.96	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	60	5320	Full	17.16	18.50	17.06	18.50	20.09	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	64	5320	Full	16.90	18.50	17.07	18.50	19.99	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
802.11be-EHT20 MCS0	54	5320	26B8	2.54	4.00	2.28	4.00	5.41	7.00	4.00	4.00	7.00	4.00	7.00	4.00	7.00	4.00	7.00	4.00	7.00	99.82		
	56	5280	52H40	5.61	7.00	5.19	7.00	8.42	10.00	7.00	7.00	10.00	7.00	10.00	7.00	10.00	7.00	10.00	7.00	10.00			
	60	5320	106H54	8.18	10.00	8.09	10.00	11.15	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00				
	64	5320	52H26_OFDMA	5.86	7.00	5.33	7.00	8.61	10.00	7.00	7.00	10.00	7.00	10.00	7.00	10.00	7.00	10.00	7.00	10.00			
802.11be-EHT40 MCS0	54	5270	106H26_OFDMA	8.62	10.00	8.33	10.00	11.49	13.00	10.00	10.00	13.00	10.00	13.00	10.00	13.00	10.00	13.00	10.00	13.00	99.63		
	62	5310	Full	16.70	18.50	16.60	18.50	19.68	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	52	5280	Full	17.01	18.50	17.00	18.50	19.92	21.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	60	5320	Full	16.63	17.50	16.32	17.50	19.19	20.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
802.11be-EHT80 MCS0	58	5290	Large RU 484+242	15.09	17.50	15.78	17.50	18.90	20.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50	99.45			
	58	5290	Puncturing 20M	15.92	17.50	15.82	17.50	18.86	20.50	14.00	14.00	14.00	14.00	17.00	17.50	17.00	17.50	20.50	20.50				
	58	5290	Large RU 996+484+2	14.12	16.00	14.06	16.00	17.10	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	58	5290	Large RU 996+484+3	14.06	16.00	14.11	16.00	17.10	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
802.11be-EHT160 MCS0	50	5250	Puncturing 40M-2	14.05	16.00	14.00	16.00	17.07	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00	100.00			
	50	5250	Puncturing 40M-3	14.02	16.00	14.13	16.00	17.09	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	50	5250	Puncturing 20M-2	14.03	16.00	14.14	16.00	17.10	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	50	5250	Puncturing 20M-3	14.13	16.00	14.11	16.00	17.13	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	50	5250	Puncturing 20M-4	14.09	16.00	14.16	16.00	17.11	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	50	5250	Puncturing 20M-5	14.25	16.00	14.16	16.00	17.22	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	50	5250	Puncturing 20M-6	14.27	16.00	14.18	16.00	17.24	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	50	5250	Puncturing 20M-7	14.28	16.00	14.19	16.00	17.25	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00				
	802.11be-EHT320 MCS0	54	5270	Large RU 996+484+2	14.12	16.00	14.06	16.00	17.10	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00	100.00		
		54	5270	Large RU 996+484+3	14.06	16.00	14.11	16.00	17.10	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00			
		54	5270	Puncturing 40M-2	14.05	16.00	14.00	16.00	17.07	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00			
		54	5270	Puncturing 40M-3	14.02	16.00	14.13	16.00	17.09	19.00	14.00	14.00	14.00	14.00	17.00	18.00	16.00	16.00	19.00	19.00			



Appendix E

Report No. : FA561202

	5.8GHz WLAN										Full Power										Head Standalone										Body Standalone										Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config.	Ant 15		Ant 10		Ant 15+10		Ant 15		Ant 10		Ant 15+10		Ant 15		Ant 10		Ant 15+10		Ant 15		Ant 10		Ant 15+10														
					Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit											
5.8GHz WLAN	802.11a Mbps	100	5500	Full	15.56	17.00	15.80	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.56	17.00	15.80	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.56	17.00	15.80	17.00	18.69	20.00	95.53										
	116	5680	Full	15.56	17.00	15.80	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.56	17.00	15.80	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.56	17.00	15.80	17.00	18.69	20.00												
	124	5620	Full	15.56	17.00	15.80	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.56	17.00	15.80	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.56	17.00	15.80	17.00	18.69	20.00												
	132	5660	Full	15.50	17.00	16.01	17.00	18.59	20.00	14.50	14.50	14.50	17.50	15.10	17.00	16.01	17.00	18.59	20.00	14.50	14.50	14.50	17.50	15.10	17.00	16.01	17.00	18.59	20.00												
	802.11a-HT20 MCS0	140	5700	Full	15.19	17.00	16.07	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.19	17.00	16.07	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.19	17.00	16.07	17.00	18.69	20.00		100.00									
	100	5500	Full	15.48	17.00	15.70	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.48	17.00	15.70	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.48	17.00	15.70	17.00	18.69	20.00												
	116	5580	Full	15.82	17.00	15.88	17.00	18.86	20.00	14.50	14.50	14.50	17.50	15.82	17.00	15.88	17.00	18.86	20.00	14.50	14.50	14.50	17.50	15.82	17.00	15.88	17.00	18.86	20.00												
	124	5620	Full	15.16	17.00	16.21	17.00	18.73	20.00	14.50	14.50	14.50	17.50	15.16	17.00	16.21	17.00	18.73	20.00	14.50	14.50	14.50	17.50	15.16	17.00	16.21	17.00	18.73	20.00												
	802.11a-HT40 MCS0	136	5680	Full	15.03	17.00	15.92	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.03	17.00	15.92	17.00	18.69	20.00	14.50	14.50	14.50	17.50	15.03	17.00	15.92	17.00	18.69	20.00			100.00								
	140	5700	Full	15.02	17.00	15.02	17.00	18.56	20.00	14.50	14.50	14.50	17.50	15.02	17.00	15.02	17.00	18.56	20.00	14.50	14.50	14.50	17.50	15.02	17.00	15.02	17.00	18.56	20.00												
	102	5510	Full	14.15	16.00	14.66	16.00	17.42	19.00	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00												
	110	5550	Full	14.70	16.00	14.68	16.00	17.42	19.00	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00												
	802.11a-VHT20 MCS0	134	5670	Full	14.11	16.00	15.09	16.00	17.64	19.00	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00				100.00							
	100	5500	Full	17.00	17.00	17.00	17.00	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50											
	116	5580	Full	17.00	17.00	17.00	17.00	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50											
	124	5620	Full	17.00	17.00	17.00	17.00	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50											
	802.11a-VHT40 MCS0	140	5700	Full	17.00	17.00	17.00	17.00	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50	14.50	17.50	20.00	20.00	14.50	14.50					14.50						
	802.11a-VHT80 MCS0	102	5510	Full	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00											
	110	5550	Full	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00											
	802.11a-VHT160 MCS0	110	5550	Full	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00					16.00						
	802.11a-VHT40 MCS0	126	5630	Full	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00					16.00						
	802.11a-VHT80 MCS0	134	5670	Full	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00					16.00						
	802.11a-VHT160 MCS0	140	5700	Full	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	14.50	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00					16.00						
	802.11b-EHT20 MCS0	100	5500	2610	2.41	4.00	2.15	4.00	5.29	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00											
	802.11b-EHT40 MCS0	100	5500	5237	5.78	7.00	5.01	7.00	8.41	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00											
	802.11b-EHT80 MCS0	116	5680	106126 OFDMA	8.06	10.00	8.19	10.00	11.19	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00											
	802.11b-EHT160 MCS0	124	5660	Full	15.84	17.00	15.93	17.00	18.89	20.00	14.50	14.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00					17.00						
	802.11b-EHT320 MCS0	132	5660	Full	15.24	17.00	16.26	17.00	18.79	20.00	14.50	14.50	17.50	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00					17.00						
	802.11b-EHT640 MCS0	140	5700	2610	2.18	4.00	2.44	4.00	5.32	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00											
	802.11b-EHT1280 MCS0	100	5500	52940	6.15	7.00	5.36	7.00	8.27	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00	10.00	7.00	7.00											
	802.11b-EHT2560 MCS0	100	5500	106154	8.16	10.00	8.19	10.00	11.19	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00											
	802.11b-EHT5120 MCS0	102	5510	Full	14.19	16.00	14.69	16.00	17.49	19.00	14.50	14.50	17.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00											
	802.11b-EHT10240 MCS0	110	5550	Full	14.74	16.00	14.71	16.00	17.74	19.00	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00											
	802.11b-EHT20480 MCS0	126	5630	Full	14.26	16.00	15.19	16.00	17.76	19.00	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00											
	802.11b-EHT40960 MCS0	134	5670	Full	14.15	16.00	15.07	16.00	17.67	19.00	14.50	14.50	17.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00											
	802.11b-EHT81920 MCS0	106	5530	Full	13.90	15.50	14.43	15.50	17.16	18.50	14.50	14.50	17.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50											
	802.11b-EHT163840 MCS0	122	5610	Full	14.21	15.50	14.50	15.50	17.37	18.50	14.50	14.50	17.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50											
	802.11b-EHT327680 MCS0	114	5570	10319	13.16	14.50	13.06	14.50	16.44	17.50	14.50	14.50	17.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50											
	802.11b-EHT655360 MCS0	100	5500	2610	2.45	4.00	2.16	4.00	5.33	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00	7.00	4.00	4.00											
	802.11b-EHT1310720 MCS0	100	5500	5237	5.84	7.00	5.07	7.00																																	

