

Full&Default Power Mode

GSM900_Ant 0		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		126	169	251	Limit	
Frequency (MHz)		824.2	836.4	848.8			824.2	836.4	848.8		
GSM 1 Tx slot	31.64	31.76	31.65	33.50			22.64	22.78	22.65	24.50	
GPRS 1 Tx slot	31.65	31.75	31.71	33.50			22.65	22.75	22.71	24.50	
GPRS 2 Tx slots	30.96	30.96	30.82	32.50			24.66	24.99	24.82	26.50	
GPRS 3 Tx slots	29.98	29.17	29.06	30.50			24.72	24.91	24.80	26.24	
GPRS 4 Tx slots	28.00	28.10	27.92	29.50			25.00	25.10	24.92	26.50	
EDGE 1 Tx slot	26.52	26.53	26.41	27.50			17.52	17.53	17.41	18.50	
EDGE 2 Tx slots	25.27	25.40	25.22	26.00			19.27	19.40	19.22	20.00	
EDGE 3 Tx slots	22.77	22.86	22.82	24.00			18.51	18.62	18.56	19.74	
EDGE 4 Tx slots	21.25	21.31	21.13	22.50			18.25	18.31	18.13	19.50	

GSM1900_Ant 2		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1850.2	1860	1869.8			1850.2	1860	1869.8		
GSM 1 Tx slot	29.11	29.28	29.24	30.50			20.11	20.28	20.24	21.50	
GPRS 1 Tx slot	29.03	29.21	29.16	30.50			20.03	20.21	20.16	21.50	
GPRS 2 Tx slots	28.36	28.43	28.27	29.50			22.36	22.43	22.27	23.50	
GPRS 3 Tx slots	26.57	26.63	26.49	27.50			22.31	22.37	22.29	23.24	
GPRS 4 Tx slots	25.52	25.55	25.48	26.50			22.52	22.55	22.48	23.50	
EDGE 1 Tx slot	25.95	25.99	25.88	26.50			16.95	16.99	16.88	17.50	
EDGE 2 Tx slots	24.88	24.92	24.81	25.50			18.88	18.92	18.81	19.50	
EDGE 3 Tx slots	22.66	22.82	22.69	23.50			18.40	18.56	18.43	19.24	
EDGE 4 Tx slots	21.41	21.55	21.50	22.50			18.41	18.55	18.50	19.50	

Band		WCDMA II_Ant 2			Tune-up		WCDMA IV_Ant 2			Tune-up		WCDMA V_Ant 0			Tune-up	
TX Channel		6262	6400	6538	Limit		1312	1413	1513	Limit		4192	4162	4233	Limit	
Frequency (MHz)		1862.4	1860	1907.6			1712.4	1732.6	1752.6			826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2kbps	22.65	22.70	22.62	24.00		22.76	22.80	22.72	24.00		22.45	22.50	22.42	24.00	
3GPP Rel 99	RMC 12.2kbps	22.70	22.73	22.67	24.00		22.80	22.83	22.78	24.00		22.47	22.53	22.45	24.00	
3GPP Rel 6	HSDPA Subtest-1	21.71	21.66	21.78	23.00		21.92	21.84	21.82	23.00		21.58	21.53	21.50	23.00	
3GPP Rel 6	HSDPA Subtest-2	21.67	21.63	21.75	23.00		21.84	21.86	21.80	23.00		21.55	21.53	21.48	23.00	
3GPP Rel 6	HSDPA Subtest-3	21.15	21.13	21.35	22.50		21.35	21.36	21.34	22.50		21.07	21.09	21.02	22.50	
3GPP Rel 6	HSDPA Subtest-4	21.17	21.08	21.25	22.50		21.34	21.37	21.30	22.50		21.02	20.99	21.03	22.50	
3GPP Rel 6	DCHSDPA Subtest-1	21.56	21.59	21.69	23.00		21.82	21.84	21.68	23.00		21.46	21.48	21.48	23.00	
3GPP Rel 6	DCHSDPA Subtest-2	21.53	21.57	21.68	23.00		21.66	21.68	21.76	23.00		21.54	21.34	21.47	23.00	
3GPP Rel 6	DCHSDPA Subtest-3	21.10	21.01	21.34	22.50		21.34	21.28	21.24	22.50		20.87	20.98	20.99	22.50	
3GPP Rel 6	DCHSDPA Subtest-4	21.16	20.94	21.08	22.50		21.32	21.22	21.17	22.50		20.82	20.98	21.00	22.50	
3GPP Rel 6	HSUPA Subtest-1	19.69	19.69	19.69	21.00		19.65	19.67	19.64	21.00		19.35	19.54	19.42	21.00	
3GPP Rel 6	HSUPA Subtest-2	19.68	19.65	19.68	20.50		19.68	19.62	19.66	20.50		19.39	19.39	19.42	20.50	
3GPP Rel 6	HSUPA Subtest-3	20.72	20.71	20.71	21.50		20.50	20.50	20.87	21.50		20.57	20.50	20.42	21.50	
3GPP Rel 6	HSUPA Subtest-4	19.19	19.15	19.21	20.50		19.44	19.38	19.33	20.50		19.03	19.04	19.08	20.50	
3GPP Rel 6	HSUPA Subtest-5	20.70	20.70	20.80	22.50		20.50	20.50	20.80	22.50		20.61	20.53	20.68	22.50	

Band 2_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Ch. # (F1)	Ch. # (F2)	Ch. # (F3)	Time-slot (slot)	MPR (dB)
Channel				18700	18800	19100			
Frequency (MHz)									
20	QPSK	1	0	25.00	22.00	22.00	22.00	24	0
20	QPSK	1	46	22.40	22.40	22.48			
20	QPSK	1	92	22.80	22.80	22.88			
20	QPSK	50	0	21.40	21.40	21.40		23	1
20	QPSK	50	24	21.32	21.32	21.40			
20	QPSK	50	48	21.24	21.24	21.40			
20	QPSK	100	0	21.38	21.38	21.38			
20	QPSK	100	24	21.30	21.30	21.38			
20	HQDM	1	46	21.50	21.50	21.50		23	1
20	HQDM	1	92	21.55	21.55	21.58			
20	HQDM	50	0	20.40	20.40	20.42		22	2
20	HQDM	50	24	20.34	20.34	20.42			
20	HQDM	100	0	20.30	20.30	20.32			
20	HQDM	100	24	20.24	20.24	20.32			
20	HQDM	1	46	20.48	20.48	20.38			
20	HQDM	1	92	20.53	20.53	20.38		22	2
20	HQDM	1	138	20.58	20.58	20.38			
20	HQDM	50	0	18.36	18.27	18.36		21	3
20	HQDM	50	24	18.30	18.27	18.36			
20	HQDM	50	48	18.24	18.27	18.36			
20	HQDM	100	0	18.33	18.34	18.36			
20	HQDM	100	24	18.27	18.34	18.36			
20	HQDM	1	46	17.23	17.28	17.25			
20	HQDM	1	92	17.17	17.10	17.00		19	5
20	HQDM	1	138	17.12	17.10	17.00			
20	HQDM	50	0	17.08	17.09	17.08			
20	HQDM	50	24	17.02	17.09	17.08			
20	HQDM	100	0	17.07	17.26	17.18			
Channel				18800	18900	19100			
Frequency (MHz)									
15	QPSK	1	0	22.04	22.00	22.00	22.36	24	0
15	QPSK	1	46	22.44	22.40	22.48			
15	QPSK	1	92	22.84	22.80	22.88			
15	QPSK	36	0	21.20	21.36	21.36		23	1
15	QPSK	36	18	21.12	21.36	21.36			
15	QPSK	36	36	21.04	21.36	21.36			
15	HQDM	1	46	21.43	21.27	21.25		23	1
15	HQDM	1	92	21.43	21.32	21.25			
15	HQDM	36	0	20.32	20.28	20.31		22	2
15	HQDM	36	18	20.26	20.28	20.31			
15	HQDM	36	36	20.20	20.28	20.31			
15	HQDM	72	0	20.32	20.28	20.28			
15	HQDM	72	18	20.26	20.28	20.28		22	2
15	HQDM	1	37	20.38	20.38	20.35			
15	HQDM	1	74	20.34	20.31	20.25			
15	HQDM	1	111	20.30	20.31	20.25			
15	HQDM	36	0	19.33	19.34	19.24		21	3
15	HQDM	36	18	19.27	19.34	19.24			
15	HQDM	72	0	19.16	19.18	19.25			
15	HQDM	72	18	19.10	19.18	19.25			
15	HQDM	1	0	17.18	17.25	17.22		19	5
15	HQDM	1	37	17.13	17.25	17.16			
15	HQDM	1	74	17.08	17.25	17.16			
15	HQDM	36	0	17.03	17.21	17.16			
15	HQDM	36	18	17.02	17.21	17.16			
15	HQDM	36	36	17.02	17.21	17.16			
15	HQDM	72	0	17.06	17.18	17.17			
Channel				18900	19000	19100			
Frequency (MHz)									
5	QPSK	1	0	22.04	22.00	22.00	22.36	24	0
5	QPSK	1	46	22.44	22.40	22.48			
5	QPSK	1	92	22.84	22.80	22.88			
5	QPSK	12	0	21.24	21.40	21.25		23	1
5	QPSK	12	6	21.08	21.39	21.25			
5	QPSK	12	12	20.92	21.39	21.25			
5	HQDM	1	46	21.53	21.40	21.25		23	1
5	HQDM	1	92	21.53	21.48	21.25			
5	HQDM	12	0	20.35	20.18	20.28		22	2
5	HQDM	12	6	20.19	20.18	20.28			
5	HQDM	12	12	20.03	20.18	20.28			
5	HQDM	24	0	20.37	20.12	20.20			
5	HQDM	24	6	20.16	20.12	20.20			
5	HQDM	24	12	20.00	20.12	20.20			
5	HQDM	1	46	20.35	20.30	20.23		22	2
5	HQDM	1	92	20.43	20.38	20.23			
5	HQDM	12	0	20.33	20.28	20.23			
5	HQDM	12	6	20.17	20.28	20.23			
5	HQDM	12	12	20.01	20.28	20.23			
5	HQDM	24	0	19.34	19.20	19.20		21	3
5	HQDM	24	6	19.18	19.20	19.20			
5	HQDM	24	12	19.02	19.20	19.20			
5	HQDM	1	12	18.35	18.23	18.20			
5	HQDM	1	24	18.19	18.23	18.20			
5	HQDM	12	0	17.15	17.23	17.18		19	5
5	HQDM	12	6	17.09	17.23	17.18			
5	HQDM	12	12	17.03	17.23	17.18			
5	HQDM	24	0	17.12	17.24	17.06			
5	HQDM	24	6	17.06	17.24	17.06			
5	HQDM	24	12	17.00	17.24	17.06			
5	HQDM	1	0	17.21	17.17	17.23		19	5
5	HQDM	1	12	17.15	17.17	17.23			
5	HQDM	1	24	17.09	17.17	17.23			
5	HQDM	12	0	17.12	17.20	17.15			
5	HQDM	12	6	17.06	17.20	17.15			
5	HQDM	12	12	17.00	17.20	17.15			
5	HQDM	24	0	16.16	17.22	17.21			
5	HQDM	24	6	16.00	17.22	17.21			
Channel				19000	19100	19100			
Frequency (MHz)									
3	QPSK	1	0	22.04	22.00	22.00	22.36	24	0
3	QPSK	1	46	22.44	22.40	22.48			
3	QPSK	1	92	22.84	22.80	22.88			
3	QPSK	8	0	21.23	21.36	21.35		23	1
3	QPSK	8	4	21.07	21.36	21.35			
3	QPSK	8	8	20.91	21.36	21.35			
3	HQDM	1	46	21.52	21.42	21.21		23	1
3	HQDM	1	92	21.52	21.48	21.21			
3	HQDM	8	0	20.29	20.19	20.10			
3	HQDM	8	4	20.20	20.18	20.28		22	2
3	HQDM	8	8	20.11	20.18	20.28			
3	HQDM	16	0	20.15	20.22	20.26			
3	HQDM	16	8	20.03	20.29	20.21		22	2
3	HQDM	16	16	19.95	20.29	20.21			
3	HQDM	1	14	19.45	19.30	19.20			
3	HQDM	1	28	19.21	19.30	19.20			
3	HQDM	8	4	19.19	19.34	19.20		21	3
3	HQDM	8	8	19.13	19.34	19.20			
3	HQDM	1	7	18.26	18.33	18.28			
3	HQDM	1	14	18.17	18.33	18.28			
3	HQDM	1	21	18.08	18.33	18.28			
3	HQDM	1	28	17.99	18.33	18.28			
3	HQDM	1	35	17.90	18.33	18.28			
3	HQDM	1	42	17.81	18.33	18.28			
3	HQDM	1	49	17.72	18.33	18.28			
3	HQDM	1	56	17.63	18.33	18.28			
3	HQDM	1	63	17.54	18.33	18.28			
3	HQDM	1	70	17.45	18.33	18.28			
3	HQDM	1	77	17.36	18.33	18.28			
3	HQDM	1	84	17.27	18.33	18.28			
3	HQDM	1	91	17.18	18.33	18.28			
3	HQDM	1	98	17.09	18.33	18.28			
3	HQDM	1	105	17.00	18.33	18.28			
3	HQDM	1	112	16.91	18.33	18.28			
3	HQDM	1	119	16.82	18.33	18.28			
3	HQDM	1	126	16.73	18.33	18.28			
3	HQDM	1	133	16.64	18.33	18.28			
3	HQDM	1	140	16.55	18.33	18.28			
3	HQDM	1	147	16.46	18.33	18.28			
3	HQDM	1	154	16.37	18.33	18.28			
3	HQDM	1	161	16.28	18.33	18.28			
3	HQDM	1	168	16.19	18.33	18.28			
3	HQDM	1	175	16.10	18.33	18.28			
3	HQDM	1	182	16.01	18.33	18.28			
3	HQDM	1	189	15.92	18.33	18.28			
3	HQDM	1	196	15.83	18.33	18.28			
3	HQDM	1	203	15.74	18.33	18.28			
3	HQDM	1	210	15.65	18.33	18.28			
3	HQDM	1	217	15.56	18.33	18.28			
3	HQDM	1	224	15.47	18.33	18.28			
3	HQDM	1	231	15.38	18.33	18.28			
3	HQDM	1	238	15.29	18.33	18.28			
3	HQDM	1	245	15.20	18.33	18.28			
3	HQDM	1	252	15.11	18.33	18.28			
3	HQDM	1	259	15.02	18.33	18.28			
3	HQDM	1	266	14.93	18.33	18.28			
3	HQDM	1	273	14.84	18.33	18.28			
3	HQDM	1	280	14.75	18.33	18.28			
3	HQDM	1	287	14.66	18.33	18.28			
3	HQDM	1	294	14.57	18.33	18.28			
3	HQDM	1	301	14.48	18.33	18.28			
3	HQDM	1	308	14.39	18.33	18.28			
3	HQDM	1	315	14.30	18.33	18.28			
3	HQDM	1	322	14.21	18.33	18.28			
3	HQDM	1	329	14.12	18.33	18.28			
3	HQDM	1	336	14.03	18.33	18.28			
3	HQDM	1	343	13.94	18.33	18.28			
3	HQDM	1	350	13.85	18.33	18.28			
3	HQDM	1	357	13.76	18.33	18.28			
3	HQDM								

Band 2_Ant 9											
BW (MHz)	Modulation	RB Size	PRB Offset	Power / Pmax (dBm)	Power / Pmax (dBm)	Power / Pmax (dBm)	Power / Pmax (dBm)	Time-slot (ms)	MPR (dB)		
Channel				18700	18800	18900	19000				
Frequency (MHz)											
20	QPSK	16	0	22.77	22.88	22.88	22.77	24	0		
20	QPSK	16	49	22.69	22.68	22.68	22.75				
20	QPSK	16	98	22.61	22.62	22.62	22.69				
20	QPSK	50	0	21.65	21.76	21.76	21.65	23	1		
20	QPSK	50	24	21.51	21.63	21.63	21.50				
20	QPSK	50	49	21.43	21.55	21.55	21.43				
20	QPSK	100	0	21.62	21.73	21.73	21.60	23	5		
20	QPSK	100	24	21.54	21.65	21.65	21.51				
20	QPSK	100	49	21.46	21.57	21.57	21.43				
20	HQPSK	16	0	21.80	21.90	21.90	21.56	23	1		
20	HQPSK	16	49	21.75	21.85	21.85	21.70				
20	HQPSK	16	98	21.70	21.80	21.80	21.56				
20	HQPSK	50	24	20.53	20.57	20.58		22	2		
20	HQPSK	50	49	20.50	20.55	20.55					
20	HQPSK	100	0	21.37	21.47	21.47	21.33	22	2		
20	HQPSK	100	24	21.32	21.42	21.42	21.33				
20	HQPSK	100	49	21.25	21.35	21.35	21.32				
20	HQPSK	50	0	20.62	20.68	20.68		21	3		
20	HQPSK	50	49	20.57	20.67	20.67					
20	HQPSK	100	0	20.62	20.68	20.68	20.56	22	2		
20	HQPSK	100	24	20.57	20.67	20.67	20.56				
20	HQPSK	100	49	20.50	20.55	20.55	20.56				
20	HQPSK	50	0	18.65	18.62	18.63		21	3		
20	HQPSK	50	49	18.60	18.62	18.62					
20	HQPSK	100	0	17.25	17.35	17.35	17.20	19	5		
20	HQPSK	100	24	17.22	17.27	17.28	17.20				
20	HQPSK	100	49	17.17	17.28	17.28	17.17	19	5		
20	HQPSK	50	0	17.20	17.38	17.27					
20	HQPSK	50	49	17.22	17.27	17.28					
20	HQPSK	100	0	17.20	17.38	17.27					
20	HQPSK	100	24	17.22	17.27	17.28					
20	HQPSK	100	49	17.17	17.28	17.28					
20	HQPSK	100	0	17.34	17.30	17.38					
Channel				18900	18800	18900	18800	Time-slot (ms)	MPR (dB)		
Frequency (MHz)											
15	QPSK	16	0	22.75	22.81	22.77		24	0		
15	QPSK	16	49	22.68	22.78	22.77					
15	QPSK	16	98	22.62	22.63	22.63					
15	QPSK	50	24	21.54	21.64	21.61		23	1		
15	QPSK	50	49	21.47	21.53	21.53					
15	QPSK	36	19	21.49	21.50	21.50					
15	QPSK	36	48	21.42	21.43	21.43					
15	HQPSK	16	0	21.73	21.77	21.50		23	1		
15	HQPSK	16	47	21.62	21.84	21.50					
15	HQPSK	16	97	21.58	21.78	21.50					
15	HQPSK	36	0	20.58	20.58	20.58		22	2		
15	HQPSK	36	20	20.38	20.39	20.67					
15	HQPSK	36	48	20.35	20.35	20.67					
15	HQPSK	50	0	19.55	19.55	19.55		21	3		
15	HQPSK	50	24	19.35	19.37	19.65					
15	HQPSK	50	49	19.35	19.37	19.65					
15	HQPSK	100	0	18.54	18.54	18.54		19	5		
15	HQPSK	100	24	18.34	18.34	18.34					
15	HQPSK	100	49	18.14	18.14	18.14					
15	HQPSK	50	0	17.23	17.30	17.39		19	5		
15	HQPSK	50	24	17.03	17.10	17.39					
15	HQPSK	50	49	17.03	17.10	17.39					
15	HQPSK	100	0	17.28	17.34	17.37					
15	HQPSK	100	24	17.23	17.33	17.35					
15	HQPSK	100	49	17.18	17.28	17.35					
15	HQPSK	50	0	17.20	17.35	17.38					
15	HQPSK	50	24	17.15	17.25	17.38					
15	HQPSK	50	49	17.15	17.25	17.38					
Channel				18900	18800	18900	18800	Time-slot (ms)	MPR (dB)		
Frequency (MHz)											
3	QPSK	16	0	22.69	22.88	22.89		24	0		
3	QPSK	16	49	22.62	22.82	22.87					
3	QPSK	16	98	22.58	22.65	22.63					
3	QPSK	50	0	21.68	21.97	21.77		23	1		
3	QPSK	12	0	21.31	21.49	21.51					
3	QPSK	12	49	21.24	21.42	21.45					
3	QPSK	26	0	21.47	21.68	21.62		23	1		
3	HQPSK	16	0	21.58	21.89	21.86		23	1		
3	HQPSK	16	49	21.50	21.71	21.71					
3	HQPSK	12	0	20.88	20.88	20.88		22	2		
3	HQPSK	12	13	20.40	20.42	20.54					
3	HQPSK	12	48	20.35	20.35	20.54					
3	HQPSK	50	0	20.88	20.97	20.94		22	2		
3	HQPSK	50	24	20.58	20.68	20.67					
3	HQPSK	50	49	20.58	20.68	20.67					
3	HQPSK	100	0	19.48	19.57	19.49		21	3		
3	HQPSK	100	24	19.33	19.43	19.43					
3	HQPSK	100	49	19.37	19.47	19.48					
3	HQPSK	50	0	18.44	18.53	18.50		19	5		
3	HQPSK	50	24	18.21	18.27	18.47					
3	HQPSK	50	49	18.21	18.27	18.47					
3	HQPSK	100	0	17.38	17.38	17.29		19	5		
3	HQPSK	100	24	17.32	17.38	17.29					
3	HQPSK	100	49	17.26	17.31	17.29					
3	HQPSK	50	0	17.20	17.32	17.40					
Channel				18900	18800	18900	18800	Time-slot (ms)	MPR (dB)		
Frequency (MHz)											
1.4	QPSK	16	0	22.71	22.81	22.85		24	0		
1.4	QPSK	16	49	22.62	22.67	22.71					
1.4	QPSK	16	98	22.55	22.56	22.56					
1.4	QPSK	50	0	21.84	21.85	21.54		23	1		
1.4	QPSK	50	24	21.62	21.64	21.54					
1.4	QPSK	50	49	21.46	21.55	21.54					
1.4	QPSK	15	0	21.43	21.85	21.53		23	1		
1.4	QPSK	15	48	21.35	21.73	21.39					
1.4	HQPSK	16	0	21.70	21.82	21.54		23	1		
1.4	HQPSK	16	47	21.63	21.83	21.54					
1.4	HQPSK	8	0	20.59	20.48	20.77		22	2		
1.4	HQPSK	8	48	20.49	20.65	20.67					
1.4	HQPSK	15	0	20.52	20.44	20.40		22	2		
1.4	HQPSK	15	48	20.68	20.67	20.63					
1.4	HQPSK	15	97	20.63	20.63	20.63					
1.4	HQPSK	14	0	19.76	19.73	19.59		19	5		
1.4	HQPSK	14	14	17.24	17.28	17.29					
1.4	HQPSK	8	0	17.20	17.30	17.27					
1.4	HQPSK	8	47	17.22	17.48	17.38					
1.4	HQPSK	8	97	17.23	17.34	17.30					
1.4	HQPSK	15	0	17.20	17.32	17.40					
Channel				18900	18800	18900	18800	Time-slot (ms)	MPR (dB)		
Frequency (MHz)											
1.4	QPSK	16	0	22.71	22.81	22.85		24	0		
1.4	QPSK	16	49	22.62	22.67	22.71					
1.4	QPSK	16	98	22.55	22.56	22.56					
1.4	QPSK	50	0	21.84	21.85	21.54		23	1		
1.4	QPSK	50	24	21.62	21.64	21.54					
1.4	QPSK	50	49	21.46	21.55	21.54					
1.4	HQPSK	16	0	21.70	21.82	21.54		23	1		
1.4	HQPSK	16	47	21.63	21.83	21.54					
1.4	HQPSK	8	0	20.59	20.48	20.77		22	2		
1.4	HQPSK	8	48	20.49	20.65	20.67					
1.4	HQPSK	15	0	20.52	20.44	20.40		22	2		
1.4	HQPSK	15	48	20.68	20.67	20.63					
1.4	HQPSK	15	97	20.63	20.63	20.63					
1.4	HQPSK	14	0	19.76	19.73	19.59		19	5		
1.4	HQPSK	14	14	17.24	17.28	17.29					
1.4	HQPSK	8	0	17.20	17.30	17.27					
1.4	HQPSK	8	47	17.22	17.48	17.38					
1.4	HQPSK	8	97	17.23	17.34	17.30					
1.4	HQPSK	15	0	17.20	17.32	17.40					
Channel				18900	18800	18900	18800	Time-slot (ms)	MPR (dB)		
Frequency (MHz)											
1.4	QPSK	16	0	22.71	22.81	22.85		24	0		
1.4	QPSK	16	49	22.62	22.67	22.71					
1.4	QPSK	16	98	22.55	22.56	22.56					
1.4	QPSK	50	0	21.84	21.85	21.54		23	1		
1.4	QPSK	50	24	21.62	21.64	21.54					
1.4	QPSK	50	49	21.46	21.55	21.54					
1.4	HQPSK	16	0	21.70	21.82	21.54		23	1		
1.4	HQPSK	16	47	21.63	21.83	21.54					
1.4	HQPSK	8	0	20.59	20.48	20.77		22	2		
1.4	HQPSK	8	48	20.49	20.65	20.67					
1.4	HQPSK	15	0	20.52	20.44	20.40		22	2		

Band 2_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level (dBm)	Ch. Freq. (MHz)	Ch. Freq. (MHz)	Ch. Freq. (MHz)	Time-slot (ms)	MIMO (Tx/Rx)	
Channel										
18000										
18000										
19100										
Frequency (MHz)										
20	QPSK	6	0	22.35	22.35	22.35	22.35	24	0	
20	QPSK	6	48	22.29	22.39	22.39	22.39			
20	QPSK	6	96	22.23	22.45	22.45	22.45			
20	QPSK	60	0	21.22	21.30	21.30	21.30	23	1	
20	QPSK	50	24	21.14	21.27	21.28	21.28			
20	QPSK	50	48	21.06	21.27	21.28	21.28			
20	QPSK	100	0	21.00	21.07	21.07	21.07	23	1	
20	QPSK	80	24	20.92	21.07	21.07	21.07			
20	16QAM	48	0	21.21	21.23	21.24	21.24	23	1	
20	16QAM	12	48	21.24	21.36	21.25	21.25			
20	16QAM	24	96	21.18	21.32	21.28	21.28			
20	16QAM	50	24	20.97	21.22	21.20	21.20	22	2	
20	16QAM	100	0	20.75	20.95	20.92	20.92			
20	8QAM	60	0	20.48	20.47	20.39	20.39	22	2	
20	8QAM	50	24	20.40	20.47	20.39	20.39			
20	8QAM	25	48	20.32	20.46	20.39	20.39			
20	8QAM	50	0	19.15	19.26	19.27	19.27	21	3	
20	8QAM	50	24	19.07	19.26	19.27	19.27			
20	8QAM	50	48	18.99	19.18	19.24	19.24			
20	8QAM	50	96	18.92	19.18	19.24	19.24			
20	8QAM	50	144	18.84	19.18	19.24	19.24			
20	8QAM	50	192	18.76	19.18	19.24	19.24			
20	8QAM	50	240	18.68	19.18	19.24	19.24			
20	8QAM	50	288	18.60	19.18	19.24	19.24			
20	8QAM	50	336	18.52	19.18	19.24	19.24			
20	8QAM	50	384	18.44	19.18	19.24	19.24			
20	8QAM	50	432	18.36	19.18	19.24	19.24			
20	8QAM	50	480	18.28	19.18	19.24	19.24			
20	8QAM	50	528	18.20	19.18	19.24	19.24			
20	8QAM	50	576	18.12	19.18	19.24	19.24			
20	8QAM	50	624	18.04	19.18	19.24	19.24			
20	8QAM	50	672	17.96	19.18	19.24	19.24			
20	8QAM	50	720	17.88	19.18	19.24	19.24			
20	8QAM	50	768	17.80	19.18	19.24	19.24			
20	8QAM	50	816	17.72	19.18	19.24	19.24			
20	8QAM	50	864	17.64	19.18	19.24	19.24			
20	8QAM	50	912	17.56	19.18	19.24	19.24			
20	8QAM	50	960	17.48	19.18	19.24	19.24			
20	8QAM	50	1008	17.40	19.18	19.24	19.24			
20	8QAM	50	1056	17.32	19.18	19.24	19.24			
20	8QAM	50	1104	17.24	19.18	19.24	19.24			
20	8QAM	50	1152	17.16	19.18	19.24	19.24			
20	8QAM	50	1200	17.08	19.18	19.24	19.24			
20	8QAM	50	1248	17.00	19.18	19.24	19.24			
20	8QAM	50	1296	16.92	19.18	19.24	19.24			

Band 4_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. (W)	Power Fwd. (W)	Power Recv. (W)	Power Recv. (W)	Time-up (min)	MPE (dB)		
Channel											
Frequency (MHz)											
26	QPSK	1	0	23.68	23.70	23.68					
26	QPSK	1	48	23.63	23.64	23.63		24	0		
26	QPSK	1	96	23.58	23.59	23.58					
26	QPSK	60	0	23.34	23.60	23.43					
26	QPSK	96	24	21.46	21.48	21.46		23	1		
26	QPSK	96	72	21.41	21.43	21.41					
26	QPSK	160	0	21.48	21.50	21.48					
26	16QAM	1	0	21.52	21.56	21.52		23	1		
26	16QAM	1	48	21.37	21.60	21.35					
26	16QAM	1	96	21.32	21.53	21.30					
26	16QAM	60	0	20.83	20.85	20.83					
26	16QAM	96	24	20.48	20.49	20.46		22	2		
26	16QAM	96	72	20.45	20.46	20.44					
26	16QAM	160	0	20.47	20.48	20.47					
26	64QAM	1	0	20.71	20.79	20.69		22	2		
26	64QAM	1	48	20.63	20.65	20.63					
26	64QAM	1	96	20.58	20.59	20.58					
26	64QAM	60	0	19.92	19.92	19.92					
26	64QAM	60	48	19.87	19.88	19.87					
26	64QAM	96	24	19.84	19.84	19.84		21	3		
26	64QAM	96	72	19.83	19.83	19.83					
26	64QAM	160	0	19.84	19.84	19.84					
26	256QAM	1	0	17.19	17.19	17.19		19	5		
26	256QAM	1	48	17.08	17.20	17.17					
26	256QAM	1	96	17.03	17.23	17.06					
26	256QAM	60	0	17.27	17.13	17.13					
26	256QAM	60	48	17.18	17.15	17.17		19	5		
26	256QAM	96	24	17.12	17.12	17.12					
26	256QAM	96	72	17.09	17.25	17.18					
26	256QAM	160	0	17.09	17.25	17.18					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.38	22.59	22.51		24	0		
15	QPSK	1	48	22.33	22.54	22.45					
15	QPSK	1	96	22.28	22.37	22.31					
15	QPSK	60	0	21.39	21.48	21.39		23	1		
15	QPSK	60	48	21.34	21.42	21.35					
15	QPSK	96	24	21.31	21.40	21.30					
15	16QAM	1	0	21.62	21.62	21.52		23	1		
15	16QAM	1	48	21.47	21.47	21.32					
15	16QAM	1	96	21.33	21.42	21.38		23	1		
15	16QAM	60	0	20.84	20.84	20.84					
15	16QAM	60	48	20.80	20.80	20.80		22	2		
15	16QAM	96	24	20.80	20.81	20.79					
15	16QAM	96	72	20.79	20.80	20.78					
15	16QAM	160	0	20.81	20.83	20.84		22	2		
15	64QAM	1	0	19.88	19.93	19.86		21	3		
15	64QAM	1	48	19.88	19.93	19.86					
15	64QAM	60	20	19.38	19.39	19.41					
15	64QAM	60	48	19.38	19.39	19.41					
15	64QAM	96	24	19.38	19.39	19.41					
15	64QAM	96	72	19.38	19.39	19.41					
15	64QAM	160	0	19.38	19.39	19.41					
15	256QAM	1	0	17.23	17.23	17.25		19	5		
15	256QAM	1	48	17.13	17.23	17.25					
15	256QAM	1	96	17.08	17.21	17.11					
15	256QAM	60	0	17.25	17.21	17.25		19	5		
15	256QAM	60	48	17.22	17.21	17.22					
15	256QAM	96	24	17.22	17.20	17.21					
15	256QAM	96	72	17.22	17.20	17.21					
Channel											
Frequency (MHz)											
14	QPSK	1	0	22.64	22.69	22.64		24	0		
14	QPSK	1	48	22.52	22.65	22.48					
14	QPSK	1	96	22.44	22.44	22.44					
14	QPSK	6	0	21.41	21.43	21.39		23	1		
14	QPSK	6	48	21.35	21.45	21.35					
14	QPSK	6	96	21.28	21.41	21.38		23	1		
14	QPSK	15	0	21.44	21.65	21.33					
14	QPSK	15	48	21.34	21.65	21.34					
14	QPSK	15	96	21.25	21.65	21.26		23	1		
14	16QAM	1	0	21.62	21.58	21.46					
14	16QAM	1	48	21.47	21.58	21.47					
14	16QAM	1	96	21.38	21.58	21.38					
14	16QAM	6	0	20.49	20.54	20.47					
14	16QAM	6	48	20.37	20.54	20.43		22	2		
14	16QAM	6	96	20.32	20.54	20.43					
14	16QAM	15	0	20.38	20.39	20.28					
14	16QAM	15	48	20.27	20.31	20.25		22	2		
14	16QAM	15	96	20.21	20.27	20.21					
14	16QAM	6	15	19.58	19.63	19.60					
14	16QAM	6	48	19.42	19.60	19.37		21	3		
14	16QAM	6	96	19.30	19.46	19.30					
14	16QAM	15	0	19.38	19.42	19.38					
14	16QAM	15	48	19.28	19.42	19.28					
14	16QAM	15	96	19.28	19.27	19.17		19	5		
14	16QAM	6	15	19.28	19.27	19.17					
14	256QAM	1	0	17.22	17.27	17.19					
14	256QAM	1	48	17.18	17.25	17.18		19	5		
14	256QAM	1	96	17.14	17.25	17.14					
14	256QAM	6	0	17.24	17.20	17.20					
14	256QAM	6	48	17.20	17.25	17.20					
14	256QAM	6	96	17.20	17.25	17.20					
Channel											
Frequency (MHz)											
14	QPSK	1	0	22.48	22.51	22.54		24	0		
14	QPSK	1	48	22.44	22.44	22.44					
14	QPSK	1	96	22.39	22.42	22.35					
14	QPSK	6	0	21.44	21.44	21.44		23	1		
14	QPSK	6	48	21.44	21.44	21.44					
14	QPSK	6	96	21.44	21.44	21.44					
14	16QAM	1	0	21.61	21.50	21.49		23	1		
14	16QAM	1	48	21.53	21.46	21.49					
14	16QAM	1	96	21.44	21.44	21.44					
14	16QAM	6	0	21.65	21.43	21.43		23	1		
14	16QAM	6	48	21.53	21.52	21.44					
14	16QAM	6	96	21.45	21.45	21.45					
14	16QAM	15	0	21.38	21.43	21.43		22	2		
14	16QAM	15	48	21.30	21.42	21.30					
14	16QAM	15	96	21.29	21.42	21.29					
14	16QAM	6	15	20.97	20.50	20.50		22	2		
14	16QAM	6	48	20.97	20.50	20.50					
14	16QAM	6	96	20.97	20.50	20.50					
14	16QAM	15	0	20.43	20.30	20.30					
14	16QAM	15	48	20.43	20.30	20.30					
14	16QAM	15	96	20.43	20.30	20.30					
14	16QAM	6	15	20.35	19.87	19.30		21	3		
14	256QAM	1	0	17.22	17.26	17.14					
14	256QAM	1	48	17.13	17.24	17.13					
14	256QAM	1	96	17.23	17.26	17.16		19	5		
14	256QAM	6	0	17.24	17.24	17.24					
14	256QAM	6	48	17.14	17.26	17.14					
14	256QAM	6	96	17.26	17.22	17.18		19	5		

Band 4_Ant 9												
RF [MHz]	Modulation	RF Size	RF Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Time-up [min]	MPR [dB]				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.60	22.60	22.60	24	0				
20	QPSK	1	6	22.67	22.68	22.67						
20	QPSK	1	36	22.65	22.64	22.65						
20	QPSK	50	0	21.73	21.70	21.63	23	1				
20	QPSK	50	50	21.62	21.53	21.48						
20	QPSK	100	0	21.70	21.57	21.48						
20	16QAM	1	0	21.69	21.60	21.50						
20	16QAM	1	40	21.68	21.70	21.68	23	1				
20	16QAM	1	50	21.71	21.71	21.62						
20	16QAM	50	0	20.72	20.71	20.72	22	2				
20	16QAM	50	50	20.65	20.76	20.71						
20	16QAM	100	0	20.71	20.74	20.72						
20	16QAM	1	0	21.01	21.08	20.90						
20	16QAM	1	40	21.16	21.00	21.02						
20	16QAM	1	50	20.93	20.94	20.97						
20	16QAM	50	50	19.93	19.88	19.72	21	3				
20	16QAM	100	0	19.86	19.73	19.68						
20	256QAM	1	0	17.40	17.40	17.40						
20	256QAM	1	40	17.53	17.44	17.35	19	5				
20	256QAM	1	50	17.57	17.37	17.34						
20	256QAM	50	0	17.46	17.46	17.46						
20	256QAM	50	50	17.46	17.37	17.31	19	5				
20	256QAM	50	100	17.57	17.46	17.30						
20	256QAM	100	0	17.59	17.46	17.30						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.81	22.81	22.79	24	0				
15	QPSK	1	30	22.72	22.72	22.72						
15	QPSK	1	74	22.69	22.68	22.65						
15	QPSK	1	256	21.58	21.61	21.60						
15	QPSK	30	20	21.63	21.62	21.60						
15	QPSK	30	30	21.63	21.58	21.58						
15	QPSK	74	0	21.63	21.61	21.60						
15	16QAM	1	0	21.63	21.76	21.68						
15	16QAM	1	256	21.53	21.60	21.63	23	1				
15	16QAM	1	74	21.71	21.68	21.59						
15	16QAM	30	0	20.58	20.51	20.43						
15	16QAM	30	256	20.51	20.48	20.70						
15	16QAM	30	30	20.58	20.58	20.62						
15	16QAM	74	0	20.65	20.70	20.68						
15	16QAM	1	0	20.39	20.58	20.38						
15	16QAM	1	30	20.37	20.37	20.39						
15	16QAM	1	74	20.52	20.75	20.61						
15	16QAM	30	0	19.76	19.80	19.88						
15	16QAM	30	256	19.82	19.82	19.82						
15	16QAM	30	30	19.79	19.75	19.75	21	3				
15	16QAM	74	0	19.69	19.70	19.85						
15	256QAM	1	0	17.51	17.52	17.52						
15	256QAM	1	30	17.46	17.37	17.32	19	5				
15	256QAM	1	74	17.53	17.58	17.50						
15	256QAM	30	0	17.41	17.38	17.34						
15	256QAM	30	256	17.50	17.41	17.46						
15	256QAM	30	30	17.46	17.38	17.38						
15	256QAM	74	0	17.45	17.38	17.47						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.78	22.80	22.72	24	0				
10	QPSK	1	30	22.55	22.72	22.85						
10	QPSK	1	74	22.69	22.69	22.69						
10	QPSK	1	256	21.67	21.67	21.67						
10	QPSK	30	20	21.67	21.63	21.63						
10	QPSK	74	0	21.69	21.61	21.60						
10	16QAM	1	0	21.63	21.76	21.68						
10	16QAM	1	256	21.53	21.60	21.63	23	1				
10	16QAM	1	74	21.71	21.68	21.59						
10	16QAM	30	0	20.58	20.51	20.43						
10	16QAM	30	256	20.51	20.48	20.70						
10	16QAM	30	30	20.58	20.58	20.62						
10	16QAM	74	0	20.70	20.70	20.70						
10	16QAM	1	0	20.39	20.58	20.38						
10	16QAM	1	30	20.37	20.37	20.39						
10	16QAM	1	74	20.52	20.75	20.61						
10	16QAM	30	0	19.76	19.80	19.88						
10	16QAM	30	256	19.82	19.82	19.82						
10	16QAM	30	30	19.79	19.75	19.75	21	3				
10	16QAM	74	0	19.69	19.70	19.85						
10	256QAM	1	0	17.51	17.52	17.52						
10	256QAM	1	30	17.46	17.37	17.32	19	5				
10	256QAM	1	74	17.53	17.58	17.50						
10	256QAM	30	0	17.41	17.38	17.34						
10	256QAM	30	256	17.50	17.41	17.46						
10	256QAM	30	30	17.46	17.38	17.38						
10	256QAM	74	0	17.45	17.38	17.47						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.69	22.70	22.60	24	0				
3	QPSK	1	8	22.66	22.60	22.58						
3	QPSK	1	24	22.65	22.65	22.65						
3	QPSK	8	0	21.62	21.66	21.67	23	1				
3	QPSK	8	8	21.51	21.62	21.63						
3	QPSK	15	0	21.61	21.58	21.56						
3	16QAM	1	0	21.65	21.65	21.65						
3	16QAM	1	8	21.62	21.68	21.63	23	1				
3	16QAM	1	24	21.54	21.67	21.64						
3	16QAM	8	0	20.66	20.64	20.66	22	2				
3	16QAM	8	8	20.66	20.64	20.66						
3	16QAM	15	0	20.53	20.60	20.60						
3	16QAM	1	0	20.87	21.04	20.80						
3	16QAM	1	8	20.87	20.86	20.87						
3	16QAM	1	24	20.87	20.86	20.87						
3	16QAM	8	0	19.80	19.73	19.73	21	3				
3	16QAM	8	8	19.84	19.81	19.84						
3	16QAM	15	0	19.80	19.80	19.80						
3	256QAM	1	0	17.40	17.40	17.40						
3	256QAM	1	8	17.53	17.42	17.30	19	5				
3	256QAM	1	24	17.52	17.44	17.35						
3	256QAM	8	0	17.56	17.44	17.34						
3	256QAM	8	8	17.56	17.44	17.34						
3	256QAM	15	0	17.50	17.41	17.41						
3	256QAM	15	8	17.52	17.40	17.38						
3	256QAM	15	24	17.52	17.40	17.38						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.72	22.70	22.72	24	0				
1.4	QPSK	1	8	22.69	22.69	22.69						
1.4	QPSK	1	24	22.62	22.54	22.63						
1.4	QPSK	3	0	22.62	22.70	22.60						
1.4	QPSK	3	8	22.61	22.62	22.62						
1.4	QPSK	3	24	22.63	22.54	22.50						
1.4	16QAM	1	0	21.65	21.66	21.66	23	1				
1.4	16QAM	1	8	21.65	21.68	21.67						
1.4	16QAM	1	24	21.59	21.68	21.50						
1.4	16QAM	3	0	21.62	21.64	21.64	23	1				
1.4	16QAM	3	8	21.64	21.64	21.64						
1.4	16QAM	3	24	21.59	21.67	21.50						
1.4	16QAM	8	0	20.62	20.57	20.64	22	2				
1.4	16QAM	8	8	20.62	20.59	20.62						
1.4	16QAM	8	24	20.62	20.59	20.62						
1.4	16QAM	1	0	21.00	20.90	20.90						
1.4	16QAM	1	8	20.88	20.78	20.91						
1.4	16QAM	1	24	20.89	20.91	20.91						
1.4	16QAM	3	0	21.07	20.90	21.01						
1.4	16QAM	3	8	21.07	20.90	21.01						
1.4	16QAM	3	24	21.05	20.95	21.05	21	3				
1.4	256QAM	1	0	17.51	17.47	17.37						
1.4	256QAM	1	8	17.52	17.42	17.32						
1.4	256QAM	1	24	17.52	17.44	17.35						
1.4	256QAM	3	0	17.45	17.41	17.48						
1.4	256QAM	3	8	17.48	17.40	17.30						
1.4	256QAM	3	24	17.48	17.40	17.30						
1.4	256QAM	8	0	17.52	17.37	17.37	19	5				

Band 4_Ant 1									
RF [MHz]	Modulation	RF Sub	RF Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Time-up [min]	MPR [dB]	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.70	22.70	22.70	24	0	
20	QPSK	1	60	22.69	22.68	22.61			
20	QPSK	1	90	22.55	22.57	22.58			
20	QPSK	50	0	21.56	21.51	21.43	23	1	
20	QPSK	50	50	21.53	21.42	21.41			
20	QPSK	100	0	21.59	21.68	21.63			
20	16QAM	1	0	21.69	21.61	21.50	23	1	
20	16QAM	1	40	21.73	21.81	21.88			
20	16QAM	1	90	21.60	21.57	21.63			
20	16QAM	50	0	20.65	20.59	20.59	22	2	
20	16QAM	50	50	20.60	20.69	20.65			
20	16QAM	100	0	20.62	20.62	20.65			
20	16QAM	1	0	20.77	20.93	20.80	22	2	
20	16QAM	1	40	20.70	20.58	20.57			
20	16QAM	1	90	20.84	20.87	20.85			
20	16QAM	50	0	19.73	19.69	19.65	21	3	
20	16QAM	50	50	19.62	19.68	19.68			
20	16QAM	100	0	19.50	19.44	19.45			
20	256QAM	1	0	17.27	17.32	17.38			
20	256QAM	1	40	17.26	17.36	17.23			
20	256QAM	1	90	17.22	17.38	17.29			
20	256QAM	50	0	17.38	17.35	17.19			
20	256QAM	50	50	17.37	17.27	17.28			
20	256QAM	100	0	17.28	17.38	17.29			
20	256QAM	1	0	17.23	17.33	17.26			
20	256QAM	1	40	17.23	17.33	17.26			
20	256QAM	1	90	17.23	17.33	17.26			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.61	22.73	22.73	24	0	
15	QPSK	1	60	22.59	22.58	22.58			
15	QPSK	1	90	22.44	22.46	22.46			
15	QPSK	30	0	21.43	21.60	21.68	23	1	
15	QPSK	30	50	21.42	21.51	21.51			
15	QPSK	30	90	21.43	21.57	21.42			
15	QPSK	75	0	21.62	21.53	21.43	23	1	
15	QPSK	75	50	21.57	21.46	21.46			
15	QPSK	75	90	21.60	21.67	21.68			
15	16QAM	1	0	21.53	21.53	21.53	22	2	
15	16QAM	30	0	20.51	20.51	20.63			
15	16QAM	30	20	20.48	20.36	20.42			
15	16QAM	75	0	20.48	20.36	20.42	22	2	
15	16QAM	75	50	20.42	20.35	20.49			
15	16QAM	75	90	20.74	20.94	20.75			
15	16QAM	1	0	20.52	20.52	20.52	21	3	
15	16QAM	30	20	19.54	19.64	19.57			
15	16QAM	30	50	19.53	19.52	19.58			
15	256QAM	1	0	17.34	17.26	17.31	18	5	
15	256QAM	1	40	17.29	17.35	17.29			
15	256QAM	1	90	17.21	17.30	17.28			
15	256QAM	30	0	17.26	17.30	17.25			
15	256QAM	30	50	17.28	17.28	17.21			
15	256QAM	30	90	17.38	17.42	17.31			
15	256QAM	75	0	17.31	17.27	17.26	Time-up [min]	MPR [dB]	
15	256QAM	75	50	17.29	17.29	17.29			
15	256QAM	75	90	17.29	17.29	17.29			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.70	22.67	22.69	24	0	
10	QPSK	1	60	22.64	22.55	22.43			
10	QPSK	1	90	22.54	22.55	22.43			
10	QPSK	12	7	21.58	21.54	21.58	23	1	
10	QPSK	12	26	21.47	21.51	21.56			
10	QPSK	12	55	21.47	21.51	21.56			
10	16QAM	1	0	21.56	21.58	21.58	23	1	
10	16QAM	1	26	21.69	21.70	21.71			
10	16QAM	1	55	21.62	21.59	21.63			
10	16QAM	12	0	20.48	20.41	20.41	22	2	
10	16QAM	12	26	20.48	20.41	20.41			
10	16QAM	12	55	20.48	20.41	20.41			
10	16QAM	25	0	20.68	20.60	20.61	22	2	
10	16QAM	25	26	20.68	20.60	20.61			
10	16QAM	25	55	20.68	20.60	20.61			
10	16QAM	25	0	19.54	19.55	19.57	21	3	
10	16QAM	25	26	19.57	19.53	19.54			
10	16QAM	25	55	19.57	19.53	19.54			
10	256QAM	1	0	17.22	17.30	17.23	19	5	
10	256QAM	1	26	17.26	17.34	17.26			
10	256QAM	1	55	17.26	17.38	17.27			
10	256QAM	12	0	17.32	17.32	17.32			
10	256QAM	12	26	17.37	17.37	17.24			
10	256QAM	12	55	17.37	17.37	17.24			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.72	22.71	22.71	24	0	
5	QPSK	1	12	22.43	22.48	22.59			
5	QPSK	1	24	22.54	22.50	22.49			
5	QPSK	12	7	21.58	21.54	21.58	23	1	
5	QPSK	12	26	21.47	21.51	21.56			
5	QPSK	12	55	21.47	21.51	21.56			
5	QPSK	25	0	21.56	21.58	21.58	23	1	
5	QPSK	25	26	21.69	21.70	21.71			
5	QPSK	25	55	21.62	21.59	21.63			
5	16QAM	1	0	20.48	20.41	20.41	22	2	
5	16QAM	1	12	20.48	20.41	20.41			
5	16QAM	1	24	21.52	21.52	21.52			
5	16QAM	12	0	20.51	20.51	20.51	22	2	
5	16QAM	12	13	20.43	20.49	20.41			
5	16QAM	12	26	20.43	20.49	20.41			
5	16QAM	1	0	20.72	20.81	20.74	22	2	
5	16QAM	1	12	20.53	20.70	20.65			
5	16QAM	1	24	20.52	20.62	20.62			
5	16QAM	12	0	19.68	19.56	19.64	21	3	
5	16QAM	12	13	19.68	19.56	19.64			
5	16QAM	12	26	19.68	19.56	19.64			
5	16QAM	25	0	19.47	19.48	19.57	19	5	
5	16QAM	25	13	19.48	19.48	19.48			
5	16QAM	25	26	19.48	19.48	19.48			
5	256QAM	1	0	17.29	17.28	17.31			
5	256QAM	1	12	17.33	17.43	17.32			
5	256QAM	1	24	17.32	17.43	17.32			
5	256QAM	12	0	17.32	17.43	17.32			
5	256QAM	12	13	17.32	17.43	17.32			
5	256QAM	12	26	17.32	17.43	17.32			
5	256QAM	25	0	17.24	17.43	17.29			
5	256QAM	25	13	17.24	17.43	17.29			
5	256QAM	25	26	17.24	17.43	17.29			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.58	22.65	22.63	24	0	
3	QPSK	1	8	22.52	22.45	22.65			
3	QPSK	1	16	22.42	22.46	22.65			
3	QPSK	8	0	21.53	21.64	21.61	23	1	
3	QPSK	8	8	21.44	21.55	21.55			
3	QPSK	8	16	21.45	21.55	21.45			
3	QPSK	15	0	21.67	21.48	21.67	23	1	
3	QPSK	15	8	21.67	21.48	21.67			
3	QPSK	15	16	21.67	21.48	21.67			
3	16QAM	1	0	21.70	21.78	21.81	23	1	
3	16QAM	1	14	21.58	21.42	21.58			
3	16QAM	1	28	21.58	21.42	21.58			
3	16QAM	8	0	20.36	20.40	20.50	22	2	
3	16QAM	8	8	20.36	20.40	20.50			
3	16QAM	8	16	20.36	20.40	20.50			
3	16QAM	15	0	20.54	20.55	20.54	22	2	
3	16QAM	15	8	20.68	20.79	20.74			
3	16QAM	15	16	20.68	20.79	20.74			
3	16QAM	1	0	19.83	19.67	19.61	21	3	
3	16QAM	8	0	19.58	19.55	19.59			
3	16QAM	8	8	19.58	19.55	19.59			
3	16QAM	8	7	19.63	19.48	19.58	21	3	
3	16QAM	8	15	19.63	19.48	19.58			
3	16QAM	8	23	19.63	19.48	19.58			
3	16QAM	1	0	17.22	17.26	17.27			
3	16QAM	1	8	17.33	17.40	17.29			
3	16QAM	1	16	17.33	17.40	17.29			
3	16QAM	8	0	17.26	17.31	17.26	19	5	
3	16QAM	8	8	17.26	17.31	17.26			
3	16QAM	8	16	17.26	17.31	17.26			
3	16QAM	8	7	17.25	17.30	17.28			
3	16QAM	8	15	17.25	17.30	17.28			
3	16QAM	8	23	17.25	17.30	17.28			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.67	22.76	22.63	24	0	
1.4	QPSK	1	6	22.47	22.47	22.63			
1.4	QPSK	1	12	22.37	22.37	22.39			
1.4	QPSK	1	6	21.57	21.62	21.59	23	1	
1.4	QPSK	1	18	21.59	21.64	21.61			
1.4	QPSK	1	24	21.59	21.64	21.61			
1.4	QPSK	3	0	21.51	21.43	21.57	23	1	
1.4	QPSK	3	6	21.51	21.43	21.57			
1.4	QPSK	3	12	21.51	21.43	21.57			
1.4	16QAM	1	0	21.67	21.48	21.55	23	1	
1.4	16QAM	1	6	21.64	21.71	21.49			
1.4	16QAM	1	12	21.53	21.53	21.49			
1.4	16QAM	3	0	21.50	21.52	21.47	22	2	
1.4	16QAM	3	6	21.43	21.47	21.54			
1.4	16QAM	3	12	21.43	21.47	21.54			
1.4	16QAM	6	0	20.48	20.55	20.51	22	2	
1.4	16QAM	6	6	20.48	20.55	20.51			
1.4	16QAM	6	12	20.48	20.55	20.51			
1.4	16QAM	3	0	20.68	20.72	20.61	22	2	
1.4	16QAM	3	6	20.81	20.80	20.58			
1.4	16QAM	3	12	20.80	20.40	20.58			
1.4	16QAM	3	1	20.34	20.46	20.57	21	3	
1.4	16								

Band 7_Ant 2										
RF [MHz]	Modulation	RF Slot	RF Offset	Power Low [W]	Power Mid [W]	Power High [W]	Tune-up time (s)	MPR [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.60	22.62	22.70		24	0	
20	QPSK	1	40	22.60	22.61	22.60				
20	QPSK	1	80	22.75	22.58	22.67				
20	QPSK	50	0	21.70	21.63	21.60		23	1	
20	QPSK	50	40	21.72	21.60	21.57				
20	QPSK	50	80	21.57	21.62	21.67				
20	HQAM	1	0	21.71	21.68	21.69		23	1	
20	HQAM	1	40	21.61	21.73	21.70				
20	HQAM	1	80	21.54	21.62	21.67				
20	HQAM	50	0	20.70	20.59	20.42		22	2	
20	HQAM	50	40	20.65	20.64	20.64				
20	HQAM	50	80	20.58	20.54	20.40				
20	HQAM	100	0	20.63	20.64	20.59		22	2	
20	HQAM	100	40	20.58	20.70	20.77				
20	HQAM	100	80	20.70	20.52	20.69				
20	HQAM	50	100	19.84	19.70	19.65		21	3	
20	HQAM	50	24	19.81	19.72	19.66				
20	HQAM	100	0	19.76	19.72	19.68				
20	SSBQAM	1	0	17.39	17.29	17.38		19	5	
20	SSBQAM	1	40	17.34	17.41	17.38				
20	SSBQAM	1	80	17.30	17.45	17.32				
20	SSBQAM	50	0	17.22	17.37	17.41		19	5	
20	SSBQAM	50	40	17.22	17.47	17.41				
20	SSBQAM	50	80	17.37	17.32	17.38				
20	SSBQAM	100	0	17.24	17.34	17.38				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.67	22.62	22.73		24	0	
15	QPSK	1	37	22.68	22.46	22.59				
15	QPSK	1	74	22.74	22.46	22.62				
15	QPSK	36	0	21.58	21.73	21.68		23	1	
15	QPSK	36	20	21.60	21.44	21.57				
15	QPSK	36	40	21.60	21.68	21.57				
15	QPSK	75	0	21.61	21.63	21.64		23	1	
15	HQAM	1	0	21.62	21.61	21.59		23	1	
15	HQAM	1	37	21.72	21.72	21.70				
15	HQAM	1	74	21.46	21.48	21.66				
15	HQAM	36	0	20.62	20.44	20.34		22	2	
15	HQAM	36	40	20.62	20.49	20.41				
15	HQAM	36	80	20.51	20.34	20.24				
15	HQAM	75	0	20.54	20.30	20.29		22	2	
15	HQAM	1	37	20.59	20.59	20.67		22	2	
15	HQAM	1	74	20.67	20.77	20.74				
15	HQAM	36	0	19.86	19.88	19.82				
15	HQAM	36	40	19.76	19.81	19.84		21	3	
15	HQAM	36	80	19.70	19.81	19.84				
15	HQAM	75	0	19.74	19.76	19.82				
15	SSBQAM	1	37	17.27	17.38	17.36		19	5	
15	SSBQAM	1	74	17.38	17.40	17.39				
15	SSBQAM	36	0	17.28	17.38	17.38		19	5	
15	SSBQAM	36	20	17.30	17.37	17.36				
15	SSBQAM	75	0	17.21	17.29	17.28				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.67	22.61	22.59		24	0	
10	QPSK	1	35	22.67	22.50	22.47				
10	QPSK	1	69	22.60	22.50	22.50				
10	QPSK	25	0	21.69	21.64	21.72		23	1	
10	QPSK	25	12	21.54	21.43	21.42				
10	QPSK	25	24	21.67	21.63	21.40				
10	QPSK	50	0	21.63	21.70	21.59		23	1	
10	HQAM	1	0	21.64	21.68	21.67		23	1	
10	HQAM	1	35	21.67	21.63	21.69				
10	HQAM	1	69	21.46	21.48	21.58				
10	HQAM	25	0	20.64	20.48	20.35		22	2	
10	HQAM	25	12	20.62	20.69	20.35				
10	HQAM	25	24	20.58	20.41	20.32				
10	HQAM	50	0	20.45	20.51	20.30		22	2	
10	HQAM	1	0	20.53	20.62	20.60		22	2	
10	HQAM	1	35	20.78	20.71	20.74				
10	HQAM	1	69	20.67	20.78	20.68				
10	HQAM	25	0	19.72	19.67	19.52		21	3	
10	HQAM	25	12	19.76	19.67	19.52				
10	HQAM	25	24	19.68	19.61	19.61				
10	HQAM	50	0	19.76	19.67	19.57				
10	HQAM	50	12	17.22	17.34	17.34		19	5	
10	SSBQAM	1	35	17.24	17.38	17.32				
10	SSBQAM	1	69	17.28	17.32	17.32		19	5	
10	SSBQAM	25	0	17.29	17.41	17.42				
10	SSBQAM	25	12	17.32	17.40	17.38				
10	SSBQAM	25	24	17.28	17.38	17.33				
10	SSBQAM	50	0	17.21	17.31	17.33				

Band 7_Ant 9										
RF [MHz]	Modulation	RF Slot	RF Offset	Power Low [W]	Power Mid [W]	Power High [W]	Tune-up [dB]	MPR [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.60	22.60	22.60		24	0	
20	QPSK	1	40	22.60	22.60	22.60				
20	QPSK	1	80	22.62	22.76	22.60				
20	QPSK	50	0	21.86	21.60	21.70		23	1	
20	QPSK	50	40	21.88	21.62	21.77				
20	QPSK	50	80	21.83	21.65	21.70				
20	HQAM	1	0	21.86	21.67	21.80		23	1	
20	HQAM	1	40	21.81	21.94	21.85				
20	HQAM	1	80	21.74	21.80	21.85				
20	HQAM	50	0	20.63	20.69	20.72		22	2	
20	HQAM	50	40	20.67	20.69	20.70				
20	HQAM	50	80	20.57	20.66	20.65				
20	HQAM	100	0	20.62	20.62	20.70		22	2	
20	HQAM	100	40	20.63	20.77	20.74				
20	HQAM	100	80	20.69	20.62	20.64				
20	HQAM	50	100	19.85	19.85	19.85		21	3	
20	HQAM	50	24	19.83	19.85	19.85				
20	HQAM	100	0	19.78	19.82	19.82				
20	SSBQAM	1	0	17.59	17.71	17.78		19	5	
20	SSBQAM	1	40	17.55	17.64	17.62				
20	SSBQAM	1	80	17.67	17.67	17.64				
20	SSBQAM	50	0	17.63	17.74	17.65		19	5	
20	SSBQAM	50	40	17.63	17.74	17.65				
20	SSBQAM	50	80	17.68	17.65	17.65				
20	SSBQAM	100	0	17.64	17.66	17.71				
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.67	22.60	22.67		24	0	
16	QPSK	1	37	22.73	22.83	22.70				
16	QPSK	1	74	22.89	22.84	22.70				
16	QPSK	36	0	21.78	21.62	21.62		23	1	
16	QPSK	36	20	21.82	21.72	21.70				
16	QPSK	36	40	21.85	21.85	21.67				
16	QPSK	75	0	21.85	21.85	21.67		23	1	
16	HQAM	1	0	21.86	21.82	21.78		23	1	
16	HQAM	1	37	21.72	21.72	21.70				
16	HQAM	1	74	21.79	21.77	21.69				
16	HQAM	36	0	20.77	20.87	20.71		22	2	
16	HQAM	36	40	20.85	20.85	20.84				
16	HQAM	36	80	20.63	20.78	20.63				
16	HQAM	75	0	20.83	20.85	20.84		21	3	
16	HQAM	1	37	20.67	20.69	20.70		22	2	
16	HQAM	1	74	20.77	20.77	20.70				
16	HQAM	36	0	19.88	19.75	19.77				
16	HQAM	36	40	19.85	19.85	19.85		21	3	
16	HQAM	36	80	19.82	19.82	19.82				
16	HQAM	75	0	19.87	19.83	19.86				
16	SSBQAM	1	37	17.28	17.38	17.38		19	5	
16	SSBQAM	1	74	17.34	17.34	17.38				
16	SSBQAM	36	0	17.28	17.38	17.38		19	5	
16	SSBQAM	36	20	17.62	17.72	17.62				
16	SSBQAM	75	0	17.65	17.72	17.65				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.80	22.50	22.50		24	0	
10	QPSK	1	25	22.86	22.82	22.77				
10	QPSK	25	0	21.83	21.60	21.70		23	1	
10	QPSK	25	12	21.73	21.83	21.68				
10	QPSK	25	25	21.80	21.70	21.75				
10	QPSK	50	0	21.76	21.67	21.76		23	1	
10	HQAM	1	0	21.87	21.86	21.76		23	1	
10	HQAM	1	25	21.78	21.79	21.70				
10	HQAM	1	50	21.79	21.83	21.68				
10	HQAM	25	0	20.77	20.87	20.71		22	2	
10	HQAM	25	12	20.85	20.85	20.84				
10	HQAM	25	25	20.70	20.89	20.75				
10	HQAM	50	0	20.70	20.87	20.76				
10	HQAM	50	12	20.77	20.87	20.76				
10	HQAM	50	25	20.70	20.89	20.76		22	2	
10	HQAM	1	50	20.71	20.87	20.71				
10	HQAM	25	25	19.82	19.75	19.79		21	3	
10	HQAM	25	25	19.87	19.77	19.75				
10	HQAM	50	0	19.82	19.81	19.74				
10	HQAM	50	12	19.85	19.75	19.75				
10	SSBQAM	1	25	17.63	17.74	17.62		19	5	
10	SSBQAM	1	50	17.63	17.75	17.65				
10	SSBQAM	25	0	17.61	17.63	17.58				
10	SSBQAM	25	0	17.71	17.68	17.61				
10	SSBQAM	25	12	17.68	17.80	17.62				
10	SSBQAM	25	25	17.68	17.80	17.61		19	5	
10	SSBQAM	25	25	17.68	17.80	17.61				
10	SSBQAM	50	0	17.62	17.60	17.72				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.76	22.60	22.60		24	0	
5	QPSK	1	24	22.82	22.82	22.79				
5	QPSK	12	0	21.74	21.63	21.60		23	1	
5	QPSK	12	12	21.76	21.63	21.60				
5	QPSK	12	24	21.83	21.68	21.65				
5	HQAM	1	0	21.76	21.86	21.72		23	1	
5	HQAM	1	24	21.78	21.79	21.70				
5	HQAM	12	0	21.79	21.88	21.81		23	1	
5	HQAM	12	12	21.79	21.88	21.81				
5	HQAM	12	24	21.91	21.89	21.82				
5	HQAM	24	0	20.81	20.89	20.76		22	2	
5	HQAM	24	12	20.87	20.89	20.76				
5	HQAM	24	24	20.90	20.77	20.75				
5	HQAM	1	24	20.77	20.80	20.74				
5	HQAM	1	24	20.81	20.88	20.81		22	2	
5	HQAM	12	12	20.77	20.80	20.74				
5	HQAM	12	24	19.86	19.93	19.79		21	3	
5	HQAM	24	0	19.85	19.85	19.85				
5	SSBQAM	1	0	17.61	17.68	17.75		19	5	
5	SSBQAM	1	24	17.61	17.75	17.65				
5	SSBQAM	12	0	17.59	17.60	17.67				
5	SSBQAM	12	12	17.66	17.67	17.62				
5	SSBQAM	12	24	17.73	17.69	17.68				

Band 12_Ant 1														
BN (MHz)	Modulation	RF Slot	RF Offset	Power Low Ch / Freq	Power Media Ch / Freq	Power High Ch / Freq	Tune-up Intv. (MHz)	MPR (dB)						
Channel														
				23060	23065	23130								
Frequency (MHz)				762	767.5	771								
10	QPSK	1	0	22.30	22.30	22.30	24	0						
10	QPSK	1	26	22.29	22.30	22.30								
10	QPSK	1	49	22.29	22.27	22.31								
10	QPSK	1	71	22.29	22.27	22.31								
10	QPSK	25	0	21.21	21.23	21.18	23	1						
10	QPSK	25	25	21.21	21.23	21.18								
10	QPSK	25	50	21.21	21.23	21.18								
10	QPSK	25	75	21.21	21.23	21.18								
10	HQAM	1	0	21.23	21.28	21.20	23	1						
10	HQAM	1	26	21.29	21.24	21.22								
10	HQAM	1	49	21.33	21.26	21.10								
10	HQAM	25	0	20.87	20.26	20.15								
10	HQAM	25	5	20.26	20.26	20.10	22	2						
10	HQAM	25	12	20.32	20.22	20.13								
10	HQAM	50	0	20.21	20.23	20.14								
10	HQAM	1	0	20.30	20.32	20.30								
10	HQAM	1	25	20.37	20.25	20.40	22	2						
10	HQAM	1	49	20.25	20.21	20.38								
10	HQAM	25	0	19.97	19.25	19.13								
10	HQAM	25	12	19.21	19.20	19.19								
10	HQAM	50	0	19.19	19.22	19.14	19	5						
10	25QAM	1	0	17.12	17.15	17.10								
10	25QAM	1	26	17.25	17.31	17.11								
10	25QAM	1	49	17.24	17.18	17.13								
10	25QAM	12	0	17.11	17.14	17.11	19	5						
10	25QAM	25	12	17.11	17.18	17.12								
10	25QAM	25	25	17.21	17.28	17.10								
10	25QAM	50	0	17.16	17.18	17.10								
Channel														
Frequency (MHz)				23065	23065	23165								
				771.5	762	764.5								
5	QPSK	1	0	22.23	22.30	22.30	24	0						
5	QPSK	1	12	22.19	22.11	22.13								
5	QPSK	1	24	22.20	22.15	22.07								
5	QPSK	12	0	21.28	21.14	21.11								
5	QPSK	12	7	21.08	21.16	21.20	23	1						
5	HQAM	1	0	21.11	21.14	21.19								
5	HQAM	1	0	21.11	21.14	21.19								
5	HQAM	1	26	21.05	21.14	21.08								
5	HQAM	1	24	21.21	21.04	21.11	23	1						
5	HQAM	12	0	20.14	20.00	20.10								
5	HQAM	12	7	20.17	20.02	20.14								
5	HQAM	12	13	20.06	20.00	20.03								
5	HQAM	25	0	20.09	20.09	20.00	22	2						
5	HQAM	1	0	20.19	20.06	20.00								
5	HQAM	1	12	20.06	20.19	20.05								
5	HQAM	1	24	20.11	20.14	20.05								
5	HQAM	12	0	19.93	19.21	19.13	21	3						
5	HQAM	12	7	19.15	19.04	19.20								
5	HQAM	12	13	19.15	19.04	19.20								
5	HQAM	25	0	19.09	19.18	19.08								
5	25QAM	1	0	17.11	17.25	17.25	19	5						
5	25QAM	1	12	17.11	17.25	17.25								
5	25QAM	1	24	17.08	17.25	17.10								
5	25QAM	12	0	17.24	17.19	17.25								
5	25QAM	12	7	17.23	17.16	17.21	19	5						
5	25QAM	12	13	17.15	17.25	17.22								
5	25QAM	25	0	17.12	17.19	17.12								
Channel														
Frequency (MHz)				23067	23065	23173								
				769.7	767.5	765.3								
3	QPSK	1	0	22.24	22.29	22.31	24		0					
3	QPSK	1	3	22.52	22.57	22.17								
3	QPSK	1	24	22.25	22.10	22.14								
3	QPSK	3	0	22.30	22.19	22.33								
3	QPSK	3	3	22.06	22.24	22.07	23	1						
3	QPSK	6	0	21.14	21.09	21.06								
3	HQAM	1	0	21.17	21.19	21.24								
3	HQAM	1	3	21.23	21.09	21.08								
3	HQAM	3	0	21.08	21.10	21.14	23	1						
3	HQAM	3	3	21.21	21.10	21.15								
3	HQAM	3	1	21.20	21.21	21.15								
3	HQAM	3	1	21.20	21.21	21.15								
3	HQAM	3	3	21.14	21.10	21.15	22	2						
3	HQAM	6	0	20.06	20.05	20.19								
3	HQAM	1	0	20.00	20.09	20.04								
3	HQAM	1	3	20.19	20.19	20.19								
3	HQAM	1	5	20.17	20.08	20.10	22	2						
3	HQAM	3	0	20.10	20.00	20.10								
3	HQAM	3	1	20.09	20.08	20.19								
3	HQAM	3	3	20.15	20.14	20.14								
3	HQAM	6	0	19.13	19.02	19.20	21	3						
3	HQAM	1	0	17.16	17.31	17.19								
3	HQAM	1	3	17.26	17.24	17.24								
3	HQAM	1	5	17.26	17.13	17.25								
3	25QAM	1	0	17.19	17.27	17.24	19	5						
3	25QAM	3	0	17.16	17.12	17.23								
3	25QAM	3	3	17.19	17.14	17.24								
3	25QAM	6	0	17.17	17.28	17.21								

Band 13_Ant 0										
BN (MHz)	Modulation	RF Slot	RF Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up (MHz)	MPR (dB)		
Channel										
				23230						
Frequency (MHz)				762						
10	QPSK	1	0	22.44	22.44	22.44	24	0		
10	QPSK	1	25	22.39	22.39	22.39				
10	QPSK	1	49	22.39	22.39	22.39				
10	QPSK	25	0	21.25	21.25	21.25				
10	QPSK	25	12	21.25	21.25	21.25	23	1		
10	QPSK	25	25	21.35	21.35	21.35				
10	QPSK	50	0	21.33	21.33	21.33				
10	HQAM	1	0	21.00	21.00	21.00				
10	HQAM	1	25	21.09	21.09	21.09	23	1		
10	HQAM	1	49	21.24	21.24	21.24				
10	HQAM	25	0	20.22	20.22	20.22				
10	HQAM	25	12	20.25	20.25	20.25				
10	HQAM	50	0	20.18	20.18	20.18	22	2		
10	HQAM	1	0	20.30	20.30	20.30				
10	HQAM	1	25	20.18	20.18	20.18				
10	QPSK	1	0	20.30	20.30	20.30	22	2		
10	QPSK	1	25	20.18	20.18	20.18				
10	QPSK	25	0	19.23	19.23	19.23				
10	QPSK	25	12	19.25	19.25	19.25				
10	QPSK	50	0	19.19	19.19	19.19	21	3		
10	QPSK	1	0	17.42	17.42	17.42				
10	QPSK	25	0	19.23	19.23	19.23				
10	QPSK	25	12	19.25	19.25	19.25				
10	QPSK	50	0	19.19	19.19	19.19	19	5		
10	QPSK	1	0	17.42	17.42	17.42				
10	QPSK	25	12	17.47	17.47	17.47				
10	QPSK	25	25	17.50	17.50	17.50				
10	QPSK	50	0	17.47	17.47	17.47	19	5		
10	QPSK	1	0	17.25	17.25	17.25				
10	QPSK	25	0	17.25	17.25	17.25				
10	QPSK	25	12	17.27	17.27	17.27				
Channel										
				23205 <th>23205<th>23205<th colspan="4"></th></th></th>	23205 <th>23205<th colspan="4"></th></th>	23205 <th colspan="4"></th>				
Frequency (MHz)				762	762	762				
5	QPSK	1	0	22.34	22.34	22.34	24	0		
5	QPSK	1	12	22.34	22.32	22.23				
5	QPSK	1	24	22.31	22.23	22.23				
5	QPSK	12	0	21.24	21.19	21.19				
5	QPSK	12	7	21.11	21.23	21.23	23	1		
5	QPSK	12	13	21.11	21.23	21.23				
5	QPSK	25	0	21.13	21.18	21.18				
5	QPSK	25	6	21.13	21.28	21.28				
5	QPSK	25	0	21.02	21.10	21.08	23	1		
5	QPSK	12	12	21.05	21.08	21.09				
5	QPSK	1	24	21.21	21.04	21.11				
5	HQAM	1	0	20.12	20.12	20.12				
5	HQAM	12	7	20.15	20.15	20.15	22	2		
5	HQAM	12	13	20.08	20.10	20.13				
5	HQAM	25	0	20.03	20.00	20.03				
5	HQAM	1	0	20.31	20.18	20.18				
5	HQAM	1	12	20.12	20.01	20.00	22	2		
5	HQAM	1	24	20.21	20.07	20.01				
5	HQAM	12	0	19.04	19.10	19.18				
5	HQAM	12	13	19.05	19.12	19.19				
5	HQAM	12	13	19.25	19.23	19.17	21	3		
5	HQAM	25	0	19.13	19.08	19.07				
5	HQAM	1	0	17.25	17.42	17.20				
5	HQAM	1	12	17.13	17.13	17.12				
5	SSBQAM	1	24	17.68	17.50	17.48	19	5		
5	SSBQAM	1	24	17.24	17.24	17.22				
5	SSBQAM	12	7	17.25	17.20	17.28				
5	SSBQAM	12	7	17.25	17.20	17.28				
5	SSBQAM	12	13	17.10	17.01	17.08	19	5		
5	SSBQAM	12	13	17.18	17.18	17.14				
5	SSBQAM	12	13	17.18	17.18	17.14				
5	SSBQAM	12	13	17.18	17.18	17.14				

Band 14_Ant 1											
Ch	Modulation	RF	RF	Power	Power	Power	Turn-on	MPR	Ch	C/C	
(MHz)		Band	Offset	Low	Mid	High	Time (sec)	(dB)	Data	+0.5	
Channel				Ch 1 (Freq)	Ch 2 (Freq)	Ch 3 (Freq)					
Frequency (MHz)				750							
10	QPSK	1	0	22.45	22.45	22.45	24	0	1.15	24.50	
10	QPSK	1	25	22.50	22.50	22.50	24	0	1.15	24.50	
10	QPSK	1	40	22.55	22.55	22.55	24	0	1.15	24.50	
10	QPSK	25	0	21.25	21.25	21.25	23	1	1.10	21.30	
10	QPSK	25	12	21.26	21.26	21.26	23	1	1.10	21.30	
10	QPSK	25	25	21.26	21.26	21.26	23	1	1.10	21.30	
10	QPSK	50	0	21.30	21.30	21.30	23	1	1.10	21.30	
10	16QAM	1	0	21.37	21.37	21.37	23	1	0.06	21.38	
10	16QAM	1	25	21.36	21.36	21.36	23	1	0.06	21.38	
10	16QAM	1	40	21.31	21.31	21.31	23	1	0.06	21.38	
10	16QAM	25	0	20.35	20.35	20.35	22	2	0.05	20.36	
10	16QAM	25	12	20.31	20.31	20.31	22	2	0.05	20.36	
10	16QAM	25	25	20.31	20.31	20.31	22	2	0.05	20.36	
10	16QAM	50	0	20.34	20.34	20.34	22	2	0.30	20.35	
10	16QAM	1	25	20.74	20.74	20.74	22	2	0.30	20.35	
10	16QAM	1	40	20.74	20.74	20.74	22	2	0.30	20.35	
10	16QAM	25	0	19.36	19.36	19.36	21	3	0.13	19.37	
10	16QAM	25	12	19.26	19.26	19.26	21	3	0.13	19.37	
10	16QAM	25	25	19.26	19.26	19.26	21	3	0.13	19.37	
10	16QAM	50	0	19.04	19.04	19.04	19	5	0.14	19.05	
10	16QAM	1	0	17.31	17.31	17.31	19	5	0.14	17.32	
10	16QAM	1	25	17.37	17.37	17.37	19	5	0.14	17.32	
10	16QAM	1	40	17.20	17.20	17.20	19	5	0.14	17.32	
10	16QAM	25	0	17.18	17.18	17.18	19	5	0.14	17.32	
10	16QAM	25	12	17.21	17.21	17.21	19	5	0.14	17.32	
10	16QAM	25	25	17.22	17.22	17.22	19	5	0.14	17.32	
10	16QAM	50	0	17.20	17.20	17.20	19	5	0.14	17.32	

Band 17_Ant 0											
Ch	Modulation	RF	RF	Power	Power	Power	Turn-on	MPR	Ch	C/C	
(MHz)		Band	Offset	Low	Mid	High	Time (sec)	(dB)	Data	+0.5	
Channel				2170	2170	2170					
Frequency (MHz)				700	710	711					
10	QPSK	1	0	22.15	22.15	22.15	24	0	1.15	22.20	
10	QPSK	1	25	22.15	22.15	22.15	24	0	1.15	22.20	
10	QPSK	1	40	22.15	22.15	22.15	24	0	1.15	22.20	
10	QPSK	25	0	21.05	21.05	21.05	23	1	1.10	21.10	
10	QPSK	25	12	21.05	21.05	21.05	23	1	1.10	21.10	
10	QPSK	25	25	21.05	21.05	21.05	23	1	1.10	21.10	
10	16QAM	1	0	21.13	21.13	21.13	23	1	0.06	21.14	
10	16QAM	1	25	21.08	21.08	21.12	23	1	0.06	21.14	
10	16QAM	1	40	21.03	21.03	21.14	23	1	0.06	21.14	
10	16QAM	25	0	20.10	20.10	20.13	22	2	0.05	20.10	
10	16QAM	25	12	20.05	20.05	20.08	22	2	0.05	20.10	
10	16QAM	25	25	20.05	20.05	20.08	22	2	0.05	20.10	
10	16QAM	50	0	20.10	20.10	20.12	22	2	0.30	20.10	
10	16QAM	1	25	20.13	20.17	20.04	22	2	0.30	20.10	
10	16QAM	1	40	20.08	20.07	20.10	22	2	0.30	20.10	
10	16QAM	25	0	19.02	19.10	19.02	21	3	0.13	19.02	
10	16QAM	25	12	18.13	18.07	18.10	21	3	0.13	19.02	
10	16QAM	25	25	18.12	18.05	18.04	21	3	0.13	19.02	
10	16QAM	50	0	18.11	18.08	18.09	19	5	0.14	18.10	
10	16QAM	1	0	17.10	17.10	17.13	19	5	0.14	17.10	
10	16QAM	1	25	17.03	17.20	17.31	19	5	0.14	17.10	
10	16QAM	1	40	17.06	17.28	17.30	19	5	0.14	17.10	
10	16QAM	25	0	17.18	17.17	17.21	19	5	0.14	17.10	
10	16QAM	25	12	17.07	17.10	17.20	19	5	0.14	17.10	
10	16QAM	25	25	17.14	17.13	17.31	19	5	0.14	17.10	
10	16QAM	50	0	17.05	17.10	17.21	19	5	0.14	17.10	

Band 17_Ant 1											
Ch	Modulation	RF	RF	Power	Power	Power	Turn-on	MPR	Ch	C/C	
(MHz)		Band	Offset	Low	Mid	High	Time (sec)	(dB)	Data	+0.5	
Channel				2170	2170	2170					
Frequency (MHz)				700	710	711					
10	QPSK	1	0	22.20	22.20	22.20	24	0	1.15	22.25	
10	QPSK	1	25	22.22	22.21	22.18	24	0	1.15	22.25	
10	QPSK	1	40	22.12	22.28	22.09	24	0	1.15	22.25	
10	QPSK	25	0	21.16	21.16	21.17	23	1	1.10	21.17	
10	QPSK	25	12	21.16	21.16	21.17	23	1	1.10	21.17	
10	QPSK	25	25	21.14	21.26	21.14	23	1	1.10	21.17	
10	16QAM	1	0	21.30	21.28	21.22	23	1	0.06	21.28	
10	16QAM	1	25	21.33	21.33	21.18	23	1	0.06	21.28	
10	16QAM	1	40	21.30	21.27	21.27	23	1	0.06	21.28	
10	16QAM	25	0	20.14	20.20	20.14	22	2	0.05	20.14	
10	16QAM	25	12	20.13	20.28	20.16	22	2	0.05	20.14	
10	16QAM	25	25	20.15	20.21	20.15	22	2	0.05	20.14	
10	16QAM	50	0	20.20	20.19	20.16	22	2	0.30	20.19	
10	16QAM	1	25	20.21	20.23	20.13	22	2	0.30	20.19	
10	16QAM	1	40	20.20	20.26	20.00	22	2	0.30	20.19	
10	16QAM	25	0	19.12	19.27	19.12	21	3	0.13	19.12	
10	16QAM	25	12	18.10	18.30	18.08	21	3	0.13	19.12	
10	16QAM	25	25	18.17	18.25	18.10	21	3	0.13	19.12	
10	16QAM	50	0	17.25	17.21	17.08	19	5	0.14	17.25	
10	16QAM	1	25	17.14	17.21	17.08	19	5	0.14	17.25	
10	16QAM	1	40	17.24	17.28	17.22	19	5	0.14	17.25	
10	16QAM	25	0	17.22	17.27	17.11	19	5	0.14	17.25	
10	16QAM	25	12	17.23	17.24	17.20	19	5	0.14	17.25	
10	16QAM	25	25	17.17	17.14	17.23	19	5	0.14	17.25	
10	16QAM	50	0	17.24	17.10	17.24	19	5	0.14	17.25	

Band 25_Ant 2											
BW [MHz]	Modulation	RF Band	RF Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Turn-on [dBm]	MPR (dB)			
Channel				2610	2610	2610					
Frequency (MHz)				1800	1800	1800					
20	QPSK	1	0	22.40	22.40	22.40	24	0			
20	QPSK	1	40	22.40	22.33	22.33	24	0			
20	QPSK	25	0	21.26	21.26	21.26	23	1			
20	QPSK	25	12	21.26	21.26	21.26	23	1			
20	QPSK	25	24	22.26	22.27	22.33	23	1			
20	16QAM	1	0	21.30	21.28	21.22	23	1			
20	16QAM	1	25	21.30	21.35	21.47	23	1			
20	16QAM	1	50	21.45	21.63	21.61	23	1			
20	16QAM	25	0	20.14	20.21	20.14	22	2			
20	16QAM	25	12	20.13	20.49	20.45	22	2			
20	16QAM	25	24	21.26	21.28	21.48	22	2			
20	16QAM	50	0	20.14	20.18	20.14	22	2			
20	16QAM	50	12	20.13	20.18	20.14	22	2			
20	16QAM	50	24	20.13	20.23	20.45	22	2			
20	16QAM	50	24	20.06	20.07	20.48	22	2			
20	16QAM	50	24	20.09	20.17	20.38	22	2			
20	16QAM	100	0	20.14	20.32	20.34	22	2			
20	16QAM	100	12	20.14	20.36	20.46	22	2			
20	16QAM	1	40	18.05	18.09	18.14	19	5			
20	25QAM	1	50	18.06	18.17	18.09	19	5			
20	25QAM	50	18	18.17	18.03	18.08	19	5			
20	25QAM	50	24	18.08	18.09	18.15	19	5			
20	25QAM	50	24	18.22	18.17	18.10	19	5			
20	25QAM	100	18	18.17	18.03	18.10	19	5			
Channel				2610	2610	2610					
Frequency (MHz)				1800	1800	1800					
15	QPSK	1	0	22.47	22.51	22.51	23	0			
15	QPSK	1	37	22.24	22.18	22.23	24	0			
15	QPSK	1	74	22.22	22.18	22.22	24	0			
15	QPSK	25	0	22.24	22.38	22.31	23	1			
15	QPSK	25	25	22.09	22.09	22.21	23	1			
15	QPSK	25	37	22.15	22.17	22.17	23	1			
15	QPSK	75	0	22.24	22.33	22.24	24	0			
15	16QAM	1	0	21.30	21.30	21.34	23	1			
15	16QAM	1	24	21.42	21.54	21.54	23	1			
15	16QAM	1	74	21.35	21.45	21.33	23	1			
15	16QAM	25	0	21.19	21.17	21.34	22	2			
15	16QAM	25	24	21.01	21.38	21.24	22	2			
15	16QAM	36	36	21.19	21.30	21.27	22	2			
15	16QAM	36	36	21.27	21.31	21.27	22	2			
15	16QAM	36	36	20.51	20.52	20.43	22	2			
15	16QAM	1	37	20.50	20.67	20.51	22	2			
15	16QAM	1	37	20.52	20.67	20.64	22	2			
15	16QAM	36	1	20.27	20.15	20.38	21	3			
15	16QAM	36	20	20.23	20.31	20.21	21	3			
15	16QAM	36	20	20.24	20.31	20.21	21	3			
15	16QAM	75	0	20.23	20.21	20.21	21	3			
15	25QAM	1	37	18.05	18.02	18.10	19	5			
15	25QAM	1	74	18.12	18.09	18.26	19	5			
15	25QAM	36	20	18.05	18.06	18.26	19	5			
15	25QAM	36	20	18.09	18.16	18.10	19	5			
15	25QAM	36	39	18.15	18.19	18.26	19	5			
15	25QAM	36	39	18.15	18.15	18.14	19	5			

Band 25_Ant 9												
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Mid Ch. Freq	Power High Ch. Freq	Tune-up (MHz)	MPE (dB)				
Channel							26340	26340	26600			
Frequency (MHz)							1800	1800	1000			
20	QPSK	1	0	22.67	22.66	22.65	24	0				
20	QPSK	1	40	22.60	22.59	22.62						
20	QPSK	1	96	22.41	22.55	22.63						
20	QPSK	25	0	21.50	21.57	21.71	23	1				
20	QPSK	50	0	21.53	21.51	21.68						
20	QPSK	100	0	21.85	21.72	21.88						
20	16QAM	1	0	21.76	21.88	21.92	23	1				
20	16QAM	1	40	21.85	21.91	21.80						
20	16QAM	1	96	21.88	21.91	21.88						
20	16QAM	50	0	20.58	20.92	20.70	22	2				
20	16QAM	50	24	20.51	20.87	20.70						
20	16QAM	50	50	20.57	20.66	20.71						
20	16QAM	100	0	20.58	20.63	20.68	22	2				
20	16QAM	1	0	20.78	20.71	20.84						
20	16QAM	1	40	20.77	20.86	20.70						
20	16QAM	1	96	20.77	20.92	20.80	21	3				
20	16QAM	50	0	19.80	19.59	19.87						
20	16QAM	50	24	19.52	19.99	19.74						
20	16QAM	50	50	19.51	19.74	19.94	19	5				
20	16QAM	100	0	19.58	19.84	19.88						
20	256QAM	1	0	17.35	17.48	17.51						
20	256QAM	1	40	17.34	17.58	17.41	19	5				
20	256QAM	1	96	17.44	17.53	17.45						
20	256QAM	50	0	17.38	17.55	17.42						
20	256QAM	50	24	17.35	17.58	17.50	19	5				
20	256QAM	50	50	17.50	17.57	17.54						
20	256QAM	100	0	17.35	17.48	17.37						
Channel							26340	26340	26600			
Frequency (MHz)							1800.5	1800	1007.5			
15	QPSK	1	0	22.63	22.62	22.54	24	0				
15	QPSK	1	32	22.47	22.52	22.58						
15	QPSK	1	74	22.23	22.42	22.43						
15	QPSK	36	0	21.52	21.61	21.60	23	1				
15	QPSK	36	20	21.40	21.55	21.60						
15	QPSK	36	36	21.46	21.59	21.58						
15	QPSK	75	0	21.52	21.54	21.53	23	1				
15	16QAM	1	0	21.67	21.79	21.86						
15	16QAM	1	32	21.62	21.75	21.71						
15	16QAM	1	74	21.72	21.89	21.70	22	2				
15	16QAM	36	0	20.46	20.47	20.60						
15	16QAM	36	20	20.46	20.51	20.57						
15	16QAM	36	36	20.53	20.54	20.60	21	3				
15	16QAM	75	0	20.51	20.52	20.50						
15	16QAM	1	0	20.59	20.67	20.81						
15	16QAM	1	32	20.75	20.59	20.53	19	5				
15	16QAM	1	74	20.59	20.47	20.68						
15	16QAM	36	0	19.46	19.50	19.66						
15	16QAM	36	20	19.37	19.49	19.50	19	5				
15	16QAM	36	36	19.35	19.54	19.50						
15	16QAM	75	0	19.44	19.58	19.65						
15	256QAM	1	0	17.36	17.48	17.45	19	5				
15	256QAM	1	32	17.47	17.45	17.47						
15	256QAM	1	74	17.51	17.46	17.45						
15	256QAM	36	0	17.43	17.49	17.54	19	5				
15	256QAM	36	20	17.33	17.56	17.52						
15	256QAM	36	36	17.34	17.47	17.41						
15	256QAM	75	0	17.37	17.43	17.37	20	0				
15	256QAM	1	0	22.49	22.54	22.46						
15	QPSK	1	20	22.48	22.39	22.50						
15	QPSK	1	40	22.33	22.35	22.53	23	1				
15	QPSK	25	0	21.49	21.62	21.62						
15	QPSK	25	12	21.38	21.42	21.61						
15	QPSK	25	24	21.39	21.37	21.54	23	1				
15	QPSK	50	0	21.58	21.58	21.61						
15	16QAM	1	0	21.69	21.77	21.76						
15	16QAM	1	20	21.81	21.80	21.82	22	2				
15	16QAM	1	40	21.80	21.90	21.74						
15	16QAM	25	0	20.57	20.59	20.64						
15	16QAM	25	12	20.42	20.60	20.53	22	2				
15	16QAM	25	25	20.38	20.49	20.58						
15	16QAM	50	0	20.54	20.52	20.52						
15	16QAM	1	0	20.65	20.54	20.70	21	3				
15	16QAM	1	20	20.67	20.51	20.56						
15	16QAM	1	40	20.67	20.61	20.64						
15	16QAM	25	0	19.43	19.47	19.66	19	5				
15	16QAM	25	12	19.44	19.65	19.55						
15	16QAM	25	25	19.33	19.58	19.52						
15	16QAM	50	0	19.49	19.49	19.60	19	5				
15	256QAM	1	0	17.33	17.40	17.33						
15	256QAM	1	20	17.38	17.51	17.39						
15	256QAM	1	40	17.41	17.54	17.45	19	5				
15	256QAM	25	0	17.37	17.52	17.56						
15	256QAM	25	12	17.45	17.57	17.38						
15	256QAM	25	25	17.41	17.46	17.37	20	0				
15	256QAM	50	0	17.50	17.57	17.51						
15	256QAM	1	0	22.49	22.54	22.46	24	0				
15	QPSK	1	0	22.63	22.62	22.63						
15	QPSK	1	12	22.44	22.44	22.60						
15	QPSK	1	24	22.29	22.46	22.55	23	1				
15	QPSK	12	0	21.56	21.65	21.72						
15	QPSK	12	7	21.26	21.45	21.65						
15	QPSK	12	13	21.40	21.48	21.51	23	1				
15	QPSK	25	0	21.55	21.58	21.48						
15	16QAM	1	0	21.73	21.82	21.90						
15	16QAM	1	12	21.78	21.71	21.80	23	1				
15	16QAM	1	24	21.71	21.79	21.81						
15	16QAM	12	0	20.48	20.49	20.62						
15	16QAM	12	7	20.38	20.55	20.64	22	2				
15	16QAM	12	13	20.42	20.53	20.62						
15	16QAM	25	0	20.50	20.52	20.52						
15	16QAM	1	0	20.74	20.68	20.72	22	2				
15	16QAM	1	12	20.66	20.64	20.68						
15	16QAM	1	24	20.67	20.61	20.64						
15	16QAM	12	0	19.52	19.53	19.63	21	3				
15	16QAM	12	13	19.52	19.58	19.67						
15	16QAM	25	0	19.54	19.50	19.62						
15	16QAM	1	0	17.48	17.48	17.48	19	5				
15	16QAM	1	12	17.39	17.42	17.49						
15	16QAM	1	24	17.41	17.48	17.48						
15	16QAM	12	0	17.42	17.57	17.38	19	5				
15	16QAM	12	7	17.48	17.45	17.36						
15	16QAM	12	13	17.48	17.48	17.36						
15	16QAM	25	0	17.48	17.48	17.38	20	0				
15	256QAM	1	0	22.49	22.54	22.46						
Channel							26340.5	26340	26615			
Frequency (MHz)							1800.7	1800	1007.5			
14	QPSK	1	0	22.66	22.65	22.63	24	0				
14	QPSK	1	8	22.61	22.54	22.68						
14	QPSK	1	20	22.40	22.50	22.62						
14	QPSK	8	0	21.69	21.59	21.61	23	1				
14	QPSK	8	8	21.62	21.62	21.61						
14	QPSK	8	7	21.51	21.50	21.54						
14	QPSK	15	0	21.47	21.63	21.58	23	1				
14	16QAM	1	0	21.70	21.82	21.78						
14	16QAM	1	8	21.79	21.82	21.79						
14	16QAM	1	14	21.81	21.86	21.84	23	1				
14	16QAM	15	0	20.48	20.48	20.61						
14	16QAM	8	0	20.43	20.55	20.65						
14	16QAM	8	8	20.43	20.55	20.65	22	2				
14	16QAM	15	0	20.40	20.48	20.53						
14	16QAM	1	0	20.71	20.66	20.65						
14	16QAM	1	8	20.71	20.66	20.65	22	2				
14	16QAM	15	0	20.40	20.54	20.57						
14	16QAM	8	0	19.51	19.40	19.50						
14	16QAM	8	8	19.41	19.57	19.56	21	3				
14	16QAM	15	0	19.44	19.44	19.57						
14	16QAM	1	0	17.45	17.61	17.38						
14	256QAM	1	0	17.41	17.68	17.51	19	5				
14	256QAM	1	8	17.42	17.57	17.47						
14	256QAM	1	14	17.41	17.47	17.47						
14	256QAM	8	0	17.38	17.48	17.44	19	5				
14	256QAM	8	8	17.43	17.47	17.48						
14	256QAM	8	7	17.35	17.50	17.46						
14	256QAM	15	0	17.50	17.67	17.36	20	0				
14	256QAM	1	0	22.49	22.54	22.46						
Channel							26340.5	26340	26615			
Frequency (MHz)							1800.7	1800	1007.5			
14	QPSK	1	0	22.66	22.65	22.63	24	0				
14	QPSK	1	8	22.61	22.54	22.68						
14	QPSK	1	20	22.40	22.50	22.62						
14	QPSK	8	0	21.69	21.59	21.61	23	1				
14	QPSK	8	8	21.62	21.62	21.61						
14	QPSK	8	7	21.51	21.50	21.54						
14	QPSK	15	0	21.47	21.63	21.58	23	1				
14	16QAM	1	0	21.70	21.82	21.78						
14	16QAM	1	8	21.79	21.82	21.79						
14	16QAM	1	14	21.81	21.86	21.84	23	1				
14	16QAM	15	0	20.48	20.48	20.61						
14	16QAM	8	0	20.43	20.55	20.65						
14	16QAM	8	8	20.43	20.55	20.65	22	2				
14	16QAM	15	0	20.40	20.48	20.53						
14	16QAM	1	0									

Band 25_Ant 1										
RF/MHz	Module	RB Size	RB Offset	Power / Chk / Freq	Power / Chk / Freq	Power / Chk / Freq	Time-slot (slot)	MPR (dB)		
Channel				26145	26140	26050				
Frequency (MHz)										
20	QPRK	1	0	21.25	21.45	21.45				
20	QPRK	1	46	22.18	22.25	22.25	24	0		
20	QPRK	1	22	21.25	21.45	21.45				
20	QPRK	50	0	21.25	21.25	21.25				
20	QPRK	50	24	21.67	21.20	21.18	23	1		
20	QPRK	100	0	21.17	21.20	21.18				
20	QPRK	100	0	21.17	21.20	21.18				
20	HQAM	1	46	21.48	21.40	21.35	23	1		
20	HQAM	1	99	21.45	21.37	21.34				
20	HQAM	50	0	20.20	20.20	20.18				
20	HQAM	50	24	20.12	20.25	20.18	22	2		
20	HQAM	100	0	20.10	20.20	20.18				
20	HQAM	100	0	20.10	20.20	20.18				
20	HQAM	1	0	20.34	20.22	20.28	22	2		
20	HQAM	1	99	20.34	20.27	20.28				
20	HQAM	50	12	18.18	18.20	18.20				
20	HQAM	50	24	18.21	18.20	18.20	21	3		
20	HQAM	50	90	18.13	19.25	19.25				
20	HQAM	100	0	18.08	18.20	18.20				
20	HQAM	1	0	17.13	17.25	17.25				
20	HQAM	1	46	17.27	17.14	17.11	19	5		
20	HQAM	50	0	17.14	17.28	17.28				
20	HQAM	50	24	17.19	17.24	17.20	19	5		
20	HQAM	100	0	17.17	17.40	17.40				
20	HQAM	100	0	17.14	17.19	17.15				
Channel				18675	18670	18675	Time-slot (slot)	MPR (dB)		
15	QPRK	1	0	22.12	22.08	22.11				
15	QPRK	1	74	22.12	22.11	22.11	24	0		
15	QPRK	1	22	22.12	22.11	22.11				
15	QPRK	36	0	21.84	21.84	21.82				
15	QPRK	36	24	21.82	21.84	21.82	23	1		
15	QPRK	36	99	21.81	21.87	21.87				
15	QPRK	78	0	21.87	21.86	21.81				
15	HQAM	1	37	21.32	21.33	21.38	23	1		
15	HQAM	1	99	21.33	21.33	21.38				
15	HQAM	36	0	20.21	20.08	20.18				
15	HQAM	36	20	20.21	20.08	20.08	22	2		
15	HQAM	36	24	20.21	20.08	20.08				
15	HQAM	78	0	20.13	20.15	20.17				
15	HQAM	1	97	20.20	20.05	20.14	22	2		
15	HQAM	1	99	20.20	20.05	20.14				
15	HQAM	36	20	20.17	20.15	20.18				
15	HQAM	36	20	20.15	20.15	20.15	21	3		
15	HQAM	36	20	19.18	19.12	19.10				
15	HQAM	36	99	19.08	19.13	19.08				
15	HQAM	78	0	19.07	19.07	19.07				
15	HQAM	1	0	17.21	17.22	17.28				
15	HQAM	1	46	17.22	17.22	17.28	19	5		
15	HQAM	1	74	17.24	17.23	17.25				
15	HQAM	36	0	17.16	17.15	17.14				
15	HQAM	36	24	17.21	17.21	17.21				
15	HQAM	36	99	17.20	17.21	17.13				
15	HQAM	78	0	17.23	17.24	17.25	Time-slot (slot)	MPR (dB)		
Frequency (MHz)										
10	QPRK	1	0	22.15	22.18	22.15				
10	QPRK	1	74	22.15	22.18	22.18	24	0		
10	QPRK	1	40	22.14	22.09	22.20				
10	QPRK	1	22	22.14	22.09	22.20				
10	QPRK	25	12	21.11	21.02	21.18				
10	QPRK	25	26	21.13	21.14	21.54				
10	QPRK	25	26	21.07	21.13	21.54				
10	HQAM	1	0	21.16	21.20	21.18				
10	HQAM	1	24	21.29	21.38	21.31				
10	HQAM	1	99	21.34	21.38	21.31				
10	HQAM	25	0	20.18	20.24	20.23				
10	HQAM	25	12	20.18	20.24	20.23	22	2		
10	HQAM	25	26	20.14	20.10	20.10				
10	HQAM	25	26	20.15	20.03	20.10				
10	HQAM	50	0	20.17	20.18	20.18				
10	HQAM	50	12	20.08	20.06	20.15				
10	HQAM	50	26	19.03	19.19	19.20				
10	HQAM	25	12	19.08	19.07	19.10	21	3		
10	HQAM	25	12	19.08	19.07	19.10				
10	HQAM	50	0	18.18	18.20	18.20				
10	HQAM	50	0	18.05	18.23	18.25				
10	HQAM	1	24	17.18	17.22	17.18				
10	HQAM	1	99	17.18	17.24	17.14	19	5		
10	HQAM	25	12	17.22	17.22	17.22				
10	HQAM	25	26	17.22	17.14	17.25	19	5		
10	HQAM	25	26	17.12	17.13	17.17				
10	HQAM	25	26	17.29	17.29	17.29				
Channel				26050	26045	26050	Time-slot (slot)	MPR (dB)		
5	QPRK	1	0	22.15	22.24	22.24				
5	QPRK	1	12	22.20	22.08	22.07	24	0		
5	QPRK	1	24	22.20	22.19	22.19				
5	QPRK	1	22	22.15	22.03	22.03				
5	QPRK	12	7	21.83	21.62	21.64	23	1		
5	QPRK	8	0	21.83	21.62	21.64				
5	QPRK	25	0	21.13	21.08	21.07				
5	HQAM	1	0	21.22	21.28	21.28				
5	HQAM	1	24	21.29	21.34	21.32				
5	HQAM	1	99	21.34	21.34	21.32				
5	HQAM	12	13	20.11	20.08	20.08	22	2		
5	HQAM	12	13	20.23	20.11	20.11				
5	HQAM	1	0	20.15	20.08	20.06				
5	HQAM	1	12	20.09	20.04	20.01	22	2		
5	HQAM	1	24	20.08	20.04	20.01				
5	HQAM	12	0	19.12	19.03	19.01				
5	HQAM	12	13	19.12	19.03	19.01	21	3		
5	HQAM	25	0	18.21	18.22	18.22				
5	HQAM	25	0	18.21	18.22	18.22				
5	HQAM	1	12	17.13	17.14	17.13	19	5		
5	HQAM	12	24	17.28	17.22	17.18				
5	HQAM	12	7	17.27	17.27	17.18				
5	HQAM	12	7	17.15	17.19	17.28	19	5		
5	HQAM	12	7	17.15	17.19	17.28				
5	HQAM	25	0	17.21	17.11	17.13				
5	HQAM	25	0	17.21	17.11	17.13				
Channel				26050	26045	26050	Time-slot (slot)	MPR (dB)		
Frequency (MHz)										
3	QPRK	1	0	22.18	22.12	22.20				
3	QPRK	1	6	22.22	22.07	22.22	24	0		
3	QPRK	1	6	22.22	22.07	22.22				
3	QPRK	8	0	21.07	21.20	21.04				
3	QPRK	8	0	21.07	21.20	21.04	23	1		
3	HQAM	1	0	21.17	21.07	21.15				
3	HQAM	15	0	21.80	21.88	21.65	23	1		
3	HQAM	1	6	21.80	21.88	21.65				
3	HQAM	1	6	21.83	21.81	21.34	23	1		
3	HQAM	1	14	21.20	21.31	21.36				
3	HQAM	1	24	21.28	21.31	21.36				
3	HQAM	8	4	20.14	20.11	20.09	22	2		
3	HQAM	8	4	20.14	20.11	20.09				
3	HQAM	15	18	20.16	20.07	20.10				
3	HQAM	1	0	20.18	20.11	20.09				
3	HQAM	8	16	19.13	19.01	19.01	22	2		
3	HQAM	8	16	19.13	19.01	19.01				
3	HQAM	8	7	18.14	18.09	18.08	21	3		
3	HQAM	8	7	18.14	18.09	18.08				
3	HQAM	1	0	17.24	17.24	17.25				
3	HQAM	1	6	17.12	17.24	17.30	19	5		
3	HQAM	1	6	17.12	17.24	17.30				
3	HQAM	8	0	17.15	17.14	17.17				
3	HQAM	8	0	17.15	17.14	17.17	19	5		
3	HQAM	15	0	17.17	17.11	17.18				
3	HQAM	15	0	17.15	17.27	17.18				
Channel				18672	18670	18673	Time-slot (slot)	MPR (dB)		
Frequency (MHz)										
1.4	QPRK	1	0	22.11	22.12	22.16				
1.4	QPRK	1	6	22.11	22.12	22.16	24	0		
1.4	QPRK	1	6	22.12	22.08	22.20				
1.4	QPRK	3	0	22.20	22.19	22.21				
1.4	QPRK	3	6	22.14	22.12	22.15				
1.4	QPRK	3	6	22.11	22.23	22.19	23	1		
1.4	HQAM	1	0	21.08	21.08	21.09				
1.4	HQAM	1	6	21.07	21.01	21.01				
1.4	HQAM	1	6	21.30	21.31	21.38	23	1		
1.4	HQAM	1	14	21.28	21.34	21.35				
1.4	HQAM	3	0	21.25	21.21	21.21				
1.4	HQAM	3	6	21.20	21.22	21.26				
1.4	HQAM	3	6	21.17	21.17	21.25				
1.4	HQAM	6	0	20.13	20.14	20.20	22	2		
1.4	HQAM	6	0	20.13	20.14	20.20				
1.4	HQAM	1	0	20.06	20.09	20.11				
1.4	HQAM	1	6	20.11	20.01	20.01	22	2		
1.4	HQAM	3	0	20.17	20.13	20.09				
1.4	HQAM	3	0	20.17	20.13	20.09				
1.4	HQAM	1	0	19.26	19.26	19.17	21	3		

Band 26(FCC)_Ant 0										
BAW Modulation	RB Sub	RB Offset	Power Fwd (dBm)	Power Fwd (dBm)	Power Fwd (dBm)	Transmit Power (dBm)	MPR (dB)			
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.05	22.15	22.05				
16	QPSK	1	37	22.07	22.10	22.08	24	0		
16	QPSK	1	74	22.09	22.12	22.10				
16	QPSK	36	0	21.22	21.26	21.24				
16	QPSK	36	20	21.21	21.24	21.21	23	1		
16	QPSK	36	40	21.23	21.26	21.23				
16	QPSK	75	0	21.14	21.18	21.07				
16	QPSK	75	20	21.15	21.18	21.15	23	1		
16	QPSK	75	37	21.15	21.20	21.16				
16	QPSK	1	74	21.40	21.50	21.45				
16	QPSK	36	0	20.10	20.15	20.08				
16	QPSK	36	20	20.10	20.17	20.08	22	2		
16	QPSK	36	40	20.17	20.06	20.04				
16	QPSK	75	0	20.07	20.10	20.07				
16	QPSK	75	20	20.24	20.10	20.02				
16	QPSK	75	37	20.14	20.15	20.14	23	1		
16	QPSK	1	74	20.14	20.25	20.15				
16	QPSK	36	0	19.24	19.15	19.07				
16	QPSK	36	20	19.23	19.27	19.20	21	3		
16	QPSK	36	39	19.18	19.07	18.97				
16	QPSK	75	0	19.20	19.11	19.10				
16	QPSK	75	20	17.21	17.41	17.30				
16	QPSK	75	37	17.23	17.47	17.19				
16	QPSK	1	74	17.23	17.46	17.34				
16	QPSK	36	0	17.23	17.40	17.28				
16	QPSK	36	20	17.27	17.24	17.24	19	5		
16	QPSK	36	39	17.43	17.43	17.43				
16	QPSK	75	0	17.26	17.39	17.18				
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.27	22.28	22.28				
16	QPSK	1	25	22.23	22.16	22.13	24	0		
16	QPSK	1	49	22.19	22.19	22.19				
16	QPSK	25	0	21.27	21.30	21.17				
16	QPSK	25	12	21.28	21.32	21.25	23	1		
16	QPSK	25	25	21.33	21.25	21.09				
16	QPSK	50	0	21.32	21.31	21.16				
16	QPSK	50	12	21.33	21.37	21.24	23	1		
16	QPSK	50	25	21.47	21.37	21.24				
16	QPSK	1	49	21.54	21.40	21.41				
16	QPSK	25	0	20.33	20.31	20.27				
16	QPSK	25	12	20.38	20.31	20.24	22	2		
16	QPSK	25	25	20.38	20.31	20.24				
16	QPSK	50	0	20.33	20.31	20.29				
16	QPSK	50	12	20.38	20.29	20.16	22	2		
16	QPSK	50	25	20.38	20.29	20.16				
16	QPSK	1	49	20.25	20.00	20.00				
16	QPSK	25	0	19.35	19.32	19.12				
16	QPSK	25	12	19.35	19.32	19.12	21	3		
16	QPSK	25	25	19.38	19.14	19.21				
16	QPSK	50	0	19.35	19.32	19.12				

Band 26(FCC)_Ant 1												
RF (MHz)	Modulation	RB Size	RB Offset	Ch Power (Frac)	Ch Power (Frac)	Ch Power (Frac)	Ch Power (Frac)	Time-slot (ms)	SPTS (dB)			
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.06	22.06	22.06	22.06					
15	QPSK	1	37	22.08	22.08	22.08	22.08	24	0			
15	QPSK	1	74	22.10	22.10	22.10	22.10					
15	QPSK	36	1	21.23	21.23	21.23	21.23					
15	QPSK	36	20	21.28	21.28	21.28	21.28	23	1			
15	QPSK	36	21	21.29	21.29	21.29	21.29					
15	QPSK	72	0	21.38	21.38	21.38	21.38					
15	QPSK	72	37	21.40	21.40	21.40	21.40	23	1			
15	QPSK	72	74	21.42	21.42	21.42	21.42					
15	16QAM	1	0	20.26	20.26	20.26	20.26	22	2			
15	16QAM	1	74	21.38	21.38	21.38	21.38					
15	16QAM	36	0	19.18	19.18	19.20	19.20					
15	16QAM	36	20	19.17	19.17	19.20	19.20	21	3			
15	16QAM	36	21	19.18	19.18	19.20	19.20					
15	16QAM	72	0	19.17	19.18	19.20	19.20					
15	16QAM	72	37	19.19	19.19	19.20	19.20					
15	16QAM	72	74	19.21	19.21	19.22	19.22					
15	256QAM	1	37	17.32	17.32	17.31	17.31	19	5			
15	256QAM	1	74	17.33	17.33	17.32	17.32					
15	256QAM	36	0	17.21	17.23	17.25	17.25					
15	256QAM	36	20	17.31	17.35	17.30	17.30	19	5			
15	256QAM	36	21	17.32	17.36	17.31	17.31					
15	256QAM	72	0	17.18	17.22	17.21	17.21					
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.06	22.06	22.06	22.06					
10	QPSK	1	25	22.21	22.21	22.21	22.21					
10	QPSK	1	50	22.26	22.26	22.26	22.26	24	0			
10	QPSK	25	0	21.67	21.69	21.69	21.69					
10	QPSK	25	12	21.70	21.71	21.71	21.71					
10	QPSK	25	25	21.73	21.73	21.73	21.73	23	1			
10	QPSK	50	0	21.83	21.89	21.89	21.89					
10	QPSK	50	25	21.92	21.97	21.97	21.97					
10	16QAM	1	25	21.29	21.35	21.35	21.35	23	1			
10	16QAM	1	49	21.31	21.39	21.39	21.39					
10	16QAM	25	0	20.17	20.18	20.18	20.18					
10	16QAM	25	12	20.20	20.15	20.14	20.14					
10	16QAM	25	12	20.17	20.15	20.14	20.14					
10	16QAM	25	25	20.17	20.15	20.14	20.14	19	5			
10	16QAM	50	0	20.07	20.00	20.00	20.00					
10	16QAM	50	25	20.08	20.00	20.00	20.00					
10	16QAM	1	0	19.16	19.16	19.20	19.20	22	2			
10	16QAM	1	25	19.17	19.17	19.20	19.20					
10	16QAM	25	0	19.16	19.16	19.20	19.20	21	3			
10	16QAM	25	25	19.18	19.09	19.08	19.08					
10	256QAM	1	37	17.32	17.32	17.31	17.31	19	5			
10	256QAM	1	74	17.33	17.33	17.32	17.32					
10	256QAM	36	0	17.21	17.23	17.25	17.25					
10	256QAM	36	20	17.31	17.35	17.30	17.30	19	5			
10	256QAM	36	21	17.32	17.36	17.31	17.31					
10	256QAM	72	0	17.18	17.22	17.21	17.21					
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.06	22.06	22.06	22.06					
5	QPSK	1	25	22.21	22.21	22.21	22.21					
5	QPSK	1	50	22.26	22.26	22.26	22.26	24	0			
5	QPSK	12	0	21.14	21.22	21.28	21.28					
5	QPSK	12	0	21.14	21.22	21.28	21.28					
5	QPSK	12	12	21.15	21.23	21.29	21.29	23	1			
5	QPSK	12	13	21.16	21.24	21.30	21.30					
5	QPSK	25	0	21.12	21.18	21.28	21.28					
5	16QAM	1	25	21.16	21.26	21.30	21.30	23	1			
5	16QAM	1	12	21.20	21.13	21.23	21.23					
5	16QAM	1	24	21.21	21.16	21.25	21.25					
5	16QAM	12	0	20.22	20.12	20.13	20.13	23	1			
5	16QAM	12	7	20.11	20.22	20.30	20.30					
5	16QAM	12	13	20.13	20.23	20.31	20.31	22	2			
5	16QAM	25	0	20.13	20.13	20.17	20.17					
5	16QAM	25	0	20.08	20.11	20.13	20.13					
5	16QAM	1	0	20.18	20.06	20.42	20.42					
5	16QAM	1	25	20.18	20.06	20.45	20.45					
5	16QAM	1	24	20.14	20.29	20.16	20.16					
5	16QAM	12	13	20.19	20.19	20.20	20.20					
5	16QAM	12	7	19.13	19.02	19.18	19.18	21	3			
5	16QAM	12	13	19.17	19.16	19.13	19.13					
5	16QAM	25	0	19.10	19.10	19.10	19.10					
5	256QAM	1	0	17.21	17.23	17.38	17.38					
5	256QAM	1	24	17.22	17.25	17.21	17.21	19	5			
5	256QAM	12	0	17.32	17.28	17.24	17.24					
5	256QAM	12	13	17.32	17.28	17.24	17.24					
5	256QAM	12	13	17.26	17.27	17.24	17.24	19	5			
5	256QAM	25	0	17.15	17.06	17.27	17.27					
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.06	22.06	22.06	22.06					
3	QPSK	1	37	22.08	22.08	22.08	22.08	24	0			
3	QPSK	1	74	22.10	22.10	22.10	22.10					
3	QPSK	8	0	21.13	21.11	21.21	21.21					
3	QPSK	8	0	21.13	21.11	21.21	21.21					
3	QPSK	8	7	21.15	21.19	21.08	21.08	23	1			
3	QPSK	8	7	21.15	21.19	21.08	21.08					
3	16QAM	1	5	21.13	21.23	21.28	21.28					
3	16QAM	1	8	21.13	21.20	21.20	21.20					
3	16QAM	1	21	21.13	21.13	21.13	21.13	23	1			
3	16QAM	8	0	20.21	20.13	20.16	20.16					
3	16QAM	8	4	20.08	20.16	20.13	20.13	22	2			
3	16QAM	8	20	20.08	20.17	20.13	20.13					
3	16QAM	16	0	20.18	20.07	20.06	20.06					
3	16QAM	16	0	20.09	20.06	20.06	20.06	22	2			
3	16QAM	16	8	20.12	20.04	20.16	20.16					
3	16QAM	16	14	20.13	20.04	20.16	20.16					
3	16QAM	8	18	19.11	19.18	19.13	19.13	21	3			
3	16QAM	8	4	19.15	19.07	19.18	19.18					
3	16QAM	8	18	19.15	19.07	19.18	19.18					
3	16QAM	16	0	19.04	19.10	19.20	19.20					
3	256QAM	1	0	17.31	17.38	17.38	17.38	19	5			
3	256QAM	1	37	17.32	17.32	17.32	17.32					
3	256QAM	8	0	17.16	17.30	17.22	17.22					
3	256QAM	8	37	17.29	17.29	17.29	17.29					
3	256QAM	8	7	17.24	17.28	17.24	17.24	19	5			
3	256QAM	8	7	17.24	17.28	17.24	17.24					
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.06	22.06	22.06	22.06					
1.4	QPSK	1	37	22.08	22.08	22.08	22.08	24	0			
1.4	QPSK	1	74	22.10	22.10	22.10	22.10					
1.4	QPSK	36	1	21.23	21.23	21.23	21.23					
1.4	QPSK	36	20	21.28	21.28	21.28	21.28	23	1			
1.4	QPSK	36	21	21.29	21.29	21.29	21.29					
1.4	QPSK	72	0	21.38	21.38	21.38	21.38					
1.4	QPSK	72	37	21.40	21.40	21.40	21.40	23	1			
1.4	QPSK	72	74	21.42	21.42	21.42	21.42					
1.4	16QAM	1	0	20.26	20.26	20.26	20.26	22	2			
1.4	16QAM	1	74	21.38	21.38	21.38	21.38					
1.4	16QAM	36	0	19.18	19.18	19.20	19.20					
1.4	16QAM	36	20	19.17	19.17	19.20	19.20	21	3			
1.4	16QAM	36	21	19.18	19.18	19.20	19.20					
1.4	16QAM	72	0	19.17	19.18	19.20	19.20					
1.4	16QAM	72	37	19.19	19.19	19.20	19.20					
1.4	16QAM	72	74	19.21	19.21	19.22	19.22					
1.4	256QAM	1	37	17.32	17.32	17.31	17.31	19	5			
1.4	256QAM	1	74	17.33	17.33	17.32	17.32					
1.4	256QAM	36	0	17.21	17.23	17.25	17.25					
1.4	256QAM	36	20	17.31	17.35	17.30	17.30	19	5			
1.4	256QAM	36	21	17.32	17.36	17.31	17.31					
1.4	256QAM	72	0	17.18	17.22	17.21	17.21					

Band 30_Ant 2									
RF [MHz]	Modulation	RB Size	RF Offset	Power Level [Ch./Frac.]	Power Level [Ch./Frac.]	Power Level [Ch./Frac.]	Time-use (min)	MPE (dB)	
27750									
Frequency (MHz)									
10	QPSK	1	0	22.20	22.20	22.20	24	0	
10	QPSK	1	25	22.20	22.20	22.20			
10	QPSK	1	49	22.20	22.20	22.20			
10	QPSK	25	0	21.98	21.98	21.98			
10	QPSK	25	12	21.98	21.98	21.98	23	1	
10	QPSK	25	25	21.97	21.97	21.97			
10	QPSK	50	0	21.38	21.38	21.38			
10	16QAM	1	0	21.20	21.20	21.20			
10	16QAM	1	25	21.24	21.24	21.24	23	1	
10	16QAM	1	49	21.25	21.25	21.25			
10	16QAM	25	0	20.96	20.96	20.96			
10	16QAM	25	12	20.94	20.94	20.94			
10	16QAM	25	25	20.98	20.98	20.98	22	2	
10	16QAM	50	0	20.86	20.86	20.86			
10	64QAM	1	0	20.54	20.54	20.54			
10	64QAM	1	25	20.50	20.50	20.50			
10	64QAM	1	49	20.51	20.51	20.51	21	3	
10	64QAM	25	0	19.34	19.34	19.34			
10	64QAM	25	12	19.40	19.40	19.40			
10	64QAM	25	25	19.25	19.25	19.25			
10	64QAM	50	0	18.41	18.41	18.41	19	5	
10	256QAM	1	0	17.34	17.34	17.34			
10	256QAM	1	25	17.25	17.25	17.25			
10	256QAM	1	49	17.38	17.38	17.38			
10	256QAM	25	0	16.95	16.95	16.95	19	5	
10	256QAM	25	12	17.31	17.31	17.31			
10	256QAM	25	25	17.22	17.22	17.22			
10	256QAM	50	0	15.97	15.97	15.97			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.20	22.20	22.20	24	0	
5	QPSK	1	12	22.25	22.25	22.25			
5	QPSK	1	24	22.28	22.28	22.28			
5	QPSK	12	0	21.97	21.97	21.97			
5	QPSK	12	7	21.97	21.97	21.97	23	1	
5	QPSK	12	14	21.97	21.97	21.97			
5	QPSK	25	0	21.18	21.17	21.17			
5	16QAM	1	0	21.06	21.15	21.17			
5	16QAM	1	1	21.13	21.15	21.21	23	1	
5	16QAM	1	24	21.15	21.25	21.21			
5	16QAM	12	0	20.23	20.26	20.38			
5	16QAM	12	7	20.20	20.20	20.31			
5	16QAM	12	14	20.30	20.33	20.25	22	2	
5	16QAM	25	0	19.35	19.35	19.35			
5	64QAM	1	0	20.375	20.69	20.26	22	2	
5	64QAM	1	12	20.690	20.667	20.693			
5	64QAM	1	24	20.684	20.684	20.732			
5	64QAM	12	0	19.227	19.31	19.19			
5	64QAM	12	7	19.28	19.24	19.23	21	3	
5	64QAM	12	14	19.39	19.35	19.21			
5	64QAM	25	0	18.263	19.26	18.23			
5	64QAM	25	12	18.263	18.263	18.263			
5	256QAM	1	12	17.15	17.08	17.07	19	5	
5	256QAM	1	24	17.286	17.04	17.32			
5	256QAM	12	0	15.227	15.18	15.18			
5	256QAM	12	7	17.18	17.11	17.12			
5	256QAM	12	14	17.32	17.11	17.16	19	5	
5	256QAM	12	25	17.18	17.11	17.18			

Band 30_Ant 1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power (mW) Ch 1 (Frac.)	Power (mW) Ch 2 (Frac.)	Power (mW) Ch 3 (Frac.)	Transmit Rate (dBm)	MPE (dB)	
Channel				27735					
Frequency (MHz)									
10	QPSK	0	0	22.49	22.49	22.49	24	0	
10	QPSK	1	26	22.34	22.34	22.34			
10	QPSK	1	49	22.30	22.30	22.30			
10	QPSK	20	21	22.21	22.21	22.21			
10	QPSK	26	12	21.20	21.20	21.20	23	1	
10	QPSK	26	12	21.20	21.20	21.20			
10	QPSK	50	0	21.20	21.20	21.20			
10	QPSK	1	0	21.41	21.41	21.41			
10	QPSK	1	26	21.30	21.30	21.30	23	1	
10	QPSK	1	49	21.29	21.29	21.29			
10	QPSK	20	0	20.25	20.25	20.25			
10	QPSK	26	0	20.25	20.25	20.25	22	2	
10	QPSK	26	26	20.21	20.21	20.21			
10	QPSK	50	0	20.21	20.21	20.21			
10	QPSK	1	0	20.26	20.26	20.26			
10	QPSK	1	26	20.23	20.23	20.23	22	2	
10	QPSK	1	49	20.23	20.23	20.23			
10	QPSK	20	0	19.27	19.27	19.27			
10	QPSK	26	12	19.42	19.42	19.42	21	3	
10	QPSK	26	12	19.42	19.42	19.42			
10	QPSK	50	0	19.28	19.28	19.28			
10	QPSK	1	0	17.56	17.56	17.56	19	5	
10	QPSK	1	26	17.10	17.10	17.10			
10	QPSK	1	49	17.16	17.16	17.16			
10	QPSK	20	0	17.07	17.07	17.07	19	5	
10	QPSK	26	26	17.24	17.24	17.24			
10	QPSK	50	0	17.24	17.24	17.24			
Channel				27866 27735 27735					
Frequency (MHz)									
5	QPSK	0	0	22.36	22.34	22.48	24	0	
5	QPSK	1	12	22.16	22.29	22.23			
5	QPSK	1	24	22.23	22.29	22.28			
5	QPSK	1	49	21.82	21.82	21.83			
5	QPSK	12	7	21.02	21.08	21.12	23	1	
5	QPSK	12	7	21.03	21.07	21.11			
5	QPSK	26	0	21.06	21.08	21.17			
5	QPSK	26	0	21.07	21.09	21.17			
5	QPSK	1	0	21.37	21.28	21.37	23	1	
5	QPSK	1	26	21.27	21.29	21.32			
5	QPSK	1	49	21.28	21.27	21.31			
5	QPSK	1	24	21.28	21.21	21.11			
5	QPSK	12	0	20.06	20.07	20.11			
5	QPSK	12	0	20.19	20.20	20.20	22	2	
5	QPSK	12	18	20.19	20.03	20.17			
5	QPSK	26	0	20.19	20.19	20.19			
5	QPSK	26	0	20.10	20.05	20.08			
5	QPSK	50	0	20.10	20.10	20.10			
5	QPSK	1	12	19.19	19.19	19.17	22	2	
5	QPSK	1	26	19.20	19.20	19.20			
5	QPSK	12	7	18.05	18.02	18.08	21	3	
5	QPSK	12	7	18.22	18.22	18.07			
5	QPSK	26	0	19.11	19.16	19.27			
5	QPSK	1	0	17.44	17.44	17.44			
5	QPSK	1	12	17.45	17.45	17.45	19	5	
5	QPSK	1	26	17.46	17.46	17.46			
5	QPSK	12	7	17.07	17.07	17.11	19	5	
5	QPSK	12	18	17.07	17.04	17.05			
5	QPSK	26	0	17.07	17.07	17.07			

Band 66_Ant 2									
RF (MHz)	Modulation	RF Size	RF Offset	Power (dBm) Ch 1/Freq	Power (dBm) Ch 2/Freq	Power (dBm) Ch 3/Freq	Turn-on time (secs)	MFR (dB)	
Channel				130002	130002	130012			
Frequency (MHz)				130002	130002	130012			
20	QPSK	1	0	-17.2	-22.9	-22.9			
20	QPSK	1	49	-22.9	-22.9	-22.72			24
20	QPSK	1	99	-22.73	-22.72	-22.68			
20	QPSK	50	0	-15.85	-16	-16			
20	QPSK	50	24	-21.53	-21.58	-21.58			23
20	QPSK	50	49	-21.53	-21.58	-21.58			
20	QPSK	100	0	-21.54	-21.62	-21.57			
20	HQAM	1	0	-21.65	-21.68	-21.84			
20	HQAM	1	49	-21.71	-21.69	-21.71			23
20	HQAM	1	99	-21.70	-21.68	-21.75			
20	HQAM	50	0	-20.45	-20.42	-20.53			
20	HQAM	50	24	-20.45	-20.42	-20.53			22
20	HQAM	50	49	-20.45	-20.42	-20.58			
20	HQAM	100	0	-20.70	-20.72	-20.58			
20	HQAM	1	49	-20.78	-20.67	-20.84			23
20	HQAM	1	99	-20.78	-20.67	-20.84			
20	HQAM	50	0	-19.58	-19.47	-19.61			
20	HQAM	50	24	-19.52	-19.49	-19.53			23
20	HQAM	50	49	-19.52	-19.49	-19.53			
20	HQAM	100	0	-19.50	-19.48	-19.58			
20	HQAM	1	49	-19.58	-19.47	-19.58			19
20	HQAM	1	99	-17.29	-17.22	-17.23			
20	HQAM	50	0	-17.18	-17.35	-17.18			
20	HQAM	50	24	-17.22	-17.22	-17.13			19
20	HQAM	50	49	-17.22	-17.22	-17.15			
20	HQAM	100	0	-17.21	-17.17	-17.18			
20	HQAM	50	0	-17.17	-17.17	-17.17			
Channel				130047	130052	130059			
Frequency (MHz)				130047	130052	130059			
15	QPSK	1	0	-22.75	-22.85	-22.95			
15	QPSK	1	37	-22.81	-22.93	-22.93			24
15	QPSK	1	74	-22.97	-22.83	-22.83			
15	QPSK	36	0	-21.48	-21.36	-21.48			
15	QPSK	36	20	-21.41	-21.48	-21.48			21
15	QPSK	36	37	-21.48	-21.36	-21.48			
15	QPSK	70	0	-21.42	-21.48	-21.43			
15	HQAM	1	0	-21.51	-21.54	-21.61			
15	HQAM	1	37	-21.48	-21.53	-21.43			23
15	HQAM	1	74	-21.62	-21.64	-21.59			
15	HQAM	36	0	-20.47	-20.23	-20.40			
15	HQAM	36	20	-20.14	-20.38	-20.14			22
15	HQAM	36	37	-20.25	-20.24	-20.38			
15	HQAM	70	0	-20.27	-20.27	-20.27			
15	HQAM	1	0	-20.62	-20.55	-20.55			
15	HQAM	1	37	-20.77	-20.61	-20.75			22
15	HQAM	1	74	-20.87	-20.87	-20.75			
15	HQAM	36	0	-19.48	-19.36	-19.58			
15	HQAM	36	20	-19.34	-19.48	-19.31			19
15	HQAM	36	37	-19.48	-19.34	-19.48			
15	HQAM	70	0	-19.30	-19.41	-19.30			
15	HQAM	1	0	-19.27	-19.24	-19.24			
15	HQAM	1	37	-19.27	-19.24	-19.24			
15	HQAM	1	74	-17.15	-17.27	-17.21			
15	HQAM	36	0	-17.12	-17.16	-17.12			
15	HQAM	36	20	-17.16	-17.13	-17.16			
15	HQAM	36	37	-17.21	-17.23	-17.16			19

Band 66_Ant 9									
BW (MHz)	Modulation	Sub Carrier	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Tx-to-Rx delay (ms)	MPE (dB)	
Channel				180002	180022	180022			
Frequency (MHz)				17.16	22.95	22.95			
20	QPSK	1	49	22.87	23.83	22.87	24	0	
20	QPSK	1	49	22.77	22.98	22.76			
20	QPSK	50	50	23.07	23.07	23.07			
20	QPSK	50	24	21.75	21.68	21.70	23		
20	QPSK	50	24	21.68	21.68	21.68			
20	QPSK	100	0	21.71	21.32	21.68			
20	HQPSK	1	0	22.02	21.83	22.08			
20	HQPSK	1	49	21.72	21.72	21.72	23	1	
20	HQPSK	1	99	21.85	21.75	21.88			
20	HQPSK	50	24	20.71	20.69	20.72			
20	HQPSK	50	24	20.68	20.68	20.68	24	2	
20	HQPSK	50	24	20.68	20.68	20.68			
20	HQPSK	100	0	20.74	20.70	20.85			
20	HQPSK	1	49	20.80	20.75	20.75	24	2	
20	HQPSK	1	99	20.80	20.75	20.80			
20	HQPSK	50	24	19.74	19.67	19.88	21	3	
20	HQPSK	50	24	19.68	19.68	19.68			
20	HQPSK	100	0	19.77	19.69	19.85			
20	HQPSK	1	49	17.25	17.21	17.25	19	5	
20	HQPSK	1	99	17.28	17.24	17.38			
20	HQPSK	50	24	17.28	17.25	17.28			
20	HQPSK	50	24	17.23	17.35	17.38	19	5	
20	HQPSK	50	24	17.30	17.21	17.28			
20	HQPSK	100	0	17.28	17.22	17.28			
Channel				180047	180022	180022			
Frequency (MHz)				17.16	22.95	22.95			
15	QPSK	1	97	22.85	22.71	22.85	24	0	
15	QPSK	1	74	22.81	22.55	22.87			
15	QPSK	1	74	22.81	22.55	22.87			
15	QPSK	36	20	21.67	21.59	21.67	21	4	
15	QPSK	36	20	21.53	21.53	21.53			
15	QPSK	70	0	21.70	21.72	21.52			
15	HQPSK	1	0	21.82	21.71	21.85			
15	HQPSK	1	97	21.88	21.71	21.88	23	1	
15	HQPSK	1	74	21.83	21.68	21.85			
15	HQPSK	36	0	20.58	20.58	20.63			
15	HQPSK	36	20	20.68	20.68	20.68	22	2	
15	HQPSK	36	20	20.47	20.62	20.63			
15	HQPSK	70	59	20.58	20.58	20.58			
15	HQPSK	70	59	20.54	20.58	20.51			
15	HQPSK	1	97	20.78	20.56	20.75	22	2	
15	HQPSK	1	74	20.78	20.56	20.75			
15	HQPSK	36	0	19.58	19.54	19.55			
15	HQPSK	36	20	19.61	19.81	19.88			
15	HQPSK	36	20	19.58	19.81	19.88	21	3	
15	HQPSK	70	0	19.69	19.84	19.85			
15	HQPSK	1	97	17.45	17.37	17.45			
15	HQPSK	1	74	17.45	17.37	17.25	19	5	
15	HQPSK	36	20	17.29	17.29	17.38			
15	HQPSK	36	20	17.33	17.33	17.38			
15	HQPSK	36	20	17.23	17.25	17.28	19	5	
15	HQPSK	36	20	17.39	17.24	17.27			
15	HQPSK	70	59	17.21	17.26	17.21			

Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Class / Power Class / Power Class	Power Class / Power Class / Power Class	Power Class / Power Class / Power Class	Turn-on time (dBm)	MPR (dB)	
Channel									
				150072	150320	150572			
				1720	1720	1720			
20	QPSK	7.5	1	22.91	22.91	22.91			
20	QPSK	1	48	22.29	22.78	22.68	24	0	
20	QPSK	50	50	22.56	22.96	22.61			
20	QPSK	50	50	22.56	22.96	22.61			
20	QPSK	50	24	21.61	21.60	21.59	23		
20	16QAM	50	50	21.58	21.58	21.58			
20	QPSK	100	0	21.58	21.60	21.60			
20	16QAM	1	0	21.42	21.54	21.66			
20	16QAM	1	48	21.42	21.46	21.50	23	1	
20	16QAM	1	50	21.43	21.59	21.44			
20	16QAM	50	24	20.63	20.59	20.67			
20	16QAM	50	50	20.63	20.59	20.67			
20	16QAM	50	24	20.68	20.63	20.63	22	2	
20	16QAM	100	0	20.68	20.63	20.63			
20	16QAM	100	50	20.74	20.74	20.58			
20	16QAM	1	0	20.74	20.74	20.58			
20	16QAM	1	48	20.69	20.70	20.75	22	2	
20	16QAM	1	50	20.69	20.70	20.75			
20	16QAM	50	0	19.68	19.68	19.59			
20	16QAM	50	24	19.64	19.64	19.59			
20	16QAM	50	50	19.64	19.60	19.60	21	3	
20	16QAM	50	50	19.68	19.68	19.60			
20	16QAM	100	0	19.58	19.63	19.60			
20	16QAM	100	50	19.58	19.63	19.60			
20	16QAM	1	48	17.57	17.48	17.51	10	5	
20	16QAM	1	50	17.48	17.49	17.47			
20	16QAM	50	0	17.50	17.50	17.38			
20	16QAM	50	24	17.52	17.47	17.47			
20	16QAM	50	50	17.51	17.51	17.47	10	5	
20	16QAM	100	0	17.51	17.51	17.47			
Channel									
				150647	150920	150977			
				1727	1727	1727			
20	QPSK	7.5	1	22.92	22.92	22.92			
20	QPSK	1	37	23.21	23.74	22.49	24	0	
20	QPSK	1	74	22.40	22.61	22.60			
20	QPSK	50	37	21.52	21.52	21.51			
20	QPSK	50	20	21.42	21.45	21.50	23	1	
20	QPSK	50	50	21.42	21.45	21.50			
20	QPSK	50	50	21.42	21.45	21.50			
20	QPSK	75	0	21.38	21.37	21.51			
20	16QAM	1	0	21.24	21.37	21.51			
20	16QAM	1	37	21.25	21.32	21.38	23	1	
20	16QAM	1	74	21.31	21.44	21.27			
20	16QAM	50	0	20.59	20.59	20.54			
20	16QAM	50	37	20.57	20.46	20.46			
20	16QAM	50	20	20.52	20.57	20.50	22	2	
20	16QAM	50	50	20.52	20.57	20.50			
20	16QAM	1	0	20.61	20.60	20.57			
20	16QAM	1	37	20.61	20.60	20.57			
20	16QAM	1	74	20.58	20.53	20.60	22	2	
20	16QAM	50	0	19.58	19.58	19.49			
20	16QAM	50	37	19.51	19.38	19.50			
20	16QAM	50	20	19.40	19.45	19.43			
20	16QAM	50	50	19.40	19.45	19.43	21	3	
20	16QAM	50	50	19.45	19.45	19.43			
20	16QAM	75	0	19.45	19.55	19.43			
20	16QAM	1	0	17.46	17.37	17.50	10	5	
20	16QAM	1	37	17.46	17.39	17.46			
20	16QAM	1	74	17.49	17.48	17.52			
20	16QAM	50	0	17.50	17.50	17.47			
20	16QAM	50	37	17.51	17.48	17.51			
20	16QAM	50	20	17.47	17.46	17.50			
20	16QAM	50	50	17.47	17.46	17.50	10	5	

[illegible]

Frequency (MHz)	1767.0	1767.5	1776.3
1.4 QPSK 1	20.51	22.64	22.75
1.4 QPSK 1	22.29	22.74	22.75
1.4 QPSK 1	22.38	22.60	22.61
1.4 QPSK 1	22.27	22.45	22.45
1.4 QPSK 1	22.48	22.75	22.75
1.4 QPSK 1	22.55	22.63	22.55
1.4 QPSK 1	22.58	22.52	22.52
1.4 QPSK 1	21.24	21.40	21.68
1.4 QPSK 1	21.59	21.44	21.31
1.4 QPSK 1	19.93	21.43	21.43
1.4 QPSK 1	21.33	21.50	21.50
1.4 QPSK 1	21.30	21.43	21.30
1.4 QPSK 1	21.27	21.45	21.45
1.4 QPSK 1	20.55	20.44	20.44
1.4 QPSK 1	20.58	20.44	20.44
1.4 QPSK 1	20.51	20.08	20.74
1.4 QPSK 1	20.43	20.44	20.75
1.4 QPSK 1	20.53	20.45	20.53
1.4 QPSK 1	20.55	20.54	20.53
1.4 QPSK 1	20.37	20.44	20.46
1.4 QPSK 1	19.93	19.81	19.81
1.4 QPSK 1	17.42	17.53	17.30
1.4 QPSK 1	17.44	17.53	17.30
1.4 QPSK 1	17.45	17.45	17.45
1.4 QPSK 1	17.40	17.45	17.45
1.4 QPSK 1	17.43	17.43	17.35
1.4 QPSK 1	17.44	17.43	17.35
1.4 QPSK 1	17.46	17.43	17.35
1.4 QPSK 1	17.46	17.43	17.35
1.4 QPSK 1	17.41	17.47	17.50

Frequency (MHz)	22.55	22.74	23.03	24.00	(dB)
5 QPSK	1	26	22.51	22.50	22.62
10 QPSK	4	49	22.66	22.58	22.84
15 QPSK	7	72	21.58	21.57	21.55
10 QPSK	20	12	21.34	21.36	21.57
5 QPSK	20	26	21.43	21.45	21.57
5 QPSK	26	20	21.48	21.47	21.55
5 HQAM	1	0	21.48	21.54	21.78
10 HQAM	1	0	21.50	21.50	21.53
15 HQAM	1	49	21.55	21.63	21.70
10 HQAM	20	0	20.38	20.23	20.42
15 HQAM	20	0	20.32	20.25	20.44
10 HQAM	26	20	20.37	20.44	20.54
5 HQAM	26	0	20.50	20.40	20.44
5 HQAM	26	0	20.59	20.42	20.46
5 HQAM	1	26	20.60	20.48	20.48
10 HQAM	1	26	20.68	20.48	20.48
15 HQAM	1	26	20.70	20.48	20.48
10 HQAM	20	0	19.39	19.37	19.48
10 HQAM	20	12	19.50	19.39	19.48
15 HQAM	20	12	19.51	19.38	19.48
10 HQAM	26	0	19.39	19.37	19.46
15 HQAM	26	0	19.39	19.37	19.46
10 HQAM	1	49	17.17	17.17	17.11
15 HQAM	1	49	17.18	17.18	17.11
10 HQAM	1	49	17.17	17.25	17.30
15 HQAM	1	49	17.17	17.25	17.30
10 HQAM	20	12	17.20	17.33	17.22
15 HQAM	20	12	17.19	17.25	17.31
15 HQAM	26	12	17.19	17.25	17.31
15 HQAM	26	12	17.20	17.33	17.22
Chemical	131990	132020	132040	Turn-on	MPR (dB)
Frequency (MHz)	1712.5	1745	1778.5		
5 QPSK	1	10	22.56	22.57	22.56
5 QPSK	1	10	22.56	22.57	22.56
5 QPSK	1	24	22.58	22.62	22.62
5 QPSK	1	24	22.58	22.62	22.62
5 QPSK	12	7	21.82	21.83	21.83
5 QPSK	12	13	21.33	21.33	21.41
5 HQAM	1	10	21.51	21.50	21.53
5 HQAM	1	0	21.51	21.41	21.46
5 HQAM	1	24	21.50	21.75	21.55
5 HQAM	12	0	20.54	20.40	20.47
5 HQAM	12	0	20.54	20.40	20.47
5 HQAM	12	13	20.29	20.28	20.31
5 HQAM	20	0	20.52	20.39	20.53
5 HQAM	20	0	20.57	20.40	20.53
5 HQAM	1	12	20.75	20.45	20.50
5 HQAM	12	13	19.53	19.32	19.54
5 HQAM	12	7	19.43	19.32	19.34
5 HQAM	12	13	19.43	19.33	19.34
5 HQAM	20	0	19.49	19.33	19.64
5 HQAM	1	0	17.14	17.30	17.13
5 HQAM	1	0	17.14	17.30	17.13
5 HQAM	1	24	17.21	17.18	17.26
5 HQAM	12	0	17.28	17.29	17.16
5 HQAM	12	0	17.28	17.29	17.16
5 HQAM	12	13	17.15	17.20	17.27
5 HQAM	12	13	17.15	17.20	17.27
Chemical	131990	132020	132040	Turn-on	MPR (dB)
Frequency (MHz)	1711.5	1746	1778.5		
5 QPSK	1	0	22.74	22.80	22.88
5 QPSK	1	0	22.74	22.84	22.88
5 QPSK	1	14	22.70	22.68	22.68
5 QPSK	1	14	22.70	22.68	22.68
5 QPSK	8	4	21.52	21.48	21.55
5 QPSK	8	4	21.52	21.48	21.55

3	3HQHM	0	-0.155	21.62	21.63	23	1	
3	3HQHM	1	0	21.43	21.50	21.61		
3	3HQHM	1	0	-21.55	-17.78	-17.88		
3	3HQHM	8	0	20.51	20.30	20.50		
3	3HQHM	8	0	-20.46	-20.29	-20.45		
3	3HQHM	8	0	20.34	20.27	20.35	22	2
3	3HQHM	15	0	20.39	20.31	20.55		
3	3HQHM	1	0	-20.53	-20.63	-20.45		
3	3HQHM	1	8	20.63	20.48	20.68	22	2
3	3HQHM	1	14	-20.49	-20.87	-20.38		
3	3HQHM	8	0	19.47	19.35	19.60		
3	3HQHM	8	4	19.37	19.33	19.34	21	3
3	3HQHM	8	0	-19.35	-19.43	-19.35		
3	3HQHM	15	0	19.39	19.30	19.45		
3	3HQHM	1	0	-17.18	-17.27	-17.11	19	5
3	3HQHM	1	8	17.22	17.19	17.21		
3	3HQHM	1	14	-17.13	-17.29	-17.17		
3	3HQHM	8	0	-17.16	-17.11	-17.21		
3	3HQHM	8	0	17.28	17.15	17.28	19	5
3	3HQHM	8	7	17.27	17.15	17.15		
3	3HQHM	15	0	17.23	17.27	17.26		
	Frequency (MHz)			1715.0	1745	1779.3	Time- step (ms)	10
1	OPR1	0	0	22.77	22.70	22.87		
1	OPR1	1	0	22.67	22.69	22.67		
1	OPR1	1	8	22.63	22.61	22.65	24	0
1	OPR1	1	0	-22.65	-22.78	-22.61		
1	OPR1	8	0	22.58	22.63	22.63		
1	OPR1	8	0	22.67	22.69	22.69		
1	OPR1	15	0	22.61	22.58	22.71	23	1
1	3HQHM	1	0	-21.62	-21.64	-21.76		
1	3HQHM	1	0	21.41	21.44	21.54		
1	3HQHM	1	8	21.55	21.63	21.67		
1	3HQHM	1	0	-21.55	-21.57	-21.51	23	1
1	3HQHM	1	1	21.51	21.44	21.46		
1	3HQHM	1	8	21.44	21.38	21.45		
1	3HQHM	8	0	20.46	20.43	20.43	22	2
1	3HQHM	8	0	-20.45	-20.45	-20.45		
1	3HQHM	1	0	-20.62	-20.65	-20.69		
1	3HQHM	1	0	20.64	20.59	20.71		
1	3HQHM	1	8	20.64	20.64	20.64	22	2
1	3HQHM	1	0	-20.76	-20.52	-20.59		
1	3HQHM	8	0	20.57	20.57	20.72		
1	3HQHM	8	0	-20.58	-20.57	-20.54	21	3
1	3HQHM	1	0	17.23	17.20	17.25		
1	3HQHM	1	0	-17.20	-17.24	-17.14		
1	3HQHM	1	0	17.39	17.26	17.25	19	5
1	3HQHM	8	0	-17.25	-17.18	-17.30		
1	3HQHM	8	0	17.12	17.14	17.21		
1	3HQHM	8	0	-17.32	-17.17	-17.28		
1	3HQHM	0	0	17.13	17.34	17.23	19	5

	Frequency (MHz)	15169	15170	15171		
10	OPRIS -1	26.52	22.70	22.56	0	
10	OPRIS -1	26	22.62	22.70		
10	OPRIS -1	26	22.60	22.80	1	
10	OPRIS -1	26	22.63	22.80		
10	OPRIS -12	21	21.50	21.67	23	
10	OPRIS -12	21	21.50	21.67		
10	OPRIS -12	21	21.50	21.67	24	
10	OPRIS -12	21	21.50	21.67		
10	HQAIM -1	6	21.84	21.72	21.88	23
10	HQAIM -1	6	21.89	21.63	21.88	
10	HQAIM -1	6	21.89	21.58	21.88	24
10	HQAIM -1	6	21.81	21.70	21.84	
10	HQAIM -20	6	20.60	20.81	20.57	22
10	HQAIM -20	6	20.60	20.82	20.57	
10	HQAIM -20	25	20.51	20.63	20.53	22
10	HQAIM -20	25	20.68	20.51	20.63	
10	HQAIM -20	25	20.71	20.58	20.68	22
10	HQAIM -20	25	20.72	20.70	20.68	
10	HQAIM -20	6	19.76	19.63	19.58	19
10	HQAIM -20	12	19.58	19.81	19.58	
10	HQAIM -50	6	19.71	19.55	19.52	19
10	HQAIM -50	6	19.70	19.36	19.38	
10	SRISM -20	6	17.30	17.28	17.30	19
10	SRISM -20	6	17.30	17.28	17.30	
10	SRISM -20	1	17.37	17.19	17.26	19
10	SRISM -20	1	17.37	17.19	17.26	
10	SRISM -20	25	17.24	17.19	17.19	19
10	SRISM -20	25	17.41	17.37	17.28	
10	SRISM -20	25	17.39	17.32	17.28	19
10	SRISM -20	25	17.39	17.32	17.28	
Channel		15169	15170	15171	Turn-on time (ms)	
5	OPRIS -1	1717.5	1744	1777.5	24	
5	OPRIS -1	22	22.52	22.70		
5	OPRIS -1	24	22.63	22.49	22.58	23
5	OPRIS -12	7	21.55	21.61	21.68	
5	OPRIS -12	13	21.56	21.40	21.49	23
5	OPRIS -12	17	21.57	21.40	21.49	
5	HQAIM -1	6	21.96	21.69	21.69	24
5	HQAIM -1	6	21.97	21.69	21.70	
5	HQAIM -12	24	20.84	20.62	20.67	22
5	HQAIM -12	24	20.83	20.63	20.68	
5	HQAIM -12	13	20.52	20.63	20.67	22
5	HQAIM -20	25	20.63	20.45	20.64	
5	HQAIM -20	25	20.64	20.63	20.68	22
5	HQAIM -20	24	20.60	20.61	20.57	
5	HQAIM -20	24	20.62	20.61	20.58	21
5	HQAIM -12	7	19.62	19.69	19.54	
5	HQAIM -12	7	19.62	19.64	19.58	21
5	HQAIM -20	6	19.57	19.68	19.63	
5	SRISM -1	6	17.41	17.39	17.38	19
5	SRISM -1	6	17.40	17.28	17.21	
5	SRISM -12	24	17.25	17.19	17.20	19
5	SRISM -12	24	17.25	17.19	17.20	
5	SRISM -12	17	17.28	17.28	17.31	19
5	SRISM -12	17	17.28	17.28	17.31	
5	SRISM -12	13	17.30	17.28	17.28	19
5	SRISM -12	13	17.30	17.28	17.28	
Channel		15169	15170	15171	Turn-on time (ms)	
5	OPRIS -1	1717.5	1744	1777.5	24	
5	OPRIS -1	22	22.52	22.70		
5	OPRIS -1	24	22.63	22.49	22.58	23
5	OPRIS -12	7	21.55	21.61	21.68	
5	OPRIS -12	13	21.56	21.40	21.49	23
5	OPRIS -12	17	21.57	21.40	21.49	
5	HQAIM -1	6	21.96	21.69	21.69	24
5	HQAIM -1	6	21.97	21.69	21.70	
5	HQAIM -12	24	20.84	20.62	20.67	22
5	HQAIM -12	24	20.83	20.63	20.68	
5	HQAIM -12	13	20.52	20.63	20.67	22
5	HQAIM -20	25	20.63	20.45	20.64	
5	HQAIM -20	25	20.64	20.63	20.68	22
5	HQAIM -20	24	20.60	20.61	20.57	
5	HQAIM -20	24	20.62	20.61	20.58	21
5	HQAIM -12	7	19.62	19.69	19.54	
5	HQAIM -12	7	19.62	19.64	19.58	21
5	HQAIM -20	6	19.57	19.68	19.63	
5	SRISM -1	6	17.41	17.39	17.38	19
5	SRISM -1	6	17.40	17.28	17.21	
5	SRISM -12	24	17.25	17.19	17.20	19
5	SRISM -12	24	17.25	17.19	17.20	
5	SRISM -12	17	17.28	17.28	17.31	19
5	SRISM -12	17	17.28	17.28	17.31	
5	SRISM -12	13	17.30	17.28	17.28	19
5	SRISM -12	13	17.30	17.28	17.28	
Channel		15169	15170	15171	Turn-on time (ms)	
5	OPRIS -1	1717.5	1744	1777.5	24	
5	OPRIS -1	22	22.52	22.70		
5	OPRIS -1	24	22.63	22.49	22.58	23
5	OPRIS -12	7	21.55	21.61	21.68	
5	OPRIS -12	13	21.56	21.40	21.49	23
5	OPRIS -12	17	21.57	21.40	21.49	
5	HQAIM -1	6	21.96	21.69	21.69	24
5	HQAIM -1	6	21.97	21.69	21.70	
5	HQAIM -12	24	20.84	20.62	20.67	22
5	HQAIM -12	24	20.83	20.63	20.68	
5	HQAIM -12	13	20.52	20.63	20.67	22
5	HQAIM -20	25	20.63	20.45	20.64	
5	HQAIM -20	25	20.64	20.63	20.68	22
5	HQAIM -20	24	20.60	20.61	20.57	
5	HQAIM -20	24	20.62	20.61	20.58	21
5	HQAIM -12	7	19.62	19.69	19.54	
5	HQAIM -12	7	19.62	19.64	19.58	21
5	HQAIM -20	6	19.57	19.68	19.63	
5	SRISM -1	6	17.41	17.39	17.38	19
5	SRISM -1	6	17.40	17.28	17.21	
5	SRISM -12	24	17.25	17.19	17.20	19
5	SRISM -12	24	17.25	17.19	17.20	
5	SRISM -12	17	17.28	17.28	17.31	19
5	SRISM -12	17	17.28	17.28	17.31	
5	SRISM -12	13	17.30	17.28	17.28	19
5	SRISM -12	13	17.30	17.28	17.28	
Channel		15169	15170	15171	Turn-on time (ms)	
5	OPRIS -1	1717.5	1744	1777.5	24	
5	OPRIS -1	22	22.52	22.70		
5	OPRIS -1	24	22.63	22.49	22.58	23
5	OPRIS -12	7	21.55	21.61	21.68	
5	OPRIS -12	13	21.56	21.40	21.49	23
5	OPRIS -12	17	21.57	21.40	21.49	
5	HQAIM -1	6	21.96	21.69	21.69	24
5	HQAIM -1	6	21.97	21.69	21.70	
5	HQAIM -12	24	20.84	20.62	20.67	22
5	HQAIM -12	24	20.83	20.63	20.68	
5	HQAIM -12	13	20.52	20.63	20.67	22
5	HQAIM -20	25	20.63	20.45	20.64	
5	HQAIM -20	25	20.64	20.63	20.68	22
5	HQAIM -20	24	20.60	20.61	20.57	
5	HQAIM -20	24	20.62	20.61	20.58	21
5	HQAIM -12	7	19.62	19.69	19.54	
5	HQAIM -12	7	19.62	19.64	19.58	21
5	HQAIM -20	6	19.57	19.68	19.63	
5	SRISM -1	6	17.41	17.39	17.38	19
5	SRISM -1	6	17.40	17.28	17.21	
5	SRISM -12	24	17.25	17.19	17.20	19
5	SRISM -12	24	17.25	17.19	17.20	
5	SRISM -12	17	17.28	17.28	17.31	19
5	SRISM -12	17	17.28	17.28	17.31	
5	SRISM -12	13	17.30	17.28	17.28	19
5	SRISM -12	13	17.30	17.28	17.28	
Channel		15169	15170	15171	Turn-on time (ms)	
5	OPRIS -1	1717.5	1744	1777.5	24	
5	OPRIS -1	22	22.52	22.70		
5	OPRIS -1	24	22.63	22.49	22.58	23
5	OPRIS -12	7	21.55	21.61	21.68	
5	OPRIS -12	13	21.56	21.40	21.49	23
5	OPRIS -12	17	21.57	21.40	21.49	
5	HQAIM -1	6	21.96	21.69	21.69	24
5	HQAIM -1	6	21.97	21.69	21.70	
5	HQAIM -12	24	20.84	20.62	20.67	22
5	HQAIM -12	24	20.83	20.63	20.68	
5	HQAIM -12	13	20.52	20.63	20.67	22
5	HQAIM -20	25	20.63	20.45	20.64	
5	HQAIM -20	25	20.64	20.63	20.68	22
5	HQAIM -20	24	20.60	20.61	20.57	
5	HQAIM -20	24	20.62	20.61	20.58	21
5	HQAIM -12	7	19.62	19.69	19.54	
5	HQAIM -12	7	19.62	19.64	19.58	21
5	HQAIM -20	6	19.57	19.68	19.63	
5	SRISM -1	6	17.41	17.39	17.38	19
5	SRISM -1	6	17.40	17.28	17.21	
5	SRISM -12	24	17.25	17.19	17.20	19
5	SRISM -12	24	17.25	17.19	17.20	
5	SRISM -12	17	17.28	17.28	17.31	19
5	SRISM -12	17	17.28	17.28	17.31	
5	SRISM -12	13	17.30	17.28	17.28	19
5	SRISM -12	13	17.30	17.28	17.28	
Channel		15169	15170	15171	Turn-on time (ms)	
5	OPRIS -1	1717.5	1744	1777.5	24	
5	OPRIS -1	22	22.52	22.70		
5	OPRIS -1	24	22.63	22.49	22.58	23
5	OPRIS -12	7	21.55	21.61	21.68	
5	OPRIS -12	13	21.56	21.40	21.49	23
5	OPRIS -12	17	21.57	21.40	21.49	
5	HQAIM -1	6	21.96	21.69	21.69	24
5	HQAIM -1	6	21.97	21.69	21.70	
5	HQAIM -12	24	20.84	20.62	20.67	22
5	HQAIM -12	24	20.83	20.63	20.68	
5	HQAIM -12	13	20.52	20.63	20.67	22
5	HQAIM -20	25	20.63	20.45	20.64	
5	HQAIM -20	25	20.64	20.63	20.68	22
5	HQAIM -20	24	20.60	20.61	20.57	
5	HQAIM -20	24	20.62	20.61	20.58	21
5	HQAIM -12	7	19.62	19.69	19.54	
5	HQAIM -12	7	19.62	19.64	19.58	21
5	HQAIM -20	6	19.57	19.68	19.63	
5	SRISM -1	6	17.41	17.39	17.38	19
5	SRISM -1	6	17.40	17.28	17.21	
5	SRISM -12	24	17.25	17.19	17.20	19
5	SRISM -12	24	17.25	17.19	17.20	
5	SRISM -12	17	17.28	17.28	17.31	19
5	SRISM -12	17	17.28	17.28	17.31	
5	SRISM -12	13	17.30	17.28	17.28	19
5	SRISM -12	13	17.30	17.28	17.28	
Channel		15169	15170	15171	Turn-on time (ms)	
5	OPRIS -1	1717.5	1744	1777.5	24	
5	OPRIS -1	22	22.52	22.70		
5	OPRIS -1	24	22.63	22.49	22.58	23
5	OPRIS -12	7	21.55	21.61	21.68	
5	OPRIS -12	13	21.56	21.40	21.49	23
5	OPRIS -12	17	21.57	21.40	21.49	
5	HQAIM -1	6	21.96	21.69	21.69	24
5	HQAIM -1	6	21.97	21.69	21.70	
5	HQAIM -12	24	20.84	20.62	20.67	22
5	HQAIM -12	24	20.83	20.63	20.68	
5	HQAIM -12	13	20.52	20		

3	14QHM	1	21.85	21.73	21.91		
3	14QHM	1	21.67	21.71	21.76	23	1
3	14QHM	1	21.79	21.68	21.76		
3	14QHM	8	20.05	20.54	20.57		
3	14QHM	8	20.05	20.49	20.47	22	2
3	14QHM	8	20.02	20.07	20.05		
3	14QHM	15	20.52	20.58	20.57		
3	14QHM	1	20.03	20.03	20.03		
3	14QHM	1	20.57	20.73	20.76	22	2
3	14QHM	1	20.57	20.84	20.86		
3	14QHM	1	19.80	19.88	19.85		
3	14QHM	4	19.87	19.82	19.85	21	1
3	14QHM	1	19.55	19.67	19.65		
3	14QHM	15	19.73	19.83	19.81		
3	14QHM	1	17.29	17.20	17.31		
3	14QHM	1	17.40	17.35	17.24	19	5
3	14QHM	1	17.48	17.21	17.22		
3	14QHM	8	17.25	17.34	17.36		
3	14QHM	8	17.25	17.24	17.25	19	5
3	14QHM	8	17.24	17.30	17.35		
3	14QHM	15	17.36	17.22	17.25		
	Frequency (MHz)		17167	17165	17179.3	Frequency (MHz)	17167.5
1.4	QPSK	1	22.75	22.78	22.71		
1.4	QPSK	1	22.75	22.78	22.71		
1.4	QPSK	1	22.74	22.74	22.48	24	0
1.4	QPSK	1	22.75	22.78	22.71		
1.4	QPSK	3	22.55	22.81	22.55		
1.4	QPSK	3	22.83	22.47	22.47		
1.4	QPSK	3	22.83	21.68	21.68	23	1
1.4	14QHM	1	21.88	21.83	21.94		
1.4	14QHM	1	21.66	21.68	21.75		
1.4	14QHM	1	21.65	21.60	21.64		
1.4	14QHM	3	21.97	21.87	21.80	23	1
1.4	14QHM	3	21.86	21.58	21.57		
1.4	14QHM	3	21.82	21.57	21.58		
1.4	14QHM	6	20.62	20.54	20.55	22	2
1.4	14QHM	6	20.60	20.56	20.56		
1.4	14QHM	1	20.73	20.67	20.65		
1.4	14QHM	1	20.52	20.81	20.52	22	2
1.4	14QHM	1	20.53	20.81	20.53		
1.4	14QHM	3	20.73	20.63	20.55		
1.4	14QHM	3	20.60	20.57	20.56		
1.4	14QHM	3	20.65	20.65	20.65	21	5
1.4	14QHM	1	17.25	17.26	17.27		
1.4	14QHM	1	17.24	17.24	17.24		
1.4	14QHM	6	17.25	17.22	17.23	19	5
1.4	14QHM	3	17.22	17.21	17.24		
1.4	14QHM	3	17.22	17.30	17.28		
1.4	14QHM	3	17.24	17.25	17.33		
1.4	14QHM	6	17.33	17.19	17.26	19	5

Band 71_Ant 0										
SW (MHz)	Modulation	RF Freq (MHz)	RF Offset (MHz)	Power Low (MHz)	Power Mode (MHz)	Power High (MHz)	Tune-up (MHz)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19322	19307	19392				
20	QPSK	1	0	683	680.5	688				
20	QPSK	1	49	22.47	22.52	22.48	24	0		
20	QPSK	1	99	22.46	22.52	22.52				
20	QPSK	50	0	21.50	21.62	21.62				
20	QPSK	50	50	21.48	21.57	21.47	23	1		
20	QPSK	100	0	21.46	21.55	21.50				
20	QPSK	1	49	21.55	21.58	21.59				
20	QPSK	1	99	21.72	21.73	21.68	23	1		
20	QPSK	50	0	20.81	20.70	20.67				
20	QPSK	50	24	20.59	20.73	20.58				
20	QPSK	50	50	20.71	20.71	20.55	22	2		
20	QPSK	100	0	20.63	20.75	20.59				
20	QPSK	1	0	20.37	20.68	20.62				
20	QPSK	1	49	20.44	20.48	20.44	22	2		
20	QPSK	1	99	20.50	20.65	20.49				
20	QPSK	50	0	19.73	19.75	19.74				
20	QPSK	50	24	19.56	19.70	19.53	21	3		
20	QPSK	50	50	19.51	19.66	19.45				
20	QPSK	100	0	19.59	19.72	19.61				
20	QPSK	1	0	17.34	17.37	17.38				
20	QPSK	1	49	17.47	17.46	17.37	19	5		
20	QPSK	1	99	17.36	17.41	17.32				
20	QPSK	50	0	17.40	17.37	17.44				
20	QPSK	50	24	17.43	17.46	17.45	19	5		
20	QPSK	50	50	17.45	17.47	17.38				
20	QPSK	100	0	17.42	17.33	17.43				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.51	22.48	22.51				
15	QPSK	1	37	22.35	22.39	22.32	24	0		
15	QPSK	1	74	22.37	22.47	22.26				
15	QPSK	36	0	21.33	21.57	21.47				
15	QPSK	36	20	21.37	21.44	21.44	23	1		
15	QPSK	75	0	21.35	21.49	21.48				
15	QPSK	1	0	21.49	21.84	21.41				
15	QPSK	1	37	21.14	21.87	21.41	23	1		
15	QPSK	1	74	21.54	21.51	21.42				
15	QPSK	36	0	20.48	20.64	20.64				
15	QPSK	36	20	20.52	20.57	20.51				
15	QPSK	36	39	20.50	20.67	20.43	22	2		
15	QPSK	75	0	20.45	20.56	20.45				
15	QPSK	1	0	20.45	20.54	20.59				
15	QPSK	1	37	20.24	20.47	20.30	22	2		
15	QPSK	1	74	20.30	20.57	20.20				
15	QPSK	36	0	19.85	19.73	19.70				
15	QPSK	36	20	19.82	19.73	19.70				
15	QPSK	36	39	19.55	19.53	19.45	21	3		
15	QPSK	75	0	19.39	19.69	19.47				
15	QPSK	1	0	17.44	17.42	17.36				
15	QPSK	1	37	17.37	17.45	17.45	19	5		
15	QPSK	1	74	17.42	17.45	17.44				
15	QPSK	36	0	17.36	17.43	17.36				
15	QPSK	36	20	17.40	17.44	17.44	19	5		
15	QPSK	36	39	17.44	17.45	17.44				
15	QPSK	75	0	17.40	17.49	17.32				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.39	22.53	22.41				
10	QPSK	1	25	22.38	22.50	22.25	24	0		
10	QPSK	1	49	22.38	22.47	22.19				
10	QPSK	25	12	21.46	21.47	21.30	23	1		
10	QPSK	25	24	21.47	21.44	21.30				
10	QPSK	50	0	21.30	21.35	21.48				
10	QPSK	50	12	21.47	21.57	21.48				
10	QPSK	1	25	21.69	21.72	21.64	23	1		
10	QPSK	1	49	21.43	21.67	21.35				
10	QPSK	25	0	20.17	20.14	20.00				
10	QPSK	25	12	20.50	20.58	20.44				
10	QPSK	25	24	20.48	20.61	20.33	22	2		
10	QPSK	50	0	20.48	20.50	20.45				
10	QPSK	1	0	20.48	20.67	20.35				
10	QPSK	1	25	20.40	20.56	20.36	22	2		
10	QPSK	1	49	20.34	20.50	20.48				
10	QPSK	25	0	19.57	19.59	19.70				
10	QPSK	25	12	19.47	19.58	19.37				
10	QPSK	25	24	19.44	19.48	19.29	21	3		
10	QPSK	50	0	19.42	19.55	19.41				
10	QPSK	50	12	17.47	17.45	17.35				
10	QPSK	1	25	17.47	17.45	17.43	19	5		
10	QPSK	1	49	17.42	17.43	17.36				
10	QPSK	25	0	17.30	17.45	17.42				
10	QPSK	25	12	17.26	17.40	17.38	19	5		
10	QPSK	25	24	17.45	17.41	17.31				
10	QPSK	50	0	17.47	17.33	17.38				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.47	22.42	22.46				
5	QPSK	1	12	22.46	22.34	22.29	24	0		
5	QPSK	1	24	22.43	21.38	22.20				
5	QPSK	12	0	21.30	21.58	21.56				
5	QPSK	12	13	21.36	21.42	21.30	23	1		
5	QPSK	12	13	21.43	21.55	21.50				
5	QPSK	25	0	21.43	21.51	21.38				
5	QPSK	1	0	21.37	21.71	21.44	23	1		
5	QPSK	1	12	21.62	21.64	21.54				
5	QPSK	1	25	21.42	21.65	21.39				
5	QPSK	12	0	20.45	20.69	20.64				
5	QPSK	12	7	20.49	20.61	20.54	22	2		
5	QPSK	12	13	20.18	20.18	20.44				
5	QPSK	25	0	20.55	20.59	20.47				
5	QPSK	1	0	20.30	20.48	20.30	22	2		
5	QPSK	1	24	20.32	20.37	20.33				
5	QPSK	12	0	19.70	19.61	19.57				
5	QPSK	12	7	19.47	19.68	19.42	21	3		
5	QPSK	12	13	19.44	19.63	19.47				
5	QPSK	25	0	19.48	19.71	19.44				
5	QPSK	1	0	17.35	17.40	17.31				
5	QPSK	1	12	17.44	17.49	17.40	19	5		
5	QPSK	12	0	17.37	17.46	17.31				
5	QPSK	12	0	17.29	17.38	17.47				
5	QPSK	12	13	17.33	17.30	17.36	19	5		
5	QPSK	12	13	17.36	17.50	17.31				
5	QPSK	25	0	17.39	17.46	17.48				

Band 71_Ant 1										
SW (MHz)	Modulation	RF Freq (MHz)	RF Offset (MHz)	Power Low (MHz)	Power Mode (MHz)	Power High (MHz)	Tune-up (MHz)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15320	15372	15424				
20	QPSK	1	49	22.39	22.46	22.46	24	0		
20	QPSK	1	99	22.35	22.47	22.40				
20	QPSK	50	24	21.43	21.49	21.36	23	1		
20	QPSK	50	50	21.28	21.50	21.38				
20	QPSK	100	0	21.45	21.50	21.45				
20	QPSK	1	0	21.43	21.81	21.52				
20	QPSK	1	49	21.86	21.63	21.45	23	1		
20	QPSK	1	99	21.57	21.58	21.45				
20	QPSK	50	0	20.50	20.52	20.47				
20	QPSK	50	24	20.45	20.67	20.49	22	2		
20	QPSK	50	50	20.55	20.63	20.41				
20	QPSK	100	0	20.50	20.67	20.53				
20	QPSK	1	0	20.47	20.64	20.34				
20	QPSK	1	49	20.36	20.41	20.39	22	2		
20	QPSK	1	99	20.46	20.49	20.35				
20	QPSK	50	0	19.75	19.73	19.57				
20	QPSK	50	24	19.68	19.58	19.42	21	3		
20	QPSK	50	50	19.55	19.55	19.48				
20	QPSK	100	0	19.48	19.69	19.45				
20	QPSK	1	0	17.43	17.36	17.43				
20	QPSK	1	49	17.30	17.46	17.41	19	5		
20	QPSK	1	99	17.28	17.31	17.30				
20	QPSK	50	0	17.37	17.48	17.32	19	5		
20	QPSK	50	24	17.33	17.43	17.30				
20	QPSK	50	50	17.40	17.33	17.34				
20	QPSK	100	0	17.40	17.43	17.34				
20	QPSK	1	0	15320	15372	15424				
20	QPSK	1	49	22.39	22.46	22.46	24	0		
20	QPSK	1	99	22.35	22.47	22.40				
20	QPSK	50	24	21.43	21.49	21.36	23	1		
20	QPSK	50	50	21.28	21.50	21.38				
20	QPSK	100	0	21.45	21.50	21.45				
20	QPSK	1	0	21.43	21.81	21.52				
20	QPSK	1	49	21.86	21.63	21.45	23	1		
20	QPSK	1	99	21.57	21.58	21.45				
20	QPSK	50	0	20.50	20.52	20.47				
20	QPSK	50	24	20.45	20.67	20.49	22	2		
20	QPSK	50	50	20.55	20.63	20.41				
20	QPSK	100	0	20.50	20.67	20.53				
20	QPSK	1	0	20.47	20.64	20.34				
20	QPSK	1	49	20.36	20.41	20.39	22	2		
20	QPSK	1	99	20.46	20.49	20.35				
20	QPSK	50	0	19.75	19.73	19.57				
20	QPSK	50	24	19.68	19.58	19.42	21	3		
20	QPSK	50	50	19.55	19.55	19.48				
20	QPSK	100	0	19.48	19.69	19.45				
20	QPSK	1	0	17.43	17.36	17.43				
20	QPSK	1	49	17.30	17.46	17.41	19	5		
20	QPSK	1	99	17.28	17.31	17.30				
20	QPSK	50	0	17.37	17.48	17.32	19	5		
20	QPSK	50	24	17.33	17.43	17.30				
20	QPSK	50	50	17.40	17.33	17.34				
20	QPSK	100	0	17.40	17.43	17.34				
20	QPSK	1	0	15320	15372	15424				
20	QPSK	1	49	22.39	22.46	22.46	24	0		
20	QPSK	1	99	22.35	22.47	22.40				
20	QPSK	50	24	21.43	21.49	21.36	23	1		
20	QPSK	50	50	21.28	21.50	21.38				
20	QPSK	100	0	21.45	21.50	21.45				
20	QPSK	1	0	21.43	21.81	21.52				
20	QPSK	1	49	21.86	21.63	21.45	23	1		
20	QPSK	1	99	21.57	21.58	21.45				
20	QPSK	50	0	20.50	20.52	20.47				
20	QPSK	50	24	20.45	20.67	20.49	22	2		
20	QPSK	50	50	20.55	20.63	20.41				
20	QPSK	100	0	20.50	20.67	20.53				
20	QPSK	1	0	20.47	20.64	20.34				
20	QPSK	1	49	20.36	20.41	20.39	22	2		
20	QPSK	1	99	20.46	20.49	20.35				
20	QPSK	50	0	19.75	19.73	19.57				
20	QPSK	50	24	19.68	19.58	19.42	21	3		
20	QPSK	50	50	19.55	19.55	19.48				
20	QPSK	100	0	19.48	19.69	19.45				
20	QPSK	1	0	17.43	17.36	17.43				
20	QPSK	1	49	17.30	17.46	17.41	19	5		
20	QPSK	1	99	17.28	17.31	17.30				
20	QPSK	50	0	17.37	17.48	17.32	19	5		
20	QPSK	50	24	17.33	17.43	17.30				
20	QPSK	50	50	17.40	17.33	17.34				
20	QPSK	100	0	17.40	17.43	17.34				
20	QPSK	1	0	15320	15372	15424				
20	QPSK	1	49	22.39	22.46	22.46	24	0		
20	QPSK	1	99	22.35	22.47	22.40				
20	QPSK	50	24	21.43	21.49	21.36	23	1		
20	QPSK	50	50	21.28	21.50	21.38				
20	QPSK	100	0	21.45	21.50	21.45				
20	QPSK	1	0	21.43	21.81	21.52				
20	QPSK	1	49	21.86	21.63	21.45	23	1		
20	QPSK	1	99	21.57	21.58	21.45				
20	QPSK	50	0	20.50	20.52	20.47				
20	QPSK	50	24	20.45	20.67	20.49	22	2		
20	QPSK	50	50	20.55	20.63	20.41				
20	QPSK	100	0	20.50	20.67	20.53				
20	QPSK	1	0	20.47	20.64	20.34				
20	QPSK	1	49	20.36	20.41	20.39	22	2		
20	QPSK	1	99	20.46	20.49	20.35				
20	QPSK	50	0	19.75	19.73	19.57				
20	QPSK	50	24	19.68	19.58	19.42	21	3		
20	QPSK	50	50	19.55	19.55	19.48				
20	QPSK	100	0	19.48	19.69	19.45				
20	QPSK	1	0	17.43	17.36	17.43				
20	QPSK	1	49	17.30	17.46	17.41	19	5		
20	QPSK	1	99	17.28	17.31	17.30				
20	QPSK	50	0	17.37	17.48	17.32	19	5		
20	QPSK	50	24	17.33	17.43	17.30				
20	QPSK	50	50	17.40	17.33	17.34				
20	QPSK	100	0	17.40	17.43	17.34				

Band 38_Ant 2										
RF (MHz)	Modulation	RB Size	RF Offset	Power Level (dBm)	Ch. Freq. (MHz)	Ch. Power (dBm)	Power Level (dBm)	Power Level (dBm)	Time-slot (slots)	MPR (dB)
Channel				37800	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	23.07	22.97	22.97	22.97	22.97	24	0
20	QPSK	1	49	22.97	22.99	22.99	22.99	22.99	24	0
20	QPSK	1	98	22.97	23.01	23.01	23.01	23.01	24	0
20	QPSK	50	0	21.65	21.70	21.70	21.70	21.70	23	1
20	QPSK	50	24	21.67	21.69	21.69	21.69	21.69	23	1
20	QPSK	100	0	21.62	21.65	21.65	21.65	21.65	23	1
20	QPSK	100	49	21.62	21.64	21.64	21.64	21.64	23	1
20	HQAM	1	49	21.68	21.78	21.78	21.78	21.78	23	1
20	HQAM	1	99	21.73	21.80	21.80	21.80	21.80	23	1
20	HQAM	50	0	20.45	20.48	20.48	20.48	20.48	22	2
20	HQAM	50	24	20.48	20.50	20.50	20.50	20.50	22	2
20	HQAM	100	0	20.42	20.45	20.45	20.45	20.45	22	2
20	HQAM	100	49	20.42	20.44	20.44	20.44	20.44	22	2
20	HQAM	1	99	20.57	20.62	20.62	20.62	20.62	22	2
20	HQAM	50	24	19.94	19.97	19.97	19.97	19.97	21	3
20	HQAM	50	99	19.93	19.92	19.92	19.92	19.92	21	3
20	25GSM	1	0	17.40	17.48	17.48	17.48	17.48	19	5
20	25GSM	1	49	17.27	17.28	17.28	17.28	17.28	19	5
20	25GSM	1	99	17.40	17.40	17.40	17.40	17.40	19	5
20	25GSM	50	0	17.30	17.38	17.38	17.38	17.38	19	5
20	25GSM	50	49	17.30	17.32	17.32	17.32	17.32	19	5
20	25GSM	50	99	17.29	17.34	17.34	17.34	17.34	19	5
20	25GSM	100	0	17.26	17.26	17.26	17.26	17.26	19	5
Frequency (MHz)										
15	QPSK	1	0	22.75	22.66	22.66	22.66	22.66	24	0
15	QPSK	1	49	22.52	22.50	22.50	22.50	22.50	24	0
15	QPSK	1	99	22.52	22.54	22.54	22.54	22.54	24	0
15	QPSK	1	74	22.56	22.61	22.61	22.61	22.61	24	0
15	QPSK	50	0	21.47	21.52	21.52	21.52	21.52	23	1
15	QPSK	50	24	21.47	21.49	21.49	21.49	21.49	23	1
15	HQAM	1	49	21.63	21.65	21.65	21.65	21.65	23	1
15	HQAM	1	99	21.67	21.69	21.69	21.69	21.69	23	1
15	HQAM	50	0	20.45	20.48	20.48	20.48	20.48	22	2
15	HQAM	50	24	20.48	20.50	20.50	20.50	20.50	22	2
15	HQAM	100	0	20.42	20.45	20.45	20.45	20.45	22	2
15	HQAM	100	49	20.42	20.44	20.44	20.44	20.44	22	2
15	HQAM	1	99	20.51	20.54	20.54	20.54	20.54	22	2
15	HQAM	50	24	19.93	19.95	19.95	19.95	19.95	21	3
15	HQAM	50	99	19.93	19.93	19.93	19.93	19.93	21	3
15	25GSM	1	0	17.24	17.22	17.22	17.22	17.22	19	5
15	25GSM	1	74	17.22	17.31	17.31	17.31	17.31	19	5
15	25GSM	1	99	17.24	17.24	17.24	17.24	17.24	19	5
15	25GSM	50	0	17.30	17.38	17.38	17.38	17.38	19	5
15	25GSM	50	49	17.30	17.32	17.32	17.32	17.32	19	5
15	25GSM	50	99	17.29	17.34	17.34	17.34	17.34	19	5
15	25GSM	100	0	17.26	17.26	17.26	17.26	17.26	19	5
Frequency (MHz)										
5	QPSK	1	0	22.68	22.62	22.62	22.62	22.62	24	0
5	QPSK	1	49	22.45	22.43	22.43	22.43	22.43	24	0
5	QPSK	1	98	22.45	22.47	22.47	22.47	22.47	24	0
5	QPSK	1	24	22.48	22.50	22.50	22.50	22.50	24	0
5	QPSK	12	0	21.47	21.52	21.52	21.52	21.52	23	1
5	QPSK	12	49	21.47	21.49	21.49	21.49	21.49	23	1
5	QPSK	12	98	21.47	21.49	21.49	21.49	21.49	23	1
5	QPSK	12	13	21.51	21.54	21.54	21.54	21.54	23	1
5	QPSK	12	48	21.51	21.53	21.53	21.53	21.53	23	1
5	HQAM	1	49	21.68	21.78	21.78	21.78	21.78	23	1
5	HQAM	1	98	21.73	21.80	21.80	21.80	21.80	23	1
5	HQAM	12	0	20.50	20.52	20.52	20.52	20.52	22	2
5	HQAM	12	49	20.45	20.47	20.47	20.47	20.47	22	2
5	HQAM	12	98	20.45	20.47	20.47	20.47	20.47	22	2
5	HQAM	12	13	20.49	20.53	20.53	20.53	20.53	22	2
5	HQAM	12	48	20.49	20.50	20.50	20.50	20.50	22	2
5	HQAM	1	49	20.50	20.53	20.53	20.53	20.53	22	2
5	HQAM	12	98	19.98	19.98	19.98	19.98	19.98	21	3
5	HQAM	12	13	19.98	19.98	19.98	19.98	19.98	21	3
5	HQAM	12	48	19.98	19.98	19.98	19.98	19.98	21	3
5	HQAM	12	9	19.37	19.42	19.42	19.42	19.42	19	5
5	25GSM	1	0	17.39	17.32	17.32	17.32	17.32	19	5
5	25GSM	1	49	17.26	17.42	17.42	17.42	17.42	19	5
5	25GSM	1	98	17.39	17.39	17.39	17.39	17.39	19	5
5	25GSM	1	24	17.26	17.26	17.26	17.26	17.26	19	5
5	25GSM	12	0	17.37	17.31	17.31	17.31	17.31	19	5
5	25GSM	12	13	17.22	17.29	17.29	17.29	17.29	19	5

Band 38_Ant 9									
BAW Filter	Modulation	RB Size	RB Offset	Power Ch / Power Freq	Power Ch / Power Freq	Power Ch / Power Freq	Time-on-Air (s)	MPEP (dB)	
Channel									
Frequency (MHz)									
26	QPSK	1	0	22.86	22.86	22.86			
26	QPSK	1	49	22.78	22.78	22.78			24
26	QPSK	1	98	22.70	22.70	22.70			24
26	QPSK	50	0	21.30	21.30	21.30			
26	QPSK	50	24	20.86	20.87	21.01			23
26	QPSK	50	49	20.42	20.42	20.42			23
26	QPSK	100	0	21.82	21.82	21.82			
26	16QAM	1	0	21.79	21.79	21.79			
26	16QAM	1	49	21.77	21.79	21.79			23
26	16QAM	1	98	21.74	21.80	21.80			23
26	16QAM	50	0	20.87	20.88	21.01			22
26	16QAM	50	24	20.80	20.88	21.01			22
26	16QAM	50	49	20.73	20.88	21.01			22
26	16QAM	100	0	20.87	20.96	21.05			
26	16QAM	1	0	20.71	20.67	20.62			
26	16QAM	1	49	20.67	20.67	20.62			22
26	16QAM	1	99	20.79	20.77	20.70			
26	16QAM	50	0	19.91	19.91	19.91			
26	16QAM	50	24	19.94	19.91	20.15			21
26	16QAM	50	49	19.94	19.91	20.15			21
26	16QAM	1	0	17.65	17.72	17.82			
26	16QAM	1	49	17.65	17.72	17.82			19
26	16QAM	1	98	17.68	17.68	17.56			19
26	16QAM	50	0	17.48	17.59	17.50			
26	16QAM	50	24	17.48	17.62	17.51			
26	16QAM	50	49	17.50	17.61	17.63			
26	16QAM	100	0	17.52	17.62	17.61			
Channel									
Frequency (MHz)									
37	QPSK	1	0	22.86	22.86	22.86			
37	QPSK	1	49	22.86	22.79	22.81			24
37	QPSK	1	98	22.86	22.59	22.81			24
37	QPSK	1	74	22.80	22.82	22.73			
37	QPSK	50	0	21.84	21.83	21.88			
37	QPSK	50	24	21.81	21.83	21.88			23
37	QPSK	50	49	21.81	21.85	21.85			23
37	QPSK	100	0	21.81	21.81	21.74			
37	16QAM	1	0	21.61	21.70	21.63			
37	16QAM	1	49	21.58	21.70	21.63			
37	16QAM	1	98	21.57	21.70	21.63			
37	16QAM	50	0	20.77	20.82	20.78			22
37	16QAM	50	24	20.73	20.82	20.78			22
37	16QAM	50	49	20.87	20.83	20.85			22
37	16QAM	100	0	20.70	20.80	20.90			
37	16QAM	1	0	20.54	20.54	20.54			
37	16QAM	1	37	20.55	20.59	20.72			22
37	16QAM	1	98	20.55	20.59	20.72			22
37	16QAM	50	0	19.70	19.79	19.70			
37	16QAM	50	24	19.76	19.75	20.02			21
37	16QAM	50	49	19.77	19.77	20.11			21
37	16QAM	100	0	19.89	19.82	19.92			
37	16QAM	1	0	17.60	17.68	17.68			
37	16QAM	1	49	17.60	17.68	17.68			19
37	16QAM	1	98	17.60	17.68	17.68			19
37	16QAM	50	0	17.56	17.57	17.51			
37	16QAM	50	24	17.56	17.61	17.51			
37	16QAM	50	49	17.58	17.61	17.34			19
37	16QAM	100	0	17.56	17.68	17.54			
37	16QAM	1	0	17.60	17.68	17.53			
Channel									
Frequency (MHz)									
40	QPSK	1	0	22.86	22.86	22.78			
40	QPSK	1	25	22.65	22.65	22.81			24
40	QPSK	1	50	22.44	22.44	22.81			24
40	QPSK	25	0	21.85	21.82	21.87			
40	QPSK	25	12	21.81	21.77	21.75			23
40	QPSK	25	37	21.78	21.87	21.75			23
40	QPSK	50	0	21.79	21.71	21.77			
40	QPSK	50	25	21.70	21.71	21.77			23
40	16QAM	1	0	21.73	21.76	21.77			
40	16QAM	1	25	21.73	21.76	21.77			23
40	16QAM	1	49	21.89	21.83	21.75			
40	16QAM	1	74	21.86	21.91	21.75			
40	16QAM	25	0	20.85	20.78	20.75			22
40	16QAM	25	12	20.87	20.87	21.01			22
40	16QAM	25	37	20.84	20.81	21.01			22
40	16QAM	50	0	20.63	20.64	20.65			
40	16QAM	50	25	20.63	20.64	20.65			22
40	16QAM	50	50	20.63	20.64	20.65			22
40	16QAM	1	0	19.82	19.82	19.82			
40	16QAM	1	49	19.82	19.82	19.83			21
40	16QAM	25	0	19.81	19.74	19.87			
40	16QAM	25	12	19.86	19.74	19.87			21
40	16QAM	25	37	19.76	19.71	20.08			21
40	16QAM	50	0	17.58	17.65	17.58			19
40	16QAM	50	25	17.58	17.65	17.58			19
40	16QAM	50	50	17.61	17.59	17.59			19
40	16QAM	25	0	17.34	17.48	17.38			
40	16QAM	25	12	17.34	17.48	17.38			
40	16QAM	25	37	17.42	17.42	17.42			
40	16QAM	50	0	17.52	17.63	17.54			
Channel									
Frequency (MHz)									
43	QPSK	1	0	22.72	22.57	22.75			
43	QPSK	1	24	22.61	22.61	22.61			24
43	QPSK	1	24	22.81	22.68	22.84			24
43	QPSK	12	0	21.89	21.90	21.88			
43	QPSK	12	13	21.79	21.73	21.79			23
43	QPSK	12	13	21.87	21.77	21.86			23
43	QPSK	25	0	21.87	21.87	21.87			
43	16QAM	1	0	21.60	21.64	21.71			
43	16QAM	1	12	21.67	21.64	21.50			23
43	16QAM	1	24	21.67	21.64	21.50			23
43	16QAM	12	0	20.83	20.83	20.79			
43	16QAM	12	13	20.77	20.84	21.01			22
43	16QAM	12	13	20.81	20.84	21.01			22
43	16QAM	25	0	20.75	20.88	21.04			
43	16QAM	25	13	20.75	20.88	21.04			
43	16QAM	1	12	20.52	20.49	20.81			22
43	16QAM	1	24	20.76	20.68	20.81			22
43	16QAM	12	0	19.86	19.86	19.86			
43	16QAM	12	7	19.74	19.87	19.94			21
43	16QAM	12	13	19.74	19.87	19.94			21
43	16QAM	25	0	19.86	19.73	19.70			
43	16QAM	1	0	17.64	17.68	17.68			
43	16QAM	1	12	17.64	17.68	17.68			19
43	16QAM	1	24	17.56	17.54	17.55			
43	16QAM	12	0	17.44	17.44	17.44			
43	16QAM	12	7	17.42	17.58	17.34			19
43	16QAM	12	13	17.36	17.58	17.62			

Band 38_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Time slot (ms)	APR (dB)			
Channel				37860	38000	38150						
Frequency (MHz)												
20	QPSK	1	0	22.24	22.48	20.25						
20	QPSK	1	49	22.29	22.24	22.24		24	0			
20	QPSK	1	23	22.29	22.24	22.24		24	0			
20	QPSK	50	0	21.29	21.55	21.52						
20	QPSK	50	24	21.49	21.37	21.36		23	1			
20	QPSK	50	24	21.49	21.38	21.37		23	1			
20	QPSK	100	0	21.49	21.52	21.48						
20	QPSK	1	21	21.48	21.38	21.37		23	1			
20	16QAM	1	49	21.49	21.48	21.56		23	1			
20	16QAM	50	0	20.59	21.52	21.42						
20	16QAM	50	24	20.59	20.43	20.38		22	2			
20	16QAM	50	24	20.59	20.39	20.30		22	2			
20	16QAM	100	0	20.59	20.43	20.38		22	2			
20	16QAM	100	0	20.59	20.47	20.42						
20	64QAM	1	0	20.34	20.29	20.19						
20	64QAM	1	49	20.34	20.24	20.14		22	2			
20	64QAM	1	50	20.29	20.28	20.31						
20	64QAM	50	24	19.59	19.41	19.36		21	3			
20	64QAM	50	50	19.53	19.40	19.42						
20	256QAM	1	0	17.08	17.25	17.20						
20	256QAM	1	49	17.21	17.13	17.08		19	5			
20	256QAM	1	50	17.13	17.09	17.11						
20	256QAM	50	5	17.13	17.22	17.18						
20	256QAM	50	17	17.14	17.14	17.20						
20	256QAM	50	50	17.21	17.27	17.24		19	5			
20	256QAM	100	0	17.45	17.29	17.26						
Channel												
Frequency (MHz)				20717.6	20861	20915.4	Time slot (ms)	APR (dB)				
16	QPSK	1	0	22.28	22.45	22.25						
16	QPSK	1	49	22.28	22.14	22.14		24	0			
16	QPSK	1	74	22.29	22.20	22.27						
16	QPSK	50	0	21.31	21.30	21.33		23	1			
16	QPSK	50	24	21.31	21.30	21.33		23	1			
16	16QAM	1	0	21.45	21.42	21.36						
16	16QAM	1	77	21.33	21.29	21.34		22	2			
16	16QAM	1	78	21.41	21.47	21.45						
16	16QAM	36	5	20.48	20.39	20.37						
16	16QAM	36	20	20.51	20.48	20.50		22	2			
16	16QAM	36	36	20.48	20.33	20.37						
16	16QAM	75	0	20.42	20.40	20.38						
16	64QAM	1	20	19.59	19.58	19.53		21	3			
16	64QAM	1	37	19.58	19.51	19.53						
16	64QAM	36	5	19.58	19.31	19.33						
16	64QAM	36	20	19.57	19.34	19.35		21	3			
16	64QAM	75	0	19.59	19.25	19.27						
16	64QAM	75	0	19.44	19.44	19.37						
16	256QAM	1	37	17.13	17.16	17.27		19	5			
16	256QAM	1	74	17.09	17.28	17.19						
16	256QAM	36	17	17.13	17.22	17.08						
16	256QAM	36	20	17.15	17.13	17.16		19	5			
16	256QAM	75	0	17.23	17.12	17.20						
16	256QAM	75	0	17.08	17.25	17.25						
Channel												
Frequency (MHz)				20725.2	20865	20919.3	Time slot (ms)	APR (dB)				
8	QPSK	1	0	22.251	22.395	22.173						
8	QPSK	1	25	22.27	22.07	22.21		24	0			
8	QPSK	1	34	22.19	22.08	22.20						
8	QPSK	12	0	21.40	21.38	21.40						
8	QPSK	12	21	21.31	21.29	21.31		23	1			
8	QPSK	12	13	21.29	21.19	21.21		23	1			
8	QPSK	50	0	21.40	21.44	21.46						
8	16QAM	1	24	21.45	21.28	21.45		23	1			
8	16QAM	1	49	21.47	21.38	21.41		23	1			
8	16QAM	12	0	20.59	20.35	20.31						
8	16QAM	12	0	20.59	20.35	20.31						
8	16QAM	12	12	20.59	20.35	20.31						
8	16QAM	12	13	20.59	20.35	20.31						
8	16QAM	25	0	20.42	20.33	20.30		22	2			
8	16QAM	25	0	20.42	20.33	20.30		22	2			
8	64QAM	1	12	20.04	20.09	20.23						
8	64QAM	1	24	20.04	20.14	20.28						
8	64QAM	12	14	19.42	19.38	19.25		21	3			
8	64QAM	12	57	19.52	19.33	19.29		21	3			
8	256QAM	1	12	17.08	17.29	17.18						
8	256QAM	1	0	17.23	17.29	17.26						
8	256QAM	12	0	17.23	17.29	17.24		19	5			
8	256QAM	1	24	17.08	17.27	17.29						
8	256QAM	12	0	17.09	17.26	17.26						
8	256QAM	12	7	17.09	17.21	17.16		19	5			
8	256QAM	12	13	17.20	17.23	17.29						