<Bluetooth>

Bluetooth	Mode	Channel	Frequency (MHz)	Default/Full		Duty Cycle %
				Ant 11		
				Average power (dBm)	Tune-Up Limit	
Bluetooth	BR / EDR 1Mbps	0	2402	18.43	20.00	77.07%
		39	2441	18.72	20.00	
		78	2480	18.15	20.00	
	BR / EDR 2Mbps	0	2402	16.33	17.00	77.07%
		39	2441	16.67	17.00	
		78	2480	16.02	17.00	
	BR / EDR 3Mbps	0	2402	16.41	17.00	77.07%
		39	2441	16.72	17.00	
		78	2480	16.06	17.00	
	LE 1Mbps	0	2402	17.40	19.00	61.90%
		19	2440	17.70	19.00	
		39	2480	17.30	19.00	
	LE 2Mbps	1	2404	17.70	19.00	33.33%
		19	2440	18.00	19.00	
		38	2478	17.70	19.00	
	LE 125Kbps	0	2402	10.30	11.00	82.93%
		19	2440	10.10	11.00	
		39	2480	9.80	11.00	
	LE 500Kbps	0	2402	10.20	11.00	57.22%
		19	2440	10.00	11.00	
		39	2480	9.70	11.00	

<Bluetooth>

Bluetooth	Mode	Channel	Frequency (MHz)	Default/Full		Duty Cycle %
				Ant 7		
				Average power (dBm)	Tune-Up Limit	
	BR / EDR 1Mbps	0	2402	18.42	20.00	77.07%
		39	2441	18.12	20.00	
		78	2480	18.87	20.00	
	BR / EDR 2Mbps	0	2402	16.28	17.00	77.07%
		39	2441	15.87	17.00	
		78	2480	16.81	17.00	
	BR / EDR 3Mbps	0	2402	16.33	17.00	77.07%
		39	2441	15.92	17.00	
		78	2480	16.85	17.00	
	LE 1Mbps	0	2402	18.40	19.00	61.90%
		19	2440	17.60	19.00	
		39	2480	17.50	19.00	
	LE 2Mbps	1	2404	18.80	19.00	33.33%
		19	2440	18.00	19.00	
		38	2478	18.50	19.00	
	LE 125Kbps	0	2402	10.40	11.00	82.93%
		19	2440	10.80	11.00	
		39	2480	10.30	11.00	
	LE 500Kbps	0	2402	10.30	11.00	56.91%
		19	2440	10.70	11.00	
		39	2480	10.20	11.00	

<Bluetooth>

	Mode	Channel	Frequency (MHz)	Head		Duty Cycle %
				Ant 11		
				Average power (dBm)	Tune-Up Limit	
Bluetooth	BR / EDR (DH5) 1Mbps	0	2402	14.21	15.50	77.07%
		39	2441	14.56	15.50	
		78	2480	13.93	15.50	
	BR / EDR (2DH5) 2Mbps	0	2402	13.91	15.50	77.07%
		39	2441	14.42	15.50	
		78	2480	13.78	15.50	
	BR / EDR (3DH5) 3Mbps	0	2402	13.83	15.50	77.07%
		39	2441	14.36	15.50	
		78	2480	13.72	15.50	
	LE 1Mbps	0	2402	13.64	15.50	61.90%
		19	2440	14.11	15.50	
		39	2480	13.65	15.50	
	LE 2Mbps	1	2404	14.11	15.50	33.33%
		19	2440	14.37	15.50	
		38	2478	14.10	15.50	
	LE 125Kbps	0	2402	10.14	11.00	82.93%
		19	2440	10.05	11.00	
		39	2480	9.80	11.00	
	LE 500Kbps	0	2402	10.11	11.00	57.22%
		19	2440	10.00	11.00	
		39	2480	9.74	11.00	

<Bluetooth>

	Mode	Channel	Frequency (MHz)	Head		Duty Cycle %
				Ant 7		
				Average power (dBm)	Tune-Up Limit	
Bluetooth	BR / EDR (DH5) 1Mbps	0	2402	14.47	15.50	77.07%
		39	2441	15.02	15.50	
		78	2480	13.55	15.50	
	BR / EDR (2DH5) 2Mbps	0	2402	13.97	15.50	77.07%
		39	2441	14.74	15.50	
		78	2480	13.50	15.50	
	BR / EDR (3DH5) 3Mbps	0	2402	13.97	15.50	77.07%
		39	2441	14.72	15.50	
		78	2480	13.51	15.50	
	LE 1Mbps	0	2402	14.44	15.50	61.90%
		19	2440	15.00	15.50	
		39	2480	13.77	15.50	
	LE 2Mbps	1	2404	14.89	15.50	33.33%
		19	2440	15.01	15.50	
		38	2478	14.56	15.50	
	LE 125Kbps	0	2402	10.51	11.00	82.93%
		19	2440	10.96	11.00	
		39	2480	10.41	11.00	
LE 500Kbps	0	2402	10.48	11.00	56.91%	
	19	2440	10.92	11.00		
	39	2480	10.37	11.00		

Indoor client

Mode	WIFI 6E	Channel	Frequency (MHz)	RU Config	Full Power				Duty Cycle %	
					Ant 15		Ant 15+10			
					Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit		
802.11a 6Mbps	1	5565	Full	-2.09	-1.00	-1.18	-1.00	1.40	2.00	99.06
	45	6175	Full	-1.11	-1.00	-1.88	-1.00	1.53	2.00	
	93	6415	Full	-1.08	-1.00	-1.43	-1.00	1.76	2.00	
	260	Full	-2.24	-1.00	-1.12	-1.00	1.36	2.00		
802.11ax-HE20 MCS0	1	5565	Full	-7.57	-6.00	-7.72	-6.00	-4.28	-3.00	99.63
	45	6175	Full	-4.47	-3.00	-4.03	-3.00	1.24	0.00	
	106S3	Full	-1.52	0.00	-0.94	0.00	1.79	3.00		
	45	6175	Full	-1.22	-1.00	-1.79	-1.00	1.51	2.00	
802.11ax-HE40 MCS0	3	5965	Full	-0.53	1.00	0.59	1.00	3.07	4.00	99.63
	43	6165	Full	0.45	1.00	-0.10	1.00	3.19	4.00	
	91	6405	Full	0.52	1.00	0.72	1.00	3.63	4.00	
	7	5985	Full	5.41	7.00	6.43	7.00	8.96	10.00	
802.11ax-HE80 MCS0	39	6145	Full	5.56	7.00	5.82	7.00	8.70	10.00	99.63
	87	6385	Full	6.32	7.00	6.91	7.00	9.63	10.00	
	15	6025	Full	7.62	9.50	6.14	9.50	10.89	12.50	
	47	6185	Full	7.77	9.50	7.88	9.50	10.83	12.50	
802.11ax-HE160 MCS0	79	6345	Full	7.80	9.50	7.66	9.50	10.74	12.50	99.63
	260	Full	-2.12	-1.00	-1.03	-1.00	1.47	2.00		
	5237	Full	-7.45	-6.00	-6.88	-6.00	-4.15	-3.00		
	106S3	Full	-4.35	-3.00	-3.89	-3.00	-1.11	0.00		
802.11b-e-EHT20 MCS0	1	5565	Full	-1.40	0.00	-0.80	0.00	1.92	3.00	99.63
	52+26 OFDMA	Full	-4.69	-3.00	-3.77	-3.00	-1.20	0.00		
	106+26 OFDMA	Full	-1.42	0.00	-0.58	0.00	2.03	3.00		
	45	6175	Full	-1.10	-1.00	-1.67	-1.00	1.63	2.00	
802.11b-e-EHT80 MCS0	93	6415	Full	-1.14	-1.00	-1.03	-1.00	1.92	2.00	99.63
	3	5965	Full	-0.43	1.00	0.69	1.00	3.17	4.00	
	43	6165	Full	0.55	1.00	0.00	1.00	3.29	4.00	
	91	6405	Full	0.62	1.00	0.82	1.00	3.73	4.00	
802.11b-e-EHT160 MCS0	7	5985	Full	5.47	7.00	6.48	7.00	9.01	10.00	99.82
	Large RU 484+242	Full	-2.13	-1.00	-1.23	-1.00	1.35	2.00		
	Puncturing 20M	Full	-1.80	-1.00	-1.03	-1.00	1.61	2.00		
	39	6145	Full	5.62	7.00	5.87	7.00	8.75	10.00	
802.11b-e-EHT320 MCS0	87	6385	Full	6.38	7.00	6.96	7.00	9.69	10.00	99.82
	15	6025	Full	7.65	9.50	6.18	9.50	10.93	12.50	
	Large RU 996+484	Full	0.01	1.00	0.68	1.00	3.37	4.00		
	Puncturing 40M	Full	0.08	1.00	0.78	1.00	3.45	4.00		
802.11a 6Mbps	63	6265	Full	13.56	15.00	13.61	15.00	16.83	18.00	99.06
	95	6425	Full	13.59	15.00	14.02	15.00	16.80	18.00	
	97	6435	Full	-0.08	0.00	-0.19	0.00	2.88	3.00	
	105	6475	Full	-0.10	0.00	-1.29	0.00	2.36	3.00	
802.11ax-HE20 MCS0	113	6515	Full	-0.38	0.00	-1.22	0.00	2.23	3.00	99.63
	97	6435	Full	-0.51	0.00	-0.39	0.00	2.56	3.00	
	260	Full	-3.33	-3.00	-3.36	-3.00	-0.34	0.00		
	5237	Full	-2.28	-2.00	-2.54	-2.00	0.80	1.00		
802.11ax-HE40 MCS0	106S3	Full	-0.32	0.00	-0.33	0.00	2.68	3.00	99.63	
	105	6475	Full	-0.39	0.00	-0.21	0.00	2.23		3.00
	113	6515	Full	-0.25	0.00	-0.60	0.00	2.58		3.00
	99	6445	Full	0.36	1.00	0.46	1.00	3.42		4.00
802.11ax-HE80 MCS0	107	6485	Full	0.77	1.00	0.71	1.00	3.51	4.00	99.63
	115	6525	Full	0.38	1.00	0.19	1.00	3.29	4.00	
	103	6465	Full	6.10	7.00	6.87	7.00	9.51	10.00	
	119	6545	Full	8.54	10.00	8.07	10.00	11.32	13.00	
802.11ax-HE160 MCS0	111	6505	Full	8.39	9.50	7.75	9.50	11.09	13.00	99.63
	121	6565	Full	-0.39	0.00	-0.27	0.00	2.68	3.00	
	260	Full	-3.21	-3.00	-3.22	-3.00	-0.21	0.00		
	5237	Full	-2.16	-2.00	-2.40	-2.00	0.73	1.00		
802.11b-e-EHT20 MCS0	97	6435	Full	-0.20	0.00	-0.19	0.00	2.81	3.00	99.63
	52+26 OFDMA	Full	-2.18	-2.00	-2.53	-2.00	0.68	1.00		
	106+26 OFDMA	Full	-0.18	0.00	-0.16	0.00	2.84	3.00		
	105	6475	Full	-0.27	0.00	-0.09	0.00	2.35	3.00	
802.11b-e-EHT40 MCS0	113	6515	Full	-0.19	0.00	-0.48	0.00	2.67	3.00	99.63