Band 41_Ant 2													
RF (MHz)	Modulation	RF BW (MHz)	RF Offset	Power Level (dBm)	Time (sec)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)
Chemical Shift (ppm)													
20	QPSK	1	0	19.73	22.46	22.37	22.68	22.68	22.68	22.68	22.68	22.68	22.68
20	QPSK	1	48	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68
20	QPSK	1	96	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68
20	QPSK	50	0	18.80	21.39	21.27	21.67	21.67	21.67	21.67	21.67	21.67	21.67
20	QPSK	50	24	20.86	21.40	21.26	21.75	21.75	21.75	21.75	21.75	21.75	21.75
20	QPSK	50	48	21.08	21.48	21.30	21.83	21.83	21.83	21.83	21.83	21.83	21.83
20	QPSK	50	96	21.94	21.56	21.38	21.77	21.77	21.77	21.77	21.77	21.77	21.77
20	QPSK	50	144	17.46	20.41	20.23	20.75	20.75	20.75	20.75	20.75	20.75	20.75
20	QPSK	50	240	20.50	20.47	20.30	20.71	20.71	20.71	20.71	20.71	20.71	20.71
20	QPSK	50	288	19.46	20.47	20.30	20.71	20.71	20.71	20.71	20.71	20.71	20.71
20	QPSK	500	0	17.82	20.36	20.31	20.73	20.73	20.73	20.73	20.73	20.73	20.73
20	QPSK	1	0	17.51	20.46	20.37	20.58	20.58	20.58	20.58	20.58	20.58	20.58
20	QPSK	1	48	20.47	20.46	20.37	20.58	20.58	20.58	20.58	20.58	20.58	20.58
20	QPSK	1	96	20.77	20.45	20.21	20.62	20.62	20.62	20.62	20.62	20.62	20.62
20	QPSK	50	24	19.56	19.46	19.32	19.75	19.75	19.75	19.75	19.75	19.75	19.75
20	QPSK	50	288	18.69	19.51	19.18	19.76	19.76	19.76	19.76	19.76	19.76	19.76
20	QPSK	50	336	18.71	19.59	19.27	19.75	19.75	19.75	19.75	19.75	19.75	19.75
20	QPSK	1	0	14.59	17.14	17.08	17.28	17.28	17.28	17.28	17.28	17.28	17.28
20	QPSK	1	48	17.46	17.24	17.01	17.18	17.18	17.18	17.18	17.18	17.18	17.18
20	QPSK	1	96	17.47	17.09	16.92	17.15	17.15	17.15	17.15	17.15	17.15	17.15
20	QPSK	50	1	14.87	17.17	17.17	17.23	17.23	17.23	17.23	17.23	17.23	17.23
20	QPSK	50	24	17.47	17.02	16.85	17.05	17.05	17.05	17.05	17.05	17.05	17.05
20	QPSK	50	96	16.89	17.22	17.09	17.28	17.28	17.28	17.28	17.28	17.28	17.28
20	QPSK	500	0	14.74	17.11	17.07	17.24	17.24	17.24	17.24	17.24	17.24	17.24
Frequency (MHz)													
15	QPSK	1	0	20.51	20.51	20.51	20.51	20.51	20.51	20.51	20.51	20.51	20.51
15	QPSK	1	48	19.77	22.38	22.27	22.59	22.59	22.59	22.59	22.59	22.59	22.59
15	QPSK	1	96	22.27	22.33	22.33	22.68	22.68	22.68	22.68	22.68	22.68	22.68
15	QPSK	1	144	22.67	22.43	22.33	22.68	22.68	22.68	22.68	22.68	22.68	22.68
15	QPSK	50	0	18.80	21.39	21.23	21.67	21.67	21.67	21.67	21.67	21.67	21.67
15	QPSK	50	24	21.32	21.38	21.23	21.75	21.75	21.75	21.75	21.75	21.75	21.75
15	QPSK	50	336	20.32	21.32	21.19	21.67	21.67	21.67	21.67	21.67	21.67	21.67
15	QPSK	50	384	18.80	21.39	21.23	21.67	21.67	21.67	21.67	21.67	21.67	21.67
15	QPSK	1	0	18.89	21.38	21.23	21.61	21.61	21.61	21.61	21.61	21.61	21.61
15	QPSK	1	48	21.37	21.38	21.10	21.70	21.70	21.70	21.70	21.70	21.70	21.70
15	QPSK	1	96	21.47	21.38	21.10	21.70	21.70	21.70	21.70	21.70	21.70	21.70
15	QPSK	50	1	17.84	20.30	20.31	20.63	20.63	20.63	20.63	20.63	20.63	20.63
15	QPSK	50	24	20.47	20.42	20.25	20.65	20.65	20.65	20.65	20.65	20.65	20.65
15	QPSK	50	96	19.87	20.47	20.24	20.55	20.55	20.55	20.55	20.55	20.55	20.55
15	QPSK	75	0	17.81	20.47	20.23	20.60	20.77	20.77	20.77	20.77	20.77	20.77
15	QPSK	75	48	20.46	20.42	20.25	20.65	20.65	20.65	20.65	20.65	20.65	20.65
15	QPSK	1	336	20.42	20.37	20.17	20.52	20.58	20.58	20.58	20.58	20.58	20.58
15	QPSK	1	384	18.80	20.36	20.31	20.73	20.73	20.73	20.73	20.73	20.73	20.73
15	QPSK	50	0	16.88	19.37	19.17	19.62	19.85	19.85	19.85	19.85	19.85	19.85
15	QPSK	50	24	19.34	19.31	19.31	19.69	19.79	19.79	19.79	19.79	19.79	19.79
15	QPSK	50	48	19.42	19.38	19.38	19.70	19.79	19.79	19.79	19.79	19.79	19.79
15	QPSK	75	0	16.72	19.31	19.15	19.56	19.67	19.67	19.67	19.67	19.67	19.67
15	QPSK	75	48	19.34	19.38	19.38	19.70	19.79	19.79	19.79	19.79	19.79	19.79
15	QPSK	1	336	17.46	17.09	17.01	17.33	17.27	17.27	17.27	17.27	17.27	17.27
15	QPSK	1	384	17.45	17.02	17.02	17.33	17.28	17.28	17.28	17.28	17.28	17.28
15	QPSK	50	1	17.46	17.02	17.02	17.28	17.28	17.28	17.28	17.28	17.28	17.28
15	QPSK	50	24	17.46	17.02	17.02	17.28	17.28	17.28	17.28	17.28	17.28	17.28
15	QPSK	50	96	16.89	17.18	17.10	17.24	17.40	17.40	17.40	17.40	17.40	17.40
15	QPSK	50	144	16.77	17.14	17.06	17.24	17.40	17.40	17.40	17.40	17.40	17.40
Chemical Shift (ppm)													
20	QPSK	1	0	19.73	22.46	22.37	22.68	22.68	22.68	22.68	22.68	22.68	22.68
20	QPSK	1	48	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68
20	QPSK	1	96	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68
20	QPSK	50	0	18.80	21.39	21.20	21.67	21.67	21.67	21.67	21.67	21.67	21.67
20	QPSK	50	24	21.32	21.34	21.23	21.64	21.64	21.64	21.64	21.64	21.64	21.64
20	QPSK	50	48	18.80	21.24	21.25	21.66	21.66	21.66	21.66	21.66	21.66	21.66
20	QPSK	50	96	21.32	21.34	21.23	21.64	21.64	21.64	21.64	21.64	21.64	21.64
20	QPSK	1	24	21.75	21.21	21.14	21.75	21.75	21.75	21.75	21.75	21.75	21.75
20	QPSK	1	48	21.73	21.60	21.28	21.74	21.80	21.80	21.80	21.80	21.80	21.80
20	QPSK	1	96	21.73	21.60	21.28	21.74	21.80	21.80	21.80	21.80	21.80	21.80
20	QPSK	50	1	20.88	20.41	20.18	20.67	20.80	20.80	20.80	20.80	20.80	20.80
20	QPSK	50	24	19.98	20.37	20.21	20.58	20.94	20.94	20.94	20.94	20.94	20.94
20	QPSK	50	48	19.79	20.49	20.23	20.67	20.94	20.94	20.94	20.94	20.94	20.94
20	QPSK	1	1	17.48	20.45	20.04	20.50	20.67	20.67	20.67	20.67	20.67	20.67
20	QPSK	1	48	17.48	20.45	20.04	20.50	20.67	20.67	20.67	20.67	20.67	20.67
20	QPSK	1	96	20.54	20.33	20.01	20.47	20.74	20.74	20.74	20.74	20.74	20.74
20	QPSK	50	0	16.82	19.28	19.16	19.48	19.79	19.79	19.79	19.79	19.79	19.79
20	QPSK	50	24	19.42	19.19	19.19	19.51	19.82	19.82	19.82	19.82	19.82	19.82
20	QPSK	50	48	18.89	19.43	19.29	19.72	19.95	19.95	19.95	19.95	19.95	19.95
20	QPSK	50	96	19.43	19.43	19.43	19.72	19.95	19.95	19.95	19.95	19.95	19.95
20	QPSK	50	144	14.52	17.18	17.03	17.30	17.40	17.40	17.40	17.40	17.40	17.40
20	QPSK	1	24	17.45	17.21	17.17	17.17	17.37	17.37	17.37	17.37	17.37	17.37
20	QPSK	1	48	17.45	17.21	17.17	17.17	17.37	17.37	17.37	17.37	17.37	17.37
20	QPSK	50	12	16.89	17.16	17.06	17.25	17.40	17.40	17.40	17.40	17.40	17.40
20	QPSK	50	24	16.89	17.16	17.06	17.25	17.40	17.40	17.40	17.40	17.40	17.40
20	QPSK	50	48	14.87	17.11	17.17	17.23	17.52	17.52	17.52	17.52	17.52	17.52
Frequency (MHz)													
15	QPSK	1	0	20.51	20.51	20.51	20.51	20.51	20.51	20.51	20.51	20.51	20.51
15	QPSK	1	48	19.73	22.30	22.26	22.61	22.85	22.85	22.85	22.85	22.85	22.85
15	QPSK	1	96	22.26	22.36	22.36	22.72	22.96	22.96	22.96	22.96	22.96	22.96
15	QPSK	1	144	22.66	22.44	22.31	22.72	22.96	22.96	22.96	22.96	22.96	22.96
15	QPSK	50	0	18.89	21.32	21.16	21.69	21.82	21.82	21.82	21.82	21.82	21.82
15	QPSK	50	24	21.29	21.29	21.14	21.69	21.82	21.82	21.82	21.82	21.82	21.82
15	QPSK	50	48	21.67	21.36	21.13	21.66	21.72	21.72	21.72	21.72	21.72	21.72
15	QPSK	50	96	21.67	21.36	21.13	21.66	21.72	21.72	21.72	21.72	21.72	21.72
15	QPSK	1	0	19.03	20.30	21.21	20.53	21.74	21.74	21.74	21.74	21.74	21.74
15	QPSK	1	48	21.72	21.24	21.11	21.66	21.81	21.81	21.81	21.81	21.81	21.81
15	QPSK	1	96	21.72	21.24	21.11	21.66	21.81	21.81	21.81	21.81	21.81	21.81
15	QPSK	12	0	18.86	20.33	20.28	20.49	20.95	20.95	20.95	20.95	20.95	20.95
15	QPSK	12	48	19.82	20.31	20.22	20.44	20.96	20.96	20.96			

Band 41 (HPUE)_Ant_2													
RF	Modulation	RB Size	RF Offset	Power Level Ch Power	Power Level Ch Power	Power Level Ch Power	Power Level Ch Power	Power Level Ch Power	Power Level Ch Power	Power Level Ch Power	Power Level Ch Power	Time-slot (sec)	MPE (dB)
Channel													
20	QPSK	1	0	39750	45880	49600	45560	45560	45560	45560	45560	27	0
20	QPSK	1	49	25150	25150	25150	25150	25150	25150	25150	25150		
20	QPSK	50	0	20.86	24.31	24.31	24.31	24.31	24.31	24.31	24.31		
20	QPSK	50	49	21.63	24.35	24.35	24.35	24.35	24.35	24.35	24.35		
20	QPSK	150	0	20.74	24.34	24.34	24.32	24.32	24.32	24.32	24.32	28	1
20	QPSK	150	49	21.51	24.33	24.33	24.31	24.31	24.31	24.31	24.31		
20	QPSK	1	49	24.87	24.47	24.22	24.77	24.68	24.68	24.68	24.68		
20	QPSK	50	49	24.98	24.93	24.39	24.98	24.98	24.98	24.98	24.98		
20	QPSK	50	0	21.93	23.33	23.33	23.33	23.33	23.33	23.33	23.33	29	1
20	QPSK	50	49	23.82	23.36	23.12	23.83	23.75	23.75	23.75	23.75		
20	QPSK	150	0	19.81	23.30	23.15	23.85	23.76	23.76	23.76	23.76		
20	QPSK	150	49	18.85	23.39	23.18	23.85	23.86	23.86	23.86	23.86		
20	QPSK	1	0	23.88	23.38	23.12	23.77	23.77	23.77	23.77	23.77	30	1
20	QPSK	1	49	23.88	23.38	23.12	23.77	23.77	23.77	23.77	23.77		
20	QPSK	50	0	22.98	22.47	22.27	22.92	22.92	22.92	22.92	22.92		
20	QPSK	50	49	19.74	22.43	22.27	22.72	22.72	22.72	22.72	22.72		
20	25QAM	1	0	15.79	20.19	20.21	20.57	20.54	20.54	20.54	20.54	22	5
20	25QAM	1	49	20.52	20.21	20.15	20.20	20.20	20.20	20.20	20.20		
20	25QAM	1	74	20.51	20.19	20.21	20.24	20.24	20.24	20.24	20.24		
20	25QAM	50	0	18.83	20.22	20.16	20.27	20.18	20.18	20.18	20.18		
20	25QAM	50	49	18.83	20.22	20.16	20.27	20.18	20.18	20.18	20.18	22	5
20	25QAM	150	0	17.68	20.17	20.11	20.26	20.26	20.26	20.26	20.26		
20	25QAM	150	49	17.68	20.16	20.10	20.26	20.26	20.26	20.26	20.26		
20	25QAM	1	0	20.52	20.16	20.10	20.26	20.26	20.26	20.26	20.26		
Channel													
Frequency (MHz)				2551.5	2549.3	2593	2603.7	2603.5	2603.5	2603.5	2603.5	Time-slot (sec)	MPE (dB)
20	QPSK	1	0	20.92	25.22	25.19	25.41	25.37	25.37	25.37	25.37	27	0
20	QPSK	1	49	25.25	25.28	25.28	25.28	25.28	25.28	25.28	25.28		
20	QPSK	1	74	25.49	25.19	25.16	25.34	25.30	25.30	25.30	25.30		
20	QPSK	50	0	24.50	24.13	24.23	24.38	24.34	24.34	24.34	24.34		
20	QPSK	50	49	21.87	24.18	24.20	24.47	24.43	24.43	24.43	24.43	28	1
20	QPSK	50	74	20.77	24.18	24.20	24.47	24.43	24.43	24.43	24.43		
20	QPSK	1	0	20.15	24.30	24.31	24.54	24.54	24.54	24.54	24.54		
20	QPSK	1	49	24.95	24.33	24.42	24.61	24.58	24.58	24.58	24.58		
20	QPSK	50	0	19.81	23.17	23.13	23.43	23.43	23.43	23.43	23.43	29	2
20	QPSK	50	49	20.83	23.30	23.27	23.33	23.33	23.33	23.33	23.33		
20	QPSK	50	74	20.84	23.23	23.33	23.58	23.64	23.64	23.64	23.64		
20	QPSK	75	0	19.79	23.35	23.20	23.61	23.68	23.68	23.68	23.68		
20	QPSK	75	49	19.82	23.24	23.24	23.49	23.49	23.49	23.49	23.49	30	2
20	QPSK	1	49	23.82	23.31	23.32	23.46	23.46	23.46	23.46	23.46		
20	QPSK	50	0	18.85	22.38	22.24	22.45	22.45	22.45	22.45	22.45		
20	QPSK	50	49	22.27	22.34	22.20	22.64	22.64	22.64	22.64	22.64		
20	QPSK	150	0	19.79	20.39	20.39	20.78	20.78	20.78	20.78	20.78	24	3
20	QPSK	150	49	18.79	22.38	22.33	22.68	22.68	22.68	22.68	22.68		
20	QPSK	1	0	20.52	20.31	20.25	20.33	20.33	20.33	20.33	20.33		
20	QPSK	1	49	20.51	20.30	20.24	20.31	20.31	20.31	20.31	20.31		
20	25QAM	1	0	16.88	20.16	20.20	20.41	20.41	20.41	20.41	20.41	22	5
20	25QAM	1	49	20.44	20.26	20.20	20.24	20.24	20.24	20.24	20.24		
20	25QAM	1	74	20.44	20.26	20.20	20.24	20.24	20.24	20.24	20.24		
20	25QAM	50	0	17.72	20.20	20.07	20.27	20.27	20.27	20.27	20.27		
20	25QAM	50	49	16.87	20.27	20.16	20.27	20.27	20.27	20.27	20.27	22	5
20	25QAM	150	0	15.79	20.16	20.10	20.26	20.26	20.26	20.26	20.26		
20	25QAM	150	49	15.79	20.16	20.10	20.26	20.26	20.26	20.26	20.26		
20	25QAM	1	0	20.52	20.16	20.10	20.26	20.26	20.26	20.26	20.26		
Channel													
Frequency (MHz)				2551.5	2549.3	2593	2603.7	2603.5	2603.5	2603.5	2603.5	Time-slot (sec)	MPE (dB)
20	QPSK	1	0	20.88	25.12	25.20	25.39	25.35	25.35	25.35	25.35	27	0
20	QPSK	1	49	25.38	25.20	25.09	25.34	25.46	25.46	25.46	25.46		
20	QPSK	1	74	25.38	25.16	25.13	25.34	25.30	25.30	25.30	25.30		
20	QPSK	50	0	21.84	24.57	24.38	24.49	24.75	24.75	24.75	24.75		
20	QPSK	50	49	24.59	24.20	24.11	24.46	24.46	24.46	24.46	24.46	28	1
20	QPSK	50	74	24.59	24.16	24.13	24.46	24.46	24.46	24.46	24.46		
20	QPSK	1	0	21.76	24.33	24.17	24.48	24.48	24.48	24.48	24.48		
20	QPSK	1	49	24.81	24.33	24.24	24.61	24.61	24.61	24.61	24.61		
20	QPSK	1	74	24.84	24.42	24.38	24.61	24.65	24.65	24.65	24.65	29	1
20	QPSK	50	0	21.84	24.42	24.38	24.61	24.65	24.65	24.65	24.65		
20	QPSK	1	49	24.78	24.67	24.46	24.84	24.84	24.84	24.84	24.84		
20	QPSK	50	49	24.83	24.52	24.48	24.84	24.84	24.84	24.84	24.84		
20	QPSK	150	0	23.59	23.16	23.33	23.52	23.68	23.68	23.68	23.68	29	2
20	QPSK	150	49	22.78	23.33	23.23	23.50	23.71	23.71	23.71	23.71		
20	QPSK	1	49	23.81	23.34	23.25	23.41	23.41	23.41	23.41	23.41		
20	QPSK	50	0	18.87	23.21	23.34	23.62	23.77	23.77	23.77	23.77		
20	QPSK	50	49	19.83	23.30	23.30	23.62	23.62	23.62	23.62	23.62	29	2
20	QPSK	150	0	19.81	23.30	23.32	23.76	23.76	23.76	23.76	23.76		
20	QPSK	150	49	19.81	23.25	23.32	23.76	23.76	23.76	23.76	23.76		
20	QPSK	1	49	19.87	22.28	22.22	22.46	22.46	22.46	22.46	22.46		
20	QPSK	1	0	22.92	22.39	22.39	22.44	22.44	22.44	22.44	22.44	24	3
20	QPSK	1	49	22.92	22.39	22.39	22.44	22.44	22.44	22.44	22.44		
20	QPSK	50	0	21.75	22.41	22.28	22.63	22.63	22.63	22.63	22.63		
20	QPSK	50	49	20.81	22.44	22.28	22.64	22.64	22.64	22.64	22.64		
20	25QAM	1	0	15.76	20.24	20.15	20.34	20.32	20.32	20.32	20.32	22	5
20	25QAM	1	49	20.48	20.32	20.14	20.19	20.31	20.31	20.31	20.31		
20	25QAM	1	74	20.48	20.32	20.14	20.19	20.31	20.31	20.31	20.31		
20	25QAM	50	0	16.81	20.25	20.19	20.28	20.28	20.28	20.28	20.28		
20	25QAM	50	49	17.93	20.26	20.31	20.28	20.26	20.26	20.26	20.26	22	5
20	25QAM	150	0	16.81	20.26	20.22	20.30	20.30	20.30	20.30	20.30		
20	25QAM	150	49	16.81	20.26	20.22	20.30	20.30	20.30	20.30	20.30		
20	25QAM	1	0	20.52	20.26	20.22	20.30	20.30	20.30	20.30	20.30		
20	25QAM	1	49	20.51	20.26	20.22	20.30	20.30	20.30	20.30	20.30	22	5
20	25QAM	1	74	20.51	20.26	20.22	20.30	20.30	20.30	20.30	20.30		
20	25QAM	50	0	17.93	20.25	20.21	20.21	20.47	20.47	20.47	20.47		
20	25QAM	50	49	17.93	20.24	20.21	20.21	20.47	20.47	20.47	20.47		
Channel													
Frequency (MHz)				2458.5	2548.9	2593	2603.3	2603.5	2603.5	2603.5	2603.5	Time-slot (sec)	MPE (dB)
20	QPSK	1	0	22.27	25.27	25.30	25.48	25.48	25.48	25.48	25.48	27	0
20	QPSK	1	49	25.48	25.27	25.26	25.48	25.48	25.48	25.48	25.48		
20	QPSK	1	74	25.48	25.23	25.25	25.52	25.52	25.52	25.52	25.52		
20	QPSK	50	0	21.86	24.18	24.30	24.46	24.46	24.46	24.46	24.46		
20	QPSK	50	49	21.82	24.17	24.28	24.46	24.46	24.46	24.46	24.46	28	1
20	QPSK	50	74	21.82	24.17	24.28	24.46	24.46	24.46	24.46	24.46		
20	QPSK	12	13	24.58	24.32	24.25	24.54	24.61	24.61	24.61	24.61		
20	QPSK	12	14	24.58	24.32	24.25	24.54	24.61	24.61	24.61	24.61		
20	QPSK	1	0	22.11	24.39	24.33	24.53	24.63	24.63	24.63	24.63	29	1
20	QPSK	1	49	24.71	24.39	24.29	24.72	24.73	24.73	24.73	24.73		
20	QPSK	12	0	20.84	23.28	23.22	23.38	23.62	23.62	23.62	23.62		
20	QPSK	12	7	20.84	23.24	23.23	23.54	23.62	23.62	23.62	23.62		
20	QPSK	1	0	23.1									

Band 41_Ant 9												
BW (MHz)	Modulation	RB Sub	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Time-slot (ms)	MPR (dB)
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.09	22.02	22.08	22.08	22.08	22.08	22.08	24	0
20	QPSK	1	49	20.09	22.01	22.01	22.01	22.01	22.01	22.01	24	0
20	QPSK	50	0	19.19	21.82	20.68	21.84	22.08	22.08	22.08	21	1
20	QPSK	50	24	21.02	21.86	21.86	21.86	21.86	21.86	21.86	21	1
20	QPSK	100	0	19.08	21.82	21.81	21.84	22.08	22.08	22.08	21	1
20	QPSK	100	24	22.04	21.81	21.83	21.88	22.09	22.09	22.09	21	1
20	QPSK	150	0	17.73	21.84	21.84	21.84	22.08	22.08	22.08	21	1
20	HQPSK	50	24	21.10	20.84	20.89	21.06	21.41	21.41	21.41	22	2
20	HQPSK	100	0	18.15	20.84	20.82	20.98	21.43	21.43	21.43	22	2
20	HQPSK	1	0	17.84	20.65	20.60	20.85	21.08	21.08	21.08	21	1
20	HQPSK	1	49	17.84	20.65	20.60	20.85	21.08	21.08	21.08	21	1
20	HQPSK	50	0	20.80	20.68	20.48	20.50	21.21	21.21	21.21	21	1
20	HQPSK	50	24	22.02	21.83	21.84	21.84	21.84	21.84	21.84	21	1
20	HQPSK	100	0	19.08	21.88	19.84	20.56	20.74	20.74	20.74	21	1
20	HQPSK	100	24	21.04	21.88	21.88	21.88	21.88	21.88	21.88	21	1
20	HQPSK	150	0	14.91	17.47	17.45	17.48	17.88	17.88	17.88	19	5
20	HQPSK	150	24	17.63	17.47	17.35	17.38	18.19	18.19	18.19	19	5
20	HQPSK	1	0	15.36	17.47	17.47	17.47	17.88	18.19	18.19	19	5
20	HQPSK	1	49	15.36	17.47	17.47	17.47	17.88	18.19	18.19	19	5
20	HQPSK	50	0	17.06	17.56	17.31	17.84	18.07	18.07	18.07	19	5
20	HQPSK	50	24	19.12	17.48	17.30	17.83	17.89	17.89	17.89	19	5
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.09	22.01	22.01	22.01	22.01	22.01	22.01	24	0
15	QPSK	1	49	20.09	22.01	22.01	22.01	22.01	22.01	22.01	24	0
15	QPSK	1	74	22.09	22.71	22.47	23.02	23.26	23.26	23.26	21	1
15	QPSK	1	99	21.96	21.88	21.96	21.95	22.03	22.03	22.03	21	1
15	QPSK	36	0	20.88	21.78	21.58	21.52	22.22	22.22	22.22	21	1
15	QPSK	36	24	22.02	21.65	21.65	21.65	21.65	21.65	21.65	21	1
15	HQPSK	1	0	19.17	21.77	21.59	21.71	22.31	22.31	22.31	21	1
15	HQPSK	1	49	21.06	21.74	21.87	21.91	22.49	22.49	22.49	21	1
15	HQPSK	1	74	21.08	21.88	21.88	21.88	21.88	21.88	21.88	21	1
15	HQPSK	36	0	18.18	20.73	20.61	20.78	21.38	21.38	21.38	22	2
15	HQPSK	36	24	20.72	20.63	20.63	20.63	20.63	20.63	20.63	22	2
15	HQPSK	36	99	19.83	20.69	20.50	20.89	21.37	21.37	21.37	22	2
15	HQPSK	75	0	18.11	20.82	20.59	20.92	21.38	21.38	21.38	22	2
15	HQPSK	75	24	20.76	20.73	20.73	20.73	21.38	21.38	21.38	22	2
15	HQPSK	1	0	17.84	20.65	20.60	20.85	21.08	21.08	21.08	21	1
15	HQPSK	1	49	17.84	20.65	20.60	20.85	21.08	21.08	21.08	21	1
15	HQPSK	50	0	17.20	19.93	19.90	19.95	20.32	20.32	20.32	21	1
15	HQPSK	50	24	20.03	18.84	18.98	19.34	20.31	20.31	20.31	21	1
15	HQPSK	50	99	17.48	18.84	18.84	18.84	19.34	19.34	19.34	21	1
15	HQPSK	75	0	17.09	18.81	18.96	19.81	20.28	20.28	20.28	21	1
15	HQPSK	75	24	19.46	18.81	18.81	18.81	19.34	19.34	19.34	21	1
15	HQPSK	1	0	17.61	17.49	17.30	17.53	17.79	17.79	17.79	19	5
15	HQPSK	1	49	17.63	17.47	17.42	17.73	18.08	18.08	18.08	19	5
15	HQPSK	1	74	17.63	17.45	17.45	17.45	17.88	18.19	18.19	19	5
15	HQPSK	36	0	17.88	17.51	17.27	17.57	18.02	18.02	18.02	19	5
15	HQPSK	36	24	18.80	17.49	17.44	17.77	18.04	18.04	18.04	19	5
15	HQPSK	36	99	17.00	17.52	17.38	17.88	18.19	18.19	18.19	19	5
Channel												
Frequency (MHz)												
30	QPSK	1	0	39.700	40.600	40.600	40.600	41.500	41.500	41.500	24	0
30	QPSK	1	49	39.701	40.599	40.599	40.599	41.499	41.499	41.499	24	0
30	QPSK	1	24	40.601	42.73	42.97	43.08	43.22	43.22	43.22	21	1
30	QPSK	1	36	42.99	42.60	42.57	42.78	43.29	43.29	43.29	21	1
30	QPSK	1	74	42.99	42.73	42.71	42.78	43.29	43.29	43.29	21	1
30	QPSK	1	20	40.60	41.83	41.90	41.95	42.85	42.85	42.85	21	1
30	QPSK	15	0	42.02	41.83	41.88	41.77	42.24	42.24	42.24	21	1
30	QPSK	15	49	42.02	41.83	41.88	41.77	42.24	42.24	42.24	21	1
30	QPSK	50	0	38.90	41.76	41.45	41.76	42.22	42.22	42.22	21	1
30	QPSK	50	24	41.96	41.76	41.76	41.76	42.22	42.22	42.22	21	1
30	HQPSK	1	0	21.96	21.85	21.71	21.75	22.43	22.43	22.43	21	1
30	HQPSK	1	49	22.02	21.83	21.44	21.84	22.25	22.25	22.25	21	1
30	HQPSK	1	74	21.89	21.83	21.83	21.83	21.83	21.83	21.83	21	1
30	HQPSK	15	0	21.06	20.83	20.48	20.80	21.32	21.32	21.32	22	2
30	HQPSK	15	24	19.91	20.69	20.53	20.91	21.39	21.39	21.39	22	2
30	HQPSK	15	99	18.04	20.76	20.59	20.92	21.37	21.37	21.37	22	2
30	HQPSK	1	0	17.78	20.49	20.25	20.81	20.98	20.98	20.98	21	1
30	HQPSK	1	49	20.53	20.49	20.49	20.49	20.98	20.98	20.98	21	1
30	HQPSK	1	74	20.67	20.57	20.48	20.72	21.10	21.10	21.10	21	1
30	HQPSK	15	0	17.18	18.86	19.83	19.98	20.37	20.37	20.37	21	1
30	HQPSK	15	49	20.02	19.89	19.89	19.89	20.37	20.37	20.37	21	1
30	HQPSK	20	0	19.01	19.75	19.63	20.25	20.30	20.30	20.30	21	1
30	HQPSK	20	24	21.82	19.75	19.75	19.75	20.30	20.30	20.30	21	1
30	HQPSK	1	0	14.87	17.03	17.41	17.85	18.14	18.14	18.14	19	5
30	HQPSK	1	26	17.49	17.44	17.42	17.68	18.02	18.02	18.02	19	5
30	HQPSK	1	77	17.73	17.43	17.43	17.43	17.86	18.02	18.02	19	5
30	HQPSK	20	0	16.26	17.09	17.39	17.86	18.10	18.10	18.10	19	5
30	HQPSK	20	24	17.66	17.09	17.09	17.09	17.86	18.04	18.04	19	5
30	HQPSK	20	99	17.02	17.09	17.28	17.82	18.02	18.02	18.02	19	5
30	HQPSK	50	0	14.93	17.00	17.20	17.68	18.04	18.04	18.04	19	5
Channel												
Frequency (MHz)												
51	QPSK	1	0	24.85	25.45	25.45	25.45	26.80	26.80	26.80	24	0
51	QPSK	1	49	24.85	25.45	25.45	25.45	26.80	26.80	26.80	24	0
51	QPSK	1	24	25.98	26.74	26.51	26.97	27.23	27.23	27.23	21	1
51	QPSK	12	0	26.22	21.77	21.97	21.98	22.22	22.22	22.22	21	1
51	QPSK	12	49	21.89	21.79	21.87	21.93	22.22	22.22	22.22	21	1
51	QPSK	15	18	21.84	21.77	21.52	21.94	22.21	22.21	22.21	21	1
51	HQPSK	1	0	18.61	21.63	21.63	21.63	22.21	22.21	22.21	21	1
51	HQPSK	1	49	20.23	21.90	21.90	21.90	21.56	21.52	21.52	21	1
51	HQPSK	1	12	21.02	21.87	21.79	21.85	22.48	22.48	22.48	21	1
51	HQPSK	1	24	21.08	21.60	21.61	21.61	21.61	21.61	21.61	21	1
51	HQPSK	12	0	19.22	20.88	20.48	20.85	21.38	21.38	21.38	22	2
51	HQPSK	12	49	19.26	20.76	20.50	20.88	21.23	21.23	21.23	22	2
51	HQPSK	15	0	19.32	20.74	20.58	20.81	21.38	21.38	21.38	22	2
51	HQPSK	15	49	20.83	20.53	20.37	20.78	21.38	21.38	21.38	22	2
51	HQPSK	1	0	20.78	20.55	20.15	20.75	20.98	20.98	20.98	21	1
51	HQPSK	1	24	20.83	20.48	20.35	20.85	21.07	21.07	21.07	21	1
51	HQPSK	12	0	17.77	18.70	18.70	18.70	18.87	18.87	18.87	21	1
51	HQPSK	12	49	18.13	18.70	18.56	18.88	20.37	20.37	20.37	21	1
51	HQPSK	15	0	17.80	18.70	18.56	18.88	20.37	20.37	20.37	21	1
51	HQPSK	15	49	18.30	18.84	19.55	19.87	20.37	20.37	20.37	21	1
51	HQPSK	1	0	16.51	17.41	17.35	17.77	18.18	18.18	18.18	19	5
51	HQPSK	1	24	17.73	17.41	17.41	17.41	17.86	18.02	18.02	19	5
51	HQPSK	1	74	17.61	17.46	17.46	17.41	17.81	18.01	18.01	19	5
51	HQPSK	1	99	17.61	17.46	17.46	17.41	17.81	18.01	18.01	19	5
51	HQPSK	12	0	16.37	17.42	17.33	17.75	18.00	18.00	18.00	19	5
51	HQPSK	12	49	17.63	17.48	17.37	17.79	18.09	18.09	18.09	19	5
51	HQPSK	15	0	16.27	17.48	17.38	17.82	18.01	18.01	18.01	19	5

Band 41 (HPUE)_Ant 9													
RF Modulation	RF Rate	RF 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-up (mW)	MPR (dB)	
Channel													
Frequency (MHz)													
20	QPSK	1	0	21.40	25.58	25.26	25.88	26.20			27	0	
20	QPSK	1	80	21.50	25.68	25.36	25.98	26.30					
20	QPSK	1	90	25.78	25.68	25.34	25.69	25.29					
20	QPSK	25	0	21.54	24.40	24.41	24.54	25.35					
20	QPSK	25	80	21.52	24.74	24.46	24.88	25.35			26	1	
20	QPSK	25	90	25.82	24.88	24.68	25.25	25.52					
20	QPSK	50	0	20.80	24.80	24.62	24.87	25.49					
20	QPSK	50	80	20.80	24.84	24.71	25.07	25.46			26	1	
20	QPSK	50	90	25.92	24.88	24.68	25.25	25.52					
20	QPSK	100	0	20.42	25.73	25.45	25.81	26.35					
20	QPSK	100	80	20.42	25.74	25.45	25.82	26.29			25	2	
20	QPSK	100	90	25.92	25.78	25.48	25.84	26.39					
20	QPSK	150	0	20.22	25.78	25.48	25.87	26.34					
20	QPSK	150	80	20.22	25.78	25.48	25.87	26.34			25	2	
20	QPSK	150	90	25.92	25.71	25.47	25.89	26.39					
20	QPSK	200	0	20.81	25.80	25.59	26.10	26.41					
20	QPSK	200	80	20.81	25.78	25.57	25.96	26.35					
20	QPSK	200	90	25.98	25.88	25.61	26.08	26.40			24	3	
20	QPSK	250	0	19.26	25.81	25.63	25.96	26.38					
20	QPSK	250	80	19.26	25.81	25.63	25.96	26.38					
20	QPSK	250	90	25.98	25.71	25.43	25.82	26.35			22	5	
20	QPSK	300	0	19.45	25.78	25.61	25.96	26.35					
20	QPSK	300	80	19.45	25.78	25.61	25.96	26.35					
20	QPSK	300	90	25.98	25.67	25.42	25.86	26.32			22	5	
20	QPSK	350	0	17.88	25.62	25.37	25.76	26.32					
20	QPSK	350	80	17.88	25.62	25.37	25.76	26.32					
20	QPSK	350	90	25.92	25.52	25.27	25.66	26.29			22	5	
20	QPSK	400	0	17.88	25.52	25.27	25.66	26.29					
20	QPSK	400	80	17.88	25.52	25.27	25.66	26.29					
20	QPSK	400	90	25.92	25.42	25.17	25.56	26.26			22	5	
20	QPSK	450	0	17.88	25.42	25.17	25.56	26.26					
20	QPSK	450	80	17.88	25.42	25.17	25.56	26.26					
20	QPSK	450	90	25.92	25.32	25.07	25.46	26.23			22	5	
20	QPSK	500	0	17.88	25.32	25.07	25.46	26.23					
20	QPSK	500	80	17.88	25.32	25.07	25.46	26.23					
20	QPSK	500	90	25.92	25.22	24.97	25.36	26.20			22	5	
20	QPSK	550	0	17.88	25.22	24.97	25.36	26.20					
20	QPSK	550	80	17.88	25.22	24.97	25.36	26.20					
20	QPSK	550	90	25.92	25.12	24.87	25.26	26.17			22	5	
20	QPSK	600	0	17.88	25.12	24.87	25.26	26.17					
20	QPSK	600	80	17.88	25.12	24.87	25.26	26.17					
20	QPSK	600	90	25.92	25.02	24.77	25.16	26.14			22	5	
20	QPSK	650	0	17.88	25.02	24.77	25.16	26.14					
20	QPSK	650	80	17.88	25.02	24.77	25.16	26.14					
20	QPSK	650	90	25.92	24.92	24.67	25.06	26.11			22	5	
20	QPSK	700	0	17.88	24.92	24.67	25.06	26.11					
20	QPSK	700	80	17.88	24.92	24.67	25.06	26.11					
20	QPSK	700	90	25.92	24.82	24.57	24.96	26.08			22	5	
20	QPSK	750	0	17.88	24.82	24.57	24.96	26.08					
20	QPSK	750	80	17.88	24.82	24.57	24.96	26.08					
20	QPSK	750	90	25.92	24.72	24.47	24.86	26.05			22	5	
20	QPSK	800	0	17.88	24.72	24.47	24.86	26.05					
20	QPSK	800	80	17.88	24.72	24.47	24.86	26.05					
20	QPSK	800	90	25.92	24.62	24.37	24.76	26.02			22	5	
20	QPSK	850	0	17.88	24.62	24.37	24.76	26.02					
20	QPSK	850	80	17.88	24.62	24.37	24.76	26.02					
20	QPSK	850	90	25.92	24.52	24.27	24.66	25.99			22	5	
20	QPSK	900	0	17.88	24.52	24.27	24.66	25.99					
20	QPSK	900	80	17.88	24.52	24.27	24.66	25.99					
20	QPSK	900	90	25.92	24.42	24.17	24.56	25.96			22	5	
20	QPSK	950	0	17.88	24.42	24.17	24.56	25.96					
20	QPSK	950	80	17.88	24.42	24.17	24.56	25.96					
20	QPSK	950	90	25.92	24.32	24.07	24.46	25.93			22	5	
20	QPSK	1000	0	17.88	24.32	24.07	24.46	25.93					
20	QPSK	1000	80	17.88	24.32	24.07	24.46	25.93					
20	QPSK	1000	90	25.92	24.22	23.97	24.36	25.90			22	5	
20	QPSK	1050	0	17.88	24.22	23.97	24.36	25.90					
20	QPSK	1050	80	17.88	24.22	23.97	24.36	25.90					
20	QPSK	1050	90	25.92	24.12	23.87	24.26	25.87			22	5	
20	QPSK	1100	0	17.88	24.12	23.87	24.26	25.87					
20	QPSK	1100	80	17.88	24.12	23.87	24.26	25.87					
20	QPSK	1100	90	25.92	24.02	23.77	24.16	25.84			22	5	
20	QPSK	1150	0	17.88	24.02	23.77	24.16	25.84					
20	QPSK	1150	80	17.88	24.02	23.77	24.16	25.84					
20	QPSK	1150	90	25.92	23.92	23.67	24.06	25.81			22	5	
20	QPSK	1200	0	17.88	23.92	23.67	24.06	25.81					
20	QPSK	1200	80	17.88	23.92	23.67	24.06	25.81					
20	QPSK	1200	90	25.92	23.82	23.57	23.96	25.78			22	5	
20	QPSK	1250	0	17.88	23.82	23.57	23.96	25.78					
20	QPSK	1250	80	17.88	23.82	23.57	23.96	25.78					
20	QPSK	1250	90	25.92	23.72	23.47	23.86	25.75			22	5	
20	QPSK	1300	0	17.88	23.72	23.47	23.86	25.75					
20	QPSK	1300	80	17.88	23.72	23.47	23.86	25.75					
20	QPSK	1300	90	25.92	23.62	23.37	23.76	25.72			22	5	
20	QPSK	1350	0	17.88	23.62	23.37	23.76	25.72					
20	QPSK	1350	80	17.88	23.62	23.37	23.76	25.72					
20	QPSK	1350	90	25.92	23.52	23.27	23.66	25.69			22	5	
20	QPSK	1400	0	17.88	23.52	23.27	23.66	25.69					
20	QPSK	1400	80	17.88	23.52	23.27	23.66	25.69					
20	QPSK	1400	90	25.92	23.42	23.17	23.56	25.66			22	5	
20	QPSK	1450	0	17.88	23.42	23.17	23.56	25.66					
20	QPSK	1450	80	17.88	23.42	23.17	23.56	25.66					
20	QPSK	1450	90	25.92	23.32	23.07	23.46	25.63			22	5	
20	QPSK	1500	0	17.88	23.32	23.07	23.46	25.63					
20	QPSK	1500	80	17.88	23.32	23.07	23.46	25.63					
20	QPSK	1500	90	25.92	23.22	22.97	23.36	25.60			22	5	
20	QPSK	1550	0	17.88	23.22	22.97	23.36	25.60					
20	QPSK	1550	80	17.88	23.22	22.97	23.36	25.60					
20	QPSK	1550	90	25.92	23.12	22.87	23.26	25.57			22	5	
20	QPSK	1600	0	17.88	23.12	22.87	23.26	25.57					
20	QPSK	1600	80	17.88	23.12	22.87	23.26	25.57					
20	QPSK	1600	90	25.92	23.02	22.77	23.16	25.54			22	5	
20	QPSK	1650	0	17.88	23.02	22.77	23.16	25.54					
20	QPSK	1650	80	17.88	23.02	22.77	23.16	25.54					
20	QPSK	1650	90	25.92	22.92	22.67	23.06	25.51			22	5	
20	QPSK	1700	0	17.88	22.92	22.67	23.06	25.51					
20	QPSK	1700	80	17.88	22.92	22.67	23.06	25.51					
20	QPSK	1700	90	25.92	22.82	22.57	22.96	25.48			22	5	
20	QPSK	1750	0	17.88	22.82	22.57	22.96	25.48					
20	QPSK	1750	80	17.88	22.82	22.57	22.96	25.48					
20	QPSK	1750	90	25.92	22.72	22.47	22.86	25.45			22	5	
20	QPSK	1800	0	17.88	22.72	22.47	22.86	25.45					
20	QPSK	1800	80	17.88	22.72	22.47	22.86	25.45					

Part 27Q_Band 42_Ant 7										
RF Modulation	RF Mod	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up (min)	MPR (dB)			
Channel			42190	42590	42600					
Frequency (MHz)			3460	3620	3620					
20 QPSK	1	0	22.25	22.43	22.50	24	0			
20 QPSK	1	49	22.32	22.46	22.54					
20 QPSK	1	99	22.29	22.35	22.14					
20 QPSK	50	0	22.35	22.35	22.35					
20 QPSK	50	24	21.35	21.35	21.35	23	1			
20 QPSK	50	50	21.36	21.36	21.34					
20 QPSK	100	0	21.35	21.35	21.31					
20 HQPSK	1	0	21.13	21.13	21.17					
20 HQPSK	1	49	21.12	21.20	21.14	23	1			
20 HQPSK	1	99	21.02	21.09	21.05					
20 HQPSK	50	0	20.38	20.45	20.33					
20 HQPSK	50	24	20.32	20.34	20.31					
20 HQPSK	50	50	20.32	20.34	20.33	22	2			
20 HQPSK	100	0	20.36	20.34	20.39					
20 HQPSK	1	0	20.53	20.28	20.29					
20 HQPSK	1	49	20.19	20.26	20.26					
20 HQPSK	1	99	20.12	20.22	20.17	21	3			
20 HQPSK	50	0	19.35	19.38	19.35					
20 HQPSK	50	24	19.37	19.40	19.38					
20 HQPSK	100	0	19.38	19.37	19.37					
20 HQPSK	1	0	17.53	17.28	17.41	19	5			
20 HQPSK	1	49	17.46	17.29	17.28					
20 HQPSK	1	99	17.25	17.25	17.15					
20 HQPSK	50	0	17.26	17.26	17.15					
20 HQPSK	50	24	17.41	17.34	17.31	19	5			
20 HQPSK	50	50	17.42	17.29	17.31					
20 HQPSK	100	0	17.26	17.26	17.27					
20 HQPSK	100	0	17.26	17.26	17.27					
Channel			42190	42590	42600	Time-up (min)	MPR (dB)			
Frequency (MHz)			3462.5	3620	3642.5					
16 QPSK	1	0	22.28	22.28	22.28	24	0			
16 QPSK	1	37	22.31	22.18	22.07					
16 QPSK	1	74	22.23	22.15	22.04					
16 QPSK	50	0	21.33	21.38	21.35					
16 QPSK	50	20	21.30	21.24	21.25	23	1			
16 QPSK	50	50	21.32	21.24	21.19					
16 QPSK	75	0	21.38	21.02	21.19					
16 HQPSK	1	0	21.03	21.04	21.19					
16 HQPSK	1	37	21.04	21.07	21.08	23	1			
16 HQPSK	1	74	21.07	21.11	21.09					
16 HQPSK	50	0	20.25	20.29	20.26					
16 HQPSK	50	20	20.25	20.24	20.29					
16 HQPSK	50	50	20.30	20.23	20.15	22	2			
16 HQPSK	75	0	20.17	20.24	20.26					
16 HQPSK	1	0	20.52	20.18	20.12					
16 HQPSK	1	37	20.13	20.08	20.01					
16 HQPSK	1	74	20.07	20.14	20.15	21	3			
16 HQPSK	50	0	19.28	19.38	19.32					
16 HQPSK	50	20	19.15	19.15	19.20					
16 HQPSK	75	0	19.22	19.28	19.29					
16 HQPSK	1	0	17.45	17.25	17.37	19	5			
16 HQPSK	1	37	17.42	17.38	17.29					
16 HQPSK	1	74	17.25	17.28	17.08					
16 HQPSK	50	0	17.35	17.34	17.17					
16 HQPSK	50	20	17.20	17.24	17.26	19	5			
16 HQPSK	50	50	17.25	17.26	17.15					
16 HQPSK	75	0	17.25	17.08	17.15					
16 HQPSK	75	0	17.25	17.08	17.15					
Channel			42190	42590	42600	Time-up (min)	MPR (dB)			
Frequency (MHz)			3462.5	3620	3642.5					
10 QPSK	1	0	22.25	22.24	22.14	24	0			
10 QPSK	1	25	22.25	22.22	22.12					
10 QPSK	1	50	22.25	22.25	22.15					
10 QPSK	25	0	21.29	21.21	21.14					
10 QPSK	25	12	21.10	21.13	21.10	23	1			
10 QPSK	25	25	21.11	21.17	21.16					
10 QPSK	50	0	21.11	21.13	21.12					
10 HQPSK	1	0	21.04	21.04	21.10					
10 HQPSK	1	25	21.04	21.05	21.13	23	1			
10 HQPSK	1	50	21.06	21.17	21.05					
10 HQPSK	1	49	21.09	21.05	21.09					
10 HQPSK	25	0	20.28	20.11	20.15					
10 HQPSK	25	12	20.27	20.19	20.16	22	2			
10 HQPSK	50	0	20.18	20.25	20.22					
10 HQPSK	50	50	20.36	20.29	20.32					
10 HQPSK	1	0	20.34	20.18	20.10					
10 HQPSK	1	49	20.04	20.15	20.02	22	2			
10 HQPSK	25	0	19.21	19.24	19.34					
10 HQPSK	25	12	19.31	19.30	19.19					
10 HQPSK	50	0	19.28	19.30	19.24					
10 HQPSK	1	0	17.25	17.21	17.30	19	5			
10 HQPSK	1	49	17.15	17.18	17.08					
10 HQPSK	1	25	17.35	17.34	17.22					
10 HQPSK	25	0	17.25	17.25	17.25					
10 HQPSK	25	12	17.22	17.22	17.18	19	5			
10 HQPSK	25	25	17.22	17.23	17.26					
10 HQPSK	50	0	17.24	17.21	17.19					
10 HQPSK	50	0	17.24	17.21	17.19					

Part 96_Band 42_Ant 7										
RF Modulation	RF Mod	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up (min)	MPR (dB)			
Channel			43190	43340	43400					
Frequency (MHz)			3670	3675	3680					
20 QPSK	1	0	22.21	22.24	22.24	24	0			
20 QPSK	1	49	22.17	22.18	22.11					
20 QPSK	1	99	22.14	22.14	22.13					
20 QPSK	50	0	21.25	21.30	21.37					
20 HQPSK	50	24	21.27	21.24	21.16	23	1			
20 HQPSK	50	50	21.27	21.24	21.13					
20 HQPSK	1	0	21.09	21.04	21.05					
20 HQPSK	1	49	21.01	21.08	21.05					
20 HQPSK	50	0	21.03	21.05	21.05	22	2			
20 HQPSK	50	24	20.32	20.30	20.31					
20 HQPSK	50	50	20.32	20.33	20.35					
20 HQPSK	100	0	20.35	20.28	20.29					
20 HQPSK	1	0	20.42	20.14	20.21	21	3			
20 HQPSK	1	49	20.12	20.16	20.16					
20 HQPSK	1	99	20.00	20.17	20.04					
20 HQPSK	50	0	19.32	19.27	19.33					
20 HQPSK	50	24	19.24	19.31	19.31					
20 HQPSK	50	50	19.23	19.23	19.23	21	3			
20 HQPSK	50	99	19.22	19.23	19.29					
20 HQPSK	1	0	17.52	17.58	17.59					
20 HQPSK	1	49	17.42	17.53	17.54					
20 HQPSK	1	99	17.14	17.18	17.18	20	5			
20 HQPSK	50	0	17.34	17.34	17.37					
20 HQPSK	50	24	17.11	17.12	17.22					
20 HQPSK	50	50	17.36	17.18	17.17					
20 HQPSK	50	99	17.22	17.20	17.13					
Frequency (MHz)			3675 <th>3675</th> <th>3680<th></th><th></th><th colspan="3"></th></th>	3675	3680 <th></th> <th></th> <th colspan="3"></th>					
15 QPSK	1	0	22.19	22.23	22.02	24	0			
15 QPSK	1	49	22.02	22.02	22.02					
15 QPSK	1	74	22.08	22.11	22.12					
15 QPSK	50	0	21.19	21.26	21.27					
15 HQPSK	50	36	21.27	21.21	21.12	23	1			
15 HQPSK	50	74	21.23	21.16	21.18					
15 HQPSK	1	0	21.04	21.11	21.15					
15 HQPSK	1	31	21.07	21.11	21.01					
15 HQPSK	1	56	21.10	21.08	21.04	22	2			
15 HQPSK	36	0	20.27	20.42	20.21					
15 HQPSK	36	36	20.27	20.28	20.33					
15 HQPSK	36	59	20.17	20.25	20.30					
15 HQPSK	75	0	20.34	20.26	20.28	22	2			
15 HQPSK	75	36	20.34	20.26	20.28					
15 HQPSK	75	59	20.12	20.12	20.11					
15 HQPSK	100	0	20.34	20.26	20.28					
15 HQPSK	1	36	20.12	20.12	20.11	21	3			
15 HQPSK	1	74	20.12	20.12	20.11					
15 HQPSK	36	0	19.29	19.24	19.28					
15 HQPSK	36	20	19.24	18.59	19.33					
15 HQPSK	36	59	19.24	18.59	19.33	21	3			
15 HQPSK	75	0	19.25	19.33	19.34					
15 HQPSK	75	36	19.25	19.33	19.34					
15 HQPSK	75	59	19.25	19.33	19.34					
15 HQPSK	100	0	19.25	19.33	19.34					
15 HQPSK	1	37	17.47	17.34	17.20	19	5			
15 HQPSK	1	74	17.21	17.19	17.00					
15 HQPSK	1	99	17.17	17.17	17.17					
15 HQPSK	36	20	17.35	17.27	17.21					
15 HQPSK	36	59	17.18	17.11	17.18	18	5			
15 HQPSK	75	0	17.18	17.11	17.18					
15 HQPSK	75	36	17.18	17.11	17.18					
15 HQPSK	75	59	17.18	17.11	17.18					
Channel			43140	43340	43400					
Frequency (MHz)			3675 <th>3675</th> <th>3680</th> <th></th> <th></th> <th colspan="3"></th>	3675	3680					
20 QPSK	1	0	22.12	22.16	22.14	24	0			
20 QPSK	1	24	22.14	22.10	22.07					
20 QPSK	1	49	22.14	22.10	22.07					
20 QPSK	50	0	21.30	21.38	21.50					
20 HQPSK	50	12	21.22	21.32	21.28	23	1			
20 HQPSK	50	24	21.17	21.24	21.19					
20 HQPSK	50	0	21.35	21.31	21.31					
20 HQPSK	50	12	21.17	21.24	21.19					
20 HQPSK	1	20	21.00	21.17	21.00	23	1			
20 HQPSK	1	49	21.01	21.01	21.08					
20 HQPSK	1	74	21.01	21.01	21.08					
20 HQPSK	50	20	20.18	20.22	20.23					
20 HQPSK	50	25	20.19	20.22	20.23	22	2			
20 HQPSK	50	50	20.19	20.22	20.23					
20 HQPSK	50	74	20.19	20.22	20.23					
20 HQPSK	50	99	20.19	20.22	20.23					
20 HQPSK	1	0	20.48	20.04	20.14	21	3			
20 HQPSK	1	49	20.08	20.08	20.11					
20 HQPSK	1	99	20.08	20.08	20.11					
20 HQPSK	50	0	19.21	18.24	19.20					
20 HQPSK	50	24	19.24	18.38	19.28	21	3			
20 HQPSK	50	25	19.34	18.18	19.27					
20 HQPSK	50	50	19.35	18.25	19.27					
20 HQPSK	50	74	19.35	18.25	19.27					
20 HQPSK	1	0	17.41	17.21	17.34	19	5			
20 HQPSK	1	25	17.35	17.21	17.27					
20 HQPSK	1	49	17.16	17.16	17.16					
20 HQPSK	25	0	17.35	17.33	17.04					
20 HQPSK	25	12	17.26	17.26	17.17	18	5			
20 HQPSK	25	24	17.14	17.14	17.14					
20 HQPSK	25	0	17.17	17.13	17.18					
20 HQPSK	50	0	17.17	17.13	17.18					
Frequency (MHz)			3675.5 <th>3675<th>3680.5<th></th><th></th><th colspan="3"></th></th></th>	3675 <th>3680.5<th></th><th></th><th colspan="3"></th></th>	3680.5 <th></th> <th></th> <th colspan="3"></th>					
5 QPSK	1	0	22.20	22.14	22.03	24	0			
5 QPSK	1	24	22.08	22.00	22.01					
5 QPSK	1	49	22.04	21.39	21.20					
5 QPSK	12	0	21.22	21.21	21.20					
5 HQPSK	12	13	21.19	21.21	21.17	23	1			
5 HQPSK	12	24	21.16	21.24	21.19					
5 HQPSK	1	0	21.01	21.03	21.04					
5 HQPSK	1	12	21.02	21.06	21.13					
5 HQPSK	12	0	20.27	20.43	20.31	23	1			
5 HQPSK	12	7	20.30	20.32	20.30					
5 HQPSK	12	17	20.30	20.32	20.30					
5 HQPSK	25	0	20.30	20.29	20.29					
5 HQPSK	12	25	20.27	20.33	20.33	22	2			
5 HQPSK	1	0	19.32	19.35	19.32					
5 HQPSK	12	10	19.30	19.32	19.30					
5 HQPSK	12	7	19.32	19.38	19.32					
5 HQPSK	12	25	19.28	19.38	19.38	21	3			
5 HQPSK	1	0	17.45	17.24	17.37					
5 HQPSK	1	24	17.21	17.25	17.20					
5 HQPSK	1	24	17.24	17.22	17.07					
5 HQPSK	12	0	17.34	17.34	17.44	19	5			
5 HQPSK	12	7	17.39	17.39	17.26					
5 HQPSK	12	13	17.39	17.21	17.30					
5 HQPSK	12	13	17.39	17.21	17.30					

Reduced Power Mode for ECI 2

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	924.2	936.4	948.6		924.2	936.4	948.6	
GSM 1 Tx slot	31.64	31.78	31.65	33.50	22.64	22.78	22.65	24.50
GPRS 1 Tx slot	31.65	31.75	31.71	33.50	22.65	22.75	22.71	24.50
GPRS 2 Tx slots	30.86	30.99	30.82	32.50	24.86	24.99	24.82	26.50
GPRS 3 Tx slots	28.98	29.17	29.06	30.50	24.72	24.91	24.80	26.24
GPRS 4 Tx slots	28.00	28.10	27.92	29.50	25.00	25.10	24.92	26.50
EDGE 1 Tx slot	26.52	26.53	26.41	27.50	17.52	17.53	17.41	18.50
EDGE 2 Tx slots	25.27	25.40	25.22	26.00	19.27	19.40	19.22	20.00
EDGE 3 Tx slots	22.77	22.88	22.82	24.00	18.51	18.62	18.56	19.74
EDGE 4 Tx slots	21.25	21.31	21.13	22.50	18.25	18.31	18.13	19.50

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	651	810		512	651	810	
TX Channel	512	651	810		512	651	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.11	29.28	29.24	30.50	20.11	20.28	20.24	21.50
GPRS 1 Tx slot	29.03	29.21	29.16	30.50	20.03	20.21	20.16	21.50
GPRS 2 Tx slots	28.36	28.43	28.27	29.50	22.36	22.43	22.27	23.50
GPRS 3 Tx slots	26.57	26.63	26.49	27.50	22.31	22.37	22.23	23.24
GPRS 4 Tx slots	25.52	25.55	25.48	26.50	22.52	22.55	22.48	23.50
EDGE 1 Tx slot	25.95	25.99	25.88	26.50	16.95	16.99	16.88	17.50
EDGE 2 Tx slots	24.88	24.92	24.81	25.50	18.88	18.92	18.81	19.50
EDGE 3 Tx slots	22.66	22.82	22.69	23.50	18.40	18.56	18.43	19.24
EDGE 4 Tx slots	21.41	21.55	21.50	22.50	18.41	18.55	18.50	19.50

Band	WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9262	9400	9538		1537	1638	1738		4357	4407	4458	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	22.65	22.70	22.62	24.00	22.76	22.80	22.72	24.00	22.45	22.50	22.42	24.00
3GPP Rel 99 RMC 12.2Kbps	22.70	22.73	22.67	24.00	22.80	22.83	22.78	24.00	22.47	22.53	22.45	24.00
3GPP Rel 6 HSDPA Subtest-1	21.71	21.68	21.78	23.00	21.92	21.84	21.82	23.00	21.58	21.53	21.50	23.00
3GPP Rel 6 HSDPA Subtest-2	21.67	21.63	21.78	23.00	21.84	21.86	21.80	23.00	21.55	21.53	21.48	23.00
3GPP Rel 6 HSDPA Subtest-3	21.15	21.13	21.35	22.50	21.35	21.36	21.34	22.50	21.07	21.09	21.02	22.50
3GPP Rel 6 HSDPA Subtest-4	21.17	21.08	21.25	22.50	21.34	21.37	21.30	22.50	21.02	20.99	21.03	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	21.56	21.59	21.69	23.00	21.82	21.84	21.68	23.00	21.46	21.48	21.48	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	21.53	21.57	21.68	23.00	21.66	21.68	21.76	23.00	21.54	21.34	21.47	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	21.10	21.01	21.34	22.50	21.34	21.28	21.24	22.50	20.87	20.98	20.99	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	21.16	20.94	21.08	22.50	21.32	21.22	21.17	22.50	20.82	20.98	21.00	22.50
3GPP Rel 6 HSUPA Subtest-1	19.69	19.69	19.69	21.00	19.85	19.87	19.84	21.00	19.35	19.54	19.42	21.00
3GPP Rel 6 HSUPA Subtest-2	19.68	19.65	19.68	20.50	19.88	19.82	19.86	20.50	19.39	19.39	19.42	20.50
3GPP Rel 6 HSUPA Subtest-3	20.72	20.71	20.71	21.50	20.90	20.90	20.87	21.50	20.57	20.50	20.42	21.50
3GPP Rel 6 HSUPA Subtest-4	19.19	19.15	19.21	20.50	19.44	19.38	19.33	20.50	19.03	19.04	19.08	20.50
3GPP Rel 6 HSUPA Subtest-5	20.70	20.70	20.80	22.50	20.90	20.90	20.80	22.50	20.61	20.53	20.68	22.50

Band 2_Ant 2										
RW (MHz)	Modulation	RB Size	RB Offset	Power Level (dBm)	Power Ch. 1/Freq.	Power Ch. 2/Freq.	Power Ch. 3/Freq.	Turn-up time (sec)	MPE (dB)	
Channel				18700	18800	19100				
30	QPSK	1	0	22.50	22.50	22.50	22.50			
30	QPSK	1	49	22.40	22.48	22.48	22.48	24	0	
30	QPSK	1	98	22.54	22.44	22.44	22.51			
30	QPSK	1	147	22.50	22.50	22.50	22.50			
30	QPSK	56	24	21.32	21.38	21.40	21.38	23	1	
30	QPSK	56	50	21.28	21.30	21.30	21.30			
30	QPSK	100	30	20.48	20.48	20.48	20.48			
30	HQAM	1	0	21.60	21.67	21.67	21.36			
30	HQAM	1	49	21.60	21.60	21.60	21.60	23	1	
30	HQAM	1	98	21.55	21.56	21.59	21.36			
30	HQAM	50	0	20.48	20.34	20.34	20.34			
30	HQAM	50	49	20.48	20.30	20.30	20.30			
30	HQAM	100	0	20.34	20.31	20.31	20.31	22	2	
30	HQAM	100	49	20.34	20.30	20.30	20.30			
30	HQAM	1	49	20.38	20.53	20.53	20.37	22	2	
30	HQAM	50	99	20.51	20.50	20.50	20.31			
30	HQAM	50	50	20.51	20.50	20.50	20.30			
30	HQAM	50	24	19.35	19.37	19.37	19.30	21	3	
30	HQAM	100	49	19.35	19.34	19.34	19.35			
30	HQAM	100	0	19.35	19.34	19.34	19.35			
30	256QAM	1	0	17.23	17.28	17.28	17.17			
30	256QAM	1	49	17.15	17.21	17.21	17.21	19		
30	256QAM	1	99	17.15	17.24	17.24	17.17			
30	256QAM	50	0	17.12	17.25	17.25	17.16			
30	256QAM	50	49	17.08	17.09	17.09	17.08			
30	256QAM	50	99	17.07	17.08	17.08	17.22			
30	256QAM	100	0	17.07	17.26	17.26	17.18	Turn-up time (sec)	MPE (dB)	
Channel				18810	18900	19000				
15	QPSK	1	0	22.84	22.80	22.84	22.84	24	0	
15	QPSK	1	49	22.84	22.84	22.84	22.84			
15	QPSK	1	74	22.41	22.40	22.40	22.48			
15	QPSK	36	0	21.20	21.36	21.36	21.28	23	1	
15	QPSK	36	29	21.21	21.18	21.18	21.29			
15	QPSK	36	39	21.23	21.29	21.29	21.23			
15	HQAM	1	0	21.20	21.28	21.28	21.32			
15	HQAM	1	49	21.23	21.43	21.43	21.29	23	1	
15	HQAM	1	37	21.43	21.30	21.30	21.21			
15	HQAM	36	0	20.32	20.32	20.32	20.32			
15	HQAM	36	20	20.29	20.24	20.24	20.18	22	2	
15	HQAM	36	49	20.29	20.28	20.28	20.28			
15	HQAM	75	0	20.32	20.38	20.38	20.18			
15	HQAM	1	0	20.33	20.33	20.33	20.31			
15	HQAM	1	49	20.33	20.33	20.33	20.31	22	2	
15	HQAM	1	74	20.34	20.31	20.31	20.31			
15	HQAM	36	30	19.29	19.11	19.23	19.23	21	3	
15	HQAM	36	39	19.29	19.11	19.	19.23			
15	HQAM	75	0	19.29	19.29	19.29	19.29			
15	256QAM	1	0	17.18	17.22	17.22	17.22			
15	256QAM	1	37	17.18	17.23	17.28	17.18	19	5	
15	256QAM	1	49	17.18	17.23	17.23	17.23			
15	256QAM	36	0	17.03	17.21	17.16	17.21			
15	256QAM	36	20	17.19	17.22	17.07	17.21	19	5	
15	256QAM	36	49	17.19	17.22	17.22	17.22			
15	256QAM	75	0	17.20	17.18	17.17	17.05			
Channel				18850	18900	19000	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)				18850	18900	19000				
10	QPSK	1	0	22.58	22.40	22.47	22.47			
10	QPSK	1	26	22.20	22.42	22.32	22.32	24	0	
10	QPSK	1	52	22.20	22.42	22.32	22.32			
10	QPSK	25	0	21.21	21.36	21.38	21.38			
10	QPSK	25	12	21.30	21.36	21.26	21.26	23	1	
10	QPSK	50	0	21.35	21.31	21.26	21.26			
10	HQAM	1	0	21.46	21.31	21.21	21.21			
10	HQAM	1	25	21.42	21.31	21.21	21.21	23	1	
10	HQAM	1	49	21.53	21.40	21.28	21.28			
10	HQAM	25	12	20.27	20.31	20.17	20.17	22	2	
10	HQAM	25	12	20.27	20.31	20.17	20.17			
10	HQAM	25	12	20.27	20.31	20.17	20.17			
10	HQAM	1	26	20.33	20.39	20.33	20.33	22	2	
10	HQAM	1	52	20.33	20.39	20.33	20.33			
10	HQAM	25	0	20.43	20.39	20.31	20.31			
10	HQAM	25	0	19.34	19.07	19.25	19.25	21	3	
10	HQAM	25	12	19.32	19.33	19.20	19.20			
10	HQAM	25	12	19.32	19.33	19.20	19.20			
10	HQAM	50	0	19.25	19.25	19.25	19.25			
10	HQAM	1	25	17.18	17.15	17.15	17.15	19		
10	256QAM	1	49	17.21	17.24	17.24	17.24			
10	256QAM	1	26	17.21	17.24	17.24	17.24			
10	256QAM	25	12	17.08	17.09	17.21	17.21	19	5	
10	256QAM	25	12	17.18	17.21	17.23	17.23			
10	256QAM	25	12	17.18	17.21	17.23	17.23			
Channel				18925	18950	19075	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)				18925	18950	19075				
5	QPSK	1	0	22.57	22.40	22.40	22.40	24	0	
5	QPSK	1	12	22.27	22.42	22.40	22.40			
5	QPSK	1	24	22.52	22.32	22.40	22.40			
5	QPSK	1	36	22.52	22.32	22.40	22.40			
5	QPSK	12	0	21.15	21.30	21.30	21.30	23	1	
5	QPSK	12	18	21.22	21.23	21.23	21.23			
5	QPSK	12	36	21.22	21.23	21.23	21.23			
5	HQAM	1	0	21.58	21.37	21.21	21.21			
5	HQAM	1	12	21.80	21.19	21.21	21.21	23	1	
5	HQAM	1	36	21.81	21.19	21.21	21.21			
5	HQAM	12	0	20.30	20.27	20.17	20.17	22	2	
5	HQAM	12	18	20.30	20.27	20.17	20.17			
5	HQAM	12	36	20.36	20.25	20.23	20.23			
5	HQAM	36	0	20.25	20.28	20.29	20.29	22	2	
5	HQAM	36	18	20.25	20.28	20.29	20.29			
5	HQAM	1	12	20.35	20.39	20.27	20.27	22	2	
5	HQAM	1	24	20.33	20.44	20.11	20.11			
5	HQAM	12	0	19.29	19.29	19.29	19.29	21	3	
5	HQAM	12	18	19.22	19.32	19.30	19.30			
5	HQAM	12	36	19.21	19.30	19.29	19.29			
5	256QAM	1	0	17.15	17.23	17.15	17.15	19	5	
5	256QAM	1	24	17.08	17.17	17.21	17.21			
5	256QAM	12	0	17.12	17.34	17.08	17.08			
5	256QAM	12	18	17.08	17.12	17.23	17.23			
5	256QAM	12	36	17.08	17.13	17.11	17.11			
5	256QAM	25	0	17.16	17.22	17.21	17.21	Turn-up time (sec)	MPE (dB)	
Channel				18957	18980	19103				
Frequency (MHz)				18957	18980	19103				
3	QPSK	1	0	22.44	22.48	22.48	22.48	24	0	
3	QPSK	1	3	22.31	22.28	22.39	22.39			
3	QPSK	1	14	22.35	22.44	22.47	22.47			
3	QPSK	1	24	22.47	22.57	22.53	22.53	24	0	
3	QPSK	1	3	21.10	21.25	21.15	21.15	23	1	
3	QPSK	8	0	21.23	21.36	21.38	21.38			
3	QPSK	15	0	21.30	21.36	21.38	21.38			
3	HQAM	1	0	21.12	21.25	21.15	21.15	23	1	
3	HQAM	1	8	21.38	21.24	21.15	21.15			
3	HQAM	1	8	21.38	21.24	21.15	21.15			
3	HQAM	1	14	21.41	21.38	21.33	21.33	23	1	
3	HQAM	1	24	21.39	21.38	21.33	21.33			
3	HQAM	8	0	20.28	20.26	20.28	20.28	22	2	
3	HQAM	8	8	20.28	20.26	20.28	20.28			
3	HQAM	15	0	20.15	20.22	20.24	20.24			
3	HQAM	1	0	20.33	20.28	20.15	20.15	22	2	
3	HQAM	1	14	20.33	20.28	20.15	20.15			
3	HQAM	8	0	19.18	19.21	19.14	19.14	21	3	
3	HQAM	8	8	19.26	19.33	19.26	19.26			
3	HQAM	15	0	19.30	19.21	19.21	19.21			
3	HQAM	15	8	19.17	17.12	17.12	17.12			
3	256QAM	1	8	17.07	17.10	17.10	17.10	19	5	
3	256QAM	1	8	17.07	17.10	17.10	17.10			
3	256QAM	8	0	17.05	17.25	17.23	17.23			
3	256QAM	8	8	17.08	17.23	17.20	17.20			
3	256QAM	15	0	17.10	17.15	17.15	17.15	19	5	
3	256QAM	15	0	17.09	17.21	17.21	17.21			
Channel				18967	18980	19103	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)				18967	18980	19103				
1.4	QPSK	1	0	22.48	22.44	22.44	22.44	24	0	
1.4	QPSK	1	3	22.31	22.28	22.39	22.39			
1.4	QPSK	1	14	22.35	22.44	22.47	22.47			
1.4	QPSK	1	3	21.10	21.27	21.34	21.34	23	1	
1.4	HQAM	1	0	21.52	21.43	21.27				

Band 2_Ant 9										
RF [MHz]	Modulation	RF BW	RF Offset	Power Level Ch. 1 [dBm]	Power Level Ch. 2 [dBm]	Power Level Ch. 3 [dBm]	Turn-on time [ms]	MPE [dB]		
Channel										
Frequency [MHz]				16700	16800	16900				
20	QPSK	1	0	17.10	17.50	17.90				
20	QPSK	1	40	17.31	17.43	17.35		0		
20	QPSK	1	80	17.38	17.50	17.49		0		
20	QPSK	50	0	17.10	17.50	17.90				
20	QPSK	50	24	17.37	17.39	17.43		0		
20	QPSK	50	50	17.39	17.42	17.43		0		
20	QPSK	50	75	17.38	17.42	17.43		0		
20	HQPSK	1	0	17.34	17.49	17.39				
20	HQPSK	1	40	17.38	17.42	17.44				
20	HQPSK	1	80	17.39	17.39	17.39				
20	HQPSK	50	0	17.32	17.50	17.40				
20	HQPSK	50	24	17.40	17.41	17.41		0		
20	HQPSK	50	50	17.32	17.45	17.38				
20	HQPSK	50	75	17.34	17.47	17.38				
20	HQPSK	1	40	17.38	17.44	17.48				
20	HQPSK	1	80	17.38	17.40	17.46				
20	HQPSK	50	24	17.38	17.43	17.35				
20	HQPSK	50	50	17.42	17.45	17.38				
20	HQPSK	100	0	17.28	17.48	17.38				
20	HQPSK	1	0	17.36	17.43	17.35				
20	DSSS/GM	1	0	17.26	17.36	17.33				
20	DSSS/GM	1	40	17.25	17.35	17.32				
20	DSSS/GM	1	80	17.27	17.30	17.24				
20	DSSS/GM	50	0	17.20	17.38	17.27				
20	DSSS/GM	50	24	17.22	17.27	17.28				
20	DSSS/GM	50	50	17.20	17.31	17.38				
20	DSSS/GM	100	0	17.14	17.20	17.38				
Channel										
Frequency [MHz]				1687.5	1686	1680.5	Turn-on time [ms]	MPE [dB]		
15	QPSK	1	0	17.44	17.44	17.44				
15	QPSK	1	40	17.44	17.44	17.44				
15	QPSK	1	74	17.29	17.47	17.42				
15	QPSK	36	0	17.37	17.40	17.38				
15	QPSK	36	24	17.37	17.40	17.38				
15	QPSK	36	30	17.33	17.38	17.29				
15	QPSK	75	0	17.32	17.44	17.29				
15	HQPSK	1	0	17.26	17.35	17.28				
15	HQPSK	1	27	17.30	17.40	17.32		0		
15	HQPSK	1	40	17.21	17.38	17.32				
15	HQPSK	36	0	17.28	17.46	17.32				
15	HQPSK	36	20	17.29	17.35	17.32				
15	HQPSK	36	30	17.25	17.47	17.32				
15	HQPSK	75	0	17.18	17.44	17.33				
15	HQPSK	1	0	17.31	17.32	17.47				
15	HQPSK	1	24	17.32	17.32	17.37				
15	HQPSK	1	40	17.31	17.41	17.40				
15	HQPSK	36	0	17.21	17.42	17.38				
15	HQPSK	36	20	17.26	17.38	17.38				
15	HQPSK	36	30	17.26	17.38	17.29				
15	HQPSK	75	0	17.34	17.46	17.31				
15	DSSS/GM	1	0	17.12	17.27	17.20				
15	DSSS/GM	1	37	17.17	17.26	17.28				
15	DSSS/GM	1	40	17.18	17.23	17.46				
15	DSSS/GM	36	0	17.05	17.23	17.16				
15	DSSS/GM	36	20	17.11	17.17	17.16				
15	DSSS/GM	36	30	17.22	17.26	17.38				
15	DSSS/GM	75	0	17.21	17.29	17.37				
Channel										
Frequency [MHz]				16850 <th>16860<th>16915<th>Turn-on time [ms]</th><th>MPE [dB]</th></th></th>	16860 <th>16915<th>Turn-on time [ms]</th><th>MPE [dB]</th></th>	16915 <th>Turn-on time [ms]</th> <th>MPE [dB]</th>	Turn-on time [ms]	MPE [dB]		
10	QPSK	1	0	17.41	17.40	17.30				
10	QPSK	1	25	17.43	17.33	17.33				
10	QPSK	1	50	17.43	17.43	17.43				
10	QPSK	25	0	17.27	17.40	17.30				
10	QPSK	25	12	17.25	17.30	17.34				
10	QPSK	25	25	17.28	17.38	17.32				
10	QPSK	50	0	17.25	17.47	17.30				
10	HQPSK	1	0	17.26	17.48	17.38				
10	HQPSK	1	25	17.28	17.35	17.26				
10	HQPSK	1	40	17.27	17.37	17.31				
10	HQPSK	25	12	17.25	17.33	17.38				
10	HQPSK	25	25	17.28	17.45	17.35				
10	HQPSK	50	0	17.23	17.35	17.25				
10	HQPSK	1	25	17.27	17.32	17.34				
10	HQPSK	25	12	17.28	17.35	17.23				
10	HQPSK	25	0	17.29	17.40	17.27				
10	HQPSK	50	0	17.26	17.40	17.27				
10	DSSS/GM	1	0	17.15	17.25	17.14				
10	DSSS/GM	1	40	17.17	17.25	17.14				
10	DSSS/GM	25	12	17.20	17.28	17.12				
10	DSSS/GM	25	0	17.14	17.35	17.15				
10	DSSS/GM	50	0	17.22	17.24	17.22				
Channel										
Frequency [MHz]				1682.5 <th>16860<th>16975<th>Turn-on time [ms]</th><th>MPE [dB]</th></th></th>	16860 <th>16975<th>Turn-on time [ms]</th><th>MPE [dB]</th></th>	16975 <th>Turn-on time [ms]</th> <th>MPE [dB]</th>	Turn-on time [ms]	MPE [dB]		
3	QPSK	1	0	17.28	17.38	17.47				
3	QPSK	1	12	17.20	17.34	17.20				
3	QPSK	1	24	17.33	17.42	17.42		0		
3	QPSK	12	0	17.28	17.38	17.47				
3	QPSK	12	7	17.24	17.37	17.25				
3	QPSK	12	13	17.37	17.29	17.38				
3	QPSK	25	0	17.26	17.40	17.34				
3	HQPSK	1	0	17.24	17.36	17.31				
3	HQPSK	1	12	17.22	17.32	17.32				
3	HQPSK	1	24	17.30	17.35	17.35				
3	HQPSK	12	0	17.28	17.36	17.26				
3	HQPSK	12	0	17.20	17.40	17.39				
3	HQPSK	12	13	17.25	17.38	17.39				
3	HQPSK	25	0	17.30	17.35	17.28				
3	HQPSK	1	12	17.23	17.34	17.40				
3	HQPSK	1	12	17.36	17.40	17.43				
3	HQPSK	1	24	17.35	17.45	17.31				
3	HQPSK	12	0	17.34	17.46	17.34				
3	HQPSK	12	7	17.39	17.40	17.31				
3	HQPSK	12	13	17.34	17.37	17.34				
3	DSSS/GM	1	0	17.17	17.25	17.10				
3	DSSS/GM	1	12	17.18	17.26	17.10				
3	DSSS/GM	1	24	17.26	17.17	17.12				
3	DSSS/GM	12	0	17.11	17.32	17.21				
3	DSSS/GM	12	7	17.10	17.27	17.15				
3	DSSS/GM	12	13	17.19	17.38	17.30				
3	DSSS/GM	25	0	17.24	17.25	17.24				
Channel										
Frequency [MHz]				16815 <th>16880<th>16993<th>Turn-on time [ms]</th><th>MPE [dB]</th></th></th>	16880 <th>16993<th>Turn-on time [ms]</th><th>MPE [dB]</th></th>	16993 <th>Turn-on time [ms]</th> <th>MPE [dB]</th>	Turn-on time [ms]	MPE [dB]		
3	QPSK	1	0	17.38	17.53	17.47				
3	QPSK	1	12	17.28	17.38	17.47				
3	QPSK	1	14	17.34	17.49	17.41				
3	QPSK	8	0	17.36	17.46	17.34				
3	QPSK	8	7	17.28	17.35	17.35				
3	QPSK	15	0	17.37	17.41	17.42				
3	HQPSK	1	0	17.30	17.46	17.39				
3	HQPSK	1	8	17.21	17.46	17.35		0		
3	HQPSK	8	4	17.27	17.30	17.34				
3	HQPSK	15	0	17.28	17.46	17.36				
3	HQPSK	1	0	17.25	17.33	17.45				
3	HQPSK	1	14	17.37	17.47	17.44				
3	HQPSK	1	14	17.27	17.38	17.31		0		
3	HQPSK	8	0	17.34	17.42	17.24				
3	HQPSK	8	7	17.30	17.38	17.27				
3	HQPSK	15	0	17.23	17.45	17.23				
3	HQPSK	1	0	17.21	17.31	17.21		0		
3	DSSS/GM	1	8	17.29	17.22	17.23				
3	DSSS/GM	1	14	17.28	17.27	17.23				
3	DSSS/GM	1	15	17.10	17.38	17.14				
3	DSSS/GM	8	0	17.14	17.13	17.19		0		
3	DSSS/GM	15	0	17.24	17.27	17.31				

Band 2_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Ch. Power [Frac]	Ch. Power [Frac]	Ch. Power [Frac]	Turn-on (dBm)	Turn-off (dBm)	APR [dB]				
Channel													
Frequency (MHz)				18750	18800	18900	Turn-on (dBm)	Turn-off (dBm)	APR [dB]				
16	QPSK	1	0	14.08	14.12	14.08	16	0	0				
16	QPSK	1	49	14.04	14.22	14.02	16	0	0				
16	QPSK	1	99	14.00	14.05	14.04	16	0	0				
16	QPSK	1	149	14.00	14.05	14.04	16	0	0				
16	QPSK	50	24	14.08	14.09	14.12	16	0	0				
16	QPSK	50	50	14.02	14.18	14.11	16	0	0				
16	QPSK	100	0	14.08	14.15	14.12	16	0	0				
16	16QAM	1	0	14.10	14.13	14.08	16	0	0				
16	16QAM	1	49	14.06	14.16	14.05	16	0	0				
16	16QAM	1	99	14.08	14.11	14.10	16	0	0				
16	16QAM	50	3	14.09	14.18	14.02	16	0	0				
16	16QAM	50	24	14.04	14.15	14.08	16	0	0				
16	16QAM	50	50	14.04	14.11	14.02	16	0	0				
16	16QAM	100	0	14.04	14.11	14.01	16	0	0				
16	16QAM	250	0	14.04	14.15	14.04	16	0	0				
16	64QAM	1	49	14.07	14.06	14.02	16	0	0				
16	64QAM	50	24	14.06	14.08	14.14	16	0	0				
16	64QAM	50	50	14.09	14.07	14.08	16	0	0				
16	64QAM	100	0	14.12	14.05	14.13	16	0	0				
16	256QAM	1	0	14.10	14.13	14.08	16	0	0				
16	256QAM	100	0	14.12	14.18	14.11	16	0	0				
16	256QAM	1	0	14.10	14.08	14.13	16	0	0				
16	256QAM	1	49	14.06	14.14	14.05	16	0	0				
16	256QAM	1	99	14.08	14.17	14.14	16	0	0				
16	256QAM	50	3	14.15	14.16	14.04	16	0	0				
16	256QAM	50	24	14.16	14.08	14.08	16	0	0				
16	256QAM	50	50	14.14	14.05	14.05	16	0	0				
16	256QAM	100	0	14.10	14.15	14.01	16	0	0				
Channel													
Frequency (MHz)				18875	18900	18925	Turn-on (dBm)	Turn-off (dBm)	APR [dB]				
16	QPSK	1	0	14.14	14.20	14.17	16	0	0				
16	QPSK	1	25	14.13	14.20	14.18	16	0	0				
16	QPSK	1	50	14.11	14.17	14.15	16	0	0				
16	QPSK	1	74	14.18	14.11	14.08	16	0	0				
16	QPSK	36	0	14.22	14.17	14.08	16	0	0				
16	QPSK	36	49	14.17	14.15	14.11	16	0	0				
16	QPSK	36	99	14.08	14.17	14.09	16	0	0				
16	QPSK	75	0	14.08	14.17	14.08	16	0	0				
16	16QAM	1	0	14.10	14.12	14.08	16	0	0				
16	16QAM	1	37	14.12	14.25	14.14	16	0	0				
16	16QAM	1	74	14.08	14.17	14.08	16	0	0				
16	16QAM	36	0	14.11	14.19	14.09	16	0	0				
16	16QAM	36	20	14.10	14.11	14.04	16	0	0				
16	16QAM	36	49	14.02	14.14	14.14	16	0	0				
16	16QAM	75	0	14.01	14.19	14.08	16	0	0				
16	64QAM	1	0	14.15	14.01	14.09	16	0	0				
16	64QAM	1	49	14.03	14.14	14.11	16	0	0				
16	64QAM	1	99	14.14	14.02	14.10	16	0	0				
16	64QAM	25	0	14.11	14.13	14.04	16	0	0				
16	64QAM	25	49	14.07	14.14	14.24	16	0	0				
16	64QAM	36	30	14.09	14.06	14.22	16	0	0				
16	64QAM	75	0	14.05	14.19	14.08	16	0	0				
16	256QAM	1	0	14.18	14.17	14.21	16	0	0				
16	256QAM	1	37	14.16	14.12	14.21	16	0	0				
16	256QAM	1	74	14.02	14.14	14.14	16	0	0				
16	256QAM	36	0	14.24	14.19	14.02	16	0	0				
16	256QAM	36	20	14.21	14.17	14.12	16	0	0				
16	256QAM	36	49	14.02	14.05	14.02	16	0	0				
16	256QAM	75	0	14.10	14.17	14.05	16	0	0				
Channel													
Frequency (MHz)				18950	18960	18975	Turn-on (dBm)	Turn-off (dBm)	APR [dB]				
16	QPSK	1	0	14.14	14.20	14.17	16	0	0				
16	QPSK	1	25	14.13	14.20	14.18	16	0	0				
16	QPSK	1	50	14.11	14.17	14.15	16	0	0				
16	QPSK	1	74	14.18	14.11	14.08	16	0	0				
16	QPSK	36	0	14.13	14.20	14.18	16	0	0				
16	QPSK	36	49	14.13	14.14	14.18	16	0	0				
16	QPSK	36	99	14.12	14.17	14.14	16	0	0				
16	QPSK	75	0	14.09	14.14	14.13	16	0	0				
16	16QAM	1	0	14.09	14.18	14.13	16	0	0				
16	16QAM	1	25	14.09	14.08	14.14	16	0	0				
16	16QAM	1	49	14.02	14.18	14.18	16	0	0				
16	16QAM	25	12	14.09	14.18	14.11	16	0	0				
16	16QAM	25	25	14.08	14.10	14.10	16	0	0				
16	16QAM	25	50	14.09	14.14	14.08	16	0	0				
16	16QAM	50	3	14.08	14.09	14.19	16	0	0				
16	16QAM	50	24	14.13	14.11	14.03	16	0	0				
16	16QAM	50	49	14.14	14.14	14.17	16	0	0				
16	16QAM	100	0	14.09	14.13	14.03	16	0	0				
16	64QAM	1	25	14.12	14.14	14.11	16	0	0				
16	64QAM	25	0	14.10	14.13	14.21	16	0	0				
16	64QAM	50	0	14.09	14.13	14.19	16	0	0				
16	64QAM	50	24	14.12	14.12	14.05	16	0	0				
16	64QAM	50	49	14.15	14.12	14.05	16	0	0				
16	64QAM	100	0	14.11	14.06	14.12	16	0	0				
16	256QAM	1	25	14.18	14.12	14.05	16	0	0				
16	256QAM	1	49	14.10	14.22	14.10	16	0	0				
16	256QAM	1	99	14.10	14.15	14.08	16	0	0				
16	256QAM	25	12	14.11	14.06	14.12	16	0	0				
16	256QAM	25	25	14.07	14.10	14.08	16	0	0				
16	256QAM	50	3	14.08	14.17	14.05	16	0	0				
Channel													
Frequency (MHz)				18985	18990	18997.5	Turn-on (dBm)	Turn-off (dBm)	APR [dB]				
16	QPSK	1	0	14.14	14.20	14.17	16	0	0				
16	QPSK	1	25	14.13	14.20	14.18	16	0	0				
16	QPSK	1	50	14.11	14.17	14.15	16	0	0				
16	QPSK	1	74	14.18	14.11	14.08	16	0	0				
16	QPSK	36	0	14.13	14.20	14.18	16	0	0				
16	QPSK	36	49	14.13	14.14	14.18	16	0	0				
16	QPSK	36	99	14.12	14.17	14.14	16	0	0				
16	QPSK	75	0	14.09	14.14	14.13	16	0	0				
16	16QAM	1	0	14.09	14.18	14.13	16	0	0				
16	16QAM	1	25	14.09	14.08	14.14	16	0	0				
16	16QAM	1	49	14.02	14.18	14.18	16	0	0				
16	16QAM	25	12	14.09	14.18	14.11	16	0	0				
16	16QAM	25	25	14.08	14.10	14.10	16	0	0				
16	16QAM	25	50	14.09	14.14	14.08	16	0	0				
16	16QAM	50	3	14.08	14.09	14.19	16	0	0				
16	16QAM	50	24	14.13	14.11	14.03	16	0	0				
16	16QAM	50	49	14.14	14.14	14.17	16	0	0				
16	16QAM	100	0	14.09	14.13	14.03	16	0	0				
16	64QAM	1	25	14.12	14.14	14.11	16	0	0				
16	64QAM	25	0	14.10	14.13	14.21	16	0	0				
16	64QAM	50	0	14.09	14.13	14.19	16	0	0				
16	64QAM	50	24	14.12	14.12	14.05	16	0	0				
16	64QAM	50	49	14.15	14.12	14.05	16	0	0				
16	64QAM	100	0	14.11	14.06	14.12	16	0	0				
16	256QAM	1	25	14.18	14.12	14.05	16	0	0				
16	256QAM	1	49	14.10	14.22	14.10	16	0	0				
16	256QAM	1	99	14.10	14.15	14.08	16	0	0				
16	256QAM	25	12	14.11	14.06	14.12	16	0	0				
16	256QAM	25	25	14.07	14.10	14.08	16	0	0				
16	256QAM	50	3	14.08	14.17	14.05	16	0	0				
Channel													
Frequency (MHz)				18995	19000	19007.5	Turn-on (dBm)	Turn-off (dBm)	APR [dB]				
16	QPSK	1	0	14.14	14.20	14.17	16	0	0				
16	QPSK	1	25	14.13	14.20	14.18	16	0	0				
16	QPSK	1	50	14.11	14.17	14.15	16	0	0				
16	QPSK	1	74	14.18	14.11	14.08	16	0	0				
16	QPSK	36	0	14.13	14.20	14.18	16	0	0				
16	QPSK	36	49	14.13	14.14	14.18	16	0	0				
16	QPSK	36	99	14.12	14.17	14.14	16	0	0				
16	QPSK	75	0	14.09	14.14	14.13	16	0	0				
16	16QAM	1	0	14.09	14.18	14.13	16	0	0				
16	16QAM	1	25	14.09	14.08	14.14	16	0	0				
16	16QAM	1	49	14.02	14.18	14.18	16	0	0				
16	16QAM	25	12	14.09	14.18	14.11	16	0	0				
16	16QAM	25	25	14.08	14.10	14.10	16	0	0				
16	16QAM	25	50	14.09	14.14	14.08	16	0	0				
16	16QAM	50	3	14.08	14.09	14.19	16	0	0				
16	16QAM	50	24	14.13	14.11	14.03	16	0	0				
16	16QAM	50	49	14.14	14.14	14.17	16	0	0				
16	16QAM	100	0	14.09	14.13	14.03	16	0	0				
16	64QAM	1	25	14.12	14.14	14.11	16	0	0				
16	64QAM	25	0	14.10	14.13	14.21	16	0	0				
16	64QAM	50	0	14.09	14.13	14.19	16	0	0				
16	64QAM	50	24	14.12	14.12	14.05	16	0	0				
16	64QAM	50	49	14.15	14.12	14.05	16	0	0				
16	64QAM	100	0	14.11	14.06	14.12	16	0	0				
16	256QAM	1	25	14.18	14.12	14.05	16	0	0				
16	256QAM	1	49	14.10	14.22	14.10	16	0	0				
16	256QAM	1	99	14.10	14.15	14.08</							

Band 4_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Ch. Power [W]	Ch. Power [W]	Power Spectral Density [W/Hz]	Power Spectral Density [W/Hz]	Turnup time [min]	MPE [dB]			
Channel				17000	17010	17020	17030					
Frequency (MHz)				17010	17015	17020	17025					
20	QPSK	1	0	25.51	22.71	22.71	22.71	24	0			
20	QPSK	1	40	22.83	22.84	22.84	22.84					
20	QPSK	1	99	23.51	22.49	22.49	22.49					
20	QPSK	80	0	21.41	21.42	21.42	21.42	23	1			
20	QPSK	80	24	21.41	21.48	21.42	21.42					
20	16QAM	1	0	21.70	21.68	21.64	21.64	23	1			
20	16QAM	1	40	21.69	21.67	21.64	21.64					
20	16QAM	1	99	21.75	21.53	21.57	21.57					
20	16QAM	50	0	20.81	20.82	20.40	20.40					
20	16QAM	50	24	20.81	20.82	20.40	20.40					
20	16QAM	50	50	20.85	20.42	20.45	20.45	22	2			
20	16QAM	100	0	20.47	20.48	20.44	20.44					
20	16QAM	100	24	20.47	20.48	20.44	20.44					
20	16QAM	100	50	20.49	20.48	20.44	20.44	22	2			
20	16QAM	1	40	20.20	20.87	20.70	20.70					
20	16QAM	50	99	20.89	20.66	20.66	20.66					
20	16QAM	50	124	20.89	20.66	20.66	20.66					
20	16QAM	50	149	20.89	20.66	20.66	20.66					
20	16QAM	50	24	19.84	19.98	19.49	19.49	21	3			
20	16QAM	100	0	19.85	19.87	19.49	19.49					
20	16QAM	100	24	19.85	19.87	19.49	19.49					
20	25QAM	1	0	17.18	17.18	17.19	17.19	19				
20	25QAM	1	40	17.26	17.26	17.27	17.27					
20	25QAM	1	99	17.10	17.20	17.20	17.20					
20	25QAM	50	0	17.27	17.13	17.13	17.13					
20	25QAM	50	24	17.13	17.20	17.17	17.17					
20	25QAM	50	90	17.26	17.20	17.17	17.17					
20	25QAM	100	0	17.09	17.22	17.19	17.19	Turnup time [min]	MPE [dB]			
Channel				17010	17015	17020	17025					
Frequency (MHz)				17015	17020	17025	17030					
15	QPSK	1	0	25.51	22.71	22.71	22.71	24	0			
15	QPSK	1	40	22.83	22.84	22.84	22.84					
15	QPSK	1	74	23.26	23.23	22.50	22.50					
15	QPSK	36	0	21.39	21.48	21.20	21.20	23	1			
15	QPSK	36	24	21.39	21.48	21.20	21.20					
15	QPSK	36	50	21.31	21.40	21.30	21.30					
15	QPSK	75	0	21.32	21.45	21.34	21.34	23	1			
15	QPSK	75	1	21.32	21.47	21.34	21.34					
15	16QAM	1	27	21.53	21.42	21.38	21.38	23	1			
15	16QAM	1	74	21.53	21.42	21.38	21.38					
15	16QAM	36	0	20.25	20.43	20.39	20.39					
15	16QAM	36	24	20.40	20.43	20.29	20.29	22	2			
15	16QAM	36	50	20.40	20.43	20.29	20.29					
15	16QAM	75	0	20.31	20.33	20.34	20.34					
15	16QAM	1	0	20.33	20.29	20.50	20.50					
15	16QAM	1	24	20.33	20.29	20.50	20.50	22	2			
15	16QAM	1	49	20.33	20.29	20.50	20.50					
15	16QAM	36	24	19.84	19.94	19.43	19.43	21	3			
15	16QAM	36	50	19.84	19.94	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149	19.86	19.43	19.43	19.43					
15	16QAM	36	24	19.86	19.43	19.43	19.43	21	3			
15	16QAM	36	50	19.86	19.43	19.43	19.43					
15	16QAM	36	99	19.86	19.43	19.43	19.43					
15	16QAM	36	124	19.86	19.43	19.43	19.43					
15	16QAM	36	149</									

Band 4_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)				200950	200950	200950				
20	QPSK	1	0	17.20	17.32	17.45				
20	QPSK	1	49	18.58	18.81	18.87	20	0		
20	QPSK	1	99	18.57	18.73	18.84				
20	QPSK	50	3	18.50	18.72	18.93				
20	QPSK	50	24	18.62	18.81	18.84				
20	QPSK	50	50	18.56	18.63	18.61	20	0		
20	QPSK	100	0	18.51	18.50	18.54				
20	16QAM	1	0	18.57	18.80	18.85				
20	16QAM	1	49	18.59	18.81	18.88	20	0		
20	16QAM	50	0	18.57	18.81	18.84				
20	16QAM	50	24	18.58	18.77	18.82	20	0		
20	16QAM	50	50	18.54	18.78	18.82				
20	16QAM	100	0	18.52	18.82	18.80				
20	64QAM	1	0	18.57	18.81	18.84				
20	64QAM	1	49	18.55	18.84	18.82	20	0		
20	64QAM	1	99	18.51	18.77	18.82				
20	64QAM	50	0	18.51	18.82	18.87				
20	64QAM	50	24	18.58	18.78	18.84	20	0		
20	64QAM	50	50	18.53	18.77	18.89				
20	256QAM	1	0	17.40	17.49	17.48				
20	256QAM	1	49	17.44	17.34	17.51	19	1		
20	256QAM	1	99	17.57	17.37	17.54				
20	256QAM	50	0	17.53	17.42	17.49				
20	256QAM	50	24	17.47	17.43	17.49				
20	256QAM	50	50	17.37	17.41	17.50				
20	256QAM	100	0	17.59	17.56	17.46	19	1		
Channel										
Frequency (MHz)				1711.5	1712.0	1712.5	Turn-on time (sec)	MFR (dB)		
15	QPSK	1	0	18.65	18.80	18.87				
15	QPSK	1	37	18.53	18.73	18.58	20	0		
15	QPSK	1	74	18.53	18.63	18.40				
15	QPSK	36	0	18.58	18.59	18.59				
15	QPSK	39	39	18.41	18.47	18.50	20	0		
15	QPSK	75	0	18.40	18.81	18.39				
15	16QAM	1	0	18.51	18.79	18.63				
15	16QAM	1	37	18.51	18.68	18.61	20	0		
15	16QAM	1	74	18.48	18.78	18.61				
15	16QAM	36	0	18.45	18.74	18.51				
15	16QAM	39	20	18.53	18.70	18.53	20	0		
15	16QAM	75	0	18.52	18.88	18.49				
15	64QAM	1	0	18.48	18.88	18.50				
15	64QAM	1	37	18.48	18.70	18.63				
15	64QAM	1	74	18.48	18.72	18.58				
15	64QAM	36	0	18.48	18.72	18.58				
15	64QAM	36	20	18.51	18.87	18.63	20	0		
15	64QAM	39	39	18.46	18.63	18.49				
15	64QAM	75	0	18.44	18.72	18.45				
15	256QAM	1	0	17.51	17.37	17.42				
15	256QAM	1	37	17.48	17.37	17.42	19	1		
15	256QAM	1	74	17.53	17.66	17.50				
15	256QAM	36	0	17.41	17.50	17.54				
15	256QAM	39	20	17.50	17.41	17.49				
15	256QAM	36	39	17.59	17.52	17.46	19	1		
15	256QAM	75	0	17.42	17.57	17.47				
Channel										
Frequency (MHz)				20000 <th>20170<th>20370<th>Turn-on time (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th></th>	20170 <th>20370<th>Turn-on time (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th>	20370 <th>Turn-on time (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Turn-on time (sec)	MFR (dB)		
20	QPSK	1	0	18.69	18.79	18.72				
20	QPSK	1	26	18.47	18.76	18.48	20	0		
20	QPSK	1	49	18.58	18.68	18.42				
20	QPSK	25	0	18.48	18.57	18.58				
20	QPSK	25	12	18.41	18.47	18.50	20	0		
20	QPSK	50	0	18.41	18.72	18.41				
20	QPSK	50	0	18.43	18.77	18.53				
20	16QAM	1	0	18.48	18.68	18.48	20	0		
20	16QAM	1	49	18.53	18.71	18.63				
20	16QAM	25	0	18.44	18.71	18.43				
20	16QAM	25	12	18.46	18.75	18.44				
20	16QAM	25	25	18.43	18.68	18.50	20	0		
20	16QAM	50	5	18.54	18.68	18.54				
20	16QAM	1	0	18.51	18.71	18.48				
20	16QAM	25	12	18.46	18.75	18.54	20	0		
20	64QAM	1	49	18.49	18.73	18.61				
20	64QAM	25	0	18.38	18.71	18.53				
20	64QAM	25	12	18.49	18.71	18.51				
20	64QAM	25	25	17.42	17.52	17.48				
20	64QAM	50	5	17.48	17.49	17.40				
Channel										
Frequency (MHz)				180975 <th>180975<th>203975<th>Turn-on time (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th></th>	180975 <th>203975<th>Turn-on time (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th>	203975 <th>Turn-on time (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Turn-on time (sec)	MFR (dB)		
20	QPSK	1	0	17.12	17.32	17.52				
20	QPSK	1	12	18.57	18.67	18.53	20	0		
20	QPSK	1	24	18.62	18.54	18.48				
20	QPSK	12	0	18.61	18.58	18.58				
20	QPSK	12	7	18.42	18.47	18.50	20	0		
20	QPSK	12	13	18.54	18.58	18.51				
20	QPSK	25	0	18.48	18.78	18.48				
20	16QAM	1	0	18.46	18.70	18.44				
20	16QAM	1	12	18.44	18.60	18.41	20	0		
20	16QAM	1	24	18.53	18.73	18.51				
20	16QAM	12	7	18.41	18.67	18.53				
20	16QAM	12	13	18.46	18.64	18.58				
20	16QAM	25	0	18.52	18.74	18.56				
20	16QAM	25	12	18.43	18.72	18.58	20	0		
20	16QAM	25	12	18.44	18.74	18.57				
20	16QAM	25	25	18.45	18.69	18.57				
20	16QAM	50	5	18.43	18.72	18.58				
20	256QAM	1	0	17.48	17.38	17.40				
20	256QAM	1	12	17.48	17.38	17.40				
20	256QAM	1	24	17.51	17.38	17.38				
20	256QAM	12	0	17.40	17.54	17.43				
20	256QAM	12	7	17.45	17.42	17.41	19	1		
20	256QAM	12	13	17.42	17.44	17.49				
20	256QAM	25	0	17.54	17.55	17.51				
Channel										
Frequency (MHz)				1711.5	1712.0	1712.5 <th>Turn-on time (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Turn-on time (sec)	MFR (dB)		
3	QPSK	1	0	18.72	18.84	18.86				
3	QPSK	1	14	18.71	18.83	18.81	20	0		
3	QPSK	1	14	18.48	18.72	18.40				
3	QPSK	8	0	18.59	18.62	18.67				
3	QPSK	8	7	18.47	18.52	18.48				
3	QPSK	15	0	18.49	18.79	18.51	20	0		
3	QPSK	15	0	18.53	18.75	18.62				
3	16QAM	1	8	18.56	18.71	18.57				
3	16QAM	1	14	18.49	18.68	18.59	20	0		
3	16QAM	1	14	18.43	18.77	18.44				
3	16QAM	8	0	18.55	18.72	18.56				
3	16QAM	8	7	18.48	18.54	18.54				
3	16QAM	15	0	18.54	18.78	18.48				
3	64QAM	1	0	18.54	18.77	18.85				
3	64QAM	1	14	18.39	18.65	18.52	20	0		
3	64QAM	8	0	18.26	18.68	18.56				
3	64QAM	8	7	18.46	18.66	18.62				
3	64QAM	8	8	18.52	18.71	18.46				
3	256QAM	1	0	18.43	18.63	18.48				
3	256QAM	1	0	17.40	17.43	17.62				
3	256QAM	1	14	17.44	17.42	17.48	19	1		
3	256QAM	8	0	17.56	17.46	17.58				
3	256QAM	8	7	17.55	17.48	17.54				
3	256QAM	8	8	17.41	17.41	17.41	19	1		
3	256QAM	16	0	17.52	17.50	17.52				
Channel										
Frequency (MHz)				180975 <th>180975<th>203975<th>Turn-on time (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th></th>	180975 <th>203975<th>Turn-on time (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th>	203975 <th>Turn-on time (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Turn-on time (sec)	MFR (dB)		
1.4	QPSK	1	0	18.68	18.73	18.73				
1.4	QPSK	1	3	18.55	18.79	18.44	20	0		
1.4	QPSK	1	14	18.46	18.68	18.40				
1.4	QPSK	3	0	18.55	18.69	18.60				
1.4	QPSK	3	1	18.45	18.58	18.57	20	0		
1.4	QPSK	8	0	18.47	18.54	18.53				
1.4	QPSK	8	0	18.46	18.74	18.40	20	0		
1.4	16QAM	1	0	18.50	18.70	18.50				
1.4	16QAM	1	0	18.52	18.72	18.52				
1.4	16QAM	3	0	18.45	18.77	18.44	20	0		
1.4	16QAM	3	0	18.45	18.73	18.58				
1.4	16QAM	3	8	18.47	18.55	18.57				
1.4	16QAM	8	0	18.51	18.66	18.50	20	0		
1.4	16QAM	3	1	18.41	18.77	18.50				
1.4	16QAM	3	8	18.45	18.68	18.68				
1.4	16QAM	3	8	18.54	18.70	18.54				
1.4	16QAM	8	0	18.47	18.62	18.47	20	0		
1.4	16QAM	8	0	17.51	17.41	17.41				
1.4	16QAM	8	0	17.41	17.50	17.41				
1.4	16QAM	8	8	17.53	17.50	17.50				
1.4	16QAM	8	8	17.41	17.41	17.41	19	1		
1.4	256QAM	3	3	17.92	17.97	17.97				
1.4	256QAM	3	3	17.92	17.97	17.97	19	1		

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mids Ch / Freq.	Power High Ch / Freq.	Turn-up Inst (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.69	22.62	22.72			
20	QPSK	1	49	22.69	22.62	22.67	24	0	
20	QPSK	1	99	22.75	22.68	22.67			
20	QPSK	50	0	21.75	21.78	21.75			
20	QPSK	50	24	21.81	21.73	21.78	23	1	
20	QPSK	50	50	21.72	21.80	21.57			
20	QPSK	100	0	21.73	21.75	21.70			
20	HQAM	1	0	20.62	21.00	21.00			
20	HQAM	1	49	21.81	21.73	21.78	23	1	
20	HQAM	1	99	21.57	21.62	21.67			
20	HQAM	50	0	20.75	20.59	20.42			
20	HQAM	50	24	20.65	20.64	20.40	22	2	
20	HQAM	50	50	20.65	20.64	20.39			
20	HQAM	100	0	20.66	20.60	20.75			
20	HQAM	1	49	20.66	20.74	21.77			
20	HQAM	1	99	20.75	20.52	20.59			
20	HQAM	50	0	19.84	19.79	19.85			
20	HQAM	50	24	19.85	19.72	19.66	21	3	
20	HQAM	50	50	19.79	19.67	19.70			
20	HQAM	100	0	19.79	19.72	19.68			
20	25QAM	1	49	17.34	17.41	17.38	19	5	
20	25QAM	1	99	17.30	17.45	17.32			
20	25QAM	50	0	17.30	17.29	17.37			
20	25QAM	50	24	17.22	17.47	17.41	19	5	
20	25QAM	50	50	17.22	17.34	17.35			
20	25QAM	100	0	17.24	17.34	17.35			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.49	22.52	22.57			
15	QPSK	1	37	22.68	22.49	22.58	24	0	
15	QPSK	1	74	22.74	22.48	22.62			
15	QPSK	36	0	21.80	21.73	21.68			
15	QPSK	36	20	21.60	21.44	21.67	23	1	
15	QPSK	36	37	21.67	21.47	21.36			
15	QPSK	75	0	21.67	21.63	21.64			
15	HQAM	1	0	21.62	21.61	21.58			
15	HQAM	1	37	21.72	21.62	21.68	23	1	
15	HQAM	1	74	21.40	21.72	21.56			
15	HQAM	36	0	20.62	20.44	20.34			
15	HQAM	36	20	20.42	20.39	20.41	22	2	
15	HQAM	36	37	20.51	20.34	20.29			
15	HQAM	75	0	20.59	20.50	20.35			
15	HQAM	75	0	20.54	20.50	20.64			
15	HQAM	1	37	20.69	20.59	20.67	22	2	
15	HQAM	1	74	20.69	20.59	20.64			
15	HQAM	36	0	19.69	19.69	19.62			
15	HQAM	36	20	19.70	19.59	19.51	21	3	
15	HQAM	36	37	19.70	19.62	19.57			
15	HQAM	75	0	19.74	19.62	19.62			
15	25QAM	1	0	17.32	17.32	17.30	19	5	
15	25QAM	1	37	17.38	17.40	17.38			
15	25QAM	36	0	17.38	17.37	17.25			
15	25QAM	36	20	17.22	17.40	17.25	19	5	
15	25QAM	36	37	17.22	17.29	17.26			
15	25QAM	75	0	17.22	17.36	17.26			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.67	22.61	22.67	24	0	
10	QPSK	1	49	22.67	22.62	22.64			
10	QPSK	1	99	22.69	22.60	22.57			
10	QPSK	25	0	21.69	21.64	21.72			
10	QPSK	12	0	21.64	21.43	21.42	23	1	
10	QPSK	25	25	21.67	21.53	21.46			
10	QPSK	50	0	21.63	21.70	21.59			
10	HQAM	1	0	21.64	21.64	21.68			
10	HQAM	1	25	21.67	21.63	21.69	23	1	
10	HQAM	1	50	21.64	21.64	21.68			
10	HQAM	25	0	20.64	20.49	20.29			
10	HQAM	25	12	20.62	20.59	20.35	22	2	
10	HQAM	25	25	20.50	20.41	20.32			
10	HQAM	50	0	20.49	20.51	20.35			
10	HQAM	1	0	20.53	20.62	20.60			
10	HQAM	1	25	20.70	20.71	20.74	22	2	
10	HQAM	1	49	20.67	20.79	20.65			
10	HQAM	25	0	19.72	19.67	19.52			
10	HQAM	25	12	19.70	19.67	19.51	21	3	
10	HQAM	25	25	19.68	19.61	19.51			
10	HQAM	50	0	19.70	19.67	19.57			
10	25QAM	1	0	17.22	17.44	17.34			
10	25QAM	1	25	17.24	17.36	17.32	19	5	
10	25QAM	25	0	17.29	17.41	17.42			
10	25QAM	25	12	17.32	17.40	17.32			
10	25QAM	25	25	17.20	17.36	17.33	19	5	
10	25QAM	50	0	17.21	17.36	17.31			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.77	22.79	22.57	24	0	
5	QPSK	1	12	22.49	22.69	22.38			
5	QPSK	1	24	22.55	22.46	22.47			
5	QPSK	12	0	21.65	21.64	21.70			
5	QPSK	12	7	21.55	21.54	21.45	23	1	
5	QPSK	12	13	21.64	21.46	21.43			
5	QPSK	25	0	21.69	21.58	21.57			
5	HQAM	1	0	21.66	21.68	21.60			
5	HQAM	1	12	21.79	21.54	21.56	23	1	
5	HQAM	1	24	21.51	21.53	21.64			
5	HQAM	12	7	20.50	20.47	20.31	22	2	
5	HQAM	12	13	20.65	20.45	20.33			
5	HQAM	25	0	20.53	20.61	20.30			
5	HQAM	1	0	20.53	20.60	20.56			
5	HQAM	1	12	20.65	20.68	20.66	22	2	
5	HQAM	1	24	20.61	20.63	20.66			
5	HQAM	12	0	19.69	19.58	19.56			
5	HQAM	12	7	19.70	19.61	19.50	21	3	
5	HQAM	12	13	19.70	19.69	19.65			
5	HQAM	25	0	19.68	19.61	19.62			
5	25QAM	1	0	17.20	17.39	17.30			
5	25QAM	1	12	17.28	17.44	17.33	19	5	
5	25QAM	1	24	17.20	17.32	17.42			
5	25QAM	12	0	17.23	17.34	17.35			
5	25QAM	12	7	17.32	17.30	17.38	19	5	
5	25QAM	12	13	17.23	17.46	17.31			
5	25QAM	25	0	17.20	17.37	17.23			

Band 7_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mids Ch / Freq.	Power High Ch / Freq.	Turnup Inst. (dB)	MPR (dB)	
Channel									
Frequency (MHz)				20650	21100	21650			
				2015	2030	2100			
20	QPSK	1	0	15.88	15.88	15.88			
20	QPSK	1	49	15.93	15.94	15.92	17	0	
20	QPSK	1	99	15.83	15.84	15.87			
20	QPSK	50	0	15.85	15.85	15.85			
20	QPSK	50	24	15.84	15.90	15.91	17	0	
20	QPSK	50	50	15.84	15.90	15.93			
20	QPSK	100	0	15.80	15.84	15.87			
20	HQAM	1	0	15.91	15.94	15.94			
20	HQAM	1	49	15.89	15.92	15.94	17	0	
20	HQAM	1	99	15.80	15.84	15.86			
20	HQAM	50	0	15.82	15.85	15.85			
20	HQAM	50	24	15.85	15.84	15.80	17	0	
20	HQAM	50	50	15.86	15.82	15.82			
20	HQAM	100	0	15.86	15.80	15.93			
20	HQAM	1	99	15.87	15.87	15.85	17	0	
20	HQAM	50	0	15.94	15.79	15.97			
20	HQAM	50	24	15.89	15.88	15.86	17	0	
20	HQAM	50	50	15.85	15.84	15.85			
20	25QAM	1	49	15.88	15.89	15.82			
20	25QAM	1	99	15.88	15.86	15.82			
20	25QAM	36	0	15.80	15.85	15.85			
20	25QAM	36	20	15.87	15.84	15.83	17	0	
20	25QAM	36	37	15.87	15.85	15.87			
20	25QAM	75	0	15.80	15.83	15.89			
20	25QAM	100	0	15.80	15.83	15.89			
20	25QAM	50	24	15.87	15.87	15.85	17	0	
20	25QAM	50	50	15.88	15.88	15.87			
Channel									
Frequency (MHz)				20650	21100	21650	Turnup Inst. (dB)	MPR (dB)	
				2015	2030	2100			
15	QPSK	1	0	15.95	15.95	15.95			
15	QPSK	1	37	15.78	15.83	15.86	17	0	
15	QPSK	1	74	15.82	15.83	15.80			
15	QPSK	36	0	15.80	15.85	15.85			
15	QPSK	36	20	15.80	15.89	15.83	17	0	
15	QPSK	36	37	15.87	15.85	15.84			
15	QPSK	75	0	15.80	15.83	15.89			
15	HQAM	1	0	15.87	15.88	15.91			
15	HQAM	1	37	15.78	15.83	15.86	17	0	
15	HQAM	1	74	15.79	15.80	15.83			
15	HQAM	36	0	15.80	15.85	15.85			
15	HQAM	36	20	15.74	15.88	15.88	17	0	
15	HQAM	36	37	15.83	15.89	15.88			
15	HQAM	75	0	15.82	15.82	15.82			
15	HQAM	100	0	15.84	15.90	15.88			
15	HQAM	1	99	15.87	15.87	15.85	17	0	
15	HQAM	36	0	15.76	15.83	15.87			
15	HQAM	36	20	15.83	15.80	15.83	17	0	
15	HQAM	36	37	15.83	15.83	15.87			
15	HQAM	75	0	15.78	15.80	15.83			
15	HQAM	100	0	15.78	15.80	15.83			
15	25QAM	1	37	15.80	15.88	15.82	17	0	
15	25QAM	1	74	15.76	15.80	15.94			
15	25QAM	36	0	15.78	15.83	15.87			
15	25QAM	36	20	15.80	15.85	15.85	17	0	
15	25QAM	36	37	15.83	15.89	15.83			
15	25QAM	75	0	15.80	15.83	15.89			
15	25QAM	100	0	15.80	15.83	15.89			
Channel									
Frequency (MHz)				20650	21100	21650	Turnup Inst. (dB)	MPR (dB)	
				2015	2030	2100			
10	QPSK	1	0	15.80	15.80	15.80			
10	QPSK	1	25	15.78	15.87	15.94	17	0	
10	QPSK	1	49	15.88	15.83	15.87			
10	QPSK	1	74	15.82	15.83	15.80			
10	QPSK	25	12	15.83	15.86	15.82	17	0	
10	QPSK	25	26	15.73	15.87	15.79			
10	QPSK	25	50	15.75	15.87	15.81	17	0	
10	HQAM	1	0	15.89	15.82	15.88			
10	HQAM	1	25	15.80	15.92	15.82			
10	HQAM	1	49	15.71	15.89	15.82	17	0	
10	HQAM	1	74	15.81	15.81	15.81			
10	HQAM	25	12	15.77	15.88	15.87	17	0	
10	HQAM	25	26	15.88	15.81	15.93			
10	HQAM	25	50	15.77	15.88	15.87	17	0	
10	HQAM	1	25	15.82	15.90	15.92			
10	HQAM	1	49	15.83	15.98	15.88			
10	HQAM	1	74	15.81	15.81	15.81	17	0	
10	HQAM	25	12	15.76	15.94	15.82			
10	HQAM	25	26	15.76	15.94	15.82	17	0	
10	HQAM	25	50	15.76	15.94	15.82			
10	HQAM	1	0	15.91	15.93	15.93			
10	HQAM	1	25	15.83	15.90	15.92	17	0	
10	HQAM	1	49	15.83	15.90	15.92			
10	HQAM	1	74	15.83	15.90	15.92			
10	HQAM	25	12	15.83	15.90	15.92	17	0	
10	HQAM	25	26	15.86	15.98	15.90			
10	HQAM	25	50	15.86	15.98	15.90			
10	25QAM	1	49	15.88	15.87	15.87	17	0	
10	25QAM	1	74	15.86	15.86	15.86			
10	25QAM	50	0	15.87	15.90	15.93			
Channel									
Frequency (MHz)				20650	21100	21650	Turnup Inst. (dB)	MPR (dB)	
				2015	2030	2100			
5	QPSK	1	0	15.85	15.87	15.89			
5	QPSK	1	12	15.83	15.94	15.88	17	0	
5	QPSK	1	25	15.83	15.94	15.88			
5	QPSK	12	0	15.75	15.84	15.85			
5	QPSK	12	7	15.80	15.84	15.87	17	0	
5	QPSK	12	19	15.75	15.84	15.87			
5	QPSK	24	0	15.73	15.88	15.92	17	0	
5	QPSK	24	12	15.79	15.86	15.79			
5	QPSK	24	19	15.79	15.86	15.93			
5	HQAM	1	24	15.76	15.91	15.87	17	0	
5	HQAM	1	37	15.80	15.93	15.88			
5	HQAM	12	7	15.80	15.82	15.92	17	0	
5	HQAM	12	19	15.75	15.88	15.82			
5	HQAM	1	0	15.83	15.90	15.93			
5	HQAM	1	12	15.74	15.90	15.84	17	0	
5	HQAM	1	25	15.76	15.90	15.83			
5	HQAM	12	0	15.77	15.85	15.84			
5	HQAM	12	7	15.77	15.85	15.84	17	0	
5	HQAM	12	19	15.77	15.85	15.84			
5	HQAM	24	0	15.83	15.90	15.90			
5	HQAM	24	12	15.83	15.90	15.90	17	0	
5	HQAM	24	19	15.83	15.90	15.90			
5	25QAM	1	24	15.79	15.88	15.86	17	0	
5	25QAM	1	37	15.80	15.92	15.87			
5	25QAM	12	7	15.85	15.81	15.88			
5	25QAM	12	19	15.84	15.94	15.88	17	0	

Band 12_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)														
23005 23055 23155														
753 757.5 711														
10	QPSK	1	0	20.20	20.53	20.69	22.5	0						
10	QPSK	1	25	20.72	20.76	20.54								
10	QPSK	1	49	20.74	20.72	20.68								
10	QPSK	25	0	20.20	20.51	20.64								
10	QPSK	25	13	20.73	20.76	20.64								
10	QPSK	25	25	20.73	20.80	20.63	22.5	0						
10	QPSK	50	0	20.73	20.81	20.54								
10	16QAM	1	0	20.79	20.79	20.68								
10	16QAM	1	25	20.68	20.77	20.59								
10	16QAM	1	49	20.81	20.69	20.65								
10	16QAM	25	0	20.67	20.50	20.15	22	0.5						
10	16QAM	25	12	20.23	20.22	20.18								
10	16QAM	25	25	20.50	20.19	20.13								
10	16QAM	50	0	20.21	20.23	20.14								
10	64QAM	1	0	20.30	20.29	20.40								
10	64QAM	1	25	20.27	20.25	20.40	22	0.5						
10	64QAM	1	49	20.25	20.21	20.35								
10	64QAM	25	0	19.07	19.23	19.13								
10	64QAM	25	12	19.21	19.20	19.19								
10	64QAM	25	25	19.20	19.21	19.05								
10	64QAM	50	0	19.19	19.22	19.14	21	1.5						
10	256QAM	1	0	17.12	17.15	17.20								
10	256QAM	1	25	17.25	17.31	17.11								
10	256QAM	1	49	17.24	17.18	17.13								
10	256QAM	25	0	17.25	17.27	17.22								
10	256QAM	25	12	17.11	17.18	17.12	19	3.5						
10	256QAM	25	25	17.21	17.26	17.09								
10	256QAM	50	0	17.15	17.31	17.12								
Channel														
Frequency (MHz)														
23005 23055 23155														
753 757.5 711														
5	QPSK	1	0	20.76	20.74	20.66	22.5	0						
5	QPSK	1	12	20.65	20.69	20.58								
5	QPSK	1	24	20.59	20.61	20.68								
5	QPSK	12	0	20.69	20.74	20.64								
5	QPSK	12	7	20.64	20.76	20.68								
5	QPSK	12	13	20.69	20.79	20.57	22.5	0						
5	QPSK	25	0	20.61	20.69	20.52								
5	16QAM	1	0	20.75	20.55	20.68								
5	16QAM	1	12	20.60	20.72	20.68								
5	16QAM	1	24	20.68	20.54	20.66								
5	16QAM	12	0	20.14	20.00	20.10	22	0.5						
5	16QAM	12	7	20.17	20.02	20.14								
5	16QAM	12	13	20.08	20.00	20.03								
5	16QAM	25	0	20.03	20.00	20.10								
5	64QAM	1	0	20.19	20.06	20.09								
5	64QAM	1	12	20.09	20.19	20.05	22	0.5						
5	64QAM	1	24	20.07	20.16	20.10								
5	64QAM	12	0	19.03	19.21	19.13								
5	64QAM	12	7	19.15	19.10	19.14								
5	64QAM	12	13	19.15	19.04	19.11								
5	64QAM	25	0	19.09	19.18	19.08	21	1.5						
5	256QAM	1	0	17.17	17.29	17.15								
5	256QAM	1	12	17.01	17.25	17.12								
5	256QAM	1	24	17.08	17.25	17.20								
5	256QAM	12	0	17.14	17.18	17.11								
5	256QAM	12	7	17.25	17.18	17.21	19	3.5						
5	256QAM	12	13	17.15	17.12	17.25								
5	256QAM	25	0	17.12	17.19	17.12								
Channel														
Frequency (MHz)														
23005 23055 23155														
753 757.5 711														
3	QPSK	1	0	20.67	20.76	20.54	22.5	0						
3	QPSK	1	8	20.68	20.71	20.64								
3	QPSK	1	14	20.72	20.63	20.54								
3	QPSK	8	0	20.71	20.75	20.58								
3	QPSK	8	4	20.68	20.67	20.62								
3	QPSK	8	7	20.67	20.74	20.56	22.5	0						
3	QPSK	16	0	20.59	20.69	20.51								
3	16QAM	1	0	20.64	20.58	20.57								
3	16QAM	1	8	20.55	20.66	20.65								
3	16QAM	1	14	20.65	20.57	20.52								
3	16QAM	8	0	20.11	20.01	20.01	22	0.5						
3	16QAM	8	4	20.04	20.09	20.05								
3	16QAM	8	7	20.17	20.16	20.10								
3	16QAM	16	0	20.21	20.20	20.03								
3	64QAM	1	0	20.05	20.09	20.15								
3	64QAM	1	8	20.18	20.17	20.17	22	0.5						
3	64QAM	1	14	20.15	20.05	20.05								
3	64QAM	8	0	19.17	19.20	19.20								
3	64QAM	8	4	19.09	19.13	19.04								
3	64QAM	8	7	19.15	19.07	19.15								
3	256QAM	1	0	19.09	19.15	19.05	19	3.5						
3	256QAM	1	8	17.21	17.25	17.20								
3	256QAM	1	14	17.13	17.30	17.23								
3	256QAM	8	0	17.23	17.19	17.10								
3	256QAM	8	4	17.21	17.26	17.25								
3	256QAM	8	7	17.15	17.25	17.27	19	3.5						
3	256QAM	16	0	17.19	17.23	17.27								
Channel														
Frequency (MHz)														
6999.5 7007.5 7015.5														
1.4	QPSK	1	0	20.58	20.72	20.65	22.5	0						
1.4	QPSK	1	3	20.62	20.71	20.59								
1.4	QPSK	1	5	20.69	20.57	20.64								
1.4	QPSK	3	0	20.72	20.65	20.53								
1.4	QPSK	3	1	20.65	20.71	20.59								
1.4	QPSK	3	3	20.63	20.72	20.54	22.5	0						
1.4	QPSK	6	0	20.68	20.78	20.52								
1.4	16QAM	1	0	20.74	20.69	20.63								
1.4	16QAM	1	3	20.53	20.63	20.68								
1.4	16QAM	1	5	20.73	20.62	20.59								
1.4	16QAM	3	0	20.78	20.62	20.57	22.5	0						
1.4	16QAM	3	1	20.64	20.64	20.57								
1.4	16QAM	3	3	20.75	20.75	20.59								
1.4	16QAM	6	0	20.76	20.58	20.68								
1.4	16QAM	6	1	20.06	20.20	20.19								
1.4	64QAM	1	0	20.00	20.09	20.04	22	0.5						
1.4	64QAM	1	3	20.15	20.16	20.18								
1.4	64QAM	1	5	20.17	20.08	20.07								
1.4	64QAM	3	0	20.12	20.63	20.18								
1.4	64QAM	3	1	20.09	20.09	20.19								
1.4	64QAM	3	3	20.15	20.14	20.14	21	1.0						
1.4	64QAM	6	0	19.13	19.02	19.20								
1.4	256QAM	1	0	17.16	17.21	17.18	19	3.5						
1.4	256QAM	1	3	17.25	17.24	17.24								
1.4	256QAM	1	5	17.09	17.13	17.18								
1.4	256QAM	3	0	17.27	17.27	17.27								
1.4	256QAM	3	1	17.18	17.12	17.23								

Band 14_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	Ch Data + S.S	SVC		
Channel												
23300												
Frequency (MHz)												
10	QPSK	1	0	18.10			19.5	0	0.25	19.50		
10	QPSK	1	25	17.85			19.50					
10	QPSK	1	49	17.94			19.50					
10	QPSK	25	0	18.05			19.50					
10	QPSK	25	12	17.89			19.50		0.17	19.50		
10	QPSK	25	25	17.96			19.50					
10	QPSK	50	0	18.00			19.50					
10	16QAM	1	0	17.88			19.50					
10	16QAM	1	25	18.01			19.50	0.19		19.50		
10	16QAM	1	49	18.07			19.50					
10	16QAM	25	0	17.90			19.50					
10	16QAM	25	12	17.96			19.50	0.19		19.50		
10	16QAM	25	25	17.94			19.50					
10	16QAM	50	0	17.98			19.50					
10	16QAM	1	0	17.83			19.50	0.12		19.50		
10	16QAM	1	25	18.02			19.50					
10	16QAM	1	49	17.90			19.50					
10	16QAM	25	0	18.07			19.50					
10	16QAM	25	12	18.02			19.50	0.19		19.50		
10	16QAM	25	25	17.97			19.50					
10	16QAM	50	0	17.93			19.50					
10	256QAM	1	25	18.02			19.50					
10	256QAM	1	49	17.90			19.50					
10	256QAM	25	0	17.93			19.50					
10	256QAM	25	12	17.97			19.50	0.14		19.50		
10	256QAM	25	25	17.94			19.50					
10	256QAM	50	0	17.93			19.50					
10	256QAM	1	49	17.20			19	0.5	0.04	19.00		
10	256QAM	25	0	17.18			19.00					
10	256QAM	25	12	17.21			19.00					
10	256QAM	25	25	17.20			19.00					
10	256QAM	50	0	17.20			19.00					
Channel												
23305												
Frequency (MHz)												
5	QPSK	1	0	17.87	17.90	17.88	19.5	0	0.20	19.50		
5	QPSK	1	12	17.72	17.81	17.81	19.50					
5	QPSK	1	24	17.67	17.86	17.82	19.50					
5	QPSK	12	0	17.86	17.81	17.85	19.50					
5	QPSK	12	7	17.88	17.87	17.75	19.50	0.22		19.50		
5	QPSK	12	13	17.88	17.88	17.85	19.50					
5	16QAM	1	0	17.82	17.78	17.83	19.50					
5	16QAM	1	12	17.82	18.00	17.85	19.50	0.26		19.50		
5	16QAM	1	24	18.04	18.04	18.01	19.50					
5	16QAM	12	0	17.81	17.75	17.76	19.50					
5	16QAM	12	7	17.85	17.85	17.84	19.50	0.28		19.50		
5	16QAM	12	13	18.04	17.89	18.03	19.50					
5	16QAM	25	0	17.87	17.86	17.86	19.50					
5	16QAM	25	0	17.83	17.78	17.81	19.50	0.19		19.50		
5	16QAM	1	12	17.87	17.82	17.86	19.50					
5	16QAM	1	24	17.78	17.89	17.78	19.50					
5	16QAM	12	0	17.85	17.82	18.04	19.50					
5	16QAM	12	7	17.85	17.82	17.82	19.50	0.27		19.50		
5	16QAM	12	13	17.87	17.81	17.80	19.50					
5	16QAM	25	0	17.85	17.79	17.85	19.50					
5	256QAM	1	0	17.80	17.88	17.20	19	0.5	0.25	19.00		
5	256QAM	1	12	17.13	17.25	17.14	19.00					
5	256QAM	1	24	17.05	17.16	17.13	19.00					
5	256QAM	12	0	17.04	17.04	17.05	19.00	0.5	0.15	19.00		
5	256QAM	12	7	17.08	17.07	17.19	19.00					
5	256QAM	12	13	17.09	17.09	17.12	19.00					
5	256QAM	25	0	17.10	17.17	17.14	19.00					

Band 17_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.15	22.29	22.22						
10	QPSK	1	25	22.13	22.14	22.19	24	0				
10	QPSK	1	49	22.13	22.21	22.21						
10	QPSK	25	0	21.26	21.19	21.10						
10	QPSK	25	12	21.05	21.08	21.05	23	1				
10	QPSK	25	25	21.04	21.05	21.07						
10	16QAM	1	0	21.13	21.12	21.08						
10	16QAM	1	25	21.08	21.04	21.12	23	1				
10	16QAM	1	49	21.03	21.05	21.14						
10	16QAM	25	0	20.10	20.18	20.15						
10	16QAM	25	12	20.04	20.10	20.07	22	2				
10	16QAM	25	25	20.06	20.06	20.08						
10	16QAM	50	0	20.10	20.19	20.10						
10	64QAM	1	0	20.09	20.12	20.17						
10	64QAM	1	25	20.11	20.17	20.16	22	2				
10	64QAM	1	49	20.05	20.17	20.15						
10	64QAM	25	0	19.02	19.19	19.09						
10	64QAM	25	12	19.13	19.07	19.10						
10	64QAM	25	25	19.12	19.05	19.04	21	3				
10	64QAM	50	0	19.11	19.08	19.09						
10	256QAM	1	0	17.10	17.12	17.10						
10	256QAM	1	25	17.03	17.23	17.17	10	5				
10	256QAM	1	49	17.08	17.28	17.10						
10	256QAM	25	0	17.18	17.12	17.10						
10	256QAM	25	12	17.07	17.10	17.10						
10	256QAM	25	25	17.14	17.13	17.10	10	5				
10	256QAM	50	0	17.05	17.20	17.21						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.05	22.20	22.12						
5	QPSK	1	12	22.10	22.08	22.07	24	0				
5	QPSK	1	24	22.08	22.09	22.08						
5	QPSK	12	0	21.19	21.34	21.24						
5	QPSK	12	7	21.23	21.16	21.21	23	1				
5	QPSK	12	13	21.14	21.16	21.11						
5	16QAM	1	0	21.27	21.23	21.19						
5	16QAM	1	12	21.26	21.11	21.19	23	1				
5	16QAM	1	24	21.02	21.19	21.19						
5	16QAM	12	0	20.22	20.29	20.21						
5	16QAM	12	7	20.18	20.18	20.24	22	2				
5	16QAM	12	13	20.19	20.16	20.23						
5	16QAM	25	0	20.02	20.30	20.30						
5	16QAM	25	0	20.16	20.32	20.30						
5	64QAM	1	12	20.09	20.33	20.19	22	2				
5	64QAM	1	24	20.02	20.02	20.09						
5	64QAM	12	0	19.09	19.38	19.12						
5	64QAM	12	7	19.26	19.19	19.28	21	3				
5	64QAM	12	13	19.28	19.11	19.11						
5	64QAM	25	0	19.09	19.18	19.22						
5	256QAM	1	0	17.23	17.44	17.44						
5	256QAM	1	12	17.08	17.12	17.10	10	5				
5	256QAM	1	24	17.15	17.45	17.45						
5	256QAM	12	0	17.23	17.22	17.45						
5	256QAM	12	7	17.26	17.18	17.40						
5	256QAM	12	13	17.21	17.20	17.40						
5	256QAM	25	0	17.18	17.27	17.35						

Band 17_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.09	20.78	20.74						
10	QPSK	1	25	20.58	20.70	20.67	22.5	0				
10	QPSK	1	49	20.58	20.65	20.65						
10	QPSK	25	0									
10	QPSK	25	12	20.65	20.74	20.72	22.5	0				
10	QPSK	25	37	20.65	20.68	20.68						
10	QPSK	50	0	20.63	20.68							
10	HQAM	1	0	20.51	20.68	20.75						
10	HQAM	1	25	20.51	20.67	20.67	22.5	0				
10	HQAM	1	49	20.51	20.73	20.69						
10	HQAM	25	0	20.14	20.22	20.14						
10	HQAM	25	12	20.15	20.20	20.20	22	0.5				
10	HQAM	25	37	20.15	20.21	20.15						
10	HQAM	50	0	20.16	20.21							
10	HQAM	50	12	20.17	20.23	20.18	22	0.5				
10	HQAM	1	25	20.19	20.19	20.19						
10	HQAM	1	49	20.19	20.25	20.21						
10	HQAM	25	0	19.12	19.27	19.12						
10	HQAM	25	12	19.12	19.30	19.18	21	1.5				
10	HQAM	25	37	19.12	19.28	19.18						
10	HQAM	50	0	19.17	19.25	19.15						
10	HQAM	50	12	19.17	19.27	19.17	19	3.5				
10	HQAM	1	25	17.14	17.21	17.08						
10	HQAM	1	49	17.24	17.28	17.27						
10	HQAM	25	0	17.27	17.32	17.27						
10	HQAM	25	12	17.23	17.24	17.20	19	3.5				
10	HQAM	25	37	17.17	17.14	17.23						
10	HQAM	50	0	17.24	17.24	17.24						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.63	20.73	20.63						
10	QPSK	1	25	20.63	20.67	20.67	22.5	0				
10	QPSK	1	49	20.54	20.56	20.54						
10	QPSK	25	0	20.54	20.56	20.56						
10	QPSK	25	12	20.54	20.57	20.54	22.5	0				
10	QPSK	12	7	20.54	20.57	20.54						
10	HQAM	1	0	20.51	20.68	20.63						
10	HQAM	1	25	20.51	20.67	20.67	22.5	0				
10	HQAM	1	49	20.51	20.68	20.63						
10	HQAM	12	0	20.52	20.52	20.52						
10	HQAM	12	24	20.52	20.54	20.52						
10	HQAM	12	0	20.15	20.14	20.14						
10	HQAM	12	24	20.15	20.17	20.11	22	0.5				
10	HQAM	12	13	20.17	20.20	20.19						
10	HQAM	25	0	20.11	20.17	20.19						
10	HQAM	25	12	20.12	20.14	20.13	22	0.5				
10	HQAM	25	13	20.13	20.15	20.15						
10	HQAM	50	0	19.21	19.16	19.13						
10	HQAM	12	7	19.18	19.19	19.15	21	1.5				
10	HQAM	12	24	19.17	19.17	19.17						
10	HQAM	25	0	19.09	19.02	19.02						
10	HQAM	1	0	17.17	17.17	17.17						
10	HQAM	1	25	17.17	17.17	17.17	19	3.5				
10	HQAM	1	49	17.11	17.18	17.19						
10	HQAM	12	0	17.12	17.12	17.12						
10	HQAM	12	7	17.12	17.17	17.17	19	3.5				
10	HQAM	12	13	17.11	17.22	17.06						
10	HQAM	12	24	17.12	17.12	17.12						

Band 25_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F1)	Power Mid Ch (F2)	Power High Ch (F3)	Turn-on time (min)	MFR (dB)		
Channel										
Frequency (MHz)	Channel	26140	26140	26140	26140	26140				
20 QPSK	1	0	17.29	17.09	17.55					
20 QPSK	1	49	17.42	17.51	17.41		19	0		
20 QPSK	1	99	17.44	17.56	17.48					
20 QPSK	50	0	17.52	17.54	17.53					
20 QPSK	50	24	17.46	17.46	17.51					
20 QPSK	50	50	17.40	17.48	17.51					
20 QPSK	100	0	17.40	17.50	17.53					
15 QPSK	1	0	17.42	17.57	17.50					
15 QPSK	1	49	17.44	17.46	17.53		19	0		
15 QPSK	1	99	17.44	17.46	17.52					
15 QPSK	50	0	17.53	17.54	17.46					
15 QPSK	50	24	17.47	17.50	17.53		19	0		
15 QPSK	100	0	17.47	17.48	17.48					
15 QPSK	100	50	17.47	17.48	17.48					
15 QPSK	1	49	17.52	17.50	17.54		19	0		
15 QPSK	1	99	17.53	17.57	17.47					
15 QPSK	50	0	17.42	17.50	17.43					
15 QPSK	50	24	17.48	17.47	17.45		19	0		
15 QPSK	100	0	17.46	17.56	17.41					
15 QPSK	100	50	17.47	17.48	17.48					
15 QPSK	1	0	17.43	17.52	17.45					
15 QPSK	1	49	17.44	17.57	17.51		19	0		
15 QPSK	1	99	17.40	17.56	17.47					
15 QPSK	50	0	17.42	17.48	17.43					
15 QPSK	50	24	17.44	17.56	17.40		19	0		
15 QPSK	100	0	17.47	17.48	17.48					
15 QPSK	100	50	17.39	17.54	17.54					
15 QPSK	1	0	17.39	17.54	17.54		Turn-on time (min)	MFR (dB)		
Frequency (MHz)	Channel	18615	18615	18615	18615	18615				
15 QPSK	1	0	17.46	17.54	17.46					
15 QPSK	1	37	17.35	17.37	17.38		19	0		
15 QPSK	1	74	17.33	17.41	17.43					
15 QPSK	1	111	17.47	17.39	17.38		19	0		
15 QPSK	25	0	17.37	17.33	17.38					
15 QPSK	25	37	17.38	17.39	17.47		19	0		
15 QPSK	75	0	17.34	17.48	17.49					
15 QPSK	1	0	17.36	17.38	17.42					
15 QPSK	1	37	17.40	17.38	17.40		19	0		
15 QPSK	1	74	17.38	17.34	17.40					
15 QPSK	36	0	17.47	17.53	17.36					
15 QPSK	36	20	17.40	17.58	17.50		19	0		
15 QPSK	36	39	17.42	17.38	17.36					
15 QPSK	75	0	17.33	17.43	17.40					
15 QPSK	75	37	17.37	17.36	17.46		19	0		
15 QPSK	1	74	17.46	17.50	17.38					
15 QPSK	36	0	17.32	17.46	17.28					
15 QPSK	36	20	17.38	17.48	17.36		19	0		
15 QPSK	36	39	17.44	17.34	17.32					
15 QPSK	75	0	17.33	17.43	17.41					
Channel										
Frequency (MHz)	Channel	26950	26940	26940	26940	26940	Turn-on time (min) <td>MFR (dB)</td> <td></td> <td></td>	MFR (dB)		
5 QPSK	1	0	17.42	17.47	17.45					
5 QPSK	1	12	17.42	17.41	17.38		19	0		
5 QPSK	1	24	17.43	17.53	17.46					
5 QPSK	12	0	17.45	17.46	17.47					
5 QPSK	12	7	17.35	17.36	17.50		19	0		
5 QPSK	12	13	17.35	17.37	17.50					
5 QPSK	25	0	17.31	17.45	17.40					
5 QPSK	25	1	17.38	17.44	17.40		19	0		
5 QPSK	25	12	17.38	17.48	17.40					
5 QPSK	1	24	17.40	17.39	17.40		19	0		
5 QPSK	1	12	17.38	17.48	17.40					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17.39					
5 QPSK	12	7	17.39	17.48	17.45		19	0		
5 QPSK	12	13	17.42	17.48	17.48					
5 QPSK	12	25	17.40	17.35	17.40		19	0		
5 QPSK	1	0	17.45	17.35	17.36					
5 QPSK	1	12	17.44	17.53	17.43		19	0		
5 QPSK	1	24	17.42	17.52	17.37					
5 QPSK	12	0	17.38	17.48	17					

Band 30_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MFR [dB]	
Channel				27710			27710	MFR (dB)	
Frequency [MHz]				27710					
10	QPSK	1	0	22.22			24	0	
10	QPSK	1	25	22.22					
10	QPSK	1	49	22.18					
10	QPSK	25	0	21.40			23	1	
10	QPSK	25	12	21.28					
10	QPSK	25	25	21.57					
10	QPSK	50	0	21.38			23	1	
10	16QAM	1	0	21.25					
10	16QAM	1	25	21.24					
10	16QAM	1	49	21.30			22	2	
10	16QAM	25	0	20.37					
10	16QAM	25	12	20.34					
10	16QAM	25	25	20.36			22	2	
10	16QAM	50	0	20.36					
10	16QAM	1	0	20.84					
10	16QAM	1	25	20.72			21	3	
10	16QAM	1	49	20.51					
10	16QAM	25	0	19.34					
10	16QAM	25	12	18.43			19	5	
10	16QAM	25	25	18.57					
10	16QAM	50	0	19.41					
10	256QAM	1	0	17.24			19	5	
10	256QAM	1	25	17.28					
10	256QAM	1	49	17.26					
10	256QAM	25	0	17.25			19	5	
10	256QAM	25	12	17.31					
10	256QAM	25	25	17.22					
Channel <th>27685</th> <th>27710</th> <th>27735</th> <th rowspan="2">27685</th> <th rowspan="2">27710</th> <th rowspan="2">27735</th>				27685	27710	27735	27685	27710	27735
Frequency [MHz] <th colspan="6">27685</th>				27685					
5	QPSK	1	0	22.02	22.12	22.13	24	0	
5	QPSK	1	12	22.19	22.18	22.07			
5	QPSK	1	24	22.08	22.05	22.06			
5	QPSK	12	0	21.17	21.20	21.23	23	1	
5	QPSK	12	7	21.27	21.23	21.29			
5	QPSK	12	13	21.27	21.23	21.26			
5	QPSK	25	0	21.10	21.17	21.25	23	1	
5	16QAM	1	0	21.08	21.15	21.17			
5	16QAM	1	12	21.13	21.15	21.21			
5	16QAM	1	24	21.15	21.20	21.19	22	2	
5	16QAM	12	0	20.23	20.25	20.35			
5	16QAM	12	13	20.35	20.33	20.25			
5	16QAM	25	0	20.25	20.24	20.27	22	2	
5	16QAM	1	0	20.75	20.69	20.66			
5	16QAM	1	12	20.60	20.67	20.63			
5	16QAM	1	24	20.64	20.79	20.72	21	3	
5	16QAM	12	0	19.27	19.31	19.19			
5	16QAM	12	7	19.28	19.34	19.33			
5	16QAM	12	13	19.18	19.32	19.21	21	3	
5	16QAM	25	0	19.33	19.29	19.21			
5	256QAM	1	0	17.19	17.00	17.22			
5	256QAM	1	12	17.21	17.05	17.07	19	5	
5	256QAM	1	24	17.28	17.04	17.32			
5	256QAM	12	0	17.27	17.12	17.18			
5	256QAM	12	7	17.18	17.16	17.12	19	5	
5	256QAM	12	13	17.32	17.11	17.06			
5	256QAM	25	0	17.38	17.19	17.14			

Band 30_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MFR [dB]				
Channel				27710			27710	MFR (dB)				
Frequency [MHz]				27710								
10	QPSK	1	0	12.45			14	0				
10	QPSK	1	25	12.23								
10	QPSK	1	49	12.33								
10	QPSK	25	0	12.37			14	0				
10	QPSK	25	12	12.31								
10	QPSK	25	49	12.35								
10	QPSK	50	0	12.35			14	0				
10	16QAM	1	0	12.30								
10	16QAM	1	25	12.30								
10	16QAM	1	49	12.26			14	0				
10	16QAM	25	0	12.37								
10	16QAM	25	12	12.32								
10	16QAM	25	25	12.26			14	0				
10	16QAM	50	0	12.30								
10	16QAM	1	0	12.29								
10	16QAM	1	25	12.25			14	0				
10	16QAM	1	49	12.25								
10	16QAM	25	0	12.24								
10	16QAM	25	12	12.30			14	0				
10	16QAM	25	25	12.23								
10	16QAM	50	0	12.25								
10	256QAM	1	0	12.35			14	0				
10	256QAM	1	25	12.35								
10	256QAM	1	49	12.26								
10	256QAM	25	0	12.37			14	0				
10	256QAM	25	12	12.36								
10	256QAM	25	25	12.37								
10	256QAM	50	0	12.37			27685	27710	27735			
Channel				27685								
Frequency [MHz]				27685								
5	QPSK	1	0	12.18	12.44	12.37	14	0				
5	QPSK	1	12	12.31	12.18	12.18						
5	QPSK	1	24	12.30	12.32	12.23						
5	QPSK	12	0	12.35	12.27	12.34	14	0				
5	QPSK	12	7	12.17	12.28	12.26						
5	QPSK	12	13	12.24	12.24	12.30						
5	QPSK	25	0	12.23	12.30	12.32	14	0				
5	16QAM	1	0	12.31	12.27	12.32						
5	16QAM	1	49	12.32	12.30	12.15						
5	16QAM	1	24	12.33	12.23	12.18	14	0				
5	16QAM	12	0	12.36	12.33	12.23						
5	16QAM	12	13	12.23	12.24	12.30						
5	16QAM	25	0	12.17	12.23	12.18	14	0				
5	16QAM	1	0	12.24	12.15	12.22						
5	16QAM	1	12	12.24	12.24	12.17						
5	16QAM	1	24	12.24	12.21	12.22	14	0				
5	16QAM	12	0	12.22	12.18	12.22						
5	16QAM	12	7	12.20	12.28	12.28						
5	16QAM	12	13	12.15	12.28	12.23	14	0				
5	16QAM	25	0	12.15	12.26	12.23						
5	256QAM	1	0	12.25	12.28	12.25						
5	256QAM	1	10	12.25	12.25	12.25	14	0				
5	256QAM	1	24	12.16	12.21	12.22						
5	256QAM	12	7	12.28	12.21	12.30						
5	256QAM	12	13	12.29	12.25	12.28	14	0				
5	256QAM	25	0	12.28	12.35	12.26						

Band 66_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)				
Channel 130272 130273 130275												
Frequency (MHz)												
20	QPSK	1	0	22.79	22.82	22.79			24	0		
20	QPSK	1	49	22.82	22.82	22.79						
20	QPSK	1	98	22.79	22.82	22.82						
20	QPSK	50	0	21.55	21.55	21.55			23	1		
20	QPSK	50	24	21.50	21.57	21.55						
20	QPSK	100	0	21.54	21.62	21.57						
20	16QAM	1	0	21.65	21.66	21.64			23	1		
20	16QAM	1	49	21.61	21.69	21.71						
20	16QAM	1	99	21.70	21.80	21.75						
20	16QAM	50	0	20.58	20.42	20.57			22	2		
20	16QAM	50	24	20.59	20.49	20.53						
20	16QAM	100	0	20.54	20.48	20.56						
20	84QAM	1	0	20.70	20.72	20.73			22	2		
20	84QAM	1	49	20.76	20.67	20.69						
20	84QAM	1	99	20.65	20.70	20.73						
20	84QAM	50	0	19.58	19.47	19.59			21	3		
20	84QAM	50	24	19.52	19.49	19.53						
20	84QAM	100	0	19.42	19.50	19.56						
20	256QAM	1	0	17.20	17.23	17.29			19	5		
20	256QAM	1	49	17.29	17.22	17.23						
20	256QAM	1	99	17.18	17.30	17.16						
20	256QAM	50	0	17.14	17.22	17.13			19	5		
20	256QAM	50	24	17.22	17.22	17.19						
20	256QAM	50	50	17.21	17.16	17.14						
20	256QAM	100	0	17.28	17.17	17.23			Turn-up (dB)	MFR (dB)		
20	256QAM	100	0	17.28	17.17	17.23						
Channel 130276 130277 130279												
Frequency (MHz)												
15	QPSK	1	0	22.75	22.66	22.66			24	0		
15	QPSK	1	37	22.61	22.53	22.71						
15	QPSK	1	74	22.67	22.63	22.63			23	1		
15	QPSK	36	0	21.36	21.58	21.46						
15	QPSK	36	20	21.41	21.46	21.49			23	1		
15	QPSK	36	36	21.47	21.56	21.51						
15	QPSK	75	0	21.42	21.48	21.45			23	1		
15	16QAM	1	0	21.51	21.54	21.51						
15	16QAM	1	37	21.48	21.52	21.62			22	2		
15	16QAM	1	74	21.62	21.64	21.59						
15	16QAM	36	0	20.47	20.23	20.40			22	2		
15	16QAM	36	20	20.54	20.38	20.31						
15	16QAM	36	36	20.25	20.44	20.44			22	2		
15	16QAM	75	0	20.46	20.27	20.36						
15	84QAM	1	0	20.62	20.55	20.59			22	2		
15	84QAM	1	37	20.77	20.61	20.75						
15	84QAM	1	74	20.72	20.61	20.61			21	3		
15	84QAM	36	0	19.46	19.36	19.54						
15	84QAM	36	20	19.34	19.48	19.40			21	3		
15	84QAM	36	36	19.50	19.41	19.56						
15	256QAM	1	0	17.29	17.23	17.15			19	5		
15	256QAM	1	37	17.27	17.24	17.24						
15	256QAM	1	74	17.15	17.27	17.12			19	5		
15	256QAM	36	0	17.31	17.18	17.21						
15	256QAM	36	20	17.16	17.33	17.33			19	5		
15	256QAM	36	36	17.21	17.22	17.23						
15	256QAM	75	0	17.51	17.16	17.22			Turn-up (dB)	MFR (dB)		
15	256QAM	75	0	17.51	17.16	17.22						
Channel 130280 130281 130283												
Frequency (MHz)												
10	QPSK	1	0	22.69	22.74	22.73			24	0		
10	QPSK	1	24	22.51	22.63	22.63						
10	QPSK	1	49	22.66	22.56	22.64			23	1		
10	QPSK	25	0	21.44	21.56	21.62						
10	QPSK	25	12	21.34	21.36	21.37			23	1		
10	QPSK	25	25	21.33	21.51	21.57						
10	QPSK	50	0	21.49	21.57	21.56			23	1		
10	16QAM	1	0	21.48	21.54	21.53						
10	16QAM	1	25	21.49	21.60	21.57			23	1		
10	16QAM	1	49	21.61	21.65	21.65						
10	16QAM	25	0	20.38	20.23	20.42			22	2		
10	16QAM	25	12	20.53	20.32	20.49						
10	16QAM	25	25	20.37	20.44	20.43			22	2		
10	16QAM	50	0	20.50	20.40	20.44						
10	84QAM	1	0	20.59	20.62	20.60			22	2		
10	84QAM	1	25	20.66	20.68	20.68						
10	84QAM	1	49	20.49	20.68	20.70			21	3		
10	84QAM	25	0	19.39	19.37	19.46						
10	84QAM	25	12	19.50	19.39	19.45			21	3		
10	84QAM	25	25	19.33	19.33	19.48						
10	84QAM	50	0	19.39	19.37	19.46			21	3		
10	84QAM	50	12	19.43	19.32	19.41						
10	84QAM	12	0	19.33	19.40	19.47			21	3		
10	84QAM	12	12	19.49	19.33	19.44						
10	256QAM	1	0	17.29	17.17	17.17			19	5		
10	256QAM	1	49	17.17	17.25	17.30						
10	256QAM	25	0	17.24	17.33	17.19			19	5		
10	256QAM	25	12	17.20	17.30	17.22						
10	256QAM	25	25	17.19	17.20	17.17			Turn-up (dB)	MFR (dB)		
10	256QAM	50	0	17.16	17.26	17.15						
Channel 130284 130285 130287												
Frequency (MHz)												
3	QPSK	1	0	22.74	22.80	22.75			24	0		
3	QPSK	1	12	22.68	22.67	22.56						
3	QPSK	1	24	22.58	22.62	22.63			23	1		
3	QPSK	12	0	21.52	21.63	21.60						
3	QPSK	12	7	21.33	21.37	21.47			23	1		
3	QPSK	25	0	21.51	21.50	21.55						
3	16QAM	1	0	21.51	21.46	21.50			23	1		
3	16QAM	1	12	21.46	21.48	21.50						
3	16QAM	1	24	21.50	21.78	21.58			22	2		
3	16QAM	12	0	20.54	20.40	20.47						
3	16QAM	12	7	20.40	20.40	20.48			22	2		
3	16QAM	12	13	20.39	20.28	20.61						
3	16QAM	36	0	20.52	20.36	20.46			22	2		
3	16QAM	36	1	20.50	20.57	20.49						
3	84QAM	1	0	20.76	20.49	20.60			22	2		
3	84QAM	1	24	20.58	20.52	20.57						
3	84QAM	12	0	19.83	19.37	19.81			21	3		
3	84QAM	12	7	19.43	19.32	19.41						
3	84QAM	12	13	19.33	19.40	19.47			21	3		
3	84QAM	25	0	19.49	19.33	19.44						
3	256QAM	1	0	17.29	17.17	17.17			19	5		
3	256QAM	1	12	17.13	17.20	17.23						
3	256QAM	1	24	17.21	17.18	17.28			19	5		
3	256QAM	12	0	17.26	17.26	17.26						
3	256QAM	12	7	17.17	17.24	17.32			19	5		
3	256QAM	12	13	17.15	17.20	17.27						
3	256QAM	25	0	17.15	17.25	17.23			Turn-up (dB)	MFR (dB)		
3	256QAM	25	0	17.15	17.25	17.23						
Channel 130288 130289 130291												
Frequency (MHz)												
1.4	QPSK	1	0	22.77	22.70	22.67			24	0		
1.4	QPSK	1	3	22.60	22.69	22.69						
1.4	QPSK	1	6	22.67	22.67	22.67			23	1		
1.4	QPSK	3	0	21.44	21.56	21.59						
1.4	QPSK	3	3	21.62	21.64	21.73			23	1		
1.4	QPSK	6	0	21.51	21.66	21.66						
1.4	QPSK	6	3	21.60	21.63	21.67			23	1		
1.4	QPSK	12	0	21.59	21.59	21.77						
1.4	QPSK	12	3	21.51	21.54	21.73			22	2		
1.4	QPSK	24	0	21.64	21.78	21.62						
1.4	QPSK	24	3	21.53	21.63	21.69			22	2		
1.4	QPSK	48	0	20.65	20.65	20.64						
1.4	QPSK	48	3	20.62	20.65	20.69			22	2		
1.4	QPSK	96	0	20.58	20.68	20.68						
1.4	QPSK	96	3	20.64	20.54	20.64			22	2		
1.4	QPSK	192	0	20.76	20.52	20.66						
1.4	QPSK	192	3	21.4	20.76	20.76			21	3		
1.4	QPSK	384	0	19.44	19.38	19.54						
1.4	QPSK	384	3	17.23	17.20	17.26			21	3		
1.4	QPSK	768	0	17.4	17.30	17.30						
1.4	QPSK	768	3	17.30	17.26	17.28			19	5		
1.4	QPSK	1536	0	17.32	17.34	17.37						
1.4	256QAM	3	3	17.32	17.17	17.28			19	5		
1.4	256QAM	3	6	17.32	17.18	17.28						

Band 71_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)		
Channel				193222	193297	193372				
Frequency (MHz)				671	680	688				
20	QPSK	1	0	22.47	22.52	22.43	24	0		
20	QPSK	1	98	22.46	22.50	22.53				
20	QPSK	50	0	21.52	21.62	21.57				
20	QPSK	50	24	21.47	21.60	21.50				
20	QPSK	50	50	21.48	21.57	21.47	23	1		
20	QPSK	100	0	21.47	21.55	21.50				
20	16QAM	1	0	21.55	21.75	21.58				
20	16QAM	1	49	21.72	21.73	21.68				
20	16QAM	50	0	21.61	21.70	21.61	23	1		
20	16QAM	50	0	20.81	20.70	20.87				
20	16QAM	50	24	20.59	20.73	20.59				
20	16QAM	50	50	20.63	20.75	20.59				
20	16QAM	100	0	20.57	20.68	20.62	22	2		
20	16QAM	1	0	20.57	20.68	20.62				
20	64QAM	1	0	20.44	20.60	20.41				
20	64QAM	1	98	20.50	20.65	20.48				
20	64QAM	50	0	19.73	19.75	19.74	22	2		
20	64QAM	50	24	19.50	19.70	19.53				
20	64QAM	50	50	19.51	19.68	19.48				
20	64QAM	100	0	19.59	19.72	19.61				
20	256QAM	1	0	17.34	17.37	17.36	21	3		
20	256QAM	1	49	17.47	17.46	17.37				
20	256QAM	1	99	17.36	17.41	17.32				
20	256QAM	50	0	17.40	17.37	17.44				
20	256QAM	50	24	17.43	17.46	17.49	19	5		
20	256QAM	50	24	17.33	17.36	17.32				
20	256QAM	100	0	17.42	17.33	17.43				
20	256QAM	100	0	17.42	17.33	17.43				
Channel				193172	193297	193322	Turn-up time (min)	MPE (dB)		
Frequency (MHz)				668	680	693				
15	QPSK	1	0	22.44	22.49	22.44	24	0		
15	QPSK	1	37	22.35	22.39	22.32				
15	QPSK	1	74	22.37	22.47	22.26				
15	QPSK	36	0	21.33	21.52	21.47				
15	QPSK	36	20	21.37	21.44	21.44	23	1		
15	QPSK	36	36	21.46	21.47	21.39				
15	QPSK	75	0	21.35	21.49	21.46				
15	16QAM	1	0	21.49	21.64	21.41				
15	16QAM	1	39	21.54	21.67	21.54	23	1		
15	16QAM	1	74	21.54	21.57	21.42				
15	16QAM	36	0	20.48	20.64	20.64				
15	16QAM	36	26	20.52	20.57	20.51				
15	16QAM	36	36	20.50	20.67	20.43	22	2		
15	16QAM	75	0	20.82	20.88	20.83				
15	64QAM	1	0	20.45	20.54	20.59				
15	64QAM	1	37	20.24	20.47	20.30				
15	64QAM	1	74	20.25	20.57	20.34	22	2		
15	64QAM	36	0	19.65	19.73	19.70				
15	64QAM	36	20	19.48	19.51	19.46				
15	64QAM	36	36	19.35	19.53	19.45				
15	64QAM	75	0	19.39	19.69	19.47	19	5		
15	256QAM	1	0	17.44	17.45	17.39				
15	256QAM	1	37	17.37	17.45	17.36				
15	256QAM	1	74	17.42	17.45	17.44				
15	256QAM	36	0	17.36	17.43	17.34	19	5		
15	256QAM	36	26	17.40	17.44	17.44				
15	256QAM	36	36	17.41	17.38	17.38				
15	256QAM	75	0	17.42	17.46	17.42				
Channel				193172	193297	193322	Turn-up time (min)	MPE (dB)		
Frequency (MHz)				668	680	693				
10	QPSK	1	0	22.44	22.49	22.44	24	0		
10	QPSK	1	26	22.39	22.50	22.35				
10	QPSK	1	49	22.28	22.47	22.19				
10	QPSK	25	0	21.46	21.61	21.54				
10	QPSK	25	12	21.46	21.47	21.39	23	1		
10	QPSK	25	25	21.47	21.44	21.33				
10	QPSK	50	0	21.30	21.35	21.46				
10	16QAM	1	0	21.47	21.57	21.45				
10	16QAM	1	25	21.69	21.72	21.64	23	1		
10	16QAM	1	49	21.43	21.67	21.43				
10	16QAM	25	0	20.57	20.54	20.60				
10	16QAM	25	12	20.50	20.58	20.44				
10	16QAM	25	25	20.48	20.60	20.45	22	2		
10	16QAM	50	0	20.46	20.61	20.53				
10	64QAM	1	0	20.48	20.67	20.55				
10	64QAM	1	26	20.40	20.58	20.38				
10	64QAM	1	49	20.34	20.50	20.36	22	2		
10	64QAM	25	0	19.57	19.59	19.73				
10	64QAM	25	12	19.47	19.58	19.57				
10	64QAM	25	25	19.44	19.48	19.29				
10	64QAM	50	0	19.42	19.59	19.41	21	3		
10	64QAM	12	7	20.49	20.61	20.54				
10	16QAM	12	13	20.58	20.58	20.44				
10	16QAM	36	0	20.35	20.59	20.47				
10	64QAM	1	0	20.55	20.59	20.59	22	2		
10	64QAM	1	12	20.30	20.48	20.25				
10	64QAM	1	24	20.37	20.57	20.33				
10	64QAM	12	0	19.70	19.61	19.57				
10	64QAM	12	7	19.47	19.68	19.42	21	3		
10	64QAM	12	13	19.44	19.65	19.47				
10	64QAM	25	0	19.48	19.71	19.44				
10	256QAM	1	0	17.35	17.40	17.31				
10	256QAM	1	12	17.44	17.49	17.49	19	5		
10	256QAM	1	24	17.37	17.48	17.47				
10	256QAM	12	0	17.36	17.38	17.42				
10	256QAM	12	7	17.33	17.39	17.38				
10	256QAM	12	13	17.36	17.50	17.31	19	5		
10	256QAM	25	0	17.39	17.46	17.49				

Band 71_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)				183522	183507	183512				
20	QPSK	1	0	22.31	22.37	22.45	24	0		
20	QPSK	1	49	22.36	22.46	22.38				
20	QPSK	1	98	22.35	22.47	22.40				
20	QPSK	50	0	21.45	21.52	21.51				
20	QPSK	50	24	21.42	21.49	21.39	23	1		
20	QPSK	50	50	21.39	21.50	21.39				
20	QPSK	100	0	21.45	21.50	21.48				
20	16QAM	1	0	21.43	21.61	21.52				
20	16QAM	1	49	21.46	21.63	21.61	23	1		
20	16QAM	1	98	21.45	21.56	21.49				
20	16QAM	50	0	20.50	20.30	20.47				
20	16QAM	50	24	20.45	20.67	20.43				
20	16QAM	50	50	20.45	20.67	20.43	22	2		
20	16QAM	100	0	20.50	20.67	20.53				
20	16QAM	100	24	20.45	20.67	20.53				
20	16QAM	100	50	20.45	20.67	20.53				
20	16QAM	1	49	20.36	20.41	20.39	21	3		
20	16QAM	1	98	20.48	20.49	20.35				
20	16QAM	50	0	19.73	19.70	19.73				
20	16QAM	50	24	19.66	19.58	19.42				
20	16QAM	50	50	19.65	19.55	19.60	19	5		
20	16QAM	100	0	19.73	19.48	19.41				
20	16QAM	100	24	19.68	19.51	19.38				
20	16QAM	100	50	19.73	19.41	19.40				
20	16QAM	1	0	17.33	17.38	17.32	19	5		
20	16QAM	1	49	17.37	17.40	17.41				
20	16QAM	1	98	17.37	17.41	17.40				
20	16QAM	100	0	17.35	17.43	17.38				
Frequency (MHz)				183517	183502	183512	Turn-up time (min)	MPE (dB)		
15	QPSK	1	0	22.48	22.53	22.26	24	0		
15	QPSK	1	27	22.26	22.44	22.24				
15	QPSK	1	54	22.27	22.48	22.26				
15	QPSK	36	0	21.30	21.49	21.49				
15	QPSK	36	27	21.31	21.42	21.30	23	1		
15	QPSK	36	54	21.28	21.34	21.42				
15	QPSK	72	0	21.31	21.48	21.31				
15	QPSK	72	27	21.48	21.51	21.51				
15	16QAM	1	0	21.48	21.50	21.50	23	1		
15	16QAM	1	27	21.48	21.48	21.27				
15	16QAM	36	0	20.29	20.59	20.27				
15	16QAM	36	27	20.40	20.61	20.31				
15	16QAM	36	54	20.40	20.61	20.31	22	2		
15	16QAM	72	0	20.34	20.58	20.48				
15	16QAM	72	27	20.29	20.29	20.34				
15	16QAM	144	0	20.34	20.58	20.48				
15	16QAM	1	0	19.66	19.64	19.41	21	3		
15	16QAM	1	27	19.67	19.38	19.38				
15	16QAM	36	0	19.44	19.44	19.46				
15	16QAM	36	27	19.30	19.53	19.29				
15	16QAM	36	54	19.44	19.46	19.41	19	5		
15	16QAM	72	0	17.30	17.34	17.29				
15	16QAM	72	27	17.43	17.43	17.34				
15	16QAM	144	0	17.43	17.43	17.34				
15	16QAM	1	0	17.46	17.45	17.23	19	5		
15	16QAM	1	27	17.46	17.45	17.23				
15	16QAM	36	0	17.31	17.44	17.44				
15	16QAM	36	27	17.46	17.45	17.23				
Channel				1835172	1835072	1835022	Turn-up time (min)	MPE (dB)		
Frequency (MHz)				6968	6963	6963				
10	QPSK	1	0	22.31	22.37	22.45	24	0		
10	QPSK	1	26	22.32	22.44	22.21				
10	QPSK	1	49	22.28	22.38	22.24				
10	QPSK	1	72	21.49	21.49	21.44				
10	QPSK	25	12	21.36	21.36	21.36	23	1		
10	QPSK	25	26	21.22	21.48	21.54				
10	QPSK	50	1	21.26	21.51	21.57				
10	QPSK	50	12	21.46	21.39	21.41				
10	16QAM	1	0	21.30	21.60	21.50	23	1		
10	16QAM	1	26	21.60	21.61	21.27				
10	16QAM	25	12	20.35	20.43	20.45				
10	16QAM	25	26	20.44	20.36	20.33				
10	16QAM	25	49	20.44	20.36	20.33	22	2		
10	16QAM	50	1	20.40	20.64	20.42				
10	16QAM	50	12	20.51	20.59	20.58				
10	16QAM	100	1	20.35	20.29	20.29				
10	16QAM	1	0	20.40	20.31	20.25	22	2		
10	16QAM	1	26	20.36	20.42	20.21				
10	16QAM	25	12	19.64	19.62	19.30				
10	16QAM	25	26	19.60	19.43	19.65				
10	16QAM	25	49	19.68	19.68	19.29	19	5		
10	16QAM	50	1	17.40	17.33	17.34				
10	16QAM	50	12	17.40	17.48	17.40				
10	16QAM	100	1	17.45	17.50	17.46				
10	16QAM	1	0	17.35	17.46	17.39	19	5		
10	16QAM	1	26	17.35	17.45	17.39				
10	16QAM	25	12	17.47	17.47	17.39				
10	16QAM	25	26	17.47	17.49	17.39				
Channel				1835172	1835072	1835022	Turn-up time (min)	MPE (dB)		
Frequency (MHz)				6968	6963	6953.5				
5	QPSK	1	0	22.38	22.44	22.28	24	0		
5	QPSK	1	12	22.27	22.35	22.26				
5	QPSK	1	24	22.28	22.34	22.29				
5	QPSK	12	0	21.43	21.39	21.52				
5	QPSK	12	7	21.24	21.37	21.26	23	1		
5	QPSK	12	19	21.38	21.39	21.29				
5	QPSK	24	0	21.38	21.36	21.40				
5	QPSK	24	12	21.45	21.41	21.38				
5	16QAM	1	0	21.47	21.47	21.59	23	1		
5	16QAM	1	24	21.43	21.47	21.31				
5	16QAM	12	7	20.44	20.58	20.51				
5	16QAM	12	19	20.43	20.49	20.40				
5	16QAM	12	33	20.43	20.49	20.40	22	2		
5	16QAM	24	0	20.29	20.50	20.53				
5	16QAM	24	12	20.32	20.21	20.26				
5	16QAM	24	19	20.32	20.21	20.26				
5	16QAM	12	13	19.67	19.53	19.52	21	3		
5	16QAM	12	19	19.55	19.38	19.38				
5	16QAM	12	33	19.55	19.38	19.38				
5	16QAM	24	0	17.30	17.32	17.30				
5	16QAM	1	0	17.32	17.51	17.33	19	5		
5	16QAM	1	24	17.42	17.51	17.33				
5	16QAM	12	7	17.42	17.48	17.48				
5	16QAM	12	19	17.33	17.40	17.42				
5	16QAM	1	0	17.37	17.46	17.42	19	5		
5	16QAM	1	24	17.37	17.46	17.42				
5	16QAM	12	7	17.37	17.46	17.42				
5	16QAM	12	19	17.37	17.46	17.42				

Band 38_Ant 2										
RF [MHz]	Modulation	RB Size	RF Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.60	22.61	22.61				
20	QPSK	1	40	22.62	22.60	22.65	24	0		
20	QPSK	1	90	22.63	22.62	22.67				
20	QPSK	50	0	21.63	21.59	21.65				
20	QPSK	50	24	21.57	21.58	21.60	23	1		
20	QPSK	50	50	21.52	21.61	21.68				
20	QPSK	100	0	21.52	21.59	21.68				
20	16QAM	1	0	21.78	21.75	21.80				
20	16QAM	1	40	21.89	21.78	21.88	23	1		
20	16QAM	1	90	21.75	21.82	21.80				
20	16QAM	50	0	20.80	20.80	20.80				
20	16QAM	50	24	20.80	20.79	20.79	22	2		
20	16QAM	50	50	20.85	20.85	20.85				
20	16QAM	100	0	20.82	20.80	20.71				
20	16QAM	1	0	20.82	20.82	20.85				
20	16QAM	1	40	20.80	20.87	20.79	22	2		
20	16QAM	1	90	20.87	20.82	20.83				
20	16QAM	50	24	19.54	19.51	19.57				
20	16QAM	50	50	19.53	19.62	19.70	21	3		
20	16QAM	50	90	19.50	19.59	19.76				
20	256QAM	1	0	17.40	17.40	17.43				
20	256QAM	1	40	17.27	17.39	17.40	19	5		
20	256QAM	1	90	17.29	17.42	17.38				
20	256QAM	50	0	17.30	17.38	17.40				
20	256QAM	50	24	17.24	17.37	17.29	19	5		
20	256QAM	50	50	17.29	17.34	17.30				
20	256QAM	100	0	17.29	17.34	17.30				
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.77	22.68	22.73	Turn-up (dB)	MPR (dB)		
16	QPSK	1	37	22.52	22.60	22.60	24	0		
16	QPSK	1	74	22.56	22.51	22.67				
16	QPSK	36	0	21.63	21.65	21.64				
16	QPSK	36	20	21.47	21.37	21.59	23	1		
16	QPSK	36	39	21.55	21.62	21.61				
16	16QAM	1	0	21.80	21.85	21.63				
16	16QAM	1	37	21.63	21.80	21.80	23	1		
16	16QAM	1	74	21.63	21.80	21.80				
16	16QAM	36	0	20.45	20.59	20.53				
16	16QAM	36	20	20.43	20.54	20.78	22	2		
16	16QAM	36	39	20.47	20.49	20.48				
16	16QAM	75	0	20.51	20.46	20.70				
16	16QAM	1	0	20.48	20.57	20.48				
16	16QAM	1	37	20.47	20.49	20.48	22	2		
16	16QAM	1	74	20.53	20.78	21.00				
16	16QAM	36	0	19.45	19.32	19.39				
16	16QAM	36	20	19.45	19.39	19.39	21	3		
16	16QAM	36	39	19.52	19.52	19.53				
16	16QAM	75	0	19.38	19.38	19.41				
16	256QAM	1	0	17.52	17.52	17.52	Turn-up (dB)	MPR (dB)		
16	256QAM	1	37	17.24	17.20	17.21	19	5		
16	256QAM	1	74	17.22	17.21	17.20				
16	256QAM	36	0	17.50	17.51	17.50				
16	256QAM	36	20	17.56	17.50	17.50	19	5		
16	256QAM	36	39	17.52	17.51	17.51				
16	256QAM	75	0	17.12	17.25	17.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.54	22.62	22.59	Turn-up (dB)	MPR (dB)		
10	QPSK	1	25	22.52	22.52	22.61	24	0		
10	QPSK	1	40	22.58	22.60	22.61				
10	QPSK	25	0	21.61	21.69	21.62				
10	QPSK	25	12	21.40	21.47	21.44	23	1		
10	QPSK	25	24	21.40	21.40	21.51				
10	QPSK	50	0	21.67	21.69	21.65				
10	QPSK	50	12	21.42	21.41	21.46	23	1		
10	16QAM	1	25	21.68	21.69	21.70	23	1		
10	16QAM	1	40	21.61	21.70	21.75				
10	16QAM	25	0	20.43	20.57	20.48				
10	16QAM	25	12	20.45	20.60	20.59	22	2		
10	16QAM	25	24	20.39	20.60	20.78				
10	16QAM	50	0	20.46	20.52	20.50				
10	16QAM	1	0	20.40	20.50	20.48				
10	16QAM	1	25	20.50	20.27	20.61	22	2		
10	16QAM	1	40	20.50	20.27	20.61				
10	16QAM	25	0	19.38	19.45	19.50				
10	16QAM	25	12	19.40	19.39	19.67	21	3		
10	16QAM	25	24	19.51	19.50	19.58				
10	256QAM	1	0	17.56	17.54	17.56	Turn-up (dB)	MPR (dB)		
10	256QAM	1	40	17.26	17.30	17.31	19	5		
10	256QAM	1	25	17.18	17.17	17.28				
10	256QAM	25	0	17.50	17.51	17.51				
10	256QAM	25	12	17.24	17.30	17.31	19	5		
10	256QAM	25	24	17.18	17.26	17.30				
10	256QAM	25	25	17.57	17.51	17.51				
10	256QAM	50	0	17.10	17.20	17.31				

Band 38_Ant 9										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.95	18.95	18.95				
20	QPSK	1	40	18.94	18.96	18.79	20	0		
20	QPSK	1	90	18.93	18.97	18.85				
20	QPSK	50	0	18.94	18.96	18.95				
20	QPSK	50	24	18.96	18.97	18.82	20	0		
20	QPSK	50	50	18.90	18.90	18.80				
20	QPSK	100	0	18.94	18.96	18.95				
20	16QAM	1	0	18.91	18.96	18.85				
20	16QAM	1	40	18.86	18.94	18.73	20	0		
20	16QAM	1	90	18.93	18.95	18.77				
20	16QAM	50	0	18.83	18.97	18.82				
20	16QAM	50	24	18.84	18.91	18.78	20	0		
20	16QAM	50	50	18.89	18.87	18.80				
20	16QAM	100	0	18.88	18.97	18.78				
20	16QAM	1	0	18.84	18.94	18.73				
20	16QAM	1	40	18.84	18.88	18.79	20	0		
20	16QAM	1	90	18.87	18.96	18.80				
20	16QAM	50	0	18.86	18.92	18.80				
20	16QAM	50	24	18.84	18.94	18.78	20	0		
20	16QAM	50	50	18.91	18.92	18.81				
20	256QAM	1	0	17.65	17.72	17.82				
20	256QAM	1	40	17.45	17.55	17.25	19	1		
20	256QAM	1	90	17.62	17.66	17.58				
20	256QAM	50	0	17.62	17.66	17.58				
20	256QAM	50	24	17.60	17.61	17.51	19	1		
20	256QAM	50	50	17.59	17.61	17.83				
20	256QAM	100	0	17.52	17.64	17.61				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.93	18.94	18.97	Turn-up (dB)	MPR (dB)		
15	QPSK	1	37	18.89	18.84	18.87	20	0		
15	QPSK	1	74	18.81	18.81	18.70				
15	QPSK	36	0	18.95	18.93	18.78				
15	QPSK	36	20	18.85	18.77	18.72	20	0		
15	QPSK	36	39	18.84	18.96	18.74				
15	QPSK	75	0	18.89	18.83	18.78				
15	16QAM	1	0	18.77	18.84	18.80				
15	16QAM	1	37	18.73	18.86	18.80	20	0		
15	16QAM	1	74	18.82	18.82	18.75				
15	16QAM	36	0	18.72	18.95	18.72				
15	16QAM	36	20	18.88	18.72	18.68	20	0		
15	16QAM	36	39	18.83	18.84	18.74				
15	16QAM	75	0	18.84	18.86	18.76				
15	16QAM	1	0	18.70	18.83	18.78				
15	16QAM	1	37	18.91	18.83	18.73	20	0		
15	16QAM	1	74	18.78	18.77	18.68				
15	16QAM	36	0	18.74	18.83	18.70				
15	16QAM	36	20	18.80	18.79	18.68	20	0		
15	16QAM	36	39	18.80	18.89	18.68				
15	16QAM	75	0	18.81	18.88	18.78				
15	256QAM	1	0	17.60	17.60	17.60	Turn-up (dB)	MPR (dB)		
15	256QAM	1	37	17.40	17.42	17.38	19	1		
15	256QAM	1	74	17.56	17.57	17.51				
15	256QAM	36	0	17.56	17.56	17.56				
15	256QAM	36	20	17.56	17.53	17.34	19	1		
15	256QAM	36	39	17.56	17.58	17.54				
15	256QAM	75	0	17.60	17.60	17.54				
15	256QAM	1	0	17.50	17.53	17.54				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.92	18.94	18.97	Turn-up (dB)	MPR (dB)		
10	QPSK	1	25	18.79	18.81	18.69	20	0		
10	QPSK	1	50	18.84	18.84	18.75				
10	QPSK	25	0	18.94	18.91	18.80				
10	QPSK	25	12	18.82	18.94	18.81	20	0		
10	QPSK	25	25	18.88	18.81	18.71				
10	QPSK	50	0	18.82	18.91	18.77				
10	16QAM	1	0	18.80	18.89	18.74				
10	16QAM	1	25	18.74	18.80	18.62	20	0		
10	16QAM	1	49	18.84	18.88	18.62				
10	16QAM	25	0	18.88	18.82	18.77	20	0		
10	16QAM	25	12	18.86	18.73	18.71				
10	16QAM	25	25	18.79	18.84	18.77				
10	16QAM	50	0	18.79	18.95	18.80				
10	16QAM	50	12	18.88	18.81	18.71	20	0		
10	16QAM	50	25	18.79	18.75	18.68				
10	16QAM	1	0	18.80	18.89	18.71				
10	16QAM	1	25	18.86	18.73	18.75	20	0		
10	16QAM	1	49	18.88	18.87	18.65				
10	16QAM	25	0	18.88	18.81	18.75	20	0		
10	16QAM	25	12	18.86	18.73	18.75				
10	16QAM	25	25	18.79	18.75	18.68				
10	16QAM	50	0	18.82	18.91	18.77	20	0		
10	16QAM	50	12	18.88	18.81	18.71				
10	16QAM	50	25	18.79	18.75	18.68				
10	256QAM	1	0	17.52	17.63	17.54				

Band 41_Ant 2															
RF Modulation	RF Rate	RF Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (sec)	MPR (dB)					
Channel															
3970.5 4016.5 4062.5 4108.5 4154.5															
Frequency (MHz)															
20	QPSK	1	0	19.79	22.48	22.37	22.65	22.50							
15	QPSK	1	80	19.77	22.38	22.37	22.65	22.50							
10	QPSK	1	90	22.90	22.47	22.35	22.70	22.60		24	0				
5	QPSK	1	99	22.90	22.47	22.35	22.70	22.60							
20	QPSK	25	0	18.80	21.30	21.27	21.61	21.54							
15	QPSK	25	84	18.79	21.29	21.26	21.60	21.53							
10	QPSK	50	50	20.65	21.40	21.35	21.75	21.60		23	1				
5	QPSK	50	50	21.34	21.58	21.56	21.77	21.70							
20	QPSK	100	0	18.75	20.46	20.31	20.73	20.67							
15	QPSK	100	0	18.75	20.46	20.30	20.74	20.68		22	2				
10	QPSK	100	0	18.75	20.47	20.30	20.71	20.62							
5	QPSK	100	0	18.75	20.46	20.30	20.74	20.68							
20	QPSK	150	0	17.89	20.50	20.31	20.73	20.70							
15	QPSK	150	0	17.87	20.49	20.30	20.74	20.69		22	2				
10	QPSK	150	0	17.87	20.50	20.31	20.73	20.69							
5	QPSK	150	0	17.87	20.50	20.31	20.73	20.69							
20	QPSK	1	99	20.77	20.45	20.21	20.62	20.58							
15	QPSK	1	99	20.77	20.45	20.21	20.62	20.58							
10	QPSK	1	99	20.77	20.45	20.21	20.62	20.58							
5	QPSK	1	99	20.77	20.45	20.21	20.62	20.58							
20	QPSK	50	50	19.80	19.51	19.35	19.76	19.67		21	3				
15	QPSK	50	50	19.79	19.48	19.31	19.75	19.66							
10	QPSK	50	50	19.79	19.47	19.31	19.75	19.66							
5	QPSK	50	50	19.79	19.47	19.31	19.75	19.66							
20	QPSK	100	0	14.59	17.14	17.08	17.28	17.23		19	5				
15	QPSK	100	0	14.59	17.14	17.08	17.28	17.23							
10	QPSK	100	0	14.59	17.14	17.08	17.28	17.23							
5	QPSK	100	0	14.59	17.14	17.08	17.28	17.23							
20	QPSK	150	0	14.80	17.17	17.17	17.22	17.27		19	5				
15	QPSK	150	0	14.80	17.17	17.17	17.22	17.27							
10	QPSK	150	0	14.80	17.17	17.17	17.22	17.27							
5	QPSK	150	0	14.80	17.17	17.17	17.22	17.27							
Channel															
3970.5 4016.5 4062.5 4108.5 4154.5															
Frequency (MHz)															
15	QPSK	1	87	22.51	22.53	22.51	22.67	22.67		24	0				
10	QPSK	1	87	22.51	22.53	22.51	22.67	22.67							
5	QPSK	1	87	22.51	22.53	22.51	22.67	22.67							
20	QPSK	1	74	22.87	22.43	22.23	22.68	22.87							
15	QPSK	1	74	22.87	22.43	22.23	22.68	22.87							
10	QPSK	1	74	22.87	22.43	22.23	22.68	22.87							
5	QPSK	1	74	22.87	22.43	22.23	22.68	22.87							
20	QPSK	50	50	21.82	21.38	21.23	21.60	21.70		23	1				
15	QPSK	50	50	21.82	21.38	21.23	21.60	21.70							
10	QPSK	50	50	21.82	21.38	21.23	21.60	21.70							
5	QPSK	50	50	21.82	21.38	21.23	21.60	21.70							
20	QPSK	100	0	18.80	21.30	21.05	21.67	21.61							
15	QPSK	100	0	18.80	21.30	21.05	21.67	21.61							
10	QPSK	100	0	18.80	21.30	21.05	21.67	21.61							
5	QPSK	100	0	18.80	21.30	21.05	21.67	21.61							
20	QPSK	150	0	16.89	19.38	19.23	19.61	19.61		23	1				
15	QPSK	150	0	16.89	19.38	19.23	19.61	19.61							
10	QPSK	150	0	16.89	19.38	19.23	19.61	19.61							
5	QPSK	150	0	16.89	19.38	19.23	19.61	19.61							
20	QPSK	50	50	20.78	20.47	20.24	20.55	20.54		22	2				
15	QPSK	50	50	20.78	20.47	20.24	20.55	20.54							
10	QPSK	50	50	20.78	20.47	20.24	20.55	20.54							
5	QPSK	50	50	20.78	20.47	20.24	20.55	20.54							
20	QPSK	100	0	17.48	18.47	18.23	18.60	18.57							
15	QPSK	100	0	17.48	18.47	18.23	18.60	18.57							
10	QPSK	100	0	17.48	18.47	18.23	18.60	18.57							
5	QPSK	100	0	17.48	18.47	18.23	18.60	18.57							
20	QPSK	150	0	14.80	17.17	17.17	17.22	17.27		22	2				
15	QPSK	150	0	14.80	17.17	17.17	17.22	17.27							
10	QPSK	150	0	14.80	17.17	17.17	17.22	17.27							
5	QPSK	150	0	14.80	17.17	17.17	17.22	17.27							
Channel															
3970.5 4016.5 4062.5 4108.5 4154.5															
Frequency (MHz)															
15	QPSK	1	0	19.73	22.33	22.25	22.70	22.60		24	0				
10	QPSK	1	0	19.73	22.33	22.25	22.70	22.60							
5	QPSK	1	25	22.72	22.27	22.35	22.53	22.64							
20	QPSK	1	25	22.72	22.27	22.35	22.53	22.64							
15	QPSK	25	0	18.75	21.30	21.10	21.60	21.70							
10	QPSK	25	0	18.75	21.30	21.10	21.60	21.70							
5	QPSK	25	12	21.84	21.24	21.23	21.64	21.70		23	1				
20	QPSK	25	12	21.84	21.24	21.23	21.64	21.70							
15	QPSK	50	50	20.65	21.40	21.35	21.75	21.60							
10	QPSK	50	50	20.65	21.40	21.35	21.75	21.60							
5	QPSK	50	50	20.65	21.40	21.35	21.75	21.60							
20	QPSK	100	0	18.80	21.34	21.15	21.60	21.60							
15	QPSK	100	0	18.80	21.34	21.15	21.60	21.60							
10	QPSK	100	0	18.80	21.34	21.15	21.60	21.60							
5	QPSK	100	0	18.80	21.34	21.15	21.60	21.60							
20	QPSK	150	0	16.89	19.38	19.23	19.61	19.61		23	1				
15	QPSK	150	0	16.89	19.38	19.23	19.61	19.61							
10	QPSK	150	0	16.89	19.38	19.23	19.61	19.61							
5	QPSK	150	0	16.89	19.38	19.23	19.61	19.61							
20	QPSK	50	50	20.78	20.42	20.26	20.64	20.74		22	2				
15	QPSK	50	50	20.78	20.42	20.26	20.64	20.74							
10	QPSK	50	50	20.78	20.42	20.26	20.64	20.74							
5	QPSK	50	50	20.78	20.42	20.26	20.64	20.74							
20	QPSK	100	0	17.45	18.48	18.31	18.70	18.60							
15	QPSK	100	0	17.45	18.48	18.31	18.70	18.60							
10	QPSK	100	0	17.45	18.48	18.31	18.70	18.60							
5	QPSK	100	0	17.45	18.48	18.31	18.70	18.60							
20	QPSK	150	0	14.59	17.14	17.08	17.28	17.23		19	5				
15	QPSK	150	0	14.59	17.14	17.08	17.28	17.23							
10	QPSK	150	0	14.59	17.14	17.08	17.28	17.23							
5	QPSK	150	0	14.59	17.14	17.08	17.28	17.23							
Channel															
3970.5 4016.5 4062.5 4108.5 4154.5															
Frequency (MHz)															
15	QPSK	1	0	19.73	22.33	22.25	22.67	22.67		24	0				
10	QPSK	1	0	19.73	22.33	22.25	22.67	22.67							
5	QPSK	1	24	22.88	22.44	22.31	22.72	22.70							
20	QPSK	1	12	19.86	21.32	21.16	21.69	21.62							
15	QPSK	1	12	19.86	21.32	21.16	21.69	21.62							
10	QPSK	1	12	19.86	21.32	21.16	21.69	21.62							
5	QPSK	1	12	19.86	21.32	21.16	21.69	21.62							
20	QPSK	12	13	21.67	21.36	21.31	21.68	21.72							
15	QPSK	12	13	21.67	21.36	21.31	21.68	21.72							
10	QPSK	12	13	21.67	21.36	21.31	21.68	21.72							
5	QPSK	12	13	21.67	21.36	21.31	21.68	21.72							
20	QPSK	1	0	19.83	21.30	21.14	21.53	21.50		23	1				
15	QPSK	1	12	21.72	21.24	21.21	21.68	21.74							
10	QPSK	1	12	21.67	21.34	21.29	21.72	21.78							
5	QPSK	1	12	19.86	21.33	21.28	21.69	21.69							
20	QPSK	12	13	21.86	21.31	21.22	21.62	21.70		22	2				
15	QPSK	12	13	21.86	21.31	21.22	21.62	21.70							
10	QPSK	12	13	21.86	21.31	21.22	21.62	21.70							
5	QPSK	12	13	21.86	21.31	21.22	21.62	21.70							
20	QPSK	1	12	20.43	20.34	20.33	20.42	20.44		22	2				
15	QPSK	1	12	20.43	20.37	20.32	20.41	20.43							
10	QPSK	12	13	19.87	19.37	19.29	19.52	19.50							
5	QPSK	12	13	17.83	18.28	18.21	18.53	18.53							
20	QPSK	1	13	19.83	19.33	19.21	19.53	19.53		21	3				
15	QPSK	1	13	17.81	18.36	18.19	18.53	18.50							
10	QPSK	1	13	15.88	17.68	17.52	17.29	17.44							
5	QPSK														

Band 41 (HPUE)_Ant 9													
BSI (MHz)	Modulation	BSI Rate	BSI Offset	Power Low Ch (W)	Power Low Mod (Ch/Freq)	Power High Ch (W)	Power High Mod (Ch/Freq)	Power High Ch (W)	Power High Mod (Ch/Freq)	Turn-on (sec)	MPR (dB)		
Channel													
Frequency (MHz)													
20	QPSK	1	0	20.85	20.84	20.84	21.01	21.01	21.28	21.0	0		
20	QPSK	1	80	20.85	20.84	20.84	21.01	21.01	21.28				
20	QPSK	50	0	20.89	20.71	20.89	20.93	20.93	21.20				
20	QPSK	50	80	20.90	20.68	20.90	20.93	20.93	21.20				
20	QPSK	50	160	20.90	20.68	20.93	20.96	20.96	21.14				
20	QPSK	100	0	20.87	20.64	20.79	20.91	20.91	21.14	21.0	0		
20	QPSK	100	80	20.88	20.64	20.84	20.94	20.94	21.14				
20	QPSK	100	160	20.88	20.64	20.84	20.94	20.94	21.20				
20	QPSK	100	240	20.88	20.64	20.84	20.94	20.94	21.20				
20	QPSK	100	360	20.88	20.64	20.84	20.94	20.94	21.20				
20	QPSK	1	0	20.80	20.68	20.82	20.93	20.93	21.17	21.0	0		
20	QPSK	1	80	20.80	20.68	20.82	20.93	20.93	21.17				
20	QPSK	1	160	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	240	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	360	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	480	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	600	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	720	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	840	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	960	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	1080	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	1200	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	1320	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	1440	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	1560	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	1680	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	1800	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	1920	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	2040	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	2160	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	2280	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	2400	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	2520	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	2640	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	2760	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	2880	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	3000	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	3120	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	3240	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	3360	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	3480	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	3600	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	3720	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	3840	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	3960	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	4080	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	4200	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	4320	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	4440	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	4560	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	4680	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	4800	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	4920	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	5040	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	5160	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	5280	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	5400	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	5520	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	5640	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	5760	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	5880	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	6000	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	6120	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	6240	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	6360	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	6480	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	6600	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	6720	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	6840	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	6960	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	7080	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	7200	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	7320	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	7440	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	7560	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	7680	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	7800	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	7920	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	8040	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	8160	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	8280	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	8400	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	8520	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	8640	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	8760	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	8880	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	9000	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	9120	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	9240	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	9360	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	9480	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	9600	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	9720	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	9840	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	9960	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	10080	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	10200	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	10320	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	10440	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	10560	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	10680	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	10800	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	10920	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	11040	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	11160	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	11280	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	11400	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	11520	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	11640	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	11760	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	11880	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	12000	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	12120	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	12240	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	12360	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	12480	20.80	20.71	20.83	21.02	21.02	21.21	21.0	0		
20	QPSK	1	12600	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	12720	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	12840	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	12960	20.80	20.71	20.83	21.02	21.02	21.21				
20	QPSK	1	13080	20.80	20.71	20.83	21.02						

Part 27Q_Band 42_Ant 7										
RF Modulation	RF	RF Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up (min)	MFR (dB)			
Channel				42190	42590	42990				
Frequency (MHz)				3461.5	3521.5	3581.5				
20 QPSK	1	0	13.82	13.94	13.21	15.5	0			
20 QPSK	1	49	13.72	13.80	13.60					
20 QPSK	1	99	13.77	13.79	13.77					
20 QPSK	50	0	13.70	13.68	13.51	15.5	0			
20 QPSK	50	24	13.74	13.70	13.78					
20 QPSK	50	50	13.73	13.62	13.76					
20 QPSK	100	0	13.72	13.69	13.71	15.5	0			
20 QPSK	100	49	13.72	13.60	13.77					
20 QPSK	100	99	13.76	13.62	13.76					
20 QPSK	50	0	13.68	13.63	13.74	15.5	0			
20 QPSK	50	24	13.76	13.60	13.77					
20 QPSK	50	50	13.73	13.68	13.77					
20 QPSK	100	0	13.76	13.68	13.74	15.5	0			
20 QPSK	100	49	13.88	13.63	13.74					
20 QPSK	100	99	13.72	13.80	13.62					
20 QPSK	50	0	13.67	13.66	13.71	15.5	0			
20 QPSK	50	24	13.76	13.63	13.79					
20 QPSK	50	50	13.72	13.79	13.79					
20 QPSK	100	0	13.73	13.77	13.77	15.5	0			
20 QPSK	100	49	13.73	13.77	13.77					
20 QPSK	100	99	13.73	13.77	13.79					
Channel				42190	42590	42990	Time-up (min)	MFR (dB)		
Frequency (MHz)				3461.5	3521.5	3581.5				
16 QPSK	1	0	13.72	13.73	13.74	15.5	0			
16 QPSK	1	37	13.62	13.73	13.84					
16 QPSK	1	74	13.62	13.63	13.60					
16 QPSK	36	0	13.72	13.78	13.68	15.5	0			
16 QPSK	36	20	13.63	13.61	13.59					
16 QPSK	36	36	13.68	13.67	13.76					
16 QPSK	75	0	13.72	13.77	13.78	15.5	0			
16 QPSK	75	0	13.71	13.63	13.61					
16 QPSK	75	37	13.63	13.76	13.75					
16 QPSK	1	0	13.71	13.63	13.61	15.5	0			
16 QPSK	1	74	13.64	13.77	13.76					
16 QPSK	36	0	13.69	13.60	13.60					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61	13.69	13.79	15.5	0			
16 QPSK	1	74	13.64	13.62	13.76					
16 QPSK	36	0	13.69	13.70	13.78					
16 QPSK	36	20	13.64	13.65	13.77	15.5	0			
16 QPSK	36	36	13.72	13.78	13.69					
16 QPSK	75	0	13.62	13.68	13.55					
16 QPSK	1	37	13.61							

Reduced Power Mode for ECI 3

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		31.64	31.78	31.65	33.50	22.64	22.78	22.65	24.50
GPRS 1 Tx slot		31.65	31.75	31.71	33.50	22.65	22.75	22.71	24.50
GPRS 2 Tx slots		29.23	29.35	29.32	31.00	23.23	23.35	23.32	25.00
GPRS 3 Tx slots		27.46	27.51	27.47	29.00	23.20	23.25	23.21	24.74
GPRS 4 Tx slots		26.14	26.15	26.01	28.00	23.14	23.15	23.01	25.00
EDGE 1 Tx slot		26.52	26.53	26.41	27.50	17.52	17.53	17.41	18.50
EDGE 2 Tx slots		25.27	25.40	25.22	26.00	19.27	19.40	19.22	20.00
EDGE 3 Tx slots		22.77	22.88	22.82	24.00	18.51	18.62	18.56	19.74
EDGE 4 Tx slots		21.25	21.31	21.13	22.50	18.25	18.31	18.13	19.50

29.63

GSM1900_Ant 2		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.11	29.28	29.24	30.50	20.11	20.28	20.24	21.50
GPRS 1 Tx slot		29.03	29.21	29.16	30.50	20.03	20.21	20.16	21.50
GPRS 2 Tx slots		26.94	27.08	26.84	28.00	20.94	21.08	20.84	22.00
GPRS 3 Tx slots		25.24	25.24	25.09	26.00	20.98	20.98	20.83	21.74
GPRS 4 Tx slots		24.10	24.16	23.96	25.00	21.10	21.16	20.96	22.00
EDGE 1 Tx slot		25.95	25.99	25.88	26.50	16.95	16.99	16.88	17.50
EDGE 2 Tx slots		24.88	24.92	24.81	25.50	18.88	18.92	18.81	19.50
EDGE 3 Tx slots		22.66	22.82	22.69	23.50	18.40	18.56	18.43	19.24
EDGE 4 Tx slots		21.41	21.55	21.50	22.50	18.41	18.55	18.50	19.50

Band		WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.61	20.64	20.63	22.00	20.96	21.12	21.07	22.50	22.45	22.50	22.42	24.00
3GPP Rel 99	RMC 12.2Kbps	20.65	20.67	20.65	22.00	21.10	21.15	21.08	22.50	22.47	22.53	22.45	24.00
3GPP Rel 6	HSDPA Subtest-1	20.59	20.59	20.65	22.00	21.02	21.10	21.06	22.50	21.58	21.53	21.50	23.00
3GPP Rel 6	HSDPA Subtest-2	20.60	20.63	20.63	22.00	21.08	21.04	20.97	22.50	21.55	21.53	21.48	23.00
3GPP Rel 6	HSDPA Subtest-3	20.52	20.50	20.64	22.00	21.07	21.11	21.01	22.50	21.07	21.09	21.02	22.50
3GPP Rel 6	HSDPA Subtest-4	20.63	20.57	20.57	22.00	21.09	21.04	21.06	22.50	21.02	20.99	21.03	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.56	20.60	20.61	22.00	21.09	21.13	20.97	22.50	21.46	21.48	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.59	20.63	20.54	22.00	21.02	21.10	21.00	22.50	21.54	21.34	21.47	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.51	20.55	20.59	22.00	20.95	21.06	20.93	22.50	20.87	20.98	20.99	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.63	20.58	20.53	22.00	21.01	21.02	21.02	22.50	20.82	20.98	21.00	22.50
3GPP Rel 6	HSUPA Subtest-1	19.69	19.69	19.69	21.00	19.85	19.87	19.84	21.00	19.35	19.54	19.42	21.00
3GPP Rel 6	HSUPA Subtest-2	19.68	19.65	19.68	20.50	19.88	19.82	19.86	20.50	19.39	19.39	19.42	20.50
3GPP Rel 6	HSUPA Subtest-3	20.62	20.50	20.56	21.50	20.90	20.90	20.87	21.50	20.57	20.50	20.42	21.50
3GPP Rel 6	HSUPA Subtest-4	19.19	19.15	19.21	20.50	19.44	19.38	19.33	20.50	19.03	19.04	19.08	20.50
3GPP Rel 6	HSUPA Subtest-5	20.52	20.64	20.53	22.00	20.90	20.90	20.80	22.50	20.61	20.53	20.68	22.50

Band 2_Ant 2													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on Time (sec)	MFR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	18.60	18.60	18.60							
20	QPSK	1	49	20.26	20.26	20.26	22	0					
20	QPSK	1	99	20.26	20.26	20.26							
20	QPSK	50	0	20.26	20.26	20.26							
20	QPSK	24	0	20.26	20.26	20.26							
20	QPSK	50	50	20.26	20.26	20.26	22	0					
20	QPSK	100	0	20.26	20.26	20.26							
20	16QAM	1	0	20.11	20.27	20.22							
20	16QAM	1	49	20.11	20.27	20.22	22	0					
20	16QAM	1	99	20.19	20.26	20.26							
20	16QAM	50	0	20.21	20.25	20.15							
20	16QAM	50	50	20.15	20.34	20.26	22	0					
20	16QAM	100	0	20.19	20.22	20.16							
20	16QAM	100	50	20.19	20.22	20.16							
20	64QAM	1	0	20.18	20.36	20.13	22	0					
20	64QAM	1	99	20.18	20.36	20.22							
20	64QAM	50	0	19.34	19.34	19.34							
20	64QAM	50	24	19.36	19.37	19.37	21	1					
20	64QAM	100	0	19.34	19.34	19.34							
20	64QAM	100	50	19.34	19.34	19.34							
20	256QAM	1	0	17.23	17.28	17.26							
20	256QAM	1	49	17.23	17.28	17.26	19	3					
20	256QAM	1	99	17.24	17.24	17.17							
20	256QAM	50	0	17.12	17.25	17.18							
20	256QAM	50	24	17.08	17.28	17.22	19	3					
20	256QAM	100	0	17.07	17.08	17.22							
20	256QAM	100	50	17.07	17.26	17.18	Turn-on Time (sec)	MFR (dB)					
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.61	18.60	18.62							
15	QPSK	1	37	20.16	20.34	20.24							
15	QPSK	1	74	20.13	20.33	20.24							
15	QPSK	1	74	20.09	20.13	20.18							
15	QPSK	36	0	20.12	20.22	20.12							
15	QPSK	36	37	20.09	20.13	20.18	22	0					
15	QPSK	36	39	20.05	20.16	20.11							
15	QPSK	75	0	20.05	20.24	20.12							
15	QPSK	75	37	20.04	20.13	20.18	22	0					
15	16QAM	1	37	20.08	20.23	20.08							
15	16QAM	1	74	20.10	20.12	20.21	22	0					
15	16QAM	36	0	20.10	20.12	20.21							
15	16QAM	36	37	20.04	20.19	20.13	22	0					
15	16QAM	36	39	20.01	20.19	20.13							
15	16QAM	75	0	20.04	20.08	20.12							
15	16QAM	75	37	20.01	20.20	20.03	22	0					
15	64QAM	1	0	20.01	20.20	20.03							
15	64QAM	1	37	20.01	20.20	20.03	22	0					
15	64QAM	1	74	20.11	20.21	20.14							
15	64QAM	36	0	19.26	19.11	19.24							
15	64QAM	36	37	19.24	19.11	19.24	21	1					
15	64QAM	36	39	19.15	19.15	19.21							
15	64QAM	75	0	19.15	19.15	19.21							
15	256QAM	1	0	17.18	17.25	17.22							
15	256QAM	1	37	17.19	17.23	17.19	19	3					
15	256QAM	1	74	17.19	17.23	17.19							
15	256QAM	36	0	17.03	17.21	17.16							
15	256QAM	36	37	17.19	17.22	17.07	19	3					
15	256QAM	36	39	17.19	17.22	17.07							
15	256QAM	75	0	17.03	17.21	17.16							
15	256QAM	75	37	17.02	17.18	17.07	Turn-on Time (sec)	MFR (dB)					
Channel													
Frequency (MHz)													
10	QPSK	1	0	20.23	20.22	20.22							
10	QPSK	1	25	20.13	20.22	20.16							
10	QPSK	24	0	20.13	20.22	20.16							
10	QPSK	24	24	20.10	20.28	20.20							
10	QPSK	25	25	20.14	20.17	20.13	22	0					
10	QPSK	50	0	20.08	20.19	20.18							
10	16QAM	1	25	20.09	20.17	20.18							
10	16QAM	1	74	20.09	20.17	20.18	22	0					
10	16QAM	1	49	20.04	20.20	20.13							
10	16QAM	25	0	20.10	20.21	20.15							
10	16QAM	25	25	20.12	20.19	20.10	22	0					
10	16QAM	50	0	20.09	20.20	20.15							
10	16QAM	50	25	20.11	20.22	20.11							
10	64QAM	1	0	19.34	19.07	19.20							
10	64QAM	25	12	19.32	19.33	19.20							
10	64QAM	25	25	19.34	19.33	19.20	21	1					
10	64QAM	50	0	19.25	19.23	19.21							
10	64QAM	50	25	19.26	19.23	19.21							
10	256QAM	1	0	17.06	17.11	17.14							
10	256QAM	1	25	17.08	17.11	17.14	19	3					
10	256QAM	1	49	17.21	17.24	17.24							
10	256QAM	1	74	17.21	17.24	17.24	19	3					
10	256QAM	25	12	17.06	17.09	17.13							
10	256QAM	25	25	17.18	17.21	17.23	19	3					
10	256QAM	50	0	17.08	17.11	17.14							
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.14	20.22	20.20							
5	QPSK	1	12	20.15	20.22	20.15							
5	QPSK	1	24	20.10	20.15	20.18	22	0					
5	QPSK	12	0	20.15	20.22	20.15							
5	QPSK	12	7	20.19	20.18	20.12							
5	QPSK	12	13	20.00	20.15	20.04	22	0					
5	QPSK	25	0	20.22	20.20	20.14							
5	16QAM	1	12	20.17	20.12	20.06							
5	16QAM	1	24	20.12	20.15	20.08	22	0					
5	16QAM	12	0	20.08	20.18	20.06							
5	16QAM	12	13	20.13	20.09	20.11	22	0					
5	16QAM	25	0	20.08	20.15	20.03							
5	16QAM	25	12	20.12	20.06	20.02	22	0					
5	64QAM	1	0	20.07	20.23	20.10							
5	64QAM	1	12	20.12	20.15	20.08							
5	64QAM	12	7	19.19	19.26	19.30	21	1					
5	64QAM	12	13	19.22	19.32	19.30							
5	64QAM	25	0	19.23	19.23	19.23							
5	64QAM	25	12	17.15	17.23	17.17							
5	256QAM	1	0	17.13	17.11	17.11	19	3					
5	256QAM	1	12	17.08	17.11	17.11							
5	256QAM	1	24	17.12	17.24	17.20							
5	256QAM	12	7	17.12	17.24	17.20	19	3					
5	256QAM	12	13	17.08	17.11	17.11							
5	256QAM	25	0	17.16	17.22	17.21	Turn-on Time (sec)	MFR (dB)					
Channel													
Frequency (MHz)													
3	QPSK	1	0	20.12	20.22	20.14							
3	QPSK	1	8	20.08	20.27	20.08							
3	QPSK	1	16	20.08	20.27	20.08	22	0					
3	QPSK	8	0	20.19	20.22	20.18							
3	QPSK	8	4	20.19	20.22	20.18							
3	QPSK	8	7	20.11	20.12	20.11	22	0					
3	16QAM	1	0	20.14	20.22	20.06							
3	16QAM	1	8	20.13	20.13	20.13							
3	16QAM	1	16	20.04	20.13	20.15							
3	16QAM	8	0	20.10	20.12	20.16							
3	16QAM	8	7	20.07	20.27	20.07	22	0					
3	16QAM	8	14	20.08	20.27	20.08							
3	64QAM	1	0	20.03	20.16	20.11							
3	64QAM	1	8	20.03	20.16	20.11	22	0					
3	64QAM	1	16	20.16	20.27	20.16							
3	64QAM	8	0	19.18	19.21	19.14							
3	64QAM	8	7	19.24	19.34	19.24	21	1					
3	64QAM	8	14	19.26	19.33	19.26							
3	256QAM	1	0	19.20	19.21	19.21							
3	256QAM	1	8	17.12	17.13	17.13	19	3					
3	256QAM	1	16	17.07	17.19	17.24							
3	256QAM	8	0	17.05	17.26	17.21							
3	256QAM	8	7	17.08	17.17	17.21	19	3					
3	25												

Band 4_Ant 9																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up Time (min)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	19.20	19.20	19.20	20.5	0								
20	QPSK	1	49	19.15	19.15	19.15										
20	QPSK	1	99	19.10	19.10	19.10										
20	QPSK	50	0	19.15	19.20	19.25										
20	QPSK	50	24	19.13	19.12	19.14										
20	QPSK	50	50	19.13	19.22	19.14										
20	QPSK	100	0	19.17	19.19	19.11										
20	16QAM	1	0	19.07	19.27	19.21										
20	16QAM	1	49	19.10	19.19	19.15			20.5	0						
20	16QAM	1	99	19.17	19.15	19.15										
20	16QAM	50	0	19.10	19.25	19.27										
20	16QAM	50	24	19.16	19.14	19.14										
20	16QAM	50	50	19.16	19.26	19.18										
20	16QAM	100	0	19.09	19.22	19.17										
20	16QAM	100	5	19.07	19.19	19.23										
20	8QAM	1	0	19.13	19.24	19.15										
20	8QAM	1	49	19.17	19.26	19.10	20.5	0								
20	8QAM	1	99	19.15	19.14	19.14										
20	8QAM	50	0	19.16	19.26	19.20										
20	8QAM	50	24	19.18	19.15	19.21										
20	8QAM	100	0	19.11	19.28	19.18										
20	8QAM	100	5	19.09	19.19	19.23										
20	256QAM	1	0	17.40	17.49	17.48										
20	256QAM	1	49	17.43	17.44	17.51			19	1.5						
20	256QAM	1	99	17.57	17.37	17.54										
20	256QAM	50	0	17.33	17.42	17.49										
20	256QAM	50	24	17.47	17.47	17.51										
20	256QAM	50	50	17.37	17.48	17.50										
20	256QAM	100	0	17.59	17.56	17.48										
Channel																
Frequency (MHz)																
15	QPSK	1	0	19.17	19.20	19.17	20.5	0								
15	QPSK	1	37	19.17	19.24	19.17										
15	QPSK	1	74	19.13	19.13	19.21										
15	QPSK	36	0	19.04	19.16	19.13										
15	QPSK	36	20	19.14	19.13	19.09										
15	QPSK	36	39	19.16	19.16	19.07										
15	QPSK	75	0	19.04	19.05	19.05										
15	16QAM	1	0	19.06	19.21	19.13										
15	16QAM	1	37	19.06	19.24	19.13			20.5	0						
15	16QAM	1	74	19.11	19.03	19.11										
15	16QAM	36	0	19.03	19.17	19.24										
15	16QAM	36	20	19.12	19.10	19.06										
15	16QAM	36	39	19.01	19.16	19.06										
15	16QAM	75	0	19.04	19.16	19.17										
15	8QAM	1	0	19.06	19.14	19.10	20.5	0								
15	8QAM	1	37	19.13	19.14	19.11										
15	8QAM	36	0	19.11	19.21	19.09										
15	8QAM	36	20	19.12	19.14	19.15										
15	8QAM	36	39	19.10	19.16	19.06										
15	8QAM	75	0	19.05	19.20	19.14										
15	256QAM	1	0	17.51	17.37	17.42			19	1.5						
15	256QAM	1	37	17.48	17.37	17.42										
15	256QAM	1	74	17.53	17.56	17.52										
15	256QAM	36	0	17.41	17.50	17.54										
15	256QAM	36	20	17.50	17.41	17.49										
15	256QAM	36	39	17.59	17.52	17.46										
15	256QAM	75	0	17.46	17.55	17.47										
15	256QAM	75	0	17.45	17.38	17.47										
Channel																
Frequency (MHz)																
10	QPSK	1	0	19.08	19.20	19.13	20.5	0								
10	QPSK	1	25	19.08	19.14	19.08										
10	QPSK	1	50	19.03	19.13	19.21										
10	QPSK	25	0	19.14	19.25	19.20										
10	QPSK	25	12	19.16	19.16	19.07										
10	QPSK	25	25	19.09	19.12	19.09										
10	QPSK	50	0	19.02	19.05	19.09										
10	QPSK	50	25	19.04	19.12	19.09										
10	16QAM	1	0	19.06	19.21	19.13			20.5	0						
10	16QAM	1	25	19.10	19.18	19.11										
10	16QAM	25	0	19.07	19.21	19.02										
10	16QAM	25	12	19.12	19.08	19.15										
10	16QAM	25	25	19.01	19.13	19.09										
10	16QAM	50	0	19.05	19.22	19.01										
10	16QAM	50	25	19.02	19.08	19.15										
10	16QAM	50	50	19.09	19.05	19.08										
10	256QAM	1	0	17.58	17.47	17.49	19	1.5								
10	256QAM	1	25	17.47	17.47	17.51										
10	256QAM	25	0	17.42	17.52	17.48										
10	256QAM	25	12	17.48	17.48	17.51										
10	256QAM	25	25	17.42	17.52	17.48										
10	256QAM	50	0	17.42	17.48	17.49										
Channel																
Frequency (MHz)																
5	QPSK	1	0	19.07	19.20	19.13			20.5	0						
5	QPSK	1	12	19.05	19.05	19.04										
5	QPSK	1	24	19.04	19.15	19.22										
5	QPSK	12	0	19.17	19.25	19.18										
5	QPSK	12	7	19.16	19.20	19.09										
5	QPSK	12	19	19.06	19.17	19.13										
5	QPSK	25	0	19.07	19.05	19.09										
5	16QAM	1	0	19.04	19.26	19.11	20.5	0								
5	16QAM	1	12	19.01	19.21	19.10										
5	16QAM	1	24	19.14	19.08	19.10										
5	16QAM	12	0	19.02	19.13	19.12										
5	16QAM	12	7	19.07	19.01	19.15										
5	16QAM	12	13	19.02	19.21	19.04										
5	16QAM	12	19	19.05	19.10	19.12										
5	8QAM	1	0	19.06	19.13	19.09			20.5	0						
5	8QAM	1	12	19.09	19.23	19.05										
5	8QAM	1	24	19.11	19.05	19.12										
5	8QAM	12	0	19.03	19.14	19.09										
5	8QAM	12	7	19.04	19.07	19.13										
5	8QAM	12	13	19.06	19.23	19.08										
5	8QAM	12	19	19.06	19.10	19.12										
5	256QAM	1	0	17.44	17.52	17.49	19	1.5								
5	256QAM	1	12	17.45	17.45	17.50										
5	256QAM	1	24	17.51	17.38	17.50										
5	256QAM	12	0	17.40	17.54	17.48										
5	256QAM	12	7	17.43	17.43	17.48										
5	256QAM	12	13	17.42	17.54	17.49										
5	256QAM	12	19	17.42	17.48	17.49			19	1.5						
5	256QAM	25	0	17.54	17.56	17.51										
Channel																
Frequency (MHz)																
3	QPSK	1	0	19.14	19.21	19.26	20.5	0								
3	QPSK	1	12	19.12	19.12	19.21										
3	QPSK	1	14	19.05	19.04	19.22										
3	QPSK	8	0	19.10	19.25	19.12										
3	QPSK	8	12	19.13	19.13	19.13										
3	QPSK	8	14	19.15	19.15	19.15										
3	QPSK	8	7	19.08	19.20	19.02										
3	QPSK	15	0	19.11	19.14	19.00			20.5	0						
3	QPSK	15	12	19.13	19.13	19.13										
3	16QAM	1	0	19.05	19.23	19.13										
3	16QAM	1	14	19.09	19.02	19.15										
3	16QAM	1	16	19.06	19.16	19.09										
3	16QAM	8	0	19.01	19.05	19.14										
3	16QAM	8	12	19.05	19.15	19.15										
3	16QAM	1	0	19.12	19.23	19.01	20.5	0								
3	16QAM	1	14	19.13	19.08	19.04										
3	16QAM	8	0	19.05	19.11	19.05										
3	16QAM	8	7	19.06	19.17	19.08										
3	16QAM	8	7	19.06	19.19	19.05										
3	16QAM	15	0	19.01	19.15	19.02										
3	16QAM	15	12	19.03	19.13	19.03										
3	16QAM	15	14	19.14	19.08	19.04			20.5	0						
3	16QAM	8	0	19.05	19.11	19.05										
3	16QAM	8	7	19.06	19.17	19.08										
3	16QAM	8	7	19.06	19.19	19.05										
3	16QAM	15	0	19.01	19.09	19.02										
3	16QAM	15	12	19.03	19.13	19.03										
3	16QAM	15	14	19.14	19.08	19.04										
3	256QAM	1	0	17.51	17.47	17.50	19	1.5								
3	256QAM	1	8	17.33	17.42	17.48										
3	256QAM	1	14	17.41	17.41	17.46										
3	256QAM	8	0	17.56	17.44	17.53										
3	256QAM	8	8	17.48	17.48	17.58										
3	256QAM	8	14	17.41	17.41	17.41										
3	256QAM	16	0	17.52	17.50	17.58										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	19.05	19.16	19.16			20.5	0						
1.4	QPSK	1	3	19.09	19.14	19.15										
1.4	QPSK	1	6	19.13	19.07	19.21										
1.4	QPSK	3	0	19.15	19.22	19.16										
1.4	QPSK	3	3	19.12	19.17	19.07										
1.4	QPSK	6	0	19.02	19.04	19.01	20.5	0								
1.4	16QAM	1	0	19.02	19.13	19.13										
1.4	16QAM	1	3	19.03	19.20	19.12										
1.4	16QAM	3	0	19.02	19.12	19.14										
1.4	16QAM	3	3	19.03	19.09	19.12										
1.4	16QAM	6	0	19.02	19.12	19.12										
1.4	8QAM	1	0	19.04	19.12	19.00			20.5	0						
1.4	8QAM	1	3	19.01	19.12	19.00										
1.4	8QAM	1	6	19.05	19.20	19.11										
1.4	8QAM	3	0	19.01	19.09	19.08										
1.4	8QAM	3	3	19.02	19.17	19.09										
1.4	8QAM	6	0	19.01	19.17	19.08										
1.4	8QAM	6	3	19.06	19.13	19.04										
1.4	256QAM	1	0	17.41	17.46	17.41	19	1.5								
1.4	256QAM	1	3	17.33	17.50	17.50										
1.4	256QAM	1	6	17.41	17.41	17.46										
1.4	256QAM	3	0	17.41	17.48	17.52										
1.4	256QAM	3	3	17.42	17.37											

Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Time-slot (dBm)	MPR (dB)
Channel				20850	21000	21350			
20	QPSK	1	0	20.10	20.17	20.17			
20	QPSK	1	49	20.20	20.19	20.24	21.5	0	
20	QPSK	1	99	20.14	20.22	20.22			
20	QPSK	50	0	20.20	20.12	20.12			
20	QPSK	50	24	20.14	20.25	20.22			
20	QPSK	50	49	20.20	20.12	20.12			
20	QPSK	100	0	20.14	20.25	20.17			
20	QPSK	1	0	20.13	20.09	20.15			
20	QPSK	1	49	20.13	20.09	20.15	21.5	0	
20	QPSK	1	99	20.11	20.14	20.14			
20	QPSK	50	0	20.11	20.17	20.11			
20	QPSK	50	24	20.13	20.17	20.17	21.5	0	
20	QPSK	50	49	20.17	20.17	20.12			
20	QPSK	100	0	20.06	20.18	20.06			
20	QPSK	1	0	20.07	20.17	20.17			
20	QPSK	1	49	20.16	20.16	20.14	21.5	0	
20	QPSK	1	99	20.07	20.10	20.12			
20	QPSK	50	24	19.81	19.72	19.66			
20	QPSK	50	49	19.76	19.67	19.72			
20	QPSK	100	0	19.78	19.78	19.78			
20	QPSK	1	0	19.79	19.79	19.78			
20	QPSK	1	49	19.78	19.78	19.78	21.5	0	
20	QPSK	1	99	19.70	19.71	19.72			
20	QPSK	50	0	19.79	19.79	19.73			
20	QPSK	50	24	19.73	19.73	19.73	21.5	0	
20	QPSK	50	49	19.73	19.73	19.73			
20	QPSK	100	0	19.74	19.74	19.73			
Frequency (MHz)				2607.5	2635	2662.5	Time-slot (dBm)	MPR (dB)	
15	QPSK	1	0	20.15	20.07	20.08	21.5	0	
15	QPSK	1	49	20.15	20.07	20.08			
15	QPSK	1	99	20.15	20.07	20.08			
15	QPSK	1	74	20.01	20.12	20.12	21.5	0	
15	QPSK	1	49	20.09	20.18	20.07			
15	QPSK	36	0	20.07	20.07	20.07			
15	QPSK	36	39	20.07	20.03	20.07	21.5	0	
15	QPSK	75	0	20.08	20.15	19.97			
15	QPSK	75	39	20.08	20.03	20.08			
15	QPSK	1	0	20.08	20.05	20.05	21.5	0	
15	QPSK	1	74	20.02	20.07	20.11			
15	QPSK	36	0	20.08	20.08	20.08			
15	QPSK	36	39	20.16	20.09	20.03	21.5	0	
15	QPSK	75	0	19.98	20.06	20.06			
15	QPSK	75	39	19.98	20.06	20.06	21.5	0	
15	QPSK	1	0	19.99	20.14	20.16			
15	QPSK	1	74	19.97	20.03	20.05	21.5	0	
15	QPSK	36	0	19.66	19.68	19.62			
15	QPSK	36	39	19.66	19.68	19.62	21.5	0.5	
15	QPSK	75	0	19.59	19.61	19.64			
15	QPSK	75	39	19.74	19.62	19.62			
15	QPSK	1	0	19.74	19.62	19.62			
15	QPSK	1	74	19.77	19.77	19.77	21.5	0	
15	QPSK	36	0	19.72	19.72	19.72			
15	QPSK	36	39	19.72	19.72	19.72			
15	QPSK	75	0	19.71	19.78	19.78	21.5	0	
15	QPSK	75	39	19.71	19.78	19.78			
Channel <th>20850</th> <th>21000</th> <th>21350</th> <th>Time-slot (dBm)</th> <th>MPR (dB)</th> <th></th>				20850	21000	21350	Time-slot (dBm)	MPR (dB)	
20	QPSK	1	0	20.13	20.20	20.17			
20	QPSK	1	26	20.13	20.11	20.12	21.5	0	
20	QPSK	1	49	19.94	20.11	20.07			
20	QPSK	1	74	20.08	20.12	20.12			
20	QPSK	25	12	20.07	20.06	20.06	21.5	0	
20	QPSK	25	26	20.08	20.04	19.99			
20	QPSK	25	49	20.11	20.11	20.11			
20	QPSK	1	0	20.11	19.99	20.11	21.5	0	
20	QPSK	1	26	20.08	20.08	20.08			
20	QPSK	1	49	20.04	19.99	20.11			
20	QPSK	25	0	20.01	20.11	20.07			
20	QPSK	25	26	20.03	20.03	20.03	21.5	0	
20	QPSK	25	49	20.03	20.14	20.05			
20	QPSK	50	0	20.00	20.14	20.00			
20	QPSK	50	26	20.03	20.14	20.00	21.5	0	
20	QPSK	50	49	20.01	20.04	20.00			
20	QPSK	100	0	20.03	20.03	20.03			
20	QPSK	1	26	19.84	19.92	19.81	21.5	0	
20	QPSK	1	49	19.81	19.87	19.82			
20	QPSK	50	26	19.88	19.81	19.81			
20	QPSK	50	49	19.78	19.84	19.81	21.5	0.5	
20	QPSK	100	0	19.72	19.74	19.74			
20	QPSK	1	0	19.72	19.74	19.74			
20	QPSK	1	26	19.78	19.78	19.78	21.5	0	
20	QPSK	1	49	19.78	19.78	19.78			
20	QPSK	50	26	19.79	19.71	19.71			
20	QPSK	50	49	19.78	19.78	19.78	21.5	0	
20	QPSK	100	0	19.78	19.78	19.78			
20	QPSK	25	12	19.78	19.67	19.62			
20	QPSK	25	26	19.88	19.81	19.81	21.5	0.5	
20	QPSK	50	26	19.78	19.78	19.78			
20	QPSK	50	49	19.72	19.72	19.72	21.5	0	
20	QPSK	100	0	19.72	19.74	19.74			
20	QPSK	1	0	19.72	19.74	19.74			
20	QPSK	1	26	19.78	19.78	19.78	21.5	0	
20	QPSK	1	49	19.78	19.78	19.78			
20	QPSK	50	26	19.79	19.71	19.71			
20	QPSK	50	49	19.78	19.78	19.78	21.5	0	
20	QPSK	100	0	19.78	19.78	19.78			
20	QPSK	25	12	19.73	19.75	19.75			
20	QPSK	25	26	19.73	19.75	19.75	21.5	0	
20	QPSK	50	26	19.73	19.75	19.75			
20	QPSK	50	49	19.73	19.75	19.75	21.5	0	
20	QPSK	100	0	19.73	19.75	19.75			
20	QPSK	1	0	19.73	19.75	19.75			
20	QPSK	1	26	19.78	19.78	19.78	21.5	0	
20	QPSK	1	49	19.78	19.78	19.78			
20	QPSK	50	26	19.78	19.78	19.78			
20	QPSK	50	49	19.78	19.78	19.78	21.5	0	
20	QPSK	100	0	19.78	19.78	19.78			
20	QPSK	25	12	19.78	19.74	19.74			
20	QPSK	25	26	19.78	19.74	19.74	21.5	0.5	
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19.74	19.74			
20	QPSK	1	26	19.78	19.74	19.74	21.5	0	
20	QPSK	1	49	19.78	19.74	19.74			
20	QPSK	50	26	19.78	19.74	19.74			
20	QPSK	50	49	19.78	19.74	19.74	21.5	0	
20	QPSK	100	0	19.78	19.74	19.74			
20	QPSK	1	0	19.78	19				

Band 7_Ant 9									
RF (MHz)	Modulation	RB Size	RF Offset	Power (dBm)	Ch. Freq (MHz)	Ch. Freq (MHz)	Ch. Freq (MHz)	Time-slot (dBm)	MPR (dB)
Channel				20660	21100	21350			
5	Frequency (MHz)			19.43	19.43	19.43	19.43		
20	QPSK	1	49	19.31	19.50	19.31	19.50	16.5	0
20	QPSK	1	99	19.29	19.41	19.29	19.41		
20	QPSK	1	149	19.32	19.42	19.32	19.42		
20	QPSK	56	24	19.42	19.48	19.40	19.48	16.5	0
20	QPSK	100	0	19.42	19.40	19.42	19.40		
20	QPSK	100	0	19.42	19.40	19.42	19.40		
20	HQAM	1	0	19.34	19.47	19.38	19.47		
20	HQAM	1	49	19.35	19.48	19.36	19.48	16.5	0
20	HQAM	1	99	19.33	19.43	19.38	19.43		
20	HQAM	56	0	19.41	19.51	19.41	19.51		
20	HQAM	56	49	19.41	19.49	19.43	19.49	16.5	0
20	HQAM	100	0	19.39	19.44	19.41	19.46		
20	HQAM	100	0	19.39	19.44	19.41	19.46		
20	HQAM	1	49	19.41	19.44	19.33	19.45	16.5	0
20	HQAM	1	99	19.38	19.40	19.40	19.42		
20	HQAM	56	24	19.28	19.52	19.38	19.50	16.5	0
20	HQAM	100	0	19.29	19.52	19.44	19.48		
20	HQAM	100	0	19.29	19.52	19.44	19.48		
20	SSBDM	1	0	19.29	19.47	19.44	19.48		
20	SSBDM	1	49	19.30	19.43	19.37	19.47	16.5	0
20	SSBDM	1	99	19.35	19.40	19.40	19.41		
20	SSBDM	56	0	19.29	19.43	19.38	19.43		
20	SSBDM	56	49	19.30	19.43	19.34	19.43		
20	SSBDM	100	0	19.30	19.52	19.43	19.52		
Frequency (MHz)				20675	21036	21622.5		Time-slot (dBm)	MPR (dB)
15	QPSK	1	0	19.37	19.47	19.37	19.47	16.5	0
15	QPSK	1	49	19.38	19.48	19.38	19.48		
15	QPSK	1	74	19.18	19.30	19.18	19.30		
15	QPSK	36	0	19.30	19.48	19.38	19.48	16.5	0
15	QPSK	36	49	19.34	19.34	19.34	19.34		
15	QPSK	36	99	19.27	19.29	19.27	19.29		
15	QPSK	75	0	19.19	19.43	19.33	19.43		
15	HQAM	1	0	19.38	19.43	19.38	19.43		
15	HQAM	1	37	19.36	19.44	19.44	19.41	16.5	0
15	HQAM	1	74	19.30	19.33	19.30	19.33		
15	HQAM	36	0	19.38	19.38	19.38	19.38		
15	HQAM	36	20	19.24	19.40	19.40	19.29	16.5	0
15	HQAM	36	49	19.33	19.33	19.33	19.33		
15	HQAM	75	0	19.20	19.33	19.20	19.33		
15	HQAM	1	0	19.28	19.36	19.37	19.37		
15	HQAM	1	37	19.23	19.32	19.23	19.32	16.5	0
15	HQAM	1	74	19.29	19.34	19.29	19.34		
15	HQAM	36	0	19.26	19.28	19.36	19.36		
15	HQAM	36	20	19.47	19.47	19.47	19.47	16.5	0
15	HQAM	36	49	19.24	19.20	19.33	19.33		
15	HQAM	75	0	19.31	19.40	19.37	19.40		
15	HQAM	75	0	19.31	19.40	19.37	19.40		
15	HQAM	1	37	19.37	19.28	19.25	19.28	16.5	0
15	SSBDM	1	74	19.28	19.30	19.28	19.30		
15	SSBDM	36	0	19.28	19.28	19.28	19.28		
15	SSBDM	36	20	19.19	19.37	19.25	19.37	16.5	0
15	SSBDM	36	49	19.32	19.39	19.28	19.39		
15	SSBDM	75	0	19.23	19.48	19.33	19.48		
Channel				20680	21100	21400		Time-slot (dBm)	MPR (dB)
10	QPSK	1	0	19.28	19.48	19.48	19.48		
10	QPSK	1	26	19.19	19.30	19.31	19.31	16.5	0
10	QPSK	1	49	19.25	19.35	19.35	19.22		
10	QPSK	1	75	19.26	19.42	19.40	19.42		
10	QPSK	25	12	19.37	19.38	19.40	19.38	16.5	0
10	QPSK	25	26	19.30	19.26	19.26	19.26		
10	HQAM	1	21	19.43	19.43	19.43	19.43	16.5	0
10	HQAM	1	0	19.28	19.35	19.27	19.35		
10	HQAM	1	26	19.35	19.35	19.35	19.35		
10	HQAM	1	49	19.32	19.35	19.35	19.29		
10	HQAM	25	0	19.32	19.40	19.34	19.38	16.5	0
10	HQAM	25	12	19.28	19.32	19.28	19.32		
10	HQAM	25	26	19.27	19.29	19.29	19.29		
10	HQAM	50	0	19.25	19.29	19.29	19.29		
10	HQAM	50	1	19.25	19.38	19.43	19.35	16.5	0
10	HQAM	1	49	19.21	19.36	19.34	19.34		
10	HQAM	25	0	19.25	19.32	19.25	19.32		
10	HQAM	25	12	19.26	19.31	19.31	19.28	16.5	0
10	SSBDM	1	0	19.24	19.36	19.30	19.36		
10	SSBDM	25	0	19.22	19.48	19.38	19.48		
10	SSBDM	50	0	19.26	19.38	19.38	19.38	16.5	0
10	SSBDM	1	49	19.25	19.35	19.35	19.28		
10	SSBDM	1	26	19.25	19.35	19.35	19.28		
10	SSBDM	25	0	19.18	19.39	19.20	19.39	16.5	0
10	SSBDM	25	12	19.27	19.37	19.27	19.37		
10	SSBDM	25	26	19.24	19.33	19.33	19.25	16.5	0
10	SSBDM	50	0	19.20	19.37	19.27	19.37		
Frequency (MHz)				20625.5	21035	21647.5		Time-slot (dBm)	MPR (dB)
5	QPSK	1	0	19.41	19.45	19.45	19.45		
5	QPSK	1	12	19.22	19.40	19.22	19.40	16.5	0
5	QPSK	1	24	19.23	19.41	19.23	19.41		
5	QPSK	12	0	19.32	19.47	19.42	19.42		
5	QPSK	12	12	19.24	19.34	19.24	19.34	16.5	0
5	QPSK	12	13	19.27	19.38	19.33	19.38		
5	QPSK	25	0	19.25	19.47	19.29	19.39		
5	QPSK	25	12	19.24	19.34	19.24	19.34	16.5	0
5	HQAM	1	12	19.31	19.34	19.34	19.34		
5	HQAM	1	24	19.19	19.33	19.24	19.33		
5	HQAM	12	0	19.37	19.38	19.38	19.38	16.5	0
5	HQAM	12	7	19.26	19.48	19.21	19.48		
5	HQAM	12	13	19.28	19.41	19.34	19.41		
5	HQAM	25	0	19.31	19.38	19.38	19.38		
5	HQAM	1	0	19.28	19.37	19.25	19.37	16.5	0
5	HQAM	1	12	19.28	19.36	19.28	19.36		
5	HQAM	1	24	19.21	19.47	19.23	19.47		
5	HQAM	12	0	19.24	19.38	19.27	19.38		
5	HQAM	12	13	19.28	19.43	19.28	19.43	16.5	0
5	HQAM	25	0	19.23	19.31	19.29	19.31		
5	HQAM	25	12	19.25	19.40	19.25	19.40		
5	SSBDM	1	12	19.27	19.38	19.28	19.38	16.5	0
5	SSBDM	1	24	19.23	19.32	19.23	19.32		
5	SSBDM	12	0	19.32	19.32	19.32	19.32		
5	SSBDM	12	7	19.20	19.37	19.24	19.37	16.5	0
5	SSBDM	12	13	19.21	19.49	19.26	19.49		
5	SSBDM	25	0	19.27	19.39	19.27	19.39		

Band 7_Ant 1										
BW (MHz)	Modulation	RB Size	PRB Offset	Power Flow Ch / Freq (MHz)	Power Flow Ch / Freq (MHz)	Power Flow Ch / Freq (MHz)	Turnup time (dB)	MPE (dB)		
Channel				20860	21100	21360				
Frequency (MHz)				21010	21150	21300				
5	QPSK	15	69	14.31	14.38	14.20	15.5	0		
20	QPSK	15	69	14.22	14.32	14.20				
5	QPSK	15	69	14.31	14.38	14.20	15.5	0		
20	QPSK	50	24	14.22	14.39	14.18				
5	QPSK	15	69	14.41	14.49	14.20	15.5	0		
20	QPSK	100	0	14.34	14.34	14.27				
20	HQAM	15	69	14.35	14.30	14.31				
5	HQAM	15	69	14.35	14.30	14.28	15.5	0		
20	HQAM	15	69	14.27	14.31	14.22				
20	HQAM	50	0	14.21	14.38	14.26				
20	HQAM	100	0	14.28	14.32	14.28	15.5			
20	HQAM	100	0	14.28	14.32	14.27				
5	HQAM	15	69	14.21	14.39	14.20	15.5	0		
20	HQAM	15	69	14.22	14.42	14.21				
20	HQAM	50	24	14.30	14.34	14.21				
20	HQAM	50	24	14.21	14.29	14.20				
20	HQAM	100	0	14.28	14.38	14.26				
20	HQAM	100	0	14.21	14.32	14.23				
20	ERSSIM	15	0	14.31	14.42	14.27				
20	ERSSIM	15	0	14.40	14.40	14.28				
20	ERSSIM	50	0	14.26	14.28	14.19				
20	ERSSIM	50	0	14.25	14.40	14.23				
20	ERSSIM	100	0	14.28	14.32	14.20				
20	ERSSIM	100	0	14.26	14.33	14.19				
20	ERSSIM	100	0	14.29	14.34	14.18	Turnup time (dB)	MPE (dB)		
Frequency (MHz)				20917 <th>20936<th>20952.5<th></th><th></th><th></th><th></th></th></th>	20936 <th>20952.5<th></th><th></th><th></th><th></th></th>	20952.5 <th></th> <th></th> <th></th> <th></th>				
5	QPSK	15	69	14.22	14.42	14.27	15.5	0		
20	QPSK	15	69	14.27	14.37	14.20				
5	QPSK	15	69	14.31	14.38	14.20	15.5	0		
20	QPSK	50	24	14.07	14.20	14.11				
5	QPSK	15	69	14.29	14.31	14.21	15.5	0		
20	QPSK	15	69	14.28	14.38	14.23				
5	QPSK	15	69	14.18	14.33	14.08	15.5	0		
20	QPSK	75	0	14.27	14.21	14.23				
5	HQAM	15	69	14.33	14.28	14.20	15.5	0		
15	HQAM	15	69	14.18	14.34	14.21	15.5	0		
15	HQAM	15	69	14.30	14.28	14.21				
15	HQAM	15	69	14.13	14.37	14.14				
15	HQAM	36	20	14.16	14.20	14.09				
15	HQAM	36	20	14.16	14.33	14.18				
15	HQAM	36	20	14.15	14.30	14.19				
15	HQAM	36	20	14.23	14.36	14.17				
15	HQAM	36	20	14.28	14.28	14.16	15.5	0		
15	HQAM	36	20	14.27	14.28	14.17				
15	HQAM	36	20	14.12	14.28	14.08				
15	HQAM	36	20	14.20	14.30	14.21	15.5	0		
15	HQAM	36	20	14.13	14.33	14.18				
15	HQAM	75	0	14.20	14.32	14.21				
15	HQAM	75	0	14.28	14.28	14.16	15.5	0		
15	HQAM	75	0	14.13	14.33	14.18				
15	HQAM	75	0	14.20	14.32	14.21				
15	HQAM	75	0	14.28	14.28	14.16	15.5	0		
15	HQAM	75	0	14.13	14.33	14.18				
15	ERSSIM	15	0	14.31	14.42	14.27				
15	ERSSIM	15	0	14.40	14.40	14.28				
15	ERSSIM	50	0	14.26	14.28	14.19				
15	ERSSIM	50	0	14.25	14.40	14.23				
15	ERSSIM	100	0	14.28	14.32	14.20				
15	ERSSIM	100	0	14.26	14.33	14.19	Turnup time (dB)	MPE (dB)		
Channel				20860	20936	21040				
Frequency (MHz)				20910	20936	21040				
5	QPSK	15	69	14.22	14.32	14.20	15.5	0		
20	QPSK	15	69	14.13	14.27	14.17				
5	QPSK	15	69	14.28	14.30	14.20	15.5	0		
20	QPSK	25	12	14.18	14.38	14.10				
20	QPSK	25	12	14.09	14.33	14.13				
20	QPSK	25	12	14.19	14.27	14.13				
20	HQAM	15	69	14.23	14.15	14.13				
5	HQAM	15	69	14.23	14.15	14.13	15.5	0		
15	HQAM	25	12	14.18	14.33	14.13				
15	HQAM	25	12	14.15	14.18	14.13				
15	HQAM	25	12	14.16	14.30	14.18				
15	HQAM	25	12	14.22	14.31	14.21	15.5	0		
15	HQAM	25	12	14.27	14.17	14.12				
15	HQAM	25	12	14.22	14.32	14.21				
15	HQAM	25	12	14.07	14.41	14.13				
15	HQAM	15	69	14.18	14.19	14.07				
15	HQAM	15	69	14.19	14.14	14.09				
15	HQAM	25	12	14.22	14.38	14.20				
15	HQAM	25	12	14.30	14.26	14.14				
15	HQAM	25	12	14.19	14.24	14.20	15.5	0		
20	ERSSIM	15	0	14.20	14.41	14.10				
20	ERSSIM	15	0	14.28	14.38	14.10	15.5	0		
20	ERSSIM	25	0	14.24	14.23	14.16				
20	ERSSIM	25	0	14.15	14.30	14.18				
20	ERSSIM	25	0	14.19	14.34	14.20				
20	ERSSIM	25	0	14.26	14.26	14.18	15.5	0		
20	ERSSIM	25	0	14.16	14.18	14.07				
20	ERSSIM	50	0	14.16	14.31	14.14	Turnup time (dB)	MPE (dB)		
Frequency (MHz)				20915 <th>20936<th>20957.5<th></th><th></th><th></th><th></th></th></th>	20936 <th>20957.5<th></th><th></th><th></th><th></th></th>	20957.5 <th></th> <th></th> <th></th> <th></th>				
5	QPSK	15	69	14.32	14.30	14.27	15.5	0		
20	QPSK	15	69	14.27	14.33	14.26				
5	QPSK	15	69	14.31	14.38	14.20	15.5	0		
20	QPSK	12	0	14.20	14.38	14.28				
5	QPSK	15	69	14.31	14.38	14.20	15.5	0		
20	QPSK	12	13	14.16	14.29	14.13				
5	QPSK	25	0	14.33	14.34	14.15	15.5	0		
5	HQAM	15	69	14.34	14.24	14.22				
5	HQAM	12	12	14.21	14.29	14.17				
5	HQAM	15	24	14.23	14.16	14.14				
5	HQAM	15	24	14.19	14.31	14.22				
5	HQAM	12	7	14.09	14.32	14.20				
5	HQAM	12	13	14.28	14.29	14.12				
5	HQAM	15	0	14.30	14.36	14.20	15.5	0		
5	HQAM	15	0	14.36	14.36	14.20				
5	HQAM	24	18	14.28	14.25	14.18				
5	HQAM	12	0	14.20	14.17	14.24				
5	HQAM	12	13	14.27	14.27	14.21				
5	HQAM	12	13	14.16	14.25	14.16	15.5	0		
5	HQAM	25	0	14.10	14.31	14.23				
5	HQAM	25	0	14.20	14.28	14.20				
5	ERSSIM	12	12	14.09	14.28	14.20				
5	ERSSIM	15	24	14.18	14.26	14.19				
5	ERSSIM	15	24	14.21	14.25	14.13				
5	ERSSIM	12	7	14.16	14.26	14.19				
5	ERSSIM	12	7	14.20	14.26	14.16				
5	ERSSIM	12	7	14.27	14.27	14.20	15.5	0		

Band 12_Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power (mW) Ch. 1/Freq. (MHz)	Power (mW) Ch. 2/Freq. (MHz)	Power (mW) Ch. 3/Freq. (MHz)	Turn-on time (ms)	MPE (dB)		
Channel										
2300.0 2309.0 2310.0										
Frequency (MHz)										
10 QPSK	1	6	21.45	21.45	21.52	21.51				
10 QPSK	1	26	22.43	22.43	22.32	22.42	24	0		
10 QPSK	1	49	22.43	22.43	22.42	22.42				
10 QPSK	26	12	21.28	21.28	21.30	21.29	23	1		
10 QPSK	26	26	21.37	21.38	21.37	21.37				
10 QPSK	26	49	21.37	21.37	21.36	21.36	23	1		
10 QPSK	1	6	21.34	21.40	21.42	21.42				
10 QPSK	1	26	21.37	21.38	21.37	21.37	23	1		
10 QPSK	1	49	21.37	21.38	21.38	21.38				
10 QPSK	26	0	20.41	20.21	20.28	20.28				
10 QPSK	26	12	20.38	20.38	20.39	20.39	22			
10 QPSK	26	26	20.33	20.29	20.29	20.29				
10 QPSK	1	6	20.30	20.23	20.31	20.31	22			
10 QPSK	1	26	20.32	20.27	20.34	20.34				
10 QPSK	1	49	20.36	20.36	20.31	20.31				
10 QPSK	26	0	19.31	19.31	19.31	19.31	21	3		
10 QPSK	26	12	19.29	19.29	19.29	19.29				
10 QPSK	26	26	19.34	19.22	19.32	19.32				
10 QPSK	26	49	19.34	19.25	19.37	19.37				
10 QPSK	1	6	17.03	17.14	17.22	17.22	19	5		
10 QPSK	1	26	17.03	17.03	17.03	17.03				
10 QPSK	1	49	17.11	17.13	17.17	17.17				
10 QPSK	26	0	17.12	17.02	17.07	17.07	19	5		
10 QPSK	26	12	17.13	17.12	17.12	17.12				
10 QPSK	26	26	17.13	17.12	17.12	17.12				
10 QPSK	26	49	17.11	17.16	17.09	17.09	19	5		
Turn-on time (ms) MPE (dB)										
2300.0 2309.0 2310.0										
Frequency (MHz)										
5 QPSK	1	6	22.31	22.48	22.48	22.48	24	0		
5 QPSK	1	26	22.42	22.42	22.42	22.42				
5 QPSK	1	49	22.38	22.29	22.33	22.33				
5 QPSK	12	6	21.27	21.33	21.25	21.25	23	1		
5 QPSK	12	26	21.27	21.27	21.27	21.27				
5 QPSK	12	49	21.31	21.31	21.31	21.31				
5 QPSK	26	0	21.17	21.21	21.34	21.34	23	1		
5 QPSK	26	12	21.17	21.21	21.34	21.34				
5 QPSK	26	26	21.18	21.48	21.15	21.15	23	1		
5 QPSK	26	49	21.40	21.48	21.35	21.35				
5 QPSK	12	6	20.17	20.17	20.17	20.17	22	2		
5 QPSK	12	7	20.17	20.19	20.15	20.15				
5 QPSK	12	13	20.31	20.31	20.27	20.27				
5 QPSK	12	26	20.31	20.31	20.31	20.31	22	2		
5 QPSK	1	6	20.46	20.29	20.20	20.20				
5 QPSK	1	26	20.46	20.29	20.20	20.20	22	2		
5 QPSK	1	49	20.52	20.37	20.25	20.25				
5 QPSK	12	6	19.18	19.21	19.29	19.29				
5 QPSK	12	26	19.22	19.22	19.22	19.22	21	3		
5 QPSK	12	49	19.30	19.23	19.37	19.37				
5 QPSK	26	0	19.19	19.23	19.15	19.15				
5 QPSK	26	12	19.20	19.20	19.20	19.20	21	3		
5 QPSK	26	26	19.19	19.23	19.15	19.15				
5 QPSK	26	49	19.25	19.27	19.27	19.27				
5 QPSK	1	6	17.07	17.17	17.11	17.11	19	5		
5 QPSK	1	26	17.07	17.07	17.07	17.07				
5 QPSK	1	49	17.17	17.18	17.17	17.17				
5 QPSK	26	0	17.18	17.08	17.14	17.14	19	5		
5 QPSK	26	12	17.19	17.19	17.19	17.19				
5 QPSK	26	26	17.19	17.08	17.14	17.14				
5 QPSK	26	49	17.17	17.15	17.15	17.15	19	5		
5 QPSK	26	0	17.12	17.19	17.22	17.22				
5 QPSK	26	12	17.12	17.19	17.22	17.22				
5 QPSK	26	26	17.12	17.19	17.22	17.22				
5 QPSK	26	49	17.12	17.19	17.22	17.22				
Turn-on time (ms) MPE (dB)										
2300.0 2309.0 2310.0										
Frequency (MHz)										
1.4 QPSK	1	6	22.32	22.32	22.44	22.44				
1.4 QPSK	1	26	22.38	22.29	22.33	22.33	24	0		
1.4 QPSK	1	49	22.31	22.31	22.33	22.33				
1.4 QPSK	5	6	22.30	22.38	22.45	22.45				
1.4 QPSK	5	26	22.32	22.32	22.32	22.32				
1.4 QPSK	5	49	22.38	22.38	22.35	22.35				
1.4 QPSK	6	6	21.30	21.31	21.25	21.25	23	1		
1.4 QPSK	6	26	21.27	21.27	21.27	21.27				
1.4 QPSK	6	49	21.65	21.34	21.29	21.29				
1.4 QPSK	1	6	21.47	21.30	21.21	21.21				
1.4 QPSK	1	26	21.43	21.31	21.23	21.23	22	1		
1.4 QPSK	1	49	21.43	21.31	21.23	21.23				
1.4 QPSK	6	6	20.29	20.14	20.15	20.15	22	2		
1.4 QPSK	6	26	20.27	20.16	20.20	20.20				
1.4 QPSK	6	49	20.27	20.16	20.20	20.20				
1.4 QPSK	1	6	20.36	20.36	20.32	20.32	21	3		
1.4 QPSK	1	26	20.36	20.36	20.32	20.32				
1.4 QPSK	1	49	20.33	20.34	20.35	20.35				
1.4 QPSK	6	6	20.12	20.12	20.12	20.12	22	2		
1.4 QPSK	6	26	20.51	20.27	20.15	20.15				
1.4 QPSK	6	49	19.29	19.18	19.14	19.14	21	3		
1.4 QPSK	1	6	17.12	17.12	17.12	17.12				
1.4 QPSK	1	26	17.12	17.12	17.12	17.12				
1.4 QPSK	1	49	17.12	17.12	17.12	17.12				
1.4 QPSK	6	6	17.12	17.12	17.12	17.12	19	5		
1.4 QPSK	6	26	17.12	17.12	17.12	17.12				
1.4 QPSK	6	49	17.12	17.12	17.12	17.12				
1.4 QPSK	1	6	17.11	17.12	17.21	17.21				
1.4 QPSK	1	26	17.12	17.22	17.22	17.22				
1.4 QPSK	1	49	17.12	17.22	17.22	17.22				
1.4 QPSK	6	6	17.12	17.22	17.22	17.22	19	5		
1.4 QPSK	6	26	17.12	17.22	17.22	17.22				
1.4 QPSK	6	49	17.12	17.22	17.22	17.22				
1.4 QPSK	1	6	17.12	17.22	17.22	17.22	19	5		

Band 12_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup time (min)	MPR (dB)				
Channel												
Frequency (MHz)												
				2000.5	2009.5	2110.5						
10	QPSK	1	0	22.29	22.29	22.32	24	0				
10	QPSK	1	25	22.29	22.30	22.30						
10	QPSK	1	49	22.29	22.27	22.31						
10	QPSK	25	0	21.24	21.28	21.15						
10	QPSK	25	12	21.28	21.25	21.19						
10	QPSK	50	0	21.18	21.25	21.19	23	1				
10	HQAM	1	0	21.23	21.28	21.20						
10	HQAM	1	25	21.29	21.24	21.22						
10	HQAM	1	49	21.33	21.20	21.19						
10	HQAM	25	0	20.97	20.22	20.18						
10	HQAM	25	12	20.23	20.22	20.19	22	2				
10	HQAM	25	25	20.22	20.19	20.13						
10	HQAM	50	0	20.51	20.23	20.14						
10	HQAM	1	0	20.50	20.20	20.39						
10	HQAM	1	25	20.27	20.25	20.40						
10	HQAM	1	49	20.25	20.21	20.38	21	3				
10	HQAM	25	0	19.67	19.23	19.13						
10	HQAM	25	12	19.21	19.20	19.15						
10	HQAM	25	25	19.20	19.21	19.06						
10	HQAM	50	0	19.19	19.22	19.14						
10	SSBQAM	1	0	17.12	17.15	17.20	19	5				
10	SSBQAM	1	25	17.26	17.31	17.11						
10	SSBQAM	1	49	17.24	17.18	17.13						
10	SSBQAM	25	0	17.26	17.27	17.22						
10	SSBQAM	25	12	17.11	17.18	17.12						
10	SSBQAM	25	25	17.21	17.28	17.10	19	5				
10	SSBQAM	50	0	17.18	17.31	17.12						
Channel												
Frequency (MHz)												
				2000.5	2009.5	2110.5	Turnup time (min)		MPR (dB)			
				2000.5	2009.5	2110.5						
3	QPSK	1	0	22.29	22.29	22.32	24	0				
3	QPSK	1	12	22.16	22.11	22.22						
3	QPSK	1	24	22.15	22.15	22.07						
3	QPSK	12	0	21.14	21.28	21.14						
3	QPSK	12	7	21.06	21.16	21.09						
3	QPSK	12	13	21.05	21.16	21.11	23	1				
3	QPSK	25	0	21.18	21.21	21.11						
3	HQAM	1	0	21.11	21.14	21.19						
3	HQAM	1	12	21.05	21.14	21.11						
3	HQAM	1	24	21.12	21.04	21.11						
3	HQAM	12	0	20.14	20.00	20.19	22	2				
3	HQAM	12	7	20.18	20.14	20.05						
3	HQAM	12	13	20.08	20.00	20.03						
3	HQAM	25	0	20.18	20.08	20.05						
3	HQAM	1	0	20.18	20.08	20.05						
3	HQAM	1	12	20.08	20.18	20.05	22	2				
3	HQAM	1	19	19.18	19.04	19.15						
3	HQAM	1	24	19.09	19.18	19.05						
3	SSBQAM	1	0	17.23	17.21	17.21						
3	SSBQAM	12	7	17.23	17.17	17.21						
3	SSBQAM	12	13	17.15	17.12	17.21	19	5				
3	SSBQAM	25	0	17.18	17.18	17.19						
3	SSBQAM	25	12	17.12	17.12	17.12						
Channel												
Frequency (MHz)												
				2000.5	2009.5	2110.5	Turnup time (min)	MPR (dB)				
				2000.5	2009.5	2110.5						
3	QPSK	1	0	22.34	22.29	22.23	24	0				
3	QPSK	1	8	22.11	22.16	22.21						
3	QPSK	1	14	22.12	22.18	22.22						
3	QPSK	8	0	21.25	21.19	21.15						
3	QPSK	8	4	21.23	21.22	21.18						
3	QPSK	8	7	21.09	21.09	21.13	23	1				
3	HQAM	1	0	21.13	21.14	21.24						
3	HQAM	1	8	21.12	21.16	21.22						
3	HQAM	1	8	21.12	21.21	21.22						
3	HQAM	14	0	21.07	21.02	21.13						
3	HQAM	8	0	20.11	20.01	20.01	22	2				
3	HQAM	8	4	20.04	20.08	20.05						
3	HQAM	8	7	20.17	20.16	20.10						
3	HQAM	16	0	20.21	20.20	20.03						
3	HQAM	1	0	20.05	20.09	20.15						
3	HQAM	1	8	20.18	20.17	20.17	22	2				
3	HQAM	1	14	20.19	20.05	20.05						
3	HQAM	8	0	19.17	19.20	19.20						
3	HQAM	8	4	19.09	19.13	19.04						
3	HQAM	8	7	19.10	19.07	19.15						
3	SSBQAM	1	0	17.21	17.25	17.26	19	5				
3	SSBQAM	1	8	17.13	17.30	17.23						
3	SSBQAM	14	0	17.11	17.14	17.15						
3	SSBQAM	8	0	17.20	17.19	17.10						
3	SSBQAM	8	4	17.21	17.26	17.25						
3	SSBQAM	8	7	17.15	17.25	17.27	19	5				
3	SSBQAM	16	0	17.19	17.21	17.27						
Channel												
Frequency (MHz)												
				2001.7	2009.5	2112.3	Turnup time (min)		MPR (dB)			
				2001.7	2009.5	2112.3						
1.4	QPSK	1	0	22.34	22.29	22.31	24	0				
1.4	QPSK	1	3	22.22	22.27	22.17						
1.4	QPSK	1	5	22.25	22.10	22.14						
1.4	QPSK	3	0	22.30	22.19	22.33						
1.4	QPSK	3	1	22.28	22.26	22.25						
1.4	QPSK	3	3	22.08	22.24	22.07	23	1				
1.4	QPSK	6	0	21.14	21.09	21.06						
1.4	HQAM	1	0	21.17	21.19	21.24						
1.4	HQAM	1	3	21.23	21.09	21.08						
1.4	HQAM	1	5	21.08	21.02	21.14						
1.4	HQAM	1	0	21.21	21.13	21.15	22	2				
1.4	HQAM	3	1	21.20	21.21	21.15						
1.4	HQAM	3	3	21.14	21.10	21.15						
1.4	HQAM	6	0	20.00	20.20	20.10						
1.4	HQAM	1	0	20.00	20.09	20.04						
1.4	HQAM	1	3	20.18	20.16	20.18	22	2				
1.4	HQAM	1	5	20.17	20.08	20.17						
1.4	HQAM	3	0	20.12	20.03	20.12						
1.4	HQAM	3	1	20.00	20.08	20.19						
1.4	HQAM	3	3	20.15	20.14	20.14						
1.4	HQAM	6	0	19.10	19.02	19.20	21	3				
1.4	SSBQAM	1	0	17.18	17.21	17.25						
1.4	SSBQAM	1	3	17.20	17.24	17.24						
1.4	SSBQAM	1	5	17.00	17.13	17.25						
1.4	SSBQAM	3	0	17.18	17.12	17.23						
1.4	SSBQAM	3	1	17.19	17.14	17.24	19	5				
1.4	SSBQAM	3	3	17.17	17.28	17.21						

Band 13_Ant 0											
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				23205							
Frequency (MHz)											
10	QPSK	1	0	22.46	22.46	22.46	24	0			
10	QPSK	1	25	22.26	22.26	22.26					
10	QPSK	1	49	22.31	22.31	22.31					
10	QPSK	25	0	21.38	21.38	21.38					
10	QPSK	25	12	21.25	21.25	21.25					
10	QPSK	50	0	21.23	21.23	21.23	23	1			
10	HQAM	1	0	21.20	21.20	21.20					
10	HQAM	1	25	21.08	21.08	21.08					
10	HQAM	1	49	21.24	21.24	21.24					
10	HQAM	25	0	20.22	20.22	20.22					
10	HQAM	25	12	20.25	20.25	20.25	22	2			
10	HQAM	25	25	20.25	20.25	20.18					
10	HQAM	50	0	20.18	20.18	20.18					
10	HQAM	1	0	20.38	20.38	20.38					
10	HQAM	1	25	20.12	20.12	20.12					
10	HQAM	1	49	20.25	20.25	20.25	21	3			
10	HQAM	25	0	19.23	19.23	19.23					
10	HQAM	25	12	19.17	19.17	19.17					
10	HQAM	25	25	19.26	19.26	19.26					
10	HQAM	50	0	19.19	19.19	19.19	19	5			
10	HQAM	1	0	17.12	17.12	17.12					
10	HQAM	1	25	17.19	17.19	17.19					
10	HQAM	1	49	17.31	17.31	17.31					
10	HQAM	25	0	17.22	17.22	17.22					
10	HQAM	25	12	17.17	17.17	17.17	18	5			
10	HQAM	25	25	17.26	17.26	17.26					
10	HQAM	50	0	17.21	17.21	17.21					
Channel				23205 <th></th> <th colspan="2"></th>							
Frequency (MHz)				17.13 <th></th> <th colspan="2"></th>							
5	QPSK	1	0	22.28	22.28	22.28	24	0			
5	QPSK	1	12	22.34	22.32	22.21					
5	QPSK	1	24	22.31	22.29	22.29					
5	QPSK	12	0	21.11	21.10	21.10					
5	QPSK	12	13	21.16	21.13	21.13					
5	QPSK	25	0	21.13	21.11	21.10	23	1			
5	QPSK	25	0	21.13	21.11	21.11					
5	HQAM	1	0	21.02	21.01	21.00					
5	HQAM	1	12	21.05	21.00	21.00					
5	HQAM	1	24	21.01	21.04	21.10					
5	HQAM	12	0	20.12	20.04	20.00	22	2			
5	HQAM	12	7	20.15	20.05	20.00					
5	HQAM	12	13	20.08	20.00	20.13					
5	HQAM	25	0	20.05	20.00	20.13					
5	HQAM	1	0	20.31	20.18	20.18					
5	HQAM	1	12	20.12	20.01	20.20	22	2			
5	HQAM	1	24	20.31	20.21	20.21					
5	HQAM	12	0	19.04	19.10	19.10					
5	HQAM	12	7	19.10	19.00	19.00					
5	HQAM	12	13	19.25	19.21	19.19					
5	HQAM	25	0	19.13	19.08	19.07	21	3			
5	HQAM	25	0	19.13	19.08	19.08					
5	HQAM	25	12	17.24	17.12	17.22					
5	HQAM	25	13	17.25	17.20	17.20					
5	HQAM	12	7	17.25	17.20	17.18					
5	HQAM	12	13	17.10	17.31	17.18	19	5			
5	HQAM	1	0	17.18	17.15	17.20					
5	HQAM	1	12	17.15	17.15	17.15					
5	HQAM	1	24	17.30	17.30	17.30					
5	HQAM	12	7	17.25	17.20	17.20					



Band 14_Ant 1												
BW (MHz)	Modulation	RB Rate	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up Time (sec)	MPE (dB)	Ch Data +15.1	Ch Data +15.2	Ch Data +15.3	Ch Data +15.4
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.04	19.04	19.04	21	0	0.46	21.00		
10	QPSK	1	25	19.16	19.16	19.16				21.00		
10	QPSK	1	49	19.28	19.28	19.28				21.00		
10	QPSK	25	0	19.61	19.61	19.61				21.00		
10	QPSK	25	10	19.61	19.61	19.61				21.00		
10	QPSK	25	25	19.61	19.61	19.61	21	0	0.39	21.00		
10	QPSK	50	0	19.62	19.62	19.62				21.00		
10	QPSK	50	10	19.62	19.62	19.62				21.00		
10	QPSK	1	25	19.64	19.64	19.64				21.00		
10	QPSK	1	49	19.64	19.64	19.64				21.00		
10	QPSK	25	0	19.64	19.64	19.64				21.00		
10	QPSK	25	10	19.64	19.64	19.64				21.00		
10	QPSK	25	25	19.64	19.64	19.64	21	0	0.08	21.00		
10	QPSK	50	0	19.64	19.64	19.64				21.00		
10	QPSK	50	10	19.64	19.64	19.64				21.00		
10	QPSK	1	0	19.66	19.66	19.66				21.00		
10	QPSK	1	25	19.66	19.66	19.66				21.00		
10	QPSK	1	49	19.66	19.66	19.66				21.00		
10	QPSK	25	0	19.66	19.66	19.66				21.00		
10	QPSK	25	10	19.66	19.66	19.66				21.00		
10	QPSK	25	25	19.66	19.66	19.66	21	0	0.09	21.00		
10	QPSK	50	0	19.66	19.66	19.66				21.00		
10	QPSK	50	10	19.66	19.66	19.66				21.00		
10	QPSK	1	0	19.68	19.68	19.68				21.00		
10	QPSK	1	25	19.68	19.68	19.68				21.00		
10	QPSK	1	49	19.68	19.68	19.68				21.00		
10	QPSK	25	0	19.68	19.68	19.68				21.00		
10	QPSK	25	10	19.68	19.68	19.68				21.00		
10	QPSK	25	25	19.68	19.68	19.68	21	0	0.10	21.00		
10	QPSK	50	0	19.68	19.68	19.68				21.00		
10	QPSK	50	10	19.68	19.68	19.68				21.00		
10	QPSK	1	0	19.70	19.70	19.70				21.00		
10	QPSK	1	25	19.70	19.70	19.70				21.00		
10	QPSK	1	49	19.70	19.70	19.70				21.00		
10	QPSK	25	0	19.70	19.70	19.70				21.00		
10	QPSK	25	10	19.70	19.70	19.70				21.00		
10	QPSK	25	25	19.70	19.70	19.70	21	0	0.04	21.00		
10	QPSK	50	0	19.70	19.70	19.70				21.00		
10	QPSK	50	10	19.70	19.70	19.70				21.00		
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.90	19.90	19.90	21	0	0.27	21.00		
5	QPSK	1	12	19.90	19.90	19.90				21.00		
5	QPSK	1	24	19.90	19.90	19.90				21.00		
5	QPSK	12	0	19.90	19.90	19.90				21.00		
5	QPSK	12	7	19.91	19.91	19.91				21.00		
5	QPSK	12	13	19.91	19.91	19.91				21.00		
5	QPSK	25	0	19.91	19.91	19.91				21.00		
5	QPSK	25	10	19.91	19.91	19.91				21.00		
5	QPSK	25	25	19.91	19.91	19.91	21	0	0.18	21.00		
5	QPSK	50	0	19.91	19.91	19.91				21.00		
5	QPSK	50	10	19.91	19.91	19.91				21.00		
5	QPSK	1	0	19.92	19.92	19.92				21.00		
5	QPSK	1	12	19.92	19.92	19.92				21.00		
5	QPSK	1	24	19.92	19.92	19.92				21.00		
5	QPSK	12	0	19.92	19.92	19.92				21.00		
5	QPSK	12	7	19.92	19.92	19.92				21.00		
5	QPSK	12	13	19.92	19.92	19.92				21.00		
5	QPSK	25	0	19.92	19.92	19.92				21.00		
5	QPSK	25	10	19.92	19.92	19.92				21.00		
5	QPSK	25	25	19.92	19.92	19.92	21	0	0.15	21.00		
5	QPSK	50	0	19.92	19.92	19.92				21.00		
5	QPSK	50	10	19.92	19.92	19.92				21.00		
5	QPSK	1	0	19.93	19.93	19.93				21.00		
5	QPSK	1	12	19.93	19.93	19.93				21.00		
5	QPSK	1	24	19.93	19.93	19.93				21.00		
5	QPSK	12	0	19.93	19.93	19.93				21.00		
5	QPSK	12	7	19.93	19.93	19.93				21.00		
5	QPSK	12	13	19.93	19.93	19.93				21.00		
5	QPSK	25	0	19.93	19.93	19.93				21.00		
5	QPSK	25	10	19.93	19.93	19.93				21.00		
5	QPSK	25	25	19.93	19.93	19.93	21	0	0.22	21.00		
5	QPSK	50	0	19.93	19.93	19.93				21.00		
5	QPSK	50	10	19.93	19.93	19.93				21.00		
5	QPSK	1	0	19.94	19.94	19.94				21.00		
5	QPSK	1	12	19.94	19.94	19.94				21.00		
5	QPSK	1	24	19.94	19.94	19.94				21.00		
5	QPSK	12	0	19.94	19.94	19.94				21.00		
5	QPSK	12	7	19.94	19.94	19.94				21.00		
5	QPSK	12	13	19.94	19.94	19.94				21.00		
5	QPSK	25	0	19.94	19.94	19.94				21.00		
5	QPSK	25	10	19.94	19.94	19.94				21.00		
5	QPSK	25	25	19.94	19.94	19.94	21	0	0.13	21.00		
5	QPSK	50	0	19.94	19.94	19.94				21.00		
5	QPSK	50	10	19.94	19.94	19.94				21.00		
5	QPSK	1	0	19.95	19.95	19.95				21.00		
5	QPSK	1	12	19.95	19.95	19.95				21.00		
5	QPSK	1	24	19.95	19.95	19.95				21.00		
5	QPSK	12	0	19.95	19.95	19.95				21.00		
5	QPSK	12	7	19.95	19.95	19.95				21.00		
5	QPSK	12	13	19.95	19.95	19.95				21.00		
5	QPSK	25	0	19.95	19.95	19.95				21.00		
5	QPSK	25	10	19.95	19.95	19.95				21.00		
5	QPSK	25	25	19.95	19.95	19.95	21	0	0.09	21.00		
5	QPSK	50	0	19.95	19.95	19.95				21.00		
5	QPSK	50	10	19.95	19.95	19.95				21.00		
5	QPSK	1	0	19.96	19.96	19.96				21.00		
5	QPSK	1	12	19.96	19.96	19.96				21.00		
5	QPSK	1	24	19.96	19.96	19.96				21.00		
5	QPSK	12	0	19.96	19.96	19.96				21.00		
5	QPSK	12	7	19.96	19.96	19.96				21.00		
5	QPSK	12	13	19.96	19.96	19.96				21.00		
5	QPSK	25	0	19.96	19.96	19.96				21.00		
5	QPSK	25	10	19.96	19.96	19.96				21.00		
5	QPSK	25	25	19.96	19.96	19.96	21	0	0.04	21.00		
5	QPSK	50	0	19.96	19.96	19.96				21.00		
5	QPSK	50	10	19.96	19.96	19.96				21.00		
5	QPSK	1	0	19.97	19.97	19.97				21.00		
5	QPSK	1	12	19.97	19.97	19.97				21.00		
5	QPSK	1	24	19.97	19.97	19.97				21.00		
5	QPSK	12	0	19.97	19.97	19.97				21.00		
5	QPSK	12	7	19.97	19.97	19.97				21.00		
5	QPSK	12	13	19.97	19.97	19.97				21.00		
5	QPSK	25	0	19.97	19.97	19.97				21.00		
5	QPSK	25	10	19.97	19.97	19.97				21.00		
5	QPSK	25	25	19.97	19.97	19.97	21	0	0.04	21.00		
5	QPSK	50	0	19.97	19.97	19.97				21.00		
5	QPSK	50	10	19.97	19.97	19.97				21.00		
5	QPSK	1	0	19.98	19.98	19.98				21.00		
5	QPSK	1	12	19.98	19.98	19.98				21.00		
5	QPSK	1	24	19.98	19.98	19.98				21.00		
5	QPSK	12	0	19.98	19.98	19.98				21.00		
5	QPSK	12	7	19.98	19.98	19.98				21.00		
5	QPSK	12	13	19.98	19.98	19.98				21.00		
5	QPSK	25	0	19.98	19.98	19.98				21.00		
5	QPSK	25	10	19.98	19.98	19.98				21.00		
5	QPSK	25	25	19.98	19.98	19.98	21	0	0.04	21.00		
5	QPSK	50	0	19.98	19.98	19.98				21.00		
5	QPSK	50	10	19.98	19.98	19.98				21.00		
5	QPSK	1	0	19.99	19.99	19.99				21.00		
5	QPSK	1	12	19.99	19.99	19.99				21.00		
5	QPSK	1	24	19.99	19.99	19.99				21.00		
5	QPSK	12	0	19.99	19.99	19.99				21.00		
5	QPSK	12										

Band 25_Ant 9													
Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Band (dB)	MPR (dB)						
Channel 26160 26360 26560													
Frequency (MHz)													
QPSK	1	0	17.49	17.05	17.05	19	0						
QPSK	1	49	17.44	17.46	17.36								
QPSK	1	99	17.39	17.51	17.43								
QPSK	50	0	17.47	17.49	17.45	19	0						
QPSK	50	24	17.35	17.41	17.46								
QPSK	50	50	17.35	17.43	17.48								
16QAM	1	0	17.37	17.52	17.45	19	0						
16QAM	1	49	17.39	17.43	17.41								
16QAM	1	99	17.39	17.41	17.47								
16QAM	50	0	17.48	17.49	17.41	19	0						
16QAM	50	24	17.42	17.54	17.48								
16QAM	50	50	17.43	17.46	17.45								
16QAM	100	0	17.42	17.43	17.43	19	0						
84QAM	1	0	17.42	17.43	17.39								
84QAM	1	49	17.47	17.54	17.49								
84QAM	1	99	17.35	17.52	17.42	19	0						
84QAM	50	0	17.37	17.54	17.48								
84QAM	50	24	17.43	17.42	17.40								
84QAM	50	50	17.35	17.51	17.38	19	0						
84QAM	100	0	17.47	17.43	17.46								
256QAM	1	0	17.38	17.47	17.40								
256QAM	1	49	17.39	17.52	17.46	19	0						
256QAM	1	99	17.44	17.50	17.42								
256QAM	50	0	17.37	17.43	17.38								
256QAM	50	24	17.39	17.51	17.35	19	0						
256QAM	50	50	17.44	17.44	17.35								
Channel 26115 26140 26615													
Frequency (MHz)													
QPSK	1	0	17.41	17.49	17.41	19	0						
QPSK	1	37	17.39	17.36	17.27								
QPSK	1	74	17.28	17.36	17.40								
QPSK	36	0	17.42	17.34	17.34	19	0						
QPSK	36	20	17.32	17.28	17.33								
QPSK	36	36	17.34	17.39	17.45								
QPSK	75	0	17.29	17.43	17.44	19	0						
16QAM	1	0	17.31	17.42	17.37								
16QAM	1	37	17.31	17.33	17.31								
16QAM	1	74	17.31	17.29	17.35	19	0						
16QAM	36	0	17.42	17.48	17.31								
16QAM	36	20	17.35	17.33	17.45								
16QAM	36	36	17.37	17.34	17.31	19	0						
16QAM	75	0	17.28	17.38	17.36								
84QAM	1	0	17.32	17.33	17.29	19	0						
84QAM	1	37	17.36	17.41	17.43								
84QAM	1	74	17.35	17.42	17.35								
84QAM	36	0	17.35	17.45	17.40	19	0						
84QAM	36	20	17.33	17.41	17.29								
84QAM	36	36	17.27	17.32	17.36								
84QAM	75	0	17.58	17.38	17.41	19	0						
256QAM	1	0	17.29	17.44	17.35								
256QAM	1	37	17.32	17.55	17.41								
256QAM	1	74	17.41	17.45	17.28	19	0						
256QAM	36	0	17.27	17.40	17.23								
256QAM	36	20	17.53	17.41	17.31								
256QAM	36	36	17.39	17.29	17.27	19	0						
256QAM	75	0	17.27	17.58	17.36								
Channel 26160 26360 26560													
Frequency (MHz)													
QPSK	1	0	17.44	17.42	17.35	19	0						
QPSK	1	25	17.33	17.32	17.33								
QPSK	1	49	17.35	17.50	17.31								
QPSK	25	0	17.37	17.37	17.35	19	0						
QPSK	25	12	17.53	17.34	17.42								
QPSK	25	25	17.28	17.28	17.44								
QPSK	50	0	17.31	17.37	17.41	19	0						
16QAM	1	0	17.33	17.48	17.44								
16QAM	1	25	17.36	17.39	17.32								
16QAM	1	49	17.28	17.33	17.32	19	0						
16QAM	25	0	17.37	17.39	17.31								
16QAM	25	12	17.35	17.50	17.35								
16QAM	25	25	17.32	17.42	17.36	19	0						
16QAM	50	0	17.34	17.28	17.38								
84QAM	1	0	17.34	17.30	17.32	19	0						
84QAM	1	25	17.42	17.50	17.35								
84QAM	1	49	17.30	17.49	17.35								
84QAM	25	0	17.27	17.43	17.40	19	0						
84QAM	25	12	17.41	17.28	17.29								
84QAM	25	25	17.33	17.46	17.32								
84QAM	50	0	17.32	17.36	17.36	19	0						
256QAM	1	0	17.31	17.38	17.35								
256QAM	1	25	17.37	17.47	17.37								
256QAM	1	49	17.42	17.42	17.34	19	0						
256QAM	25	0	17.26	17.29	17.32								
256QAM	25	12	17.36	17.41	17.31								
256QAM	25	25	17.29	17.35	17.21	19	0						
256QAM	50	0	17.24	17.38	17.48								
Channel 26665 26695 26915													
Frequency (MHz)													
QPSK	1	0	17.37	17.42	17.43	19	0						
QPSK	1	12	17.37	17.36	17.33								
QPSK	1	24	17.29	17.48	17.35								
QPSK	12	0	17.40	17.44	17.42	19	0						
QPSK	12	7	17.30	17.31	17.45								
QPSK	12	13	17.20	17.32	17.31								
QPSK	25	0	17.28	17.40	17.35	19	0						
16QAM	1	0	17.28	17.39	17.38								
16QAM	1	12	17.33	17.41	17.35								
16QAM	1	24	17.35	17.34	17.35	19	0						
16QAM	12	0	17.47	17.43	17.27								
16QAM	12	7	17.34	17.43	17.40								
16QAM	12	13	17.37	17.43	17.43	19	0						
16QAM	25	0	17.31	17.30	17.31								
84QAM	1	0	17.40	17.30	17.31	19	0						
84QAM	1	12	17.39	17.48	17.38								
84QAM	1	24	17.37	17.47	17.37								
84QAM	12	0	17.39	17.41	17.33	19	0						
84QAM	12	7	17.36	17.35	17.31								
84QAM	12	13	17.44	17.43	17.24								
84QAM	25	0	17.40	17.32	17.31	19	0						
256QAM	1	0	17.41	17.36	17.27								
256QAM	1	12	17.28	17.48	17.35								
256QAM	1	24	17.38	17.48	17.35	19	0						
256QAM	12	0	17.35	17.33	17.33								
256QAM	12	7	17.38	17.47	17.22								
256QAM	12	13	17.40	17.35	17.27	19	0						
256QAM	25	0	17.25	17.42	17.34								
Channel 26920 26945 26965													
Frequency (MHz)													
QPSK	1	0	17.34	17.50	17.44	19	0						
QPSK	1	8	17.38	17.32	17.23								
QPSK	1	16	17.44	17.34	17.24								
QPSK	8	0	17.43	17.44	17.41	19	0						
QPSK	8	8	17.34	17.42	17.35								
QPSK	8	16	17.34	17.55	17.35								
QPSK	16	0	17.31	17.46	17.39	19	0						
16QAM	1	0	17.28	17.41	17.43								
16QAM	1	8	17.26	17.38	17.34								
16QAM	1	16	17.28	17.30	17.34	19	0						
16QAM	8	0	17.37	17.36	17.42								
16QAM	8	8	17.44	17.44	17.44								
16QAM	16	0	17.34	17.31	17.44	19	0						
16QAM	16	8	17.38	17.40	17.41								
16QAM	16	16	17.27	17.41	17.37								
84QAM	1	0	17.44	17.34	17.35	19	0						
84QAM	1	8	17.25	17.50	17.29								
84QAM	1	16	17.31	17.49	17.48								
84QAM	8	0	17.31	17.49	17.48	19	0						
84QAM	8	8	17.38	17.40	17.41								
84QAM	8	16	17.29	17.44	17.23								
84QAM	16	0	17.37	17.28	17.32	19	0						
84QAM	16	8	17.35	17.44	17.39								
84QAM	16	16	17.28	17.49	17.39								
84QAM	32	0	17.33	17.49	17.36	19	0						
256QAM	1	0	17.30	17.42	17.35								
256QAM	1	8	17.30	17.52	17.37								
256QAM	1	16	17.22	17.47	17.28	19	0						
256QAM	8	0	17.28	17.57	17.31								
256QAM	8	8	17.30	17.42	17.37								
256QAM	16	0	17.27	17.47	17.38	19	0						
16QAM	1	0	17.28	17.47	17.38								
16QAM	1	8	17.33	17.56	17.35								
16QAM	32	0	17.36	17.35	17.33	19	0						
16QAM	32	16	17.29	17.42	17.32								
16QAM	32	32	17.33	17.38	17.35								
16QAM	64	0	17.40	17.35	17.32	19	0						
16QAM	64	32	17.37	17.47	17.37								
16QAM	64	64	17.26	17.47	17.39								
84QAM	1	0	17.35	17.38	17.37	19	0						
84QAM	1	8	17.27	17.48	17.24								
84QAM	1	16	17.33	17.57	17.35								
84QAM	8	0	17.33	17.57	17.38	19	0						
84QAM	8	8	17.37	17.42	17.37								
84QAM	8	16	17.29	17.49	17.41								
84QAM	16	0	17.26	17.43	17.37	19	0						
256QAM	1	0	17.32	17.47	17.38								
256QAM	1	8	17.38	17.52	17.42								
256QAM	1	16	17.36	17.42	17.36	19	0						
256QAM	8	0	17.22	17.52	17.36								
256QAM	8	8	17.28	17.57	17.28								
256QAM	32	0	17.27	17.54	17.26	19	0						
256QAM	32	16	17.37	17.44	17.46								

Band 25_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.77	15.79	15.79	17.5	0				
20	QPSK	1	49	15.76	15.78	15.81	17.5	0				
20	QPSK	1	99	15.69	15.67	15.66	17.5	0				
20	QPSK	50	0	15.75	15.73	15.72	17.5	0				
20	QPSK	50	24	15.88	15.72	15.82	17.5	0				
20	QPSK	50	50	15.84	15.71	15.71	17.5	0				
20	QPSK	100	0	15.68	15.77	15.72	17.5	0				
20	QPSK	1	0	15.73	15.77	15.67	17.5	0				
20	QPSK	1	49	15.73	15.68	15.68	17.5	0				
20	QPSK	50	0	15.84	15.76	15.80	17.5	0				
20	QPSK	50	24	15.89	15.68	15.68	17.5	0				
20	QPSK	50	50	15.89	15.64	15.70	17.5	0				
20	QPSK	100	0	15.85	15.66	15.75	17.5	0				
20	QPSK	1	49	15.76	15.67	15.67	17.5	0				
20	QPSK	1	99	15.74	15.69	15.69	17.5	0				
20	QPSK	50	0	15.73	15.71	15.71	17.5	0				
20	QPSK	50	24	15.88	15.67	15.71	17.5	0				
20	QPSK	50	50	15.84	15.69	15.64	17.5	0				
20	QPSK	100	0	15.71	15.74	15.68	17.5	0				
20	QPSK	1	99	15.71	15.64	15.65	17.5	0				
20	QPSK	50	0	15.86	15.74	15.71	17.5	0				
20	QPSK	50	24	15.87	15.67	15.71	17.5	0				
20	QPSK	50	50	15.73	15.78	15.71	17.5	0				
20	QPSK	100	0	15.66	15.72	15.66	17.5	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.84	15.76	15.79	17.5	0				
15	QPSK	1	37	15.72	15.87	15.80	17.5	0				
15	QPSK	1	74	15.86	15.65	15.64	17.5	0				
15	QPSK	36	0	15.87	15.67	15.68	17.5	0				
15	QPSK	36	20	15.69	15.69	15.61	17.5	0				
15	QPSK	36	50	15.83	15.68	15.58	17.5	0				
15	QPSK	75	0	15.80	15.66	15.63	17.5	0				
160M	1	0	15.80	15.64	15.54	17.5	0	0				
160M	1	37	15.81	15.67	15.61	17.5	0	0				
160M	1	74	15.70	15.66	15.53	17.5	0	0				
160M	36	0	15.50	15.67	15.55	17.5	0	0				
160M	36	20	15.64	15.61	15.61	17.5	0	0				
160M	36	50	15.68	15.63	15.61	17.5	0	0				
160M	75	0	15.58	15.63	15.60	17.5	0	0				
840M	1	0	15.51	15.72	15.70	17.5	0	0				
840M	1	37	15.69	15.62	15.53	17.5	0	0				
840M	36	0	15.57	15.65	15.64	17.5	0	0				
840M	36	0	15.57	15.65	15.64	17.5	0	0				
840M	36	20	15.59	15.59	15.59	17.5	0	0				
840M	36	50	15.64	15.55	15.57	17.5	0	0				
250M	1	0	15.62	15.69	15.65	17.5	0	0				
250M	1	37	15.62	15.74	15.55	17.5	0	0				
250M	1	74	15.62	15.52	15.53	17.5	0	0				
250M	36	0	15.63	15.61	15.65	17.5	0	0				
250M	36	20	15.68	15.55	15.55	17.5	0	0				
250M	36	50	15.67	15.55	15.58	17.5	0	0				
250M	75	0	15.52	15.66	15.64	17.5	0	0				
250M	75	0	15.52	15.66	15.64	17.5	0	0				
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.67	15.67	15.72	17.5	0				
10	QPSK	1	49	15.74	15.63	15.58	17.5	0				
10	QPSK	25	0	15.55	15.64	15.57	17.5	0				
10	QPSK	25	12	15.69	15.68	15.53	17.5	0				
10	QPSK	25	25	15.55	15.65	15.67	17.5	0				
10	QPSK	50	0	15.60	15.70	15.61	17.5	0				
160M	1	0	15.50	15.66	15.61	17.5	0	0				
160M	1	25	15.71	15.64	15.53	17.5	0	0				
160M	25	0	15.53	15.68	15.63	17.5	0	0				
160M	25	12	15.58	15.61	15.57	17.5	0	0				
160M	25	25	15.62	15.64	15.61	17.5	0	0				
160M	50	0	15.54	15.58	15.63	17.5	0	0				
840M	1	0	15.54	15.73	15.61	17.5	0	0				
840M	1	49	15.74	15.61	15.50	17.5	0	0				
840M	25	0	15.56	15.61	15.59	17.5	0	0				
840M	25	12	15.59	15.64	15.64	17.5	0	0				
840M	25	25	15.60	15.63	15.55	17.5	0	0				
840M	50	0	15.58	15.68	15.63	17.5	0	0				
250M	1	0	15.56	15.68	15.63	17.5	0	0				
250M	1	49	15.68	15.58	15.58	17.5	0	0				
250M	25	0	15.58	15.68	15.63	17.5	0	0				
250M	25	12	15.65	15.60	15.63	17.5	0	0				
250M	25	25	15.65	15.75	15.62	17.5	0	0				
250M	50	0	15.52	15.65	15.64	17.5	0	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.84	15.70	15.64	17.5	0				
5	QPSK	1	12	15.72	15.75	15.58	17.5	0				
5	QPSK	1	24	15.61	15.64	15.61	17.5	0				
5	QPSK	12	0	15.66	15.70	15.67	17.5	0				
5	QPSK	12	7	15.63	15.70	15.53	17.5	0				
5	QPSK	12	13	15.67	15.68	15.59	17.5	0				
5	QPSK	25	0	15.65	15.68	15.67	17.5	0				
5	QPSK	25	0	15.69	15.69	15.60	17.5	0				
5	QPSK	15	12	15.58	15.68	15.60	17.5	0				
5	QPSK	15	24	15.69	15.62	15.58	17.5	0				
5	QPSK	15	37	15.68	15.71	15.54	17.5	0				
5	QPSK	15	50	15.62	15.53	15.63	17.5	0				
5	QPSK	12	13	15.66	15.61	15.59	17.5	0				
5	QPSK	12	13	15.66	15.61	15.59	17.5	0				
5	QPSK	15	0	15.65	15.65	15.68	17.5	0				
5	QPSK	15	0	15.69	15.69	15.68	17.5	0				
5	QPSK	1	14	15.63	15.60	15.54	17.5	0				
5	QPSK	1	14	15.65	15.62	15.55	17.5	0				
5	QPSK	8	4	15.62	15.60	15.55	17.5	0				
5	QPSK	8	7	15.63	15.62	15.55	17.5	0				
5	QPSK	8	7	15.65	15.59	15.59	17.5	0				
5	QPSK	1	0	15.61	15.64	15.59	17.5	0				
5	QPSK	1	14	15.59	15.52	15.51	17.5	0				
5	QPSK	8	0	15.57	15.67	15.66	17.5	0				
5	QPSK	8	0	15.61	15.61	15.61	17.5	0				
5	QPSK	15	0	15.59	15.61	15.54	17.5	0				
5	QPSK	15	0	15.63	15.62	15.55	17.5	0				
5	QPSK	15	14	15.62	15.72	15.62	17.5	0				
5	QPSK	8	4	15.61	15.64	15.57	17.5	0				
5	QPSK	1	14	15.56	15.53	15.46	17.5	0				
5	QPSK	1	14	15.51	15.43	15.35	17.5	0				
5	QPSK	8	4	15.63	15.62	15.55	17.5	0				
5	QPSK	8	4	15.65	15.60	15.55	17.5	0				
5	QPSK	15	0	15.57	15.58	15.51	17.5	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	15.76	15.66	15.64	17.5	0				
1.4	QPSK	1	0	15.84	15.63	15.56	17.5	0				
1.4	QPSK	1	0	15.81	15.64	15.57	17.5	0				
1.4	QPSK	3	0	15.80	15.71	15.71	17.5	0				
1.4	QPSK	3	0	15.80	15.71	15.71	17.5	0				
1.4	QPSK	6	0	15.56	15.74	15.52	17.5	0				
1.4	QPSK	6	0	15.56	15.74	15.52	17.5	0				
1.4	QPSK	1	0	15.85	15.66	15.62	17.5	0				
1.4	QPSK	1	0	15.85	15.66	15.62	17.5	0				
1.4	QPSK	1	0	15.82	15.61	15.52	17.5	0				
1.4	QPSK	3	0	15.83	15.68	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.68	15.53	17.5	0				
1.4	QPSK	3	0	15.59	15.57	15.51	17.5	0				
1.4	QPSK	3	0	15.80	15.69	15.60	17.5	0				
1.4	QPSK	3	0	15.81	15.63	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	15.69	15.53	17.5	0				
1.4	QPSK	3	0	15.83	1							

Band 66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Lb Ch [Frac]	Power Hb Ch [Frac]	Power Lb Ch [Frac]	Power Hb Ch [Frac]	Turn-up time (min)	Spurs (dB)
Channel				130972	130932	130972	130932		
20	QPSK	1	0	17.25	17.48	17.25	17.48		
40	QPSK	1	49	17.48	17.59	17.59	17.60	10	0
80	QPSK	1	99	17.51	17.52	17.51	17.51		
160	QPSK	1	199	17.51	17.51	17.51	17.51		
320	QPSK	50	24	17.50	17.51	17.49	17.50		
640	QPSK	100	50	17.51	17.51	17.51	17.51		
1280	QPSK	100	0	17.49	17.58	17.58	17.58		
1280	16QAM	1	0	17.50	17.65	17.65	17.65		
1280	16QAM	1	49	17.50	17.51	17.51	17.51		
1280	16QAM	1	99	17.52	17.69	17.69	17.70		
1280	16QAM	50	0	17.54	17.57	17.57	17.57		
1280	16QAM	50	49	17.56	17.57	17.57	17.59		
1280	16QAM	100	50	17.56	17.55	17.54	17.55		
1280	16QAM	100	0	17.55	17.56	17.55	17.56		
1280	16QAM	1	0	17.53	17.54	17.51	17.51		
1280	16QAM	1	49	17.50	17.54	17.58	17.58		
1280	16QAM	1	99	17.50	17.55	17.59	17.60		
1280	16QAM	50	0	17.53	17.62	17.65	17.65		
1280	16QAM	50	49	17.56	17.59	17.60	17.63		
1280	16QAM	100	50	17.55	17.54	17.57	17.59		
1280	16QAM	100	0	17.56	17.51	17.57	17.57		
1280	256QAM	1	0	17.50	17.63	17.63	17.63		
1280	256QAM	1	49	17.50	17.51	17.56	17.56		
1280	256QAM	1	99	17.55	17.51	17.60	17.60		
1280	256QAM	50	0	17.54	17.54	17.54	17.54		
1280	256QAM	50	49	17.51	17.58	17.57	17.57		
1280	256QAM	100	50	17.53	17.55	17.54	17.54		
1280	256QAM	100	0	17.56	17.58	17.57	17.57		
Channel				130947	130932	130947	130932		
20	QPSK	1	0	17.17	17.44	17.17	17.44		
40	QPSK	1	37	17.33	17.52	17.52	17.53		
80	QPSK	1	74	17.52	17.46	17.46	17.47		
160	QPSK	1	148	17.53	17.53	17.53	17.53		
320	QPSK	36	20	17.41	17.48	17.37	17.48		
640	QPSK	36	20	17.37	17.39	17.38	17.38		
1280	QPSK	36	20	17.38	17.38	17.38	17.38		
1280	16QAM	1	0	17.37	17.51	17.51	17.51		
1280	16QAM	1	37	17.44	17.37	17.44	17.44		
1280	16QAM	1	74	17.47	17.53	17.50	17.50		
1280	16QAM	36	0	17.50	17.54	17.52	17.52		
1280	16QAM	36	37	17.44	17.50	17.43	17.43		
1280	16QAM	36	74	17.46	17.54	17.47	17.47		
1280	16QAM	1	37	17.42	17.55	17.48	17.48		
1280	16QAM	1	74	17.44	17.54	17.44	17.44		
1280	16QAM	36	0	17.41	17.49	17.53	17.53		
1280	16QAM	36	20	17.58	17.46	17.47	17.47		
1280	16QAM	36	74	17.42	17.57	17.58	17.58		
1280	256QAM	1	0	17.30	17.50	17.51	17.51		
1280	256QAM	1	37	17.46	17.46	17.46	17.46		
1280	256QAM	1	74	17.53	17.47	17.55	17.55		
1280	256QAM	36	0	17.42	17.51	17.52	17.52		
1280	256QAM	36	20	17.43	17.43	17.48	17.48		
1280	256QAM	36	39	17.39	17.48	17.48	17.48		
1280	256QAM	36	74	17.55	17.45	17.43	17.43		

	Frequency (MHz)		1715	1745	1775	mid	LFPS
10	QPSK	1	0	1757	1758	1760	
10	QPSK	1	26	1742	1758	1743	
10	QPSK	1	26	1742	1758	1743	
10	QPSK	25	0	1760	1758	1743	
10	QPSK	12	0	1758	1753	1747	
10	QPSK	25	0	1748	1742	1742	
10	QPSK	60	0	1738	1751	1745	0
10	QPSK	1	26	1742	1758	1743	
10	16QAM	1	26	1748	1742	1742	
10	16QAM	1	48	1753	1748	1739	0
10	16QAM	1	26	1742	1758	1743	
10	16QAM	25	0	1758	1742	1742	
10	16QAM	12	0	1758	1753	1747	
10	16QAM	60	0	1747	1742	1741	
10	64QAM	1	0	1751	1743	1738	
10	64QAM	1	26	1748	1753	1749	
10	64QAM	1	48	1757	1749	1738	
10	64QAM	25	0	1741	1751	1743	
10	64QAM	12	0	1757	1749	1738	
10	64QAM	25	25	1742	1740	1743	
10	256QAM	1	0	1742	1751	1740	
10	256QAM	1	0	1742	1751	1747	
10	256QAM	1	25	1758	1741	1747	
10	256QAM	12	0	1757	1749	1738	
10	256QAM	25	0	1754	1749	1748	
10	256QAM	25	12	1758	1748	1748	
10	256QAM	25	25	1758	1751	1743	
10	256QAM	60	0	1742	1741	1740	
10	256QAM	60	0	1742	1751	1747	
	Frequency (MHz)		1715	1745	1775	mid	LFPS
5	QPSK	1	0	1759	1758	1757	
5	QPSK	1	12	1753	1751	1751	0
5	QPSK	1	12	1743	1743	1743	
5	QPSK	12	0	1758	1753	1747	
5	QPSK	12	0	1758	1753	1747	
5	QPSK	12	13	1755	1751	1747	
5	QPSK	25	0	1738	1759	1749	
5	16QAM	1	12	1748	1742	1745	
5	16QAM	1	12	1738	1748	1740	
5	16QAM	1	28	1754	1745	1741	
5	16QAM	12	0	1758	1742	1742	
5	16QAM	12	7	1750	1740	1741	
5	16QAM	12	13	1758	1742	1742	
5	16QAM	25	0	1738	1749	1747	
5	64QAM	1	0	1746	1756	1745	
5	64QAM	1	12	1742	1752	1750	
5	64QAM	1	24	1748	1754	1738	
5	64QAM	12	0	1748	1740	1752	
5	64QAM	12	0	1748	1747	1752	
5	64QAM	12	13	1753	1739	1738	
5	256QAM	1	0	1742	1749	1742	
5	256QAM	1	24	1754	1744	1738	
5	256QAM	1	12	1758	1741	1745	
5	256QAM	12	0	1748	1741	1745	
5	256QAM	12	7	1737	1743	1754	
5	256QAM	12	13	1743	1743	1753	
5	256QAM	25	0	1739	1743	1754	
	Frequency (MHz)		1715	1745	1775	mid	LFPS
3	QPSK	1	0	1757	1744	1749	
3	QPSK	1	8	1738	1755	1758	

[illegible]

Band 71_Ant 0										
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up Int (dB)	MPE (dB)		
Channel										
Frequency (MHz)				133222	133297	133372				
20	QPSK	1	0	673	680.5	688				
20	QPSK	1	49	22.47	22.52	22.42	24	0		
20	QPSK	1	99	22.46	22.50	22.33				
20	QPSK	50	0	21.50	21.52	21.58				
20	QPSK	50	24	21.47	21.50	21.42				
20	QPSK	50	50	21.48	21.57	21.47	23	1		
20	QPSK	100	0	21.46	21.55	21.50				
20	16QAM	1	0	21.55	21.75	21.38				
20	16QAM	1	49	21.72	21.73	21.66	23	1		
20	16QAM	50	99	21.61	21.70	21.51				
20	16QAM	50	0	20.51	20.70	20.87				
20	16QAM	50	24	20.58	20.72	20.56	22	2		
20	16QAM	50	50	20.68	20.71	20.55				
20	16QAM	100	0	20.63	20.75	20.59				
20	64QAM	1	0	20.67	20.66	20.62				
20	64QAM	1	49	20.44	20.60	20.42	22	2		
20	64QAM	50	99	20.50	20.65	20.48				
20	64QAM	50	24	19.73	19.70	19.70				
20	64QAM	50	50	19.50	19.70	19.53	21	3		
20	64QAM	50	99	19.51	19.68	19.48				
20	256QAM	1	0	17.34	17.37	17.36				
20	256QAM	1	49	17.47	17.46	17.37	19	5		
20	256QAM	50	99	17.36	17.41	17.32				
20	256QAM	50	0	17.40	17.37	17.44				
20	256QAM	50	24	17.43	17.46	17.49	19	5		
20	256QAM	50	50	17.40	17.41	17.42				
20	256QAM	100	0	17.42	17.33	17.43				
Channel										
Frequency (MHz)				6715	680.5	688.5	Tune-up Int (dB)	MPE (dB)		
15	QPSK	1	0	22.46	22.45	22.40	24	0		
15	QPSK	1	37	22.35	22.30	22.32				
15	QPSK	1	74	22.37	22.47	22.26				
15	QPSK	36	0	21.33	21.57	21.47				
15	QPSK	36	20	21.37	21.44	21.44	23	1		
15	QPSK	75	0	20.45	20.54	20.59				
15	QPSK	75	0	21.35	21.43	21.48				
15	16QAM	1	0	21.49	21.64	21.41				
15	16QAM	1	74	21.54	21.67	21.54	23	1		
15	16QAM	1	74	21.54	21.51	21.42				
15	16QAM	36	0	20.48	20.64	20.64				
15	16QAM	36	20	20.52	20.57	20.51	22	2		
15	16QAM	36	39	20.50	20.67	20.43				
15	16QAM	75	0	20.62	20.66	20.53				
15	64QAM	1	0	20.45	20.54	20.59				
15	64QAM	1	37	20.24	20.47	20.30	22	2		
15	64QAM	36	0	19.65	19.73	19.70				
15	64QAM	36	39	19.40	19.51	19.48	21	3		
15	64QAM	36	39	19.52	19.52	19.46				
15	64QAM	75	0	19.59	19.65	19.47				
15	256QAM	1	0	17.44	17.45	17.39				
15	256QAM	1	37	17.37	17.45	17.40	19	5		
15	256QAM	1	74	17.42	17.45	17.44				
15	256QAM	36	0	17.36	17.43	17.34				
15	256QAM	36	20	17.40	17.46	17.44	19	5		
15	256QAM	36	39	17.41	17.38	17.38				
15	256QAM	75	0	17.46	17.40	17.45				
Channel										
Frequency (MHz)				133172	133297	133322	Tune-up Int (dB)	MPE (dB)		
20	QPSK	1	0	668	680.5	693				
20	QPSK	1	24	22.43	22.43	22.43	24	0		
20	QPSK	1	24	22.39	22.50	22.25				
20	QPSK	1	49	22.28	22.47	22.19				
20	QPSK	25	0	21.48	21.61	21.54				
20	QPSK	25	12	21.46	21.47	21.39	23	1		
20	QPSK	25	24	21.47	21.44	21.33				
20	QPSK	50	0	21.50	21.55	21.46				
20	16QAM	1	0	21.47	21.53	21.40				
20	16QAM	1	25	21.69	21.72	21.64	23	1		
20	16QAM	24	0	21.43	21.67	21.43				
20	16QAM	24	0	20.57	20.54	20.50				
20	16QAM	25	12	20.50	20.58	20.44	22	2		
20	16QAM	25	25	20.48	20.61	20.45				
20	16QAM	50	0	20.46	20.60	20.45				
20	64QAM	1	0	20.48	20.67	20.55				
20	64QAM	1	25	20.40	20.56	20.36	22	2		
20	64QAM	1	49	20.34	20.50	20.46				
20	64QAM	25	0	19.57	19.56	19.73				
20	64QAM	25	12	19.47	19.56	19.37	21	3		
20	64QAM	25	35	19.44	19.48	19.29				
20	64QAM	50	0	19.43	19.58	19.41				
20	256QAM	1	0	17.47	17.45	17.39				
20	256QAM	1	25	17.47	17.45	17.43	19	5		
20	256QAM	1	49	17.42	17.43	17.36				
20	256QAM	25	0	17.50	17.45	17.42				
20	256QAM	25	12	17.26	17.40	17.36	19	5		
20	256QAM	25	25	17.45	17.41	17.31				
20	256QAM	50	0	17.47	17.33	17.36				
Channel										
Frequency (MHz)				66615	66615	66615	Tune-up Int (dB)	MPE (dB)		
5	QPSK	1	0	22.47	22.45	22.40	24	0		
5	QPSK	1	12	22.40	22.34	22.28				
5	QPSK	1	24	22.43	22.38	22.22				
5	QPSK	12	0	21.50	21.68	21.66				
5	QPSK	12	7	21.20	21.42	21.33	23	1		
5	QPSK	12	13	21.43	21.65	21.32				
5	QPSK	25	0	21.43	21.51	21.38				
5	16QAM	1	0	21.37	21.71	21.44				
5	16QAM	1	12	21.62	21.64	21.54	23	1		
5	16QAM	1	24	21.42	21.66	21.39				
5	16QAM	12	0	20.46	20.59	20.64				
5	16QAM	12	7	20.49	20.61	20.54	22	2		
5	16QAM	12	13	20.58	20.58	20.44				
5	16QAM	25	0	20.50	20.59	20.47				
5	64QAM	1	0	20.55	20.59	20.59				
5	64QAM	1	12	20.50	20.48	20.25	22	2		
5	64QAM	1	24	20.32	20.37	20.33				
5	64QAM	12	0	19.70	19.61	19.87				
5	64QAM	12	7	19.47	19.66	19.42	21	3		
5	64QAM	12	13	19.44	19.60	19.47				
5	64QAM	25	0	19.48	19.71	19.44				
5	256QAM	1	0	17.37	17.48	17.47				
5	256QAM	1	12	17.44	17.45	17.49	19	5		
5	256QAM	1	24	17.37	17.48	17.49				
5	256QAM	12	0	17.50	17.38	17.47				
5	256QAM	12	7	17.33	17.30	17.39	19	5		
5	256QAM	12	13	17.36	17.50	17.31				
5	256QAM	25	0	17.39	17.46	17.49				

Band 71_Ant 1										
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq (dB)	Power Mode Ch / Freq (dB)	Power High Ch / Freq (dB)	Tune-up Int (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18392	18397	18392				
20	QPSK	1	0	18373	18381	18373				
20	QPSK	1	0	22.36	22.40	22.38			24	0
20	QPSK	1	99	22.35	22.47	22.40				
20	QPSK	50	0	21.43	21.52	21.51			23	1
20	QPSK	50	24	21.43	21.49	21.38				
20	QPSK	50	50	21.38	21.50	21.38				
20	QPSK	50	75	21.38	21.52	21.45				
20	16QAM	1	0	21.43	21.61	21.52			23	1
20	16QAM	1	99	21.69	21.63	21.63				
20	16QAM	50	0	21.69	21.66	21.58				
20	16QAM	50	24	21.66	21.58	21.47				
20	16QAM	50	50	20.50	20.52	20.47				
20	16QAM	50	75	20.45	20.57	20.47				
20	16QAM	50	99	20.45	20.53	20.41			22	
20	16QAM	100	0	20.50	20.67	20.53				
20	16QAM	100	24	20.50	20.64	20.44				
20	16QAM	100	50	20.45	20.61	20.53				
20	16QAM	100	75	20.45	20.67	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.47	20.73	20.58				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.69	20.53				
20	16QAM	100	99	20.46	20.					

Band 38_Ant 2									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. dB]	Power Meds Ch. [Frac. dB]	Power High Ch. [Frac. dB]	Turn-up [dB]	MPR [dB]	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.60	21.60	21.60			
20	QPSK	1	40	21.61	21.63	21.62	23	0	
20	QPSK	1	80	21.67	21.66	21.67			
20	QPSK	1	96	21.60	21.54	21.55			
20	QPSK	50	0	21.57	21.57	21.56			
20	QPSK	50	24	21.57	21.57	21.56	23	0	
20	QPSK	50	50	21.53	21.61	21.59			
20	QPSK	100	0	21.57	21.56	21.56			
20	16QAM	1	0	21.78	21.75	21.76			
20	16QAM	1	40	21.89	21.78	21.76	23	0	
20	16QAM	1	80	21.73	21.80	21.80			
20	16QAM	50	0	20.85	20.88	20.85			
20	16QAM	50	24	20.86	20.79	20.79			
20	16QAM	50	50	20.95	20.77	20.82	22	1	
20	16QAM	100	0	20.92	20.98	20.71			
20	64QAM	1	0	20.92	20.92	20.92			
20	64QAM	1	40	20.90	20.97	20.79	22	1	
20	64QAM	1	80	20.97	20.92	20.93			
20	64QAM	50	0	19.41	19.51	19.57			
20	64QAM	50	24	19.54	19.51	19.57	21	2	
20	64QAM	50	50	19.55	19.62	19.70			
20	64QAM	100	0	19.50	19.59	19.76			
20	256QAM	1	0	17.40	17.46	17.43			
20	256QAM	1	40	17.27	17.39	17.40	19	4	
20	256QAM	1	80	17.29	17.42	17.38			
20	256QAM	50	0	17.29	17.39	17.39			
20	256QAM	50	24	17.24	17.37	17.29	19	4	
20	256QAM	50	50	17.29	17.34	17.30			
20	256QAM	100	0	17.29	17.34	17.30			
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.73	22.68	22.73	Turn-up [dB]	MPR [dB]	
16	QPSK	1	37	23.32	23.48	23.46	23	0	
16	QPSK	1	74	23.40	23.44	23.44			
16	QPSK	36	0	23.63	23.61	23.64			
16	QPSK	36	20	23.47	23.37	23.59	23	0	
16	QPSK	36	39	23.46	23.36	23.43			
16	QPSK	75	0	23.55	23.53	23.60			
16	16QAM	1	0	23.60	23.62	23.63			
16	16QAM	1	37	23.63	23.69	23.70	23	0	
16	16QAM	1	74	23.63	23.69	23.69			
16	16QAM	36	0	20.45	20.59	20.53			
16	16QAM	36	20	20.47	20.64	20.60	22	1	
16	16QAM	36	39	20.43	20.54	20.78			
16	16QAM	75	0	20.50	20.49	20.73			
16	64QAM	1	0	20.48	20.57	20.48			
16	64QAM	1	37	20.47	20.49	20.48	22	1	
16	64QAM	1	74	20.53	20.57	20.58			
16	64QAM	36	0	19.45	19.32	19.38			
16	64QAM	36	20	19.46	19.39	19.47	21	2	
16	64QAM	36	39	19.52	19.57	19.53			
16	64QAM	75	0	19.38	19.38	19.41			
16	256QAM	1	0	17.26	17.26	17.26			
16	256QAM	1	37	17.24	17.22	17.21	19	4	
16	256QAM	1	74	17.22	17.21	17.20			
16	256QAM	36	0	17.25	17.21	17.26			
16	256QAM	36	20	17.06	17.20	17.20	19	4	
16	256QAM	36	39	17.12	17.21	17.12			
16	256QAM	75	0	17.12	17.21	17.12			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.47	23.63	23.46	Turn-up [dB]	MPR [dB]	
10	QPSK	1	25	23.44	23.48	23.52	23	0	
10	QPSK	1	40	23.62	23.72	23.60			
10	QPSK	25	0	23.61	23.68	23.62			
10	QPSK	25	12	23.40	23.47	23.44	23	0	
10	QPSK	25	25	23.46	23.46	23.53			
10	QPSK	50	0	23.67	23.58	23.65			
10	16QAM	1	0	23.62	23.68	23.67			
10	16QAM	1	25	23.68	23.69	23.70	23	0	
10	16QAM	1	40	23.61	23.70	23.70			
10	16QAM	25	0	20.43	20.57	20.48			
10	16QAM	25	12	20.45	20.60	20.59	22	1	
10	16QAM	25	25	20.39	20.60	20.78			
10	16QAM	50	0	20.46	20.62	20.50			
10	64QAM	1	0	20.49	20.59	20.49			
10	64QAM	1	25	20.50	20.73	20.61	22	1	
10	64QAM	1	40	20.50	20.73	20.61			
10	64QAM	25	0	19.38	19.45	19.40			
10	64QAM	25	12	19.40	19.39	19.67	21	2	
10	64QAM	25	25	19.51	19.50	19.58			
10	256QAM	1	0	17.16	17.26	17.16			
10	256QAM	1	40	17.25	17.30	17.27	19	4	
10	256QAM	25	0	17.24	17.39	17.31			
10	256QAM	25	12	17.18	17.26	17.30	19	4	
10	256QAM	25	25	17.17	17.31	17.21			
10	256QAM	50	0	17.10	17.20	17.11			

Band 38_Ant 9									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. dB]	Power Meds Ch. [Frac. dB]	Power High Ch. [Frac. dB]	Turn-up [dB]	MPR [dB]	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.50	17.54	17.51			
20	QPSK	1	40	17.76	17.69	17.61	19	0	
20	QPSK	1	96	17.79	17.74	17.70			
20	QPSK	50	0	17.63	17.72	17.58			
20	QPSK	50	50	17.59	17.68	17.58	19	0	
20	QPSK	100	0	17.73	17.69	17.62			
20	16QAM	1	0	17.70	17.70	17.70			
20	16QAM	1	40	17.73	17.80	17.74	19	0	
20	16QAM	1	96	17.73	17.79	17.76			
20	16QAM	50	0	17.67	17.77	17.84			
20	16QAM	50	24	17.67	17.73	17.70	19	0	
20	16QAM	50	50	17.65	17.76	17.72			
20	64QAM	1	0	17.73	17.71	17.71			
20	64QAM	1	40	17.66	17.69	17.70	19	0	
20	64QAM	96	0	17.66	17.69	17.70			
20	64QAM	50	0	17.68	17.79	17.66			
20	64QAM	50	24	17.76	17.78	17.72	19	0	
20	256QAM	1	0	17.65	17.72	17.68			
20	256QAM	1	40	17.45	17.55	17.51	19	0	
20	256QAM	1	96	17.62	17.66	17.58			
20	256QAM	50	0	17.62	17.66	17.58			
20	256QAM	50	24	17.61	17.62	17.51	19	0	
20	256QAM	50	50	17.59	17.61	17.63			
20	256QAM	100	0	17.52	17.58	17.61			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.60	17.66	17.74	Turn-up [dB]	MPR [dB]	
15	QPSK	1	37	17.63	17.67	17.48	19	0	
15	QPSK	1	74	17.69	17.72	17.59			
15	QPSK	36	0	17.68	17.81	17.61			
15	QPSK	36	20	17.59	17.71	17.62	19	0	
15	QPSK	36	39	17.64	17.66	17.65			
15	16QAM	1	0	17.60	17.55	17.54			
15	16QAM	1	37	17.72	17.78	17.70	19	0	
15	16QAM	1	74	17.63	17.62	17.55			
15	16QAM	36	0	17.63	17.71	17.59			
15	16QAM	36	20	17.61	17.70	17.64	20	0	
15	16QAM	36	39	17.50	17.73	17.65			
15	16QAM	75	0	17.60	17.56	17.55			
15	64QAM	1	0	17.61	17.70	17.58			
15	64QAM	1	37	17.63	17.59	17.65	19	0	
15	64QAM	1	74	17.62	17.61	17.61			
15	64QAM	36	0	17.63	17.65	17.61			
15	64QAM	36	20	17.60	17.67	17.62	19	0	
15	64QAM	36	39	17.70	17.75	17.62			
15	64QAM	75	0	17.66	17.69	17.65			
15	256QAM	1	0	17.56	17.60	17.54			
15	256QAM	1	37	17.46	17.42	17.38	19	0	
15	256QAM	1	74	17.56	17.57	17.51			
15	256QAM	36	0	17.61	17.61	17.48			
15	256QAM	36	20	17.56	17.51	17.34	19	0	
15	256QAM	36	39	17.61	17.61	17.51			
15	256QAM	75	0	17.50	17.53	17.58			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.67	17.83	17.74	Turn-up [dB]	MPR [dB]	
10	QPSK	1	25	17.68	17.68	17.59	19	0	
10	QPSK	1	50	17.70	17.70	17.61			
10	QPSK	25	0	17.68	17.74	17.57			
10	QPSK	25	12	17.63	17.70	17.48	19	0	
10	QPSK	25	25	17.63	17.63	17.47			
10	QPSK	50	0	17.68	17.71	17.52			
10	16QAM	1	0	17.67	17.72	17.54			
10	16QAM	1	25	17.71	17.74	17.60	19	0	
10	16QAM	1	49	17.68	17.74	17.49			
10	16QAM	25	0	17.69	17.75	17.51			
10	16QAM	25	12	17.66	17.68	17.48	19	0	
10	16QAM	25	25	17.62	17.69	17.48			
10	16QAM	50	0	17.61	17.70	17.53			
10	16QAM	50	25	17.66	17.69	17.58	19	0	
10	64QAM	1	0	17.65	17.69	17.54			
10	64QAM	1	45	17.67	17.69	17.54			
10	64QAM	25	0	17.63	17.70	17.50			
10	64QAM	25	12	17.66	17.72	17.49	19	0	
10	64QAM	25	25	17.61	17.69	17.50			
10	64QAM	50	0	17.68	17.72	17.63			
10	64QAM	50	25	17.70	17.74	17.58	19	0	
10	256QAM	1	0	17.58	17.65	17.53			
10	256QAM	1	25	17.36	17.45	17.34	19	0	
10	256QAM	1	50	17.61	17.59	17.48			
10	256QAM	25	0	17.52	17.47	17.42	19	0	
10	256QAM	25	12	17.45	17.45	17.31			
10	256QAM	25	25	17.50	17.51	17.34	19	0	
10	256QAM	50	0	17.52	17.53	17.54			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.79	17.82	17.75	Turn-up [dB]	MPR [dB]	
5	QPSK	1	12	17.81	17.81	17.70	19	0	
5	QPSK	1	24	17.84	17.83	17.59			
5	QPSK	12	0	17.61	17.60	17.59			
5	QPSK	12	12	17.61	17.59	17.49	19	0	
5	QPSK	12	13	17.64	17.62	17.41			
5	QPSK	25	0	17.63	17.62	17.48			
5	16QAM	1	0	17.63	17.68	17.73			
5	16QAM	1	12	17.70	17.70	17.62	19	0	
5	16QAM	1	24	17.63	17.66	17.59			
5	16QAM	12	0	17.61	17.68	17.52			
5	16QAM	12	7	17.61	17.70	17.54	19	0	
5	16QAM	12	13	17.61	17.61	17.48			
5	16QAM	25	0	17.63	17.67	17.53			
5	16QAM	25	12	17.61	17.61	17.48	19	0	
5	16QAM	25	13	17.64	17.61	17.48			
5	16QAM	1	12	17.65	17.68	17.55			
5	16QAM	1	24	17.58	17.61	17.54	19	0	
5	16QAM	12	0	17.66	17.72	17.58			
5	16QAM	12	7	17.62	17.63	17.63	19	0	
5	16QAM	12	13	17.61	17.61	17.58			
5	16QAM	25	0	17.64	17.72	17.67			
5	256QAM	1	0	17.64	17.68	17.68			
5	256QAM	1	12	17.61	17.61	17.48	19	0	
5	256QAM	1	24	17.56	17.54	17.51			
5	256QAM	12	0	17.61	17.61	17.48	19	0	
5	256QAM	12	7	17.41	17.55	17.34	19	0	
5	256QAM	12	13	17.36	17.58	17.62			

Band 41_Ant 2													
RF (MHz)	Modulation	RB Size	RF Offset	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Turn-up time (sec)	MPR (dB)
Channel													
Frequency (MHz)													
20	QPSK	1	0	19.79	21.84	21.78	22.12	22.25				23.5	0
20	QPSK	1	80	22.21	21.80	21.80	22.21	22.25					
20	QPSK	1	90	22.25	21.88	21.83	22.19	22.25					
20	QPSK	1	99	22.25	21.88	21.83	22.19	22.25					
20	QPSK	25	0	16.80	21.30	21.27	21.61	21.54					
20	QPSK	25	24	16.80	21.30	21.27	21.61	21.54					
20	QPSK	50	0	20.65	21.40	21.35	21.75	21.80				23	0.5
20	QPSK	50	24	20.65	21.40	21.35	21.75	21.80					
20	QPSK	100	0	18.30	21.40	21.35	21.75	21.80					
20	QPSK	100	24	18.30	21.40	21.35	21.75	21.80					
20	QPSK	1	0	18.30	21.41	21.37	21.71	21.97					
20	QPSK	1	80	21.88	21.40	21.35	21.85	21.85				23	0.5
20	QPSK	1	90	21.84	21.88	21.86	21.79	21.79					
20	QPSK	1	99	21.84	21.88	21.86	21.79	21.79					
20	QPSK	25	0	17.85	20.40	20.35	20.65	20.57					
20	QPSK	25	24	17.85	20.40	20.35	20.65	20.57					
20	QPSK	50	0	18.05	20.40	20.34	20.74	20.68				22	1.5
20	QPSK	50	24	18.05	20.40	20.34	20.74	20.68					
20	QPSK	100	0	17.87	20.50	20.31	20.73	20.51					
20	QPSK	100	24	17.87	20.50	20.31	20.73	20.51					
20	QPSK	1	80	20.54	20.50	20.20	20.55	20.59				22	1.5
20	QPSK	1	90	20.54	20.50	20.20	20.55	20.59					
20	QPSK	1	99	20.54	20.50	20.20	20.55	20.59					
20	QPSK	25	0	16.97	20.40	20.21	20.62	20.56					
20	QPSK	25	24	16.97	20.40	20.21	20.62	20.56					
20	QPSK	50	0	18.95	19.48	19.33	19.75	19.86				21	2.5
20	QPSK	50	24	18.95	19.48	19.33	19.75	19.86					
20	QPSK	100	0	16.74	19.48	19.31	19.70	19.86					
20	QPSK	100	24	16.74	19.48	19.31	19.70	19.86					
20	QPSK	1	0	14.59	17.14	17.09	17.28	17.33				19	4.5
20	QPSK	1	80	17.40	17.24	17.01	17.18	17.40					
20	QPSK	1	90	17.43	17.09	17.18	17.33	17.40					
20	QPSK	1	99	17.43	17.09	17.18	17.33	17.40					
20	QPSK	25	0	17.52	17.22	17.15	17.35	17.48				19	4.5
20	QPSK	25	24	17.52	17.22	17.15	17.35	17.48					
20	QPSK	50	0	16.89	17.22	17.08	17.28	17.48					
20	QPSK	50	24	16.89	17.22	17.08	17.28	17.48					
20	QPSK	100	0	16.74	17.22	17.08	17.28	17.48					
20	QPSK	100	24	16.74	17.22	17.08	17.28	17.48					
Channel													
Frequency (MHz)													
15	QPSK	1	0	20.03	24.43	24.59	23.73	24.51				23.5	0
15	QPSK	1	80	22.08	21.76	21.69	22.09	22.27					
15	QPSK	1	90	22.08	21.76	21.69	22.09	22.27					
15	QPSK	1	99	22.08	21.76	21.69	22.09	22.27					
15	QPSK	1	24	22.10	21.84	21.72	22.08	22.25					
15	QPSK	1	80	19.78	21.36	21.24	21.61	21.60				23	0.5
15	QPSK	1	90	20.12	21.36	21.23	21.61	21.70					
15	QPSK	1	99	20.12	21.36	21.23	21.61	21.70					
15	QPSK	25	0	18.80	21.30	21.09	21.67	21.62					
15	QPSK	25	24	18.80	21.30	21.09	21.67	21.62					
15	QPSK	50	0	16.89	21.36	21.23	21.61	21.61				23	0.5
15	QPSK	50	24	16.89	21.36	21.23	21.61	21.61					
15	QPSK	100	0	17.01	21.44	21.24	21.70	21.71					
15	QPSK	100	24	17.01	21.44	21.24	21.70	21.71					
15	QPSK	1	80	21.84	20.30	20.31	20.56	20.80				22	1.5
15	QPSK	1	90	20.78	20.42	20.26	20.54	20.74					
15	QPSK	1	99	20.78	20.42	20.26	20.54	20.74					
15	QPSK	25	0	19.57	20.47	20.24	20.55	20.51					
15	QPSK	25	24	19.57	20.47	20.24	20.55	20.51					
15	QPSK	50	0	17.45	20.30	20.01	20.44	20.59					
15	QPSK	50	24	17.45	20.30	20.01	20.44	20.59					
15	QPSK	100	0	16.82	20.37	20.17	20.52	20.58				22	1.5
15	QPSK	100	24	16.82	20.37	20.17	20.52	20.58					
15	QPSK	1	80	19.44	20.31	20.14	20.53	20.68					
15	QPSK	1	90	19.44	20.31	20.14	20.53	20.68					
15	QPSK	1	99	19.44	20.31	20.14	20.53	20.68					
15	QPSK	25	0	16.88	19.37	19.17	19.62	19.65					
15	QPSK	25	24	16.88	19.37	19.17	19.62	19.65					
15	QPSK	50	0	15.98	19.42	19.23	19.70	19.74				21	2.5
15	QPSK	50	24	15.98	19.42	19.23	19.70	19.74					
15	QPSK	100	0	16.72	19.31	19.15	19.58	19.67					
15	QPSK	100	24	16.72	19.31	19.15	19.58	19.67					
15	QPSK	1	80	17.40	17.23	17.03	17.28	17.40				19	4.5
15	QPSK	1	90	17.43	17.09	17.01	17.30	17.52					
15	QPSK	1	99	17.43	17.09	17.01	17.30	17.52					
15	QPSK	25	0	17.51	17.23	17.08	17.33	17.56					
15	QPSK	25	24	17.51	17.23	17.08	17.33	17.56					
15	QPSK	50	0	16.84	17.24	17.10	17.30	17.44				19	4.5
15	QPSK	50	24	16.84	17.24	17.10	17.30	17.44					
15	QPSK	100	0	17.46	17.10	17.06	17.20	17.50					
15	QPSK	100	24	17.46	17.10	17.06	17.20	17.50					
15	QPSK	1	80	14.86	17.17	17.03	17.28	17.57					
15	QPSK	1	90	14.86	17.17	17.03	17.28	17.57					
15	QPSK	1	99	14.86	17.17	17.03	17.28	17.57					
Channel													
Frequency (MHz)													
10	QPSK	1	0	19.73	21.76	21.74	22.19	22.30				23.5	0
10	QPSK	1	25	22.20	21.71	21.63	22.14	22.25					
10	QPSK	1	80	19.73	21.76	21.74	22.19	22.30					
10	QPSK	1	90	19.76	21.30	21.10	21.60	21.76					
10	QPSK	1	99	19.76	21.30	21.10	21.60	21.76					
10	QPSK	25	0	16.84	21.24	21.23	21.64	21.70				23	0.5
10	QPSK	25	24	16.84	21.24	21.23	21.64	21.70					
10	QPSK	50	0	18.80	21.24	21.25	21.60	21.69					
10	QPSK	50	24	18.80	21.24	21.25	21.60	21.69					
10	QPSK	100	0	16.80	21.24	21.14	21.70	21.70				23	0.5
10	QPSK	100	24	16.80	21.24	21.14	21.70	21.70					
10	QPSK	1	80	21.76	21.50	21.38	21.74	21.85					
10	QPSK	1	90	21.76	21.50	21.38	21.74	21.85					
10	QPSK	1	99	21.76	21.50	21.38	21.74	21.85					
10	QPSK	25	0	16.88	20.41	20.18	20.67	20.69				22	1.5
10	QPSK	25	24	16.88	20.41	20.18	20.67	20.69					
10	QPSK	50	0	16.98	20.37	20.21	20.55	20.54					
10	QPSK	50	24	16.98	20.37	20.21	20.55	20.54					
10	QPSK	100	0	17.78	20.40	20.23	20.65	20.68					
10	QPSK	100	24	17.78	20.40	20.23	20.65	20.68					
10	QPSK	1	80	20.54	20.35	20.01	20.47	20.74				22	1.5
10	QPSK	1	90	20.54	20.35	20.01	20.47	20.74					
10	QPSK	1	99	20.54	20.35	20.01	20.47	20.74					
10	QPSK	25	0	16.92	19.28	19.16	19.48	19.70					
10	QPSK	25	24	16.92	19.28	19.16	19.48	19.70					
10	QPSK	50	0	16.92	19.28	19.16	19.48	19.70					
10	QPSK	50	24	16.92	19.28	19.16	19.48	19.70					
10	QPSK	100	0	17.80	19.37	19.23	19.64	19.78				21	2.5
10	QPSK	100	24	17.80	19.37	19.23	19.64	19.78					
10	QPSK	1	80	17.30	18.28	18.21	18.59	18.75				21	2.5
10	QPSK	1	90	17.30	18.28	18.21	18.59	18.75					
10	QPSK	1	99	17.30	18.28	18.21	18.59	18.75					
10	QPSK	25	0	17.01	18.38	18.19	18.53	18.69					
10	QPSK	25	24	17.01	18.38	18.19	18.53	18.69					
10													

Band 41 (HPUE)_Ant 9													
BSI (MHz)	Modulation	BSI (MHz)	BSI (MHz)	Power Low (W)	Power Low (W)	Power High (W)	Power High (W)	Power High (W)	Power High (W)	Power High (W)	Power High (W)	Turn-up (dB)	MPR (dB)
Channel													
Frequency (MHz)													
20	QPSK	1	0	20.12	20.09	19.83	20.21	20.68				21.1	0
20	QPSK	1	40	20.12	20.09	19.83	20.21	20.68					
20	QPSK	1	80	20.15	20.07	19.70	20.31	20.67					
20	QPSK	1	120	20.12	19.83	19.60	20.21	20.68				21.1	0
20	QPSK	1	160	20.12	19.83	19.60	20.21	20.68					
20	QPSK	1	200	20.08	19.91	19.73	20.21	20.68					
20	QPSK	1	240	20.07	19.88	19.70	20.31	20.61					
20	QPSK	1	280	20.21	19.86	19.64	20.10	20.59				21.1	0
20	QPSK	1	320	20.11	19.89	19.62	20.21	20.68					
20	QPSK	1	360	20.12	19.88	19.70	20.31	20.61					
20	QPSK	1	400	20.27	20.03	19.59	20.40	20.59				21.1	0
20	QPSK	1	440	20.03	19.80	19.68	20.21	20.64					
20	QPSK	1	480	20.19	19.94	19.52	20.21	20.55				21.1	0
20	QPSK	1	520	20.12	19.80	19.68	20.21	20.64					
20	QPSK	1	560	20.17	19.87	19.78	20.34	20.79				21.1	0
20	QPSK	1	600	20.18	19.94	19.99	20.14	20.52					
20	QPSK	1	640	20.16	19.88	19.86	20.35	20.52				21.1	0
20	QPSK	1	680	20.19	19.89	19.78	20.35	20.88					
20	QPSK	1	720	20.15	19.83	19.64	20.30	20.89					
20	QPSK	1	760	20.27	19.93	19.75	20.35	20.81				21.1	0
20	QPSK	1	800	20.14	19.84	19.64	20.11	20.58					
20	QPSK	1	840	20.12	19.89	19.71	20.32	20.63					
20	QPSK	1	880	20.16	19.85	19.67	20.35	20.65				21.1	0
20	QPSK	1	920	20.25	19.96	19.75	20.43	20.83					
20	QPSK	1	960	20.20	19.88	19.80	20.17	20.47					
20	QPSK	1	1000	20.14	19.82	19.60	20.35	20.81				21.1	0
Channel													
Frequency (MHz)													
15	QPSK	1	0	20.03	20.03	19.99	20.07	20.03				21.1	0
15	QPSK	1	40	19.98	20.01	19.90	20.30	20.52					
15	QPSK	1	80	20.09	20.08	19.88	20.27	20.59					
15	QPSK	1	120	19.98	19.80	19.60	20.30	20.52				21.1	0
15	QPSK	1	160	20.09	19.73	19.55	20.09	20.40					
15	QPSK	1	200	20.03	19.85	19.65	20.32	20.47					
15	QPSK	1	240	20.19	19.85	19.60	20.55	20.37				21.1	0
15	QPSK	1	280	20.01	19.77	19.64	20.22	20.48					
15	QPSK	1	320	20.14	19.84	19.64	20.24	20.57					
15	QPSK	1	360	20.13	19.88	19.68	19.86	20.44				21.1	0
15	QPSK	1	400	20.12	19.77	19.64	20.22	20.48					
15	QPSK	1	440	20.16	19.82	19.72	20.22	20.59					
15	QPSK	1	480	20.14	19.84	19.70	20.32	20.43				21.1	0
15	QPSK	1	520	20.07	19.70	19.53	20.37	20.48					
15	QPSK	1	560	20.04	19.83	19.67	20.24	20.58				21.1	0
15	QPSK	1	600	20.12	19.80	19.60	20.32	20.43					
15	QPSK	1	640	20.09	19.77	19.54	20.27	20.45				21.1	0
15	QPSK	1	680	20.10	19.92	19.55	20.15	20.43					
15	QPSK	1	720	20.11	19.75	19.50	20.30	20.51				21.1	0
15	QPSK	1	760	20.03	19.82	19.62	20.09	20.49					
15	QPSK	1	800	20.03	19.76	19.67	20.22	20.62				21.1	0
15	QPSK	1	840	20.13	19.85	19.67	20.30	20.59					
15	QPSK	1	880	20.11	19.86	19.73	20.34	20.49				21.1	0
15	QPSK	1	920	20.06	19.74	19.51	20.34	20.48					
15	QPSK	1	960	20.08	19.74	19.51	20.34	20.48					
Channel													
Frequency (MHz)													
10	QPSK	1	0	20.03	19.98	19.83	20.40	20.61				21.1	0
10	QPSK	1	40	19.87	20.04	19.51	20.33	20.52					
10	QPSK	1	80	20.04	19.84	19.61	20.37	20.58					
10	QPSK	1	120	20.03	19.70	19.46	20.14	20.43				21.1	0
10	QPSK	1	160	20.07	19.77	19.71	20.11	20.49					
10	QPSK	1	200	20.21	19.82	19.74	20.23	20.55					
10	QPSK	1	240	20.16	19.84	19.70	20.32	20.43				21.1	0
10	QPSK	1	280	20.03	19.84	19.58	20.32	20.59					
10	QPSK	1	320	20.19	19.74	19.68	20.29	20.58					
10	QPSK	1	360	20.12	19.73	19.72	20.32	20.61				21.1	0
10	QPSK	1	400	20.01	19.80	19.67	20.27	20.59					
10	QPSK	1	440	20.22	19.87	19.71	20.26	20.85					
10	QPSK	1	480	20.06	19.83	19.66	20.13	20.42				21.1	0
10	QPSK	1	520	20.01	19.79	19.53	20.13	20.49					
10	QPSK	1	560	20.02	19.83	19.67	20.17	20.48				21.1	0
10	QPSK	1	600	20.05	19.83	19.57	20.17	20.50					
10	QPSK	1	640	20.05	19.74	19.52	20.27	20.50				21.1	0
10	QPSK	1	680	20.13	19.87	19.75	20.19	20.51					
10	QPSK	1	720	20.16	19.85	19.55	20.50	20.45				21.1	0
10	QPSK	1	760	20.12	19.76	19.60	20.22	20.55					
10	QPSK	1	800	20.13	19.87	19.71	20.35	20.52					
10	QPSK	1	840	20.03	19.84	19.57	20.22	20.58				21.1	0
10	QPSK	1	880	20.10	19.82	19.70	20.36	20.58					
10	QPSK	1	920	20.15	19.77	19.68	20.15	20.50				21.1	0
10	QPSK	1	960	20.09	19.84	19.60	20.21	20.59					
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.35	19.87	19.59	20.30	20.58				21.1	0
5	QPSK	1	40	19.89	19.88	19.66	20.22	20.53					
5	QPSK	1	80	20.04	20.02	19.50	20.35	20.54					
5	QPSK	1	120	20.15	19.85	19.62	20.32	20.45				21.1	0
5	QPSK	1	160	20.02	19.80	19.53	20.03	20.41					
5	QPSK	1	200	20.12	19.85	19.64	20.11	20.41					
5	QPSK	1	240	20.16	19.85	19.51	20.23	20.55				21.1	0
5	QPSK	1	280	20.13	19.86	19.64	20.24	20.52					
5	QPSK	1	320	20.19	19.78	19.59	20.23	20.49				21.1	0
5	QPSK	1	360	20.12	19.82	19.68	20.25	20.53					
5	QPSK	1	400	20.15	19.80	19.65	20.17	20.45				21.1	0
5	QPSK	1	440	20.12	19.71	19.51	20.25	20.46					
5	QPSK	1	480	20.18	19.72	19.58	20.21	20.42				21.1	0
5	QPSK	1	520	20.04	19.72	19.66	20.30	20.60					
5	QPSK	1	560	20.06	19.80	19.68	20.11	20.49				21.1	0
5	QPSK	1	600	20.13	19.86	19.64	20.24	20.52					
5	QPSK	1	640	20.11	19.80	19.68	20.21	20.58				21.1	0
5	QPSK	1	680	20.19	19.81	19.65	20.08	20.50					
5	QPSK	1	720	20.17	19.83	19.68	20.30	20.54				21.1	0
5	QPSK	1	760	20.09	19.77	19.52	20.08	20.55					
5	QPSK	1	800	20.11	19.81	19.57	20.31	20.58				21.1	0
5	QPSK	1	840	20.18	19.78	19.70	20.17	20.63					
5	QPSK	1	880	20.20	19.84	19.62	20.30	20.59				21.1	0
5	QPSK	1	920	20.13	19.77	19.69	20.07	20.41					
5	QPSK	1	960	20.09	19.83	19.58	20.25	20.52					

Band 41_Ant 1	
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Part 27Q_Band 42_Ant 7										
RF Modulation	RF Rate	RF Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up (min)	MFR (dB)			
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.13	15.47	15.30				
20	QPSK	1	49	15.17	15.30	15.22	17	0		
20	QPSK	1	99	15.11	15.25	15.00				
20	QPSK	50	0	15.19	15.29	15.20				
20	QPSK	50	24	15.24	15.36	15.15				
20	QPSK	50	50	15.19	15.26	15.13	17	0		
20	16QAM	1	0	15.19	15.29	15.20				
20	16QAM	1	49	15.17	15.26	15.07	17	0		
20	16QAM	1	99	15.21	15.30	15.24				
20	16QAM	50	0	15.22	15.36	15.15				
20	16QAM	50	24	15.28	15.37	15.16				
20	16QAM	50	50	15.29	15.36	15.21	17	0		
20	16QAM	100	0	15.25	15.38	15.23				
20	16QAM	100	0	15.12	15.29	15.03				
20	16QAM	1	49	15.19	15.28	15.29				
20	16QAM	1	99	15.23	15.30	15.12				
20	16QAM	1	49	15.20	15.26	15.14				
20	16QAM	50	24	15.21	15.36	15.28	17	0		
20	16QAM	50	50	15.25	15.38	15.25				
20	16QAM	100	0	15.11	15.02	15.13				
20	256QAM	1	0	15.27	15.31	15.27				
20	256QAM	1	49	15.20	15.26	15.14	17	0		
20	256QAM	1	99	15.21	15.26	15.02				
20	256QAM	50	0	15.23	15.27	15.12				
20	256QAM	50	24	15.27	15.33	15.16				
20	256QAM	50	50	15.28	15.37	15.28	17	0		
20	256QAM	100	0	15.11	15.07	15.10				
Channel										
Frequency (MHz)										
16	QPSK	1	0	15.17	15.28	15.11				
16	QPSK	1	37	15.18	15.18	15.14	17	0		
16	QPSK	1	74	15.02	15.14	15.08				
16	QPSK	36	0	15.07	15.18	15.09				
16	QPSK	36	20	15.18	15.29	15.14				
16	QPSK	36	50	15.13	15.27	15.12				
16	16QAM	1	0	15.28	15.16	15.04				
16	16QAM	1	37	15.13	15.21	15.07	17	0		
16	16QAM	1	74	15.18	15.20	15.17				
16	16QAM	36	0	15.16	15.23	15.12				
16	16QAM	36	20	15.03	15.17	15.00				
16	16QAM	36	50	15.24	15.23	15.18				
16	16QAM	75	0	15.20	15.24	15.06				
16	16QAM	1	0	15.05	15.21	15.12				
16	16QAM	1	37	15.12	15.15	15.22	17	0		
16	16QAM	1	74	15.19	15.13	15.01				
16	16QAM	36	0	15.17	15.18	15.24				
16	16QAM	36	20	15.22	15.19	15.25				
16	16QAM	36	50	15.17	15.20	15.01				
16	16QAM	75	0	15.17	15.20	15.01				
Channel										
Frequency (MHz)										
16	QPSK	1	0	15.23	15.33	15.20				
16	QPSK	1	25	15.07	15.29	15.14	17	0		
16	QPSK	1	50	15.23	15.14	15.08				
16	QPSK	25	0	15.18	15.18	15.07				
16	QPSK	25	12	15.26	15.34	15.12				
16	QPSK	25	25	15.16	15.13	15.01				
16	QPSK	50	0	15.11	15.21	15.16				
16	16QAM	1	0	15.23	15.34	15.25				
16	16QAM	1	24	15.08	15.14	15.04	17	0		
16	16QAM	1	49	15.18	15.28	15.17				
16	16QAM	25	0	15.15	15.28	15.13				
16	16QAM	25	12	15.14	15.18	15.09				
16	16QAM	25	25	15.11	15.20	15.07				
16	16QAM	50	0	15.11	15.20	15.07				
16	16QAM	50	12	15.13	15.24	15.12				
16	16QAM	50	24	15.17	15.29	15.16				
16	16QAM	50	49	15.10	15.18	15.07				
16	16QAM	1	49	15.10	15.26	15.07	17	0		
16	16QAM	25	0	15.11	15.20	15.07				
16	16QAM	25	12	15.17	15.29	15.16				
16	16QAM	25	25	15.17	15.34	15.09				
16	16QAM	50	0	15.14	15.23	15.09				
16	16QAM	50	12	15.20	15.33	15.21				
16	256QAM	1	0	15.26	15.32	15.24	17	0		
16	256QAM	1	25	15.09	15.32	15.14				
16	256QAM	1	50	15.16	15.24	15.20				
16	256QAM	25	0	15.10	15.28	15.14				
16	256QAM	25	25	15.17	15.22	15.11				
16	256QAM	50	0	15.07	15.19	15.11				

Part 96_Band 42_Ant 7										
RF BW (MHz)	Modulation	RF Rate (kbaud)	RF Offset (MHz)	Power Low Ch / Freq (dBm)	Power Mid Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Time-up (min)	Turn-off (min)	Turn-on (min)	Turn-off (min)
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.20	15.48	15.24				
20	QPSK	1	49	15.04	15.27	15.08	17	0		
20	QPSK	50	0	15.25	15.33	15.15				
20	QPSK	50	24	15.17	15.32	15.12				
20	QPSK	50	50	15.15	15.18	15.16	17	0		
20	16QAM	1	0	15.13	15.20	15.06				
20	16QAM	1	49	15.13	15.13	15.13	17	0		
20	16QAM	50	0	15.11	15.23	15.07				
20	16QAM	50	24	15.12	15.16	15.09				
20	16QAM	50	50	15.25	15.27	15.21	17	0		
20	16QAM	100	0	15.14	15.31	15.20				
20	16QAM	100	0	15.05	15.24	15.10				
20	16QAM	1	49	15.14	15.21	15.28				
20	16QAM	1	99	15.08	15.15	15.00				
20	16QAM	50	0	15.06	15.23	15.08				
20	16QAM	50	24	15.07	15.25	15.18	17	0		
20	16QAM	50	50	15.11	15.32	15.05				
20	16QAM	100	0	15.07	15.11	15.03				
20	256QAM	1	0	15.22	15.23	15.22				
20	256QAM	1	49	15.06	15.13	15.08	17	0		
20	256QAM	1	99	15.09	15.12	15.20				
20	256QAM	50	0	15.15	15.29	15.21				
20	256QAM	50	24	15.15	15.29	15.21				
20	256QAM	50	50	15.24	15.26	15.08	17	0		
20	256QAM	100	0	15.11	15.07	15.10				
Channel										
Frequency (MHz)										
16	QPSK	1	0	15.16	15.16	15.12				
16	QPSK	1	37	15.05	15.17	15.12	17	0		
16	QPSK	1	74	15.07	15.18	15.18				
16	QPSK	36	0	15.18	15.32	15.09				
16	QPSK	36	20	15.26	15.37	15.03				
16	QPSK	36	50	15.09	15.27	15.18				
16	16QAM	1	0	15.29	15.18	15.16				
16	16QAM	1	37	15.13	15.19	15.13	17	0		
16	16QAM	1	74	15.10	15.15	15.23				
16	16QAM	36	0	15.08	15.23	15.10				
16	16QAM	36	20	15.09	15.13	15.20				
16	16QAM	36	50	15.20	15.33	15.22				
16	16QAM	75	0	15.03	15.14	15.17				
16	16QAM	1	0	15.18	15.24	15.19	17	0		
16	16QAM	1	37	15.15	15.18	15.10				
16	16QAM	1	74	15.12	15.21	15.09				
16	16QAM	36	0	15.18	15.27	15.20				
16	16QAM	36	20	15.14	15.24	15.16				
16	16QAM	36	50	15.07	15.19	15.18				
Channel										
Frequency (MHz)										
16	QPSK	1	0	15.24	15.43	15.12				
16	QPSK	1	25	15.08	15.24	15.11	17	0		
16	QPSK	1	50	15.23	15.16	15.08				
16	QPSK	25	0	15.23	15.36	15.08				
16	QPSK	25	12	15.20	15.24	15.05				
16	QPSK	25	25	15.16	15.13	15.02				
16	QPSK	50	0	15.15	15.32	15.16				
16	16QAM	1	0	15.14	15.35	15.04				
16	16QAM	1	24	15.03	15.26	15.03	17	0		
16	16QAM	1	49	15.13	15.19	15.13				
16	16QAM	1	74	15.10	15.15	15.23				
16	16QAM	36	0	15.08	15.23	15.10				
16	16QAM	36	20	15.09	15.13	15.20				
16	16QAM	36	50	15.20	15.33	15.22				
16	16QAM	75	0	15.03	15.14	15.17				
16	16QAM	1	0	15.18	15.24	15.19	17	0		
16	16QAM	1	37	15.15	15.18	15.10				
16	16QAM	1	74	15.12	15.21	15.09				
16	16QAM	36	0	15.18	15.27	15.20				
16	16QAM	36	20	15.14	15.24	15.16				
16	16QAM	36	50	15.07	15.19	15.18				
16	256QAM	1	0	15.22	15.23	15.22				
16	256QAM	1	49	15.06	15.13	15.08	17	0		
16	256QAM	1	99	15.09	15.12	15.20				
16	256QAM	50	0	15.15	15.29	15.21				
16	256QAM	50	24	15.15	15.29	15.21				
16	256QAM	50	50	15.24	15.26	15.08	17	0		
16	256QAM	100	0	15.11	15.07	15.10				
Channel										
Frequency (MHz)										
8	QPSK	1	0	15.17	15.32	15.11				
8	QPSK	1	12	15.16	15.29	15.09	17	0		
8	QPSK	1	24	15.04	15.11	15.14				
8	QPSK	12	0	15.21	15.34	15.12				
8	QPSK	12	6	15.24	15.35	15.04				
8	QPSK	12	13	15.18	15.12	15.07				
8	16QAM	1	0	15.14	15.34	15.16				
8	16QAM	1	6	15.23	15.18	15.06				
8	16QAM	12	0	15.16	15.19	15.08				
8	16QAM	12	6	15.12	15.21	15.01				
8	16QAM	12	13	15.08	15.11	15.12	17	0		
8	16QAM	25	0	15.16	15.25	15.09				
8	16QAM	25	6	15.22	15.24	15.02				
8	16QAM	1	12	15.08	15.22	15.25	17	0		
8	16QAM	1	24	15.11	15.29	15.02				
8	16QAM	12	0	15.11	15.29	15.18				
8	16QAM	12	7	15.06	15.31	15.23	17	0		
8	16QAM	12	14	15.11	15.31	15.01				
8	16QAM	25	0	15.09	15.19	15.08				
8	256QAM	1	0	15.24	15.20	15.12				
8	256QAM	1	6	15.16	15.24	15.02	17	0		
8	256QAM	12	0	15.16	15.15	15.08				
8	256QAM	12	7	15.22	15.27	15.22				
8	256QAM	12	13	15.13	15.21	15.14	17	0		
8	256QAM	12	13	15.14	15.20	15.12				

Reduced Power Mode for ECI 4

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	31.64	31.78	31.65	33.50	22.64	22.78	22.65	24.50
GSM 1 Tx slot	31.65	31.75	31.71	33.50	22.65	22.75	22.71	24.50
GPRS 2 Tx slots	30.86	30.99	30.82	32.50	24.86	24.99	24.82	26.50
GPRS 3 Tx slots	28.98	29.17	29.06	30.50	24.72	24.91	24.80	26.24
GPRS 4 Tx slots	28.00	28.10	27.92	29.50	25.00	25.10	24.92	26.50
EDGE 1 Tx slot	26.52	26.53	26.41	27.50	17.52	17.53	17.41	18.50
EDGE 2 Tx slots	25.27	25.40	25.22	26.00	19.27	19.40	19.22	20.00
EDGE 3 Tx slots	22.77	22.88	22.82	24.00	18.51	18.62	18.56	19.74
EDGE 4 Tx slots	21.25	21.31	21.13	22.50	18.25	18.31	18.13	19.50

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	29.11	29.28	29.24	30.50	20.11	20.28	20.24	21.50
GSM 1 Tx slot	29.03	29.21	29.16	30.50	20.03	20.21	20.16	21.50
GPRS 2 Tx slots	28.36	28.43	28.27	29.50	22.36	22.43	22.27	23.50
GPRS 3 Tx slots	26.57	26.63	26.49	27.50	22.31	22.37	22.23	23.24
GPRS 4 Tx slots	25.52	25.55	25.48	26.50	22.52	22.55	22.48	23.50
EDGE 1 Tx slot	25.95	25.99	25.88	26.50	16.95	16.99	16.88	17.50
EDGE 2 Tx slots	24.88	24.92	24.81	25.50	18.88	18.92	18.81	19.50
EDGE 3 Tx slots	22.66	22.82	22.69	23.50	18.40	18.56	18.43	19.24
EDGE 4 Tx slots	21.41	21.55	21.50	22.50	18.41	18.55	18.50	19.50

Band		WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.65	22.70	22.62	24.00	22.76	22.80	22.72	24.00	22.45	22.50	22.42	24.00
3GPP Rel 99	RMC 12.2Kbps	22.70	22.73	22.67	24.00	22.80	22.83	22.78	24.00	22.47	22.53	22.45	24.00
3GPP Rel 6	HSDPA Subtest-1	21.71	21.68	21.78	23.00	21.92	21.84	21.82	23.00	21.58	21.53	21.50	23.00
3GPP Rel 6	HSDPA Subtest-2	21.67	21.63	21.78	23.00	21.84	21.86	21.80	23.00	21.55	21.53	21.48	23.00
3GPP Rel 6	HSDPA Subtest-3	21.15	21.13	21.35	22.50	21.35	21.36	21.34	22.50	21.07	21.09	21.02	22.50
3GPP Rel 6	HSDPA Subtest-4	21.17	21.08	21.25	22.50	21.34	21.37	21.30	22.50	21.02	20.99	21.03	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.56	21.59	21.69	23.00	21.82	21.64	21.68	23.00	21.46	21.48	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.53	21.57	21.68	23.00	21.66	21.68	21.76	23.00	21.54	21.34	21.47	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.01	21.34	22.50	21.34	21.28	21.24	22.50	20.87	20.98	20.99	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.16	20.94	21.08	22.50	21.32	21.22	21.17	22.50	20.82	20.98	21.00	22.50
3GPP Rel 6	HSUPA Subtest-1	19.69	19.69	19.69	21.00	19.85	19.87	19.84	21.00	19.35	19.54	19.42	21.00
3GPP Rel 6	HSUPA Subtest-2	19.68	19.65	19.68	20.50	19.88	19.82	19.86	20.50	19.39	19.39	19.42	20.50
3GPP Rel 6	HSUPA Subtest-3	20.72	20.71	20.71	21.50	20.90	20.90	20.87	21.50	20.57	20.50	20.42	21.50
3GPP Rel 6	HSUPA Subtest-4	19.19	19.15	19.21	20.50	19.44	19.38	19.33	20.50	19.03	19.04	19.08	20.50
3GPP Rel 6	HSUPA Subtest-5	20.70	20.70	20.80	22.50	20.90	20.90	20.80	22.50	20.61	20.53	20.68	22.50

Band 2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	Turn-up rate (dB)	MPR (dB)	
Channel									
				18700	18900	19100			
Frequency (MHz)									
20	QPSK	1	0	22.30	22.30	22.30	24	0	
20	QPSK	1	49	22.40	22.48	22.48			
20	QPSK	1	99	22.54	22.64	22.64			
20	QPSK	50	0	21.30	21.30	21.30	23	1	
20	QPSK	50	24	21.32	21.32	21.40			
20	QPSK	100	0	21.38	21.38	21.40			
20	HQAM	1	0	21.40	21.40	21.40	23	1	
20	HQAM	1	49	21.50	21.50	21.29			
20	HQAM	50	24	20.34	20.42	20.33			
20	HQAM	50	50	20.38	20.38	20.33	22	2	
20	HQAM	100	0	20.34	20.34	20.33			
20	HQAM	1	99	20.51	20.50	20.31			
20	HQAM	50	0	19.36	19.27	19.30	21	3	
20	HQAM	50	24	19.34	19.34	19.29			
20	HQAM	50	50	19.33	19.34	19.30			
20	HQAM	100	0	19.36	19.36	19.26	19	5	
20	25QAM	1	0	17.17	17.20	17.17			
20	25QAM	1	49	17.12	17.20	17.23			
20	25QAM	50	0	17.08	17.20	17.18	19	5	
20	25QAM	50	24	17.08	17.19	17.17			
20	25QAM	100	0	17.07	17.20	17.18			
Channel									
				18675	18800	19025			
Frequency (MHz)									
16	QPSK	1	0	22.54	22.50	22.24	24	0	
16	QPSK	1	37	22.46	22.47	22.44			
16	QPSK	1	74	22.41	22.44	22.44			
16	QPSK	38	0	21.28	21.38	21.38	23	1	
16	QPSK	38	20	21.18	21.23	21.22			
16	QPSK	75	0	21.21	21.29	21.23			
16	HQAM	1	0	21.42	21.28	21.22	23	1	
16	HQAM	1	37	21.44	21.32	21.29			
16	HQAM	1	74	21.48	21.40	21.27			
16	HQAM	38	0	20.32	20.24	20.31	22	2	
16	HQAM	38	20	20.25	20.24	20.14			
16	HQAM	38	39	20.24	20.27	20.28			
16	HQAM	75	0	20.28	20.29	20.16	21	3	
16	HQAM	75	0	20.33	20.43	20.37			
16	HQAM	1	37	20.26	20.38	20.52			
16	HQAM	1	74	20.34	20.31	20.24	22	2	
16	HQAM	36	0	19.25	19.11	19.23			
16	HQAM	36	0	19.25	19.15	19.27			
16	HQAM	36	39	19.15	19.15	19.17	21	3	
16	HQAM	75	0	19.26	19.18	19.21			
16	HQAM	1	37	19.19	19.23	19.16			
16	25QAM	1	74	17.16	17.19	17.16	19	5	
16	25QAM	36	0	17.03	17.21	17.16			
16	25QAM	36	20	17.19	17.22	17.07			
16	25QAM	75	0	17.20	17.15	17.11	19	5	
16	25QAM	75	0	17.20	17.15	17.11			
Channel									
				18650	18900	19100			
Frequency (MHz)									
16	QPSK	1	0	22.56	22.45	22.47	24	0	
16	QPSK	1	25	22.20	22.42	22.50			
16	QPSK	1	49	22.51	22.28	22.34			
16	QPSK	25	0	21.30	21.26	21.28	23	1	
16	QPSK	25	12	21.08	21.19	21.25			
16	QPSK	50	0	21.35	21.31	21.20			
16	HQAM	1	0	21.46	21.31	21.21	23	1	
16	HQAM	1	25	21.42	21.18	21.14			
16	HQAM	1	49	21.53	21.40	21.28			
16	HQAM	25	0	20.35	20.28	20.26	22	2	
16	HQAM	25	12	20.27	20.31	20.31			
16	HQAM	25	25	20.18	20.19	20.21			
16	HQAM	50	0	20.43	20.39	20.17	22	2	
16	HQAM	50	0	20.33	20.33	20.10			
16	HQAM	25	0	19.34	19.07	19.25			
16	HQAM	25	12	19.32	19.33	19.26	21	3	
16	HQAM	25	25	19.22	19.15	19.31			
16	HQAM	50	0	19.25	19.23	19.23			
16	HQAM	50	0	17.06	17.17	17.15	19	5	
16	25QAM	1	25	17.18	17.16	17.18			
16	25QAM	1	49	17.21	17.24	17.21			
16	25QAM	25	0	17.15	17.20	17.14	19	5	
16	25QAM	25	12	17.08	17.09	17.23			
16	25QAM	25	25	17.18	17.21	17.23			
Channel									
				18625	18900	19100			
Frequency (MHz)									
5	QPSK	1	0	22.45	22.45	22.39	24	0	
5	QPSK	1	12	22.27	22.40	22.40			
5	QPSK	1	24	22.34	22.35	22.40			
5	QPSK	12	0	21.24	21.40	21.23	23	1	
5	QPSK	12	7	21.15	21.30	21.25			
5	QPSK	12	13	21.22	21.23	21.23			
5	QPSK	25	0	21.36	21.33	21.16	23	1	
5	QPSK	25	0	21.29	21.37	21.25			
5	HQAM	1	0	21.36	21.23	21.25			
5	HQAM	1	24	21.41	21.31	21.21	23	1	
5	HQAM	12	0	20.36	20.27	20.17			
5	HQAM	12	7	20.25	20.32	20.22	22	2	
5	HQAM	12	13	20.35	20.28	20.20			
5	HQAM	25	0	20.35	20.28	20.20			
5	HQAM	1	0	20.38	20.43	20.27	22	2	
5	HQAM	1	12	20.39	20.37	20.12			
5	HQAM	1	24	20.33	20.44	20.11			
5	HQAM	12	0	19.12	19.12	19.12	21	3	
5	HQAM	12	7	19.19	19.26	19.10			
5	HQAM	12	13	19.22	19.32	19.20			
5	HQAM	25	0	19.15	19.23	19.09	21	3	
5	HQAM	25	0	17.15	17.23	17.18			
5	25QAM	1	0	17.15	17.17	17.21			
5	25QAM	1	49	17.21	17.24	17.21	19	5	
5	25QAM	1	99	17.15	17.11	17.21			
5	25QAM	12	0	17.12	17.24	17.08			
5	25QAM	12	7	17.21	17.17	17.23	19	5	
5	25QAM	12	13	17.08	17.13	17.11			
5	25QAM	25	0	17.16	17.22	17.21			
Channel									
				18615	18900	19100			
Frequency (MHz)									
3	QPSK	1	0	22.54	22.44	22.34	24	0	
3	QPSK	1	8	22.52	22.37	22.43			
3	QPSK	1	14	22.35	22.24	22.44			
3	QPSK	8	0	21.26	21.20	21.21	23	1	
3	QPSK	8	4	21.26	21.20	21.21			
3	QPSK	8	7	21.40	21.25	21.15			
3	HQAM	1	0	21.28	21.23	21.15	23	1	
3	HQAM	1	8	21.38	21.24	21.15			
3	HQAM	1	14	21.41	21.36	21.23	23	1	
3	HQAM	1	21	21.39	21.29	21.19			
3	HQAM	8	0	20.26	20.20	20.28			
3	HQAM	8	4	20.26	20.20	20.28	22	2	
3	HQAM	8	7	20.40	20.25	20.28			
3	HQAM	15	0	20.15	20.22	20.24			
3	HQAM	1	0	20.33	20.28	20.15	22	2	
3	HQAM	1	8	20.33	20.43	20.34			
3	HQAM	1	14	20.14	20.20	20.26			
3	HQAM	8	0	19.16	19.27	19.14	21	3	
3	HQAM	8	4	19.16	19.34	19.24			
3	HQAM	8	7	19.28	19.13	19.21			
3	HQAM	15	0	19.15	19.21	19.15	21	3	
3	HQAM	15	0	17.18	17.12	17.16			
3	25QAM	1	0	17.07	17.10	17.15			
3	25QAM	1	8	17.17	17.19	17.14	19	5	
3	25QAM	1	14	17.12	17.23	17.18			
3	25QAM	8	0	17.06	17.23	17.23			
3	25QAM	8	4	17.06	17.22	17.23	19	5	
3	25QAM	8	7	17.08	17.17	17.18			
3	25QAM	15	0	17.09	17.21	17.23			
Channel									
				18607	18800	19065			
Frequency (MHz)									
1.4	QPSK	1	0	22.40	22.54	22.49	24	0	
1.4	QPSK	1	8	22.40	22.33	22.33			
1.4	QPSK	1	16	22.40	22.29	22.47			
1.4	QPSK	1	5	22.47	22.37	22.33	23	1	
1.4	QPSK	1	11	22.47	22.39	22.37			
1.4	QPSK	3	0	21.48	21.38	21.40			
1.4	HQAM	1	0	21.48	21.37	21.40	23	1	
1.4	HQAM	1	5	21.45	21.45	21.44			
1.4	HQAM	3	0	21.50	21.29	21.29			
1.4	HQAM	1	16	21.50	21.16	21.29	22	2	
1.4	HQAM	3	0	20.26	20.25	20.19			
1.4	HQAM	3	16	20.26	20.25	20.19			
1.4	HQAM	1	0	20.31	20.47	20.29	22	2	
1.4	HQAM	1	5	20.46	20.46	20.18			
1.4	HQAM	1	11	20.39	20.19	20.28			
1.4	HQAM	3	0	20.14	20.20	20.26	21	3	
1.4	HQAM	3	0	19.17	19.25	19.27			
1.4	HQAM	3	16	19.17	19.18	19.15			
1.4	25QAM	1	0	17.07	17.10	17.15	19	5	
1.4	25QAM	1	8	17.15	17.08	17.14			
1.4	25QAM	1	16	17.10	17.19	17.15			
1.4	25QAM	3	0	17.12	17.25	17.10	19	5	
1.4	25QAM	3	8	17.11	17.17	17.17			
1.4	25QAM	3	16	17.12	17.20	17.20			

Band 4_Ant 2													
RF [MHz]	Modulation	RF Band	RF Offset	Power Low [dBm]	Power Med [dBm]	Power High [dBm]	Turn-on [min]	Turn-off [min]	MPR (dB)				
Channel										20000	20075	20050	17250
Frequency (MHz)													
20	QPSK	1	0	22.05	22.75	22.50	24	0					
20	QPSK	1	40	22.05	22.75	22.50	24	0					
20	QPSK	1	80	22.05	22.75	22.50	24	0					
20	QPSK	50	0	21.45	21.48	21.42	23	1					
20	QPSK	50	24	21.46	21.48	21.42	23	1					
20	QPSK	50	48	21.47	21.48	21.42	23	1					
20	QPSK	100	0	20.51	20.52	20.40	22	2					
20	16QAM	1	40	21.72	21.80	21.85	23	1					
20	16QAM	1	99	21.73	21.83	21.87	23	1					
20	16QAM	50	0	20.81	20.80	20.40	22	2					
20	16QAM	50	24	20.86	20.84	20.45	22	2					
20	16QAM	50	48	20.84	20.85	20.45	22	2					
20	16QAM	100	0	20.47	20.48	20.40	22	2					
20	16QAM	50	0	19.82	19.82	19.45	21	3					
20	16QAM	50	24	19.84	19.84	19.44	21	3					
20	16QAM	50	48	19.86	19.81	19.46	21	3					
20	25QAM	100	0	18.52	18.51	18.45	19	5					
20	25QAM	1	0	17.19	17.18	17.17	19	5					
20	25QAM	1	40	17.08	17.20	17.17	19	5					
20	25QAM	1	80	17.00	17.20	17.00	19	5					
20	25QAM	50	0	17.27	17.13	17.13	19	5					
20	25QAM	50	24	17.18	17.15	17.17	19	5					
20	25QAM	50	48	17.19	17.17	17.17	19	5					
20	25QAM	100	0	17.09	17.25	17.09	19	5					
Channel										1717.5	1722.5	1747.5	1749.5
Frequency (MHz)													
15	QPSK	1	0	22.08	22.59	22.53	24	0					
15	QPSK	1	40	22.04	22.59	22.53	24	0					
15	QPSK	1	74	22.36	22.59	22.53	24	0					
15	QPSK	36	0	21.39	21.48	21.39	23	1					
15	QPSK	36	36	21.31	21.48	21.39	23	1					
15	QPSK	75	0	21.52	21.60	21.54	23	1					
15	QPSK	75	36	21.41	21.60	21.52	23	1					
15	16QAM	1	37	21.53	21.42	21.38	23	1					
15	16QAM	1	74	21.87	21.42	21.43	23	1					
15	16QAM	36	0	20.55	20.45	20.36	22	2					
15	16QAM	36	25	20.40	20.43	20.29	22	2					
15	16QAM	36	75	20.37	20.49	20.42	22	2					
15	16QAM	75	0	20.51	20.33	20.34	22	2					
15	16QAM	75	36	20.46	20.38	20.48	22	2					
15	16QAM	1	37	20.54	20.38	20.48	22	2					
15	16QAM	1	74	20.68	20.33	20.41	21	3					
15	16QAM	36	0	19.64	19.47	19.47	21	3					
15	16QAM	36	25	19.38	19.32	19.41	21	3					
15	16QAM	36	75	19.38	19.43	19.41	21	3					
15	25QAM	1	0	17.00	17.00	17.00	19	5					
15	25QAM	1	40	17.26	17.18	17.22	19	5					
15	25QAM	1	80	17.19	17.21	17.21	19	5					
15	25QAM	50	0	17.22	17.30	17.07	19	5					
15	25QAM	36	0	17.04	17.21	17.05	19	5					
Channel										1717.5	1722.5	1750.5	1750.5
Frequency (MHz)													
10	QPSK	1	0	22.01	22.47	22.50	24	0					
10	QPSK	1	40	22.39	22.46	22.50	24	0					
10	QPSK	1	80	22.41	22.46	22.50	24	0					
10	QPSK	25	0	21.33	21.38	21.27	23	1					
10	QPSK	25	25	21.30	21.28	21.34	23	1					
10	QPSK	25	50	21.33	21.28	21.30	23	1					
10	16QAM	1	0	21.65	21.48	21.50	23	1					
10	16QAM	1	25	21.27	21.48	21.47	23	1					
10	16QAM	1	50	21.53	21.45	21.45	23	1					
10	16QAM	25	0	20.56	20.44	20.31	22	2					
10	16QAM	25	25	20.42	20.46	20.30	22	2					
10	16QAM	25	50	20.40	20.42	20.33	22	2					
10	16QAM	50	0	20.39	20.30	20.30	22	2					
10	16QAM	50	25	20.34	20.39	20.28	22	2					
10	16QAM	1	25	20.70	20.55	20.60	22	2					
10	16QAM	1	50	20.65	20.58	20.60	22	2					
10	16QAM	25	0	19.90	19.33	19.34	21	3					
10	16QAM	25	25	19.39	19.36	19.43	21	3					
10	16QAM	25	50	19.38	19.36	19.40	21	3					
10	25QAM	1	0	17.16	17.14	17.17	19	5					
10	25QAM	1	25	17.26	17.14	17.08	19	5					
10	25QAM	1	49	17.21	17.23	17.26	19	5					
10	25QAM	1	74	17.03	17.24	17.03	19	5					
10	25QAM	25	0	17.09	17.21	17.11	19	5					
10	25QAM	25	25	17.18	17.21	17.21	19	5					
10	25QAM	25	50	17.22	17.21	17.20	19	5					
10	25QAM	50	0	17.22	17.22	17.22	19	5					
Channel										1667.5	1672.5	1697.5	1697.5
Frequency (MHz)													
5	QPSK	1	0	22.24	22.40	22.40	24	0					
5	QPSK	1	24	22.44	22.40	22.52	24	0					
5	QPSK	1	48	22.41	22.43	22.50	24	0					
5	QPSK	12	0	21.41	21.43	21.43	23	1					
5	QPSK	12	7	21.46	21.41	21.34	23	1					
5	QPSK	12	14	21.35	21.41	21.45	23	1					
5	QPSK	25	0	21.35	21.51	21.34	23	1					
5	16QAM	1	0	21.58	21.52	21.51	23	1					
5	16QAM	1	24	21.64	21.52	21.50	23	1					
5	16QAM	12	0	20.44	20.41	20.40	22	2					
5	16QAM	12	7	20.57	20.34	20.44	22	2					
5	16QAM	12	14	20.49	20.39	20.25	22	2					
5	16QAM	25	0	20.65	20.38	20.40	22	2					
5	16QAM	1	0	20.84	20.70	20.70	22	2					
5	16QAM	1	12	20.80	20.60	20.60	22	2					
5	16QAM	1	24	20.83	20.64	20.63	22	2					
5	16QAM	12	0	19.90	19.44	19.34	21	3					
5	16QAM	12	7	19.93	19.46	19.36	21	3					
5	16QAM	12	14	19.30	19.38	19.31	21	3					
5	16QAM	25	0	19.32	19.41	19.32	21	3					
5	16QAM	25	12	19.19	17.17	17.07	19	5					
5	25QAM	1	0	17.16	17.16	17.16	19	5					
5	25QAM	1	12	17.24	17.14	17.10	19	5					
5	25QAM	12	0	17.16	17.18	17.21	19	5					
5	25QAM	12	7	17.15	17.22	17.16	19	5					
5	25QAM	12	14	17.21	17.31	17.09	19	5					
5	25QAM	25	0	17.23	17.13	17.11	19	5					
5	25QAM	25	0	17.26	17.20	17.14	19	5					
Channel										1717.5	1672.5	1704.5	1704.5
Frequency (MHz)													
1.4	QPSK	1	0	22.48	22.87	22.88	24	0					
1.4	QPSK	1	8	22.52	22.80	22.43	24	0					
1.4	QPSK	1	24	22.44	22.82	22.82	24	0					
1.4	QPSK	8	0	21.41	21.43	21.38	23	1					
1.4	QPSK	8	8	21.46	21.43	21.43	23	1					
1.4	QPSK	8	16	21.39	21.41	21.32	23	1					
1.4	QPSK	15	0	21.44	21.35	21.33	23	1					
1.4	16QAM	1	0	21.63	21.48	21.48	23	1					
1.4	16QAM	1	8	21.51	21.58	21.48	23	1					
1.4	16QAM	1	14	21.86	21.49	21.49	23	1					
1.4	16QAM	8	0	20.69	20.29	20.43	22	2					
1.4	16QAM	8	4	20.57	20.24	20.43	22	2					
1.4	16QAM	8	8	20.58	20.29	20.43	22	2					
1.4	16QAM	15	0	20.39	20.38	20.25	21	3					
1.4	16QAM	1	0	20.61	20.61	20.60	22	2					

Band 5_Ant 1										
BW (MHz)	Modulation	RIS Size	RF Offset	Power Low (dBm)	Power Mids (dBm)	Power High (dBm)	Turn-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20460	20500	20600				
10	QPSK	1	0	22.14	22.20	22.17				
10	QPSK	1	26	22.10	22.18	22.15	24	0		
10	QPSK	1	49	22.07	22.17	22.13				
10	QPSK	25	0	21.13	21.18	21.12				
10	QPSK	25	23	21.09	21.18	21.12	23	1		
10	QPSK	50	0	21.30	21.26	21.16				
10	16QAM	1	0	21.44	21.43	21.51				
10	16QAM	1	26	21.46	21.55	21.43	23	1		
10	16QAM	50	0	21.42	21.47	21.47				
10	16QAM	25	0	20.10	20.26	20.13				
10	16QAM	25	12	20.12	20.22	20.16	22	2		
10	16QAM	50	0	20.11	20.26	20.10				
10	16QAM	50	23	20.03	20.25	20.08				
10	16QAM	1	49	20.08	20.37	20.46				
10	256QAM	1	0	19.04	19.22	19.15				
10	256QAM	1	26	19.03	19.22	19.13	21	3		
10	256QAM	25	0	18.15	18.25	18.17				
10	256QAM	25	12	18.16	18.26	18.18				
10	256QAM	50	0	17.15	17.27	17.15				
10	256QAM	50	23	17.16	17.27	17.11	19	5		
10	256QAM	1	49	17.18	17.18	17.08				
10	256QAM	25	0	17.12	17.14	17.14				
10	256QAM	25	12	17.12	17.10	17.10	19	5		
10	256QAM	25	23	17.17	17.09	17.04				
10	256QAM	50	0	17.12	17.11	17.06				
Channel										
Frequency (MHz)				20465	20505	20605	Turn-up (dBm)	MPR (dB)		
5	QPSK	1	0	22.11	22.05	22.10				
5	QPSK	1	12	22.05	22.05	22.05	24	0		
5	QPSK	1	24	22.14	22.10	22.10				
5	QPSK	12	7	21.61	21.10	21.07				
5	QPSK	12	13	21.02	21.14	21.06	23	1		
5	QPSK	25	0	21.05	21.10	21.01				
5	QPSK	25	0	21.23	21.39	21.31				
5	QPSK	25	12	21.24	21.43	21.35	23	1		
5	QPSK	50	0	21.31	21.42	21.44				
5	16QAM	1	0	20.20	20.06	20.07				
5	16QAM	1	12	20.17	20.21	20.13	22	2		
5	16QAM	1	24	20.20	20.13	20.14				
5	16QAM	12	0	19.07	19.22	19.08				
5	16QAM	12	7	19.07	19.22	19.08	21	3		
5	16QAM	25	0	19.16	19.07	19.09				
5	16QAM	25	12	19.17	19.08	19.09				
5	16QAM	1	12	17.03	17.14	17.15	19	5		
5	256QAM	1	24	17.19	17.18	17.05				
5	256QAM	12	0	17.02	17.18	17.08				
5	256QAM	12	7	17.09	17.14	17.02	19	5		
5	256QAM	12	13	17.12	17.04	17.04				
Channel										
Frequency (MHz)				20465	20505	20605	Turn-up (dBm)	MPR (dB)		
3	QPSK	1	0	22.19	22.17	22.19				
3	QPSK	1	8	22.13	22.16	22.06	24	0		
3	QPSK	8	0	22.16	22.16	22.16				
3	QPSK	8	0	21.17	21.15	21.10				
3	QPSK	8	4	21.03	21.00	21.17	23	1		
3	QPSK	15	0	21.07	21.09	21.10				
3	QPSK	15	0	21.15	21.12	21.05				
3	16QAM	1	8	21.48	21.44	21.40	23	1		
3	16QAM	1	14	21.37	21.36	21.37				
3	16QAM	8	0	20.16	20.15	20.14				
3	16QAM	8	4	20.14	20.11	20.02	22	2		
3	16QAM	8	7	20.15	20.15	20.19				
3	16QAM	15	0	20.16	20.24	20.09				
3	16QAM	1	0	20.18	20.16	20.10	22	2		
3	16QAM	1	14	20.20	20.24	20.25				
3	16QAM	8	0	19.14	19.22	19.17				
3	16QAM	8	4	19.08	19.09	19.08	21	3		
3	16QAM	8	7	19.09	19.07	19.06				
3	16QAM	15	0	19.12	19.04	19.14				
3	256QAM	1	14	17.01	17.10	17.10				
3	256QAM	1	8	17.02	17.18	17.13	19	5		
3	256QAM	1	14	17.01	17.24	17.15				
3	256QAM	8	0	17.08	17.17	17.12				
3	256QAM	8	4	17.08	17.15	17.17	19	5		
3	256QAM	8	7	17.11	17.16	17.20				
3	256QAM	15	0	17.12	17.22	17.10				
Channel										
Frequency (MHz)				20467	20507	20607	Turn-up (dBm)	MPR (dB)		
1.4	QPSK	1	0	22.18	22.19	22.19				
1.4	QPSK	1	3	22.12	22.12	22.04	24	0		
1.4	QPSK	1	15	22.13	22.10	22.06				
1.4	QPSK	3	0	22.06	22.14	22.08				
1.4	QPSK	3	11	22.07	22.11	22.01				
1.4	QPSK	3	22	22.09	22.12	22.06	23	1		
1.4	16QAM	1	0	21.40	21.48	21.40				
1.4	16QAM	1	3	21.49	21.41	21.41	23	1		
1.4	16QAM	3	0	21.42	21.46	21.46				
1.4	16QAM	3	1	21.41	21.40	21.27	23	1		
1.4	16QAM	3	1	21.38	21.44	21.44				
1.4	16QAM	6	0	20.12	20.18	20.15	22	2		
1.4	16QAM	6	0	20.20	20.19	20.17				
1.4	16QAM	1	0	20.12	20.28	20.22				
1.4	16QAM	1	3	20.32	20.28	20.28	22	2		
1.4	16QAM	3	0	20.20	20.23	20.24				
1.4	16QAM	3	1	20.17	20.26	20.28				
1.4	16QAM	3	1	20.15	20.21	20.18	21	3		
1.4	16QAM	6	0	19.11	19.09	19.09				
1.4	256QAM	1	0	17.08	17.19	17.06				
1.4	256QAM	1	3	17.09	17.12	17.04				
1.4	256QAM	1	15	17.16	17.17	17.06	19	5		
1.4	256QAM	3	0	17.08	17.22	17.17				
1.4	256QAM	3	1	17.08	17.16	17.00				
1.4	256QAM	3	1	17.09	17.09	17.09				
1.4	256QAM	6	0	17.12	17.18	17.15	19	5		

Band 7_Ant 2										
BW (MHz)	Modulation	RIS Size	RF Offset	Power Low (dBm)	Power Mids (dBm)	Power High (dBm)	Turn-up (dBm)	MPR (dB)		
Channel				20605	21100	21500				
Frequency (MHz)										
20	QPSK	1	0	22.60	22.62	22.62				
20	QPSK	1	49	22.69	22.61	22.61	24	0		
20	QPSK	1	99	22.75	22.68	22.67				
20	QPSK	50	0	21.76	21.63	21.60				
20	QPSK	50	24	21.72	21.60	21.57	23	1		
20	QPSK	100	0	21.73	21.63	21.60				
20	16QAM	1	0	21.71	21.68	21.68				
20	16QAM	1	49	21.81	21.73	21.70	23	1		
20	16QAM	1	99	21.87	21.62	21.67				
20	16QAM	50	0	20.70	20.69	20.42				
20	16QAM	50	24	20.65	20.64	20.44	22	2		
20	16QAM	50	50	20.67	20.54	20.45				
20	16QAM	100	0	20.63	20.64	20.39				
20	16QAM	100	0	20.68	20.60	20.75				
20	16QAM	1	49	20.88	20.74	20.77	22	2		
20	16QAM	99	20.70	20.62	20.69					
20	16QAM	99	19.84	19.75	19.65					
20	16QAM	50	24	19.81	19.72	19.68	21	3		
20	16QAM	50	0	19.70	19.67	19.70				
20	16QAM	100	0	19.79	19.72	19.68				
20	256QAM	1	0	17.39	17.29	17.38				
20	256QAM	1	49	17.34	17.41	17.38	19	5		
20	256QAM	1	99	17.35	17.45	17.35				
20	256QAM	50	0	17.22	17.47	17.31				
20	256QAM	50	24	17.22	17.47	17.31	19	5		
20	256QAM	50	50	17.37	17.32	17.35				
20	256QAM	100	0	17.24	17.41	17.36				
Channel										
Frequency (MHz)				20605	21100	21500	Turn-up (dBm)	MPR (dB)		
15	QPSK	1	0	22.67	22.69	22.69				
15	QPSK	1	49	22.68	22.62	22.62	24	0		
15	QPSK	1	99	22.74	22.67	22.66				
15	QPSK	14	24	22.74	22.66	22.62	24	0		
15	QPSK	50	0	21.69	21.63	21.62				
15	QPSK	50	24	21.60	21.64	21.67	23	1		
15	QPSK	99	0	21.59	21.45	21.58				
15	QPSK	99	19.84	21.63	21.49	21.61	21	3		
15	16QAM	1	0	21.62	21.61	21.58				
15	16QAM	1	49	21.72	21.72	21.71	23	1		
15	16QAM	1	99	21.72	21.48	21.58				
15	16QAM	50	0	20.62	20.64	20.34				
15	16QAM	50	24	20.64	20.64	20.34	22	2		
15	16QAM	50	99	20.51	20.34	20.20				
15	16QAM	79	0	20.59	20.30	20.35				
15	16QAM	99	20.59	20.30	20.35					
15	16QAM	99	19.84	20.34	20.20	20.35	22	2		
15	16QAM	1	49	20.69	20.30	20.35				
15	16QAM	1	99	20.69	20.30	20.35				
15	16QAM	50	0	19.68	19.68	19.62				
15	16QAM	50	24	19.76	19.69	19.61	21	3		
15	16QAM	50	50	19.76	19.69	19.61				
15	16QAM	79	0	19.74	19.62	19.62				
15	16QAM	99	19.74	19.62	19.62					
15	256QAM	1	0	17.27	17.38	17.30				
15	256QAM	1	49	17.27	17.38	17.30	19	5		
15	256QAM	1	99	17.27	17.40	17.30				
15	256QAM	50	0	17.24	17.40	17.29				
15	256QAM	50	24	17.21	17.39	17.28	19	5		
15	256QAM	50	50	17.32	17.32	17.35				
Channel										
Frequency (MHz)				20600 <th>21100<th>21500</th><th>Turn-up (dBm)</th><th>MPR (dB)</th></th>	21100 <th>21500</th> <th>Turn-up (dBm)</th> <th>MPR (dB)</th>	21500	Turn-up (dBm)	MPR (dB)		
10	QPSK	1	0	22.67	22.61	22.61				
10	QPSK	1	49	22.67	22.60	22.67	24	0		
10	QPSK	1	99	22.73	22.66	22.65				
10	QPSK	25	0	21.69	21.66	21.62				
10	QPSK	25	12	21.54	21.43	21.42	23	1		
10	QPSK	48	0	21.48	21.43	21.49				
10	QPSK	50	0	21.63	21.70	21.59				
10	QPSK	50	24	21.67	21.67	21.67	23	1		
10	16QAM	1	0	21.67	21.63	21.60				
10	16QAM	1	49	21.48	21.48	21.58				
10	16QAM	1	99	21.45	21.45	21.45				
10	16QAM	25	12	20.62	20.62	20.30	22	2		
10	16QAM	25	26	20.66	20.41	20.32				
10	16QAM	50	0	20.45	20.51	20.30				
10	16QAM	50	0	20.63	20.62	20.60	22	2		
10	16QAM	50	24	20.63	20.62	20.30				
10	16QAM	50	49	20.67	20.39	20.26				
10	16QAM	25	0	19.72	19.87	19.62				
10	16QAM	25	12	19.78	19.78	19.67	21	3		
10	16QAM	25	26	19.68	19.61	19.61				
10	16QAM	50	0	17.22	17.44	17.34				
10	256QAM	1	0	17.24	17.36	17.32				
10	256QAM	1	49	17.28	17.35	17.32	19	5		
10	256QAM	1	99	17.29	17.41	17.42				
10	256QAM	25	12	17.22	17.40	17.35				
10	256QAM	25	26	17.21	17.38	17.35				
10	256QAM	50	0	17.21	17.36	17.35				
Channel										
Frequency (MHz)				20605	21100	21500	Turn-up (dBm)	MPR (dB)		
5	QPSK	1	0	22.77	22.79	22.67				
5	QPSK	1	49	22.77	22.78	22.67	24	0		
5	QPSK	1	24	22.76	22.80	22.67				
5	QPSK	12	0	21.69	21.64	21.61				
5	QPSK	12	12	21.55	21.54	21.49	23	1		
5	QPSK	12	13	21.54	21.48	21.49				
5	QPSK	26	0	21.61	21.61	21.58	23	1		
5	16QAM	1	0	21.68	21.58	21.60				
5	16QAM	1	12	21.29	21.54	21.58				
5	16QAM	1	26	21.28	21.47	21.58	23	1		
5	16QAM	12	0	20.63	20.45	20.29				
5	16QAM	12	12	20.65	20.47	20.37				
5	16QAM	12	13	20.65	20.47	20.37	22	2		
5	16QAM	26	0	20.64	20.61	20.29				
5	16QAM	26	12	20.63	20.63	20.30	22	2		
5	16QAM	12	26	20.61	20.63	20.66				
5	16QAM	12	26	20.69	20.68	20.68				
5	16QAM	12	7	19.78	19.81	19.65	21	3		
5	256QAM	1	0	17.35	17.39	17.38				
5	256QAM	1	13	17.36	17.44	17.33	19	5		
5	256QAM	1	24	17.20	17.32	17.40				
5	256QAM	12	0	17.34	17.35	17.35				
5	256QAM	12	7	17.32	17.35	17.35	19	5		
5	256QAM	12	13	17.23	17.46	17.31				

Band 12_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.40	22.50	22.41	24	0		
10	QPSK	1	20	22.42	22.46	22.32				
10	QPSK	1	40	22.43	22.43	22.46				
10	QPSK	25	0	21.26	21.26	21.26				
10	QPSK	25	13	21.26	21.26	21.26			23	1
10	QPSK	50	0	21.30	21.40	21.38				
10	16QAM	1	0	21.34	21.40	21.42				
10	16QAM	1	20	21.25	21.48	21.30	23	1		
10	16QAM	1	40	21.27	21.26	21.38				
10	16QAM	25	0	20.47	20.31	20.40				
10	16QAM	25	13	20.26	20.34	20.30	22	2		
10	16QAM	50	0	20.50	20.23	20.31				
10	16QAM	1	0	20.47	20.31	20.46				
10	16QAM	1	20	20.32	20.27	20.34	22	2		
10	16QAM	1	40	20.56	20.36	20.31				
10	16QAM	25	0	19.57	19.51	19.56				
10	16QAM	25	12	19.29	19.59	19.28	21	3		
10	16QAM	25	25	19.34	19.22	19.30				
10	16QAM	50	0	19.32	19.26	19.27				
10	256QAM	1	0	17.03	17.14	17.22				
10	256QAM	1	20	17.08	17.07	17.08	19	5		
10	256QAM	1	40	17.11	17.13	17.08				
10	256QAM	25	0	17.12	17.07	17.11				
10	256QAM	25	13	17.20	17.13	17.15	19	5		
10	256QAM	25	25	17.13	17.12	17.15				
10	256QAM	50	0	17.11	17.16	17.16			Turn-up (min)	MPR (dB)
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.33	22.33	22.33	24	0		
5	QPSK	1	8	22.32	22.31	22.29				
5	QPSK	1	16	22.31	22.31	22.31				
5	QPSK	1	24	22.38	22.29	22.33				
5	QPSK	12	0	21.27	21.33	21.26	23	1		
5	QPSK	12	7	21.18	21.18	21.27				
5	QPSK	25	0	21.17	21.21	21.34				
5	16QAM	1	0	21.32	21.20	21.38				
5	16QAM	1	14	21.08	21.46	21.21	23	1		
5	16QAM	1	24	21.40	21.09	21.30				
5	16QAM	12	0	20.32	20.17	20.24				
5	16QAM	12	7	20.17	20.19	20.13	22	2		
5	16QAM	12	13	20.31	20.11	20.27				
5	16QAM	25	0	20.30	20.18	20.30				
5	16QAM	1	0	20.46	20.39	20.30				
5	16QAM	1	12	20.29	20.22	20.35	22	2		
5	16QAM	1	24	20.32	20.27	20.35				
5	16QAM	12	0	19.16	19.21	19.22				
5	16QAM	12	7	19.16	19.21	19.16	21	3		
5	16QAM	12	13	19.35	19.21	19.17				
5	16QAM	25	0	19.19	19.23	19.19				
5	256QAM	1	0	17.06	17.05	17.03				
5	256QAM	1	12	17.21	17.21	17.10	19	5		
5	256QAM	1	24	17.14	17.17	17.10				
5	256QAM	12	0	17.14	17.16	17.26				
5	256QAM	12	7	17.07	17.12	17.23	19	5		
5	256QAM	12	13	17.25	17.13	17.25				
5	256QAM	25	0	17.07	17.23	17.10				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.41	22.33	22.30	24	0		
3	QPSK	1	8	22.32	22.31	22.12				
3	QPSK	1	16	22.31	22.31	22.30				
3	QPSK	8	0	21.21	21.39	21.33				
3	QPSK	8	4	21.26	21.27	21.14	23	1		
3	QPSK	8	16	21.36	21.16	21.11				
3	QPSK	16	0	21.21	21.26	21.18				
3	16QAM	1	0	21.09	21.09	21.11				
3	16QAM	1	8	21.17	21.44	21.21	23	1		
3	16QAM	1	14	21.06	21.14	21.37				
3	16QAM	8	0	20.22	20.17	20.10				
3	16QAM	8	4	20.18	20.30	20.24	22	2		
3	16QAM	8	7	20.14	20.14	20.30				
3	16QAM	15	0	20.10	20.18	20.21				
3	16QAM	1	0	20.44	20.13	20.35				
3	16QAM	1	8	20.25	20.18	20.26	22	2		
3	16QAM	1	14	20.42	20.19	20.19				
3	16QAM	8	0	19.23	19.24	19.27				
3	16QAM	8	4	19.19	19.22	19.15	21	3		
3	16QAM	8	7	19.23	19.02	19.14				
3	16QAM	15	0	19.12	19.16	19.15				
3	256QAM	1	0	17.11	17.15	17.11				
3	256QAM	1	8	17.20	17.24	17.17	19	5		
3	256QAM	1	14	17.10	17.18	17.14				
3	256QAM	8	0	17.19	17.07	17.14				
3	256QAM	8	4	17.17	17.24	17.10	19	5		
3	256QAM	8	7	17.15	17.15	17.22				
3	256QAM	15	0	17.12	17.19	17.26			Turn-up (min)	MPR (dB)
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.32	22.34	22.43	24	0		
1.4	QPSK	1	3	22.28	22.29	22.43				
1.4	QPSK	1	6	22.31	22.31	22.44				
1.4	QPSK	3	0	22.30	22.39	22.48				
1.4	QPSK	3	1	22.25	22.30	22.16				
1.4	QPSK	3	3	22.38	22.35	22.37				
1.4	QPSK	6	0	21.20	21.31	21.25	23	1		
1.4	16QAM	1	0	21.26	21.20	21.24				
1.4	16QAM	1	3	21.25	21.34	21.29				
1.4	16QAM	1	6	21.42	21.26	21.25				
1.4	16QAM	3	0	21.15	21.37	21.30	23	1		
1.4	16QAM	3	1	21.17	21.32	21.21				
1.4	16QAM	3	3	21.43	21.11	21.30				
1.4	16QAM	6	0	20.29	20.14	20.18	22	2		
1.4	16QAM	1	0	20.27	20.16	20.30				
1.4	16QAM	1	3	20.16	20.10	20.23				
1.4	16QAM	1	6	20.30	20.22	20.21	22	2		
1.4	16QAM	3	0	20.33	20.14	20.30				
1.4	16QAM	3	1	20.22	20.19	20.24				
1.4	16QAM	3	3	20.51	20.17	20.15				
1.4	16QAM	6	0	19.29	19.15	19.14	21	3		
1.4	256QAM	1	0	17.17	17.19	17.09				
1.4	256QAM	1	3	17.16	17.22	17.15				
1.4	256QAM	1	6	17.12	17.10	17.08	19	5		
1.4	256QAM	3	0	17.16	17.14	17.13				
1.4	256QAM	3	1	17.11	17.07	17.21				
1.4	256QAM	3	3	17.12	17.22	17.26				
1.4	256QAM	6	0	17.10	17.21	17.15	19	5		

Band 12_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.31	22.30	22.30	24	0		
10	QPSK	1	20	22.20	22.30	22.30				
10	QPSK	1	40	22.29	22.27	22.31				
10	QPSK	25	0	21.18	21.18	21.18				
10	QPSK	25	10	21.18	21.20	21.19	23	1		
10	QPSK	25	20	21.18	21.22	21.19				
10	QPSK	25	30	21.18	21.24	21.22				
10	QPSK	1	49	21.33	21.20	21.19				
10	QPSK	1	69	21.07	21.20	21.19	23	1		
10	QPSK	25	10	20.23	20.22	20.18				
10	QPSK	25	20	20.23	20.22	20.18				
10	QPSK	25	30	20.21	20.23	20.14				
10	QPSK	1	0	20.30	20.20	20.30	22	2		
10	QPSK	1	20	20.17	20.20	20.19				
10	QPSK	1	40	20.25	20.21	20.18				
10	QPSK	25	0	19.21	19.22	19.19				
10	QPSK	25	10	19.21	19.23	19.19	21	3		
10	QPSK	25	20	19.20	19.21	19.20				
10	QPSK	25	30	19.18	19.20	19.19				
10	QPSK	1	0	17.12	17.15	17.15				
10	25GQAM	1	0	17.25	17.31	17.31	21	3		
10	25GQAM	1	20	17.24	17.18	17.18				
10	25GQAM	1	40	17.26	17.27	17.22				
10	25GQAM	25	0	16.11	16.18	16.17				
10	25GQAM	25	10	16.11	16.18	16.17	19	5		
10	25GQAM	25	20	16.21	16.17	16.15				
10	25GQAM	25	30	17.17	17.21	17.21				
10	25GQAM	1	49	17.36	17.21	17.21				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.31	22.30	22.30	24	0		
5	QPSK	1	20	22.23	22.30	22.29				
5	QPSK	1	40	22.20	22.15	22.27				
5	QPSK	12.5	0	21.08	21.16	21.15				
5	QPSK	12.5	10	21.08	21.16	21.15	23	1		
5	QPSK	12.5	20	21.03	21.17	21.14				
5	QPSK	12.5	30	21.18	21.21	21.11				
5	QPSK	1	49	21.11	21.14	21.11				
5	QPSK	1	10	21.05	21.14	21.08	22	2		
5	QPSK	12.5	0	20.14	20.20	20.19				
5	QPSK	12.5	10	20.17	20.23	20.24				
5	QPSK	12.5	20	20.00	20.03	20.03				
5	QPSK	25	0	20.07	20.07	20.10	22	2		
5	QPSK	25	10	20.08	20.10	20.08				
5	QPSK	1	19	20.00	20.18	20.05				
5	QPSK	12.5	30	20.12	20.15	20.12				
5	QPSK	12.5	0	19.03	19.21	19.13	21	3		
5	QPSK	12.5	7	18.18	19.10	18.14				
5	QPSK	12.5	14	19.04	19.04	19.20				
5	QPSK	25	0	19.09	19.18	19.08				
5	QPSK	1	0	17.12	17.15	17.15	19	5		
5	QPSK	1	12	17.11	17.25	17.25				
5	QPSK	1	24	17.08	17.25	17.20				
5	QPSK	12.5	7	18.18	19.04	18.14				
5	25GQAM	12.5	7	17.23	17.16	17.21	19	5		
5	25GQAM	12.5	15	17.10	17.12	17.25				
5	25GQAM	12.5	23	17.12	17.19	17.15				
5	25GQAM	1	49	17.36	17.21	17.21				
Channel										
Frequency (MHz)										
3	QPSK	6.25	0	22.34	22.31	22.31	24	0		
3	QPSK	1	8	22.11	22.16	22.21				
3	QPSK	1	16	22.10	22.15	22.21				
3	QPSK	6.25	0	21.26	21.19	21.19				
3	QPSK	6.25	4	21.23	21.22	21.18	23	1		
3	QPSK	6.25	8	21.21	21.09	21.13				
3	QPSK	16	0	21.13	21.14	21.14				
3	QPSK	16	8	21.16	21.16	21.16				
3	QPSK	1	0	21.12	21.21	21.22	23	1		
3	QPSK	1	16	21.07	21.02	21.13				
3	QPSK	1	32	21.11	21.09	21.13				
3	QPSK	6.25	4	20.84	20.88	20.85				
3	QPSK	6.25	8	20.17	20.16	20.10	22	2		
3	QPSK	6.25	16	20.21	20.20	20.10				
3	QPSK	1	0	20.05	20.09	20.18				
3	QPSK	6.25	16	20.17	20.17	20.17				
3	QPSK	1	14	20.15	20.05	20.05	21	3		
3	QPSK	6.25	8	18.17	18.20	18.20				
3	QPSK	6.25	16	19.09	19.13	19.13				
3	QPSK	6.25	8	19.19	19.07	19.18				
3	QPSK	1	0	17.15	17.20	17.23	19	5		
3	QPSK	1	8	17.15	17.20	17.23				
3	QPSK	6.25	4	17.15	17.25	17.27				
3	QPSK	6.25	8	17.23	17.19	17.19				
3	25GQAM	6.25	4	17.15	17.26	17.25	19	5		
3	25GQAM	6.25	8	17.15	17.26	17.25				
3	25GQAM	1	0	17.19	17.23	17.27				
3	25GQAM	16	0	17.19	17.23	17.27				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.24	22.29	22.31	24	0		
1.4	QPSK	1	20	22.23	22.30	22.31				
1.4	QPSK	1	40	22.25	22.10	22.14				
1.4	QPSK	3	0	22.30	22.19	22.31				
1.4	QPSK	3	20	22.28	22.19	22.31	23	1		
1.4	QPSK	3	40	22.28	22.24	22.27				
1.4	QPSK	3	60	22.28	22.20	22.24				
1.4	QPSK	1	0	21.17	21.19	21.14				
1.4	QPSK	1	0	21.23	21.09	21.10	22	2		
1.4	QPSK	1	20	21.14	21.10	21.14				
1.4	QPSK	3	0	21.21	21.10	21.15				
1.4	QPSK	6.25	0	20.06	20.20	20.04				
1.4	QPSK	6.25	0	20.09	20.09	20.04	22	2		
1.4	QPSK	1	0	20.18	20.18	20.18				
1.4	QPSK	1	0	20.17	20.08	20.07				
1.4	QPSK	1	0	19.12	19.03	19.08				
1.4	QPSK	6.25	0	20.09	20.08	20.19	21	3		
1.4	QPSK	6.25	0	19.15	19.14	19.14				
1.4	QPSK	6.25	0	19.13	19.22	19.20				
1.4	25GQAM	1	0	17.19	17.31	17.31				
1.4	25GQAM	1	0	17.20	17.24	17.24	19	5		
1.4	25GQAM	1	0	17.20	17.24	17.24				
1.4	25GQAM	1	0	17.09	17.19	17.19				
1.4	25GQAM	3	0	17.27	17.24	17.24				
1.4	25GQAM	3	0	17.18	17.12	17.23	19	5		
1.4	25GQAM	3	0	17.19	17.14	17.23				
1.4	25GQAM	3	0	17.21	17.28	17.21				
1.4	25GQAM	3	0	17.17	17.12	17.23				