	99	6445	Full	0.46	1.00	0.56	1.00	3.52	4.00	
	107	6485	Full	0.87	1.00	0.31	1.00	3.81	4.00	
	115	6525	Full	0.48	1.00	0.29	1.00	3.39	4.00	
802.11b-e-EHT80 MCS0	103	6465	Full	6.16	7.00	6.92	7.00	9.56	10.00	99.82
	119	6545	Full	8.60	10.00	8.12	10.00	11.37	13.00	
	121	6565	Full	8.42	9.50	7.92	9.50	11.02	12.50	
	127	6585	Full	13.71	15.00	13.11	15.00	16.43	18.00	
802.11b-e-EHT160 MCS0	117	6535	Full	1.39	1.50	0.70	1.50	4.07	4.50	99.63
	149	6695	Full	1.41	1.50	0.55	1.50	4.01	4.50	
	181	6855	Full	1.15	1.50	0.79	1.50	3.89	4.50	
	185	6875	Full	3.30	5.00	3.68	5.00	6.51	8.00	
802.11ax-HE20 MCS0	117	6535	Full	1.15	1.50	0.78	1.50	3.89	4.50	99.63
	260	Full	-5.27	-5.00	-5.39	-5.00	-2.79	-2.00		
	5237	Full	-2.22	-2.00	-2.44	-2.00	0.22	1.00		
	106S3	Full	1.95	3.25	1.29	3.25	4.64	6.30		
802.11ax-HE40 MCS0	149	6695	Full	1.07	1.50	0.65	1.50	3.87	4.50	99.63
	181	6855	Full	0.75	1.50	0.77	1.50	3.77	4.50	
	185	6875	Full	3.18	5.00	3.62	5.00	6.41	8.00	
	123	6585	Full	2.60	4.50	2.56	4.50	5.59	7.50	
802.11ax-HE80 MCS0	147	6685	Full	2.57	4.50	2.53	4.50	5.83	7.50	99.63
	179	6845	Full	2.53	4.50	2.62	4.50	5.58	7.50	
	187	6885	Full	6.09	10.00	6.92	10.00	11.53	13.00	
	135	6625	Full	8.22	10.00	8.74	10.00	11.49	13.00	
802.11ax-HE160 MCS0	151	6705	Full	6.09	10.00	6.76	10.00	11.44	13.00	99.63
	167	6785	Full	8.42	10.00	8.60	10.00	11.52	13.00	
	183	6865	Full	8.07	10.00	9.38	10.00	11.78	13.00	
	143	6665	Full	10.81	12.50	11.00	12.50	13.82	15.50	
802.11ax-HE320 MCS0	175	6825	Full	10.88	12.50	11.17	12.50	14.03	15.50	99.63
	260	Full	1.27	1.50	0.90	1.50	4.10	4.50		
	5237	Full	-5.15	-5.00	-5.25	-5.00	-2.66	-2.00		
	106S3	Full	2.07	3.25	1.43	3.25	4.77	6.30		
802.11b-e-EHT20 MCS0	117	6535	Full	-2.34	-2.00	-3.62	-2.00	0.08	1.00	99.63
	52+26 OFDMA	Full	-2.34	-2.00	-3.62	-2.00	0.08	1.00		
	106+26 OFDMA	Full	2.06	3.25	1.55	3.25	4.82	6.30		
	149	6695	Full	1.19	1.50	0.77	1.50	3.89	4.50	
802.11b-e-EHT40 MCS0	181	6855	Full	0.87	1.50	0.89	1.50	3.89	4.50	99.63
	185	6875	Full	3.25	5.00	3.69	5.00	6.48	8.00	
	123	6585	Full	2.64	4.50	2.60	4.50	5.63	7.50	
	147	6685	Full	2.61	4.50	2.10	4.50	5.87	7.50	
802.11b-e-EHT80 MCS0	179	6845	Full	2.57	4.50	2.66	4.50	5.62	7.50	99.63
	187	6885	Full	6.13	10.00	6.96	10.00	11.51	13.00	
	135	6625	Full	8.28	10.00	8.79	10.00	11.56	13.00	
	151	6705	Full	6.15	10.00	6.81	10.00	11.50	13.00	
802.11b-e-EHT160 MCS0	167	6785	Full	8.45	10.00	8.65	10.00	11.57	13.00	99.82
	183	6865	Full	8.13	10.00	9.43	10.00	11.94	13.00	
	143	6665	Full	10.84	12.50	11.04	12.50	13.85	15.50	
	175	6825	Full	10.91	12.50	11.21	12.50	14.07	15.50	
802.11ax-HE20 MCS0	199	6745	Full	13.17	15.00	13.27	15.00	16.23	18.00	99.63
	189	6695	Full	3.39	5.00	4.31	5.00	7.15	8.00	
	209	6995	Full	1.13	1.00	3.50	5.00	6.88	8.00	
	229	7095	Full	3.91	5.00	3.85	5.00	6.89	8.00	
802.11ax-HE40 MCS0	189	6695	Full	3.31	5.00	3.71	5.00	6.52	8.00	99.06
	209	6995	Full	3.40	5.00	3.09	5.00	6.25	8.00	
	229	7095	Full	3.13	5.00	3.21	5.00	6.18	8.00	
	260	Full	-3.67	-3.00	-4.29	-3.00	-0.96	0.00		
802.11ax-HE80 MCS0	229	7095	Full	5.89	7.00	6.08	7.00	8.63	10.00	99.63
	52+26 OFDMA	Full	-1.11	2.50	0.59	2.50	3.86	5.00		
	106S4	Full	8.13	10.00	8.82	10.00	11.50	13.00		
	260	Full	8.13	10.00	8.33	10.00	11.33	13.00		
802.11ax-HE160 MCS0	229	7095	Full	5.82	7.00	6.45	7.00	8.16	10.00	99.63
	199	6945	Full	11.39	13.00	11.90	13.00	14.66	16.00	
	215	7025	Full	11.53	13.00	11.62	13.00	14.58	16.00	
	Puncturing 80M	Full	13.60	15.00	13.89	15.00	16.76	18.00		
802.11ax-HE320 MCS0	209	6995	Full	3.38	5.00	3.78	5.00	6.59	8.00	99.63
	229	7095	Full	3.47	5.00	3.16	5.00	6.32	8.00	
	Puncturing 40M	Full	3.20	5.00	3.26	5.00	6.25	8.00		
	260	Full	-3.55	-3.00	-4.15	-3.00	-0.83	0.00		
802.11b-e-EHT20 MCS0	229	7095	Full	-0.79	0.00	-1.32	0.00	1.96	3.00	99.63
	52+26 OFDMA	Full	-1.91	0.00	-1.46	0.00	2.76	3.00		
	106S4	Full	1.23	2.00	0.73	2.00	3.99	5.00		
	106+26 OFDMA	Full	1.19	2.00	0.76	2.00	3.99	5.00		
802.11b-e-EHT40 MCS0	229	7095	Full	1.17	10.00	0.86	10.00	11.54	13.00	99.63
	209	6995	Full	6.35	10.00	6.37	10.00	11.37	13.00	
	227	7095	Full	8.23	10.00	8.60	10.00	11.43	13.00	
	199	6945	Full	11.45	13.00	11.95	13.00	14.71	16.00	
802.11b-e-EHT80 MCS0	215	7025	Full	11.59	13.00	11.67	13.00	14.64	16.00	99.82
	Large RU 484+242	Full	6.03	7.0						

Standard client

WIFI 6E	WIFI 6E					Full Power						Duty Cycle %
	Mode	Mode	Channel	Frequency (MHz)	RU Config.	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	Average power (dbm)	Time-Up Limit	
WIFI 6E	UNII 5 (5.925-6.425GHz)	802.11a 6Mbps	1	5955	Full	-2.09	-1.00	-1.18	-1.00	1.40	2.00	99.06
			45	6175	Full	-1.11	-1.00	-1.86	-1.00	1.53	2.00	
			93	6415	Full	-1.08	-1.00	-1.43	-1.00	1.76	2.00	
		802.11ax-HE20 MCS0	1	5955	Full	-2.24	-1.00	-1.12	-1.00	1.36	2.00	99.03
					26D	-7.57	-6.00	-7.02	-6.00	-4.28	-3.00	
					52/37	-4.47	-3.00	-4.03	-3.00	-1.24	0.00	
					106/53	-1.52	0.00	-0.94	0.00	1.79	3.00	
			45	6175	Full	-1.22	-1.00	-1.79	-1.00	1.51	2.00	
			93	6415	Full	-1.26	-1.00	-1.15	-1.00	1.80	2.00	
		802.11ax-HE40 MCS0	3	5985	Full	-0.53	1.00	0.59	1.00	3.07	4.00	99.03
			43	6185	Full	0.45	1.00	0.10	1.00	3.19	4.00	
			91	6405	Full	0.52	1.00	0.72	1.00	3.63	4.00	
		802.11ax-HE80 MCS0	7	5985	Full	5.41	7.00	6.43	7.00	9.96	10.00	99.03
			39	6145	Full	5.56	7.00	5.82	7.00	8.70	10.00	
			87	6385	Full	6.32	7.00	6.91	7.00	9.83	10.00	
		802.11ax-HE160 MCS0	15	6025	Full	7.62	9.50	8.14	9.50	10.89	12.50	99.03
			47	6185	Full	7.77	9.50	7.88	9.50	10.83	12.50	
			79	6345	Full	7.80	9.50	7.66	9.50	10.74	12.50	
		802.11be-EHT20 MCS0	1	5955	Full	-2.12	-1.00	-1.03	-1.00	1.47	2.00	99.03
					26D	-7.45	-6.00	-6.88	-6.00	-4.15	-3.00	
					52/37	-4.35	-3.00	-3.89	-3.00	-1.11	0.00	
					106/53	-1.40	0.00	-0.80	0.00	1.92	3.00	
					52+26 OFDMA	-4.69	-3.00	-3.77	-3.00	-1.20	0.00	
					106+26 OFDMA	-1.42	0.00	-0.98	0.00	2.03	3.00	
			45	6175	Full	-1.10	-1.00	-1.67	-1.00	1.63	2.00	99.03
			93	6415	Full	-1.14	-1.00	-1.03	-1.00	1.92	2.00	
			3	5985	Full	-0.43	1.00	0.69	1.00	3.17	4.00	
			43	6185	Full	0.55	1.00	0.00	1.00	3.29	4.00	
		802.11be-EHT40 MCS0	91	6405	Full	0.62	1.00	0.82	1.00	3.73	4.00	99.03
					Full	5.47	7.00	6.48	7.00	9.01	10.00	
					Full	-2.13	-1.00	-1.23	-1.00	1.35	2.00	
		802.11be-EHT80 MCS0			Puncturing 20M	-1.80	-1.00	-1.03	-1.00	1.61	2.00	99.02
			39	6145	Full	5.62	7.00	5.87	7.00	8.75	10.00	
			87	6385	Full	6.38	7.00	6.96	7.00	9.69	10.00	
		802.11be-EHT160 MCS0			Full	7.65	9.50	8.18	9.50	10.93	12.50	99.02
					Large RU 996+484	0.01	1.00	0.68	1.00	3.37	4.00	
			15	6025	Puncturing 40M	0.08	1.00	0.78	1.00	3.45	4.00	
		802.11be-EHT320 MCS0			Puncturing 20M	5.46	7.00	6.97	7.00	9.29	10.00	99.03
			47	6185	Full	7.80	9.50	7.92	9.50	10.87	12.50	
			79	6345	Full	7.83	9.50	7.70	9.50	10.77	12.50	
					Full	13.52	15.00	13.96	15.00	16.75	18.00	
					Large RU 996*2+484	6.32	7.00	6.75	7.00	9.56	10.00	
					Large RU 996*3	6.24	7.00	6.53	7.00	9.40	10.00	
					Large RU 996*3+484	6.29	7.00	6.42	7.00	9.37	10.00	
					Puncturing 80M+40M	6.34	7.00	6.73	7.00	9.55	10.00	99.03
					Puncturing 40M	6.07	7.00	6.43	7.00	9.26	10.00	
					Puncturing 40M	6.14	7.00	6.36	7.00	9.28	10.00	
		63	6285	Full	13.64	15.00	13.61	15.00	16.83	18.00		
		UNII 7 (6.525-6.885GHz)	802.11a 6Mbps	117	6535	Full	1.39	1.50	0.70	1.50	4.07	4.50
	149			6695	Full	1.41	1.50	0.55	1.50	4.01	4.50	
	181			6855	Full	1.15	1.50	0.79	1.50	3.99	4.50	
	802.11ax-HE20 MCS0		185	6875	Full	3.30	5.00	3.68	5.00	6.51	8.00	99.03
					Full	1.15	1.50	0.78	1.50	3.98	4.50	
			117	6535	Full	-5.27	-5.00	-6.39	-5.00	-2.79	-3.00	
					52/37	-2.22	-2.00	-3.44	-2.00	0.22	1.00	
					106/53	1.95	3.25	1.29	3.25	4.64	5.50	
			149	6695	Full	1.07	1.50	0.65	1.50	3.87	4.50	
	802.11ax-HE40 MCS0		181	6855	Full	0.75	1.50	0.77	1.50	3.77	4.50	99.03
			185	6875	Full	3.18	5.00	3.62	5.00	6.41	8.00	
			123	6595	Full	2.60	4.50	2.56	4.50	5.59	7.50	
	802.11ax-HE80 MCS0		147	6685	Full	2.57	4.50	3.06	4.50	5.83	7.50	99.03
			179	6845	Full	2.53	4.50	2.62	4.50	5.58	7.50	
			187	6885	Full	8.09	10.00	8.92	10.00	11.53	13.00	
	802.11ax-HE160 MCS0		135	6625	Full	8.22	10.00	8.74	10.00	11.49	13.00	99.03
			151	6705	Full	8.09	10.00	8.76	10.00	11.44	13.00	
			167	6785	Full	8.42	10.00	8.60	10.00	11.52	13.00	
	802.11be-EHT20 MCS0		163	6865	Full	9.07	10.00	9.38	10.00	11.78	13.00	99.03
			143	6665	Full	10.61	12.50	11.00	12.50	13.82	15.50	
			175	6825	Full	10.88	12.50	11.17	12.50	14.03	15.50	
					Full	1.27	1.50	0.90	1.50	4.10	4.50	
					26D	-5.15	-5.00	-6.25	-5.00	-2.86	-2.00	
					52/37	-2.10	-2.00	-3.30	-2.00	0.35	1.00	
	802.11be-EHT40 MCS0				106/53	2.07	3.25	1.43	3.25	4.77	6.50	99.03
					52+26 OFDMA	-2.34	-2.00	-3.62	-2.00	0.06	1.00	
					106+26 OFDMA	2.05	3.25	1.55	3.25	4.82	6.50	
			149	6695	Full	1.19	1.50	0.77	1.50	3.99	4.50	
			181	6855	Full	0.67	1.50	0.89	1.50	3.89	4.50	
			185	6875	Full	3.25	5.00	3.69	5.00	6.48	8.00	
	802.11be-EHT80 MCS0		123	6595	Full	2.84	4.50	2.60	4.50	5.63	7.50	99.03
			147	6685	Full	2.61	4.50	3.10	4.50	5.87	7.50	
			175	6845	Full	2.57	4.50	2.86	4.50	5.62	7.50	
	802.11be-EHT160 MCS0		187	6885	Full	8.13	10.00	8.96	10.00	11.57	13.00	99.02
			135	6625	Full	8.28	10.00	8.79	10.00	11.55	13.00	
			151	6705	Full	8.15	10.00	8.81	10.00	11.50	13.00	
	802.11be-EHT160 MCS0		167	6785	Full	8.48	10.00	8.65	10.00	11.57	13.00	99.02
			183	6865	Full	8.13	10.00	8.43	10.00	11.84	13.00	
			143	6665	Full	10.64	12.50	11.04	12.50	13.85	15.50	