Band 14_Ant 0									
BN (MHz)	Modulation	RF Band	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (sec)	MPR (dB)	
Channel 23300									
Frequency (MHz)									
10	QPSK	1	0			22.22			
10	QPSK	1	25			22.18		24	0
10	QPSK	1	49			22.17			
10	QPSK	25	0			22.18			
10	QPSK	25	12			21.87		23	
10	QPSK	25	25			21.86			
10	QPSK	50	0			21.84			
10	16QAM	1	0			21.42			
10	16QAM	1	25			21.10		23	1
10	16QAM	1	49			21.05			
10	16QAM	25	0			20.96			
10	16QAM	25	12			20.90		22	2
10	16QAM	25	25			20.82			
10	16QAM	50	0			20.80			
10	16QAM	1	0			20.85			
10	16QAM	1	25			20.52		22	2
10	16QAM	1	49			20.24			
10	16QAM	25	0			19.94			
10	16QAM	25	12			19.87		21	3
10	16QAM	25	25			19.81			
10	16QAM	50	0			19.82			
10	16QAM	1	0			17.14			
10	16QAM	1	25			17.09		19	5
10	16QAM	1	49			17.02			
10	16QAM	25	0			17.13			
10	16QAM	25	12			17.14		19	5
10	16QAM	25	25			17.17			
10	16QAM	50	0			17.19			
Channel 23305									
Frequency (MHz)									
5	QPSK	1	0	22.14	22.14	22.14	22.21		
5	QPSK	1	12	22.19	22.18	22.18		24	0
5	QPSK	1	24	22.17	22.16	22.14			
5	QPSK	12	0	21.12	21.03	21.23			
5	QPSK	12	7	21.09	21.12	21.10		23	1
5	QPSK	12	13	21.07	21.09	21.08			
5	QPSK	25	0	21.00	21.15	21.07			
5	16QAM	1	0	21.06	21.12	21.06			
5	16QAM	1	12	21.04	21.02	21.10		23	1
5	16QAM	1	24	21.22	21.01	21.14			
5	16QAM	12	0	20.14	20.03	20.10			
5	16QAM	12	7	20.15	20.00	20.06			
5	16QAM	12	13	20.08	20.07	20.15		22	2
5	16QAM	25	0	20.09	20.09	20.16			
5	16QAM	1	0	20.20	20.22	20.31			
5	16QAM	1	12	20.14	20.00	20.18		22	2
5	16QAM	1	24	20.10	20.21	20.21			
5	16QAM	12	0	19.23	19.12	19.23			
5	16QAM	12	7	19.20	19.06	19.21		21	3
5	16QAM	12	13	19.20	19.25	19.22			
5	16QAM	25	0	19.15	19.09	19.11			
5	16QAM	1	0	17.23	17.20	17.18			
5	16QAM	1	12	17.16	17.12	17.26		19	5
5	16QAM	1	24	17.11	17.30	17.15			
5	16QAM	12	0	17.26	17.14	17.21			
5	16QAM	12	7	17.24	17.24	17.29		19	5
5	16QAM	12	13	17.22	17.22	17.16			
5	16QAM	25	0	17.19	17.16	17.27			

Band 14_Ant 1									
BN (MHz)	Modulation	RF Band	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Turn-up (sec. min)	MPN (dB)	Ch. Class	SPR
Channel 23300									
Frequency (MHz)									
10	QPSK	1	0	22.45					
10	QPSK	1	25	22.30					
10	QPSK	1	49	22.35				24	0
10	QPSK	25	0	22.30					
10	QPSK	25	12	21.28				23	1
10	QPSK	25	25	21.35	21.35				
10	QPSK	50	0	21.35					
10	16QAM	1	0	21.37					
10	16QAM	1	25	21.39	21.39			23	1
10	16QAM	1	49	21.31					
10	16QAM	25	0	20.35					
10	16QAM	25	12	20.31	20.31			22	2
10	16QAM	25	25	20.31					
10	16QAM	50	0	20.36					
10	16QAM	1	0	20.44					
10	16QAM	1	25	20.74	20.74			22	2
10	16QAM	1	49	20.74					
10	16QAM	25	0	19.36					
10	16QAM	25	12	19.25	19.25			21	3
10	16QAM	25	25	19.25					
10	16QAM	50	0	19.34					
10	16QAM	1	0	17.31					
10	16QAM	1	25	17.17	17.17			19	5
10	16QAM	1	49	17.20					
10	16QAM	25	0	17.16					
10	16QAM	25	12	17.21				19	5
10	16QAM	25	25	17.22	17.22				
10	16QAM	50	0	17.20					
Channel 23305									
Frequency (MHz)									
5	QPSK	1	0	22.31	22.41	22.31			
5	QPSK	1	12	22.27	22.17	22.28		24	0
5	QPSK	1	24	22.26	22.21	22.29			
5	QPSK	12	0	21.28	21.29	21.25			
5	QPSK	12	7	21.25	21.24	21.20		23	1
5	QPSK	12	13	21.25	21.27	21.28			
5	QPSK	25	0	21.35	21.22	21.27			
5	16QAM	1	0	21.26	21.35	21.25			
5	16QAM	1	12	21.34	21.21	21.34		23	1
5	16QAM	1	24	21.19	21.28	21.21			
5	16QAM	12	0	20.32	20.28	20.31			
5	16QAM	12	7	20.29	20.21	20.23		22	2
5	16QAM	12	13	20.21	20.25	20.18			
5	16QAM	25	0	20.27	20.32	20.25			
5	16QAM	1	0	20.37	20.30	20.31			
5	16QAM	1	12	20.66	20.64	20.63		22	2
5	16QAM	1	24	20.61	20.62	20.72			
5	16QAM	12	0	19.23	19.23	19.30			
5	16QAM	12	7	19.24	19.15	19.17			
5	16QAM	12	13	19.21	19.21	19.14		21	3
5	16QAM	25	0	19.26	19.27	19.19			
5	16QAM	1	0	17.16	17.16	17.26			
5	16QAM	1	12	17.08	17.08	17.12		19	5
5	16QAM	1	24	17.14	17.15	17.08			
5	16QAM	12	0	17.08	17.15	17.09			
5	16QAM	12	7	17.09	17.13	17.26		19	5
5	16QAM	12	13	17.15	17.16	17.14			
5	16QAM	25	0	17.08	17.18	17.18			

Band 17_Ant 0									
BN (MHz)	Modulation	RF Band	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Turnup Time (sec)	MPR (dB)	
Channel 23760									
Frequency (MHz)									
10	QPSK	1	0	22.13	22.20	22.20			
10	QPSK	1	25	22.13	22.14	22.13		24	0
10	QPSK	1	49	22.13	22.21	22.21			
10	QPSK	25	0	21.04					
10	QPSK	25	12	21.05	21.08	21.09		23	1
10	QPSK	25	25	21.05	21.09	21.08			
10	QPSK	50	0	21.04	21.08	21.07			
10	16QAM	1	0	21.13	21.12	21.09			
10	16QAM	1	25	21.08	21.04	21.12		23	1
10	16QAM	1	49	21.53	21.65	21.14			
10	16QAM	25	0	20.10	20.18	20.15			
10	16QAM	25	12	20.04	20.10	20.07		22	2
10	16QAM	25	25	20.06	20.06	20.06			
10	16QAM	50	0	20.10	20.19	20.10			
10	16QAM	1	0	20.06	20.13	20.17			
10	16QAM	1	25	20.13	20.17	20.04		22	2
10	16QAM	1	49	20.06	20.40	20.19			
10	16QAM	25	0	19.92	19.19	19.92			
10	16QAM	25	12	19.13	19.07	19.10		21	3
10	16QAM	25	25	19.13	19.05	19.04			
10	16QAM	50	0	19.11	19.08	19.06			
10	16QAM	1	0	17.10	17.32	17.30			
10	16QAM	1	25	17.05	17.20	17.31		19	5
10	16QAM	1	49	17.06	17.28	17.30			
10	16QAM	25	0	17.18	17.32	17.31			
10	16QAM	25	12	17.07	17.10	17.26		19	5
10	16QAM	25	25	17.14	17.13	17.31			
10	16QAM	50	0	17.05	17.20	17.21			
Channel 23765									
Frequency (MHz)									
5	QPSK	1	0	22.09	22.20	22.21			
5	QPSK	1	12	22.10	22.08	22.07		24	0
5	QPSK	1	24	22.06	22.09	22.08			
5	QPSK	12	0	21.10	21.14	21.14			
5	QPSK	12	7	21.23	21.19	21.21		23	1
5	QPSK	12	13	21.14	21.10	21.12			
5	QPSK	24	0	21.20	21.17	21.18			
5	16QAM	1	0	21.27	21.23	21.19			
5	16QAM	1	12	21.28	21.11	21.21		23	1
5	16QAM	1	24	21.62	21.79	21.19			
5	16QAM	12	0	20.22	20.29	20.21			
5	16QAM	12	7	20.18	20.18	20.26		22	2
5	16QAM	12	13	20.19	20.16	20.23			
5	16QAM	24	0	20.20	20.20	20.20			
5	16QAM	24	7	20.16	20.32	20.32			
5	16QAM	1	0	20.20	20.33	20.29		22	2
5	16QAM	1	12	20.22	20.22	20.22			
5	16QAM	12	0	19.09	19.38	19.12			
5	16QAM	12	7	19.29	19.19	19.28		21	3
5	16QAM	12	13	19.28	19.18	19.27			
5	16QAM	24	0	19.29	19.18	19.22			
5	16QAM	1	0	17.05	17.32	17.30			
5	16QAM	1	12	17.06	17.28	17.30		19	5
5	16QAM	1	24	17.15	17.45	17.45			
5	16QAM	12	0	17.18	17.32	17.32			
5	16QAM	12	7	17.28	17.18	17.40			
5	16QAM	12	13	17.21	17.35	17.40			
5	16QAM	24	0	17.18	17.18	17.18			

Band 25_Ant 2										
RF Modulation	RF Rate	RF Offset	Power Low	Power High	Power High	Turn-on	MFR (dB)			
Channel			26140	26340	26500					
Frequency (MHz)			1860	1880	1905					
26 QPSK 1	0	22.20	22.64	22.68		24	0			
26 QPSK 1	49	22.40	22.80	22.84						
26 QPSK 1	99	22.33	22.37	22.37						
26 QPSK 1	149	22.33	22.37	22.37						
26 QPSK 50	24	22.25	22.27	22.27		23	1			
26 QPSK 50	50	22.26	22.28	22.28						
26 QPSK 150	0	22.33	22.35	22.35						
26 QPSK 150	1	0	21.50	21.49	21.39					
26 QPSK 1	49	21.49	21.46	21.47		23	1			
26 QPSK 1	99	21.45	21.45	21.45						
26 QPSK 50	0	21.37	21.38	21.44						
26 QPSK 50	24	21.36	21.36	21.43						
26 QPSK 50	50	21.26	21.38	21.48		22	2			
26 QPSK 100	0	21.32	21.41	21.42						
26 QPSK 1	49	20.59	20.49	20.45		22	2			
26 QPSK 1	99	20.48	20.38	20.39						
26 QPSK 1	149	20.43	20.34	20.36						
26 QPSK 50	0	20.33	20.23	20.40						
26 QPSK 50	24	20.48	20.37	20.38		21	3			
26 QPSK 50	50	20.29	20.41	20.38						
26 QPSK 100	0	20.34	20.30	20.34						
26 QPSK 1	49	18.07	18.05	18.24		19	5			
26 QPSK 1	99	18.06	18.07	18.09						
26 QPSK 50	0	18.17	18.09	18.10						
26 QPSK 50	24	18.05	18.00	18.19		19	5			
26 QPSK 50	50	18.22	18.17	18.19						
26 QPSK 100	0	18.11	18.05	18.16						
Channel			26115	26340	26515	Turn-on	MFR (dB)			
Frequency (MHz)			1867.5	1880	1907.5					
16 QPSK 1	0	22.47	22.43	22.43		24	0			
16 QPSK 1	37	22.24	22.18	22.23						
16 QPSK 1	74	22.18	22.18	22.22						
16 QPSK 38	0	22.24	22.22	22.21						
16 QPSK 38	20	22.09	22.09	22.21		23	1			
16 QPSK 38	38	22.24	22.22	22.21						
16 QPSK 75	0	22.24	22.23	22.24						
16 QPSK 1	0	21.30	21.30	21.34		23	1			
16 QPSK 1	37	21.43	21.42	21.37						
16 QPSK 1	74	21.33	21.40	21.38						
16 QPSK 38	0	21.19	21.17	21.34		22	2			
16 QPSK 38	20	21.01	21.36	21.31						
16 QPSK 38	38	21.19	21.30	21.27						
16 QPSK 75	0	21.01	21.01	21.01						
16 QPSK 1	0	20.51	20.52	20.43						
16 QPSK 1	37	20.50	20.57	20.51		22	2			
16 QPSK 1	74	20.34	20.30	20.47						
16 QPSK 38	0	20.27	20.10	20.39						
16 QPSK 38	20	20.27	20.10	20.39						
16 QPSK 38	38	20.25	20.24	20.15		21	3			
16 QPSK 75	0	20.23	20.24	20.16						
16 QPSK 1	0	18.15	18.06	18.15		19	5			
16 QPSK 1	37	18.06	18.00	18.16						
16 QPSK 1	74	18.12	18.06	18.26						
16 QPSK 38	0	18.19	18.10	18.26						
16 QPSK 38	20	18.09	18.10	18.10		19	5			
16 QPSK 38	38	18.11	18.10	18.14						
16 QPSK 75	0	18.15	18.02	18.14						
Channel			26500	26340	26540	Turn-on	MFR (dB)			
Frequency (MHz)			26500	26340	26540					
16 QPSK 1	0	22.40	22.40	22.54		24	0			
16 QPSK 1	25	22.25	22.31	22.25						
16 QPSK 1	49	22.25	22.31	22.25						
16 QPSK 25	0	22.18	22.20	22.28						
16 QPSK 25	12	22.10	22.15	22.32		23	1			
16 QPSK 25	25	22.20	22.20	22.27						
16 QPSK 50	0	22.20	22.19	22.22						
16 QPSK 50	0	21.49	21.49	21.50		23	1			
16 QPSK 1	25	21.50	21.52	21.39						
16 QPSK 1	49	21.33	21.53	21.29						
16 QPSK 25	0	21.24	21.26	21.34		22	2			
16 QPSK 25	12	21.01	21.30	21.40						
16 QPSK 25	25	21.08	21.21	21.20						
16 QPSK 50	0	21.27	21.34	21.41						
16 QPSK 1	0	20.41	20.33	20.31		22	2			
16 QPSK 1	25	20.41	20.33	20.31						
16 QPSK 25	0	20.33	20.30	20.35						
16 QPSK 25	12	20.44	20.34	20.34		21	3			
16 QPSK 25	25	20.28	20.31	20.32						
16 QPSK 50	0	20.32	20.32	20.31						
16 QPSK 50	0	19.07	18.05	18.15		19	5			
16 QPSK 1	25	18.05	18.13	18.21						
16 QPSK 1	49	18.10	18.04	18.10						
16 QPSK 25	0	18.15	18.14	18.17						
16 QPSK 25	12	18.22	18.03	18.20		19	5			
16 QPSK 25	25	18.11	18.10	18.14						
16 QPSK 50	0	18.15	18.02	18.14						
Channel			26500	26340	26540	Turn-on	MFR (dB)			
Frequency (MHz)			26500	26340	26540					
5 QPSK 1	0	22.45	22.42	22.59		24	0			
5 QPSK 1	1	22.26	22.27	22.38						
5 QPSK 1	14	22.15	22.20	22.14						
5 QPSK 12	0	22.18	22.18	22.19						
5 QPSK 12	7	22.13	22.16	22.16		23	1			
5 QPSK 12	13	22.22	22.08	22.21						
5 QPSK 25	0	22.13	22.31	22.28						
5 QPSK 1	0	21.45	21.37	21.39		23	1			
5 QPSK 1	12	21.55	21.49	21.40						
5 QPSK 1	24	21.55	21.50	21.39						
5 QPSK 12	0	21.35	21.34	21.40						
5 QPSK 12	7	21.11	21.38	21.29		22	2			
5 QPSK 12	13	21.07	21.10	21.07						
5 QPSK 25	0	21.10	21.30	21.41						
5 QPSK 1	0	20.81	20.32	20.26		22	2			
5 QPSK 1	12	20.52	20.66	20.44						
5 QPSK 1	24	20.41	20.50	20.40						
5 QPSK 12	0	20.17	20.63	20.40		21	3			
5 QPSK 12	7	20.43	20.11	20.29						
5 QPSK 12	13	20.17	20.22	20.15						
5 QPSK 25	0	20.18	20.14	20.10						
5 QPSK 1	0	18.12	18.20	18.07		19	5			
5 QPSK 1	12	18.05	18.00	18.14						
5 QPSK 1	24	18.17	18.01	18.05						
5 QPSK 12	0	18.14	18.12	18.26						
5 QPSK 12	7	18.12	18.04	18.26		19	5			
5 QPSK 12	13	18.15	18.04	18.14						
5 QPSK 25	0	18.10	18.04	18.10						
Channel			26547	26340	26543	Turn-on	MFR (dB)			
Frequency (MHz)			1851.5	1860	1851.5					
3 QPSK 1	0	22.48	22.50	22.36		24	0			
3 QPSK 1	8	22.27	22.29	22.53						
3 QPSK 1	14	22.18	22.28	22.17						
3 QPSK 8	0	22.21	22.14	22.24		23	1			
3 QPSK 8	4	22.17	22.14	22.24						
3 QPSK 8	7	22.17	22.14	22.20						
3 QPSK 15	0	22.08	22.17	22.13						
3 QPSK 1	0	21.38	21.24	21.38		23	1			
3 QPSK 1	8	21.52	21.60	21.42						
3 QPSK 1	14	21.44	21.50	21.38						
3 QPSK 8	0	21.26	21.19	21.30						
3 QPSK 8	7	21.07	21.10	21.17		22	2			
3 QPSK 15	0	20.57	20.32	20.34						
3 QPSK 1	0	20.80	20.54	20.52		22	2			
3 QPSK 1	14	20.32	20.40	20.33						
3 QPSK 8	0	20.25	20.15	20.43						
3 QPSK 8	4	20.44	20.37	20.28		21	3			
3 QPSK 8	7	20.37	20.33	20.28						
3 QPSK 15	0	20.33	20.20	20.32						
3 QPSK 1	0	18.14	18.17	18.23		19	5			
3 QPSK 1	8	18.21	18.00	18.14						
3 QPSK 1	14	18.11	18.02	18.21						
3 QPSK 8	0	18.17	18.06	18.07						
3 QPSK 8	4	18.23	18.04	18.26		19	5			
3 QPSK 8	7	18.24	18.02	18.20						
3 QPSK 15	0	18.10	18.03	18.10						

Band 25_Ant 9										
RF (MHz)	Modulation	RF Rate	RF Offset	Power Low (Ch / Freq)	Power High (Ch / Freq)	Power High (Ch / Freq)	Turn-on (dB)	MFR (dB)		
Channel				26140	26340	26500				
Frequency (MHz)				1860	1880	1905				
26 QPSK 1	0	0	22.22	22.59	22.65		24	0		
26 QPSK 1	49	22.40	22.80	22.80	22.82					
26 QPSK 1	99	22.31	22.32	22.32	22.32					
26 QPSK 50	0	21.56	21.72	21.72	21.73		23	1		
26 QPSK 100	0	21.56	21.57	21.57	21.57					
26 QPSK 100	0	21.56	21.72	21.68	21.68					
26 QPSK 1	49	21.85	21.91	21.90	21.90					
26 QPSK 1	99	21.88	21.91	21.90	21.90					
26 QPSK 1	99	21.88	21.91	21.90	21.90					
26 QPSK 50	24	20.51	20.67	20.72			22	2		
26 QPSK 100	0	20.58	20.68	20.71						
26 QPSK 100	0	20.58	20.68	20.71						
26 QPSK 1	0	20.78	20.71	20.84						
26 QPSK 1	0	20.78	20.71	20.84						
26 QPSK 1	99	20.77	20.82	20.80			22	2		
26 QPSK 50	0	19.60	19.59	19.87						
26 QPSK 50	0	19.62	19.59	19.87						
26 QPSK 50	50	19.51	19.74	19.64			21	3		
26 QPSK 100	0	19.58	19.58	19.87						
26 QPSK 1	0	17.35	17.48	17.51						
26 QPSK 1	49	17.34	17.58	17.41			19	5		
26 QPSK 1	99	17.33	17.58	17.41						
26 QPSK 50	0	17.39	17.55	17.42						
26 QPSK 100	0	17.35	17.58	17.41			19	5		
26 QPSK 100	0	17.35	17.57	17.41						
26 QPSK 100	0	17.35	17.48	17.51						
Channel				26500 <th>26340<th>26695</th><th></th><th></th><th></th></th>	26340 <th>26695</th> <th></th> <th></th> <th></th>	26695				
Frequency (MHz)				1860	1880	1905				
16 QPSK 1	0	22.53	22.52	22.54			24	0		
16 QPSK 1	49	22.48	22.38	22.40						
16 QPSK 1	99	22.48	22.38	22.40						
16 QPSK 1	74	22.23	22.43	22.43						
16 QPSK 36	0	21.52	21.81	21.60						
16 QPSK 36	0	21.40	21.82	21.60			23	1		
16 QPSK 36	99	21.40	21.39	21.58						
16 QPSK 70	0	21.57	21.75	21.63						
16 QPSK 1	37	21.82	21.75	21.73			23	1		
16 QPSK 1	37	21.82	21.75	21.73						
16 QPSK 36	0	20.46	20.47	20.60						
16 QPSK 36	0	20.46	20.51	20.37			22	2		
16 QPSK 36	99	20.46	20.54	20.37						
16 QPSK 70	0	20.51	20.52	20.50						
16 QPSK 70	0	20.51	20.52	20.50						
16 QPSK 1	37	20.75	20.56	20.53			22	2		
16 QPSK 1	74	20.59	20.47	20.68						
16 QPSK 36	20	19.37	19.63	19.60			21	3		
16 QPSK 36	20	19.37	19.63	19.60						
16 QPSK 70	39	19.54	19.55	19.55						
16 QPSK 70	39	19.54	19.55	19.55						
16 QPSK 1	0	17.39	17.48	17.48						
16 QPSK 1	49	17.45	17.47	17.47			19	5		
16 QPSK 1	74	17.51	17.46	17.45						
16 QPSK 36	0	17.43	17.49	17.54						
16 QPSK 36	0	17.33	17.58	17.41						
16 QPSK 36	99	17.34	17.47	17.41						
16 QPSK 70	39	17.47	17.47	17.41						
Channel				26695 <th>26340<th>26695</th><th></th><th></th><th></th></th>	26340 <th>26695</th> <th></th> <th></th> <th></th>	26695				
Frequency (MHz)				1860	1880	1905				
5 QPSK 1	0	22.48	22.54	22.49			24	0		
5 QPSK 1	49	22.33	22.35	22.33						
5 QPSK 1	99	22.33	22.35	22.33						
5 QPSK 1	24	21.36	21.42	21.61						
5 QPSK 20	24	21.39	21.37	21.54						
5 QPSK 1	24	21.48	21.50	21.41						
5 QPSK 1	0	21.69	21.77	21.78			23	1		
5 QPSK 1	49	21.69	21.77	21.78						
5 QPSK 1	49	21.60	21.50	21.74						
5 QPSK 20	0	20.57	20.59	20.54			22	2		
5 QPSK 20	0	20.42	20.59	20.54						
5 QPSK 20	20	20.58	20.52	20.52						
5 QPSK 20	20	20.58	20.54	20.52						
5 QPSK 1	24	20.67	20.61	20.68			22	2		
5 QPSK 1	24	20.67	20.61	20.68						
5 QPSK 20	0	19.43	19.47	19.38						
5 QPSK 1	24	19.44	19.55	19.35						
5 QPSK 1	24	19.44	19.55	19.35						
5 QPSK 50	0	19.49	19.49	19.63			19	3		
5 QPSK 50	0	19.49	19.49	19.63						
5 QPSK 1	24	17.52	17.52	17.50						
5 QPSK 1	24	17.58	17.51	17.39			19	5		
5 QPSK 1	49	17.41	17.54	17.48						
5 QPSK 1	49	17.41	17.54	17.48						
5 QPSK 25	12	17.45	17.57	17.38						
5 QPSK 25	12	17.45	17.57	17.38			19	5		
5 QPSK 25	12	17.41	17.46	17.37						
5 QPSK 25	12	17.50	17.50	17.48						
Channel				26695 <th>26340<th>26695</th><th></th><th></th><th></th></th>	26340 <th>26695</th> <th></th> <th></th> <th></th>	26695				
Frequency (MHz)				18615 <th>1880</th> <th>19075</th> <th></th> <th></th> <th></th>	1880	19075				
3 QPSK 1	0	22.61	22.51	22.58			24	0		
3 QPSK 1	0	22.49	22.51	22.53						
3 QPSK 1	49	22.24	22.44	22.50						
3 QPSK 1	8	21.59	21.59	21.54						
3 QPSK 1	8	21.52	21.52	21.51			23	1		
3 QPSK 8	7	21.51	21.35	21.61						
3 QPSK 15	0	21.47	21.83	21.58						
3 QPSK 1	0	21.79	21.82	21.78			23	1		
3 QPSK 1	0	21.79	21.82	21.78						
3 QPSK 8	4	20.48	20.48	20.51						
3 QPSK 8	4	20.43	20.65	20.58			22	2		
3 QPSK 8	4	20.43	20.65	20.58						
3 QPSK 15	0	20.40	20.46	20.53						
3 QPSK 1	0	20.71	20.66	20.51			22	2		
3 QPSK 1	0	20.72	20.66	20.51						
3 QPSK 1	14	20.60	20.54	20.79						
3 QPSK 1	14	20.60	20.54	20.79						
3 QPSK 8	4	19.40	19.60	19.70			21	3		
3 QPSK 8	7	19.41	19.57	19.38						
3 QPSK 1	0	17.46	17.44	17.39						
3 QPSK 1	0	17.45	17.51	17.39						
3 QPSK 1	14	17.37	17.37	17.41			19	5		
3 QPSK 1	14	17.37	17.37	17.41						
3 QPSK 8	0	17.38	17.48	17.44						
3 QPSK 8	0	17.38	17.48	17.44						
3 QPSK 8	7	17.38	17.50	17.48						
3 QPSK 15	0	17.50	17.37	17.38			19	5		
3 QPSK 15	0	17.50	17.37	17.38						
Frequency (MHz)				18617 <th>1880<th>19103</th><th></th><th></th><th></th></th>	1880 <th>19103</th> <th></th> <th></th> <th></th>	19103				
1.4 QPSK 1	0	22.56	22.55	22.53			24	0		
1.4 QPSK 1	0	22.56	22.55	22.53						
1.4 QPSK 1	0	22.24	22.24	22.24						
1.4 QPSK 1	0	22.31	22.32	22.55						
1.4 QPSK 1	0	22.53	22.53	22.53			24	0		
1.4 QPSK 1	0	22.50	22.42	22.46						
1.4 QPSK 1	0	22.20	22.43	22.55						
1.4 QPSK 1	0	21.87	21.71	21.78			23	1		
1.4 QPSK 1	0	21.73	21.77	21.77						
1.4 QPSK 1	0	21.78	21.80	21.80						
1.4 QPSK 1	0	21.72	21.81	21.81			23	1		
1.4 QPSK 1	0	21.87	21.87	21.75						
1.4 QPSK 3	0	20.80	21.79	21.83			22	2		
1.4 QPSK 1	0	20.62	20.60	20.63						
1.4 QPSK 1	0	20.62	20.60	20.63						
1.4 QPSK 1	0	20.69	20.64	20.67			22	2		
1.4 QPSK 1	0	20.69	20.64	20.67						
1.4 QPSK 3	0	20.50	20.44	20.51						
1.4 QPSK 1	0	20.63	20.63	20.65						
1.4 QPSK 1	0	20.63	20.63	20.65						
1.4 QPSK 6	0	19.81	19.83	19.90			21	3		
1.4 QPSK 1	0	17.32	17.38	17.41						
1.4 QPSK 1	0	17.41	17.41	17.46						
1.4 QPSK 1	0	17.46	17.42	17.48			19	5		
1.4 QPSK 3	0	17.43	17.47	17.42						
1.4 QPSK 3	3	17.49	17.49	17.38			19	5		
1.4 QPSK 3	3	17.51	17.49	17.38						

Band 26(FCC)_Ant 0												
File Name	Modulation	RF Band	RF Offset	Power Low	Power Mid	Power High	Turn-up (min)	MFR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.15	22.31	22.35	24	0				
15	QPSK	1	37	22.07	22.10	22.08						
15	QPSK	1	74	22.01	22.08	22.03						
15	QPSK	36	0	21.21	21.24	21.07	23	1				
15	QPSK	36	59	21.17	21.10	21.02						
15	QPSK	75	0	21.14	21.05	21.01						
15	16QAM	1	0	21.73	21.58	21.10	23	1				
15	16QAM	1	37	21.38	21.35	21.30						
15	16QAM	1	74	21.40	21.35	21.31						
15	16QAM	36	0	20.18	20.17	20.00	22	2				
15	16QAM	36	20	20.10	20.11	20.06						
15	16QAM	36	59	20.17	20.08	20.04						
15	16QAM	75	0	20.18	20.13	20.02						
15	16QAM	1	0	20.24	20.12	20.03						
15	16QAM	1	37	20.14	20.10	20.10	22	2				
15	16QAM	1	74	20.08	20.04	20.01						
15	16QAM	36	0	19.24	19.15	19.01						
15	16QAM	36	20	19.23	19.21	19.08	21	3				
15	16QAM	36	59	19.15	19.07	19.06						
15	16QAM	75	0	19.20	19.11	19.10						
15	256QAM	1	0	17.23	17.41	17.10	19	5				
15	256QAM	1	37	17.23	17.47	17.10						
15	256QAM	1	74	17.12	17.42	17.14						
15	256QAM	36	0	17.25	17.38	17.28	19	5				
15	256QAM	36	20	17.27	17.24	17.24						
15	256QAM	36	59	17.30	17.42	17.34						
15	256QAM	75	0	17.20	17.38	17.18						
Channel												
Frequency (MHz)												
16	QPSK	1	0	22.27	22.26	22.28	24	0				
16	QPSK	1	26	22.23	22.16	22.13						
16	QPSK	12	0	21.27	21.30	21.17	23	1				
16	QPSK	12	6	21.28	21.24	21.23						
16	QPSK	25	0	21.32	21.31	21.18						
16	QPSK	25	12	21.33	21.25	21.20	23	1				
16	16QAM	1	0	21.87	21.79	21.17						
16	16QAM	1	26	21.87	21.73	21.16						
16	16QAM	12	0	20.39	20.29	20.10	22	2				
16	16QAM	12	6	20.28	20.31	20.17						
16	16QAM	12	12	20.30	20.26	20.10						
16	16QAM	25	0	20.33	20.34	20.20						
16	16QAM	1	0	20.35	20.25	20.10	22	2				
16	16QAM	1	26	20.22	20.24	20.20						
16	16QAM	1	49	20.25	20.05	19.12						
16	16QAM	25	0	19.35	19.32	19.12	21	3				
16	16QAM	25	12	19.32	19.32	19.12						
16	16QAM	25	25	19.30	19.14	19.21						
16	16QAM	50	0	19.37	19.17	19.26						
16	256QAM	1	0	17.31	17.31	17.02	19	5				
16	256QAM	1	26	17.27	17.27	17.25						
16	256QAM	1	49	17.25	17.49	17.25						
16	256QAM	25	0	17.25	17.48	17.24						
16	256QAM	25	12	17.41	17.36	17.34	19	5				
16	256QAM	25	25	17.42	17.42	17.25						
16	256QAM	50	0	17.36	17.44	17.27						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.20	22.16	22.20	24	0				
5	QPSK	1	12	22.28	22.24	22.14						
5	QPSK	14	0	22.15	22.15	22.06						
5	QPSK	12	5	21.30	21.31	21.26	23	1				
5	QPSK	12	7	21.20	21.20	21.21						
5	QPSK	33	0	21.30	21.19	21.11						
5	QPSK	25	0	21.20	21.20	21.11	23	1				
5	16QAM	1	0	21.46	21.46	21.26						
5	16QAM	1	12	21.48	21.62	21.29	23	1				
5	16QAM	1	34	21.58	21.46	21.57						
5	16QAM	12	0	20.29	20.23	20.06	22	2				
5	16QAM	12	7	20.26	20.27	20.10						
5	16QAM	12	19	20.33	20.19	20.10						
5	16QAM	25	0	20.27	20.32	20.11	22	2				
5	16QAM	1	0	20.32	20.19	20.11						
5	16QAM	1	12	20.28	20.28	20.10						
5	16QAM	1	34	20.27	20.05	20.20	21	3				
5	16QAM	12	0	19.34	19.34	19.17						
5	16QAM	12	7	19.31	19.38	19.16						
5	16QAM	12	19	19.22	19.12	19.25						
5	256QAM	1	0	17.27	17.25	17.21	19	5				
5	256QAM	1	12	17.29	17.63	17.36						
5	256QAM	14	0	17.26	17.42	17.33						
5	256QAM	12	0	17.36	17.58	17.42	19	5				
5	256QAM	12	7	17.42	17.35	17.36						
5	256QAM	12	19	17.41	17.58	17.35						
5	256QAM	25	0	17.25	17.47	17.29						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.21	22.21	22.20	24	0				
3	QPSK	1	5	22.22	22.19	22.21						
3	QPSK	14	0	22.19	22.15	22.15						
3	QPSK	8	0	21.30	21.31	21.23	23	1				
3	QPSK	8	4	21.32	21.20	21.21						
3	QPSK	8	7	21.26	21.21	21.18						
3	16QAM	1	0	21.88	21.88	21.16						
3	16QAM	1	8	21.56	21.88	21.17						
3	16QAM	14	0	21.50	21.50	21.27	22	2				
3	16QAM	8	0	20.24	20.34	20.18						
3	16QAM	8	4	20.20	20.22	20.27						
3	16QAM	15	0	20.26	20.23	20.10	22	2				
3	16QAM	1	0	20.37	20.27	20.17						
3	16QAM	1	8	20.19	20.30	20.30	21	3				
3	16QAM	1	14	20.17	20.71	20.26						
3	16QAM	8	0	19.32	19.34	19.25						
3	16QAM	8	4	19.40	19.30	19.14						
3	16QAM	8	7	19.29	19.25	19.25						
3	16QAM	15	0	19.35	19.27	19.18						
3	256QAM	1	0	17.40	17.52	17.15	19	5				
3	256QAM	1	5	17.31	17.63	17.17						
3	256QAM	14	0	17.30	17.54	17.23						
3	256QAM	8	0	17.40	17.57	17.47						
3	256QAM	8	4	17.33	17.31	17.47						
3	256QAM	8	7	17.43	17.41	17.10						
3	256QAM	15	0	17.27	17.40	17.17						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.18	22.22	22.21	24	0				
1.4	QPSK	1	22	22.15	22.26	22.28						
1.4	QPSK	5	0	22.15	22.26	22.28						
1.4	QPSK	5	22	22.15	22.26	22.28	24	0				
1.4	QPSK	1	1	22.17	22.17	22.17						
1.4	QPSK	1	41	22.15	22.18	22.20						
1.4	QPSK	3	0	22.14	22.18	22.21	23	1				
1.4	QPSK	3	22	22.15	22.25	22.27						
1.4	16QAM	1	0	21.89	21.69	21.19						
1.4	16QAM	1	41	21.67	21.61	21.17						
1.4	16QAM	3	0	21.89	21.89	21.19	23	1				
1.4	16QAM	3	22	21.89	21.84	21.15						
1.4	16QAM	6	0	21.26	21.24	21.08	22	2				
1.4	16QAM	6	22	20.31	20.34	20.12						
1.4	16QAM	1	0	20.31	20.29	20.20						
1.4	16QAM	1	33	20.31	20.28	20.20	22	2				
1.4	16QAM	6	0	20.28	20.28	20.10						
1.4	16QAM	6	22	20.28	20.28	20.10						
1.4	16QAM	1	0	20.23	20.30	20.14						
1.4	16QAM	1	33	20.23	20.23	20.10	21	3				
1.4	16QAM	6	0	19.28	19.26	19.28						
1.4	16QAM	6	22	19.28	19.26	19.28						
1.4	16QAM	1	0	17.38	17.46	17.28						
1.4	16QAM	1	33	17.31	17.61	17.30	19	5				
1.4	16QAM	6	0	17.31	17.47	17.28						
1.4	16QAM	6	22	17.31	17.47	17.28						
1.4	16QAM	1	0	17.45	17.33	17.15						
1.4	16QAM	1	33	17.38	17.47	17.15						

Band 71_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm) Ch. 1/2	Power (dBm) Ch. 1/2	Power (dBm) Ch. 1/2	Time-slot (ms)	MPT (dB)	
Channel									
Frequency (MHz)				13332	13302	13372			
20	QPSK	1	0	22.38	22.38	22.38	24	0	
20	QPSK	1	40	22.38	22.38	22.38			
20	QPSK	1	80	22.38	22.38	22.38			
20	QPSK	60	0	21.48	21.48	21.48	23	1	
20	QPSK	60	24	21.48	21.48	21.48			
20	QPSK	60	48	21.48	21.48	21.48			
20	QPSK	160	0	21.48	21.50	21.49	23	1	
20	16QAM	1	0	21.48	21.48	21.48	24	0	
20	16QAM	1	40	21.68	21.63	21.69	23	1	
20	16QAM	1	80	21.67	21.56	21.61			
20	16QAM	60	0	20.55	20.55	20.55	23	1	
20	16QAM	60	24	20.45	20.67	20.43	22		
20	16QAM	60	48	20.45	20.67	20.43			
20	16QAM	160	0	20.50	20.57	20.63	22		
20	64QAM	1	0	20.47	20.64	20.54	22		
20	64QAM	1	40	20.47	20.64	20.54			
20	64QAM	1	80	20.47	20.64	20.54			
20	64QAM	60	0	19.72	19.78	19.82	21		
20	64QAM	60	24	19.72	19.78	19.82			
20	64QAM	60	48	19.85	19.56	19.69			
20	256QAM	1	0	17.43	17.38	17.43	19	5	
20	256QAM	1	40	17.30	17.48	17.41			
20	256QAM	1	80	17.30	17.55	17.38			
20	256QAM	60	0	17.37	17.41	17.41	19	5	
20	256QAM	60	24	17.43	17.48	17.48			
20	256QAM	60	48	17.33	17.38	17.32			
20	256QAM	160	0	17.35	17.43	17.43			
Channel									
Frequency (MHz)				6913	6883	6953	Time-slot (ms)	MPT (dB)	
15	QPSK	1	0	22.48	22.53	22.28	24	0	
15	QPSK	1	40	22.48	22.48	22.48			
15	QPSK	1	80	22.48	22.48	22.48			
15	QPSK	60	0	21.31	21.42	21.30	23	1	
15	QPSK	60	24	21.58	21.34	21.23			
15	QPSK	60	48	21.58	21.34	21.23			
15	16QAM	1	0	21.34	21.47	21.33	23	1	
15	16QAM	1	40	21.49	21.58	21.51			
15	16QAM	1	80	21.48	21.48	21.48			
15	16QAM	60	0	20.30	20.67	20.33	22		
15	16QAM	60	24	20.30	20.67	20.33			
15	16QAM	60	48	20.40	20.81	20.33			
15	16QAM	160	0	20.40	20.47	20.48	22		
15	16QAM	160	24	20.40	20.47	20.48			
15	16QAM	160	48	20.20	20.28	20.28	22	2	
15	64QAM	1	0	19.88	19.84	19.41	21	3	
15	64QAM	60	0	19.47	19.36	19.33			
15	64QAM	60	24	19.41	19.41	19.41			
15	64QAM	160	0	19.30	19.53	19.29			
15	256QAM	1	0	17.35	17.35	17.44	19	5	
15	256QAM	1	40	17.35	17.34	17.49			
15	256QAM	1	80	17.43	17.43	17.43			
15	256QAM	60	0	17.31	17.44	17.42			
15	256QAM	60	24	17.31	17.43	17.43			
15	256QAM	60	48	17.40	17.45	17.40			
15	256QAM	160	0	17.34	17.43	17.44			
Channel									
Frequency (MHz)				13179	13109	13242	Time-slot (ms)	MPT (dB)	
20	QPSK	1	0	22.34	22.63	22.29	24	0	
20	QPSK	1	40	22.32	22.44	22.21			
20	QPSK	1	80	22.32	22.44	22.21			
20	QPSK	60	0	21.44	21.48	21.43	23	1	
20	QPSK	60	24	21.38	21.36	21.23			
20	QPSK	60	48	21.38	21.36	21.23			
20	QPSK	160	0	21.44	21.48	21.43	23	1	
20	16QAM	1	0	21.44	21.48	21.43	24	0	
20	16QAM	1	40	21.60	21.57	21.57	23	1	
20	16QAM	1	80	21.58	21.59	21.41			
20	16QAM	60	0	20.44	20.59	20.39	22	2	
20	16QAM	60	24	20.38	20.50	20.33			
20	16QAM	60	48	20.38	20.50	20.33			
20	16QAM	160	0	20.36	20.51	20.39	22		
20	16QAM	160	24	20.36	20.51	20.39			
20	16QAM	160	48	20.20	20.31	20.25	22	2	
20	64QAM	1	0	19.83	19.80	19.41	21	3	
20	64QAM	60	0	19.44	19.42	19.33			
20	64QAM	60	24	19.44	19.42	19.33			
20	64QAM	160	0	19.30	19.43	19.69			
20	256QAM	1	0	17.40	17.40	17.40	19	5	
20	256QAM	1	40	17.40	17.40	17.40			
20	256QAM	1	80	17.40	17.40	17.40			
20	256QAM	60	0	17.45	17.50	17.48			
20	256QAM	60	24	17.45	17.50	17.48			
20	256QAM	60	48	17.45	17.50	17.48			
20	256QAM	160	0	17.42	17.48	17.48	19	5	
20	256QAM	160	24	17.42	17.48	17.48			
20	256QAM	160	48	17.42	17.48	17.48			
Channel									
Frequency (MHz)				6865 <th>6845<th>6885</th><th>Time-slot (ms)</th><th>MPT (dB)</th><th></th></th>	6845 <th>6885</th> <th>Time-slot (ms)</th> <th>MPT (dB)</th> <th></th>	6885	Time-slot (ms)	MPT (dB)	
5	QPSK	1	0	22.38	22.44	22.26	24	0	
5	QPSK	1	40	22.38	22.38	22.38			
5	QPSK	1	80	22.38	22.38	22.38			
5	QPSK	12	0	21.43	21.39	21.32	23	1	
5	QPSK	12	4	21.43	21.39	21.32			
5	QPSK	12	8	21.43	21.39	21.32			
5	QPSK	12	13	21.08	21.30	21.20	23	1	
5	QPSK	12	17	21.08	21.30	21.20			
5	16QAM	1	0	21.38	21.45	21.08	23	1	
5	16QAM	1	12	20.47	20.41	20.48	23	1	
5	16QAM	1	24	20.47	20.41	20.48			
5	16QAM	12	0	20.44	20.58	20.31	22	2	
5	16QAM	12	4	20.44	20.58	20.31			
5	16QAM	12	8	20.44	20.58	20.31			
5	16QAM	12	13	20.20	20.22	20.28	22	2	
5	16QAM	12	17	20.20	20.22	20.28			
5	64QAM	1	0	19.33	19.33	19.33	21	3	
5	64QAM	12	7	19.55	19.58	19.38			
5	64QAM	12	11	19.55	19.58	19.38			
5	64QAM	12	7	19.38	19.38	19.38			
5	256QAM	1	0	17.41	17.36	17.44	19	5	
5	256QAM	1	4	17.32	17.42	17.32			
5	256QAM	1	8	17.32	17.42	17.32			
5	256QAM	1	24	17.31	17.31	17.33			
5	256QAM	12	7	17.40	17.40	17.40			
5	256QAM	12	7	17.33	17.49	17.42	19	5	
5	256QAM	12	13	17.33	17.42	17.42			

Band 38_Ant 2									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch [Watt]	Power Meds Ch [Watt]	Power High Ch [Watt]	Turn-up [dB]	MPR [dB]	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.60	22.60	22.60			
20	QPSK	1	40	22.60	22.60	22.60	24	0	
20	QPSK	1	90	22.60	22.60	22.60			
20	QPSK	50	0	21.50	21.50	21.50	23	1	
20	QPSK	50	24	21.50	21.50	21.50			
20	QPSK	50	50	21.50	21.50	21.50			
20	QPSK	100	0	21.50	21.50	21.50			
20	16QAM	1	0	21.70	21.70	21.70			
20	16QAM	1	40	21.80	21.70	21.80	23	1	
20	16QAM	1	90	21.70	21.80	21.70			
20	16QAM	50	0	20.80	20.80	20.80			
20	16QAM	50	24	20.80	20.80	20.80			
20	16QAM	50	50	20.80	20.80	20.80	22	2	
20	16QAM	100	0	20.80	20.80	20.80			
20	16QAM	1	40	20.80	20.80	20.80	22	2	
20	16QAM	1	90	20.80	20.80	20.80			
20	16QAM	50	0	19.40	19.50	19.50			
20	16QAM	50	24	19.50	19.50	19.50	21	3	
20	16QAM	50	50	19.50	19.50	19.50			
20	16QAM	100	0	19.50	19.50	19.50			
20	256QAM	1	0	17.40	17.40	17.40			
20	256QAM	1	40	17.20	17.30	17.40	19	5	
20	256QAM	1	90	17.20	17.40	17.30			
20	256QAM	50	0	17.20	17.30	17.30			
20	256QAM	50	24	17.20	17.30	17.30	19	5	
20	256QAM	50	50	17.20	17.30	17.30			
20	256QAM	100	0	17.20	17.30	17.30			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.70	22.70	22.70			
15	QPSK	1	37	22.50	22.40	22.60	24	0	
15	QPSK	1	74	22.50	22.50	22.50			
15	QPSK	36	0	21.60	21.60	21.60	23	1	
15	QPSK	36	20	21.40	21.30	21.50			
15	QPSK	36	50	21.50	21.50	21.50			
15	QPSK	75	0	21.50	21.50	21.50			
15	16QAM	1	0	21.60	21.60	21.60	23	1	
15	16QAM	1	37	21.50	21.50	21.50			
15	16QAM	1	74	21.60	21.60	21.60			
15	16QAM	36	0	20.40	20.50	20.50	22	2	
15	16QAM	36	20	20.40	20.40	20.40			
15	16QAM	36	50	20.40	20.40	20.40			
15	16QAM	75	0	20.40	20.50	20.40			
15	16QAM	1	37	20.40	20.40	20.40	22	2	
15	16QAM	1	74	20.50	20.50	20.50			
15	16QAM	36	0	19.40	19.30	19.30	21	3	
15	16QAM	36	20	19.30	19.30	19.30			
15	16QAM	36	50	19.30	19.30	19.30			
15	16QAM	75	0	19.30	19.30	19.30			
15	256QAM	1	0	17.20	17.20	17.20			
15	256QAM	1	37	17.20	17.20	17.20	19	5	
15	256QAM	1	74	17.20	17.20	17.20			
15	256QAM	36	0	17.20	17.20	17.20	19	5	
15	256QAM	36	20	17.20	17.20	17.20			
15	256QAM	36	50	17.20	17.20	17.20			
15	256QAM	75	0	17.20	17.20	17.20			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.50	22.50	22.50			
10	QPSK	1	25	22.50	22.50	22.50	24	0	
10	QPSK	1	40	22.50	22.50	22.50			
10	QPSK	25	0	21.60	21.60	21.60	23	1	
10	QPSK	25	12	21.40	21.40	21.40			
10	QPSK	25	25	21.40	21.40	21.40			
10	QPSK	50	0	21.60	21.60	21.60			
10	16QAM	1	25	21.60	21.60	21.60	23	1	
10	16QAM	1	40	21.60	21.60	21.60			
10	16QAM	25	0	20.40	20.40	20.40	22	2	
10	16QAM	25	12	20.40	20.40	20.40			
10	16QAM	25	25	20.40	20.40	20.40			
10	16QAM	50	0	20.40	20.40	20.40			
10	16QAM	1	40	20.50	20.50	20.50	22	2	
10	16QAM	25	0	19.30	19.40	19.40	21	3	
10	16QAM	25	12	19.40	19.30	19.30			
10	16QAM	25	25	19.50	19.50	19.50			
10	256QAM	1	0	17.20	17.20	17.20			
10	256QAM	1	25	17.10	17.10	17.10	19	5	
10	256QAM	1	40	17.20	17.20	17.20			
10	256QAM	25	0	17.20	17.20	17.20	19	5	
10	256QAM	25	12	17.20	17.20	17.20			
10	256QAM	25	25	17.20	17.20	17.20			
10	256QAM	50	0	17.20	17.20	17.20			

Band 38_Ant 9									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch / Freq [Watt]	Power Meds Ch / Freq [Watt]	Power High Ch / Freq [Watt]	Turn-up [dB]	MPR [dB]	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.80	22.80	22.80			
20	QPSK	1	40	22.70	22.70	22.70	24	0	
20	QPSK	1	90	22.80	22.80	22.80			
20	QPSK	50	0	21.80	21.80	21.80	23	1	
20	QPSK	50	24	21.80	21.80	21.80			
20	QPSK	100	0	21.80	21.80	21.80			
20	16QAM	1	0	21.70	21.70	21.80			
20	16QAM	1	40	21.70	21.70	21.80	23	1	
20	16QAM	1	90	21.70	21.80	21.70			
20	16QAM	50	0	20.80	20.80	20.80			
20	16QAM	50	24	20.80	20.80	20.80	22	2	
20	16QAM	100	0	20.80	20.80	20.80			
20	16QAM	1	40	20.70	20.70	20.80			
20	16QAM	50	0	19.80	19.80	19.80			
20	16QAM	50	24	19.80	19.80	19.80	21	3	
20	16QAM	50	50	19.80	19.80	19.80			
20	256QAM	1	0	17.60	17.70	17.80			
20	256QAM	1	40	17.40	17.50	17.50	19	5	
20	256QAM	1	90	17.60	17.60	17.60			
20	256QAM	50	0	17.60	17.60	17.60			
20	256QAM	50	24	17.60	17.60	17.60	19	5	
20	256QAM	50	50	17.60	17.60	17.60			
20	256QAM	100	0	17.60	17.60	17.60			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.80	22.70	22.80			
15	QPSK	1	37	22.80	22.50	22.80	24	0	
15	QPSK	1	74	22.80	22.80	22.70			
15	QPSK	36	0	21.80	21.80	21.80	23	1	
15	QPSK	36	20	21.80	21.80	21.80			
15	QPSK	36	50	21.80	21.80	21.80			
15	QPSK	75	0	21.70	21.50	21.70			
15	16QAM	1	0	21.60	21.70	21.80	23	1	
15	16QAM	1	37	21.50	21.70	21.80			
15	16QAM	1	74	21.60	21.70	21.80			
15	16QAM	36	0	20.70	20.80	20.70	22	2	
15	16QAM	36	20	20.70	20.70	20.70			
15	16QAM	36	50	20.70	20.70	20.70			
15	16QAM	75	0	20.70	20.70	20.70			
15	16QAM	1	37	20.50	20.50	20.50	22	2	
15	16QAM	1	74	20.50	20.50	20.50			
15	16QAM	36	0	19.70	19.70	19.80	21	3	
15	16QAM	36	20	19.70	19.70	19.70			
15	16QAM	36	50	19.70	19.70	19.70			
15	16QAM	75	0	19.80	19.80	19.80			
15	256QAM	1	0	17.40	17.40	17.40			
15	256QAM	1	37	17.40	17.40	17.40	19	5	
15	256QAM	1	74	17.40	17.40	17.40			
15	256QAM	36	0	17.40	17.40	17.40	19	5	
15	256QAM	36	20	17.40	17.40	17.40			
15	256QAM	36	50	17.40	17.40	17.40			
15	256QAM	75	0	17.40	17.40	17.40			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.70	22.60	22.70			
10	QPSK	1	20	22.70	22.50	22.70	24	0	
10	QPSK	1	40	22.70	22.70	22.60			
10	QPSK	12	0	21.80	21.80	21.80	23	1	
10	QPSK	12	6	21.70	21.70	21.70			
10	QPSK	12	13	21.80	21.77	21.80			
10	QPSK	25	0	21.70	21.70	21.70			
10	16QAM	1	0	21.60	21.64	21.70			
10	16QAM	1	12	21.67	21.64	21.60	23	1	
10	16QAM	1	25	21.60	21.62	21.70			
10	16QAM	12	0	20.80	20.83	20.70			
10	16QAM	12	6	20.77	20.84	21.00			
10	16QAM	12	13	20.81	20.81	20.80	22	2	
10	16QAM	25	0	20.70	20.80	21.00			
10	16QAM	25	6	20.65	20.70	20.70			
10	16QAM	1	12	20.50	20.49	20.60	21	3	
10	16QAM	25	0	19.70	19.80	20.00			
10	16QAM	25	6	19.60	19.80	19.80			
10	16QAM	25	13	19.74	19.87	19.94	21	3	
10	256QAM	1	0	17.40	17.40	17.40			
10	256QAM	1	20	17.40	17.40	17.40	19	5	
10	256QAM	1	40	17.40	17.40	17.40			
10	256QAM	12	0	17.40	17.40	17.40	19	5	
10	256QAM	12	6	17.38	17.38	17.40			
10	256QAM	12	13	17.40	17.40	17.40			

[illegible]

Band 41 (HPUE)_Ant_2											
RF	Modulation	RIS Size	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Time-on-Air (min)	MFR (dB)
Channel				39750	41855	46020	47655	41450			
Frequency (MHz)											
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	1	48	25.75	25.22	25.22	25.33	25.71		27	0
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	50	24	24.78	24.18	24.20	24.30	24.70		26	1
50	QPSK	50	0	20.58	24.31	24.38	24.48	24.70		21	8
20	QPSK	100	0	20.74	24.34	24.36	24.42	24.68		20	
50	QPSK	100	0	20.58	24.31	24.38	24.48	24.70		21	8
20	QPSK	1	48	24.87	24.47	24.22	24.77	24.88		26	1
50	QPSK	1	96	24.58	24.53	24.26	24.79	24.88		26	1
20	QPSK	50	24	24.58	24.53	24.26	24.79	24.88		26	1
50	QPSK	50	24	23.82	23.36	23.12	23.63	23.75		25	2
20	QPSK	100	0	20.58	23.36	23.38	23.48	23.75		25	2
50	QPSK	100	0	20.58	23.36	23.38	23.48	23.75		25	2
20	QPSK	1	96	23.88	23.38	23.21	23.72	23.71		25	2
50	QPSK	1	0	18.87	22.28	22.28	22.48	22.88		24	3
20	QPSK	50	24	22.47	22.28	22.28	22.48	22.88		24	3
50	QPSK	50	0	16.74	22.43	22.27	22.72	22.88		22	5
20	QPSK	100	0	16.74	22.43	22.27	22.72	22.88		22	5
50	QPSK	100	0	16.74	22.43	22.27	22.72	22.88		22	5
20	QPSK	1	0	15.79	20.21	20.21	20.37	20.54		22	5
50	QPSK	1	48	20.52	20.21	20.21	20.28	20.45		22	5
20	QPSK	50	24	20.51	20.19	20.20	20.23	20.45		22	5
50	QPSK	50	0	16.83	20.22	20.24	20.27	20.61		22	5
20	QPSK	100	0	16.83	20.22	20.24	20.27	20.61		22	5
50	QPSK	100	0	17.68	20.17	20.11	20.29	20.25		22	5
20	QPSK	100	100	16.89	20.15	20.09	20.30	20.54		22	5
Channel				39750	41855	46020	47655	41450			
Frequency (MHz)											
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	1	48	25.75	25.22	25.22	25.33	25.71		27	0
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	1	74	24.49	24.19	24.16	24.38	24.74		26	1
50	QPSK	1	0	20.58	24.34	24.22	24.48	24.74		26	1
20	QPSK	50	24	24.50	24.13	24.24	24.48	24.74		26	1
50	QPSK	50	0	20.58	24.31	24.38	24.48	24.70		26	1
20	QPSK	100	0	20.74	24.34	24.36	24.42	24.68		26	1
50	QPSK	100	0	20.58	24.31	24.38	24.48	24.70		26	1
20	QPSK	1	32	24.87	24.33	24.22	24.81	24.86		26	1
50	QPSK	1	96	24.73	24.52	24.26	24.79	24.88		26	1
20	QPSK	50	24	19.81	23.17	23.15	23.43	23.68		25	2
50	QPSK	50	24							25	2
20	QPSK	100	0	19.81	23.17	23.15	23.43	23.68		25	2
50	QPSK	100	0	19.81	23.17	23.15	23.43	23.68		25	2
20	QPSK	1	32	23.82	23.36	23.12	23.63	23.75		25	2
50	QPSK	1	96	23.75	23.36	23.12	23.68	23.75		25	2
20	QPSK	50	24	22.87	22.34	22.28	22.64	22.75		24	3
50	QPSK	50	24							24	3
20	QPSK	100	0	18.79	22.28	22.23	22.58	22.72		22	5
50	QPSK	100	0	18.79	22.28	22.23	22.58	22.72		22	5
20	QPSK	1	0	15.76	20.25	20.20	20.24	20.41		22	5
50	QPSK	1	48	20.51	20.25	20.20	20.24	20.41		22	5
20	QPSK	50	24	20.41	20.16	20.20	20.41	20.47		22	5
50	QPSK	50	24	20.41	20.16	20.20	20.41	20.47		22	5
20	QPSK	100	0	20.44	20.32	20.24	20.31	20.51		22	5
50	QPSK	100	0	20.44	20.32	20.24	20.31	20.51		22	5
20	QPSK	50	24	17.72	20.20	20.07	20.27	20.52		22	5
50	QPSK	50	24	16.67	20.16	20.03	20.23	20.48		22	5
Channel				39750	41855	46020	47655	41450			
Frequency (MHz)											
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	1	28	25.58	25.20	25.09	25.34	25.45		27	0
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	25	25	21.84	24.37	24.38	24.48	24.75		26	1
50	QPSK	25	12	24.59	24.29	24.11	24.46	24.63		26	1
20	QPSK	50	24	24.59	24.16	24.16	24.38	24.74		26	1
50	QPSK	50	0	21.76	24.33	24.17	24.48	24.69		26	1
20	QPSK	100	0	20.67	24.31	24.30	24.50	24.66		26	1
50	QPSK	100	0	20.58	24.32	24.30	24.50	24.66		26	1
20	QPSK	1	48	24.78	24.67	24.48	24.88	24.93		26	1
50	QPSK	1	96	24.69	24.68	24.41	24.93	25.03		26	1
20	QPSK	50	24	23.52	23.30	23.33	23.53	23.68		25	2
50	QPSK	50	24	23.59	23.33	23.33	23.53	23.68		25	2
20	QPSK	100	0	22.78	23.33	23.29	23.50	23.63		25	2
50	QPSK	100	0	20.93	23.34	23.21	23.59	23.71		25	2
20	QPSK	1	0	18.87	23.31	23.24	23.62	23.77		25	2
50	QPSK	1	48	23.31	23.30	23.24	23.70	23.85		25	2
20	QPSK	50	24	23.81	23.25	23.23	23.59	23.75		25	2
50	QPSK	50	24	19.87	22.28	22.34	22.48	22.84		24	3
20	QPSK	100	0	19.87	22.28	22.34	22.48	22.84		24	3
50	QPSK	100	0	19.87	22.28	22.34	22.48	22.84		24	3
20	QPSK	1	48	23.81	23.21	23.28	23.63	23.83		24	3
50	QPSK	1	96	23.75	23.21	23.28	23.63	23.83		24	3
20	QPSK	50	24	21.75	22.41	22.28	22.63	22.83		24	3
50	QPSK	50	24	21.75	22.41	22.28	22.63	22.83		24	3
20	QPSK	100	0	15.76	20.24	20.15	20.34	20.52		22	5
50	QPSK	100	0	20.48	20.22	20.14	20.19	20.51		22	5
20	QPSK	50	24	20.51	20.18	20.18	20.23	20.45		22	5
50	QPSK	50	0	17.93	20.26	20.31	20.28	20.54		22	5
20	QPSK	100	0	17.93	20.26	20.31	20.28	20.54		22	5
50	QPSK	100	0	19.57	20.26	20.22	20.29	20.54		22	5
20	QPSK	100	0	19.57	20.26	20.22	20.29	20.54		22	5
50	QPSK	100	0	17.86	20.26	20.21	20.21	20.47		22	5
Channel				39750	41855	46020	47655	41450			
Frequency (MHz)											
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	1	48	25.75	25.22	25.22	25.33	25.71		27	0
50	QPSK	1	0	20.58	25.12	25.20	25.30	25.51	25.63		
20	QPSK	1	24	25.39	25.13	25.29	25.52	25.63		26	1
50	QPSK	1	0	21.86	24.18	24.30	24.48	24.68		26	1
20	QPSK	50	24	21.82	24.17	24.24	24.48	24.68		26	1
50	QPSK	50	0	21.86	24.32	24.25	24.54	24.61		26	1
20	QPSK	100	0	21.86	24.32	24.25	24.54	24.61		26	1
50	QPSK	100	0	22.11	24.39	24.33	24.63	24.68		26	1
20	QPSK	1	12	24.71	24.39	24.28	24.72	24.83		26	1
50	QPSK	1	24	24.71	24.39	24.28	24.72	24.83		26	1
20	QPSK	50	24	20.84	23.28	23.22	23.58	23.62		25	2
50	QPSK	50	24	20.78	23.24	23.23	23.54	23.62		25	2
20	QPSK	100	0	20.91	23.27	23.27	23.53	23.73		25	2
50	QPSK	100	0	20.91	23.27	23.27	23.53	23.73		25	2
20	QPSK	1	12	23.59	23.24	23.24	23.57	23.77		25	2
50	QPSK	1	24	23.59	23.24	23.24	23.57	23.77		25	2
20	QPSK	50	24	23.70	23.27	23.28	23.68	23.75		25	2
50	QPSK	50	24	23.70	23.28	23.29	23.68	23.75		25	2
20	QPSK	100	0	19.82	22.24	22.29	22.64	22.83		24	3
50	QPSK	100	0	19.82	22.24	22.29	22.64	22.83		24	3
20	QPSK	1	0	10.88	22.25	22.40	22.50	22.83		22	5
50	QPSK	1	0	17.78	20.22	20.40	20.29	20.43		22	5
20	QPSK	50	24	20.44	20.22	20.22	20.23	20.45		22	5
50	QPSK	50	24	20.44	20.18	20.23	20.29	20.45		22	5
20	QPSK	100	0	17.04	20.22	20.12	20.37	20.45		22	5
50	QPSK	100	0	17.04	20.22	20.12	20.37	20.45		22	5
20	QPSK	12	13	20.55	20.27	20.20	20.37	20.56		22	5
50	QPSK	12	13	20.55	20.27	20.20	20.37	20.56		22	5

Band 41_Ant 9												
RF (MHz)	Modulation	RB Size	RF Offset	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Time-slot (ms)	MPE (dB)	
Channel												
Frequency (MHz)	Channel	RB Size	RF Offset	3950	4185	4620	4185	4185	4185	Time-slot (ms)	MPE (dB)	
20	QPSK	1	0	20.09	20.09	22.96	22.96	22.96	22.96	24	0	
20	QPSK	1	46	23.02	23.02	25.89	25.89	25.89	25.89	24	0	
20	QPSK	50	0	19.19	19.19	21.82	21.82	21.82	21.82	24	0	
20	QPSK	50	46	22.02	22.02	24.65	24.65	24.65	24.65	24	0	
20	QPSK	100	0	18.08	18.08	20.71	20.71	20.71	20.71	23	1	
20	QPSK	100	46	21.02	21.02	23.65	23.65	23.65	23.65	23	1	
20	QPSK	1	96	22.04	22.04	24.67	24.67	24.67	24.67	24	0	
20	QPSK	1	142	22.04	22.04	24.67	24.67	24.67	24.67	24	0	
20	QPSK	50	96	22.02	22.02	24.65	24.65	24.65	24.65	24	0	
20	QPSK	50	142	21.00	21.00	23.63	23.63	23.63	23.63	24	0	
20	QPSK	100	96	20.04	20.04	22.67	22.67	22.67	22.67	23	2	
20	QPSK	100	142	20.04	20.04	22.67	22.67	22.67	22.67	23	2	
20	QPSK	1	0	17.84	17.84	20.47	20.47	20.47	20.47	24	0	
20	QPSK	1	46	18.18	18.18	20.81	20.81	20.81	20.81	24	0	
20	QPSK	50	0	16.18	16.18	18.81	18.81	18.81	18.81	24	0	
20	QPSK	50	46	19.08	19.08	21.74	21.74	21.74	21.74	24	0	
20	QPSK	100	0	15.18	15.18	17.81	17.81	17.81	17.81	24	0	
20	QPSK	100	46	18.42	18.42	21.05	21.05	21.05	21.05	24	0	
20	QPSK	1	96	17.84	17.84	20.47	20.47	20.47	20.47	23	2	
20	QPSK	1	142	18.18	18.18	20.81	20.81	20.81	20.81	23	2	
20	QPSK	50	96	16.18	16.18	18.81	18.81	18.81	18.81	23	2	
20	QPSK	50	142	19.08	19.08	21.74	21.74	21.74	21.74	23	2	
20	QPSK	100	96	15.18	15.18	17.81	17.81	17.81	17.81	23	2	
20	QPSK	100	142	18.42	18.42	21.05	21.05	21.05	21.05	23	2	
Frequency (MHz)												
20	QPSK	1	0	20.09	20.09	22.97	22.97	22.97	22.97	24	0	
20	QPSK	1	46	23.02	23.02	25.90	25.90	25.90	25.90	24	0	
20	QPSK	1	96	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	1	142	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	50	0	18.08	18.08	20.74	20.74	20.74	20.74	23	1	
20	QPSK	50	46	21.02	21.02	23.68	23.68	23.68	23.68	23	1	
20	QPSK	50	96	20.08	20.08	22.71	22.71	22.71	22.71	23	1	
20	QPSK	50	142	22.02	22.02	24.65	24.65	24.65	24.65	23	1	
20	QPSK	100	0	16.17	16.17	18.79	18.79	18.79	18.79	23	2	
20	QPSK	100	46	19.17	19.17	21.82	21.82	21.82	21.82	23	2	
20	QPSK	100	96	18.08	18.08	20.71	20.71	20.71	20.71	23	2	
20	QPSK	100	142	21.02	21.02	23.65	23.65	23.65	23.65	23	2	
20	QPSK	1	0	17.84	17.84	20.47	20.47	20.47	20.47	24	0	
20	QPSK	1	46	18.18	18.18	20.81	20.81	20.81	20.81	24	0	
20	QPSK	50	0	16.18	16.18	18.81	18.81	18.81	18.81	24	0	
20	QPSK	50	46	19.08	19.08	21.74	21.74	21.74	21.74	24	0	
20	QPSK	100	0	15.18	15.18	17.81	17.81	17.81	17.81	24	0	
20	QPSK	100	46	18.42	18.42	21.05	21.05	21.05	21.05	24	0	
20	QPSK	1	96	17.84	17.84	20.47	20.47	20.47	20.47	23	2	
20	QPSK	1	142	18.18	18.18	20.81	20.81	20.81	20.81	23	2	
20	QPSK	50	96	16.18	16.18	18.81	18.81	18.81	18.81	23	2	
20	QPSK	50	142	19.08	19.08	21.74	21.74	21.74	21.74	23	2	
20	QPSK	100	96	15.18	15.18	17.81	17.81	17.81	17.81	23	2	
20	QPSK	100	142	18.42	18.42	21.05	21.05	21.05	21.05	23	2	
Frequency (MHz)												
20	QPSK	1	0	20.09	20.09	22.97	22.97	22.97	22.97	24	0	
20	QPSK	1	46	23.02	23.02	25.90	25.90	25.90	25.90	24	0	
20	QPSK	1	96	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	1	142	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	50	0	18.08	18.08	20.74	20.74	20.74	20.74	23	1	
20	QPSK	50	46	21.02	21.02	23.68	23.68	23.68	23.68	23	1	
20	QPSK	50	96	20.08	20.08	22.71	22.71	22.71	22.71	23	1	
20	QPSK	50	142	22.02	22.02	24.65	24.65	24.65	24.65	23	1	
20	QPSK	100	0	16.17	16.17	18.79	18.79	18.79	18.79	23	2	
20	QPSK	100	46	19.17	19.17	21.82	21.82	21.82	21.82	23	2	
20	QPSK	100	96	18.08	18.08	20.71	20.71	20.71	20.71	23	2	
20	QPSK	100	142	21.02	21.02	23.65	23.65	23.65	23.65	23	2	
20	QPSK	1	0	17.84	17.84	20.47	20.47	20.47	20.47	24	0	
20	QPSK	1	46	18.18	18.18	20.81	20.81	20.81	20.81	24	0	
20	QPSK	50	0	16.18	16.18	18.81	18.81	18.81	18.81	24	0	
20	QPSK	50	46	19.08	19.08	21.74	21.74	21.74	21.74	24	0	
20	QPSK	100	0	15.18	15.18	17.81	17.81	17.81	17.81	24	0	
20	QPSK	100	46	18.42	18.42	21.05	21.05	21.05	21.05	24	0	
20	QPSK	1	96	17.84	17.84	20.47	20.47	20.47	20.47	23	2	
20	QPSK	1	142	18.18	18.18	20.81	20.81	20.81	20.81	23	2	
20	QPSK	50	96	16.18	16.18	18.81	18.81	18.81	18.81	23	2	
20	QPSK	50	142	19.08	19.08	21.74	21.74	21.74	21.74	23	2	
20	QPSK	100	96	15.18	15.18	17.81	17.81	17.81	17.81	23	2	
20	QPSK	100	142	18.42	18.42	21.05	21.05	21.05	21.05	23	2	
Frequency (MHz)												
20	QPSK	1	0	20.09	20.09	22.97	22.97	22.97	22.97	24	0	
20	QPSK	1	46	23.02	23.02	25.90	25.90	25.90	25.90	24	0	
20	QPSK	1	96	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	1	142	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	50	0	18.08	18.08	20.74	20.74	20.74	20.74	23	1	
20	QPSK	50	46	21.02	21.02	23.68	23.68	23.68	23.68	23	1	
20	QPSK	50	96	20.08	20.08	22.71	22.71	22.71	22.71	23	1	
20	QPSK	50	142	22.02	22.02	24.65	24.65	24.65	24.65	23	1	
20	QPSK	100	0	16.17	16.17	18.79	18.79	18.79	18.79	23	2	
20	QPSK	100	46	19.17	19.17	21.82	21.82	21.82	21.82	23	2	
20	QPSK	100	96	18.08	18.08	20.71	20.71	20.71	20.71	23	2	
20	QPSK	100	142	21.02	21.02	23.65	23.65	23.65	23.65	23	2	
20	QPSK	1	0	17.84	17.84	20.47	20.47	20.47	20.47	24	0	
20	QPSK	1	46	18.18	18.18	20.81	20.81	20.81	20.81	24	0	
20	QPSK	50	0	16.18	16.18	18.81	18.81	18.81	18.81	24	0	
20	QPSK	50	46	19.08	19.08	21.74	21.74	21.74	21.74	24	0	
20	QPSK	100	0	15.18	15.18	17.81	17.81	17.81	17.81	24	0	
20	QPSK	100	46	18.42	18.42	21.05	21.05	21.05	21.05	24	0	
20	QPSK	1	96	17.84	17.84	20.47	20.47	20.47	20.47	23	2	
20	QPSK	1	142	18.18	18.18	20.81	20.81	20.81	20.81	23	2	
20	QPSK	50	96	16.18	16.18	18.81	18.81	18.81	18.81	23	2	
20	QPSK	50	142	19.08	19.08	21.74	21.74	21.74	21.74	23	2	
20	QPSK	100	96	15.18	15.18	17.81	17.81	17.81	17.81	23	2	
20	QPSK	100	142	18.42	18.42	21.05	21.05	21.05	21.05	23	2	
Frequency (MHz)												
20	QPSK	1	0	20.09	20.09	22.97	22.97	22.97	22.97	24	0	
20	QPSK	1	46	23.02	23.02	25.90	25.90	25.90	25.90	24	0	
20	QPSK	1	96	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	1	142	22.04	22.04	24.69	24.69	24.69	24.69	24	0	
20	QPSK	50	0	18.08	18.08	20.74	20.74	20.74	20.74	23	1	
20	QPSK	50	46	21.02	21.02	23.68	23.68	23.68	23.68	23	1	
20	QPSK	50	96	20.08	20.08	22.71	22.71	22.71	22.71	23	1	
20	QPSK	50	142	22.02	22.02	24.65	24.65	24.65	24.65	23	1	
20	QPSK	100	0	16.17	16.17	18.79	18.79	18.79	18.79	23	2	
20	QPSK	100	46	19.17	19.17	21.82	21.82	21.82	21.82	23	2	
20	QPSK	100	96	18.08	18.08	20.71	20.71	20.71	20.71	23	2	
20	QPSK	100	142	21.02	21.02	23.65	23.65	23.65	23.65	23	2	
20	QPSK	1	0	17.84	17.84	20.47	20.47	20.47	20.47	24	0	
20	QPSK	1	46	18.18	18.18	20.81	20.81	20.81	20.81	24	0	
20	QPSK	50	0	16.18	16.18	18.81	18.81	18.81	18.81	24	0	
20	QPSK	50	46	19.08	19.08	21.74	21.74	21.74	21.74	24	0	
20	QPSK	100	0	15.18	15.18	17.81	17.81	17.81	17.81	24	0	
20	QPSK	100	46	18.42	18.42	21.05	21.05					

[illegible]

Band 41 (HPUE)_Ant 1												
RF (MHz)	Modulation	RB Size	RB Offset	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Turn-up (dB)	MFR (dB)
Channel				39750	40185	40600	41005	41460				
Frequency (MHz)												
20	QPSK	1	0	20.53	20.53	20.53	20.53	20.48	20.48			
20	QPSK	1	49	20.53	20.53	20.53	20.53	20.48	20.48		27	0
20	QPSK	50	0	20.53	20.53	20.53	20.53	20.48	20.48			
20	QPSK	50	0	20.53	20.53	20.53	20.53	20.48	20.48			
20	QPSK	100	0	21.56	21.56	21.56	21.56	21.48	21.48		26	1
20	QPSK	100	0	21.56	21.56	21.56	21.56	21.48	21.48			
20	QPSK	1	49	21.51	21.49	21.50	21.50	21.46	21.43		26	1
20	QPSK	1	99	21.56	21.48	21.53	21.49	21.46	21.43			
20	QPSK	1	99	21.56	21.48	21.53	21.49	21.46	21.43			
20	QPSK	50	24	24.10	24.15	24.14	24.14	23.72	23.67		25	5
20	QPSK	50	24	24.10	24.15	24.14	24.14	23.72	23.67			
20	QPSK	100	0	19.86	20.20	20.85	20.87	20.87	20.87			
20	QPSK	1	0	18.74	24.12	24.17	23.87	23.88	23.85		25	5
20	QPSK	1	0	18.74	24.12	24.17	23.87	23.88	23.85			
20	QPSK	1	99	24.12	24.16	23.82	23.78	23.83	23.83			
20	QPSK	50	24	23.58	23.17	23.82	23.75	23.84	23.84		24	3
20	QPSK	50	24	23.58	23.17	23.82	23.75	23.84	23.84			
20	QPSK	100	0	19.69	21.23	20.86	20.85	20.85	20.87			
20	QPSK	1	49	21.56	21.11	21.74	21.67	21.68	21.68		22	5
20	QPSK	1	49	21.56	21.11	21.74	21.67	21.68	21.68			
20	QPSK	1	99	18.72	21.13	20.87	20.74	20.85	20.85			
20	QPSK	1	99	18.72	21.13	20.87	20.74	20.85	20.85			
20	QPSK	50	18	17.83	21.13	20.80	20.73	20.84	20.84		22	5
20	QPSK	50	18	17.83	21.13	20.80	20.73	20.84	20.84			
20	QPSK	100	0	18.54	20.17	20.91	20.76	20.83	20.83		Turn-up (dB)	MFR (dB)
Frequency (MHz)												
20	QPSK	1	0	20.53	20.43	20.53	20.43	20.48	20.48			
20	QPSK	1	0	20.53	20.43	20.53	20.43	20.48	20.48		27	0
20	QPSK	1	49	20.53	20.43	20.53	20.43	20.48	20.48			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.13	24.76	24.47	24.47	24.47		26	1
20	QPSK	50	0	24.88	24.13	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	100	0	19.97	20.30	20.98	20.72	20.83	20.83			
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47		26	1
20	QPSK	1	0	20.53	20.39	20.43	20.44	20.47	20.47			
20	QPSK	1	99	21.56	20.92	20.98	20.93	21.34	21.31			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			
20	QPSK	50	0	24.88	24.03	24.76	24.47	24.47	24.47			

Part 27Q_Band 42_Ant 7										
RF Modulation	RF Rate	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up (min)	MPR (dB)			
Channel			42190	42590	42690					
Frequency (MHz)			3460	3620	3620					
20 QPSK	1	0	22.25	22.43	22.52					
20 QPSK	1	49	22.32	22.46	22.54	24	0			
20 QPSK	1	99	22.29	22.35	22.14					
20 QPSK	5	0	21.30	21.30	21.30					
20 QPSK	50	24	21.35	21.36	21.30	23	1			
20 QPSK	50	50	21.36	21.36	21.34					
20 QPSK	100	0	21.35	21.35	21.31					
20 HQAM	1	0	21.13	21.13	21.17					
20 HQAM	1	49	21.12	21.20	21.14	23	1			
20 HQAM	1	99	21.12	21.09	21.14					
20 HQAM	50	0	20.38	20.45	20.33					
20 HQAM	50	24	20.33	20.34	20.33	22	2			
20 HQAM	50	50	20.35	20.34	20.33					
20 HQAM	100	0	20.36	20.34	20.39					
20 HQAM	100	0	20.33	20.28	20.29					
20 HQAM	1	49	20.19	20.26	20.26	22	2			
20 HQAM	1	99	20.12	20.22	20.17					
20 HQAM	5	0	19.35	19.36	19.35					
20 HQAM	50	24	19.37	19.46	19.36	21	3			
20 HQAM	50	50	19.37	19.33	19.34					
20 HQAM	100	0	19.36	19.37	19.37					
20 HQAM	1	49	17.46	17.59	17.48	19	5			
20 HQAM	1	99	17.25	17.25	17.15					
20 HQAM	5	0	17.26	17.25	17.15					
20 HQAM	50	24	17.41	17.51	17.36	19	5			
20 HQAM	50	50	17.42	17.29	17.31					
20 HQAM	100	0	17.40	17.28	17.27					
Channel			42190	42590	42690	Time-up (min)	MPR (dB)			
Frequency (MHz)			3462.5	3620	3622.5					
16 QPSK	1	0	22.28	22.28	22.28					
16 QPSK	1	37	22.31	22.18	22.07	24	0			
16 QPSK	1	74	22.23	22.15	22.04					
16 QPSK	5	0	21.33	21.36	21.35					
16 QPSK	50	20	21.30	21.24	21.25	23	1			
16 QPSK	50	39	21.31	21.24	21.19					
16 QPSK	75	0	21.38	21.22	21.19					
16 HQAM	1	0	21.03	21.04	21.19					
16 HQAM	1	37	21.04	21.07	21.08	23	1			
16 HQAM	1	74	21.07	21.11	21.09					
16 HQAM	50	0	20.25	20.29	20.26					
16 HQAM	50	20	20.25	20.24	20.29	22	2			
16 HQAM	50	39	20.20	20.23	20.15					
16 HQAM	75	0	20.27	20.24	20.26					
16 HQAM	1	0	20.52	20.18	20.12					
16 HQAM	1	37	20.13	20.08	20.01	22	2			
16 HQAM	1	74	20.17	20.14	20.15					
16 HQAM	50	0	19.28	19.36	19.32					
16 HQAM	50	20	19.25	19.25	19.25	21	3			
16 HQAM	50	39	19.15	19.15	19.15					
16 HQAM	75	0	19.22	19.26	19.20					
16 HQAM	1	0	18.26	17.26	17.26					
16 HQAM	1	37	17.42	17.36	17.39	19	5			
16 HQAM	1	74	17.25	17.36	17.36					
16 HQAM	50	0	17.35	17.34	17.17					
16 HQAM	50	20	17.20	17.24	17.26	19	5			
16 HQAM	50	39	17.25	17.26	17.15					
Channel			42190	42590	42690	Time-up (min)	MPR (dB)			
Frequency (MHz)			3462.5	3620	3622.5					
16 QPSK	1	0	22.25	22.24	22.14	24	0			
16 QPSK	1	25	22.25	22.22	22.12					
16 QPSK	1	50	22.25	22.25	22.15					
16 QPSK	25	0	21.29	21.21	21.14					
16 QPSK	25	12	21.10	21.10	21.10	23	1			
16 QPSK	25	25	21.11	21.17	21.16					
16 QPSK	50	0	21.11	21.13	21.12					
16 HQAM	1	0	21.04	21.04	21.04					
16 HQAM	1	25	21.04	21.09	21.13	23	1			
16 HQAM	25	0	20.18	20.19	20.18					
16 HQAM	25	12	20.27	20.18	20.16	22	2			
16 HQAM	25	25	20.16	20.22	20.22					
16 HQAM	50	0	20.34	20.18	20.10					
16 HQAM	1	0	20.48	20.04	20.14					
16 HQAM	1	49	20.04	20.15	20.02	22	2			
16 HQAM	25	0	19.21	19.24	19.34					
16 HQAM	25	12	19.31	19.30	19.19	21	3			
16 HQAM	25	25	19.28	19.30	19.24					
16 HQAM	50	0	19.25	19.27	19.25					
16 HQAM	50	0	17.41	17.21	17.34					
16 HQAM	1	25	17.35	17.34	17.22	19	5			
16 HQAM	1	49	17.15	17.16	17.06					
16 HQAM	25	0	17.22	17.22	17.18					
16 HQAM	25	12	17.22	17.23	17.26	19	5			
16 HQAM	25	25	17.39	17.37	17.26					
16 HQAM	50	0	17.24	17.11	17.16					

Part 96_Band 42_Ant 7										
RF Modulation	RF Rate	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up (min)	MPR (dB)			
Channel			43190	43340	43490					
Frequency (MHz)			3670	3675	3680					
20 QPSK	1	0	22.11	22.24	22.16					
20 QPSK	1	49	22.17	22.18	22.16	24	0			
20 QPSK	1	99	22.14	22.14	22.13					
20 QPSK	5	0	21.32	21.32	21.32					
20 QPSK	50	24	21.27	21.24	21.16	23	1			
20 QPSK	50	50	21.27	21.24	21.13					
20 HQAM	1	0	21.09	21.04	21.05					
20 HQAM	1	49	21.01	21.08	21.05	23	1			
20 HQAM	1	99	21.03	21.05	21.05					
20 HQAM	50	0	20.32	20.30	20.31					
20 HQAM	50	24	20.37	20.10	20.33	22	2			
20 HQAM	50	50	20.35	20.33	20.35					
20 HQAM	100	0	20.35	20.28	20.29					
20 HQAM	100	0	20.42	20.14	20.21					
20 HQAM	1	49	20.12	20.16	20.16	22	2			
20 HQAM	1	99	20.06	20.17	20.04					
20 HQAM	50	0	19.32	19.27	19.33					
20 HQAM	50	24	19.24	19.31	19.31	21	3			
20 HQAM	50	50	19.33	19.33	19.33					
20 HQAM	100	0	19.32	19.35	19.29					
20 HQAM	1	49	17.52	17.28	17.37	19	5			
20 HQAM	1	99	17.42	17.33	17.14					
20 HQAM	1	99	17.14	17.16	17.16					
20 HQAM	50	0	17.31	17.34	17.35					
20 HQAM	50	24	17.31	17.34	17.22	19	5			
20 HQAM	50	50	17.38	17.16	17.17					
20 HQAM	100	0	17.38	17.16	17.17					
Channel			43190	43340	43490	Time-up (min)	MPR (dB)			
Frequency (MHz)			3672.5	3675	3677.5					
16 QPSK	1	0	22.15	22.15	22.15					
16 QPSK	1	37	22.02	22.09	22.10	24	0			
16 QPSK	1	74	22.08	22.11	22.12					
16 QPSK	5	0	21.32	21.32	21.32					
16 QPSK	50	20	21.19	21.25	21.27	23	1			
16 QPSK	50	39	21.19	21.25	21.27					
16 QPSK	75	0	21.33	21.36	21.16					
16 HQAM	1	0	21.04	21.11	21.15					
16 HQAM	1	37	21.04	21.11	21.15	23	1			
16 HQAM	1	74	21.10	21.08	21.04					
16 HQAM	50	0	20.27	20.22	20.21					
16 HQAM	50	20	20.26	20.22	20.24	22	2			
16 HQAM	50	39	20.17	20.25	20.36					
16 HQAM	75	0	20.24	20.30	20.26					
16 HQAM	1	0	20.40	20.16	20.25					
16 HQAM	1	37	20.12	20.12	20.11	22	2			
16 HQAM	1	74	20.14	20.15	20.14					
16 HQAM	50	0	19.22	19.24	19.28					
16 HQAM	50	20	19.25	19.16	19.15	21	3			
16 HQAM	50	39	19.25	19.15	19.15					
16 HQAM	75	0	19.25	19.33	19.24					
16 HQAM	1	0	18.26	17.26	17.26					
16 HQAM	1	37	17.47	17.34	17.26	19	5			
16 HQAM	1	74	17.21	17.19	17.09					
16 HQAM	50	0	17.34	17.29	17.29					
16 HQAM	50	20	17.35	17.27	17.21	19	5			
16 HQAM	50	39	17.18	17.11	17.15					
16 HQAM	100	0	17.18	17.11	17.15					
Channel			43190	43340	43490	Time-up (min)	MPR (dB)			
Frequency (MHz)			3672.5	3675	3677.5					
16 QPSK	1	0	22.20	22.14	22.09	24	0			
16 QPSK	1	37	22.07	22.10	22.11					
16 QPSK	1	74	22.05	22.09	22.05					
16 QPSK	5	0	21.24	21.30	21.29					
16 QPSK	50	24	21.24	21.21	21.23	23	1			
16 QPSK	50	50	21.19	21.21	21.17					
16 QPSK	50	75	21.19	21.21	21.17					
16 HQAM	1	0	21.01	21.03	21.04					
16 HQAM	1	37	21.01	21.03	21.04	23	1			
16 HQAM	1	74	21.10	21.08	21.13					
16 HQAM	50	0	20.27	20.23	20.23					
16 HQAM	50	24	20.28	20.23	20.25	22	2			
16 HQAM	50	50	20.30	20.29	20.29					
16 HQAM	50	75	20.31	20.29	20.29					
16 HQAM	1	0	20.48	20.24	20.24					
16 HQAM	1	37	20.12	20.12	20.13	22	2			
16 HQAM	1	74	20.08	20.08	20.11					
16 HQAM	50	0	19.21	19.24	19.20					
16 HQAM	50	24	19.24	19.30	19.21	21	3			
16 HQAM	50	50	19.34	19.18	19.27					
16 HQAM	50	75	19.34	19.18	19.27					
16 HQAM	1	0	17.41	17.21	17.34					
16 HQAM	1	37	17.35	17.31	17.27	19	5			
16 HQAM	1	74	17.26	17.28	17.27					
16 HQAM	50	0	17.35	17.31	17.24					
16 HQAM	50	24	17.35	17.31	17.27	19	5			
16 HQAM	50	50	17.17	17.13	17.16					
16 HQAM	100	0	17.17	17.13	17.16					
Channel			43190	43340	43490	Time-up (min)	MPR (dB)			
Frequency (MHz)			3672.5	3675	3677.5					
16 QPSK	1	0	22.20	22.14	22.09	24	0			
16 QPSK	1	37	22.07	22.10	22.11					
16 QPSK	1	74	22.05	22.09	22.05					
16 QPSK	5	0	21.24	21.30	21.29					
16 QPSK	50	24	21.24	21.21	21.23	23	1			
16 QPSK	50	50	21.19	21.21	21.17					
16 QPSK	50	75	21.19	21.21	21.17					
16 HQAM	1	0	21.01	21.03	21.04					
16 HQAM	1	37	21.01	21.03	21.04	23	1			
16 HQAM	1	74	21.10	21.08	21.13					
16 HQAM	50	0	20.27	20.23	20.23					
16 HQAM	50	24	20.28	20.23	20.25	22	2			
16 HQAM	50	50	20.30	20.29	20.29					
16 HQAM	50	75	20.31	20.29	20.29					
16 HQAM	1	0	20.48	20.24	20.24					
16 HQAM	1	37	20.12	20.12	20.13	22	2			
16 HQAM	1	74	20.08	20.08	20.11					
16 HQAM	50	0	19.21	19.24	19.20					
16 HQAM	50	24	19.24	19.30	19.21	21	3			
16 HQAM	50	50	19.34	19.18	19.27					
16 HQAM	50	75	19.34	19.18	19.27					
16 HQAM	1	0	17.41	17.21	17.34					
16 HQAM	1	37	17.35	17.31	17.27	19	5			
16 HQAM	1	74	17.26	17.28	17.27					
16 HQAM	50	0	17.35	17.31	17.24					
16 HQAM	50	24	17.35	17.31	17.27	19	5			
16 HQAM	50	50	17.17	17.13	17.16					
16 HQAM	100	0	17.17	17.13	17.16					

Reduced Power Mode for ECI 6

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		31.64	31.78	31.65	33.50	22.64	22.78	22.65	24.50
GPRS 1 Tx slot		31.65	31.75	31.71	33.50	22.65	22.75	22.71	24.50
GPRS 2 Tx slots		30.86	30.99	30.82	32.50	24.86	24.99	24.82	26.50
GPRS 3 Tx slots		28.98	29.17	29.06	30.50	24.72	24.91	24.80	26.24
GPRS 4 Tx slots		28.00	28.10	27.92	29.50	25.00	25.10	24.92	26.50
EDGE 1 Tx slot		26.52	26.53	26.41	27.50	17.52	17.53	17.41	18.50
EDGE 2 Tx slots		25.27	25.40	25.22	26.00	19.27	19.40	19.22	20.00
EDGE 3 Tx slots		22.77	22.88	22.82	24.00	18.51	18.62	18.56	19.74
EDGE 4 Tx slots		21.25	21.31	21.13	22.50	18.25	18.31	18.13	19.50

29.63

GSM1900_Ant 2		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.11	29.28	29.24	30.50	20.11	20.28	20.24	21.50
GPRS 1 Tx slot		29.03	29.21	29.16	30.50	20.03	20.21	20.16	21.50
GPRS 2 Tx slots		28.36	28.43	28.27	29.50	22.36	22.43	22.27	23.50
GPRS 3 Tx slots		26.57	26.63	26.49	27.50	22.31	22.37	22.23	23.24
GPRS 4 Tx slots		25.52	25.55	25.48	26.50	22.52	22.55	22.48	23.50
EDGE 1 Tx slot		25.95	25.99	25.88	26.50	16.95	16.99	16.88	17.50
EDGE 2 Tx slots		24.88	24.92	24.81	25.50	18.88	18.92	18.81	19.50
EDGE 3 Tx slots		22.66	22.82	22.69	23.50	18.40	18.56	18.43	19.24
EDGE 4 Tx slots		21.41	21.55	21.50	22.50	18.41	18.55	18.50	19.50

Band		WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.72	21.84	21.75	23.00	22.06	22.13	22.01	23.50	22.45	22.50	22.42	24.00
3GPP Rel 99	RMC 12.2Kbps	21.78	21.92	21.81	23.00	22.16	22.17	22.15	23.50	22.47	22.53	22.45	24.00
3GPP Rel 6	HSDPA Subtest-1	21.71	21.68	21.78	23.00	21.92	21.84	21.82	23.00	21.58	21.53	21.50	23.00
3GPP Rel 6	HSDPA Subtest-2	21.67	21.63	21.78	23.00	21.84	21.86	21.80	23.00	21.55	21.53	21.48	23.00
3GPP Rel 6	HSDPA Subtest-3	21.15	21.13	21.35	22.50	21.35	21.36	21.34	22.50	21.07	21.09	21.02	22.50
3GPP Rel 6	HSDPA Subtest-4	21.17	21.08	21.25	22.50	21.34	21.37	21.30	22.50	21.02	20.99	21.03	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.56	21.59	21.69	23.00	21.82	21.64	21.68	23.00	21.46	21.48	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.53	21.57	21.68	23.00	21.66	21.68	21.76	23.00	21.54	21.34	21.47	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.01	21.34	22.50	21.34	21.28	21.24	22.50	20.87	20.98	20.99	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.16	20.94	21.08	22.50	21.32	21.22	21.17	22.50	20.82	20.98	21.00	22.50
3GPP Rel 6	HSUPA Subtest-1	19.69	19.69	19.69	21.00	19.85	19.87	19.84	21.00	19.35	19.54	19.42	21.00
3GPP Rel 6	HSUPA Subtest-2	19.68	19.65	19.68	20.50	19.88	19.82	19.86	20.50	19.39	19.39	19.42	20.50
3GPP Rel 6	HSUPA Subtest-3	20.72	20.71	20.71	21.50	20.90	20.90	20.87	21.50	20.57	20.50	20.42	21.50
3GPP Rel 6	HSUPA Subtest-4	19.19	19.15	19.21	20.50	19.44	19.38	19.33	20.50	19.03	19.04	19.08	20.50
3GPP Rel 6	HSUPA Subtest-5	20.70	20.70	20.80	22.50	20.90	20.90	20.80	22.50	20.61	20.53	20.68	22.50

Band 2_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power Mid Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Turn-on time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
18700 18690 18700											
20	QPSK	1	0	21.70	21.65	21.65	23.5	0			
20	QPSK	1	49	21.67	21.72	21.69					
20	QPSK	1	99	21.73	21.63	21.71					
20	QPSK	50	0	21.40	21.45	21.42					
20	QPSK	50	24	21.32	21.38	21.40					
20	QPSK	50	50	21.28	21.30	21.35	23	0.5			
20	QPSK	100	0	21.38	21.39	21.35					
20	16QAM	1	0	21.60	21.47	21.50					
20	16QAM	1	49	21.55	21.56	21.59					
20	16QAM	1	99	21.55	21.56	21.59					
20	16QAM	50	0	20.48	20.34	20.34	22	1.5			
20	16QAM	50	24	20.50	20.39	20.30					
20	16QAM	100	0	20.54	20.51	20.54					
20	16QAM	100	50	20.54	20.51	20.54					
20	64QAM	1	0	20.39	20.53	20.37					
20	64QAM	1	99	20.51	20.50	20.31	22	1.5			
20	64QAM	50	0	19.56	19.57	19.30					
20	64QAM	50	24	19.35	19.37	19.40					
20	64QAM	100	0	19.56	19.54	19.26					
20	64QAM	100	50	19.56	19.54	19.26					
20	256QAM	1	0	17.23	17.28	17.28	19	4.5			
20	256QAM	1	49	17.23	17.28	17.28					
20	256QAM	50	0	17.12	17.25	17.16					
20	256QAM	50	24	17.06	17.09	17.08					
20	256QAM	100	0	17.07	17.08	17.22					
20	256QAM	100	50	17.07	17.26	17.18	19	4.5			
Channel											
Frequency (MHz)											
18675 18660 18675											
15	QPSK	1	0	21.69	21.71	21.67			23.5	0	
15	QPSK	1	37	21.69	21.71	21.68					
15	QPSK	1	74	21.73	21.53	21.57					
15	QPSK	50	0	21.50	21.56	21.56					
15	QPSK	50	25	21.58	21.53	21.52					
15	QPSK	36	20	21.57	21.52	21.52	23	0.5			
15	QPSK	36	39	21.50	21.56	21.56					
15	QPSK	75	0	21.29	21.28	21.22					
15	16QAM	1	0	21.43	21.32	21.29					
15	16QAM	1	49	21.43	21.32	21.29					
15	16QAM	1	74	21.48	21.48	21.37	23	0.5			
15	16QAM	36	0	20.52	20.58	20.51					
15	16QAM	36	39	20.50	20.54	20.54					
15	16QAM	36	74	20.52	20.47	20.18					
15	16QAM	75	0	20.52	20.58	20.58					
15	64QAM	1	0	20.53	20.43	20.31	22	1.5			
15	64QAM	1	37	20.50	20.58	20.58					
15	64QAM	1	74	20.54	20.51	20.31					
15	64QAM	36	0	19.25	19.11	19.23					
15	64QAM	36	39	19.15	19.15	19.31					
15	256QAM	1	0	17.16	17.25	17.22	19	4.5			
15	256QAM	1	37	17.15	17.23	17.18					
15	256QAM	1	74	17.16	17.19	17.19					
15	256QAM	36	0	17.03	17.21	17.19					
15	256QAM	36	39	17.19	17.22	17.27					
15	256QAM	36	74	17.16	17.18	17.11	19	4.5			
15	256QAM	75	0	17.20	17.18	17.07					
Channel											
Frequency (MHz)											
18650 18660 18650											
10	QPSK	1	0	21.76	21.84	21.86	23.5	0			
10	QPSK	1	24	21.86	21.84	21.86					
10	QPSK	1	49	21.85	21.80	21.84					
10	QPSK	25	0	21.21	21.36	21.30					
10	QPSK	25	12	21.30	21.26	21.28					
10	QPSK	25	25	21.08	21.19	21.21	23	0.5			
10	QPSK	50	0	21.36	21.31	21.25					
10	QPSK	50	24	21.46	21.31	21.26					
10	16QAM	1	25	21.42	21.19	21.14					
10	16QAM	1	74	20.25	20.36	20.28					
10	16QAM	25	0	20.35	20.18	20.26	22	1.5			
10	16QAM	25	12	20.27	20.31	20.17					
10	16QAM	25	25	20.12	20.33	20.33					
10	16QAM	50	0	20.16	20.19	20.21					
10	16QAM	50	24	20.43	20.39	20.17					
10	64QAM	1	0	20.53	20.39	20.31	22	1.5			
10	64QAM	1	49	20.59	20.33	20.19					
10	64QAM	25	0	19.34	19.07	19.29					
10	64QAM	25	12	19.32	19.33	19.32					
10	64QAM	25	25	19.22	19.15	19.31					
10	256QAM	1	0	17.06	17.17	17.19	19	4.5			
10	256QAM	1	25	17.16	17.17	17.16					
10	256QAM	1	49	17.16	17.22	17.22					
10	256QAM	25	0	17.15	17.06	17.14					
10	256QAM	25	12	17.06	17.06	17.23					
10	256QAM	25	25	17.16	17.21	17.23	19	4.5			
10	256QAM	50	0	17.06	17.18	17.23					
Channel											
Frequency (MHz)											
18625 18600 18625											
5	QPSK	1	0	21.70	21.80	21.87	23.5	0			
5	QPSK	1	12	21.86	21.88	21.85					
5	QPSK	1	24	21.86	21.84	21.86					
5	QPSK	1	49	21.85	21.80	21.84	23	0.5			
5	QPSK	12	0	21.15	21.30	21.37					
5	QPSK	12	13	21.22	21.23	21.23					
5	QPSK	12	25	21.04	21.19	21.21	23	0.5			
5	QPSK	25	0	21.36	21.31	21.25					
5	QPSK	25	12	21.21	21.26	21.28					
5	16QAM	1	0	21.58	21.37	21.29	23	0.5			
5	16QAM	1	12	21.60	21.31	21.24					
5	16QAM	1	24	21.60	21.31	21.24					
5	16QAM	12	0	20.30	20.27	20.27	22	1.5			
5	16QAM	12	13	20.36	20.25	20.13					
5	16QAM	25	0	20.25	20.48	20.28					
5	16QAM	25	12	20.35	20.39	20.27	22	1.5			
5	16QAM	25	25	20.33	20.44	20.11					
5	16QAM	50	0	19.25	19.15	19.31					
5	64QAM	1	7	19.19	19.26	19.35	21	2.5			
5	64QAM	12	0	19.22	19.30	19.30					
5	64QAM	12	13	19.22	19.30	19.30					
5	64QAM	25	0	19.15	19.23	19.30	19	4.5			
5	64QAM	25	12	19.15	19.23	19.30					
5	64QAM	25	25	19.15	19.23	19.30					
5	256QAM	1	24	17.08	17.17	17.21	19	4.5			
5	256QAM	12	0	17.12	17.24	17.28					
5	256QAM	12	13	17.12	17.24	17.28					
5	256QAM	25	0	17.07	17.13	17.11	19	4.5			
5	256QAM	25	12	17.08	17.13	17.11					
5	256QAM	25	25	17.06	17.22	17.21					
Channel											
Frequency (MHz)											
18675 18660 18675											
3	QPSK	1	0	21.74	21.68	21.68	23.5	0			
3	QPSK	1	12	21.74	21.68	21.68					
3	QPSK	1	14	21.70	21.62	21.65					
3	QPSK	8	0	21.23	21.36	21.33	23	0.5			
3	QPSK	8	7	21.22	21.35	21.32					
3	QPSK	8	12	21.15	21.25	21.21					
3	QPSK	15	0	21.32	21.38	21.33	23	0.5			
3	QPSK	15	7	21.32	21.35	21.33					
3	QPSK	15	12	21.28	21.35	21.33					
3	16QAM	1	8	21.38	21.24	21.15	23	0.5			
3	16QAM	1	14	21.41	21.38	21.35					
3	16QAM	1	16	21.38	21.28	21.25					
3	16QAM	8	0	20.20	20.38	20.28	22	1.5			
3	16QAM	8	7	20.20	20.38	20.28					
3	16QAM	8	16	20.15	20.22	20.14					
3	16QAM	1	0	20.33	20.28	20.19	22	1.5			
3	16QAM	1	14	20.33	20.30	20.20					
3	16QAM	1	16	20.33	20.30	20.20					
3	16QAM	8	0	19.18	19.21	19.14	21	2.5			
3	16QAM	8	7	19.18	19.24	19.25					
3	16QAM	8	16	19.26	19.33	19.16					
3	16QAM	15	0	19.30	19.21	19.21	19	4.5			
3	16QAM	15	7	19.30	19.24	19.25					
3	16QAM	15	12	19.27	19.23	19.21					
3	16QAM	1	8	17.07	17.10	17.10	19	4.5			
3	16QAM	1	14	17.07	17.10	17.10					
3	16QAM	1	16	17.07	17.10	17.10					
3	16QAM	8	0	17.05	17.25	17.23	19	4.5			
3	16QAM	8	7	17.05	17.25	17.23					
3	16QAM	8	16	17.08	17.23	17.20					
3	256QAM	8	0	17.08	17.23	17.20	19	4.5			
3	256QAM	8	7	17.08	17.23	17.20					
3	256QAM	8	16	17.07	17.23	17.20					
3	256QAM	16	0	17.08	17.21	17.23	19	4.5			
Channel											
Frequency (MHz)											
18667 18660 18660											
1.4	QPSK	1	0	21.72	21.62	21.71	23.5	0			
1.4	QPSK	1	3	21.62	21.71	21.63					
1.4	QPSK	1	6	21.65	21.68	21.63					
1.4	QPSK	3	0	21.65	21.68	21.63	23	0.5			
1.4	QPSK	3	3	21.61	21.61	21.61					
1.4	QPSK	3	6	21.67	21.58	21.63					
1.4	QPSK	6	0	21.18	21.27	21.14	23	0.5			
1.4	16QAM	1	0	21.52	21.43	21.27					
1.4	16QAM	1	3	21.52	21.43	21.27					
1.4	16QAM	3	0	21.19	21.26	21.36	23	0.5			
1.4	16QAM	3	3	21.16	21.16	21.36					
1.4	16QAM	3	6	21.22	21.32	21.16					
1.4	16QAM	6	0	20.34	20.30	20.30	22	1.5			
1.4	16QAM	6	3	20.31	20.47	20.28					
1.4	16QAM	6	6	20.40	20.38	20.28					
1.4	16QAM	3	0	20.32	20.10	20.21	22	1.5			
1.4	16QAM	3	3	20.14	20.30	20.36					
1.4	16QAM	3	6	20.29	20.29	20.36					
1.4	16QAM	6	0	19.17	19.23	19.30	21	2.5			
1.4	16QAM	6	3	19.07	19.10	19.18					

Band 4_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.70	17.72	17.66				
20	QPSK	1	49	21.60	21.83	21.65				
20	QPSK	1	99	21.75	21.92	21.61				
20	QPSK	50	0	21.75	21.78	21.67				
20	QPSK	24	0	21.73	21.68	21.63				
20	QPSK	50	50	21.62	21.73	21.66				
20	QPSK	100	0	21.70	21.72	21.69				
20	16QAM	1	0	21.69	21.69	21.69				
20	16QAM	1	99	21.73	21.71	21.62				
20	16QAM	50	0	20.72	20.71	20.72				
20	16QAM	50	24	20.70	20.76	20.73				
20	16QAM	100	0	20.65	20.76	20.71				
20	16QAM	100	0	20.71	20.74	20.72				
20	64QAM	1	0	21.01	21.08	20.99				
20	64QAM	1	99	20.75	20.84	20.97				
20	64QAM	50	0	19.85	19.81	19.72				
20	64QAM	50	24	19.74	19.81	19.85				
20	64QAM	100	0	19.68	19.81	19.64				
20	256QAM	1	49	17.40	17.49	17.48				
20	256QAM	1	99	17.44	17.47	17.51				
20	256QAM	50	0	17.57	17.37	17.54				
20	256QAM	50	24	17.42	17.42	17.48				
20	256QAM	100	0	17.46	17.47	17.51				
20	256QAM	100	0	17.57	17.48	17.50				
20	256QAM	100	0	17.59	17.56	17.48				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.15	17.12	17.17				
15	QPSK	1	0	21.87	21.91	21.87				
15	QPSK	1	37	21.47	21.88	21.64	23	0		
15	QPSK	1	74	21.73	21.43	21.53				
15	QPSK	50	0	21.73	21.76	21.64				
15	QPSK	36	20	21.67	21.64	21.59	23	0		
15	QPSK	36	39	21.68	21.64	21.59				
15	QPSK	75	0	21.59	21.67	21.68				
15	16QAM	1	0	21.61	21.63	21.66				
15	16QAM	1	37	21.65	21.63	21.60	23	0		
15	16QAM	1	74	21.67	21.66	21.48				
15	16QAM	36	0	20.66	20.70	20.69				
15	16QAM	36	39	20.66	20.68	20.65	22	1		
15	16QAM	75	0	20.62	20.73	20.64				
15	64QAM	1	0	20.86	20.86	20.87				
15	64QAM	1	37	21.09	20.96	21.04	22	1		
15	64QAM	1	74	20.84	20.79	20.87				
15	64QAM	36	0	19.75	19.70	19.68				
15	64QAM	36	39	19.63	19.77	19.52	21	2		
15	64QAM	75	0	19.65	19.68	19.65				
15	256QAM	1	0	17.37	17.42	17.37	19	4		
15	256QAM	1	37	17.20	17.43	17.43				
15	256QAM	1	74	17.49	17.36	17.41				
15	256QAM	36	0	17.42	17.36	17.43				
15	256QAM	36	39	17.42	17.35	17.41	19	4		
15	256QAM	75	0	17.44	17.37	17.41				
15	256QAM	75	0	17.44	17.37	17.41				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.68	21.81	21.69				
10	QPSK	1	25	21.45	21.79	21.53	23	0		
10	QPSK	1	50	21.67	21.85	21.66				
10	QPSK	25	0	21.62	21.64	21.60				
10	QPSK	12	0	21.66	21.64	21.48				
10	QPSK	50	0	21.63	21.67	21.62				
10	16QAM	1	25	21.67	21.60	21.56				
10	16QAM	1	74	21.66	21.66	21.75				
10	16QAM	25	0	20.65	20.61	20.65				
10	16QAM	25	12	20.57	20.72	20.71	22	1		
10	16QAM	50	0	20.61	20.62	20.63				
10	16QAM	50	5	20.62	20.72	20.70				
10	64QAM	1	0	20.86	20.96	20.85				
10	64QAM	25	21.06	20.90	20.91	22	1			
10	64QAM	1	49	20.84	20.79	20.84				
10	64QAM	25	0	19.81	19.88	19.87				
10	64QAM	25	12	19.89	19.83	19.83	21	2		
10	64QAM	50	0	19.85	19.72	19.55				
10	64QAM	50	5	19.86	19.80	19.68				
10	256QAM	1	0	17.35	17.35	17.35	19	4		
10	256QAM	1	25	17.46	17.37	17.46				
10	256QAM	1	74	17.46	17.37	17.46				
10	256QAM	25	0	17.43	17.36	17.43				
10	256QAM	25	12	17.35	17.34	17.46	19	4		
10	256QAM	50	0	17.42	17.35	17.46				
10	256QAM	50	5	17.43	17.36	17.46				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.69	21.88	21.50				
5	QPSK	1	12	21.54	21.80	21.57	23	0		
5	QPSK	1	24	21.67	21.47	21.52				
5	QPSK	12	0	21.60	21.75	21.64				
5	QPSK	12	7	21.72	21.55	21.62	23	0		
5	QPSK	12	14	21.62	21.79	21.62				
5	QPSK	25	0	21.63	21.61	21.58				
5	16QAM	1	0	21.60	21.66	21.71				
5	16QAM	1	12	21.60	21.67	21.66	23	0		
5	16QAM	1	24	21.59	21.61	21.48				
5	16QAM	12	7	20.61	20.72	20.60	22	1		
5	16QAM	12	13	20.56	20.61	20.64				
5	16QAM	25	0	20.61	20.62	20.63				
5	64QAM	1	0	20.98	21.02	20.84				
5	64QAM	1	12	21.01	20.93	20.98	22	1		
5	64QAM	1	24	20.91	20.81	20.93				
5	64QAM	12	0	19.71	19.87	19.70				
5	64QAM	12	7	19.70	19.77	19.69				
5	64QAM	12	13	19.61	19.80	19.68	21	2		
5	64QAM	25	0	19.66	19.67	19.63				
5	64QAM	25	7	19.67	19.71	19.67				
5	256QAM	1	0	17.46	17.37	17.41	19	4		
5	256QAM	1	12	17.46	17.37	17.41				
5	256QAM	1	24	17.46	17.37	17.41				
5	256QAM	12	7	17.40	17.37	17.40	19	4		
5	256QAM	12	13	17.46	17.36	17.40				
5	256QAM	25	0	17.43	17.36	17.40				
5	256QAM	25	7	17.43	17.36	17.40	19	4		
5	256QAM	50	0	17.47	17.43	17.47				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.71	21.85	21.69				
1.4	QPSK	1	3	21.61	21.78	21.62	23	0		
1.4	QPSK	1	6	21.69	21.49	21.50				
1.4	QPSK	3	0	21.71	21.77	21.54				
1.4	QPSK	3	6	21.75	21.65	21.61				
1.4	QPSK	3	12	21.63	21.60	21.52	23	0		
1.4	QPSK	3	18	21.67	21.68	21.63				
1.4	16QAM	1	0	21.66	21.76	21.64	23	0		
1.4	16QAM	1	3	21.65	21.82	21.52				
1.4	16QAM	1	6	21.63	21.80	21.61				
1.4	16QAM	3	0	21.67	21.76	21.58				
1.4	16QAM	3	6	21.66	21.66	21.65	22	1		
1.4	16QAM	3	12	20.61	20.63	20.61				
1.4	16QAM	3	18	20.59	21.06	20.86				
1.4	64QAM	1	0	20.85	20.83	20.88				
1.4	64QAM	1	3	20.70	20.82	20.82	21	2		
1.4	64QAM	3	0	20.89	21.00	20.93				
1.4	64QAM	3	6	19.56	19.71	19.55	21	2		
1.4	256QAM	1	0	17.40	17.41	17.44				
1.4	256QAM	1	3	17.41	17.33	17.41				
1.4	256QAM	1	6	17.46	17.32	17.41	19	4		
1.4	256QAM	3	0	17.42	17.37	17.37				
1.4	256QAM	3	6	17.44	17.45	17.47				
1.4	256QAM	3	12	17.46	17.39	17.47				
1.4	256QAM	3	18	17.36	17.46	17.46	19	4		

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turnup time (dB)	MFR (dB)		
Channel										
205950				1717.5	1732.5	1747.5				
20	QPSK	1	0	19.79	19.79	19.79				
20	QPSK	1	49	19.87	19.79	19.88			21.5	0
20	QPSK	1	99	19.70	19.79	19.79				
20	QPSK	1	148	19.87	19.79	19.88				
20	QPSK	50	24	19.79	19.78	19.82			21.5	0
20	QPSK	50	50	19.77	19.78	19.82				
20	QPSK	50	76	19.81	19.79	19.81				
20	HQPSK	1	0	19.83	19.79	19.89				
20	HQPSK	1	49	19.83	19.79	19.89			21.5	0
20	HQPSK	1	99	20.01	19.97	20.02				
20	HQPSK	50	0	19.87	19.78	19.88				
20	HQPSK	50	24	19.81	19.82	19.83				
20	HQPSK	50	50	19.91	19.97	20.04			21.5	0
20	HQPSK	100	0	19.83	19.87	19.78				
20	HQPSK	100	24	19.81	19.82	19.83				
20	HQPSK	1	49	19.88	19.78	19.90			21.5	0
20	HQPSK	1	99	19.71	19.81	19.75				
20	HQPSK	50	24	19.81	19.82	19.83				
20	HQPSK	50	50	19.82	19.68	19.68				
20	HQPSK	100	0	19.89	19.84	19.82				
20	HQPSK	100	24	19.84	19.84	19.84				
20	SSBDM	1	0	17.27	17.32	17.28				
20	SSBDM	1	49	17.28	17.28	17.23			19	2.5
20	SSBDM	1	99	17.22	17.43	17.27				
20	SSBDM	50	0	17.38	17.35	17.39				
20	SSBDM	50	24	17.35	17.35	17.35			19	2.5
20	SSBDM	50	50	17.36	17.39	17.24				
20	SSBDM	100	0	17.25	17.31	17.26				
205950				1717.5	1732.5	1747.5	Turnup time (dB)	MFR (dB)		
10	QPSK	1	0	19.73	19.87	19.89			21.5	0
10	QPSK	1	49	19.74	19.74	19.74				
10	QPSK	1	99	19.89	19.71	19.86				
10	QPSK	50	0	19.82	19.99	19.89				
10	QPSK	50	24	19.79	19.79	19.79			21.5	0
10	QPSK	50	39	19.83	19.82	19.80				
10	QPSK	75	0	19.89	19.90	19.85				
10	QPSK	75	24	19.75	19.79	19.79				
10	HQPSK	1	0	19.59	19.72	19.71			21.5	0
10	HQPSK	1	49	19.73	19.67	19.73				
10	HQPSK	39	20	19.81	19.77	19.80			21.5	0
10	HQPSK	75	0	19.75	19.75	19.75				
10	HQPSK	75	0	19.75	19.75	19.69				
10	HQPSK	1	0	19.77	19.88	19.62				
10	HQPSK	1	49	19.72	19.82	19.83			21.5	0
10	HQPSK	1	99	19.82	19.73	19.83				
10	HQPSK	1	148	19.87	19.83	19.80				
10	HQPSK	39	20	19.88	19.84	19.82				
10	HQPSK	39	24	19.88	19.89	19.89			21	0.5
10	HQPSK	39	39	19.84	19.88	19.82				
10	SSBDM	1	0	17.17	17.20	17.16				
10	SSBDM	1	49	17.17	17.18	17.18			19	2.5
10	SSBDM	1	99	17.24	17.24	17.24				
10	SSBDM	39	0	17.25	17.28	17.15				
10	SSBDM	39	20	17.32	17.21	17.13			19	2.5
10	SSBDM	75	0	17.28	17.28	17.28				
10	SSBDM	75	0	17.18	17.30	17.18				
Channel										
205950				1697.5	1697.5	1697.5	Turnup time (dB)	MFR (dB)		
Frequency (MHz)										
10	QPSK	1	0	19.78	19.93	19.87				
10	QPSK	1	25	19.76	19.72	19.82			21.5	0
10	QPSK	1	50	19.78	19.78	19.78				
10	QPSK	25	0	19.88	19.99	19.95				
10	QPSK	25	12	19.66	19.79	19.74			21.5	0
10	QPSK	50	0	19.80	19.80	19.80				
10	QPSK	50	0	19.90	20.04	19.88				
10	HQPSK	1	0	19.80	19.77	19.77			21.5	0
10	HQPSK	1	25	19.79	19.79	19.79				
10	HQPSK	1	49	19.97	19.82	19.82				
10	HQPSK	25	0	19.73	19.83	19.85			21.5	0
10	HQPSK	25	12	19.75	19.88	19.88				
10	HQPSK	25	25	19.89	19.93	19.95				
10	HQPSK	50	0	19.88	19.98	19.98				
10	HQPSK	50	0	19.88	19.94	20.00				
10	HQPSK	25	0	19.85	19.74	19.78			21.5	0
10	HQPSK	25	12	19.86	19.88	19.88				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK	25	25	19.87	19.83	19.83				
10	HQPSK									

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [F/Hz]	Power Mide Ch [F/Hz]	Power High Ch [F/Hz]	Turn-up Inst [dB]	MPR [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.20	20.27	20.25				
20	QPSK	1	49	20.20	20.19	20.24			21.5	0
20	QPSK	50	0	20.22	20.22	20.22				
20	QPSK	50	0	20.22	20.26	20.24				
20	QPSK	50	24	20.14	20.25	20.22			21.5	0
20	QPSK	50	24	20.12	20.12	20.12				
20	QPSK	100	0	20.14	20.26	20.20				
20	HQAM	1	0	20.13	20.08	20.14			21.5	0
20	HQAM	1	49	20.12	20.08	20.10				
20	HQAM	1	99	20.11	20.14	20.16				
20	HQAM	50	0	20.11	20.17	20.11			21.5	0
20	HQAM	50	24	20.17	20.17	20.13				
20	HQAM	50	96	20.17	20.17	20.12				
20	HQAM	100	0	20.06	20.16	20.06				
20	HQAM	1	0	20.12	20.21	20.17				
20	HQAM	1	49	20.16	20.18	20.14			21.5	0
20	HQAM	50	0	20.16	20.16	20.16				
20	HQAM	50	0	19.84	19.79	19.85				
20	HQAM	50	49	19.85	19.72	19.86			21	0.5
20	HQAM	50	96	19.79	19.82	19.76				
20	HQAM	100	0	19.79	19.72	19.88				
20	HQAM	1	49	17.34	17.41	17.38			19	2.5
20	HQAM	1	99	17.30	17.45	17.32				
20	HQAM	50	0	17.30	17.29	17.37				
20	HQAM	50	24	17.22	17.47	17.41			19	2.5
20	HQAM	50	24	17.22	17.47	17.41				
20	HQAM	100	0	17.24	17.34	17.35				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.15	20.07	20.16				
15	QPSK	1	37	20.01	20.13	20.11			21.5	0
15	QPSK	36	74	20.01	20.12	20.10				
15	QPSK	36	0	20.06	20.16	20.07				
15	QPSK	36	20	20.06	20.07	20.11			21.5	0
15	QPSK	36	39	20.07	20.09	20.07				
15	QPSK	75	0	20.08	20.15	19.97				
15	HQAM	1	0	19.89	19.98	20.03			21.5	0
15	HQAM	1	37	20.00	20.03	20.01				
15	HQAM	1	74	20.02	20.07	20.01				
15	HQAM	36	0	20.02	20.06	19.98			21.5	0
15	HQAM	36	20	20.10	20.09	20.03				
15	HQAM	36	39	20.09	20.16	20.02				
15	HQAM	75	0	19.96	20.14	19.92				
15	HQAM	75	20	19.99	20.14	19.92				
15	HQAM	1	37	20.01	20.14	20.02			21.5	0
15	HQAM	1	74	20.02	20.09	20.06				
15	HQAM	36	0	19.99	19.98	19.92				
15	HQAM	36	20	19.76	19.59	19.51			21	0.5
15	HQAM	36	39	19.89	19.82	19.84				
15	HQAM	75	0	19.74	19.82	19.82				
15	HQAM	75	20	17.62	17.63	17.60				
15	HQAM	75	39	17.58	17.67	17.58				
15	HQAM	1	37	17.58	17.64	17.58			19	2.5
15	HQAM	1	74	17.58	17.64	17.58				
15	HQAM	36	0	17.58	17.64	17.58				
15	HQAM	36	20	17.58	17.64	17.58			19	2.5
15	HQAM	36	39	17.58	17.64	17.58				
15	HQAM	75	0	17.58	17.64	17.58				
15	HQAM	75	20	17.58	17.64	17.58			19	2.5
15	HQAM	75	39	17.58	17.64	17.58				
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.05	20.03	20.05				
20	QPSK	1	12	20.06	20.03	20.03			21.5	0
20	QPSK	1	24	20.08	20.03	20.04				
20	QPSK	1	36	20.08	20.03	20.04				
20	QPSK	12	0	19.84	20.07	20.04			21.5	0
20	QPSK	12	18	20.10	20.01	20.07				
20	QPSK	12	30	20.07	20.01	20.07				
20	HQAM	1	0	20.05	20.06	20.08			21.5	0
20	HQAM	1	12	20.07	20.02	20.04				
20	HQAM	1	24	20.03	20.08	20.11			21.5	0
20	HQAM	12	0	20.00	20.02	20.08				
20	HQAM	12	18	20.01	20.02	20.02				
20	HQAM	12	30	20.03	20.03	20.04				
20	HQAM	25	0	20.11	20.04	20.11			21.5	0
20	HQAM	1	12	20.12	20.10	20.12			21.5	0
20	HQAM	12	0	20.05	20.05	20.05				
20	HQAM	12	0	19.69	19.58	19.58				
20	HQAM	12	7	19.76	19.51	19.52			21	0.5
20	HQAM	12	19	19.83	19.49	19.50				
20	HQAM	25	0	19.68	19.61	19.62				
20	HQAM	1	0	17.30	17.39	17.37			19	2.5
20	HQAM	1	12	17.44	17.31	17.32				
20	HQAM	1	24	17.30	17.32	17.42				
20	HQAM	12	7	17.32	17.35	17.42			19	2.5
20	HQAM	12	19	17.23	17.46	17.31				
20	HQAM	12	30	17.23	17.46	17.31				

Band 12, Ant 1											
BSF (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Power	Power Ch. / Power	Power Ch. / Power	Turn-up time (s)	MPE (dB)			
Channel 23060 23060 23100											
5	QPSK	1	8	22.33	22.30	22.30					
10	QPSK	2	25	22.33	22.30	22.30	24	0			
15	QPSK	4	49	22.29	22.27	22.31					
15	QPSK	20	12	21.18	21.25	21.15					
15	QPSK	25	25	21.21	21.23	21.15	23	1			
15	QPSK	50	0	21.23	21.28	21.20					
15	QPSK	100	0	21.23	21.24	21.22	23	1			
15	QPSK	150	0	21.23	21.23	21.23					
15	QPSK	200	0	20.21	20.23	20.18	22				
15	QPSK	250	0	20.21	20.23	20.18					
15	QPSK	300	0	20.21	20.23	20.18	22				
15	QPSK	350	0	20.21	20.23	20.18					
15	QPSK	400	0	20.21	20.23	20.18					
15	QPSK	450	0	20.21	20.23	20.18					
15	QPSK	500	0	20.21	20.23	20.18					
15	QPSK	550	0	20.21	20.23	20.18					
15	QPSK	600	0	20.21	20.23	20.18					
15	QPSK	650	0	20.21	20.23	20.18					
15	QPSK	700	0	20.21	20.23	20.18					
15	QPSK	750	0	20.21	20.23	20.18					
15	QPSK	800	0	20.21	20.23	20.18					
15	QPSK	850	0	20.21	20.23	20.18					
15	QPSK	900	0	20.21	20.23	20.18					
15	QPSK	950	0	20.21	20.23	20.18					
15	QPSK	1000	0	20.21	20.23	20.18					
15	QPSK	1050	0	20.21	20.23	20.18					
15	QPSK	1100	0	20.21	20.23	20.18					
15	QPSK	1150	0	20.21	20.23	20.18					
15	QPSK	1200	0	20.21	20.23	20.18					
15	QPSK	1250	0	20.21	20.23	20.18					
15	QPSK	1300	0	20.21	20.23	20.18					
15	QPSK	1350	0	20.21	20.23	20.18					
15	QPSK	1400	0	20.21	20.23	20.18					
15	QPSK	1450	0	20.21	20.23	20.18					
15	QPSK	1500	0	20.21	20.23	20.18					
15	QPSK	1550	0	20.21	20.23	20.18					
15	QPSK	1600	0	20.21	20.23	20.18					
15	QPSK	1650	0	20.21	20.23	20.18					
15	QPSK	1700	0	20.21	20.23	20.18					
15	QPSK	1750	0	20.21	20.23	20.18					
15	QPSK	1800	0	20.21	20.23	20.18					
15	QPSK	1850	0	20.21	20.23	20.18					
15	QPSK	1900	0	20.21	20.23	20.18					
15	QPSK	1950	0	20.21	20.23	20.18					
15	QPSK	2000	0	20.21	20.23	20.18					
15	QPSK	2050	0	20.21	20.23	20.18					
15	QPSK	2100	0	20.21	20.23	20.18					
15	QPSK	2150	0	20.21	20.23	20.18					
15	QPSK	2200	0	20.21	20.23	20.18					
15	QPSK	2250	0	20.21	20.23	20.18					
15	QPSK	2300	0	20.21	20.23	20.18					
15	QPSK	2350	0	20.21	20.23	20.18					
15	QPSK	2400	0	20.21	20.23	20.18					
15	QPSK	2450	0	20.21	20.23	20.18					
15	QPSK	2500	0	20.21	20.23	20.18					
15	QPSK	2550	0	20.21	20.23	20.18					
15	QPSK	2600	0	20.21	20.23	20.18					
15	QPSK	2650	0	20.21	20.23	20.18					
15	QPSK	2700	0	20.21	20.23	20.18					
15	QPSK	2750	0	20.21	20.23	20.18					
15	QPSK	2800	0	20.21	20.23	20.18					
15	QPSK	2850	0	20.21	20.23	20.18					
15	QPSK	2900	0	20.21	20.23	20.18					
15	QPSK	2950	0	20.21	20.23	20.18					
15	QPSK	3000	0	20.21	20.23	20.18					
15	QPSK	3050	0	20.21	20.23	20.18					
15	QPSK	3100	0	20.21	20.23	20.18					
15	QPSK	3150	0	20.21	20.23	20.18					
15	QPSK	3200	0	20.21	20.23	20.18					
15	QPSK	3250	0	20.21	20.23	20.18					
15	QPSK	3300	0	20.21	20.23	20.18					
15	QPSK	3350	0	20.21	20.23	20.18					
15	QPSK	3400	0	20.21	20.23	20.18					
15	QPSK	3450	0	20.21	20.23	20.18					
15	QPSK	3500	0	20.21	20.23	20.18					
15	QPSK	3550	0	20.21	20.23	20.18					
15	QPSK	3600	0	20.21	20.23	20.18					
15	QPSK	3650	0	20.21	20.23	20.18					
15	QPSK	3700	0	20.21	20.23	20.18					
15	QPSK	3750	0	20.21	20.23	20.18					
15	QPSK	3800	0	20.21	20.23	20.18					
15	QPSK	3850	0	20.21	20.23	20.18					
15	QPSK	3900	0	20.21	20.23	20.18					
15	QPSK	3950	0	20.21	20.23	20.18					
15	QPSK	4000	0	20.21	20.23	20.18					
15	QPSK	4050	0	20.21	20.23	20.18					
15	QPSK	4100	0	20.21	20.23	20.18					
15	QPSK	4150	0	20.21	20.23	20.18					
15	QPSK	4200	0	20.21	20.23	20.18					
15	QPSK	4250	0	20.21	20.23	20.18					
15	QPSK	4300	0	20.21	20.23	20.18					
15	QPSK	4350	0	20.21	20.23	20.18					
15	QPSK	4400	0	20.21	20.23	20.18					
15	QPSK	4450	0	20.21	20.23	20.18					
15	QPSK	4500	0	20.21	20.23	20.18					
15	QPSK	4550	0	20.21	20.23	20.18					
15	QPSK	4600	0	20.21	20.23	20.18					
15	QPSK	4650	0	20.21	20.23	20.18					
15	QPSK	4700	0	20.21	20.23	20.18					
15	QPSK	4750	0	20.21	20.23	20.18					
15	QPSK	4800	0	20.21	20.23	20.18					
15	QPSK	4850	0	20.21	20.23	20.18					
15	QPSK	4900	0	20.21	20.23	20.18					
15	QPSK	4950	0	20.21	20.23	20.18					
15	QPSK	5000	0	20.21	20.23	20.18					
15	QPSK	5050	0	20.21	20.23	20.18					
15	QPSK	5100	0	20.21	20.23	20.18					
15	QPSK	5150	0	20.21	20.23	20.18					
15	QPSK	5200	0	20.21	20.23	20.18					
15	QPSK	5250	0	20.21	20.23	20.18					
15	QPSK	5300	0	20.21	20.23	20.18					
15	QPSK	5350	0	20.21	20.23	20.18					
15	QPSK	5400	0	20.21	20.23	20.18					
15	QPSK	5450	0	20.21	20.23	20.18					
15	QPSK	5500	0	20.21	20.23	20.18					
15	QPSK	5550	0	20.21	20.23	20.18					
15	QPSK	5600	0	20.21	20.23	20.18					
15	QPSK	5650	0	20.21	20.23	20.18					
15	QPSK	5700	0	20.21	20.23	20.18					
15	QPSK	5750	0	20.21	20.23	20.18					
15	QPSK	5800	0	20.21	20.23	20.18					
15	QPSK	5850	0	20.21	20.23	20.18					
15	QPSK	5900	0	20.21	20.23	20.18					
15	QPSK	5950	0	20.21	20.23	20.18					
15	QPSK	6000	0	20.21	20.23	20.18					
15	QPSK	6050	0	20.21	20.23	20.18					
15	QPSK	6100	0	20.21	20.23	20.18					
15	QPSK	6150	0	20.21	20.23	20.18					
15	QPSK	6200	0	20.21	20.23	20.18					
15	QPSK	6250	0	20.21	20.23	20.18					
15	QPSK	6300	0	20.21	20.23	20.18					
15	QPSK	6350	0	20.21	20.23	20.18					
15	QPSK	6400	0	20.21	20.23	20.18					
15	QPSK	6450	0	20.21	20.23	20.18					
15	QPSK	6500	0	20.21	20.23	20.18					
15	QPSK	6550	0	20.21	20.23	20.18					
15	QPSK	6600	0	20.21	20.23	20.18					
15	QPSK	6650	0	20.21	20.23	20.18					
15	QPSK	6700	0	20.21	20.23	20.18					
15	QPSK	6750	0	20.21	20.23	20.18					
15	QPSK	6800	0	20.21	20.23	20.18					
15	QPSK	6850	0	20.21	20.23	20.18					
15	QPSK	6900	0	20.21	20.23	20.18					
15	QPSK	6950	0	20.21	20.23	20.18					
15	QPSK	7000	0	20.21	20.23	20.18					
15	QPSK	7050	0	20.21	20.23	20.18					
15	QPSK	7100	0	20.21	20.23	20.18					
15	QPSK	7150	0	20.21	20.23	20.18					
15	QPSK	7200	0	20.21	20.23	20.18					
15	QPSK	7250	0	20.21	20.23	20.18					
15	QPSK	7300	0	20.21	20.23	20.18					
15	QPSK	7350	0	20.21	20.23	20.18					
15	QPSK	7400	0	20.21	20.23	20.18					
15	QPSK	7450	0	20.21	20.23	20.18					
15	QPSK	7500	0	20.21	20.23	20.18					
15	QPSK	7550	0	20.21	20.23	20.18					
15	QPSK	7600	0	20.21	20.23	20.18					
15	QPSK	7650	0	20.21	20.23	20.18					
15	QPSK	7700	0	20.21	20.23	20.18					
15	QPSK	7750	0	20.21	20.23	20.18					
15	QPSK	7800	0	20.21	20.23	20.18					
15	QPSK	7850	0	20.21	20.23	20.18					
15	QPSK	7900	0	20.21	20.23	20.18					
15	QPSK	7950	0	20.21	20.23	20.18					
15	QPSK	8000	0	20.21	20.23	20.18					
15	QPSK	8050	0	20.21	20.23	20.18					
15	QPSK	8100	0	20.21	20.23	20.18					
15	QPSK	8150	0	20.21	20.23	20.18					
15	QPSK	8200	0	20.21	20.23	20.18					
15	QPSK	8250	0	20.21	20.23	20.18					
15	QPSK										

Band 13, Ant 0									
RF/MW	Modulation	RB Size	RB Offset	Power Level Ch 1/Freq	Power Level Ch 2/Freq	Power Level Ch 3/Freq	Turn-on time (ms)	MPR (dB)	
Channel				2325					
Frequency (MHz)				779.5					
10	QPSK	1	0	20.26	22.26	22.26	24	0	
10	QPSK	1	25	20.26	22.26	22.26			
10	QPSK	1	49	20.26	22.26	22.26			
10	QPSK	25	12	21.25	21.25	21.25	23	0	
10	QPSK	25	25	21.25	21.25	21.25			
10	QPSK	25	49	21.25	21.25	21.25			
10	16QAM	1	0	21.50	21.50	21.50	23	1	
10	16QAM	1	25	21.50	21.50	21.50			
10	16QAM	1	49	21.50	21.50	21.50			
10	16QAM	25	12	20.22	20.22	20.22	22	2	
10	16QAM	25	12	20.22	20.22	20.22			
10	16QAM	25	25	20.22	20.22	20.22			
10	16QAM	25	49	20.22	20.22	20.22	22	2	
10	16QAM	25	0	20.22	20.22	20.22			
10	16QAM	25	0	19.21	19.21	19.21			
10	16QAM	25	12	19.19	19.19	19.19	21	3	
10	16QAM	25	25	19.26	19.26	19.26			
10	16QAM	50	0	19.19	19.19	19.19			
10	SSB/FM	1	0	17.17	17.17	17.17	19	5	
10	SSB/FM	1	25	17.17	17.17	17.17			
10	SSB/FM	1	49	17.17	17.17	17.17			
10	SSB/FM	25	12	17.17	17.17	17.17	19	5	
10	SSB/FM	25	12	17.17	17.17	17.17			
10	SSB/FM	25	25	17.17	17.17	17.17			
10	SSB/FM	50	0	17.21	17.21	17.21	19	5	
Channel				2330	2325	2325			
Frequency (MHz)				779.5	782	784.5			
10	QPSK	1	0	22.26	22.26	22.26	24	0	
10	QPSK	1	25	22.26	22.26	22.26			
10	QPSK	1	49	22.26	22.26	22.26			
10	QPSK	12	7	23.31	23.32	23.29	23	1	
10	QPSK	12	19	23.28	23.31	23.25			
10	QPSK	12	31	23.21	23.30	23.28			
10	16QAM	1	0	21.50	21.50	21.50	23	1	
10	16QAM	1	25	21.50	21.50	21.50			
10	16QAM	1	49	21.50	21.50	21.50			
10	16QAM	12	7	21.59	21.60	21.58	23	1	
10	16QAM	12	19	21.41	21.64	21.47			
10	16QAM	12	31	20.12	20.04	20.06			
10	16QAM	25	12	20.16	20.16	20.16	22	2	
10	16QAM	25	13	20.08	20.10	20.08			
10	16QAM	25	0	20.00	20.10	20.15			
10	16QAM	25	0	20.00	20.00	20.00	22	2	
10	16QAM	25	12	20.01	20.01	20.01			
10	16QAM	25	12	20.01	20.01	20.01			
10	16QAM	12	7	19.15	19.00	19.10	21	3	
10	16QAM	12	19	19.04	18.98	18.98			
10	16QAM	12	31	19.15	19.00	19.10			
10	16QAM	25	0	18.13	18.00	18.02	19	5	
10	SSB/FM	1	0	17.25	17.16	17.40			
10	SSB/FM	1	2	17.13	17.13	17.28	19	5	
10	SSB/FM	1	0	17.24	17.18	17.12			
10	SSB/FM	12	0	17.25	17.25	17.25	19	5	
10	SSB/FM	12	13	17.24	17.11	17.15			

Band 13_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Ch Power (dBm)	Ch Power (dBm)	Ch Power (dBm)	Ch Power (dBm)	Turn-up time (dBm)	MPE (dB)
Channel				2320					
Frequency (MHz)									
10	QPSK	1	0	22.29	22.29	22.29	22.29	24	0
10	QPSK	1	25	22.29	22.29	22.29	22.29		
10	QPSK	1	49	22.29	22.29	22.29	22.29		
10	QPSK	25	12	21.28	21.28	21.28	21.28	23	
10	QPSK	25	20	21.28	21.28	21.28	21.28		
10	QPSK	25	38	21.28	21.28	21.28	21.28		
10	16QAM	1	0	21.04	21.04	21.04	21.04	23	1
10	16QAM	1	25	21.04	21.04	21.04	21.04		
10	16QAM	1	49	21.04	21.04	21.04	21.04		
10	16QAM	25	0	20.20	20.20	20.20	20.20		
10	16QAM	25	12	20.20	20.20	20.20	20.20	22	2
10	16QAM	25	20	20.20	20.20	20.20	20.20		
10	16QAM	25	38	20.20	20.20	20.20	20.20		
10	16QAM	50	0	19.44	19.44	19.44	19.44	19	5
10	16QAM	50	25	19.44	19.44	19.44	19.44		
10	16QAM	1	25	20.17	20.17	20.17	20.17	22	2
10	16QAM	1	49	20.17	20.17	20.17	20.17		
10	16QAM	25	0	19.23	19.23	19.23	19.23		
10	16QAM	25	12	19.23	19.23	19.23	19.23	21	3
10	16QAM	25	20	19.23	19.23	19.23	19.23		
10	16QAM	50	5	19.21	19.21	19.21	19.21		
10	256QAM	1	0	17.14	17.14	17.14	17.14	19	5
10	256QAM	1	25	17.14	17.14	17.14	17.14		
10	256QAM	1	49	17.14	17.14	17.14	17.14		
10	256QAM	25	0	16.38	16.38	16.38	16.38	19	5
10	256QAM	25	12	16.38	16.38	16.38	16.38		
10	256QAM	25	20	16.38	16.38	16.38	16.38		
10	256QAM	25	38	16.38	16.38	16.38	16.38		
Channel				2320S	2320L	2320S	2320S	Turn-up time (dBm)	MPE (dB)
Frequency (MHz)									
10	QPSK	1	0	22.29	22.29	22.29	22.29	24	0
10	QPSK	1	12	22.27	22.28	22.28	22.28		
10	QPSK	1	24	22.29	22.24	22.29	22.29		
10	QPSK	1	36	21.28	21.28	21.28	21.28	23	1
10	QPSK	12	7	21.10	21.20	21.25	21.25		
10	QPSK	12	15	21.10	21.12	21.20	21.20		
10	QPSK	12	23	21.11	21.13	21.25	21.25	23	1
10	16QAM	1	0	21.01	21.07	21.03	21.03		
10	16QAM	1	12	20.98	21.01	21.09	21.09		
10	16QAM	1	24	21.18	21.05	21.24	21.24	23	1
10	16QAM	12	0	20.13	20.07	20.08	20.08		
10	16QAM	12	10	20.03	20.03	20.11	20.11	22	2
10	16QAM	12	18	20.00	20.09	20.11	20.11		
10	16QAM	25	0	20.04	20.07	20.16	20.16		
10	16QAM	25	12	19.98	19.98	20.31	20.31	22	2
10	16QAM	1	12	20.13	20.05	20.21	20.21		
10	16QAM	1	24	20.10	20.05	20.19	20.19		
10	16QAM	12	5	19.98	19.98	19.98	19.98	21	3
10	16QAM	12	7	19.10	19.13	19.20	19.20		
10	16QAM	12	17	17.47	17.51	17.28	17.28	19	5
10	256QAM	1	0	17.26	17.17	17.17	17.17		
10	256QAM	1	12	17.47	17.51	17.28	17.28		
10	256QAM	1	24	17.10	17.17	17.19	17.19		
10	256QAM	12	0	17.26	17.17	17.23	17.23		
10	256QAM	12	17	17.26	17.42	17.29	17.29	19	5
10	256QAM	12	15	17.02	17.04	17.14	17.14		

Band 14_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Inst (dBm)	MPR (dB)		
Channel				23330						
Frequency (MHz)										
10	QPSK	1	0	22.22						
10	QPSK	1	25	22.18					24	0
10	QPSK	1	49	22.17						
10	QPSK	25	0	21.14						
10	QPSK	25	12	21.07					23	
10	QPSK	25	25	21.05						
10	QPSK	50	0	21.04						
10	16QAM	1	0	21.42						
10	16QAM	1	25	21.10					23	1
10	16QAM	49		21.85						
10	16QAM	25	12	20.95						
10	16QAM	25	25	20.92					22	2
10	16QAM	50	0	20.90						
10	8QAM	1	0	20.05						
10	8QAM	1	25	20.32					22	2
10	8QAM	1	49	20.24						
10	8QAM	25	0	19.84						
10	8QAM	25	12	19.07						
10	8QAM	25	25	19.07					21	3
10	8QAM	50	0	19.02						
10	256QAM	1	0	17.14						
10	256QAM	1	25	17.69					19	5
10	256QAM	1	49	17.62						
10	256QAM	25	0	17.13						
10	256QAM	25	12	17.14					19	5
10	256QAM	25	25	17.10						
10	256QAM	50	0	17.19						
Channel				23305	23330	23355	Tune-up Inst (dBm)		MPR (dB)	
Frequency (MHz)										
5	QPSK	1	0	22.14	22.14	22.14				
5	QPSK	1	12	22.19	22.18	22.21			24	0
5	QPSK	1	24	22.17	22.16	22.14				
5	QPSK	12	0	21.12	21.03	21.23				
5	QPSK	12	7	21.09	21.12	21.10			23	1
5	QPSK	12	13	21.07	21.09	21.08				
5	QPSK	25	0	21.00	21.15	21.07				
5	16QAM	1	0	21.06	21.12	21.06				
5	16QAM	1	12	21.04	21.02	21.10			23	1
5	16QAM	1	24	21.22	21.07	21.14				
5	16QAM	12	0	20.14	20.03	20.10				
5	16QAM	12	7	20.15	20.20	20.06			22	2
5	16QAM	12	13	20.08	20.07	20.16				
5	16QAM	25	0	20.06	20.09	20.16				
5	8QAM	1	0	20.29	20.22	20.31				
5	8QAM	1	12	20.14	20.00	20.39			22	2
5	8QAM	1	24	20.16	20.21	20.21				
5	8QAM	12	0	19.03	19.12	19.23				
5	8QAM	12	7	19.10	19.09	19.21			21	3
5	8QAM	12	13	19.30	19.26	19.23				
5	8QAM	25	0	19.15	19.09	19.11				
5	256QAM	1	0	17.23	17.20	17.19			19	5
5	256QAM	1	12	17.16	17.12	17.20				
5	256QAM	1	24	17.11	17.30	17.16				
5	256QAM	12	0	17.25	17.14	17.21			19	5
5	256QAM	12	7	17.24	17.24	17.26				
5	256QAM	12	13	17.12	17.31	17.16				
5	256QAM	25	0	17.18	17.16	17.22				

Band 14_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)	MPR (dB)	Ch. Data 1-5	SQL
Channel 23330										
Frequency (MHz)										
10	QPSK	1	0	22.45						24.00
10	QPSK	1	25	22.39					24	0
10	QPSK	1	49	22.35						24.00
10	QPSK	25	0	21.38						23.00
10	QPSK	25	10	21.29					23	1
10	QPSK	25	25	21.35						23.00
10	QPSK	50	0	21.36						23.00
10	16QAM	1	0	21.37						23.00
10	16QAM	1	25	21.36					23	1
10	16QAM	1	49	21.31						23.00
10	16QAM	25	0	20.35						22.00
10	16QAM	25	12	20.31					22	2
10	16QAM	25	25	20.31						22.00
10	16QAM	50	0	20.36						22.00
10	8QAM	1	0	20.44						22.00
10	8QAM	1	25	20.74					22	2
10	8QAM	1	49	20.74						22.00
10	8QAM	25	0	19.88						21.00
10	8QAM	25	12	19.05					21	3
10	8QAM	25	25	19.26						21.00
10	8QAM	50	0	19.34						21.00
10	256QAM	1	0	17.21						19.00
10	256QAM	1	25	17.17					19	5
10	256QAM	1	49	17.20						19.00
10	256QAM	25	0	17.16						19.00
10	256QAM	25	12	17.21					19	5
10	256QAM	25	25	17.22						19.00
10	256QAM	50	0	17.20						19.00
Channel 23305 23330 23355										
Frequency (MHz)										
5	QPSK	1	0	22.31	22.41	22.31				24.00
5	QPSK	1	12	22.27	22.17	22.28			24	0
5	QPSK	1	24	22.26	22.21	22.29				24.00
5	QPSK	12	0	21.28	21.29	21.28				23.00
5	QPSK	12	7	21.25	21.24	21.20			23	1
5	QPSK	12	13	21.28	21.27	21.28				23.00
5	QPSK	25	0	21.35	21.22	21.27				23.00
5	16QAM	1	0	21.26	21.35	21.25				23.00
5	16QAM	1	12	21.34	21.21	21.34			23	1
5	16QAM	1	24	21.19	21.28	21.21				23.00
5	16QAM	12	0	20.30	20.28	20.31				22.00
5	16QAM	12	7	20.20	20.21	20.23			22	2
5	16QAM	12	13	20.21	20.25	20.18				22.00
5	16QAM	25	0	20.27	20.22	20.24				22.00
5	8QAM	1	0	20.37	20.30	20.31				22.00
5	8QAM	1	12	20.69	20.84	20.63			22	2
5	8QAM	1	24	20.61	20.60	20.72				22.00
5	8QAM	12	0	19.23	19.23	19.30				21.00
5	8QAM	12	7	19.24	19.15	19.17			21	3
5	8QAM	12	13	19.21	19.21	19.14				21.00
5	8QAM	25	0	19.20	19.27	19.19				21.00
5	256QAM	1	0	17.16	17.18	17.28			19	5
5	256QAM	1	12	17.08	17.06	17.12				19.00
5	256QAM	1	24	17.14	17.15	17.06				19.00
5	256QAM	12	0	17.08	17.13	17.09			19	5
5	256QAM	12	7	17.08	17.13	17.20				19.00
5	256QAM	12	13	17.15	17.16	17.14				19.00
5	256QAM	25	0	17.06	17.18	17.16				19.00

Band 17_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MFR (dB)		
Channel				23750	23750	23850				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	22.15	22.29	22.22	24	0		
10	QPSK	1	25	22.13	22.14	22.13				
10	QPSK	1	49	22.13	22.21	22.21				
10	QPSK	25	0	21.25	21.19	21.10				
10	QPSK	25	12	21.05	21.08	21.08	23	1		
10	QPSK	25	25	21.09	21.09	21.05				
10	QPSK	50	0	21.04	21.08	21.07				
10	16QAM	1	0	21.13	21.12	21.08				
10	16QAM	1	25	21.08	21.04	21.12	23	1		
10	16QAM	1	49	21.03	21.06	21.14				
10	16QAM	25	12	20.04	20.10	20.07				
10	16QAM	25	25	20.06	20.06	20.08				
10	16QAM	50	0	20.10	20.19	20.12	22	2		
10	16QAM	1	0	20.09	20.13	20.17				
10	16QAM	1	25	20.13	20.11	20.04				
10	16QAM	1	49	20.05	20.07	20.10				
10	16QAM	25	0	19.02	19.19	19.02	22	2		
10	16QAM	25	12	19.13	19.07	19.10				
10	16QAM	25	25	19.12	19.05	19.04				
10	16QAM	50	0	19.11	19.08	19.09				
10	256QAM	1	0	17.10	17.12	17.13	19	5		
10	256QAM	1	25	17.03	17.23	17.31				
10	256QAM	1	49	17.06	17.28	17.30				
10	256QAM	25	0	17.18	17.12	17.31				
10	256QAM	25	12	17.07	17.10	17.26	19	5		
10	256QAM	25	25	17.14	17.13	17.37				
10	256QAM	50	0	17.05	17.20	17.21				
Channel				23755 <th>23750<th>23855<th colspan="4"></th></th></th>	23750 <th>23855<th colspan="4"></th></th>	23855 <th colspan="4"></th>				
Frequency (MHz)				710	710	711				
5	QPSK	1	0	22.05	22.20	22.11	24	0		
5	QPSK	1	12	22.10	22.08	22.07				
5	QPSK	1	24	22.06	22.20	22.08				
5	QPSK	12	0	21.10	21.14	21.24				
5	QPSK	12	7	21.23	21.15	21.21	23	1		
5	QPSK	12	13	21.14	21.16	21.17				
5	QPSK	25	0	21.20	21.17	21.18				
5	16QAM	1	0	21.27	21.23	21.19				
5	16QAM	1	12	21.26	21.11	21.19	23	1		
5	16QAM	1	24	21.02	21.79	21.19				
5	16QAM	12	0	20.22	20.29	20.21				
5	16QAM	12	7	20.18	20.18	20.24				
5	16QAM	12	13	20.19	20.16	20.23	22	2		
5	16QAM	25	0	20.22	20.34	20.30				
5	16QAM	1	0	20.19	20.32	20.35				
5	16QAM	1	12	20.20	20.33	20.19				
5	16QAM	1	24	20.22	20.02	20.29	22	2		
5	16QAM	12	0	19.09	19.38	19.12				
5	16QAM	12	7	19.29	19.19	19.28				
5	16QAM	12	13	19.28	19.11	19.11				
5	256QAM	1	0	19.29	19.18	19.22	19	5		
5	256QAM	1	0	17.23	17.44	17.44				
5	256QAM	1	12	17.06	17.38	17.30				
5	256QAM	1	24	17.15	17.45	17.45				
5	256QAM	12	0	17.23	17.22	17.45	19	5		
5	256QAM	12	7	17.06	17.18	17.40				
5	256QAM	12	13	17.21	17.20	17.46				
5	256QAM	25	0	17.16	17.27	17.38				

Band 17_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
2375 2376 2385												
10	QPSK	1	0	22.20	22.20	22.20	24	0				
10	QPSK	1	25	22.22	22.21	22.18						
10	QPSK	1	49	22.12	22.26	22.09						
10	QPSK	25	0	21.20	21.26	21.21						
10	QPSK	12	0	21.10	21.23	21.23	23	1				
10	QPSK	25	25	21.14	21.25	21.14						
10	QPSK	50	0	21.18	21.22	21.20						
10	16QAM	1	0	21.30	21.26	21.22						
10	16QAM	1	25	21.33	21.23	21.18	23	1				
10	16QAM	1	49	21.36	21.27	21.27						
10	16QAM	25	0	20.14	20.22	20.14						
10	16QAM	25	12	20.10	20.19	20.20						
10	16QAM	25	25	20.16	20.21	20.15	22	2				
10	16QAM	50	0	20.10	20.19	20.16						
10	16QAM	1	0	20.09	20.23	20.13						
10	16QAM	1	25	20.13	20.20	20.16						
10	16QAM	1	49	20.33	20.25	20.20	21	3				
10	16QAM	25	0	19.12	19.27	19.12						
10	16QAM	25	12	19.15	19.30	19.08						
10	16QAM	25	25	19.15	19.22	19.14						
10	16QAM	50	0	19.17	19.25	19.15	19	5				
10	256QAM	1	0	17.25	17.21	17.06						
10	256QAM	1	25	17.14	17.21	17.22						
10	256QAM	1	49	17.24	17.26	17.22						
10	256QAM	25	0	17.07	17.17	17.17	19	5				
10	256QAM	25	12	17.23	17.24	17.20						
10	256QAM	25	25	17.17	17.14	17.23						
10	256QAM	50	0	17.12	17.10	17.24						
Channel												
Frequency (MHz)												
2375 2376 2385												
5	QPSK	1	0	22.04	22.16	22.13	24	0				
5	QPSK	1	12	22.11	22.11	22.20						
5	QPSK	1	24	22.06	22.23	22.20						
5	QPSK	12	0	21.10	21.02	21.25						
5	QPSK	12	7	21.21	21.14	21.21	23	1				
5	QPSK	12	13	21.16	21.23	21.20						
5	QPSK	25	0	21.03	21.20	21.10						
5	16QAM	1	0	21.19	21.16	21.15						
5	16QAM	1	12	21.08	21.15	21.10	23	1				
5	16QAM	1	24	21.07	21.21	21.17						
5	16QAM	12	0	20.15	20.14	20.14						
5	16QAM	12	7	20.12	20.03	20.11						
5	16QAM	12	13	20.07	20.03	20.09	22	2				
5	16QAM	25	0	20.11	20.17	20.07						
5	16QAM	1	0	20.12	20.14	20.10	21	3				
5	16QAM	1	12	20.13	20.06	20.05						
5	16QAM	1	24	20.08	20.20	20.13						
5	16QAM	12	0	19.21	19.16	19.16						
5	16QAM	12	7	19.16	19.19	19.16	21	3				
5	16QAM	12	13	19.13	19.03	19.03						
5	16QAM	25	0	19.09	19.22	19.22						
5	16QAM	25	12	19.12	19.23	19.21						
5	16QAM	1	12	17.12	17.17	17.07	19	5				
5	256QAM	1	24	17.11	17.18	17.19						
5	256QAM	12	0	17.10	17.10	17.20						
5	256QAM	12	7	17.12	17.09	17.20						
5	256QAM	12	13	17.11	17.22	17.06	19	5				
5	256QAM	25	0	17.06	17.06	17.16						

Band 25_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.80	19.08	19.05			21.5	0		
20	QPSK	1	49	19.75	19.87	19.76						
20	QPSK	1	99	19.82	19.87	19.85			21.5	0		
20	QPSK	50	3	19.73	19.84	19.70						
20	QPSK	50	24	19.82	19.84	19.84			21.5	0		
20	QPSK	50	50	19.85	19.87	19.87						
20	QPSK	100	0	19.73	19.74	19.67			21.5	0		
20	16QAM	1	49	19.84	19.86	19.86						
20	16QAM	1	49	19.89	19.84	19.80			21.5	0		
20	16QAM	1	99	19.71	19.77	19.73						
20	16QAM	50	0	19.82	19.86	19.84			21.5	0		
20	16QAM	50	24	19.89	19.83	19.71						
20	16QAM	50	50	19.87	19.75	19.68			21.5	0		
20	16QAM	100	0	19.85	19.80	19.68						
20	64QAM	1	0	19.69	19.74	19.68			21	0.5		
20	64QAM	1	49	19.85	19.72	19.58						
20	64QAM	1	99	19.84	19.83	19.82			21	0.5		
20	64QAM	50	0	19.16	19.21	19.25						
20	64QAM	50	24	19.15	19.21	19.25			19	2.5		
20	64QAM	50	50	19.13	19.25	19.22						
20	64QAM	100	0	19.17	19.26	19.21			19	2.5		
20	256QAM	1	49	17.13	17.25	17.16						
20	256QAM	1	99	17.09	17.20	17.14			19	2.5		
20	256QAM	50	0	17.14	17.29	17.22						
20	256QAM	50	24	17.19	17.24	17.26			19	2.5		
20	256QAM	50	50	17.22	17.23	17.21						
20	256QAM	100	0	17.14	17.19	17.20			Turn-on time (sec)	MFR (dB)		
20	256QAM	100	0	17.14	17.19	17.20						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.81	19.86	19.73			21.5	0		
15	QPSK	1	37	19.89	19.86	19.71						
15	QPSK	1	74	19.84	19.78	19.79			21.5	0		
15	QPSK	36	0	19.86	19.71	19.72						
15	QPSK	36	20	19.69	19.53	19.56			21.5	0		
15	QPSK	36	39	19.83	19.70	19.68						
15	QPSK	75	0	19.68	19.70	19.59			21.5	0		
15	16QAM	1	0	19.62	19.52	19.63						
15	16QAM	1	37	19.85	19.86	19.86			21.5	0		
15	16QAM	1	74	19.81	19.70	19.65						
15	16QAM	36	0	19.66	19.52	19.57			21.5	0		
15	16QAM	36	20	19.56	19.53	19.61						
15	16QAM	36	39	19.63	19.67	19.61			21.5	0		
15	16QAM	75	0	19.54	19.50	19.61						
15	64QAM	1	0	19.61	19.61	19.61			21.5	0		
15	64QAM	1	37	19.62	19.58	19.59						
15	64QAM	1	74	19.61	19.59	19.59			21	0.5		
15	64QAM	36	0	19.55	19.59	19.23						
15	64QAM	36	20	19.54	19.56	19.18			19	2.5		
15	64QAM	36	39	19.58	19.56	19.56						
15	64QAM	75	0	19.16	19.12	19.10			19	2.5		
15	256QAM	1	0	17.12	17.23	17.02						
15	256QAM	1	37	17.02	17.18	17.12			19	2.5		
15	256QAM	1	74	17.04	17.14	17.13						
15	256QAM	36	0	17.12	17.24	17.14			19	2.5		
15	256QAM	36	20	17.17	17.12	17.16						
15	256QAM	36	39	17.18	17.03	17.29			19	2.5		
15	256QAM	75	0	17.08	17.06	17.06						
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.79	19.80	19.83			21.5	0		
20	QPSK	1	26	19.71	19.72	19.84						
20	QPSK	1	51	19.82	19.80	19.81			21.5	0		
20	QPSK	25	0	19.65	19.70	19.63						
20	QPSK	25	12	19.58	19.53	19.64			21.5	0		
20	QPSK	25	25	19.54	19.54	19.66						
20	QPSK	50	0	19.66	19.68	19.64			21.5	0		
20	QPSK	50	12	19.66	19.51	19.56						
20	QPSK	50	25	19.58	19.62	19.68			21.5	0		
20	16QAM	1	0	19.62	19.55	19.63						
20	16QAM	1	49	19.59	19.57	19.62			21.5	0		
20	16QAM	25	12	19.58	19.52	19.67						
20	16QAM	25	25	19.63	19.71	19.62			21.5	0		
20	16QAM	50	0	19.64	19.56	19.54						
20	16QAM	50	1	19.57	19.65	19.58			21.5	0		
20	64QAM	1	0	19.13	19.07	19.26						
20	64QAM	1	26	19.61	19.58	19.54			21.5	0		
20	64QAM	1	51	19.70	19.73	19.70						
20	64QAM	25	0	19.03	19.07	19.20			21	0.5		
20	64QAM	25	12	19.03	19.13	19.15						
20	64QAM	25	25	19.13	19.23	19.15			21	0.5		
20	64QAM	50	0	19.04	19.14	19.14						
20	256QAM	1	0	17.13	17.10	17.01			19	2.5		
20	256QAM	1	26	17.13	17.06	17.10						
20	256QAM	25	0	17.07	17.17	17.12			19	2.5		
20	256QAM	25	12	17.06	17.17	17.12						
20	256QAM	25	25	17.13	17.12	17.23			Turn-on time (sec)	MFR (dB)		
20	256QAM	50	0	17.09	17.06	17.25						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.74	19.74	19.74			21.5	0		
5	QPSK	1	12	19.61	19.65	19.70						
5	QPSK	1	24	19.75	19.75	19.75			21.5	0		
5	QPSK	12	5	19.68	19.74	19.64						
5	QPSK	12	7	19.59	19.51	19.53			21.5	0		
5	QPSK	12	19	19.63	19.58	19.65						
5	QPSK	15	0	19.59	19.58	19.65			21.5	0		
5	16QAM	1	0	19.64	19.61	19.63						
5	16QAM	1	12	19.63	19.54	19.63			21.5	0		
5	16QAM	1	24	19.70	19.73	19.70						
5	16QAM	12	7	19.57	19.50	19.69			21.5	0		
5	16QAM	12	13	19.62	19.72	19.63						
5	16QAM	25	0	19.62	19.63	19.64			21.5	0		
5	16QAM	25	1	19.60	19.61	19.58						
5	64QAM	1	12	19.52	19.64	19.54			21.5	0		
5	64QAM	1	24	19.51	19.58	19.54						
5	64QAM	12	0	19.00	19.17	19.24			21	0.5		
5	64QAM	12	13	19.12	19.14	19.12						
5	64QAM	25	0	19.09	19.12	19.18			19	2.5		
5	256QAM	1	0	17.07	17.13	17.10						
5	256QAM	1	12	17.15	17.01	17.10			19	2.5		
5	256QAM	1	24	17.06	17.16	17.09						
5	256QAM	12	0	17.04	17.15	17.10			19	2.5		
5	256QAM	12	7	17.11	17.23	17.17						
5	256QAM	12	13	17.15	17.09	17.19			19	2.5		
5	256QAM	25	0	17.07	17.07	17.20						
5	256QAM	25	0	17.07	17.07	17.20			Turn-on time (sec)	MFR (dB)		
5	256QAM	50	0	17.09	17.06	17.25						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	19.76	19.76	19.74			21.5	0		
1.4	QPSK	1	3	19.74	19.73	19.65						
1.4	QPSK	1	5	19.75	19.72	19.70			21.5	0		
1.4	QPSK	3	0	19.62	19.74	19.67						
1.4	QPSK	3		19.60	19.58	19.60			21.5	0		
1.4	QPSK	6	0	19.63	19.65	19.56						
1.4	QPSK	6	0	19.62	19.65	19.56			21.5	0		
1.4	QPSK	15	0	19.57	19.59	19.63						
1.4	QPSK	15	0	19.58	19.61	19.58			21.5	0		
1.4	QPSK	30	0	19.57	19.61	19.58						
1.4	QPSK	30	0	19.57	19.61	19.58			21.5	0		
1.4	QPSK	60	0	19.56	19.59	19.58						
1.4	QPSK	60	0	19.56	19.59	19.58			21.5	0		
1.4	QPSK	120	0	19.55	19.58	19.57						
1.4	QPSK	120	0	19.55	19.58	19.57			21.5	0		
1.4	QPSK	240	0	19.54	19.57	19.56						
1.4	QPSK	240	0	19.54	19.57	19.56			21	0.5		
1.4	QPSK	480	0	19.53	19.56	19.55						
1.4	QPSK	480	0	19.53	19.56	19.55			21	0.5		
1.4	QPSK	960	0	19.52	19.54	19.57						
1.4	QPSK	960	0	19.52	19.54	19.57			19	2.5		
1.4	QPSK	1920	0	19.51	19.53	19.56						
1.4	QPSK	1920	0	19.51	19.53	19.56			Turn-on time (sec)	MFR (dB)		
1.4	QPSK	3840	0	19.50	19.56	19.56						
1.4	QPSK	3840	0	19.50	19.56	19.56						
1.4	QPSK	7680	0	19.49	19.55	19.55						

Band 30_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power High Ch. [Frac]	Power High Ch. [Frac]	Turnup [dB]	MPE [dB]	
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.08			19.5	0	
15	QPSK	1	25	17.76					
15	QPSK	1	49	17.77					
15	QPSK	1	73	17.80					
15	QPSK	25	12	17.73			19.5	0	
15	QPSK	25	37	17.68					
15	QPSK	25	62	17.61					
15	QPSK	50	0	17.65					
15	HQAM	1	0	17.76			19.5	0	
15	HQAM	1	25	17.77					
15	HQAM	1	49	17.66					
15	HQAM	25	0	17.61					
15	HQAM	25	12	17.72			19.5	0	
15	HQAM	25	37	17.66					
15	HQAM	25	62	17.60					
15	HQAM	50	0	17.79					
15	HQAM	50	25	17.65			19.5	0	
15	HQAM	1	0	17.79					
15	HQAM	1	49	17.65					
15	HQAM	25	0	17.66					
15	HQAM	25	12	17.76			19	0.5	
15	HQAM	25	37	17.70					
15	HQAM	25	62	17.67					
15	HQAM	25	25	17.74					
15	HQAM	50	0	17.74			19	0.5	
15	HQAM	50	25	17.74					
15	HQAM	1	0	17.74					
15	HQAM	1	49	17.74					
Channel									
Frequency (MHz)									
15	QPSK	1	0	21665	21719	21736	Turnup [dB]	MPE [dB]	
15	QPSK	1	25	21675	21710	21715			
15	QPSK	1	12	17.72	17.71	17.71			
15	QPSK	1	24	17.62	17.68	17.66			
15	QPSK	12	0	17.67	17.66	17.62	19.5	0	
15	QPSK	12	13	17.61	17.68	17.62			
15	QPSK	12	18	17.60	17.69	17.69			
15	QPSK	12	24	17.60	17.69	17.69			
15	HQAM	1	0	17.63	17.67	17.65	19.5	0	
15	HQAM	1	25	17.72	17.73	17.73			
15	HQAM	12	0	17.74	17.69	17.70			
15	HQAM	12	13	17.76	17.77	17.76			
15	HQAM	12	18	17.76	17.77	17.73	19.5	0	
15	HQAM	12	24	17.66	17.66	17.69			
15	HQAM	12	18	17.68	17.61	17.59			
15	HQAM	12	24	17.62	17.66	17.67			
15	HQAM	12	0	17.68	17.66	17.66	19.5	0	
15	HQAM	12	13	17.66	17.66	17.69			
15	HQAM	12	18	17.66	17.66	17.69			
15	HQAM	12	24	17.67	17.77	17.74			
15	SSBDM	1	0	17.68	17.64	17.60	19	0.5	
15	SSBDM	1	25	17.68	17.64	17.60			
15	SSBDM	12	0	17.68	17.64	17.60			
15	SSBDM	12	13	17.68	17.64	17.60			
15	SSBDM	12	18	17.68	17.64	17.60	19	0.5	
15	SSBDM	12	24	17.67	17.67	17.67			
15	SSBDM	12	0	17.68	17.64	17.60			
15	SSBDM	12	13	17.68	17.64	17.60			

Band 71_Ant 0														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
133222 133297 133372														
20	QPSK	1	0	22.47	22.52	22.43	24	0						
20	QPSK	1	49	22.46	22.50	22.53								
20	QPSK	1	98	22.47	22.52	22.43								
20	QPSK	50	0	21.48	21.60	21.57	23	1						
20	QPSK	50	24	21.47	21.60	21.49								
20	QPSK	50	50	21.48	21.57	21.47								
20	16QAM	1	0	21.55	21.75	21.58	23	1						
20	16QAM	1	49	21.72	21.73	21.68								
20	16QAM	50	0	21.61	21.70	21.61								
20	16QAM	50	0	20.61	20.70	20.67	22	2						
20	16QAM	50	24	20.59	20.73	20.59								
20	16QAM	100	0	20.63	20.75	20.59								
20	16QAM	1	0	20.57	20.68	20.62	22	2						
20	16QAM	1	49	20.44	20.69	20.44								
20	16QAM	50	0	19.73	19.75	19.74								
20	16QAM	50	24	19.50	19.70	19.53	21	3						
20	16QAM	50	50	19.51	19.68	19.48								
20	16QAM	100	0	19.59	19.72	19.61								
20	256QAM	1	0	17.34	17.37	17.36	19	5						
20	256QAM	1	49	17.47	17.48	17.37								
20	256QAM	1	99	17.36	17.41	17.32								
20	256QAM	50	0	17.40	17.37	17.44	19	5						
20	256QAM	50	24	17.43	17.46	17.49								
20	256QAM	50	24	17.43	17.36	17.34								
20	256QAM	100	0	17.42	17.33	17.43	19	5						
20	256QAM	100	0	17.42	17.33	17.43								
20	256QAM	100	0	17.42	17.33	17.43								
Channel														
Frequency (MHz)														
6715 6805 6895														
15	QPSK	1	0	22.46	22.45	22.49	24	0						
15	QPSK	1	37	22.35	22.39	22.32								
15	QPSK	1	74	22.37	22.47	22.26								
15	QPSK	36	0	21.33	21.57	21.47	23	1						
15	QPSK	36	20	21.37	21.44	21.44								
15	QPSK	36	36	21.46	21.54	21.39								
15	QPSK	75	0	21.35	21.49	21.46	23	1						
15	16QAM	1	0	21.49	21.64	21.41								
15	16QAM	1	39	21.54	21.67	21.54								
15	16QAM	1	74	21.54	21.57	21.42	22	2						
15	16QAM	36	0	20.48	20.64	20.64								
15	16QAM	36	26	20.52	20.57	20.51								
15	16QAM	36	36	20.50	20.67	20.43	22	2						
15	16QAM	75	0	20.62	20.69	20.65								
15	16QAM	1	0	20.45	20.54	20.59								
15	16QAM	1	37	20.24	20.47	20.30	22	2						
15	16QAM	1	74	20.26	20.57	20.34								
15	16QAM	36	0	19.65	19.73	19.70								
15	16QAM	36	20	19.48	19.51	19.48	21	3						
15	16QAM	36	36	19.55	19.53	19.45								
15	16QAM	75	0	19.59	19.69	19.47								
15	256QAM	1	0	17.44	17.45	17.39	19	5						
15	256QAM	1	37	17.37	17.45	17.40								
15	256QAM	1	74	17.42	17.45	17.44								
15	256QAM	36	0	17.36	17.43	17.34	19	5						
15	256QAM	36	26	17.40	17.44	17.44								
15	256QAM	36	36	17.41	17.38	17.38								
15	256QAM	75	0	17.42	17.48	17.42	19	5						
15	256QAM	75	0	17.42	17.48	17.42								
15	256QAM	75	0	17.42	17.48	17.42								
Channel														
Frequency (MHz)														
133172 133297 133422														
10	QPSK	1	0	22.39	22.53	22.41	24	0						
10	QPSK	1	26	22.38	22.50	22.35								
10	QPSK	1	49	22.28	22.47	22.19								
10	QPSK	25	0	21.46	21.61	21.54	23	1						
10	QPSK	25	12	21.46	21.47	21.59								
10	QPSK	25	25	21.47	21.44	21.33								
10	QPSK	25	25	21.47	21.44	21.33	23	1						
10	QPSK	50	0	21.39	21.39	21.46								
10	QPSK	50	0	21.47	21.57	21.45								
10	16QAM	1	25	21.69	21.72	21.64	23	1						
10	16QAM	1	49	21.43	21.67	21.43								
10	16QAM	25	0	20.57	20.54	20.60								
10	16QAM	25	12	20.50	20.58	20.44	22	2						
10	16QAM	25	25	20.48	20.61	20.45								
10	16QAM	50	0	20.46	20.60	20.45								
10	16QAM	1	0	20.48	20.67	20.55	22	2						
10	16QAM	1	26	20.40	20.58	20.38								
10	16QAM	1	49	20.34	20.50	20.49								
10	16QAM	25	0	19.57	19.59	19.73	21	3						
10	16QAM	25	12	19.47	19.58	19.57								
10	16QAM	25	25	19.44	19.48	19.29								
10	16QAM	50	0	19.42	19.59	19.41	19	5						
10	16QAM	1	0	17.47	17.40	17.39								
10	256QAM	1	49	17.42	17.43	17.38								
10	256QAM	1	25	17.47	17.45	17.43	19	5						
10	256QAM	25	0	17.30	17.45	17.42								
10	256QAM	25	12	17.26	17.40	17.39								
10	256QAM	25	25	17.45	17.41	17.31	19	5						
10	256QAM	50	0	17.47	17.33	17.38								
10	256QAM	50	0	17.47	17.33	17.38								
Channel														
Frequency (MHz)														
6865 6955 6965														
5	QPSK	1	0	22.47	22.42	22.46	24	0						
5	QPSK	1	12	22.40	22.34	22.28								
5	QPSK	1	24	22.43	22.38	22.23								
5	QPSK	12	7	21.30	21.42	21.33	23	1						
5	QPSK	12	13	21.43	21.55	21.32								
5	QPSK	25	0	21.43	21.51	21.38								
5	16QAM	1	0	21.57	21.71	21.44	23	1						
5	16QAM	1	12	21.62	21.64	21.64								
5	16QAM	1	24	21.42	21.66	21.39								
5	16QAM	12	7	20.49	20.61	20.54	22	2						
5	16QAM	12	13	20.58	20.58	20.44								
5	16QAM	25	0	20.49	20.59	20.47								
5	16QAM	1	0	20.55	20.59	20.59	22	2						
5	16QAM	1	12	20.30	20.48	20.25								
5	16QAM	1	24	20.32	20.47	20.23								
5	16QAM	12	7	19.70	19.81	19.57	21	3						
5	16QAM	12	13	19.47	19.68	19.42								
5	16QAM	25	0	19.44	19.65	19.41								
5	16QAM	25	0	19.38	19.71	19.45	19	5						
5	256QAM	1	12	17.40	17.33	17.35								
5	256QAM	1	24	17.37	17.48	17.47								
5	256QAM	12	7	17.26	17.38	17.25	19	5						
5	256QAM	12	13	17.33	17.39	17.38								
5	256QAM	12	13	17.36	17.50	17.31								
5	256QAM	25	0	17.46	17.46	17.49	19	5						
5	256QAM	25	0	17.46	17.46	17.49								
5	256QAM	25	0	17.46	17.46	17.49								

Band 38_Ant 2										
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch [mW]	Power Med Ch [mW]	Power High Ch [mW]	Turn-up [dB]	MPE [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.67	22.75	22.75				
20	QPSK	1	40	22.57	22.59	22.65	24	0		
20	QPSK	1	90	22.63	22.62	22.67				
20	QPSK	50	0	21.55	21.57	21.59				
20	QPSK	50	24	21.57	21.57	21.60	23	1		
20	QPSK	50	50	21.52	21.61	21.59				
20	QPSK	100	0	21.57	21.58	21.58				
20	16QAM	1	0	21.78	21.78	21.80				
20	16QAM	1	40	21.88	21.78	21.88	23	1		
20	16QAM	1	90	21.75	21.80	21.80				
20	16QAM	50	0	20.85	20.88	20.85				
20	16QAM	50	24	20.88	20.79	20.75	22	2		
20	16QAM	50	50	20.55	20.77	20.82				
20	16QAM	100	0	20.52	20.58	20.71				
20	16QAM	1	90	20.57	20.62	20.63	22	2		
20	16QAM	1	40	20.59	20.57	20.59				
20	16QAM	50	24	19.54	19.51	19.57	21	3		
20	16QAM	50	50	19.53	19.62	19.70				
20	16QAM	100	0	19.50	19.58	19.76				
20	256QAM	1	0	17.40	17.46	17.43				
20	256QAM	1	40	17.27	17.38	17.40	19	5		
20	256QAM	1	90	17.26	17.42	17.38				
20	256QAM	50	0	17.26	17.38	17.38				
20	256QAM	50	24	17.24	17.39	17.29	19	5		
20	256QAM	50	50	17.29	17.34	17.30				
20	256QAM	100	0	17.29	17.34	17.30				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.73	22.80	22.87				
15	QPSK	1	37	22.56	22.51	22.67	24	0		
15	QPSK	1	74	22.56	22.51	22.67				
15	QPSK	36	0	21.63	21.61	21.64				
15	QPSK	36	20	21.47	21.37	21.59	23	1		
15	QPSK	36	39	21.55	21.59	21.61				
15	QPSK	75	0	21.55	21.53	21.60				
15	16QAM	1	0	21.80	21.85	21.83				
15	16QAM	1	37	21.67	21.62	21.69	23	1		
15	16QAM	1	74	21.63	21.69	21.80				
15	16QAM	36	0	20.45	20.59	20.53				
15	16QAM	36	20	20.47	20.64	20.62	22	2		
15	16QAM	36	39	20.43	20.54	20.78				
15	16QAM	75	0	20.50	20.49	20.51				
15	16QAM	1	0	20.48	20.57	20.48				
15	16QAM	1	37	20.47	20.49	20.48	22	2		
15	16QAM	1	74	20.53	20.72	20.68				
15	16QAM	36	0	19.45	19.32	19.38				
15	16QAM	36	20	19.48	19.39	19.37	21	3		
15	16QAM	36	39	19.52	19.57	19.53				
15	16QAM	75	0	19.38	19.53	19.61				
15	256QAM	1	0	17.24	17.24	17.24				
15	256QAM	1	37	17.24	17.22	17.31	19	5		
15	256QAM	1	74	17.22	17.21	17.20				
15	256QAM	36	0	17.25	17.21	17.26				
15	256QAM	36	20	17.06	17.20	17.20	19	5		
15	256QAM	36	39	17.12	17.21	17.21				
15	256QAM	75	0	17.12	17.21	17.25				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.54	22.67	22.69				
10	QPSK	1	25	22.52	22.52	22.61	24	0		
10	QPSK	1	40	22.58	22.58	22.62				
10	QPSK	25	0	21.67	21.68	21.62				
10	QPSK	25	12	21.43	21.47	21.44	23	1		
10	QPSK	25	24	21.40	21.46	21.50				
10	QPSK	50	0	21.67	21.58	21.65				
10	16QAM	1	0	21.67	21.67	21.67				
10	16QAM	1	25	21.68	21.69	21.70	23	1		
10	16QAM	1	40	21.61	21.70	21.75				
10	16QAM	25	0	20.43	20.57	20.48				
10	16QAM	25	12	20.45	20.60	20.59	22	2		
10	16QAM	25	24	20.39	20.60	20.78				
10	16QAM	50	0	20.44	20.52	20.50				
10	16QAM	1	40	20.50	20.23	20.61	22	2		
10	16QAM	25	0	19.38	19.45	19.50				
10	16QAM	25	12	19.45	19.39	19.67	21	3		
10	16QAM	25	24	19.51	19.50	19.58				
10	256QAM	1	0	17.25	17.25	17.25				
10	256QAM	1	40	17.25	17.17	17.26	19	5		
10	256QAM	1	25	17.18	17.17	17.25				
10	256QAM	25	0	17.25	17.21	17.26				
10	256QAM	25	12	17.24	17.23	17.21	19	5		
10	256QAM	25	24	17.18	17.26	17.18				
10	256QAM	50	0	17.27	17.21	17.21				
10	256QAM	50	0	17.15	17.20	17.21				

Band 38_Ant 9										
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch [mW]	Power Med Ch [mW]	Power High Ch [mW]	Turn-up [dB]	MPE [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.55	22.57	22.55				
20	QPSK	1	40	21.95	21.96	21.99	23	0		
20	QPSK	1	90	22.02	22.02	21.98				
20	QPSK	50	0	21.86	21.87	21.86				
20	QPSK	50	50	21.50	21.85	21.85	23	0		
20	QPSK	100	0	21.82	21.85	21.85				
20	16QAM	1	0	21.78	21.79	21.81				
20	16QAM	1	40	21.78	21.79	21.87	23	0		
20	16QAM	1	90	21.97	21.88	21.90				
20	16QAM	50	0	20.87	20.88	20.86				
20	16QAM	50	24	20.86	20.88	21.00	22	1		
20	16QAM	50	50	20.94	20.95	21.09				
20	16QAM	100	0	20.87	20.96	21.05				
20	16QAM	1	0	20.71	20.81	20.81				
20	16QAM	1	40	20.90	20.87	20.76	22	1		
20	16QAM	99	20.79	20.77	20.62					
20	16QAM	50	0	19.87	19.88	19.97				
20	16QAM	50	24	19.93	19.91	20.03	21	2		
20	16QAM	50	50	19.94	19.91	20.15				
20	16QAM	100	0	19.93	19.91	19.98				
20	256QAM	1	0	17.65	17.72	17.88				
20	256QAM	1	40	17.45	17.55	17.25	19	4		
20	256QAM	1	90	17.62	17.66	17.58				
20	256QAM	50	0	17.62	17.66	17.58				
20	256QAM	50	24	17.81	17.62	17.51	19	4		
20	256QAM	50	50	17.59	17.61	17.83				
20	256QAM	100	0	17.62	17.62	17.81				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.77	21.79	21.73				
15	QPSK	1	0	21.84	21.84	21.73				
15	QPSK	1	37	21.80	21.88	21.96	23	0		
15	QPSK	1	74	22.04	21.96	21.87				
15	QPSK	36	0	21.85	21.80	21.91				
15	QPSK	36	20	21.84	21.83	21.88	23	0		
15	QPSK	36	39	21.81	21.85	21.85				
15	QPSK	75	0	21.79	21.93	21.74				
15	16QAM	1	0	21.61	21.70	21.83				
15	16QAM	1	37	21.58	21.76	21.89	23	0		
15	16QAM	1	74	21.95	21.77	21.81				
15	16QAM	36	0	20.77	20.82	20.78				
15	16QAM	36	20	20.85	20.73	20.90	22	1		
15	16QAM	36	39	20.87	20.83	20.89				
15	16QAM	75	0	20.76	20.76	20.85				
15	16QAM	1	0	20.70	20.54	20.52				
15	16QAM	1	37	20.55	20.59	20.72	22	1		
15	16QAM	1	74	20.72	20.74	20.80				
15	16QAM	36	0	19.70	19.79	19.90				
15	16QAM	36	20	19.78	19.75	19.85	21	2		
15	16QAM	36	39	19.74	19.77	20.11				
15	16QAM	75	0	19.69	19.62	19.82				
15	256QAM	1	0	17.40	17.40	17.40				
15	256QAM	1	37	17.40	17.42	17.38	19	4		
15	256QAM	1	74	17.58	17.57	17.57				
15	256QAM	50	0	17.58	17.57	17.57				
15	256QAM	50	24	17.76	17.57	17.46	19	4		
15	256QAM	50	50	17.42	17.42	17.42				
15	256QAM	100	0	17.32	17.53	17.64				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.68	21.68	21.68				
10	QPSK	1	0	21.78	21.78	21.78				
10	QPSK	1	24	22.04	21.96	21.87	23	0		
10	QPSK	12	0	21.85	21.80	21.91				
10	QPSK	12	0	21.81	21.77	21.75				
10	QPSK	12	12	21.78	21.73	21.73	23	0		
10	QPSK	12	13	21.87	21.77	21.85				
10	QPSK	20	0	21.80	21.75	21.80				
10	16QAM	1	0	21.60	21.64	21.71				
10	16QAM	1	12	21.67	21.64	21.60				
10	16QAM	1	12	21.68	21.62	21.62	23	0		
10	16QAM	12	0	20.83	20.83	20.79				
10	16QAM	12	0	20.77	20.84	21.01				
10	16QAM	12	12	20.84	20.84	20.84	22	1		
10	16QAM	20	0	20.75	20.88	21.04				
10	16QAM	20	0	20.75	20.84	20.84				
10	16QAM	12	12	20.52	20.49	20.61	22	1		
10	16QAM	12	20	20.76	20.68	20.63				
10	16QAM	12	0	19.88	19.86	19.86				
10	16QAM	12	7	19.74	19.87	19.84	21	2		
10	256QAM	1	0	17.48	17.48	17.48				
10	256QAM	12	0	17.28	17.28	17.44	19	4		
10	256QAM	12	0	17.55	17.54	17.60				
10	256QAM	12	12	17.42	17.42	17.42				
10	256QAM	12	7	17.42	17.55	17.34	19	4		
10	256QAM	12	13	17.36	17.58	17.60				

Band 41 (HPUE)_Ant 2												
BRZ (MHz)	Modulation	RB Count	RB Offset	Power Ch. Freq (MHz)	Power Ch. Low Freq (MHz)	Power Ch. High Freq (MHz)	Power Ch. Freq (MHz)	Power Ch. Low Freq (MHz)	Power Ch. High Freq (MHz)	Power Ch. Freq (MHz)	Time-gr (ms)	MPR (dB)
Channel												
30	QPSK	1	0	3970	4585	4960	4585	4585	4585	4585		
30	QPSK	1	0	20.95	26.28	28.20	26.28	26.28	26.28	26.28		
30	QPSK	1	46	20.95	26.28	28.20	26.28	26.28	26.28	26.28		27
30	QPSK	50	0	20.86	24.31	24.56	24.56	24.56	24.56	24.56		
30	QPSK	50	24	20.86	24.31	24.56	24.56	24.56	24.56	24.56		
30	QPSK	50	46	21.63	24.36	24.16	24.16	24.16	24.16	24.16		26
30	QPSK	100	0	21.74	24.34	24.16	24.32	24.32	24.32	24.32		
30	QPSK	100	24	21.74	24.34	24.16	24.32	24.32	24.32	24.32		
30	QPSK	1	46	24.87	24.47	24.22	24.27	24.27	24.27	24.27		26
30	QPSK	50	0	24.88	24.63	24.26	24.60	24.60	24.60	24.60		
30	QPSK	50	24	24.88	24.63	24.26	24.60	24.60	24.60	24.60		
30	QPSK	50	46	25.65	24.31	24.16	24.16	24.16	24.16	24.16		26
30	QPSK	100	0	24.82	24.36	24.12	24.38	24.38	24.38	24.38		
30	QPSK	100	24	24.82	24.36	24.12	24.38	24.38	24.38	24.38		
30	QPSK	100	46	25.61	24.39	24.15	24.36	24.36	24.36	24.36		27
30	QPSK	1	99	10.81	23.39	23.15	23.66	23.66	23.66	23.66		
30	QPSK	1	99	10.85	23.39	23.15	23.65	23.65	23.65	23.65		
30	QPSK	1	99	10.94	23.38	23.12	23.72	23.72	23.72	23.72		
30	QPSK	1	99	10.98	23.38	23.12	23.72	23.72	23.72	23.72		
30	QPSK	1	0	15.79	20.19	20.21	20.37	20.37	20.37	20.37		24
30	QPSK	1	0	15.81	20.19	20.24	20.33	20.34	20.34	20.34		
30	QPSK	1	0	15.81	20.19	20.24	20.33	20.34	20.34	20.34		
30	QPSK	1	0	16.88	20.22	20.26	20.27	20.28	20.28	20.28		
30	QPSK	1	0	16.88	20.22	20.26	20.27	20.28	20.28	20.28		
30	QPSK	1	0	17.88	20.17	20.11	20.39	20.39	20.39	20.39		22
30	QPSK	1	0	17.88	20.17	20.18	20.38	20.38	20.38	20.38		
30	QPSK	1	0	16.69	20.16	20.08	20.38	20.38	20.38	20.38		
Frequency (MHz)												
30	QPSK	1	0	20.92	26.22	26.19	26.31	26.31	26.31	26.31		
30	QPSK	1	0	20.92	26.22	26.19	26.31	26.31	26.31	26.31		
30	QPSK	1	74	20.92	26.19	26.16	26.34	26.34	26.34	26.34		27
30	QPSK	1	74	20.92	26.19	26.16	26.34	26.34	26.34	26.34		
30	QPSK	36	0	21.67	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	21.67	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	21.67	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	21.67	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	22.44	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	22.44	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	22.97	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	22.97	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	22.97	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	22.97	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	22.97	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	22.97	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	23.74	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	23.74	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	24.27	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	24.27	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	24.27	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	24.27	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	24.27	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	24.27	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	25.04	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	25.04	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	25.57	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	25.57	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	25.57	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	25.57	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	25.57	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	25.57	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	26.34	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	26.34	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	26.87	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	26.87	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	26.87	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	26.87	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	26.87	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	26.87	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	27.64	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	27.64	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	28.17	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	28.17	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	28.17	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	28.17	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	28.17	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	28.17	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	28.94	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	28.94	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	29.47	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	29.47	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	29.47	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	29.47	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	29.47	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	29.47	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	30.24	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	30.24	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	30.77	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	30.77	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	30.77	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	30.77	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	30.77	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	30.77	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	31.54	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	31.54	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	32.07	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	32.07	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	32.07	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	32.07	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	32.07	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	32.07	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	32.84	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	32.84	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	33.37	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	99	33.37	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	33.37	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	0	33.37	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	24	33.37	24.13	24.23	24.36	24.36	24.36	24.36		26
30	QPSK	36	24	33.37	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	34.14	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	46	34.14	24.13	24.23	24.36	24.36	24.36	24.36		
30	QPSK	36	99	34.67	24.13	24.23	24.					

Band 41_Ant 9												
RF (MHz)	Modulation	RF BW	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)
Channel	Frequency (MHz)	RF BW	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)
20	OPSK	1	0	20.00	22.38	21.68	22.40	22.81				
20	OPSK	1	-46	22.52	22.22	22.09	22.42	22.38				
20	OPSK	50	0	19.19	21.82	21.60	21.44	22.06				
20	OPSK	50	-24	21.02	21.16	21.16	21.16	22.06				
20	OPSK	100	0	19.08	21.12	21.81	21.94	22.37				
20	OPSK	100	-24	21.02	21.16	21.16	21.16	22.06				
20	QAM64	1	-46	22.02	21.18	21.79	21.92	22.50				
20	QAM64	50	0	20.04	21.81	21.83	21.88	22.40				
20	QAM64	50	-24	21.02	21.16	21.16	21.16	22.06				
20	QAM64	100	0	21.10	20.84	20.89	21.00	21.41				
20	QAM64	100	-24	21.02	21.16	21.16	21.16	22.06				
20	QAM64	100	0	18.15	20.94	20.92	20.99	21.43				
20	QAM64	1	0	17.84	20.05	20.40	20.50	21.08				
20	QAM64	1	-46	20.04	20.18	20.18	20.18	21.08				
20	QAM64	1	99	20.00	20.08	20.48	20.52	21.21				
20	QAM64	1	99	20.00	20.08	20.48	20.52	21.21				
20	QAM64	50	0	19.12	19.93	19.94	20.02	20.41				
20	QAM64	50	-24	19.02	19.93	19.94	20.02	20.41				
20	QAM64	100	0	19.08	19.88	19.94	20.08	20.44				
20	QAM64	100	-24	19.02	19.93	19.94	20.02	20.41				
20	QAM64	100	0	14.91	17.46	17.45	17.68	19.19				
20	QAM64	1	0	14.91	17.46	17.45	17.68	19.19				
20	QAM64	1	99	17.73	17.54	17.71	17.54	18.06				
20	QAM64	50	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	50	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	17.73	17.56	17.31	17.84	18.07				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	0	15.38	17.68	17.37	17.81	18.43				
20	QAM64	100	-24	15.38	17.68	17.37	17.81	18.43				

Band 41 (HPUE)_Ant 9																	
BS (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Low Mod Ch/Freq	Power High Ch/Freq	Power High Mod Ch/Freq	Time-up (sec)	MPR (dB)								
Channel																	
39705 40160 40620 41080 41540																	
Frequency (MHz)																	
20	QPSK	1	0	21.40	23.75	23.55	24.65	24.40	25.1	0							
20	QPSK	1	80	21.40	23.75	23.55	24.65	24.40									
20	QPSK	1	96	21.40	23.75	23.55	24.65	24.40									
20	QPSK	24	0	21.54	23.74	23.45	23.95	24.28									
20	QPSK	24	80	21.54	23.74	23.45	23.95	24.28	25.1	0							
20	QPSK	24	96	21.54	23.74	23.45	23.95	24.28									
20	QPSK	55	0	22.10	23.67	23.48	24.60	24.38									
20	QPSK	55	80	22.10	23.67	23.48	24.60	24.38									
20	QPSK	55	96	22.10	23.67	23.48	24.60	24.38	25.1	0							
20	QPSK	1	0	20.60	23.73	23.63	24.50	24.49									
20	QPSK	1	80	20.60	23.67	23.65	24.15	24.36									
20	QPSK	1	96	20.60	23.73	23.65	24.15	24.36									
20	QPSK	55	0	20.42	23.75	23.58	24.15	24.42	25	0.1							
20	QPSK	55	80	20.42	23.68	23.58	24.15	24.43									
20	QPSK	55	96	20.42	23.75	23.57	23.57	24.50					24.41				
20	QPSK	100	0	20.22	23.73	23.59	24.65	24.42									
20	QPSK	100	80	20.22	23.68	23.58	24.15	24.43	25	0.1							
20	QPSK	100	96	20.40	23.67	23.63	24.57	24.49									
20	QPSK	99	24	20.58	23.70	23.59	24.60	24.35									
20	QPSK	99	80	20.45	23.75	23.61	23.95	23.35									
20	25GQAM	1	0	16.23	20.71	20.43	21.62	21.18	22	3.1							
20	25GQAM	1	80	20.69	20.47	20.42	20.88	21.07									
20	25GQAM	1	96	20.67	20.67	20.40	20.84	21.10									
20	25GQAM	55	0	20.70	20.60	20.25	20.54	21.18									
20	25GQAM	55	80	20.68	20.53	20.45	20.88	21.08	22	3.1							
20	25GQAM	55	96	20.68	20.53	20.45	20.88	21.08									
20	25GQAM	100	0	17.08	20.57	20.51	20.95	21.04									
Channel																	
39725 40173 40630 41086 41515																	
Frequency (MHz)																	
15	QPSK	1	0	21.33	23.72	23.57	24.40	24.27	25.1	0							
15	QPSK	1	80	21.38	23.62	23.56	23.97	24.30									
15	QPSK	1	96	21.38	23.62	23.56	23.97	24.30									
15	QPSK	1	74	21.59	23.64	23.42	23.97	24.17									
15	QPSK	36	0	21.17	23.78	23.62	24.88	24.32	25.1	0							
15	QPSK	36	80	21.86	23.71	23.42	23.98	24.10									
15	QPSK	36	96	21.86	23.71	23.42	23.98	24.10									
15	QPSK	75	0	21.24	23.67	23.49	24.50	24.21									
15	QPSK	1	0	20.48	23.71	23.51	23.93	24.27	25.1	0							
15	QPSK	1	80	21.38	23.68	23.61	24.11	24.35									
15	QPSK	1	96	21.38	23.68	23.61	24.11	24.35									
15	QPSK	1	74	21.54	23.68	23.48	24.50	24.27									
15	QPSK	36	0	20.20	23.71	23.50	24.65	24.26	25	0.1							
15	QPSK	36	80	20.97	23.65	23.44	24.62	24.38									
15	QPSK	36	96	20.97	23.65	23.44	24.62	24.38									
15	QPSK	75	0	21.02	23.70	23.55	23.97	24.27									
15	QPSK	100	0	20.22	23.62	23.56	24.60	24.28	24	1.1							
15	QPSK	100	80	20.22	23.62	23.56	24.60	24.28									
15	QPSK	100	96	20.22	23.62	23.56	24.60	24.28									
15	QPSK	75	0	19.18	22.80	22.82	22.88	23.21									
15	25GQAM	1	0	17.25	20.59	20.48	20.95	21.29	22	3.1							
15	25GQAM	1	80	20.64	20.54	20.38	20.77	21.14									
15	25GQAM	1	96	20.75	20.51	20.31	20.86	21.18									
15	25GQAM	55	0	20.72	20.59	20.48	20.95	21.29									
15	25GQAM	55	80	20.70	20.60	20.31	20.84	21.21	22	3.1							
15	25GQAM	55	96	20.68	20.50	20.35	20.85	21.18									
15	25GQAM	100	0	17.30	20.50	20.35	20.85	21.18									
15	25GQAM	100	80	17.30	20.50	20.35	20.85	21.18									
Channel																	
39700 40160 40620 41080 41540																	
Frequency (MHz)																	
10	QPSK	1	0	21.31	23.65	23.61	24.13	24.33	25.1	0							
10	QPSK	1	80	21.34	23.68	23.58	23.88	24.28									
10	QPSK	1	96	21.34	23.68	23.58	23.88	24.28									
10	QPSK	25	0	20.28	23.75	23.57	24.10	24.30									
10	QPSK	25	12	21.88	23.70	23.45	23.98	24.24	25.1	0							
10	QPSK	25	80	21.83	23.57	23.48	23.88	24.23									
10	QPSK	25	96	21.83	23.57	23.48	23.88	24.23									
10	QPSK	55	0	22.23	23.60	23.59	24.60	24.23									
10	QPSK	55	80	22.23	23.60	23.59	24.60	24.23	25.1	0							
10	QPSK	55	96	22.23	23.60	23.59	24.60	24.23									
10	QPSK	1	0	20.31	23.67	23.63	24.50	24.30									
10	QPSK	1	80	20.39	23.67	23.62	23.97	24.23	25	0.1							
10	QPSK	1	96	20.39	23.67	23.62	23.97	24.23									
10	QPSK	25	12	21.88	23.62	23.61	24.50	24.31									
10	QPSK	25	80	21.84	23.78	23.54	23.95	24.32									
10	QPSK	25	96	21.84	23.78	23.54	23.95	24.32	25	0.1							
10	QPSK	55	0	21.24	23.62	23.53	23.94	24.28									
10	QPSK	55	80	21.24	23.62	23.53	23.94	24.28									
10	QPSK	55	96	21.24	23.62	23.53	23.94	24.28									
10	QPSK	1	0	19.22	23.51	23.42	24.50	24.32	25	0.1							
10	QPSK	1	80	21.86	23.64	23.49	24.50	24.27									
10	QPSK	1	96	21.86	23.64	23.49	24.50	24.27									
10	QPSK	25	0	20.23	23.58	23.56	23.88	23.30									
10	QPSK	25	12	22.01	23.69	23.60	23.92	24.40	24	1.1							
10	QPSK	25	80	22.01	23.68	23.59	23.92	24.40									
10	QPSK	25	96	22.01	23.68	23.59	23.92	24.40	22	3.1							
10	QPSK	1	0	16.16	20.71	20.40	20.87	21.26									
10	QPSK	1	80	20.60	20.46	20.30	20.60	21.09									
10	QPSK	1	96	20.58	20.58	20.30	20.60	21.09									
10	QPSK	25	0	19.27	20.68	20.49	20.78	21.17	22	3.1							
10	QPSK	25	12	21.87	20.63	20.41	20.91	21.12									
10	QPSK	25	80	21.87	20.63	20.41	20.91	21.12									
10	QPSK	25	96	21.87	20.63	20.41	20.91	21.12									
10	25GQAM	1	0	16.26	20.65	20.44	20.81	21.21	22	3.1							
10	25GQAM	1	80	20.64	20.48	20.29	20.67	21.11									
Channel																	
39724 40174 40626 41082 41516																	
Frequency (MHz)																	
5	QPSK	1	0	22.45	24.79	24.58	24.99	24.97	25.1	0							
5	QPSK	1	80	22.54	24.75	24.58	24.99	24.97									
5	QPSK	1	96	22.54	24.75	24.58	24.99	24.97									
5	QPSK	1	24	24.94	24.66	24.39	24.88	24.78									
5	QPSK	12	7	21.59	23.62	23.36	23.92	24.34	25.1	0							
5	QPSK	12	13	23.83	24.60	24.33	24.91	24.77									
5	QPSK	12	19	21.42	23.69	23.45	24.00	24.28									
5	QPSK	12	25	21.59	23.62	23.36	23.92	24.34									
5	25GQAM	1	0	21.54	23.69	23.43	24.91	24.47	25.1	0							
5	25GQAM	1	80	21.59	23.62	23.36	23.92	24.34									
5	25GQAM	1	96	21.59	23.62	23.36	23.92	24.34									
5	25GQAM	12	7	23.83	24.73	24.46	25.00	24.96									
5	25GQAM	12	13	23.86	24.72	24.45	25.00	24.96	25	0.1							
5	25GQAM	12	19	21.77	23.68	23.44	24.00	24.28									
5	25GQAM	12	25	21.77	23.68	23.44	24.00	24.28									
5	25GQAM	12	7	23.83	24.73	24.46	25.00	24.96									
5	25GQAM	12	13	23.86	24.72	24.45	25.00	24.96	24	1.1							
5	25GQAM	12	19	21.70	23.72	23.48	24.24	24.52									
5	25GQAM	12	25	21.70	23.72	23.48	24.24	24.52									
5	25GQAM	12	7	23.83	24.73	24.46	25.00	24.96									
5	25GQAM	12	13	23.86	24.72	24.45	25.00	24.96	22	3.1							
5	25GQAM	12	19	21.77	23.68	23.44	24.00	24.28									
5	25GQAM	12	25	21.77	23.68	23.44	24.00	24.28									
5	25GQAM	12	7	23.83	24.73	24.46	25.00	24.96									

Part 27Q_Band 42_Ant 7										
RF Modulation	RF Rate	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High	Turn-up (dB)	MFR (dB)			
Channel	Frequency (MHz)		42190	42360	42360					
5 QPSK	1	0	18.15	18.15	18.15					
5 QPSK	1	49	18.02	18.02	18.02	19.5	0			
5 QPSK	1	99	18.09	18.02	17.93					
5 QPSK	5	0	17.97	18.05	17.96					
5 QPSK	50	24	17.25	18.15	17.91	19.5	0			
5 QPSK	50	50	17.95	18.04	17.98					
5 QPSK	100	0	17.91	18.05	17.96					
5 QPSK	100	0	18.02	18.15	18.03					
5 QPSK	1	49	17.98	18.05	17.91	19.5	0			
5 QPSK	1	99	18.15	18.05	17.96					
5 QPSK	50	24	18.05	18.02	17.96	19.5	0			
5 QPSK	50	50	17.97	18.13	18.03					
5 QPSK	100	0	18.05	18.12	18.06					
5 QPSK	100	0	18.09	18.04	17.95					
5 QPSK	1	49	18.07	18.02	17.99	19.5	0			
5 QPSK	1	99	17.99	18.06	17.99					
5 QPSK	50	24	18.05	18.04	18.00					
5 QPSK	50	50	17.97	18.04	17.98	19.5	0			
5 QPSK	100	0	18.07	18.13	17.96					
5 QPSK	1	0	17.93	17.98	17.91	19	0.5			
5 QPSK	1	49	17.98	17.99	17.98					
5 QPSK	1	99	17.25	17.25	17.15					
5 QPSK	50	24	17.25	17.25	17.15					
5 QPSK	50	50	17.25	17.25	17.15	19	0.5			
5 QPSK	100	0	17.25	17.25	17.15					
5 QPSK	50	24	17.41	17.39	17.31	19	0.5			
5 QPSK	50	50	17.42	17.39	17.31					
5 QPSK	100	0	17.42	17.39	17.31					
Channel	Frequency (MHz)		42190	42360	42360	Turn-up (dB)	MFR (dB)			
5 QPSK	1	0	18.02	18.02	18.01					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.07	17.99	17.97					
5 QPSK	1	49	17.99	18.05	17.94					
5 QPSK	36	20	17.98	17.95	17.96	19.5	0			
5 QPSK	36	20	17.98	17.95	17.96					
5 QPSK	36	20	17.98	17.95	17.96					
5 QPSK	75	0	17.94	18.13	17.81					
5 QPSK	1	0	17.95	18.15	17.96					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					
5 QPSK	36	20	17.93	18.02	17.97	19.5	0			
5 QPSK	36	20	17.93	18.02	17.97					
5 QPSK	75	0	17.94	18.05	17.86					
5 QPSK	1	0	17.95	18.08	17.91					
5 QPSK	1	37	17.98	18.02	17.96	19.5	0			
5 QPSK	1	74	18.02	18.03	17.99					

Reduced Power Mode for ECI 7

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.64	31.78	31.65	33.50	22.64	22.78	22.65	24.50
GPRS 1 Tx slot	31.65	31.75	31.71	33.50	22.65	22.75	22.71	24.50
GPRS 2 Tx slots	29.23	29.35	29.32	31.00	23.23	23.35	23.32	25.00
GPRS 3 Tx slots	27.46	27.51	27.47	29.00	23.20	23.25	23.21	24.74
GPRS 4 Tx slots	26.14	26.15	26.01	28.00	23.14	23.15	23.01	25.00
EDGE 1 Tx slot	26.52	26.53	26.41	27.50	17.52	17.53	17.41	18.50
EDGE 2 Tx slots	25.27	25.40	25.22	26.00	19.27	19.40	19.22	20.00
EDGE 3 Tx slots	22.77	22.88	22.82	24.00	18.51	18.62	18.56	19.74
EDGE 4 Tx slots	21.25	21.31	21.13	22.50	18.25	18.31	18.13	19.50

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.24	28.36	28.37	29.50	19.24	19.36	19.37	20.50
GPRS 1 Tx slot	28.20	28.33	28.35	29.50	19.20	19.33	19.35	20.50
GPRS 2 Tx slots	25.47	25.57	25.43	26.50	19.47	19.57	19.43	20.50
GPRS 3 Tx slots	23.69	23.81	23.57	24.50	19.43	19.55	19.31	20.24
GPRS 4 Tx slots	22.60	22.66	22.53	23.50	19.60	19.66	19.53	20.50
EDGE 1 Tx slot	25.95	25.99	25.88	26.50	16.95	16.99	16.88	17.50
EDGE 2 Tx slots	24.88	24.92	24.81	25.50	18.88	18.92	18.81	19.50
EDGE 3 Tx slots	22.66	22.82	22.69	23.50	18.40	18.56	18.43	19.24
EDGE 4 Tx slots	21.41	21.55	21.50	22.50	18.41	18.55	18.50	19.50

Band		WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	19.12	19.15	19.14	20.50	19.03	19.09	18.90	20.50	22.45	22.50	22.42	24.00
3GPP Rel 99	RMC 12.2Kbps	19.14	19.18	19.15	20.50	19.09	19.12	19.05	20.50	22.47	22.53	22.45	24.00
3GPP Rel 6	HSDPA Subtest-1	19.00	19.03	19.14	20.50	19.02	19.00	18.88	20.50	21.58	21.53	21.50	23.00
3GPP Rel 6	HSDPA Subtest-2	19.06	19.13	19.07	20.50	19.02	19.06	18.94	20.50	21.55	21.53	21.48	23.00
3GPP Rel 6	HSDPA Subtest-3	19.07	19.05	19.09	20.50	18.96	19.04	18.91	20.50	21.07	21.09	21.02	22.50
3GPP Rel 6	HSDPA Subtest-4	19.00	19.07	19.05	20.50	19.04	18.97	18.86	20.50	21.02	20.99	21.03	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.11	19.17	19.13	20.50	19.07	19.03	18.80	20.50	21.46	21.48	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.13	19.11	19.05	20.50	18.97	19.05	18.92	20.50	21.54	21.34	21.47	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.08	19.05	19.11	20.50	18.95	19.11	18.84	20.50	20.87	20.98	20.99	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.08	19.03	19.04	20.50	19.08	19.11	18.94	20.50	20.82	20.98	21.00	22.50
3GPP Rel 6	HSUPA Subtest-1	19.05	19.13	19.14	20.50	18.99	19.09	18.86	20.50	19.35	19.54	19.42	21.00
3GPP Rel 6	HSUPA Subtest-2	19.08	19.03	19.01	20.50	19.08	18.97	18.81	20.50	19.39	19.39	19.42	20.50
3GPP Rel 6	HSUPA Subtest-3	18.99	19.06	19.09	20.50	18.98	19.05	18.90	20.50	20.57	20.50	20.42	21.50
3GPP Rel 6	HSUPA Subtest-4	18.99	19.14	19.10	20.50	18.94	19.05	18.90	20.50	19.03	19.04	19.08	20.50
3GPP Rel 6	HSUPA Subtest-5	19.03	19.11	19.09	20.50	18.99	19.10	18.84	20.50	20.61	20.53	20.68	22.50

Band 2_Ant 2									
BN (MHz)	Modulation	RF BS Offset	Power Low (W)	Power Med (W)	Power High (W)	Tune-up (dBm)	MPR (dB)		
Channel			18700	18800	18900				
Frequency (MHz)			18700	18800	18900				
20	QPSK	1	0	18.50	18.50	18.51	20	0	
20	QPSK	1	4	18.50	18.52	18.53	20	0	
20	QPSK	1	9	18.50	18.52	18.53	20	0	
20	QPSK	1	14	18.50	18.52	18.53	20	0	
20	QPSK	1	19	18.50	18.52	18.53	20	0	
20	QPSK	1	24	18.50	18.52	18.53	20	0	
20	QPSK	1	29	18.50	18.52	18.53	20	0	
20	QPSK	1	34	18.50	18.52	18.53	20	0	
20	QPSK	1	39	18.50	18.52	18.53	20	0	
20	QPSK	1	44	18.50	18.52	18.53	20	0	
20	QPSK	1	49	18.50	18.52	18.53	20	0	
20	QPSK	1	54	18.50	18.52	18.53	20	0	
20	QPSK	1	59	18.50	18.52	18.53	20	0	
20	QPSK	1	64	18.50	18.52	18.53	20	0	
20	QPSK	1	69	18.50	18.52	18.53	20	0	
20	QPSK	1	74	18.50	18.52	18.53	20	0	
20	QPSK	1	79	18.50	18.52	18.53	20	0	
20	QPSK	1	84	18.50	18.52	18.53	20	0	
20	QPSK	1	89	18.50	18.52	18.53	20	0	
20	QPSK	1	94	18.50	18.52	18.53	20	0	
20	QPSK	1	99	18.50	18.52	18.53	20	0	
20	QPSK	1	104	18.50	18.52	18.53	20	0	
20	QPSK	1	109	18.50	18.52	18.53	20	0	
20	QPSK	1	114	18.50	18.52	18.53	20	0	
20	QPSK	1	119	18.50	18.52	18.53	20	0	
20	QPSK	1	124	18.50	18.52	18.53	20	0	
20	QPSK	1	129	18.50	18.52	18.53	20	0	
20	QPSK	1	134	18.50	18.52	18.53	20	0	
20	QPSK	1	139	18.50	18.52	18.53	20	0	
20	QPSK	1	144	18.50	18.52	18.53	20	0	
20	QPSK	1	149	18.50	18.52	18.53	20	0	
20	QPSK	1	154	18.50	18.52	18.53	20	0	
20	QPSK	1	159	18.50	18.52	18.53	20	0	
20	QPSK	1	164	18.50	18.52	18.53	20	0	
20	QPSK	1	169	18.50	18.52	18.53	20	0	
20	QPSK	1	174	18.50	18.52	18.53	20	0	
20	QPSK	1	179	18.50	18.52	18.53	20	0	
20	QPSK	1	184	18.50	18.52	18.53	20	0	
20	QPSK	1	189	18.50	18.52	18.53	20	0	
20	QPSK	1	194	18.50	18.52	18.53	20	0	
20	QPSK	1	199	18.50	18.52	18.53	20	0	
20	QPSK	1	204	18.50	18.52	18.53	20	0	
20	QPSK	1	209	18.50	18.52	18.53	20	0	
20	QPSK	1	214	18.50	18.52	18.53	20	0	
20	QPSK	1	219	18.50	18.52	18.53	20	0	
20	QPSK	1	224	18.50	18.52	18.53	20	0	
20	QPSK	1	229	18.50	18.52	18.53	20	0	
20	QPSK	1	234	18.50	18.52	18.53	20	0	
20	QPSK	1	239	18.50	18.52	18.53	20	0	
20	QPSK	1	244	18.50	18.52	18.53	20	0	
20	QPSK	1	249	18.50	18.52	18.53	20	0	
20	QPSK	1	254	18.50	18.52	18.53	20	0	
20	QPSK	1	259	18.50	18.52	18.53	20	0	
20	QPSK	1	264	18.50	18.52	18.53	20	0	
20	QPSK	1	269	18.50	18.52	18.53	20	0	
20	QPSK	1	274	18.50	18.52	18.53	20	0	
20	QPSK	1	279	18.50	18.52	18.53	20	0	
20	QPSK	1	284	18.50	18.52	18.53	20	0	
20	QPSK	1	289	18.50	18.52	18.53	20	0	
20	QPSK	1	294	18.50	18.52	18.53	20	0	
20	QPSK	1	299	18.50	18.52	18.53	20	0	
20	QPSK	1	304	18.50	18.52	18.53	20	0	
20	QPSK	1	309	18.50	18.52	18.53	20	0	
20	QPSK	1	314	18.50	18.52	18.53	20	0	
20	QPSK	1	319	18.50	18.52	18.53	20	0	
20	QPSK	1	324	18.50	18.52	18.53	20	0	
20	QPSK	1	329	18.50	18.52	18.53	20	0	
20	QPSK	1	334	18.50	18.52	18.53	20	0	
20	QPSK	1	339	18.50	18.52	18.53	20	0	
20	QPSK	1	344	18.50	18.52	18.53	20	0	
20	QPSK	1	349	18.50	18.52	18.53	20	0	
20	QPSK	1	354	18.50	18.52	18.53	20	0	
20	QPSK	1	359	18.50	18.52	18.53	20	0	
20	QPSK	1	364	18.50	18.52	18.53	20	0	
20	QPSK	1	369	18.50	18.52	18.53	20	0	
20	QPSK	1	374	18.50	18.52	18.53	20	0	
20	QPSK	1	379	18.50	18.52	18.53	20	0	
20	QPSK	1	384	18.50	18.52	18.53	20	0	
20	QPSK	1	389	18.50	18.52	18.53	20	0	
20	QPSK	1	394	18.50	18.52	18.53	20	0	
20	QPSK	1	399	18.50	18.52	18.53	20	0	
20	QPSK	1	404	18.50	18.52	18.53	20	0	
20	QPSK	1	409	18.50	18.52	18.53	20	0	
20	QPSK	1	414	18.50	18.52	18.53	20	0	
20	QPSK	1	419	18.50	18.52	18.53	20	0	
20	QPSK	1	424	18.50	18.52	18.53	20	0	
20	QPSK	1	429	18.50	18.52	18.53	20	0	
20	QPSK	1	434	18.50	18.52	18.53	20	0	
20	QPSK	1	439	18.50	18.52	18.53	20	0	
20	QPSK	1	444	18.50	18.52	18.53	20	0	
20	QPSK	1	449	18.50	18.52	18.53	20	0	
20	QPSK	1	454	18.50	18.52	18.53	20	0	
20	QPSK	1	459	18.50	18.52	18.53	20	0	
20	QPSK	1	464	18.50	18.52	18.53	20	0	
20	QPSK	1	469	18.50	18.52	18.53	20	0	
20	QPSK	1	474	18.50	18.52	18.53	20	0	
20	QPSK	1	479	18.50	18.52	18.53	20	0	
20	QPSK	1	484	18.50	18.52	18.53	20	0	
20	QPSK	1	489	18.50	18.52	18.53	20	0	
20	QPSK	1	494	18.50	18.52	18.53	20	0	
20	QPSK	1	499	18.50	18.52	18.53	20	0	
20	QPSK	1	504	18.50	18.52	18.53	20	0	
20	QPSK	1	509	18.50	18.52	18.53	20	0	
20	QPSK	1	514	18.50	18.52	18.53	20	0	
20	QPSK	1	519	18.50	18.52	18.53	20	0	
20	QPSK	1	524	18.50	18.52	18.53	20	0	
20	QPSK	1	529	18.50	18.52	18.53	20	0	
20	QPSK	1	534	18.50	18.52	18.53	20	0	
20	QPSK	1	539	18.50	18.52	18.53	20	0	
20	QPSK	1	544	18.50	18.52	18.53	20	0	
20	QPSK	1	549	18.50	18.52	18.53	20	0	
20	QPSK	1	554	18.50	18.52	18.53	20	0	
20	QPSK	1	559	18.50	18.52	18.53	20	0	
20	QPSK	1	564	18.50	18.52	18.53	20	0	
20	QPSK	1	569	18.50	18.52	18.53	20	0	
20	QPSK	1	574	18.50	18.52	18.53	20	0	
20	QPSK	1	579	18.50	18.52	18.53	20	0	
20	QPSK	1	584	18.50	18.52	18.53	20	0	
20	QPSK	1	589	18.50	18.52	18.53	20	0	
20	QPSK	1	594	18.50	18.52	18.53	20	0	
20	QPSK	1	599	18.50	18.52	18.53	20	0	
20	QPSK	1	604	18.50	18.52	18.53	20	0	
20	QPSK	1	609	18.50	18.52	18.53	20	0	
20	QPSK	1	614	18.50	18.52	18.53	20	0	
20	QPSK	1	619	18.50	18.52	18.53	20	0	
20	QPSK	1	624	18.50	18.52	18.53	20	0	
20	QPSK	1	629	18.50	18.52	18.53	20	0	
20	QPSK	1	634	18.50	18.52	18.53	20	0	
20	QPSK	1	639	18.50	18.52	18.53	20	0	
20	QPSK	1	644	18.50	18.52	18.53	20	0	
20	QPSK	1	649	18.50	18.52	18.53	20	0	
20	QPSK	1	654	18.50	18.52	18.53	20	0	
20	QPSK	1	659	18.50	18.52	18.53	20	0	
20	QPSK	1	664	18.50	18.52	18.53	20	0	
20	QPSK	1	669	18.50	18.52	18.53	20	0	
20	QPSK	1	674	18.50	18.52	18.53	20	0	
20	QPSK	1	679	18.50	18.52	18.53	20	0	
20	QPSK	1	684	18.50	18.52	18.53	20	0	
20	QPSK	1	689	18.50	18.52	18.53	20	0	
20	QPSK	1	694	18.50	18.52	18.53	20	0	
20	QPSK	1	699	18.50	18.52	18.53	20	0	
20	QPSK	1	704	18.50	18.52	18.53	20	0	
20	QPSK	1	709	18.50	18.52	18.53	20	0	
20	QPSK	1	714	18.50	18.52	18.53	20	0	
20	QPSK	1	719	18.50	18.52	18.53	20	0	
20	QPSK	1	724	18.50	18.52	18.53	20	0	
20	QPSK	1	729	18.50	18.52	18.53	20	0	
20	QPSK	1	734	18.50	18.52	18.53	20	0	
20	QPSK	1	739	18.50	18.52	18.53	20	0	
20	QPSK	1	744	18.50	18.52	18.53	20	0	
20	QPSK	1	749	18.50	18.52	18.53	20	0	
20	QPSK	1	754	18.50	18.52	18.53	20	0	
20	QPSK								

Band 4_Ant 9									
RF [MHz]	Modulation	RF Slot	RF Offset	Power Low Ch. (Freq. [MHz])	Power Mid Ch. (Freq. [MHz])	Power High Ch. (Freq. [MHz])	Time-up (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.61	15.76	15.76	17	0	
20	QPSK	1	40	15.80	15.75	15.68	17	0	
20	QPSK	1	74	15.69	15.73	15.66	17	0	
20	QPSK	50	0	15.72	15.84	15.82	17	0	
20	QPSK	50	20	15.71	15.81	15.62	17	0	
20	QPSK	50	50	15.78	15.78	15.88	17	0	
20	QPSK	100	0	15.71	15.81	15.61	17	0	
20	16QAM	1	0	15.71	15.86	15.74	17	0	
20	16QAM	1	40	15.77	15.85	15.70	17	0	
20	16QAM	1	80	15.88	15.76	15.83	17	0	
20	16QAM	50	0	15.76	15.76	15.68	17	0	
20	16QAM	50	20	15.76	15.76	15.86	17	0	
20	16QAM	50	50	15.80	15.80	15.88	17	0	
20	16QAM	100	0	15.86	15.77	15.74	17	0	
20	16QAM	1	0	15.77	15.81	15.81	17	0	
20	16QAM	1	40	15.74	15.76	15.84	17	0	
20	16QAM	1	80	15.87	15.74	15.88	17	0	
20	16QAM	50	50	15.80	15.82	15.70	17	0	
20	256QAM	1	40	15.71	15.86	15.75	17	0	
20	256QAM	1	36	15.69	15.84	15.74	17	0	
20	256QAM	50	20	15.76	15.78	15.86	17	0	
20	256QAM	50	50	15.76	15.78	15.86	17	0	
20	256QAM	50	10	15.72	15.87	15.72	17	0	
20	256QAM	100	0	15.73	15.76	15.72	17	0	
							Time-up (min)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	15.77	15.77	15.74	17	0	
15	QPSK	1	37	15.69	15.73	15.66	17	0	
15	QPSK	1	74	15.61	15.76	15.61	17	0	
15	QPSK	36	0	15.72	15.82	15.60	17	0	
15	QPSK	36	75	15.78	15.79	15.58	17	0	
15	QPSK	36	36	15.63	15.68	15.48	17	0	
15	16QAM	1	0	15.68	15.75	15.63	17	0	
15	16QAM	1	37	15.73	15.84	15.67	17	0	
15	16QAM	1	74	15.67	15.71	15.49	17	0	
15	16QAM	36	0	15.74	15.83	15.58	17	0	
15	16QAM	36	20	15.68	15.79	15.61	17	0	
15	16QAM	36	20	15.68	15.79	15.61	17	0	
15	16QAM	75	0	15.63	15.87	15.67	17	0	
15	16QAM	1	0	15.69	15.87	15.60	17	0	
15	16QAM	1	37	15.69	15.75	15.55	17	0	
15	16QAM	1	74	15.68	15.80	15.57	17	0	
15	16QAM	36	0	15.74	15.86	15.57	17	0	
15	16QAM	36	0	15.74	15.86	15.57	17	0	
15	16QAM	75	0	15.63	15.87	15.54	17	0	
15	256QAM	1	37	15.69	15.76	15.55	17	0	
15	256QAM	1	74	15.60	15.72	15.74	17	0	
15	256QAM	1	75	15.74	15.79	15.65	17	0	
15	256QAM	36	20	15.74	15.79	15.65	17	0	
15	256QAM	36	20	15.74	15.86	15.57	17	0	
15	256QAM	75	0	15.60	15.86	15.52	17	0	
							Time-up (min)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.76	15.86	15.87	17	0	
10	QPSK	1	20	15.85	15.83	15.81	17	0	
10	QPSK	1	40	15.82	15.82	15.83	17	0	
10	QPSK	25	0	15.72	15.73	15.80	17	0	
10	QPSK	25	10	15.88	15.72	15.59	17	0	
10	QPSK	25	10	15.84	15.84	15.83	17	0	
10	16QAM	1	0	15.69	15.86	15.69	17	0	
10	16QAM	1	20	15.79	15.70	15.87	17	0	
10	16QAM	1	40	15.84	15.89	15.82	17	0	
10	16QAM	25	0	15.73	15.84	15.82	17	0	
10	16QAM	25	10	15.83	15.89	15.83	17	0	
10	16QAM	50	0	15.80	15.89	15.82	17	0	
10	16QAM	1	0	15.68	15.79	15.87	17	0	
10	16QAM	1	20	15.74	15.86	15.87	17	0	
10	16QAM	1	40	15.89	15.68	15.81	17	0	
10	16QAM	25	0	15.76	15.89	15.83	17	0	
10	16QAM	25	10	15.87	15.71	15.81	17	0	
10	16QAM	50	0	15.85	15.89	15.87	17	0	
10	256QAM	1	0	15.77	15.89	15.89	17	0	
10	256QAM	1	20	15.69	15.80	15.89	17	0	
10	256QAM	1	40	15.83	15.77	15.80	17	0	
10	256QAM	25	0	15.73	15.80	15.82	17	0	
10	256QAM	25	10	15.73	15.80	15.82	17	0	
10	256QAM	50	0	15.82	15.81	15.89	17	0	
10	256QAM	50	0	15.70	15.86	15.86	17	0	
							Time-up (min)	MFR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.72	15.84	15.70	17	0	
5	QPSK	1	10	15.74	15.83	15.80	17	0	
5	QPSK	1	20	15.76	15.83	15.83	17	0	
5	QPSK	12	0	15.70	15.89	15.88	17	0	
5	QPSK	12	0	15.87	15.84	15.84	17	0	
5	QPSK	12	10	15.87	15.75	15.87	17	0	
5	QPSK	25	0	15.83	15.88	15.59	17	0	
5	16QAM	1	0	15.63	15.74	15.72	17	0	
5	16QAM	1	10	15.72	15.80	15.55	17	0	
5	16QAM	1	20	15.86	15.79	15.86	17	0	
5	16QAM	12	0	15.71	15.85	15.80	17	0	
5	16QAM	12	10	15.86	15.75	15.80	17	0	
5	16QAM	25	0	15.82	15.83	15.87	17	0	
5									
5	256QAM	1	0	15.77	15.89	15.89	17	0	
5	256QAM	1	10	15.69	15.80	15.89	17	0	
5	256QAM	1	12	15.84	15.74	15.74	17	0	
5	256QAM	1	12	15.84	15.74	15.74	17	0	
5	256QAM	12	0	15.73	15.82	15.82	17	0	
5	256QAM	12	10	15.81	15.75	15.81	17	0	
5	256QAM	12	10	15.81	15.83	15.83	17	0	
5	256QAM	25	0	15.66	15.73	15.83	17	0	
5	256QAM	25	0	15.66	15.73	15.83	17	0	
							Time-up (min)	MFR (dB)	
Channel									
Frequency (MHz)									
3	QPSK	1	0	15.87	15.78	15.71	17	0	
3	QPSK	1	8	15.73	15.74	15.73	17	0	
3	QPSK	1	16	15.72	15.80	15.73	17	0	
3	QPSK	8	0	15.73	15.74	15.62	17	0	
3	QPSK	8	8	15.85	15.72	15.55	17	0	
3	QPSK	15	0	15.88	15.68	15.64	17	0	
3	16QAM	1	0	15.72	15.73	15.73	17	0	
3	16QAM	1	8	15.72	15.73	15.60	17	0	
3	16QAM	1	16	15.60	15.70	15.48	17	0	
3	16QAM	8	0	15.80	15.71	15.63	17	0	
3	16QAM	8	8	15.85	15.65	15.60	17	0	
3	16QAM	15	0	15.58	15.68	15.57	17	0	
3	16QAM	1	0	15.74	15.79	15.48	17	0	
3	16QAM	1	8	15.80	15.75	15.48	17	0	
3	16QAM	1	16	15.62	15.59	15.63	17	0	
3	16QAM	8	0	15.88	15.71	15.67	17	0	
3	16QAM	8	8	15.93	15.75	15.64	17	0	
3	16QAM	15	0	15.84	15.61	15.58	17	0	
3	256QAM	1	0	15.72	15.73	15.73	17	0	
3	256QAM	1	8	15.69	15.71	15.58	17	0	
3	256QAM	1	16	15.58	15.77	15.73	17	0	
3	256QAM	8	0	15.84	15.67	15.63	17	0	
3	256QAM	8	8	15.74	15.61	15.59	17	0	
3	256QAM	15	0	15.73	15.61	15.57	17	0	
3	256QAM	15	0	15.72	15.75	15.71	17	0	
							Time-up (min)	MFR (dB)	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.70	15.84	15.70	17	0	
1.4	QPSK	1	8	15.73	15.73	15.73	17	0	
1.4	QPSK	1	16	15.68	15.68	15.60	17	0	
1.4	QPSK	8	0	15.75	15.83	15.84	17	0	
1.4	QPSK	8	8	15.72	15.84	15.84	17	0	
1.4	QPSK	3	0	15.83	15.75	15.51	17	0	
1.4	16QAM	1	0	15.72	15.86	15.72	17	0	
1.4	16QAM	1	8	15.87	15.73	15.64	17	0	
1.4	16QAM	1	16	15.75	15.78	15.60	17	0	
1.4	16QAM	8	0	15.77	15.83	15.63	17	0	
1.4	16QAM	3	0	15.81	15.67	15.50	17	0	
1.4	16QAM	3	8	15.69	15.71	15.63	17	0	
1.4	16QAM	3	16	15.59	15.69	15.58	17	0	
1.4	16QAM	8	0	15.81	15.76	15.60	17	0	
1.4	16QAM	8	8	15.82	15.64	15.56	17	0	
1.4	16QAM	15	0	15.71	15.86	15.59	17	0	
1.4	16QAM	3	0	15.86	15.72	15.50	17	0	
1.4	256QAM	1	0	15.69	15.71	15.57	17	0	
1.4	256QAM	1	8	15.72	15.78	15.60	17	0	
1.4	256QAM	1	16	15.67	15.77	15.58	17	0	
1.4	256QAM	8	0	15.68	15.81	15.73	17	0	
1.4	256QAM	3	0	15.68	15.84	15.81	17	0	
1.4	256QAM	3	8	15.73	15.78	15.59	17	0	
1.4	256QAM	3	16	15.67	15.79	15.63	17	0	

Band 7_Ant 2											
RF [MHz]	Modulation	RF Slot	RF Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)				20800	21000	21050					
20	QPSK	1	0	18.15	18.30	18.15	19.5	0			
20	QPSK	1	40	18.13	18.28	18.08					
20	QPSK	1	80	18.21	18.30	18.00					
20	QPSK	50	0	18.10	18.22	18.11					
20	QPSK	50	24	18.08	18.20	18.00					
20	QPSK	100	0	18.09	18.28	18.03	19.5	0			
20	HQAM	1	0	18.10	18.20	18.05					
20	HQAM	1	40	18.18	18.20	18.17					
20	HQAM	1	80	18.18	18.25	18.00					
20	HQAM	50	0	18.00	18.20	18.00					
20	HQAM	50	24	18.00	18.20	18.00	19.5	0			
20	HQAM	100	0	18.12	18.21	18.07					
20	HQAM	1	0	18.21	18.21	18.15					
20	HQAM	1	40	18.22	18.25	18.18					
20	HQAM	1	80	18.16	18.20	18.00					
20	HQAM	50	0	18.04	18.20	18.10	19.5	0			
20	HQAM	50	24	18.19	18.30	18.00					
20	HQAM	100	0	18.12	18.18	18.17					
20	256QAM	1	0	17.39	17.29	17.38					
20	256QAM	1	40	17.34	17.41	17.38					
20	256QAM	1	80	17.30	17.45	17.32	19	0.5			
20	256QAM	50	0	17.30	17.38	17.30					
20	256QAM	50	24	17.22	17.47	17.41					
20	256QAM	100	0	17.37	17.32	17.38					
20	256QAM	100	0	17.24	17.34	17.28					
Channel											
Frequency (MHz)				20800	21000	21075					
15	QPSK	1	0	18.13	18.30	18.13	19.5	0			
15	QPSK	1	37	18.06	18.18	17.96					
15	QPSK	1	74	18.10	18.25	18.05					
15	QPSK	36	0	18.06	18.18	18.03					
15	QPSK	36	20	18.06	18.10	17.98					
15	QPSK	75	0	17.99	18.25	17.88	19.5	0			
15	HQAM	1	0	18.06	18.18	17.91					
15	HQAM	1	37	18.11	18.27	18.11					
15	HQAM	1	74	18.07	18.09	17.97					
15	HQAM	36	0	18.11	18.10	17.89					
15	HQAM	36	18	18.01	18.18	18.11	19.5	0			
15	HQAM	36	38	18.20	18.26	18.01					
15	HQAM	75	0	18.08	18.10	17.87					
15	HQAM	1	0	18.11	18.18	18.00					
15	HQAM	1	37	18.13	18.22	18.00					
15	HQAM	1	74	18.14	18.14	18.04	19.5	0			
15	HQAM	36	0	18.23	18.16	18.08					
15	HQAM	36	38	18.20	18.26	18.05					
15	HQAM	75	0	18.07	18.09	18.04					
15	HQAM	75	0	18.07	18.08	18.00					
15	256QAM	1	0	17.92	17.98	17.92	19	0.5			
15	256QAM	1	37	17.87	17.88	17.80					
15	256QAM	1	74	17.88	17.40	17.39					
15	256QAM	36	0	17.38	17.37	17.38					
15	256QAM	36	20	17.30	17.37	17.26					
15	256QAM	75	0	17.21	17.29	17.20	19	0.5			
15	256QAM	75	0	17.21	17.29	17.20					
Channel											
Frequency (MHz)				20800	21000	21040					
10	QPSK	1	0	18.21	18.19	18.00	19.5	0			
10	QPSK	1	20	18.01	18.19	17.85					
10	QPSK	1	40	18.07	18.17	17.85					
10	QPSK	25	0	18.18	18.22	17.98					
10	QPSK	25	12	18.02	18.16	17.89					
10	QPSK	24	0	17.94	18.17	17.91	19.5	0			
10	QPSK	50	0	18.08	18.20	18.01					
10	QPSK	50	10	18.08	18.10	17.90					
10	HQAM	1	0	18.08	18.20	18.08					
10	HQAM	1	40	18.11	18.10	17.89					
10	HQAM	24	0	18.03	18.19	17.97	19.5	0			
10	HQAM	24	12	18.04	18.14	18.07					
10	HQAM	25	0	18.08	18.26	17.89					
10	HQAM	50	0	18.12	18.14	18.04					
10	HQAM	1	0	18.14	18.10	18.10					
10	HQAM	1	20	18.08	18.20	17.86	19.5	0			
10	HQAM	1	40	18.17	18.15	17.95					
10	HQAM	25	0	18.11	18.19	18.05					
10	HQAM	25	12	18.08	18.17	18.04					
10	HQAM	50	0	18.09	18.21	18.02					
10	256QAM	1	0	17.87	18.00	18.14	19	0.5			
10	256QAM	1	40	17.28	17.32	17.27					
10	256QAM	1	20	17.29	17.41	17.34					
10	256QAM	25	0	17.29	17.38	17.32					
10	256QAM	25	12	17.32	17.40	17.30					
10	256QAM	50	0	17.21	17.39	17.30	19	0.5			
10	256QAM	50	0	17.21	17.39	17.30					
Channel											
Frequency (MHz)				20875	21000	21025					
5	QPSK	1	0	18.11	18.23	18.05	19.5	0			
5	QPSK	1	12	18.04	18.15	17.80					
5	QPSK	24	0	18.09	18.21	17.86					
5	QPSK	12	0	18.09	18.30	18.01					
5	QPSK	12	18	18.05	18.20	17.86					
5	QPSK	25	0	17.97	18.26	18.00	19.5	0			
5	HQAM	1	0	17.99	18.00	17.90					
5	HQAM	1	12	18.02	18.14	18.09					
5	HQAM	1	24	18.12	18.06	18.00					
5	HQAM	12	0	18.08	18.17	17.96					
5	HQAM	12	7	18.10	18.16	18.00	19.5	0			
5	HQAM	12	18	18.06	18.20	18.00					
5	HQAM	25	0	18.08	18.12	18.03					
5	HQAM	1	0	18.10	18.10	18.00					
5	HQAM	1	12	18.10	18.13	18.06					
5	HQAM	1	24	18.08	18.27	18.08	19.5	0			
5	HQAM	1	36	18.12	18.06	18.00					
5	HQAM	12	7	18.09	18.20	18.06					
5	HQAM	12	18	18.10	18.19	17.86					
5	HQAM	25	0	17.98	18.03	18.00					
5	256QAM	1	0	17.39	17.44	17.30	19	0.5			
5	256QAM	1	12	17.36	17.39	17.30					
5	256QAM	24	0	17.30	17.39	17.42					
5	256QAM	12	0	17.28	17.34	17.35					
5	256QAM	12	18	17.32	17.36	17.30					
5	256QAM	25	0	17.30	17.37	17.31	19	0.5			

Band 12_Ant 1										
RF [MHz]	Modulation	RB Size	RF Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.70	19.74	19.78		21.5	0	
10	QPSK	1	25	19.70	19.80	19.78				
10	QPSK	25	0	19.71	19.80	19.75				
10	QPSK	25	12	19.63	19.74	19.71		21.5	0	
10	QPSK	50	0	19.72	19.81	19.73				
10	16QAM	1	0	19.72	19.80	19.80				
10	16QAM	1	25	19.79	19.80	19.78		21.5	0	
10	16QAM	1	40	19.80	19.81	19.80				
10	16QAM	25	0	19.80	19.80	19.80				
10	16QAM	25	12	19.80	19.80	19.78		21.5	0	
10	16QAM	50	0	19.80	19.81	19.79				
10	64QAM	1	0	19.87	19.85	19.75				
10	64QAM	1	25	19.78	19.81	19.84		21.5	0	
10	64QAM	1	40	19.77	19.80	19.84				
10	64QAM	25	0	19.80	19.80	19.80				
10	64QAM	25	12	19.80	19.80	19.84		21	0.5	
10	64QAM	25	25	19.81	19.81	19.81				
10	256QAM	1	0	17.12	17.15	17.20		19	2.5	
10	256QAM	1	25	17.20	17.21	17.21				
10	256QAM	1	40	17.24	17.19	17.13				
10	256QAM	25	0	17.20	17.20	17.20				
10	256QAM	25	12	17.11	17.19	17.12		19	2.5	
10	256QAM	25	25	17.21	17.20	17.10				
10	256QAM	50	0	17.16	17.19	17.21				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.70	19.74	19.78		21.5	0	
5	QPSK	1	12	19.67	19.73	19.68				
5	QPSK	1	24	19.67	19.71	19.73				
5	QPSK	12	0	19.60	19.74	19.64		21.5	0	
5	QPSK	12	7	19.60	19.70	19.60				
5	QPSK	12	13	19.60	19.70	19.60				
5	QPSK	25	0	19.60	19.70	19.60				
5	16QAM	1	0	19.71	19.76	19.71		21.5	0	
5	16QAM	1	12	19.67	19.70	19.71				
5	16QAM	1	24	19.60	19.69	19.79				
5	16QAM	12	0	19.60	19.70	19.60		21.5	0	
5	16QAM	12	7	19.60	19.64	19.70				
5	16QAM	12	13	19.60	19.71	19.70				
5	16QAM	25	0	19.60	19.69	19.64				
5	64QAM	1	0	19.65	19.67	19.61		21.5	0	
5	64QAM	1	12	19.64	19.60	19.60				
5	64QAM	1	24	19.64	19.60	19.71				
5	64QAM	12	0	19.61	19.67	19.70				
5	64QAM	12	7	19.64	19.64	19.64				
5	64QAM	12	13	19.25	19.27	19.25		21	0.5	
5	64QAM	25	0	19.61	19.67	19.67				
5	256QAM	1	0	17.11	17.20	17.20		19	2.5	
5	256QAM	1	24	17.08	17.20	17.20				
5	256QAM	12	0	17.24	17.19	17.21				
5	256QAM	12	7	17.20	17.19	17.21		19	2.5	
5	256QAM	12	13	17.10	17.19	17.12				
5	256QAM	25	0	17.12	17.19	17.12				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.70	19.80	19.74		21.5	0	
3	QPSK	1	8	19.68	19.78	19.64				
3	QPSK	1	14	19.66	19.71	19.71				
3	QPSK	8	0	19.71	19.78	19.66				
3	QPSK	8	4	19.61	19.70	19.60		21.5	0	
3	QPSK	8	7	19.67	19.72	19.60				
3	QPSK	16	0	19.60	19.71	19.60				
3	16QAM	1	0	19.60	19.61	19.60				
3	16QAM	1	8	19.71	19.70	19.72		21.5	0	
3	16QAM	1	14	19.60	19.60	19.72				
3	16QAM	8	0	19.61	19.74	19.70				
3	16QAM	8	4	19.60	19.69	19.66		21.5	0	
3	16QAM	8	7	19.67	19.70	19.70				
3	16QAM	16	0	19.60	19.60	19.77				
3	64QAM	1	0	19.64	19.71	19.74		21.5	0	
3	64QAM	1	8	19.60	19.77	19.74				
3	64QAM	1	14	19.74	19.69	19.63				
3	64QAM	8	0	19.22	19.25	19.28				
3	64QAM	8	4	19.27	19.40	19.26		21	0.5	
3	64QAM	8	7	19.20	19.34	19.29				
3	64QAM	16	0	19.64	19.67	19.67				
3	256QAM	1	0	17.21	17.20	17.20				
3	256QAM	1	8	17.13	17.20	17.23		19	2.5	
3	256QAM	1	14	17.11	17.14	17.10				
3	256QAM	8	0	17.20	17.19	17.10				
3	256QAM	8	4	17.21	17.20	17.20		19	2.5	
3	256QAM	8	7	17.10	17.20	17.27				
3	256QAM	16	0	17.19	17.20	17.27				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.71	19.87	19.80		21.5	0	
1.4	QPSK	1	0	19.68	19.84	19.80				
1.4	QPSK	1	0	19.70	19.70	19.70				
1.4	QPSK	3	0	19.72	19.81	19.76				
1.4	QPSK	3	3	19.70	19.60	19.66				
1.4	QPSK	6	0	19.60	19.71	19.61		21.5	0	
1.4	16QAM	1	0	19.70	19.70	19.70				
1.4	16QAM	1	3	19.74	19.69	19.64				
1.4	16QAM	1	6	19.69	19.70	19.67				
1.4	16QAM	3	0	19.61	19.60	19.60		21.5	0	
1.4	16QAM	3	1	19.67	19.70	19.71				
1.4	16QAM	3	3	19.68	19.60	19.74				
1.4	16QAM	6	0	19.60	19.69	19.66		21.5	0	
1.4	64QAM	1	0	19.62	19.70	19.67				
1.4	64QAM	1	0	19.70	19.70	19.70				
1.4	64QAM	1	3	19.60	19.60	19.60		21.5	0	
1.4	64QAM	3	0	19.71	19.60	19.60				
1.4	64QAM	3	1	19.60	19.70	19.66				
1.4	64QAM	3	3	19.68	19.22	19.61				
1.4	64QAM	6	0	19.34	19.30	19.28		21	0.5	
1.4	256QAM	1	0	17.10	17.31	17.19				
1.4	256QAM	1	3	17.20	17.24	17.24				
1.4	256QAM	1	5	17.05	17.17	17.20		19	2.5	
1.4	256QAM	3	0	17.19	17.27	17.24				
1.4	256QAM	3	1	17.10	17.12	17.20				
1.4	256QAM	3	3	17.19	17.14	17.24				
1.4	256QAM	6	0	17.17	17.20	17.21		19	2.5	

Band 13_Ant 0										
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turnup [sec]	MPR [dB]		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.44	22.36	22.37		24	0	
10	QPSK	1	40	22.36	22.35	22.35				
10	QPSK	25	12	22.35	22.35	22.35		23	1	
10	QPSK	25	25	21.25	21.25	21.25				
10	QPSK	50	0	21.33	21.33	21.33				
10	16QAM	1	0	21.00	21.00	21.00		23	1	
10	16QAM	1	25	21.06	21.06	21.06				
10	16QAM	1	40	21.24	21.24	21.24				
10	16QAM	25	0	20.22	20.22	20.22				
10	16QAM	25	12	20.25	20.25	20.25		22	2	
10	16QAM	25	25	20.25	20.25	20.25				
10	16QAM	50	0	20.18	20.18	20.18				
10	64QAM	1	25	20.18	20.18	20.18		22	2	
10	64QAM	40	0	20.26	20.26	20.26				
10	64QAM	25	0	19.23	19.23	19.23				
10	64QAM	25	12	19.19	19.19	19.19		21	3	
10	64QAM	25	25	19.26	19.26	19.26				
10	64QAM	50	0	19.19	19.19	19.19				
10	256QAM	1	0	17.12	17.12	17.12		19	5	
10	256QAM	1	25	17.19	17.19	17.19				
10	256QAM	1	40	17.14	17.14	17.14				
10	256QAM	25	0	17.22	17.22	17.22				
10	256QAM	25	12	17.17	17.17	17.17		19	5	
10	256QAM	25	25	17.10	17.10	17.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.08	22.08	22.08		24	0	
5	QPSK	1	12	22.34	22.32	22.31				
5	QPSK	1	24	22.31	22.32	22.32				
5	QPSK	1	36	22.34	21.18	21.18		21	3	
5	QPSK	12	7	21.11	21.23	21.23				
5	QPSK	18	13	21.16	21.16	21.16				
5	QPSK	26	0	21.13	21.28	21.28		19	5	
5	16QAM	1	6	21.02	21.10	21.08				
5	16QAM	12	21	21.05	21.00	21.00		23	1	
5	16QAM	14	24	21.21	21.04	21.01				
5	16QAM	12	6	20.12	20.04	20.06				
5	16QAM	18	7	20.18	20.04	20.08		22	2	
5	16QAM	12	13	20.08	20.10	20.13				
5	16QAM	26	0	20.05	20.09	20.09				
5	64QAM	1	6	20.31	20.15	20.13				
5	64QAM	1	12	20.12	20.01	20.00		22	2	
5	64QAM	14	24	20.21	20.21	20.21				
5	64QAM	14	0	19.04	19.10	19.18				
5	64QAM	12	7	18.18	18.09	18.09		21	3	
5	64QAM	13	10	19.26	19.23	19.19				
5	64QAM	1	0	19.13	19.08	19.07				
5	256QAM	1	12	17.25	17.13	17.12		19	5	
5	256QAM	1	24	17.08	17.30	17.17				
5	256QAM	1	36	17.34	17.15	17.12				
5	256QAM	14	7	17.25	17.20	17.28		19	5	
5	256QAM	13	13	17.10	17.31	17.17				

Band 14_Ant 0										
BN (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)		
Channel 23330										
Frequency (MHz)										
10	QPSK	1	0			22.22			24	0
10	QPSK	1	25			22.18				
10	QPSK	1	49			22.17				
10	QPSK	25	0			21.27			23	
10	QPSK	25	12			21.27				
10	QPSK	25	25			21.85				
10	QPSK	50	0			21.07			23	1
10	16QAM	1	0			21.42				
10	16QAM	1	25			21.10				
10	16QAM	1	49			21.05			22	2
10	16QAM	25	0			20.96				
10	16QAM	25	12			20.96				
10	16QAM	25	25			20.92			22	2
10	16QAM	50	0			20.95				
10	16QAM	1	0			20.95				
10	16QAM	1	25			20.92			21	3
10	16QAM	1	49			19.94				
10	16QAM	25	0			19.97				
10	16QAM	25	12			19.97			19	5
10	16QAM	25	25			19.97				
10	16QAM	50	0			19.92				
10	16QAM	1	0			17.14			19	5
10	16QAM	1	25			17.09				
10	16QAM	1	49			17.02				
10	16QAM	25	0			17.13			19	5
10	16QAM	25	12			17.14				
10	16QAM	25	25			17.17				
10	16QAM	50	0			17.15				
Channel 23385										
Frequency (MHz)										
5	QPSK	1	0	20.14	22.14	22.21			24	0
5	QPSK	1	12	22.19	22.18	22.19				
5	QPSK	1	24	22.17	22.16	22.14				
5	QPSK	12	0	21.12	21.03	21.23			23	1
5	QPSK	12	7	21.09	21.12	21.19				
5	QPSK	12	13	21.27	21.29	21.38				
5	QPSK	25	0	21.00	21.15	21.07			22	2
5	16QAM	1	0	21.06	21.12	21.06				
5	16QAM	1	12	21.04	21.02	21.10				
5	16QAM	1	24	21.22	21.01	21.14			22	2
5	16QAM	12	0	20.14	20.03	20.10				
5	16QAM	12	7	20.15	20.09	20.06				
5	16QAM	12	13	20.08	20.07	20.15			21	3
5	16QAM	25	0	20.09	20.09	20.16				
5	16QAM	1	0	20.20	20.22	20.31				
5	16QAM	1	12	20.14	20.00	20.18			20	5
5	16QAM	1	24	20.10	20.21	20.21				
5	16QAM	12	0	19.03	19.12	19.23				
5	16QAM	12	7	19.02	19.05	19.21			19	5
5	16QAM	12	13	19.25	19.25	19.22				
5	16QAM	25	0	19.15	19.09	19.11				
5	16QAM	1	0	17.23	17.20	17.18			19	5
5	16QAM	1	12	17.16	17.12	17.26				
5	16QAM	1	24	17.11	17.30	17.15				
5	16QAM	12	0	17.25	17.24	17.21			19	5
5	16QAM	12	7	17.24	17.24	17.29				
5	16QAM	12	13	17.22	17.22	17.16				
5	16QAM	25	0	17.10	17.14	17.27				

Band 14_Ant 1										
BN (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPD (dB)	Ch. Offset > 0.5	QPSK
Channel				23350						
10	QPSK	1	0	17.54						19.00
10	QPSK	1	25		17.28		19	0	0.28	19.00
10	QPSK	1	49	17.43						19.00
10	QPSK	25	0	17.43						19.00
10	QPSK	25	12	17.32		17.43	19	0	0.11	19.00
10	QPSK	25	25	17.44						19.00
10	QPSK	50	0	17.35						19.00
10	16QAM	1	0	17.35						19.00
10	16QAM	1	25		17.48	17.54	19	0	0.16	19.00
10	16QAM	1	49	17.51						19.00
10	16QAM	25	0	17.26						19.00
10	16QAM	25	12	17.45		17.55	19	0	0.20	19.00
10	16QAM	25	25	17.46						19.00
10	16QAM	50	0	17.43						19.00
10	16QAM	1	0	17.31						19.00
10	16QAM	1	25	17.48		17.57	19	0	0.21	19.00
10	16QAM	1	49	17.57						19.00
10	16QAM	25	0	17.54						19.00
10	16QAM	25	12	17.50		17.60	19	0	0.18	19.00
10	16QAM	25	25	17.56						19.00
10	16QAM	50	0	17.38						19.00
10	16QAM	1	0	17.31						19.00
10	16QAM	1	25	17.17		17.27	19	0	0.14	19.00
10	16QAM	1	49	17.20						19.00
10	16QAM	25	0	17.16						19.00
10	16QAM	25	12	17.21		17.31	19	0	0.04	19.00
10	16QAM	25	25	17.22						19.00
10	16QAM	50	0	17.20						19.00
Channel				23365			23350	23365		
Frequency (MHz)							Turn-up (dB)	MPD (dB)	Ch. Offset > 0.5	QPSK
5	QPSK	1	0	17.41	17.51	17.48				19.00
5	QPSK	1	12	17.24	17.12	17.25	19	0	0.39	19.00
5	QPSK	1	24	17.41	17.52	17.53				19.00
5	QPSK	12	0	17.29	17.30	17.39				19.00
5	QPSK	12	7	17.27	17.18	17.25	19	0	0.21	19.00
5	QPSK	12	13	17.33	17.37	17.54				19.00
5	QPSK	25	0	17.22	17.22	17.31				19.00
5	16QAM	1	0	17.21	17.28	17.32				19.00
5	16QAM	1	12	17.38	17.40	17.31	19	0	0.28	19.00
5	16QAM	1	24	17.39	17.49	17.39				19.00
5	16QAM	12	0	17.18	17.23	17.19				19.00
5	16QAM	12	7	17.45	17.41	17.45	19	0	0.27	19.00
5	16QAM	12	13	17.43	17.38	17.42				19.00
5	16QAM	25	0	17.36	17.37	17.50				19.00
5	16QAM	1	0	17.17	17.30	17.22				19.00
5	16QAM	1	12	17.39	17.34	17.47	19	0	0.32	19.00
5	16QAM	1	24	17.26	17.18	17.15				19.00
5	16QAM	12	0	17.47	17.46	17.43				19.00
5	16QAM	12	7	17.50	17.40	17.52	19	0	0.24	19.00
5	16QAM	12	13	17.51	17.51	17.25				19.00
5	16QAM	25	0	17.25	17.26	17.23				19.00
5	16QAM	1	0	17.23	17.26	17.20				19.00
5	16QAM	1	12	17.11	17.07	17.09	19	0	0.19	19.00
5	16QAM	1	24	17.19	17.18	17.11				19.00
5	16QAM	12	0	17.08	17.12	17.16	19	0	0.12	19.00
5	16QAM	12	7	17.09	17.07	17.09				19.00
5	16QAM	12	13	17.11	17.10	17.07				19.00
5	16QAM	25	0	17.10	17.09	17.08				19.00

Band 17_Ant 0										
BN (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-up (dB)	MPD (dB)		
Channel				23760	23790	23805				
Frequency (MHz)				22.15	22.15	22.20				
10	QPSK	1	0	22.15	22.15	22.20	24	0		
10	QPSK	1	25	22.13	22.14	22.13				
10	QPSK	1	49	22.13	22.21	22.21				
10	QPSK	25	0	21.05	21.09	21.07	23	1		
10	QPSK	25	12	21.05	21.08	21.09				
10	QPSK	25	25	21.65	21.69	21.67				
10	QPSK	50	0	21.04	21.08	21.07	23	1		
10	16QAM	1	0	21.13	21.12	21.09				
10	16QAM	1	25	21.06	21.04	21.12				
10	16QAM	1	49	21.53	21.65	21.14	22	2		
10	16QAM	25	0	20.10	20.18	20.15				
10	16QAM	25	12	20.04	20.05	20.07				
10	16QAM	25	25	20.09	20.06	20.09	22	2		
10	16QAM	50	0	20.10	20.19	20.10				
10	16QAM	1	0	20.05	20.13	20.17				
10	16QAM	1	25	20.13	20.17	20.04	22	2		
10	16QAM	1	49	20.06	20.40	20.19				
10	16QAM	25	0	19.92	19.19	19.92				
10	16QAM	25	12	19.13	19.07	19.10	21	3		
10	16QAM	25	25	19.13	19.05	19.04				
10	16QAM	50	0	19.11	19.08	19.06				
10	16QAM	1	0	17.10	17.32	17.30	19	5		
10	16QAM	1	25	17.05	17.20	17.31				
10	16QAM	1	49	17.06	17.28	17.30				
10	16QAM	25	0	17.16	17.32	17.31	19	5		
10	16QAM	25	12	17.07	17.10	17.26				
10	16QAM	25	25	17.09	17.06	17.27				
Channel				23765	23795	23810				
Frequency (MHz)				22.20	22.20	22.25				
5	QPSK	1	0	22.20	22.20	22.25	24	0		
5	QPSK	1	12	22.10	22.08	22.07				
5	QPSK	1	24	22.08	22.09	22.09				
5	QPSK	12	0	21.28	21.34	21.34	23	1		
5	QPSK	12	7	21.23	21.30	21.28				
5	QPSK	12	13	21.23	21.30	21.28				
5	QPSK	25	0	21.20	21.17	21.18	23	1		
5	16QAM	1	0	21.27	21.23	21.21				
5	16QAM	1	12	21.18	21.11	21.11				
5	16QAM	1	24	21.62	21.70	21.19	22	2		
5	16QAM	12	0	20.22	20.29	20.21				
5	16QAM	12	7	20.18	20.18	20.28				
5	16QAM	12	13	20.19	20.16	20.23	22	2		
5	16QAM	25	0	20.10	20.15	20.15				
5	16QAM	25	12	20.05	20.03	20.19				
5	16QAM	1	0	20.05	20.33	20.19	21	3		
5	16QAM	12	0	19.09	19.38	19.12				
5	16QAM	12	7	19.28	19.19	19.28				
5	16QAM	12	13	19.17	19.14	19.11	19	5		
5	16QAM	25	0	19.22	19.15	19.22				
5	16QAM	25	12	19.22	19.14	19.24				
5	16QAM	1	0	17.15	17.46	17.45	19	5		
5	16QAM	1	24	17.15	17.46	17.45				
5	16QAM	12	0	17.20	17.32	17.25				
5	16QAM	12	7	17.26	17.18	17.40	19	5		
5	16QAM	12	13	17.21	17.35	17.40				
5	16QAM	25	0	17.15	17.30	17.35				

Band 25_Ant 2										Band 25_Ant 9										
RW [MHz]	Modulation	RB Size	RB Offset	Power Max [Ch./Frac.]	Power Max [Ch./Frac.]	Power Max [Ch./Frac.]	Time-slot (ms)	Leak (dB)		RW [MHz]	Modulation	RB Size	RB Offset	Power Max [Ch./Frac.]	Power Max [Ch./Frac.]	Power Max [Ch./Frac.]	Time-slot (ms)	Leak (dB)		
Channel										Channel										
Frequency (MHz)				1500	1600	1700				Frequency (MHz)				1610	1630	1650				
20	QPSK	1	0	18.33	18.33	18.33				20	QPSK	1	0	18.33	18.33	18.33				
20	QPSK	1	49	18.29	18.36	18.22		0		20	QPSK	1	49	18.29	18.36	18.22		0		
20	QPSK	50	0	18.33	18.33	18.33				20	QPSK	50	0	18.33	18.33	18.33				
20	QPSK	50	0	18.30	18.30	18.27				20	QPSK	50	0	18.30	18.30	18.27				
20	QPSK	50	50	18.17	18.44	18.12		0		20	QPSK	50	50	18.23	18.68	18.17		16	0	
20	QPSK	100	0	18.21	18.41	18.24				20	QPSK	100	0	18.29	18.60	18.22				
20	QPSK	100	0	18.28	18.42	18.20				20	QPSK	100	0	18.34	18.59	18.20				
20	16QAM	1	49	18.20	18.42	18.20				20	16QAM	1	49	18.19	18.43	18.21		0		
20	16QAM	1	99	18.23	18.42	18.22				20	16QAM	1	99	18.31	18.34	18.42				
20	16QAM	50	0	18.33	18.36	18.30				20	16QAM	50	0	18.33	18.36	18.30				
20	16QAM	50	24	18.31	18.51	18.21		0		20	16QAM	50	24	18.38	18.68	18.44		0		
20	16QAM	50	50	18.18	18.51	18.20				20	16QAM	50	50	18.28	18.51	18.20		16	0	
20	16QAM	100	0	18.28	18.52	18.30				20	16QAM	100	0	18.37	18.61	18.40				
20	64QAM	1	0	18.23	18.36	18.22				20	64QAM	1	0	18.34	18.56	18.43				
20	64QAM	1	49	18.28	18.36	18.20		0		20	64QAM	1	49	18.38	18.56	18.43		16	0	
20	64QAM	1	99	18.19	18.49	18.34				20	64QAM	1	99	18.31	18.55	18.44				
20	64QAM	50	0	18.33	18.36	18.30				20	64QAM	50	0	18.33	18.36	18.30				
20	64QAM	50	24	18.32	18.45	18.21				20	64QAM	50	24	18.42	18.57	18.30				
20	64QAM	50	50	18.19	18.49	18.23				20	64QAM	50	50	18.39	18.66	18.34				
20	256QAM	1	0	18.07	18.02	18.24				20	256QAM	1	0	18.32	18.64	18.33				
20	256QAM	1	49	18.30	18.50	18.14		19	1	20	256QAM	1	49	18.31	18.56	18.43		16	0	
20	256QAM	1	99	18.28	18.51	18.19				20	256QAM	1	99	18.38	18.57	18.31				
20	256QAM	50	0	18.17	18.63	18.08				20	256QAM	50	0	18.38	18.61	18.30				
20	256QAM	50	24	18.22	18.61	18.20			19	1	20	256QAM	50	24	18.39	18.62	18.31		16	0
20	256QAM	50	50	18.22	18.17	18.19				20	256QAM	50	50	18.38	18.67	18.30		16	0	
20	256QAM	100	0	18.1	18.03	18.26				20	256QAM	100	0	18.42	18.57	18.42				
Channel										Channel										
Frequency (MHz)				1600	1630	1660	1690	1720		Frequency (MHz)				1660	1690	1720				
15	QPSK	1	0	18.20	18.50	18.20				15	QPSK	1	0	18.36	18.66	18.36				
15	QPSK	1	37	18.24	18.54	18.24		0		15	QPSK	1	37	18.37	18.67	18.37		16	0	
15	QPSK	1	74	18.05	18.61	18.17				15	QPSK	1	74	18.25	18.63	18.30				
15	QPSK	50	0	18.15	18.42	18.15				15	QPSK	50	0	18.32	18.54	18.25				
15	QPSK	50	25	18.36	18.37	18.36				15	QPSK	50	25	18.36	18.37	18.36				
15	QPSK	50	50	18.16	18.34	18.50				15	QPSK	50	50	18.08	18.56	18.20				
15	QPSK	100	0	18.20	18.37	18.20				15	QPSK	100	0	18.36	18.53	18.36				
15	16QAM	1	0	18.22	18.38	18.04				15	16QAM	1	0	18.27	18.53	18.10				
15	16QAM	1	37	18.08	18.34	18.08				15	16QAM	1	37	18.33	18.56	18.20				
15	16QAM	1	74	18.13	18.34	18.08				15	16QAM	1	74	18.28	18.54	18.34				
15	16QAM	50	0	18.33	18.37	18.33				15	16QAM	50	0	18.33	18.37	18.33				
15	16QAM	50	25	18.22	18.38	18.20				15	16QAM	50	25	18.18	18.61	18.21				
15	16QAM	50	50	18.15	18.18	18.00				15	16QAM	50	50	18.22	18.52	18.12				
15	16QAM	100	0	18.22	18.51	18.15				15	16QAM	100	0	18.35	18.44	18.28				
15	16QAM	100	0	18.27	18.26	18.00				15	16QAM	100	0	18.38	18.48	18.28				
15	64QAM	1	37	18.20	18.20	18.17				15	64QAM	1	37	18.20	18.60	18.30				
15	64QAM	1	74	18.13	18.31	18.20				15	64QAM	1	74	18.28	18.54	18.34				
15	64QAM	50	0	18.33	18.37	18.33				15	64QAM	50	0	18.33	18.37	18.33				
15	64QAM	50	25	18.22	18.38	18.20				15	64QAM	50	25	18.18	18.64	18.21				
15	64QAM	50	50	18.15	18.18	18.00				15	64QAM	50	50	18.22	18.52	18.12				
15	64QAM	100	0	18.22	18.51	18.15				15	64QAM	100	0	18.35	18.44	18.28				
15	64QAM	100	0	18.27	18.26	18.00				15	64QAM	100	0	18.38	18.48	18.28				
15	256QAM	1	37	18.20	18.20	18.17				15	256QAM	1	37	18.20	18.60	18.30				
15	256QAM	1	74	18.13	18.31	18.20				15	256QAM	1	74	18.28	18.54	18.34				
15	256QAM	50	0	18.33	18.37	18.33				15	256QAM	50	0	18.33	18.37	18.33				
15	256QAM	50	25	18.22	18.38	18.20				15	256QAM	50	25	18.18	18.64	18.21				
15	256QAM	50	50	18.15	18.18	18.00				15	256QAM	50	50	18.22	18.52	18.12				
15	256QAM	100	0	18.22	18.51	18.15				15	256QAM	100	0	18.35	18.44	18.28				
15	256QAM	100	0	18.27	18.26	18.00				15	256QAM	100	0	18.38	18.48	18.28				
Channel										Channel										
Frequency (MHz)				1600	1630	1660	1690	1720		Frequency (MHz)				1660	1690	1720				
5	QPSK	1	0	18.24	18.44	18.24				5	QPSK	1	0	18.26	18.46	18.26				
5	QPSK	1	25	18.22	18.35	18.07				5	QPSK	1	25	18.17	18.07	18.47		16	0	
5	QPSK	1	49	18.38	18.46	18.30				5	QPSK	1	49	18.28	18.63	18.48				
5	QPSK	50	0	18.34	18.34	18.34				5	QPSK	50	0	18.34	18.34	18.34				
5	QPSK	50	25	18.18	18.34	18.12				5	QPSK	50	25	18.18	18.38	18.21				
5	QPSK	50	50	18.11	18.31	18.23				5	QPSK	50	50	18.21	18.46	18.23				
5	16QAM	1	0	18.20	18.34	18.15				5	16QAM	1	0	18.25	18.44	18.18				
5	16QAM	1	25	18.21	18.37	18.15				5	16QAM	1	25	18.17	18.32	18.15		16	0	
5	16QAM	1	49	18.31	18.34	18.20				5	16QAM	1	49	18.28	18.41	18.37				
5	16QAM	50	0	18.24	18.26	18.30				5	16QAM	50	0	18.24	18.41	18.30				
5	16QAM	50	25	18.12	18.32	18.12				5	16QAM	50	25	18.12	18.32	18.12				
5	16QAM	50	50	18.11	18.31	18.13				5	16QAM	50	50	18.41	18.58	18.34				
5	16QAM	100	0	18.20	18.37	18.15				5	16QAM	100	0	18.25	18.42	18.18				
5	64QAM	1	0	18.15	18.28	18.18				5	64QAM	1	0	18.33	18.52	18.30				
5	64QAM	1	25	18.27	18.27	18.24				5	64QAM	1	25	18.29	18.54	18.28				
5	64QAM	1	49	18.34	18.34	18.30				5	64QAM	1	49	18.34	18.54	18.34				
5	64QAM	50	0	18.30	18.30	18.29				5	64QAM	50	0	18.28	18.52	18.33				
5	64QAM	50	25	18.12	18.38	18.14				5	64QAM	50	25	18.38	18.53	18.18				
5	64QAM	50	50	18.17	18.41	18.15				5	64QAM	50	50	18.15	18.46	18.18		16	0	
5	256QAM	1	0	18.07	18.03	18.23				5	256QAM	1	0	18.32	18.52	18.32				
5	256QAM	1	49	18.35	18.19	18.21		19	1	5	256QAM	1	49	18.29	18.51	18.32		16	0	
5	256QAM	1	99	18.18	18.54	18.22				5	256QAM	1	99	18.22	18.54	18.34				
5	256QAM	50	0	18.33	18.37	18.33				5	256QAM	50	0	18.33	18.37	18.33				
5	256QAM	50	25	18.22	18.52	18.20			19	1	5	256QAM	50	25	18.12	18.51	18.24		16	0
5	256QAM	50	50	18.05	18.17	18.18														

Band 25_Ant 1												
RF (MHz)	Modulation	RF Rate	RF Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Time (min)	MPR (dB)				
Channel												
				26740	26840	26900						
Frequency (MHz)												
20	QPSK	1	0	13.77	13.84	13.50	15.5	0				
20	QPSK	1	4	13.74	13.70	13.65						
20	QPSK	1	36	13.64	13.76	13.59						
20	QPSK	50	0	13.63	13.68	13.61						
20	QPSK	50	24	13.60	13.70	13.58						
20	QPSK	100	0	13.57	13.71	13.64	15.5	0				
20	16QAM	1	0	13.67	13.69	13.57						
20	16QAM	1	40	13.65	13.76	13.67						
20	16QAM	1	75	13.58	13.75	13.61						
20	16QAM	50	0	13.68	13.76	13.80						
20	16QAM	50	24	13.76	13.76	13.64	15.5	0				
20	16QAM	50	50	13.60	13.70	13.52						
20	16QAM	100	0	13.63	13.72	13.56						
20	16QAM	1	0	13.69	13.72	13.64						
20	16QAM	1	40	13.74	13.72	13.63						
20	256QAM	1	0	13.62	13.76	13.57	15.5	0				
20	256QAM	1	75	13.74	13.72	13.63						
20	256QAM	1	36	13.72	13.75	13.56						
20	256QAM	50	0	13.68	13.76	13.85						
20	256QAM	50	24	13.68	13.71	13.63						
20	256QAM	100	0	13.74	13.81	13.64						
Channel				26906	26940	26975	Turn-up Time (min)	MPR (dB)				
Frequency (MHz)				1860.7	1880	1907.5						
15	QPSK	1	0	13.78	13.80	13.50	15.5	0				
15	QPSK	1	37	13.69	13.67	13.69						
15	QPSK	1	74	13.62	13.73	13.52						
15	QPSK	36	0	13.59	13.74	13.53						
15	QPSK	36	12	13.60	13.63	13.52						
15	QPSK	75	0	13.59	13.63	13.56	15.5	0				
15	16QAM	1	0	13.63	13.62	13.55						
15	16QAM	1	40	13.67	13.74	13.68						
15	16QAM	1	74	13.63	13.62	13.51						
15	16QAM	36	0	13.56	13.72	13.69						
15	16QAM	36	12	13.68	13.62	13.64	15.5	0				
15	16QAM	36	36	13.55	13.68	13.61						
15	16QAM	75	0	13.64	13.60	13.54						
15	16QAM	1	0	13.60	13.71	13.59						
15	16QAM	1	37	13.55	13.67	13.59						
15	16QAM	1	74	13.60	13.68	13.55	15.5	0				
15	16QAM	36	0	13.56	13.75	13.52						
15	16QAM	36	12	13.65	13.68	13.54						
15	16QAM	75	0	13.65	13.68	13.55						
15	256QAM	1	37	13.61	13.60	13.58						
15	256QAM	1	74	13.64	13.60	13.53	15.5	0				
15	256QAM	36	0	13.63	13.69	13.59						
15	256QAM	36	20	13.63	13.74	13.52						
15	256QAM	75	0	13.73	13.67	13.62						
15	256QAM	75	20	13.73	13.67	13.62						
15	256QAM	1	20	13.67	13.57	13.60						
Channel												
Frequency (MHz)				26906.7	26940	26975	Turn-up Time (min)	MPR (dB)				
				1892.1	1890	1910						
10	QPSK	1	0	13.63	13.79	13.60	15.5	0				
10	QPSK	1	24	13.66	13.66	13.67						
10	QPSK	1	40	13.67	13.65	13.63						
10	QPSK	25	0	13.59	13.62	13.54						
10	QPSK	25	12	13.59	13.55	13.54						
10	QPSK	25	24	13.66	13.54	13.52	15.5	0				
10	QPSK	50	0	13.61	13.61	13.62						
10	16QAM	1	0	13.66	13.66	13.66						
10	16QAM	1	20	13.56	13.75	13.56						
10	16QAM	1	40	13.64	13.72	13.53						
10	16QAM	24	0	13.58	13.68	13.68	15.5	0				
10	16QAM	24	12	13.62	13.73	13.51						
10	16QAM	25	20	13.59	13.56	13.61						
10	16QAM	50	0	13.62	13.67	13.61						
10	16QAM	1	0	13.54	13.63	13.57						
10	16QAM	1	40	13.60	13.74	13.59	15.5	0				
10	16QAM	25	0	13.50	13.77	13.52						
10	16QAM	25	12	13.63	13.64	13.63						
10	16QAM	25	20	13.55	13.76	13.53						
10	16QAM	50	0	13.55	13.64	13.62						
10	256QAM	1	20	13.67	13.57	13.60	15.5	0				
10	256QAM	1	40	13.67	13.67	13.67						
10	256QAM	25	0	13.54	13.62	13.52						
10	256QAM	25	12	13.54	13.65	13.61						
10	256QAM	25	20	13.55	13.68	13.57						
10	256QAM	50	0	13.54	13.70	13.53	15.5	0				

Band 30_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level (Ch / Freq)	Power Level (Ch / Freq)	Power Level (Ch / Freq)	Time-slot (slot)	MPR (dB)	
Channel				27115					
Frequency (MHz)									
10	QPSK	1	0	10.81	10.91	10.91			
10	QPSK	1	25	10.92	10.92	10.92	12.5	0	
10	QPSK	1	50	10.94	10.94	10.94			
10	QPSK	25	0	10.91	10.91	10.91			
10	QPSK	25	12	10.83	10.83	10.83	12.5	0	
10	QPSK	25	25	10.93	10.93	10.93			
10	QPSK	50	0	10.84	10.84	10.84			
10	QPSK	50	12	10.85	10.85	10.85	12.5	0	
10	QPSK	1	25	10.92	10.92	10.92			
10	QPSK	1	49	10.93	10.93	10.93			
10	QPSK	25	25	10.91	10.91	10.91	12.5	0	
10	QPSK	25	12	10.87	10.87	10.87			
10	QPSK	25	0	10.91	10.91	10.91			
10	QPSK	50	0	10.84	10.84	10.84			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			
10	QPSK	50	0	10.87	10.87	10.87			
10	QPSK	50	12	10.87	10.87	10.87	12.5	0	
10	QPSK	1	25	10.93	10.93	10.93			
10	QPSK	1	49	10.94	10.94	10.94			
10	QPSK	25	0	10.87	10.87	10.87			
10	QPSK	25	12	10.87	10.87	10.87	12.5	0	
10	QPSK	25	25	10.91	10.91	10.91			

Band 66_Ant 2										
Br/ID	Modulation	RIS Size	RIS Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-on-Air (dB)	MFR (dB)	
				Ch1 / Freq	Ch2 / Freq	Ch3 / Freq	Ch4 / Freq			
Channel				150072	150222	150572				
Frequency (MHz)				1702	1702	1702				
20	QPSK	1	0	18.31	18.31	18.31				
20	QPSK	1	49	18.16	18.32	18.16		10.0	0	
20	QPSK	1	98	18.01	18.33	18.01				
20	QPSK	50	0	18.25	18.31	18.25				
20	QPSK	50	49	18.10	18.34	18.10		10.0	0	
20	QPSK	100	0	18.22	18.33	18.15				
20	QPSK	100	49	18.07	18.34	18.07				
20	HQAM	1	0	18.18	18.37	18.21		10.0	0	
20	HQAM	1	49	18.18	18.37	18.21				
20	HQAM	1	99	18.20	18.27	18.17		10.0	0	
20	HQAM	50	24	18.06	18.32	18.09				
20	HQAM	50	74	18.06	18.32	18.09		10.0	0	
20	HQAM	100	0	18.18	18.30	18.23				
20	HQAM	1	0	17.23	17.23	17.23				
20	HQAM	1	49	17.29	17.22	17.23		10.0	0	
20	HQAM	1	99	17.18	17.23	17.18				
20	HQAM	50	24	17.14	17.22	17.13		10.0	0	
20	HQAM	50	74	17.14	17.22	17.13				
20	HQAM	100	0	17.21	17.18	17.14		10.0	0	
20	HQAM	100	0	17.28	17.17	17.28				
Channel				150902	150922	150972				
Frequency (MHz)				1717	1717	1717				
15	QPSK	1	0	18.19	18.31	18.18				
15	QPSK	1	49	18.04	18.32	18.04		10.0	0	
15	QPSK	1	94	18.12	18.33	18.10				
15	QPSK	30	0	18.17	18.27	18.23				
15	QPSK	30	49	18.07	18.27	18.17		10.0	0	
15	QPSK	30	90	18.04	18.21	18.04				
15	HQAM	1	0	18.13	18.33	18.05				
15	HQAM	1	37	18.05	18.24	18.06		10.0	0	
15	HQAM	1	74	18.05	18.24	18.06				
15	HQAM	30	0	18.08	18.28	18.07				
15	HQAM	30	24	18.14	18.10	18.21		10.0	0	
15	HQAM	30	74	18.14	18.10	18.21				
15	HQAM	70	0	18.05	18.10	18.05				
15	HQAM	70	49	18.05	18.10	18.05		10.0	0	
15	HQAM	1	37	18.15	18.26	18.16				
15	HQAM	1	74	18.20	18.18	18.06		10.0	0	
15	HQAM	30	24	18.11	18.20	18.11				
15	HQAM	30	20	18.17	18.32	18.10		10.0	0	
15	HQAM	70	0	18.09	18.26	18.05				
15	HQAM	70	49	18.09	18.26	18.05		10.0	0	
15	HQAM	1	37	17.29	17.23	17.18				
15	HQAM	1	74	17.29	17.23	17.18		10.0	0	
15	HQAM	1	94	17.15	17.27	17.12				
15	HQAM	30	0	17.31	17.18	17.21		10.0	0	
15	HQAM	30	49	17.24	17.18	17.21				
15	HQAM	30	90	17.21	17.23	17.18		10.0	0	
15	HQAM	30	90	17.21	17.23	17.18				
Channel				151602	152222	150472				
Frequency (MHz)				1715 <th>1714</th> <th>1773</th> <th></th> <th></th> <th></th> <th></th>	1714	1773				
5	QPSK	1	0	18.26	18.30	18.16				
5	QPSK	1	25	18.26	18.30	18.16		10.0	0	
5	QPSK	1	49	18.03	18.22	18.18				
5	QPSK	1	74	18.20	18.22	18.18				
5	QPSK	20	12	18.12	18.12	18.11		10.0	0	
5	QPSK	20	26	18.10	18.10	18.12				
5	QPSK	20	50	18.13	18.08	18.11		10.0	0	
5	HQAM	1	0	18.08	18.34	17.80				
5	HQAM	1	25	18.08	18.30	18.09		10.0	0	
5	HQAM	1	49	18.18	18.25	18.15				
5	HQAM	1	74	18.19	18.23	18.08				
5	HQAM	20	12	18.03	18.03	18.03		10.0	0	
5	HQAM	20	26	18.14	18.27	18.13				
5	HQAM	20	50	18.07	18.12	18.02				
5	HQAM	20	50	18.13	18.08	18.11		10.0	0	
5	HQAM	1	25	18.03	18.29	18.05		10.0	0	
5	HQAM	1	49	18.20	18.20	18.15				
5	HQAM	1	74	18.20	18.20	18.15				
5	HQAM	20	12	18.22	18.14	18.12		10.0	0	
5	HQAM	20	26	18.20	18.29	18.20				
5	HQAM	20	50	18.10	18.38	18.13		10.0	0	
5	HQAM	20	50	18.10	18.38	18.13				
5	HQAM	1	25	17.19	17.19	17.11		10.0	0	
5	HQAM	1	49	17.17	17.25	17.10				
5	HQAM	1	74	17.17	17.25	17.10		10.0	0	
5	HQAM	20	12	17.25	17.33	17.20				
5	HQAM	20	26	17.19	17.20	17.17		10.0	0	
5	HQAM	20	50	17.19	17.20	17.17				
Channel				151602	152222	150472				
Frequency (MHz)				1715	1714	1773				
5	QPSK	1	0	18.16	18.28	18.13				
5	QPSK	1	8	18.01	18.28	18.14		10.0	0	
5	QPSK	8	0	18.15	18.27	18.18				
5	QPSK	12	0	18.23	18.28	18.19		10.0	0	
5	QPSK	12	7	18.19	18.21	18.02				
5	QPSK	12	14	18.19	18.21	18.02		10.0	0	
5	QPSK	20	0	18.15	18.09	18.03				
5	HQAM	1	0	18.10	18.32	18.08				
5	HQAM	1	8	18.03	18.33	18.09		10.0	0	
5	HQAM	1	24	18.10	18.18	18.13				
5	HQAM	1	49	18.13	18.29	18.12		10.0	0	
5	HQAM	12	7	18.04	18.13	18.03				
5	HQAM	12	13	18.07	18.18	18.12		10.0	0	
5	HQAM	12	13	18.07	18.18	18.12				
5	HQAM	20	0	18.08	18.22	18.08				
5	HQAM	20	0	18.08	18.22	18.08		10.0	0	
5	HQAM	1	12	18.16	18.21	18.16				
5	HQAM	1	12	18.16	18.21	18.16		10.0	0	
5	HQAM	12	0	18.16	18.22	18.07				
5	HQAM	12	13	18.07	18.16	18.18		10.0	0	
5	HQAM	20	0	18.08	18.22	18.08				
5	HQAM	20	0	18.08	18.22	18.08		10.0	0	
5	HQAM	1	12	17.13	17.30	17.20		10.0	0	
5	HQAM	1	12	17.13	17.30	17.20				
5	HQAM	12	0	17.28	17.29	17.19		10.0	0	
5	HQAM	12	7	17.17	17.34	17.20				
5	HQAM	12	14	17.17	17.34	17.20		10.0	0	
5	HQAM	20	0	17.15	17.25	17.22				
Channel				151115	152222	150472				
Frequency (MHz)				1715	1714	1773				
3	QPSK	1	0	18.16	18.28	18.13				
3	QPSK	1	8	18.01	18.28	18.14		10.0	0	
3	QPSK	8	0	18.15	18.27	18.18				
3	QPSK	12	0	18.23	18.28	18.19		10.0	0	
3	QPSK	12	7	18.19	18.21	18.02				
3	QPSK	12	14	18.19	18.21	18.02		10.0	0	
3	HQAM	1	0	18.09	18.30	18.14				
3	HQAM	1	8	18.03	18.31	18.14		10.0	0	
3	HQAM	1	24	18.13	18.27	18.13				
3	HQAM	1	49	18.16	18.27	18.16		10.0	0	
3	HQAM	12	7	18.04	18.13	18.03				
3	HQAM	12	13	18.07	18.16	18.18		10.0	0	
3	HQAM	20	0	18.08	18.22	18.08				
3	HQAM	20	0	18.08	18.22	18.08		10.0	0	
3	HQAM	1	12	17.13	17.30	17.20		10.0	0	
3	HQAM	1	12	17.13	17.30	17.20				
3	HQAM	12	0	17.28	17.29	17.19		10.0	0	
3	HQAM	12	7	17.17	17.34	17.20				
3	HQAM	12	14	17.17	17.34	17.20		10.0	0	
3	HQAM	20	0	17.15	17.25	17.22				
Channel				151115	152222	150472				
Frequency (MHz)				1715	1714	1773				
3	QPSK	1	0	18.16	18.28	18.13				
3	QPSK	1	8	18.01	18.28	18.14		10.0	0	
3	QPSK	8	0	18.15	18.27	18.18				
3	QPSK	12	0	18.23	18.28	18.19		10.0	0	
3	QPSK	12	7	18.19	18.21	18.02				
3	QPSK	12	14	18.19	18.21	18.02		10.0	0	
3	HQAM	1	0	18.09	18.30	18.14				
3	HQAM	1	8	18.03	18.31	18.14		10.0	0	
3	HQAM	1	24	18.13	18.27	18.13				
3	HQAM	1	49	18.16	18.27	18.16		10.0	0	
3	HQAM	12	7	18.04	18.13	18.03				
3	HQAM	12	13	18.07	18.16	18.18		10.0	0	
3	HQAM	20	0	18.08	18.22	18.08				
3	HQAM	20	0	18.08	18.22	18.08		10.0	0	
3	HQAM	1	12	17.13	17.30	17.20		10.0	0	
3	HQAM	1	12	17.13	17.30	17.20				
3	HQAM	12	0	17.28	17.29	17.19		10.0	0	
3	HQAM	12	7	17.17	17.34	17.20				
3	HQAM	12	14	17.17	17.34	17.20		10.0	0	
3	HQAM	20	0	17.15	17.25	17.22				
Channel				151115	152222	150472			</	

Band 66_Ant 9									
RF Band	Modulation	RB Size	RB Offset	Power Ch./Power Freq.	Power Ch./Power Freq.	Power Ch./Power Freq.	Time-to-on (ms)	Legn (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	13.002	13.002	13.002			
20	QPSK	1	40	15.76	15.76	15.76			
20	QPSK	1	80	15.76	15.76	15.76			0
20	QPSK	160	0	15.76	15.76	15.77			
20	QPSK	160	80	15.76	15.76	15.76			17
20	QPSK	160	0	15.76	15.76	15.76			17
20	16QAM	1	40	15.80	15.79	15.78			
20	16QAM	160	0	15.79	15.80	15.81			17
20	16QAM	160	80	15.78	15.79	15.80			17
20	16QAM	160	0	15.78	15.79	15.80			17
20	16QAM	160	80	15.79	15.80	15.81			17
20	16QAM	160	0	15.79	15.80	15.81			17
20	16QAM	160	80	15.78	15.79	15.80			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160	80	15.77	15.78	15.79			17
20	16QAM	160	0	15.77	15.78	15.79			17
20	16QAM	160</							

Band 66_Ant 1										
RF [MHz]	Modulation	Ref. Band	Ref. Channel	Power [mW]	Power [mW]	Power [mW]	Time-on- [min]	Latency [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.99	13.92	13.92				
20	QPSK	1	49	14.98	15.13	15.04		16.5	0	
20	QPSK	1	99	14.98	15.13	15.04				
20	QPSK	50	0	14.99	15.07	14.98				
20	QPSK	50	49	14.98	14.98	14.98		16.5	0	
20	QPSK	100	0	14.98	15.03	14.98				
20	QPSK	100	49	14.97	14.98	14.98				
20	16QAM	1	49	14.98	15.13	14.98		16.5	0	
20	16QAM	50	99	14.98	14.97	15.08				
20	16QAM	50	149	14.98	14.98	14.98				
20	16QAM	50	24	15.03	15.07	14.95		16.5	0	
20	16QAM	100	49	14.98	14.98	14.98				
20	16QAM	100	0	14.98	15.07	14.97				
20	8QAM	1	99	15.03	14.99	14.98		16.5	0	
20	8QAM	1	49	14.98	15.03	15.03				
20	8QAM	50	24	14.98	15.03	15.03				
20	8QAM	50	50	15.00	14.99	14.98				
20	8QAM	100	50	15.00	15.00	15.01		16.5	0	
20	25QAM	1	0	15.04	15.04	15.04				
20	25QAM	1	49	15.00	15.03	15.06				
20	25QAM	1	99	15.00	15.03	15.06				
20	25QAM	50	0	14.98	14.99	14.97				
20	25QAM	50	49	14.98	14.98	14.98		16.5	0	
20	25QAM	50	99	14.93	15.04	15.03				
20	25QAM	100	0	14.98	15.00	15.03		16.5	0	
20	25QAM	100	50	15.04	14.97	14.98				
Channel										
Frequency (MHz)										
16	QPSK	1	0	13.99	13.92	13.92				
16	QPSK	1	37	15.04	15.04	14.98		16.5	0	
16	QPSK	1	74	14.91	15.03	14.99				
16	QPSK	36	0	14.94	14.95	14.97				
16	QPSK	36	35	14.94	14.95	14.97		16.5	0	
16	QPSK	36	70	14.98	14.99	14.98				
16	16QAM	1	0	14.90	14.89	15.00				
16	16QAM	1	37	14.94	14.95	14.85		16.5	0	
16	16QAM	1	74	14.91	14.92	14.81				
16	16QAM	36	0	14.87	14.91	14.81				
16	16QAM	36	35	14.92	14.92	14.81		16.5	0	
16	16QAM	36	70	14.94	14.98	14.83				
16	8QAM	1	37	14.90	14.93	14.80		16.5	0	
16	8QAM	1	74	14.91	14.92	14.84				
16	8QAM	36	0	14.87	14.91	14.84				
16	8QAM	36	35	14.90	14.92	14.84		16.5	0	
16	8QAM	36	70	14.92	14.97	14.84				
16	25QAM	1	0	15.07	14.94	14.98				
16	25QAM	1	37	14.97	14.86	15.00		16.5	0	
16	25QAM	1	74	14.98	14.93	14.97				
16	25QAM	36	0	14.92	14.88	14.90				
16	25QAM	36	35	14.92	14.89	14.91		16.5	0	
16	25QAM	36	70	14.94	14.98	14.83				
16	8QAM	1	37	14.90	14.93	14.80		16.5	0	
16	8QAM	1	74	14.91	14.92	14.84				
16	8QAM	36	0	14.87	14.91	14.84				
16	8QAM	36	35	14.90	14.92	14.84		16.5	0	
16	8QAM	36	70	14.92	14.97	14.84				
16	25QAM	1	24	14.93	14.98	14.93		16.5	0	
16	25QAM	1	25	14.93	14.98	14.93				
16	25QAM	1	49	14.93	14.98	14.93				
16	25QAM	1	50	14.93	14.98	14.93				
16	25QAM	1	74	14.93	14.98	14.93				
16	25QAM	1	75	14.93	14.98	14.93				
16	25QAM	1	99	14.93	14.98	14.93				
16	25QAM	1	100	14.93	14.98	14.93				
16	25QAM	50	0	14.90	14.92	14.94		16.5	0	
16	25QAM	50	12	14.90	14.97	14.94				
16	25QAM	50	20	14.96	14.87	14.90		16.5	0	
16	25QAM	50	25	14.96	14.87	14.90				
Channel										
Frequency (MHz)										
8	QPSK	1	0	13.99	13.92	13.92				
8	QPSK	1	12	14.99	15.01	15.03		16.5	0	
8	QPSK	1	24	14.98	15.01	15.03				
8	QPSK	12	0	14.94	14.94	14.96				
8	QPSK	12	7	14.97	14.87	14.83		16.5	0	
8	QPSK	12	14	14.98	14.83	14.78				
8	QPSK	26	0	14.92	14.97	14.82				
8	16QAM	1	12	14.93	14.88	14.96		16.5	0	
8	16QAM	1	13	14.98	15.03	14.94				
8	16QAM	1	24	14.93	14.94	14.92				
8	16QAM	12	0	14.94	14.93	14.91				
8	16QAM	12	7	14.90	14.98	14.90				
8	16QAM	12	13	14.94	14.91	15.01		16.5	0	
8	16QAM	12	14	14.93	14.93	14.91				
8	8QAM	1	0	14.93	14.93	14.91				
8	8QAM	1	12	14.99	14.87	14.78		16.5	0	
8	8QAM	1	13	14.98	15.03	14.94				
8	8QAM	1	24	14.93	14.93	14.91				
8	8QAM	12	0	14.93	14.93	14.91				
8	8QAM	12	13	14.88	15.01	14.84		16.5	0	
8	8QAM	12	14	14.93	14.97	14.86				
8	8QAM	26	0	14.90	14.88	14.91				
8	25QAM	1	0	15.00	15.00	15.00		16.5	0	
8	25QAM	1	12	14.88	15.07	14.95				
8	25QAM	1	24	14.93	15.01	14.95				
8	25QAM	12	0	14.78	15.02	14.98				
8	25QAM	12	7	14.84	15.02	14.98		16.5	0	
8	25QAM	12	14	14.91	14.91	14.91				
8	25QAM	26	0	14.90	14.99	14.95				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.04	15.04	15.04				
3	QPSK	1	8	14.88	14.87	14.95		16.5	0	
3	QPSK	1	16	14.98	14.98	14.94				
3	QPSK	8	0	14.97	14.95	14.95				
3	QPSK	8	8	14.98	14.98	14.98		16.5	0	
3	QPSK	8	7	14.91	14.91	14.91				
3	QPSK	15	0	14.90	14.99	14.92				
3	16QAM	1	16	14.98	14.93	14.95		16.5	0	
3	16QAM	1	8	14.84	15.02	14.94				
3	16QAM	1	16	14.98	14.98	14.94				
3	16QAM	8	0	14.97	14.98	14.96		16.5	0	
3	16QAM	8	8	14.97	14.98	14.96				
3	16QAM	8	7	14.91	14.92	14.87				
3	16QAM	15	0	14.90	14.99	14.95				
3	8QAM	1	0	14.93	14.85	14.81		16.5	0	
3	8QAM	1	16	14.98	14.98	14.94				
3	8QAM	8	0	14.97	14.98	14.96				
3	8QAM	8	8	14.97	14.98	14.96				
3	8QAM	15	0	14.90	14.99	14.95				
3	8QAM	1	0	14.93	14.85	14.81		16.5	0	
3	8QAM	1	16	14.98	14.98	14.94				
3	8QAM	8	0	14.97	14.98	14.96				
3	8QAM	8	8	14.97	14.98	14.96				
3	8QAM	15	0	14.90	14.99	14.95				
3	25QAM	1	0	15.00	15.00	15.00		16.5	0	
3	25QAM	1	8	14.93	14.98	14.94				
3	25QAM	1	16	14.98	14.98	14.94				
3	25QAM	8	0	14.93	15.00	14.91				
3	25QAM	8	8	14.93	15.00	14.91				
3	25QAM	8	7	14.91	14.91	14.91				
3	25QAM	15	0	14.90	14.94	14.90				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.94	15.00	14.98				
1.4	QPSK	1	3	14.98	14.98	14.94		16.5	0	
1.4	QPSK	1	6	14.97	14.97	14.96				
1.4	QPSK	3	0	14.94	14.96	14.96				
1.4	QPSK	3	3	14.72	14.92	14.77		16.5	0	
1.4	QPSK	3	6	14.98	14.98	14.94				
1.4	16QAM	1	0	14.94	14.98	14.94				
1.4	16QAM	1	3	14.91	15.09	14.95		16.5	0	
1.4	16QAM	1	6	14.93	14.97	14.95				
1.4	16QAM	3	0	14.97	14.95	14.92				
1.4	16QAM	3	3	14.85	14.95	14.82				
1.4	16QAM	3	6	14.98	14.98	14.94				
1.4	16QAM	6	0	14.93	14.92	14.88		16.5	0	
1.4	8QAM	1	3	14.92	14.98	14.96				
1.4	8QAM	1	6	14.97	14.87	14.90		16.5	0	
1.4	8QAM	3	0	14.91	14.99	14.94				
1.4	8QAM	3	3	14.84	14.98	14.87				
1.4	8QAM	6	0	14.90	15.00	14.95		16.5	0	
1.4	25QAM	1	0	14.97	14.96	14.94				
1.4	25QAM	1	3	14.93	15.04	14.92				
1.4	25QAM	1	6	14.98	14.98	14.94				
1.4	25QAM	3	0	14.76	14.93	14.94		16.5	0	
1.4	25QAM	3	3	14.97	15.00	14.91				
1.4	25QAM	3	6	14.98	14.95	14.92				

Band 71_Ant 0										
SW (MHz)	Modulation	RB Wd (MHz)	BS Offset (MHz)	Power Low (MHz)	Power Mode (MHz)	Power High (MHz)	Turn-up (dB)	MPR (dB)		
Channel										
				133222	133207	133372				
Frequency (MHz)										
20	QPSK	1	0	22.45	22.55	22.45	24	0		
20	QPSK	1	49	22.47	22.52	22.42				
20	QPSK	1	99	22.49	22.52	22.35				
20	QPSK	1	149	21.48	21.55	21.45				
20	QPSK	50	24	21.47	21.60	21.52	23	1		
20	QPSK	50	50	21.48	21.57	21.47				
20	QPSK	100	0	20.56	20.73	20.58				
20	QPSK	100	50	20.55	20.75	20.58				
20	16QAM	1	0	21.55	21.75	21.58	23	1		
20	16QAM	1	49	21.72	21.73	21.69				
20	16QAM	1	99	21.61	21.70	21.55				
20	16QAM	1	149	21.72	21.73	21.69				
20	16QAM	50	0	20.61	20.70	20.67	22	2		
20	16QAM	50	24	20.56	20.73	20.58				
20	16QAM	50	50	20.58	20.71	20.55				
20	16QAM	100	0	20.63	20.75	20.59				
20	16QAM	1	0	20.57	20.68	20.62	22	2		
20	16QAM	1	49	20.44	20.60	20.48				
20	16QAM	1	99	20.50	20.65	20.49				
20	16QAM	50	0	19.73	19.75	19.74				
20	16QAM	50	24	19.58	19.70	19.53	21	3		
20	16QAM	50	50	19.51	19.68	19.48				
20	16QAM	100	0	19.59	19.72	19.61				
20	256QAM	1	0	17.34	17.37	17.37				
20	256QAM	1	49	17.47	17.46	17.37	19	5		
20	256QAM	1	99	17.36	17.41	17.35				
20	256QAM	50	0	17.40	17.43	17.44				
20	256QAM	50	24	17.43	17.47	17.45				
20	256QAM	50	50	17.45	17.47	17.38	19	5		
20	256QAM	100	0	17.42	17.33	17.43				
Channel										
Frequency (MHz)				673	660.5	668	Turn-up (dB)	MPR (dB)		
15	QPSK	1	0	22.46	22.45	22.45	24	0		
15	QPSK	1	37	22.35	22.39	22.32				
15	QPSK	1	74	22.37	22.47	22.26				
15	QPSK	36	0	21.33	21.57	21.47				
15	QPSK	36	20	21.37	21.44	21.44	23	1		
15	QPSK	75	0	20.38	20.47	20.39				
15	QPSK	75	0	21.35	21.49	21.48				
15	16QAM	1	0	21.49	21.64	21.41				
15	16QAM	1	37	21.14	21.67	21.41	23	1		
15	16QAM	1	74	21.54	21.51	21.42				
15	16QAM	36	0	20.48	20.64	20.64				
15	16QAM	36	20	20.52	20.57	20.51				
15	16QAM	36	39	20.50	20.67	20.43	22	2		
15	16QAM	75	0	20.45	20.66	20.45				
15	16QAM	1	0	20.45	20.54	20.59				
15	16QAM	1	37	20.24	20.47	20.30				
15	16QAM	1	74	20.30	20.57	20.30	21	3		
15	16QAM	36	0	19.85	19.73	19.70				
15	16QAM	36	20	19.82	19.73	19.70				
15	16QAM	36	39	19.55	19.53	19.45				
15	16QAM	75	0	19.39	19.69	19.47	19	5		
15	256QAM	1	37	17.44	17.42	17.36				
15	256QAM	1	74	17.37	17.45	17.45				
15	256QAM	1	74	17.42	17.45	17.44				
15	256QAM	36	0	17.36	17.43	17.36	19	5		
15	256QAM	36	20	17.40	17.44	17.46				
15	256QAM	75	0	17.46	17.45	17.45				
15	256QAM	75	0	17.43	17.49	17.32				
Channel										
Frequency (MHz)				133197	133207	133422	Turn-up (dB)	MPR (dB)		
10	QPSK	1	0	22.39	22.53	22.41	24	0		
10	QPSK	1	25	22.38	22.50	22.25				
10	QPSK	1	49	22.38	22.47	22.19				
10	QPSK	25	0	21.46	21.61	21.54				
10	QPSK	25	12	21.48	21.47	21.39	23	1		
10	QPSK	24	24	21.47	21.44	21.33				
10	QPSK	50	0	21.30	21.35	21.48				
10	QPSK	50	0	21.47	21.57	21.45				
10	16QAM	1	25	21.69	21.72	21.64	23	1		
10	16QAM	1	49	21.43	21.67	21.39				
10	16QAM	24	0	20.17	20.54	20.60				
10	16QAM	24	12	20.50	20.58	20.44				
10	16QAM	25	20	20.48	20.61	20.53	22	2		
10	16QAM	50	0	20.48	20.60	20.48				
10	16QAM	1	0	20.48	20.67	20.55				
10	16QAM	1	20	20.40	20.56	20.36				
10	16QAM	1	49	20.34	20.50	20.48	22	2		
10	16QAM	25	0	19.57	19.59	19.70				
10	16QAM	25	12	19.47	19.58	19.37				
10	16QAM	25	20	19.44	19.48	19.29				
10	256QAM	1	0	17.47	17.45	17.35	19	5		
10	256QAM	1	25	17.47	17.45	17.43				
10	256QAM	1	49	17.42	17.43	17.36				
10	256QAM	25	0	17.36	17.45	17.42				
10	256QAM	25	12	17.26	17.40	17.38	19	5		
10	256QAM	25	20	17.45	17.41	17.31				
10	256QAM	50	0	17.47	17.33	17.38				
Channel										
Frequency (MHz)				665.5	660.5	666.5	Turn-up (dB)	MPR (dB)		
5	QPSK	1	0	22.47	22.42	22.46	24	0		
5	QPSK	1	12	22.46	22.34	22.29				
5	QPSK	1	24	22.43	22.38	22.25				
5	QPSK	12	0	21.30	21.58	21.58				
5	QPSK	12	13	21.36	21.42	21.30	23	1		
5	QPSK	12	13	21.43	21.55	21.52				
5	QPSK	25	0	21.43	21.51	21.38				
5	16QAM	1	0	21.37	21.71	21.44				
5	16QAM	1	12	21.62	21.64	21.56	23	1		
5	16QAM	1	20	21.42	21.66	21.39				
5	16QAM	12	0	20.48	20.69	20.64				
5	16QAM	12	7	20.49	20.61	20.54				
5	16QAM	12	13	20.18	20.58	20.44	22	2		
5	16QAM	25	0	20.55	20.59	20.47				
5	16QAM	1	0	20.55	20.59	20.59				
5	16QAM	1	12	20.30	20.48	20.29				
5	16QAM	1	24	20.32	20.37	20.33	22	2		
5	16QAM	12	0	19.70	19.61	19.57				
5	16QAM	12	7	19.47	19.68	19.42				
5	16QAM	12	13	19.44	19.65	19.47				
5	16QAM	12	13	19.48	19.48	19.21	21	3		
5	256QAM	1	0	17.35	17.40	17.35				
5	256QAM	1	12	17.35	17.39	17.36				
5	256QAM	1	24	17.37	17.48	17.47				
5	256QAM	12	0	17.29	17.38	17.47	19	5		
5	256QAM	12	13	17.33	17.39	17.36				
5	256QAM	12	13	17.36	17.50	17.31				
5	256QAM	12	13	17.38	17.50	17.33				

Band 38_Ant 2										
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch [Frac]	Power Mid Ch [Frac]	Power High Ch [Frac]	Turn-up [dB]	MPR [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.50	19.52	19.52				
20	QPSK	1	40	19.51	19.62	19.60	21	0		
20	QPSK	1	90	19.58	19.71	19.52				
20	QPSK	50	0	19.52	19.52	19.52				
20	QPSK	50	24	19.52	19.60	19.64	21	0		
20	QPSK	50	50	19.58	19.62	19.54				
20	QPSK	100	0	19.62	19.62	19.58				
20	16QAM	1	0	19.58	19.62	19.52				
20	16QAM	1	40	19.64	19.70	19.52	21	0		
20	16QAM	1	90	19.57	19.58	19.51				
20	16QAM	50	0	19.51	19.72	19.52				
20	16QAM	50	24	19.52	19.74	19.52	21	0		
20	16QAM	50	50	19.56	19.63	19.56				
20	16QAM	100	0	19.63	19.61	19.49				
20	256QAM	1	0	17.40	17.46	17.43				
20	256QAM	1	40	17.27	17.36	17.40	19	2		
20	256QAM	1	90	17.29	17.42	17.38				
20	256QAM	50	0	17.30	17.35	17.33				
20	256QAM	50	24	17.24	17.30	17.29	19	2		
20	256QAM	50	50	17.29	17.34	17.30				
20	256QAM	100	0	17.29	17.34	17.28				
Channel										
Frequency (MHz)										
16	QPSK	1	0	19.64	19.72	19.72				
16	QPSK	1	37	19.48	19.48	19.58	21	0		
16	QPSK	1	74	19.47	19.63	19.42				
16	QPSK	36	0	19.60	19.60	19.44				
16	QPSK	36	20	19.61	19.62	19.30	21	0		
16	QPSK	75	0	19.60	19.59	19.42				
16	16QAM	1	0	19.48	19.50	19.52				
16	16QAM	1	37	19.44	19.52	19.52	21	0		
16	16QAM	1	74	19.56	19.57	19.51				
16	16QAM	36	0	19.38	19.60	19.44				
16	16QAM	36	20	19.44	19.57	19.52	21	0		
16	16QAM	36	50	19.53	19.60	19.44				
16	16QAM	75	0	19.50	19.61	19.52				
16	16QAM	1	0	19.45	19.57	19.47				
16	16QAM	1	37	19.47	19.64	19.36	21	0		
16	16QAM	1	74	19.43	19.61	19.47				
16	16QAM	36	0	19.46	19.61	19.39				
16	16QAM	36	20	19.42	19.62	19.36	21	0		
16	16QAM	36	50	19.52	19.57	19.51				
16	16QAM	75	0	19.61	19.60	19.40				
16	256QAM	1	0	17.26	17.26	17.26				
16	256QAM	1	37	17.24	17.22	17.21	19	2		
16	256QAM	1	74	17.22	17.21	17.20				
16	256QAM	36	0	17.20	17.21	17.20				
16	256QAM	36	20	17.04	17.20	17.20	19	2		
16	256QAM	36	50	17.12	17.20	17.20				
16	256QAM	75	0	17.12	17.20	17.18				
Channel										
Frequency (MHz)										
16	QPSK	1	0	19.63	19.61	19.62				
16	QPSK	1	25	19.61	19.58	19.50	21	0		
16	QPSK	1	40	19.62	19.62	19.51				
16	QPSK	25	0	19.50	19.59	19.49				
16	QPSK	25	12	19.47	19.58	19.33	21	0		
16	QPSK	25	12	19.42	19.61	19.48				
16	QPSK	50	0	19.54	19.63	19.41				
16	QPSK	50	12	19.58	19.59	19.52				
16	16QAM	1	25	19.45	19.67	19.56	21	0		
16	16QAM	1	40	19.56	19.64	19.60				
16	16QAM	25	0	19.44	19.60	19.43				
16	16QAM	25	12	19.37	19.64	19.62	21	0		
16	16QAM	25	25	19.46	19.61	19.46				
16	16QAM	50	0	19.53	19.64	19.52				
16	16QAM	1	0	19.57	19.61	19.39	21	0		
16	16QAM	1	25	19.50	19.63	19.33				
16	16QAM	1	40	19.46	19.60	19.47				
16	16QAM	25	0	19.44	19.62	19.47				
16	16QAM	25	12	19.37	19.72	19.52	21	0		
16	16QAM	25	25	19.48	19.59	19.43				
16	16QAM	50	0	19.56	19.57	19.44				
16	256QAM	1	0	17.21	17.25	17.25				
16	256QAM	1	25	17.18	17.17	17.28	19	2		
16	256QAM	1	40	17.20	17.20	17.21				
16	256QAM	25	0	17.24	17.20	17.21				
16	256QAM	25	12	17.16	17.26	17.16	19	2		
16	256QAM	25	25	17.27	17.21	17.21				
16	256QAM	50	0	17.10	17.20	17.21				

Band 38_Ant 9										
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch [Frac]	Power Mid Ch [Frac]	Power High Ch [Frac]	Turn-up [dB]	MPR [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.30	17.43	17.34				
20	QPSK	1	40	17.27	17.30	17.21	19.5	0		
20	QPSK	1	90	17.33	17.40	17.33				
20	QPSK	50	0	17.26	17.36	17.26				
20	QPSK	50	24	17.23	17.32	17.22	19.5	0		
20	QPSK	50	50	17.26	17.30	17.27				
20	QPSK	100	0	17.24	17.35	17.24				
20	16QAM	1	0	17.27	17.33	17.28				
20	16QAM	1	40	17.27	17.30	17.29	19.5	0		
20	16QAM	1	90	17.26	17.34	17.25				
20	16QAM	50	0	17.25	17.34	17.24				
20	16QAM	50	24	17.26	17.30	17.27	19.5	0		
20	16QAM	50	50	17.31	17.38	17.19				
20	16QAM	100	0	17.25	17.31	17.29				
20	16QAM	1	0	17.25	17.34	17.24				
20	16QAM	1	40	17.30	17.35	17.32	19.5	0		
20	16QAM	50	0	17.28	17.29	17.19				
20	16QAM	50	24	17.28	17.41	17.24	19.5	0		
20	16QAM	50	50	17.34	17.37	17.20				
20	16QAM	100	0	17.37	17.39	17.23				
20	256QAM	1	0	17.34	17.28	17.31				
20	256QAM	1	40	17.37	17.41	17.22	19.5	0		
20	256QAM	1	90	17.24	17.32	17.19				
20	256QAM	50	0	17.23	17.35	17.27				
20	256QAM	50	24	17.30	17.40	17.21	19.5	0		
20	256QAM	50	50	17.34	17.32	17.28				
20	256QAM	100	0	17.28	17.38	17.29				
Channel										
Frequency (MHz)										
16	QPSK	1	0	17.28	17.38	17.21				
16	QPSK	1	37	17.21	17.21	17.07	19.5	0		
16	QPSK	1	74	17.28	17.25	17.31				
16	QPSK	36	0	17.27	17.38	17.29				
16	QPSK	36	20	17.17	17.24	17.12	19.5	0		
16	QPSK	75	0	17.21	17.28	17.20				
16	16QAM	1	0	17.12	17.21	17.28				
16	16QAM	1	37	17.13	17.26	17.18	19.5	0		
16	16QAM	1	74	17.18	17.36	17.10				
16	16QAM	36	0	17.14	17.21	17.18				
16	16QAM	36	20	17.10	17.35	17.23	19.5	0		
16	16QAM	36	50	17.16	17.28	17.14				
16	16QAM	75	0	17.20	17.25	17.20				
16	16QAM	1	0	17.24	17.26	17.16				
16	16QAM	1	37	17.27	17.30	17.07	19.5	0		
16	16QAM	1	74	17.17	17.32	17.08				
16	16QAM	36	0	17.17	17.22	17.08				
16	16QAM	36	20	17.12	17.37	17.12	19.5	0		
16	16QAM	36	50	17.18	17.28	17.11				
16	16QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM	36	20	17.12	17.37	17.12	19.5	0		
16	256QAM	36	50	17.18	17.28	17.11				
16	256QAM	75	0	17.22	17.25	17.16				
16	256QAM	1	0	17.23	17.36	17.15				
16	256QAM	1	37	17.27	17.30	17.07	19.5	0		
16	256QAM	1	74	17.17	17.32	17.08				
16	256QAM	36	0	17.17	17.22	17.08				
16	256QAM									

Band 41 (HPUE_Ant_2)													
RF	Modulation	RB	RB Offset	Power Level Low	Power Level High	Power Level Low	Power Level High	Power Level Low	Power Level High	Power Level Low	Power Level High	Rate (kb/s)	MPE (dB)
Channel													
20	QPSK	1	0	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	50	0	69.94	69.94	69.94	69.94	69.94	69.94	69.94	69.94	23.1	0
20	QPSK	50	64	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	50	24	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	23.1	0
20	QPSK	100	0	69.94	69.94	69.94	69.94	69.94	69.94	69.94	69.94	23.1	0
20	QPSK	100	49	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	23.1	0
20	QPSK	100	24	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	150	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	150	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	150	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	200	0	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	200	49	69.94	69.94	69.94	69.94	69.94	69.94	69.94	69.94	23.1	0
20	QPSK	200	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	250	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	250	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	250	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	300	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	300	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	300	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	350	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	350	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	350	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	400	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	400	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	400	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	450	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	450	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	450	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	500	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	500	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	500	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	550	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	550	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	550	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	600	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	600	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	600	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	650	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	650	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	650	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	700	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	700	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	700	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	750	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	750	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	750	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	800	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	800	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	800	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	850	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	850	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	850	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	900	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	900	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	900	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	950	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	950	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	950	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1000	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1000	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1000	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1050	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1050	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1050	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1100	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1100	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1100	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1150	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1150	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1150	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1200	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1200	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1200	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1250	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1250	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1250	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1300	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1300	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1300	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1350	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1350	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1350	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1400	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1400	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1400	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1450	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1450	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1450	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1500	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1500	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1500	24	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	23.1	0
20	QPSK	1550	0	69.97	69.97	69.97	69.97	69.97	69.97	69.97	69.97	23.1	0
20	QPSK	1550	49	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	23.1	0
20	QPSK	1550	24	69.96	69.96	69.96	69.96	69.96	69.96				

[illegible]

Band 41 (HPUE)_Ant 9														
BS (MHz)	Modulation	BS Rate	BS Offset	Power Low Ch/Freq	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Power High Ch/Freq	Time-up (sec)	MPR (dB)				
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.84	19.58	19.25	20.51	20.20		20.8	0			
20	QPSK	1	48	19.58	19.54	19.51	20.51	20.51						
20	QPSK	1	96	19.58	19.57	19.54	19.57	20.29						
20	QPSK	25	0	19.58	19.47	19.53	19.57	20.25						
20	QPSK	50	24	19.57	19.44	19.41	20.51	20.51		20.8	0			
20	QPSK	50	50	19.57	19.44	19.41	20.51	20.51						
20	QPSK	50	74	19.58	19.58	19.58	20.51	20.51						
20	QPSK	50	96	19.58	19.53	19.53	20.50	20.25						
20	QPSK	100	0	19.58	19.58	19.58	20.51	20.25		20.8	0			
20	QPSK	100	24	19.58	19.58	19.58	20.51	20.25						
20	QPSK	100	48	19.58	19.58	19.58	20.51	20.25						
20	QPSK	100	74	19.58	19.58	19.58	20.51	20.25						
20	QPSK	100	96	19.58	19.58	19.58	20.51	20.25						
20	QPSK	100	0	19.58	19.58	19.58	19.58	19.58						
20	QPSK	100	24	19.58	19.58	19.58	19.58	19.58		20.8	0			
20	QPSK	100	48	19.58	19.58	19.58	19.58	19.58						
20	QPSK	100	74	19.58	19.58	19.58	19.58	19.58						
20	QPSK	100	96	19.58	19.58	19.58	19.58	19.58						
20	QPSK	100	0	19.58	19.49	19.54	20.51	20.25						
20	25QPSK	1	0	19.58	19.49	19.53	20.51	20.25		20.8	0			
20	25QPSK	1	48	19.58	19.53	19.58	19.58	20.29						
20	25QPSK	1	96	19.57	19.57	19.52	20.54	20.29						
20	25QPSK	1	48	19.57	19.57	19.52	20.54	20.29						
20	25QPSK	50	24	19.57	19.57	19.53	19.58	20.25		20.8	0			
20	25QPSK	50	50	19.58	19.58	19.58	20.54	20.25						
20	25QPSK	50	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	50	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	74	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	96	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	0	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100	24	19.57	19.58	19.58	20.54	20.25		20.8	0			
20	25QPSK	100	48	19.57	19.58	19.58	20.54	20.25						
20	25QPSK	100												

Part 27Q_Band 42_Ant 7													
RF Modulation	RF Rate	RF Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Take-up (sec)	MFR (dB)						
Channel													
			42190	42500	42600								
Frequency (MHz)			34610	36200	38000								
20	QPSK	1	0	13.83	13.94	13.51	15.5	0					
20	QPSK	1	49	13.72	13.80	13.60							
20	QPSK	1	99	13.77	13.78	13.77							
20	QPSK	50	0	13.71	13.68	13.51							
20	QPSK	50	24	13.74	13.78	13.78							
20	QPSK	100	0	13.73	13.62	13.76							
20	16QAM	1	0	13.77	13.91	13.87							
20	16QAM	1	49	13.72	13.82	13.78	15.5	0					
20	16QAM	1	99	13.77	13.82	13.81							
20	16QAM	50	0	13.73	13.63	13.76							
20	16QAM	50	24	13.76	13.80	13.80	15.5	0					
20	16QAM	50	50	13.73	13.88	13.77							
20	16QAM	100	0	13.69	13.93	13.76							
20	16QAM	1	49	13.79	13.93	13.82	15.5	0					
20	16QAM	1	99	13.76	13.79	13.73							
20	16QAM	50	0	13.68	13.83	13.74							
20	16QAM	50	24	13.78	13.86	13.89	15.5	0					
20	16QAM	50	50	13.78	13.86	13.81							
20	256QAM	1	0	13.88	13.83	13.74	15.5	0					
20	256QAM	1	49	13.71	13.86	13.88							
20	256QAM	1	99	13.72	13.80	13.82							
20	256QAM	50	0	13.73	13.79	13.79							
20	256QAM	100	0	13.68	13.83	13.77							
Channel													
Frequency (MHz)			42190	42500	42600	Take-up (sec)	MFR (dB)						
			34615	36200	38002.5								
16	QPSK	1	0	13.72	13.79	13.75	15.5	0					
16	QPSK	1	37	13.62	13.73	13.64							
16	QPSK	1	74	13.62	13.63	13.60							
16	QPSK	36	0	13.72	13.78	13.68							
16	QPSK	36	20	13.63	13.61	13.59	15.5	0					
16	QPSK	36	50	13.62	13.67	13.76							
16	QPSK	75	0	13.72	13.77	13.78							
16	16QAM	1	0	13.71	13.83	13.81							
16	16QAM	1	37	13.64	13.77	13.76	15.5	0					
16	16QAM	1	74	13.64	13.77	13.76							
16	16QAM	36	0	13.69	13.80	13.80							
16	16QAM	36	20	13.64	13.78	13.77	15.5	0					
16	16QAM	36	50	13.72	13.78	13.80							
16	16QAM	75	0	13.62	13.68	13.55							
16	16QAM	1	37	13.61	13.69	13.79	15.5	0					
16	16QAM	1	74	13.60	13.62	13.60							
16	16QAM	36	0	13.59	13.78	13.78							
16	16QAM	36	20	13.64	13.65	13.77	15.5	0					
16	16QAM	36	50	13.71	13.60	13.75							
16	16QAM	75	0	13.64	13.68	13.72							
16	16QAM	1	37	13.61	13.76	13.82	15.5	0					
16	16QAM	1	74	13.61	13.78	13.82							
16	16QAM	36	0	13.61	13.76	13.82							
16	16QAM	36	20	13.69	13.60	13.69	15.5	0					
16	16QAM	36	50	13.65	13.74	13.67							
16	16QAM	75	0	13.65	13.64	13.67							
Channel													
Frequency (MHz)			42190	42500	42600	Take-up (sec)	MFR (dB)						
			34620	36200	38007.5								
16	QPSK	1	0	13.72	13.79	13.78	15.5	0					
16	QPSK	1	25	13.64	13.67	13.65							
16	QPSK	1	50	13.64	13.65	13.66							
16	QPSK	25	0	13.68	13.78	13.69							
16	QPSK	25	12	13.61	13.70	13.61	15.5	0					
16	QPSK	25	37	13.69	13.68	13.65							
16	QPSK	50	0	13.65	13.60	13.73							
16	16QAM	1	25	13.70	13.76	13.68	15.5	0					
16	16QAM	1	49	13.67	13.67	13.73							
16	16QAM	25	0	13.61	13.74	13.67							
16	16QAM	25	12	13.78	13.69	13.71	15.5	0					
16	16QAM	25	37	13.64	13.68	13.73							
16	16QAM	50	0	13.64	13.73	13.63							
16	16QAM	1	0	13.64	13.78	13.56	15.5	0					
16	16QAM	1	49	13.55	13.76	13.66							
16	16QAM	25	0	13.60	13.68	13.64							
16	16QAM	25	12	13.61	13.70	13.65	15.5	0					
16	16QAM	25	37	13.60	13.78	13.69							
16	16QAM	50	0	13.54	13.50	13.63							
16	256QAM	1	25	13.65	13.60	13.58	15.5	0					
16	256QAM	1	49	13.67	13.67	13.76							
16	256QAM	25	0	13.63	13.76	13.69							
16	256QAM	25	12	13.71	13.76	13.68	15.5	0					
16	256QAM	25	37	13.62	13.77	13.67							
16	256QAM	50	0	13.53	13.72	13.73							

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RF BW (MHz)	Modulation	RF Rate (kbaud)	RF Offset (MHz)	Power Low (dBm)	Power Mid (dBm)	Power High (dBm)	Ch. Freq (MHz)	Take-up (sec)	MFR (dB)	
Channel										
Frequency (MHz)				43100	43300	43500				
20	QPSK	1	0	13.71	13.53	13.73				
20	QPSK	1	49	13.68	13.70	13.69				15.5
20	QPSK	1	99	13.70	13.77	13.81				
20	QPSK	50	0	13.71	13.60	13.76				
20	QPSK	50	24	13.59	13.72	13.80				15.5
20	QPSK	50	50	13.59	13.72	13.85				
20	16QAM	1	0	13.71	13.82	13.72				
20	16QAM	1	49	13.71	13.81	13.71				
20	16QAM	1	99	13.87	13.87	13.76				15.5
20	16QAM	50	0	13.82	13.82	13.58				
20	16QAM	50	24	13.65	13.74	13.74				15.5
20	16QAM	50	50	13.60	13.74	13.80				
20	16QAM	100	0	13.59	13.74	13.71				
20	16QAM	1	49	13.88	13.84	13.77				15.5
20	16QAM	1	99	13.87	13.78	13.92				
20	16QAM	50	0	13.69	13.86	13.87				
20	16QAM	50	24	13.83	13.73	13.85				15.5
20	16QAM	50	50	13.88	13.88	13.79				
20	256QAM	1	0	13.65	13.85	13.70				15.5
20	256QAM	1	49	13.57	13.76	13.75				
20	256QAM	1	99	13.69	13.79	13.75				
20	256QAM	50	0	13.64	13.77	13.72				15.5
20	256QAM	50	50	13.68	13.68	13.87				
20	256QAM	100	0	13.63	13.77	13.77				
Channel										
Frequency (MHz)				43140 <th>43340<th>43540</th><th></th><th>Take-up (sec)</th><th>MFR (dB)</th><th></th></th>	43340 <th>43540</th> <th></th> <th>Take-up (sec)</th> <th>MFR (dB)</th> <th></th>	43540		Take-up (sec)	MFR (dB)	
				3667.5	3670	3672.5				
16	QPSK	1	0	13.73	13.61	13.79				
16	QPSK	1	25	13.69	13.79	13.81				15.5
16	QPSK	1	50	13.81	13.76	13.84				
16	QPSK	25	0	13.71	13.75	13.72				
16	QPSK	25	12	13.71	13.80	13.82				15.5
16	QPSK	25	37	13.68	13.76	13.80				
16	QPSK	50	0	13.70	13.69	13.74				
16	QPSK	50	12	13.71	13.81	13.87				15.5
16	16QAM	1	25	13.67	13.77	13.80				
16	16QAM	1	49	13.73	13.76	13.73				
16	16QAM	25	0	13.76	13.78	13.87				15.5
16	16QAM	25	12	13.76	13.69	13.75				
16	16QAM	50	0	13.72	13.80	13.87				
16	16QAM	50	12	13.61	13.74	13.84				15.5
16	16QAM	1	0	13.77	13.82	13.84				
16	16QAM	1	25	13.68	13.88	13.80				15.5
16	16QAM	1	49	13.83	13.68	13.89				
16	16QAM	25	0	13.68	13.73	13.77				
16	16QAM	25	12	13.71	13.74	13.84				15.5
16	16QAM	50	0	13.68	13.85	13.88				
16	16QAM	50	12	13.68	13.73	13.82				15.5
16	256QAM	1	0	13.65	13.81	13.84				
16	256QAM	1	25	13.70	13.73	13.80				15.5
16	256QAM	1	50	13.82	13.86	13.72				
16	256QAM	25	0	13.66	13.79	13.65				
16	256QAM	25	12	13.67	13.73	13.82				15.5
16	256QAM	50	0	13.63	13.77	13.77				
16	256QAM	50	0	13.63	13.76	13.69				15.5
Channel										
Frequency (MHz)				3667.5	3670	3672.5		Take-up (sec)	MFR (dB)	
5	QPSK	1	0	13.72	13.84	13.70				
5	QPSK	1	12	13.68	13.79	13.80				15.5
5	QPSK	1	24	13.70	13.80	13.80				
5	QPSK	12	0	13.73	13.84	13.73				
5	QPSK	12	12	13.68	13.79	13.80				15.5
5	QPSK	12	13	13.68	13.68	13.88				
5	QPSK	25	0	13.67	13.76	13.76				
5	16QAM	1	0	13.71	13.77	13.57				
5	16QAM	1	12	13.71	13.69	13.76				15.5
5	16QAM	1	24	13.73	13.80	13.72				
5	16QAM	12	0	13.68	13.73	13.82				
5	16QAM	12	12	13.71	13.69	13.76				15.5
5	16QAM	12	13	13.71	13.71	13.82				
5	16QAM	25	0	13.65	13.81	13.69				
5	16QAM	25	12	13.69	13.80	13.84				15.5
5	16QAM	1	12	13.62	13.69	13.85				
5	16QAM	1	24	13.61	13.73	13.80				15.5
5	256QAM	1	0	13.62	13.81	13.84				
5	256QAM	1	12	13.62	13.74	13.80				15.5
5	256QAM	1	24	13.60	13.69	13.80				
5	256QAM	12	0	13.63	13.82	13.80				
5	256QAM	12	12	13.74	13.81	13.89				15.5
5	256QAM	12	13	13.74	13.68	13.70				

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				22.28	22.35	22.32			
20	PI2 BPSK	1	1	22.28	22.35	22.32	24.0	0.0	
20	PI2 BPSK	1	53	22.25	22.27	22.17			
20	PI2 BPSK	1	104	22.10	22.25	22.20			
20	PI2 BPSK	50	0	21.56	21.70	21.60	23.5	0.5	
20	PI2 BPSK	50	28	22.12	22.17	22.06	24.0	0.0	
20	PI2 BPSK	50	56	21.57	21.60	21.63			
20	PI2 BPSK	100	0	21.58	21.71	21.64	23.5	0.5	
20	QPSK	1	1	22.31	22.36	22.35			
20	QPSK	1	53	22.23	22.31	22.27	24.0	0.0	
20	QPSK	1	104	22.16	22.29	22.24			
20	QPSK	50	0	21.14	21.23	21.15	23.0	1.0	
20	QPSK	50	28	22.13	22.22	22.15	24.0	0.0	
20	QPSK	50	56	21.13	21.18	21.16			
20	QPSK	100	0	21.16	21.22	21.18	23.0	1.0	
20	16QAM	1	1	21.41	21.45	21.37	23.0	1.0	
20	64QAM	1	1	19.52	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.51	17.53	17.50	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.23	22.27	22.29	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.25	22.34	22.31	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.30	22.33	22.29	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				22.13	22.17	22.09			
20	PI2 BPSK	1	1	22.13	22.17	22.09	24.0	0.0	
20	PI2 BPSK	1	53	22.10	22.12	22.06			
20	PI2 BPSK	1	104	22.05	22.12	22.12			
20	PI2 BPSK	50	0	21.50	21.53	21.52	23.5	0.5	
20	PI2 BPSK	50	28	22.04	22.05	22.01	24.0	0.0	
20	PI2 BPSK	50	56	21.51	21.55	21.53			
20	PI2 BPSK	100	0	21.50	21.57	21.52	23.5	0.5	
20	QPSK	1	1	22.10	22.24	22.17			
20	QPSK	1	53	22.09	22.16	22.08	24.0	0.0	
20	QPSK	1	104	22.04	22.18	22.13			
20	QPSK	50	0	21.04	21.08	21.03	23.0	1.0	
20	QPSK	50	28	22.07	22.10	22.05	24.0	0.0	
20	QPSK	50	56	21.03	21.06	21.04			
20	QPSK	100	0	21.04	21.08	21.04	23.0	1.0	
20	16QAM	1	1	21.25	21.28	21.22	23.0	1.0	
20	64QAM	1	1	19.57	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.53	17.54	17.54	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.17	22.18	22.16	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.16	22.15	22.13	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.16	22.17	22.10	24.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50550	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 50800	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				22.47	22.51	22.44			
50	PI2 BPSK	1	1	22.47	22.51	22.44			
50	PI2 BPSK	1	156	22.32	22.35	22.33	24.0	0.0	
50	PI2 BPSK	1	288	22.04	22.09	22.10			
50	PI2 BPSK	136	0	22.02	22.02	21.91	23.5	0.5	
50	PI2 BPSK	136	68	22.22	22.31	22.30	24.0	0.0	
50	PI2 BPSK	136	136	21.74	21.73	21.74			
50	PI2 BPSK	270	0	21.88	21.88	21.79	23.5	0.5	
50	QPSK	1	1	22.51	22.53	22.52			
50	QPSK	1	135	22.41	22.43	22.42	24.0	0.0	
50	QPSK	1	288	22.19	22.19	22.14			
50	QPSK	136	0	21.53	21.56	21.49	23.0	1.0	
50	QPSK	136	68	22.32	22.39	22.37	24.0	0.0	
50	QPSK	136	135	21.25	21.29	21.28			
50	QPSK	270	0	21.28	21.28	21.37	23.0	1.0	
50	16QAM	1	1	21.71	21.76	21.71	23.0	1.0	
50	64QAM	1	1	19.91	19.94	19.93	21.5	2.5	
50	256QAM	1	1	17.80	17.85	17.75	19.5	4.5	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2555			
40	QPSK	1	1	22.43	22.48	22.45	24.0	0.0	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
30	QPSK	1	1	22.42	22.43	22.43	24.0	0.0	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.49	22.46	22.51	24.0	0.0	
Channel				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.41	22.46	22.43	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2601.5	2635	2661.5			
15	QPSK	1	1	22.47	22.45	22.48	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2565			
10	QPSK	1	1	22.49	22.44	22.49	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.45	22.48	22.50	24.0	0.0	

n7_Ant 1(ENDC)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 565000	Power High Ch. 1 Freq. 507000	Power High Ch. 2 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				2525	2535	2545			
50	Pl2 BPSK	1	1	22.02	22.11	22.05	24.0	0.0	
50	Pl2 BPSK	1	135	22.32	22.40	22.43			
50	Pl2 BPSK	1	268	22.22	22.24	22.27			
50	Pl2 BPSK	135	0	21.62	21.67	21.65	23.5	0.5	
50	Pl2 BPSK	135	68	22.09	22.16	22.14	24.0	0.0	
50	Pl2 BPSK	135	135	21.80	21.55	21.52	23.5	0.5	
50	Pl2 BPSK	270	0	21.51	21.67	21.55			
50	QPSK	1	1	22.37	22.45	22.44	24.0	0.0	
50	QPSK	1	135	22.08	22.17	22.13			
50	QPSK	1	268	22.25	22.31	22.30			
50	QPSK	135	0	21.19	21.22	21.21	23.0	1.0	
50	QPSK	135	68	22.16	22.23	22.16	24.0	0.0	
50	QPSK	135	135	21.14	21.15	21.07	23.0	1.0	
50	QPSK	270	0	21.16	21.20	21.11			
50	16QAM	1	1	21.25	21.32	21.26	23.0	1.0	
50	64QAM	1	1	19.58	19.61	19.54	21.5	2.5	
50	256QAM	1	1	17.52	17.62	17.60	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.27	22.41	22.42	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.34	22.35	22.36	24.0	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5 <td>2535</td> <td>2557.5</td> <td colspan="3"></td>	2535	2557.5			
25	QPSK	1	1	22.34	22.41	22.36	24.0	0.0	
Channel				512000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.29	22.40	22.43	24.0	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5 <td>2535</td> <td>2562.5</td> <td colspan="3"></td>	2535	2562.5			
15	QPSK	1	1	22.34	22.43	22.40	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.31	22.43	22.34	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5 <td>2535</td> <td>2567.5</td> <td colspan="3"></td>	2535	2567.5			
5	QPSK	1	1	22.36	22.37	22.34	24.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.39	22.49	22.32	24.0	0.0	
15	Pl2 BPSK	1	40	22.34	22.37	22.35			
15	Pl2 BPSK	1	77	22.38	22.51	22.46			
15	Pl2 BPSK	36	0	21.78	21.86	21.84	23.5	0.5	
15	Pl2 BPSK	36	22	22.23	22.32	22.25	24.0	0.0	
15	Pl2 BPSK	36	43	21.72	21.87	21.77	23.5	0.5	
15	Pl2 BPSK	75	0	21.81	21.91	21.82			
15	QPSK	1	1	22.45	22.52	22.48	24.0	0.0	
15	QPSK	1	40	22.37	22.45	22.38			
15	QPSK	1	77	22.47	22.50	22.40			
15	QPSK	36	0	21.36	21.45	21.37	23.0	1.0	
15	QPSK	36	22	22.30	22.38	22.31	24.0	0.0	
15	QPSK	36	43	21.29	21.38	21.36	23.0	1.0	
15	QPSK	75	0	21.36	21.43	21.34			
15	16QAM	1	1	21.60	21.63	21.61	23.0	1.0	
15	64QAM	1	1	19.77	19.78	19.70	21.5	2.5	
15	256QAM	1	1	17.73	17.75	17.74	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.38	22.45	22.42	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.47	22.51	22.39	24.0	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power High Ch. 1 Freq. 141700	Power High Ch. 2 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.19	22.24	22.23	24.0	0.0	
15	Pl2 BPSK	1	40	22.24	22.23	22.17			
15	Pl2 BPSK	1	77	22.12	22.22	22.14			
15	Pl2 BPSK	36	0	21.58	21.69	21.60	23.5	0.5	
15	Pl2 BPSK	36	22	22.05	22.16	22.07	24.0	0.0	
15	Pl2 BPSK	36	43	21.50	21.58	21.52	23.5	0.5	
15	Pl2 BPSK	75	0	21.51	21.62	21.57			
15	QPSK	1	1	22.25	22.32	22.27	24.0	0.0	
15	QPSK	1	40	22.25	22.28	22.23			
15	QPSK	1	77	22.20	22.26	22.18			
15	QPSK	36	0	21.17	21.23	21.19	23.0	1.0	
15	QPSK	36	22	22.06	22.18	22.10	24.0	0.0	
15	QPSK	36	43	21.08	21.16	21.07	23.0	1.0	
15	QPSK	75	0	21.10	21.20	21.13			
15	16QAM	1	1	21.34	21.43	21.36	23.0	1.0	
15	64QAM	1	1	19.55	19.57	19.52	21.5	2.5	
15	256QAM	1	1	17.52	17.56	17.53	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.19	22.24	22.26	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.20	22.24	22.18	24.0	0.0	

n13_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dbm)	MPR (db)
Channel				762			24.0	0.0
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.39	22.40	22.38	24.0	0.0
10	PQ2 BPSK	1	26	22.18	22.26	22.15		
10	PQ2 BPSK	1	50	22.18	22.20	22.16		
10	PQ2 BPSK	25	0	21.53	21.60	21.57	23.5	0.5
10	PQ2 BPSK	25	14	22.12	22.14	22.06	24.0	0.0
10	PQ2 BPSK	25	27	21.53	21.60	21.56	23.5	0.5
10	PQ2 BPSK	50	0	21.57	21.63	21.52		
10	QPSK	1	1	22.47	22.48	22.43		
10	QPSK	1	26	22.27	22.28	22.24	24.0	0.0
10	QPSK	1	50	22.22	22.23	22.21	23.0	1.0
10	QPSK	25	0	21.13	21.15	21.09		
10	QPSK	25	14	22.13	22.15	22.13		
10	QPSK	25	27	21.08	21.18	21.11	23.0	1.0
10	QPSK	50	0	21.16	21.17	21.08		
10	16QAM	1	1	21.45	21.52	21.47		
10	64QAM	1	1	19.52	19.55	19.50	21.5	2.5
10	256QAM	1	1	17.52	17.54	17.53	19.5	4.5
Channel				779.5 <th>762<th>764.5<th>Tune-up time (dbm)</th><th>MPR (db)</th></th></th>	762 <th>764.5<th>Tune-up time (dbm)</th><th>MPR (db)</th></th>	764.5 <th>Tune-up time (dbm)</th> <th>MPR (db)</th>	Tune-up time (dbm)	MPR (db)
Frequency (MHz)				779.5 <th>762<th>764.5<th>24.0<th>0.0</th></th></th></th>	762 <th>764.5<th>24.0<th>0.0</th></th></th>	764.5 <th>24.0<th>0.0</th></th>	24.0 <th>0.0</th>	0.0
5	QPSK	1	1	22.37	22.45	22.38	24.0	0.0

n13_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel				762			24.0	0.0
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.34	22.37	22.34	24.0	0.0
10	PQ2 BPSK	1	26	22.09	22.18	22.12		
10	PQ2 BPSK	1	50	22.13	22.19	22.17		
10	PQ2 BPSK	25	0	21.59	21.56	21.50	23.5	0.5
10	PQ2 BPSK	25	14	22.00	22.06	22.07	24.0	0.0
10	PQ2 BPSK	25	27	21.58	21.69	21.61	23.5	0.5
10	PQ2 BPSK	50	0	21.58	21.56	21.51		
10	QPSK	1	1	22.47	22.43	22.42		
10	QPSK	1	26	22.15	22.24	22.14	24.0	0.0
10	QPSK	1	50	22.14	22.23	22.18	23.0	1.0
10	QPSK	25	0	21.08	21.14	21.09		
10	QPSK	25	14	22.00	22.10	22.11		
10	QPSK	25	27	21.16	21.21	21.15	23.0	1.0
10	QPSK	50	0	21.10	21.15	21.07		
10	16QAM	1	1	21.47	21.48	21.41		
10	64QAM	1	1	19.54	19.54	19.54	21.5	2.5
10	256QAM	1	1	17.54	17.52	17.54	19.5	4.5
Channel				16690	16490	16690	Tune-up time (dBm)	MPR (dB)
Frequency (MHz)				779.5	762	784.5	24.0	0.0
5	QPSK	1	1	22.40	22.41	22.38	24.0	0.0

n14_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel				793			24.0	0.0
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.13	22.16	22.15	24.0	0.0
10	PQ2 BPSK	1	26	22.14	22.23	22.12		
10	PQ2 BPSK	1	50	22.17	22.28	22.22		
10	PQ2 BPSK	25	0	21.56	21.63	21.54	23.5	0.5
10	PQ2 BPSK	25	14	22.08	22.06	22.02	24.0	0.0
10	PQ2 BPSK	25	27	21.56	21.61	21.58	23.5	0.5
10	PQ2 BPSK	50	0	21.58	21.64	21.55		
10	QPSK	1	1	22.22	22.32	22.28		
10	QPSK	1	26	22.15	22.25	22.15	24.0	0.0
10	QPSK	1	50	22.16	22.22	22.16		
10	QPSK	25	0	21.10	21.18	21.09		
10	QPSK	25	14	22.10	22.14	22.07	24.0	0.0
10	QPSK	25	27	21.12	21.13	21.11	23.0	1.0
10	QPSK	50	0	21.13	21.15	21.11		
10	16QAM	1	1	21.32	21.34	21.33		
10	64QAM	1	1	19.62	19.64	19.55	21.5	2.5
10	256QAM	1	1	17.52	17.60	17.57	19.5	4.5
Channel				16690	16690	16690	Tune-up time (dBm)	MPR (dB)
Frequency (MHz)				790.5 <th>793</th> <th>795.5</th> <th>24.0</th> <th>0.0</th>	793	795.5	24.0	0.0
5	QPSK	1	1	22.08	22.14	22.10	24.0	0.0

n14_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
10	P12 BPSK	1	1	22.14	22.12	22.07	24.0
10	P12 BPSK	1	26	22.16	22.14	22.05	
10	P12 BPSK	1	50	22.27	22.37	22.30	
10	P12 BPSK	25	0	21.57	21.56	21.56	23.5
10	P12 BPSK	25	14	22.09	22.09	22.00	24.0
10	P12 BPSK	25	27	21.56	21.60	21.56	23.5
10	P12 BPSK	50	0	21.50	21.59	21.59	
10	QPSK	1	1	22.32	22.38	22.37	
10	QPSK	1	26	22.20	22.24	22.14	24.0
10	QPSK	1	50	22.16	22.21	22.14	23.0
10	QPSK	25	0	21.09	21.17	21.12	
10	QPSK	25	14	22.08	22.16	22.10	
10	QPSK	25	27	21.13	21.17	21.16	23.0
10	QPSK	50	0	21.10	21.16	21.06	
10	16QAM	1	1	21.23	21.25	21.24	
10	64QAM	1	1	19.52	19.54	19.53	21.5
10	256QAM	1	1	17.56	17.60	17.60	19.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.24	22.37	22.27	24.0

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	22.24	22.28	22.28	24.0
40	P12 BPSK	1	108	22.35	22.44	22.30	
40	P12 BPSK	1	214	22.31	22.32	22.21	
40	P12 BPSK	108	0	21.73	21.77	21.71	23.5
40	P12 BPSK	108	54	22.23	22.22	22.12	24.0
40	P12 BPSK	108	108	21.74	21.71	21.71	23.5
40	P12 BPSK	216	0	21.69	21.73	21.66	
40	QPSK	1	1	22.42	22.46	22.38	
40	QPSK	1	108	22.30	22.36	22.32	24.0
40	QPSK	1	214	22.36	22.40	22.36	23.0
40	QPSK	108	0	21.24	21.32	21.24	
40	QPSK	108	54	22.24	22.28	22.19	
40	QPSK	108	108	21.29	21.31	21.24	23.0
40	QPSK	216	0	21.24	21.27	21.19	
40	16QAM	1	1	21.45	21.50	21.43	
40	64QAM	1	1	19.58	19.60	19.51	21.5
40	256QAM	1	1	17.56	17.66	17.61	19.5
Channel							
Frequency (MHz)							
35	QPSK	1	1	22.32	22.44	22.33	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.40	22.45	22.37	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.38	22.44	22.34	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.37	22.43	22.40	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.41	22.38	22.35	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.35	22.37	22.39	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.36	22.39	22.34	24.0

n25_Ant 9							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	22.26	22.26	22.22	24.0
40	P12 BPSK	1	108	22.35	22.34	22.28	
40	P12 BPSK	1	214	22.41	22.43	22.43	
40	P12 BPSK	108	0	21.59	21.62	21.61	23.5
40	P12 BPSK	108	54	22.16	22.23	22.06	24.0
40	P12 BPSK	108	108	21.65	21.73	21.68	23.5
40	P12 BPSK	216	0	21.61	21.71	21.59	
40	QPSK	1	1	22.46	22.47	22.46	
40	QPSK	1	108	22.34	22.38	22.37	24.0
40	QPSK	1	214	22.36	22.39	22.24	23.0
40	QPSK	108	0	21.12	21.20	21.16	
40	QPSK	108	54	22.19	22.24	22.14	
40	QPSK	108	108	21.18	21.28	21.26	23.0
40	QPSK	216	0	21.13	21.23	21.16	
40	16QAM	1	1	21.31	21.41	21.37	
40	64QAM	1	1	19.54	19.56	19.52	21.5
40	256QAM	1	1	17.53	17.56	17.55	19.5
Channel							
Frequency (MHz)							
35	QPSK	1	1	22.38	22.39	22.40	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.45	22.39	22.41	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.42	22.39	22.44	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.42	22.43	22.36	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.42	22.38	22.38	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.43	22.44	22.37	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.38	22.39	22.36	24.0

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 376500	Power Middle Ch. Freq. 376500	Power High Ch. Freq. 376500	Tune-up limit (dBm)	MPR (dB)	
Channel				1875	1882.5	1885			
Frequency (MHz)									
40	PV2 BPSK	1	1	22.12	22.15	22.09	24.0	0.0	
40	PV2 BPSK	1	108	22.11	22.20	22.19			
40	PV2 BPSK	1	214	22.27	22.28	22.21			
40	PV2 BPSK	108	0	20.97	21.08	21.13	23.5	0.5	
40	PV2 BPSK	108	54	22.07	22.08	22.04	24.0	0.0	
40	PV2 BPSK	108	108	21.11	21.12	21.10	23.5	0.5	
40	PV2 BPSK	216	0	21.07	21.09	21.07			
40	QPSK	1	1	22.31	22.34	22.30			
40	QPSK	1	108	22.18	22.28	22.20	24.0	0.0	
40	QPSK	1	214	22.19	22.23	22.18	23.0	1.0	
40	QPSK	108	0	21.07	21.16	21.15			
40	QPSK	108	54	22.17	22.18	22.08			
40	QPSK	108	108	21.14	21.19	21.12	23.0	1.0	
40	QPSK	216	0	21.14	21.17	21.16	23.0	1.0	
40	16QAM	1	1	21.24	21.32	21.23			
40	64QAM	1	1	19.56	19.50	19.58	21.5	2.5	
40	256QAM	1	1	17.59	17.60	17.55	19.5	4.5	
Channel				375000	376500	378000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1877.5	1882.5	1887.5			
35	QPSK	1	1	22.27	22.26	22.21	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	22.21	22.25	22.20	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1882.5	1882.5	1882.5			
25	QPSK	1	1	22.28	22.27	22.20	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1880	1882.5	1905			
20	QPSK	1	1	22.28	22.30	22.24	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1877.5	1882.5	1907.5			
15	QPSK	1	1	22.28	22.29	22.23	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1895	1882.5	1910			
10	QPSK	1	1	22.26	22.27	22.25	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1882.5	1882.5	1912.5			
5	QPSK	1	1	22.26	22.30	22.21	24.0	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Turn-up limit (dBm)	MPR (dB)	
				Low Ch. Freq. 166800	Middle Ch. Freq. 166500	High Ch. Freq. 167800			
Channel				824	831.5	839			
Frequency (MHz)									
20	PV2 BPSK	1	1	22.12	22.24	22.11	24.0	0.0	
20	PV2 BPSK	1	53	22.23	22.24	22.24			
20	PV2 BPSK	1	104	22.23	22.20	22.21			
20	PV2 BPSK	50	0	21.58	21.57	21.52	23.5	0.5	
20	PV2 BPSK	50	28	22.05	22.14	22.09	24.0	0.0	
20	PV2 BPSK	50	56	21.52	21.58	21.53	23.5	0.5	
20	PV2 BPSK	100	0	21.59	21.56	21.57			
20	QPSK	1	1	22.28	22.37	22.31			
20	QPSK	1	53	22.20	22.28	22.18	24.0	0.0	
20	QPSK	1	104	22.27	22.20	22.28	23.0	1.0	
20	QPSK	50	0	21.09	21.17	21.12			
20	QPSK	50	28	22.08	22.15	22.10			
20	QPSK	50	56	21.05	21.15	21.08	23.0	1.0	
20	QPSK	100	0	21.13	21.16	21.16	23.0	1.0	
20	16QAM	1	1	21.41	21.43	21.35			
20	64QAM	1	1	19.63	19.68	19.58	21.5	2.5	
20	256QAM	1	1	17.59	17.69	17.62	19.5	4.5	
Channel				164300	166500	169800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.22	22.27	22.21	24.0	0.0	
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.27	22.28	22.21	24.0	0.0	
Channel				163300	166500	169800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.26	22.25	22.29	24.0	0.0	

n26(FCC)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800		Power Middle Ch. Freq. 166500		Power High Ch. Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				824	831.5	839				
Frequency (MHz)										
20	PV2 BPSK	1	1	22.37	22.40	22.39	24.0	0.0		
20	PV2 BPSK	1	53	22.41	22.39	22.45				
20	PV2 BPSK	1	104	22.35	22.38	22.32				
20	PV2 BPSK	50	0	21.70	21.74	21.71	23.5	0.5		
20	PV2 BPSK	50	28	22.15	22.30	22.12	24.0	0.0		
20	PV2 BPSK	50	56	21.65	21.77	21.68	23.5	0.5		
20	PV2 BPSK	100	0	21.63	21.79	21.63				
20	QPSK	1	1	22.48	22.51	22.47				
20	QPSK	1	53	22.46	22.48	22.41	24.0	0.0		
20	QPSK	1	104	22.43	22.46	22.42	23.0	1.0		
20	QPSK	50	0	21.28	21.31	21.28				
20	QPSK	50	28	22.02	22.31	22.22				
20	QPSK	50	56	21.22	21.32	21.24	23.0	1.0		
20	QPSK	100	0	21.25	21.36	21.23	23.0	1.0		
20	16QAM	1	1	21.41	21.51	21.45				
20	64QAM	1	1	19.53	19.60	19.52	21.5	2.5		
20	256QAM	1	1	17.59	17.59	17.58	19.5	4.5		
Channel				164300	166500	169300	Tune-up limit (dBm)	MPR		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.38	22.44	22.37	24.0	0.0		
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR		
10	QPSK	1	1	22.46	22.48	22.43	24.0	0.0		
Channel				163300	166500	169800	Tune-up limit (dBm)	MPR		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	22.47	22.48	22.41	24.0	0.0		

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				46000	46000		MPR (dB)
Frequency (MHz)				2310			
10	PQ2 BPSK	1	1	22.25			24.0
10	PQ2 BPSK	1	26	22.28			
10	PQ2 BPSK	1	50	22.28			24.0
10	PQ2 BPSK	25	0	22.28			
10	PQ2 BPSK	25	14	22.07			23.5
10	PQ2 BPSK	25	27	22.22			
10	PQ2 BPSK	50	0	22.24			24.0
10	QPSK	1	1	22.32			
10	QPSK	1	26	22.28			23.0
10	QPSK	1	50	22.31			
10	QPSK	25	0	21.25			24.0
10	QPSK	25	14	22.15			
10	QPSK	25	27	21.26			23.0
10	QPSK	50	0	21.27			
10	16QAM	1	1	21.47			23.0
10	64QAM	1	1	19.59			
10	256QAM	1	1	17.60			19.5
10	Channel			461500	460000	460500	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dB)
5	QPSK	1	1	22.22	22.22	22.23	24.0

n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				46000	46000		MPR (dB)
Frequency (MHz)				2310			
10	PQ2 BPSK	1	1	20.74			22.5
10	PQ2 BPSK	1	26	20.67			
10	PQ2 BPSK	1	50	20.69			22.0
10	PQ2 BPSK	25	0	20.76			
10	PQ2 BPSK	25	14	20.62			22.5
10	PQ2 BPSK	25	27	20.66			
10	PQ2 BPSK	50	0	20.66			22.0
10	QPSK	1	1	20.70			
10	QPSK	1	26	20.71			21.5
10	QPSK	1	50	20.73			
10	QPSK	25	0	20.63			22.5
10	QPSK	25	14	20.75			
10	QPSK	25	27	20.70			21.5
10	QPSK	50	0	20.71			
10	16QAM	1	1	20.63			21.5
10	64QAM	1	1	19.67			
10	256QAM	1	1	17.64			18.0
10	Channel			461500	460000	460500	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dB)
5	QPSK	1	1	20.63	20.64	20.64	22.5

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	346500	346500	MPR (dB)
Frequency (MHz)				1732.5	1745	1757.5	
45	PQ2 BPSK	1	1	22.12	22.08	22.05	24.0
45	PQ2 BPSK	1	122	22.25	22.25	22.23	
45	PQ2 BPSK	1	240	22.25	22.23	22.21	23.5
45	PQ2 BPSK	120	0	21.58	21.56	21.52	
45	PQ2 BPSK	120	60	22.09	22.20	22.06	24.0
45	PQ2 BPSK	120	122	21.50	21.63	21.52	
45	PQ2 BPSK	240	0	21.51	21.63	21.54	23.5
45	QPSK	1	1	22.30	22.34	22.32	
45	QPSK	1	122	22.13	22.17	22.10	24.0
45	QPSK	1	240	22.28	22.31	22.24	
45	QPSK	120	0	21.10	21.12	21.02	23.0
45	QPSK	120	60	22.18	22.21	22.16	
45	QPSK	120	122	21.09	21.18	21.12	23.0
45	QPSK	240	0	21.06	21.17	21.10	
45	16QAM	1	1	21.25	21.30	21.20	23.0
45	64QAM	1	1	19.52	19.53	19.51	
45	256QAM	1	1	17.62	17.67	17.62	19.5
45	Channel			346500	346500	346500	
Frequency (MHz)				1730	1745	1760	Tune-up limit (dB)
40	QPSK	1	1	22.21	22.26	22.31	24.0
Channel				345500	346000	346500	Tune-up limit (dB)
Frequency (MHz)				1727.5	1745	1762.5	24.0
35	QPSK	1	1	22.23	22.28	22.22	24.0
Channel				345000	346000	347000	Tune-up limit (dB)
Frequency (MHz)				1725	1745	1765	24.0
30	QPSK	1	1	22.22	22.33	22.25	24.0
Channel				345500	346500	347500	Tune-up limit (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.0
25	QPSK	1	1	22.20	22.25	22.24	24.0
Channel				344000	345000	346000	Tune-up limit (dB)
Frequency (MHz)				1715	1745	1770	24.0
20	QPSK	1	1	22.23	22.32	22.23	24.0
Channel				345000	346000	347000	Tune-up limit (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.0
15	QPSK	1	1	22.23	22.29	22.21	24.0
Channel				343000	344000	345000	Tune-up limit (dB)
Frequency (MHz)				1715	1745	1775	24.0
10	QPSK	1	1	22.28	22.25	22.27	24.0
Channel				342500	343000	343500	Tune-up limit (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.0
5	QPSK	1	1	22.22	22.26	22.26	24.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1742.5	1745	1757.5			
Frequency (MHz)				22.25	22.38	22.30			
45	PV2 BPSK	1	1	22.34	22.47	22.35	24.0	0.0	
Channel				22.27	22.30	22.37			
45	PV2 BPSK	1	240	21.67	21.78	21.61	23.5	0.5	
45	PV2 BPSK	120	0	22.29	22.28	22.27	24.0	0.0	
45	PV2 BPSK	120	60	21.66	21.76	21.67	23.5	0.5	
45	PV2 BPSK	120	122	21.73	21.74	21.71	23.5	0.5	
45	PV2 BPSK	240	0	22.41	22.42	22.43			
45	QPSK	1	1	22.29	22.39	22.35	24.0	0.0	
45	QPSK	1	240	22.38	22.40	22.39			
45	QPSK	120	0	21.26	21.30	21.21	23.0	1.0	
45	QPSK	120	60	22.30	22.30	22.28	24.0	0.0	
45	QPSK	120	122	21.25	21.31	21.25	23.0	1.0	
45	QPSK	240	0	21.46	21.52	21.42	23.0	1.0	
45	16QAM	1	1	21.44	21.51	21.47	23.0	1.0	
45	64QAM	1	1	19.69	19.72	19.71	21.5	2.5	
45	256QAM	1	1	17.65	17.66	17.56	19.5	4.5	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	22.34	22.47	22.35	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
35	QPSK	1	1	22.40	22.42	22.45	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.34	22.51	22.41	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.34	22.50	22.40	24.0	0.0	
Channel				344000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.42	22.47	22.39	24.0	0.0	
Channel				343500	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.34	22.47	22.41	24.0	0.0	
Channel				343000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.43	22.49	22.37	24.0	0.0	
Channel				342500	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.34	22.44	22.37	24.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1742.5	1745	1757.5			
Frequency (MHz)				22.25	22.38	22.30			
45	PV2 BPSK	1	1	22.35	22.34	22.32	24.0	0.0	
Channel				22.33	22.37	22.32			
45	PV2 BPSK	1	240	21.66	21.81	21.80	23.5	0.5	
45	PV2 BPSK	120	0	22.22	22.25	22.31	24.0	0.0	
45	PV2 BPSK	120	122	21.71	21.73	21.70	23.5	0.5	
45	PV2 BPSK	240	0	21.73	21.79	21.74			
45	QPSK	1	1	22.37	22.44	22.40			
45	QPSK	1	122	22.35	22.39	22.34	24.0	0.0	
45	QPSK	1	240	22.38	22.42	22.37			
45	QPSK	120	0	21.26	21.33	21.32	23.0	1.0	
45	QPSK	120	60	22.25	22.34	22.30	24.0	0.0	
45	QPSK	120	122	21.25	21.32	21.27	23.0	1.0	
45	QPSK	240	0	21.42	21.48	21.41	23.0	1.0	
45	16QAM	1	1	21.42	21.47	21.45	23.0	1.0	
45	64QAM	1	1	19.66	19.61	19.51	21.5	2.5	
45	256QAM	1	1	17.52	17.59	17.55	19.5	4.5	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	22.27	22.36	22.37	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
35	QPSK	1	1	22.32	22.38	22.32	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.28	22.34	22.33	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.35	22.35	22.30	24.0	0.0	
Channel				344000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.27	22.35	22.35	24.0	0.0	
Channel				343500	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.34	22.43	22.39	24.0	0.0	
Channel				343000	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.39	22.38	24.0	0.0	
Channel				342500	345000	345000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.30	22.41	22.33	24.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1702.5					
Frequency (MHz)				22.62					
15	PV2 BPSK	1	1	22.59			24.0	0.0	
Channel				22.59					
15	PV2 BPSK	1	77	22.17			23.5	0.5	
Channel				22.14			24.0	0.0	
15	PV2 BPSK	36	0	22.61			23.5	0.5	
15	PV2 BPSK	36	43	21.85			23.5	0.5	
15	PV2 BPSK	75	0	22.07					
15	QPSK	1	1	22.68			24.0	0.0	
15	QPSK	1	40	22.86					
15	QPSK	1	77	22.27			23.0	1.0	
15	QPSK	36	0	21.74			24.0	0.0	
15	QPSK	36	22	22.64			23.0	1.0	
15	QPSK	36	43	21.42			23.0	1.0	
15	QPSK	75	0	21.58			23.0	1.0	
15	16QAM	1	1	21.58			21.5	2.5	
15	64QAM	1	1	19.97			19.5	4.5	
Channel				345000	345000	341000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.95	22.97	22.87	24.0	0.0	
Channel				335000	340000	341000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.88	22.90	22.85	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	23.13			24.0	0.0
15	PV2 BPSK	1	40	23.10				
15	PV2 BPSK	1	77	22.48				
15	PV2 BPSK	36	0	22.32			23.5	0.5
15	PV2 BPSK	36	22	22.74			24.0	0.0
15	PV2 BPSK	36	43	22.12			23.5	0.5
15	PV2 BPSK	75	0	22.29				
15	QPSK	1	1	23.15				
15	QPSK	1	40	23.13			24.0	0.0
15	QPSK	1	77	22.46			23.0	1.0
15	QPSK	36	0	21.92				
15	QPSK	36	22	22.94				
15	QPSK	36	43	21.83			23.0	1.0
15	QPSK	75	0	21.82				
15	16QAM	1	1	22.15				
15	64QAM	1	1	20.22			21.5	2.5
15	256QAM	1	1	18.26			19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.08	23.09	22.94	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.03	23.05	22.90	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	22.88			24.0	0.0
15	PV2 BPSK	1	40	22.90				
15	PV2 BPSK	1	77	22.24				
15	PV2 BPSK	36	0	22.30			23.5	0.5
15	PV2 BPSK	36	22	22.57			24.0	0.0
15	PV2 BPSK	36	43	21.88			23.5	0.5
15	PV2 BPSK	75	0	22.12				
15	QPSK	1	1	22.98				
15	QPSK	1	40	22.92			24.0	0.0
15	QPSK	1	77	22.32			23.0	1.0
15	QPSK	36	0	21.81				
15	QPSK	36	22	22.67				
15	QPSK	36	43	21.49			23.0	1.0
15	QPSK	75	0	21.71				
15	16QAM	1	1	22.02				
15	64QAM	1	1	20.06			21.5	2.5
15	256QAM	1	1	18.16			19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.86	22.85	22.74	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.85	22.91	22.82	24.0	0.0

n71_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1360.5				
Frequency (MHz)				1360.5				
35	PV2 BPSK	1	1	22.27			24.0	0.0
35	PV2 BPSK	1	80	22.24				
35	PV2 BPSK	1	168	22.25				
35	PV2 BPSK	90	0	21.67			23.5	0.5
35	PV2 BPSK	90	45	22.12			24.0	0.0
35	PV2 BPSK	90	90	21.56			23.5	0.5
35	PV2 BPSK	180	0	21.51				
35	QPSK	1	1	22.32				
35	QPSK	1	80	22.28			24.0	0.0
35	QPSK	1	168	22.31				
35	QPSK	90	0	21.23				
35	QPSK	90	45	22.21			23.0	0.0
35	QPSK	90	90	21.11			23.0	1.0
35	QPSK	180	0	21.06				
35	16QAM	1	1	21.56				
35	64QAM	1	1	19.70			21.5	2.5
35	256QAM	1	1	17.67			19.5	4.5
Channel				135800	136100	136500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	22.22	22.30	22.17	24.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	685.5		
25	QPSK	1	1	22.27	22.22	22.21	24.0	0.0
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	22.26	22.23	22.22	24.0	0.0
Channel				133100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.15	22.23	22.08	24.0	0.0
Channel				133000	136100	136900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	683		
10	QPSK	1	1	22.07	22.20	22.06	24.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				685.5	680.5	685.5		
5	QPSK	1	1	22.13	22.15	22.09	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq 150 100	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					680.5			
Frequency (MHz)					22.28			
35	PI2 BPSK	1	1		22.28		24.0	0.0
35	PI2 BPSK	1	90		22.28			
35	PI2 BPSK	1	186		22.26			
35	PI2 BPSK	90	0		21.73		23.5	0.5
35	PI2 BPSK	90	45		22.18		24.0	0.0
35	PI2 BPSK	90	90		21.70		23.5	0.5
35	PI2 BPSK	180	0		21.77			
35	QPSK	1	1		22.33			
35	QPSK	1	90		22.30		24.0	0.0
35	QPSK	1	186		22.28			
35	QPSK	90	0		21.30		23.0	1.0
35	QPSK	90	45		22.28		24.0	0.0
35	QPSK	90	90		21.29		23.0	1.0
35	QPSK	180	0		21.40			
35	16QAM	1	1		21.48		23.0	1.0
35	64QAM	1	1		19.68		21.5	2.5
35	256QAM	1	1		17.62		19.5	4.5
Channel				135600	136 100	136600	Tune-up limit	MPR
Frequency (MHz)				678	680.5	683	68m	(dB)
30	QPSK	1	1	22.18	22.32	22.22	24.0	0.0
Channel				136 100	136 100	137 100	Tune-up limit	MPR
Frequency (MHz)				675.5	680.5	685.5	68m	(dB)
25	QPSK	1	1	22.28	22.23	22.19	24.0	0.0
Channel				136600	136 100	137600	Tune-up limit	MPR
Frequency (MHz)				673	680.5	688	68m	(dB)
20	QPSK	1	1	22.25	22.28	22.23	24.0	0.0
Channel				133 100	133 100	133 100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	680.5	68m	(dB)
15	QPSK	1	1	22.20	22.22	22.22	24.0	0.0
Channel				133600	136 100	136600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	688	68m	(dB)
10	QPSK	1	1	22.28	22.18	22.32	24.0	0.0
Channel				133 100	136 100	138 100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	695.5	68m	(dB)
5	QPSK	1	1	22.23	22.21	22.30	24.0	0.0

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	519998			
				2580.02	2585	2599.98			
40	Pl/2 BPSK	1	1	22.13	22.14	22.13			
40	Pl/2 BPSK	1	53	22.38	22.37	22.32	24.0		0.0
40	Pl/2 BPSK	1	104	22.26	22.38	22.34			
40	Pl/2 BPSK	50	0	21.75	21.85	21.74	23.5		0.5
40	Pl/2 BPSK	50	28	22.27	22.30	22.36	24.0		0.0
40	Pl/2 BPSK	50	56	21.89	21.94	21.84	23.5		0.5
40	Pl/2 BPSK	100	0	21.80	21.90	21.80			
40	QPSK	1	1	22.41	22.45	22.38			
40	QPSK	1	53	22.14	22.19	22.18	24.0		0.0
40	QPSK	1	104	22.36	22.40	22.36			
40	QPSK	50	0	21.34	21.37	21.33	24.0		0.0
40	QPSK	50	28	22.31	22.40	22.38			
40	QPSK	50	56	21.44	21.46	21.39			
40	QPSK	100	0	21.34	21.42	21.33	23.0		1.0
40	16QAM	1	1	21.41	21.51	21.45	23.0		1.0
40	64QAM	1	1	19.05	19.07	19.04	21.5		2.5
40	256QAM	1	1	17.66	17.65	17.62	19.5		4.5
Channel									
Frequency (MHz)				517002	519000	520998			
				2585.01	2595	2604.99			
30	QPSK	1	1	22.05	22.11	22.14	24.0		0.0
Channel									
Frequency (MHz)				518504	519000	521498			
				2582.52	2595	2607.48			
25	QPSK	1	1	22.07	22.14	22.14	24.0		0.0
Channel									
Frequency (MHz)				518000	519000	522000			
				2580	2595	2610			
20	QPSK	1	1	22.12	22.18	22.09	24.0		0.0
Channel									
Frequency (MHz)				515502	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	22.13	22.11	22.10	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	22.05	22.14	22.10	24.0		0.0

n38_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2580.02	2584	2588.98			
40	P2 BPSK	1	1	22.23	22.24	22.17			
40	P2 BPSK	1	53	22.34	22.36	22.26	24.0	0.0	0.0
40	P2 BPSK	1	104	22.37	22.44	22.38			
40	P2 BPSK	50	0	21.88	21.86	21.80	23.5	0.5	0.5
40	P2 BPSK	50	28	22.34	22.41	22.34	24.0	0.0	0.0
40	P2 BPSK	50	56	21.92	21.97	21.85	23.5	0.5	0.5
40	P2 BPSK	100	0	21.84	21.90	21.83			
40	QPSK	1	1	22.38	22.48	22.41			
40	QPSK	1	53	22.35	22.45	22.35	24.0	0.0	0.0
40	QPSK	1	104	22.27	22.30	22.20			
40	QPSK	50	0	21.40	21.42	21.38	24.0		
40	QPSK	50	28	22.40	22.44	22.40			0.0
40	QPSK	50	56	21.41	21.46	21.43			
40	QPSK	100	0	21.41	21.45	21.44	23.0	1.0	1.0
40	16QAM	1	1	21.50	21.55	21.51	23.0	1.0	1.0
40	64QAM	1	1	19.64	19.73	19.71	21.5	2.5	2.5
40	256QAM	1	1	17.65	17.72	17.64	19.5	4.5	4.5
Channel									
Frequency (MHz)				517002	519000	520998			
				2585.01	2595	2604.99			
30	QPSK	1	1	22.30	22.41	22.39	24.0	0.0	0.0
Channel									
Frequency (MHz)				518004	519000	521498			
				2582.52	2595	2607.48			
25	QPSK	1	1	22.36	22.40	22.37	24.0	0.0	0.0
Channel									
Frequency (MHz)				518000	519000	522000			
				2580	2595	2610			
20	QPSK	1	1	22.32	22.40	22.44	24.0	0.0	0.0
Channel									
Frequency (MHz)				515502	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	22.37	22.45	22.41	24.0	0.0	0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	22.36	22.38	22.43	24.0	0.0	0.0

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2579.02	2584	2589.98			
40	Pl/2 BPSK	1	1	22.23	22.24	22.22			
40	Pl/2 BPSK	1	53	22.09	22.11	22.07	24.0		0.0
40	Pl/2 BPSK	1	104	22.08	22.04	22.03			
40	Pl/2 BPSK	50	0	21.69	21.73	21.67	23.5		0.5
40	Pl/2 BPSK	50	28	22.07	22.02	22.08	24.0		0.0
40	Pl/2 BPSK	50	56	21.54	21.56	21.55	23.5		0.5
40	Pl/2 BPSK	100	0	21.65	21.67	21.65			
40	QPSK	1	1	22.42	22.43	22.41			
40	QPSK	1	53	22.17	22.18	22.11	24.0		0.0
40	QPSK	1	104	22.09	22.05	22.08			
40	QPSK	50	0	21.22	21.27	21.25	24.0		0.0
40	QPSK	50	28	22.06	22.10	22.11			
40	QPSK	50	56	21.06	21.11	21.04			
40	QPSK	100	0	21.20	21.21	21.20	23.0		1.0
40	16QAM	1	1	21.44	21.45	21.39	23.0		1.0
40	64QAM	1	1	19.58	19.65	19.60	21.5		2.5
40	256QAM	1	1	17.53	17.81	17.56	19.5		4.5
Channel									
Frequency (MHz)				517002	519000	520998			
				2585.01	2595	2604.99			
30	QPSK	1	1	22.40	22.37	22.36	24.0		0.0
Channel									
Frequency (MHz)				518504	519000	521498			
				2582.52	2595	2607.48			
25	QPSK	1	1	22.37	22.40	22.33	24.0		0.0
Channel									
Frequency (MHz)				518000	519000	522000			
				2580	2595	2610			
20	QPSK	1	1	22.39	22.40	22.37	24.0		0.0
Channel									
Frequency (MHz)				515502	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	22.35	22.42	22.33	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	22.40	22.39	22.35	24.0		0.0

FCC_n41_Ant 9										
BW (MHz)	Modulation	RB 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	2566.01	2562.99	2560.00				
100	Pi2 BPSK	1	137	22.49	22.57	22.43	24.0	0.0		
100	Pi2 BPSK	1	271	22.40	22.37	22.38				
100	Pi2 BPSK	135	0	21.55	21.58	21.54	23.5	0.5		
100	Pi2 BPSK	135	69	22.40	22.50	22.49	24.0	0.0		
100	Pi2 BPSK	135	138	21.51	21.53	21.52	23.5	0.5		
100	Pi2 BPSK	270	0	21.52	21.55	21.50				
100	QPSK	1	1	22.58	22.67	22.59				
100	QPSK	1	137	22.49	22.53	22.50	24.0	0.0		
100	QPSK	1	271	22.44	22.44	22.38				
100	QPSK	135	0	21.57	21.57	21.57	24.0	0.0		
100	QPSK	135	69	22.44	22.54	22.45				
100	QPSK	135	138	21.35	21.44	21.29				
100	QPSK	270	0	21.52	21.63	21.54	23.0	1.0		
100	16QAM	1	1	21.90	21.65	21.52	23.0	1.0		
100	64QAM	1	1	19.81	19.87	19.84	21.5	2.5		
100	256QAM	1	1	17.83	17.94	17.79	19.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.54	22.59	22.57	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.49	22.66	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.58	22.64	22.49	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.49	22.63	22.56	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.53	22.60	22.50	24.0	0.0		
Channel										
Frequency (MHz)										
45	QPSK	1	1	22.56	22.59	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.54	22.61	22.54	24.0	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	22.49	22.68	22.50	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.50	22.66	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.53	22.57	22.51	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.49	22.61	22.53	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.51	22.68	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.54	22.60	22.54	24.0	0.0		

FCC_n41(HPUe) Ant 9										
BW (MHz)	Modulation	RB 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	25.73	25.74	25.72				
100	Pi2 BPSK	1	137	25.79	25.80	25.71	27.0	0.0		
100	Pi2 BPSK	1	271	25.66	25.67	25.62				
100	Pi2 BPSK	135	0	24.71	24.76	24.75	26.5	0.5		
100	Pi2 BPSK	135	69	25.68	25.75	25.72	27.0	0.0		
100	Pi2 BPSK	135	138	24.52	24.58	24.55	26.5	0.5		
100	Pi2 BPSK	270	0	24.73	24.83	24.73	26.5	0.5		
100	QPSK	1	1	25.70	25.88	25.63				
100	QPSK	1	137	25.77	25.81	25.71	27.0	0.0		
100	QPSK	1	271	25.66	25.68	25.65	27.0	0.0		
100	QPSK	135	0	24.80	24.85	24.80	27.0	0.0		
100	QPSK	135	69	25.71	25.82	25.65	27.0	0.0		
100	QPSK	135	138	24.62	24.65	24.57				
100	QPSK	270	0	24.76	24.85	24.79	26.0	1.0		
100	16QAM	1	1	24.81	24.91	24.82	26.0	1.0		
100	64QAM	1	1	23.02	23.10	23.05	24.5	2.5		
100	256QAM	1	1	21.10	21.16	21.07	22.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	25.74	25.82	25.81	27.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	25.70	25.85	25.81	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	25.73	25.80	25.75	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	25.76	25.85	25.79	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	25.69	25.84	25.81	27.0	0.0		
Channel										
Frequency (MHz)										
45	QPSK	1	1	25.77	25.84	25.78	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	25.72	25.80	25.79	27.0	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	23.71	23.83	23.76	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	25.78	25.81	25.79	27.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	25.70	25.82	25.74	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	25.74	25.79	25.73	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	25.71	25.81	25.78	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	25.70	25.83	25.74	27.0	0.0		

FCC_n41_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)	MFR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	22.66 01	22.62 99	22.60 00				
100	Pi2 BPSK	1	1	22.72	22.72	22.68				
100	Pi2 BPSK	1	137	22.40	22.43	22.31	24.0	0.0		
100	Pi2 BPSK	1	271	21.11	21.08	22.06				
100	Pi2 BPSK	135	0	21.69	21.69	21.68	23.5	0.0		
100	Pi2 BPSK	135	138	22.29	22.40	22.41	24.0	0.0		
100	Pi2 BPSK	132	138	21.26	21.30	21.03	23.5	0.5		
100	Pi2 BPSK	270	0	21.38	21.40	21.35				
100	QPSK	1	1	22.73	22.78	22.71				
100	QPSK	1	137	22.44	22.46	22.43	24.0	0.0		
100	QPSK	135	0	22.15	22.17	22.11				
100	QPSK	135	0	21.87	21.76	21.83				
100	QPSK	135	69	22.42	22.48	22.42	24.0	0.0		
100	QPSK	135	138	21.22	21.21	21.16				
100	QPSK	270	0	21.54	21.52	21.44	23.0	1.0		
100	16QAM	1	1	21.66	21.72	21.70	23.0	2.5		
100	64QAM	1	1	18.93	18.96	19.98	21.5	2.5		
100	256QAM	1	1	17.88	18.01	17.98	19.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.70	22.76	22.68				
90	Channel			507264	518988	529891	Tune-up limit (dBm)	MFR (dB)		
90	QPSK	1	1	22.69	22.72	22.66	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.61 01	22.62 99	22.60 00				
70	QPSK	1	1	22.68	22.73	22.70				
70	Channel			505200	518988	531958	Tune-up limit (dBm)	MFR (dB)		
70	QPSK	1	1	25.26	25.02	26.08	24.0	0.0		
60	QPSK	1	1	22.68	22.69	22.70	24.0	0.0		
60	Channel			507264	518988	529891	Tune-up limit (dBm)	MFR (dB)		
60	QPSK	1	1	22.72	22.77	22.65	24.0	0.0		
60	Channel			503700	518988	533946	Tune-up limit (dBm)	MFR (dB)		
50	QPSK	1	1	22.63	22.69	22.67	24.0	0.0		
50	QPSK	1	1	22.72	22.77	22.65	24.0	0.0		
45	QPSK	1	1	22.69	22.72	22.62	24.0	0.0		
45	Channel			502002	518988	536000	Tune-up limit (dBm)	MFR (dB)		
40	QPSK	1	1	22.61 01	22.62 99	22.60 00				
40	QPSK	1	1	22.72	22.72	22.66	24.0	0.0		
40	Channel			507264	518988	535015	Tune-up limit (dBm)	MFR (dB)		
40	QPSK	1	1	22.69	22.72	22.62	24.0	0.0		
35	QPSK	1	1	22.69	22.75	22.62	24.0	0.0		
35	Channel			502200	518988	534986	Tune-up limit (dBm)	MFR (dB)		
35	QPSK	1	1	22.61	22.69	22.68	24.0	0.0		
30	QPSK	1	1	22.65	22.69	22.68	24.0	0.0		
30	Channel			501702	518988	535600	Tune-up limit (dBm)	MFR (dB)		
25	QPSK	1	1	22.68 51	22.69 39	22.67 55				
25	Channel			5208 51	5292 39	5377 55	Tune-up limit (dBm)	MFR (dB)		
25	QPSK	1	1	22.64	22.74	22.70	24.0	0.0		
25	Channel			501204	518988	535600	Tune-up limit (dBm)	MFR (dB)		
25	QPSK	1	1	22.66	22.76	22.69	24.0	0.0		
20	QPSK	1	1	22.68	22.76	22.63	24.0	0.0		
20	Channel			500900	518988	536000	Tune-up limit (dBm)	MFR (dB)		
15	QPSK	1	1	22.63	22.73	22.68	24.0	0.0		
15	QPSK	1	1	22.66	22.73	22.67	24.0	0.0		
15	Channel			500202	518988	537000	Tune-up limit (dBm)	MFR (dB)		
15	QPSK	1	1	22.69	22.76	22.65	24.0	0.0		
10	QPSK	1	1	22.72	22.76	22.62	24.0	0.0		

FCC_n41(HPUE)_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				5062.02	51898	53000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	25.74	25.82	25.74			
100	P22 BPSK	1	137	25.41	25.44	25.40	27.0	0.0	
100	P22 BPSK	1	271	25.16	25.17	25.08			
100	P22 BPSK	135	0	24.74	24.75	24.74	26.5	0.5	
100	P22 BPSK	135	69	25.37	25.44	25.42	27.0	0.0	
100	P22 BPSK	135	138	24.07	24.17	24.08	26.5	0.5	
100	P22 BPSK	270	0	24.44	24.47	24.42			
100	QPSK	1	1	25.75	25.87	25.75			
100	QPSK	1	137	25.47	25.49	25.48	27.0	0.0	
100	QPSK	1	271	25.17	25.26	25.16			
100	QPSK	135	0	24.77	24.85	24.84	27.0	0.0	
100	QPSK	135	69	25.51	25.52	25.47			
100	QPSK	135	138	24.23	24.27	24.18			
100	QPSK	270	0	24.53	24.54	24.52	26.0	1.0	
100	16QAM	1	1	24.73	24.81	24.79	26.0	1.0	
100	64QAM	1	1	23.00	23.08	23.03	24.5	2.5	
100	256QAM	1	1	21.00	21.08	21.02	22.5	4.5	
Channel				506200	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2547	2592.99	2644.98			
80	QPSK	1	1	25.72	25.80	25.70	27.0	0.0	
Channel				507204	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	25.73	25.78	25.75	27.0	0.0	
Channel				507204	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.71	25.86	25.75	27.0	0.0	
Channel				505000	518988	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2532.02	2592.99	2659.98			
60	QPSK	1	1	25.68	25.75	25.75	27.0	0.0	
Channel				504204	518988	532996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.69	25.83	25.71	27.0	0.0	
Channel				503700	518988	533496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	25.73	25.85	25.78	27.0	0.0	
Channel				503202	518988	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	25.74	25.85	25.74	27.0	0.0	
Channel				502704	518988	534498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.52	2592.99	2672.48			
35	QPSK	1	1	25.77	25.78	25.74	27.0	0.0	
Channel				502200	518988	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.70	25.75	25.74	27.0	0.0	
Channel				501702	518988	535500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	25.77	25.83	25.73	27.0	0.0	
Channel				501204	518988	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.00	2592.99	2679.99			
20	QPSK	1	1	25.76	25.82	25.77	27.0	0.0	
Channel				500700	518988	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	25.71	25.77	25.70	27.0	0.0	
Channel				500202	518988	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	25.69	25.82	25.69	27.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518988	526800			
Frequency (MHz)				2545.01	2592.99	2640			
100	P22 BPSK	1	1	22.49	22.65	22.53			
100	P22 BPSK	1	137	22.42	22.52	22.43	24.0	0.0	
100	P22 BPSK	1	271	22.44	22.48	22.42			
100	P22 BPSK	135	0	21.71	21.70	21.58	23.5	0.0	
100	P22 BPSK	135	69	22.38	22.45	22.50	24.0	0.0	
100	P22 BPSK	135	138	21.29	21.36	21.35	23.5	0.5	
100	P22 BPSK	270	0	21.41	21.51	21.48			
100	QPSK	1	1	22.58	22.71	22.61			
100	QPSK	1	137	22.50	22.58	22.48	24.0	0.0	
100	QPSK	1	271	22.47	22.57	22.52			
100	QPSK	135	0	21.70	21.73	21.67	24.0	0.0	
100	QPSK	135	69	22.50	22.52	22.49			
100	QPSK	135	138	21.25	21.36	21.39			
100	QPSK	270	0	21.53	21.54	21.44	23.0	1.0	
100	16QAM	1	1	21.58	21.62	21.60	23.0	1.0	
100	64QAM	1	1	19.84	19.86	19.79	21.5	2.5	
100	256QAM	1	1	17.79	17.85	17.87	19.5	4.5	
Channel				506100	518988	526900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.56	22.62	22.60	24.0	0.0	
Channel				507204	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.48	22.70	22.52	24.0	0.0	
Channel				506002	518988	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2533.01	2592.99	2655			
70	QPSK	1	1	22.56	22.68	22.55	24.0	0.0	
Channel				505000	518988	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.50	22.69	22.57	24.0	0.0	
Channel				504204	518988	532996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.40	22.63	22.59	24.0	0.0	
Channel				503700	518988	533496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.48	22.61	22.56	24.0	0.0	
Channel				503202	518988	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	22.50	22.61	22.59	24.0	0.0	
Channel				502704	518988	534498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.52	2592.99	2672.48			
35	QPSK	1	1	22.53	22.70	22.55	24.0	0.0	
Channel				502200	518988	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.55	22.61	22.52	24.0	0.0	
Channel				501702	518988	535500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.57	22.69	22.60	24.0	0.0	
Channel				501204	518988	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.00	2592.99	2679.99			
20	QPSK	1	1	22.50	22.63	22.59	24.0	0.0	
Channel				500700	518988	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.52	22.65	22.58	24.0	0.0	
Channel				500202	518988	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2684.98			
10	QPSK	1	1	22.52	22.67	22.57	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI/2 BPSK	1	1	22.33	22.38	22.40	24.0	0.0			
40	PI/2 BPSK	1	53	22.25	22.26	22.29					
40	PI/2 BPSK	1	104	22.20	22.23	22.14					
40	PI/2 BPSK	50	0	21.84	21.59	21.54	23.5	0.5			
40	PI/2 BPSK	50	28	22.21	22.12	22.12	24.0	0.0			
40	PI/2 BPSK	50	56	21.83	21.66	21.65	23.5	0.5			
40	PI/2 BPSK	100	0	21.86	21.60	21.56					
40	QPSK	1	1	22.45	22.45	22.33					
40	QPSK	1	53	22.34	22.33	22.35	24.0	0.0			
40	QPSK	1	104	22.24	22.25	22.24	24.0	0.0			
40	QPSK	50	0	21.22	21.16	21.13					
40	QPSK	50	28	21.16	22.10	22.10					
40	QPSK	50	56	21.23	21.14	21.10	23.0	1.0			
40	QPSK	100	0	21.18	21.19	21.14					
40	16QAM	1	1	21.16	21.12	21.14	23.0	1.0			
40	64QAM	1	1	19.63	19.59	19.60	21.5	2.5			
40	256QAM	1	1	17.72	17.73	17.75	19.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.27	22.39	22.29	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.32	22.38	22.41	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.29	22.44	22.28	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.31	22.42	22.33	24.0	0.0			

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI/2 BPSK	1	1	22.44	22.50	22.44	24.0	0.0			
40	PI/2 BPSK	1	53	22.28	22.47	22.21					
40	PI/2 BPSK	1	104	22.16	22.39	22.27					
40	PI/2 BPSK	50	0	21.76	21.75	21.73	23.5	0.5			
40	PI/2 BPSK	50	28	22.22	22.21	22.18	24.0	0.0			
40	PI/2 BPSK	50	56	21.83	21.88	21.82	23.5	0.5			
40	PI/2 BPSK	100	0	21.67	21.75	21.72					
40	QPSK	1	1	22.46	22.51	22.49					
40	QPSK	1	53	22.33	22.36	22.27	24.0	0.0			
40	QPSK	1	104	22.24	22.30	22.27	24.0	0.0			
40	QPSK	50	0	21.11	21.19	21.15					
40	QPSK	50	28	21.13	22.15	22.10					
40	QPSK	50	56	21.05	21.11	21.10	23.0	1.0			
40	QPSK	100	0	21.11	21.18	21.12					
40	16QAM	1	1	21.21	21.20	21.10	23.0	1.0			
40	64QAM	1	1	19.54	19.53	19.50	21.5	2.5			
40	256QAM	1	1	17.58	17.55	17.60	19.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.36	22.37	22.42	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.33	22.38	22.34	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.34	22.46	22.45	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.43	22.38	22.41	24.0	0.0			

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	22.65	22.77	22.72	24.0	0.0	
40	PI/2 BPSK	1	53	22.47	22.50	22.55			
40	PI/2 BPSK	1	104	22.47	22.87	22.56			
40	PI/2 BPSK	50	0	21.87	22.06	22.00	23.5	0.5	
40	PI/2 BPSK	50	28	22.36	22.59	22.44	24.0	0.0	
40	PI/2 BPSK	50	56	21.89	22.11	22.04	23.5	0.5	
40	PI/2 BPSK	100	0	21.97	22.16	22.04			
40	QPSK	1	1	22.71	22.83	22.76			
40	QPSK	1	53	22.52	22.80	22.64	24.0	0.0	
40	QPSK	1	104	22.53	22.79	22.63	24.0	0.0	
40	QPSK	50	0	21.34	21.56	21.48			
40	QPSK	50	28	21.33	22.55	22.41			
40	QPSK	50	56	21.34	21.82	21.49	23.0	1.0	
40	QPSK	100	0	21.39	21.63	21.48			
40	16QAM	1	1	21.40	21.65	21.55	23.0	1.0	
40	64QAM	1	1	19.64	19.80	19.67	21.5	2.5	
40	256QAM	1	1	17.58	17.80	17.67	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.60	22.73	22.75	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.68	22.84	22.66	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.62	22.82	22.61	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.70	22.80	22.69	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Fwq)	Power-Middle Ch. (Fwq)	Power High Ch. (Fwq)	Time-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3750	3404	3950			
100	QPSK	1	1	22.18	22.26	22.26			
100	PQ2 BPSK	1	1	22.28	22.34	22.71	24.0	0.0	
100	PQ2 BPSK	1	271	22.27	22.33	22.67			
100	PQ2 BPSK	135	0	22.11	22.20	22.19	24.0	0.0	
100	PQ2 BPSK	135	69	22.24	22.23	22.18	24.0	0.0	
100	PQ2 BPSK	135	138	22.30	22.30	22.24	24.0	0.0	
100	PQ2 BPSK	270	0	22.28	22.14	22.24			
100	QPSK	1	1	22.20	22.35	22.30			
100	QPSK	1	137	22.21	22.21	22.18	24.0	0.0	
100	QPSK	1	271	22.19	22.19	22.28			
100	QPSK	135	0	22.07	22.25	22.16			
100	QPSK	135	69	22.21	22.25	22.22	24.0	0.0	
100	QPSK	135	138	22.20	22.16	22.21			
100	QPSK	270	0	22.28	22.14	22.24	24.0	0.0	
100	16QAM	1	1	22.08	22.16	22.30	24.0	0.0	
100	64QAM	1	1	22.21	22.21	22.31	24.0	0.0	
100	256QAM	1	1	21.62	22.03	22.55	22.5	1.5	
Channel									
	Frequency (MHz)			66578	65600	66262	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.65	21.65	21.68			
80	QPSK	1	1	22.22	22.11	22.08	24.0	0.0	
Channel									
	Frequency (MHz)			669334	656000	662686	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	318.81	318.81	318.89			
80	QPSK	1	1	22.06	22.13	22.15	24.0	0.0	
Channel									
	Frequency (MHz)			669000	656000	663000	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	22.31	22.30	22.21	24.0	0.0	
Channel									
	Frequency (MHz)			3730.02	3404	3949.98	Time-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	22.13	22.05	22.08	24.0	0.0	
Channel									
	Frequency (MHz)			664334	656000	663086	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	318.81	318.81	318.89			
50	QPSK	1	1	22.20	22.18	22.13	24.0	0.0	
Channel									
	Frequency (MHz)			668000	656000	664000	Time-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	22.27	22.06	22.06			
Channel									
	Frequency (MHz)			3715.02	3404	3964.98	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.31	22.34	22.10	24.0	0.0	
Channel									
	Frequency (MHz)			664135	656000	664500	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	317.25	318.81	318.75			
Channel									
	Frequency (MHz)				22.08	22.07	22.05	24.0	0.0
25	QPSK	1	1	667334	656000	664686 <td>Time-up limit (dBm)</td> <td>MPR (dB)</td> <td></td>	Time-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)				317.12	318.81	318.89	Time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.12	22.27	22.19	24.0	0.0	
Channel									
	Frequency (MHz)				647168	656000	664832	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3107.52	3404	3972.48			
Channel									
	Frequency (MHz)				22.07	22.11	22.17	24.0	0.0
10	QPSK	1	1	3107.52	3404	3972.48			
Channel									
	Frequency (MHz)				3705	3404	3975	24.0	0.0
10	QPSK	1	1	22.22	22.08	22.21	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)		Turn-up time (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	P2 BPSSK	1	1	3750	3840	3930			
100	P2 BPSSK	1	137	25.11	25.16	25.06			
100	P2 BPSSK	1	137	25.12	25.16	25.14	27.0	0.0	0.0
100	P2 BPSSK	1	271	25.02	25.03	25.06			
100	P2 BPSSK	135	0	24.59	24.59	24.65	28.5	0.0	0.0
100	P2 BPSSK	135	69	25.11	25.10	25.07	27.0	0.0	0.0
100	P2 BPSSK	135	136	25.16	25.16	25.14	28.5	0.5	0.5
100	P2 BPSSK	270	0	24.59	24.50	24.58			
100	QPSK	1	1	25.13	25.17	25.15			
100	QPSK	1	137	25.10	25.08	25.13	27.0	0.0	0.0
100	QPSK	1	271	24.07	24.07	24.09			
100	QPSK	135	0	24.17	24.17	24.12			
100	QPSK	135	69	25.08	25.10	25.09			
100	QPSK	135	138	25.02	25.06	25.09			
100	QPSK	270	0	24.08	24.08	24.04	26.0	1.0	1.0
100	16QAM	1	1	24.27	24.16	24.23	26.0	2.0	2.0
100	64QAM	1	1	22.89	22.81	22.83	24.5	2.5	2.5
100	256QAM	1	1	20.52	20.53	20.52	22.5	4.5	4.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.09	25.07	25.09	Turn-up time (dBm)	MPR (dB)	
90	Channel			640334	650000	660666	270/19.0		
Frequency (MHz)									
80	QPSK	1	1	25.02	25.03	25.01	27.0	0.0	0.0
80	Channel			649000	659600	670300	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	27.35	3840	3945	Turn-up time (dBm)	MPR (dB)	
70	Channel			689000	699000	709000	27.0/0.0		
Frequency (MHz)									
60	QPSK	1	1	25.09	25.01	25.01	27.0	0.0	0.0
60	Channel			648334	650000	660666	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	25.14	25.03	25.07	27.0	0.0	0.0
50	Channel			648000	650000	660400	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	3720	3840	3960	27.0	0.0	0.0
40	Channel			65113	65108	65111	27.0	0.0	0.0
Frequency (MHz)									
30	QPSK	1	1	3715.02	3840	3964.98	Turn-up time (dBm)	MPR (dB)	
30	Channel			65111	65108	65113	27.0	0.0	0.0
Frequency (MHz)									
25	QPSK	1	1	25.11	25.14	25.14	27.0	0.0	0.0
25	Channel			647880	650000	660400	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	3714.5	3840	3967.5	Turn-up time (dBm)	MPR (dB)	
20	Channel			647334	650000	660466	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	3710.01	3840	3969.99	Turn-up time (dBm)	MPR (dB)	
20	Channel			647161	650000	660311	27.0	0.0	0.0
Frequency (MHz)									
15	QPSK	1	1	3707.5	3840	3972.48	Turn-up time (dBm)	MPR (dB)	
15	Channel			650000	650000	650000	27.0	0.0	0.0
Frequency (MHz)									
10	QPSK	1	1	3705	3840	3975	Turn-up time (dBm)	MPR (dB)	
10	Channel			25.07	25.07	25.04	27.0	0.0	0.0

Par27Q_n77_Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Tune-up time (dtim)	MPR (dB)
Channel								
	Frequency (MHz)			635332	636332			
100	P12 BPSK	1	1	22,43	3469,98			
100	P12 BPSK	1	137	22,43		24,0	0,0	
100	P12 BPSK	1	271	22,43				
100	P12 BPSK	135	0	22,40		24,0	0,0	
100	P12 BPSK	135	69	22,44		24,0	0,0	
100	P12 BPSK	135	138	22,44		24,0	0,0	
100	P12 BPSK	270	0	22,37		24,0	0,0	
100	QPSK	1	1	22,48				
100	QPSK	1	137	22,29		24,0	0,0	
100	QPSK	1	271	22,29				
100	QPSK	135	0	22,25		24,0	0,0	
100	QPSK	135	69	22,32		24,0	0,0	
100	QPSK	135	138	22,30		24,0	0,0	
100	QPSK	270	0	22,30		24,0	0,0	
100	16QAM	1	1	22,45		24,0	0,0	
100	64QAM	1	1	22,45		24,0	0,0	
100	256QAM	1	1	20,64		22,5	1,5	
Channel								
	Frequency (MHz)			635500	635500			
				3465	3469,98	3504,99	100,00	MPR (dB)
90	QPSK	1	1	22,38	322,22	34,0	0,0	
Channel								
	Frequency (MHz)			635668	635332	634000	Tune-up (inst dtim)	MPR (dB)
90	QPSK	1	1	22,37	3469,98	24,0	0,0	
Channel								
	Frequency (MHz)			635832	635332	634332	Tune-up (inst dtim)	MPR (dB)
90	QPSK	1	1	22,37	322,22	34,0	0,0	
Channel								
	Frequency (MHz)			635996	635332	635432	Tune-up (inst dtim)	MPR (dB)
70	QPSK	1	1	22,45	3469,98	3514,98	24,0	0,0
Channel								
	Frequency (MHz)			636160	635332	635996	Tune-up (inst dtim)	MPR (dB)
60	QPSK	1	1	22,39	22,31	22,24	24,0	0,0
Channel								
	Frequency (MHz)			631668	635332	635000	Tune-up (inst dtim)	MPR (dB)
40	QPSK	1	1	22,32	22,26	22,30	24,0	0,0
Channel								
	Frequency (MHz)			631000	635332	635566	Tune-up (inst dtim)	MPR (dB)
50	QPSK	1	1	22,29	22,34	22,34	24,0	0,0
Channel								
	Frequency (MHz)			631534	635332	636332	Tune-up (inst dtim)	MPR (dB)
40	QPSK	1	1	22,32	3469,98	3520,98	24,0	0,0
Channel								
	Frequency (MHz)			631000	635332	635566	Tune-up (inst dtim)	MPR (dB)
30	QPSK	1	1	22,29	22,24	22,36	24,0	0,0
Channel								
	Frequency (MHz)			630932	635332	635832	Tune-up (inst dtim)	MPR (dB)
25	QPSK	1	1	22,42	3469,98	3537,48	24,0	0,0
Channel								
	Frequency (MHz)			630668	635332	636000	Tune-up (inst dtim)	MPR (dB)
20	QPSK	1	1	22,42	3469,98	3540,98	24,0	0,0
Channel								
	Frequency (MHz)			630500	635332	636166	Tune-up (inst dtim)	MPR (dB)
15	QPSK	1	1	22,36	22,35	22,40	24,0	0,0
Channel								
	Frequency (MHz)			635500	635332	635566	Tune-up (inst dtim)	MPR (dB)
10	QPSK	1	1	22,37	22,25	22,36	24,0	0,0