Indoor client

	Mode	Mode	WiFi 6E		HeadBody				Duty Cycle %			
			Channel	Frequency (MHz)	RU Config	Average power (dBm)	Time-Up Limit	Average power (dBm)		Time-Up Limit		
UNII 5 (5.925-6.425GHz)	802.11a 6Mbps	1	5955	Full	-2.09	-1.00	-1.18	-1.00	1.40	2.00	99.06	
		45	6175	Full	-1.11	-1.00	-1.88	-1.00	1.53	2.00		
	802.11ax-HE20 MCS0	93	6415	Full	-1.08	-1.00	-1.43	-1.00	1.76	2.00	99.63	
		1	5965	Full	-2.24	-1.00	-1.12	-1.00	1.36	2.00		
	802.11ax-HE40 MCS0	45	6175	Full	-1.22	-1.00	-1.79	-1.00	1.51	2.00	99.63	
		93	6415	Full	-1.26	-1.00	-1.15	-1.00	1.80	2.00		
	802.11ax-HE80 MCS0	3	5965	Full	-0.53	1.00	0.59	1.00	3.07	4.00	99.63	
		43	6165	Full	0.45	1.00	-0.10	1.00	3.19	4.00		
	802.11ax-HE160 MCS0	91	6405	Full	0.52	1.00	0.72	1.00	3.63	4.00	99.63	
		39	6145	Full	5.56	7.00	5.82	7.00	8.70	10.00		
UNII 6 (6.425-6.525GHz)	802.11a 6Mbps	87	6385	Full	6.32	7.00	6.91	7.00	9.63	10.00	99.63	
		15	6025	Full	7.82	9.50	8.14	9.50	10.89	12.50		
	802.11ax-HE20 MCS0	47	6185	Full	7.77	9.50	7.89	9.50	10.83	12.50	99.63	
		79	6345	Full	7.80	9.50	7.86	9.50	10.74	12.50		
	802.11ax-HE40 MCS0	1	5965	Full	-2.12	-1.00	-1.03	-1.00	1.47	2.00	99.63	
		45	6175	Full	-1.10	-1.00	-1.67	-1.00	1.63	2.00		
	802.11ax-HE80 MCS0	93	6415	Full	-1.14	-1.00	-1.03	-1.00	1.92	2.00	99.63	
		3	5965	Full	-0.43	1.00	0.69	1.00	3.17	4.00		
	802.11ax-HE160 MCS0	43	6165	Full	0.55	1.00	0.00	1.00	3.29	4.00	99.63	
		91	6405	Full	0.62	1.00	0.82	1.00	3.73	4.00		
UNII 6 (6.525-6.625GHz)	802.11a 6Mbps	7	5985	Full	5.47	7.00	6.48	7.00	9.01	10.00	99.63	
		39	6145	Full	5.62	7.00	5.87	7.00	8.75	10.00		
	802.11ax-HE20 MCS0	87	6385	Full	6.38	7.00	6.96	7.00	9.69	10.00	99.63	
		15	6025	Full	7.66	9.50	8.18	9.50	10.83	12.50		
	802.11ax-HE40 MCS0	47	6185	Full	7.80	9.50	7.92	9.50	10.87	12.50	99.63	
		79	6345	Full	7.83	9.50	7.70	9.50	10.77	12.50		
	802.11ax-HE80 MCS0	1	6105	Full	9.09	10.50	9.45	10.50	12.28	13.50	99.63	
		63	6265	Full	9.21	10.50	9.20	10.50	12.21	13.50		
	802.11ax-HE160 MCS0	95	6425	Full	9.03	10.50	9.48	10.50	12.27	13.50	99.63	
		97	6435	Full	-0.08	0.00	-0.19	0.00	2.68	3.00		
UNII 6 (6.625-6.725GHz)	802.11a 6Mbps	106	6475	Full	-0.10	0.00	-1.29	0.00	2.36	3.00	99.06	
		113	6515	Full	-0.38	0.00	-1.22	0.00	2.23	3.00		
	802.11ax-HE20 MCS0	97	6435	Full	-0.51	0.00	-0.39	0.00	2.56	3.00	99.63	
		105	6475	Full	-0.39	0.00	-1.21	0.00	2.23	3.00		
	802.11ax-HE40 MCS0	113	6515	Full	-0.25	0.00	-0.60	0.00	2.58	3.00	99.63	
		99	6445	Full	0.36	1.00	0.46	1.00	3.42	4.00		
	802.11ax-HE80 MCS0	107	6485	Full	0.77	1.00	0.21	1.00	3.51	4.00	99.63	
		115	6525	Full	0.38	1.00	0.19	1.00	3.29	4.00		
	802.11ax-HE160 MCS0	103	6465	Full	6.10	7.00	6.87	7.00	9.51	10.00	99.63	
		119	6545	Full	8.54	10.00	8.97	10.00	11.32	13.00		
UNII 6 (6.725-6.825GHz)	802.11a 6Mbps	111	6505	Full	8.39	9.50	7.75	9.50	11.08	12.50	99.63	
		97	6435	Full	-0.38	0.00	-0.27	0.00	2.68	3.00		
	802.11ax-HE20 MCS0	106	6475	Full	-0.29	0.00	-1.09	0.00	2.36	3.00	99.63	
		113	6515	Full	-0.19	0.00	-0.48	0.00	2.67	3.00		
	802.11ax-HE40 MCS0	99	6445	Full	0.46	1.00	0.56	1.00	3.52	4.00	99.63	
		107	6485	Full	0.87	1.00	0.31	1.00	3.61	4.00		
	802.11ax-HE80 MCS0	115	6525	Full	0.48	1.00	0.29	1.00	3.39	4.00	99.63	
		103	6465	Full	6.16	7.00	6.92	7.00	9.56	10.00		
	UNII 6 (6.825-6.925GHz)	802.11a 6Mbps	119	6545	Full	8.60	10.00	9.12	10.00	11.37	13.00	99.63