Part27Q_n77(HPUe)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	25.18	3699.88		27.0	0.0	
100	P1/2 BPSK	1	137	25.22					
100	P1/2 BPSK	1	271	25.16			26.5	0.5	
100	P1/2 BPSK	135	0	24.71					
100	P1/2 BPSK	135	69	25.14			27.0	0.0	
100	P1/2 BPSK	135	138	25.22			26.5	0.5	
100	P1/2 BPSK	270	0	24.73					
100	QPSK	1	1	25.30			27.0	0.0	
100	QPSK	1	137	25.16					
100	QPSK	1	271	25.15			27.0	0.0	
100	QPSK	135	0	24.42					
100	QPSK	135	69	25.22			27.0	0.0	
100	QPSK	135	138	25.00					
100	QPSK	270	0	24.24			26.0	1.0	
100	16QAM	1	1	24.26			26.0	1.0	
100	64QAM	1	1	22.56			24.5	2.5	
100	256QAM	1	1	20.57			22.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	635000	635332	635666	Tune-up limit (dBm)	MPR (dB)	LCR
80	QPSK	1	1	3465	3469.98	3504.99	27.0	0.0	
80	QPSK	1	1	25.20	25.28	25.23	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	635098	635332	634500	Tune-up limit (dBm)	MPR (dB)	LCR
Channel									
Frequency (MHz)									
80	QPSK	1	1	3465.82	3469.88	3504.99	27.0	0.0	
80	QPSK	1	1	25.18	25.27	25.25	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	634581	635332	634332	Tune-up limit (dBm)	MPR (dB)	LCR
70	QPSK	1	1	25.17	25.20	25.28	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3465.82	3469.88	3504.99	27.0	0.0	
70	QPSK	1	1	25.27	25.18	25.23	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631888	635332	635000	Tune-up limit (dBm)	MPR (dB)	LCR
60	QPSK	1	1	3465.82	3469.88	3504.99	27.0	0.0	
60	QPSK	1	1	25.27	25.18	25.23	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631888	635332	635000	Tune-up limit (dBm)	MPR (dB)	LCR
50	QPSK	1	1	3465.82	3469.88	3504.99	27.0	0.0	
50	QPSK	1	1	25.24	25.27	25.14	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631344	635332	635332	Tune-up limit (dBm)	MPR (dB)	LCR
40	QPSK	1	1	3465.82	3469.88	3504.99	27.0	0.0	
40	QPSK	1	1	25.23	25.19	25.17	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631100	635332	635666	Tune-up limit (dBm)	MPR (dB)	LCR
30	QPSK	1	1	3465	3469.98	3534.99	27.0	0.0	
30	QPSK	1	1	25.28	25.23	25.26	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630534	635332	635832	Tune-up limit (dBm)	MPR (dB)	LCR
25	QPSK	1	1	3462.21	3469.88	3537.48	27.0	0.0	
25	QPSK	1	1	25.25	25.21	25.28	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630668	635332	636000	Tune-up limit (dBm)	MPR (dB)	LCR
25	QPSK	1	1	3462.21	3469.88	3537.48	27.0	0.0	
25	QPSK	1	1	25.24	25.14	25.16	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630500	635332	636166	Tune-up limit (dBm)	MPR (dB)	LCR
15	QPSK	1	1	3457.5	3469.98	3542.49	27.0	0.0	
15	QPSK	1	1	25.20	25.19	25.26	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	635332	636332	Tune-up limit (dBm)	MPR (dB)	LCR
10	QPSK	1	1	3455.51	3469.88	3544.38	27.0	0.0	
10	QPSK	1	1	25.19	25.24	25.23	27.0	0.0	

Part27O_n77_Ant 5									
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)									
100	P1/2 BPSK	1	1	22.45	22.33	22.28	24.0	0.0	
100	P1/2 BPSK	1	137	22.38	22.39	22.39			
100	P1/2 BPSK	1	271	22.36	22.30	22.49	24.0	0.0	
100	P1/2 BPSK	135	0	22.48	22.41	22.44			
100	P1/2 BPSK	135	69	22.29	22.34	22.50	24.0	0.0	
100	P1/2 BPSK	135	138	22.39	22.44	22.32	24.0	0.0	
100	P1/2 BPSK	270	0	22.36	22.53	22.40			
100	QPSK	1	1	22.45	22.54	22.16	24.0	0.0	
100	QPSK	1	137	22.44	22.33	22.47			
100	QPSK	1	271	22.30	22.41	22.31	24.0	0.0	
100	QPSK	135	0	22.43	22.33	22.41			
100	QPSK	135	69	22.40	22.50	22.47	24.0	0.0	
100	QPSK	135	138	22.48	22.35	22.27			
100	QPSK	270	0	22.37	22.43	22.34	24.0	0.0	
100	16QAM	1	1	22.38	22.31	22.36	24.0	0.0	
100	64QAM	1	1	22.28	22.37	22.34	24.0	0.0	
100	256QAM	1	1	20.73	20.59	20.52	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.29	22.22	22.39	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.42	22.36	22.39	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.50	22.33	22.29	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.34	22.53	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.42	22.30	22.47	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.37	22.43	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.33	22.37	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.27	22.38	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.24	22.41	22.25	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.37	22.50	22.30	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.35	22.36	22.33	24.0	0.0	

Part270_n77(HPUe)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	25.28	25.21	25.13	27.0	0.0	
100	P1/2 BPSK	1	137	25.27	25.22	25.25			
100	P1/2 BPSK	1	271	25.08	25.16	25.10	26.5	0.5	
100	P1/2 BPSK	135	0	24.80	24.74	24.79			
100	P1/2 BPSK	135	69	25.24	25.17	25.21	27.0	0.0	
100	P1/2 BPSK	135	138	25.27	25.17	25.17	26.5	0.5	
100	P1/2 BPSK	270	0	24.77	24.75	24.76			
100	QPSK	1	1	25.32	25.35	25.31	27.0	0.0	
100	QPSK	1	137	25.21	25.24	25.29			
100	QPSK	1	271	25.20	25.13	25.06	27.0	0.0	
100	QPSK	135	0	24.28	24.32	24.29			
100	QPSK	135	69	25.24	25.32	25.30	26.0	1.0	
100	QPSK	135	138	25.11	25.01	25.11			
100	QPSK	270	0	24.22	24.30	24.20	26.0	1.0	
100	16QAM	1	1	24.33	24.29	24.42	26.0	1.0	
100	64QAM	1	1	22.65	22.63	22.57	24.5	2.5	
100	256QAM	1	1	20.70	20.68	20.59	22.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.25	25.19	25.32	27.0	0.0	
Channel					646334	656000	665086	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3740.02	3840	3938.80	27.0	0.0
80	QPSK	1	1	25.25	25.21	25.23	27.0	0.0	
Channel					646000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3735	3840	3945	27.0	0.0
70	QPSK	1	1	25.32	25.32	25.26	27.0	0.0	
Channel					646466	656000	665352	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3770.02	3840	3949.98	27.0	0.0
60	QPSK	1	1	25.19	25.33	25.27	27.0	0.0	
Channel					646334	656000	665086	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3761.02	3840	3954.99	27.0	0.0
50	QPSK	1	1	25.32	25.24	25.31	27.0	0.0	
Channel					646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3720	3840	3960	27.0	0.0
40	QPSK	1	1	25.31	25.26	25.28	27.0	0.0	
Channel					647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3715.02	3840	3964.98	27.0	0.0
30	QPSK	1	1	25.20	25.19	25.29	27.0	0.0	
Channel					647500	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3712.50	3840	3967.50	27.0	0.0
25	QPSK	1	1	25.22	25.27	25.28	27.0	0.0	
Channel					647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3709.02	3840	3969.99	27.0	0.0
20	QPSK	1	1	25.24	25.30	25.29	27.0	0.0	
Channel					647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3717.52	3840	3972.48	27.0	0.0
15	QPSK	1	1	25.31	25.32	25.23	27.0	0.0	
Channel					647103	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3705	3840	3975	27.0	0.0
10	QPSK	1	1	25.26	25.20	25.26	27.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	23.64				
100	P12 BPSK	1	137	23.58			24.0	0.0
100	P12 BPSK	1	271	23.56				
100	P12 BPSK	135	0	23.65			24.0	0.0
100	P12 BPSK	135	69	23.69			24.0	0.0
100	P12 BPSK	135	138	23.64			24.0	0.0
100	P12 BPSK	270	0	23.65				
100	QPSK	1	1	23.73				
100	QPSK	1	137	23.57			24.0	0.0
100	QPSK	1	271	23.58				
100	QPSK	135	0	23.64				
100	QPSK	135	69	23.65			24.0	0.0
100	QPSK	135	138	23.59				
100	QPSK	270	0	23.65			24.0	0.0
100	16QAM	1	1	23.58			24.0	0.0
100	16QAM	1	1	23.56			24.0	0.0
100	256QAM	1	1	21.93			22.5	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.51	23.64	23.43	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.62	23.70	23.55	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.51	23.50	23.58	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.48	23.65	23.44	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.44	23.71	23.49	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.59	23.56	23.50	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.55	23.51	23.63	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.52	23.61	23.65	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.52	23.47	23.50	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.60	23.44	23.64	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.54	23.68	23.58	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	26.37				
100	P12 BPSK	1	137	26.36			27.0	0.0
100	P12 BPSK	1	271	26.47				
100	P12 BPSK	135	0	26.50			26.5	0.5
100	P12 BPSK	135	69	26.45			27.0	0.0
100	P12 BPSK	135	138	26.37			26.5	0.5
100	P12 BPSK	270	0	26.50				
100	QPSK	1	1	26.55				
100	QPSK	1	137	26.37			27.0	0.0
100	QPSK	1	271	26.25				
100	QPSK	135	0	26.46			27.0	0.0
100	QPSK	135	69	26.47				
100	QPSK	135	138	26.31				
100	QPSK	270	0	26.50			26.0	1.0
100	16QAM	1	1	26.56			26.0	1.0
100	16QAM	1	1	23.76			24.5	2.5
100	256QAM	1	1	21.86			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.41	26.47	26.45	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.46	26.53	26.45	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.43	26.40	26.48	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.42	26.52	26.52	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.51	26.54	26.44	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.47	26.49	26.43	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.52	26.46	26.52	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.45	26.42	26.45	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.48	26.42	26.40	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.50	26.40	26.49	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.46	26.49	26.42	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	23.00	23.77	23.73		
100	P12 BPSK	1	137	23.01	23.73	23.70	24.0	0.0
100	P12 BPSK	1	271	23.16	23.73	23.67		
100	P12 BPSK	135	0	23.02	23.77	23.63	24.0	0.0
100	P12 BPSK	135	69	23.12	23.80	23.63	24.0	0.0
100	P12 BPSK	135	138	23.14	23.79	23.74	24.0	0.0
100	P12 BPSK	270	0	22.99	23.78	23.66		
100	QPSK	1	1	23.10	23.87	23.82		
100	QPSK	1	137	23.08	23.65	23.76	24.0	0.0
100	QPSK	1	271	22.97	23.75	23.79		
100	QPSK	135	0	22.99	23.68	23.67		
100	QPSK	135	69	23.06	23.77	23.72	24.0	0.0
100	QPSK	135	138	23.04	23.73	23.66		
100	QPSK	270	0	23.10	23.70	23.66	24.0	0.0
100	16QAM	1	1	22.94	23.81	23.79	24.0	0.0
100	16QAM	1	1	22.95	23.67	23.66	24.0	0.0
100	256QAM	1	1	21.38	22.13	21.98	22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.01	23.61	23.69	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.01	23.65	23.70	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.15	23.84	23.54	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.17	23.64	23.74	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.95	23.79	23.73	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.08	23.73	23.66	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.16	23.79	23.64	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.07	23.62	23.65	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.95	23.81	23.74	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.07	23.68	23.77	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.02	23.71	23.62	24.0	0.0

Part270_n77(HPUe)_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	26.15	26.80	26.67			
100	P12 BPSK	1	137	26.02	26.59	26.60	27.0	0.0	
100	P12 BPSK	1	271	26.07	26.77	26.71			
100	P12 BPSK	135	0	26.42	26.04	26.04	26.5	0.5	
100	P12 BPSK	135	69	25.96	26.61	26.68	27.0	0.0	
100	P12 BPSK	135	138	26.04	26.45	26.47			
100	P12 BPSK	270	0	25.80	26.32	26.34	26.5	0.5	
100	QPSK	1	1	26.12	26.88	26.84			
100	QPSK	1	137	26.03	26.70	26.74	27.0	0.0	
100	QPSK	1	271	25.94	26.63	26.54			
100	QPSK	135	0	25.21	25.82	25.91			
100	QPSK	135	69	25.12	26.70	26.71	27.0	0.0	
100	QPSK	135	138	26.04	26.62	26.58			
100	QPSK	270	0	25.11	25.85	25.83	26.0	1.0	
100	16QAM	1	1	25.16	25.93	25.80	26.0	1.0	
100	64QAM	1	1	25.30	26.07	26.10	26.5	2.5	
100	256QAM	1	1	21.41	22.16	22.08	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.12	26.72	26.82	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.14	26.80	26.72	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.17	26.84	26.68	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.17	26.83	26.82	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.15	26.83	26.69	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.15	26.83	26.69	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.17	26.82	26.81	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	26.09	26.75	26.78	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.07	26.86	26.77	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.07	26.84	26.83	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.13	26.83	26.69	27.0	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									
Frequency (MHz)									
100	P12 BPSK	1	1		22.36				
100	P12 BPSK	1	137		22.36		24.0	0.0	
100	P12 BPSK	1	271		22.28				
100	P12 BPSK	135	0		22.39		24.0	0.0	
100	P12 BPSK	135	69		22.33		24.0	0.0	
100	P12 BPSK	135	138		22.39		24.0	0.0	
100	P12 BPSK	270	0		22.26				
100	QPSK	1	1		22.26				
100	QPSK	1	137		22.25		24.0	0.0	
100	QPSK	1	271		22.22				
100	QPSK	135	0		22.35				
100	QPSK	135	69		22.30		24.0	0.0	
100	QPSK	135	138		22.26				
100	QPSK	270	0		22.28		24.0	0.0	
100	16QAM	1	1		22.44		24.0	0.0	
100	64QAM	1	1		22.28		24.0	0.0	
100	256QAM	1	1		20.73		22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632340	633332	634332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR	

Part27Q_n77(HPUe)_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		25.27				
100	P12 BPSK	1	137		25.17		27.0	0.0	
100	P12 BPSK	1	271		25.23				
100	P12 BPSK	135	0		24.61		26.5	0.5	
100	P12 BPSK	135	69		25.12		27.0	0.0	
100	P12 BPSK	135	138		24.68		26.5	0.5	
100	P12 BPSK	270	0		24.67				
100	QPSK	1	1		25.30				
100	QPSK	1	137		25.15		27.0	0.0	
100	QPSK	1	271		25.21				
100	QPSK	135	0		24.29		27.0	0.0	
100	QPSK	135	69		25.25				
100	QPSK	135	138		25.03				
100	QPSK	270	0		24.22		26.0	1.0	
100	16QAM	1	1		24.69		26.0	1.0	
100	64QAM	1	1		22.58		24.5	2.5	
100	256QAM	1	1		20.70		22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632340	633332	634332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631336	633332	635332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631004	633332	635666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630672	633332	636000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630340	633332	636332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
0	QPSK	1	1	630008	633332	636666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-10	QPSK	1	1	629676	633332	637000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-20	QPSK	1	1	629344	633332	637332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-30	QPSK	1	1	629012	633332	637666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-40	QPSK	1	1	628680	633332	638000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-50	QPSK	1	1	628348	633332	638332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-60	QPSK	1	1	628016	633332	638666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-70	QPSK	1	1	627684	633332	639000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-80	QPSK	1	1	627352	633332	639332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-90	QPSK	1	1	627020	633332	639666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-100	QPSK	1	1	626688	633332	640000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-110	QPSK	1	1	626356	633332	640332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-120	QPSK	1	1	626024	633332	640666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-130	QPSK	1	1	625692	633332	641000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-140	QPSK	1	1	625360	633332	641332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-150	QPSK	1	1	625028	633332	641666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-160	QPSK	1	1	624696	633332	642000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-170	QPSK	1	1	624364	633332	642332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-180	QPSK	1	1	624032	633332	642666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-190	QPSK	1	1	623700	633332	643000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-200	QPSK	1	1	623368	633332	643332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-210	QPSK	1	1	623036	633332	643666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-220	QPSK	1	1	622704	633332	644000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-230	QPSK	1	1	622372	633332	644332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-240	QPSK	1	1	622040	633332	644666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-250	QPSK	1	1	621708	633332	645000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-260	QPSK	1	1	621376	633332	645332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-270	QPSK	1	1	621044	633332	645666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-280	QPSK	1	1	620712	633332	646000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-290	QPSK	1	1	620380	633332	646332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-300	QPSK	1	1	620048	633332	646666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-310	QPSK	1	1	619716	633332	647000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-320	QPSK	1	1	619384	633332	647332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-330	QPSK	1	1	619052	633332	647666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-340	QPSK	1	1	618720	633332	648000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-350	QPSK	1	1	618388	633332	648332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-360	QPSK	1	1	618056	633332	648666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-370	QPSK	1	1	617724	633332	649000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-380	QPSK	1	1	617392	633332	649332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-390	QPSK	1	1	617060	633332	649666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-400	QPSK	1	1	616728	633332	650000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-410	QPSK	1	1	616396	633332	650332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-420	QPSK	1	1	616064	633332	650666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-430	QPSK	1	1	615732	633332	651000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-440	QPSK	1	1	615400	633332	651332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-450	QPSK	1	1	615068	633332	651666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-460	QPSK	1	1	614736	633332	652000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-470	QPSK	1	1	614404	633332	652332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-480	QPSK	1	1	614072	633332	652666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-490	QPSK	1	1	613740	633332	653000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-500	QPSK	1	1	613408	633332	653332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-510	QPSK	1	1	613076	633332	653666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-520	QPSK	1	1	612744	633332	654000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-530	QPSK	1	1	612412	633332	654332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-540	QPSK	1	1	612080	633332	654666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-550	QPSK	1	1	611748	633332	655000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-560	QPSK	1	1	611416	633332	655332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-570	QPSK	1	1	611084	633332	655666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-580	QPSK	1	1	610752	633332	656000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-590	QPSK	1	1	610420	633332	656332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-600	QPSK	1	1	610088	633332	656666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-610	QPSK	1	1	609756	633332	657000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-620	QPSK	1	1	609424	633332	657332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-630	QPSK	1	1	609092	633332	657666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-640	QPSK	1	1	608760	633332	658000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-650	QPSK	1	1	608428	633332	658332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-660	QPSK	1	1	608096	633332	658666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-670	QPSK	1	1	607764	633332	659000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-680	QPSK	1	1	607432	633332	659332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-690	QPSK	1	1	607100	633332	659666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-700	QPSK	1	1	606768	633332	660000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-710	QPSK	1	1	606436	633332	660332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-720	QPSK	1	1	606104	633332	660666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-730	QPSK	1	1	605772	633332	661000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-740	QPSK	1	1	605440	633332	661332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-750	QPSK	1	1	605108	633332	661666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-760	QPSK	1	1	604776	633332	662000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-770	QPSK	1	1	604444	633332	662332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-780	QPSK	1	1	604112	633332	662666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-790	QPSK	1	1	603780	633332	663000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-800	QPSK	1	1	603448	633332	663332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-810	QPSK	1	1	603116	633332	663666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-820	QPSK	1	1	602784	633332	664000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-830	QPSK	1	1	602452	633332	664332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-840	QPSK	1	1	602120	633332	664666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-850	QPSK	1	1	6					

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.43	22.20	22.26		
100	PI2 BPSK	1	137	22.45	22.12	22.16	24.0	0.0
100	PI2 BPSK	1	271	22.52	22.10	22.14		
100	PI2 BPSK	135	0	22.57	22.12	22.20	24.0	0.0
100	PI2 BPSK	135	69	22.53	22.20	22.25	24.0	0.0
100	PI2 BPSK	135	138	22.45	22.25	22.29	24.0	0.0
100	PI2 BPSK	270	0	22.65	22.04	22.30		
100	QPSK	1	1	22.70	22.27	22.27		
100	QPSK	1	137	22.62	22.09	22.26	24.0	0.0
100	QPSK	1	271	22.62	22.12	22.25		
100	QPSK	135	0	22.54	22.15	22.07	24.0	0.0
100	QPSK	135	69	22.66	22.22	22.25		
100	QPSK	135	138	22.65	22.22	22.24		
100	QPSK	270	0	22.45	22.15	22.20	24.0	0.0
100	16QAM	1	1	22.61	22.15	22.22	24.0	0.0
100	64QAM	1	1	22.40	22.06	22.21	24.0	0.0
100	256QAM	1	1	20.94	20.96	20.73	22.5	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.55	22.20	22.19	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.48	22.22	22.27	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.49	22.08	22.25	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.42	22.18	22.31	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.39	22.10	22.15	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.56	22.24	22.15	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.55	22.24	22.16	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.43	22.24	22.13	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.54	22.27	22.22	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.45	22.06	22.11	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.53	22.25	22.17	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.42	25.13	25.06		
100	PI2 BPSK	1	137	25.31	25.10	25.04	27.0	0.0
100	PI2 BPSK	1	271	25.40	25.09	25.02		
100	PI2 BPSK	135	0	24.92	24.52	24.63	26.5	0.5
100	PI2 BPSK	135	69	25.38	25.10	25.04	27.0	0.0
100	PI2 BPSK	135	138	24.95	24.57	24.63	26.5	0.5
100	PI2 BPSK	270	0	24.96	24.54	24.55		
100	QPSK	1	1	25.50	25.10	25.15		
100	QPSK	1	137	25.45	25.02	25.12	27.0	0.0
100	QPSK	1	271	25.40	25.06	25.02		
100	QPSK	135	0	24.48	24.38	24.07	27.0	0.0
100	QPSK	135	69	25.45	25.10	25.05		
100	QPSK	135	138	25.16	25.00	25.00		
100	QPSK	270	0	24.48	24.16	24.07	26.0	1.0
100	16QAM	1	1	24.33	24.03	24.10	26.0	1.0
100	64QAM	1	1	22.76	22.55	22.57	24.5	2.5
100	256QAM	1	1	20.87	20.51	20.63	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.47	25.15	25.19	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.34	25.09	25.08	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.37	25.06	25.14	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.30	25.05	25.15	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.30	25.00	25.07	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.47	25.18	25.15	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.42	25.11	25.15	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.36	25.09	25.09	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.38	25.07	25.12	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.44	25.06	25.08	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.37	25.09	25.16	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		22.26			
100	PI2 BPSK	1	137		22.15		24.0	0.0
100	PI2 BPSK	1	271		22.27			
100	PI2 BPSK	135	0		22.28		24.0	0.0
100	PI2 BPSK	135	69		22.22		24.0	0.0
100	PI2 BPSK	135	138		22.20		24.0	0.0
100	PI2 BPSK	270	0		22.18			
100	QPSK	1	1		22.35			
100	QPSK	1	137		22.30		24.0	0.0
100	QPSK	1	271		22.30			
100	QPSK	135	0		22.29		24.0	0.0
100	QPSK	135	69		22.30			
100	QPSK	135	138		22.22			
100	QPSK	270	0		22.21		24.0	0.0
100	16QAM	1	1		22.20		24.0	0.0
100	64QAM	1	1		22.29		24.0	0.0
100	256QAM	1	1		20.52		22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	632998	633332	633666	Tune-up limit (dBm)	MPR (dB)

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	25.13	3750				
100	P1/2 BPSK	1	137	25.08			27.0	0.0	
100	P1/2 BPSK	1	271	25.01					
100	P1/2 BPSK	135	0	24.68			26.5	0.5	
100	P1/2 BPSK	135	69	25.10			27.0	0.0	
100	P1/2 BPSK	135	138	24.74			26.5	0.5	
100	P1/2 BPSK	270	0	24.66					
100	QPSK	1	1	25.20					
100	QPSK	1	137	25.01			27.0	0.0	
100	QPSK	1	271	25.01					
100	QPSK	135	0	24.82					
100	QPSK	135	69	25.16			27.0	0.0	
100	QPSK	135	138	24.14					
100	QPSK	270	0	24.18			26.0	1.0	
100	16QAM	1	1	24.17			26.0	1.0	
100	64QAM	1	1	22.58			24.5	2.5	
100	256QAM	1	1	20.59			22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
90	QPSK	1	1	3745.02	3750	3754.98	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1	3740.01	3750	3769.99	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	648956	650000	651000	Tune-up limit (dBm)	MPR	(dB)
70	QPSK	1	1	3735	3750	3765	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648534	650000	651332	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1	3730.02	3750	3769.98	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648112	650000	651666	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1	3725.01	3750	3774.99	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	647690	650000	652332	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1	3720	3750	3760	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647268	650000	652900	Tune-up limit (dBm)	MPR	(dB)
30	QPSK	1	1	3715.02	3750	3764.98	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	646846	650000	653332	Tune-up limit (dBm)	MPR	(dB)
25	QPSK	1	1	3710.01	3750	3769.99	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	646424	650000	653866	Tune-up limit (dBm)	MPR	(dB)
20	QPSK	1	1	3705.01	3750	3774.99	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	646002	650000	654400	Tune-up limit (dBm)	MPR	(dB)
15	QPSK	1	1	3700.01	3750	3799.99	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	645580	650000	654933	Tune-up limit (dBm)	MPR	(dB)
10	QPSK	1	1	3695	3750	3795	27.0	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)									
100	P1/2 BPSK	1	1	22.28					
100	P1/2 BPSK	1	137	22.24			24.0	0.0	
100	P1/2 BPSK	1	271	22.25					
100	P1/2 BPSK	135	0	22.29			24.0	0.0	
100	P1/2 BPSK	135	69	22.20			24.0	0.0	
100	P1/2 BPSK	135	138	22.32			24.0	0.0	
100	P1/2 BPSK	270	0	22.28					
100	QPSK	1	1	22.34					
100	QPSK	1	137	22.10			24.0	0.0	
100	QPSK	1	271	22.13					
100	QPSK	135	0	22.30			24.0	0.0	
100	QPSK	135	69	22.32					
100	QPSK	135	138	22.20			24.0	0.0	
100	QPSK	270	0	22.28			24.0	0.0	
100	16QAM	1	1	22.20			24.0	0.0	
100	16QAM	1	1	22.14			24.0	0.0	
100	256QAM	1	1	20.54			22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	(dB)
90	QPSK	1	1	3495	3499.98	3504.99	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1	3490.02	3499.98	3510	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.14	22.26	22.19	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.11	22.26	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1	3485.01	3499.98	3514.98	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.25	22.18	22.28	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1	3475.02	3499.98	3525	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.07	22.10	22.31	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1	3470.01	3499.98	3514.98	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.16	22.09	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.22	22.02	22.22	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630834	633332	635832	Tune-up limit (dBm)	MPR	(dB)
25	QPSK	1	1	3462.51	3499.98	3537.48	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.17	22.14	22.21	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR	(dB)
15	QPSK	1	1	3457.5	3499.98	3542.49	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.07	22.12	22.03	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1		23.37			
100	P12 BPSK	1	137		23.41		24.0	0.0
100	P12 BPSK	1	271		23.44			
100	P12 BPSK	135	0		23.46		24.0	0.0
100	P12 BPSK	135	69		23.35		24.0	0.0
100	P12 BPSK	135	138		23.37		24.0	0.0
100	P12 BPSK	270	0		23.46			
100	QPSK	1	1		23.35			
100	QPSK	1	137		23.39		24.0	0.0
100	QPSK	1	271		23.52			
100	QPSK	135	0		23.46			
100	QPSK	135	69		23.45		24.0	0.0
100	QPSK	135	138		23.45			
100	QPSK	270	0		23.51		24.0	0.0
100	16QAM	1	1		23.39		24.0	0.0
100	16QAM	1	1		23.40		24.0	0.0
100	256QAM	1	1		22.11		22.5	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	648968	650000	650332	Tune-up limit (dBm)	MPR
				3743.02	3750	3754.98	(dB)	(dB)
80	QPSK	1	1	23.31	23.40	23.31	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	648934	650000	650066	Tune-up limit (dBm)	MPR
				3740.01	3750	3759.99	(dB)	(dB)
80	QPSK	1	1	23.45	23.38	23.37	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	648950	650000	651000	Tune-up limit (dBm)	MPR
				3735	3750	3765	(dB)	(dB)
70	QPSK	1	1	23.33	23.44	23.39	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648966	650000	651332	Tune-up limit (dBm)	MPR
				3730.02	3750	3769.98	(dB)	(dB)
60	QPSK	1	1	23.37	23.41	23.50	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648934	650000	651666	Tune-up limit (dBm)	MPR
				3725.01	3750	3774.99	(dB)	(dB)
50	QPSK	1	1	23.24	23.31	23.23	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648950	650000	652000	Tune-up limit (dBm)	MPR
				3720	3750	3780	(dB)	(dB)
40	QPSK	1	1	23.32	23.39	23.30	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647950	650000	652500	Tune-up limit (dBm)	MPR
				3712.5	3750	3787.5	(dB)	(dB)
30	QPSK	1	1	23.47	23.33	23.30	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR
				3710.01	3750	3789.99	(dB)	(dB)
25	QPSK	1	1	23.50	23.34	23.32	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR
				3705	3750	3795	(dB)	(dB)
15	QPSK	1	1	23.48	23.48	23.34	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1		26.57			
100	P12 BPSK	1	137		26.36		27.0	0.0
100	P12 BPSK	1	271		26.38			
100	P12 BPSK	135	0		26.10		26.5	0.5
100	P12 BPSK	135	69		26.51		27.0	0.0
100	P12 BPSK	135	138		26.04		26.5	0.5
100	P12 BPSK	270	0		26.06			
100	QPSK	1	1		26.00			
100	QPSK	1	137		26.43		27.0	0.0
100	QPSK	1	271		26.49			
100	QPSK	135	0		26.49			
100	QPSK	135	69		26.50		27.0	0.0
100	QPSK	135	138		25.42			
100	QPSK	270	0		25.61		26.0	1.0
100	16QAM	1	1		25.53		26.0	1.0
100	16QAM	1	1		25.89		24.5	2.5
100	256QAM	1	1		22.02		22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	648668	650000	650332	Tune-up limit (dBm)	MPR
				3743.02	3750	3754.98	(dB)	(dB)
90	QPSK	1	1	26.57	26.54	26.47	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	648634	650000	650066	Tune-up limit (dBm)	MPR
				3740.01	3750	3759.99	(dB)	(dB)
80	QPSK	1	1	26.58	26.58	26.49	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	648600	650000	651000	Tune-up limit (dBm)	MPR
				3730	3750	3765	(dB)	(dB)
70	QPSK	1	1	26.40	26.56	26.48	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648606	650000	651332	Tune-up limit (dBm)	MPR
				3730.02	3750	3769.98	(dB)	(dB)
60	QPSK	1	1	26.46	26.54	26.51	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648534	650000	651666	Tune-up limit (dBm)	MPR
				3725.01	3750	3774.99	(dB)	(dB)
50	QPSK	1	1	26.44	26.40	26.39	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648500	650000	652000	Tune-up limit (dBm)	MPR
				3720	3750	3780	(dB)	(dB)
40	QPSK	1	1	26.46	26.47	26.39	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647950	650000	652500	Tune-up limit (dBm)	MPR
				3712.5	3750	3787.5	(dB)	(dB)
30	QPSK	1	1	26.55	26.53	26.50	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR
				3710.01	3750	3789.99	(dB)	(dB)
25	QPSK	1	1	26.52	26.39	26.45	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR
				3705	3750	3795	(dB)	(dB)
15	QPSK	1	1	26.44	26.54	26.46	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR
				3705	3750	3795	(dB)	(dB)
10	QPSK	1	1	26.58	26.57	26.45	27.0	0.0

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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		22.16			
100	P12 BPSK	1	137		22.25		24.0	0.0
100	P12 BPSK	1	271		22.16			
100	P12 BPSK	135	0		22.13		24.0	0.0
100	P12 BPSK	135	69		22.14		24.0	0.0
100	P12 BPSK	135	138		22.14		24.0	0.0
100	P12 BPSK	270	0		22.21			
100	QPSK	1	1		22.35			
100	QPSK	1	137		22.29		24.0	0.0
100	QPSK	1	271		22.03			
100	QPSK	135	0		22.10			
100	QPSK	135	69		22.14		24.0	0.0
100	QPSK	135	138		22.03			
100	QPSK	270	0		22.07		24.0	0.0
100	16QAM	1	1		22.23		24.0	0.0
100	64QAM	1	1		22.13		24.0	0.0
100	256QAM	1	1		20.51		22.5	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
				3450	3469.98	3504.99		
80	QPSK	1	1	22.11	22.29	22.05	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633666	633332	633000	Tune-up limit (dBm)	MPR (dB)
				3469.98	3450	3425		
80	QPSK	1	1	22.18	22.17	22.13	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
				3445.01	3469.98	3514.98		
70	QPSK	1	1	22.08	22.04	22.24	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
				3480	3469.98	3519.99		
60	QPSK	1	1	22.09	22.25	22.12	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3469.98	3505		
50	QPSK	1	1	22.10	22.18	22.05	24.0	0.0
Channel								
Frequency (MHz)								
48	QPSK	1	1	631334	633332	636332	Tune-up limit (dBm)	MPR (dB)
				3470.01	3469.98	3503.98		
48	QPSK	1	1	22.14	22.12	22.11	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
				3465	3469.98	3534.99		
30	QPSK	1	1	22.08	22.20	22.16	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630666	633332	636000	Tune-up limit (dBm)	MPR (dB)
				3460.51	3469.98	3537.48		
25	QPSK	1	1	22.18	22.15	22.10	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630333	633332	636333	Tune-up limit (dBm)	MPR (dB)
				3455.01	3469.98	3544.88		
20	QPSK	1	1	22.19	22.20	22.15	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR (dB)
				3447.5	3469.98	3542.49		
15	QPSK	1	1	22.17	22.06	22.20	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630333	633332	636333	Tune-up limit (dBm)	MPR (dB)
				3455.01	3469.98	3544.88		
10	QPSK	1	1	22.14	22.20	22.07	24.0	0.0

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 374000	Power Middle Ch. Freq. 376000	Power High Ch. Freq. 378000	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				1870	1880	1880			
40	P2 PSK	1	1	22.18	22.31	22.23			
40	P2 PSK	1	1	22.28	22.31	22.29	24.0	0.0	
40	P2 PSK	1	214	22.29	22.24	22.23			
40	P2 PSK	108	0	21.55	21.66	21.55	23.5	0.5	
40	P2 PSK	108	54	22.11	22.17	22.09	24.0	0.0	
40	P2 PSK	108	108	21.63	21.68	21.63	23.5	0.5	
40	QPSK	1	1	22.62	22.60	22.59			
40	QPSK	1	1	22.34	22.40	22.39			
40	QPSK	1	108	22.23	22.33	22.27	24.0	0.0	
40	QPSK	1	214	22.31	22.34	22.33			
40	QPSK	108	0	21.14	21.23	21.13	23.0	1.0	
40	QPSK	108	54	22.11	22.20	22.10	24.0	0.0	
40	QPSK	108	108	21.22	21.25	21.23			
40	QPSK	216	0	21.21	21.23	21.21	23.0	1.0	
40	16QAM	1	1	21.42	21.48	21.41	23.0	1.0	
40	64QAM	1	1	18.61	18.64	18.63	21.5	2.5	
40	256QAM	1	1	17.54	17.63	17.57	19.5	4.5	
Channel									
Frequency (MHz)									
				1887.5	1880	1892.5			
35	QPSK	1	1	22.18	22.25	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
				373000	376000	379000	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.81	18.84	18.83			
30	QPSK	1	1	22.15	22.30	22.21	24.0	0.0	
Channel									
Frequency (MHz)									
				376500	376000	379500	Time-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.22	22.28	22.24	24.0	0.0	
Channel									
Frequency (MHz)									
				372000	376000	380000	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.60	18.60	18.60			
20	QPSK	1	1	22.19	22.28	22.24	24.0	0.0	
Channel									
Frequency (MHz)									
				371500	376000	380500	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.53	18.60	18.625	24.0	0.0	
15	QPSK	1	1	22.15	22.20	22.20			
Channel									
Frequency (MHz)									
				371000	376000	381000	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.22	22.26	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
				370500	376000	381500	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.17	22.25	22.18	24.0	0.0	

Reduced Power Mode for EC12									
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BW (MHz)	Modulation	RB Size	RB Offset	Power Channel 374000	Power Ch. / Freq 376000	Power Ch. / Freq 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PQ2 BPSK	1	1	16.83	16.91	16.87			
40	PQ2 BPSK	1	108	16.82	16.85	16.87	18.5	0.0	
40	PQ2 BPSK	1	214	16.87	16.91	16.90			
40	PQ2 BPSK	108	0	16.80	16.94	16.89	18.5	0.0	
40	PQ2 BPSK	108	54	16.86	16.90	16.82	18.5	0.0	
40	PQ2 BPSK	108	108	16.79	16.93	16.90	18.5	0.0	
40	PQ2 BPSK	216	0	16.87	16.86	16.82			
Channel									
40	QPSK	1	1	16.89	16.99	16.91			
40	QPSK	1	108	16.87	16.82	16.81	18.5	0.0	
40	QPSK	1	214	16.85	16.90	16.82			
40	QPSK	108	0	16.78	16.83	16.80	18.5	0.0	
40	QPSK	108	54	16.86	16.93	16.84	18.5	0.0	
40	QPSK	108	108	16.87	16.82	16.78			
40	QPSK	216	0	16.89	16.91	16.78	18.5	0.0	
40	16QAM	1	1	16.75	16.87	16.78	18.5	0.0	
40	64QAM	1	1	16.84	16.87	16.78	18.5	0.0	
40	256QAM	1	1	16.87	16.90	16.89	18.5	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	17.950	17.950	17.950	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	108	18.075	18.08	18.055	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	214	16.77	16.90	16.78	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.82	16.90	16.85	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	108	16.82	16.90	16.85	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	214	16.82	16.90	16.85	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.88	16.92	16.89	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.82	16.91	16.88	18.5	0.0	
20	QPSK	1	108	16.87	16.90	16.85	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	214	16.82	16.91	16.88	18.5	0.0	
20	QPSK	1	1	16.85	16.88	16.80	18.5	0.0	
20	QPSK	1	108	16.78	16.88	16.90	18.5	0.0	
20	QPSK	1	214	16.87	16.90	16.85	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.83	16.91	16.80	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	108	16.83	16.91	16.80	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	214	16.83	16.91	16.80	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.85	16.88	16.90	18.5	0.0	
10	QPSK	1	108	16.85	16.88	16.90	18.5	0.0	
10	QPSK	1	214	16.85	16.88	16.90	18.5	0.0	
5	QPSK	1	1	16.88	16.98	16.87	18.5	0.0	

n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Middle [dBm]	Power High [dBm]	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				17400	18800	19800			
40	PV2 BPSK	1	1	15.11	15.22	15.17			
40	PV2 BPSK	1	108	15.21	15.22	15.18	17.0	0.0	
40	PV2 BPSK	1	214	15.12	15.22	15.14			
40	PV2 BPSK	108	0	15.12	15.14	15.18	17.0	0.0	
40	PV2 BPSK	108	54	15.11	15.15	15.04	17.0	0.0	
40	PV2 BPSK	108	108	15.18	15.28	15.07			
40	PV2 BPSK	216	0	15.15	15.24	15.06	17.0	0.0	
40	QPSK	1	1	15.24	15.28	15.19			
40	QPSK	1	108	15.18	15.13	15.10	17.0	0.0	
40	QPSK	1	214	15.10	15.21	15.15			
40	QPSK	108	0	15.05	15.05	15.13	17.0	0.0	
40	QPSK	108	54	15.11	15.20	15.10	17.0	0.0	
40	QPSK	108	108	15.07	15.06	15.11			
40	QPSK	216	0	15.09	15.17	15.13	17.0	0.0	
40	16QAM	1	1	15.17	15.22	15.15	17.0	0.0	
40	64QAM	1	1	15.21	15.23	15.18	17.0	0.0	
40	256QAM	1	1	15.19	15.14	15.06	17.0	0.0	
Channel									
Frequency (MHz)									
				373500	376500	378500	Turn-up time (dBm)	MPR (dB)	
				1867.5	1880	1892.5			
35	QPSK	1	1	15.20	15.15	15.17	17.0	0.0	
Channel									
Frequency (MHz)									
				373000	376000	378000	Turn-up time (dBm)	MPR (dB)	
				1868	1865	1865			
30	QPSK	1	1	15.22	15.25	15.08	17.0	0.0	
Channel									
Frequency (MHz)									
				372500	375500	378500	Turn-up time (dBm)	MPR (dB)	
				1862.5	1880	1897.5			
25	QPSK	1	1	15.21	15.20	15.09	17.0	0.0	
Channel									
Frequency (MHz)									
				372000	375000	378000	Turn-up time (dBm)	MPR (dB)	
				1860	1880	1900			
20	QPSK	1	1	15.19	15.14	15.07	17.0	0.0	
Channel									
Frequency (MHz)									
				371500	374500	380500	Turn-up time (dBm)	MPR (dB)	
				1857.5	1865	1892.5			
15	QPSK	1	1	15.16	15.20	15.05	17.0	0.0	
Channel									
Frequency (MHz)									
				371000	373500	381000	Turn-up time (dBm)	MPR (dB)	
				1855	1860	1905			
10	QPSK	1	1	15.14	15.20	15.09	17.0	0.0	
Channel									
Frequency (MHz)									
				370500	373000	381500	Turn-up time (dBm)	MPR (dB)	
				1852.5	1860	1907.5			
5	QPSK	1	1	15.13	15.23	15.12	17.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16650	Power Middle Ch. Freq. 16750	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.28	22.35	22.32			
20	PI2 BPSK	1	53	22.25	22.27	22.17	24.0	0.0	
20	PI2 BPSK	1	104	22.10	22.25	22.20			
20	PI2 BPSK	50	0	21.56	21.70	21.60	23.5	0.5	
20	PI2 BPSK	50	28	22.12	22.17	22.06	24.0	0.0	
20	PI2 BPSK	50	56	21.57	21.60	21.63			
20	PI2 BPSK	100	0	21.58	21.71	21.64	23.5	0.5	
20	QPSK	1	1	22.33	22.38	22.35			
20	QPSK	1	53	22.23	22.31	22.27	24.0	0.0	
20	QPSK	1	104	22.16	22.29	22.24			
20	QPSK	50	0	21.14	21.23	21.15	23.0	1.0	
20	QPSK	50	28	22.13	22.22	22.15	24.0	0.0	
20	QPSK	50	56	21.13	21.18	21.16			
20	QPSK	100	0	21.16	21.22	21.18	23.0	1.0	
20	16QAM	1	1	21.41	21.45	21.37	23.0	1.0	
20	64QAM	1	1	19.52	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.51	17.53	17.50	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.23	22.27	22.29	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	838.5	844			
10	QPSK	1	1	22.25	22.34	22.31	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.30	22.33	22.29	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16650	Power Middle Ch. Freq. 16750	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	PI2 BPSK	1	1	18.12	18.22	18.16			
20	PI2 BPSK	1	53	18.12	18.17	18.08	20.0	0.0	
20	PI2 BPSK	1	104	18.14	18.19	18.07			
20	PI2 BPSK	50	0	18.18	18.19	18.07	20.0	0.0	
20	PI2 BPSK	50	28	18.09	18.14	18.16	20.0	0.0	
20	PI2 BPSK	50	56	18.19	18.08	18.14			
20	PI2 BPSK	100	0	18.08	18.15	18.03	20.0	0.0	
20	QPSK	1	1	18.22	18.23	18.17			
20	QPSK	1	53	18.12	18.16	18.12	20.0	0.0	
20	QPSK	1	104	18.13	18.09	18.02			
20	QPSK	50	0	18.05	18.09	18.12	20.0	0.0	
20	QPSK	50	28	18.15	18.22	18.13	20.0	0.0	
20	QPSK	50	56	18.13	18.21	18.08			
20	QPSK	100	0	18.11	18.15	18.08	20.0	0.0	
20	16QAM	1	1	18.08	18.15	18.09	20.0	0.0	
20	64QAM	1	1	18.16	18.19	18.13	20.0	0.0	
20	256QAM	1	1	17.53	17.54	17.54	19.5	0.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	18.19	18.20	18.06	20.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	838.5	844			
10	QPSK	1	1	18.19	18.08	18.15	20.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	18.21	18.12	18.06	20.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50550	Power Middle Ch. Freq. 50750	Power High Ch. Freq. 50800	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)									
50	PI2 BPSK	1	1	22.47	22.51	22.44			
50	PI2 BPSK	1	156	22.32	22.35	22.33	24.0	0.0	
50	PI2 BPSK	1	288	22.04	22.09	22.10			
50	PI2 BPSK	136	0	22.02	22.02	21.91	23.5	0.5	
50	PI2 BPSK	136	68	22.22	22.31	22.30	24.0	0.0	
50	PI2 BPSK	136	136	21.74	21.73	21.74			
50	PI2 BPSK	270	0	21.88	21.88	21.79	23.5	0.5	
50	QPSK	1	1	22.51	22.53	22.52			
50	QPSK	1	135	22.41	22.43	22.42	24.0	0.0	
50	QPSK	1	288	22.19	22.19	22.14			
50	QPSK	136	0	21.53	21.58	21.49	23.0	1.0	
50	QPSK	136	68	22.32	22.39	22.37	24.0	0.0	
50	QPSK	136	135	21.25	21.29	21.28			
50	QPSK	270	0	21.28	21.40	21.37	23.0	1.0	
50	16QAM	1	1	21.71	21.76	21.71	23.0	1.0	
50	64QAM	1	1	19.91	19.94	19.93	21.5	2.5	
50	256QAM	1	1	17.80	17.85	17.75	19.5	4.5	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2555			
40	QPSK	1	1	22.43	22.48	22.45	24.0	0.0	
Channel				50300	50700	51300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.42	22.43	22.43	24.0	0.0	
Channel				50250	50700	51300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.49	22.46	22.51	24.0	0.0	
Channel				50150	50700	51500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.41	22.46	22.43	24.0	0.0	
Channel				50150	50700	51500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.47	22.45	22.48	24.0	0.0	
Channel				50100	50700	51300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.49	22.44	22.49	24.0	0.0	
Channel				50050	50700	51500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.45	22.48	22.50	24.0	0.0	

n7_Ant 1(ENDC)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 565000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)									
50	Pl2 BPSK	1	1	12.74	12.96	12.80	14.5	0.0	
50	Pl2 BPSK	1	135	12.77	12.98	12.93			
50	Pl2 BPSK	1	268	12.68	12.90	12.91			
50	Pl2 BPSK	135	0	12.72	12.92	12.83	14.5	0.0	
50	Pl2 BPSK	135	68	12.69	12.94	12.88	14.5	0.0	
50	Pl2 BPSK	135	135	12.76	12.98	12.92	14.5	0.0	
50	Pl2 BPSK	270	0	12.74	12.91	12.81			
50	QPSK	1	1	12.85	13.00	12.95	14.5	0.0	
50	QPSK	1	135	12.88	12.86	12.85			
50	QPSK	1	268	12.79	12.91	12.94			
50	QPSK	135	0	12.86	12.88	12.83	14.5	0.0	
50	QPSK	135	68	12.77	12.94	12.91	14.5	0.0	
50	QPSK	135	135	12.88	12.87	12.81	14.5	0.0	
50	QPSK	270	0	12.74	12.82	12.85			
50	16QAM	1	1	12.68	12.99	12.92	14.5	0.0	
50	64QAM	1	1	12.74	12.89	12.90	14.5	0.0	
50	256QAM	1	1	12.75	12.97	12.83	14.5	0.0	
Channel				509000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	12.78	12.91	12.93	14.5	0.0	
Channel				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	12.70	12.97	12.85	14.5	0.0	
Channel				509000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	14.5	0.0	
25	QPSK	1	1	12.78	12.96	12.84			
Channel				512000	510000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	12.81	12.86	12.85	14.5	0.0	
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2567.5	2535	2562.5			
15	QPSK	1	1	12.67	12.90	12.93	14.5	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	12.79	12.93	12.82	14.5	0.0	
Channel				509000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.5	2535	2567.5			
5	QPSK	1	1	12.72	12.97	12.89	14.5	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.39	22.49	22.32	24.0	0.0	
15	Pl2 BPSK	1	40	22.34	22.37	22.35			
15	Pl2 BPSK	1	77	22.38	22.51	22.46			
15	Pl2 BPSK	36	0	21.78	21.86	21.84	23.5	0.5	
15	Pl2 BPSK	36	22	22.23	22.32	22.25	24.0	0.0	
15	Pl2 BPSK	36	43	21.72	21.87	21.77	23.5	0.5	
15	Pl2 BPSK	75	0	21.81	21.91	21.82			
15	QPSK	1	1	22.45	22.52	22.48	24.0	0.0	
15	QPSK	1	40	22.37	22.45	22.38			
15	QPSK	1	77	22.47	22.50	22.49			
15	QPSK	36	0	21.36	21.45	21.37	23.0	1.0	
15	QPSK	36	22	22.30	22.38	22.31	24.0	0.0	
15	QPSK	36	43	21.29	21.38	21.35	23.0	1.0	
15	QPSK	75	0	21.36	21.43	21.34	23.0	1.0	
15	16QAM	1	1	21.80	21.83	21.81	23.0	1.0	
15	64QAM	1	1	19.77	19.78	19.70	21.5	2.5	
15	256QAM	1	1	17.73	17.75	17.74	19.5	4.5	
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.38	22.45	22.42	24.0	0.0	
Channel				140900	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.47	22.51	22.39	24.0	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	20.69	20.80	20.67	22.5	0.0	
15	Pl2 BPSK	1	40	20.65	20.69	20.69			
15	Pl2 BPSK	1	77	20.69	20.71	20.66			
15	Pl2 BPSK	36	0	20.68	20.73	20.67	22.5	0.0	
15	Pl2 BPSK	36	22	20.60	20.81	20.61	22.5	0.0	
15	Pl2 BPSK	36	43	20.67	20.68	20.66	22.5	0.0	
15	Pl2 BPSK	75	0	20.57	20.81	20.72			
15	QPSK	1	1	20.71	20.83	20.75	22.5	0.0	
15	QPSK	1	40	20.69	20.74	20.68			
15	QPSK	1	77	20.62	20.81	20.72			
15	QPSK	36	0	20.65	20.72	20.68	22.5	0.0	
15	QPSK	36	22	20.70	20.79	20.69	22.5	0.0	
15	QPSK	36	43	20.63	20.74	20.58	22.5	0.0	
15	QPSK	75	0	20.67	20.74	20.67			
15	16QAM	1	1	20.57	20.74	20.68	22.5	0.0	
15	64QAM	1	1	19.55	19.57	19.52	21.5	1.0	
15	256QAM	1	1	17.52	17.56	17.53	19.5	3.0	
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	20.69	20.80	20.72	22.5	0.0	
Channel				140900	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	20.65	20.82	20.69	22.5	0.0	

n13_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				156400	156400		
Frequency (MHz)				762			
10	PQ2 BPSK	1	1	22.39	22.40	22.38	
10	PQ2 BPSK	1	26	22.18	22.26	22.15	24.0
10	PQ2 BPSK	1	50	22.18	22.20	22.16	
10	PQ2 BPSK	25	0	21.53	21.60	21.57	23.5
10	PQ2 BPSK	25	14	22.12	22.14	22.06	24.0
10	PQ2 BPSK	25	27	21.53	21.60	21.52	0.0
10	PQ2 BPSK	50	0	21.57	21.63	21.52	23.5
10	QPSK	1	1	22.47	22.48	22.43	
10	QPSK	1	26	22.27	22.28	22.24	24.0
10	QPSK	1	50	22.22	22.23	22.21	
10	QPSK	25	0	21.13	21.15	21.09	23.0
10	QPSK	25	14	22.13	22.15	22.13	24.0
10	QPSK	25	27	21.08	21.18	21.11	
10	QPSK	50	0	21.16	21.17	21.08	23.0
10	16QAM	1	1	21.45	21.52	21.47	23.0
10	64QAM	1	1	19.52	19.55	19.50	21.5
10	256QAM	1	1	17.52	17.54	17.53	19.5
Channel				156500	156500		
Frequency (MHz)				759.5 <th>762</th> <th>764.5</th> <th></th>	762	764.5	
5	QPSK	1	1	22.37	22.45	22.38	24.0

n13_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				156400			
Frequency (MHz)				762			
10	PQ2 BPSK	1	1	19.28	19.33	19.32	
10	PQ2 BPSK	1	26	19.25	19.33	19.31	21.0
10	PQ2 BPSK	1	50	19.23	19.42	19.36	
10	PQ2 BPSK	25	0	19.22	19.32	19.40	21.0
10	PQ2 BPSK	25	14	19.19	19.36	19.39	21.0
10	PQ2 BPSK	25	27	19.21	19.36	19.37	
10	PQ2 BPSK	50	0	19.30	19.31	19.36	21.0
10	QPSK	1	1	19.34	19.44	19.43	
10	QPSK	1	26	19.20	19.29	19.29	21.0
10	QPSK	1	50	19.30	19.40	19.39	
10	QPSK	25	0	19.20	19.26	19.32	21.0
10	QPSK	25	14	19.07	19.39	19.37	21.0
10	QPSK	25	27	19.23	19.31	19.33	
10	QPSK	50	0	19.19	19.37	19.32	21.0
10	16QAM	1	1	19.20	19.30	19.43	21.0
10	64QAM	1	1	19.32	19.43	19.37	21.0
10	256QAM	1	1	17.54	17.52	17.54	19.5
Channel				156500	156500		
Frequency (MHz)				779.5	762	764.5	
5	QPSK	1	1	19.30	19.41	19.31	21.0

n14_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on time (dBm)
Channel				793			
Frequency (MHz)				793			
10	PQ2 BPSK	1	1	22.13	22.16	22.15	
10	PQ2 BPSK	1	26	22.14	22.23	22.12	24.0
10	PQ2 BPSK	1	50	22.17	22.27	22.22	
10	PQ2 BPSK	25	0	21.56	21.63	21.54	23.5
10	PQ2 BPSK	25	14	22.08	22.06	22.02	24.0
10	PQ2 BPSK	25	27	21.56	21.61	21.58	
10	PQ2 BPSK	50	0	21.58	21.64	21.55	23.5
10	QPSK	1	1	22.22	22.32	22.28	
10	QPSK	1	26	22.15	22.25	22.15	24.0
10	QPSK	1	50	22.16	22.22	22.16	
10	QPSK	25	0	21.10	21.18	21.09	23.0
10	QPSK	25	14	22.10	22.14	22.07	24.0
10	QPSK	25	27	21.12	21.13	21.11	
10	QPSK	50	0	21.13	21.15	21.11	23.0
10	16QAM	1	1	21.32	21.34	21.33	23.0
10	64QAM	1	1	19.62	19.64	19.55	21.5
10	256QAM	1	1	17.52	17.60	17.57	19.5
Channel				790.5	793	795.5	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	1	22.08	22.14	22.10	24.0

n14_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				19.67	19.83	19.80	
Frequency (MHz)				793			
10	P12 BPSK	1	1	19.67	19.83	19.80	21.5
10	P12 BPSK	1	26	19.73	19.78	19.79	21.5
10	P12 BPSK	1	50	19.69	19.79	19.73	21.5
10	P12 BPSK	25	0	19.61	19.76	19.82	21.5
10	P12 BPSK	25	14	19.73	19.80	19.78	21.5
10	P12 BPSK	25	27	19.71	19.76	19.75	21.5
10	P12 BPSK	50	0	19.72	19.83	19.82	21.5
10	QPSK	1	1	19.74	19.80	19.81	21.5
10	QPSK	1	26	19.60	19.74	19.73	21.5
10	QPSK	1	50	19.64	19.77	19.83	21.5
10	QPSK	25	0	19.68	19.75	19.79	21.5
10	QPSK	25	14	19.71	19.83	19.82	21.5
10	QPSK	25	27	19.64	19.80	19.75	21.5
10	QPSK	50	0	19.64	19.75	19.74	21.5
10	16QAM	1	1	19.64	19.80	19.70	21.5
10	64QAM	1	1	19.71	19.87	19.70	21.5
10	256QAM	1	1	17.56	17.60	17.60	19.5
Channel				19.67	19.80	19.80	
Frequency (MHz)				793	793	793.5	
5	QPSK	1	1	19.66	19.83	19.77	21.5

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				1870	1882.5	1885	
Frequency (MHz)				22.24	22.28	22.28	
40	P12 BPSK	1	1	22.24	22.28	22.28	24.0
40	P12 BPSK	1	108	22.35	22.44	22.30	24.0
40	P12 BPSK	1	214	22.31	22.32	22.21	24.0
40	P12 BPSK	108	0	21.73	21.77	21.71	23.5
40	P12 BPSK	108	54	22.23	22.22	22.12	24.0
40	P12 BPSK	108	108	21.74	21.71	21.71	23.5
40	P12 BPSK	216	0	21.69	21.73	21.68	23.5
40	QPSK	1	1	22.42	22.40	22.38	24.0
40	QPSK	1	108	22.30	22.36	22.32	24.0
40	QPSK	1	214	22.38	22.40	22.38	24.0
40	QPSK	108	0	21.24	21.32	21.24	23.0
40	QPSK	108	54	22.24	22.28	22.19	24.0
40	QPSK	108	108	21.29	21.31	21.24	23.0
40	QPSK	216	0	21.24	21.27	21.19	23.0
40	16QAM	1	1	21.45	21.50	21.43	23.0
40	64QAM	1	1	19.58	19.60	19.51	21.5
40	256QAM	1	1	17.56	17.66	17.61	19.5
Channel				37650	37650	37650	
Frequency (MHz)				1862.5	1862.5	1862.5	
35	QPSK	1	1	22.32	22.44	22.33	24.0
Channel				375000	376500	380000	
Frequency (MHz)				1862.5	1862.5	1862.5	
30	QPSK	1	1	22.40	22.45	22.37	24.0
Channel				372500	376500	380500	
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	22.38	22.44	22.34	24.0
Channel				372000	376500	377000	
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	22.37	22.43	22.40	24.0
Channel				371500	376500	381500	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	22.41	22.38	22.35	24.0
Channel				371000	376500	382000	
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	22.35	22.37	22.39	24.0
Channel				370500	376500	382500	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	22.36	22.39	22.34	24.0

n25_Ant 9							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				1870	1882.5	1885	
Frequency (MHz)				18.94	18.86	18.86	
40	P12 BPSK	1	1	18.94	18.86	18.86	18.5
40	P12 BPSK	1	108	18.94	18.99	18.93	18.5
40	P12 BPSK	1	214	18.91	18.88	18.89	18.5
40	P12 BPSK	108	0	18.94	18.88	18.93	18.5
40	P12 BPSK	108	54	18.96	18.92	18.85	18.5
40	P12 BPSK	108	108	18.90	18.93	18.94	18.5
40	P12 BPSK	216	0	18.85	18.88	18.92	18.5
40	QPSK	1	1	18.97	17.80	18.98	18.5
40	QPSK	1	108	18.87	18.91	18.94	18.5
40	QPSK	1	214	18.90	18.97	18.88	18.5
40	QPSK	108	0	18.91	18.87	18.94	18.5
40	QPSK	108	54	18.93	18.99	18.91	18.5
40	QPSK	108	108	18.78	18.86	18.78	18.5
40	QPSK	216	0	18.96	18.95	18.86	18.5
40	16QAM	1	1	18.84	18.99	18.93	18.5
40	64QAM	1	1	16.93	16.93	16.89	18.5
40	256QAM	1	1	16.82	16.90	16.94	18.5
Channel				372500	376500	379500	
Frequency (MHz)				1892.5	1892.5	1892.5	
35	QPSK	1	1	18.89	18.87	18.82	18.5
Channel				373000	376500	380000	
Frequency (MHz)				1892.5	1892.5	1892.5	
30	QPSK	1	1	18.83	18.99	18.95	18.5
Channel				372500	376500	380500	
Frequency (MHz)				1882.5	1882.5	1902.5	
25	QPSK	1	1	18.90	18.89	18.95	18.5
Channel				372000	376500	377000	
Frequency (MHz)				1880	1882.5	1905	
20	QPSK	1	1	18.96	18.91	18.92	18.5
Channel				371500	376500	381500	
Frequency (MHz)				1877.5	1882.5	1907.5	
15	QPSK	1	1	18.88	18.87	18.82	18.5
Channel				371000	376500	382000	
Frequency (MHz)				1875	1882.5	1910	
10	QPSK	1	1	18.90	18.89	18.93	18.5
Channel				370500	376500	382500	
Frequency (MHz)				1862.5	1882.5	1912.5	
5	QPSK	1	1	18.87	18.86	18.93	18.5

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 376500	Power Middle Ch. F Freq. 376500	Power High Ch. F Freq. 376500	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1862.5	1865			
Frequency (MHz)				1870	1862.5	1865			
40	PV2 BPSK	1	1	15.31	15.24	15.11			
40	PV2 BPSK	1	108	15.31	15.28	15.22	17.0	0.0	
40	PV2 BPSK	1	214	15.33	15.27	15.23			
40	PV2 BPSK	108	0	15.20	15.36	15.23	17.0	0.0	
40	PV2 BPSK	108	54	15.23	15.28	15.21	17.0	0.0	
40	PV2 BPSK	108	108	15.28	15.24	15.09	17.0	0.0	
40	PV2 BPSK	216	0	15.33	15.37	15.21			
40	QPSK	1	1	15.35	15.39	15.24			
40	QPSK	1	108	15.28	15.36	15.21	17.0	0.0	
40	QPSK	1	214	15.33	15.30	15.19			
40	QPSK	108	0	15.17	15.22	15.11	17.0	0.0	
40	QPSK	108	54	15.20	15.33	15.10	17.0	0.0	
40	QPSK	108	108	15.20	15.31	15.13	17.0	0.0	
40	QPSK	216	0	15.24	15.37	15.14			
40	16QAM	1	1	15.28	15.37	15.20	17.0	0.0	
40	64QAM	1	1	15.28	15.36	15.17	17.0	0.0	
40	256QAM	1	1	15.29	15.24	15.16	17.0	0.0	
Channel				372500	376500	376500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1862.5	1860			
35	QPSK	1	1	15.32	15.34	15.12	17.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	15.29	15.32	15.16	17.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	15.30	15.29	15.16	17.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	15.34	15.35	15.09	17.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	15.21	15.29	15.18	17.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	15.23	15.20	15.09	17.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	15.20	15.20	15.12.5	17.0	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 166800	Power Middle Ch. F Freq. 166500	Power High Ch. F Freq. 166800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)				824	831.5	839			
20	PV2 BPSK	1	1	22.12	22.24	22.11			
20	PV2 BPSK	1	53	22.23	22.24	22.24	24.0	0.0	
20	PV2 BPSK	1	104	22.23	22.20	22.21			
20	PV2 BPSK	50	0	21.58	21.57	21.52	23.5	0.5	
20	PV2 BPSK	50	28	22.05	22.14	22.09	24.0	0.0	
20	PV2 BPSK	50	56	21.52	21.58	21.53	23.5	0.5	
20	PV2 BPSK	100	0	21.59	21.56	21.57			
20	QPSK	1	1	22.28	22.37	22.31			
20	QPSK	1	53	22.20	22.28	22.18	24.0	0.0	
20	QPSK	1	104	22.27	22.29	22.29			
20	QPSK	50	0	21.09	21.17	21.12	23.0	1.0	
20	QPSK	50	28	22.08	22.15	22.10	24.0	0.0	
20	QPSK	50	56	21.05	21.15	21.08	23.0	1.0	
20	QPSK	100	0	21.13	21.16	21.10			
20	16QAM	1	1	21.41	21.43	21.35	23.0	1.0	
20	64QAM	1	1	19.63	19.68	19.58	21.5	2.5	
20	256QAM	1	1	17.59	17.69	17.62	19.5	4.5	
Channel				164300	166500	168500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.22	22.27	22.21	24.0	0.0	
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.27	22.28	22.21	24.0	0.0	
Channel				163300	166500	169300	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	22.26	22.25	22.29	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 166800	Power Middle Ch. F Freq. 166500	Power High Ch. F Freq. 166800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)				824	831.5	839			
20	PV2 BPSK	1	1	18.30	18.44	18.33			
20	PV2 BPSK	1	53	18.38	18.42	18.38	20.0	0.0	
20	PV2 BPSK	1	104	18.28	18.38	18.36			
20	PV2 BPSK	50	0	18.28	18.42	18.40	20.0	0.0	
20	PV2 BPSK	50	28	18.25	18.36	18.36	20.0	0.0	
20	PV2 BPSK	50	56	18.26	18.41	18.21	20.0	0.0	
20	PV2 BPSK	100	0	18.24	18.43	18.42			
20	QPSK	1	1	18.39	18.51	18.43			
20	QPSK	1	53	18.28	18.41	18.42	20.0	0.0	
20	QPSK	1	104	18.28	18.40	18.31			
20	QPSK	50	0	18.16	18.37	18.32	20.0	0.0	
20	QPSK	50	28	18.31	18.50	18.41	20.0	0.0	
20	QPSK	50	56	18.23	18.38	18.32	20.0	0.0	
20	QPSK	100	0	18.25	18.45	18.38			
20	64QAM	1	1	18.33	18.49	18.42	20.0	0.0	
20	64QAM	1	1	18.32	18.41	18.40	20.0	0.0	
20	256QAM	1	1	17.55	17.59	17.58	19.5	0.5	
Channel				164300	166500	168500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				819	831.5	844			
15	QPSK	1	1	18.35	18.38	18.38	20.0	0.0	
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	18.29	18.48	18.28	20.0	0.0	
Channel				163300	166500	169300	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	18.29	18.38	18.39	20.0	0.0	

n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				2310			24.0	0.0
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.25				
10	PQ2 BPSK	1	26	22.28				
10	PQ2 BPSK	1	50	22.28			23.5	0.5
10	PQ2 BPSK	25	0	22.23				
10	PQ2 BPSK	25	14	22.07				
10	PQ2 BPSK	25	27	22.22				
10	PQ2 BPSK	50	0	22.24			24.0	0.0
10	QPSK	1	1	22.32				
10	QPSK	1	26	22.29				
10	QPSK	1	50	22.31			23.0	1.0
10	QPSK	25	0	21.25				
10	QPSK	25	14	22.15				
10	QPSK	25	27	21.26				
10	QPSK	50	0	21.27			23.0	1.0
10	16QAM	1	1	21.47				
10	64QAM	1	1	19.59				
10	256QAM	1	1	17.60				
Channel				461500	462000	462500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.22	22.22	22.23	24.0	0.0

n30_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2310			15.5	0.0		
Frequency (MHz)										
10	PQ2 BPSK	1	1	13.83						
10	PQ2 BPSK	1	26	13.82						
10	PQ2 BPSK	1	50	13.79						
10	PQ2 BPSK	25	0	13.81			15.5	0.0		
10	PQ2 BPSK	25	14	13.74			15.5	0.0		
10	PQ2 BPSK	25	27	13.75			15.5	0.0		
10	PQ2 BPSK	50	0	13.73			15.5	0.0		
10	QPSK	1	1	13.84						
10	QPSK	1	26	13.78			15.5	0.0		
10	QPSK	1	50	13.81						
10	QPSK	25	0	13.70			15.5	0.0		
10	QPSK	25	14	13.82			15.5	0.0		
10	QPSK	25	27	13.76			15.5	0.0		
10	QPSK	50	0	13.76			15.5	0.0		
10	16QAM	1	1	13.80			15.5	0.0		
10	64QAM	1	1	13.72			15.5	0.0		
10	256QAM	1	1	13.76			15.5	0.0		
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2307.5	2310	2312.5				
5	QPSK	1	1	13.62	13.81	13.77	15.5	0.0		

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500			24.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PQ2 BPSK	1	1	22.12	22.08	22.05		
45	PQ2 BPSK	1	122	22.25	22.25	22.23		
45	PQ2 BPSK	1	240	22.25	22.23	22.21	23.5	0.5
45	PQ2 BPSK	120	0	21.58	21.56	21.52		
45	PQ2 BPSK	120	60	22.09	22.20	22.06		
45	PQ2 BPSK	120	122	21.50	21.63	21.52		
45	PQ2 BPSK	240	0	21.51	21.63	21.54	24.0	0.0
45	QPSK	1	1	22.30	22.34	22.32		
45	QPSK	1	122	22.13	22.17	22.10		
45	QPSK	1	240	22.28	22.31	22.24	23.0	1.0
45	QPSK	120	0	21.10	21.12	21.02		
45	QPSK	120	60	22.18	22.21	22.16		
45	QPSK	120	122	21.09	21.18	21.12		
45	QPSK	240	0	21.08	21.17	21.10	23.0	1.0
45	16QAM	1	1	21.25	21.30	21.20		
45	64QAM	1	1	19.52	19.53	19.51		
45	256QAM	1	1	17.62	17.67	17.62		
Channel				346500	349000	352000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	22.21	22.26	22.31	24.0	0.0
Channel				345500	349000	352000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.23	22.28	22.22	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.22	22.33	22.25	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.20	22.25	22.24	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.23	22.32	22.23	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.23	22.29	22.31	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.28	22.25	22.27	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.22	22.26	22.26	24.0	0.0

n66_Ant 9									
BW [MHz]	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	346500	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P22 BPSK	1	1	17.37	17.43	17.39			
45	P22 BPSK	1	122	17.35	17.43	17.39	19.0	0.0	
45	P22 BPSK	1	240	17.33	17.53	17.40			
45	P22 BPSK	120	0	17.39	17.46	17.46	19.0	0.0	
45	P22 BPSK	120	60	17.37	17.42	17.39	19.0	0.0	
45	P22 BPSK	120	122	17.43	17.48	17.44	19.0	0.0	
45	P22 BPSK	240	0	17.34	17.45	17.38			
45	QPSK	1	1	17.46	17.57	17.47			
45	QPSK	1	122	17.42	17.52	17.43	19.0	0.0	
45	QPSK	1	240	17.46	17.46	17.44			
45	QPSK	120	0	17.27	17.46	17.25	19.0	0.0	
45	QPSK	120	60	17.42	17.56	17.39	19.0	0.0	
45	QPSK	120	122	17.28	17.43	17.33			
45	QPSK	240	0	17.36	17.46	17.39	19.0	0.0	
45	16QAM	1	1	17.43	17.50	17.36	19.0	0.0	
45	64QAM	1	1	17.33	17.51	17.36	19.0	0.0	
45	256QAM	1	1	17.40	17.56	17.38	19.0	0.0	
Channel				346500	346500	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.32	17.53	17.39	19.0	0.0	
Channel				346500	346500	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1743	1762.5			
35	QPSK	1	1	17.32	17.53	17.39	19.0	0.0	
Channel				346500	346500	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.38	17.44	17.36	19.0	0.0	
Channel				345500	345500	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.40	17.46	17.36	19.0	0.0	
Channel				344000	344000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.37	17.56	17.34	19.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.42	17.51	17.43	19.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.35	17.46	17.46	19.0	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.33	17.56	17.40	19.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	346500	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P22 BPSK	1	1	15.27	15.45	15.37			
45	P22 BPSK	1	122	15.19	15.35	15.27	17.0	0.0	
45	P22 BPSK	1	240	15.18	15.37	15.24			
45	P22 BPSK	120	0	15.29	15.46	15.29	17.0	0.0	
45	P22 BPSK	120	60	15.20	15.40	15.35	17.0	0.0	
45	P22 BPSK	120	122	15.21	15.40	15.24	17.0	0.0	
45	P22 BPSK	240	0	15.22	15.41	15.38			
45	QPSK	1	1	15.33	15.49	15.39			
45	QPSK	1	122	15.29	15.44	15.34	17.0	0.0	
45	QPSK	1	240	15.21	15.43	15.27			
45	QPSK	120	0	15.21	15.42	15.29	17.0	0.0	
45	QPSK	120	60	15.20	15.43	15.35	17.0	0.0	
45	QPSK	120	122	15.24	15.39	15.29			
45	QPSK	240	0	15.27	15.41	15.29	17.0	0.0	
45	16QAM	1	1	15.32	15.46	15.38	17.0	0.0	
45	64QAM	1	1	15.19	15.40	15.34	17.0	0.0	
45	256QAM	1	1	15.30	15.45	15.30	17.0	0.0	
Channel				346500	346500	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	15.23	15.44	15.36	17.0	0.0	
Channel				346500	346500	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1743	1762.5			
35	QPSK	1	1	15.31	15.35	15.29	17.0	0.0	
Channel				346500	346500	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	15.30	15.46	15.32	17.0	0.0	
Channel				345500	346500	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	15.28	15.35	15.26	17.0	0.0	
Channel				344000	346500	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.22	15.45	15.24	17.0	0.0	
Channel				343500	346500	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.10	15.39	15.29	17.0	0.0	
Channel				343000	346500	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.32	15.42	15.28	17.0	0.0	
Channel				342500	346500	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.16	15.42	15.24	17.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	346500	351500			
Frequency (MHz)				1702.5					
15	P22 BPSK	1	1						
15	P22 BPSK	1	40				24.0	0.0	
15	P22 BPSK	1	77						
15	P22 BPSK	36	0				23.5	0.5	
15	P22 BPSK	36	22				24.0	0.0	
15	P22 BPSK	36	43				21.85		
15	P22 BPSK	75	0				23.5	0.5	
15	QPSK	1	1						
15	QPSK	1	40				24.0	0.0	
15	QPSK	1	77				22.27		
15	QPSK	36	0				21.74		
15	QPSK	36	22				23.0	1.0	
15	QPSK	36	43				21.42		
15	QPSK	75	0				23.0	1.0	
15	16QAM	1	1				21.58		
15	64QAM	1	1				19.97		
15	256QAM	1	1				18.63		
Channel				346500	346500	341900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.95	22.97	22.87	24.0	0.0	
Channel				336500	340500	341900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1722.5	1707.5			
5	QPSK	1	1	22.88	22.90	22.85	24.0	0.0	

n70_Ant 9								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	18.95			20.0	0.0
15	PV2 BPSK	1	40	18.95				
15	PV2 BPSK	1	77	18.95				
15	PV2 BPSK	36	0	19.04			20.0	0.0
15	PV2 BPSK	36	22	18.96			20.0	0.0
15	PV2 BPSK	36	43	19.07			20.0	0.0
15	PV2 BPSK	75	0	19.02			20.0	0.0
15	QPSK	1	1	19.05			20.0	0.0
15	QPSK	1	40	18.99				
15	QPSK	1	77	18.96				
15	QPSK	36	0	19.92			20.0	0.0
15	QPSK	36	22	19.05			20.0	0.0
15	QPSK	36	43	18.94			20.0	0.0
15	QPSK	75	0	18.96			20.0	0.0
15	16QAM	1	1	19.95			20.0	0.0
15	16QAM	1	1	19.03			20.0	0.0
15	256QAM	1	1	18.26			19.5	0.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	19.01	19.06	19.03	20.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	19.04	19.07	19.05	20.0	0.0

n70_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	16.37			17.5	0.0
15	PV2 BPSK	1	40	16.43				
15	PV2 BPSK	1	77	16.37				
15	PV2 BPSK	36	0	16.29			17.5	0.0
15	PV2 BPSK	36	22	16.30			17.5	0.0
15	PV2 BPSK	36	43	16.42			17.5	0.0
15	PV2 BPSK	75	0	16.39			17.5	0.0
15	QPSK	1	1	16.44			17.5	0.0
15	QPSK	1	40	16.30				
15	QPSK	1	77	16.40				
15	QPSK	36	0	16.35			17.5	0.0
15	QPSK	36	22	16.38			17.5	0.0
15	QPSK	36	43	16.29			17.5	0.0
15	QPSK	75	0	16.36			17.5	0.0
15	16QAM	1	1	16.38			17.5	0.0
15	16QAM	1	1	16.38			17.5	0.0
15	256QAM	1	1	16.32			17.5	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	16.31	16.32	16.40	17.5	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	16.29	16.30	16.40	17.5	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				1360.5				
Frequency (MHz)				1360.5				
35	PV2 BPSK	1	1	22.27			24.0	0.0
35	PV2 BPSK	1	80	22.24				
35	PV2 BPSK	1	166	22.25				
35	PV2 BPSK	90	0	21.67			23.5	0.5
35	PV2 BPSK	90	45	22.12			24.0	0.0
35	PV2 BPSK	90	90	21.56			23.5	0.5
35	PV2 BPSK	180	0	21.51			23.5	0.5
35	QPSK	1	1	22.32			24.0	0.0
35	QPSK	1	80	22.28				
35	QPSK	1	166	22.31				
35	QPSK	90	0	21.23			23.0	1.0
35	QPSK	90	45	22.21			24.0	0.0
35	QPSK	90	90	21.11			23.0	1.0
35	QPSK	180	0	21.06			23.0	1.0
35	16QAM	1	1	21.56			23.0	1.0
35	16QAM	1	1	19.70			21.5	2.5
35	256QAM	1	1	17.67			19.5	4.5
Channel				135600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	22.22	22.30	22.17	24.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.27	22.22	22.21	24.0	0.0
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	22.26	22.23	22.22	24.0	0.0
Channel				134100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.15	22.23	22.08	24.0	0.0
Channel				133000	136100	139500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.07	22.20	22.06	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.13	22.15	22.09	24.0	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq 150 100	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					680.5			
Frequency (MHz)					21.73			
35	PI2 BPSK	1	1		21.63		23.5	0.0
35	PI2 BPSK	1	90		21.67			
35	PI2 BPSK	1	186		21.67			
35	PI2 BPSK	90	0		21.76		23.5	0.0
35	PI2 BPSK	90	45		21.76			
35	PI2 BPSK	90	90		21.65		23.5	0.0
35	PI2 BPSK	180	0		21.76			
35	QPSK	1	1		21.77			
35	QPSK	1	90		21.74		23.5	0.0
35	QPSK	1	186		21.84			
35	QPSK	90	0		21.30		23.0	0.5
35	QPSK	90	45		21.75		23.5	0.0
35	QPSK	90	90		21.29		23.0	0.5
35	QPSK	180	0		21.40			
35	16QAM	1	1		21.48		23.0	0.5
35	64QAM	1	1		19.68		21.5	2.0
35	256QAM	1	1		17.62		19.5	4.0
Channel				135600	130 100	136000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	21.59	21.74	21.81	23.5	0.0
Channel				130 100	130 100	137 100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	21.07	21.70	21.71	23.5	0.0
Channel				134600	130 100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	21.71	21.63	21.70	23.5	0.0
Channel				133 100	133 100	133 100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	680.5		
15	QPSK	1	1	21.68	21.62	21.63	23.5	0.0
Channel				133600	130 100	136000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.64	21.74	21.86	23.5	0.0
Channel				133 100	130 100	138 100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.63	21.73	21.84	23.5	0.0

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	519996			
				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	22.13	22.14	22.13			
40	Pl2 BPSK	1	53	22.38	22.37	22.32	24.0		0.0
40	Pl2 BPSK	1	104	22.26	22.38	22.34			
40	Pl2 BPSK	50	0	21.75	21.85	21.74	23.5		0.5
40	Pl2 BPSK	50	28	22.27	22.30	22.36	24.0		0.0
40	Pl2 BPSK	50	56	21.89	21.94	21.84	23.5		0.5
40	Pl2 BPSK	100	0	21.80	21.90	21.80			
40	QPSK	1	1	22.41	22.45	22.38			
40	QPSK	1	53	22.14	22.19	22.18	24.0		0.0
40	QPSK	1	104	22.36	22.40	22.36			
40	QPSK	50	0	21.34	21.37	21.33			
40	QPSK	50	28	22.21	22.40	22.18	24.0		0.0
40	QPSK	50	56	21.44	21.46	21.39			
40	QPSK	100	0	21.34	21.42	21.33	23.0		1.0
40	16QAM	1	1	21.41	21.51	21.45	23.0		1.0
40	64QAM	1	1	19.95	19.97	19.94	21.5		2.5
40	256QAM	1	1	17.66	17.65	17.62	19.5		4.5
Channel									
Frequency (MHz)				517002	519000	520998			
				2595.01	2595	2604.99			
30	QPSK	1	1	22.05	22.11	22.14	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	521498			
				2592.52	2595	2607.48			
25	QPSK	1	1	22.07	22.14	22.14	24.0		0.0
Channel									
Frequency (MHz)				518000	519000	522498			
				2590	2595	2610			
20	QPSK	1	1	22.12	22.18	22.09	24.0		0.0
Channel									
Frequency (MHz)				515902	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	22.13	22.11	22.10	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	22.05	22.14	22.10	24.0		0.0

n38_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2590.02	2595	2599.98			
40	P2 BPSK	1	1	15.81	15.87	15.87			
40	P2 BPSK	1	53	15.73	15.99	15.94	17.5	0.0	
40	P2 BPSK	1	104	15.76	15.94	15.87			
40	P2 BPSK	50	0	15.79	15.87	15.94	17.5	0.0	
40	P2 BPSK	50	28	15.75	15.95	16.00	17.5	0.0	
40	P2 BPSK	50	56	15.72	15.88	15.88			
40	P2 BPSK	100	0	15.84	15.88	15.98	17.5	0.0	
40	QPSK	1	1	15.85	16.02	16.03			
40	QPSK	1	53	15.82	15.89	15.95	17.5	0.0	
40	QPSK	1	104	15.74	15.95	15.97			
40	QPSK	50	0	15.79	15.82	15.94			
40	QPSK	50	28	15.83	15.96	15.95	17.5	0.0	
40	QPSK	50	56	15.78	15.85	15.94			
40	QPSK	100	0	15.77	15.88	15.87	17.5	0.0	
40	16QAM	1	1	15.82	15.91	15.91	17.5	0.0	
40	64QAM	1	1	15.83	15.98	16.00	17.5	0.0	
40	256QAM	1	1	15.73	15.91	15.87	17.5	0.0	
Channel									
Frequency (MHz)				517002	519000	520998			
				2595.01	2595	2604.99			
30	QPSK	1	1	15.79	15.88	15.94	17.5	0.0	
Channel									
Frequency (MHz)				518004	519000	521498			
				2592.52	2595	2607.48			
25	QPSK	1	1	15.72	15.93	15.89	17.5	0.0	
Channel									
Frequency (MHz)				518000	519000	522498			
				2590	2595	2610			
20	QPSK	1	1	15.77	15.89	15.96	17.5	0.0	
Channel									
Frequency (MHz)				515902	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	15.71	15.98	15.99	17.5	0.0	
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	15.75	15.94	15.87	17.5	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	13.27	13.38	13.34			
40	Pl2 BPSK	1	53	13.31	13.38	13.28	15.0	0.0	0.0
40	Pl2 BPSK	1	104	13.23	13.44	13.29			
40	Pl2 BPSK	50	0	13.23	13.43	13.37	15.0	0.0	0.0
40	Pl2 BPSK	50	28	13.25	13.33	13.26	15.0	0.0	0.0
40	Pl2 BPSK	50	56	13.29	13.38	13.38			
40	Pl2 BPSK	100	0	13.28	13.36	13.37	15.0	0.0	0.0
40	QPSK	1	1	13.33	13.45	13.33			
40	QPSK	1	53	13.28	13.43	13.32	15.0	0.0	0.0
40	QPSK	1	104	13.25	13.42	13.32			
40	QPSK	50	0	13.16	13.27	13.34			
40	QPSK	50	28	13.11	13.38	13.11	15.0	0.0	0.0
40	QPSK	50	56	13.21	13.37	13.23			
40	QPSK	100	0	13.27	13.36	13.35	15.0	0.0	0.0
40	16QAM	1	1	13.19	13.39	13.27	15.0	0.0	0.0
40	64QAM	1	1	13.20	13.42	13.26	15.0	0.0	0.0
40	256QAM	1	1	13.31	13.41	13.36	15.0	0.0	0.0
Channel									
Frequency (MHz)				517002	519000	520998			
				2595.01	2595	2604.99			
30	QPSK	1	1	13.22	13.36	13.27	15.0	0.0	0.0
Channel									
Frequency (MHz)				518004	519000	521498			
				2592.52	2595	2607.48			
25	QPSK	1	1	13.26	13.41	13.25	15.0	0.0	0.0
Channel									
Frequency (MHz)				518000	519000	522498			
				2590	2595	2610			
20	QPSK	1	1	13.20	13.38	13.27	15.0	0.0	0.0
Channel									
Frequency (MHz)				515902	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	13.20	13.42	13.32	15.0	0.0	0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	13.24	13.41	13.24	15.0	0.0	0.0

FCC_n41_Ant 9											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	Pi2 BPSK	1	1	15.9602	15.9898	15.9600		17.5	0.0		
100	Pi2 BPSK	1	137	15.88	16.02	15.91					
100	Pi2 BPSK	1	271	15.88	16.01	16.00		17.5	0.0		
100	Pi2 BPSK	135	0	15.88	16.11	15.96	17.5				
100	Pi2 BPSK	135	69	15.97	16.04	15.98		17.5	0.0		
100	Pi2 BPSK	135	138	15.93	16.12	15.91					
100	Pi2 BPSK	270	0	15.90	16.06	15.87	17.5	0.0	0.0		
100	QPSK	1	1	15.90	16.14	16.02					
100	QPSK	1	137	15.93	16.00	15.88	17.5	0.0	0.0		
100	QPSK	1	271	15.95	16.00	15.91					
100	QPSK	135	0	15.96	16.02	15.85		17.5	0.0		
100	QPSK	135	69	15.90	16.06	15.92					
100	QPSK	135	138	15.82	15.97	15.86		17.5	0.0		
100	QPSK	270	0	15.95	15.98	15.90	17.5				
100	16QAM	1	1	15.98	16.12	15.99	17.5	0.0	0.0		
100	16QAM	1	1	15.97	16.07	15.87	17.5				
100	256QAM	1	1	15.88	16.10	15.94	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
90	QPSK	1	1	15.86	16.10	15.97	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	15.93	16.00	15.92	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
70	QPSK	1	1	15.92	16.13	16.00	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
60	QPSK	1	1	15.91	16.09	15.98	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
50	QPSK	1	1	15.92	16.07	15.92	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
45	QPSK	1	1	15.86	16.11	16.00	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	15.85	16.08	15.89	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
35	QPSK	1	1	15.93	16.03	16.01	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	15.88	16.01	15.97	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	15.92	16.05	16.07	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	15.91	16.10	15.87	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	15.93	16.05	16.00	17.5	0.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	15.98	16.02	15.92	17.5	0.0	0.0		
Channel											
Frequency (MHz)											

FCC_n41(HPUe)_Ant 9											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	Pi2 BPSK	1	1	19.41	19.40	19.21		20.5	0.0		
100	Pi2 BPSK	1	137	19.16	19.29	19.19					
100	Pi2 BPSK	1	271	19.17	19.32	19.19		20.5	0.0		
100	Pi2 BPSK	135	0	19.23	19.30	19.14					
100	Pi2 BPSK	135	69	19.15	19.30	19.19	20.5	0.0	0.0		
100	Pi2 BPSK	135	138	19.23	19.42	19.16					
100	Pi2 BPSK	270	0	19.25	19.38	19.24	20.5	0.0	0.0		
100	QPSK	1	1	19.20	19.43	19.20					
100	QPSK	1	137	19.20	19.35	19.17	20.5	0.0	0.0		
100	QPSK	1	271	19.25	19.32	19.22					
100	QPSK	135	0	19.19	19.21	19.14		20.5	0.0		
100	QPSK	135	69	19.21	19.36	19.25					
100	QPSK	135	138	19.16	19.27	19.21		20.5	0.0		
100	QPSK	270	0	19.20	19.32	19.16	20.5				
100	16QAM	1	1	19.21	19.37	19.21	20.5	0.0	0.0		
100	16QAM	1	1	19.14	19.32	19.25	20.5				
100	256QAM	1	1	19.20	19.41	19.24	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
90	QPSK	1	1	19.27	19.30	19.19	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.16	19.30	19.11	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
70	QPSK	1	1	19.27	19.30	19.22	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
60	QPSK	1	1	19.27	19.39	19.12	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
50	QPSK	1	1	19.25	19.28	19.20	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
45	QPSK	1	1	19.19	19.41	19.11	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	19.21	19.40	19.12	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
35	QPSK	1	1	19.21	19.30	19.24	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.22	19.37	19.24	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	19.20	19.33	19.17	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	19.25	19.36	19.23	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	19.25	19.38	19.19	20.5	0.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.23	19.41	19.12	20.5	0.0	0.0		
Channel											
Frequency (MHz)											

FCC_n41_Ant 1	
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FCC_n41(HPUE)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	16.65	16.80	16.80			
100	P1/2 BPSK	1	137	16.67	16.71	16.70	18.0	0.0	
100	P1/2 BPSK	1	271	16.63	16.81	16.69			
100	P1/2 BPSK	135	0	16.85	16.82	16.82	18.0	0.0	
100	P1/2 BPSK	135	69	16.68	16.77	16.61	18.0	0.0	
100	P1/2 BPSK	135	138	16.65	16.75	16.68	18.0	0.0	
100	P1/2 BPSK	270	0	16.59	16.71	16.70			
100	QPSK	1	1	16.65	16.84	16.73			
100	QPSK	1	137	16.62	16.74	16.71	18.0	0.0	
100	QPSK	1	271	16.54	16.82	16.64			
100	QPSK	135	0	16.63	16.75	16.61			
100	QPSK	135	69	16.56	16.70	16.57	18.0	0.0	
100	QPSK	135	138	16.58	16.71	16.56			
100	QPSK	270	0	16.61	16.73	16.65	18.0	0.0	
100	16QAM	1	1	16.62	16.83	16.66	18.0	0.0	
100	64QAM	1	1	16.65	16.74	16.62	18.0	0.0	
100	256QAM	1	1	16.54	16.72	16.63	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.64	16.71	16.67			
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.55	16.83	16.68	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.66	16.75	16.63	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.56	16.70	16.61	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.63	16.71	16.63	18.0	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	16.63	16.69	16.71	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.66	16.74	16.59	18.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.63	16.74	16.71	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.58	16.80	16.71	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.66	16.75	16.69	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.57	16.74	16.60	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.56	16.82	16.68	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.64	16.76	16.70	18.0	0.0	

FCC_n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	22.49	22.65	22.53			
100	P1/2 BPSK	1	137	22.42	22.52	22.43	24.0	0.0	
100	P1/2 BPSK	1	271	22.44	22.48	22.42			
100	P1/2 BPSK	135	0	21.71	21.70	21.58	23.5	0.5	
100	P1/2 BPSK	135	69	21.38	21.45	21.50	24.0	0.0	
100	P1/2 BPSK	135	138	21.29	21.36	21.35	23.5	0.5	
100	P1/2 BPSK	270	0	21.41	21.51	21.46	24.0	23.5	0.5
100	QPSK	1	1	22.55	22.71	22.51			
100	QPSK	1	137	22.50	22.58	22.46	24.0	0.0	
100	QPSK	1	271	22.47	22.57	22.52			
100	QPSK	135	0	21.70	21.73	21.67			
100	QPSK	135	69	21.35	21.42	21.45	24.0	0.0	
100	QPSK	135	138	21.25	21.30	21.39			
100	QPSK	270	0	21.53	21.54	21.44	23.0	1.0	
100	16QAM	1	1	21.58	21.62	21.60	23.0	1.0	
100	64QAM	1	1	19.84	19.86	19.79	21.5	2.5	
100	256QAM	1	1	17.79	17.85	17.87	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.66	22.62	22.64	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.48	22.70	22.52	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.56	22.68	22.55	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.50	22.69	22.57	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.40	22.61	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	22.48	22.61	22.56	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.50	22.61	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.53	22.70	22.55	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.35	22.61	22.52	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.57	22.69	22.60	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.50	22.63	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.53	22.65	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.52	22.67	22.57	24.0	0.0	

FCC_n41(HPUE)_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)				2544.51	2552.19	2560.00			
100	P1/2 BPSK	1	1	25.57	25.66	25.62			
100	P1/2 BPSK	1	137	25.48	25.57	25.51	27.0	0.0	
100	P1/2 BPSK	1	271	25.46	25.52	25.47			
100	P1/2 BPSK	135	0	24.72	24.74	24.68	26.5	0.5	
100	P1/2 BPSK	135	69	25.47	25.55	25.54	27.0	0.0	
100	P1/2 BPSK	135	138	24.32	24.40	24.39	26.5	0.5	
100	P1/2 BPSK	270	0	24.50	24.55	24.50			
100	QPSK	1	1	25.55	25.74	25.70			
100	QPSK	1	137	25.54	25.61	25.52	27.0	0.0	
100	QPSK	1	271	25.56	25.59	25.58			
100	QPSK	135	0	24.78	24.79	24.74			
100	QPSK	135	69	25.17	25.55	25.51	27.0	0.0	
100	QPSK	135	138	24.35	24.44	24.41			
100	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
100	16QAM	1	1	24.89	24.89	24.64	26.0	1.0	
100	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
100	256QAM	1	1	20.86	20.93	20.89	22.5	4.5	
Channel									
Frequency (MHz)				2541	2552.19	2564.98			
90	QPSK	1	1	25.58	25.64	25.61	27.0	0.0	
Channel									
Frequency (MHz)				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.62	25.62	25.60			
80	QPSK	1	1	25.64	25.69	25.69	27.0	0.0	
Channel									
Frequency (MHz)				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	25.31	25.1	25.92	25.95		
Channel									
Frequency (MHz)				505203	518598	531196	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	25.26	25.62	25.69	27.0	0.0	
Channel									
Frequency (MHz)				504204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	25.32	25.62	25.64	27.0	0.0	
Channel									
Frequency (MHz)				25.55	25.70	25.69	27.0	0.0	
50	QPSK	1	1	507070	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				25.57	25.62	25.67	27.0	0.0	
45	QPSK	1	1	25.61	25.67	25.64			
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	25.16	25.17	25.60	27.0	0.0	
Channel									
Frequency (MHz)				25.13	25.26	25.92	25.94		
35	QPSK	1	1	25.26	25.67	25.64	27.0	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.11	25.62	25.69	27.0	0.0	
Channel									
Frequency (MHz)				25.63	25.64	25.64			
25	QPSK	1	1	501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				25.08	25.1	25.92	25.75		
25	QPSK	1	1	25.57	25.64	25.67			
Channel									
Frequency (MHz)				501204	518598	536000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	25.06	25.26	25.78	27.0	0.0	
Channel									
Frequency (MHz)				25.60	25.67	25.66	27.0	0.0	
15	QPSK	1	1	500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				25.04	25.26	25.92	25.84		
10	QPSK	1	1	25.64	25.70	25.66	27.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	12.70	12.87	12.88	14.5	0.0	
40	PI/2 BPSK	1	53	12.89	12.78	12.89			
40	PI/2 BPSK	1	104	12.89	12.89	12.84			
40	PI/2 BPSK	50	0	12.82	12.87	12.76	14.5	0.0	
40	PI/2 BPSK	50	28	12.74	12.81	12.88	14.5	0.0	
40	PI/2 BPSK	50	56	12.75	12.83	12.83	14.5	0.0	
40	PI/2 BPSK	100	0	12.75	12.85	12.76	14.5	0.0	
40	QPSK	1	1	12.83	12.85	12.85	14.5	0.0	
40	QPSK	1	53	12.73	12.87	12.75			
40	QPSK	1	104	12.73	12.83	12.85			
40	QPSK	50	0	12.85	12.83	12.77	14.5	0.0	
40	QPSK	50	28	12.75	12.85	12.82			
40	QPSK	50	56	12.75	12.81	12.81			
40	QPSK	100	0	12.77	12.87	12.76	14.5	0.0	
40	16QAM	1	1	12.81	12.91	12.77	14.5	0.0	
40	64QAM	1	1	12.73	12.78	12.85	14.5	0.0	
40	256QAM	1	1	12.72	12.87	12.78	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.71	12.80	12.75	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.71	12.88	12.87	14.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.82	12.90	12.76	14.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.73	12.89	12.85	14.5	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)									
40	PI/2 BPSK	1	1	12.38	12.46	12.39	14.0	0.0	
40	PI/2 BPSK	1	53	12.40	12.44	12.36			
40	PI/2 BPSK	1	104	12.35	12.44	12.46			
40	PI/2 BPSK	50	0	12.32	12.40	12.37	14.0	0.0	
40	PI/2 BPSK	50	28	12.30	12.52	12.42	14.0	0.0	
40	PI/2 BPSK	50	56	12.32	12.43	12.44	14.0	0.0	
40	PI/2 BPSK	100	0	12.33	12.48	12.48	14.0	0.0	
40	QPSK	1	1	12.46	12.54	12.20	14.0	0.0	
40	QPSK	1	53	12.39	12.48	12.43			
40	QPSK	1	104	12.35	12.53	12.48			
40	QPSK	50	0	12.29	12.41	12.34	14.0	0.0	
40	QPSK	50	28	12.43	12.40	12.41			
40	QPSK	50	56	12.28	12.39	12.28			
40	QPSK	100	0	12.39	12.43	12.39	14.0	0.0	
40	16QAM	1	1	12.32	12.44	12.47	14.0	0.0	
40	64QAM	1	1	12.44	12.42	12.35	14.0	0.0	
40	256QAM	1	1	12.33	12.44	12.41	14.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.38	12.52	12.39	14.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.43	12.50	12.42	14.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.37	12.44	12.42	14.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.44	12.40	12.48	14.0	0.0	

n48_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)									
40	PI/2 BPSK	1	1	22.65	22.77	22.72	24.0	0.0	
40	PI/2 BPSK	1	53	22.47	22.90	22.55			
40	PI/2 BPSK	1	104	22.47	22.87	22.56			
40	PI/2 BPSK	50	0	21.87	22.06	22.00	23.5	0.5	
40	PI/2 BPSK	50	28	22.38	22.59	22.44	24.0	0.0	
40	PI/2 BPSK	50	56	21.89	22.11	22.04	23.5	0.5	
40	PI/2 BPSK	100	0	21.97	22.16	22.04	24.0	0.0	
40	QPSK	1	1	22.71	22.83	22.76	24.0	0.0	
40	QPSK	1	53	22.52	22.80	22.64			
40	QPSK	1	104	22.53	22.79	22.63			
40	QPSK	50	0	21.34	21.56	21.48	24.0	0.0	
40	QPSK	50	28	22.33	22.55	22.41			
40	QPSK	50	56	21.34	21.82	21.49			
40	QPSK	100	0	21.39	21.63	21.48	23.0	1.0	
40	16QAM	1	1	21.40	21.65	21.55	23.0	1.0	
40	64QAM	1	1	19.64	19.80	19.67	21.5	2.5	
40	256QAM	1	1	17.58	17.80	17.67	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.60	22.73	22.75	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.68	22.84	22.66	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.62	22.82	22.61	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.70	22.80	22.69	24.0	0.0	

n48_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)									
40	P1/2 BPSK	1	1	13.84	14.01	13.92			
40	P1/2 BPSK	1	53	13.86	14.07	13.92	14.5	0.0	
40	P1/2 BPSK	1	104	13.86	14.11	13.84	14.5	0.0	
40	P1/2 BPSK	50	0	13.90	14.04	14.01	14.5	0.0	
40	P1/2 BPSK	50	28	13.81	14.02	14.05	14.5	0.0	
40	P1/2 BPSK	50	56	13.82	14.01	14.05	14.5	0.0	
40	P1/2 BPSK	100	0	13.93	14.06	13.97	14.5	0.0	
40	QPSK	1	1	13.94	14.12	14.05			
40	QPSK	1	53	13.79	14.08	13.95	14.5	0.0	
40	QPSK	1	104	13.79	14.11	13.99	14.5	0.0	
40	QPSK	50	0	13.78	14.06	13.94			
40	QPSK	50	28	13.80	14.07	14.07	14.5	0.0	
40	QPSK	50	56	13.71	14.02	13.93			
40	QPSK	100	0	13.78	14.03	13.98	14.5	0.0	
40	16QAM	1	1	13.93	14.08	13.97	14.5	0.0	
40	64QAM	1	1	13.83	14.07	13.94	14.5	0.0	
40	256QAM	1	1	13.79	14.07	13.93	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.89	14.11	13.95	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.92	14.03	14.03	14.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.89	14.08	13.93	14.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.92	14.05	13.94	14.5	0.0	

Part27Q_n77_Ant 7									
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)									
100	P1/2 BPSK	1	1		11.66				
100	P1/2 BPSK	1	137		11.77		13.5	0.0	
100	P1/2 BPSK	1	271		11.67				
100	P1/2 BPSK	135	0		11.74		13.5	0.0	
100	P1/2 BPSK	135	69		11.70		13.5	0.0	
100	P1/2 BPSK	135	138		11.78		13.5	0.0	
100	P1/2 BPSK	270	0		11.73				
100	QPSK	1	1		11.61				
100	QPSK	1	137		11.70		13.5	0.0	
100	QPSK	1	271		11.67				
100	QPSK	135	0		11.66		13.5	0.0	
100	QPSK	135	69		11.70		13.5	0.0	
100	QPSK	135	138		11.61		13.5	0.0	
100	QPSK	270	0		11.68		13.5	0.0	
100	16QAM	1	1		11.77		13.5	0.0	
100	64QAM	1	1		11.71		13.5	0.0	
100	256QAM	1	1		11.79		13.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	11.65	11.67	11.68	13.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.66	11.72	11.75	13.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	11.74	11.71	11.79	13.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	11.70	11.77	11.73	13.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	11.69	11.70	11.70	13.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.79	11.72	11.73	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.73	11.72	11.80	13.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.70	11.75	11.80	13.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.72	11.73	11.73	13.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	11.68	11.68	11.78	13.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	11.68	11.66	11.77	13.5	0.0	

Part27Q_n77(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	14.54	14.54				
100	P1/2 BPSK	1	137		14.55		16.5	0.0	
100	P1/2 BPSK	1	271		14.52				
100	P1/2 BPSK	135	0		14.56		16.5	0.0	
100	P1/2 BPSK	135	69		14.59		16.5	0.0	
100	P1/2 BPSK	135	138		14.51		16.5	0.0	
100	P1/2 BPSK	270	0		14.54				
100	QPSK	1	1		14.54				
100	QPSK	1	137		14.54		16.5	0.0	
100	QPSK	1	271		14.54				
100	QPSK	135	0		14.55		16.5	0.0	
100	QPSK	135	69		14.61		16.5	0.0	
100	QPSK	135	138		14.59		16.5	0.0	
100	QPSK	270	0		14.53		16.5	0.0	
100	16QAM	1	1		14.52		16.5	0.0	
100	64QAM	1	1		14.60		16.5	0.0	
100	256QAM	1	1		14.53		16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.62	14.54	14.61	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.58	14.60	14.56	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.51	14.62	14.62	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.65	14.59	14.54	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.63	14.50	14.63	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.63	14.60	14.61	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.63	14.60	14.61	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.63	14.60	14.54	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.63	14.60	14.54	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.50	14.60	14.52	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.50	14.60	14.52	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.60	14.63	14.58	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.62	14.59	14.54	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.53	14.63	14.63	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.53	14.63	14.63	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.57	14.59	14.54	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.57	14.59	14.54	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.58	14.62	14.52	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.58	14.62	14.52	16.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.59	14.60	14.61	16.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	11.69	11.74	11.65		
100	P12 BPSK	1	137	11.74	11.73	11.62	13.5	0.0
100	P12 BPSK	1	271	11.60	11.70	11.71		
100	P12 BPSK	135	0	11.64	11.77	11.62	13.5	0.0
100	P12 BPSK	135	69	11.63	11.81	11.73	13.5	0.0
100	P12 BPSK	135	138	11.62	11.73	11.63	13.5	0.0
100	P12 BPSK	270	0	11.74	11.76	11.74		
100	QPSK	1	1	11.75	11.65	11.77		
100	QPSK	1	137	11.63	11.81	11.68	13.5	0.0
100	QPSK	1	271	11.63	11.74	11.68		
100	QPSK	135	0	11.56	11.65	11.68		
100	QPSK	135	69	11.70	11.60	11.75	13.5	0.0
100	QPSK	135	138	11.67	11.75	11.69		
100	QPSK	270	0	11.68	11.79	11.74	13.5	0.0
100	16QAM	1	1	11.63	11.72	11.67	13.5	0.0
100	64QAM	1	1	11.65	11.75	11.68	13.5	0.0
100	256QAM	1	1	11.72	11.70	11.69	13.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.72	11.73	11.65	13.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.60	11.68	11.62	13.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	11.71	11.76	11.71	13.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	11.60	11.70	11.69	13.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	11.64	11.61	11.71	13.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	11.64	11.81	11.71	13.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	11.73	11.77	11.63	13.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	11.70	11.70	11.67	13.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.61	11.80	11.65	13.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	11.61	11.69	11.64	13.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.60	11.81	11.64	13.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	14.61	14.84	14.82		
100	P12 BPSK	1	137	14.59	14.79	14.71	16.5	0.0
100	P12 BPSK	1	271	14.64	14.70	14.72		
100	P12 BPSK	135	0	14.63	14.80	14.80	16.5	0.0
100	P12 BPSK	135	69	14.56	14.77	14.75	16.5	0.0
100	P12 BPSK	135	138	14.58	14.70	14.79	16.5	0.0
100	P12 BPSK	270	0	14.66	14.77	14.82		
100	QPSK	1	1	14.71	14.85	14.85		
100	QPSK	1	137	14.65	14.75	14.76	16.5	0.0
100	QPSK	1	271	14.58	14.76	14.72		
100	QPSK	135	0	14.60	14.73	14.69		
100	QPSK	135	69	14.63	14.83	14.71	16.5	0.0
100	QPSK	135	138	14.66	14.70	14.75		
100	QPSK	270	0	14.67	14.80	14.78	16.5	0.0
100	16QAM	1	1	14.70	14.80	14.72	16.5	0.0
100	64QAM	1	1	14.66	14.84	14.77	16.5	0.0
100	256QAM	1	1	14.56	14.78	14.72	16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.65	14.70	14.73	16.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.67	14.76	14.81	16.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.69	14.71	14.81	16.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.61	14.74	14.83	16.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.65	14.77	14.84	16.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.69	14.74	14.70	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.62	14.72	14.80	16.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.58	14.73	14.77	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.67	14.73	14.81	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.56	14.77	14.76	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.62	14.70	14.77	16.5	0.0

Part27Q_n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1		10.79			
100	P12 BPSK	1	137		10.91		12.5	0.0
100	P12 BPSK	1	271		10.85			
100	P12 BPSK	135	0		10.88		12.5	0.0
100	P12 BPSK	135	69		10.81		12.5	0.0
100	P12 BPSK	135	138		10.82		12.5	0.0
100	P12 BPSK	270	0		10.93			
100	QPSK	1	1		10.84			
100	QPSK	1	137		10.79		12.5	0.0
100	QPSK	1	271		10.85			
100	QPSK	135	0		10.79			
100	QPSK	135	69		10.83		12.5	0.0
100	QPSK	135	138		10.86			
100	QPSK	270	0		10.86		12.5	0.0
100	16QAM	1	1		10.92		12.5	0.0
100	64QAM	1	1		10.86		12.5	0.0
100	256QAM	1	1		10.83		12.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	10.79	10.88	10.91	12.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	10.84	10.92	10.89	12.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	10.80	10.89	10.90	12.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633332	635666	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	10.79	10.92	10.93	12.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633332	636000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	10.82	10.89	10.83	12.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633332	636332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	10.81	10.88	10.82	12.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633332	636666	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	10.86	10.84	10.89	12.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630668	633332	637000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	10.82	10.82	10.87	12.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630332	633332	637332	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	10.89	10.83	10.90	12.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630000	633332	637666	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	10.87	10.82	10.81	12.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	629668	633332	638000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	10.85	10.89	10.86	12.5	0.0

Part27Q_n77(HPUe)_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				63332	63332	63332				
Frequency (MHz)				3469.98	3469.98	3469.98				
100	P22 BPSK	1	1	13.70						
100	P22 BPSK	1	137	13.68			15.5	0.0		
100	P22 BPSK	1	271	13.61						
100	P22 BPSK	135	0	13.80			15.5	0.0		
100	P22 BPSK	135	69	13.81			15.5	0.0		
100	P22 BPSK	135	138	13.70			15.5	0.0		
100	P22 BPSK	270	0	13.69						
100	QPSK	1	1	13.65						
100	QPSK	1	137	13.81			15.5	0.0		
100	QPSK	1	271	13.72						
100	QPSK	135	0	13.73			15.5	0.0		
100	QPSK	135	69	13.61						
100	QPSK	135	138	13.78						
100	QPSK	270	0	13.73			15.5	0.0		
100	16QAM	1	1	13.65			15.5	0.0		
100	64QAM	1	1	13.80			15.5	0.0		
100	256QAM	1	1	13.70			15.5	0.0		
Channel				63300	63332	63366	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3495	3499.98	3504.99				
80	QPSK	1	1	13.75	13.70	13.72	15.5	0.0		
Channel				63268	63332	63400	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3490.02	3499.98	3510				
80	QPSK	1	1	13.81	13.81	13.79	15.5	0.0		
Channel				64234	63332	63432	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3485.01	3499.98	3514.98				
70	QPSK	1	1	13.74	13.76	13.69	15.5	0.0		
Channel				63200	63332	63466	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3480	3499.98	3519.99				
60	QPSK	1	1	13.85	13.80	13.82	15.5	0.0		
Channel				63168	63332	63500	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3475.02	3499.98	3525				
50	QPSK	1	1	13.75	13.80	13.82	15.5	0.0		
Channel				63134	63332	63532	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3470.01	3499.98	3529.98				
40	QPSK	1	1	13.79	13.75	13.76	15.5	0.0		
Channel				63100	63332	63566	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3465	3499.98	3534.99				
30	QPSK	1	1	13.74	13.75	13.76	15.5	0.0		
Channel				63064	63332	63592	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3462.21	3499.98	3537.48				
25	QPSK	1	1	13.69	13.80	13.75	15.5	0.0		
Channel				63068	63332	63600	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3460.02	3499.98	3540				
20	QPSK	1	1	13.81	13.72	13.80	15.5	0.0		
Channel				63030	63332	63636	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3457.5	3499.98	3542.49				
15	QPSK	1	1	13.76	13.80	13.74	15.5	0.0		
Channel				63034	63332	63632	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3455.61	3499.98	3544.98				
10	QPSK	1	1	13.75	13.80	13.69	15.5	0.0		

Part27O_n77_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				68000	68000	68000				
Frequency (MHz)				3750	3840	3930				
100	P22 BPSK	1	1	11.00	11.12	10.99				
100	P22 BPSK	1	137	11.00	11.13	10.92	12.5	0.0		
100	P22 BPSK	1	271	10.98	11.13	10.90				
100	P22 BPSK	135	0	10.99	11.15	10.90	12.5	0.0		
100	P22 BPSK	135	69	10.95	11.11	11.02	12.5	0.0		
100	P22 BPSK	135	138	10.96	11.03	11.00	12.5	0.0		
100	P22 BPSK	270	0	10.87	11.07	11.01				
100	QPSK	1	1	11.02	11.17	11.05				
100	QPSK	1	137	10.97	11.07	10.92	12.5	0.0		
100	QPSK	1	271	10.94	11.12	11.03				
100	QPSK	135	0	10.92	11.04	10.86				
100	QPSK	135	69	11.01	11.12	11.01	12.5	0.0		
100	QPSK	135	138	10.94	11.09	10.89				
100	QPSK	270	0	10.98	11.08	10.95	12.5	0.0		
100	16QAM	1	1	10.92	11.10	10.99	12.5	0.0		
100	64QAM	1	1	10.91	11.15	11.00	12.5	0.0		
100	256QAM	1	1	10.97	11.08	10.97	12.5	0.0		
Channel				64868	65000	64932	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3745.02	3840	3934.98				
90	QPSK	1	1	10.92	11.10	11.03	12.5	0.0		
Channel				64834	65000	64966	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3939.99				
80	QPSK	1	1	10.89	11.09	10.91	12.5	0.0		
Channel				64800	65000	64930	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	10.98	11.08	10.94	12.5	0.0		
Channel				64868	65000	64932	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3730.01	3840	3944.98				
60	QPSK	1	1	10.96	11.03	11.02	12.5	0.0		
Channel				64834	65000	64966	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3725.01	3840	3944.99				
50	QPSK	1	1	10.87	11.10	11.02	12.5	0.0		
Channel				64800	65000	64900	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	10.96	11.04	10.96	12.5	0.0		
Channel				64768	65000	64932	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	10.97	11.16	11.03	12.5	0.0		
Channel				64790	65000	64900	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3712.5	3840	3967.5				
25	QPSK	1	1	11.00	11.00	10.95	12.5	0.0		
Channel				64734	65000	64966	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3710.01	3840	3969.99				
20	QPSK	1	1	10.91	11.10	10.92	12.5	0.0		
Channel				64715	65000	64900	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3707.52	3840	3972.48				
15	QPSK	1	1	10.97	11.16	10.98	12.5	0.0		
Channel				64700	65000	64900	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	10.93	11.11	11.03	12.5	0.0		

Part27O_n77(HPUe)_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				68000	68000	68000				
Frequency (MHz)				3750	3840	3930				
100	P22 BPSK	1	1	13.80	13.85	13.74				
100	P22 BPSK	1	137	13.81	13.93	13.79	15.5	0.0		
100	P22 BPSK	1	271	13.84	13.81	13.82				
100	P22 BPSK	135	0	13.84	13.92	13.70	15.5	0.0		
100	P22 BPSK	135	69	13.80	13.84	13.81	15.5	0.0		
100	P22 BPSK	135	138	13.85	13.81	13.69	15.5	0.0		
100	P22 BPSK	270	0	13.78	13.93	13.76				
100	QPSK	1	1	13.95	13.94	13.83				
100	QPSK	1	137	13.74	13.86	13.78	15.5	0.0		
100	QPSK	1	271	13.79	13.83	13.81				
100	QPSK	135	0	13.75	13.87	13.77				
100	QPSK	135	69	13.78	13.92	13.80	15.5	0.0		
100	QPSK	135	138	13.71	13.85	13.73	15.5	0.0		
100	QPSK	270	0	13.70	13.88	13.75	15.5	0.0		
100	16QAM	1	1	13.83	13.80	13.81	15.5	0.0		
100	64QAM	1	1	13.85	13.91	13.73	15.5	0.0		
100	256QAM	1	1	13.83	13.84	13.68	15.5	0.0		
Channel				68000	68000	68000				
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	13.83	13.84	13.76	15.5	0.0		
Channel				68435.34	68600	68206	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3748.98	3840	3935.02	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	13.75	13.79	13.82	15.5	0.0		
Channel				68000	68600	68500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	13.85	13.91	13.82	15.5	0.0		
Channel				68466.66	68200	68332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	13.84	13.85	13.73	15.5	0.0		
Channel				68435.34	68600	68306	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3734.98	3840	3954.02	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	13.83	13.88	13.71	15.5	0.0		
Channel				68000	68600	68400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	13.77	13.81	13.82	15.5	0.0		
Channel				68768	68000	68632	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3964.98	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	13.87	13.79	13.76	15.5	0.0		
Channel				68122	68000	68500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.5	3840	3967.5	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	13.73	13.80	13.80	15.5	0.0		
Channel				68435.34	68600	68466	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3719.02	3840	3969.98	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	13.76	13.91	13.75	15.5	0.0		
Channel				68768	68600	68482	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3717.52	3840	3972.48	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	13.84	13.79	13.68	15.5	0.0		
Channel				68000	68000	68000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	13.73	13.86	13.79	15.5	0.0		

Part270_n77(HPUe)_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	26.15	26.80	26.87				
100	P12 BPSK	1	137	26.02	26.59	26.60	27.0	0.0		
100	P12 BPSK	1	271	26.07	26.77	26.71				
100	P12 BPSK	135	0	26.42	26.04	26.04	26.5	0.5		
100	P12 BPSK	135	69	25.96	26.61	26.68	27.0	0.0		
100	P12 BPSK	135	138	26.04	26.45	26.47		0.5		
100	P12 BPSK	270	0	25.80	26.32	26.34				
100	QPSK	1	1	26.15	26.88	26.84				
100	QPSK	1	137	26.03	26.70	26.74	27.0	0.0		
100	QPSK	1	271	25.94	26.63	26.54				
100	QPSK	135	0	25.21	25.82	25.91				
100	QPSK	135	69	25.12	26.70	26.71	27.0	0.0		
100	QPSK	135	138	26.04	26.62	26.58				
100	QPSK	270	0	25.11	25.85	25.83	26.0	1.0		
100	16QAM	1	1	25.16	25.93	25.80	26.0	1.0		
100	64QAM	1	1	23.30	24.07	24.10	24.5	2.5		
100	256QAM	1	1	21.41	22.16	22.08	22.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	3745.02	3745	3745.88		0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	26.14	26.80	26.72	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	26.17	26.84	26.68	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	26.17	26.83	26.82	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	26.15	26.83	26.69	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	26.15	26.83	26.69	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	26.17	26.82	26.81	27.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	26.09	26.75	26.76	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	26.07	26.86	26.77	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	26.07	26.84	26.83	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	26.13	26.83	26.69	27.0	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										
Frequency (MHz)										
100	P12 BPSK	1	1		12.89					
100	P12 BPSK	1	137		12.83		14.5	0.0		
100	P12 BPSK	1	271		12.94					
100	P12 BPSK	135	0		12.86		14.5	0.0		
100	P12 BPSK	135	69		12.92		14.5	0.0		
100	P12 BPSK	135	138		12.94		14.5	0.0		
100	P12 BPSK	270	0		12.97					
100	QPSK	1	1		12.98					
100	QPSK	1	137		12.93		14.5	0.0		
100	QPSK	1	271		12.94					
100	QPSK	135	0		12.90					
100	QPSK	135	69		12.96		14.5	0.0		
100	QPSK	135	138		12.83					
100	QPSK	270	0		12.88		14.5	0.0		
100	16QAM	1	1		12.84		14.5	0.0		
100	64QAM	1	1		12.92		14.5	0.0		
100	256QAM	1	1		12.95		14.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	633000	633332	633686	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	630688	633332	634000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	12.89	12.93	12.91	14.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	12.95	12.97	12.88	14.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	12.86	12.87	12.96	14.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	12.83	12.83	12.85	14.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	12.89	12.96	12.84	14.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	12.88	12.83	12.91	14.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	12.90	12.85	12.89	14.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	12.85	12.85	12.89	14.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	12.89	12.92	12.93	14.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	12.94	12.93	12.86	14.5	0.0		

Part27Q_n77(HPUe)_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)										
100	P12 BPSK	1	1		15.73					
100	P12 BPSK	1	137		15.77		17.5	0.0		
100	P12 BPSK	1	271		15.70					
100	P12 BPSK	135	0		15.77		17.5	0.0		
100	P12 BPSK	135	69		15.76		17.5	0.0		
100	P12 BPSK	135	138		15.77		17.5	0.0		
100	P12 BPSK	270	0		15.78					
100	QPSK	1	1		15.82					
100	QPSK	1	137		15.69		17.5	0.0		
100	QPSK	1	271		15.76					
100	QPSK	135	0		15.70					
100	QPSK	135	69		15.75		17.5	0.0		
100	QPSK	135	138		15.70					
100	QPSK	270	0		15.76		17.5	0.0		
100	16QAM	1	1		15.74		17.5	0.0		
100	64QAM	1	1		15.73		17.5	0.0		
100	256QAM	1	1		15.70		17.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63500	63532	63566	Tune-up limit (dbm)	MPR (db)		
				3495	3499	3504				
90	QPSK	1	1	15.70	15.78	15.71	17.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	63509	63532	63400	Tune-up limit (dbm)	MPR (db)		
				3495	3499	3510				
80	QPSK	1	1	15.79	15.73	15.74	17.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	63534	63532	63432	Tune-up limit (dbm)	MPR (db)		
				3485.01	3499.98	3514.98				
70	QPSK	1	1	15.70	15.75	15.70	17.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63500	63532	63466	Tune-up limit (dbm)	MPR (db)		
				3490	3499.98	3519.99				
60	QPSK	1	1	15.71	15.81	15.72	17.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63168	63532	63600	Tune-up limit (dbm)	MPR (db)		
				3475.02	3499.98	3505				
50	QPSK	1	1	15.69	15.75	15.68	17.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	63134	63532	63632	Tune-up limit (dbm)	MPR (db)		
				3470.01	3499.98	3529.98				
40	QPSK	1	1	15.68	15.72	15.61	17.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	63100	63532	63566	Tune-up limit (dbm)	MPR (db)		
				3465	3499.98	3534.99				
30	QPSK	1	1	15.78	15.81	15.81	17.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	63075	63532	63582	Tune-up limit (dbm)	MPR (db)		
				3472.01	3499.98	3537.48				
25	QPSK	1	1	15.79	15.81	15.76	17.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63532	63600	Tune-up limit (dbm)	MPR (db)		
				3467.02	3499.98	3542.49				
20	QPSK	1	1	15.80	15.71	15.61	17.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	63050	63532	63616	Tune-up limit (dbm)	MPR (db)		
				3457.5	3499.98	3542.49				
15	QPSK	1	1	15.69	15.68	15.75	17.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	63532	63532	63532	Tune-up limit (dbm)	MPR (db)		
				3455.01	3499.98	3544.98				
10	QPSK	1	1	15.81	15.73	15.70	17.5	0.0		

Part27Q_n78(HPUE)_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										
Frequency (MHz)										
100	P22 BPSK	1	1	14.86	3693.92					
100	P22 BPSK	1	137	14.86			16.5	0.0		
100	P22 BPSK	1	271	14.90						
100	P22 BPSK	135	0	14.80			16.5	0.0		
100	P22 BPSK	135	69	14.80			16.5	0.0		
100	P22 BPSK	135	138	14.86						
100	P22 BPSK	270	0	14.81			16.5	0.0		
100	QPSK	1	1	14.81						
100	QPSK	1	137	14.76			16.5	0.0		
100	QPSK	1	271	14.77						
100	QPSK	135	0	14.87			16.5	0.0		
100	QPSK	135	69	14.80						
100	QPSK	135	138	14.77						
100	QPSK	270	0	14.83			16.5	0.0		
100	16QAM	1	1	14.90			16.5	0.0		
100	64QAM	1	1	14.88			16.5	0.0		
100	256QAM	1	1	14.81			16.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	14.78	3693.92	3696.96	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
90	QPSK	1	1	14.78	3698.98	3694.94	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.78	3693.92	3694.00	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.78	3698.98	3693.92	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.87	3698.98	3514.08	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.87	3693.92	3509.96	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.79	3698.98	3519.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.79	3693.92	3505.96	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.80	3698.98	3521.00	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.80	3693.92	3516.94	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.86	3698.98	3529.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.86	3693.92	3519.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.76	3698.98	3534.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.76	3693.92	3529.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
25	QPSK	1	1	14.90	3698.98	3544.96	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
25	QPSK	1	1	14.90	3693.92	3539.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.77	3698.98	3550.00	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.77	3693.92	3545.00	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.84	3698.98	3562.00	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.84	3693.92	3557.00	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.78	3698.98	3574.96	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.78	3693.92	3569.99	Tune-up limit (dBm)	MPR (dB)		

Part27O_n78_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									
Frequency (MHz)									
100	P22 BPSK	1	1	11.76					
100	P22 BPSK	1	137	11.72			13.5	0.0	
100	P22 BPSK	1	271	11.73					
100	P22 BPSK	135	0	11.79			13.5	0.0	
100	P22 BPSK	135	69	11.76			13.5	0.0	
100	P22 BPSK	135	138	11.72					
100	P22 BPSK	270	0	11.83			13.5	0.0	
100	QPSK	1	1	11.84					
100	QPSK	1	137	11.71			13.5	0.0	
100	QPSK	1	271	11.73					
100	QPSK	135	0	11.73			13.5	0.0	
100	QPSK	135	69	11.81					
100	QPSK	135	138	11.76					
100	QPSK	270	0	11.77			13.5	0.0	
100	16QAM	1	1	11.71			13.5	0.0	
100	64QAM	1	1	11.79			13.5	0.0	
100	256QAM	1	1	11.80			13.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	11.83	11.77	11.73	13.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.83	11.70	11.69	13.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	11.69	11.82	11.82	13.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	11.70	11.72	11.78	13.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	11.72	11.83	11.80	13.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.70	11.72	11.78	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.73	11.74	11.80	13.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.69	11.71	11.69	13.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.72	11.75	11.80	13.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	11.72	11.73	11.82	13.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	11.81	11.82	11.73	13.5	0.0	

Part27O_n78(HPUe)_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										
Frequency (MHz)										
100	P22 BPSK	1	1	14.65	65000	14.65				
100	P22 BPSK	1	137	14.73			16.5	0.0		
100	P22 BPSK	1	271	14.74						
100	P22 BPSK	135	0	14.75			16.5	0.0		
100	P22 BPSK	135	69	14.64			16.5	0.0		
100	P22 BPSK	135	138	14.61						
100	P22 BPSK	270	0	14.67			16.5	0.0		
100	QPSK	1	1	14.76						
100	QPSK	1	137	14.71			16.5	0.0		
100	QPSK	1	271	14.68						
100	QPSK	135	0	14.69			16.5	0.0		
100	QPSK	135	69	14.71						
100	QPSK	135	138	14.64						
100	QPSK	270	0	14.71			16.5	0.0		
100	16QAM	1	1	14.61			16.5	0.0		
100	64QAM	1	1	14.61			16.5	0.0		
100	256QAM	1	1	14.69			16.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	14.69	65000	65002	Tune-up limit (dBm)	MPR (dB)		
				3740.92	3750	3754.98				
90	QPSK	1	1	14.70	14.75	14.62	16.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.60	65000	65006	Tune-up limit (dBm)	MPR (dB)		
				3742.01	3750	3760.99				
80	QPSK	1	1	14.73	14.73	14.69	16.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.39	3750	3765	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	14.69	14.62	14.66	16.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.70	65000	65012	Tune-up limit (dBm)	MPR (dB)		
				3751.02	3750	3760.98				
60	QPSK	1	1	14.71	14.69	14.64	16.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.63	65000	65166	Tune-up limit (dBm)	MPR (dB)		
				3723.91	3750	3774.99				
50	QPSK	1	1	14.73	14.63	14.73	16.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.60	65000	65200	Tune-up limit (dBm)	MPR (dB)		
				3750	3750	3760				
40	QPSK	1	1	14.64	14.73	14.62	16.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.60	65000	65232	Tune-up limit (dBm)	MPR (dB)		
				3715.02	3750	3764.98				
30	QPSK	1	1	14.75	14.61	14.61	16.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.70	65000	65260	Tune-up limit (dBm)	MPR (dB)		
				3747.00	3750	3767.98				
20	QPSK	1	1	14.74	14.68	14.67	16.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.73	65000	65266	Tune-up limit (dBm)	MPR (dB)		
				3710.91	3750	3769.99				
20	QPSK	1	1	14.62	14.62	14.64	16.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.68	65000	65262	Tune-up limit (dBm)	MPR (dB)		
				3707.52	3750	3762.48				
15	QPSK	1	1	14.69	14.72	14.68	16.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.70	65000	65300	Tune-up limit (dBm)	MPR (dB)		
				3746	3750	3764				
10	QPSK	1	1	14.62	14.64	14.71	16.5	0.0		

Part27Q_n78_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)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	10.87					
100	P12 BPSK	1	137	10.80			12.5	0.0	
100	P12 BPSK	1	271	10.97					
100	P12 BPSK	135	0	10.78			12.5	0.0	
100	P12 BPSK	135	69	10.77			12.5	0.0	
100	P12 BPSK	135	138	10.88			12.5	0.0	
100	P12 BPSK	270	0	10.77					
100	QPSK	1	1	10.85					
100	QPSK	1	137	10.79			12.5	0.0	
100	QPSK	1	271	10.82					
100	QPSK	135	0	10.78			12.5	0.0	
100	QPSK	135	69	10.80					
100	QPSK	135	138	10.81					
100	QPSK	270	0	10.84			12.5	0.0	
100	16QAM	1	1	10.78			12.5	0.0	
100	64QAM	1	1	10.85			12.5	0.0	
100	256QAM	1	1	10.78			12.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	10.83	10.77	10.87	12.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	10.777	10.80	10.86	12.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	10.88	10.83	10.76	12.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	10.79	10.80	10.81	12.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	10.81	10.87	10.88	12.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.87	10.79	10.89	12.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	10.85	10.88	10.76	12.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	10.79	10.83	10.81	12.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	10.777	10.82	10.86	12.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	10.89	10.81	10.80	12.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	10.87	10.85	10.80	12.5	0.0	

Part27Q_n78(HPUE)_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)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	13.79					
100	P12 BPSK	1	137	13.78			15.5	0.0	
100	P12 BPSK	1	271	13.76					
100	P12 BPSK	135	0	13.69			15.5	0.0	
100	P12 BPSK	135	69	13.71			15.5	0.0	
100	P12 BPSK	135	138	13.77			15.5	0.0	
100	P12 BPSK	270	0	13.72					
100	QPSK	1	1	13.83					
100	QPSK	1	137	13.81			15.5	0.0	
100	QPSK	1	271	13.74					
100	QPSK	135	0	13.78			15.5	0.0	
100	QPSK	135	69	13.70					
100	QPSK	135	138	13.74					
100	QPSK	270	0	13.76			15.5	0.0	
100	16QAM	1	1	13.68			15.5	0.0	
100	64QAM	1	1	13.81			15.5	0.0	
100	256QAM	1	1	13.78			15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.71	13.71	13.72	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.75	13.69	13.77	15.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.82	13.73	13.74	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.81	13.79	13.71	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.82	13.73	13.74	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.68	13.82	13.72	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.69	13.80	13.77	15.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.70	13.69	13.70	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.75	13.71	13.73	15.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.77	13.73	13.72	15.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.69	13.69	13.70	15.5	0.0	

Part27O_n78_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)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	10.84					
100	P12 BPSK	1	137	10.85			12.5	0.0	
100	P12 BPSK	1	271	10.90					
100	P12 BPSK	135	0	10.86			12.5	0.0	
100	P12 BPSK	135	69	10.88			12.5	0.0	
100	P12 BPSK	135	138	10.90			12.5	0.0	
100	P12 BPSK	270	0	10.79			12.5	0.0	
100	QPSK	1	1	10.82					
100	QPSK	1	137	10.79			12.5	0.0	
100	QPSK	1	271	10.86					
100	QPSK	135	0	10.75			12.5	0.0	
100	QPSK	135	69	10.85					
100	QPSK	135	138	10.78					
100	QPSK	270	0	10.83			12.5	0.0	
100	16QAM	1	1	10.86			12.5	0.0	
100	64QAM	1	1	10.83			12.5	0.0	
100	256QAM	1	1	10.77			12.5	0.0	
Channel									
Frequency (MHz)									
3745.02				650000	650000	650332	Tune-up limit (dBm)	MFR (dB)	
90	QPSK	1	1	10.79	10.79	10.91	12.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	647334	650000	650696	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3745.02	3750	3754.98	12.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	10.78	10.82	10.85	12.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	653334	650000	653332	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3745.02	3750	3750	12.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	10.81	10.81	10.80	12.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	653334	650000	651696	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
0	QPSK	1	1	3745.02	3750	3754.98	12.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	10.83	10.82	10.81	12.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647968	650000	652332	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3715.02	3750	3764.98	12.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	10.87	10.79	10.88	12.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647200	650000	652500	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3712.52	3750	3767.5	12.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	10.79	10.88	10.82	12.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647334	650000	650696	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	3718.02	3750	3763.98	12.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	10.80	10.90	10.84	12.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	647168	650000	652632	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
0	QPSK	1	1	3707.52	3750	3762.48	12.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	10.78	10.89	10.84	12.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
0	QPSK	1	1	3705	3750	3765	12.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	10.82	10.84	10.90	12.5	0.0	

Part270_n78(HPUe)_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1		13.63					
100	P12 BPSK	1	137		13.72		15.5	0.0		
100	P12 BPSK	1	271		13.60					
100	P12 BPSK	135	0		13.72		15.5	0.0		
100	P12 BPSK	135	69		13.63		15.5	0.0		
100	P12 BPSK	135	138		13.58		15.5	0.0		
100	P12 BPSK	270	0		13.59					
100	QPSK	1	1		13.72					
100	QPSK	1	137		13.59		15.5	0.0		
100	QPSK	1	271		13.71					
100	QPSK	135	0		13.65					
100	QPSK	135	69		13.70		15.5	0.0		
100	QPSK	135	138		13.68					
100	QPSK	270	0		13.68		15.5	0.0		
100	16QAM	1	1		13.59		15.5	0.0		
100	64QAM	1	1		13.65		15.5	0.0		
100	256QAM	1	1		13.68		15.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	6499.68	6500.00	6503.32	Tune-up limit (dBm)	MPR (dB)		
				3743.02	3750	3754.88				
80	QPSK	1	1	13.72	13.59	13.66	15.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	6493.34	6500.00	6506.66	Tune-up limit (dBm)	MPR (dB)		
				3748.31	3750	3751.69				
80	QPSK	1	1	13.62	13.67	13.67	15.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	6499.68	6500.00	6510.00	Tune-up limit (dBm)	MPR (dB)		
				3735	3750	3765				
70	QPSK	1	1	13.67	13.69	13.67	15.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	6499.68	6500.00	6515.52	Tune-up limit (dBm)	MPR (dB)		
				3730.02	3750	3769.88				
60	QPSK	1	1	13.61	13.72	13.60	15.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	6493.34	6500.00	6516.66	Tune-up limit (dBm)	MPR (dB)		
				3725.01	3750	3774.89				
50	QPSK	1	1	13.68	13.66	13.68	15.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	6490.00	6500.00	6520.00	Tune-up limit (dBm)	MPR (dB)		
				3720	3750	3780				
40	QPSK	1	1	13.71	13.64	13.63	15.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	6476.68	6500.00	6523.32	Tune-up limit (dBm)	MPR (dB)		
				3715.02	3750	3784.88				
30	QPSK	1	1	13.70	13.65	13.70	15.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	6475.00	6500.00	6525.00	Tune-up limit (dBm)	MPR (dB)		
				3712.5	3750	3787.5				
25	QPSK	1	1	13.72	13.70	13.60	15.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	6473.34	6500.00	6526.66	Tune-up limit (dBm)	MPR (dB)		
				3710.01	3750	3790.99				
20	QPSK	1	1	13.72	13.68	13.59	15.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	6471.68	6500.00	6528.32	Tune-up limit (dBm)	MPR (dB)		
				3707.52	3750	3792.48				
15	QPSK	1	1	13.63	13.61	13.67	15.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	6470.00	6500.00	6530.00	Tune-up limit (dBm)	MPR (dB)		
				3705	3750	3795				
10	QPSK	1	1	13.65	13.67	13.62	15.5	0.0		

Part27Q_n78_Ant 10										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mid. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1		22.28					
100	P12 BPSK	1	137		22.24		24.0	0.0		
100	P12 BPSK	1	271		22.25					
100	P12 BPSK	135	0		22.29		24.0	0.0		
100	P12 BPSK	135	69		22.20		24.0	0.0		
100	P12 BPSK	135	138		22.32		24.0	0.0		
100	P12 BPSK	270	0		22.28					
100	QPSK	1	1		22.34					
100	QPSK	1	137		22.10		24.0	0.0		
100	QPSK	1	271		22.13					
100	QPSK	135	0		22.30		24.0	0.0		
100	QPSK	135	69		22.32					
100	QPSK	135	138		22.20					
100	QPSK	270	0		22.28		24.0	0.0		
100	16QAM	1	1		22.20		24.0	0.0		
100	16QAM	1	1		22.14		24.0	0.0		
100	256QAM	1	1		20.54		22.5	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3499.98	3504.99	3504.99				
90	QPSK	1	1	22.18	22.25	22.19	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3480.99	3499.98	3518.99				
80	QPSK	1	1	22.14	22.26	22.19	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3485.01	3499.98	3514.98				
70	QPSK	1	1	22.11	22.26	22.03	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3480.99	3499.98	3518.99				
60	QPSK	1	1	22.29	22.18	22.28	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3475.02	3499.98	3505.98				
50	QPSK	1	1	22.07	22.16	22.31	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3499.98	3529.98				
40	QPSK	1	1	22.16	22.09	22.17	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3465.99	3499.98	3534.99				
30	QPSK	1	1	22.22	22.02	22.22	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3462.51	3499.98	3537.48				
25	QPSK	1	1	22.17	22.18	22.04	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3462.51	3499.98	3537.48				
20	QPSK	1	1	22.20	22.15	22.21	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3457.5	3499.98	3542.49				
15	QPSK	1	1	22.25	22.14	22.18	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)		
				3455.01	3499.98	3544.98				
10	QPSK	1	1	22.07	22.12	22.03	24.0	0.0		

Part27Q_n78(HPUe)_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		25.17					
100	P12 BPSK	1	137		25.15		27.0	0.0		
100	P12 BPSK	1	271		25.11					
100	P12 BPSK	135	0		24.85		26.5	0.5		
100	P12 BPSK	135	69		25.13		27.0	0.0		
100	P12 BPSK	135	138		24.68		26.5	0.5		
100	P12 BPSK	270	0		24.65					
100	QPSK	1	1		25.20					
100	QPSK	1	137		25.02		27.0	0.0		
100	QPSK	1	271		25.10					
100	QPSK	135	0		24.19		27.0	0.0		
100	QPSK	135	69		25.17					
100	QPSK	135	138		24.02					
100	QPSK	270	0		24.05		26.0	1.0		
100	16QAM	1	1		24.18		26.0	1.0		
100	16QAM	1	1		22.53		24.5	2.5		
100	256QAM	1	1		20.51		22.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
90	QPSK	1	1	25.13	25.15	25.18	27.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
80	QPSK	1	1	25.05	25.17	25.05	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
70	QPSK	1	1	25.02	25.15	25.00	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
60	QPSK	1	1	25.14	25.12	25.19	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
50	QPSK	1	1	25.01	25.00	25.17	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
40	QPSK	1	1	25.11	25.01	25.08	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
30	QPSK	1	1	25.15	25.00	25.18	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
20	QPSK	1	1	25.08	25.17	25.04	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
15	QPSK	1	1	25.18	25.01	25.00	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR		
				3499.98	3504.99	3504.99				
10	QPSK	1	1	25.06	25.05	25.03	27.0	0.0		

Part27Q_n78(HPUE)_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	Pl2 BPSK	1	1	15.84					
100	Pl2 BPSK	1	137	15.77			17.5	0.0	
100	Pl2 BPSK	1	271	15.81					
100	Pl2 BPSK	135	0	15.82			17.5	0.0	
100	Pl2 BPSK	135	69	15.74			17.5	0.0	
100	Pl2 BPSK	135	138	15.79			17.5	0.0	
100	Pl2 BPSK	270	0	15.83					
100	QPSK	1	1	15.85					
100	QPSK	1	137	15.72			17.5	0.0	
100	QPSK	1	271	15.74					
100	QPSK	135	0	15.68			17.5	0.0	
100	QPSK	135	69	15.81					
100	QPSK	135	138	15.75					
100	QPSK	270	0	15.80			17.5	0.0	
100	16QAM	1	1	15.77			17.5	0.0	
100	64QAM	1	1	15.71			17.5	0.0	
100	256QAM	1	1	15.79			17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3499.98	3504.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3496.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.75	15.81	15.79	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3485.01	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.74	15.80	15.84	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631868	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3475.02	3499.98	3525	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	3465	3499.98	3504.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.76	15.82	15.73	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3462.51	3489.98	3507.49	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.81	15.80	15.77	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3458.01	3499.98	3504.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.82	15.83	15.79	17.5	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)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	13.11					
100	PQ2 BPSK	1	137	13.02			14.5	0.0	
100	PQ2 BPSK	1	271	13.08					
100	PQ2 BPSK	135	0	13.07			14.5	0.0	
100	PQ2 BPSK	135	69	12.99			14.5	0.0	
100	PQ2 BPSK	135	138	13.04			14.5	0.0	
100	PQ2 BPSK	270	0	13.08					
100	QPSK	1	1	13.12					
100	QPSK	1	137	12.98			14.5	0.0	
100	QPSK	1	271	12.97					
100	QPSK	135	0	12.98			14.5	0.0	
100	QPSK	135	69	13.11					
100	QPSK	135	138	12.98					
100	QPSK	270	0	13.10			14.5	0.0	
100	16QAM	1	1	13.01			14.5	0.0	
100	64QAM	1	1	13.10			14.5	0.0	
100	256QAM	1	1	13.09			14.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64998	65000	65032	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3740.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	648334	65000	650968	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3759.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	648332	65000	651332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3740.02	3750	3759.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	65000	651868	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3740.01	3750	3769.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648000	65000	652000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3730.02	3750	3780	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	647668	65000	652332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3710.01	3750	3784.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647000	65000	652500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	3705.02	3750	3787.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.01	12.98	13.05	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	65000	652668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3740.01	3750	3789.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.09	13.06	13.02	14.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	65000	652832	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3707.52	3750	3792.48	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.10	12.98	12.99	14.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Power Ch. F. / Freq 374000	Power Power Ch. F. / Freq 376000	Power Power Ch. F. / Freq 378000	Turn-up limit (dBm)	MPR (dB)
Channel								
40	PQ2 BPSK	1	1	20.24	20.28	20.30		
40	PQ2 BPSK	1	106	20.25	20.38	20.18	22.0	0.0
40	PQ2 BPSK	1	214	20.28	20.28	20.28		
40	PQ2 BPSK	108	0	20.25	20.31	20.24	22.0	0.0
40	PQ2 BPSK	108	56	20.29	20.31	20.29	22.0	0.0
40	PQ2 BPSK	108	106	20.28	20.32	20.23	22.0	0.0
40	PQ2 BPSK	216	0	20.28	20.32	20.26		
40	QPSK	1	1	20.28	20.30	20.31		
40	QPSK	1	108	20.33	20.33	20.31	22.0	0.0
40	QPSK	1	214	20.22	20.32	20.21		
40	QPSK	108	0	20.18	20.21	20.18	22.0	0.0
40	QPSK	108	54	20.33	20.36	20.25	22.0	0.0
40	QPSK	108	108	20.32	20.38	20.18	22.0	0.0
40	QPSK	216	0	20.32	20.34	20.23		
40	16QAM	1	1	20.24	20.24	20.24	22.0	0.0
40	84QAM	1	1	19.61	19.64	19.63	21.5	0.5
40	296QAM	1	1	17.61	17.61	17.61	19.8	2.5
Channel				375000	376000	378000	Turn-up limit	MPR
Frequency (MHz)				1667.5	1660.5	1660.5	(dBm)	(dB)
35	QPSK	1	1	20.34	20.26	20.29	22.0	0.0
Channel								
30	QPSK	1	1	19.65	19.60	19.65	Turn-up limit	MPR
Frequency (MHz)				1865	1860	1865	(dBm)	(dB)
30	QPSK	1	1	20.29	20.25	20.28	22.0	0.0
Channel				375000	376000	378000	Turn-up limit	MPR
Frequency (MHz)				1667.5	1660.5	1660.5	(dBm)	(dB)
25	QPSK	1	1	20.20	20.28	20.19	22.0	0.0
Channel								
20	QPSK	1	1	370000	376000	380000	Turn-up limit	MPR
Frequency (MHz)				1660	1660	1660	(dBm)	(dB)
20	QPSK	1	1	20.29	20.29	20.29	22.0	0.0
Channel								
15	QPSK	1	1	370000	376000	380000	Turn-up limit	MPR
Frequency (MHz)				1667.5	1660.5	1660.5	(dBm)	(dB)
10	QPSK	1	1	20.29	20.28	20.24	22.0	0.0
Channel								
5	QPSK	1	1	370000	376000	381000	Turn-up limit	MPR
Frequency (MHz)				1667.5	1660.5	1657.5	(dBm)	(dB)
5	QPSK	1	1	20.33	20.35	20.16	22.0	0.0

Reduced Power Mode for ECI 3									
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RFW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power 37400W	Power High Ch. Power 37600W	Power High Ch. Power 37800W	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1865	1885	1885			
40	P2P BPSK	1	1	17.24	17.32	17.31			
40	P2P BPSK	1	108	17.31	17.48	17.39	19.0	0.0	
40	P2P BPSK	1	214	17.23	17.45	17.33			
40	P2P BPSK	108	0	17.30	17.45	17.41	19.0	0.0	
40	P2P BPSK	108	54	17.22	17.39	17.30	19.0	0.0	
40	P2P BPSK	108	108	17.33	17.41	17.33			
40	P2P BPSK	216	0	17.27	17.44	17.30	19.0	0.0	
40	QPSK	1	1	17.36	17.47	17.45			
40	QPSK	1	108	17.31	17.42	17.30	19.0	0.0	
40	QPSK	1	214	17.31	17.49				
40	QPSK	108	0	17.28	17.30	17.35	19.0	0.0	
40	QPSK	108	54	17.29	17.39	17.37	19.0	0.0	
40	QPSK	108	108	17.14	17.34	17.25			
40	QPSK	216	0	17.22	17.32	17.20	19.0	0.0	
40	16QAM	1	1	17.21	17.32	17.39			
40	64QAM	1	1	17.22	17.36	17.30	19.0	0.0	
40	256QAM	1	1	17.34	17.36	17.30	19.0	0.0	
Channel				373500	376000	378500	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5			
35	QPSK	1	1	17.22	17.43	17.40			
Channel				373000	376000	379000	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1885			
30	QPSK	1	1	17.47	17.30	17.34	19.0	0.0	
Channel				372500	376000	379500	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1887.5			
25	QPSK	1	1	17.31	17.32	17.31	19.0	0.0	
Channel				372000	376000	380000	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1890			
20	QPSK	1	1	17.21	17.37	17.40	19.0	0.0	
Channel				371500	376000	380500	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	17.30	17.36	17.38	19.0	0.0	
Channel				371000	376000	381000	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905 <th></th> <th></th>			
10	QPSK	1	1	17.34	17.45	17.41	19.0	0.0	
Channel				370500	376000	381500	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1853.5	1880	1907.5			
5	QPSK	1	1	17.34	17.41	17.32	19.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Level [dBm]	Power Level [dBm]	Power Level [dBm]	Power Level [dBm]	Time-up time (dBm)	MPR (dB)
Channel				37450	37600	37800	37900		
Frequency (MHz)				1865	1880	1895	1900		
40	PB-PSK	1	1	17.12	17.21	17.31			
40	PB-PSK	1	108	17.07	17.22	17.12		19.0	0.0
40	PB-PSK	1	214	17.15	17.16	17.09			
40	PB-PSK	108	1	17.03	17.22	17.17		19.0	0.0
40	PB-PSK	108	54	17.08	17.25	17.07		19.0	0.0
40	PB-PSK	108	108	17.08	17.15	17.06			
40	PB-PSK	216	0	17.04	17.16	17.16		19.0	0.0
40	QPSK	1	1	17.15	17.26	17.16			
40	QPSK	1	108	17.08	17.20	17.05		19.0	0.0
40	QPSK	1	214	17.12	17.14	17.18			
40	QPSK	108	0	17.13	17.22	17.11		19.0	0.0
40	QPSK	108	54	17.15	17.24	17.17		19.0	0.0
40	QPSK	108	108	17.07	17.20	17.03			
40	QPSK	216	0	17.10	17.20	17.16		19.0	0.0
40	16QAM	1	0	17.07	17.20	17.13		19.0	0.0
40	16QAM	1	1	17.13	17.15	17.10		19.0	0.0
40	256QAM	1	1	17.11	17.23	17.04		19.0	0.0
Channel				373500	376000	378500		Time-up time (dBm)	MPR (dB)
35	QPSK	1	1	17.17	17.25	17.07		19.0	0.0
Channel				372500	376000	379000		Time-up time (dBm)	MPR (dB)
30	QPSK	1	1	18.65	18.80	18.65			
30	QPSK	1	1	17.06	17.20	17.10		19.0	0.0
Channel				372500	376000	379500		Time-up time (dBm)	MPR (dB)
25	QPSK	1	1	18.65	18.80	18.75			
25	QPSK	1	1	17.11	17.20	17.10		19.0	0.0
Channel				372000	376000	380000		Time-up time (dBm)	MPR (dB)
20	QPSK	1	1	18.60	18.80	18.60			
20	QPSK	1	1	17.08	17.21	17.13		19.0	0.0
Channel				371500	376000	380500		Time-up time (dBm)	MPR (dB)
15	QPSK	1	1	18.75	18.80	19.025			
15	QPSK	1	1	17.09	17.27	17.16		19.0	0.0
Channel				371000	376000	381000		Time-up time (dBm)	MPR (dB)
10	QPSK	1	1	18.95	18.80	19.05			
10	QPSK	1	1	17.14	17.19	17.11		19.0	0.0
Channel				370500	376000	381500		Time-up time (dBm)	MPR (dB)
5	QPSK	1	1	18.65	18.80	18.65			
5	QPSK	1	1	17.05	17.23	17.08		19.0	0.0

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16680	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				834	836.5	839			
20	PQ2 BPSK	1	1	22.28	22.35	22.32			
20	PQ2 BPSK	1	53	22.25	22.27	22.17	24.0	0.0	
20	PQ2 BPSK	1	104	22.10	22.25	22.20			
20	PQ2 BPSK	50	0	21.56	21.70	21.60	23.5	0.5	
20	PQ2 BPSK	50	28	22.12	22.17	22.06	24.0	0.0	
20	PQ2 BPSK	50	56	21.57	21.60	21.63			
20	PQ2 BPSK	100	0	21.58	21.71	21.64	23.5	0.5	
20	QPSK	1	1	22.33	22.38	22.35			
20	QPSK	1	53	22.23	22.31	22.27	24.0	0.0	
20	QPSK	1	104	22.16	22.29	22.24			
20	QPSK	50	0	21.14	21.23	21.15	23.0	1.0	
20	QPSK	50	28	22.13	22.22	22.15	24.0	0.0	
20	QPSK	50	56	21.13	21.18	21.16			
20	QPSK	100	0	21.16	21.22	21.18	23.0	1.0	
20	16QAM	1	1	21.41	21.45	21.37	23.0	1.0	
20	64QAM	1	1	19.52	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.51	17.53	17.50	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.23	22.27	22.29	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.25	22.34	22.31	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.30	22.33	22.29	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				834	836.5	839			
20	PQ2 BPSK	1	1	20.11	20.17	20.04			
20	PQ2 BPSK	1	53	20.19	20.14	20.00	22.0	0.0	
20	PQ2 BPSK	1	104	20.08	20.09	20.05			
20	PQ2 BPSK	50	0	20.19	20.17	20.04	22.0	0.0	
20	PQ2 BPSK	50	28	20.17	20.21	20.05	22.0	0.0	
20	PQ2 BPSK	50	56	20.20	20.20	20.06			
20	PQ2 BPSK	100	0	20.09	20.11	20.08	22.0	0.0	
20	QPSK	1	1	20.22	20.23	20.10			
20	QPSK	1	53	20.20	20.15	20.07	22.0	0.0	
20	QPSK	1	104	20.14	20.17	20.08			
20	QPSK	50	0	20.08	20.19	20.04	22.0	0.0	
20	QPSK	50	28	20.20	20.22	20.09	22.0	0.0	
20	QPSK	50	56	20.16	20.14	20.07			
20	QPSK	100	0	20.13	20.16	20.07	22.0	0.0	
20	16QAM	1	1	20.12	20.16	20.08	22.0	0.0	
20	64QAM	1	1	19.57	19.52	19.54	21.5	0.5	
20	256QAM	1	1	17.53	17.54	17.54	19.5	2.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	20.17	20.10	20.08	22.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	20.13	20.15	20.08	22.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	20.12	20.18	20.00	22.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50500	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 50900	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				2525	2535	2545			
50	PQ2 BPSK	1	1	19.88	19.90	19.91			
50	PQ2 BPSK	1	156	19.91	19.90	19.92	21.5	0.0	
50	PQ2 BPSK	1	288	19.83	19.92	19.85			
50	PQ2 BPSK	136	0	19.90	19.89	19.87	21.5	0.0	
50	PQ2 BPSK	136	68	19.78	19.87	19.91	21.5	0.0	
50	PQ2 BPSK	136	136	19.84	19.90	19.86			
50	PQ2 BPSK	270	0	19.88	19.86	19.89	21.5	0.0	
50	QPSK	1	1	19.93	19.96	19.94			
50	QPSK	1	136	19.85	19.82	19.82	21.5	0.0	
50	QPSK	1	288	19.80	19.93	19.81			
50	QPSK	136	0	19.86	19.86	19.85	21.5	0.0	
50	QPSK	136	68	19.89	19.93	19.97	21.5	0.0	
50	QPSK	136	136	19.81	19.83	19.86			
50	QPSK	270	0	19.87	19.90	19.82	21.5	0.0	
50	16QAM	1	1	19.85	19.86	19.85	21.5	0.0	
50	64QAM	1	1	19.92	19.95	19.88	21.5	0.0	
50	256QAM	1	1	17.80	17.85	17.75	19.5	2.0	
Channel				505000	507000	509000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2550			
40	QPSK	1	1	19.87	19.86	19.92	21.5	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.82	19.93	19.88	21.5	0.0	
Channel				505000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.80	19.83	19.90	21.5	0.0	
Channel				505000	507000	515000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.88	19.85	19.84	21.5	0.0	
Channel				505000	507000	515000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.79	19.82	19.83	21.5	0.0	
Channel				505000	507000	519000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.79	19.83	19.82	21.5	0.0	
Channel				505000	507000	515000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.84	19.83	19.84	21.5	0.0	

n7_Ant 1(ENDC)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 555000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				14.73	14.85	14.80			
50	Pl2 BPSK	1	1	14.73	14.79	14.79	16.5	0.0	
50	Pl2 BPSK	1	135	14.75	14.79	14.79			
50	Pl2 BPSK	1	268	14.72	14.81	14.81			
50	Pl2 BPSK	135	0	14.75	14.82	14.80	16.5	0.0	
50	Pl2 BPSK	135	68	14.67	14.80	14.84	16.5	0.0	
50	Pl2 BPSK	135	135	14.75	14.80	14.78			
50	Pl2 BPSK	270	0	14.67	14.86	14.77	16.5	0.0	
50	QPSK	1	1	14.81	14.92	14.87			
50	QPSK	1	135	14.78	14.89	14.84	16.5	0.0	
50	QPSK	1	268	14.76	14.83	14.84			
50	QPSK	135	0	14.84	14.89	14.77	16.5	0.0	
50	QPSK	135	68	14.78	14.90	14.84	16.5	0.0	
50	QPSK	135	135	14.84	14.83	14.74			
50	QPSK	270	0	14.73	14.89	14.78	16.5	0.0	
50	16QAM	1	1	14.76	14.88	14.83	16.5	0.0	
50	64QAM	1	1	14.74	14.80	14.83	16.5	0.0	
50	256QAM	1	1	14.77	14.87	14.76	16.5	0.0	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)		
40	QPSK	1	1	14.72	14.77	14.84	16.5	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	14.58	14.85	14.81	15.5	0.0	
Channel				502000	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	14.76	14.84	14.80	15.5	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	14.67	14.84	14.82	16.5	0.0	
Channel				501000	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	14.73	14.87	14.83	16.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	14.80	14.81	14.81	15.5	0.0	
Channel				500000	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	14.79	14.78	14.72	16.5	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.39	22.49	22.32			
15	Pl2 BPSK	1	40	22.34	22.37	22.35	24.0	0.0	
15	Pl2 BPSK	1	77	22.38	22.51	22.46			
15	Pl2 BPSK	36	0	21.78	21.86	21.84	23.5	0.5	
15	Pl2 BPSK	36	22	22.23	22.32	22.25	24.0	0.0	
15	Pl2 BPSK	36	43	21.72	21.87	21.77	23.5	0.5	
15	Pl2 BPSK	75	0	21.81	21.91	21.82			
15	QPSK	1	1	22.45	22.52	22.48			
15	QPSK	1	40	22.37	22.45	22.38	24.0	0.0	
15	QPSK	1	77	22.47	22.50	22.40			
15	QPSK	36	0	21.36	21.45	21.37	23.0	1.0	
15	QPSK	36	22	22.30	22.38	22.31	24.0	0.0	
15	QPSK	36	43	21.29	21.38	21.35	23.0	1.0	
15	QPSK	75	0	21.36	21.43	21.34	23.0	1.0	
15	16QAM	1	1	21.80	21.83	21.81	23.0	1.0	
15	64QAM	1	1	19.77	19.78	19.70	21.5	2.5	
15	256QAM	1	1	17.73	17.75	17.74	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)		
10	QPSK	1	1	22.38	22.45	22.42	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)		
5	QPSK	1	1	22.47	22.51	22.39	24.0	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.19	22.24	22.23			
15	Pl2 BPSK	1	40	22.24	22.23	22.17	24.0	0.0	
15	Pl2 BPSK	1	77	22.12	22.22	22.14			
15	Pl2 BPSK	36	0	21.58	21.69	21.60	23.5	0.5	
15	Pl2 BPSK	36	22	22.05	22.16	22.07	24.0	0.0	
15	Pl2 BPSK	36	43	21.50	21.58	21.52	23.5	0.5	
15	Pl2 BPSK	75	0	21.51	21.62	21.57			
15	QPSK	1	1	22.25	22.32	22.27			
15	QPSK	1	40	22.25	22.28	22.23	24.0	0.0	
15	QPSK	1	77	22.20	22.26	22.18			
15	QPSK	36	0	21.17	21.23	21.19	23.0	1.0	
15	QPSK	36	22	22.06	22.18	22.10	24.0	0.0	
15	QPSK	36	43	21.08	21.16	21.07	23.0	1.0	
15	QPSK	75	0	21.10	21.20	21.13	23.0	1.0	
15	16QAM	1	1	21.34	21.43	21.36	23.0	1.0	
15	64QAM	1	1	19.55	19.57	19.52	21.5	2.5	
15	256QAM	1	1	17.52	17.56	17.53	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)		
10	QPSK	1	1	22.19	22.24	22.26	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)		
5	QPSK	1	1	22.20	22.24	22.18	24.0	0.0	

n13_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				156400	156400		
Frequency (MHz)				762			
10	PQ2 BPSK	1	1	22.39	22.40	22.38	
10	PQ2 BPSK	1	26	22.18	22.26	22.15	24.0
10	PQ2 BPSK	1	50	22.18	22.20	22.16	
10	PQ2 BPSK	25	0	21.53	21.60	21.57	23.5
10	PQ2 BPSK	25	14	22.12	22.14	22.06	24.0
10	PQ2 BPSK	25	27	21.53	21.60	21.52	0.0
10	PQ2 BPSK	50	0	21.57	21.63	21.52	23.5
10	QPSK	1	1	22.47	22.48	22.43	
10	QPSK	1	26	22.27	22.28	22.24	24.0
10	QPSK	1	50	22.22	22.23	22.21	
10	QPSK	25	0	21.13	21.15	21.09	23.0
10	QPSK	25	14	22.13	22.15	22.13	24.0
10	QPSK	25	27	21.08	21.18	21.11	
10	QPSK	50	0	21.16	21.17	21.08	23.0
10	16QAM	1	1	21.45	21.52	21.47	23.0
10	64QAM	1	1	19.52	19.55	19.50	21.5
10	256QAM	1	1	17.52	17.54	17.53	19.5
Channel				156500	156500		
Frequency (MHz)				759.5 <th>762</th> <th>764.5</th> <th></th>	762	764.5	
5	QPSK	1	1	22.37	22.45	22.38	24.0

n13_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				156400			
Frequency (MHz)				762			
10	PQ2 BPSK	1	1	20.68	20.90	20.83	
10	PQ2 BPSK	1	26	20.78	20.85	20.80	22.5
10	PQ2 BPSK	1	50	20.79	20.83	20.76	
10	PQ2 BPSK	25	0	20.78	20.87	20.74	22.5
10	PQ2 BPSK	25	14	20.71	20.88	20.81	22.5
10	PQ2 BPSK	25	27	20.77	20.83	20.77	22.5
10	PQ2 BPSK	50	0	20.75	20.85	20.73	
10	QPSK	1	1	20.82	20.92	20.88	
10	QPSK	1	26	20.70	20.91	20.74	22.5
10	QPSK	1	50	20.72	20.84	20.84	
10	QPSK	25	0	20.70	20.85	20.77	22.5
10	QPSK	25	14	20.77	20.91	20.84	22.5
10	QPSK	25	27	20.70	20.90	20.76	
10	QPSK	50	0	20.74	20.85	20.78	22.5
10	16QAM	1	1	20.76	20.84	20.74	22.5
10	64QAM	1	1	19.54	19.54	19.54	21.5
10	256QAM	1	1	17.54	17.52	17.54	19.5
Channel				156500	156500		
Frequency (MHz)				779.5	762	784.5	
5	QPSK	1	1	20.72	20.88	20.83	22.5

n14_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on time (dBm)
Channel				156600	156600		
Frequency (MHz)				793			
10	PQ2 BPSK	1	1	22.13	22.16	22.15	
10	PQ2 BPSK	1	26	22.14	22.23	22.12	24.0
10	PQ2 BPSK	1	50	22.17	22.28	22.22	
10	PQ2 BPSK	25	0	21.56	21.63	21.54	23.5
10	PQ2 BPSK	25	14	22.08	22.06	22.02	24.0
10	PQ2 BPSK	25	27	21.56	21.61	21.58	
10	PQ2 BPSK	50	0	21.58	21.64	21.55	23.5
10	QPSK	1	1	22.22	22.32	22.28	
10	QPSK	1	26	22.15	22.25	22.15	24.0
10	QPSK	1	50	22.18	22.22	22.16	
10	QPSK	25	0	21.10	21.18	21.09	23.0
10	QPSK	25	14	22.10	22.14	22.07	24.0
10	QPSK	25	27	21.12	21.13	21.11	
10	QPSK	50	0	21.14	21.15	21.11	23.0
10	16QAM	1	1	21.32	21.34	21.33	23.0
10	64QAM	1	1	19.62	19.64	19.55	21.5
10	256QAM	1	1	17.52	17.60	17.57	19.5
Channel				156700	156700		
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	1	22.08	22.14	22.10	24.0

n14_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 376000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	21.13	21.36	21.28	23.0	0.0
10	P12 BPSK	1	26	21.27	21.32	21.19		
10	P12 BPSK	1	50	21.20	21.28	21.28		
10	P12 BPSK	25	0	21.17	21.23	21.30	23.0	0.0
10	P12 BPSK	25	14	21.23	21.31	21.23	23.0	0.0
10	P12 BPSK	25	27	21.22	21.30	21.29	23.0	0.0
10	P12 BPSK	50	0	21.18	21.35	21.23	23.0	0.0
10	QPSK	1	1	21.28	21.37	21.32	23.0	0.0
10	QPSK	1	26	21.28	21.33	21.26		
10	QPSK	1	50	21.16	21.30	21.21		
10	QPSK	25	0	21.17	21.32	21.12	23.0	0.0
10	QPSK	25	14	21.28	21.33	21.27	23.0	0.0
10	QPSK	25	27	21.22	21.26	21.17	23.0	0.0
10	QPSK	50	0	21.25	21.46	21.19	23.0	0.0
10	16QAM	1	1	21.21	21.22	21.27	23.0	0.0
10	64QAM	1	1	19.52	19.54	19.53	21.5	1.5
10	256QAM	1	1	17.56	17.60	17.60	19.5	3.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.24	21.34	21.17	23.0	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 376000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 376900	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	20.23	20.40	20.27	22.0	0.0
40	P12 BPSK	1	108	20.30	20.39	20.22		
40	P12 BPSK	1	214	20.23	20.34	20.27		
40	P12 BPSK	108	0	20.24	20.30	20.25	22.0	0.0
40	P12 BPSK	108	54	20.26	20.28	20.29	22.0	0.0
40	P12 BPSK	108	108	20.30	20.35	20.21	22.0	0.0
40	P12 BPSK	216	0	20.32	20.33	20.30	22.0	0.0
40	QPSK	1	1	20.37	20.41	20.35	22.0	0.0
40	QPSK	1	108	20.27	20.28	20.33		
40	QPSK	1	214	20.33	20.31	20.31		
40	QPSK	108	0	20.19	20.28	20.20	22.0	0.0
40	QPSK	108	54	20.20	20.38	20.33	22.0	0.0
40	QPSK	108	108	20.27	20.32	20.21	22.0	0.0
40	QPSK	216	0	20.25	20.32	20.30	22.0	0.0
40	16QAM	1	1	20.23	20.32	20.30	22.0	0.0
40	64QAM	1	1	19.58	19.60	19.51	21.5	0.5
40	256QAM	1	1	17.56	17.66	17.61	19.5	2.5
Channel								
Frequency (MHz)								
35	QPSK	1	1	20.26	20.40	20.29	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.34	20.34	20.24	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.33	20.30	20.33	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.36	20.28	20.30	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.34	20.39	20.27	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.26	20.33	20.27	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.33	20.28	20.33	22.0	0.0

n25_Ant 9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 376000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 376900	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	17.35	17.43	17.38	19.0	0.0
40	P12 BPSK	1	108	17.37	17.46	17.46		
40	P12 BPSK	1	214	17.47	17.48	17.43		
40	P12 BPSK	108	0	17.46	17.46	17.38	19.0	0.0
40	P12 BPSK	108	54	17.33	17.46	17.42	19.0	0.0
40	P12 BPSK	108	108	17.46	17.50	17.39	19.0	0.0
40	P12 BPSK	216	0	17.46	17.40	17.39	19.0	0.0
40	QPSK	1	1	17.46	17.51	17.50	19.0	0.0
40	QPSK	1	108	17.41	17.46	17.35		
40	QPSK	1	214	17.35	17.49	17.49		
40	QPSK	108	0	17.46	17.43	17.39	19.0	0.0
40	QPSK	108	54	17.47	17.50	17.46	19.0	0.0
40	QPSK	108	108	17.34	17.46	17.32	19.0	0.0
40	QPSK	216	0	17.36	17.44	17.38	19.0	0.0
40	16QAM	1	1	17.46	17.50	17.40	19.0	0.0
40	64QAM	1	1	17.41	17.46	17.43	19.0	0.0
40	256QAM	1	1	17.44	17.36	17.41	19.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	17.45	17.50	17.36	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.35	17.42	17.42	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.45	17.43	17.47	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.34	17.42	17.44	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.45	17.44	17.42	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.40	17.49	17.40	19.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	17.42	17.45	17.38	19.0	0.0

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 376500	Power Middle Ch. Freq. 376500	Power High Ch. Freq. 376500	Tune-up limit (dBm)	MPR (dB)	
Channel				1875	1882.5	1895			
Frequency (MHz)				17.12	17.33	17.23			
40	PQ2 BPSK	1	1	17.12	17.33	17.23	19.0	0.0	
40	PQ2 BPSK	1	108	17.13	17.24	17.23			
40	PQ2 BPSK	1	214	17.25	17.26	17.26			
40	PQ2 BPSK	108	0	17.23	17.26	17.26	19.0	0.0	
40	PQ2 BPSK	108	54	17.16	17.22	17.29	19.0	0.0	
40	PQ2 BPSK	108	108	17.16	17.26	17.19	19.0	0.0	
40	PQ2 BPSK	216	0	17.20	17.31	17.34			
40	QPSK	1	1	17.27	17.34	17.31			
40	QPSK	1	108	17.24	17.22	17.19	19.0	0.0	
40	QPSK	1	214	17.34	17.26	17.27			
40	QPSK	108	0	17.20	17.16	17.23	19.0	0.0	
40	QPSK	108	54	17.25	17.30	17.30	19.0	0.0	
40	QPSK	108	108	17.15	17.16	17.29	19.0	0.0	
40	QPSK	216	0	17.21	17.25	17.24			
40	16QAM	1	1	17.12	17.19	17.17	19.0	0.0	
40	64QAM	1	1	17.15	17.23	17.23	19.0	0.0	
40	256QAM	1	1	17.12	17.33	17.19	19.0	0.0	
Channel				372500	376500	376500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1882.5	1882.5	1892.5			
35	QPSK	1	1	17.20	17.26	17.27	19.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	17.12	17.25	17.23	19.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	17.20	17.32	17.25	19.0	0.0	
Channel				372200	376500	377000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	17.16	17.20	17.20	19.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	17.25	17.33	17.28	19.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	17.21	17.25	17.19	19.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	17.12	17.20	17.23	19.0	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167000	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)				22.12	22.24	22.11			
20	PQ2 BPSK	1	1	22.12	22.24	22.11	24.0	0.0	
20	PQ2 BPSK	1	53	22.23	22.24	22.24			
20	PQ2 BPSK	1	104	22.23	22.20	22.21			
20	PQ2 BPSK	50	0	21.58	21.57	21.52	23.5	0.5	
20	PQ2 BPSK	50	28	22.05	22.14	22.09	24.0	0.0	
20	PQ2 BPSK	50	56	21.52	21.58	21.53	23.5	0.5	
20	PQ2 BPSK	100	0	21.59	21.56	21.57			
20	QPSK	1	1	22.28	22.37	22.31			
20	QPSK	1	53	22.20	22.28	22.18	24.0	0.0	
20	QPSK	1	104	22.27	22.29	22.29			
20	QPSK	50	0	21.05	21.17	21.12	23.0	1.0	
20	QPSK	50	28	22.08	22.15	22.10	24.0	0.0	
20	QPSK	50	56	21.05	21.15	21.08	23.0	1.0	
20	QPSK	100	0	21.13	21.16	21.16			
20	16QAM	1	1	21.47	21.43	21.35	23.0	1.0	
20	64QAM	1	1	19.83	19.88	19.58	21.5	2.5	
20	256QAM	1	1	17.59	17.69	17.62	19.5	4.5	
Channel				164300	166500	168500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.22	22.27	22.21	24.0	0.0	
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.27	22.29	22.21	24.0	0.0	
Channel				163300	166500	169300	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	22.26	22.25	22.29	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167000	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)				20.32	20.51	20.35			
20	PQ2 BPSK	1	1	20.32	20.51	20.35	22.0	0.0	
20	PQ2 BPSK	1	53	20.33	20.47	20.40			
20	PQ2 BPSK	1	104	20.37	20.53	20.36			
20	PQ2 BPSK	50	0	20.40	20.50	20.35	22.0	0.0	
20	PQ2 BPSK	50	28	20.31	20.43	20.39	22.0	0.0	
20	PQ2 BPSK	50	56	20.39	20.51	20.40	22.0	0.0	
20	PQ2 BPSK	100	0	20.31	20.44	20.42			
20	QPSK	1	1	20.44	20.55	20.47			
20	QPSK	1	53	20.34	20.49	20.32	22.0	0.0	
20	QPSK	1	104	20.36	20.41	20.38			
20	QPSK	50	0	20.30	20.49	20.35	22.0	0.0	
20	QPSK	50	28	20.38	20.50	20.42	22.0	0.0	
20	QPSK	50	56	20.24	20.46	20.35	22.0	0.0	
20	QPSK	100	0	20.36	20.43	20.36			
20	16QAM	1	1	20.29	20.50	20.43	22.0	0.0	
20	64QAM	1	1	19.83	19.80	19.52	21.5	0.5	
20	256QAM	1	1	17.56	17.59	17.58	19.5	2.5	
Channel				164300	166500	168500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				819	831.5	844			
15	QPSK	1	1	20.35	20.49	20.45	22.0	0.0	
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	20.39	20.48	20.38	22.0	0.0	
Channel				163300	166500	169300	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	20.32	20.53	20.40	22.0	0.0	

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				462000	462000		MPR (dB)
Frequency (MHz)				2310			
10	P2 BPSK	1	1	19.24			21.0
10	P2 BPSK	1	26	19.21			0.0
10	P2 BPSK	1	50	19.24			
10	P2 BPSK	25	0	19.26			21.0
10	P2 BPSK	25	14	19.19			21.0
10	P2 BPSK	25	27	19.27			21.0
10	P2 BPSK	50	0	19.21			0.0
10	QPSK	1	1	19.31			
10	QPSK	1	26	19.23			21.0
10	QPSK	1	50	19.26			
10	QPSK	25	0	19.23			21.0
10	QPSK	25	14	19.24			21.0
10	QPSK	25	27	19.19			21.0
10	QPSK	50	0	19.22			21.0
10	16QAM	1	1	19.22			21.0
10	64QAM	1	1	19.30			21.0
10	256QAM	1	1	17.60			19.5
Channel				461500	462000	462500	Tune-up limit (dB)
Frequency (MHz)				2307.5	2310	2312.5	MPR (dB)
5	QPSK	1	1	19.15	19.24	19.20	21.0

n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				462000	462000		MPR (dB)
Frequency (MHz)				2310			
10	P2 BPSK	1	1	14.75			16.5
10	P2 BPSK	1	26	14.72			0.0
10	P2 BPSK	1	50	14.72			
10	P2 BPSK	25	0	14.81			16.5
10	P2 BPSK	25	14	14.68			16.5
10	P2 BPSK	25	27	14.75			16.5
10	P2 BPSK	50	0	14.75			0.0
10	QPSK	1	1	14.83			
10	QPSK	1	26	14.80			16.5
10	QPSK	1	50	14.81			
10	QPSK	25	0	14.70			16.5
10	QPSK	25	14	14.81			16.5
10	QPSK	25	27	14.66			16.5
10	QPSK	50	0	14.78			16.5
10	16QAM	1	1	14.81			16.5
10	64QAM	1	1	14.76			16.5
10	256QAM	1	1	14.78			16.5
Channel				461500	462000	462500	Tune-up limit (dB)
Frequency (MHz)				2307.5	2310	2312.5	MPR (dB)
5	QPSK	1	1	14.69	14.68	14.78	16.5

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	346500	351500	MPR (dB)
Frequency (MHz)				1732.5	1745	1757.5	
45	P2 BPSK	1	1	19.67	19.70	19.69	21.5
45	P2 BPSK	1	122	19.62	19.70	19.68	0.0
45	P2 BPSK	1	240	19.74	19.78	19.74	
45	P2 BPSK	120	0	19.70	19.73	19.76	21.5
45	P2 BPSK	120	60	19.73	19.71	19.77	0.0
45	P2 BPSK	120	122	19.66	19.79	19.77	21.5
45	P2 BPSK	240	0	19.62	19.82	19.70	0.0
45	QPSK	1	1	19.70	19.83	19.81	
45	QPSK	1	122	19.65	19.72	19.70	21.5
45	QPSK	1	240	19.74	19.69	19.69	
45	QPSK	120	0	19.54	19.68	19.68	21.5
45	QPSK	120	60	19.67	19.82	19.79	0.0
45	QPSK	120	122	19.61	19.70	19.70	21.5
45	QPSK	240	0	19.62	19.81	19.71	0.0
45	16QAM	1	1	19.62	19.80	19.67	21.5
45	64QAM	1	1	19.52	19.53	19.51	21.5
45	256QAM	1	1	17.62	17.67	17.62	19.5
Channel				346500	349000	352000	Tune-up limit (dB)
Frequency (MHz)				1730	1745	1760	MPR (dB)
40	QPSK	1	1	19.64	19.72	19.68	21.5
Channel				345500	349000	352000	Tune-up limit (dB)
Frequency (MHz)				1727.5	1745	1762.5	MPR (dB)
35	QPSK	1	1	19.64	19.70	19.75	21.5
Channel				345000	349000	353000	Tune-up limit (dB)
Frequency (MHz)				1725	1745	1765	MPR (dB)
30	QPSK	1	1	19.60	19.80	19.60	21.5
Channel				345500	349000	353000	Tune-up limit (dB)
Frequency (MHz)				1722.5	1745	1767.5	MPR (dB)
25	QPSK	1	1	19.70	19.75	19.68	21.5
Channel				344000	349000	354000	Tune-up limit (dB)
Frequency (MHz)				1720	1745	1770	MPR (dB)
20	QPSK	1	1	19.67	19.69	19.72	21.5
Channel				343500	349000	354000	Tune-up limit (dB)
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)
15	QPSK	1	1	19.65	19.71	19.70	21.5
Channel				343000	349000	355000	Tune-up limit (dB)
Frequency (MHz)				1715	1745	1775	MPR (dB)
10	QPSK	1	1	19.69	19.68	19.67	21.5
Channel				342500	349000	355000	Tune-up limit (dB)
Frequency (MHz)				1712.5	1745	1777.5	MPR (dB)
5	QPSK	1	1	19.72	19.69	19.75	21.5

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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				346500	346500	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P22 BPSK	1	1	18.42	18.45	18.38			
45	P22 BPSK	1	122	18.38	18.47	18.25	20.0	0.0	
45	P22 BPSK	1	240	18.43	18.35	18.40			
45	P22 BPSK	120	0	18.40	18.40	18.36	20.0	0.0	
45	P22 BPSK	120	60	18.37	18.37	18.38	20.0	0.0	
45	P22 BPSK	120	122	18.42	18.48	18.39			
45	P22 BPSK	240	0	18.34	18.37	18.37	20.0	0.0	
45	QPSK	1	1	18.48	18.50	18.41			
45	QPSK	1	122	18.44	18.46	18.31	20.0	0.0	
45	QPSK	1	240	18.39	18.40	18.28			
45	QPSK	120	0	18.25	18.45	18.26	20.0	0.0	
45	QPSK	120	60	18.38	18.49	18.31	20.0	0.0	
45	QPSK	120	122	18.23	18.34	18.30			
45	QPSK	240	0	18.34	18.42	18.32	20.0	0.0	
45	16QAM	1	1	18.42	18.45	18.25	20.0	0.0	
45	64QAM	1	1	18.40	18.47	18.29	20.0	0.0	
45	256QAM	1	1	17.65	17.66	17.56	19.5	0.5	
Channel				346500	346500	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	18.37	18.40	18.27	20.0	0.0	
Channel				345500	346000	352500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	18.37	18.45	18.40	20.0	0.0	
Channel				345500	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.31	18.43	18.28	20.0	0.0	
Channel				345500	345500	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.42	18.41	18.26	20.0	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.45	18.47	18.35	20.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.45	18.37	18.29	20.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.40	18.36	18.28	20.0	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.38	18.46	18.26	20.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	346500	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P22 BPSK	1	1	17.32	17.40	17.33			
45	P22 BPSK	1	122	17.34	17.36	17.35	19.0	0.0	
45	P22 BPSK	1	240	17.37	17.44	17.30			
45	P22 BPSK	120	0	17.28	17.34	17.32	19.0	0.0	
45	P22 BPSK	120	60	17.30	17.43	17.30	19.0	0.0	
45	P22 BPSK	120	122	17.33	17.40	17.34			
45	P22 BPSK	240	0	17.36	17.40	17.31	19.0	0.0	
45	QPSK	1	1	17.41	17.49	17.42			
45	QPSK	1	122	17.33	17.40	17.27	19.0	0.0	
45	QPSK	1	240	17.36	17.36	17.27			
45	QPSK	120	0	17.28	17.38	17.34	19.0	0.0	
45	QPSK	120	60	17.35	17.48	17.35	19.0	0.0	
45	QPSK	120	122	17.30	17.46	17.35			
45	QPSK	240	0	17.35	17.41	17.38	19.0	0.0	
45	16QAM	1	1	17.32	17.34	17.35	19.0	0.0	
45	64QAM	1	1	17.34	17.40	17.36	19.0	0.0	
45	256QAM	1	1	17.29	17.36	17.35	19.0	0.0	
Channel				346000	346000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.29	17.48	17.27	19.0	0.0	
Channel				345500	346000	352500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	17.25	17.35	17.37	19.0	0.0	
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.36	17.37	17.34	19.0	0.0	
Channel				345500	346000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.39	17.45	17.40	19.0	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.37	17.37	17.40	19.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.23	17.40	17.27	19.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.31	17.47	17.33	19.0	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.28	17.45	17.28	19.0	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				346500	346500	351500			
Frequency (MHz)				1702.5					
15	P22 BPSK	1	1		21.45				
15	P22 BPSK	1	40		21.48		22.5	0.0	
15	P22 BPSK	1	77		21.50				
15	P22 BPSK	36	0		21.47		22.5	0.0	
15	P22 BPSK	36	22		21.42		22.5	0.0	
15	P22 BPSK	36	43		21.37				
15	P22 BPSK	75	0		21.49		22.5	0.0	
15	QPSK	1	1		21.52				
15	QPSK	1	40		21.51		22.5	0.0	
15	QPSK	1	77		21.51				
15	QPSK	36	0		21.53		22.5	0.0	
15	QPSK	36	22		21.47		22.5	0.0	
15	QPSK	36	43		21.36		22.5	0.0	
15	QPSK	75	0		21.42				
15	16QAM	1	1		21.47		22.5	0.0	
15	64QAM	1	1		19.97		21.5	1.0	
15	256QAM	1	1		18.63		19.5	3.0	
Channel				346000	346000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	21.47	21.43	21.50	22.5	0.0	
Channel				336500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	21.43	21.43	21.53	22.5	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.	
Channel				1702.5			
Frequency (MHz)				1702.5			
15	PV2 BPSK	1	1	18.05			
15	PV2 BPSK	1	40	18.05			19.0
15	PV2 BPSK	1	77	17.98			
15	PV2 BPSK	36	0	17.91			19.0
15	PV2 BPSK	36	22	17.99			19.0
15	PV2 BPSK	36	43	17.94			19.0
15	PV2 BPSK	75	0	17.97			19.0
15	QPSK	1	1	18.05			
15	QPSK	1	40	17.97			19.0
15	QPSK	1	77	17.98			
15	QPSK	36	0	17.96			19.0
15	QPSK	36	22	18.05			19.0
15	QPSK	36	43	17.90			19.0
15	QPSK	75	0	18.00			19.0
15	16QAM	1	1	18.01			19.0
15	16QAM	1	1	18.05			19.0
15	256QAM	1	1	17.93			19.0
Channel				340000	340500	341000	
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	1	18.01	17.95	18.01	19.0
Channel				339500	340500	341500	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	18.05	17.97	18.05	19.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				1702.5			
Frequency (MHz)				1702.5			
15	PV2 BPSK	1	1	18.42			
15	PV2 BPSK	1	40	18.50			19.5
15	PV2 BPSK	1	77	18.51			
15	PV2 BPSK	36	0	18.44			19.5
15	PV2 BPSK	36	22	18.42			19.5
15	PV2 BPSK	36	43	18.44			19.5
15	PV2 BPSK	75	0	18.46			19.5
15	QPSK	1	1	18.53			
15	QPSK	1	40	18.50			19.5
15	QPSK	1	77	18.50			
15	QPSK	36	0	18.36			19.5
15	QPSK	36	22	18.51			19.5
15	QPSK	36	43	18.46			19.5
15	QPSK	75	0	18.46			19.5
15	16QAM	1	1	18.45			19.5
15	16QAM	1	1	18.38			19.5
15	256QAM	1	1	18.16			19.5
Channel				340000	340500	341000	
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	1	18.42	18.45	18.40	19.5
Channel				339500	340500	341500	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	18.40	18.42	18.39	19.5

n71_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				136100			
Frequency (MHz)				680.5			
35	PV2 BPSK	1	1	22.27			
35	PV2 BPSK	1	80	22.24			24.0
35	PV2 BPSK	1	168	22.25			
35	PV2 BPSK	90	0	21.67			23.5
35	PV2 BPSK	90	45	22.12			24.0
35	PV2 BPSK	90	90	21.56			23.5
35	PV2 BPSK	180	0	21.51			23.5
35	QPSK	1	1	22.32			
35	QPSK	1	80	22.28			24.0
35	QPSK	1	168	22.31			
35	QPSK	90	0	21.23			23.0
35	QPSK	90	45	22.21			24.0
35	QPSK	90	90	21.11			23.0
35	QPSK	180	0	21.06			23.0
35	16QAM	1	1	21.56			23.0
35	16QAM	1	1	19.70			21.5
35	256QAM	1	1	17.67			19.5
Channel				135800	136100	136500	
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	22.22	22.30	22.17	24.0
Channel				135100	136100	137100	
Frequency (MHz)				670.5	680.5	690.5	
25	QPSK	1	1	22.27	22.22	22.21	24.0
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	1	22.26	22.23	22.22	24.0
Channel				133100	135100	137100	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	22.15	22.23	22.08	24.0
Channel				133000	136100	139500	
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	22.07	22.20	22.06	24.0
Channel				133100	136100	139100	
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	22.13	22.15	22.09	24.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq 150 100	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					680.5			
Frequency (MHz)					22.28			
35	PI2 BPSK	1	1		22.28		24.0	0.0
35	PI2 BPSK	1	90		22.28			
35	PI2 BPSK	1	186		22.26			
35	PI2 BPSK	90	0		21.73		23.5	0.5
35	PI2 BPSK	90	45		22.18		24.0	0.0
35	PI2 BPSK	90	90		21.70		23.5	0.5
35	PI2 BPSK	180	0		21.77			
35	QPSK	1	1		22.33			
35	QPSK	1	90		22.30		24.0	0.0
35	QPSK	1	186		22.28			
35	QPSK	90	0		21.30		23.0	1.0
35	QPSK	90	45		22.28		24.0	0.0
35	QPSK	90	90		21.29		23.0	1.0
35	QPSK	180	0		21.40			
35	16QAM	1	1		21.48		23.0	1.0
35	64QAM	1	1		19.68		21.5	2.5
35	256QAM	1	1		17.62		19.5	4.5
Channel				135600	136 100	136600	Tune-up limit	MPR
Frequency (MHz)				678	680.5	683	68m	(dB)
30	QPSK	1	1	22.18	22.32	22.22	24.0	0.0
Channel				136 100	136 100	137 100	Tune-up limit	MPR
Frequency (MHz)				675.5	680.5	685.5	68m	(dB)
25	QPSK	1	1	22.28	22.23	22.19	24.0	0.0
Channel				136600	136 100	137600	Tune-up limit	MPR
Frequency (MHz)				673	680.5	688	68m	(dB)
20	QPSK	1	1	22.25	22.28	22.23	24.0	0.0
Channel				133 100	133 100	133 100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	680.5	68m	(dB)
15	QPSK	1	1	22.20	22.22	22.22	24.0	0.0
Channel				133600	136 100	136600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	688	68m	(dB)
10	QPSK	1	1	22.28	22.18	22.32	24.0	0.0
Channel				133 100	136 100	138 100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	695.5	68m	(dB)
5	QPSK	1	1	22.23	22.21	22.30	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518024	518000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	19.78	19.96	19.72			
40	Pl2 BPSK	1	53	19.73	19.84	19.78	21.5		
40	Pl2 BPSK	1	104	19.81	19.95	19.69			
40	Pl2 BPSK	50	0	19.79	19.86	19.69	21.5		
40	Pl2 BPSK	50	28	19.85	19.87	19.76	21.5		
40	Pl2 BPSK	50	56	19.74	19.85	19.79			
40	Pl2 BPSK	100	0	19.72	19.89	19.72	21.5		
40	QPSK	1	1	19.38	19.38	19.34			
40	QPSK	1	53	19.85	19.95	19.74	21.5		
40	QPSK	1	104	19.84	19.84	19.69			
40	QPSK	50	0	19.88	19.84	19.78			
40	QPSK	50	28	19.31	19.37	19.36	21.5		
40	QPSK	50	56	19.89	19.92	19.78			
40	QPSK	100	0	19.75	19.91	19.72	21.5		
40	16QAM	1	1	19.92	19.91	19.72	21.5		
40	64QAM	1	1	19.95	19.97	19.64	21.5		
40	256QAM	1	1	17.66	17.65	17.62	19.5		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	19.79	19.87	19.77	21.5		
Channel				518004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	19.72	19.89	19.70	21.5		
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	19.83	19.97	19.69	21.5		
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.84	19.84	19.78	21.5		
Channel				518004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.75	19.86	19.75	21.5		

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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				518024	519000	519998			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	15.33	15.36	15.41			
40	Pl2 BPSK	1	53	15.33	15.36	15.37	17.0		
40	Pl2 BPSK	1	104	15.29	15.45	15.30			
40	Pl2 BPSK	50	0	15.28	15.37	15.31	17.0		
40	Pl2 BPSK	50	28	15.34	15.40	15.37	17.0		
40	Pl2 BPSK	50	56	15.33	15.38	15.38			
40	Pl2 BPSK	100	0	15.32	15.34	15.33	17.0		
40	QPSK	1	1	15.37	15.48	15.43			
40	QPSK	1	53	15.30	15.34	15.40	17.0		
40	QPSK	1	104	15.25	15.42	15.33			
40	QPSK	50	0	15.22	15.41	15.20			
40	QPSK	50	28	15.31	15.43	15.34	17.0		
40	QPSK	50	56	15.24	15.38	15.31			
40	QPSK	100	0	15.31	15.37	15.26	17.0		
40	16QAM	1	1	15.24	15.40	15.39	17.0		
40	64QAM	1	1	15.26	15.41	15.41	17.0		
40	256QAM	1	1	15.29	15.45	15.32	17.0		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	15.23	15.45	15.39	17.0		
Channel				518004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	15.23	15.34	15.27	17.0		
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	15.23	15.34	15.40	17.0		
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	15.33	15.35	15.37	17.0		
Channel				518004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	15.23	15.46	15.32	17.0		

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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				518024	519000	519998			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	16.37	16.39	16.35			
40	Pl2 BPSK	1	53	16.34	16.40	16.41	18.0		
40	Pl2 BPSK	1	104	16.23	16.46	16.40			
40	Pl2 BPSK	50	0	16.23	16.47	16.36	18.0		
40	Pl2 BPSK	50	28	16.37	16.41	16.37	18.0		
40	Pl2 BPSK	50	56	16.31	16.33	16.37			
40	Pl2 BPSK	100	0	16.33	16.40	16.44	18.0		
40	QPSK	1	1	16.38	16.48	16.45			
40	QPSK	1	53	16.29	16.43	16.34	18.0		
40	QPSK	1	104	16.25	16.44	16.41			
40	QPSK	50	0	16.31	16.41	16.40			
40	QPSK	50	28	16.36	16.47	16.44	18.0		
40	QPSK	50	56	16.28	16.40	16.39			
40	QPSK	100	0	16.30	16.43	16.43	18.0		
40	16QAM	1	1	16.29	16.44	16.43	18.0		
40	64QAM	1	1	16.32	16.40	16.45	18.0		
40	256QAM	1	1	16.34	16.33	16.40	18.0		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	16.23	16.47	16.35	18.0		
Channel				518004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	16.27	16.33	16.38	18.0		
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	16.26	16.36	16.40	18.0		
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.26	16.44	16.31	18.0		
Channel				518004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.30	16.42	16.36	18.0		