			111	6505	Full	8.42	9.50	7.79	9.50	11.12	12.50	
802.11ax-HE20 MCS0		127	6585	Full	9.69	11.00	9.18	11.00	12.45	14.00	99.63	
		117	6535	Full	-0.39	1.50	0.70	1.50	4.07	4.50		
802.11ax-HE40 MCS0		149	6695	Full	1.41	1.50	0.55	1.50	4.01	4.50	99.06	
		181	6855	Full	1.15	1.50	0.79	1.50	3.99	4.50		
802.11ax-HE80 MCS0		189	6875	Full	3.30	3.00	3.68	3.00	6.51	8.00	99.63	
		117	6535	Full	1.15	1.50	0.79	1.50	3.99	4.50		
802.11ax-HE160 MCS0		149	6695	Full	1.07	1.50	0.65	1.50	3.87	4.50	99.63	
		181	6855	Full	0.75	1.50	0.77	1.50	3.77	4.50		
UNII 7 (6.925-7.025GHz)	802.11a 6Mbps	189	6875	Full	3.18	3.00	3.62	3.00	6.41	8.00	99.63	
		123	6565	Full	2.60	4.50	2.56	4.50	5.59	7.50		
	802.11ax-HE20 MCS0	147	6685	Full	2.57	4.50	3.06	4.50	5.83	7.50	99.63	
		179	6845	Full	2.53	4.50	2.62	4.50	5.58	7.50		
	802.11ax-HE40 MCS0	187	6865	Full	8.09	10.00	8.92	10.00	11.53	13.00	99.63	
		135	6625	Full	7.75	9.50	8.26	9.50	11.02	12.50		
	802.11ax-HE80 MCS0	151	6705	Full	8.09	10.00	8.76	10.00	11.44	13.00	99.63	
		167	6785	Full	8.42	10.00	8.60	10.00	11.52	13.00		
	802.11ax-HE160 MCS0	183	6865	Full	8.07	10.00	9.38	10.00	11.78	13.00	99.63	
		143	6665	Full	8.17	10.00	8.55	10.00	11.37	13.00		
UNII 7 (7.025-7.125GHz)	802.11a 6Mbps	175	6825	Full	8.43	10.00	8.73	10.00	11.59	13.00	99.63	
		117	6535	Full	1.27	1.50	0.90	1.50	4.10	4.50		
	802.11ax-HE20 MCS0	149	6695	Full	1.19	1.50	0.77	1.50	3.99	4.50	99.63	
		181	6855	Full	0.87	1.50	0.89	1.50	3.89	4.50		
	802.11ax-HE40 MCS0	189	6875	Full	3.25	3.00	3.69	3.00	6.48	8.00	99.63	
		123	6565	Full	2.64	4.50	2.60	4.50	5.83	7.50		
	802.11ax-HE80 MCS0	147	6685	Full	2.61	4.50	3.10	4.50	5.87	7.50	99.63	
		179	6845	Full	2.57	4.50	2.66	4.50	5.62	7.50		
	802.11ax-HE160 MCS0	187	6865	Full	8.13	10.00	8.96	10.00	11.57	13.00	99.63	
		135	6625	Full	7.80	9.50	8.31	9.50	11.07	12.50		
UNII 8 (8.885-7.125GHz)	802.11a 6Mbps	151	6705	Full	8.15	10.00	8.81	10.00	11.50	13.00	99.63	
		167	6785	Full	8.48	10.00	8.65	10.00	11.57	13.00		
	802.11ax-HE20 MCS0	183	6865	Full	8.13	10.00	9.43	10.00	11.84	13.00	99.63	
		143	6665	Full	8.15	10.00	8.59	10.00	11.40	13.00		
	802.11ax-HE40 MCS0	175	6825	Full	8.46	10.00	8.76	10.00	11.62	13.00	99.63	
		159	6745	Full	9.15	11.00	9.25	11.00	12.21	14.00		
	802.11ax-HE80 MCS0	189	6895	Full	3.95	5.00	4.31	5.00	7.15	8.00	99.06	
		209	6995	Full	4.13	5.00	3.59	5.00	6.88	8.00		
	802.11ax-HE160 MCS0	229	7095	Full	3.91	5.00	3.85	5.00	6.89	8.00	99.63	
		189	6895	Full	3.31	5.00	3.71	5.00	6.52	8.00		
802.11ax-HE20 MCS0	209	6995	Full	3.40	5.00	3.09	5.00	6.25	8.00	99.63		
	229	7095	Full	3.13	5.00	3.21	5.00	6.18	8.00			
UNII 8 (8.885-7.125GHz)	802.11a 6Mbps	185	6925	Full	8.13	10.00	8.62	10.00	11.50	13.00	99.63	
		203	6965	Full	8.31	10.00	8.33	10.00	11.33	13.00		
	802.11ax-HE20 MCS0	227	7085	Full	8.19	10.00	8.56	10.00	11.39	13.00	99.63	
		199	6945	Full	9.38	11.00	9.88	11.00	12.65	14.00		
	802.11ax-HE40 MCS0	215	7025	Full	9.51	11.00	9.81	11.00	12.57	14.00	99.63	
		227	7085	Full	8.23	10.00	8.60	10.00	11.43	13.00		
	802.11ax-HE80 MCS0	199	6945	Full	9.41	11.00	9.91	11.00	12.67	14.00	99.82	
		215	7025	Full	9.55	11.00	9.83	11.00	12.60	14.00		
	802.11ax-HE160 MCS0	207	6965	Full	8.16	11.00	8.46	11.00	12.32	14.00	99.63	
		191	6905	Full	9.75	11.00	10.57	11.00	13.19	14.00		