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				518004	518000	518996			
Frequency (MHz)				2560.02	2560	2560.98			
40	PQ2 BPSK	1	1	21.69	21.78	21.67			
40	PQ2 BPSK	1	53	21.78	21.71	21.66	23.5	0.0	
40	PQ2 BPSK	1	104	21.70	21.81	21.68			
40	PQ2 BPSK	50	0	21.70	21.72	21.60	23.5	0.0	
40	PQ2 BPSK	50	28	21.71	21.73	21.67	23.5	0.0	
40	PQ2 BPSK	50	56	21.53	21.58	21.54	23.5	0.0	
40	PQ2 BPSK	100	0	21.56	21.65	21.54			
40	QPSK	1	1	21.70	21.83	21.74			
40	QPSK	1	53	21.70	21.76	21.59	23.5	0.0	
40	QPSK	1	104	21.70	21.71	21.66			
40	QPSK	50	0	21.22	21.28	21.19			
40	QPSK	50	28	21.66	21.74	21.55	23.5	0.0	
40	QPSK	50	56	21.08	21.14	21.04			
40	QPSK	100	0	21.17	21.21	21.11	23.0	0.5	
40	16QAM	1	1	21.34	21.43	21.40	23.0	0.5	
40	64QAM	1	1	19.60	19.63	19.59	21.5	2.0	
40	256QAM	1	1	17.55	17.60	17.54	19.5	4.0	
Channel				517002	516900	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2245.01	2245	2245.99	(dB)		
30	QPSK	1	1	21.75	21.81	21.71	23.5	0.0	
Channel				516004	515900	521006	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2562.52	2565	2567.48	(dB)		
25	QPSK	1	1	21.76	21.82	21.64	23.5	0.0	
Channel				516006	515900	522002	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2560	2565	2570	(dB)		
20	QPSK	1	1	21.72	21.82	21.64	23.5	0.0	
Channel				515502	515000	522498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.51	2584	2592.49	(dB)		
15	QPSK	1	1	21.69	21.77	21.71	23.5	0.0	
Channel				515004	514900	522996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2575.02	2585	2614.98	(dB)		
10	QPSK	1	1	21.77	21.72	21.72	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	516898	526900			
Frequency (MHz)				2546.01	2552.99	2560			
100	PQ2 BPSK	1	1	20.04	20.02	19.98			
100	PQ2 BPSK	1	137	19.98	20.02	20.07	21.5	0.0	
100	PQ2 BPSK	1	271	20.06	20.06	20.06			
100	PQ2 BPSK	135	0	20.04	20.08	20.01	21.5	0.0	
100	PQ2 BPSK	135	69	19.98	20.02	20.08	21.5	0.0	
100	PQ2 BPSK	135	138	19.99	20.09	20.08	21.5	0.0	
100	PQ2 BPSK	270	0	20.00	20.09	20.04			
100	QPSK	1	1	20.00	20.04	20.10			
100	QPSK	1	137	20.02	20.01	20.03	21.5	0.0	
100	QPSK	1	271	20.02	20.01	19.95			
100	QPSK	135	0	20.00	20.05	19.99			
100	QPSK	135	69	20.01	20.05	20.05	21.5	0.0	
100	QPSK	135	138	19.91	19.98	19.96			
100	QPSK	270	0	19.98	20.06	19.99	21.5	0.0	
100	16QAM	1	1	19.95	20.13	20.00	21.5	0.0	
100	64QAM	1	1	19.75	19.75	19.73	21.5	0.0	
100	256QAM	1	1	17.80	17.83	17.75	19.5	2.0	
Channel				506000	516898	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2552.99	2544.98	(dB)		
80	QPSK	1	1	19.90	20.03	20.04	21.5	0.0	
Channel				507204	516898	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2562.99	2548.99	(dB)		
80	QPSK	1	1	20.02	20.05	20.03	21.5	0.0	
Channel				505200	516898	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2562.99	2565	(dB)		
70	QPSK	1	1	20.07	20.13	20.01	21.5	0.0	
Channel				505200	516898	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2562.99	2565	(dB)		
60	QPSK	1	1	19.96	20.13	20.03	21.5	0.0	
Channel				504204	516898	532996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.02	2562.99	2564.99	(dB)		
50	QPSK	1	1	20.01	20.12	20.01	21.5	0.0	
Channel				503700	516898	533996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2518.5	2562.99	2567.48	(dB)		
45	QPSK	1	1	20.01	20.08	20.08	21.5	0.0	
Channel				503002	516898	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2562.99	2570	(dB)		
40	QPSK	1	1	20.06	20.02	20.02	21.5	0.0	
Channel				502704	516898	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.52	2562.99	2572.49	(dB)		
35	QPSK	1	1	20.04	19.99	20.04	21.5	0.0	
Channel				502200	516898	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2562.99	2574.98	(dB)		
30	QPSK	1	1	20.05	20.07	20.09	21.5	0.0	
Channel				501700	516898	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.51	2562.99	2577.5	(dB)		
25	QPSK	1	1	19.99	20.00	19.99	21.5	0.0	
Channel				501204	516898	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.00	2562.99	2578.99	(dB)		
20	QPSK	1	1	20.02	20.09	20.00	21.5	0.0	
Channel				500700	516898	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2562.99	2582.48	(dB)		
15	QPSK	1	1	19.95	20.09	20.04	21.5	0.0	
Channel				500202	516898	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2562.99	2585	(dB)		
10	QPSK	1	1	20.05	20.13	19.98	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				506002	516898	526900			
Frequency (MHz)				2546.01	2552.99	2560			
100	PQ2 BPSK	1	1	22.98	23.09	23.21			
100	PQ2 BPSK	1	137	23.03	23.17	23.16	24.5	0.0	
100	PQ2 BPSK	1	271	23.06	23.12	23.14			
100	PQ2 BPSK	135	0	23.04	23.11	23.19	24.5	0.0	
100	PQ2 BPSK	135	69	23.02	23.21	23.09	24.5	0.0	
100	PQ2 BPSK	135	138	23.01	23.20	23.18	24.5	0.0	
100	PQ2 BPSK	270	0	23.07	23.18	23.08			
100	QPSK	1	1	23.10	23.24	23.22			
100	QPSK	1	137	23.04	23.18	23.15	24.5	0.0	
100	QPSK	1	271	23.08	23.11	23.15			
100	QPSK	135	0	22.97	23.16	22.99			
100	QPSK	135	69	23.01	23.17	23.01	24.5	0.0	
100	QPSK	135	138	22.91	23.05	23.05			
100	QPSK	270	0	22.99	23.13	23.08	24.5	0.0	
100	16QAM	1	1	23.05	23.23	23.19	24.5	0.0	
100	64QAM	1	1	22.80	22.82	22.77	24.5	0.0	
100	256QAM	1	1	20.81	20.86	20.76	22.5	2.0	
Channel				506000	516898	526996	Tune-up limit (dBm)		
Frequency (MHz)				2546.01	2552.99	2564.99			
90	QPSK	1	1	23.08	23.21	23.14	24.5	0.0	
Channel				507204	516988	529988	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.02	2569.99	2584.99			
80	QPSK	1	1	23.09	23.20	23.07	24.5	0.0	
Channel				506002	516898	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2552.99	2605			
70	QPSK	1	1	23.04	23.15	23.09	24.5	0.0	
Channel				507502	516908	531098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2608.98			
60	QPSK	1	1	23.00	23.21	23.12	24.5	0.0	
Channel				504204	516968	532068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.02	2552.99	2564.99			
50	QPSK	1	1	22.96	23.20	23.19	24.5	0.0	
Channel				507600	516968	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515.5	2552.99	2574.48			
45	QPSK	1	1	22.89	23.19	23.18	24.5	0.0	
Channel				505202	516958	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2552.99	2560			
40	QPSK	1	1	23.01	23.15	23.16	24.5	0.0	
Channel				507102	516908	532508	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2552.99	2572.49			
35	QPSK	1	1	23.03	23.22	23.18	24.5	0.0	
Channel				502200	516988	534986	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2576.98			
30	QPSK	1	1	23.07	23.22	23.20	24.5	0.0	
Channel				501702	516898	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2552.99	2577.5			
25	QPSK	1	1	22.99	23.12	23.09	24.5	0.0	
Channel				507102	516908	535008	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2579.99			
20	QPSK	1	1	22.99	23.23	23.20	24.5	0.0	
Channel				506600	516968	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505.5	2552.99	2582.48			
15	QPSK	1	1	23.00	23.14	23.21	24.5	0.0	
Channel				506002	516968	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2552.99	2590			
10	QPSK	1	1	23.02	23.13	23.10	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										
Frequency (MHz)				2546.01	2562.99	2640				
100	Pl2 BPSK	1	1	15.52	15.56	15.44	17.0	0.0		
100	Pl2 BPSK	1	137	15.54	15.57	15.46				
100	Pl2 BPSK	1	271	15.52	15.54	15.43				
100	Pl2 BPSK	135	0	15.42	15.55	15.40	17.0	0.0		
100	Pl2 BPSK	135	69	15.54	15.53	15.50	17.0	0.0		
100	Pl2 BPSK	135	138	15.55	15.59	15.53	17.0	0.0		
100	Pl2 BPSK	270	0	15.52	15.50	15.50				
100	QPSK	1	1	15.57	15.52	15.54				
100	QPSK	1	137	15.56	15.59	15.44	17.0	0.0		
100	QPSK	1	271	15.55	15.59	15.43				
100	QPSK	135	0	15.52	15.43	15.39				
100	QPSK	135	69	15.54	15.56	15.50	17.0	0.0		
100	QPSK	135	138	15.48	15.53	15.42				
100	QPSK	270	0	15.49	15.54	15.45	17.0	0.0		
100	16QAM	1	1	15.55	15.50	15.44	17.0	0.0		
100	64QAM	1	1	15.52	15.50	15.48	17.0	0.0		
100	256QAM	1	1	15.48	15.56	15.47	17.0	0.0		
Channel										
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	15.44	15.58	15.49	17.0	0.0		
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	2536.02	2562.99	2649.99	17.0	0.0		
Channel										
Frequency (MHz)				15.55	15.61	15.40	17.0	0.0		
80	QPSK	1	1	15.55	15.61	15.40	17.0	0.0		
Channel										
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	2531.01	2562.99	2655	17.0	0.0		
Channel										
Frequency (MHz)				15.51	15.60	15.46	17.0	0.0		
70	QPSK	1	1	505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2526	2562.99	2659.98	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	15.46	15.58	15.47	17.0	0.0		
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	2521.02	2562.99	2654.98	17.0	0.0		
Channel										
Frequency (MHz)				15.54	15.60	15.50	17.0	0.0		
50	QPSK	1	1	15.54	15.60	15.50	17.0	0.0		
Channel										
Frequency (MHz)				503700	518598	533498	Tune-up limit (dBm)	MPR (dB)		
45	QPSK	1	1	2518.5	2562.99	2667.48	17.0	0.0		
Channel										
Frequency (MHz)				15.52	15.51	15.52	17.0	0.0		
45	QPSK	1	1	502704	518598	534498	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2516.01	2562.99	2670	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	15.56	15.60	15.45	17.0	0.0		
Channel										
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	2513.52	2562.99	2672.49	17.0	0.0		
Channel										
Frequency (MHz)				15.54	15.58	15.47	17.0	0.0		
35	QPSK	1	1	15.44	15.58	15.46	17.0	0.0		
Channel										
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	2512.03	2562.99	2674.98	17.0	0.0		
Channel										
Frequency (MHz)				15.52	15.50	15.41	17.0	0.0		
30	QPSK	1	1	501702	518598	535500	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2508.51	2562.99	2677.5	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	15.56	15.60	15.44	17.0	0.0		
Channel										
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	2506.02	2562.99	2679.99	17.0	0.0		
Channel										
Frequency (MHz)				15.43	15.48	15.39	17.0	0.0		
20	QPSK	1	1	500706	518598	536500	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2503.53	2562.99	2682.43	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	15.51	15.50	15.41	17.0	0.0		
Channel										
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	2502.01	2562.99	2685	17.0	0.0		
Channel										
Frequency (MHz)				15.47	15.47	15.46	17.0	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2546.01	2562.99	2640				
100	PQ2 BPSK	1	1	18.70	18.71	18.65	20.0	0.0		
100	PQ2 BPSK	1	137	18.68	18.81	18.69				
100	PQ2 BPSK	1	271	18.57	18.69	18.62				
100	PQ2 BPSK	135	0	18.56	18.74	18.72	20.0	0.0		
100	PQ2 BPSK	135	69	18.63	18.83	18.65	20.0	0.0		
100	PQ2 BPSK	135	138	18.62	18.71	18.75	20.0	0.0		
100	PQ2 BPSK	270	0	18.65	18.78	18.61				
100	QPSK	1	1	18.71	18.84	18.75				
100	QPSK	1	137	18.57	18.72	18.68	20.0	0.0		
100	QPSK	1	271	18.63	18.71	18.73				
100	QPSK	135	0	18.64	18.69	18.65				
100	QPSK	135	69	18.56	18.81	18.65	20.0	0.0		
100	QPSK	135	138	18.66	18.80	18.67				
100	QPSK	270	0	18.67	18.76	18.69	20.0	0.0		
100	16QAM	1	1	18.60	18.81	18.69	20.0	0.0		
100	64QAM	1	1	18.59	18.75	18.65	20.0	0.0		
100	256QAM	1	1	18.63	18.82	18.65	20.0	0.0		
Channel										
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	18.66	18.69	18.68	17.0	0.0		
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	2536.02	2562.99	2649.99	17.0	0.0		
Channel										
Frequency (MHz)				18.64	18.82	18.71	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	506202	518598	531990	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2531.01	2562.99	2655	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	18.70	18.71	18.65	20.0	0.0		
Channel										
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2526	2562.99	2659.98	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	18.59	18.71	18.64	20.0	0.0		
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2521.02	2562.99	2654.98	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	18.68	18.80	18.68	20.0	0.0		
Channel										
Frequency (MHz)				503700	518598	533498	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2518.5	2562.99	2667.48	Tune-up limit (dBm)	MPR (dB)		
45	QPSK	1	1	18.60	18.70	18.67	20.0	0.0		
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2516.01	2562.99	2670	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	18.61	18.82	18.68	20.0	0.0		
Channel										
Frequency (MHz)				502204	518598	534598	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2513.52	2562.99	2672.49	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	18.66	18.74	18.69	20.0	0.0		
Channel										
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2509.99	2562.99	2674.98	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	18.65	18.78	18.73	20.0	0.0		
Channel										
Frequency (MHz)				501702	518598	535600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2508.51	2562.99	2677.5	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	18.67	18.75	18.62	20.0	0.0		
Channel										
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2503.5	2562.99	2682.48	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	18.64	18.79	18.76	20.0	0.0		
Channel										
Frequency (MHz)				500602	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2504.1	2562.99	2684.98	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	18.63	18.83	18.70	20.0	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641666	646332	3070	3024.99	
Frequency (MHz)				3070	3024.99	3079.98			
40	PI2 BPSK	1	1	13.30	13.28	13.27	15.0	0.0	
40	PI2 BPSK	1	53	13.25	13.24	13.33			
40	PI2 BPSK	1	104	13.20	13.20	13.20	15.0	0.0	
40	PI2 BPSK	50	0	13.30	13.33	13.29			
40	PI2 BPSK	50	28	13.33	13.29	13.34	15.0	0.0	
40	PI2 BPSK	50	56	13.29	13.23	13.27			
40	PI2 BPSK	100	0	13.29	13.34	13.30	15.0	0.0	
40	QPSK	1	1	13.31	13.37	13.35			
40	QPSK	1	53	13.26	13.25	13.26	15.0	0.0	
40	QPSK	1	104	13.23	13.23	13.32			
40	QPSK	50	0	13.23	13.30	13.18	15.0	0.0	
40	QPSK	50	28	13.20	13.30	13.31			
40	QPSK	50	56	13.14	13.33	13.23	15.0	0.0	
40	QPSK	100	0	13.22	13.34	13.23			
40	16QAM	1	1	13.26	13.25	13.20	15.0	0.0	
40	64QAM	1	1	13.20	13.29	13.33			
40	256QAM	1	1	13.20	13.36	13.33	15.0	0.0	
Channel				637668	641666	646666		Tune-up limit (dBm)	
Frequency (MHz)				3053.02	3024.99	3094.99			
30	QPSK	1	1	13.31	13.34	13.20	15.0	0.0	
Channel				637334	641666	646000		Tune-up limit (dBm)	
Frequency (MHz)				3060.01	3024.99	3090			
20	QPSK	1	1	13.32	13.25	13.25	15.0	0.0	
Channel				637160	641666	646100		Tune-up limit (dBm)	
Frequency (MHz)				3057.52	3024.99	3092.49			
15	QPSK	1	1	13.31	13.36	13.27	15.0	0.0	
Channel				637000	641666	646332		Tune-up limit (dBm)	
Frequency (MHz)				3056	3024.99	3094.98			
10	QPSK	1	1	13.25	13.20	13.33	15.0	0.0	

n48_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641666	646332	3070	3024.99	
Frequency (MHz)				3070	3024.99	3079.98			
40	PI2 BPSK	1	1	17.27	17.46	17.48	19.0	0.0	
40	PI2 BPSK	1	53	17.29	17.49	17.43			
40	PI2 BPSK	1	104	17.20	17.52	17.37	19.0	0.0	
40	PI2 BPSK	50	0	17.32	17.42	17.44			
40	PI2 BPSK	50	28	17.26	17.41	17.49	19.0	0.0	
40	PI2 BPSK	50	56	17.24	17.42	17.42			
40	PI2 BPSK	100	0	17.25	17.42	17.40	19.0	0.0	
40	QPSK	1	1	17.31	17.54	17.50			
40	QPSK	1	53	17.27	17.51	17.48	19.0	0.0	
40	QPSK	1	104	17.25	17.42	17.37			
40	QPSK	50	0	17.24	17.42	17.40	19.0	0.0	
40	QPSK	50	28	17.30	17.53	17.43			
40	QPSK	50	56	17.32	17.39	17.37	19.0	0.0	
40	QPSK	100	0	17.34	17.45	17.39			
40	16QAM	1	1	17.34	17.40	17.44	19.0	0.0	
40	64QAM	1	1	17.28	17.45	17.47			
40	256QAM	1	1	17.25	17.39	17.35	19.0	0.0	
Channel				637668	641666	646666		Tune-up limit (dBm)	
Frequency (MHz)				3065.02	3024.99	3094.99			
30	QPSK	1	1	17.23	17.40	17.47	19.0	0.0	
Channel				637334	641666	646000		Tune-up limit (dBm)	
Frequency (MHz)				3060.01	3024.99	3090			
20	QPSK	1	1	17.34	17.52	17.48	19.0	0.0	
Channel				637160	641666	646100		Tune-up limit (dBm)	
Frequency (MHz)				3057.52	3024.99	3092.49			
15	QPSK	1	1	17.31	17.40	17.36	19.0	0.0	
Channel				637000	641666	646332		Tune-up limit (dBm)	
Frequency (MHz)				3056	3024.99	3094.98			
10	QPSK	1	1	17.25	17.45	17.42	19.0	0.0	

n48_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				630000	641666	646332	3070	3024.99	
Frequency (MHz)				3070	3024.99	3079.98			
40	PI2 BPSK	1	1	15.69	15.76	15.58	17.0	0.0	
40	PI2 BPSK	1	53	15.66	15.87	15.58			
40	PI2 BPSK	1	104	15.70	15.81	15.62	17.0	0.0	
40	PI2 BPSK	50	0	15.62	15.87	15.60			
40	PI2 BPSK	50	28	15.62	15.87	15.63	17.0	0.0	
40	PI2 BPSK	50	56	15.74	15.78	15.54			
40	PI2 BPSK	100	0	15.66	15.74	15.65	17.0	0.0	
40	QPSK	1	1	15.75	15.89	15.69			
40	QPSK	1	53	15.62	15.87	15.66	17.0	0.0	
40	QPSK	1	104	15.72	15.84	15.65			
40	QPSK	50	0	15.72	15.72	15.51	17.0	0.0	
40	QPSK	50	28	15.71	15.84	15.64			
40	QPSK	50	56	15.59	15.71	15.60	17.0	0.0	
40	QPSK	100	0	15.66	15.80	15.58			
40	16QAM	1	1	15.81	15.81	15.67	17.0	0.0	
40	64QAM	1	1	15.72	15.81	15.62			
40	256QAM	1	1	15.69	15.86	15.66	17.0	0.0	
Channel				637668	641666	646666		Tune-up limit (dBm)	
Frequency (MHz)				3065.02	3024.99	3094.99			
30	QPSK	1	1	15.63	15.71	15.63	17.0	0.0	
Channel				637334	641666	646000		Tune-up limit (dBm)	
Frequency (MHz)				3060.01	3024.99	3090			
20	QPSK	1	1	15.67	15.78	15.62	17.0	0.0	
Channel				637160	641666	646100		Tune-up limit (dBm)	
Frequency (MHz)				3057.52	3024.99	3092.49			
15	QPSK	1	1	15.73	15.85	15.62	17.0	0.0	
Channel				637000	641666	646332		Tune-up limit (dBm)	
Frequency (MHz)				3056	3024.99	3094.98			
10	QPSK	1	1	15.73	15.76	15.68	17.0	0.0	

n48_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)									
40	P1/2 BPSK	1	1	18.37	18.52	18.49	19.0	0.0	0.0
40	P1/2 BPSK	1	53	18.43	18.57	18.41			
40	P1/2 BPSK	1	104	18.36	18.51	18.47			
40	P1/2 BPSK	50	0	18.45	18.60	18.38	19.0	0.0	0.0
40	P1/2 BPSK	50	28	18.47	18.50	18.45	19.0	0.0	0.0
40	P1/2 BPSK	50	56	18.34	18.55	18.38	19.0	0.0	0.0
40	P1/2 BPSK	100	0	18.40	18.64	18.32			
40	QPSK	1	1	18.40	18.55	18.33			
40	QPSK	1	53	18.43	18.50	18.44	19.0	0.0	0.0
40	QPSK	1	104	18.47	18.54	18.43			
40	QPSK	50	0	18.34	18.48	18.32			
40	QPSK	50	28	18.41	18.50	18.47	19.0	0.0	0.0
40	QPSK	50	56	18.45	18.44	18.34	19.0	0.0	0.0
40	QPSK	100	0	18.46	18.51	18.42			
40	16QAM	1	1	18.36	18.61	18.52	19.0	0.0	0.0
40	16QAM	1	1	18.36	18.64	18.48	19.0	0.0	0.0
40	256QAM	1	1	18.48	18.61	18.48	19.0	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.35	18.61	18.49	19.0	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.36	18.52	18.47	19.0	0.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.44	18.55	18.42	19.0	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.34	18.64	18.45	19.0	0.0	0.0

Part27Q_n77_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									
Frequency (MHz)									
100	P1/2 BPSK	1	1		13.18		15.0	0.0	
100	P1/2 BPSK	1	137		13.10				
100	P1/2 BPSK	1	271		13.10				
100	P1/2 BPSK	135	0		13.09		15.0	0.0	
100	P1/2 BPSK	135	69		13.16		15.0	0.0	
100	P1/2 BPSK	135	138		13.12		15.0	0.0	
100	P1/2 BPSK	270	0		13.16		15.0	0.0	
100	QPSK	1	1		13.18		15.0	0.0	
100	QPSK	1	137		13.07				
100	QPSK	1	271		13.12				
100	QPSK	135	0		13.09		15.0	0.0	
100	QPSK	135	69		13.12		15.0	0.0	
100	QPSK	135	138		13.05		15.0	0.0	
100	QPSK	270	0		13.09		15.0	0.0	
100	16QAM	1	1		13.05		15.0	0.0	
100	16QAM	1	1		13.12		15.0	0.0	
100	256QAM	1	1		13.05		15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.00	13.00	13.18	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.11	13.06	13.10	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.05	13.13	13.05	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.05	13.05	13.09	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.11	13.10	13.05	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.08	13.08	13.08	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.14	13.11	13.04	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.04	13.15	13.04	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.06	13.07	13.04	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.13	13.14	13.13	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.14	13.05	13.12	15.0	0.0	

Part27Q_n77(HPUE)_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									
Frequency (MHz)									
100	P1/2 BPSK	1	1		16.10		18.0	0.0	
100	P1/2 BPSK	1	137		16.12				
100	P1/2 BPSK	1	271		16.03				
100	P1/2 BPSK	135	0		16.05		18.0	0.0	
100	P1/2 BPSK	135	69		16.08		18.0	0.0	
100	P1/2 BPSK	135	138		16.00		18.0	0.0	
100	P1/2 BPSK	270	0		16.12		18.0	0.0	
100	QPSK	1	1		16.14		18.0	0.0	
100	QPSK	1	137		16.13				
100	QPSK	1	271		16.05				
100	QPSK	135	0		16.05		18.0	0.0	
100	QPSK	135	69		16.09		18.0	0.0	
100	QPSK	135	138		16.08		18.0	0.0	
100	QPSK	270	0		16.04		18.0	0.0	
100	16QAM	1	1		16.09		18.0	0.0	
100	16QAM	1	1		16.07		18.0	0.0	
100	256QAM	1	1		16.00		18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.06	16.13	16.12	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.05	16.13	16.10	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.01	16.11	16.04	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.08	16.08	16.08	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.07	16.03	16.04	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.05	16.09	16.10	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.00	16.11	16.12	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.00	16.00	16.00	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.01	16.12	16.10	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.04	16.11	16.08	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.01	16.09	16.06	18.0	0.0	

Part270_n77_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									
Frequency (MHz)									
100	P22 BPSK	1	1	13.11	13.19	13.21			
100	P22 BPSK	1	137	13.13	13.16	13.25	15.0	0.0	
100	P22 BPSK	1	271	13.07	13.23	13.24			
100	P22 BPSK	135	0	13.08	13.30	13.36	15.0	0.0	
100	P22 BPSK	135	69	13.04	13.23	13.22	15.0	0.0	
100	P22 BPSK	135	138	13.11	13.27	13.17	15.0	0.0	
100	P22 BPSK	270	0	13.11	13.26	13.26			
100	QPSK	1	1	13.15	13.31	13.32			
100	QPSK	1	137	13.15	13.29	13.19	15.0	0.0	
100	QPSK	1	271	13.14	13.16	13.28			
100	QPSK	135	0	13.08	13.22	13.16			
100	QPSK	135	69	13.10	13.25	13.22	15.0	0.0	
100	QPSK	135	138	13.01	13.23	13.13			
100	QPSK	270	0	13.12	13.19	13.18	15.0	0.0	
100	16QAM	1	1	13.05	13.18	13.22	15.0	0.0	
100	64QAM	1	1	13.07	13.20	13.16	15.0	0.0	
100	256QAM	1	1	13.07	13.20	13.18	15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.06	13.16	13.15	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.11	13.18	13.27	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.05	13.20	13.19	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.05	13.16	13.15	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.02	13.27	13.14	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.08	13.17	13.26	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.11	13.30	13.20	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.06	13.20	13.22	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.11	13.24	13.16	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.12	13.27	13.16	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.08	13.22	13.19	15.0	0.0	

Part270_n77(HPUE)_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									
Frequency (MHz)									
100	P22 BPSK	1	1	16.11	16.21	16.10			
100	P22 BPSK	1	137	16.13	16.30	16.09	18.0	0.0	
100	P22 BPSK	1	271	16.16	16.31	16.14			
100	P22 BPSK	135	0	16.08	16.23	16.19	18.0	0.0	
100	P22 BPSK	135	69	16.18	16.31	16.21	18.0	0.0	
100	P22 BPSK	135	138	16.14	16.23	16.09	18.0	0.0	
100	P22 BPSK	270	0	16.12	16.30	16.18			
100	QPSK	1	1	16.23	16.34	16.22			
100	QPSK	1	137	16.11	16.21	16.14	18.0	0.0	
100	QPSK	1	271	16.15	16.23	16.09			
100	QPSK	135	0	16.08	16.29	16.10			
100	QPSK	135	69	16.20	16.31	16.17	18.0	0.0	
100	QPSK	135	138	16.16	16.24	16.11			
100	QPSK	270	0	16.17	16.30	16.09	18.0	0.0	
100	16QAM	1	1	16.14	16.32	16.11	18.0	0.0	
100	64QAM	1	1	16.09	16.31	16.08	18.0	0.0	
100	256QAM	1	1	16.21	16.32	16.11	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.11	16.31	16.19	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.10	16.21	16.16	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.22	16.28	16.12	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.09	16.21	16.11	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.22	16.24	16.21	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.21	16.19	16.07	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.17	16.20	16.17	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.10	16.23	16.15	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.16	16.19	16.13	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.09	16.22	16.11	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.14	16.29	16.17	18.0	0.0	

Part270_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1			14.93			
100	P22 BPSK	1	137			14.82	16.5	0.0	
100	P22 BPSK	1	271			14.86			
100	P22 BPSK	135	0			14.84	16.5	0.0	
100	P22 BPSK	135	69			14.78	16.5	0.0	
100	P22 BPSK	135	138			14.92	16.5	0.0	
100	P22 BPSK	270	0			14.85			
100	QPSK	1	1			14.93			
100	QPSK	1	137			14.86	16.5	0.0	
100	QPSK	1	271			14.90			
100	QPSK	135	0			14.80			
100	QPSK	135	69			14.91	16.5	0.0	
100	QPSK	135	138			14.80			
100	QPSK	270	0			14.85	16.5	0.0	
100	16QAM	1	1			14.90	16.5	0.0	
100	64QAM	1	1			14.80	16.5	0.0	
100	256QAM	1	1			14.91	16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.90	14.80	14.87	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.89	14.79	14.91	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.88	14.79	14.83	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.90	14.84	14.88	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.84	14.90	14.80	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.87	14.89	14.91	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.85	14.87	14.83	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.87	14.89	14.86	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.82	14.79	14.80	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.87	14.78	14.86	16.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.79	14.78	14.92	16.5	0.0	

Part27Q_n77(HPUЕ)_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	17.73	165332					
100	P12 BPSK	1	137	17.79			19.5	0.0		
100	P12 BPSK	1	271	17.81						
100	P12 BPSK	135	0	17.77			19.5	0.0		
100	P12 BPSK	135	69	17.73			19.5	0.0		
100	P12 BPSK	135	138	17.83			19.5	0.0		
100	P12 BPSK	270	0	17.79						
100	QPSK	1	1	17.85						
100	QPSK	1	137	17.81			19.5	0.0		
100	QPSK	1	271	17.74						
100	QPSK	135	0	17.72			19.5	0.0		
100	QPSK	135	69	17.81						
100	QPSK	135	138	17.87						
100	QPSK	270	0	17.73			19.5	0.0		
100	16QAM	1	1	17.78			19.5	0.0		
100	64QAM	1	1	17.86			19.5	0.0		
100	256QAM	1	1	17.82			19.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.81	17.84	17.87	19.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.80	17.87	17.77	19.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.85	17.79	17.79	19.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.74	17.74	17.82	19.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.81	17.81	17.84	19.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.80	17.80	17.79	19.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.81	17.75	17.74	19.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.74	17.77	17.80	19.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.85	17.86	17.83	19.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.80	17.79	17.78	19.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.83	17.79	17.80	19.5	0.0		

Part27O_n77_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	14.93	15.04	15.08				
100	P12 BPSK	1	137	14.94	15.05	15.08	16.5	0.0		
100	P12 BPSK	1	271	15.02	15.16	14.98				
100	P12 BPSK	135	0	15.00	15.09	15.05	16.5	0.0		
100	P12 BPSK	135	69	15.02	15.04	15.00	16.5	0.0		
100	P12 BPSK	135	138	15.02	15.05	15.03	16.5	0.0		
100	P12 BPSK	270	0	14.93	15.04	14.98				
100	QPSK	1	1	15.08	15.19	15.11				
100	QPSK	1	137	15.00	15.08	14.98	16.5	0.0		
100	QPSK	1	271	14.99	15.09	14.99				
100	QPSK	135	0	14.94	15.10	15.04	16.5	0.0		
100	QPSK	135	69	15.04	15.13	15.07	16.5	0.0		
100	QPSK	135	138	14.93	15.02	14.97				
100	QPSK	270	0	15.03	15.05	14.99	16.5	0.0		
100	16QAM	1	1	14.98	15.18	15.07	16.5	0.0		
100	64QAM	1	1	15.06	15.16	14.99	16.5	0.0		
100	256QAM	1	1	15.00	15.08	15.08	16.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	15.06	15.14	14.97	16.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.99	15.04	15.06	16.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	15.04	15.08	15.04	16.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.99	15.13	15.05	16.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.99	15.14	15.03	16.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.95	15.05	15.06	16.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	15.01	15.06	15.04	16.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	14.97	15.05	14.95	16.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.96	15.10	15.02	16.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	15.07	15.10	15.01	16.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.98	15.16	15.03	16.5	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	17.85	17.83	17.80				
100	P12 BPSK	1	137	17.78	17.87	17.71	19.5	0.0		
100	P12 BPSK	1	271	17.80	17.86	17.72				
100	P12 BPSK	135	0	17.77	17.84	17.78	19.5	0.0		
100	P12 BPSK	135	69	17.81	17.86	17.74	19.5	0.0		
100	P12 BPSK	135	138	17.90	17.86	17.73	19.5	0.0		
100	P12 BPSK	270	0	17.78	17.87	17.75				
100	QPSK	1	1	17.81	17.86	17.84				
100	QPSK	1	137	17.83	17.82	17.71	19.5	0.0		
100	QPSK	1	271	17.80	17.88	17.69				
100	QPSK	135	0	17.75	17.87	17.71	19.5	0.0		
100	QPSK	135	69	17.81	17.84	17.75				
100	QPSK	135	138	17.72	17.79	17.64				
100	QPSK	270	0	17.83	17.89	17.72	19.5	0.0		
100	16QAM	1	1	17.85	17.83	17.72	19.5	0.0		
100	64QAM	1	1	17.82	17.83	17.80	19.5	0.0		
100	256QAM	1	1	17.85	17.83	17.83	19.5	0.0		
Channel				345.00	345.00	345.00				
Frequency (MHz)				374.52	3840	3934.88				
90	QPSK	1	1	17.84	17.86	17.73	19.5	0.0		
Channel				649.334	65000	66036	Tune-up limit	MPR		
Frequency (MHz)				3193.81	3840	3935.86				
80	QPSK	1	1	17.80	17.84	17.70	19.5	0.0		
Channel				649.000	65000	66300	Tune-up limit	MPR		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	17.84	17.89	17.69	19.5	0.0		
Channel				649.000	65332	66300	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3840	3949.98				
60	QPSK	1	1	17.79	17.94	17.78	19.5	0.0		
Channel				64.834	65000	66366	Tune-up limit	MPR		
Frequency (MHz)				391.01	3840	3954.99				
50	QPSK	1	1	17.82	17.89	17.71	19.5	0.0		
Channel				649.000	65000	66400	Tune-up limit	MPR		
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	17.78	17.92	17.78	19.5	0.0		
Channel				64.968	65500	66432	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	17.74	17.88	17.79	19.5	0.0		
Channel				64.920	65500	66500	Tune-up limit	MPR		
Frequency (MHz)				3712.15	3840	3967.85				
25	QPSK	1	1	17.80	17.91	17.73	19.5	0.0		
Channel				64.734	65000	66466	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3840	3969.99				
20	QPSK	1	1	17.78	17.85	17.81	19.5	0.0		
Channel				64.768	65600	66482	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3840	3972.48				
15	QPSK	1	1	17.78	17.94	17.83	19.5	0.0		
Channel				64.820	65300	66500	Tune-up limit	MPR		
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	17.82	17.85	17.77	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								
Frequency (MHz)								
100	P12 BPSK	1	1	15.10				
100	P12 BPSK	1	137	15.11			15.5	0.0
100	P12 BPSK	1	271	15.09				
100	P12 BPSK	135	0	15.07			15.5	0.0
100	P12 BPSK	135	69	15.12			15.5	0.0
100	P12 BPSK	135	138	15.12			15.5	0.0
100	P12 BPSK	270	0	15.11				
100	QPSK	1	1	15.10				
100	QPSK	1	137	15.10			15.5	0.0
100	QPSK	1	271	15.09				
100	QPSK	135	0	15.07				
100	QPSK	135	69	15.11			15.5	0.0
100	QPSK	135	138	15.06				
100	QPSK	270	0	15.12			15.5	0.0
100	16QAM	1	1	15.11			15.5	0.0
100	64QAM	1	1	15.09			15.5	0.0
100	256QAM	1	1	15.03			15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR
				3499.88	3499.88	3499.88		
80	QPSK	1	1	15.15	15.14	15.09	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632688	633332	634000	Tune-up limit (dBm)	MPR
				3499.02	3499.98	3510		
80	QPSK	1	1	15.01	15.09	15.13	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632234	633332	634332	Tune-up limit (dBm)	MPR
				3485.01	3499.98	3514.88		
70	QPSK	1	1	15.14	15.11	15.14	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR
				3480	3499.98	3519.99		
60	QPSK	1	1	15.06	15.03	15.12	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR
				3473.02	3499.98	3525		
50	QPSK	1	1	15.02	15.12	15.10	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR
				3470.01	3499.98	3514.88		
40	QPSK	1	1	15.01	15.12	15.07	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR
				3460	3499.98	3534.99		
30	QPSK	1	1	15.09	15.07	15.13	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630634	633332	635932	Tune-up limit (dBm)	MPR
				3452.21	3499.98	3537.45		
25	QPSK	1	1	15.11	15.02	15.10	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR
				3460.02	3499.98	3540		
20	QPSK	1	1	15.06	15.06	15.01	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR
				3455.61	3499.98	3544.88		
15	QPSK	1	1	15.09	15.07	15.09	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR
				3455.61	3499.98	3544.88		
10	QPSK	1	1	15.06	15.08	15.04	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)								
100	P12 BPSK	1	1	17.94				
100	P12 BPSK	1	137	17.92			18.5	0.0
100	P12 BPSK	1	271	17.94				
100	P12 BPSK	135	0	18.04			18.5	0.0
100	P12 BPSK	135	69	17.93			18.5	0.0
100	P12 BPSK	135	138	17.92			18.5	0.0
100	P12 BPSK	270	0	17.96				
100	QPSK	1	1	18.05				
100	QPSK	1	137	17.92			18.5	0.0
100	QPSK	1	271	17.92				
100	QPSK	135	0	17.94				
100	QPSK	135	69	17.95			18.5	0.0
100	QPSK	135	138	17.92				
100	QPSK	270	0	17.97			18.5	0.0
100	16QAM	1	1	17.97			18.5	0.0
100	64QAM	1	1	18.04			18.5	0.0
100	256QAM	1	1	18.03			18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR
				3499	3499.88	3504.89		
80	QPSK	1	1	17.84	18.04	17.81	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632688	633332	634000	Tune-up limit (dBm)	MPR
				3490.02	3499.98	3510		
80	QPSK	1	1	17.68	17.62	17.69	18.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632234	633332	634332	Tune-up limit (dBm)	MPR
				3485.01	3499.98	3514.88		
70	QPSK	1	1	17.69	17.67	17.61	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR
				3480	3499.98	3519.99		
60	QPSK	1	1	18.01	17.99	18.00	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR
				3473.02	3499.98	3525		
50	QPSK	1	1	17.69	17.69	18.01	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR
				3470.01	3499.98	3514.88		
40	QPSK	1	1	17.91	17.94	18.03	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR
				3460	3499.98	3534.99		
30	QPSK	1	1	17.85	17.97	17.93	18.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	630634	633332	635932	Tune-up limit (dBm)	MPR
				3452.21	3499.98	3537.45		
25	QPSK	1	1	17.98	17.93	18.05	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR
				3460.02	3499.98	3540		
20	QPSK	1	1	18.00	18.05	17.85	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR
				3455.61	3499.98	3544.88		
15	QPSK	1	1	18.05	17.99	18.04	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR
				3455.61	3499.98	3544.88		
10	QPSK	1	1	17.94	18.05	18.05	18.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	14.63	15.32	15.17		
100	P12 BPSK	1	137	14.64	15.27	15.19	15.5	0.0
100	P12 BPSK	1	271	14.64	15.38	15.20		
100	P12 BPSK	135	0	14.53	15.39	15.28	15.5	0.0
100	P12 BPSK	135	69	14.60	15.30	15.18	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)									
100	P1/2 BPSK	1	1	16.25	3499.98				
100	P1/2 BPSK	1	137	16.26			18.0	0.0	
100	P1/2 BPSK	1	271	16.37					
100	P1/2 BPSK	135	0	16.25			18.0	0.0	
100	P1/2 BPSK	135	69	16.26			18.0	0.0	
100	P1/2 BPSK	135	138	16.26			18.0	0.0	
100	P1/2 BPSK	270	0	16.30					
100	QPSK	1	1	16.40					
100	QPSK	1	137	16.37			18.0	0.0	
100	QPSK	1	271	16.34					
100	QPSK	135	0	16.32					
100	QPSK	135	69	16.30			18.0	0.0	
100	QPSK	135	138	16.24					
100	QPSK	270	0	16.34			18.0	0.0	
100	16QAM	1	1	16.25			18.0	0.0	
100	64QAM	1	1	16.36			18.0	0.0	
100	256QAM	1	1	16.31			18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495	3499.98	3504.99			0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	63.306	63.332	63.360	Tune-up limit (dBm)	MPR	
				3496.02	3499.98	3501			0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	63.311	63.332	63.352	Tune-up limit (dBm)	MPR	
				3495.01	3499.98	3504.98			0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495	3499.98	3504.99			0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495.02	3499.98	3504.99			0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495.01	3499.98	3504.98			0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495.01	3499.98	3504.98			0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495.01	3499.98	3504.98			0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495.01	3499.98	3504.98			0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495.01	3499.98	3504.98			0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	63.300	63.332	63.366	Tune-up limit (dBm)	MPR	
				3495.01	3499.98	3504.98			0.0

Part27O_n78_Ant 7									
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)									
100	P1/2 BPSK	1	1	13.38					
100	P1/2 BPSK	1	137	13.37			15.0	0.0	
100	P1/2 BPSK	1	271	13.36					
100	P1/2 BPSK	135	0	13.44			15.0	0.0	
100	P1/2 BPSK	135	69	13.43			15.0	0.0	
100	P1/2 BPSK	135	138	13.36			15.0	0.0	
100	P1/2 BPSK	270	0	13.38					
100	QPSK	1	1	13.37					
100	QPSK	1	137	13.39			15.0	0.0	
100	QPSK	1	271	13.45					
100	QPSK	135	0	13.30			15.0	0.0	
100	QPSK	135	69	13.43					
100	QPSK	135	138	13.29					
100	QPSK	270	0	13.37			15.0	0.0	
100	16QAM	1	1	13.44			15.0	0.0	
100	64QAM	1	1	13.48			15.0	0.0	
100	256QAM	1	1	13.36			15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64868	65000	65032	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3754.98			
Channel									
Frequency (MHz)									
80	QPSK	1	1	64934	65000	65066	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3759.99			
Channel									
Frequency (MHz)									
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
				3735	3750	3765			
Channel									
Frequency (MHz)									
60	QPSK	1	1	64868	65000	65132	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3774.99			
Channel									
Frequency (MHz)									
50	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
Channel									
Frequency (MHz)									
40	QPSK	1	1	64734	65000	65166	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3784.98			
Channel									
Frequency (MHz)									
30	QPSK	1	1	64700	65000	65200	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3789.99			
Channel									
Frequency (MHz)									
25	QPSK	1	1	64734	65000	65266	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3789.99			
Channel									
Frequency (MHz)									
20	QPSK	1	1	64700	65000	65266	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
Channel									
Frequency (MHz)									
15	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
Channel									
Frequency (MHz)									
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			

Part27O_n78(HPUe)_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									
Frequency (MHz)									
100	P1/2 BPSK	1	1	16.24					
100	P1/2 BPSK	1	137	16.19			18.0	0.0	
100	P1/2 BPSK	1	271	16.24					
100	P1/2 BPSK	135	0	16.31			18.0	0.0	
100	P1/2 BPSK	135	69	16.25			18.0	0.0	
100	P1/2 BPSK	135	138	16.29			18.0	0.0	
100	P1/2 BPSK	270	0	16.29					
100	QPSK	1	1	16.32					
100	QPSK	1	137	16.27			18.0	0.0	
100	QPSK	1	271	16.25					
100	QPSK	135	0	16.17			18.0	0.0	
100	QPSK	135	69	16.31			18.0	0.0	
100	QPSK	135	138	16.23					
100	QPSK	270	0	16.25			18.0	0.0	
100	16QAM	1	1	16.28			18.0	0.0	
100	16QAM	1	1	16.25			18.0	0.0	
100	256QAM	1	1	16.29			18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.08	16.26	16.27	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.08	16.26	16.27	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.22	16.18	16.30	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.35	16.29	16.33	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.24	16.18	16.30	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.17	16.23	16.28	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.19	16.31	16.29	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.22	16.21	16.29	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.22	16.31	16.24	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.34	16.30	16.29	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.18	16.27	16.20	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.21	16.29	16.26	18.0	0.0	

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	14.77	3499.98		16.5	0.0	
100	P12 BPSK	1	137	14.85					
100	P12 BPSK	1	271	14.83					
100	P12 BPSK	135	0	14.71			16.5	0.0	
100	P12 BPSK	135	69	14.80			16.5	0.0	
100	P12 BPSK	135	138	14.78			16.5	0.0	
100	P12 BPSK	270	0	14.84			16.5	0.0	
100	QPSK	1	1	14.86					
100	QPSK	1	137	14.72					
100	QPSK	1	271	14.73			16.5	0.0	
100	QPSK	135	0	14.74					
100	QPSK	135	69	14.84					
100	QPSK	135	138	14.75			16.5	0.0	
100	QPSK	270	0	14.80					
100	16QAM	1	1	14.83			16.5	0.0	
100	64QAM	1	1	14.72			16.5	0.0	
100	256QAM	1	1	14.85			16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63300	63332	63666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3499.98	3504.99	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63068	63332	63432	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3495.01	3499.98	3514.98	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.79	14.85	14.74	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63000	63332	63666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3496	3499.98	3519.99	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63332	63500	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3475.02	3499.98	3525	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3470.01	3499.98	3520.98	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63332	63566	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3478	3499.98	3534.99	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63068	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	3460.02	3499.98	3537.48	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63034	63332	63632	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63000	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3455.01	3499.98	3544.98	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63000	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3450.01	3499.98	3549.99	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63000	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3450.01	3499.98	3544.98	Tune-up limit (dBm)	MPR	

Part27Q_n78(HPUE)_Ant 5									
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)									
100	P12 BPSK	1	1	17.87			19.5	0.0	
100	P12 BPSK	1	137	17.83					
100	P12 BPSK	1	271	17.75					
100	P12 BPSK	135	0	17.78			19.5	0.0	
100	P12 BPSK	135	69	17.86			19.5	0.0	
100	P12 BPSK	135	138	17.80			19.5	0.0	
100	P12 BPSK	270	0	17.89			19.5	0.0	
100	QPSK	1	1	17.80					
100	QPSK	1	137	17.86					
100	QPSK	1	271	17.89			19.5	0.0	
100	QPSK	135	0	17.74					
100	QPSK	135	69	17.87					
100	QPSK	135	138	17.84			19.5	0.0	
100	QPSK	270	0	17.85					
100	16QAM	1	1	17.77			19.5	0.0	
100	64QAM	1	1	17.85			19.5	0.0	
100	256QAM	1	1	17.80			19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63300	63332	63666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3499.98	3504.99	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63068	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3495.02	3499.98	3504.98	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63000	63332	63666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3495	3499.98	3504.99	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63332	63500	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3475.02	3499.98	3525	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3470.01	3499.98	3514.98	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63332	63566	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3465	3499.98	3514.99	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63068	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3462.51	3499.98	3514.98	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63050	63332	63616	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3457.5	3499.98	3542.49	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63034	63332	63632	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3455.01	3499.98	3544.98	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63018	63332	63648	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 limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	15.05				
100	P12 BPSK	1	137	14.84			15.5	0.0
100	P12 BPSK	1	271	14.98				
100	P12 BPSK	135	0	15.04			15.5	0.0
100	P12 BPSK	135	69	15.02			15.5	0.0
100	P12 BPSK	135	138	15.00			15.5	0.0
100	P12 BPSK	270	0	15.03				
100	QPSK	1	1	15.08				
100	QPSK	1	137	14.97			15.5	0.0
100	QPSK	1	271	14.97				
100	QPSK	135	0	15.04			15.5	0.0
100	QPSK	135	69	15.05				
100	QPSK	135	138	14.97				
100	QPSK	270	0	14.98			15.5	0.0
100	16QAM	1	1	15.06			15.5	0.0
100	16QAM	1	1	15.06			15.5	0.0
100	256QAM	1	1	14.99			15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.95	15.01	14.99	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.05	15.02	14.99	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.07	14.98	15.07	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.96	14.98	15.06	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.00	14.95	14.99	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.95	15.01	15.07	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.98	14.97	14.98	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.95	14.95	15.02	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.06	15.00	14.95	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.01	15.02	14.99	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.05	14.96	14.95	15.5	0.0

Part270_n78(HPUE)_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	17.99				
100	P12 BPSK	1	137	17.85			18.5	0.0
100	P12 BPSK	1	271	18.04				
100	P12 BPSK	135	0	18.04			18.5	0.0
100	P12 BPSK	135	69	18.07			18.5	0.0
100	P12 BPSK	135	138	18.01			18.5	0.0
100	P12 BPSK	270	0	18.00				
100	QPSK	1	1	18.10				
100	QPSK	1	137	17.98			18.5	0.0
100	QPSK	1	271	18.07				
100	QPSK	135	0	18.06			18.5	0.0
100	QPSK	135	69	18.09				
100	QPSK	135	138	18.07				
100	QPSK	270	0	18.01			18.5	0.0
100	16QAM	1	1	17.99			18.5	0.0
100	16QAM	1	1	18.00			18.5	0.0
100	256QAM	1	1	18.04			18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.07	17.95	17.89	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.00	18.00	17.97	18.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.97	18.07	18.02	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.97	17.99	18.08	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.97	17.99	18.06	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.97	17.99	18.06	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.06	17.99	18.02	18.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.08	18.01	18.09	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.07	18.00	17.87	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.97	17.97	18.01	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.00	17.98	18.09	18.5	0.0

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	16.85	3469.18			
100	P12 BPSK	1	137	16.87			16.5	0.0
100	P12 BPSK	1	271	16.81				
100	P12 BPSK	135	0	16.91			16.5	0.0
100	P12 BPSK	135	69	16.86			16.5	0.0
100	P12 BPSK	135	138	16.79			16.5	0.0
100	P12 BPSK	270	0	16.88				
100	QPSK	1	1	16.92				
100	QPSK	1	137	16.83			16.5	0.0
100	QPSK	1	271	16.82				
100	QPSK	135	0	16.75			16.5	0.0
100	QPSK	135	69	16.85				
100	QPSK	135	138	16.84				
100	QPSK	270	0	16.83			16.5	0.0
100	16QAM	1	1	16.84			16.5	0.0
100	256QAM	1	1	16.78			16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.81	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.809	3469.332	3539.600	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.81	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.81	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.82	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.80	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.84	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.80	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.86	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.79	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.83	3469.18	3539.66	Tune-up limit (dBm)	MPR (dB)

Part27Q_n78(HPUe)_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	Pl2 BPSK	1	1	19.58	3469.98		21.5	0.0	
100	Pl2 BPSK	1	137	19.58					
100	Pl2 BPSK	1	271	19.64			21.5	0.0	
100	Pl2 BPSK	135	0	19.57					
100	Pl2 BPSK	135	69	19.68			21.5	0.0	
100	Pl2 BPSK	135	138	19.58			21.5	0.0	
100	Pl2 BPSK	270	0	19.62					
100	QPSK	1	1	19.71			21.5	0.0	
100	QPSK	1	137	19.63					
100	QPSK	1	271	19.69			21.5	0.0	
100	QPSK	135	0	19.52					
100	QPSK	135	69	19.65			21.5	0.0	
100	QPSK	135	138	19.61					
100	QPSK	270	0	19.61			21.5	0.0	
100	16QAM	1	1	19.58			21.5	0.0	
100	256QAM	1	1	19.61			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.56	3533.92	3539.96	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.68	3606.98	3640.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.62	3469.98	3510.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.59	3533.92	3634.32	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.68	3469.98	3519.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.68	3533.92	3650.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.61	3469.98	3529.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.62	3533.92	3639.96	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.59	3533.92	3659.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.60	3469.98	3537.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.60	3533.92	3647.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.69	3469.98	3540.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.68	3533.92	3652.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.57	3533.92	3683.92	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.67	3469.98	3544.98	Tune-up limit (dBm)	MPR (dB)	

Part27O_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	PQ2 BPSK	1	1	17.18	3750		18.5	0.0	
100	PQ2 BPSK	1	137	17.13					
100	PQ2 BPSK	1	271	17.07			18.5	0.0	
100	PQ2 BPSK	135	0	17.19					
100	PQ2 BPSK	135	69	17.16			18.5	0.0	
100	PQ2 BPSK	135	138	17.09			18.5	0.0	
100	PQ2 BPSK	270	0	17.18					
100	QPSK	1	1	17.20			18.5	0.0	
100	QPSK	1	137	17.08					
100	QPSK	1	271	17.13			18.5	0.0	
100	QPSK	135	0	17.10					
100	QPSK	135	69	17.17			18.5	0.0	
100	QPSK	135	138	17.08					
100	QPSK	270	0	17.10			18.5	0.0	
100	16QAM	1	1	17.09			18.5	0.0	
100	64QAM	1	1	17.17			18.5	0.0	
100	256QAM	1	1	17.14			18.5	0.0	
Channel									
				649986	650000	650032	Tune-up limit	MPR	
Frequency (MHz)				3745.69	3750	3754.86			
90	QPSK	1	1	17.17	17.09	17.15	18.5	0.0	
Channel									
				649934	650000	650066	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	17.18	17.06	17.13	18.5	0.0	
Channel									
				649900	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.10	17.08	17.17	18.5	0.0	
Channel									
				649908	650000	651302	Tune-up limit	MPR	
Frequency (MHz)				3739.02	3750	3769.88			
60	QPSK	1	1	17.16	17.15	17.13	18.5	0.0	
Channel									
				644334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3728.01	3750	3772.99			
50	QPSK	1	1	17.12	17.13	17.08	18.5	0.0	
Channel									
				648800	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.10	17.19	17.16	18.5	0.0	
Channel									
				647698	650000	652302	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.88			
30	QPSK	1	1	17.08	17.14	17.17	18.5	0.0	
Channel									
				647200	650000	652900	Tune-up limit	MPR	
Frequency (MHz)				3712.0	3750	3792.0			
25	QPSK	1	1	17.19	17.16	17.11	18.5	0.0	
Channel									
				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	17.09	17.18	17.10	18.5	0.0	
Channel									
				647430	650000	652602	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	17.10	17.05	17.18	18.5	0.0	
Channel									
				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3702	3750	3798			
10	QPSK	1	1	17.15	17.09	17.10	18.5	0.0	

Part27O_n78(HPUe)_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	19.80	3750		21.5	0.0	
100	P12 BPSK	1	137	19.85					
100	P12 BPSK	1	271	19.82			21.5	0.0	
100	P12 BPSK	135	0	19.87					
100	P12 BPSK	135	69	19.91			21.5	0.0	
100	P12 BPSK	135	138	19.89			21.5	0.0	
100	P12 BPSK	270	0	19.92					
100	QPSK	1	1	19.85			21.5	0.0	
100	QPSK	1	137	19.90					
100	QPSK	1	271	19.84			21.5	0.0	
100	QPSK	135	0	19.78					
100	QPSK	135	69	19.91			21.5	0.0	
100	QPSK	135	138	19.79					
100	QPSK	270	0	19.89			21.5	0.0	
100	16QAM	1	1	19.93			21.5	0.0	
100	64QAM	1	1	19.90			21.5	0.0	
100	256QAM	1	1	19.88			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.82	19.83	19.93	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.94	19.83	19.90	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.85	19.85	19.89	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.92	19.86	19.91	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.73	19.73	19.74	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.82	19.81	19.84	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.91	19.87	19.84	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.85	19.91	19.94	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.82	19.85	19.88	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.90	19.89	19.92	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.85	19.83	19.89	21.5	0.0	

n2_Ant 2								
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)								
				1870	1880	1880		
40	P2 PSK	1	1	22.18	22.31	22.23		
40	P2 PSK	1	108	22.18	22.31	22.29	24.0	0.0
40	P2 PSK	1	214	22.29	22.34	22.23		
40	P2 PSK	108	0	21.55	21.68	21.55	23.5	0.5
40	P2 PSK	108	84	22.11	22.17	22.09	24.0	0.0
40	P2 PSK	108	108	21.63	21.68	21.63	23.5	0.5
40	P2 PSK	216	0	21.54	21.68	21.54		
40	QPSK	1	0	22.34	22.40	22.39		
40	QPSK	1	108	22.23	22.33	22.27	24.0	0.0
40	QPSK	1	214	22.31	22.34	22.33		
40	QPSK	108	0	21.14	21.23	21.13	23.0	1.0
40	QPSK	108	84	22.11	22.20	22.10	24.0	0.0
40	QPSK	108	108	21.22	21.25	21.23	23.5	0.5
40	QPSK	216	0	21.21	21.23	21.21	23.0	1.0
40	16QAM	1	1	21.42	21.48	21.41	23.0	1.0
40	64QAM	1	1	19.81	19.84	19.83	21.5	2.5
40	256QAM	1	1	17.54	17.63	17.57	19.5	4.5
Channel								
Frequency (MHz)								
				375000	376000	378500	Tune-up limit (dbm)	MPR (db)
				1867.5	1880	1850.5		
35	QPSK	1	1	22.18	22.25	22.17	24.0	0.0
Channel								
Frequency (MHz)								
				372000	376000	379000	Tune-up limit (dbm)	MPR (db)
				1867.5	1885	1867.5		
30	QPSK	1	1	22.15	22.30	22.21	24.0	0.0
Channel								
Frequency (MHz)								
				372500	376000	379500	Tune-up limit (dbm)	MPR (db)
				1862.5	1880	1857.5		
25	QPSK	1	1	22.22	22.28	22.24	24.0	0.0
Channel								
Frequency (MHz)								
				373000	376000	379000	Tune-up limit (dbm)	MPR (db)
				1860	1880	1860		
20	QPSK	1	1	22.19	22.28	22.24	24.0	0.0
Channel								
Frequency (MHz)								
				371500	376000	380500	Tune-up limit (dbm)	MPR (db)
				1857.5	1885	1862.5		
15	QPSK	1	1	22.15	22.20	22.20	24.0	0.0
Channel								
Frequency (MHz)								
				371000	376000	381000	Tune-up limit (dbm)	MPR (db)
				1855	1880	1855		
10	QPSK	1	1	22.22	22.26	22.17	24.0	0.0
Channel								
Frequency (MHz)								
				370500	376000	381500	Tune-up limit (dbm)	MPR (db)
				1852.5	1885	1852.5		
5	QPSK	1	1	22.17	22.25	22.19	24.0	0.0

Reduced Power Mode for EC14									
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BW (MHz)	Modulation	RB Size	RB Offset	Power Channel Freq / Freq 374000	Power Channel Freq / Freq 376000	Power Channel Freq / Freq 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1	1	1			
40	PQ2 BPSK	1	1	22.24	22.24	22.24			
40	PQ2 BPSK	1	108	22.33	22.38	22.39	24.0	0.0	
40	PQ2 BPSK	1	214	22.29	22.41	22.38			
40	PQ2 BPSK	108	0	21.65	21.65	21.63	23.5	0.5	
40	PQ2 BPSK	108	54	22.33	22.33	22.35	24.0	0.0	
40	PQ2 BPSK	108	108	21.68	21.81	21.74	23.5	0.5	
40	PQ2 BPSK	216	0	21.67	21.69	21.72			
40	QPSK	1	1	22.38	22.45	22.41			
40	QPSK	1	108	22.35	22.43	22.35	24.0	0.0	
40	QPSK	1	214	22.25	22.37	22.29			
40	QPSK	108	0	21.15	21.23	21.16	23.0	1.0	
40	QPSK	108	54	22.26	22.27	22.17	24.0	0.0	
40	QPSK	108	108	21.25	21.32	21.26	23.0	1.0	
40	QPSK	216	0	21.27	21.27	21.28			
40	16QAM	1	1	21.43	21.45	21.42	23.0	1.0	
40	64QAM	1	1	19.55	19.62	19.58	21.5	2.5	
40	256QAM	1	1	17.56	17.60	17.51	19.5	4.5	
Channel									
Frequency (MHz)				373500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.22	22.29	22.20	24.0	0.0	
Channel									
Frequency (MHz)				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.65	19.80	19.65	24.0	0.0	
Channel									
Frequency (MHz)				372500	376000	376000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.62	18.80	18.62	24.0	0.0	
Channel									
Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.65	18.80	19.00	24.0	0.0	
Channel									
Frequency (MHz)				22.23	23.31	23.23	24.0 <td>0.0</td>	0.0	
Channel									
Frequency (MHz)				371500	376000	380000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.62	18.80	19.02	24.0	0.0	
Channel									
Frequency (MHz)				22.23	23.31	23.20	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.65	18.80	19.05	24.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.62	18.80	19.02	24.0	0.0	
Channel									
Frequency (MHz)				22.22	22.24	22.17	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Middle [dBm]	Power High [dBm]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	22.07	22.08	22.08			
40	PV2 BPSK	1	108	22.10	22.10	22.11	24.0	0.0	
40	PV2 BPSK	1	214	22.12	22.20	22.05			
40	PV2 BPSK	108	0	21.50	21.64	21.55	23.5	0.5	
40	PV2 BPSK	108	54	22.06	22.08	22.05	24.0	0.0	
40	PV2 BPSK	108	108	21.58	21.60	21.55	23.5	0.5	
40	PV2 BPSK	216	0	21.54	21.54	21.53			
40	QPSK	1	1	22.22	22.24	22.19			
40	QPSK	1	108	22.08	22.18	22.06	24.0	0.0	
40	QPSK	1	214	22.18	22.23	22.13			
40	QPSK	108	0	21.10	21.15	21.05	23.0	1.0	
40	QPSK	108	54	22.10	22.15	22.14	24.0	0.0	
40	QPSK	108	108	21.14	21.16	21.10	23.0	1.0	
40	QPSK	216	0	21.10	21.13	21.08			
40	16QAM	1	1	21.21	21.28	21.21	23.0	1.0	
40	64QAM	1	1	19.51	19.52	19.54	21.5	2.5	
40	64QAM	1	1	17.57	17.51	17.51	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.17	22.17	22.18	24.0	0.0	
30	QPSK	1	1	37.3000	37.3000	37.3000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.80	18.80	18.85	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.14	22.14	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.18	22.23	22.14	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	37.3000	37.3000	37.3000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.80	18.80	18.90	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.17	22.21	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.75	18.75	18.75	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.13	22.22	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	37.1000	37.1000	37.1000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.85	18.80	19.05	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.17	22.20	22.12	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	37.0500	37.0500	37.0500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.75	18.80	19.05	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.18	22.19	22.16	24.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				22.28	22.35	22.32			
20	PI2 BPSK	1	1	22.28	22.35	22.32	24.0	0.0	
20	PI2 BPSK	1	53	22.25	22.27	22.17			
20	PI2 BPSK	1	104	22.10	22.25	22.20			
20	PI2 BPSK	50	0	21.56	21.70	21.60	23.5	0.5	
20	PI2 BPSK	50	28	22.12	22.17	22.06	24.0	0.0	
20	PI2 BPSK	50	56	21.57	21.60	21.63			
20	PI2 BPSK	100	0	21.58	21.71	21.64	23.5	0.5	
20	QPSK	1	1	22.31	22.36	22.35			
20	QPSK	1	53	22.23	22.31	22.27	24.0	0.0	
20	QPSK	1	104	22.16	22.29	22.24			
20	QPSK	50	0	21.14	21.23	21.15	23.0	1.0	
20	QPSK	50	28	22.13	22.22	22.15	24.0	0.0	
20	QPSK	50	56	21.13	21.18	21.16			
20	QPSK	100	0	21.16	21.22	21.18	23.0	1.0	
20	16QAM	1	1	21.41	21.45	21.37	23.0	1.0	
20	64QAM	1	1	19.52	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.51	17.53	17.50	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.23	22.27	22.29	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.25	22.34	22.31	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.30	22.33	22.29	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				22.13	22.17	22.09			
20	PI2 BPSK	1	1	22.13	22.17	22.09	24.0	0.0	
20	PI2 BPSK	1	53	22.10	22.12	22.06			
20	PI2 BPSK	1	104	22.05	22.12	22.12			
20	PI2 BPSK	50	0	21.50	21.53	21.52	23.5	0.5	
20	PI2 BPSK	50	28	22.04	22.05	22.01	24.0	0.0	
20	PI2 BPSK	50	56	21.51	21.55	21.53			
20	PI2 BPSK	100	0	21.50	21.57	21.52	23.5	0.5	
20	QPSK	1	1	22.10	22.24	22.17			
20	QPSK	1	53	22.09	22.16	22.08	24.0	0.0	
20	QPSK	1	104	22.04	22.18	22.13			
20	QPSK	50	0	21.04	21.08	21.03	23.0	1.0	
20	QPSK	50	28	22.07	22.10	22.00	24.0	0.0	
20	QPSK	50	56	21.03	21.06	21.04			
20	QPSK	100	0	21.04	21.08	21.04	23.0	1.0	
20	16QAM	1	1	21.25	21.28	21.22	23.0	1.0	
20	64QAM	1	1	19.57	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.53	17.54	17.54	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.17	22.18	22.16	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.16	22.15	22.13	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.16	22.17	22.10	24.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50550	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 50800	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				22.47	22.51	22.44			
50	PI2 BPSK	1	1	22.47	22.51	22.44	24.0	0.0	
50	PI2 BPSK	1	156	22.32	22.35	22.33			
50	PI2 BPSK	1	288	22.04	22.09	22.10			
50	PI2 BPSK	136	0	22.02	22.02	21.91	23.5	0.5	
50	PI2 BPSK	136	68	22.22	22.31	22.30	24.0	0.0	
50	PI2 BPSK	136	136	21.74	21.73	21.74			
50	PI2 BPSK	270	0	21.88	21.88	21.79	23.5	0.5	
50	QPSK	1	1	22.51	22.53	22.52			
50	QPSK	1	135	22.41	22.43	22.42	24.0	0.0	
50	QPSK	1	288	22.19	22.19	22.14			
50	QPSK	136	0	21.53	21.56	21.49	23.0	1.0	
50	QPSK	136	68	22.32	22.39	22.37	24.0	0.0	
50	QPSK	136	135	21.25	21.29	21.28			
50	QPSK	270	0	21.28	21.28	21.37	23.0	1.0	
50	16QAM	1	1	21.71	21.76	21.71	23.0	1.0	
50	64QAM	1	1	19.91	19.94	19.93	21.5	2.5	
50	256QAM	1	1	17.80	17.85	17.75	19.5	4.5	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2550			
40	QPSK	1	1	22.43	22.48	22.45	24.0	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
30	QPSK	1	1	22.42	22.43	22.43	24.0	0.0	
Channel				505500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.49	22.46	22.51	24.0	0.0	
Channel				505500	507000	515000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.41	22.46	22.43	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.47	22.45	22.48	24.0	0.0	
Channel				501600	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2565			
10	QPSK	1	1	22.49	22.44	22.49	24.0	0.0	
Channel				500500	507000	515000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.45	22.48	22.50	24.0	0.0	

n7_Ant 1(ENDC)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 565000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)									
50	Pl2 BPSK	1	1	22.02	22.11	22.05	24.0	0.0	
50	Pl2 BPSK	1	135	22.32	22.40	22.43			
50	Pl2 BPSK	1	268	22.22	22.24	22.27			
50	Pl2 BPSK	135	0	21.62	21.67	21.65			
50	Pl2 BPSK	135	68	22.09	22.16	22.14	24.0	0.0	
50	Pl2 BPSK	135	135	21.80	21.55	21.52	23.5	0.5	
50	Pl2 BPSK	270	0	21.51	21.67	21.55			
50	QPSK	1	1	22.37	22.45	22.44	24.0	0.0	
50	QPSK	1	135	22.08	22.17	22.13			
50	QPSK	1	268	22.25	22.31	22.30			
50	QPSK	135	0	21.19	21.22	21.21			
50	QPSK	135	68	22.18	22.23	22.16	23.0	1.0	
50	QPSK	135	135	21.14	21.15	21.07	24.0	0.0	
50	QPSK	270	0	21.16	21.20	21.11	23.0	1.0	
50	16QAM	1	1	21.25	21.32	21.26	23.0	1.0	
50	64QAM	1	1	19.58	19.61	19.54	21.5	2.5	
50	256QAM	1	1	17.52	17.62	17.60	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.27	22.41	22.42	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.38	22.35	22.36	24.0	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5 <td>24.0</td> <td>0.0</td> <td></td>	24.0	0.0	
25	QPSK	1	1	22.34	22.41	22.36	24.0	0.0	
Channel				512000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.29	22.40	22.43	24.0	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5 <td>2535</td> <td>2562.5</td> <td>24.0</td> <td>0.0</td> <td></td>	2535	2562.5	24.0	0.0	
15	QPSK	1	1	22.34	22.43	22.40	24.0	0.0	
Channel				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505 <td>2535</td> <td>2565</td> <td>24.0</td> <td>0.0</td> <td></td>	2535	2565	24.0	0.0	
10	QPSK	1	1	22.31	22.43	22.34	24.0	0.0	
Channel				500000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5 <td>2535</td> <td>2567.5</td> <td>24.0</td> <td>0.0</td> <td></td>	2535	2567.5	24.0	0.0	
5	QPSK	1	1	22.36	22.37	22.34	24.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)							24.0	0.0	
15	Pl2 BPSK	1	1	22.39	22.49	22.32			
15	Pl2 BPSK	1	40	22.34	22.37	22.35			
15	Pl2 BPSK	1	77	22.38	22.51	22.46			
15	Pl2 BPSK	36	0	21.78	21.86	21.84	23.5	0.5	
15	Pl2 BPSK	36	22	22.23	22.32	22.25	24.0	0.0	
15	Pl2 BPSK	36	43	21.72	21.87	21.77	23.5	0.5	
15	Pl2 BPSK	75	0	21.81	21.91	21.82	23.5	0.5	
15	QPSK	1	1	22.45	22.52	22.48			
15	QPSK	1	40	22.37	22.45	22.38	24.0	0.0	
15	QPSK	1	77	22.47	22.50	22.40			
15	QPSK	36	0	21.36	21.45	21.37	23.0	1.0	
15	QPSK	36	22	22.30	22.38	22.31	24.0	0.0	
15	QPSK	36	43	21.29	21.38	21.36	23.0	1.0	
15	QPSK	75	0	21.36	21.43	21.34	23.0	1.0	
15	16QAM	1	1	21.60	21.63	21.61	23.0	1.0	
15	64QAM	1	1	19.77	19.78	19.70	21.5	2.5	
15	256QAM	1	1	17.73	17.75	17.74	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.38	22.45	22.42	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.47	22.51	22.39	24.0	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.19	22.24	22.23	24.0	0.0	
15	Pl2 BPSK	1	40	22.24	22.23	22.17			
15	Pl2 BPSK	1	77	22.12	22.22	22.14			
15	Pl2 BPSK	36	0	21.58	21.69	21.60	23.5	0.5	
15	Pl2 BPSK	36	22	22.05	22.16	22.07	24.0	0.0	
15	Pl2 BPSK	36	43	21.50	21.58	21.52	23.5	0.5	
15	Pl2 BPSK	75	0	21.51	21.62	21.57	23.5	0.5	
15	QPSK	1	1	22.25	22.32	22.27			
15	QPSK	1	40	22.25	22.28	22.23	24.0	0.0	
15	QPSK	1	77	22.20	22.26	22.18			
15	QPSK	36	0	21.17	21.23	21.19	23.0	1.0	
15	QPSK	36	22	22.06	22.18	22.10	24.0	0.0	
15	QPSK	36	43	21.08	21.16	21.07	23.0	1.0	
15	QPSK	75	0	21.10	21.20	21.13	23.0	1.0	
15	16QAM	1	1	21.34	21.43	21.36	23.0	1.0	
15	64QAM	1	1	19.55	19.57	19.52	21.5	2.5	
15	256QAM	1	1	17.52	17.56	17.53	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706	707.5	711			
10	QPSK	1	1	22.19	22.24	22.26	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.20	22.24	22.18	24.0	0.0	

n13_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dbm)	MPR (db)
Channel				762			24.0	0.0
Frequency (MHz)								
10	PI2 BPSK	1	1	22.39	22.40	22.38	24.0	0.0
10	PI2 BPSK	1	26	22.18	22.26	22.15		
10	PI2 BPSK	1	50	22.18	22.20	22.16		
10	PI2 BPSK	25	0	21.53	21.60	21.57	23.5	0.5
10	PI2 BPSK	25	14	22.12	22.14	22.06	24.0	0.0
10	PI2 BPSK	25	27	21.53	21.60	21.56	23.5	0.5
10	PI2 BPSK	50	0	21.57	21.63	21.52		
10	QPSK	1	1	22.47	22.48	22.43		
10	QPSK	1	26	22.27	22.28	22.24	24.0	0.0
10	QPSK	1	50	22.22	22.23	22.21	23.0	1.0
10	QPSK	25	0	21.13	21.15	21.09		
10	QPSK	25	14	22.13	22.15	22.13		
10	QPSK	25	27	21.08	21.18	21.11	23.0	1.0
10	QPSK	50	0	21.16	21.17	21.08		
10	16QAM	1	1	21.45	21.52	21.47		
10	64QAM	1	1	19.52	19.55	19.50	21.5	2.5
10	256QAM	1	1	17.52	17.54	17.53	19.5	4.5
Channel				799.5 <th>762<th>768.5<th rowspan="2">24.0</th><th rowspan="2">0.0</th></th></th>	762 <th>768.5<th rowspan="2">24.0</th><th rowspan="2">0.0</th></th>	768.5 <th rowspan="2">24.0</th> <th rowspan="2">0.0</th>	24.0	0.0
Frequency (MHz)								
5	QPSK	1	1	22.37	22.45	22.38	24.0	0.0

n13_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel				16640			24.0	0.0
Frequency (MHz)				762				
10	PI2 BPSK	1	1	22.34	22.37	22.34	24.0	0.0
10	PI2 BPSK	1	26	22.09	22.18	22.12		
10	PI2 BPSK	1	50	22.13	22.19	22.17		
10	PI2 BPSK	25	0	21.59	21.56	21.50	23.5	0.5
10	PI2 BPSK	25	14	22.00	22.06	22.07	24.0	0.0
10	PI2 BPSK	25	27	21.58	21.69	21.61	23.5	0.5
10	PI2 BPSK	50	0	21.58	21.56	21.51		
10	QPSK	1	1	22.47	22.43	22.42		
10	QPSK	1	26	22.15	22.24	22.14	24.0	0.0
10	QPSK	1	50	22.14	22.23	22.18	23.0	1.0
10	QPSK	25	0	21.08	21.14	21.09		
10	QPSK	25	14	22.00	22.10	22.11		
10	QPSK	25	27	21.16	21.21	21.15	23.0	1.0
10	QPSK	50	0	21.10	21.15	21.07		
10	16QAM	1	1	21.47	21.48	21.41		
10	64QAM	1	1	19.54	19.54	19.54	21.5	2.5
10	256QAM	1	1	17.54	17.52	17.54	19.5	4.5
Channel				16690			24.0	0.0
Frequency (MHz)				792	784	784		
5	QPSK	1	1	22.40	22.41	22.36	24.0	0.0

n14_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel				793			24.0	0.0
Frequency (MHz)								
10	PI2 BPSK	1	1	22.13	22.16	22.15	24.0	0.0
10	PI2 BPSK	1	26	22.14	22.23	22.12		
10	PI2 BPSK	1	50	22.17	22.27	22.22		
10	PI2 BPSK	25	0	21.56	21.63	21.54	23.5	0.5
10	PI2 BPSK	25	14	22.08	22.06	22.02	24.0	0.0
10	PI2 BPSK	25	27	21.58	21.61	21.58	23.5	0.5
10	PI2 BPSK	50	0	21.58	21.64	21.55		
10	QPSK	1	1	22.22	22.32	22.28		
10	QPSK	1	26	22.15	22.25	22.15	24.0	0.0
10	QPSK	1	50	22.18	22.22	22.16	23.0	1.0
10	QPSK	25	0	21.10	21.18	21.09		
10	QPSK	25	14	22.10	22.14	22.07		
10	QPSK	25	27	21.12	21.13	21.11	23.0	1.0
10	QPSK	50	0	21.13	21.15	21.11		
10	16QAM	1	1	21.32	21.34	21.33		
10	64QAM	1	1	19.62	19.64	19.55	21.5	2.5
10	256QAM	1	1	17.52	17.60	17.57	19.5	4.5
Channel				7905	793	795.5	24.0	0.0
Frequency (MHz)				7905	793	795.5		
5	QPSK	1	1	22.08	22.14	22.10	24.0	0.0

n14_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
10	P12 BPSK	1	1	22.14	22.12	22.07	24.0
10	P12 BPSK	1	26	22.16	22.14	22.05	
10	P12 BPSK	1	50	22.27	22.37	22.30	
10	P12 BPSK	25	0	21.57	21.56	21.56	23.5
10	P12 BPSK	25	14	22.09	22.09	22.00	24.0
10	P12 BPSK	25	27	21.56	21.60	21.56	23.5
10	P12 BPSK	50	0	21.50	21.59	21.59	
10	QPSK	1	1	22.32	22.38	22.37	
10	QPSK	1	26	22.20	22.24	22.14	24.0
10	QPSK	1	50	22.16	22.21	22.14	23.0
10	QPSK	25	0	21.09	21.17	21.12	
10	QPSK	25	14	22.08	22.16	22.10	
10	QPSK	25	27	21.13	21.17	21.16	23.0
10	QPSK	50	0	21.10	21.16	21.06	
10	16QAM	1	1	21.23	21.25	21.24	
10	64QAM	1	1	19.52	19.54	19.53	21.5
10	256QAM	1	1	17.56	17.60	17.60	19.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.24	22.37	22.27	24.0

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	22.24	22.28	22.28	24.0
40	P12 BPSK	1	108	22.35	22.44	22.30	
40	P12 BPSK	1	214	22.31	22.32	22.21	
40	P12 BPSK	108	0	21.73	21.77	21.71	23.5
40	P12 BPSK	108	54	22.23	22.22	22.12	24.0
40	P12 BPSK	108	108	21.74	21.71	21.71	23.5
40	P12 BPSK	216	0	21.69	21.73	21.66	
40	QPSK	1	1	22.42	22.46	22.38	
40	QPSK	1	108	22.30	22.36	22.32	24.0
40	QPSK	1	214	22.36	22.40	22.36	23.0
40	QPSK	108	0	21.24	21.32	21.24	
40	QPSK	108	54	22.24	22.28	22.19	
40	QPSK	108	108	21.29	21.31	21.24	23.0
40	QPSK	216	0	21.24	21.27	21.19	
40	16QAM	1	1	21.45	21.50	21.43	
40	64QAM	1	1	19.58	19.60	19.51	21.5
40	256QAM	1	1	17.56	17.66	17.61	19.5
Channel							
Frequency (MHz)							
35	QPSK	1	1	22.32	22.44	22.33	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.40	22.45	22.37	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.38	22.44	22.34	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.37	22.43	22.40	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.41	22.38	22.35	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.35	22.37	22.39	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.36	22.39	22.34	24.0

n25_Ant 9							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	22.26	22.20	22.22	24.0
40	P12 BPSK	1	108	22.30	22.34	22.28	
40	P12 BPSK	1	214	22.41	22.43	22.43	
40	P12 BPSK	108	0	21.59	21.62	21.61	23.5
40	P12 BPSK	108	54	22.16	22.23	22.06	24.0
40	P12 BPSK	108	108	21.65	21.73	21.68	23.5
40	P12 BPSK	216	0	21.61	21.71	21.59	
40	QPSK	1	1	22.46	22.47	22.46	
40	QPSK	1	108	22.34	22.38	22.37	24.0
40	QPSK	1	214	22.36	22.39	22.24	23.0
40	QPSK	108	0	21.12	21.20	21.16	
40	QPSK	108	54	22.19	22.24	22.14	
40	QPSK	108	108	21.18	21.28	21.26	23.0
40	QPSK	216	0	21.13	21.23	21.16	
40	16QAM	1	1	21.31	21.41	21.37	
40	64QAM	1	1	19.54	19.56	19.52	21.5
40	256QAM	1	1	17.53	17.56	17.55	19.5
Channel							
Frequency (MHz)							
35	QPSK	1	1	22.38	22.39	22.40	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.45	22.39	22.41	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.42	22.39	22.44	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.42	22.43	22.36	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.42	22.38	22.38	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.43	22.44	22.37	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.38	22.39	22.36	24.0

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 374500	Power Middle Ch. Freq. 376500	Power High Ch. Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1875	1882.5	1895			
Frequency (MHz)									
40	PQ2 BPSK	1	1	22.12	22.15	22.09	24.0	0.0	
40	PQ2 BPSK	1	108	22.11	22.20	22.19			
40	PQ2 BPSK	1	214	22.27	22.28	22.21			
40	PQ2 BPSK	106	0	20.97	21.06	21.13	23.5	0.5	
40	PQ2 BPSK	108	54	22.07	22.08	22.04	24.0	0.0	
40	PQ2 BPSK	108	108	21.11	21.12	21.10	23.5	0.5	
40	PQ2 BPSK	216	0	21.07	21.09	21.07			
40	QPSK	1	1	22.31	22.34	22.30			
40	QPSK	1	108	22.18	22.28	22.20	24.0	0.0	
40	QPSK	1	214	22.16	22.20	22.18	23.0	1.0	
40	QPSK	108	0	21.07	21.10	21.15			
40	QPSK	108	54	22.17	22.18	22.08		24.0	
40	QPSK	108	108	21.14	21.19	21.12	23.0	1.0	
40	QPSK	216	0	21.14	21.17	21.16	23.0	1.0	
40	16QAM	1	1	21.24	21.32	21.23			
40	64QAM	1	1	19.56	19.50	19.56	21.5	2.5	
40	256QAM	1	1	17.59	17.60	17.55	19.5	4.5	
Channel				372500	376500	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1882.5	1892.5	1900			
35	QPSK	1	1	22.27	22.26	22.21	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	22.21	22.25	22.20	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	22.28	22.27	22.20	24.0	0.0	
Channel				372000	375500	379000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	22.28	22.30	22.24	24.0	0.0	
Channel				371500	375000	381500	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	22.28	22.29	22.23	24.0	0.0	
Channel				371000	375000	382000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.26	22.27	22.25	24.0	0.0	
Channel				370500	375000	382500	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	22.28	22.30	22.21	24.0	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	PQ2 BPSK	1	1	22.12	22.24	22.11	24.0	0.0	
20	PQ2 BPSK	1	53	22.23	22.24	22.24			
20	PQ2 BPSK	1	104	22.23	22.20	22.21			
20	PQ2 BPSK	50	0	21.58	21.57	21.52	23.5	0.5	
20	PQ2 BPSK	50	28	22.05	22.14	22.09	24.0	0.0	
20	PQ2 BPSK	50	56	21.52	21.58	21.53	23.5	0.5	
20	PQ2 BPSK	100	0	21.59	21.56	21.57			
20	QPSK	1	1	22.30	22.37	22.31			
20	QPSK	1	53	22.20	22.28	22.18	24.0	0.0	
20	QPSK	1	104	22.27	22.20	22.26	23.0	1.0	
20	QPSK	50	0	21.09	21.17	21.12			
20	QPSK	50	28	22.00	22.15	22.10		24.0	
20	QPSK	50	56	21.05	21.15	21.08	23.0	1.0	
20	QPSK	100	0	21.13	21.16	21.16	23.0	1.0	
20	16QAM	1	1	21.41	21.43	21.35			
20	64QAM	1	1	19.63	19.68	19.58	21.5	2.5	
20	256QAM	1	1	17.59	17.69	17.62	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	844			
15	QPSK	1	1	22.22	22.27	22.21	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.27	22.28	22.21	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	22.26	22.25	22.29	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	PQ2 BPSK	1	1	22.37	22.40	22.39	24.0	0.0	
20	PQ2 BPSK	1	53	22.41	22.39	22.45			
20	PQ2 BPSK	1	104	22.35	22.38	22.32			
20	PQ2 BPSK	50	0	21.70	21.74	21.71	23.5	0.5	
20	PQ2 BPSK	50	28	22.15	22.30	22.12	24.0	0.0	
20	PQ2 BPSK	50	56	21.65	21.77	21.66	23.5	0.5	
20	PQ2 BPSK	100	0	21.63	21.79	21.63			
20	QPSK	1	1	22.48	22.51	22.47			
20	QPSK	1	53	22.46	22.48	22.41	24.0	0.0	
20	QPSK	1	104	22.43	22.46	22.42	23.0	1.0	
20	QPSK	50	0	21.29	21.31	21.28			
20	QPSK	50	28	22.00	22.31	22.22		24.0	
20	QPSK	50	56	21.22	21.32	21.24	23.0	1.0	
20	QPSK	100	0	21.25	21.36	21.28	23.0	1.0	
20	16QAM	1	1	21.41	21.51	21.45			
20	64QAM	1	1	19.63	19.60	19.52	21.5	2.5	
20	256QAM	1	1	17.59	17.59	17.58	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	844			
15	QPSK	1	1	22.38	22.44	22.37	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.46	22.48	22.43	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	22.47	22.48	22.41	24.0	0.0	

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				46000	46000		MPR (dB)
Frequency (MHz)				2310			
10	PQ2 BPSK	1	1	22.25			24.0
10	PQ2 BPSK	1	26	22.28			
10	PQ2 BPSK	1	50	22.28			24.0
10	PQ2 BPSK	25	0	22.28			
10	PQ2 BPSK	25	14	22.07			23.5
10	PQ2 BPSK	25	27	22.22			
10	PQ2 BPSK	50	0	22.24			24.0
10	QPSK	1	1	22.32			
10	QPSK	1	26	22.28			23.0
10	QPSK	1	50	22.31			
10	QPSK	25	0	21.25			24.0
10	QPSK	25	14	22.15			
10	QPSK	25	27	21.26			23.0
10	QPSK	50	0	21.27			
10	16QAM	1	1	21.47			23.0
10	64QAM	1	1	19.59			
10	256QAM	1	1	17.60			19.5
10	Channel			461500	460000	460500	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	22.22	22.22	22.23	24.0

n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				46000	46000		MPR (dB)
Frequency (MHz)				2310			
10	PQ2 BPSK	1	1	20.74			22.5
10	PQ2 BPSK	1	26	20.67			
10	PQ2 BPSK	1	50	20.69			22.0
10	PQ2 BPSK	25	0	20.76			
10	PQ2 BPSK	25	14	20.62			22.5
10	PQ2 BPSK	25	27	20.66			
10	PQ2 BPSK	50	0	20.66			22.0
10	QPSK	1	1	20.70			
10	QPSK	1	26	20.71			21.5
10	QPSK	1	50	20.73			
10	QPSK	25	0	20.63			22.5
10	QPSK	25	14	20.75			
10	QPSK	25	27	20.70			21.5
10	QPSK	50	0	20.71			
10	16QAM	1	1	20.63			21.5
10	64QAM	1	1	19.67			
10	256QAM	1	1	17.64			18.0
10	Channel			461500	460000	460500	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	20.63	20.64	20.64	22.5

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	346500	346500	MPR (dB)
Frequency (MHz)				1752.5	1745	1757.5	
45	PQ2 BPSK	1	1	22.12	22.08	22.05	24.0
45	PQ2 BPSK	1	122	22.25	22.25	22.23	
45	PQ2 BPSK	1	240	22.25	22.23	22.21	23.5
45	PQ2 BPSK	120	0	21.58	21.56	21.52	
45	PQ2 BPSK	120	60	22.09	22.20	22.06	24.0
45	PQ2 BPSK	120	122	21.50	21.63	21.52	
45	PQ2 BPSK	240	0	21.51	21.63	21.54	24.0
45	QPSK	1	1	22.30	22.34	22.32	
45	QPSK	1	122	22.13	22.17	22.10	23.0
45	QPSK	1	240	22.28	22.31	22.24	
45	QPSK	120	0	21.10	21.12	21.02	23.0
45	QPSK	120	60	22.18	22.21	22.16	
45	QPSK	120	122	21.09	21.18	21.12	23.0
45	QPSK	240	0	21.06	21.17	21.10	
45	16QAM	1	1	21.25	21.30	21.20	23.0
45	64QAM	1	1	19.52	19.53	19.51	
45	256QAM	1	1	17.62	17.67	17.62	19.5
45	Channel			346500	346500	346500	
Frequency (MHz)				1750	1745	1750	
40	QPSK	1	1	22.21	22.26	22.31	24.0
Channel				345500	346000	345000	
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.23	22.28	22.22	24.0
Channel				345000	346000	345000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.22	22.33	22.25	24.0
Channel				345500	346000	345000	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.20	22.25	22.24	24.0
Channel				344500	346000	345000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.23	22.32	22.23	24.0
Channel				345000	346000	345000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.23	22.29	22.31	24.0
Channel				345000	346000	345000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	22.28	22.25	22.27	24.0
Channel				345250	346000	345000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.22	22.26	22.26	24.0

n66_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1742.5	1745	1757.5			
Frequency (MHz)				22.25	22.38	22.30			
45	PV2 BPSK	1	1	22.34	22.47	22.35	24.0	0.0	
45	PV2 BPSK	1	122	22.27	22.30	22.37			
45	PV2 BPSK	1	240	21.67	21.78	21.61	23.5	0.5	
45	PV2 BPSK	120	0	22.29	22.28	22.27	24.0	0.0	
45	PV2 BPSK	120	60	21.66	21.76	21.67	23.5	0.5	
45	PV2 BPSK	120	122	21.73	21.74	21.71			
45	PV2 BPSK	240	0	22.41	22.42	22.43			
45	QPSK	1	1	22.29	22.38	22.35	24.0	0.0	
45	QPSK	1	240	22.38	22.40	22.39			
45	QPSK	120	0	21.26	21.30	21.21	23.0	1.0	
45	QPSK	120	60	22.30	22.30	22.28	24.0	0.0	
45	QPSK	120	122	21.25	21.31	21.25	23.0	1.0	
45	QPSK	240	0	21.46	21.52	21.49			
45	16QAM	1	1	21.44	21.51	21.47	23.0	1.0	
45	64QAM	1	1	19.69	19.72	19.71	21.5	2.5	
45	256QAM	1	1	17.65	17.66	17.56	19.5	4.5	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	22.34	22.47	22.35	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.40	22.42	22.45	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.34	22.51	22.41	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.34	22.50	22.40	24.0	0.0	
Channel				344000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.42	22.47	22.39	24.0	0.0	
Channel				343500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.34	22.47	22.41	24.0	0.0	
Channel				343000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.43	22.49	22.37	24.0	0.0	
Channel				342500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.34	22.44	22.37	24.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1742.5	1745	1757.5			
Frequency (MHz)				22.25	22.38	22.30			
45	PV2 BPSK	1	1	22.35	22.34	22.32	24.0	0.0	
45	PV2 BPSK	1	122	22.33	22.37	22.32			
45	PV2 BPSK	120	0	21.66	21.81	21.80	23.5	0.5	
45	PV2 BPSK	120	60	22.22	22.25	22.31	24.0	0.0	
45	PV2 BPSK	120	122	21.71	21.73	21.70	23.5	0.5	
45	PV2 BPSK	240	0	21.73	21.79	21.74			
45	QPSK	1	1	22.37	22.44	22.40			
45	QPSK	1	122	22.35	22.39	22.34	24.0	0.0	
45	QPSK	1	240	22.38	22.42	22.37			
45	QPSK	120	0	21.26	21.33	21.32	23.0	1.0	
45	QPSK	120	60	22.25	22.34	22.30	24.0	0.0	
45	QPSK	120	122	21.25	21.32	21.27	23.0	1.0	
45	QPSK	240	0	21.42	21.48	21.41			
45	16QAM	1	1	21.42	21.47	21.45	23.0	1.0	
45	64QAM	1	1	19.66	19.61	19.51	21.5	2.5	
45	256QAM	1	1	17.52	17.59	17.55	19.5	4.5	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	22.27	22.36	22.37	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	22.32	22.38	22.32	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.28	22.34	22.33	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.35	22.35	22.30	24.0	0.0	
Channel				344000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.27	22.35	22.35	24.0	0.0	
Channel				343500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.34	22.43	22.39	24.0	0.0	
Channel				343000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.39	22.38	24.0	0.0	
Channel				342500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.30	22.41	22.33	24.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1702.5					
Frequency (MHz)				22.62					
15	PV2 BPSK	1	1	22.59			24.0	0.0	
15	PV2 BPSK	1	40	22.59					
15	PV2 BPSK	1	77	22.17					
15	PV2 BPSK	36	0	22.14			23.5	0.5	
15	PV2 BPSK	36	22	22.61			24.0	0.0	
15	PV2 BPSK	36	43	21.85			23.5	0.5	
15	PV2 BPSK	75	0	22.07					
15	QPSK	1	1	22.68					
15	QPSK	1	40	22.66			24.0	0.0	
15	QPSK	1	77	22.27					
15	QPSK	36	0	21.74			23.0	1.0	
15	QPSK	36	22	22.64			24.0	0.0	
15	QPSK	36	43	21.42			23.0	1.0	
15	QPSK	75	0	21.58			23.0	1.0	
15	16QAM	1	1	21.58					
15	64QAM	1	1	19.97			21.5	2.5	
15	256QAM	1	1	18.03			19.5	4.5	
Channel				345000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.95	22.97	22.87	24.0	0.0	
Channel				335000	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.88	22.90	22.85	24.0	0.0	

n70_Ant 9								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	23.13			24.0	0.0
15	PV2 BPSK	1	40	23.10				
15	PV2 BPSK	1	77	22.48				
15	PV2 BPSK	36	0	22.32			23.5	0.5
15	PV2 BPSK	36	22	22.74			24.0	0.0
15	PV2 BPSK	36	43	22.12			23.5	0.5
15	PV2 BPSK	75	0	22.29				
15	QPSK	1	1	23.15				
15	QPSK	1	40	23.13			24.0	0.0
15	QPSK	1	77	22.46			23.0	1.0
15	QPSK	36	0	21.92				
15	QPSK	36	22	22.94				
15	QPSK	36	43	21.83			23.0	1.0
15	QPSK	75	0	21.82				
15	16QAM	1	1	22.15				
15	64QAM	1	1	20.22			21.5	2.5
15	256QAM	1	1	18.26			19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.08	23.09	22.94	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.03	23.05	22.90	24.0	0.0

n70_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	22.88			24.0	0.0
15	PV2 BPSK	1	40	22.90				
15	PV2 BPSK	1	77	22.24				
15	PV2 BPSK	36	0	22.30			23.5	0.5
15	PV2 BPSK	36	22	22.57			24.0	0.0
15	PV2 BPSK	36	43	21.88			23.5	0.5
15	PV2 BPSK	75	0	22.12				
15	QPSK	1	1	22.98				
15	QPSK	1	40	22.92			24.0	0.0
15	QPSK	1	77	22.32			23.0	1.0
15	QPSK	36	0	21.81				
15	QPSK	36	22	22.67				
15	QPSK	36	43	21.49			23.0	1.0
15	QPSK	75	0	21.71				
15	16QAM	1	1	22.02				
15	64QAM	1	1	20.06			21.5	2.5
15	256QAM	1	1	18.16			19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.86	22.85	22.74	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.85	22.91	22.82	24.0	0.0

n71_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1360.5				
Frequency (MHz)				1360.5				
35	PV2 BPSK	1	1	22.27			24.0	0.0
35	PV2 BPSK	1	80	22.24				
35	PV2 BPSK	1	168	22.25				
35	PV2 BPSK	90	0	21.67			23.5	0.5
35	PV2 BPSK	90	45	22.12			24.0	0.0
35	PV2 BPSK	90	90	21.56			23.5	0.5
35	PV2 BPSK	180	0	21.51				
35	QPSK	1	1	22.32				
35	QPSK	1	80	22.28			24.0	0.0
35	QPSK	1	168	22.31			23.0	1.0
35	QPSK	90	0	21.23				
35	QPSK	90	45	22.21				
35	QPSK	90	90	21.11			23.0	1.0
35	QPSK	180	0	21.06				
35	16QAM	1	1	21.56				
35	64QAM	1	1	19.70			21.5	2.5
35	256QAM	1	1	17.67			19.5	4.5
Channel				135800	136100	136500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	22.22	22.30	22.17	24.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	685.5		
25	QPSK	1	1	22.27	22.22	22.21	24.0	0.0
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	22.26	22.23	22.22	24.0	0.0
Channel				133100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.15	22.23	22.08	24.0	0.0
Channel				133000	136100	136900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	683		
10	QPSK	1	1	22.07	22.20	22.06	24.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				685.5	680.5	685.5		
5	QPSK	1	1	22.13	22.15	22.09	24.0	0.0

n71_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq 150 100	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					680.5				
Frequency (MHz)					22.28				
35	PI2 BPSK	1	1		22.28		24.0	0.0	
35	PI2 BPSK	1	90		22.28				
35	PI2 BPSK	1	186		22.26				
35	PI2 BPSK	90	0		21.73		23.5	0.5	
35	PI2 BPSK	90	45		22.18		24.0	0.0	
35	PI2 BPSK	90	90		21.70		23.5	0.5	
35	PI2 BPSK	180	0		21.77				
35	QPSK	1	1		22.33				
35	QPSK	1	90		22.30		24.0	0.0	
35	QPSK	1	186		22.28				
35	QPSK	90	0		21.30		23.0	1.0	
35	QPSK	90	45		22.28		24.0	0.0	
35	QPSK	90	90		21.29		23.0	1.0	
35	QPSK	180	0		21.40				
35	16QAM	1	1		21.48		23.0	1.0	
35	64QAM	1	1		19.68		21.5	2.5	
35	256QAM	1	1		17.62		19.5	4.5	
Channel				135600	136 100	136600	Tune-up limit	MPR	
Frequency (MHz)				678	680.5	683	68m		
30	QPSK	1	1	22.18	22.32	22.22	24.0	0.0	
Channel				136 100	136 100	137 100	Tune-up limit	MPR	
Frequency (MHz)				675.5	680.5	685.5	68m		
25	QPSK	1	1	22.28	22.23	22.19	24.0	0.0	
Channel				136600	136 100	137600	Tune-up limit	MPR	
Frequency (MHz)				673	680.5	688	68m		
20	QPSK	1	1	22.25	22.28	22.23	24.0	0.0	
Channel				133 100	133 100	133 100	Tune-up limit	MPR	
Frequency (MHz)				670.5	680.5	680.5	68m		
15	QPSK	1	1	22.20	22.22	22.22	24.0	0.0	
Channel				133600	136 100	136600	Tune-up limit	MPR	
Frequency (MHz)				668	680.5	688	68m		
10	QPSK	1	1	22.28	22.18	22.32	24.0	0.0	
Channel				133 100	136 100	138 100	Tune-up limit	MPR	
Frequency (MHz)				665.5	680.5	695.5	68m		
5	QPSK	1	1	22.23	22.21	22.30	24.0	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	519996			
				2580.02	2584	2589.98			
40	Pl/2 BPSK	1	1	22.13	22.14	22.13			
40	Pl/2 BPSK	1	53	22.38	22.37	22.32	24.0		0.0
40	Pl/2 BPSK	1	104	22.26	22.38	22.34			
40	Pl/2 BPSK	50	0	21.75	21.85	21.74	23.5		0.5
40	Pl/2 BPSK	50	28	22.27	22.30	22.36	24.0		0.0
40	Pl/2 BPSK	50	56	21.89	21.94	21.84	23.5		0.5
40	Pl/2 BPSK	100	0	21.80	21.90	21.80			
40	QPSK	1	1	22.41	22.45	22.38			
40	QPSK	1	53	22.14	22.19	22.18	24.0		0.0
40	QPSK	1	104	22.36	22.40	22.36			
40	QPSK	50	0	21.34	21.37	21.33	24.0		0.0
40	QPSK	50	28	22.31	22.40	22.38			
40	QPSK	50	56	21.44	21.46	21.39			
40	QPSK	100	0	21.34	21.42	21.33	23.0		1.0
40	16QAM	1	1	21.41	21.51	21.45	23.0		1.0
40	64QAM	1	1	19.65	19.67	19.64	21.5		2.5
40	256QAM	1	1	17.66	17.65	17.62	19.5		4.5
Channel									
Frequency (MHz)				518002	519000	520998			
				2585.01	2595	2604.99			
30	QPSK	1	1	22.05	22.11	22.14	24.0		0.0
Channel									
Frequency (MHz)				518504	519000	521498			
				2582.52	2595	2607.48			
25	QPSK	1	1	22.07	22.14	22.14	24.0		0.0
Channel									
Frequency (MHz)				518000	519000	522000			
				2580	2595	2610			
20	QPSK	1	1	22.12	22.18	22.09	24.0		0.0
Channel									
Frequency (MHz)				515502	519000	522498			
				2575.51	2595	2612.49			
15	QPSK	1	1	22.13	22.11	22.10	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	22.05	22.14	22.10	24.0		0.0

n38_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2580.02	2595	2599.98			
40	P2 BPSK	1	1	22.24	22.24	22.17			
40	P2 BPSK	1	53	22.34	22.36	22.26	24.0	0.0	
40	P2 BPSK	1	104	22.37	22.44	22.38			
40	P2 BPSK	50	0	21.88	21.86	21.80	23.5	0.5	
40	P2 BPSK	50	28	22.34	22.41	22.34	24.0	0.0	
40	P2 BPSK	50	56	21.92	21.97	21.85	23.5	0.5	
40	P2 BPSK	100	0	21.84	21.90	21.83			
40	QPSK	1	1	22.38	22.48	22.47			
40	QPSK	1	53	22.35	22.45	22.35	24.0	0.0	
40	QPSK	1	104	22.27	22.30	22.20			
40	QPSK	50	0	21.40	21.42	21.39	24.0	0.0	
40	QPSK	50	28	22.40	22.44	22.43			
40	QPSK	50	56	21.44	21.49	21.43			
40	QPSK	100	0	21.41	21.45	21.44	23.0	1.0	
40	16QAM	1	1	21.50	21.55	21.51	23.0	1.0	
40	64QAM	1	1	19.64	19.73	19.71	21.5	2.5	
40	256QAM	1	1	17.65	17.72	17.84	19.5	4.5	
Channel									
Frequency (MHz)				518002	519000	519998			
				2585.01	2595	2604.99			
30	QPSK	1	1	22.30	22.41	22.39	24.0	0.0	
Channel									
Frequency (MHz)				518504	519000	521498			
				2582.52	2595	2607.48			
25	QPSK	1	1	22.36	22.40	22.37	24.0	0.0	
Channel									
Frequency (MHz)				518000	519000	522000			
				2580	2595	2610			
20	QPSK	1	1	22.32	22.40	22.44	24.0	0.0	
Channel									
Frequency (MHz)				515502	519000	522498			
				2575.51	2595	2612.49			
15	QPSK	1	1	22.37	22.45	22.41	24.0	0.0	
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	22.36	22.38	22.43	24.0	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lower Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2580.02	2595	2599.98			
40	Pl/2 BPSK	1	1	22.24	22.24	22.32			
40	Pl/2 BPSK	1	53	22.09	22.11	22.07	24.0		0.0
40	Pl/2 BPSK	1	104	22.08	22.04	22.03			
40	Pl/2 BPSK	50	0	21.69	21.73	21.67	23.5		0.5
40	Pl/2 BPSK	50	28	22.07	22.02	22.08	24.0		0.0
40	Pl/2 BPSK	50	56	21.54	21.56	21.55	23.5		0.5
40	Pl/2 BPSK	100	0	21.65	21.67	21.65			
40	QPSK	1	1	22.42	22.43	22.41			
40	QPSK	1	53	22.17	22.18	22.11	24.0		0.0
40	QPSK	1	104	22.09	22.05	22.08			
40	QPSK	50	0	21.22	21.27	21.25	24.0		0.0
40	QPSK	50	28	22.16	22.10	22.11			
40	QPSK	50	56	21.06	21.11	21.04			
40	QPSK	100	0	21.20	21.21	21.20	23.0		1.0
40	16QAM	1	1	21.44	21.45	21.39	23.0		1.0
40	64QAM	1	1	19.58	19.65	19.60	21.5		2.5
40	256QAM	1	1	17.53	17.61	17.56	19.5		4.5
Channel									
Frequency (MHz)				517002	519000	520998			
				2585.01	2595	2604.99			
30	QPSK	1	1	22.40	22.37	22.36	24.0		0.0
Channel									
Frequency (MHz)				518504	519000	521498			
				2582.52	2595	2607.48			
25	QPSK	1	1	22.37	22.40	22.33	24.0		0.0
Channel									
Frequency (MHz)				518000	519000	522000			
				2580	2595	2610			
20	QPSK	1	1	22.39	22.40	22.37	24.0		0.0
Channel									
Frequency (MHz)				515502	519000	522498			
				2575.51	2595	2612.49			
15	QPSK	1	1	22.35	22.42	22.33	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	22.40	22.39	22.35	24.0		0.0

n38_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lower Ch. / Freq.	Power Center Ch. / Freq.	Power Higher Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P22 BPSK	1	1	516004	516000	516098			
2293.42									
40	P22 BPSK	1	1	22.31	22.28	22.24			
40	P22 BPSK	1	53	22.09	22.10	22.11	24.0		0.0
40	P22 BPSK	1	104	22.05	22.03	22.01			
40	P22 BPSK	50	0	21.70	21.72	21.60	23.5		0.5
40	P22 BPSK	50	28	22.04	22.03	22.06	24.0		0.0
40	P22 BPSK	50	56	21.53	21.58	21.54	23.5		0.5
40	P22 BPSK	100	0	21.56	21.65	21.54			
40	QPSK	1	1	22.35	22.38	22.25			
40	QPSK	1	53	22.16	22.20	22.16	24.0		0.0
40	QPSK	1	104	22.06	22.13	22.08			
40	QPSK	50	0	21.22	21.26	21.19			
40	QPSK	50	28	22.10	22.12	22.10	24.0		0.0
40	QPSK	50	56	21.08	21.14	21.04			
40	QPSK	100	0	21.17	21.21	21.11	23.0		1.0
40	16QAM	1	1	21.34	21.43	21.40	23.0		1.0
40	64QAM	1	1	19.60	19.63	19.59	21.5		2.5
40	256QAM	1	1	17.55	17.60	17.54	19.5		4.5
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.33	22.30	22.24	24.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.20	22.23	22.16	24.0		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.29	22.25	22.23	24.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.30	22.28	22.26	24.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.21	22.29	22.25	24.0		0.0

FCC_n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1	22.43	22.52	22.41			
100	P22 BPSK	1	137	22.32	22.42	22.39	24.0		0.0
100	P22 BPSK	1	271	22.56	22.66	22.62			
100	P22 BPSK	135	0	21.87	21.88	21.84	23.5		0.5
100	P22 BPSK	135	69	22.25	22.33	22.37	24.0		0.0
100	P22 BPSK	135	138	21.80	21.85	21.84	23.5		0.5
100	P22 BPSK	270	0	21.92	21.96	21.91			
100	QPSK	1	1	22.54	22.68	22.57			
100	QPSK	1	137	22.36	22.44	22.39	24.0		0.0
100	QPSK	1	271	22.52	22.51	22.50			
100	QPSK	135	0	21.39	21.44	21.37			
100	QPSK	135	69	22.40	22.47	22.43	24.0		0.0
100	QPSK	135	138	21.41	21.45	21.32	23.0		1.0
100	QPSK	270	0	21.41	21.45	21.32	23.0		1.0
100	16QAM	1	1	21.48	21.60	21.50	23.0		1.0
100	64QAM	1	1	19.78	19.75	19.73	21.5		2.5
100	256QAM	1	1	17.80	17.83	17.75	19.5		4.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.58	22.62	22.64	24.0		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.60	22.67	22.61	24.0		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.59	22.67	22.61	24.0		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.54	22.61	22.63	24.0		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.62	22.61	22.57	24.0		0.0
Channel									
Frequency (MHz)									
45	QPSK	1	1	22.59	22.63	22.57	24.0		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.63	22.64	22.63	24.0		0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.59	22.60	22.58	24.0		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.60	22.64	22.64	24.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.56	22.62	22.61	24.0		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.61	22.58	22.59	24.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.63	22.63	22.65	24.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.60	22.58	22.61	24.0		0.0

FCC_n41(HPUe)_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2 BPSK	1	1	25.47	25.53	25.50			
100	P2 BPSK	1	137	25.39	25.43	25.41	27.0	0.0	
100	P2 BPSK	1	271	25.65	25.72	25.65			
100	P2 BPSK	135	0	24.91	24.95	24.87	26.5	0.5	
100	P2 BPSK	135	69	25.33	25.43	25.40	27.0	0.0	
100	P2 BPSK	135	138	24.90	24.92	24.90	26.5	0.5	
100	P2 BPSK	270	0	24.98	25.00	24.95			
100	QPSK	1	1	25.35	25.78	25.74			
100	QPSK	1	137	25.40	25.48	25.44	27.0	0.0	
100	QPSK	1	271	25.57	25.58	25.55			
100	QPSK	135	0	24.47	24.48	24.42			
100	QPSK	135	69	25.45	25.52	25.45	27.0	0.0	
100	QPSK	135	138	24.44	24.46	24.36			
100	QPSK	270	0	24.43	24.51	24.41	26.0	1.0	
100	16QAM	1	1	24.55	24.62	24.60	26.0	1.0	
100	64QAM	1	1	22.80	22.82	22.77	24.5	2.5	
100	256QAM	1	1	20.81	20.86	20.76	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.41	25.62	25.64	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.63	25.74	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.67	25.76	25.70	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.65	25.76	25.64	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.68	25.77	25.68	27.0	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	25.66	25.71	25.70	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.61	25.74	25.64	27.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	25.59	25.68	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.51	25.62	25.62	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.62	25.71	25.71	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.702	25.698	25.690	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.681	25.699	25.695	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.63	25.73	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	25.603	25.699	25.628	27.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	25.60	25.71	25.67	27.0	0.0	
Channel									
Frequency (MHz)									
-5	QPSK	1	1	25.602	25.696	25.700	27.0	0.0	
Channel									
Frequency (MHz)									
-10	QPSK	1	1	25.64	25.68	25.72	27.0	0.0	

FCC_n41_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1	2566.01	2562.99	2560.00				
100	Pl2 BPSK	1	137	22.49	22.57	22.43	24.0	0.0		
100	Pl2 BPSK	1	271	22.40	22.37	22.38				
100	Pl2 BPSK	135	0	21.55	21.58	21.54	23.5	0.5		
100	Pl2 BPSK	135	69	22.40	22.50	22.49	24.0	0.0		
100	Pl2 BPSK	135	138	21.51	21.53	21.52	23.5	0.5		
100	Pl2 BPSK	270	0	21.52	21.55	21.50				
100	QPSK	1	1	22.58	22.67	22.59				
100	QPSK	1	137	22.49	22.53	22.50	24.0	0.0		
100	QPSK	1	271	22.44	22.44	22.38				
100	QPSK	135	0	21.57	21.57	21.57	24.0	0.0		
100	QPSK	135	69	22.49	22.54	22.49				
100	QPSK	135	138	21.35	21.44	21.29				
100	QPSK	270	0	21.52	21.63	21.54	23.0	1.0		
100	16QAM	1	1	21.60	21.65	21.52	23.0	1.0		
100	64QAM	1	1	19.81	19.87	19.84	21.5	2.5		
100	256QAM	1	1	17.83	17.94	17.79	19.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.54	22.59	22.57	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.49	22.66	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.58	22.64	22.49	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.49	22.63	22.56	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.53	22.60	22.50	24.0	0.0		
Channel										
Frequency (MHz)										
45	QPSK	1	1	22.56	22.59	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.54	22.61	22.54	24.0	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	22.49	22.68	22.50	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.50	22.66	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.53	22.57	22.51	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.49	22.61	22.53	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.51	22.68	22.58	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.54	22.60	22.54	24.0	0.0		

FCC_n41(HPUe)_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2560.01	2562.59	2560.00			
100	Pl2 BPSK	1	1	25.73	25.74	25.72			
100	Pl2 BPSK	1	137	25.79	25.80	25.71	27.0	0.0	
100	Pl2 BPSK	1	271	25.66	25.67	25.62			
100	Pl2 BPSK	135	0	24.71	24.76	24.75	26.5	0.5	
100	Pl2 BPSK	135	69	25.68	25.75	25.72	27.0	0.0	
100	Pl2 BPSK	135	138	24.52	24.58	24.55	26.5	0.5	
100	Pl2 BPSK	270	0	24.73	24.83	24.73			
100	QPSK	1	1	25.70	25.88	25.63			
100	QPSK	1	137	25.77	25.81	25.71	27.0	0.0	
100	QPSK	1	271	25.66	25.68	25.65			
100	QPSK	135	0	24.80	24.85	24.80	27.0	0.0	
100	QPSK	135	69	25.73	25.83	25.77	27.0	0.0	
100	QPSK	135	138	24.62	24.65	24.57			
100	QPSK	270	0	24.76	24.85	24.79	26.0	1.0	
100	16QAM	1	1	24.81	24.91	24.82	26.0	1.0	
100	64QAM	1	1	23.02	23.10	23.05	24.5	2.5	
100	256QAM	1	1	21.10	21.16	21.07	22.5	4.5	
Channel									
Frequency (MHz)				2562.00	2565.00	2564.98			
90	QPSK	1	1	25.74	25.82	25.81	27.0	0.0	
Channel				2572.04	2585.06	2589.89	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.00	2592.00	2591.98			
80	QPSK	1	1	25.70	25.85	25.81	27.0	0.0	
Channel									
Frequency (MHz)				2592.00	2598.00	2597.98			
70	QPSK	1	1	25.73	25.80	25.75	27.0	0.0	
Channel									
Frequency (MHz)				2602.00	2608.00	2607.98			
60	QPSK	1	1	25.76	25.85	25.79	27.0	0.0	
Channel									
Frequency (MHz)				2602.00	2608.00	2607.98			
50	QPSK	1	1	25.69	25.84	25.81	27.0	0.0	
Channel									
Frequency (MHz)				2607.00	2613.00	2612.98			
45	QPSK	1	1	25.77	25.84	25.78	27.0	0.0	
Channel									
Frequency (MHz)				2616.01	2622.00	2615.99			
40	QPSK	1	1	25.72	25.80	25.79	27.0	0.0	
Channel									
Frequency (MHz)				2622.01	2630.00	2629.98			
35	QPSK	1	1	25.71	25.83	25.76	27.0	0.0	
Channel									
Frequency (MHz)				2622.00	2630.00	2629.98			
30	QPSK	1	1	25.78	25.81	25.79	27.0	0.0	
Channel									
Frequency (MHz)				2631.02	2639.00	2638.98			
25	QPSK	1	1	25.70	25.82	25.74	27.0	0.0	
Channel									
Frequency (MHz)				2631.04	2639.00	2638.98			
20	QPSK	1	1	25.74	25.79	25.73	27.0	0.0	
Channel									
Frequency (MHz)				2637.00	2645.00	2644.98			
15	QPSK	1	1	25.71	25.81	25.78	27.0	0.0	
Channel									
Frequency (MHz)				2640.02	2648.00	2647.99			
10	QPSK	1	1	25.70	25.83	25.74	27.0	0.0	

FCC_n41_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1	22.68	22.72	22.68				
100	Pl2 BPSK	1	137	22.40	22.43	22.31	24.0	0.0		
100	Pl2 BPSK	1	271	22.11	22.08	22.06				
102	Pl2 BPSK	135	0	21.69	21.69	21.68	23.5	0.0		
102	Pl2 BPSK	135	69	22.29	22.40	22.41	24.0	0.0		
102	Pl2 BPSK	135	138	21.62	21.69	21.63	23.5	0.5		
102	Pl2 BPSK	270	0	21.38	21.40	21.35				
100	QPSK	1	1	22.73	22.78	22.71				
100	QPSK	1	137	22.44	22.46	22.43	24.0	0.0		
100	QPSK	1	271	22.15	22.13	22.11				
100	QPSK	135	0	21.67	21.76	21.83				
100	QPSK	135	69	22.42	22.48	22.42	24.0	0.0		
100	QPSK	135	138	21.62	21.61	21.36				
100	QPSK	270	0	21.62	21.64	21.44	23.0	1.0		
100	16QAM	1	1	21.66	21.72	21.70	23.0	1.0		
100	64QAM	1	1	19.93	19.96	19.98	21.5	2.5		
100	256QAM	1	1	17.68	18.01	17.08	19.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.70	22.76	22.61	24.0	0.0		
Channel										
80	QPSK	1	1	22.69	22.72	22.66	24.0	0.0		
Channel										
80	QPSK	1	1	22.69	22.72	22.66	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.67	22.70	22.65	24.0	0.0		
Channel										
70	QPSK	1	1	22.67	22.70	22.65	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.68	22.69	22.70	24.0	0.0		
Channel										
60	QPSK	1	1	22.68	22.69	22.70	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.72	22.75	22.65	24.0	0.0		
Channel										
50	QPSK	1	1	22.72	22.75	22.65	24.0	0.0		
Channel										
Frequency (MHz)										
45	QPSK	1	1	22.65	22.72	22.62	24.0	0.0		
Channel										
45	QPSK	1	1	22.65	22.72	22.62	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.72	22.72	22.66	24.0	0.0		
Channel										
40	QPSK	1	1	22.72	22.72	22.66	24.0	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	22.69	22.75	22.62	24.0	0.0		
Channel										
35	QPSK	1	1	22.69	22.75	22.62	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.65	22.69	22.68	24.0	0.0		
Channel										
30	QPSK	1	1	22.65	22.69	22.68	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.71	22.74	22.70	24.0	0.0		
Channel										
25	QPSK	1	1	22.71	22.74	22.70	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.66	22.72	22.63	24.0	0.0		
Channel										
20	QPSK	1	1	22.66	22.72	22.63	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.68	22.73	22.67	24.0	0.0		
Channel										
15	QPSK	1	1	22.68	22.73	22.67	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.72	22.76	22.62	24.0	0.0		

FCC_n41(HPUE)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				5060.02	5185.98	5269.99			
				2546.01	2592.99	2546			
100	P1/2 BPSK	1	1	25.74	25.82	25.74			
100	P1/2 BPSK	1	137	25.41	25.44	25.40	27.0	0.0	
100	P1/2 BPSK	1	271	25.16	25.17	25.08			
100	P1/2 BPSK	135	0	24.74	24.75	24.74	26.5	0.5	
100	P1/2 BPSK	135	69	25.37	25.44	25.42	27.0	0.0	
100	P1/2 BPSK	135	138	24.07	24.17	24.08	26.5	0.5	
100	P1/2 BPSK	270	0	24.44	24.47	24.42			
100	QPSK	1	1	25.75	25.87	25.75			
100	QPSK	1	137	25.47	25.49	25.48	27.0	0.0	
100	QPSK	1	271	25.17	25.26	25.16			
100	QPSK	135	0	24.77	24.85	24.84	27.0	0.0	
100	QPSK	135	69	25.51	25.52	25.17			
100	QPSK	135	138	24.23	24.27	24.18			
100	QPSK	270	0	24.53	24.54	24.52	26.0	1.0	
100	16QAM	1	1	24.73	24.81	24.79	26.0	1.0	
100	64QAM	1	1	23.00	23.05	23.03	24.5	2.5	
100	256QAM	1	1	21.00	21.08	21.02	22.5	4.5	
Channel									
Frequency (MHz)				5041	5186.00	5269.98	Tune-up limit (dBm)	MPR	
				2541	2592.99	2544.88			
80	QPSK	1	1	25.72	25.80	25.70	27.0	0.0	
Channel									
Frequency (MHz)				5072.04	5185.98	5299.98	Tune-up limit (dBm)	MPR	
				2536.02	2592.99	2549.99			
80	QPSK	1	1	25.73	25.78	25.75	27.0	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2555	Tune-up limit (dBm)	MPR	
				25.71	25.86	25.75	27.0	0.0	
70	QPSK	1	1	25.71	25.86	25.75	27.0	0.0	
Channel									
Frequency (MHz)				5050.00	5185.98	5319.96	Tune-up limit (dBm)	MPR	
				2532.02	2592.99	2559.98			
60	QPSK	1	1	25.68	25.79	25.75	27.0	0.0	
Channel									
Frequency (MHz)				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR	
				2521.02	2592.99	2564.99			
50	QPSK	1	1	25.69	25.83	25.71	27.0	0.0	
Channel									
Frequency (MHz)				5037.00	5185.98	5334.96	Tune-up limit (dBm)	MPR	
				2518.5	2592.99	2567.48			
45	QPSK	1	1	25.73	25.85	25.78	27.0	0.0	
Channel									
Frequency (MHz)				5050.02	5185.98	5340.00	Tune-up limit (dBm)	MPR	
				2516.01	2592.99	2570			
40	QPSK	1	1	25.74	25.85	25.74	27.0	0.0	
Channel									
Frequency (MHz)				5027.04	5185.98	5344.98	Tune-up limit (dBm)	MPR	
				2513.52	2592.99	2572.49			
35	QPSK	1	1	25.77	25.78	25.74	27.0	0.0	
Channel									
Frequency (MHz)				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MPR	
				2511	2592.99	2574.98			
30	QPSK	1	1	25.70	25.75	25.74	27.0	0.0	
Channel									
Frequency (MHz)				5017.02	5185.98	5355.00	Tune-up limit (dBm)	MPR	
				2508.51	2592.99	2577.5			
25	QPSK	1	1	25.77	25.83	25.73	27.0	0.0	
Channel									
Frequency (MHz)				5012.04	5185.98	5359.98	Tune-up limit (dBm)	MPR	
				2508.49	2592.99	2578.99			
20	QPSK	1	1	25.76	25.82	25.77	27.0	0.0	
Channel									
Frequency (MHz)				5007.00	5185.98	5364.96	Tune-up limit (dBm)	MPR	
				2503.5	2592.99	2562.48			
15	QPSK	1	1	25.77	25.77	25.70	27.0	0.0	
Channel									
Frequency (MHz)				5002.02	5185.98	5370.00	Tune-up limit (dBm)	MPR	
				2501.01	2592.99	2565			
10	QPSK	1	1	25.69	25.82	25.69	27.0	0.0	

FCC_n41_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)				50602.0	51859.8	52690.0			
				2545.01	2592.99	2545			
100	P1/2 BPSK	1	1	22.49	22.65	22.53			
100	P1/2 BPSK	1	137	22.42	22.52	22.43	24.0	0.0	
100	P1/2 BPSK	1	271	22.44	22.48	22.42			
100	P1/2 BPSK	135	0	21.71	21.70	21.58	23.5	0.5	
100	P1/2 BPSK	135	69	22.38	22.45	22.50	24.0	0.0	
100	P1/2 BPSK	135	138	21.29	21.36	21.35	23.5	0.5	
100	P1/2 BPSK	270	0	21.41	21.51	21.48			
100	QPSK	1	1	22.58	22.71	22.61			
100	QPSK	1	137	22.50	22.58	22.48	24.0	0.0	
100	QPSK	1	271	22.47	22.57	22.52			
100	QPSK	135	0	21.70	21.73	21.67	24.0	0.0	
100	QPSK	135	69	22.50	22.52	22.49			
100	QPSK	135	138	21.25	21.30	21.39			
100	QPSK	270	0	21.53	21.54	21.44	23.0	1.0	
100	16QAM	1	1	21.58	21.62	21.60	23.0	1.0	
100	64QAM	1	1	19.84	19.86	19.79	21.5	2.5	
100	256QAM	1	1	17.79	17.85	17.87	19.5	4.5	
Channel									
Frequency (MHz)				5061	5185.98	5269.98	Tune-up limit (dBm)	MPR	
				2541	2592.99	2544.88			
90	QPSK	1	1	22.56	22.62	22.60	24.0	0.0	
Channel									
Frequency (MHz)				5072.04	5185.98	5299.98	Tune-up limit (dBm)	MPR	
				2536.02	2592.99	2549.99			
80	QPSK	1	1	22.48	22.70	22.52	24.0	0.0	
Channel									
Frequency (MHz)				5031.01	2592.99	2555	Tune-up limit (dBm)	MPR	
				22.56	22.68	22.55	24.0	0.0	
70	QPSK	1	1	22.56	22.68	22.55	24.0	0.0	
Channel									
Frequency (MHz)				5050.00	5185.98	5319.96	Tune-up limit (dBm)	MPR	
				2532.02	2592.99	2559.98			
60	QPSK	1	1	22.50	22.69	22.57	24.0	0.0	
Channel									
Frequency (MHz)				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR	
				2521.02	2592.99	2564.99			
50	QPSK	1	1	22.40	22.63	22.59	24.0	0.0	
Channel									
Frequency (MHz)				5037.00	5185.98	5334.96	Tune-up limit (dBm)	MPR	
				2518.5	2592.99	2561.88			
45	QPSK	1	1	22.45	22.61	22.55	24.0	0.0	
Channel									
Frequency (MHz)				5030.22	5185.98	5340.00	Tune-up limit (dBm)	MPR	
				2516.01	2592.99	2570			
40	QPSK	1	1	22.50	22.61	22.59	24.0	0.0	
Channel									
Frequency (MHz)				5031.52	5185.98	5341.50	Tune-up limit (dBm)	MPR	
				2513.52	2592.99	2572.45			
35	QPSK	1	1	22.53	22.70	22.55	24.0	0.0	
Channel									
Frequency (MHz)				5022.00	5185.98	5345.96	Tune-up limit (dBm)	MPR	
				2502.00	2592.99	2574.88			
30	QPSK	1	1	22.55	22.81	22.52	24.0	0.0	
Channel									
Frequency (MHz)				5017.02	5185.98	5350.00	Tune-up limit (dBm)	MPR	
				2508.51	2592.99	2577.5			
25	QPSK	1	1	22.63	22.87	22.50	24.0	0.0	
Channel									
Frequency (MHz)				5012.04	5185.98	5355.96	Tune-up limit (dBm)	MPR	
				2506.02	2592.99	2578.99			
20	QPSK	1	1	22.50	22.82	22.59	24.0	0.0	
Channel									
Frequency (MHz)				5007.00	5185.98	5359.98	Tune-up limit (dBm)	MPR	
				2501.5	2592.99	2582.48			
15	QPSK	1	1	22.62	22.85	22.58	24.0	0.0	
Channel									
Frequency (MHz)				5002.02	5185.98	5370.00	Tune-up limit (dBm)	MPR	
				2498.01	2592.99	2587.5			
10	QPSK	1	1	22.52	22.87	22.57	24.0	0.0	
Channel									

n48_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											
Frequency (MHz)											
40	PI2 BPSK	1	1	22.33	22.38	22.40	24.0	0.0			
40	PI2 BPSK	1	53	22.25	22.26	22.29					
40	PI2 BPSK	1	104	22.20	22.23	22.14					
40	PI2 BPSK	50	0	21.84	21.59	21.54	23.5	0.5			
40	PI2 BPSK	50	28	22.21	22.12	22.12	24.0	0.0			
40	PI2 BPSK	50	56	21.83	21.66	21.65	23.5	0.5			
40	PI2 BPSK	100	0	21.86	21.60	21.56					
40	QPSK	1	1	22.45	22.45	22.33					
40	QPSK	1	53	22.34	22.33	22.35	24.0	0.0			
40	QPSK	1	104	22.24	22.25	22.24	24.0	0.0			
40	QPSK	50	0	21.22	21.16	21.13					
40	QPSK	50	28	21.18	22.10	22.10					
40	QPSK	50	56	21.23	21.14	21.10	23.0	1.0			
40	QPSK	100	0	21.18	21.19	21.14					
40	16QAM	1	1	21.16	21.12	21.14	23.0	1.0			
40	64QAM	1	1	19.63	19.59	19.60	21.5	2.5			
40	256QAM	1	1	17.72	17.73	17.75	19.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.27	22.39	22.29	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.32	22.38	22.41	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.29	22.44	22.28	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.31	22.42	22.33	24.0	0.0			

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	53	22.44	22.50	22.44	24.0	0.0	
40	PI2 BPSK	1	104	22.28	22.47	22.21			
40	PI2 BPSK	1	0	21.76	21.75	21.73			
40	PI2 BPSK	50	28	22.22	22.21	22.18	23.5	0.5	
40	PI2 BPSK	50	56	21.63	21.68	21.62	24.0	0.0	
40	PI2 BPSK	100	0	21.67	21.75	21.72	23.5	0.5	
40	QPSK	1	1	22.40	22.51	22.38	24.0	0.0	
40	QPSK	1	53	22.30	22.36	22.27			
40	QPSK	1	104	22.24	22.30	22.27			
40	QPSK	50	0	21.11	21.19	21.15	24.0	0.0	
40	QPSK	50	28	21.13	22.15	22.10			
40	QPSK	50	56	21.05	21.11	21.10			
40	QPSK	100	0	21.11	21.18	21.12	23.0	1.0	
40	16QAM	1	1	21.21	21.20	21.10	23.0	1.0	
40	64QAM	1	1	19.54	19.53	19.50	21.5	2.5	
40	256QAM	1	1	17.56	17.55	17.60	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.36	22.37	22.42	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.33	22.38	22.34	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.34	22.46	22.45	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.43	22.38	22.41	24.0	0.0	

n48_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)									
40	PI2 BPSK	1	1	22.65	22.77	22.72	24.0	0.0	
40	PI2 BPSK	1	53	22.47	22.50	22.55			
40	PI2 BPSK	1	104	22.47	22.87	22.56			
40	PI2 BPSK	50	0	21.87	22.06	22.00	23.5	0.5	
40	PI2 BPSK	50	28	22.36	22.59	22.44	24.0	0.0	
40	PI2 BPSK	50	56	21.89	22.11	22.04	23.5	0.5	
40	PI2 BPSK	100	0	21.97	22.16	22.04			
40	QPSK	1	1	22.71	22.83	22.76			
40	QPSK	1	53	22.52	22.80	22.64	24.0	0.0	
40	QPSK	1	104	22.53	22.79	22.63			
40	QPSK	50	0	21.34	21.56	21.48			
40	QPSK	50	28	21.33	22.55	22.41	24.0	0.0	
40	QPSK	50	56	21.34	21.82	21.49			
40	QPSK	100	0	21.39	21.63	21.48	23.0	1.0	
40	16QAM	1	1	21.40	21.65	21.55	23.0	1.0	
40	64QAM	1	1	19.64	19.80	19.67	21.5	2.5	
40	256QAM	1	1	17.58	17.80	17.67	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.60	22.73	22.75	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.68	22.84	22.66	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.62	22.82	22.61	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.70	22.80	22.69	24.0	0.0	

n48_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)									
40	PI2 BPSK	1	1	23.38	23.61	23.49			
40	PI2 BPSK	1	53	23.26	23.60	23.39	24.0	0.0	
40	PI2 BPSK	1	104	23.22	23.57	23.25			
40	PI2 BPSK	50	0	22.63	22.85	22.79	23.5	0.5	
40	PI2 BPSK	50	28	23.15	23.34	23.25	24.0	0.0	
40	PI2 BPSK	50	56	22.57	22.83	22.68			
40	PI2 BPSK	100	0	22.68	22.94	22.88	23.5	0.5	
40	QPSK	1	1	23.46	23.62	23.32			
40	QPSK	1	53	23.26	23.51	23.39	24.0	0.0	
40	QPSK	1	104	23.27	23.49	23.34			
40	QPSK	50	0	22.96	22.27	22.12			
40	QPSK	50	28	23.16	23.26	23.15	24.0	0.0	
40	QPSK	50	56	22.07	22.24	22.14			
40	QPSK	100	0	22.10	22.31	22.19	23.0	1.0	
40	16QAM	1	1	22.98	22.31	22.21	23.0	1.0	
40	16QAM	1	1	20.37	20.51	20.44	21.5	2.5	
40	256QAM	1	1	18.41	18.62	18.58	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.33	23.57	23.45	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.34	23.52	23.42	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.41	23.53	23.49	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.38	23.51	23.37	24.0	0.0	

Part27Q_n77_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		22.14				
100	PI2 BPSK	1	137		22.15		24.0	0.0	
100	PI2 BPSK	1	271		22.05				
100	PI2 BPSK	135	0		22.22		24.0	0.0	
100	PI2 BPSK	135	69		22.16		24.0	0.0	
100	PI2 BPSK	135	138		22.07		24.0	0.0	
100	PI2 BPSK	270	0		22.21				
100	QPSK	1	1		22.26				
100	QPSK	1	137		22.15		24.0	0.0	
100	QPSK	1	271		22.09				
100	QPSK	135	0		22.17		24.0	0.0	
100	QPSK	135	69		22.10		24.0	0.0	
100	QPSK	135	138		22.17				
100	QPSK	270	0		22.09		24.0	0.0	
100	16QAM	1	1		22.11		24.0	0.0	
100	64QAM	1	1		22.21		24.0	0.0	
100	256QAM	1	1		20.65		22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.22	22.09	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.07	22.22	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.20	22.22	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.10	22.07	22.12	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.13	22.10	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.24	22.10	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.20	22.04	22.08	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.02	22.03	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.01	22.03	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.14	22.23	22.11	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.13	22.18	22.17	24.0	0.0	

Part27Q_n77(HPUE)_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		25.18				
100	PI2 BPSK	1	137		25.16		27.0	0.0	
100	PI2 BPSK	1	271		25.01				
100	PI2 BPSK	135	0		24.58		26.5	0.5	
100	PI2 BPSK	135	69		25.12		27.0	0.0	
100	PI2 BPSK	135	138		25.05		26.5	0.5	
100	PI2 BPSK	270	0		24.61				
100	QPSK	1	1		25.20				
100	QPSK	1	137		25.07		27.0	0.0	
100	QPSK	1	271		25.03				
100	QPSK	135	0		24.21				
100	QPSK	135	69		25.10		27.0	0.0	
100	QPSK	135	138		24.93				
100	QPSK	270	0		24.05		26.0	1.0	
100	16QAM	1	1		24.29		26.0	1.0	
100	16QAM	1	1		22.62		24.5	2.5	
100	256QAM	1	1		20.57		22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.14	25.05	25.09	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.06	25.18	25.06	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.15	25.18	25.08	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.17	25.17	25.04	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.02	25.13	25.14	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.15	25.11	25.06	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.17	25.10	25.04	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.00	25.10	25.12	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.05	25.06	25.09	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.19	25.14	25.14	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.09	25.15	25.11	27.0	0.0	

Part270_n77_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									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.18	22.26	22.15			
100	PI2 BPSK	1	137	22.28	22.34	22.21			
100	PI2 BPSK	1	271	22.27	22.31	22.07	24.0	0.0	
100	PI2 BPSK	135	0	22.11	22.20	22.19	24.0	0.0	
100	PI2 BPSK	135	69	22.24	22.23	22.18	24.0	0.0	
100	PI2 BPSK	135	138	22.30	22.22	22.09	24.0	0.0	
100	PI2 BPSK	270	0	22.26	22.14	22.24			
100	QPSK	1	1	22.22	22.28	22.25			
100	QPSK	1	137	22.18	22.21	22.18	24.0	0.0	
100	QPSK	1	271	22.19	22.25	22.28			
100	QPSK	135	0	22.07	22.25	22.16	24.0	0.0	
100	QPSK	135	69	22.21	22.28	22.27			
100	QPSK	135	138	22.20	22.16	22.11			
100	QPSK	270	0	22.25	22.28	22.15	24.0	0.0	
100	16QAM	1	1	22.09	22.16	22.30	24.0	0.0	
100	16QAM	1	1	22.20	22.21	22.31	24.0	0.0	
100	256QAM	1	1	20.62	20.53	20.55	22.5	1.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.22	22.11	22.09	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.08	22.13	22.18	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.31	22.30	22.21	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.13	22.05	22.08	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.20	22.10	22.13	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.27	22.08	22.19	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.31	22.34	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.08	22.07	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.12	22.27	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.07	22.11	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.22	22.08	22.21	24.0	0.0	

Part270_n77(HPUE)_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									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.11	25.16	25.08			
100	PI2 BPSK	1	137	25.12	25.14	25.10			
100	PI2 BPSK	1	271	25.02	25.03	25.08	27.0	0.0	
100	PI2 BPSK	135	0	24.59	24.59	24.65	26.5	0.5	
100	PI2 BPSK	135	69	25.11	25.10	25.07	27.0	0.0	
100	PI2 BPSK	135	138	25.16	25.10	25.08	26.5	0.5	
100	PI2 BPSK	270	0	24.56	24.50	24.58			
100	QPSK	1	1	25.13	25.17	25.15			
100	QPSK	1	137	25.10	25.08	25.13	27.0	0.0	
100	QPSK	1	271	25.07	25.00	25.05			
100	QPSK	135	0	24.17	24.17	24.12	27.0	0.0	
100	QPSK	135	69	25.10	25.10	25.10			
100	QPSK	135	138	25.02	25.06	25.00			
100	QPSK	270	0	24.06	24.07	24.04	26.0	1.0	
100	16QAM	1	1	24.27	24.16	24.23	26.0	1.0	
100	16QAM	1	1	22.56	22.51	22.53	24.5	2.5	
100	256QAM	1	1	20.52	20.53	20.52	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.09	25.07	25.07	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.02	25.08	25.01	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.13	25.14	25.02	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.05	25.01	25.01	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.14	25.03	25.07	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.13	25.08	25.11	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.11	25.14	25.04	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.01	25.05	25.04	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.07	25.11	25.01	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.05	25.04	25.02	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.07	25.07	25.04	27.0	0.0	

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		22.40				
100	PI2 BPSK	1	137		22.23		24.0	0.0	
100	PI2 BPSK	1	271		22.42				
100	PI2 BPSK	135	0		22.40		24.0	0.0	
100	PI2 BPSK	135	69		22.44		24.0	0.0	
100	PI2 BPSK	135	138		22.34		24.0	0.0	
100	PI2 BPSK	270	0		22.37		24.0	0.0	
100	QPSK	1	1		22.46				
100	QPSK	1	137		22.29		24.0	0.0	
100	QPSK	1	271		22.30				
100	QPSK	135	0		22.25		24.0	0.0	
100	QPSK	135	69		22.32				
100	QPSK	135	138		22.35		24.0	0.0	
100	QPSK	270	0		22.35		24.0	0.0	
100	16QAM	1	1		22.45		24.0	0.0	
100	16QAM	1	1		22.33		24.0	0.0	
100	256QAM	1	1		20.84		22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63500	63532	63566	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22.36	22.32	22.41	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63668	63532	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	34862	34898	35049	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.37	22.27	22.43	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63534	63532	63432	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3485.01	3489.8	3514.68	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	22.35	22.29	22.30	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63500	63532	63496	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3486	3489.8	3516.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	22.39	22.31	22.24	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63166	63532	63500	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3475.6	3489.8	3524	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	22.29	22.34	22.34	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63532	63532	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3470.18	3489.8	3520.68	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	22.32	22.28	22.30	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63532	63566	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3465	3489.8	3534.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.39	22.24	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63055	63532	63582	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3462.51	3489.8	3537.48	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.41	22.31	22.42	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63668	63532	63600	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3460.22	3489.8	3541	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.32	22.24	22.29	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63650	63532	63616	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3467.5	3489.8	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.37	22.35	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63535	63532	63532	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3455.01	3489.8	3544.38	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.37	22.25	22.36	24.0	0.0	

Part27Q_n77(HPUe)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	25.18			27.0	0.0	
100	P12 BPSK	1	137	25.22					
100	P12 BPSK	1	271	25.16			26.5	0.5	
100	P12 BPSK	135	0	24.71					
100	P12 BPSK	135	69	25.14			27.0	0.0	
100	P12 BPSK	135	138	25.22			26.5	0.5	
100	P12 BPSK	270	0	24.73					
100	QPSK	1	1	25.30			27.0	0.0	
100	QPSK	1	137	25.16					
100	QPSK	1	271	25.15			27.0	0.0	
100	QPSK	135	0	24.42					
100	QPSK	135	69	25.22			27.0	0.0	
100	QPSK	135	138	25.00					
100	QPSK	270	0	24.24			26.0	1.0	
100	16QAM	1	1	24.26			26.0	1.0	
100	64QAM	1	1	22.56			24.5	2.5	
100	256QAM	1	1	20.57			22.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63500	63532	63566	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3465	3469.98	3504.99	27.0	0.0	
80	QPSK	1	1	25.20	25.28	25.23	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63509	63532	63400	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3465	3469.98	3504.99	27.0	0.0	
80	QPSK	1	1	25.18	25.27	25.25	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63254	63332	63432	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3485.01	3499.98	3514.98	27.0	0.0	
70	QPSK	1	1	25.17	25.20	25.28	27.0	0.0	
70	QPSK	1	1	63200	63332	63466	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3480	3499.98	3519.99	27.0	0.0	
60	QPSK	1	1	25.27	25.18	25.23	27.0	0.0	
60	QPSK	1	1	63168	63332	63500	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3475.99	3499.98	3524	27.0	0.0	
50	QPSK	1	1	25.24	25.27	25.14	27.0	0.0	
50	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3470.01	3499.98	3520.98	27.0	0.0	
40	QPSK	1	1	25.23	25.19	25.17	27.0	0.0	
40	QPSK	1	1	63100	63332	63566	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3465	3499.98	3534.99	27.0	0.0	
30	QPSK	1	1	25.28	25.23	25.26	27.0	0.0	
30	QPSK	1	1	63034	63332	63582	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3462.01	3499.98	3537.48	27.0	0.0	
25	QPSK	1	1	25.25	25.21	25.28	27.0	0.0	
25	QPSK	1	1	63068	63332	63600	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3450.02	3499.98	3542.99	27.0	0.0	
20	QPSK	1	1	25.24	25.14	25.16	27.0	0.0	
20	QPSK	1	1	63050	63332	63616	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3457.5	3499.98	3542.49	27.0	0.0	
15	QPSK	1	1	25.20	25.19	25.26	27.0	0.0	
15	QPSK	1	1	63034	63332	63632	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3455.01	3499.98	3544.98	27.0	0.0	
10	QPSK	1	1	25.19	25.24	25.23	27.0	0.0	

Part27O_n77_Ant 5										
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)										
100	P12 BPSK	1	1	22.45	22.33	22.28	24.0	0.0		
100	P12 BPSK	1	137	22.38	22.39	22.39				
100	P12 BPSK	1	271	22.36	22.30	22.49	24.0	0.0		
100	P12 BPSK	135	0	22.48	22.41	22.44				
100	P12 BPSK	135	69	22.29	22.34	22.50	24.0	0.0		
100	P12 BPSK	135	138	22.39	22.44	22.32	24.0	0.0		
100	P12 BPSK	270	0	22.36	22.53	22.40				
100	QPSK	1	1	22.55	22.54	22.48	24.0	0.0		
100	QPSK	1	137	22.44	22.33	22.47				
100	QPSK	1	271	22.30	22.41	22.31	24.0	0.0		
100	QPSK	135	0	22.43	22.33	22.41				
100	QPSK	135	69	22.45	22.50	22.47	24.0	0.0		
100	QPSK	135	138	22.48	22.35	22.27				
100	QPSK	270	0	22.37	22.43	22.34	24.0	0.0		
100	16QAM	1	1	22.38	22.31	22.36	24.0	0.0		
100	64QAM	1	1	22.28	22.37	22.34	24.0	0.0		
100	256QAM	1	1	20.73	20.59	20.52	22.5	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.29	22.22	22.39	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.42	22.36	22.39	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.50	22.33	22.29	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.34	22.53	22.36	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.42	22.30	22.47	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.37	22.43	22.40	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.33	22.37	22.40	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.27	22.36	22.35	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.24	22.41	22.25	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.37	22.50	22.30	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.35	22.36	22.33	24.0	0.0		

Part270_n77(HPUe)_Ant 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	25.28	25.21	25.13	27.0	0.0			
100	P12 BPSK	1	137	25.27	25.22	25.25					
100	P12 BPSK	1	271	25.08	25.16	25.10	26.5	0.5			
100	P12 BPSK	135	0	24.80	24.74	24.79					
100	P12 BPSK	135	69	25.24	25.17	25.21	27.0	0.0			
100	P12 BPSK	135	138	25.27	25.17	25.17	26.5	0.5			
100	P12 BPSK	270	0	24.77	24.75	24.76					
100	QPSK	1	1	25.33	25.30	25.31	27.0	0.0			
100	QPSK	1	137	25.31	25.24	25.29					
100	QPSK	1	271	25.20	25.20	25.09	26.0	0.0			
100	QPSK	135	0	24.28	24.32	24.32					
100	QPSK	135	69	25.28	25.32	25.30	27.0	0.0			
100	QPSK	135	138	25.31	25.01	25.11	26.0	1.0			
100	QPSK	270	0	24.22	24.22	24.22					
100	16QAM	1	1	24.33	24.29	24.42	26.0	1.0			
100	16QAM	1	1	22.65	22.63	22.57	24.5	2.5			
100	256QAM	1	1	20.70	20.68	20.59	22.5	4.5			
Channel				660000	660000	660000					
Frequency (MHz)				3745.02	3840	3934.98					
80	QPSK	1	1	25.26	25.19	25.32	27.0	0.0			
Channel				647334	650000	653006			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3788.81	3840	3938.90					
80	QPSK	1	1	25.25	25.21	25.23	27.0	0.0			
Channel				646000	656000	663000					
Frequency (MHz)				3735	3840	3945					
70	QPSK	1	1	25.32	25.32	25.29	27.0	0.0			
Channel				646000	650000	653332			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98					
60	QPSK	1	1	25.19	25.33	25.27	27.0	0.0			
Channel				647334	650000	653666					
Frequency (MHz)				3781.81	3840	3954.99					
50	QPSK	1	1	25.32	25.24	25.31	27.0	0.0			
Channel				646000	656000	664000					
Frequency (MHz)				3720	3840	3960					
40	QPSK	1	1	25.31	25.29	25.24	27.0	0.0			
Channel				647668	650000	654332			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98					
30	QPSK	1	1	25.20	25.19	25.29	27.0	0.0			
Channel				646000	650000	655000					
Frequency (MHz)				3722.5	3840	3967.5					
25	QPSK	1	1	25.22	25.27	25.28	27.0	0.0			
Channel				647334	650000	654666					
Frequency (MHz)				3740.01	3840	3969.99					
20	QPSK	1	1	25.24	25.30	25.30	27.0	0.0			
Channel				647668	656000	664832					
Frequency (MHz)				3737.51	3840	3972.48					
15	QPSK	1	1	25.37	25.32	25.23	27.0	0.0			
Channel				646000	650000	655000					
Frequency (MHz)				3705	3840	3975					
10	QPSK	1	1	25.26	25.20	25.26	27.0	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)									
100	P1/2 BPSK	1	1	23.64	653332	3499.88			
100	P1/2 BPSK	1	137	23.58			24.0	0.0	
100	P1/2 BPSK	1	271	23.56					
100	P1/2 BPSK	135	0	23.65			24.0	0.0	
100	P1/2 BPSK	135	69	23.69			24.0	0.0	
100	P1/2 BPSK	135	138	23.64			24.0	0.0	
100	P1/2 BPSK	270	0	23.65					
100	QPSK	1	1	23.73					
100	QPSK	1	137	23.57			24.0	0.0	
100	QPSK	1	271	23.58					
100	QPSK	135	0	23.64			24.0	0.0	
100	QPSK	135	69	23.65					
100	QPSK	135	138	23.59					
100	QPSK	270	0	23.65			24.0	0.0	
100	16QAM	1	1	23.58			24.0	0.0	
100	64QAM	1	1	23.56			24.0	0.0	
100	256QAM	1	1	21.93			22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.51	653332	653660	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.51	653332	3490.99	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.62	653332	654392	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.51	653332	3514.68	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.48	653332	3518.99	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.44	653332	3520.88	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.59	653332	3525.80	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.55	653332	3536.96	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.52	653332	3537.48	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.52	653332	3537.48	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.60	653332	3542.49	Tune-up limit (dBm)	24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.54	653332	3544.38	Tune-up limit (dBm)	24.0	0.0

Part27Q_n77(HPUE)_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	P1/2 BPSK	1	1	26.37					
100	P1/2 BPSK	1	137	26.38			27.0	0.0	
100	P1/2 BPSK	1	271	26.47					
100	P1/2 BPSK	135	0	26.50			26.5	0.0	
100	P1/2 BPSK	135	69	26.45			27.0	0.0	
100	P1/2 BPSK	135	138	26.37			26.5	0.5	
100	P1/2 BPSK	270	0	26.00					
100	QPSK	1	1	26.55					
100	QPSK	1	137	26.37			27.0	0.0	
100	QPSK	1	271	26.25					
100	QPSK	135	0	26.46			27.0	0.0	
100	QPSK	135	69	26.47			27.0	0.0	
100	QPSK	135	138	26.31					
100	QPSK	270	0	26.50			26.0	1.0	
100	16QAM	1	1	26.56			26.0	1.0	
100	64QAM	1	1	23.76			24.5	2.5	
100	256QAM	1	1	21.86			22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.41	26.47	26.45	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.46	26.53	26.45	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.43	26.40	26.48	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.42	26.52	26.52	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.51	26.54	26.44	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.47	26.49	26.43	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.52	26.46	26.52	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	26.45	26.42	26.45	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.48	26.42	26.40	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.50	26.40	26.49	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.46	26.49	26.42	27.0	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	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	65000	65000	66000			
100	P1/2 BPSK	1	137	23.00	23.77	23.73			
100	P1/2 BPSK	1	271	23.01	23.73	23.70	24.0	0.0	
100	P1/2 BPSK	135	0	23.02	23.77	23.63	24.0	0.0	
100	P1/2 BPSK	135	69	23.12	23.80	23.63	24.0	0.0	
100	P1/2 BPSK	135	138	23.14	23.79	23.74	24.0	0.0	
100	P1/2 BPSK	270	0	22.99	23.78	23.68	24.0	0.0	
100	QPSK	1	1	23.10	23.87	23.82			
100	QPSK	1	137	23.08	23.65	23.76	24.0	0.0	
100	QPSK	1	271	22.97	23.75	23.79			
100	QPSK	135	0	22.99	23.68	23.67			
100	QPSK	135	69	23.05	23.77	23.72	24.0	0.0	
100	QPSK	135	138	23.04	23.73	23.66			
100	QPSK	270	0	23.10	23.70	23.66	24.0	0.0	
100	16QAM	1	1	22.94	23.81	23.79	24.0	0.0	
100	64QAM	1	1	22.95	23.67	23.66	24.0	0.0	
100	256QAM	1	1	21.38	22.13	21.98	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64634	65000	65292			
90	QPSK	1	1	23.01	23.61	23.69	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64534	65000	65296			
80	QPSK	1	1	23.01	23.65	23.70	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	64434	65000	65332			
70	QPSK	1	1	23.15	23.84	23.54	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64334	65000	65396			
60	QPSK	1	1	23.17	23.84	23.54	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64234	65000	65496			
50	QPSK	1	1	22.98	23.76	23.73	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64134	65000	65600			
40	QPSK	1	1	23.00	23.73	23.68	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64034	65000	65704			
30	QPSK	1	1	23.15	23.84	23.54	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63934	65000	65808			
20	QPSK	1	1	23.12	23.86	23.67	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63834	65000	65912			
15	QPSK	1	1	23.07	23.82	23.65	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63734	65000	66016			
10	QPSK	1	1	23.07	23.68	23.77	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63634	65000	66120			
10	QPSK	1	1	23.05	23.84	23.75	24.0	0.0	
10	QPSK	1	1	23.02	23.71	23.62	24.0	0.0	

Part270_n77(HPUe)_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	PI2 BPSK	1	1	26.15	26.80	26.67			
100	PI2 BPSK	1	137	26.02	26.59	26.60	27.0	0.0	
100	PI2 BPSK	1	271	26.07	26.77	26.71			
100	PI2 BPSK	135	0	26.42	26.04	26.04	26.5	0.5	
100	PI2 BPSK	135	69	25.96	26.61	26.68	27.0	0.0	
100	PI2 BPSK	135	138	26.04	26.45	26.47			
100	PI2 BPSK	270	0	25.80	26.32	26.34	26.5	0.5	
100	QPSK	1	1	26.18	26.88	26.84			
100	QPSK	1	137	26.03	26.70	26.74	27.0	0.0	
100	QPSK	1	271	25.94	26.63	26.54			
100	QPSK	135	0	25.21	25.82	25.91			
100	QPSK	135	69	25.12	26.70	26.71	27.0	0.0	
100	QPSK	135	138	26.04	26.62	26.58			
100	QPSK	270	0	25.11	25.85	25.83	26.0	1.0	
100	16QAM	1	1	25.10	25.93	25.80	26.0	1.0	
100	64QAM	1	1	23.30	24.07	24.10	24.5	2.5	
100	256QAM	1	1	21.41	22.16	22.08	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	31.42	31.92	31.94	27.0	0.0	
90	QPSK	1	1	26.12	26.72	26.82	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.14	26.80	26.72	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.17	26.84	26.68	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.17	26.83	26.82	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.15	26.83	26.75	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.17	26.82	26.80	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.17	26.82	26.81	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	26.09	26.75	26.78	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.07	26.86	26.77	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.07	26.84	26.83	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.13	26.83	26.69	27.0	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									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.30	22.36				
100	PI2 BPSK	1	137		22.38		24.0	0.0	
100	PI2 BPSK	1	271		22.28				
100	PI2 BPSK	135	0		22.36		24.0	0.0	
100	PI2 BPSK	135	69		22.33		24.0	0.0	
100	PI2 BPSK	135	138		22.39				
100	PI2 BPSK	270	0		22.26		24.0	0.0	
100	QPSK	1	1	22.29	22.26				
100	QPSK	1	137		22.25		24.0	0.0	
100	QPSK	1	271		22.22				
100	QPSK	135	0		22.35				
100	QPSK	135	69		22.30		24.0	0.0	
100	QPSK	135	138		22.26				
100	QPSK	270	0		22.28		24.0	0.0	
100	16QAM	1	1	22.44	22.44		24.0	0.0	
100	64QAM	1	1	22.28	22.28		24.0	0.0	
100	256QAM	1	1	20.73	20.73		22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	63332	63400	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63332	63466	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63200	63332	63500	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63332	63566	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63332	63632	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63332	63666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63068	63332	63700	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63034	63332	63732	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63000	63332	63766	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	62968	63332	63800	Tune-up limit (dBm)	MPR	

Part27Q_n77(HPUe)_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	PI2 BPSK	1	1		25.27				
100	PI2 BPSK	1	137		25.17		27.0	0.0	
100	PI2 BPSK	1	271		25.23				
100	PI2 BPSK	135	0		24.81		26.5	0.5	
100	PI2 BPSK	135	69		25.12		27.0	0.0	
100	PI2 BPSK	135	138		24.68				
100	PI2 BPSK	270	0		24.67		26.5	0.5	
100	QPSK	1	1		25.30				
100	QPSK	1	137		25.15		27.0	0.0	
100	QPSK	1	271		25.21				
100	QPSK	135	0		24.29				
100	QPSK	135	69		25.25		27.0	0.0	
100	QPSK	135	138		25.03				
100	QPSK	270	0		24.22		26.0	1.0	
100	16QAM	1	1		24.69		26.0	1.0	
100	64QAM	1	1		22.58		24.5	2.5	
100	256QAM	1	1		20.70		22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633332	634332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
0	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-10	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-20	QPSK	1	1	629334	633332	637332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-30	QPSK	1	1	629000	633332	637666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-40	QPSK	1	1	628668	633332	638000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-50	QPSK	1	1	628334	633332	638332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-60	QPSK	1	1	628000	633332	638666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-70	QPSK	1	1	627668	633332	639000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-80	QPSK	1	1	627334	633332	639332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
-90	QPSK	1	1	627000	633332	639666	Tune-up limit (dBm)	MPR	

Part270_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									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.43	22.20	22.26			
100	PI2 BPSK	1	137	22.45	22.12	22.16	24.0	0.0	
100	PI2 BPSK	1	271	22.52	22.10	22.14			
100	PI2 BPSK	135	0	22.57	22.12	22.20	24.0	0.0	
100	PI2 BPSK	135	69	22.53	22.20	22.25	24.0	0.0	
100	PI2 BPSK	135	138	22.45	22.25	22.29	24.0	0.0	
100	PI2 BPSK	270	0	22.65	22.04	22.30			
100	QPSK	1	1	22.70	22.27	22.27			
100	QPSK	1	137	22.62	22.09	22.26	24.0	0.0	
100	QPSK	1	271	22.62	22.12	22.25			
100	QPSK	135	0	22.54	22.15	22.07			
100	QPSK	135	69	22.60	22.22	22.25	24.0	0.0	
100	QPSK	135	138	22.65	22.22	22.24			
100	QPSK	270	0	22.45	22.15	22.20	24.0	0.0	
100	16QAM	1	1	22.61	22.15	22.22	24.0	0.0	
100	64QAM	1	1	22.40	22.06	22.21	24.0	0.0	
100	256QAM	1	1	20.94	20.96	20.73	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.55	22.20	22.18	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.48	22.22	22.27	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.49	22.08	22.25	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.42	22.18	22.31	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.39	22.10	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.56	22.24	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.55	22.24	22.16	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.43	22.24	22.13	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.54	22.27	22.22	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.45	22.06	22.11	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.53	22.25	22.17	24.0	0.0	

Part270_n77(HPUE)_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	PI2 BPSK	1	1	25.42	25.13	25.06			
100	PI2 BPSK	1	137	25.31	25.10	25.04	27.0	0.0	
100	PI2 BPSK	1	271	25.40	25.09	25.02			
100	PI2 BPSK	135	0	24.92	24.52	24.63	26.5	0.5	
100	PI2 BPSK	135	69	25.38	25.10	25.04	27.0	0.0	
100	PI2 BPSK	135	138	24.95	24.57	24.63	26.5	0.5	
100	PI2 BPSK	270	0	24.96	24.54	24.55			
100	QPSK	1	1	25.50	25.10	25.15			
100	QPSK	1	137	25.45	25.02	25.12	27.0	0.0	
100	QPSK	1	271	25.40	25.06	25.02			
100	QPSK	135	0	24.48	24.38	24.07			
100	QPSK	135	69	25.45	25.11	25.05	27.0	0.0	
100	QPSK	135	138	25.16	25.00	25.00			
100	QPSK	270	0	24.48	24.16	24.07	26.0	1.0	
100	16QAM	1	1	24.33	24.03	24.10	26.0	1.0	
100	64QAM	1	1	22.78	22.55	22.57	24.5	2.5	
100	256QAM	1	1	20.87	20.51	20.63	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.47	25.18	25.16	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.34	25.09	25.08	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.37	25.06	25.14	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.30	25.05	25.15	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.30	25.00	25.07	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.47	25.18	25.15	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.42	25.11	25.15	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.36	25.00	25.05	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.38	25.07	25.12	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.44	25.05	25.08	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.37	25.09	25.16	27.0	0.0	

Part27Q_n78_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3499.98				
100	PI2 BPSK	1	137		22.28		24.0	0.0	
100	PI2 BPSK	1	271		22.27				
100	PI2 BPSK	135	0		22.28		24.0	0.0	
100	PI2 BPSK	135	69		22.22		24.0	0.0	
100	PI2 BPSK	135	138		22.30				
100	PI2 BPSK	270	0		22.18				
100	QPSK	1	1		22.35				
100	QPSK	1	137		22.30		24.0	0.0	
100	QPSK	1	271		22.28				
100	QPSK	135	0		22.29				
100	QPSK	135	69		22.30		24.0	0.0	
100	QPSK	135	138		22.22				
100	QPSK	270	0		22.30		24.0	0.0	
100	16QAM	1	1		22.29		24.0	0.0	
100	256QAM	1	1		20.52		22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.19	22.21	22.16	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.25	22.23	22.23	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.23	22.25	22.28	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.15	22.21	22.18	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.14	22.26	22.23	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.23	22.13	22.12	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.14	22.26	22.21	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.25	22.12	22.24	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.10	22.17	22.27	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.20	22.20	22.26	Tuneup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.26	22.28	22.20	Tuneup limit (dBm)	MPR (dB)	

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.27	3499.98				
100	P12 BPSK	1	137	22.15			24.0	0.0	
100	P12 BPSK	1	271	22.10					
100	P12 BPSK	135	0	22.30			24.0	0.0	
100	P12 BPSK	135	69	22.29			24.0	0.0	
100	P12 BPSK	135	138	22.16			24.0	0.0	
100	P12 BPSK	270	0	22.28					
100	QPSK	1	1	22.28	3499.98				
100	QPSK	1	137	22.15			24.0	0.0	
100	QPSK	1	271	22.28					
100	QPSK	135	0	22.29					
100	QPSK	135	69	22.33			24.0	0.0	
100	QPSK	135	138	22.13					
100	QPSK	270	0	22.28			24.0	0.0	
100	16QAM	1	1	22.12			24.0	0.0	
100	64QAM	1	1	22.21			24.0	0.0	
100	256QAM	1	1	20.59			22.5	1.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.24	3499.98	3504.99	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.13	3499.98	3504.99	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.23	3499.98	3514.98	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.18	3499.98	3519.99	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.27	3499.98	3520.98	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.17	3499.98	3520.98	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.32	3499.98	3534.99	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.22	3499.98	3537.48	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.22	3499.98	3540.00	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.25	3499.98	3542.49	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.20	3499.98	3544.98	24.0	0.0	

Part27Q_n78(HPUE)_Ant 5									
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)									
100	P12 BPSK	1	1	25.07	63332	3499.98			
100	P12 BPSK	1	137	25.04			27.0	0.0	
100	P12 BPSK	1	271	25.10					
100	P12 BPSK	135	0	24.65			26.5	0.5	
100	P12 BPSK	135	69	25.09			27.0	0.0	
100	P12 BPSK	135	138	24.62			26.5	0.5	
100	P12 BPSK	270	0	24.69					
100	QPSK	1	1	25.15					
100	QPSK	1	137	25.03			27.0	0.0	
100	QPSK	1	271	25.02					
100	QPSK	135	0	24.95			27.0	0.0	
100	QPSK	135	69	25.12					
100	QPSK	135	138	24.12					
100	QPSK	270	0	24.15			26.0	1.0	
100	16QAM	1	1	24.20			26.0	1.0	
100	64QAM	1	1	22.58			24.5	2.5	
100	256QAM	1	1	20.58			22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.14	63332	3499.98	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.05	63332	3500.99	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.17	63332	3501.98	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.08	63332	3501.99	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.09	63332	3502.98	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.15	63332	3503.98	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.16	63332	3504.98	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.02	63332	3505.98	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.12	63332	3506.98	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.14	63332	3507.98	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.07	63332	3508.98	27.0	0.0	

Part27O_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.33					
100	P12 BPSK	1	137	22.32			24.0	0.0	
100	P12 BPSK	1	271	22.29					
100	P12 BPSK	135	0	22.32			24.0	0.0	
100	P12 BPSK	135	69	22.16			24.0	0.0	
100	P12 BPSK	135	138	22.29			24.0	0.0	
100	P12 BPSK	270	0	22.33					
100	QPSK	1	1	22.33					
100	QPSK	1	137	22.16			24.0	0.0	
100	QPSK	1	271	22.12					
100	QPSK	135	0	22.17					
100	QPSK	135	69	22.33			24.0	0.0	
100	QPSK	135	138	22.29					
100	QPSK	270	0	22.33			24.0	0.0	
100	16QAM	1	1	22.17			24.0	0.0	
100	64QAM	1	1	22.32			24.0	0.0	
100	256QAM	1	1	20.50			22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.13	22.31	22.19	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.23	22.33	22.13	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.10	22.19	22.17	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.18	22.22	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.25	22.22	22.18	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.05	22.05	22.13	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.12	22.13	22.26	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.31	22.30	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.21	22.34	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.09	22.08	22.11	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.11	22.18	22.16	24.0	0.0	

Part270_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		23.37				
100	P12 BPSK	1	137		23.41		24.0	0.0	
100	P12 BPSK	1	271		23.44				
100	P12 BPSK	135	0		23.46		24.0	0.0	
100	P12 BPSK	135	69		23.35		24.0	0.0	
100	P12 BPSK	135	138		23.37		24.0	0.0	
100	P12 BPSK	270	0		23.46				
100	QPSK	1	1		23.35				
100	QPSK	1	137		23.39		24.0	0.0	
100	QPSK	1	271		23.52				
100	QPSK	135	0		23.46				
100	QPSK	135	69		23.45		24.0	0.0	
100	QPSK	135	138		23.45				
100	QPSK	270	0		23.51		24.0	0.0	
100	16QAM	1	1		23.39		24.0	0.0	
100	16QAM	1	1		23.40		24.0	0.0	
100	256QAM	1	1		22.11		22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	648968	650000	650332	Tune-up limit (dBm)	MPR	(dB)
				3745.02	3750	3754.98	24.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	648934	650000	650066	Tune-up limit (dBm)	MPR	(dB)
				3740.01	3750	3759.99	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.33	23.38	23.37	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	648900	650000	651000	Tune-up limit (dBm)	MPR	(dB)
				3735	3750	3765	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.33	23.44	23.39	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	648958	650000	651332	Tune-up limit (dBm)	MPR	(dB)
				3750.02	3750	3769.98	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.37	23.41	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648734	650000	651666	Tune-up limit (dBm)	MPR	(dB)
				3725.01	3750	3774.99	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.24	23.31	23.23	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648900	650000	652000	Tune-up limit (dBm)	MPR	(dB)
				3720	3750	3760	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.32	23.39	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	647608	650000	652332	Tune-up limit (dBm)	MPR	(dB)
				3715.02	3750	3764.98	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.48	23.43	23.40	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647500	650000	652500	Tune-up limit (dBm)	MPR	(dB)
				3712.5	3750	3787.5	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.47	23.33	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	(dB)
				3710.01	3750	3789.99	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.50	23.34	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647168	650000	652832	Tune-up limit (dBm)	MPR	(dB)
				3707.52	3750	3792.48	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.27	23.47	23.38	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR	(dB)
				3705	3750	3795	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.48	23.48	23.34	24.0	0.0	

Part270_n78(HPUE)_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		26.57				
100	P12 BPSK	1	137		26.38		27.0	0.0	
100	P12 BPSK	1	271		26.38				
100	P12 BPSK	135	0		26.10		26.5	0.5	
100	P12 BPSK	135	69		26.51		27.0	0.0	
100	P12 BPSK	135	138		26.04		26.5	0.5	
100	P12 BPSK	270	0		26.06				
100	QPSK	1	1		26.00				
100	QPSK	1	137		26.43		27.0	0.0	
100	QPSK	1	271		26.49				
100	QPSK	135	0		26.49				
100	QPSK	135	69		26.50		27.0	0.0	
100	QPSK	135	138		25.42				
100	QPSK	270	0		25.61		26.0	1.0	
100	16QAM	1	1		25.53		26.0	1.0	
100	16QAM	1	1		25.59		24.5	2.5	
100	256QAM	1	1		22.02		22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	648668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
				3745.02	3750	3754.98			
Channel									
Frequency (MHz)									
80	QPSK	1	1	648634	650000	650066	Tune-up limit (dBm)	MPR	(dB)
				3740.01	3750	3759.99			
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.48	26.58	26.49	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	648668	650000	651332	Tune-up limit (dBm)	MPR	(dB)
				3730.02	3750	3769.98			
Channel									
Frequency (MHz)									
60	QPSK	1	1	648634	650000	651666	Tune-up limit (dBm)	MPR	(dB)
				3725.01	3750	3774.99			
Channel									
Frequency (MHz)									
50	QPSK	1	1	648668	650000	652000	Tune-up limit (dBm)	MPR	(dB)
				3720	3750	3760			
Channel									
Frequency (MHz)									
40	QPSK	1	1	647900	650000	652900	Tune-up limit (dBm)	MPR	(dB)
				3715.02	3750	3784.98			
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.65	26.63	26.57	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	(dB)
				3710.01	3750	3789.99			
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.52	26.39	26.45	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	650000	652832	Tune-up limit (dBm)	MPR	(dB)
				3707.52	3750	3792.48			
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.44	26.54	26.46	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.58	26.57	26.45	27.0	0.0	

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		22.16				
100	P12 BPSK	1	137		22.25		24.0	0.0	
100	P12 BPSK	1	271		22.16				
100	P12 BPSK	135	0		22.13		24.0	0.0	
100	P12 BPSK	135	69		22.14		24.0	0.0	
100	P12 BPSK	135	138		22.14		24.0	0.0	
100	P12 BPSK	270	0		22.21				
100	QPSK	1	1		22.35				
100	QPSK	1	137		22.29		24.0	0.0	
100	QPSK	1	271		22.03				
100	QPSK	135	0		22.10				
100	QPSK	135	69		22.11		24.0	0.0	
100	QPSK	135	138		22.03				
100	QPSK	270	0		22.07		24.0	0.0	
100	16QAM	1	1		22.23		24.0	0.0	
100	16QAM	1	1		22.13		24.0	0.0	
100	256QAM	1	1		20.81		22.5	1.5	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3495	3499.98	3504.99			
60	QPSK	1	1	22.11	22.29	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3472.62	3499.98	3510			
60	QPSK	1	1	22.18	22.17	22.13	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633534	633332	634332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3485.01	3499.98	3514.68			
60	QPSK	1	1	22.09	22.14	22.23	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3486	3499.98	3516.99			
60	QPSK	1	1	22.09	22.25	22.12	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633532	633332	633900	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3478.22	3499.98	3509			
60	QPSK	1	1	22.10	22.18	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3471.01	3499.98	3509.68			
30	QPSK	1	1	22.14	22.13	22.11	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3485	3499.98	3534.99			
30	QPSK	1	1	22.08	22.20	22.16	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630968	633332	635832	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3482.51	3499.98	3537.48			
30	QPSK	1	1	22.19	22.15	22.10	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3480.22	3499.98	3540			
30	QPSK	1	1	22.19	22.20	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630500	633332	636166	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3457.5	3499.98	3542.49			
15	QPSK	1	1	22.13	22.06	22.20	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	633332	633332	633332	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3455.01	3499.98	3544.98			
15	QPSK	1	1	22.14	22.20	22.07	24.0	0.0	

Part27Q_n78(HPUe)_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	Pl2 BPSK	1	1	25.08	3469.98		27.0	0.0	
100	Pl2 BPSK	1	1	25.00					
100	Pl2 BPSK	1	271	25.06					
100	Pl2 BPSK	135	0	24.54			26.5	0.5	
100	Pl2 BPSK	135	69	25.04			27.0	0.0	
100	Pl2 BPSK	135	138	24.58			26.5	0.5	
100	Pl2 BPSK	270	0	24.58			27.0	0.0	
100	QPSK	1	1	25.10					
100	QPSK	1	137	25.04					
100	QPSK	1	271	25.00			27.0	0.0	
100	QPSK	135	0	24.10					
100	QPSK	135	69	25.05					
100	QPSK	135	138	23.82			26.0	1.0	
100	QPSK	270	0	24.04					
100	16QAM	1	1	24.23			26.0	1.0	
100	64QAM	1	1	22.51			24.5	2.5	
100	256QAM	1	1	20.55			22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.03	3469.98	3404.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.08	3469.98	3404.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.00	3469.98	3510.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.02	3469.98	3510.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.01	3469.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.04	3469.98	3520.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.04	3469.98	3520.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.07	3469.98	3526.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.02	3469.98	3526.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.00	3469.98	3532.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.00	3469.98	3538.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.01	3469.98	3544.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.01	3469.98	3549.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.02	3469.98	3555.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.02	3469.98	3561.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.03	3469.98	3567.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.08	3469.98	3573.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.09	3469.98	3579.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.01	3469.98	3584.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.02	3469.98	3590.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.08	3469.98	3596.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.09	3469.98	3602.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.08	3469.98	3608.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.09	3469.98	3614.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.07	3469.98	3620.99	Tune-up limit (dBm)	MPR (dB)	

Part27O_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	Pl2 BPSK	1	1	22.45	3750		24.0	0.0	
100	Pl2 BPSK	1	137	22.61					
100	Pl2 BPSK	1	271	22.42					
100	Pl2 BPSK	135	0	22.49			24.0	0.0	
100	Pl2 BPSK	135	69	22.68			24.0	0.0	
100	Pl2 BPSK	135	138	22.48			24.0	0.0	
100	Pl2 BPSK	270	0	22.62					
100	QPSK	1	1	22.67					
100	QPSK	1	137	22.47			24.0	0.0	
100	QPSK	1	271	22.56					
100	QPSK	135	0	22.44					
100	QPSK	135	69	22.64			24.0	0.0	
100	QPSK	135	138	22.63					
100	QPSK	270	0	22.44					
100	16QAM	1	1	22.42			24.0	0.0	
100	64QAM	1	1	22.63			24.0	1.5	
100	256QAM	1	1	20.88			22.5	1.5	
Channel									
				649986	650000	650032	Tune-up limit	MPR	
				3745.65	3751	3754.88	(dBm)	(dB)	
90	QPSK	1	1	22.58	22.35	22.58	24.0	0.0	
Channel									
				649934	650000	650066	Tune-up limit	MPR	
				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	22.46	22.40	22.50	24.0	0.0	
Channel									
				649900	650000	651000	Tune-up limit	MPR	
				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	22.55	22.52	22.48	24.0	0.0	
Channel									
				649978	650000	650132	Tune-up limit	MPR	
				3750.02	3750	3760.88	(dBm)	(dB)	
60	QPSK	1	1	22.45	22.40	22.57	24.0	0.0	
Channel									
				649950	650000	651066	Tune-up limit	MPR	
				3738.01	3750	3771.99	(dBm)	(dB)	
50	QPSK	1	1	22.47	22.43	22.44	24.0	0.0	
Channel									
				648900	650000	652000	Tune-up limit	MPR	
				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	22.52	22.56	22.48	24.0	0.0	
Channel									
				647698	650000	652302	Tune-up limit	MPR	
				3715.02	3750	3768.88	(dBm)	(dB)	
30	QPSK	1	1	22.55	22.55	22.39	24.0	0.0	
Channel									
				647200	650000	652900	Tune-up limit	MPR	
				3712.0	3750	3767.5	(dBm)	(dB)	
25	QPSK	1	1	22.52	22.40	22.52	24.0	0.0	
Channel									
				647334	650000	652066	Tune-up limit	MPR	
				3710.01	3750	3768.99	(dBm)	(dB)	
20	QPSK	1	1	22.57	22.54	22.38	24.0	0.0	
Channel									
				647410	650000	652910	Tune-up limit	MPR	
				3707.52	3750	3762.48	(dBm)	(dB)	
15	QPSK	1	1	22.41	22.54	22.82	24.0	0.0	
Channel									
				647000	650000	653000	Tune-up limit	MPR	
				3700	3750	3794	(dBm)	(dB)	
10	QPSK	1	1	22.36	22.56	22.44	24.0	0.0	

Part27O_n78(HPUe)_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	P12 BPSK	1	1	25.43			27.0	0.0	
100	P12 BPSK	1	137	25.23					
100	P12 BPSK	1	271	25.31					
100	P12 BPSK	135	0	25.04			26.5	0.5	
100	P12 BPSK	135	69	25.30			27.0	0.0	
100	P12 BPSK	135	138	25.05			26.5	0.5	
100	P12 BPSK	270	0	24.98			27.0	0.0	
100	QPSK	1	1	25.48					
100	QPSK	1	137	25.38					
100	QPSK	1	271	25.39			27.0	0.0	
100	QPSK	135	0	24.44					
100	QPSK	135	69	25.42					
100	QPSK	135	138	24.35			27.0	0.0	
100	QPSK	270	0	24.40					
100	16QAM	1	1	24.49			26.0	1.0	
100	64QAM	1	1	22.88			24.5	2.5	
100	256QAM	1	1	20.88			22.5	4.5	
Channel									
Frequency (MHz)				66998	65000	66032	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.44	25.33	25.47	27.0	0.0	
Channel									
Frequency (MHz)				66934	65000	66066	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	27.01	3750	3750	27.0	0.0	
Channel									
Frequency (MHz)				66900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	25.42	25.33	25.46	27.0	0.0	
Channel									
Frequency (MHz)				66900	65000	66132	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	25.45	25.39	25.48	27.0	0.0	
Channel									
Frequency (MHz)				66834	65000	65166	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	27.02	3750	3749	27.0	0.0	
Channel									
Frequency (MHz)				66800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	25.41	25.47	25.37	27.0	0.0	
Channel									
Frequency (MHz)				66700	65000	65332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.35	25.49	25.35	27.0	0.0	
Channel									
Frequency (MHz)				64700	65000	65200	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	25.35	25.49	25.39	27.0	0.0	
Channel									
Frequency (MHz)				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	25.47	25.43	25.89	27.0	0.0	
Channel									
Frequency (MHz)				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	25.38	25.34	26.44	27.0	0.0	
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	25.32	25.47	25.34	27.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.28	22.35	22.32			
20	PI2 BPSK	1	53	22.25	22.27	22.17	24.0	0.0	
20	PI2 BPSK	1	104	22.10	22.25	22.20			
20	PI2 BPSK	50	0	21.56	21.70	21.60	23.5	0.5	
20	PI2 BPSK	50	28	22.12	22.17	22.06	24.0	0.0	
20	PI2 BPSK	50	56	21.57	21.60	21.63			
20	PI2 BPSK	100	0	21.58	21.71	21.64	23.5	0.5	
20	QPSK	1	1	22.33	22.36	22.35			
20	QPSK	1	53	22.23	22.31	22.27	24.0	0.0	
20	QPSK	1	104	22.16	22.29	22.24			
20	QPSK	50	0	21.14	21.23	21.15	23.0	1.0	
20	QPSK	50	28	22.13	22.22	22.17	24.0	0.0	
20	QPSK	50	56	21.13	21.18	21.16			
20	QPSK	100	0	21.16	21.22	21.18	23.0	1.0	
20	16QAM	1	1	21.41	21.45	21.37	23.0	1.0	
20	64QAM	1	1	19.52	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.51	17.53	17.50	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.23	22.27	22.29	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.25	22.34	22.31	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.30	22.33	22.29	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.13	22.17	22.09			
20	PI2 BPSK	1	53	22.10	22.12	22.06	24.0	0.0	
20	PI2 BPSK	1	104	22.05	22.12	22.12			
20	PI2 BPSK	50	0	21.50	21.53	21.52	23.5	0.5	
20	PI2 BPSK	50	28	22.04	22.05	22.01	24.0	0.0	
20	PI2 BPSK	50	56	21.51	21.55	21.53			
20	PI2 BPSK	100	0	21.50	21.57	21.52	23.5	0.5	
20	QPSK	1	1	22.10	22.24	22.17			
20	QPSK	1	53	22.09	22.16	22.08	24.0	0.0	
20	QPSK	1	104	22.04	22.18	22.13			
20	QPSK	50	0	21.04	21.08	21.03	23.0	1.0	
20	QPSK	50	28	22.07	22.10	22.05	24.0	0.0	
20	QPSK	50	56	21.03	21.06	21.04			
20	QPSK	100	0	21.04	21.08	21.04	23.0	1.0	
20	16QAM	1	1	21.25	21.28	21.22	23.0	1.0	
20	64QAM	1	1	19.57	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.53	17.54	17.54	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.17	22.18	22.16	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.16	22.15	22.13	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.16	22.17	22.10	24.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50500	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 50900	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	20.48	20.47	20.33			
50	PI2 BPSK	1	156	20.39	20.36	20.46			
50	PI2 BPSK	1	288	20.47	20.42	20.41	22.0	0.0	
50	PI2 BPSK	136	0	20.39	20.43	20.41	22.0	0.0	
50	PI2 BPSK	136	68	20.39	20.48	20.45	22.0	0.0	
50	PI2 BPSK	136	136	20.45	20.37	20.41	22.0	0.0	
50	PI2 BPSK	270	0	20.37	20.41	20.43			
50	QPSK	1	1	20.50	20.51	20.47			
50	QPSK	1	136	20.46	20.50	20.44	22.0	0.0	
50	QPSK	1	288	20.43	20.40	20.41			
50	QPSK	136	0	20.43	20.47	20.35	22.0	0.0	
50	QPSK	136	68	20.44	20.48	20.41	22.0	0.0	
50	QPSK	136	136	20.40	20.36	20.39			
50	QPSK	270	0	20.43	20.47	20.40	22.0	0.0	
50	16QAM	1	1	20.48	20.50	20.36	22.0	0.0	
50	64QAM	1	1	19.91	19.94	19.93	21.5	0.5	
50	256QAM	1	1	17.80	17.85	17.75	19.5	2.5	
Channel				505000	507000	509000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2550			
40	QPSK	1	1	20.48	20.39	20.43	22.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
30	QPSK	1	1	20.43	20.46	20.35	22.0	0.0	
Channel				502500	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	20.42	20.41	20.35	22.0	0.0	
Channel				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	20.42	20.50	20.37	22.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	20.35	20.39	20.33	22.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	20.39	20.47	20.35	22.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	20.48	20.36	20.45	22.0	0.0	

n7_Ant 1(ENDC)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 555000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)									
50	Pl2 BPSK	1	1	16.28	16.42	16.30	18.0	0.0	
50	Pl2 BPSK	1	135	16.26	16.37	16.29	18.0		
50	Pl2 BPSK	1	268	16.23	16.45	16.37	18.0		
50	Pl2 BPSK	135	0	16.29	16.37	16.38	18.0	0.0	
50	Pl2 BPSK	135	68	16.25	16.41	16.40	18.0	0.0	
50	Pl2 BPSK	135	135	16.26	16.45	16.36	18.0	0.0	
50	Pl2 BPSK	270	0	16.25	16.38	16.40	18.0		
50	QPSK	1	1	16.35	16.47	16.42	18.0	0.0	
50	QPSK	1	135	16.23	16.35	16.40	18.0	0.0	
50	QPSK	1	268	16.20	16.39	16.30	18.0		
50	QPSK	135	0	16.23	16.30	16.27	18.0	0.0	
50	QPSK	135	68	16.33	16.41	16.36	18.0	0.0	
50	QPSK	135	135	16.19	16.28	16.25	18.0	0.0	
50	QPSK	270	0	16.31	16.40	16.34	18.0	0.0	
50	16QAM	1	1	16.30	16.35	16.28	18.0	0.0	
50	64QAM	1	1	16.29	16.33	16.37	18.0	0.0	
50	256QAM	1	1	16.34	16.45	16.34	18.0	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	16.21	16.34	16.30	18.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.20	16.42	16.34	18.0	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.32	16.44	16.29	18.0	0.0	
Channel				512000	512000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.31	16.46	16.33	18.0	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.25	16.39	16.39	18.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.27	16.37	16.35	18.0	0.0	
Channel				500000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.32	16.43	16.28	18.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.39	22.49	22.32	24.0	0.0	
15	Pl2 BPSK	1	40	22.34	22.37	22.35	24.0		
15	Pl2 BPSK	1	77	22.38	22.51	22.46	23.0	0.5	
15	Pl2 BPSK	36	0	21.78	21.86	21.84	23.5	0.5	
15	Pl2 BPSK	36	22	22.23	22.32	22.25	24.0	0.0	
15	Pl2 BPSK	36	43	21.72	21.87	21.77	23.5	0.5	
15	Pl2 BPSK	75	0	21.81	21.91	21.82	23.5		
15	QPSK	1	1	22.45	22.52	22.48	24.0	0.0	
15	QPSK	1	40	22.37	22.45	22.38	24.0		
15	QPSK	1	77	22.47	22.50	22.49	23.0	1.0	
15	QPSK	36	0	21.36	21.45	21.37	23.0	0.0	
15	QPSK	36	22	22.30	22.38	22.33	24.0	0.0	
15	QPSK	36	43	21.29	21.38	21.35	23.0	1.0	
15	QPSK	75	0	21.36	21.43	21.34	23.0	1.0	
15	16QAM	1	1	21.80	21.83	21.81	23.0	1.0	
15	64QAM	1	1	19.77	19.78	19.70	21.5	2.5	
15	256QAM	1	1	17.73	17.75	17.74	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.38	22.45	22.42	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.47	22.51	22.39	24.0	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.19	22.24	22.23	24.0	0.0	
15	Pl2 BPSK	1	40	22.24	22.23	22.17	24.0		
15	Pl2 BPSK	1	77	22.12	22.22	22.14	23.0	0.5	
15	Pl2 BPSK	36	0	21.58	21.69	21.60	23.5	0.5	
15	Pl2 BPSK	36	22	22.05	22.16	22.07	24.0	0.0	
15	Pl2 BPSK	36	43	21.50	21.58	21.52	23.5	0.5	
15	Pl2 BPSK	75	0	21.51	21.62	21.57	23.5		
15	QPSK	1	1	22.25	22.32	22.27	24.0	0.0	
15	QPSK	1	40	22.25	22.28	22.23	24.0		
15	QPSK	1	77	22.20	22.26	22.18	23.0	1.0	
15	QPSK	36	0	21.17	21.23	21.19	23.0	0.0	
15	QPSK	36	22	22.06	22.18	22.10	24.0	0.0	
15	QPSK	36	43	21.08	21.16	21.07	23.0	1.0	
15	QPSK	75	0	21.10	21.20	21.13	23.0	1.0	
15	16QAM	1	1	21.34	21.43	21.36	23.0	1.0	
15	64QAM	1	1	19.55	19.57	19.52	21.5	2.5	
15	256QAM	1	1	17.52	17.56	17.53	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.19	22.24	22.26	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.20	22.24	22.18	24.0	0.0	

n13_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.39	22.40	22.38	24.0	0.0
10	PQ2 BPSK	1	26	22.18	22.28	22.15		
10	PQ2 BPSK	1	50	22.18	22.20	22.16		
10	PQ2 BPSK	25	0	21.53	21.60	21.57	23.5	0.5
10	PQ2 BPSK	25	14	22.12	22.14	22.06	24.0	0.0
10	PQ2 BPSK	25	27	21.53	21.65	21.56	23.5	0.5
10	PQ2 BPSK	50	0	21.57	21.63	21.52		
10	QPSK	1	1	22.47	22.48	22.43		
10	QPSK	1	26	22.27	22.28	22.24	24.0	0.0
10	QPSK	1	50	22.22	22.23	22.21	23.0	1.0
10	QPSK	25	0	21.13	21.15	21.09		
10	QPSK	25	14	22.13	22.15	22.13		
10	QPSK	25	27	21.08	21.18	21.11	23.0	1.0
10	QPSK	50	0	21.16	21.17	21.08		
10	16QAM	1	1	21.45	21.52	21.47		
10	64QAM	1	1	19.52	19.55	19.50	21.5	2.5
10	256QAM	1	1	17.52	17.54	17.53	19.5	4.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.37	22.45	22.38	24.0	0.0

n13_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.34	22.37	22.34	24.0	0.0
10	PQ2 BPSK	1	26	22.09	22.18	22.12		
10	PQ2 BPSK	1	50	22.13	22.19	22.17		
10	PQ2 BPSK	25	0	21.56	21.56	21.50	23.5	0.5
10	PQ2 BPSK	25	14	22.00	22.06	22.07	24.0	0.0
10	PQ2 BPSK	25	27	21.58	21.69	21.61	23.5	0.5
10	PQ2 BPSK	50	0	21.58	21.56	21.51		
10	QPSK	1	1	22.47	22.43	22.42		
10	QPSK	1	26	22.15	22.24	22.14	24.0	0.0
10	QPSK	1	50	22.14	22.23	22.18	23.0	1.0
10	QPSK	25	0	21.08	21.14	21.09		
10	QPSK	25	14	22.00	22.10	22.11		
10	QPSK	25	27	21.16	21.21	21.15	23.0	1.0
10	QPSK	50	0	21.10	21.15	21.07		
10	16QAM	1	1	21.47	21.48	21.41		
10	64QAM	1	1	19.54	19.54	19.54	21.5	2.5
10	256QAM	1	1	17.54	17.52	17.54	19.5	4.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.40	22.41	22.38	24.0	0.0

n14_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.13	22.16	22.15	24.0	0.0
10	PQ2 BPSK	1	26	22.14	22.23	22.12		
10	PQ2 BPSK	1	50	22.17	22.28	22.22		
10	PQ2 BPSK	25	0	21.56	21.63	21.54	23.5	0.5
10	PQ2 BPSK	25	14	22.08	22.06	22.02	24.0	0.0
10	PQ2 BPSK	25	27	21.56	21.61	21.58	23.5	0.5
10	PQ2 BPSK	50	0	21.58	21.64	21.55		
10	QPSK	1	1	22.22	22.32	22.28		
10	QPSK	1	26	22.15	22.25	22.15	24.0	0.0
10	QPSK	1	50	22.16	22.22	22.16		
10	QPSK	25	0	21.10	21.18	21.09		
10	QPSK	25	14	22.10	22.14	22.07	24.0	0.0
10	QPSK	25	27	21.12	21.13	21.11	23.0	1.0
10	QPSK	50	0	21.14	21.15	21.11		
10	16QAM	1	1	21.32	21.34	21.33		
10	64QAM	1	1	19.62	19.64	19.55	21.5	2.5
10	256QAM	1	1	17.52	17.60	17.57	19.5	4.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.08	22.14	22.10	24.0	0.0

n14_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Frequency (MHz)				793				
10	P12 BPSK	1	1	22.14	22.12	22.07	24.0	0.0
10	P12 BPSK	1	26	22.16	22.14	22.05		
10	P12 BPSK	1	50	22.27	22.37	22.30		
10	P12 BPSK	25	0	21.57	21.59	21.56	23.5	0.5
10	P12 BPSK	25	14	22.09	22.09	22.00	24.0	0.0
10	P12 BPSK	25	27	21.56	21.60	21.56	23.5	0.5
10	P12 BPSK	50	0	21.50	21.59	21.59		
10	QPSK	1	1	22.32	22.38	22.37		
10	QPSK	1	26	22.20	22.24	22.14	24.0	0.0
10	QPSK	1	50	22.16	22.21	22.14	23.0	0.0
10	QPSK	25	0	21.09	21.17	21.12		
10	QPSK	25	14	22.08	22.16	22.10		
10	QPSK	25	27	21.13	21.17	21.16	23.0	1.0
10	QPSK	50	0	21.10	21.16	21.06		
10	16QAM	1	1	21.23	21.25	21.24		
10	64QAM	1	1	19.52	19.54	19.53	21.5	2.5
10	256QAM	1	1	17.56	17.60	17.60	19.5	4.5
Channel				199.190	199.190	199.190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				793.5	793	795.5		
5	QPSK	1	1	22.24	22.37	22.27	24.0	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	375000	376000		
Frequency (MHz)				1870	1862.5	1865		
40	P12 BPSK	1	1	21.27	21.40	21.27	23.0	0.0
40	P12 BPSK	1	108	21.20	21.34	21.35		
40	P12 BPSK	1	214	21.32	21.29	21.29		
40	P12 BPSK	108	0	21.22	21.34	21.37	23.0	0.0
40	P12 BPSK	108	54	21.21	21.39	21.33	23.0	0.0
40	P12 BPSK	108	108	21.29	21.38	21.28	23.0	0.0
40	P12 BPSK	216	0	21.24	21.32	21.30		
40	QPSK	1	1	21.34	21.43	21.39		
40	QPSK	1	108	21.26	21.34	21.37	23.0	0.0
40	QPSK	1	214	21.29	21.28	21.33	23.0	0.0
40	QPSK	108	0	21.30	21.38	21.24		
40	QPSK	108	54	21.32	21.39	21.35		
40	QPSK	108	108	21.21	21.27	21.24	23.0	0.0
40	QPSK	216	0	21.24	21.33	21.30		
40	16QAM	1	1	21.29	21.28	21.38		
40	64QAM	1	1	19.58	19.60	19.51	21.5	0.0
40	256QAM	1	1	17.56	17.66	17.61	19.5	0.0
Channel				375000	376500	376500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1862.5	1865		
35	QPSK	1	1	21.21	21.34	21.38	23.0	0.0
Channel				375000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1862.5 <td>1865</td> <td></td> <td></td>	1865		
30	QPSK	1	1	21.33	21.39	21.27	23.0	0.0
Channel				375000	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1862.5	1862.5		
25	QPSK	1	1	21.27	21.40	21.35	23.0	0.0
Channel				372500	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1862.5	1865		
20	QPSK	1	1	21.24	21.35	21.34	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1862.5	1907.5		
15	QPSK	1	1	21.23	21.34	21.36	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1862.5	1910		
10	QPSK	1	1	21.23	21.30	21.34	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1862.5	1912.5		
5	QPSK	1	1	21.33	21.36	21.24	23.0	0.0

n25_Ant 9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Frequency (MHz)				1865	1862.5	1865		
40	P12 BPSK	1	1	20.35	20.48	20.27	22.0	0.0
40	P12 BPSK	1	108	20.43	20.43	20.28		
40	P12 BPSK	1	214	20.33	20.41	20.31		
40	P12 BPSK	108	0	20.34	20.43	20.36	22.0	0.0
40	P12 BPSK	108	54	20.30	20.45	20.30	22.0	0.0
40	P12 BPSK	108	108	20.41	20.44	20.23	22.0	0.0
40	P12 BPSK	216	0	20.39	20.50	20.31		
40	QPSK	1	1	20.44	20.51	20.38		
40	QPSK	1	108	20.39	20.49	20.27	22.0	0.0
40	QPSK	1	214	20.36	20.41	20.27	22.0	0.0
40	QPSK	108	0	20.38	20.39	20.36		
40	QPSK	108	54	20.42	20.44	20.37		
40	QPSK	108	108	20.39	20.33	20.27	22.0	0.0
40	QPSK	216	0	20.36	20.43	20.36		
40	16QAM	1	1	20.42	20.50	20.35		
40	64QAM	1	1	19.54	19.56	19.52	21.5	0.5
40	256QAM	1	1	17.53	17.56	17.55	19.5	2.0
Channel				376500	376500	376500		
Frequency (MHz)				1865	1862.5	1865	Tune-up (dBm)	MPR (dB)
35	QPSK	1	1	20.29	20.44	20.29	22.0	0.0
Channel				375000	376500	380000		
Frequency (MHz)				1865	1862.5	1865	Tune-up (dBm)	MPR (dB)
30	QPSK	1	1	20.34	20.37	20.34	22.0	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1862.5	1862.5	Tune-up (dBm)	MPR (dB)
25	QPSK	1	1	20.40	20.39	20.34	22.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1862.5	1905	Tune-up (dBm)	MPR (dB)
20	QPSK	1	1	20.39	20.47	20.33	22.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1862.5	1907.5	Tune-up (dBm)	MPR (dB)
15	QPSK	1	1	20.30	20.42	20.31	22.0	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1862.5	1910	Tune-up (dBm)	MPR (dB)
10	QPSK	1	1	20.32	20.41	20.29	22.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1862.5	1912.5	Tune-up (dBm)	MPR (dB)
5	QPSK	1	1	20.36	20.37	20.30	22.0	0.0

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 374500	Power Middle Ch. Freq. 376500	Power High Ch. Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1875	1882.5	1895			
Frequency (MHz)									
40	PQ2 BPSK	1	1	20.28	20.37	20.22			
40	PQ2 BPSK	1	108	20.23	20.29	20.14	22.0	0.0	
40	PQ2 BPSK	1	214	20.23	20.35	20.16			
40	PQ2 BPSK	108	0	20.18	20.34	20.12	22.0	0.0	
40	PQ2 BPSK	108	54	20.28	20.27	20.18	22.0	0.0	
40	PQ2 BPSK	108	108	20.23	20.29	20.14			
40	PQ2 BPSK	216	0	20.23	20.35	20.21	22.0	0.0	
40	QPSK	1	1	20.30	20.38	20.24			
40	QPSK	1	108	20.28	20.30	20.19	22.0	0.0	
40	QPSK	1	214	20.18	20.33	20.19			
40	QPSK	108	0	20.17	20.28	20.08	22.0	0.0	
40	QPSK	108	54	20.24	20.37	20.10	22.0	0.0	
40	QPSK	108	108	20.23	20.22	20.10			
40	QPSK	216	0	20.20	20.32	20.14	22.0	0.0	
40	16QAM	1	1	20.23	20.25	20.11	22.0	0.0	
40	64QAM	1	1	19.56	19.50	19.56	21.5	0.5	
40	256QAM	1	1	17.59	17.60	17.55	19.5	2.5	
Channel				372500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	20.30	20.32	20.21	22.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.22	20.30	20.13	22.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	20.29	20.37	20.15	22.0	0.0	
Channel				372200	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	20.19	20.35	20.20	22.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	20.31	20.35	20.22	22.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1892.5	1910			
10	QPSK	1	1	20.14	20.31	20.21	22.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	20.30	20.26	20.19	22.0	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 164800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	PQ2 BPSK	1	1	22.12	22.24	22.11			
20	PQ2 BPSK	1	53	22.23	22.24	22.24	24.0	0.0	
20	PQ2 BPSK	1	104	22.23	22.20	22.21			
20	PQ2 BPSK	50	0	21.58	21.57	21.52	23.5	0.5	
20	PQ2 BPSK	50	28	22.05	22.14	22.09	24.0	0.0	
20	PQ2 BPSK	50	56	21.52	21.58	21.53			
20	PQ2 BPSK	100	0	21.59	21.56	21.57	23.5	0.5	
20	QPSK	1	1	22.28	22.37	22.31			
20	QPSK	1	53	22.20	22.28	22.18	24.0	0.0	
20	QPSK	1	104	22.27	22.29	22.28			
20	QPSK	50	0	21.09	21.17	21.12	23.0	1.0	
20	QPSK	50	28	22.08	22.15	22.10	24.0	0.0	
20	QPSK	50	56	21.05	21.15	21.08			
20	QPSK	100	0	21.13	21.18	21.10	23.0	1.0	
20	16QAM	1	1	21.41	21.43	21.35	23.0	1.0	
20	64QAM	1	1	19.63	19.68	19.58	21.5	2.5	
20	256QAM	1	1	17.59	17.69	17.62	19.5	4.5	
Channel				164300	166500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.22	22.27	22.21	24.0	0.0	
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.27	22.28	22.21	24.0	0.0	
Channel				163300	166500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.26	22.25	22.29	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 164800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	PQ2 BPSK	1	1	22.37	22.40	22.39			
20	PQ2 BPSK	1	53	22.41	22.39	22.45	24.0	0.0	
20	PQ2 BPSK	1	104	22.35	22.38	22.32			
20	PQ2 BPSK	50	0	21.70	21.74	21.71	23.5	0.5	
20	PQ2 BPSK	50	28	22.15	22.30	22.12	24.0	0.0	
20	PQ2 BPSK	50	56	21.65	21.77	21.68			
20	PQ2 BPSK	100	0	21.63	21.79	21.63	23.5	0.5	
20	QPSK	1	1	22.48	22.51	22.47			
20	QPSK	1	53	22.46	22.48	22.41	24.0	0.0	
20	QPSK	1	104	22.43	22.46	22.42			
20	QPSK	50	0	21.29	21.31	21.28	23.0	1.0	
20	QPSK	50	28	22.28	22.31	22.22	24.0	0.0	
20	QPSK	50	56	21.22	21.32	21.24			
20	QPSK	100	0	21.25	21.38	21.28	23.0	1.0	
20	16QAM	1	1	21.41	21.51	21.45	23.0	1.0	
20	64QAM	1	1	19.63	19.60	19.52	21.5	2.5	
20	256QAM	1	1	17.59	17.59	17.58	19.5	4.5	
Channel				164300	166500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
15	QPSK	1	1	22.38	22.44	22.37	24.0	0.0	
Channel				163800	166500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.46	22.48	22.43	24.0	0.0	
Channel				163300	166500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.47	22.48	22.41	24.0	0.0	

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				462000	462000		MPR (dB)
Frequency (MHz)				2310			
10	PQ2 BPSK	1	1	20.82			22.5
10	PQ2 BPSK	1	26	20.73			
10	PQ2 BPSK	1	50	20.76			
10	PQ2 BPSK	25	0	20.76			22.5
10	PQ2 BPSK	25	14	20.83			0.0
10	PQ2 BPSK	25	27	20.72			22.5
10	PQ2 BPSK	50	0	20.74			
10	QPSK	1	1	20.87			
10	QPSK	1	26	20.73			22.5
10	QPSK	1	50	20.76			22.5
10	QPSK	25	0	20.79			
10	QPSK	25	14	20.80			
10	QPSK	25	27	20.82			22.5
10	QPSK	50	0	20.76			0.0
10	16QAM	1	1	20.73			22.5
10	64QAM	1	1	19.59			21.5
10	256QAM	1	1	17.60			19.5
Channel				461500	462000	462500	Tune-up limit (dB)
Frequency (MHz)				2307.5	2310	2312.5	MPR (dB)
5	QPSK	1	1	20.85	20.84	20.68	22.5

n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				462000	462000		MPR (dB)
Frequency (MHz)				2310			
10	PQ2 BPSK	1	1	17.36			19.0
10	PQ2 BPSK	1	26	17.39			
10	PQ2 BPSK	1	50	17.31			
10	PQ2 BPSK	25	0	17.36			19.0
10	PQ2 BPSK	25	14	17.32			0.0
10	PQ2 BPSK	25	27	17.37			19.0
10	PQ2 BPSK	50	0	17.32			
10	QPSK	1	1	17.47			
10	QPSK	1	26	17.35			19.0
10	QPSK	1	50	17.33			19.0
10	QPSK	25	0	17.28			
10	QPSK	25	14	17.38			
10	QPSK	25	27	17.33			19.0
10	QPSK	50	0	17.36			0.0
10	16QAM	1	1	17.39			19.0
10	64QAM	1	1	17.34			19.0
10	256QAM	1	1	17.30			18.0
Channel				461500	462000	462500	Tune-up limit (dB)
Frequency (MHz)				2307.5	2310	2312.5	MPR (dB)
5	QPSK	1	1	17.24	17.28	17.13	19.0

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	346500	351500	MPR (dB)
Frequency (MHz)				1732.5	1745	1757.5	
45	PQ2 BPSK	1	1	20.73	20.71	20.72	22.5
45	PQ2 BPSK	1	122	20.75	20.72	20.65	
45	PQ2 BPSK	1	240	20.72	20.80	20.66	
45	PQ2 BPSK	120	0	20.68	20.82	20.75	22.5
45	PQ2 BPSK	120	60	20.71	20.75	20.70	0.0
45	PQ2 BPSK	120	122	20.79	20.81	20.74	22.5
45	PQ2 BPSK	240	0	20.79	20.69	20.68	
45	QPSK	1	1	20.87	20.83	20.78	
45	QPSK	1	122	20.79	20.72	20.77	22.5
45	QPSK	1	240	20.66	20.68	20.68	22.5
45	QPSK	120	0	20.66	20.70	20.64	
45	QPSK	120	60	20.74	20.76	20.73	
45	QPSK	120	122	20.73	20.72	20.72	22.5
45	QPSK	240	0	20.73	20.74	20.71	0.0
45	16QAM	1	1	20.75	20.77	20.69	22.5
45	64QAM	1	1	19.52	19.53	19.51	21.5
45	256QAM	1	1	17.62	17.67	17.62	19.5
Channel				346500	346500	352000	Tune-up limit (dB)
Frequency (MHz)				1730	1745	1760	MPR (dB)
40	QPSK	1	1	20.72	20.82	20.64	22.5
Channel				345500	346000	352000	Tune-up limit (dB)
Frequency (MHz)				1722.5	1745	1762.5	MPR (dB)
35	QPSK	1	1	20.65	20.80	20.75	22.5
Channel				345000	346000	353000	Tune-up limit (dB)
Frequency (MHz)				1725	1745	1765	MPR (dB)
30	QPSK	1	1	20.67	20.81	20.67	22.5
Channel				344500	345500	353000	Tune-up limit (dB)
Frequency (MHz)				1722.5	1745	1767.5	MPR (dB)
25	QPSK	1	1	20.76	20.77	20.67	22.5
Channel				344000	345000	354000	Tune-up limit (dB)
Frequency (MHz)				1725	1745	1770	MPR (dB)
20	QPSK	1	1	20.73	20.70	20.75	22.5
Channel				343500	346000	354000	Tune-up limit (dB)
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)
15	QPSK	1	1	20.67	20.69	20.64	22.5
Channel				343000	346000	355000	Tune-up limit (dB)
Frequency (MHz)				1715	1745	1775	MPR (dB)
10	QPSK	1	1	20.74	20.75	20.67	22.5
Channel				342500	345500	355000	Tune-up limit (dB)
Frequency (MHz)				1712.5	1745	1777.5	MPR (dB)
5	QPSK	1	1	20.75	20.75	20.76	22.5

n66_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1742.5	1745	1757.5			
Frequency (MHz)				1742.5	1745	1757.5			
45	P12 BPSK	1	1	20.78	20.94	20.88			
45	P12 BPSK	1	122	20.81	20.87	20.83	22.5	0.0	
45	P12 BPSK	1	240	20.81	20.88	20.87			
45	P12 BPSK	120	0	20.85	20.87	20.83	22.5	0.0	
45	P12 BPSK	120	60	20.85	20.86	20.84	22.5	0.0	
45	P12 BPSK	120	122	20.86	20.97	20.86			
45	P12 BPSK	240	0	20.89	20.86	20.81	22.5	0.0	
45	QPSK	1	1	20.90	20.90	20.90			
45	QPSK	1	122	20.88	20.96	20.92	22.5	0.0	
45	QPSK	1	240	20.86	20.92	20.88			
45	QPSK	120	0	20.72	20.86	20.83	22.5	0.0	
45	QPSK	120	60	20.82	20.98	20.90	22.5	0.0	
45	QPSK	120	122	20.88	20.92	20.88			
45	QPSK	240	0	20.77	20.95	20.87	22.5	0.0	
45	16QAM	1	1	20.77	20.95	20.85	22.5	0.0	
45	64QAM	1	1	19.69	19.72	19.71	21.5	1.0	
45	256QAM	1	1	17.65	17.66	17.56	19.5	3.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	20.83	20.95	20.87	22.5	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	20.85	20.90	20.86	22.5	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.80	20.86	20.88	22.5	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	20.75	20.88	20.92	22.5	0.0	
Channel				344000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.84	20.92	20.95	22.5	0.0	
Channel				343500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.82	20.89	20.90	22.5	0.0	
Channel				343000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.80	20.97	20.85	22.5	0.0	
Channel				342500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.75	20.92	20.85	22.5	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1742.5	1745	1757.5			
Frequency (MHz)				1742.5	1745	1757.5			
45	P12 BPSK	1	1	19.38	19.37	19.22			
45	P12 BPSK	1	122	19.30	19.32	19.22	21.0	0.0	
45	P12 BPSK	1	240	19.36	19.32	19.21			
45	P12 BPSK	120	0	19.28	19.34	19.25	21.0	0.0	
45	P12 BPSK	120	60	19.25	19.32	19.31	21.0	0.0	
45	P12 BPSK	120	122	19.26	19.31	19.23			
45	P12 BPSK	240	0	19.29	19.30	19.24	21.0	0.0	
45	QPSK	1	1	19.30	19.40	19.34			
45	QPSK	1	122	19.36	19.35	19.27	21.0	0.0	
45	QPSK	1	240	19.29	19.36	19.22			
45	QPSK	120	0	19.31	19.25	19.19	21.0	0.0	
45	QPSK	120	60	19.33	19.39	19.30	21.0	0.0	
45	QPSK	120	122	19.20	19.34	19.18			
45	QPSK	240	0	19.26	19.37	19.28	21.0	0.0	
45	16QAM	1	1	19.35	19.29	19.24	21.0	0.0	
45	64QAM	1	1	19.30	19.27	19.32	21.0	0.0	
45	256QAM	1	1	17.52	17.59	17.55	19.5	1.5	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	1	19.36	19.25	19.26	21.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	19.35	19.27	19.30	21.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.32	19.36	19.22	21.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	19.36	19.27	19.25	21.0	0.0	
Channel				344000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.38	19.29	19.25	21.0	0.0	
Channel				343500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.32	19.35	19.25	21.0	0.0	
Channel				343000	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.26	19.32	19.32	21.0	0.0	
Channel				342500	345000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.31	19.31	19.29	21.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1702.5					
Frequency (MHz)				1702.5					
15	P12 BPSK	1	1						
15	P12 BPSK	1	40				23.5	0.0	
15	P12 BPSK	1	77						
15	P12 BPSK	36	0				23.5	0.0	
15	P12 BPSK	36	22				23.5	0.0	
15	P12 BPSK	36	43				21.85		
15	P12 BPSK	75	0				22.40		
15	QPSK	1	1						
15	QPSK	1	40				22.29		
15	QPSK	1	77				22.27		
15	QPSK	36	0				21.74		
15	QPSK	36	22				22.34		
15	QPSK	36	43				21.42		
15	QPSK	75	0				21.98		
15	16QAM	1	1				21.98		
15	64QAM	1	1				19.97		
15	256QAM	1	1				18.63		
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.32	22.34	22.36	23.5	0.0	
Channel				339500	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.33	22.31	22.35	23.5	0.0	

n70_Ant 9								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	21.55	21.55		22.5	0.0
15	PV2 BPSK	1	40	21.56	21.56			
15	PV2 BPSK	1	77	21.52	21.52			
15	PV2 BPSK	36	0	21.61	21.61		22.5	0.0
15	PV2 BPSK	36	22	21.56	21.56		22.5	0.0
15	PV2 BPSK	36	43	21.62	21.62		22.5	0.0
15	PV2 BPSK	75	0	21.51	21.51			
15	QPSK	1	1	21.66	21.66			
15	QPSK	1	40	21.51	21.51		22.5	0.0
15	QPSK	1	77	21.56	21.56		22.5	0.0
15	QPSK	36	0	21.56	21.56			
15	QPSK	36	22	21.58	21.58			
15	QPSK	36	43	21.52	21.52		22.5	0.0
15	QPSK	75	0	21.65	21.65		22.5	0.0
15	16QAM	1	1	21.54	21.54			
15	64QAM	1	1	20.22	20.22			
15	256QAM	1	1	18.26	18.26		19.5	3.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.53	21.63	21.61	22.5	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.59	21.62	21.53	22.5	0.0

n70_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	21.47	21.47		22.5	0.0
15	PV2 BPSK	1	40	21.51	21.51			
15	PV2 BPSK	1	77	21.40	21.40			
15	PV2 BPSK	36	0	21.47	21.47		22.5	0.0
15	PV2 BPSK	36	22	21.43	21.43		22.5	0.0
15	PV2 BPSK	36	43	21.45	21.45		22.5	0.0
15	PV2 BPSK	75	0	21.47	21.47			
15	QPSK	1	1	21.55	21.55			
15	QPSK	1	40	21.45	21.45		22.5	0.0
15	QPSK	1	77	21.46	21.46		22.5	0.0
15	QPSK	36	0	21.39	21.39			
15	QPSK	36	22	21.51	21.51			
15	QPSK	36	43	21.41	21.41		22.5	0.0
15	QPSK	75	0	21.50	21.50		22.5	0.0
15	16QAM	1	1	21.45	21.45			
15	64QAM	1	1	20.06	20.06			
15	256QAM	1	1	18.16	18.16		19.5	3.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.43	21.47	21.46	22.5	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.41	21.48	21.42	22.5	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				1360.5				
Frequency (MHz)				1360.5				
35	PV2 BPSK	1	1	22.27	22.27		24.0	0.0
35	PV2 BPSK	1	80	22.24	22.24			
35	PV2 BPSK	1	166	22.25	22.25			
35	PV2 BPSK	90	0	21.67	21.67		23.5	0.5
35	PV2 BPSK	90	45	22.12	22.12		24.0	0.0
35	PV2 BPSK	90	90	21.56	21.56		23.5	0.5
35	PV2 BPSK	180	0	21.51	21.51			
35	QPSK	1	1	22.32	22.32			
35	QPSK	1	80	22.28	22.28		24.0	0.0
35	QPSK	1	166	22.31	22.31			
35	QPSK	90	0	21.23	21.23			
35	QPSK	90	45	22.21	22.21		23.0	1.0
35	QPSK	90	90	21.11	21.11		23.0	1.0
35	QPSK	180	0	21.06	21.06			
35	16QAM	1	1	21.56	21.56			
35	64QAM	1	1	19.70	19.70		21.5	2.5
35	256QAM	1	1	17.67	17.67		19.5	4.5
Channel				135600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	22.22	22.30	22.17	24.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.27	22.22	22.21	24.0	0.0
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	22.26	22.23	22.22	24.0	0.0
Channel				134100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.15	22.23	22.08	24.0	0.0
Channel				133000	136100	139500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.07	22.20	22.06	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.13	22.15	22.09	24.0	0.0

n71_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq 150 100	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					680.5			
Frequency (MHz)					22.28			
35	PI2 BPSK	1	1		22.28		24.0	0.0
35	PI2 BPSK	1	90		22.28			
35	PI2 BPSK	1	186		22.26			
35	PI2 BPSK	90	0		21.73		23.5	0.5
35	PI2 BPSK	90	45		22.18		24.0	0.0
35	PI2 BPSK	90	90		21.70		23.5	0.5
35	PI2 BPSK	180	0		21.77			
35	QPSK	1	1		22.33			
35	QPSK	1	90		22.30		24.0	0.0
35	QPSK	1	186		22.28			
35	QPSK	90	0		21.30		23.0	1.0
35	QPSK	90	45		22.28		24.0	0.0
35	QPSK	90	90		21.29		23.0	1.0
35	QPSK	180	0		21.40			
35	16QAM	1	1		21.48		23.0	1.0
35	64QAM	1	1		19.68		21.5	2.5
35	256QAM	1	1		17.62		19.5	4.5
Channel				135600	136 100	136600	Tune-up limit	MPR
Frequency (MHz)				678	680.5	683	68m	(dB)
30	QPSK	1	1	22.18	22.32	22.22	24.0	0.0
Channel				136 100	136 100	137 100	Tune-up limit	MPR
Frequency (MHz)				675.5	680.5	685.5	(dBm)	(dB)
25	QPSK	1	1	22.28	22.23	22.19	24.0	0.0
Channel				136600	136 100	137600	Tune-up limit	MPR
Frequency (MHz)				673	680.5	688	(dBm)	(dB)
20	QPSK	1	1	22.25	22.28	22.23	24.0	0.0
Channel				133 100	133 100	133 100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	680.5	(dBm)	(dB)
15	QPSK	1	1	22.20	22.22	22.22	24.0	0.0
Channel				133600	136 100	136600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	689	(dBm)	(dB)
10	QPSK	1	1	22.28	22.18	22.32	24.0	0.0
Channel				133 100	136 100	138 100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	22.23	22.21	22.30	24.0	0.0

n38_Ant 2									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	519996			
				2590.02	2595	2599.98			
40	PQ2 BPSK	1	1	20.24	20.40	20.16			
40	PQ2 BPSK	1	53	20.27	20.38	20.20	22.0		0.0
40	PQ2 BPSK	1	104	20.29	20.39	20.26			
40	PQ2 BPSK	50	0	20.20	20.37	20.26	22.0		0.0
40	PQ2 BPSK	50	28	20.33	20.38	20.22	22.0		0.0
40	PQ2 BPSK	50	56	20.29	20.40	20.26			
40	PQ2 BPSK	100	0	20.28	20.36	20.27	22.0		0.0
40	QPSK	1	1	20.35	20.44	20.31			
40	QPSK	1	53	20.30	20.37	20.28	22.0		0.0
40	QPSK	1	104	20.22	20.35	20.20			
40	QPSK	50	0	20.17	20.39	20.09			
40	QPSK	50	28	20.26	20.43	20.23	22.0		0.0
40	QPSK	50	56	20.23	20.36	20.16			
40	QPSK	100	0	20.27	20.35	20.15	22.0		0.0
40	16QAM	1	1	20.26	20.35	20.28	22.0		0.0
40	64QAM	1	1	19.65	19.67	19.64	21.5		0.5
40	256QAM	1	1	17.66	17.65	17.62	19.5		2.5
Channel									
Frequency (MHz)				517002	519000	520998			
				2595.01	2595	2604.99			
30	QPSK	1	1	20.25	20.30	20.24	22.0		0.0
Channel									
Frequency (MHz)				518004	519000	521498			
				2592.52	2595	2607.48			
25	QPSK	1	1	20.24	20.33	20.26	22.0		0.0
Channel									
Frequency (MHz)				515002	518000	522498			
				2580	2595	2610			
20	QPSK	1	1	20.31	20.37	20.21	22.0		0.0
Channel									
Frequency (MHz)				515002	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	20.28	20.32	20.18	22.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	20.21	20.40	20.20	22.0		0.0

n38_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2590.02	2595	2599.98			
40	PQ2 BPSK	1	1	20.71	20.95	20.91			
40	PQ2 BPSK	1	53	20.80	20.98	20.89	22.5	0.0	
40	PQ2 BPSK	1	104	20.80	20.97	20.85			
40	PQ2 BPSK	50	0	20.78	20.89	20.81	22.5	0.0	
40	PQ2 BPSK	50	28	20.74	20.91	20.88	22.5	0.0	
40	PQ2 BPSK	50	56	20.76	20.85	20.91			
40	PQ2 BPSK	100	0	20.74	20.98	20.90	22.5	0.0	
40	QPSK	1	1	20.82	20.99	20.95			
40	QPSK	1	53	20.78	20.90	20.82	22.5	0.0	
40	QPSK	1	104	20.73	20.91	20.89			
40	QPSK	50	0	20.76	20.86	20.79			
40	QPSK	50	28	20.77	20.97	20.92	22.5	0.0	
40	QPSK	50	56	20.65	20.82	20.81			
40	QPSK	100	0	20.72	20.91	20.91	22.5	0.0	
40	16QAM	1	1	20.89	20.94	20.94	22.5	0.0	
40	64QAM	1	1	19.64	19.73	19.71	21.5	1.0	
40	256QAM	1	1	17.65	17.72	17.64	19.5	3.0	
Channel									
Frequency (MHz)				517002	519000	520998			
				2595.01	2595	2604.99			
30	QPSK	1	1	20.76	20.86	20.91	22.5	0.0	
Channel									
Frequency (MHz)				518004	519000	521498			
				2592.52	2595	2607.48			
25	QPSK	1	1	20.73	20.87	20.82	22.5	0.0	
Channel									
Frequency (MHz)				515002	518000	522498			
				2580	2595	2610			
20	QPSK	1	1	20.69	20.96	20.85	22.5	0.0	
Channel									
Frequency (MHz)				515002	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	20.73	20.87	20.89	22.5	0.0	
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	20.74	20.87	20.90	22.5	0.0	

n38_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)				518004	519000	519996			
				2590.02	2595	2599.98			
40	Pl/2 BPSK	1	1	16.83	16.89	16.77			
40	Pl/2 BPSK	1	53	16.85	16.81	16.77	18.5		0.0
40	Pl/2 BPSK	1	104	16.83	16.84	16.80	18.5		0.0
40	Pl/2 BPSK	50	0	16.76	16.91	16.74	18.5		0.0
40	Pl/2 BPSK	50	28	16.76	16.92	16.73	18.5		0.0
40	Pl/2 BPSK	50	56	16.77	16.82	16.73			
40	Pl/2 BPSK	100	0	16.89	16.84	16.78	18.5		0.0
40	QPSK	1	1	16.90	16.95	16.97			
40	QPSK	1	53	16.76	16.87	16.76			
40	QPSK	1	104	16.79	16.86	16.82	18.5		0.0
40	QPSK	50	0	16.74	16.89	16.72			
40	QPSK	50	28	16.82	16.93	16.81	18.5		0.0
40	QPSK	50	56	16.77	16.83	16.80			
40	QPSK	100	0	16.76	16.90	16.73	18.5		0.0
40	16QAM	1	1	16.80	16.86	16.86	18.5		0.0
40	64QAM	1	1	16.87	16.88	16.90	18.5		0.0
40	256QAM	1	1	16.77	16.83	16.82	18.5		0.0
Channel									
Frequency (MHz)				517002	519000	520998			
				2595.01	2595	2604.99			
30	QPSK	1	1	16.75	16.93	16.77	18.5		0.0
Channel									
Frequency (MHz)				518004	519000	521498			
				2592.52	2595	2607.48			
25	QPSK	1	1	16.84	16.83	16.85	18.5		0.0
Channel									
Frequency (MHz)				515002	519000	522498			
				2580	2595	2610			
20	QPSK	1	1	16.76	16.93	16.74	18.5		0.0
Channel									
Frequency (MHz)				515002	519000	522498			
				2577.51	2595	2612.49			
15	QPSK	1	1	16.76	16.82	16.73	18.5		0.0
Channel									
Frequency (MHz)				518004	519000	522998			
				2575.02	2595	2614.98			
10	QPSK	1	1	16.76	16.85	16.77	18.5		0.0

FCC_n41_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2566.02	2562.99	2560.00				
100	PI2 BPSK	1	1	21.02	21.03	21.09				
100	PI2 BPSK	1	137	20.93	21.08	20.96	22.5	0.0		
100	PI2 BPSK	1	271	20.96	21.02	21.05				
100	PI2 BPSK	135	0	20.99	21.13	21.02	22.5	0.0		
100	PI2 BPSK	135	69	21.02	21.13	21.02	22.5	0.0		
100	PI2 BPSK	135	138	21.02	21.15	21.05				
100	PI2 BPSK	270	0	20.97	21.03	21.04	22.5	0.0		
100	QPSK	1	1	21.05	21.17	21.11				
100	QPSK	1	137	20.97	21.11	20.96	22.5	0.0		
100	QPSK	1	271	20.97	21.16	21.10				
100	QPSK	135	0	20.96	21.07	20.98				
100	QPSK	135	69	20.96	21.10	21.04	22.5	0.0		
100	QPSK	135	138	20.92	21.00	20.93				
100	QPSK	270	0	20.92	21.05	20.98	22.5	0.0		
100	16QAM	1	1	20.96	21.13	21.02	22.5	0.0		
100	64QAM	1	1	19.91	19.97	19.94	21.5	1.0		
100	256QAM	1	1	17.83	17.94	17.79	19.5	3.0		
Channel										
Frequency (MHz)				2541	2539.99	2544.58				
80	QPSK	1	1	21.04	21.04	20.99	22.5	0.0		
Channel										
Frequency (MHz)				2572.24	2569.98	2569.98	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	21.04	21.07	21.01	22.5	0.0		
Channel										
Frequency (MHz)				2562.02	2558.98	2551.00	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	20.99	21.08	21.04	22.5	0.0		
Channel										
Frequency (MHz)				2570.56	2568.98	2565.58	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	21.02	21.05	21.02	22.5	0.0		
Channel										
Frequency (MHz)				2564.54	2559.98	2559.98	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	21.05	21.04	20.98	22.5	0.0		
Channel										
Frequency (MHz)				2563.70	2558.98	2553.46	Tune-up limit (dBm)	MPR (dB)		
45	QPSK	1	1	20.93	21.16	21.06	22.5	0.0		
Channel										
Frequency (MHz)				2552.01	2548.98	2543.50	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	21.02	21.03	21.02	22.5	0.0		
Channel										
Frequency (MHz)				2535.32	2529.98	2524.29	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	21.05	21.13	20.98	22.5	0.0		
Channel										
Frequency (MHz)				2522.00	2515.98	2514.96	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	20.92	21.09	21.04	22.5	0.0		
30	QPSK	1	1	21.02	21.10	21.09	22.5	0.0		
Channel										
Frequency (MHz)				2607.02	2598.98	2585.00	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	22.08	22.02	22.07				
Channel										
Frequency (MHz)				2532.04	2528.98	2527.55	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	20.93	21.15	21.06	22.5	0.0		
Channel										
Frequency (MHz)				2507.06	2500.98	2499.48	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	21.03	21.02	21.06	22.5	0.0		
Channel										
Frequency (MHz)				2560.02	2558.98	2557.00	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	21.02	21.02	21.08	22.5	0.0		

FCC_n41(HPUe)_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	2560.02	2560.198	2560.0				
100	Pi/2 BPSK	1	137	24.24	24.37	24.35	25.5	0.0		
100	Pi/2 BPSK	1	271	24.15	24.28	24.33				
100	Pi/2 BPSK	135	0	24.14	24.35	24.36	25.5	0.0		
100	Pi/2 BPSK	135	69	24.19	24.37	24.37	25.5	0.0		
100	Pi/2 BPSK	135	138	24.22	24.30	24.35				
100	Pi/2 BPSK	270	0	24.22	24.27	24.29	25.5	0.0		
100	QPSK	1	1	25.28	26.41	25.38				
100	QPSK	1	137	24.13	24.32	24.24	25.5	0.0		
100	QPSK	1	271	24.22	24.27	24.30				
100	QPSK	135	0	24.22	24.35	24.24				
100	QPSK	135	69	24.16	24.35	24.37	25.5	0.0		
100	QPSK	135	138	24.12	24.32	24.31				
100	QPSK	270	0	24.19	24.38	24.29	25.5	0.0		
100	16QAM	1	1	24.14	24.30	24.30	25.5	0.0		
100	64QAM	1	1	23.02	23.10	23.05	24.5	1.0		
100	256QAM	1	1	21.10	21.16	21.07	22.5	3.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	2541	2562.99	2564.88				
90	QPSK	1	1	24.25	24.29	24.27	25.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	2507.04	2518.98	2520.98				
80	QPSK	1	1	2552.99	2564.89	2566.89	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	24.21	24.39	24.27	25.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	2506.02	2518.98	2521.00	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	2531.01	2552.99	2555				
70	QPSK	1	1	2552.99	2564.89	2566.89	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	2506	2562.99	2565.98				
60	QPSK	1	1	24.14	24.27	24.33	25.5	0.0		
60	QPSK	1	1	24.14	24.28	24.33				
60	QPSK	1	1	24.15	24.30	24.35	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		
60	QPSK	1	1	24.15	24.40	24.30	25.5	0.0		

FCC_n41_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	17.13	17.07	17.07				
100	Pi/2 BPSK	1	137	17.06	17.09	17.04	18.5	0.0		
100	Pi/2 BPSK	1	271	17.17	17.06	17.01				
100	Pi/2 BPSK	135	0	17.05	17.05	17.08	18.5	0.0		
100	Pi/2 BPSK	135	69	17.06	17.10	16.98	18.5	0.0		
100	Pi/2 BPSK	135	138	17.12	17.11	17.03	18.5	0.0		
100	Pi/2 BPSK	270	0	17.05	17.17	17.12				
100	QPSK	1	1	17.18	17.29	17.13				
100	QPSK	1	137	17.05	17.12	17.03	18.5	0.0		
100	QPSK	1	271	17.05	17.10	16.98				
100	QPSK	135	0	16.99	17.12	17.00				
100	QPSK	135	69	17.10	17.16	17.12	18.5	0.0		
100	QPSK	135	138	17.04	17.10	16.98				
100	QPSK	270	0	17.03	17.13	17.10	18.5	0.0		
100	16QAM	1	1	17.09	17.10	17.08	18.5	0.0		
100	64QAM	1	1	17.15	17.15	17.03	18.5	0.0		
100	256QAM	1	1	17.12	17.16	17.01	18.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.21	16.98	16.99				
90	QPSK	1	1	17.09	17.17	17.04	18.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.04	16.99	16.98				
80	QPSK	1	1	17.04	17.19	17.01	18.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.03	17.07	17.01				
70	QPSK	1	1	17.03	16.98	16.96	18.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.13	17.16	17.06	18.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.16	17.19	17.08	18.5	0.0		
Channel										
Frequency (MHz)										
45	QPSK	1	1	17.04	17.15	17.08	18.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.04	17.10	17.02	18.5	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	17.16	17.05	17.06	18.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.15	17.08	17.09	18.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.17	17.11	17.06	18.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.15	17.16	17.04	18.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.12	17.12	17.01	18.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.15	17.17	17.01	18.5	0.0		

FCC_n41(HPUE)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	20.21	20.25	20.30			
100	P12 BPSK	1	137	20.22	20.29	20.24	21.5	0.0	
100	P12 BPSK	1	271	20.26	20.30	20.17			
100	P12 BPSK	135	0	20.14	20.37	20.19	21.5	0.0	
100	P12 BPSK	135	69	20.22	20.34	20.22	21.5	0.0	
100	P12 BPSK	135	138	20.22	20.29	20.22	21.5	0.0	
100	P12 BPSK	270	0	20.15	20.37	20.20			
100	QPSK	1	1	20.25	20.38	20.32			
100	QPSK	1	137	20.15	20.24	20.28	21.5	0.0	
100	QPSK	1	271	20.21	20.27	20.24			
100	QPSK	135	0	20.14	20.19	20.22			
100	QPSK	135	69	20.22	20.31	20.25	21.5	0.0	
100	QPSK	135	138	20.14	20.19	20.21			
100	QPSK	270	0	20.16	20.24	20.22	21.5	0.0	
100	16QAM	1	1	20.22	20.31	20.28	21.5	0.0	
100	64QAM	1	1	20.27	20.37	20.30	21.5	0.0	
100	256QAM	1	1	20.17	20.26	20.31	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.20	20.29	20.24	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.19	20.37	20.20	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.24	20.25	20.27	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.21	20.35	20.19	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.21	20.34	20.31	21.5	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	20.17	20.34	20.24	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.25	20.35	20.18	21.5	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.24	20.31	20.19	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.20	20.30	20.17	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.23	20.34	20.28	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.23	20.28	20.31	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.23	20.31	20.27	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.27	20.28	20.29	21.5	0.0	

FCC_n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./ Freq.	Power Mid. Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.49	22.65	22.53			
100	P12 BPSK	1	137	22.42	22.52	22.43	24.0	0.0	
100	P12 BPSK	1	271	22.44	22.48	22.42			
100	P12 BPSK	135	0	21.71	21.70	21.58	23.5	0.5	
100	P12 BPSK	135	69	22.38	22.45	22.50	24.0	0.0	
100	P12 BPSK	135	138	21.29	21.36	21.35	23.5	0.5	
100	P12 BPSK	270	0	21.41	21.51	21.48			
100	QPSK	1	1	22.55	22.71	22.61			
100	QPSK	1	137	22.50	22.58	22.48	24.0	0.0	
100	QPSK	1	271	22.47	22.57	22.52			
100	QPSK	135	0	21.70	21.73	21.67			
100	QPSK	135	69	22.52	22.62	22.55	24.0	0.0	
100	QPSK	135	138	21.25	21.30	21.29			
100	16QAM	1	1	21.58	21.62	21.60	23.0	1.0	
100	64QAM	1	1	19.84	19.86	19.79	21.5	2.5	
100	256QAM	1	1	17.79	17.85	17.87	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.56	22.62	22.60	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.48	22.70	22.52	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.50	22.68	22.55	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.50	22.69	22.57	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.49	22.68	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	22.48	22.61	22.56	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.50	22.61	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.53	22.70	22.55	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.55	22.61	22.52	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.57	22.69	22.60	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.50	22.63	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.52	22.66	22.58	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.52	22.67	22.57	24.0	0.0	

FCC_n41(HPUE)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	506022	518698	520600			
100	P12 BPSK	1	137	25.47	25.57	25.62			
100	P12 BPSK	1	271	25.48	25.52	25.51	27.0	0.0	
100	P12 BPSK	135	0	24.72	24.74	24.68	26.5	0.5	
100	P12 BPSK	135	69	25.47	25.55	25.54	27.0	0.0	
100	P12 BPSK	135	138	24.32	24.40	24.39	26.5	0.5	
100	P12 BPSK	270	0	24.50	24.55	24.50			
100	QPSK	1	1	25.55	25.75	25.70			
100	QPSK	1	137	25.54	25.61	25.52	27.0	0.0	
100	QPSK	1	271	25.56	25.59	25.58			
100	QPSK	135	0	24.78	24.79	24.74	27.0	0.0	
100	QPSK	135	69	25.01	25.56	25.54			
100	QPSK	135	138	24.36	24.44	24.41	27.0	0.0	
100	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
100	16QAM	1	1	25.59	25.69	25.68			
100	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
100	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51	25.62	25.64			
50	QPSK	1	137	25.58	25.64	25.61	27.0	0.0	
50	QPSK	1	271	25.59	25.63	25.62			
50	QPSK	135	0	25.02	25.52	25.50			
50	QPSK	135	69	25.03	25.52	25.51			
50	QPSK	135	138	24.36	24.44	24.41			
50	QPSK	270	0	24.62	24.63	24.54	26.0	1.0	
50	16QAM	1	1	25.59	25.69	25.68			
50	64QAM	1	1	22.87	22.94	22.88	24.5	2.5	
50	256QAM	1	1	20.86	20.93	20.87	22.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506200	518696	520996			
50	QPSK	1	1	25.51					

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (63800)	Power Middle Ch. / Freq. (64166)	Power High Ch. / Freq. (64532)	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	17.25	17.35	17.23	19.0	0.0			
40	PI2 BPSK	1	53	17.26	17.42	17.24					
40	PI2 BPSK	1	104	17.33	17.46	17.22					
40	PI2 BPSK	50	0	17.21	17.46	17.34	19.0	0.0			
40	PI2 BPSK	50	28	17.26	17.36	17.22	19.0	0.0			
40	PI2 BPSK	50	56	17.26	17.37	17.31	19.0	0.0			
40	PI2 BPSK	100	0	17.29	17.48	17.23	19.0	0.0			
40	QPSK	1	1	17.35	17.45	17.37					
40	QPSK	1	53	17.23	17.37	17.36					
40	QPSK	1	104	17.34	17.38	17.29	19.0	0.0			
40	QPSK	50	0	17.20	17.34	17.20					
40	QPSK	50	28	17.34	17.43	17.37					
40	QPSK	50	56	17.31	17.26	17.27	19.0	0.0			
40	QPSK	100	0	17.25	17.42	17.25					
40	16QAM	1	1	17.27	17.34	17.36	19.0	0.0			
40	64QAM	1	1	17.30	17.44	17.26	19.0	0.0			
40	256QAM	1	1	17.27	17.42	17.29	19.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	17.34	17.43	17.25	19.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	17.32	17.35	17.23	19.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	17.29	17.36	17.26	19.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	17.28	17.30	17.31	19.0	0.0			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	16.850	16.1666	16.4332	18.5	0.0			
40	PI2 BPSK	1	53	16.850	16.1666	16.4332					
40	PI2 BPSK	1	104	16.850	16.1666	16.4332					
40	PI2 BPSK	50	0	16.83	16.92	16.88	18.5	0.0			
40	PI2 BPSK	50	28	16.81	17.00	16.93	18.5	0.0			
40	PI2 BPSK	50	56	16.78	16.96	16.91	18.5	0.0			
40	PI2 BPSK	100	0	16.85	17.00	16.84	18.5	0.0			
40	QPSK	1	1	16.92	17.05	17.01					
40	QPSK	1	53	16.81	16.92	16.93					
40	QPSK	1	104	16.91	16.93	16.95	18.5	0.0			
40	QPSK	50	0	16.84	16.85	16.82					
40	QPSK	50	28	16.86	16.97	16.93					
40	QPSK	50	56	16.74	16.84	16.86	18.5	0.0			
40	QPSK	100	0	16.85	16.93	16.87					
40	16QAM	1	1	16.90	16.91	16.86	18.5	0.0			
40	64QAM	1	1	16.83	16.97	17.00	18.5	0.0			
40	256QAM	1	1	16.77	16.95	16.95	18.5	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	16.82	17.00	16.93	18.5	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	16.86	16.99	16.87	18.5	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	16.86	17.03	16.90	18.5	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	16.85	17.02	16.90	18.5	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)											
40	PI2 BPSK	1	1	22.65	22.77	22.72	24.0	0.0			
40	PI2 BPSK	1	53	22.47	22.90	22.55					
40	PI2 BPSK	1	104	22.47	22.87	22.56					
40	PI2 BPSK	50	0	21.87	22.96	22.90	23.5	0.5			
40	PI2 BPSK	50	28	22.36	22.59	22.44	24.0	0.0			
40	PI2 BPSK	50	56	21.89	22.11	22.04	23.5	0.5			
40	PI2 BPSK	100	0	21.97	22.16	22.04					
40	QPSK	1	1	22.71	22.93	22.76					
40	QPSK	1	53	22.52	22.80	22.64	24.0	0.0			
40	QPSK	1	104	22.53	22.79	22.63					
40	QPSK	50	0	21.34	21.56	21.48					
40	QPSK	50	28	22.31	22.55	22.41	24.0	0.0			
40	QPSK	50	56	21.34	21.62	21.49					
40	QPSK	100	0	21.39	21.63	21.48	23.0	1.0			
40	16QAM	1	1	21.40	21.65	21.55	23.0	1.0			
40	64QAM	1	1	19.64	19.80	19.67	21.5	2.5			
40	256QAM	1	1	17.58	17.80	17.67	19.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.60	22.73	22.75	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.68	22.84	22.66	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.62	22.82	22.61	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.70	22.80	22.69	24.0	0.0			

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.46	19.52	19.42			
40	PI2 BPSK	1	53	19.42	19.50	19.31	20.0	0.0	
40	PI2 BPSK	1	104	19.43	19.39	19.38			
40	PI2 BPSK	50	0	19.45	19.39	19.38	20.0	0.0	
40	PI2 BPSK	50	28	19.43	19.48	19.41	20.0	0.0	
40	PI2 BPSK	50	56	19.48	19.44	19.31			
40	PI2 BPSK	100	0	19.49	19.47	19.30	20.0	0.0	
40	QPSK	1	1	19.31	19.35	19.43			
40	QPSK	1	53	19.49	19.49	19.38	20.0	0.0	
40	QPSK	1	104	19.50	19.48	19.36			
40	QPSK	50	0	19.45	19.46	19.35			
40	QPSK	50	28	19.47	19.47	19.35	20.0	0.0	
40	QPSK	50	56	19.40	19.40	19.24			
40	QPSK	100	0	19.39	19.43	19.37	20.0	0.0	
40	16QAM	1	1	19.40	19.38	19.29	20.0	0.0	
40	16QAM	1	1	19.42	19.41	19.36	20.0	0.0	
40	256QAM	1	1	18.41	18.62	18.58	19.5	0.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.42	19.45	19.33	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.44	19.51	19.31	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.36	19.38	19.34	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.37	19.45	19.38	20.0	0.0	

Part27Q_n77_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		15.74				
100	PI2 BPSK	1	137		15.70		17.5		0.0
100	PI2 BPSK	135	0		15.65		17.5		0.0
100	PI2 BPSK	135	69		15.70		17.5		0.0
100	PI2 BPSK	135	138		15.70		17.5		0.0
100	PI2 BPSK	270	0		15.63		17.5		0.0
100	QPSK	1	1		15.76				
100	QPSK	1	137		15.66		17.5		0.0
100	QPSK	1	271		15.69				
100	QPSK	135	0		15.65		17.5		0.0
100	QPSK	135	69		15.74		17.5		0.0
100	QPSK	135	138		15.67		17.5		0.0
100	16QAM	1	1		15.73		17.5		0.0
100	64QAM	1	1		15.61		17.5		0.0
100	256QAM	1	1		15.61		17.5		0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.61	15.70	15.64	17.5		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.67	15.73	15.74	17.5		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.65	15.62	15.74	17.5		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.72	15.62	15.72	17.5		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.71	15.60	15.61	17.5		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.71	15.75	15.66	17.5		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.68	15.69	15.61	17.5		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.63	15.69	15.71	17.5		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.66	15.65	15.73	17.5		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.71	15.76	15.74	17.5		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.69	15.71	15.70	17.5		0.0

Part27Q_n77(HPUE)_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		18.54				
100	PI2 BPSK	1	137		18.59		20.5	0.0	
100	PI2 BPSK	1	271		18.62				
100	PI2 BPSK	135	0		18.62		20.5	0.0	
100	PI2 BPSK	135	69		18.62		20.5	0.0	
100	PI2 BPSK	135	138		18.55		20.5	0.0	
100	PI2 BPSK	270	0		18.60				
100	QPSK	1	1		18.56				
100	QPSK	1	137		18.52		20.5	0.0	
100	QPSK	1	271		18.55				
100	QPSK	135	0		18.52		20.5	0.0	
100	QPSK	135	69		18.60				
100	QPSK	135	138		18.55		20.5	0.0	
100	QPSK	270	0		18.53		20.5	0.0	
100	16QAM	1	1		18.60		20.5	0.0	
100	16QAM	1	1		18.61		20.5	0.0	
100	256QAM	1	1		18.55		20.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.58	18.58	18.58	20.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.51	18.52	18.55	20.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.53	18.57	18.53	20.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.55	18.51	18.56	20.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.55	18.61	18.51	20.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.52	18.62	18.53	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.61	18.62	18.55	20.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.52	18.62	18.55	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.60	18.62	18.53	20.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.54	18.51	18.61	20.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.61	18.62	18.60	20.5	0.0	

Part270_n77_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								
Frequency (MHz)								
100	P12 BPSK	1	1	15.65	15.61	15.62	17.5	0.0
100	P12 BPSK	1	137	15.58	15.70	15.61		
100	P12 BPSK	1	271	15.58	15.67	15.63		
100	P12 BPSK	135	0	15.64	15.63	15.70	17.5	0.0
100	P12 BPSK	135	69	15.71	15.61	15.59	17.5	0.0
100	P12 BPSK	135	138	15.72	15.72	15.65	17.5	0.0
100	P12 BPSK	270	0	15.72	15.66	15.62	17.5	0.0
100	QPSK	1	1	15.72	15.76	15.72	17.5	0.0
100	QPSK	1	137	15.72	15.61	15.59		
100	QPSK	1	271	15.72	15.66	15.58		
100	QPSK	135	0	15.65	15.67	15.58	17.5	0.0
100	QPSK	135	69	15.71	15.70	15.71		
100	QPSK	135	138	15.57	15.70	15.67		
100	QPSK	270	0	15.69	15.69	15.66	17.5	0.0
100	16QAM	1	1	15.65	15.72	15.58	17.5	0.0
100	64QAM	1	1	15.69	15.74	15.69	17.5	0.0
100	256QAM	1	1	15.72	15.71	15.63	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.71	15.70	15.61	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.65	15.75	15.59	17.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.68	15.76	15.66	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.58	15.71	15.67	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.64	15.74	15.69	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.64	15.74	15.69	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.64	15.72	15.66	17.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.65	15.70	15.60	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.68	15.75	15.70	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.59	15.76	15.64	17.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.66	15.65	15.70	17.5	0.0

Part270_n77(HPUE)_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								
Frequency (MHz)								
100	P12 BPSK	1	1	18.74	18.78	18.78	20.5	0.0
100	P12 BPSK	1	137	18.74	18.73	18.78		
100	P12 BPSK	1	271	18.72	18.77	18.64		
100	P12 BPSK	135	0	18.67	18.76	18.75	20.5	0.0
100	P12 BPSK	135	69	18.64	18.76	18.73	20.5	0.0
100	P12 BPSK	135	138	18.77	18.79	18.76	20.5	0.0
100	P12 BPSK	270	0	18.74	18.68	18.76	20.5	0.0
100	P12 BPSK	270	0	18.67	18.76	18.75	20.5	0.0
100	QPSK	1	1	18.72	18.83	18.75	20.5	0.0
100	QPSK	1	137	18.75	18.74	18.65		
100	QPSK	1	271	18.77	18.81	18.64		
100	QPSK	135	0	18.62	18.61	18.69	20.5	0.0
100	QPSK	135	69	18.71	18.70	18.71		
100	QPSK	135	138	18.61	18.65	18.58		
100	QPSK	270	0	18.66	18.72	18.69	20.5	0.0
100	16QAM	1	1	18.70	18.73	18.70	20.5	0.0
100	64QAM	1	1	18.64	18.74	18.69	20.5	0.0
100	256QAM	1	1	18.70	18.68	18.71	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.72	18.75	18.75	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.69	18.75	18.65	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.73	18.76	18.72	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.65	18.75	18.64	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.60	18.68	18.72	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.70	18.78	18.74	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.67	18.76	18.77	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.68	18.70	18.75	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.70	18.80	18.74	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.67	18.70	18.76	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.76	18.81	18.64	20.5	0.0

Part27Q_n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	15.37	15.42	15.43	17.0	0.0
100	P12 BPSK	1	137		15.42			
100	P12 BPSK	1	271		15.43			
100	P12 BPSK	135	0		15.38		17.0	0.0
100	P12 BPSK	135	69		15.39		17.0	0.0
100	P12 BPSK	135	138		15.46		17.0	0.0
100	P12 BPSK	270	0		15.44		17.0	0.0
100	QPSK	1	1		15.48		17.0	0.0
100	QPSK	1	137		15.33			
100	QPSK	1	271		15.33			
100	QPSK	135	0		15.29		17.0	0.0
100	QPSK	135	69		15.42			
100	QPSK	135	138		15.39			
100	QPSK	270	0		15.36		17.0	0.0
100	16QAM	1	1		15.45		17.0	0.0
100	64QAM	1	1		15.41		17.0	0.0
100	256QAM	1	1		15.39		17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.35	15.33	15.33	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.38	15.45	15.36	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.46	15.44	15.47	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.34	15.43	15.43	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.37	15.41	15.44	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.45	15.34	15.38	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.47	15.46	15.34	17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.44	15.34	15.41	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.39	15.33	15.36	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.35	15.40	15.38	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.37	15.33	15.43	17.0	0.0

Part27Q_n77(HPUe)_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				63332	63332	63332				
Frequency (MHz)				3469.98	3469.98	3469.98				
100	P12 BPSK	1	1	18.29						
100	P12 BPSK	1	137	18.30			20.0	0.0		
100	P12 BPSK	1	271	18.34						
100	P12 BPSK	135	0	18.34			20.0	0.0		
100	P12 BPSK	135	69	18.35			20.0	0.0		
100	P12 BPSK	135	138	18.29			20.0	0.0		
100	P12 BPSK	270	0	18.34						
100	QPSK	1	1	18.40						
100	QPSK	1	137	18.35			20.0	0.0		
100	QPSK	1	271	18.39						
100	QPSK	135	0	18.23			20.0	0.0		
100	QPSK	135	69	18.30						
100	QPSK	135	138	18.26						
100	QPSK	270	0	18.32			20.0	0.0		
100	16QAM	1	1	18.38			20.0	0.0		
100	16QAM	1	1	18.32			20.0	0.0		
100	256QAM	1	1	18.30			20.0	0.0		
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3495	3469.98	3504.99				
80	QPSK	1	1	18.37	18.33	18.29	20.0	0.0		
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3490.02	3469.98	3510				
80	QPSK	1	1	18.25	18.27	18.28	20.0	0.0		
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3485.01	3469.98	3514.98				
70	QPSK	1	1	18.39	18.34	18.30	20.0	0.0		
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3480	3469.98	3519.99				
60	QPSK	1	1	18.30	18.30	18.36	20.0	0.0		
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3473.02	3469.98	3525				
50	QPSK	1	1	18.25	18.30	18.31	20.0	0.0		
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3470.01	3469.98	3529.98				
40	QPSK	1	1	18.35	18.29	18.26	20.0	0.0		
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3462.01	3469.98	3537.98				
30	QPSK	1	1	18.30	18.25	18.30	20.0	0.0		
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3450.02	3469.98	3540				
20	QPSK	1	1	18.25	18.30	18.32	20.0	0.0		
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3457.5	3469.98	3542.49				
15	QPSK	1	1	18.29	18.39	18.36	20.0	0.0		
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3455.01	3469.98	3544.98				
10	QPSK	1	1	18.38	18.33	18.39	20.0	0.0		

Part27O_n77_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				680000	680000	680000				
Frequency (MHz)				3790	3840	3930				
100	P12 BPSK	1	1	15.59	15.48	15.44				
100	P12 BPSK	1	137	15.49	15.59	15.53	17.0	0.0		
100	P12 BPSK	1	271	15.54	15.56	15.46				
100	P12 BPSK	135	0	15.46	15.57	15.53				
100	P12 BPSK	135	0	15.57	15.53	15.43	17.0	0.0		
100	P12 BPSK	135	69	15.48	15.48	15.43	17.0	0.0		
100	P12 BPSK	135	138	15.58	15.60	15.43				
100	P12 BPSK	270	0	15.46	15.57	15.53	17.0	0.0		
100	QPSK	1	1	15.60	15.63	15.55				
100	QPSK	1	137	15.56	15.51	15.41	17.0	0.0		
100	QPSK	1	271	15.50	15.56	15.40				
100	QPSK	135	0	15.52	15.47	15.42				
100	QPSK	135	69	15.57	15.50	15.47	17.0	0.0		
100	QPSK	135	138	15.45	15.51	15.43				
100	QPSK	270	0	15.56	15.57	15.45	17.0	0.0		
100	16QAM	1	1	15.51	15.58	15.52	17.0	0.0		
100	16QAM	1	1	15.56	15.54	15.53	17.0	0.0		
100	256QAM	1	1	15.58	15.54	15.48	17.0	0.0		
Channel				648668	650000	649332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3743.02	3840	3934.98				
90	QPSK	1	1	15.56	15.60	15.49	17.0	0.0		
Channel				648334	650000	649666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3939.99				
80	QPSK	1	1	15.48	15.59	15.46	17.0	0.0		
Channel				648000	650000	649332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	15.45	15.50	15.39	17.0	0.0		
Channel				648668	650000	649332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3730.01	3840	3944.98				
60	QPSK	1	1	15.46	15.51	15.48	17.0	0.0		
Channel				648334	650000	649666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3725.01	3840	3954.99				
50	QPSK	1	1	15.52	15.61	15.43	17.0	0.0		
Channel				648000	650000	649000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	15.46	15.60	15.51	17.0	0.0		
Channel				647668	650000	649332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	15.59	15.57	15.46	17.0	0.0		
Channel				647334	650000	649000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3712.5	3840	3970.5				
25	QPSK	1	1	15.50	15.45	15.30	17.0	0.0		
Channel				647000	650000	648666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3710.01	3840	3969.99				
20	QPSK	1	1	15.47	15.55	15.40	17.0	0.0		
Channel				646668	650000	648332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3707.52	3840	3972.48				
15	QPSK	1	1	15.56	15.53	15.52	17.0	0.0		
Channel				647000	650000	649000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	15.46	15.61	15.44	17.0	0.0		

Part270_n77(HPUe)_Ant 5										
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				650000	650000	650000				
Frequency (MHz)				3790	3840	3930				
100	P12 BPSK	1	1	18.23	18.31	18.29				
100	P12 BPSK	1	137	18.33	18.28	18.28	20.0	0.0		
100	P12 BPSK	1	271	18.26	18.29	18.28				
100	P12 BPSK	135	0	18.21	18.32	18.28	20.0	0.0		
100	P12 BPSK	135	69	18.23	18.39	18.24	20.0	0.0		
100	P12 BPSK	135	138	18.23	18.28	18.34				
100	P12 BPSK	270	0	18.19	18.35	18.33	20.0	0.0		
100	QPSK	1	1	18.34	18.42	18.37				
100	QPSK	1	137	18.38	18.31	18.37				
100	QPSK	1	271	18.21	18.31	18.31				
100	QPSK	135	0	18.32	18.27	18.18				
100	QPSK	135	69	18.33	18.40	18.32	20.0	0.0		
100	QPSK	135	138	18.20	18.30	18.25				
100	QPSK	270	0	18.28	18.39	18.27	20.0	0.0		
100	16QAM	1	1	18.25	18.28	18.33	20.0	0.0		
100	64QAM	1	1	18.31	18.40	18.29	20.0	0.0		
100	256QAM	1	1	18.27	18.28	18.22	20.0	0.0		
Channel				648000	650000	649000				
Frequency (MHz)				3745.02	3840	3934.98				
90	QPSK	1	1	18.20	18.38	18.36	20.0	0.0		
Channel				649334	650000	650666				
Frequency (MHz)				3788.01	3840	3938.99				
80	QPSK	1	1	18.26	18.32	18.23	20.0	0.0		
Channel				649000	650000	650000				
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	18.26	18.40	18.30	20.0	0.0		
Channel				649000	650000	653332				
Frequency (MHz)				3730.02	3840	3949.98				
60	QPSK	1	1	18.31	18.28	18.28	20.0	0.0		
Channel				649334	650000	650666				
Frequency (MHz)				3783.01	3840	3954.99				
50	QPSK	1	1	18.30	18.40	18.34	20.0	0.0		
Channel				649000	650000	650400				
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	18.21	18.35	18.35	20.0	0.0		
Channel				647668	650000	654332				
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	18.22	18.32	18.24	20.0	0.0		
Channel				649200	650000	650000				
Frequency (MHz)				3712.01	3840	3967.99				
25	QPSK	1	1	18.23	18.31	18.33	20.0	0.0		
Channel				647334	650000	654666				
Frequency (MHz)				3710.01	3840	3969.99				
20	QPSK	1	1	18.30	18.38	18.30	20.0	0.0		
Channel				647668	650000	654832				
Frequency (MHz)				3707.02	3840	3972.48				
15	QPSK	1	1	18.25	18.28	18.38	20.0	0.0		
Channel				649334	650000	650000				
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	18.30	18.37	18.30	20.0	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)								
100	P12 BPSK	1	1	23.64				
100	P12 BPSK	1	137	23.58			24.0	0.0
100	P12 BPSK	1	271	23.56				
100	P12 BPSK	135	0	23.65			24.0	0.0
100	P12 BPSK	135	69	23.69			24.0	0.0
100	P12 BPSK	135	138	23.64			24.0	0.0
100	P12 BPSK	270	0	23.65				
100	QPSK	1	1	23.73				
100	QPSK	1	137	23.57			24.0	0.0
100	QPSK	1	271	23.58				
100	QPSK	135	0	23.64			24.0	0.0
100	QPSK	135	69	23.65				
100	QPSK	135	138	23.59				
100	QPSK	270	0	23.65			24.0	0.0
100	16QAM	1	1	23.58			24.0	0.0
100	16QAM	1	1	23.56			24.0	0.0
100	256QAM	1	1	21.93			22.5	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.51	23.64	23.43	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.62	23.70	23.55	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.51	23.50	23.58	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.48	23.65	23.44	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.44	23.71	23.49	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.59	23.56	23.50	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.55	23.51	23.63	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.52	23.61	23.65	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.52	23.47	23.50	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.60	23.44	23.64	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.54	23.68	23.58	24.0	0.0

Part27Q_n77(HPUE)_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	26.37				
100	P12 BPSK	1	137	26.36			27.0	0.0
100	P12 BPSK	1	271	26.47				
100	P12 BPSK	135	0	26.50			26.5	0.5
100	P12 BPSK	135	69	26.45			27.0	0.0
100	P12 BPSK	135	138	26.37			26.5	0.5
100	P12 BPSK	270	0	26.50				
100	QPSK	1	1	26.55				
100	QPSK	1	137	26.37			27.0	0.0
100	QPSK	1	271	26.25				
100	QPSK	135	0	26.46			27.0	0.0
100	QPSK	135	69	26.47				
100	QPSK	135	138	26.31				
100	QPSK	270	0	26.50			26.0	1.0
100	16QAM	1	1	26.56			26.0	1.0
100	16QAM	1	1	23.76		24.5	2.5	
100	256QAM	1	1	21.86			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.41	26.47	26.45	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.46	26.53	26.45	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.43	26.40	26.48	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.42	26.52	26.52	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.51	26.54	26.44	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.47	26.49	26.43	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.52	26.46	26.52	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.45	26.42	26.45	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.48	26.42	26.40	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.50	26.40	26.49	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.46	26.49	26.42	27.0	0.0

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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	65000	65600	66000		
100	P12 BPSK	1	137	23.01	23.73	23.70	24.0	0.0
100	P12 BPSK	1	271	23.16	23.73	23.67		
100	P12 BPSK	135	0	23.02	23.77	23.63	24.0	0.0
100	P12 BPSK	135	69	23.12	23.80	23.63	24.0	0.0
100	P12 BPSK	135	138	23.14	23.79	23.74		
100	P12 BPSK	270	0	22.99	23.78	23.68	24.0	0.0
100	QPSK	1	1	23.10	23.87	23.82		
100	QPSK	1	137	23.08	23.65	23.76	24.0	0.0
100	QPSK	1	271	22.97	23.75	23.79		
100	QPSK	135	0	22.99	23.68	23.67		
100	QPSK	135	69	23.06	23.77	23.72	24.0	0.0
100	QPSK	135	138	23.04	23.73	23.66		
100	QPSK	270	0	23.10	23.70	23.66	24.0	0.0
100	16QAM	1	1	22.94	23.81	23.79	24.0	0.0
100	16QAM	1	1	22.95	23.67	23.66	24.0	0.0
100	256QAM	1	1	21.38	22.13	21.98	22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64500	65000	65500		
90	QPSK	1	1	23.01	23.61	23.69	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64300	65000	66000		
80	QPSK	1	1	23.01	23.65	23.70	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63800	65000	66000		
70	QPSK	1	1	23.15	23.84	23.54	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63500	65000	66300		
60	QPSK	1	1	23.17	23.64	23.74	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63400	65000	66000		
50	QPSK	1	1	23.19	23.61	23.69	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63200	65000	66400		
40	QPSK	1	1	22.98	23.76	23.73	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63000	65000	66500		
30	QPSK	1	1	23.20	23.72	23.66	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	62800	65000	66600		
25	QPSK	1	1	23.18	23.70	23.67	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	62600	65000	66700		
20	QPSK	1	1	23.16	23.69	23.75	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	62400	65000	66800		
15	QPSK	1	1	23.07	23.68	23.77	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	62200	65000	66900		
10	QPSK	1	1	23.05	23.67	23.75	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	62000	65000	67000		
5	QPSK	1	1	23.02	23.71	23.62	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	23.37				
100	P12 BPSK	1	137	23.41			24.0	0.0
100	P12 BPSK	1	271	23.44				
100	P12 BPSK	135	0	23.46			24.0	0.0
100	P12 BPSK	135	69	23.35			24.0	0.0
100	P12 BPSK	135	138	23.37			24.0	0.0
100	P12 BPSK	270	0	23.46				
100	QPSK	1	1	23.35				
100	QPSK	1	137	23.39			24.0	0.0
100	QPSK	1	271	23.52				
100	QPSK	135	0	23.46				
100	QPSK	135	69	23.45			24.0	0.0
100	QPSK	135	138	23.45				
100	QPSK	270	0	23.51			24.0	0.0
100	16QAM	1	1	23.39			24.0	0.0
100	16QAM	1	1	23.40			24.0	0.0
100	256QAM	1	1	22.11			22.5	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.31	23.40	23.31	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.45	23.38	23.37	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.33	23.44	23.39	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.37	23.41	23.50	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.24	23.31	23.23	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.32	23.39	23.30	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.48	23.43	23.40	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.47	23.33	23.30	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.50	23.34	23.32	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.27	23.47	23.38	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.48	23.48	23.34	24.0	0.0

Part270_n78(HPUE)_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	26.57				
100	P12 BPSK	1	137	26.36			27.0	0.0
100	P12 BPSK	1	271	26.38				
100	P12 BPSK	135	0	26.10			26.5	0.5
100	P12 BPSK	135	69	26.51			27.0	0.0
100	P12 BPSK	135	138	26.04			26.5	0.5
100	P12 BPSK	270	0	26.06				
100	QPSK	1	1	26.00				
100	QPSK	1	137	26.43			27.0	0.0
100	QPSK	1	271	26.49				
100	QPSK	135	0	26.49			27.0	0.0
100	QPSK	135	69	26.50				
100	QPSK	135	138	25.42				
100	QPSK	270	0	25.61			26.0	1.0
100	16QAM	1	1	25.53			26.0	1.0
100	16QAM	1	1	25.59			24.5	2.5
100	256QAM	1	1	22.02			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.57	26.54	26.47	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.58	26.58	26.49	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.40	26.56	26.48	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.46	26.54	26.51	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.44	26.40	26.39	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.46	26.47	26.39	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.55	26.53	26.57	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.56	26.53	26.40	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.52	26.39	26.45	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.44	26.54	26.46	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.58	26.57	26.45	27.0	0.0

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	18.41	3659.38			
100	P12 BPSK	1	137	18.40			20.0	0.0
100	P12 BPSK	1	271	18.46				
100	P12 BPSK	135	0	18.47			20.0	0.0
100	P12 BPSK	135	69	18.43			20.0	0.0
100	P12 BPSK	135	138	18.54			20.0	0.0
100	P12 BPSK	270	0	18.59				
100	QPSK	1	1	18.48	3659.38			
100	QPSK	1	137	18.33			20.0	0.0
100	QPSK	1	271	18.46				
100	QPSK	135	0	18.40				
100	QPSK	135	69	18.43			20.0	0.0
100	QPSK	135	138	18.41				
100	QPSK	270	0	18.41			20.0	0.0
100	16QAM	1	1	18.43			20.0	0.0
100	16QAM	1	1	18.41			20.0	0.0
100	256QAM	1	1	18.47			20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.37	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.34	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.37	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.40	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.43	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.35	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.38	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.35	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.44	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.36	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.41	3659.38	3659.66	Tune-up limit (dBm)	MPR (dB)

Part27Q_n78(HPUe)_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)									
3499.98									
100	Pl2 BPSK	1	1		21.14		23.0	0.0	
100	Pl2 BPSK	1	137		21.18				
100	Pl2 BPSK	1	271		21.09				
100	Pl2 BPSK	135	0		21.15				
100	Pl2 BPSK	135	69		21.13		23.0	0.0	
100	Pl2 BPSK	135	138		21.09		23.0	0.0	
100	Pl2 BPSK	270	0		21.17		23.0	0.0	
100	QPSK	1	1		21.21		23.0	0.0	
100	QPSK	1	137		21.16				
100	QPSK	1	271		21.17				
100	QPSK	135	0		21.10				
100	QPSK	135	69		21.16		23.0	0.0	
100	QPSK	135	138		21.15				
100	QPSK	270	0		21.16		23.0	0.0	
100	16QAM	1	1		21.16		23.0	0.0	
100	64QAM	1	1		21.12		23.0	0.0	
100	256QAM	1	1		20.55		22.5	0.5	
Channel									
Frequency (MHz)									
633000									
3499.98									
90	QPSK	1	1	21.07	21.17	21.18	23.0	0.0	
Channel									
Frequency (MHz)									
630698									
3499.98									
80	QPSK	1	1	3490.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
633000									
3485.01									
70	QPSK	1	1	21.07	21.07	21.06	23.0	0.0	
Channel									
Frequency (MHz)									
633000									
3499.98									
60	QPSK	1	1	21.18	21.10	21.14	23.0	0.0	
Channel									
Frequency (MHz)									
631698									
3470.02									
50	QPSK	1	1	21.15	21.17	21.11	23.0	0.0	
Channel									
Frequency (MHz)									
631304									
3499.98									
40	QPSK	1	1	21.13	21.10	21.10	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
631700									
3465									
30	QPSK	1	1	21.15	21.19	21.20	23.0	0.0	
Channel									
Frequency (MHz)									
630304									
3499.98									
25	QPSK	1	1	21.12	21.13	21.07	23.0	0.0	
Channel									
Frequency (MHz)									
630698									
3460.02									
20	QPSK	1	1	21.06	21.17	21.14	23.0	0.0	
Channel									
Frequency (MHz)									
632500									
3457.5									
15	QPSK	1	1	21.14	21.15	21.11	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
630304									
3499.98									
10	QPSK	1	1	21.08	21.19	21.06	23.0	0.0	

Part27O_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	Pl2 BPSK	1	1		18.67				
100	Pl2 BPSK	1	137		18.64		20.0	0.0	
100	Pl2 BPSK	1	271		18.67				
100	Pl2 BPSK	135	0		18.64		20.0	0.0	
100	Pl2 BPSK	135	69		18.62		20.0	0.0	
100	Pl2 BPSK	135	138		18.68		20.0	0.0	
100	Pl2 BPSK	270	0		18.57				
100	QPSK	1	1		18.65				
100	QPSK	1	137		18.62		20.0	0.0	
100	QPSK	1	271		18.67				
100	QPSK	135	0		18.50				
100	QPSK	135	69		18.62		20.0	0.0	
100	QPSK	135	138		18.48				
100	QPSK	270	0		18.54		20.0	0.0	
100	16QAM	1	1		18.65		20.0	0.0	
100	64QAM	1	1		18.54		20.0	0.0	
100	256QAM	1	1		18.61		20.0	0.0	
Channel									
Frequency (MHz)				649968	650000	650132	Tune-up limit		MPR (dB)
Frequency (MHz)				3745.39	3750	3754.68			
90	QPSK	1	1	18.63	18.58	18.57	20.0	0.0	
Channel									
Frequency (MHz)				649934	650000	650066	Tune-up limit		MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		(dB)
80	QPSK	1	1	18.58	18.58	18.66	20.0	0.0	
Channel									
Frequency (MHz)				649905	650000	651000	Tune-up limit		MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)		(dB)
70	QPSK	1	1	18.61	18.60	18.65	20.0	0.0	
Channel									
Frequency (MHz)				649968	650000	651132	Tune-up limit		MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		(dB)
60	QPSK	1	1	18.56	18.61	18.60	20.0	0.0	
Channel									
Frequency (MHz)				649934	650000	651666	Tune-up limit		MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		(dB)
50	QPSK	1	1	18.60	18.59	18.62	20.0	0.0	
Channel									
Frequency (MHz)				649900	650000	652000	Tune-up limit		MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)		(dB)
40	QPSK	1	1	18.61	18.64	18.57	20.0	0.0	
Channel									
Frequency (MHz)				649968	650000	652132	Tune-up limit		LFSR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		(dB)
30	QPSK	1	1	18.54	18.57	18.68	20.0	0.0	
Channel									
Frequency (MHz)				649730	650000	652500	Tune-up limit		MPR (dB)
Frequency (MHz)				3712.41	3750	3782.59	(dBm)		(dB)
25	QPSK	1	1	18.54	18.68	18.55	20.0	0.0	
Channel									
Frequency (MHz)				649734	650000	652666	Tune-up limit		MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		(dB)
20	QPSK	1	1	18.56	18.60	18.57	20.0	0.0	
Channel									
Frequency (MHz)				649743	650000	652832	Tune-up limit		LFSR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		(dB)
15	QPSK	1	1	18.55	18.62	18.66	20.0	0.0	
Channel									
Frequency (MHz)				649700	650000	653000	Tune-up limit		MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)		(dB)
10	QPSK	1	1	18.66	18.54	18.58	20.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				22.28	22.35	22.32			
20	PI2 BPSK	1	1	22.28	22.35	22.32	24.0	0.0	
20	PI2 BPSK	1	53	22.29	22.27	22.17			
20	PI2 BPSK	1	104	22.10	22.25	22.20			
20	PI2 BPSK	50	0	21.56	21.70	21.60	23.5	0.5	
20	PI2 BPSK	50	28	22.12	22.17	22.06	24.0	0.0	
20	PI2 BPSK	50	56	21.57	21.60	21.63			
20	PI2 BPSK	100	0	21.58	21.71	21.64	23.5	0.5	
20	QPSK	1	1	22.33	22.38	22.35			
20	QPSK	1	53	22.23	22.31	22.27	24.0	0.0	
20	QPSK	1	104	22.16	22.29	22.24			
20	QPSK	50	0	21.14	21.23	21.15	23.0	1.0	
20	QPSK	50	28	22.13	22.22	22.17	24.0	0.0	
20	QPSK	50	56	21.13	21.18	21.16			
20	QPSK	100	0	21.16	21.22	21.18	23.0	1.0	
20	16QAM	1	1	21.41	21.45	21.37	23.0	1.0	
20	64QAM	1	1	19.52	19.52	19.54	21.5	2.5	
20	256QAM	1	1	17.51	17.53	17.50	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.23	22.27	22.29	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	838.5	844			
10	QPSK	1	1	22.25	22.34	22.31	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.30	22.33	22.29	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16660	Power Middle Ch. Freq. 16730	Power High Ch. Freq. 16780	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)				18.59	18.59	18.67			
20	PI2 BPSK	1	1	18.59	18.59	18.67	20.5	0.0	
20	PI2 BPSK	1	53	18.58	18.63	18.64			
20	PI2 BPSK	1	104	18.52	18.67	18.58			
20	PI2 BPSK	50	0	18.57	18.61	18.56	20.5	0.0	
20	PI2 BPSK	50	28	18.57	18.66	18.57	20.5	0.0	
20	PI2 BPSK	50	56	18.57	18.64	18.62			
20	PI2 BPSK	100	0	18.53	18.64	18.64	20.5	0.0	
20	QPSK	1	1	18.62	18.69	18.68			
20	QPSK	1	53	18.52	18.66	18.54	20.5	0.0	
20	QPSK	1	104	18.60	18.65	18.61			
20	QPSK	50	0	18.55	18.62	18.56	20.5	0.0	
20	QPSK	50	28	18.55	18.68	18.64	20.5	0.0	
20	QPSK	50	56	18.52	18.60	18.50			
20	QPSK	100	0	18.54	18.65	18.59	20.5	0.0	
20	16QAM	1	1	18.57	18.62	18.60	20.5	0.0	
20	64QAM	1	1	18.58	18.63	18.66	20.5	0.0	
20	256QAM	1	1	17.53	17.54	17.54	19.5	1.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	18.55	18.64	18.57	20.5	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	838.5	844			
10	QPSK	1	1	18.61	18.63	18.59	20.5	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	18.59	18.68	18.55	20.5	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50500	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 50900	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				18.45	18.43	18.43			
50	PI2 BPSK	1	1	18.45	18.43	18.43			
50	PI2 BPSK	1	156	18.37	18.39	18.40	20.0	0.0	
50	PI2 BPSK	1	288	18.48	18.44	18.40			
50	PI2 BPSK	136	0	18.36	18.45	18.36	20.0	0.0	
50	PI2 BPSK	136	68	18.44	18.44	18.35	20.0	0.0	
50	PI2 BPSK	136	136	18.46	18.32	18.32			
50	PI2 BPSK	270	0	18.35	18.39	18.44	20.0	0.0	
50	QPSK	1	1	18.50	18.53	18.47			
50	QPSK	1	135	18.40	18.50	18.33	20.0	0.0	
50	QPSK	1	268	18.36	18.49	18.37			
50	QPSK	135	0	18.39	18.41	18.39	20.0	0.0	
50	QPSK	136	68	18.48	18.52	18.46	20.0	0.0	
50	QPSK	135	135	18.40	18.47	18.34			
50	QPSK	270	0	18.47	18.50	18.41	20.0	0.0	
50	16QAM	1	1	18.42	18.42	18.45	20.0	0.0	
50	64QAM	1	1	18.48	18.39	18.35	20.0	0.0	
50	256QAM	1	1	17.80	17.85	17.75	19.5	0.5	
Channel				505000	507000	509000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2550			
40	QPSK	1	1	18.49	18.42	18.36	20.0	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.43	18.49	18.33	20.0	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.41	18.41	18.44	20.0	0.0	
Channel				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.38	18.46	18.40	20.0	0.0	
Channel				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.44	18.41	18.46	20.0	0.0	
Channel				505000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2545			
10	QPSK	1	1	18.46	18.51	18.45	20.0	0.0	
Channel				505000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.42	18.43	18.38	20.0	0.0	

n7_Ant 1(ENDC)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 565000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)									
50	Pl2 BPSK	1	1	11.27	11.28	11.28	13.0	0.0	
50	Pl2 BPSK	1	135	11.26	11.37	11.35			
50	Pl2 BPSK	1	268	11.34	11.30	11.36			
50	Pl2 BPSK	135	0	11.37	11.41	11.33	13.0	0.0	
50	Pl2 BPSK	135	68	11.28	11.30	11.28	13.0	0.0	
50	Pl2 BPSK	135	135	11.31	11.38	11.25			
50	Pl2 BPSK	270	0	11.33	11.38	11.37	13.0	0.0	
50	QPSK	1	1	11.41	11.43	11.39			
50	QPSK	1	135	11.31	11.29	11.31	13.0	0.0	
50	QPSK	1	268	11.36	11.31	11.36			
50	QPSK	135	0	11.33	11.32	11.29	13.0	0.0	
50	QPSK	135	68	11.40	11.41	11.31	13.0	0.0	
50	QPSK	135	135	11.28	11.33	11.28	13.0	0.0	
50	QPSK	270	0	11.34	11.38	11.29			
50	16QAM	1	1	11.38	11.38	11.24	13.0	0.0	
50	64QAM	1	1	11.31	11.32	11.36	13.0	0.0	
50	256QAM	1	1	11.28	11.36	11.27	13.0	0.0	
Channel				509000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	11.27	11.39	11.27	13.0	0.0	
Channel				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	11.37	11.34	11.33	13.0	0.0	
Channel				509000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	11.37	11.40	11.36	13.0	0.0	
Channel				512000	510000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	11.34	11.32	11.26	13.0	0.0	
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2567.5	2535	2562.5			
15	QPSK	1	1	11.28	11.40	11.32	13.0	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	11.35	11.29	11.38	13.0	0.0	
Channel				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	11.32	11.33	11.30	13.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.39	22.49	22.32	24.0	0.0	
15	Pl2 BPSK	1	40	22.34	22.37	22.35			
15	Pl2 BPSK	1	77	22.38	22.51	22.46			
15	Pl2 BPSK	36	0	21.78	21.86	21.84	23.5	0.5	
15	Pl2 BPSK	36	22	22.23	22.32	22.25	24.0	0.0	
15	Pl2 BPSK	36	43	21.72	21.87	21.77	23.5	0.5	
15	Pl2 BPSK	75	0	21.81	21.91	21.82			
15	QPSK	1	1	22.45	22.52	22.48			
15	QPSK	1	40	22.37	22.45	22.38	24.0	0.0	
15	QPSK	1	77	22.47	22.50	22.49			
15	QPSK	36	0	21.36	21.45	21.37	23.0	1.0	
15	QPSK	36	22	22.30	22.38	22.31	24.0	0.0	
15	QPSK	36	43	21.29	21.38	21.36	23.0	1.0	
15	QPSK	75	0	21.36	21.43	21.34			
15	16QAM	1	1	21.80	21.63	21.61	23.0	1.0	
15	64QAM	1	1	19.77	19.78	19.70	21.5	2.5	
15	256QAM	1	1	17.73	17.75	17.74	19.5	4.5	
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.38	22.45	22.42	24.0	0.0	
Channel				140900	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.47	22.51	22.39	24.0	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	20.69	20.80	20.67			
15	Pl2 BPSK	1	40	20.65	20.69	20.69	22.5	0.0	
15	Pl2 BPSK	1	77	20.69	20.71	20.66			
15	Pl2 BPSK	36	0	20.68	20.73	20.67	22.5	0.0	
15	Pl2 BPSK	36	22	20.60	20.81	20.61	22.5	0.0	
15	Pl2 BPSK	36	43	20.67	20.68	20.66	22.5	0.0	
15	Pl2 BPSK	75	0	20.57	20.81	20.72			
15	QPSK	1	1	20.71	20.83	20.75			
15	QPSK	1	40	20.69	20.74	20.68	22.5	0.0	
15	QPSK	1	77	20.62	20.81	20.72			
15	QPSK	36	0	20.65	20.72	20.68	22.5	0.0	
15	QPSK	36	22	20.70	20.79	20.69	22.5	0.0	
15	QPSK	36	43	20.63	20.74	20.58	22.5	0.0	
15	QPSK	75	0	20.67	20.74	20.67			
15	16QAM	1	1	20.57	20.74	20.68	22.5	0.0	
15	64QAM	1	1	19.55	19.57	19.52	21.5	1.0	
15	256QAM	1	1	17.52	17.56	17.53	19.5	3.0	
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	20.69	20.80	20.72	22.5	0.0	
Channel				140900	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	20.65	20.62	20.69	22.5	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 time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.39	22.40	22.38	24.0	0.0
10	PQ2 BPSK	1	26	22.18	22.28	22.15		
10	PQ2 BPSK	1	50	22.18	22.20	22.16		
10	PQ2 BPSK	25	0	21.53	21.60	21.57	23.5	0.5
10	PQ2 BPSK	25	14	22.12	22.14	22.06	24.0	0.0
10	PQ2 BPSK	25	27	21.53	21.65	21.56	23.5	0.5
10	PQ2 BPSK	50	0	21.57	21.63	21.52		
10	QPSK	1	1	22.47	22.48	22.43		
10	QPSK	1	26	22.27	22.28	22.24	24.0	0.0
10	QPSK	1	50	22.22	22.23	22.21	23.0	1.0
10	QPSK	25	0	21.13	21.15	21.09		
10	QPSK	25	14	22.13	22.15	22.13		
10	QPSK	25	27	21.08	21.18	21.11	23.0	1.0
10	QPSK	50	0	21.16	21.17	21.08	23.0	1.0
10	16QAM	1	1	21.45	21.52	21.47		
10	64QAM	1	1	19.52	19.55	19.50		
10	256QAM	1	1	17.52	17.54	17.53	19.5	4.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.37	22.45	22.38	24.0	0.0

n13_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PQ2 BPSK	1	1	19.28	19.33	19.32	21.0	0.0
10	PQ2 BPSK	1	26	19.25	19.33	19.31		
10	PQ2 BPSK	1	50	19.23	19.42	19.36		
10	PQ2 BPSK	25	0	19.22	19.32	19.40	21.0	0.0
10	PQ2 BPSK	25	14	19.19	19.36	19.39	21.0	0.0
10	PQ2 BPSK	25	27	19.21	19.36	19.37	21.0	0.0
10	PQ2 BPSK	50	0	19.30	19.31	19.36		
10	QPSK	1	1	19.34	19.44	19.43		
10	QPSK	1	26	19.20	19.29	19.29	21.0	0.0
10	QPSK	1	50	19.30	19.40	19.39	21.0	0.0
10	QPSK	25	0	19.20	19.26	19.32		
10	QPSK	25	14	19.07	19.39	19.37		
10	QPSK	25	27	19.23	19.31	19.33	21.0	0.0
10	QPSK	50	0	19.18	19.37	19.32	21.0	0.0
10	16QAM	1	1	19.20	19.30	19.43		
10	64QAM	1	1	19.32	19.43	19.37		
10	256QAM	1	1	17.54	17.52	17.54	19.5	1.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.30	19.41	19.31	21.0	0.0

n14_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PQ2 BPSK	1	1	22.13	22.16	22.15	24.0	0.0
10	PQ2 BPSK	1	26	22.14	22.23	22.12		
10	PQ2 BPSK	1	50	22.17	22.28	22.22		
10	PQ2 BPSK	25	0	21.56	21.63	21.54	23.5	0.5
10	PQ2 BPSK	25	14	22.08	22.06	22.02	24.0	0.0
10	PQ2 BPSK	25	27	21.56	21.61	21.58	23.5	0.5
10	PQ2 BPSK	50	0	21.58	21.64	21.55		
10	QPSK	1	1	22.22	22.32	22.28		
10	QPSK	1	26	22.15	22.25	22.15	24.0	0.0
10	QPSK	1	50	22.16	22.22	22.16	23.0	1.0
10	QPSK	25	0	21.10	21.18	21.09		
10	QPSK	25	14	22.10	22.14	22.07		
10	QPSK	25	27	21.12	21.13	21.11	23.0	1.0
10	QPSK	50	0	21.13	21.15	21.11	23.0	1.0
10	16QAM	1	1	21.32	21.34	21.33		
10	64QAM	1	1	19.62	19.64	19.55		
10	256QAM	1	1	17.52	17.60	17.57	19.5	4.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.08	22.14	22.10	24.0	0.0

n14_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	19.23	19.23	19.25	21.0	0.0
10	P12 BPSK	1	26	19.22	19.21	19.19		
10	P12 BPSK	1	50	19.25	19.24	19.23		
10	P12 BPSK	25	0	19.17	19.33	19.29	21.0	0.0
10	P12 BPSK	25	14	19.27	19.30	19.16	21.0	0.0
10	P12 BPSK	25	27	19.22	19.35	19.24	21.0	0.0
10	P12 BPSK	50	0	19.17	19.27	19.18		
10	QPSK	1	1	19.31	19.30	19.30		
10	QPSK	1	26	19.28	19.33	19.29	21.0	0.0
10	QPSK	1	50	19.23	19.30	19.23	21.0	0.0
10	QPSK	25	0	19.10	19.13	19.19		
10	QPSK	25	14	19.25	19.28	19.20		
10	QPSK	25	27	19.19	19.19	19.21	21.0	0.0
10	QPSK	50	0	19.19	19.26	19.24		
10	16QAM	1	1	19.16	19.21	19.25		
10	64QAM	1	1	19.29	19.25	19.17	21.0	0.0
10	256QAM	1	1	17.56	17.60	17.60	19.5	1.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.19	19.32	19.22	21.0	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	17.79	17.83	17.85	19.5	0.0
40	P12 BPSK	1	108	17.80	17.89	17.79		
40	P12 BPSK	1	214	17.84	17.84	17.76		
40	P12 BPSK	108	0	17.92	17.92	17.83	19.5	0.0
40	P12 BPSK	108	54	17.84	17.85	17.81	19.5	0.0
40	P12 BPSK	108	108	17.80	17.81	17.83	19.5	0.0
40	P12 BPSK	216	0	17.87	17.95	17.79		
40	QPSK	1	1	17.93	17.96	17.88		
40	QPSK	1	108	17.85	17.85	17.75	19.5	0.0
40	QPSK	1	214	17.79	17.96	17.82	19.5	0.0
40	QPSK	108	0	17.89	17.87	17.77		
40	QPSK	108	54	17.92	17.94	17.85		
40	QPSK	108	108	17.86	17.91	17.72	19.5	0.0
40	QPSK	216	0	17.87	17.91	17.79		
40	16QAM	1	1	17.81	17.85	17.81		
40	64QAM	1	1	17.78	17.82	17.80	19.5	0.0
40	256QAM	1	1	17.56	17.66	17.61	19.5	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	17.80	17.95	17.86	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.76	17.91	17.73	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.83	17.81	17.85	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.78	17.81	17.76	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.89	17.89	17.83	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.85	17.83	17.83	19.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	17.82	17.84	17.86	19.5	0.0

n25_Ant 9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	13.85	13.96	13.91	15.5	0.0
40	P12 BPSK	1	108	13.84	13.89	13.85		
40	P12 BPSK	1	214	13.87	13.95	13.98		
40	P12 BPSK	108	0	13.77	13.97	13.98	15.5	0.0
40	P12 BPSK	108	54	13.77	13.92	13.96	15.5	0.0
40	P12 BPSK	108	108	13.76	13.93	13.93	15.5	0.0
40	P12 BPSK	216	0	13.77	13.88	13.90		
40	QPSK	1	1	13.89	14.01	13.99		
40	QPSK	1	108	13.87	13.91	13.98	15.5	0.0
40	QPSK	1	214	13.78	13.89	13.92	15.5	0.0
40	QPSK	108	0	13.90	13.85	13.90		
40	QPSK	108	54	13.93	13.99	13.94		
40	QPSK	108	108	13.77	13.86	13.89	15.5	0.0
40	QPSK	216	0	13.82	13.98	13.88		
40	16QAM	1	1	13.82	13.95	13.95		
40	64QAM	1	1	13.85	13.90	13.91	15.5	0.0
40	256QAM	1	1	13.75	14.00	13.93	15.5	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	13.80	13.99	13.96	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.80	13.90	13.95	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	13.81	13.87	13.90	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.87	13.90	13.91	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.98	13.91	13.92	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.79	13.99	13.85	15.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	13.88	14.00	13.88	15.5	0.0

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 374500	Power Middle Ch. Freq. 376500	Power High Ch. Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1862.5	1865			
Frequency (MHz)									
40	PV2 BPSK	1	1	14.22	14.28	14.14			
40	PV2 BPSK	1	108	14.23	14.30	14.24	16.0	0.0	
40	PV2 BPSK	1	214	14.23	14.35	14.25			
40	PV2 BPSK	108	0	14.28	14.25	14.20	16.0	0.0	
40	PV2 BPSK	108	54	14.28	14.25	14.18	16.0	0.0	
40	PV2 BPSK	108	108	14.28	14.38	14.20	16.0	0.0	
40	PV2 BPSK	216	0	14.24	14.26	14.15	16.0	0.0	
40	QPSK	1	1	14.31	14.39	14.27			
40	QPSK	1	108	14.20	14.38	14.24	16.0	0.0	
40	QPSK	1	214	14.23	14.30	14.18			
40	QPSK	108	0	14.20	14.24	14.14	16.0	0.0	
40	QPSK	108	54	14.28	14.30	14.20	16.0	0.0	
40	QPSK	108	108	14.16	14.21	14.11	16.0	0.0	
40	QPSK	216	0	14.28	14.30	14.18	16.0	0.0	
40	16QAM	1	1	14.18	14.37	14.19	16.0	0.0	
40	64QAM	1	1	14.28	14.35	14.24	16.0	0.0	
40	256QAM	1	1	14.28	14.33	14.14	16.0	0.0	
Channel				372500	376500	376500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1862.5	1865			
35	QPSK	1	1	14.25	14.38	14.22	16.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	14.21	14.30	14.20	16.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	14.26	14.38	14.24	16.0	0.0	
Channel				372200	376500	377000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	14.17	14.34	14.13	16.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	14.16	14.36	14.14	16.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	14.20	14.30	14.21	16.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	14.23	14.31	14.12	16.0	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	PV2 BPSK	1	1	22.12	22.24	22.11			
20	PV2 BPSK	1	53	22.23	22.24	22.24	24.0	0.0	
20	PV2 BPSK	1	104	22.23	22.20	22.21			
20	PV2 BPSK	50	0	21.58	21.57	21.52	23.5	0.5	
20	PV2 BPSK	50	28	22.05	22.14	22.09	24.0	0.0	
20	PV2 BPSK	50	56	21.52	21.58	21.53	23.5	0.5	
20	PV2 BPSK	100	0	21.59	21.56	21.57	23.5	0.5	
20	QPSK	1	1	22.28	22.37	22.31			
20	QPSK	1	53	22.20	22.28	22.18	24.0	0.0	
20	QPSK	1	104	22.27	22.29	22.28			
20	QPSK	50	0	21.09	21.17	21.12	23.0	1.0	
20	QPSK	50	28	22.08	22.15	22.10	24.0	0.0	
20	QPSK	50	56	21.05	21.15	21.08	23.0	1.0	
20	QPSK	100	0	21.13	21.18	21.16	23.0	1.0	
20	16QAM	1	1	21.41	21.43	21.35	23.0	1.0	
20	64QAM	1	1	19.83	19.88	19.58	21.5	2.5	
20	256QAM	1	1	17.59	17.69	17.62	19.5	4.5	
Channel				164300	166500	166500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.22	22.27	22.21	24.0	0.0	
Channel				163800	166500	166800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.27	22.28	22.21	24.0	0.0	
Channel				163300	166500	166900	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	22.26	22.25	22.29	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Middle Ch. Freq. 166500	Power High Ch. Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	PV2 BPSK	1	1	18.98	19.05	19.04			
20	PV2 BPSK	1	53	18.98	19.05	19.11	20.5	0.0	
20	PV2 BPSK	1	104	19.01	19.10	19.01			
20	PV2 BPSK	50	0	19.02	19.03	19.08	20.5	0.0	
20	PV2 BPSK	50	28	19.07	19.06	19.08	20.5	0.0	
20	PV2 BPSK	50	56	19.08	19.02	19.00	20.5	0.0	
20	PV2 BPSK	100	0	19.02	19.08	19.00			
20	QPSK	1	1	19.09	19.13	19.12			
20	QPSK	1	53	18.95	19.12	19.02	20.5	0.0	
20	QPSK	1	104	19.08	19.02	19.10			
20	QPSK	50	0	18.90	19.04	18.95	20.5	0.0	
20	QPSK	50	28	19.04	19.08	19.05	20.5	0.0	
20	QPSK	50	56	18.96	18.99	19.04	20.5	0.0	
20	QPSK	100	0	19.05	18.99	18.97	20.5	0.0	
20	16QAM	1	1	19.05	19.01	19.07	20.5	0.0	
20	64QAM	1	1	18.86	19.12	19.11	20.5	0.0	
20	256QAM	1	1	17.55	17.59	17.58	19.5	1.0	
Channel				164300	166500	166500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				819	831.5	844			
15	QPSK	1	1	19.01	19.01	19.07	20.5	0.0	
Channel				163800	166500	166800	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	19.05	19.02	19.08	20.5	0.0	
Channel				163300	166500	166900	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	19.08	19.05	19.05	20.5	0.0	

n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2310				
Frequency (MHz)				2310				
10	PQ2 BPSK	1	1	17.16			19.0	0.0
10	PQ2 BPSK	1	26	17.12				
10	PQ2 BPSK	1	50	17.17				
10	PQ2 BPSK	25	0	17.23			19.0	0.0
10	PQ2 BPSK	25	14	17.09			19.0	0.0
10	PQ2 BPSK	25	27	17.20				
10	PQ2 BPSK	50	0	17.18				
10	QPSK	1	1	17.24			19.0	0.0
10	QPSK	1	26	17.16				
10	QPSK	1	50	17.16				
10	QPSK	25	0	17.15			19.0	0.0
10	QPSK	25	14	17.22			19.0	0.0
10	QPSK	25	27	17.08				
10	QPSK	50	0	17.18				
10	16QAM	1	1	17.20			19.0	0.0
10	16QAM	1	1	17.15				
10	256QAM	1	1	17.15				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5	19.0 <td>0.0</td>	0.0
5	QPSK	1	1	17.15	17.00	17.00	19.0	0.0

n30_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2310				
Frequency (MHz)				2310				
10	PQ2 BPSK	1	1	10.89			12.5	0.0
10	PQ2 BPSK	1	26	10.88				
10	PQ2 BPSK	1	50	10.90				
10	PQ2 BPSK	25	0	10.86			12.5	0.0
10	PQ2 BPSK	25	14	10.87			12.5	0.0
10	PQ2 BPSK	25	27	10.82				
10	PQ2 BPSK	50	0	10.88				
10	QPSK	1	1	10.91			12.5	0.0
10	QPSK	1	26	10.84				
10	QPSK	1	50	10.82				
10	QPSK	25	0	10.76			12.5	0.0
10	QPSK	25	14	10.80			12.5	0.0
10	QPSK	25	27	10.78				
10	QPSK	50	0	10.83				
10	16QAM	1	1	10.85			12.5	0.0
10	16QAM	1	1	10.80				
10	256QAM	1	1	10.88				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5	12.5 <td>0.0</td>	0.0
5	QPSK	1	1	10.66	10.87	10.78	12.5	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500		349000		
Frequency (MHz)				1752.5		1745	1757.5	
45	PQ2 BPSK	1	1	18.81	18.93	18.91	20.5	0.0
45	PQ2 BPSK	1	122	18.78	18.89	18.86		
45	PQ2 BPSK	1	240	18.79	18.96	18.80		
45	PQ2 BPSK	120	0	18.78	18.94	18.86	20.5	0.0
45	PQ2 BPSK	120	60	18.82	18.95	18.86	20.5	0.0
45	PQ2 BPSK	120	122	18.81	18.91	18.80		
45	PQ2 BPSK	240	0	18.79	18.89	18.90		
45	QPSK	1	1	18.82	18.88	18.85	20.5	0.0
45	QPSK	1	122	18.88	18.85	18.85		
45	QPSK	1	240	18.80	18.85	18.80		
45	QPSK	120	0	18.81	18.78	18.88	20.5	0.0
45	QPSK	120	60	18.85	18.91	18.89	20.5	0.0
45	QPSK	120	122	18.71	18.77	18.85		
45	QPSK	240	0	18.79	18.90	18.86		
45	16QAM	1	1	18.91	18.92	18.90	20.5	0.0
45	16QAM	1	1	18.91	18.88	18.92		
45	256QAM	1	1	17.62	17.67	17.62	19.5	1.0
Channel				346500	349000	352000	Tune-up limit	MPR
Frequency (MHz)				1750	1745	1760	(dBm)	(dB)
40	QPSK	1	1	18.91	18.90	18.91	20.5	0.0
Channel				345500	349000	352000	Tune-up limit	MPR
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)
35	QPSK	1	1	18.73	18.96	18.91	20.5	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	18.90	18.83	18.91	20.5	0.0
Channel				345500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	18.87	18.94	18.91	20.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	18.87	18.88	18.88	20.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	18.90	18.89	18.94	20.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	18.88	18.90	18.84	20.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	18.88	18.94	18.93	20.5	0.0

0.2

n66_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1732.5	1745	1757.5			
Frequency (MHz)									
45	P22 BPSK	1	1	15.74	15.91	15.75		17.5	0.0
45	P22 BPSK	1	122	15.70	15.99	15.84			
45	P22 BPSK	1	240	15.84	15.94	15.81		17.5	0.0
45	P22 BPSK	120	0	15.83	15.99	15.80			
45	P22 BPSK	120	80	15.74	16.04	15.77		17.5	0.0
45	P22 BPSK	120	122	15.81	15.99	15.83			
45	P22 BPSK	240	0	15.81	16.03	15.79		17.5	0.0
45	QPSK	1	1	15.85	16.00	15.80			
45	QPSK	1	122	15.82	15.91	15.80		17.5	0.0
45	QPSK	1	240	15.71	16.02	15.87			
45	QPSK	120	0	15.80	15.84	15.72		17.5	0.0
45	QPSK	120	80	15.84	15.98	15.80			
45	QPSK	120	122	15.74	15.95	15.66		17.5	0.0
45	QPSK	240	0	15.81	15.95	15.75			
45	16QAM	1	1	15.71	15.91	15.87		17.5	0.0
45	64QAM	1	1	15.70	15.82	15.82			
45	256QAM	1	1	15.75	16.05	15.73		17.5	0.0
Channel				346600	346900	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	15.79	16.00	15.87		17.5	0.0
Channel				345500	346000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	15.71	16.05	15.75		17.5	0.0
Channel				346500	346600	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	15.70	16.03	15.77		17.5	0.0
Channel				345500	345900	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	15.75	16.00	15.78		17.5	0.0
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.79	15.93	15.75		17.5	0.0
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.70	16.05	15.82		17.5	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.71	16.00	15.82		17.5	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.84	15.94	15.86		17.5	0.0
Channel				342000	346000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710	1745	1780			

n66_Ant 1									
BW [MHz]	Modulation	Channel	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1732.5	1745	1757.5		
45	P22 BPSK	1	1	15.27	15.45	15.37		17.0	0.0
45	P22 BPSK	1	122	15.19	15.35	15.27			
45	P22 BPSK	1	240	15.18	15.37	15.24		17.0	0.0
45	P22 BPSK	120	0	15.29	15.46	15.29			
45	P22 BPSK	120	80	15.20	15.40	15.35		17.0	0.0
45	P22 BPSK	120	122	15.21	15.48	15.24			
45	P22 BPSK	240	0	15.22	15.41	15.38		17.0	0.0
45	QPSK	1	1	15.33	15.49	15.39			
45	QPSK	1	122	15.29	15.44	15.34		17.0	0.0
45	QPSK	1	240	15.21	15.43	15.27			
45	QPSK	120	0	15.21	15.42	15.29		17.0	0.0
45	QPSK	120	80	15.20	15.43	15.35			
45	QPSK	120	122	15.24	15.39	15.29		17.0	0.0
45	QPSK	240	0	15.27	15.41	15.29			
45	16QAM	1	1	15.32	15.46	15.38		17.0	0.0
45	64QAM	1	1	15.19	15.40	15.34			
45	256QAM	1	1	15.30	15.45	15.30		17.0	0.0
Channel					346000	346000	352000	Tune-up limit	MPR
Frequency (MHz)					1730	1745	1760		
40	QPSK	1	1	15.23	15.44	15.36		17.0	0.0
Channel					345500	346000	352500	Tune-up limit	MPR
Frequency (MHz)					1727.5	1745	1762.5	(dBm)	(dB)
35	QPSK	1	1	15.11	15.35	15.25		17.0	0.0
Channel					346000	346000	353000	Tune-up limit	MPR
Frequency (MHz)					1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	15.30	15.46	15.32		17.0	0.0
Channel					345000	346000	353000	Tune-up limit	MPR
Frequency (MHz)					1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	15.28	15.35	15.28		17.0	0.0
Channel					344000	346000	354000	Tune-up limit	MPR
Frequency (MHz)					1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	15.22	15.45	15.24		17.0	0.0
Channel					343500	346000	354500	Tune-up limit	MPR
Frequency (MHz)					1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	15.10	15.39	15.29		17.0	0.0
Channel					343000	346000	355000	Tune-up limit	MPR
Frequency (MHz)					1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	15.32	15.42	15.28		17.0	0.0
Channel					342500	346000	355500	Tune-up limit	MPR
Frequency (MHz)					1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	15.16	15.42	15.24		17.0	0.0
Channel					342000	346000	356000	Tune-up limit	MPR
Frequency (MHz)					1710	1745	1780	(dBm)	(dB)

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 346600	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1702.5					
Frequency (MHz)									
15	P22 BPSK	1	1		20.36		21.5	0.0	
15	P22 BPSK	1	40		20.35				
15	P22 BPSK	1	77		20.35		21.5	0.0	
15	P22 BPSK	36	0		20.37				
15	P22 BPSK	36	22		20.41		21.5	0.0	
15	P22 BPSK	36	43		20.41				
15	P22 BPSK	75	0		20.42		21.5	0.0	
15	QPSK	1	1	20.45					
15	QPSK	1	40	20.34			21.5	0.0	
15	QPSK	1	77	20.35					
15	QPSK	36	0	20.35			21.5	0.0	
15	QPSK	36	22	20.39					
15	QPSK	36	43	20.32			21.5	0.0	
15	QPSK	75	0	20.32					
15	16QAM	1	1	20.35			21.5	0.0	
15	64QAM	1	1	19.97					
15	256QAM	1	1	18.03			19.5	2.0	
Channel				346500	346500	341900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.33	20.35	20.42	21.5	0.0	
Channel				336500	340500	341900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.38	20.43	20.34	21.5	0.0	
Channel				336000	340500	341900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			

n70_Ant 9								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	16.59			17.5	0.0
15	PV2 BPSK	1	40	16.46				
15	PV2 BPSK	1	77	16.57				
15	PV2 BPSK	36	0	16.57			17.5	0.0
15	PV2 BPSK	36	22	16.57			17.5	0.0
15	PV2 BPSK	36	43	16.52			17.5	0.0
15	PV2 BPSK	75	0	16.46				
15	QPSK	1	1	16.61				
15	QPSK	1	40	16.58			17.5	0.0
15	QPSK	1	77	16.54			17.5	0.0
15	QPSK	36	0	16.47				
15	QPSK	36	22	16.54				
15	QPSK	36	43	16.44			17.5	0.0
15	QPSK	75	0	16.57			17.5	0.0
15	16QAM	1	1	16.54				
15	16QAM	1	1	16.51				
15	256QAM	1	1	16.58			17.5	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	16.47	16.49	16.52	17.5	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	16.48	16.57	16.49	17.5	0.0

n70_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1702.5				
Frequency (MHz)				1702.5				
15	PV2 BPSK	1	1	15.93			17.0	0.0
15	PV2 BPSK	1	40	15.93				
15	PV2 BPSK	1	77	15.98				
15	PV2 BPSK	36	0	15.88			17.0	0.0
15	PV2 BPSK	36	22	15.90			17.0	0.0
15	PV2 BPSK	36	43	15.94			17.0	0.0
15	PV2 BPSK	75	0	15.89				
15	QPSK	1	1	16.02				
15	QPSK	1	40	15.91			17.0	0.0
15	QPSK	1	77	15.97			17.0	0.0
15	QPSK	36	0	15.92				
15	QPSK	36	22	16.00				
15	QPSK	36	43	15.99			17.0	0.0
15	QPSK	75	0	15.93			17.0	0.0
15	16QAM	1	1	15.89				
15	16QAM	1	1	15.99				
15	256QAM	1	1	16.00			17.0	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	15.98	15.90	15.90	17.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	15.90	15.93	15.87	17.0	0.0

n71_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1360.5				
Frequency (MHz)				1360.5				
35	PV2 BPSK	1	1	22.27			24.0	0.0
35	PV2 BPSK	1	90	22.24				
35	PV2 BPSK	1	186	22.25				
35	PV2 BPSK	90	0	21.67			23.5	0.5
35	PV2 BPSK	90	45	22.12			24.0	0.0
35	PV2 BPSK	90	90	21.56			23.5	0.5
35	PV2 BPSK	180	0	21.51				
35	QPSK	1	1	22.32				
35	QPSK	1	90	22.28			24.0	0.0
35	QPSK	1	186	22.31				
35	QPSK	90	0	21.23				
35	QPSK	90	45	22.21			23.0	1.0
35	QPSK	90	90	21.11			24.0	0.0
35	QPSK	180	0	21.06			23.0	1.0
35	16QAM	1	1	21.56			23.0	1.0
35	16QAM	1	1	19.70			21.5	2.5
35	256QAM	1	1	17.67			19.5	4.5
Channel				135500	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	22.22	22.30	22.17	24.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	22.27	22.22	22.21	24.0	0.0
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	22.26	22.23	22.22	24.0	0.0
Channel				134100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.15	22.23	22.08	24.0	0.0
Channel				133000	136100	139500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.07	22.20	22.06	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.13	22.15	22.09	24.0	0.0

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 150.100	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					680.5				
Frequency (MHz)					20.71				
35	PI2 BPSK	1	1		20.70		22.5	0.0	
35	PI2 BPSK	1	90		20.68				
35	PI2 BPSK	90	0		20.78		22.5	0.0	
35	PI2 BPSK	90	45		20.75		22.5	0.0	
35	PI2 BPSK	90	90		20.72		22.5	0.0	
35	PI2 BPSK	180	0		20.81				
35	QPSK	1	1		20.82				
35	QPSK	1	90		20.76		22.5	0.0	
35	QPSK	1	180		20.81				
35	QPSK	90	0		20.72		22.5	0.0	
35	QPSK	90	45		20.77		22.5	0.0	
35	QPSK	90	90		20.72		22.5	0.0	
35	QPSK	180	0		20.76		22.5	0.0	
35	16QAM	1	1		20.69		22.5	0.0	
35	64QAM	1	1		19.68		21.5	1.0	
35	256QAM	1	1		17.62		19.5	3.0	
Channel					135600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					678	680.5	683		
30	QPSK	1	1	20.58	20.74	20.64	22.5	0.0	
Channel					136100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					678.5	680.5	683.5		
25	QPSK	1	1	20.69	20.74	20.71	22.5	0.0	
Channel					136600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					673	680.5	688		
20	QPSK	1	1	20.65	20.77	20.67	22.5	0.0	
Channel					137100	137100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					670.5	680.5	680.5		
15	QPSK	1	1	20.69	20.80	20.68	22.5	0.0	
Channel					138600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					668	680.5	683		
10	QPSK	1	1	20.65	20.77	20.73	22.5	0.0	
Channel					133100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					665.5	680.5	695.5		
5	QPSK	1	1	20.61	20.80	20.63	22.5	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				5180.04	5190.00	5199.96	2598.98		
40	P1/2 BPSK	1	1	17.36	17.42	17.29			
40	P1/2 BPSK	1	53	17.29	17.41	17.29	19.0	0.0	
40	P1/2 BPSK	1	104	17.36	17.37	17.36			
40	P1/2 BPSK	50	0	17.31	17.43	17.41	19.0	0.0	
40	P1/2 BPSK	50	28	17.41	17.43	17.35	19.0	0.0	
40	P1/2 BPSK	50	56	17.40	17.39	17.38	19.0	0.0	
40	P1/2 BPSK	100	0	17.42	17.45	17.40			
40	QPSK	1	1	17.44	17.49	17.42			
40	QPSK	1	53	17.32	17.36	17.32	19.0	0.0	
40	QPSK	1	104	17.36	17.47	17.42			
40	QPSK	50	0	17.28	17.38	17.29			
40	QPSK	50	28	17.35	17.43	17.41	19.0	0.0	
40	QPSK	50	56	17.33	17.30	17.27			
40	QPSK	100	0	17.32	17.40	17.40	19.0	0.0	
40	16QAM	1	1	17.38	17.43	17.30	19.0	0.0	
40	64QAM	1	1	17.35	17.41	17.34	19.0	0.0	
40	256QAM	1	1	17.32	17.37	17.32	19.0	0.0	
Channel									
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.37	17.34	17.35	19.0	0.0	
Channel									
Frequency (MHz)				5185.04	5190.00	5214.96	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	17.38	17.43	17.38	19.0	0.0	
Channel									
Frequency (MHz)				5190.00	5190.00	5220.00	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.35	17.41	17.29	19.0	0.0	
Channel									
Frequency (MHz)				5195.02	5190.00	5224.98	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.42	17.35	17.23	19.0	0.0	
Channel									
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.42	17.36	17.34	19.0	0.0	

n38_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
40	P1/2 BPSK	1	1	13.29	13.39	13.35			
40	P1/2 BPSK	1	53	13.32	13.48	13.30	15.0	0.0	
40	P1/2 BPSK	1	104	13.35	13.49	13.32			
40	P1/2 BPSK	50	0	13.33	13.48	13.26	15.0	0.0	
40	P1/2 BPSK	50	28	13.42	13.47	13.32	15.0	0.0	
40	P1/2 BPSK	50	56	13.40	13.38	13.25	15.0	0.0	
40	P1/2 BPSK	100	0	13.37	13.40	13.29			
40	QPSK	1	1	13.43	13.50	13.38			
40	QPSK	1	53	13.32	13.38	13.36	15.0	0.0	
40	QPSK	1	104	13.29	13.48	13.28			
40	QPSK	50	0	13.25	13.33	13.30			
40	QPSK	50	28	13.35	13.48	13.35	15.0	0.0	
40	QPSK	50	56	13.31	13.43	13.25			
40	QPSK	100	0	13.32	13.45	13.29	15.0	0.0	
40	16QAM	1	1	13.34	13.45	13.26	15.0	0.0	
40	64QAM	1	1	13.28	13.36	13.24	15.0	0.0	
40	256QAM	1	1	13.39	13.41	13.32	15.0	0.0	
Channel									
Frequency (MHz)				2668.01	2695	2664.00	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.37	13.41	13.29	15.0	0.0	
Channel									
Frequency (MHz)				518504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.32	13.35	13.26	15.0	0.0	
Channel									
Frequency (MHz)				519000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.41	13.35	13.25	15.0	0.0	
Channel									
Frequency (MHz)				2677.51	2695	2672.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.37	13.47	13.33	15.0	0.0	
Channel									
Frequency (MHz)				2672.52	2695	2674.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.30	13.42	13.35	15.0	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Aide Ch./Freq.	Power Aide Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2595.02		2595.98			
40	P1/2 BPSK	1	1	11.89	11.94	11.91			
40	P1/2 BPSK	1	53	11.81	11.95	11.83	13.5	0.0	
40	P1/2 BPSK	1	104	11.83	11.92	11.78			
40	P1/2 BPSK	50	0	11.79	11.90	11.79	13.5	0.0	
40	P1/2 BPSK	50	28	11.79	11.94	11.86	13.5	0.0	
40	P1/2 BPSK	50	56	11.89	11.84	11.89	13.5	0.0	
40	P1/2 BPSK	100	0	11.90	11.85	11.86			
40	QPSK	1	1	11.91	11.96	11.92			
40	QPSK	1	53	11.85	11.95	11.80	13.5	0.0	
40	QPSK	1	104	11.78	11.87	11.81			
40	QPSK	50	0	11.86	11.80	11.82			
40	QPSK	50	28	11.87	11.92	11.85	13.5	0.0	
40	QPSK	50	56	11.83	11.88	11.71			
40	QPSK	100	0	11.92	11.90	11.79	13.5	0.0	
40	16QAM	1	1	11.77	11.82	11.85	13.5	0.0	
40	64QAM	1	1	11.83	11.84	11.90	13.5	0.0	
40	256QAM	1	1	11.88	11.95	11.85	13.5	0.0	
Channel									
Frequency (MHz)				517002	518000	520098	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	11.80	11.81	11.87	13.5	0.0	
Channel									
Frequency (MHz)				518504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	11.89	11.87	11.81	13.5	0.0	
Channel									
Frequency (MHz)				519000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	11.85	11.91	11.85	13.5	0.0	
Channel									
Frequency (MHz)				519502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	11.83	11.83	11.84	13.5	0.0	
Channel									
Frequency (MHz)				257502	259500	261498	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	11.78	11.95	11.77	13.5	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									
Frequency (MHz)				2560.02	2555	2559.98			
40	P2-BPSK	1	1	21.69	21.76	21.67			
40	P2-BPSK	1	53	21.78	21.71	21.66	23.5	0.0	
40	P2-BPSK	1	104	21.70	21.61	21.68			
40	P2-BPSK	50	0	21.70	21.72	21.60	23.5	0.0	
40	P2-BPSK	50	28	21.71	21.73	21.67	23.5	0.0	
40	P2-BPSK	50	56	21.63	21.68	21.54	23.5	0.0	
40	P2-BPSK	100	0	21.59	21.65	21.54			
40	QPSK	1	1	21.70	21.63	21.71			
40	QPSK	1	53	21.70	21.76	21.59	23.5	0.0	
40	QPSK	1	104	21.70	21.71	21.66			
40	QPSK	50	0	21.62	21.56	21.59			
40	QPSK	50	28	21.65	21.74	21.59	23.5	0.0	
40	QPSK	50	56	21.68	21.54	21.04			
40	QPSK	100	0	21.17	21.47	21.11	23.0	0.0	
40	16QAM	1	1	21.56	21.45	21.40	23.0	0.0	
40	64QAM	1	1	19.60	19.63	19.69	21.5	2.0	
40	256QAM	1	1	17.85	17.60	17.54	19.5	4.0	
Channel									
Frequency (MHz)				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.75	21.81	21.71	23.5	0.0	
Channel									
Frequency (MHz)				516000	519000	521996	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.76	21.82	21.64	23.5	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.72	21.82	21.64	23.5	0.0	
Channel									
Frequency (MHz)				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.60	21.77	21.71	23.5	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.77	21.72	21.72	23.5	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2446.01	2502.99	2420			
100	P2-BPSK	1	1	17.56	17.62	17.51			
100	P2-BPSK	1	137	17.57	17.64	17.53	19.0	0.0	0.0
100	P2-BPSK	1	271	17.55	17.54	17.57			
100	P2-BPSK	135	0	17.52	17.56	17.47	19.0	0.0	0.0
100	P2-BPSK	135	69	17.58	17.63	17.55	19.0	0.0	0.0
100	P2-BPSK	135	138	17.46	17.56	17.53	19.0	0.0	0.0
100	P2-BPSK	270	0	17.52	17.60	17.45			
100	QPSK	1	1	17.55	17.58	17.50			
100	QPSK	1	137	17.52	17.62	17.52	19.0	0.0	0.0
100	QPSK	1	271	17.54	17.63	17.47			
100	QPSK	135	0	17.45	17.60	17.51			
100	QPSK	135	69	17.54	17.62	17.54	19.0	0.0	0.0
100	QPSK	135	138	17.49	17.51	17.52			
100	QPSK	270	0	17.46	17.61	17.47	19.0	0.0	0.0
100	16QAM	1	1	17.58	17.62	17.51	19.0	0.0	0.0
100	64QAM	1	1	17.51	17.65	17.45	19.0	0.0	0.0
100	256QAM	1	1	17.47	17.63	17.55	19.0	0.0	0.0
Channel									
Frequency (MHz)				2541	2592.99	2644.95			
90	QPSK	1	1	17.45	17.67	17.52	19.0		
Channel									
Frequency (MHz)				507204	518596	520998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.48	17.63	17.53	19.0		
Channel									
Frequency (MHz)				506202	518596	521000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	17.51	17.63	17.49	19.0		
Channel									
Frequency (MHz)				505200	518596	521096	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	17.45	17.57	17.47	19.0		
Channel									
Frequency (MHz)				504204	518596	521096	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	17.47	17.64	17.53	19.0		
Channel									
Frequency (MHz)				503190	518596	521096	Tune-up limit (dBm)	MPR (dB)	
45	QPSK	1	1	17.56	17.58	17.48	19.0		
Channel									
Frequency (MHz)				503202	518596	521000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	17.55	17.63	17.52	19.0		
Channel									
Frequency (MHz)				502194	518596	521498	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	17.40	17.63	17.42	19.0		
Channel									
Frequency (MHz)				502200	518596	521496	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.51	17.66	17.54	19.0		
Channel									
Frequency (MHz)				501192	518596	521748	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	17.56	17.59	17.46	19.0		
Channel									
Frequency (MHz)				501204	518596	521598	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.55	17.61	17.47	19.0		
Channel									
Frequency (MHz)				500190	518596	521496	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.54	17.57	17.56	19.0		
Channel									
Frequency (MHz)				500202	518596	521000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.47	17.60	17.55	19.0		

FCC_n41(HPUe)_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch Freq.	Power Mid Ch Freq.	Power Low Ch Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (Mhz)				2546.02	2552.99	2540			
100	P2 BPSK	1	1	20.61	20.71	20.68			
100	P2 BPSK	1	137	20.65	20.72	20.65	22.0	0.0	
100	P2 BPSK	1	271	20.53	20.63	20.68			
100	P2 BPSK	135	0	20.61	20.68	20.69	22.0	0.0	
100	P2 BPSK	135	69	20.52	20.64	20.66	22.0	0.0	
100	P2 BPSK	135	138	20.51	20.74	20.72	22.0	0.0	
100	P2 BPSK	270	0	20.64	20.71	20.71			
100	QPSK	1	1	20.65	20.77	20.74			
100	QPSK	1	137	20.50	20.71	20.66	22.0	0.0	
100	QPSK	1	271	20.61	20.70	20.68			
100	QPSK	135	0	20.48	20.67	20.58			
100	QPSK	135	69	20.61	20.73	20.65	22.0	0.0	
100	QPSK	135	138	20.52	20.72	20.63			
100	QPSK	270	0	20.56	20.67	20.60	22.0	0.0	
100	16QAM	1	1	20.55	20.67	20.67	22.0	0.0	
100	64QAM	1	1	20.50	20.75	20.72	22.0	0.0	
100	256QAM	1	1	20.50	20.64	20.64	22.0	0.0	
Channel									
Frequency (Mhz)				509200	518596	520792	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	20.54	20.76	20.64	22.0		
Channel									
Frequency (Mhz)				507204	518596	520998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.52	20.75	20.65	22.0		
Channel									
Frequency (Mhz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	23.11	23.92	20.65	22.0		
Channel									
Frequency (Mhz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	20.50	20.69	20.71	22.0	0.0	
Channel									
Frequency (Mhz)				504200	518598	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.12	23.92	20.64	22.0		
Channel									
Frequency (Mhz)				503200	518598	533998	Tune-up limit (dBm)	MPR (dB)	
45	QPSK	1	1	20.54	20.74	20.62	22.0	0.0	
Channel									
Frequency (Mhz)				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.11	23.92	20.67	22.0		
Channel									
Frequency (Mhz)				502700	518598	532996	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	20.55	20.69	20.70	22.0	0.0	
Channel									
Frequency (Mhz)				501602	518598	534000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.11	23.92	20.70	22.0		
Channel									
Frequency (Mhz)				500200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	20.58	20.71	20.62	22.0	0.0	
Channel									
Frequency (Mhz)				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.03	23.92	20.75	22.0		
Channel									
Frequency (Mhz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.62	20.62	20.62	22.0	0.0	
Channel									
Frequency (Mhz)				500602	518598	536998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.06	20.63	20.66	22.0	0.0	
Channel									
Frequency (Mhz)				500100	518598	537500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.03	20.62	20.68	22.0	0.0	
Channel									
Frequency (Mhz)				500300	518598	537848	Tune-up limit (dBm)	MPR (dB)	
0	QPSK	1	1	20.52	20.62	20.68	22.0	0.0	

FCC_n41_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				500202	518598	536900				
Frequency (MHz)				2546.01	2592.99	2640				
100	P2-BPSK	1	1	13.53	13.58	13.48				
100	P2-BPSK	1	137	13.58	13.50	13.52	15.0	0.0		
100	P2-BPSK	1	271	13.57	13.50	13.43				
100	P2-BPSK	135	0	13.57	13.48	13.48	15.0	0.0		
100	P2-BPSK	135	69	13.57	13.49	13.42	15.0	0.0		
100	P2-BPSK	135	138	13.53	13.60	13.50	15.0	0.0		
100	P2-BPSK	270	0	13.50	13.57	13.53				
100	QPSK	1	1	13.52	13.63	13.54				
100	QPSK	1	137	13.52	13.53	13.49	15.0	0.0		
100	QPSK	1	271	13.47	13.50	13.43				
100	QPSK	135	0	13.50	13.50	13.44				
100	QPSK	135	69	13.54	13.60	13.48	15.0	0.0		
100	QPSK	135	138	13.43	13.46	13.35				
100	QPSK	270	0	13.47	13.50	13.40	15.0	0.0		
100	16QAM	1	1	13.50	13.50	13.53	15.0	0.0		
100	64QAM	1	1	13.50	13.53	13.45	15.0	0.0		
100	256QAM	1	1	13.53	13.57	13.43	15.0	0.0		
Channel				500200	518598	535998				
Frequency (MHz)				2541	2592.99	2644.88				
90	QPSK	1	1	13.50	13.52	13.43	15.0	0.0		
Channel				507204	518598	529998				
Frequency (MHz)				2638.02	2692.99	2648.99				
80	QPSK	1	1	13.48	13.62	13.43	15.0	0.0		
Channel				506202	518598	531000				
Frequency (MHz)				2631.01	2692.99	2695				
70	QPSK	1	1	13.54	13.59	13.50	15.0	0.0		
Channel				505200	518598	531996				
Frequency (MHz)				2528	2592.99	2659.98				
60	QPSK	1	1	13.41	13.50	13.43	15.0	0.0		
Channel				504204	518598	535998				
Frequency (MHz)				2621.02	2692.99	2664.99				
50	QPSK	1	1	13.60	13.56	13.45	15.0	0.0		
Channel				503700	518598	534996				
Frequency (MHz)				2618.15	2692.99	2692.48				
45	QPSK	1	1	13.51	13.50	13.47	15.0	0.0		
Channel				503202	518598	534000				
Frequency (MHz)				2616.01	2692.99	2692				
40	QPSK	1	1	13.47	13.56	13.41	15.0	0.0		
Channel				502704	518598	534996				
Frequency (MHz)				2613.52	2692.99	2672.43				
35	QPSK	1	1	13.60	13.61	13.50	15.0	0.0		
Channel				502200	518598	534996				
Frequency (MHz)				2611	2692.99	2674.98				
30	QPSK	1	1	13.59	13.62	13.41	15.0	0.0		
Channel				501702	518598	535998				
Frequency (MHz)				2608.51	2692.99	2677.5				
25	QPSK	1	1	13.54	13.57	13.48	15.0	0.0		
Channel				501204	518598	535998				
Frequency (MHz)				2606.02	2692.99	2678.99				
20	QPSK	1	1	13.54	13.49	13.44	15.0	0.0		
Channel				500700	518598	536496				
Frequency (MHz)				2603.15	2692.99	2692.48				
15	QPSK	1	1	13.59	13.54	13.42	15.0	0.0		
Channel				500202	518598	537000				
Frequency (MHz)				2601.01	2692.99	2685				
10	QPSK	1	1	13.50	13.50	13.50	15.0	0.0		

FCC_n41(HPUE)_Ant 9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)		
Channel				500202	518598	536900				
Frequency (MHz)				2546.01	2592.99	2643				
100	P2-BPSK	1	1	16.70	16.75	16.64				
100	P2-BPSK	1	137	16.70	16.70	16.75	18.0	0.0		
100	P2-BPSK	1	271	16.61	16.76	16.60				
100	P2-BPSK	135	0	16.74	16.76	16.65	18.0	0.0		
100	P2-BPSK	135	69	16.76	16.87	16.70	18.0	0.0		
100	P2-BPSK	135	138	16.74	16.82	16.69	18.0	0.0		
100	P2-BPSK	270	0	16.62	16.75	16.65	18.0	0.0		
100	QPSK	1	1	16.64	16.68	16.70				
100	QPSK	1	137	16.74	16.75	16.64	18.0	0.0		
100	QPSK	1	271	16.62	16.66	16.70				
100	QPSK	135	0	16.66	16.65	16.67				
100	QPSK	135	69	16.77	16.88	16.71	18.0	0.0		
100	QPSK	135	138	16.70	16.80	16.60				
100	QPSK	270	0	16.66	16.65	16.65	18.0	0.0		
100	16QAM	1	1	16.62	16.77	16.75	18.0	0.0		
100	64QAM	1	1	16.62	16.79	16.72	18.0	0.0		
100	256QAM	1	1	16.74	16.81	16.76	18.0	0.0		
Channel				500200	518598	535998				
Frequency (MHz)				2541	2592.99	2644.88				
90	QPSK	1	1	16.76	16.81	16.71	18.0	0.0		
Channel				507204	518598	529998				
Frequency (MHz)				2638.02	2692.99	2648.99				
80	QPSK	1	1	16.78	16.77	16.75	18.0	0.0		
Channel				506202	518598	531000				
Frequency (MHz)				2631.01	2692.99	2695				
70	QPSK	1	1	16.82	16.83	16.69	18.0	0.0		
Channel				505200	518598	531996				
Frequency (MHz)				2528	2592.99	2659.98				
60	QPSK	1	1	16.75	16.84	16.65	18.0	0.0		
Channel				504204	518598	535998				
Frequency (MHz)				2621.02	2692.99	2664.99				
50	QPSK	1	1	16.82	16.77	16.65	18.0	0.0		
Channel				503700	518598	534996				
Frequency (MHz)				2618.15	2692.99	2692.48				
45	QPSK	1	1	16.79	16.78	16.77	18.0	0.0		
Channel				503202	518598	534000				
Frequency (MHz)				2616.01	2692.99	2692				
40	QPSK	1	1	16.74	16.75	16.72	18.0	0.0		
Channel				502704	518598	534996				
Frequency (MHz)				2613.52	2692.99	2672.43				
35	QPSK	1	1	16.72	16.81	16.70	18.0	0.0		
Channel				502200	518598	534996				
Frequency (MHz)				2611	2692.99	2674.98				
30	QPSK	1	1	16.78	16.77	16.67	18.0	0.0		
Channel				501702	518598	535998				
Frequency (MHz)				2608.51	2692.99	2677.5				
25	QPSK	1	1	16.78	16.73	16.71	18.0	0.0		
Channel				501204	518598	535998				
Frequency (MHz)				2606.02	2692.99	2678.99				
20	QPSK	1	1	16.74	16.76	16.77	18.0	0.0		
Channel				500700	518598	536496				
Frequency (MHz)				2603.5	2692.99	2682.48				
15	QPSK	1	1	16.76	16.81	16.67	18.0	0.0		
Channel				500202	518598	537998				
Frequency (MHz)				2603.01	2692.99	2693				
10	QPSK	1	1	16.84	16.84	16.75	18.0	0.0		

FCC_n41(HPUe)_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)				2546.01	2592.99	2640				
100	P2-BPSK	1	1	15.18	15.24	15.29				
100	P2-BPSK	1	137	15.11	15.29	15.25	16.5	0.0		
100	P2-BPSK	1	271	15.21	15.31	15.13				
100	P2-BPSK	135	0	15.14	15.32	15.17	16.5	0.0		
100	P2-BPSK	135	69	15.08	15.31	15.13	16.5	0.0		
100	P2-BPSK	135	138	15.16	15.31	15.13	16.5	0.0		
100	P2-BPSK	270	0	15.14	15.25	15.15	16.5	0.0		
100	QPSK	1	1	15.22	15.38	15.27				
100	QPSK	1	137	15.19	15.22	15.14	16.5	0.0		
100	QPSK	1	271	15.12	15.35	15.14				
100	QPSK	135	0	15.03	15.16	15.20				
100	QPSK	135	69	15.14	15.31	15.24	16.5	0.0		
100	QPSK	135	138	15.00	15.25	15.09				
100	QPSK	270	0	15.08	15.27	15.16	16.5	0.0		
100	16QAM	1	1	15.13	15.21	15.14	16.5	0.0		
100	64QAM	1	1	15.14	15.33	15.18	16.5	0.0		
100	256QAM	1	1	15.16	15.27	15.17	16.5	0.0		
Channel										
Frequency (MHz)				2541	2592.99	2644.88				
90	QPSK	1	1	15.12	15.23	15.18	16.5	0.0		
Channel										
Frequency (MHz)				5072.04	5189.88	5299.88				
Frequency (MHz)				2638.02	2592.99	2648.99				
80	QPSK	1	1	15.07	15.31	15.26	16.5	0.0		
Channel										
Frequency (MHz)				5062.02	5189.88	5310.00				
Frequency (MHz)				2531.01	2592.99	2625				
70	QPSK	1	1	15.14	15.24	15.19	16.5	0.0		
Channel										
Frequency (MHz)				5050.00	5189.88	5319.86				
Frequency (MHz)				2528	2592.99	2659.98				
60	QPSK	1	1	15.10	15.23	15.16	16.5	0.0		
Channel										
Frequency (MHz)				5045.04	5189.88	5359.88				
Frequency (MHz)				2621.02	2592.99	2664.99				
50	QPSK	1	1	15.20	15.33	15.17	16.5	0.0		
Channel										
Frequency (MHz)				5037.00	5189.88	5349.86				
Frequency (MHz)				2518.5	2592.99	2627.48				
45	QPSK	1	1	15.08	15.31	15.18	16.5	0.0		
Channel										
Frequency (MHz)				5032.02	5189.88	5340.00				
Frequency (MHz)				2616.01	2592.99	2678				
40	QPSK	1	1	15.13	15.31	15.25	16.5	0.0		
Channel										
Frequency (MHz)				5027.04	5189.88	5349.88				
Frequency (MHz)				2513.52	2592.99	2572.49				
35	QPSK	1	1	15.11	15.23	15.14	16.5	0.0		
Channel										
Frequency (MHz)				5022.00	5189.88	5349.86				
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	15.19	15.30	15.14	16.5	0.0		
Channel										
Frequency (MHz)				5017.02	5189.88	5359.93				
Frequency (MHz)				2508.51	2592.99	2677.5				
25	QPSK	1	1	15.09	15.25	15.28	16.5	0.0		
Channel										
Frequency (MHz)				5012.04	5189.88	5359.88				
Frequency (MHz)				2606.02	2592.99	2678.99				
20	QPSK	1	1	15.16	15.28	15.22	16.5	0.0		
Channel										
Frequency (MHz)				5007.00	5189.88	5364.96				
Frequency (MHz)				2603.5	2592.99	2692.48				
15	QPSK	1	1	15.14	15.27	15.22	16.5	0.0		
Channel										
Frequency (MHz)				5002.02	5189.88	5370.00				
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	15.18	15.24	15.12	16.5	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)		
Channel										
Frequency (MHz)				2546.01	2592.99	2640				
100	P2-BPSK	1	1	22.10	22.19	22.17				
100	P2-BPSK	1	137	22.01	22.20	22.16	23.5	0.0		
100	P2-BPSK	1	271	22.00	22.09	22.08				
100	P2-BPSK	135	0	21.81	21.80	21.68	23.5	0.0		
100	P2-BPSK	135	69	22.07	22.14	22.21	23.5	0.0		
100	P2-BPSK	135	138	21.29	21.38	21.35	23.5	0.0		
100	P2-BPSK	270	0	21.41	21.51	21.46				
100	QPSK	1	1	22.13	22.24	22.23				
100	QPSK	1	137	22.06	22.15	22.17	23.5	0.0		
100	QPSK	1	271	21.98	22.17	22.11				
100	QPSK	135	0	21.70	21.73	21.67				
100	QPSK	135	69	22.05	22.18	22.17	23.5	0.0		
100	QPSK	135	138	21.26	21.36	21.39				
100	QPSK	270	0	21.53	21.64	21.64	23.0	0.5		
100	16QAM	1	1	21.88	21.82	21.60	23.0	0.5		
100	64QAM	1	1	19.84	19.86	19.79	21.5	2.0		
100	256QAM	1	1	17.79	17.85	17.67	19.5	4.0		
Channel										
Frequency (MHz)				2541	2592.99	2644.88				
90	QPSK	1	1	22.03	22.18	22.16	23.5	0.0		
Channel										
Frequency (MHz)				5072.04	5189.88	5299.88				
Frequency (MHz)				2638.02	2592.99	2648.99				
80	QPSK	1	1	22.07	22.10	22.16	23.5	0.0		
Channel										
Frequency (MHz)				5062.02	5189.88	5310.00				
Frequency (MHz)				2531.01	2592.99	2625				
70	QPSK	1	1	22.04	22.13	22.20	23.5	0.0		
Channel										
Frequency (MHz)				5050.00	5189.88	5319.86				
Frequency (MHz)				2528	2592.99	2659.98				
60	QPSK	1	1	22.05	22.09	22.22	23.5	0.0		
Channel										
Frequency (MHz)				5045.04	5189.88	5359.88				
Frequency (MHz)				2621.02	2592.99	2664.99				
50	QPSK	1	1	22.10	22.12	22.13	23.5	0.0		
Channel										
Frequency (MHz)				5037.00	5189.88	5349.86				
Frequency (MHz)				2518.5	2592.99	2627.48				
45	QPSK	1	1	22.08	22.10	22.15	23.5	0.0		
Channel										
Frequency (MHz)				5032.02	5189.88	5340.00				
Frequency (MHz)				2616.01	2592.99	2678				
40	QPSK	1	1	22.07	22.19	22.09	23.5	0.0		
Channel										
Frequency (MHz)				5027.04	5189.88	5349.88				
Frequency (MHz)				2513.52	2592.99	2572.49				
35	QPSK	1	1	22.06	22.13	22.13	23.5	0.0		
Channel										
Frequency (MHz)				5022.00	5189.88	5349.86				
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	22.05	22.16	22.19	23.5	0.0		
Channel										
Frequency (MHz)				5017.02	5189.88	5359.93				
Frequency (MHz)				2508.51	2592.99	2677.5				
25	QPSK	1	1	22.08	22.22	22.15	23.5	0.0		
Channel										
Frequency (MHz)				5012.04	5189.88	5359.88				
Frequency (MHz)				2606.02	2592.99	2678.99				
20	QPSK	1	1	22.05	22.19	22.17	23.5	0.0		
Channel										
Frequency (MHz)				5007.04	5189.88	5349.88				
Frequency (MHz)				2603.5	2592.99	2662.48				
16	QPSK	1	1	22.05	22.23	22.08	23.5	0.0		
Channel										
Frequency (MHz)				5002.02	5189.88	5370.00				
Frequency (MHz)				2601.01	2592.99	2674.99				
10	QPSK	1	1	21.98	22.12	22.16	23.5	0.0		



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				636900	641666	646332	13.5	0.0	
Frequency (MHz)				3070	3024.99	3079.98			
40	P12 BPSK	1	1	11.92	11.97	11.87	13.5	0.0	
40	P12 BPSK	1	53	11.93	11.89	11.91			
40	P12 BPSK	1	104	11.91	11.86	11.81	13.5	0.0	
40	P12 BPSK	50	0	11.87	11.99	11.84			
40	P12 BPSK	50	28	11.94	11.86	11.86	13.5	0.0	
40	P12 BPSK	50	56	11.81	11.88	11.84			
40	P12 BPSK	100	0	11.89	11.87	11.87	13.5	0.0	
40	QPSK	1	1	11.95	12.00	11.90			
40	QPSK	1	53	11.86	11.98	11.83	13.5	0.0	
40	QPSK	1	104	11.94	11.86	11.86			
40	QPSK	50	0	11.73	11.87	11.80	13.5	0.0	
40	QPSK	50	28	11.87	11.97	11.93			
40	QPSK	50	56	11.86	11.86	11.89	13.5	0.0	
40	QPSK	100	0	11.86	11.96	11.86			
40	16QAM	1	1	11.85	11.93	11.84	13.5	0.0	
40	64QAM	1	1	11.89	11.99	11.82			
40	256QAM	1	1	11.85	11.85	11.85	13.5	0.0	
Channel				637098	641666	646332			
Frequency (MHz)				3065.02	3024.99	3064.99			
30	QPSK	1	1	11.87	11.98	11.93	13.5	0.0	
Channel				637334	641666	646000			
Frequency (MHz)				3063.91	3024.99	3064.99			
20	QPSK	1	1	11.85	11.91	11.81	13.5	0.0	
Channel				637168	641666	646166			
Frequency (MHz)				3057.52	3024.99	3062.49			
15	QPSK	1	1	11.84	11.92	11.83	13.5	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3055	3024.99	3064.98			
10	QPSK	1	1	11.83	11.87	11.94	13.5		

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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				636900	641666	646332	17.0	0.0			
Frequency (MHz)				3070	3024.99	3079.98					
40	P12 BPSK	1	1	15.36	15.45	15.37	17.0	0.0			
40	P12 BPSK	1	53	15.26	15.48	15.39					
40	P12 BPSK	1	104	15.29	15.48	15.34	17.0	0.0			
40	P12 BPSK	50	0	15.27	15.52	15.38					
40	P12 BPSK	50	28	15.33	15.47	15.39	17.0	0.0			
40	P12 BPSK	50	56	15.29	15.51	15.27					
40	P12 BPSK	100	0	15.30	15.41	15.31	17.0	0.0			
40	QPSK	1	1	15.37	15.54	15.45					
40	QPSK	1	53	15.28	15.48	15.36	17.0	0.0			
40	QPSK	1	104	15.31	15.48	15.36					
40	QPSK	50	0	15.32	15.39	15.22	17.0	0.0			
40	QPSK	50	28	15.35	15.48	15.37					
40	QPSK	50	56	15.32	15.40	15.34	17.0	0.0			
40	QPSK	100	0	15.33	15.46	15.32					
40	16QAM	1	1	15.29	15.46	15.27	17.0	0.0			
40	64QAM	1	1	15.29	15.43	15.31					
40	256QAM	1	1	15.32	15.52	15.34	17.0	0.0			
Channel				637098	641666	646332					
Frequency (MHz)				3065.02	3024.99	3064.99	Tune-up limit (dBm)				
30	QPSK	1	1	15.26	15.41	15.40	17.0	0.0			
Channel				637334	641666	646000					
Frequency (MHz)				3063.91	3024.99	3064.99	Tune-up limit (dBm)				
20	QPSK	1	1	15.33	15.51	15.36	17.0	0.0			
Channel				637168	641666	646166					
Frequency (MHz)				3057.52	3024.99	3062.49	Tune-up limit (dBm)				
15	QPSK	1	1	15.23	15.50	15.40	17.0	0.0			
Channel				637000	641666	646332					
Frequency (MHz)				3055	3024.98	3064.98	Tune-up limit (dBm)				
10	QPSK	1	1	15.31	15.49	15.36	17.0				

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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				636900	641666	646332	15.0	0.0			
Frequency (MHz)				3070	3024.99	3079.98					
40	P12 BPSK	1	1	13.66	13.79	13.61	15.0	0.0			
40	P12 BPSK	1	53	13.72	13.76	13.63					
40	P12 BPSK	1	104	13.62	13.84	13.64	15.0	0.0			
40	P12 BPSK	50	0	13.59	13.80	13.62					
40	P12 BPSK	50	28	13.60	13.74	13.57	15.0	0.0			
40	P12 BPSK	50	56	13.69	13.72	13.56					
40	P12 BPSK	100	0	13.60	13.77	13.59	15.0	0.0			
40	QPSK	1	1	13.71	13.87	13.67					
40	QPSK	1	53	13.69	13.77	13.58	15.0	0.0			
40	QPSK	1	104	13.64	13.80	13.64					
40	QPSK	50	0	13.65	13.77	13.66	15.0	0.0			
40	QPSK	50	28	13.69	13.83	13.60					
40	QPSK	50	56	13.57	13.71	13.53	15.0	0.0			
40	QPSK	100	0	13.67	13.76	13.57					
40	16QAM	1	1	13.64	13.79	13.65	15.0	0.0			
40	64QAM	1	1	13.72	13.74	13.52					
40	256QAM	1	1	13.62	13.75	13.63	15.0	0.0			
Channel				637098	641666	646332					
Frequency (MHz)				3065.02	3024.99	3064.99	Tune-up limit (dBm)				
30	QPSK	1	1	13.59	13.84	13.53	15.0	0.0			
Channel				637334	641666	646000					
Frequency (MHz)				3063.91	3024.99	3064.99	Tune-up limit (dBm)				
20	QPSK	1	1	13.68	13.74	13.65	15.0	0.0			
Channel				637168	641666	646166					
Frequency (MHz)				3057.52	3024.99	3062.49	Tune-up limit (dBm)				
15	QPSK	1	1	13.60	13.73	13.61	15.0	0.0			
Channel				637000	641666	646332					
Frequency (MHz)				3055	3024.99	3064.98	Tune-up limit (dBm)				
10	QPSK	1	1	13.72	13.73	13.55	15.0				

Part270_n77_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									
Frequency (MHz)				3750	3840	3930			
100	P2-BPSK	1	1	10.62	10.76	10.75			
100	P2-BPSK	1	137	10.58	10.70	10.64	12.5	0.0	
100	P2-BPSK	1	271	10.54	10.70	10.75			
100	P2-BPSK	135	0	10.60	10.67	10.68	12.5	0.0	
100	P2-BPSK	135	69	10.58	10.76	10.72	12.5	0.0	
100	P2-BPSK	135	138	10.62	10.76	10.71	12.5	0.0	
100	P2-BPSK	270	0	10.53	10.66	10.67			
100	QPSK	1	1	10.64	10.62	10.77			
100	QPSK	1	137	10.59	10.75	10.71	12.5	0.0	
100	QPSK	1	271	10.56	10.66	10.75			
100	QPSK	135	0	10.61	10.67	10.68			
100	QPSK	135	69	10.62	10.76	10.73	12.5	0.0	
100	QPSK	135	138	10.61	10.74	10.65			
100	QPSK	270	0	10.54	10.74	10.71	12.5	0.0	
100	16QAM	1	1	10.50	10.66	10.75	12.5	0.0	
100	64QAM	1	1	10.60	10.76	10.72	12.5	0.0	
100	256QAM	1	1	10.54	10.81	10.72	12.5	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	10.59	10.76	10.75	12.5	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	10.63	10.67	10.67	12.5	0.0	
Channel									
Frequency (MHz)				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	10.57	10.70	10.69	12.5	0.0	
Channel									
Frequency (MHz)				648698	650000	650332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	10.63	10.70	10.70	12.5	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	10.57	10.70	10.69	12.5	0.0	
Channel									
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	10.56	10.70	10.74	12.5	0.0	
Channel									
Frequency (MHz)				647068	650000	654332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	10.58	10.75	10.65	12.5	0.0	
Channel									
Frequency (MHz)				647900	650000	654900	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	10.53	10.80	10.75	12.5	0.0	
Channel									
Frequency (MHz)				647234	650000	654666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	10.58	10.76	10.65	12.5	0.0	
Channel									
Frequency (MHz)				647700	650000	655112	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	10.54	10.74	10.62	12.5	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	10.52	10.67	10.75	12.5	0.0	

Part270_n77(HPUe)_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									
Frequency (MHz)				3750	3840	3930			
100	P2-BPSK	1	1	13.71	13.75	13.75			
100	P2-BPSK	1	137	13.66	13.75	13.74	15.5	0.0	
100	P2-BPSK	1	271	13.69	13.82	13.87			
100	P2-BPSK	135	0	13.65	13.74	13.81	15.5	0.0	
100	P2-BPSK	135	69	13.60	13.82	13.74	15.5	0.0	
100	P2-BPSK	135	138	13.62	13.73	13.67	15.5	0.0	
100	P2-BPSK	270	0	13.71	13.82	13.75			
100	QPSK	1	1	13.74	13.85	13.82			
100	QPSK	1	137	13.69	13.73	13.73	15.5	0.0	
100	QPSK	1	271	13.62	13.76	13.67			
100	QPSK	135	0	13.68	13.75	13.81			
100	QPSK	135	69	13.65	13.84	13.74	15.5	0.0	
100	QPSK	135	138	13.65	13.72	13.66			
100	QPSK	270	0	13.61	13.76	13.73	15.5	0.0	
100	16QAM	1	1	13.63	13.75	13.68	15.5	0.0	
100	64QAM	1	1	13.62	13.81	13.67	15.5	0.0	
100	256QAM	1	1	13.73	13.75	13.78	15.5	0.0	
Channel									
Frequency (MHz)				649598	650000	650232	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	13.70	13.77	13.75	15.5	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	13.63	13.83	13.74	15.5	0.0	
Channel									
Frequency (MHz)				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	13.67	13.82	13.73	15.5	0.0	
Channel									
Frequency (MHz)				648698	650000	650332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	13.60	13.75	13.67	15.5	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	13.66	13.75	13.75	15.5	0.0	
Channel									
Frequency (MHz)				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	13.69	13.79	13.79	15.5	0.0	
Channel									
Frequency (MHz)				647068	650000	654332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.65	13.83	13.77	15.5	0.0	
Channel									
Frequency (MHz)				647900	650000	654900	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.65	13.72	13.71	15.5	0.0	
Channel									
Frequency (MHz)				647234	650000	654666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.70	13.74	13.70	15.5	0.0	
Channel									
Frequency (MHz)				647700	650000	655112	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.65	13.85	13.77	15.5	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.59	13.83	13.71	15.5	0.0	

Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98	633332				
100	P2-BPSK	1	1	13.39					
100	P2-BPSK	1	137	13.36			15.0	0.0	
100	P2-BPSK	1	271	13.29					
100	P2-BPSK	135	0	13.30			15.0	0.0	
100	P2-BPSK	135	69	13.39			15.0	0.0	
100	P2-BPSK	135	138	13.34			15.0	0.0	
100	P2-BPSK	270	0	13.35			15.0	0.0	
100	QPSK	1	1	13.41					
100	QPSK	1	137	13.34			15.0	0.0	
100	QPSK	1	271	13.28					
100	QPSK	135	0	13.29					
100	QPSK	135	69	13.35			15.0	0.0	
100	QPSK	135	138	13.23					
100	QPSK	270	0	13.26			15.0	0.0	
100	16QAM	1	1	13.38			15.0	0.0	
100	64QAM	1	1	13.38			15.0	0.0	
100	256QAM	1	1	13.33			15.0	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	13.26	13.30	13.32	15.0	0.0	
Channel									
Frequency (MHz)				632698	633332	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	13.38	13.29	13.37	15.0	0.0	
Channel									
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	13.30	13.38	13.26	15.0	0.0	
Channel									
Frequency (MHz)				632700	633332	633966	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	13.38	13.40	13.30	15.0	0.0	
Channel									
Frequency (MHz)				3475.02	3499.98	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	13.31	13.30	13.28	15.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	13.35	13.40	13.29	15.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.32	13.31	13.38	15.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635632	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.42	13.49	13.37	15.0	0.0	
Channel									
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.32	13.31	13.38	15.0	0.0	
Channel									
Frequency (MHz)				3480.02	3499.98	3500	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.40	13.30	13.30	15.0	0.0	
Channel									
Frequency (MHz)				632002	633332	635006	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.37	13.49	13.42	15.0	0.0	
Channel									
Frequency (MHz)				630334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.30	13.31	13.29	15.0	0.0	

Part27Q_n77(HPUE)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2B PSK	1	1	16.30	63332	3489.88			
100	P2B PSK	1	137	16.29			18.0	0.0	
100	P2B PSK	1	271	16.30					
100	P2B PSK	135	0	16.37			18.0	0.0	
100	P2B PSK	135	69	16.35			18.0	0.0	
100	P2B PSK	135	138	16.29			18.0	0.0	
100	P2B PSK	270	0	16.31					
100	QPSK	1	1	16.43					
100	QPSK	1	137	16.36			18.0	0.0	
100	QPSK	1	271	16.35					
100	QPSK	135	0	16.33					
100	QPSK	135	69	16.41			18.0	0.0	
100	QPSK	135	138	16.37					
100	QPSK	270	0	16.36			18.0	0.0	
100	16QAM	1	1	16.35			18.0	0.0	
100	64QAM	1	1	16.33			18.0	0.0	
100	256QAM	1	1	16.31			18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63308	63332	63400	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63332	63432	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63480	63498	63510	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63480	63498	63510	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63100	63332	63666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63034	63332	63582	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63058	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63058	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63058	63332	63600	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63058	63332	63600	Tune-up limit (dBm)	MPR	

Part27Q_n77_Ant 5									
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)									
100	P2B PSK	1	1	13.37	13.41	13.44			
100	P2B PSK	1	137	13.41	13.53	13.44	15.0	0.0	
100	P2B PSK	1	271	13.38	13.53	13.48			
100	P2B PSK	135	0	13.32	13.54	13.38	15.0	0.0	
100	P2B PSK	135	69	13.41	13.47	13.39	15.0	0.0	
100	P2B PSK	135	138	13.46	13.52	13.46	15.0	0.0	
100	P2B PSK	270	0	13.37	13.48	13.40			
100	QPSK	1	1	13.45	13.55	13.51			
100	QPSK	1	137	13.39	13.45	13.41	15.0	0.0	
100	QPSK	1	271	13.41	13.49	13.46			
100	QPSK	135	0	13.39	13.51	13.29			
100	QPSK	135	69	13.43	13.54	13.44	15.0	0.0	
100	QPSK	135	138	13.39	13.51	13.42			
100	QPSK	270	0	13.38	13.49	13.43	15.0	0.0	
100	16QAM	1	1	13.34	13.54	13.44	15.0	0.0	
100	64QAM	1	1	13.32	13.52	13.48	15.0	0.0	
100	256QAM	1	1	13.35	13.41	13.43	15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.45	13.48	13.45	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.36	13.54	13.38	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.41	13.55	13.57	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.30	13.50	13.41	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.34	13.43	13.39	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.40	13.48	13.37	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.33	13.47	13.49	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.32	13.44	13.39	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.38	13.44	13.49	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.37	13.56	13.46	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.36	13.47	13.50	15.0	0.0	

Part27Q_n77(HPUE)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2B PSK	1	1	16.27	16.40	16.37			
100	P2B PSK	1	137	16.32	16.32	16.35	18.0	0.0	
100	P2B PSK	1	271	16.23	16.41	16.42			
100	P2B PSK	135	0	16.35	16.32	16.35	18.0	0.0	
100	P2B PSK	135	69	16.23	16.44	16.34	18.0	0.0	
100	P2B PSK	135	138	16.25	16.42	16.32	18.0	0.0	
100	P2B PSK	270	0	16.25	16.41	16.41			
100	QPSK	1	1	16.37	16.45	16.43			
100	QPSK	1	137	16.25	16.42	16.30	18.0	0.0	
100	QPSK	1	271	16.26	16.37	16.41			
100	QPSK	135	0	16.28	16.31	16.22			
100	QPSK	135	69	16.25	16.40	16.37	18.0	0.0	
100	QPSK	135	138	16.14	16.35	16.29			
100	QPSK	270	0	16.24	16.35	16.34	18.0	0.0	
100	16QAM	1	1	16.26	16.36	16.28	18.0	0.0	
100	64QAM	1	1	16.29	16.38	16.31	18.0	0.0	
100	256QAM	1	1	16.30	16.41	16.37	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.27	16.36	16.30	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.34	16.43	16.36	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.25	16.34	16.34	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.30	16.44	16.38	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.31	16.41	16.31	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.31	16.35	16.37	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.33	16.35	16.37	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.34	16.36	16.37	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.29	16.37	16.28	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.29	16.31	16.31	Tune-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.36	16.37	16.38	Tune-up limit (dBm)		MPR (dB)

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)				3499.98					
100	P2-BPSK	1	1	13.69					
100	P2-BPSK	1	137	13.69			14.0	0.0	
100	P2-BPSK	1	271	13.69					
100	P2-BPSK	135	0	13.61			14.0	0.0	
100	P2-BPSK	135	69	13.69			14.0	0.0	
100	P2-BPSK	135	138	13.69			14.0	0.0	
100	P2-BPSK	270	0	13.65					
100	QPSK	1	1	13.72					
100	QPSK	1	137	13.69			14.0	0.0	
100	QPSK	1	271	13.62					
100	QPSK	135	0	13.65					
100	QPSK	135	69	13.69			14.0	0.0	
100	QPSK	135	138	13.63					
100	QPSK	270	0	13.66			14.0	0.0	
100	16QAM	1	1	13.59			14.0	0.0	
100	64QAM	1	1	13.69			14.0	0.0	
100	256QAM	1	1	13.65			14.0	0.0	
Channel				633392	633332	633896			
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	13.71	13.66	13.71	14.0	0.0	
Channel				632998	633332	634000			
Frequency (MHz)				3489.99	3499.98	3509.99			
80	QPSK	1	1	13.67	13.65	13.62	14.0	0.0	
Channel				632334	633332	634332			
Frequency (MHz)				3489.01	3499.98	3514.98			
70	QPSK	1	1	13.54	13.71	13.63	14.0	0.0	
Channel				632000	633332	634666			
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	13.65	13.58	13.71	14.0	0.0	
Channel				631666	633332	635000			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	13.68	13.62	13.63	14.0	0.0	
Channel				631334	633332	635332			
Frequency (MHz)				3470.01	3499.98	3523.98			
40	QPSK	1	1	13.69	13.71	13.66	14.0	0.0	
Channel				631000	633332	635666			
Frequency (MHz)				3464	3499.98	3534.99			
30	QPSK	1	1	13.66	13.57	13.69	14.0	0.0	
Channel				630634	633332	635832			
Frequency (MHz)				3462.01	3499.98	3537.48			
25	QPSK	1	1	13.64	13.65	13.67	14.0	0.0	
Channel				630668	633332	636000			
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	13.60	13.70	13.66	14.0	0.0	
Channel				630350	633332	636166			
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	13.61	13.59	13.58	14.0	0.0	
Channel				630334	633332	636332			
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	13.59	13.63	13.63	14.0	0.0	

Part27Q_n77(HPUe)_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)				3499.98					
100	P2-BPSK	1	1	16.51					
100	P2-BPSK	1	137	16.50			17.0	0.0	
100	P2-BPSK	1	271	16.44					
100	P2-BPSK	135	0	16.42			17.0	0.0	
100	P2-BPSK	135	69	16.53			17.0	0.0	
100	P2-BPSK	135	138	16.49			17.0	0.0	
100	P2-BPSK	270	0	16.35					
100	QPSK	1	1	16.54					
100	QPSK	1	137	16.40			17.0	0.0	
100	QPSK	1	271	16.39					
100	QPSK	135	0	16.47					
100	QPSK	135	69	16.52			17.0	0.0	
100	QPSK	135	138	16.43					
100	QPSK	270	0	16.49			17.0	0.0	
100	16QAM	1	1	16.41			17.0	0.0	
100	64QAM	1	1	16.45			17.0	0.0	
100	256QAM	1	1	16.51			17.0	0.0	
Channel				633000	633332	633666			
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	16.47	16.43	16.51	17.0	0.0	
Channel				632668	633332	634000			
Frequency (MHz)				3490.99	3499.98	3509.99			
80	QPSK	1	1	16.53	16.44	16.46	17.0	0.0	
Channel				632334	633332	634332			
Frequency (MHz)				3489.01	3499.98	3514.98			
70	QPSK	1	1	16.50	16.51	16.52	17.0	0.0	
Channel				632000	633332	634666			
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.40	16.44	16.49	17.0	0.0	
Channel				631668	633332	635000			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.49	16.48	16.47	17.0	0.0	
Channel				631334	633332	635332			
Frequency (MHz)				3470.01	3499.98	3523.98			
40	QPSK	1	1	16.45	16.48	16.40	17.0	0.0	
Channel				631000	633332	635666			
Frequency (MHz)				3464	3499.98	3534.99			
30	QPSK	1	1	16.44	16.47	16.44	17.0	0.0	
Channel				630634	633332	635832			
Frequency (MHz)				3462.01	3499.98	3537.48			
25	QPSK	1	1	16.40	16.45	16.49	17.0	0.0	
Channel				630668	633332	636000			
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.53	16.40	16.44	17.0	0.0	
Channel				630350	633332	636166			
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	16.42	16.48	16.43	17.0	0.0	
Channel				630334	633332	636332			
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	16.41	16.41	16.42	17.0	0.0	

Part27O_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 (dB)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	P2-BPSK	1	1	12.94	13.73	13.71			
100	P2-BPSK	1	137	12.99	13.77	13.59	14.0	0.0	
100	P2-BPSK	1	271	12.97	13.69	13.59			
100	P2-BPSK	135	0	12.88	13.71	13.62	14.0	0.0	
100	P2-BPSK	135	69	12.96	13.80	13.72	14.0	0.0	
100	P2-BPSK	135	138	12.89	13.75	13.60	14.0	0.0	
100	P2-BPSK	270	0	12.95	13.70	13.61			
100	QPSK	1	1	13.02	13.81	13.74			
100	QPSK	1	137	12.97	13.77	13.63	14.0	0.0	
100	QPSK	1	271	12.99	13.78	13.67			
100	QPSK	135	0	12.92	13.81	13.65			
100	QPSK	135	69	12.98	13.76	13.71	14.0	0.0	
100	QPSK	135	138	12.95	13.67	13.56			
100	QPSK	270	0	12.88	13.71	13.67	14.0	0.0	
100	16QAM	1	1	12.94	13.80	13.69	14.0	0.0	
100	64QAM	1	1	13.00	13.73	13.69	14.0	0.0	
100	256QAM	1	1	12.96	13.78	13.59	14.0	0.0	
Channel				636998	636900	636932			
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	12.92	13.70	13.63	14.0	0.0	
Channel				646934	636900	636966			
Frequency (MHz)				3742.01	3840	3939.98			
80	QPSK	1	1	12.98	13.76	13.62	14.0	0.0	
Channel				646900	636900	636900			
Frequency (MHz)				3735	3840	3940			
70	QPSK	1	1	12.92	13.80	13.64	14.0	0.0	
Channel				646866	636900	636932			
Frequency (MHz)				3735.02	3840	3940.98			
60	QPSK	1	1	12.91	13.75	13.59	14.0	0.0	
Channel				646834	636900	636966			
Frequency (MHz)				3732	3840	3950			
45	QPSK	1	1	12.98	13.68	13.71	14.0	0.0	
Channel				647668	636900	646132			
Frequency (MHz)				3745.02	3840	3945.98			
30	QPSK	1	1	13.01	13.80	13.69	14.0	0.0	
Channel				646100	636900	646500			
Frequency (MHz)				3742.3	3840	3947.5			
Channel				647334	636900	646966			
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	12.96	13.72	13.60	14.0	0.0	
Channel				647412	636900	646532			
Frequency (MHz)				3757.52	3840	3972.48			
15	QPSK	1	1	12.99	13.79	13.71	14.0	0.0	
Channel				647090	636900	636900			
Frequency (MHz)				3735	3840	3975			
10	QPSK	1	1	12.94	13.75	13.62	14.0	0.0	

Part270_n77(HPUE)_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	P2-BPSK	1	1	15.08	16.73	16.76	17.0	0.0				
100	P2-BPSK	1	137	16.01	16.81	16.68						
100	P2-BPSK	1	271	16.07	16.65	16.62	17.0	0.0				
100	P2-BPSK	135	0	16.11	16.72	16.70						
100	P2-BPSK	135	69	16.15	16.77	16.72	17.0	0.0				
100	P2-BPSK	135	138	16.02	16.73	16.70						
100	P2-BPSK	270	0	16.02	16.70	16.69	17.0	0.0				
100	QPSK	1	1	15.10	16.63	16.52						
100	QPSK	1	137	16.12	16.77	16.78	17.0	0.0				
100	QPSK	1	271	16.04	16.81	16.74						
100	QPSK	135	0	16.05	16.65	16.74	17.0	0.0				
100	QPSK	135	69	15.10	16.79	16.77						
100	QPSK	135	138	16.10	16.67	16.73	17.0	0.0				
100	QPSK	270	0	16.05	16.77	16.69						
100	16QAM	1	1	16.07	16.75	16.81	17.0	0.0				
100	64QAM	1	1	16.04	16.77	16.73						
100	256QAM	1	1	16.05	16.76	16.82	17.0	0.0				
Channel												
Frequency (MHz)												
90	QPSK	1	1	15.09	16.77	16.75	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
80	QPSK	1	1	16.05	16.80	16.73	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
70	QPSK	1	1	16.10	16.69	16.75	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
60	QPSK	1	1	16.40	16.70	16.77	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
50	QPSK	1	1	16.03	16.70	16.79	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
40	QPSK	1	1	16.08	16.71	16.80	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
30	QPSK	1	1	16.10	16.75	16.82	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
25	QPSK	1	1	16.01	16.74	16.82	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
20	QPSK	1	1	16.01	16.70	16.75	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
15	QPSK	1	1	16.03	16.69	16.68	17.0	0.0	MPR			
Channel												
Frequency (MHz)												
10	QPSK	1	1	15.15	16.72	16.68	17.0	0.0	MPR			
Channel												
Frequency (MHz)												

Part27Q_n77_Ant 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
100	P2-BPSK	1	1		13.44		15.0	0.0			
100	P2-BPSK	1	137		13.33						
100	P2-BPSK	1	271		13.42		15.0	0.0			
100	P2-BPSK	135	0		13.36						
100	P2-BPSK	135	69		13.44		15.0	0.0			
100	P2-BPSK	135	138		13.45						
100	P2-BPSK	270	0		13.37		15.0	0.0			
100	QPSK	1	1		13.45						
100	QPSK	1	137		13.39		15.0	0.0			
100	QPSK	1	271		13.26						
100	QPSK	135	0		13.35		15.0	0.0			
100	QPSK	135	69		13.38						
100	QPSK	135	138		13.51		15.0	0.0			
100	QPSK	270	0		13.24						
100	16QAM	1	1		13.41		15.0	0.0			
100	64QAM	1	1		13.31						
100	256QAM	1	1		13.34		15.0	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	633500	633332	633666	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
80	QPSK	1	1	3490	3499	3508	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
70	QPSK	1	1	632668	633332	634000	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
60	QPSK	1	1	3485.01	3499.98	3514.98	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
50	QPSK	1	1	13.35	13.40	13.35	15.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	3480	3499.98	3519.98	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
30	QPSK	1	1	13.42	13.33	13.39	15.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	631696	633332	635000	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
10	QPSK	1	1	3478.02	3499.98	3520.98	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	13.43	13.41	13.34	15.0	0.0			
Channel											
Frequency (MHz)											
0	QPSK	1	1	631194	633332	635532	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	3470.01	3499.98	3529.98	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	13.41	13.41	13.39	15.0	0.0			
Channel											
Frequency (MHz)											
0	QPSK	1	1	631000	633332	635666	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	3465	3499.98	3534.99	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	13.41	13.35	13.45	15.0	0.0			
Channel											
Frequency (MHz)											
0	QPSK	1	1	630834	633332	635832	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	3462.51	3499.98	3557.48	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	13.31	13.32	13.33	15.0	0.0			
Channel											
Frequency (MHz)											
0	QPSK	1	1	3460.02	3499.98	3540	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	13.32	13.34	13.42	15.0	0.0			
Channel											
Frequency (MHz)											
0	QPSK	1	1	630500	633332	636166	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	3457.5	3499.98	3547.48	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	13.45	13.39	13.33	15.0	0.0			
Channel											
Frequency (MHz)											
0	QPSK	1	1	630334	633332	636332	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
0	QPSK	1	1	13.41	13.41	13.32	15.0	0.0			

Part27Q_n77(HPUE)_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	P2-BPSK	1	1		16.30		18.0	0.0				
100	P2-BPSK	1	137		16.21							
100	P2-BPSK	1	271		16.26		18.0	0.0				
100	P2-BPSK	135	0		16.20							
100	P2-BPSK	135	69		16.21		18.0	0.0				
100	P2-BPSK	135	138		16.21							
100	P2-BPSK	270	0		16.25		18.0	0.0				
100	QPSK	1	1		16.24							
100	QPSK	1	137		16.19		18.0	0.0				
100	QPSK	1	271		16.21							
100	QPSK	135	0		16.27		18.0	0.0				
100	QPSK	135	69		16.29							
100	QPSK	135	138		16.28		18.0	0.0				
100	QPSK	270	0		16.26							
100	16QAM	1	1		16.30		18.0	0.0				
100	64QAM	1	1		16.24							
100	256QAM	1	1		16.27		18.0	0.0				
Channel												
Frequency (MHz)												
93	QPSK	1	1	833500	833332	833666	Tune-up limit (dBm)	MPR				
				8331	834988	835449	(dBm)					
90	QPSK	1	1	16.32	16.29	16.32	18.0					
Channel												
Frequency (MHz)												
93	QPSK	1	1	832686	833332	834000	Tune-up limit (dBm)	MPR				
				8327	834988	83510	(dBm)					
90	QPSK	1	1	16.32	16.23	16.30	18.0					
Channel												
Frequency (MHz)												
93	QPSK	1	1	832324	833332	834332	Tune-up limit (dBm)	MPR				
				8485	849988	851488	(dBm)					
70	QPSK	1	1	16.31	16.32	16.28	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	832000	833332	834666	Tune-up limit (dBm)	MPR				
				3480	349988	351899	(dBm)					
60	QPSK	1	1	16.27	16.23	16.30	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	831666	833332	835000	Tune-up limit (dBm)	MPR				
				8478	849988	850888	(dBm)					
50	QPSK	1	1	16.31	16.20	16.39	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	841834	833332	836032	Tune-up limit (dBm)	MPR				
				8470	849988	852088	(dBm)					
40	QPSK	1	1	16.29	16.22	16.22	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	833800	833332	835866	Tune-up limit (dBm)	MPR				
				3465	349988	353499	(dBm)					
30	QPSK	1	1	16.33	16.23	16.28	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	833834	833332	835832	Tune-up limit (dBm)	MPR				
				8462	849988	853748	(dBm)					
25	QPSK	1	1	16.32	16.25	16.21	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	833700	833332	835700	Tune-up limit (dBm)	MPR				
				3460	349988	3540	(dBm)					
20	QPSK	1	1	16.23	16.29	16.23	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	835000	833332	836866	Tune-up limit (dBm)	MPR				
				3434	349988	354249	(dBm)					
15	QPSK	1	1	16.33	16.21	16.26	18.0	0.0				
Channel												
Frequency (MHz)												
83	QPSK	1	1	830334	833332	836332	Tune-up limit (dBm)	MPR				
				8431	849988	854488	(dBm)					
10	QPSK	1	1	16.25	16.24	16.27	18.0	0.0				

Part270_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									
Frequency (MHz)				650000	650000	642000			
100	P2 BPSK	1	1	13.80	13.25	13.38			
100	P2 BPSK	1	137	13.69	13.27	13.39	15.0		0.0
100	P2 BPSK	1	271	13.76	13.30	13.35			
100	P2 BPSK	135	0	13.73	13.37	13.41	15.0		0.0
100	P2 BPSK	135	69	13.75	13.38	13.41	15.0		0.0
100	P2 BPSK	135	138	13.74	13.26	13.42	15.0		0.0
100	P2 BPSK	270	0	13.69	13.31	13.43			
100	QPSK	1	1	13.81	13.40	13.47			
100	QPSK	1	137	13.70	13.36	13.40	15.0		0.0
100	QPSK	1	271	13.73	13.36	13.46			
100	QPSK	135	0	13.75	13.23	13.30			
100	QPSK	135	69	13.80	13.35	13.40	15.0		0.0
100	QPSK	135	138	13.69	13.31	13.38			
100	QPSK	270	0	13.75	13.28	13.38	15.0		0.0
100	16QAM	1	1	13.69	13.31	13.42	15.0		0.0
100	64QAM	1	1	13.76	13.27	13.41	15.0		0.0
100	256QAM	1	1	13.75	13.36	13.37	15.0		0.0
Channel				66998	65000	66232	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	13.78	13.28	13.44	15.0		0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3162.91	3840	3934.99			
80	QPSK	1	1	13.68	13.35	13.39	15.0		0.0
Channel				668000	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	13.73	13.37	13.44	15.0		0.0
Channel				688668	650000	663332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98			
60	QPSK	1	1	13.73	13.34	13.37	15.0		0.0
Channel				643334	656000	663666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	13.75	13.31	13.41	15.0		0.0
Channel				664000	656000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	13.67	13.39	13.33	15.0		0.0
Channel				647068	656000	664332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3116.92	3840	3954.98			
30	QPSK	1	1	13.74	13.27	13.35	15.0		0.0
Channel				667900	656000	664900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2712.5	3840	3937.5			
25	QPSK	1	1	13.67	13.31	13.35	15.0		0.0
Channel				667234	656000	664666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	13.80	13.35	13.43	15.0		0.0
Channel				67710	65500	65570	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.32	3840	3972.48			
15	QPSK	1	1	13.79	13.38	13.41	15.0		0.0
Channel				647060	655000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	13.74	13.25	13.37	15.0		0.0

Part270_n77(HPUe)_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)				3840	3840	3840			
100	P2/BPSK	1	1	16.56	16.24	16.22			
100	P2/BPSK	1	137	16.47	16.27	16.32	18.0	0.0	
100	P2/BPSK	1	271	16.51	16.31	16.33			
100	P2/BPSK	135	0	16.48	16.26	16.28	18.0	0.0	
100	P2/BPSK	135	69	16.49	16.28	16.31	18.0	0.0	
100	P2/BPSK	135	138	16.56	16.28	16.26	18.0	0.0	
100	P2/BPSK	270	0	16.58	16.27	16.20			
100	QPSK	1	1	16.60	16.32	16.34			
100	QPSK	1	137	16.45	16.27	16.28	18.0	0.0	
100	QPSK	1	271	16.49	16.26	16.26			
100	QPSK	135	0	16.51	16.26	16.28			
100	QPSK	135	69	16.50	16.30	16.25	18.0	0.0	
100	QPSK	135	138	16.53	16.26	16.26			
100	QPSK	270	0	16.54	16.25	16.23	18.0	0.0	
100	16QAM	1	1	16.56	16.25	16.30	18.0	0.0	
100	64QAM	1	1	16.48	16.27	16.22	18.0	0.0	
100	256QAM	1	1	16.45	16.24	16.26	18.0	0.0	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	16.46	16.18	16.19	18.0	0.0	
Channel				649334	656000	660666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3162.91	3840	3934.99			
80	QPSK	1	1	16.57	16.30	16.23	18.0	0.0	
Channel				669000	666000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	16.50	16.31	16.20	18.0	0.0	
Channel				688668	656000	693332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3840	3949.98			
60	QPSK	1	1	16.50	16.20	16.33	18.0	0.0	
Channel				643334	656000	658666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	16.54	16.23	16.26	18.0	0.0	
Channel				664000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.58	16.29	16.24	18.0	0.0	
Channel				647068	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3116.92	3840	3954.98			
30	QPSK	1	1	16.45	16.20	16.20	18.0	0.0	
Channel				667900	656000	664900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2712.5	3840	3937.5			
25	QPSK	1	1	16.47	16.23	16.29	18.0	0.0	
Channel				667234	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	16.47	16.31	16.23	18.0	0.0	
Channel				67710	65500	65570	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.32	3840	3972.48			
15	QPSK	1	1	16.57	16.29	16.33	18.0	0.0	
Channel				647060	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	16.51	16.27	16.33	18.0	0.0	

Part27Q_n78_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									
Frequency (MHz)				3499.98	3499.98	3499.98			
100	P2/BPSK	1	1		10.86				
100	P2/BPSK	1	137		10.92		12.5	0.0	
100	P2/BPSK	1	271		10.82				
100	P2/BPSK	135	0		10.80		12.5	0.0	
100	P2/BPSK	135	69		10.91		12.5	0.0	
100	P2/BPSK	135	138		10.86		12.5	0.0	
100	P2/BPSK	270	0		10.82				
100	QPSK	1	1		10.94				
100	QPSK	1	137		10.91		12.5	0.0	
100	QPSK	1	271		10.89				
100	QPSK	135	0		10.79				
100	QPSK	135	69		10.86		12.5	0.0	
100	QPSK	135	138		10.73				
100	QPSK	270	0		10.80		12.5	0.0	
100	8QAM	1	1		10.96		12.5	0.0	
100	8QAM	1	1		10.83		12.5	0.0	
100	256QAM	1	1		10.79		12.5	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	10.91	10.84	10.79	12.5	0.0	
Channel									
Frequency (MHz)				634668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	10.84	10.88	10.92	12.5	0.0	
Channel									
Frequency (MHz)				634534	633332	634332	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	10.83	10.81	10.85	12.5	0.0	
Channel									
Frequency (MHz)				634000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	10.87	10.85	10.80	12.5	0.0	
Channel									
Frequency (MHz)				3479.52	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	10.92	10.92	10.88	12.5	0.0	
Channel									
Frequency (MHz)				631334	633332	633632	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	10.87	10.89	10.93	12.5	0.0	
Channel									
Frequency (MHz)				631000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	10.84	10.90	10.89	12.5	0.0	
Channel									
Frequency (MHz)				630654	633332	633632	Tune-up limit (dBm)	MPR (dB)	
245	QPSK	1	1	10.92	10.89	10.87	12.5	0.0	
Channel									
Frequency (MHz)				630566	633332	633600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	10.80	10.82	10.87	12.5	0.0	
Channel									
Frequency (MHz)				630555	633332	633616	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	10.83	10.85	10.89	12.5	0.0	
Channel									
Frequency (MHz)				630334	633332	633632	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	10.81	10.84	10.91	12.5	0.0	

Part27Q_n78(HPUE)_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									
Frequency (MHz)									
100	P2-BPSK	1	1	13.71	635332	3469.88			
100	P2-BPSK	1	137	13.75			15.5	0.0	
100	P2-BPSK	1	271	13.81	635332	3469.88			
100	P2-BPSK	135	0	13.80			15.5	0.0	
100	P2-BPSK	135	69	13.83			15.5	0.0	
100	P2-BPSK	135	138	13.72			15.5	0.0	
100	P2-BPSK	270	0	13.83					
100	QPSK	1	1	13.80					
100	QPSK	1	137	13.82			15.5	0.0	
100	QPSK	1	271	13.75					
100	QPSK	135	0	13.75					
100	QPSK	135	69	13.83			15.5	0.0	
100	QPSK	135	138	13.76					
100	QPSK	270	0	13.75			15.5	0.0	
100	16QAM	1	1	13.80			15.5	0.0	
100	64QAM	1	1	13.77			15.5	0.0	
100	256QAM	1	1	13.84			15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.76	635332	635366	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.72	635332	635400	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.73	635332	635432	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.85	635332	635496	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.82	635332	635528	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.71	635332	635666	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.74	635332	635730	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.81	635332	635832	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.75	635332	635862	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.77	635332	635924	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.83	635332	636000	Tune-up limit (dBm)	MPR	(dB)

Part27O_n78_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									
Frequency (MHz)									
100	P2-BPSK	1	1	11.00					
100	P2-BPSK	1	137	10.80			12.5	0.0	
100	P2-BPSK	1	271	11.02					
100	P2-BPSK	135	0	11.00			12.5	0.0	
100	P2-BPSK	135	69	10.99			12.5	0.0	
100	P2-BPSK	135	138	11.00			12.5	0.0	
100	P2-BPSK	270	0	11.01					
100	QPSK	1	1	10.93			12.5	0.0	
100	QPSK	1	137	10.93					
100	QPSK	1	271	10.93					
100	QPSK	135	0	10.97					
100	QPSK	135	69	10.98			12.5	0.0	
100	QPSK	135	138	10.94					
100	QPSK	270	0	10.96			12.5	0.0	
100	16QAM	1	1	11.00			12.5	0.0	
100	256QAM	1	1	10.93			12.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	10.92	10.90	10.90	12.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	10.92	11.00	10.97	12.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	10.92	11.02	10.91	12.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	10.90	10.90	11.03	12.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	11.03	11.01	10.92	12.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.03	10.93	10.95	12.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.01	11.00	10.91	12.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.00	10.90	11.01	12.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	10.90	10.93	10.90	12.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	11.04	10.92	10.91	12.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	10.90	10.93	10.90	12.5	0.0	

Part27O_n78(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2 BPSK	1	1	13.75					
100	P2 BPSK	1	137	13.73			15.5		0.0
100	P2 BPSK	1	271	13.74					
100	P2 BPSK	135	0	13.78			15.5		0.0
100	P2 BPSK	135	69	13.73			15.5		0.0
100	P2 BPSK	135	138	13.86			15.5		0.0
100	P2 BPSK	270	0	13.77					
100	QPSK	1	1	13.80					
100	QPSK	1	137	13.83			15.5		0.0
100	QPSK	1	271	13.74					
100	QPSK	135	0	13.80					
100	QPSK	135	69	13.87			15.5		0.0
100	QPSK	135	138	13.74					
100	QPSK	270	0	13.85			15.5		0.0
100	16QAM	1	1	13.76			15.5		0.0
100	64QAM	1	1	13.78			15.5		0.0
100	256QAM	1	1	13.83			15.5		0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.73	13.82	13.78	15.5		MPR (dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.82	13.86	13.77	15.5		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.79	13.80	13.77	15.5		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.84	13.79	13.78	15.5		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.73	13.79	13.83	15.5		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.81	13.74	13.74	15.5		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.78	13.73	13.74	15.5		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.74	13.75	13.83	15.5		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.76	13.84	13.86	15.5		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.72	13.75	13.82	15.5		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.80	13.87	13.85	15.5		0.0

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2-BPSK	1	1	13.28					
100	P2-BPSK	1	137	13.24			15.0	0.0	
100	P2-BPSK	1	271	13.20					
100	P2-BPSK	135	0	13.29			15.0	0.0	
100	P2-BPSK	135	69	13.31			15.0	0.0	
100	P2-BPSK	135	138	13.26			15.0	0.0	
100	P2-BPSK	270	0	13.25					
100	QPSK	1	1	13.37					
100	QPSK	1	137	13.29			15.0	0.0	
100	QPSK	1	271	13.25					
100	QPSK	135	0	13.31					
100	QPSK	135	69	13.32			15.0	0.0	
100	QPSK	135	138	13.19					
100	QPSK	270	0	13.25			15.0	0.0	
100	16QAM	1	1	13.25			15.0	0.0	
100	64QAM	1	1	13.31			15.0	0.0	
100	256QAM	1	1	13.25			15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.28	13.24	13.30	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.27	13.22	13.27	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.29	13.24	13.33	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.27	13.20	13.33	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.30	13.33	13.36	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.31	13.34	13.32	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.28	13.35	13.27	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.31	13.22	13.39	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.24	13.36	13.27	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.36	13.26	13.33	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.34	13.30	13.26	15.0	0.0	

Part27Q_n78(HPUe)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2-BPSK	1	1	16.38					
100	P2-BPSK	1	137	16.33			18.0	0.0	
100	P2-BPSK	1	271	16.32					
100	P2-BPSK	135	0	16.27			18.0	0.0	
100	P2-BPSK	135	69	16.28			18.0	0.0	
100	P2-BPSK	135	138	16.40			18.0	0.0	
100	P2-BPSK	270	0	16.35			18.0	0.0	
100	QPSK	1	1	16.42					
100	QPSK	1	137	16.36			18.0	0.0	
100	QPSK	1	271	16.42					
100	QPSK	135	0	16.29					
100	QPSK	135	69	16.36			18.0	0.0	
100	QPSK	135	138	16.35					
100	QPSK	270	0	16.36			18.0	0.0	
100	16QAM	1	1	16.28			18.0	0.0	
100	64QAM	1	1	16.28			18.0	0.0	
100	256QAM	1	1	16.29			18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.34	16.29	16.36	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.28	16.37	16.32	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.30	16.41	16.37	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.34	16.30	16.27	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.39	16.29	16.29	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.34	16.38	16.35	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.35	16.31	16.35	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.25	16.41	16.29	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.38	16.29	16.41	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.36	16.31	16.37	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.37	16.32	16.39	18.0	0.0	

Part27O_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2-BPSK	1	1	13.34					
100	P2-BPSK	1	137	13.33			15.0	0.0	
100	P2-BPSK	1	271	13.29					
100	P2-BPSK	135	0	13.33			15.0	0.0	
100	P2-BPSK	135	69	13.30			15.0	0.0	
100	P2-BPSK	135	138	13.34			15.0	0.0	
100	P2-BPSK	270	0	13.35			15.0	0.0	
100	QPSK	1	1	13.43					
100	QPSK	1	137	13.31			15.0	0.0	
100	QPSK	1	271	13.42					
100	QPSK	135	0	13.28					
100	QPSK	135	69	13.36			15.0	0.0	
100	QPSK	135	138	13.30					
100	QPSK	270	0	13.32			15.0	0.0	
100	16QAM	1	1	13.29			15.0	0.0	
100	64QAM	1	1	13.28			15.0	0.0	
100	256QAM	1	1	13.32			15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.28	13.38	13.41	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.41	13.35	13.39	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.42	13.32	13.29	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.31	13.30	13.37	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.31	13.30	13.40	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.42	13.37	13.30	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.41	13.37	13.32	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.40	13.32	13.30	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.40	13.36	13.39	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.32	13.28	13.28	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.42	13.32	13.34	15.0	0.0	

Part270_n78(HPUE)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	16.22					
100	P1/2 BPSK	1	137	16.27			18.0	0.0	
100	P1/2 BPSK	1	241	16.21					
100	P1/2 BPSK	135	0	16.29			18.0	0.0	
100	P1/2 BPSK	135	69	16.26			18.0	0.0	
100	P1/2 BPSK	135	138	16.30			18.0	0.0	
100	P1/2 BPSK	220	0	16.21					
100	QPSK	1	1	16.32					
100	QPSK	1	137	16.19			18.0	0.0	
100	QPSK	1	271	16.17					
100	QPSK	135	0	16.12					
100	QPSK	135	69	16.24			18.0	0.0	
100	QPSK	135	138	16.15					
100	QPSK	270	0	16.16			18.0	0.0	
100	16QAM	1	1	16.18			18.0	0.0	
100	64QAM	1	1	16.23			18.0	0.0	
100	256QAM	1	1	16.25			18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.24	16.26	16.18	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.22	16.25	16.22	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.25	16.25	16.29	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.29	16.31	16.20	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.27	16.23	16.18	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.24	16.23	16.24	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.27	16.28	16.19	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.27	16.19	16.19	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.26	16.24	16.21	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.29	16.26	16.22	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.18	16.17	16.19	18.0	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	P1/2 BPSK	1	1	12.32					
100	P1/2 BPSK	1	137	12.34			14.0	0.0	
100	P1/2 BPSK	1	241	12.37					
100	P1/2 BPSK	135	0	12.44			14.0	0.0	
100	P1/2 BPSK	135	69	12.41			14.0	0.0	
100	P1/2 BPSK	135	138	12.41			14.0	0.0	
100	P1/2 BPSK	220	0	12.34					
100	QPSK	1	1	12.45					
100	QPSK	1	137	12.35			14.0	0.0	
100	QPSK	1	271	12.42					
100	QPSK	135	0	12.34					
100	QPSK	135	69	12.38			14.0	0.0	
100	QPSK	135	138	12.26					
100	QPSK	270	0	12.33			14.0	0.0	
100	16QAM	1	1	12.41			14.0	0.0	
100	64QAM	1	1	12.39			14.0	0.0	
100	256QAM	1	1	12.33			14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.44	12.43	12.39	14.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.42	12.31	12.38	14.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.37	12.40	12.31	14.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.43	12.41	12.42	14.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.33	12.30	12.40	14.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.36	12.36	12.39	14.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.42	12.32	12.31	14.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.39	12.39	12.32	14.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.39	12.44	12.38	14.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.39	12.41	12.35	14.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.39	12.44	12.42	14.0	0.0	

Part27Q_n78(HPUE)_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	P1/2 BPSK	1	1	15.25					
100	P1/2 BPSK	1	137	15.29			17.0	0.0	
100	P1/2 BPSK	1	271	15.19					
100	P1/2 BPSK	135	0	15.37			17.0	0.0	
100	P1/2 BPSK	135	69	15.38			17.0	0.0	
100	P1/2 BPSK	135	138	15.37			17.0	0.0	
100	P1/2 BPSK	270	0	15.28					
100	QPSK	1	1	15.40					
100	QPSK	1	137	15.26			17.0	0.0	
100	QPSK	1	271	15.38					
100	QPSK	135	0	15.22					
100	QPSK	135	69	15.37			17.0	0.0	
100	QPSK	135	138	15.23					
100	QPSK	270	0	15.30			17.0	0.0	
100	16QAM	1	1	15.35			17.0	0.0	
100	64QAM	1	1	15.32			17.0	0.0	
100	256QAM	1	1	15.34			17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.29	15.38	15.34	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.36	15.39	15.34	17.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.33	15.33	15.34	17.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.33	15.29	15.28	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.39	15.25	15.28	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.35	15.28	15.31	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.34	15.34	15.34	17.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.42	15.30	15.37	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.39	15.30	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.27	15.35	15.36	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.30	15.30	15.30	17.0	0.0	

Part270_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	P22 BPSK	1	1	13.56					
100	P22 BPSK	1	137	13.49			14.0		0.0
100	P22 BPSK	1	221	13.46					
100	P22 BPSK	135	0	13.43			14.0	0.0	
100	P22 BPSK	135	69	13.51			14.0	0.0	
100	P22 BPSK	135	138	13.52					
100	P22 BPSK	270	0	13.46			14.0	0.0	
100	QPSK	1	1	13.57					
100	QPSK	1	137	13.50			14.0	0.0	
100	QPSK	1	221	13.56					
100	QPSK	135	0	13.51					
100	QPSK	135	69	13.50			14.0	0.0	
100	QPSK	135	138	13.47					
100	QPSK	270	0	13.51			14.0	0.0	
100	16QAM	1	1	13.49			14.0	0.0	
100	64QAM	1	1	13.48			14.0	0.0	
100	256QAM	1	1	13.52			14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.47	13.43	13.53	14.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.48	13.44	13.52	14.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.42	13.50	13.47	14.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.44	13.40	13.45	14.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.51	13.42	13.54	14.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.56	13.49	13.49	14.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.54	13.45	13.48	14.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.51	13.52	13.54	14.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.49	13.53	13.52	14.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.45	13.46	13.53	14.0	0.0	

Part270_n78(HPUE)_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1	16.37					
100	P22 BPSK	1	137	16.46			17.0	0.0	
100	P22 BPSK	1	221	16.42					
100	P22 BPSK	135	0	16.38			17.0	0.0	
100	P22 BPSK	135	69	16.43			17.0	0.0	
100	P22 BPSK	135	138	16.51					
100	P22 BPSK	270	0	16.42			17.0	0.0	
100	QPSK	1	1	16.52					
100	QPSK	1	137	16.47			17.0	0.0	
100	QPSK	1	221	16.39					
100	QPSK	135	0	16.49					
100	QPSK	135	69	16.50			17.0	0.0	
100	QPSK	135	138	16.48					
100	QPSK	270	0	16.46			17.0	0.0	
100	16QAM	1	1	16.45			17.0	0.0	
100	64QAM	1	1	16.51			17.0	0.0	
100	256QAM	1	1	16.51			17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.40	16.46	16.48	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.46	16.51	16.47	17.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.40	16.38	16.40	17.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.47	16.40	16.40	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.46	16.46	16.40	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.46	16.48	16.43	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.37	16.39	16.37	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.42	16.40	16.41	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.47	16.44	16.50	17.0	0.0	

Part27Q_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1	13.28					
100	P22 BPSK	1	137	13.31			15.0	0.0	
100	P22 BPSK	1	221	13.34					
100	P22 BPSK	135	0	13.34			15.0	0.0	
100	P22 BPSK	135	69	13.35			15.0	0.0	
100	P22 BPSK	135	138	13.31					
100	P22 BPSK	270	0	13.33			15.0	0.0	
100	QPSK	1	1	13.42					
100	QPSK	1	137	13.32			15.0	0.0	
100	QPSK	1	221	13.34					
100	QPSK	135	0	13.32					
100	QPSK	135	69	13.41			15.0	0.0	
100	QPSK	135	138	13.26					
100	QPSK	270	0	13.26			15.0	0.0	
100	16QAM	1	1	13.26			15.0	0.0	
100	64QAM	1	1	13.38			15.0	0.0	
100	256QAM	1	1	13.28			15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.27	13.28	13.34	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.31	13.40	13.34	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.35	13.41	13.35	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.39	13.29	13.32	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.36	13.30	13.31	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.32	13.36	13.37	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.27	13.31	13.39	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.41	13.39	13.27	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.46	13.42	13.40	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.28	13.27	13.32	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.37	13.38	13.33	15.0	0.0	

Part27Q_n78(HPUe)_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		633332			
100	P12 BPSK	1	1	16.09					
100	P12 BPSK	1	137	16.21			18.0	0.0	
100	P12 BPSK	1	271	16.15					
100	P12 BPSK	135	0	16.16			18.0	0.0	
100	P12 BPSK	135	69	16.13			18.0	0.0	
100	P12 BPSK	135	138	16.08			18.0	0.0	
100	P12 BPSK	270	0	16.15			18.0	0.0	
100	QPSK	1	1	16.23					
100	QPSK	1	137	16.18			18.0	0.0	
100	QPSK	1	271	16.09					
100	QPSK	135	0	16.17					
100	QPSK	135	69	16.21			18.0	0.0	
100	QPSK	135	138	16.11					
100	QPSK	270	0	16.20			18.0	0.0	
100	16QAM	1	1	16.15			18.0	0.0	
100	64QAM	1	1	16.17			18.0	0.0	
100	256QAM	1	1	16.11			18.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	16.19	16.10	16.22	18.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	16.15	16.22	16.16	18.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	16.19	16.10	16.17	18.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.19	16.12	16.22	18.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.14	16.17	16.18	18.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3473.01	3499.98	3523.98			
40	QPSK	1	1	16.19	16.18	16.08	18.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469	3499.98	3549.99			
30	QPSK	1	1	16.22	16.21	16.22	18.0	0.0	
Channel				630834	633332	635932	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3499.98	3527.48			
25	QPSK	1	1	16.22	16.15	16.20	18.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.10	16.12	16.19	18.0	0.0	
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	16.15	16.17	16.08	18.0	0.0	
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3454.01	3499.98	3544.99			
10	QPSK	1	1	16.19	16.20	16.21	18.0	0.0	

Part27O_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	P12 BPSK	1	1	13.49					
100	P12 BPSK	1	137	13.45			15.0	0.0	
100	P12 BPSK	1	271	13.51					
100	P12 BPSK	135	0	13.58			15.0	0.0	
100	P12 BPSK	135	69	13.46			15.0	0.0	
100	P12 BPSK	135	138	13.59			15.0	0.0	
100	P12 BPSK	270	0	13.48			15.0	0.0	
100	QPSK	1	1	13.50					
100	QPSK	1	137	13.48			15.0	0.0	
100	QPSK	1	271	13.58					
100	QPSK	135	0	13.53					
100	QPSK	135	69	13.59			15.0	0.0	
100	QPSK	135	138	13.47					
100	QPSK	270	0	13.51			15.0	0.0	
100	16QAM	1	1	13.58			15.0	0.0	
100	64QAM	1	1	13.47			15.0	0.0	
100	256QAM	1	1	13.48			15.0	0.0	
Channel				646668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	13.45	13.49	13.55	15.0	0.0	
Channel				646334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.99			
80	QPSK	1	1	13.50	13.48	13.47	15.0	0.0	
Channel				646000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	13.51	13.47	13.51	15.0	0.0	
Channel				646668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	13.49	13.54	13.48	15.0	0.0	
Channel				646334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	13.50	13.47	13.56	15.0	0.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	13.48	13.51	13.51	15.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.02	3750	3784.98			
30	QPSK	1	1	13.58	13.52	13.53	15.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.1	3750	3787.5			
25	QPSK	1	1	13.51	13.57	13.45	15.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	13.59	13.46	13.47	15.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	13.57	13.45	13.36	15.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3706	3750	3795			
10	QPSK	1	1	13.47	13.51	13.48	15.0	0.0	

Part27O_n78(HPUe)_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	P12 BPSK	1	1	16.32					
100	P12 BPSK	1	137	16.35			18.0	0.0	
100	P12 BPSK	1	271	16.36					
100	P12 BPSK	135	0	16.39			18.0	0.0	
100	P12 BPSK	135	69	16.31			18.0	0.0	
100	P12 BPSK	135	138	16.29			18.0	0.0	
100	P12 BPSK	270	0	16.43			18.0	0.0	
100	QPSK	1	1	16.44					
100	QPSK	1	137	16.31			18.0	0.0	
100	QPSK	1	271	16.38					
100	QPSK	135	0	16.27					
100	QPSK	135	69	16.38			18.0	0.0	
100	QPSK	135	138	16.27					
100	QPSK	270	0	16.44			18.0	0.0	
100	16QAM	1	1	16.41			18.0	0.0	
100	64QAM	1	1	16.34			18.0	0.0	
100	256QAM	1	1	16.38			18.0	0.0	
Channel				646668	650000	653332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	16.42	16.38	16.34	18.0	0.0	
Channel				646334	650000	650666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3760.99			
80	QPSK	1	1	16.33	16.42	16.40	18.0	0.0	
Channel				646000	650000	651000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	16.29	16.36	16.41	18.0	0.0	
Channel				646668	650000	651332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	16.42	16.31	16.36	18.0	0.0	
Channel				646334	650000	651666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	16.42	16.40	16.35	18.0	0.0	
Channel				646000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.39	16.31	16.38	18.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	0	16.39	16.31	16.38	18.0	0.0	
Channel				647000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3789.99			
25	QPSK	1	1	16.35	16.34	16.36	18.0	0.0	
Channel				647251	650000	652250	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	16.39	16.32	16.27	18.0	0.0	
Channel				647188	650000	652882	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705.02	3750	3792.98			
15	QPSK	1	1	16.34	16.37	16.38	18.0	0.0	
Channel				647100	650000	653000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3700.01	3750	3794.99			
10	QPSK	1	1	16.45	16.34	16.33	18.0	0.0	

[illegible]

VFI 6E			Full Power			Head Standalone			Head DBS 2.4G-HD			Head Standalone WWAN+2.4G-HD			Head Standalone DBS 2.4G-HD Simultaneous WWAN+2.4G-HD+HT			Emergency Standalone DBS 2.4G-HD Simultaneous WWAN+2.4G-HD+HT			Body worn Standalone DBS 2.4G-HD Simultaneous WWAN+2.4G-HD+HT			Duty Cycle %																																																																																																																																																																																																																																																																																																																																																																																				
Mode	Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Power (dBm)	Frequency (MHz)	Average power (dBm)	Transmit Power (dBm)	Frequency (MHz)	Average power (dBm)	Transmit Power (dBm)	Frequency (MHz)	Average power (dBm)	Transmit Power (dBm)	Frequency (MHz)	Average power (dBm)	Transmit Power (dBm)	Frequency (MHz)	Average power (dBm)	Transmit Power (dBm)	Frequency (MHz)	Average power (dBm)	Transmit Power (dBm)																																																																																																																																																																																																																																																																																																																																																																																					
UNI 5 (8.925-6.425GHz)	802.11a-BGPP	1	5655	4.85	6.00	4.80	6.00	7.81	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																																		
		45	6715	4.83	6.00	4.70	6.00	7.82	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																																		
		93	6415	5.35	6.00	4.33	6.00	7.80	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																																		
		93	6415	4.81	6.00	4.90	6.00	7.37	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																																		
		1	5905	-3.25	4.50	-4.24	-2.99	-1.71	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	100.00																																																																																																																																																																																																																																																																																																																																																																																
		45	6715	-2.52	2.50	-3.50	-2.00	-0.37	1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	100.00																																																																																																																																																																																																																																																																																																																																																																																
		45	6715	5.21	6.00	4.87	6.00	8.05	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																																
		93	6415	5.27	6.00	4.33	6.00	8.05	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																																
		3	5805	7.08	9.00	7.38	9.00	10.04	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	100.00																																																																																																																																																																																																																																																																																																																																																																																
		43	6165	7.89	9.00	7.34	9.00	10.53	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	100.00																																																																																																																																																																																																																																																																																																																																																																																
802.11a-HE40 MCS0	39	6145	11.16	12.50	10.72	12.50	13.96	16.5	11.16	12.50	10.72	12.50	13.96	16.5	11.16	12.50	10.72	12.50	13.96	16.5	11.16	12.50	10.72	12.50	13.96	16.5	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	67	6385	12.25	13.00	11.32	13.00	14.83	16.0	12.25	13.00	11.32	13.00	14.83	16.0	12.25	13.00	11.32	13.00	14.83	16.0	12.25	13.00	11.32	13.00	14.83	16.0	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	97	6435	9.58	6.50	4.50	6.50	9.11	9.5	6.50	6.50	9.5	6.50	6.50	9.5	6.50	6.50	9.5	6.50	6.50	9.5	6.50	6.50	9.5	6.50	6.50	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	102	6475	4.58	6.00	4.45	6.00	7.80	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	113	6515	5.01	6.00	4.64	6.00	8.30	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	5	5655	-3.25	4.50	-4.25	-2.71	1.6	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	4.50	4.50	-1.5	100.00																																																																																																																																																																																																																																																																																																																																																																															
	45	6715	-3.52	2.50	-3.50	-2.00	-0.37	1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	2.00	2.00	-1.0	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	45	6715	5.21	6.00	4.75	6.00	7.82	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	55	6515	5.27	6.00	4.33	6.00	8.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																																	
	107	6485	8.22	9.00	7.05	9.00	10.68	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	9.00	12.0	100.00																																																																																																																																																																																																																																																																																																																																																																																	
802.11a-HE20 MCS0	115	6535	6.11	6.00	5.90	6.00	10.88	13.0	6.11	6.00	5.90	6.00	10.88	13.0	6.11	6.00	5.90	6.00	10.88	13.0	6.11	6.00	5.90	6.00	10.88	13.0	6.11	6.00	100.00																																																																																																																																																																																																																																																																																																																																																																															
	123	6265	11.67	12.00	10.49	12.00	14.13	16.0	11.67	12.00	10.49	12.00	14.13	16.0	11.67	12.00	10.49	12.00	14.13	16.0	11.67	12.00	10.49	12.00	14.13	16.0	11.67	12.00	10.49	12.00	14.13	16.0	100.00																																																																																																																																																																																																																																																																																																																																																																											
	119	6245	12.11	13.50	10.65	12.50	14.45	16.0	12.11	13.50	10.65	12.50	14.45	16.0	12.11	13.50	10.65	12.50	14.45	16.0	12.11	13.50	10.65	12.50	14.45	16.0	12.11	13.50	10.65	12.50	14.45	16.0	100.00																																																																																																																																																																																																																																																																																																																																																																											
	117	6235	9.96	7.00	4.90	6.00	8.21	9.5	7.00	6.00	9.5	7.00	6.00	9.5	7.00	6.00	9.5	7.00	6.00	9.5	7.00	6.00	9.5	7.00	6.00	9.5	7.00	6.00	9.5	7.00	6.00	9.5	7.00	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																								
	149	6095	9.23	7.00	6.13	7.00	8.71	10.0	7.00	7.00	10.0	7.00	7.00	10.0	7.00	7.00	10.0	7.00	7.00	10.0	7.00	7.00	10.0	7.00	7.00	10.0	7.00	7.00	10.0	7.00	7.00	10.0	7.00	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																								
	181	6055	4.50	6.00	4.45	6.00	7.80	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																									
	185	6075	4.89	6.00	4.65	6.00	7.80	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	6.00	9.0	100.00																																																																																																																																																																																																																																																																																																																																																																									
	117	6235	6.53	7.50	4.78	6.50	8.75	10.0	7.50	7.50	10.0	7.50	7.50	10.0	7.50	7.50	10.0	7.50	7.50	10.0	7.50	7.50	10.0	7.50	7.50	10.0	7.50	7.50	10.0	7.50	7.50	10.0	7.50	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																								
	149	6095	-4.05	2.50	-4.02	-3.00	-1.50	0.5	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	2.50	-1.50	2.50	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																					
	185	6075	-1.40	0.50	-2.38	-0.69	1.16	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	-0.50	2.5	-0.50	6.00	9.5	100.00																																																																																																																																																																																																																																																																																																																																																																					
UNI 7 (8.925-8.85GHz)	802.11a-HE20 MCS0	143	6095	4.52	6.00	4.62	6.00	2.85	4.0	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00	1.00	6.00

	Mode	Channel	Frequency (MHz)	Default/Full		Head		Hotspot/Body worn Power Level 8		Duty Cycle %
				Art 3		Art 3		Art 3		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
Bluetooth	BR / EDR 1Mbps	0	2402	16.10	18.00	16.10	18.00	10.90	12.50	77.07%
		39	2441	17.00	18.00	17.00	18.00	11.60	12.50	
		78	2480	16.10	18.00	16.10	18.00	10.60	12.50	
	BR / EDR 2Mbps	0	2402	13.20	15.00	13.20	15.00		12.50	76.80%
		39	2441	14.80	15.00	14.80	15.00		12.50	
		78	2480	13.80	15.00	13.80	15.00		12.50	
	BR / EDR 3Mbps	0	2402	13.20	15.00	13.20	15.00		12.50	76.86%
		39	2441	14.80	15.00	14.80	15.00		12.50	
		78	2480	13.90	15.00	13.90	15.00		12.50	
	LE 1Mbps	0	2402	16.10	17.50	16.10	17.50	Not Required	12.50	85.20%
		19	2440	16.90	17.50	16.90	17.50		12.50	
		39	2480	16.30	17.50	16.30	17.50		12.50	
	LE 2Mbps	1	2404	16.00	17.50	16.00	17.50		12.50	56.91%
		19	2440	16.80	17.50	16.80	17.50		12.50	
		38	2478	16.20	17.50	16.20	17.50		12.50	