Standard client

	Mode	Mode	WIFI 6E		Head/Body						Duty Cycle %	
			Channel	Frequency (MHz)	RU Config	Ant 15		Ant 10		Ant 15+10		
						Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)		Tune-Up Limit
UNII 5 (5.925-6.425GHz)	802.11a 6Mbps	1	5965	Full	-2.09	-1.00	-1.18	-1.00	1.40	2.00	99.06	
		45	6175	Full	-1.11	-1.00	-1.66	-1.00	1.53	1.00		
		93	6415	Full	-1.08	-1.00	-1.43	-1.00	1.76	2.00		
		802.11ax-HE20 MCS0	1	5965	Full	-2.24	-1.00	-1.12	-1.00	1.36	2.00	99.63
			45	6175	Full	-1.22	-1.00	-1.79	-1.00	1.51	1.00	
			93	6415	Full	-1.26	-1.00	-1.15	-1.00	1.80	2.00	
	802.11ax-HE40 MCS0	3	5965	Full	-0.53	1.00	0.59	1.00	3.07	4.00	99.63	
		43	6165	Full	0.45	1.00	-0.10	1.00	3.19	4.00		
		91	6405	Full	0.52	1.00	0.72	1.00	3.63	4.00		
	802.11ax-HE80 MCS0	7	5985	Full	5.41	7.00	6.43	7.00	6.96	10.00	99.63	
		39	6145	Full	5.56	7.00	5.82	7.00	8.70	10.00		
		87	6385	Full	6.32	7.00	6.91	7.00	9.63	10.00		
	802.11ax-HE160 MCS0	15	6025	Full	7.82	9.50	8.14	9.50	10.89	12.50	99.63	
		47	6185	Full	7.77	9.50	7.86	9.50	10.83	12.50		
		79	6345	Full	7.80	9.50	7.86	9.50	10.74	12.50		
	802.11be-EHT20 MCS0	1	5965	Full	-2.12	-1.00	-1.03	-1.00	1.47	2.00	99.63	
		45	6175	Full	-1.10	-1.00	-1.67	-1.00	1.63	2.00		
		93	6415	Full	-1.14	-1.00	-1.03	-1.00	1.92	2.00		
	802.11be-EHT40 MCS0	3	5985	Full	-0.43	1.00	0.69	1.00	3.17	4.00	99.63	
		43	6165	Full	0.55	1.00	0.00	1.00	3.29	4.00		
		91	6405	Full	0.62	1.00	0.82	1.00	3.73	4.00		
	802.11be-EHT80 MCS0	7	5985	Full	5.47	7.00	6.48	7.00	9.01	10.00	99.82	
		39	6145	Full	5.62	7.00	5.87	7.00	8.75	10.00		
		87	6385	Full	6.38	7.00	6.96	7.00	9.69	10.00		
	802.11be-EHT160 MCS0	15	6025	Full	7.65	9.50	8.18	9.50	10.93	12.50	99.82	
		47	6185	Full	7.80	9.50	7.92	9.50	10.87	12.50		
		79	6345	Full	7.83	9.50	7.70	9.50	10.77	12.50		
	802.11be-EHT320 MCS0	31	6105	Full	9.09	10.50	9.45	10.50	12.28	13.50	99.63	
		63	6265	Full	9.21	10.50	9.20	10.50	12.21	13.50		
UNII 7 (6.525-6.885GHz)	802.11a 6Mbps	117	6535	Full	1.39	1.50	0.70	1.50	4.07	4.50	99.06	
		149	6695	Full	1.41	1.50	0.55	1.50	4.01	4.50		
		181	6855	Full	1.15	1.50	0.79	1.50	3.99	4.50		
		802.11ax-HE20 MCS0	185	6875	Full	3.30	5.00	3.69	5.00	6.51	8.00	99.63
			117	6535	Full	1.15	1.50	0.78	1.50	3.98	4.50	
			149	6695	Full	1.07	1.50	0.65	1.50	3.87	4.50	
	802.11ax-HE40 MCS0	181	6855	Full	0.75	1.50	0.77	1.50	3.77	4.50	99.63	
		185	6875	Full	3.18	5.00	3.62	5.00	6.41	8.00		
		123	6565	Full	2.60	4.50	2.56	4.50	5.59	7.50		
	802.11ax-HE80 MCS0	147	6685	Full	2.57	4.50	3.06	4.50	5.83	7.50	99.63	
		179	6845	Full	2.53	4.50	2.62	4.50	5.58	7.50		
		187	6885	Full	8.09	10.00	8.92	10.00	11.53	13.00		
	802.11ax-HE160 MCS0	135	6625	Full	7.75	9.50	8.26	9.50	11.02	12.50	99.63	
		151	6705	Full	8.09	10.00	8.76	10.00	11.44	13.00		
		167	6785	Full	8.42	10.00	8.60	10.00	11.52	13.00		
	802.11ax-HE320 MCS0	183	6865	Full	8.07	10.00	9.38	10.00	11.78	13.00	99.63	
		143	6665	Full	8.17	10.00	8.55	10.00	11.37	13.00		
		175	6825	Full	8.43	10.00	8.73	10.00	11.59	13.00		
	802.11be-EHT20 MCS0	117	6535	Full	1.27	1.50	0.90	1.50	4.10	4.50	99.63	
		149	6695	Full	1.19	1.50	0.77	1.50	3.99	4.50		
		181	6855	Full	0.87	1.50	0.89	1.50	3.89	4.50		
	802.11be-EHT40 MCS0	185	6875	Full	3.25	5.00	3.69	5.00	6.48	8.00	99.63	
		123	6565	Full	2.64	4.50	2.60	4.50	5.63	7.50		
		147	6685	Full	2.61	4.50	3.10	4.50	5.87	7.50		
	802.11be-EHT80 MCS0	179	6845	Full	2.57	4.50	2.66	4.50	5.62	7.50	99.63	
		187	6885	Full	8.13	10.00	8.96	10.00	11.57	13.00		
		135	6625	Full	7.80	9.50	8.31	9.50	11.07	12.50		
	802.11be-EHT160 MCS0	151	6705	Full	8.15	10.00	8.81	10.00	11.50	13.00	99.82	
		167	6785	Full	8.48	10.00	8.65	10.00	11.57	13.00		
		183	6865	Full	8.13	10.00	9.43	10.00	11.84	13.00		
802.11be-EHT320 MCS0	143	6665	Full	8.19	10.00	8.59	10.00	11.40	13.00	99.82		
	175	6825	Full	8.46	10.00	8.76	10.00	11.62	13.00			