

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	188	251	128	188	251	
Frequency (MHz)		834.2	836.4	848.8	834.2	836.4	848.8	
GSM 1 Tx slot	32.52	32.59	32.47	33.10	23.52	23.59	23.47	24.10
GPRS 1 Tx slot	32.47	32.58	32.42	33.10	23.47	23.58	23.42	24.10
GPRS 2 Tx slots	29.87	30.14	29.82	30.80	23.97	24.14	23.82	24.60
GPRS 3 Tx slots	28.58	28.66	28.39	29.10	24.32	24.40	24.13	24.84
GPRS 4 Tx slots	27.52	27.59	27.55	27.80	24.52	24.59	24.55	24.60
EDGE(GMSK 1 Tx slot)	32.30	32.51	32.29	33.10	23.30	23.51	23.29	24.10
EDGE(GMSK 2 Tx slot)	29.82	30.01	29.82	30.80	23.82	24.01	23.82	24.60
EDGE(GMSK 3 Tx slot)	28.40	28.96	28.34	29.10	24.14	24.30	24.08	24.84
EDGE(GMSK 4 Tx slot)	27.46	27.51	27.38	27.60	24.46	24.51	24.36	24.60
EDGE 1 Tx slot	26.35	26.37	26.17	27.00	17.35	17.37	17.17	18.60
EDGE 2 Tx slot	25.31	25.23	25.19	25.60	19.31	19.23	19.19	19.60
EDGE 3 Tx slot	23.14	23.09	23.07	23.80	18.88	18.83	18.81	19.34
EDGE 4 Tx slot	21.53	21.41	21.25	22.10	18.53	18.41	18.25	19.10

Full&Default Power Mode								
GSM850_Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	188	251	128	188	251	
Frequency (MHz)		834.2	836.4	848.8	834.2	836.4	848.8	
GSM 1 Tx slot	32.43	32.60	32.39	33.50	23.43	23.60	23.39	24.50
GPRS 1 Tx slot	32.42	32.56	32.35	33.50	23.42	23.56	23.35	24.50
GPRS 2 Tx slots	29.95	30.10	29.85	31.00	23.95	24.10	23.85	25.00
GPRS 3 Tx slots	28.52	28.63	28.38	29.50	24.26	24.37	24.12	25.24
GPRS 4 Tx slots	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00
EDGE(GMSK 1 Tx slot)	32.41	32.57	32.33	33.50	23.41	23.57	23.33	24.50
EDGE(GMSK 2 Tx slot)	29.95	30.08	29.84	31.00	23.95	24.08	23.84	25.00
EDGE(GMSK 3 Tx slot)	28.52	28.62	28.37	29.50	24.26	24.36	24.11	25.24
EDGE(GMSK 4 Tx slot)	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00
EDGE 1 Tx slot	26.65	26.42	26.27	27.26	17.65	17.42	17.27	18.20
EDGE 2 Tx slot	25.51	25.36	25.24	26.00	19.51	19.36	19.24	20.00
EDGE 3 Tx slot	23.42	23.26	23.11	24.00	18.16	18.06	18.86	19.74
EDGE 4 Tx slot	21.41	21.49	21.38	22.50	18.41	18.48	18.38	19.50

GSM1900_Ant 5	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)		1860.2	1860	1860.8	1860.2	1860	1860.8	
GSM 1 Tx slot	28.78	29.79	29.89	30.50	19.78	20.79	20.89	21.50
GPRS 1 Tx slot	28.72	29.77	29.86	30.50	19.72	20.77	20.86	21.50
GPRS 2 Tx slots	27.32	27.30	27.40	28.50	21.32	21.30	21.40	22.50
GPRS 3 Tx slots	25.76	25.71	25.82	26.50	21.50	21.45	21.58	22.74
GPRS 4 Tx slots	24.72	24.68	24.81	25.00	21.72	21.66	21.81	22.00
EDGE(GMSK 1 Tx slot)	28.59	29.74	29.80	30.50	19.59	20.74	20.80	21.50
EDGE(GMSK 2 Tx slot)	27.21	27.16	27.38	28.50	21.21	21.16	21.36	22.50
EDGE(GMSK 3 Tx slot)	25.89	25.85	25.72	26.50	21.43	21.39	21.46	22.24
EDGE(GMSK 4 Tx slot)	24.69	24.53	24.67	25.00	21.69	21.53	21.67	22.00
EDGE 1 Tx slot	25.41	25.73	25.74	26.50	16.41	16.73	16.74	17.50
EDGE 2 Tx slot	23.93	23.72	23.57	24.50	17.33	17.72	17.57	18.50
EDGE 3 Tx slot	21.19	21.42	21.40	22.50	16.93	17.16	17.14	18.24
EDGE 4 Tx slot	20.48	20.67	20.61	21.50	17.48	17.67	17.61	18.50

GSM1900_Ant 6	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)		1860.2	1860	1860.8	1860.2	1860	1860.8	
GSM 1 Tx slot	29.00	28.80	28.70	29.70	20.00	19.80	19.70	20.70
GPRS 1 Tx slot	28.98	28.79	28.67	29.70	19.98	19.79	19.67	20.70
GPRS 2 Tx slots	26.61	26.33	26.16	27.70	20.61	20.33	20.16	21.70
GPRS 3 Tx slots	25.05	24.74	24.65	25.70	20.79	20.48	20.29	21.44
GPRS 4 Tx slots	24.02	23.70	23.54	24.20	21.02	20.70	20.54	21.20
EDGE(GMSK 1 Tx slot)	28.85	28.75	28.57	29.70	19.85	19.75	19.57	20.70
EDGE(GMSK 2 Tx slot)	26.57	26.20	26.07	27.70	20.57	20.20	20.07	21.70
EDGE(GMSK 3 Tx slot)	24.95	24.69	24.54	25.70	20.69	20.43	20.28	21.44
EDGE(GMSK 4 Tx slot)	23.69	23.69	23.49	24.20	20.98	20.69	20.49	21.20
EDGE 1 Tx slot	24.84	24.80	24.61	25.70	15.84	15.80	15.61	16.70
EDGE 2 Tx slot	22.61	22.72	22.51	23.70	16.61	16.72	16.51	17.70
EDGE 3 Tx slot	20.39	20.46	20.23	21.70	16.13	16.20	15.97	17.44
EDGE 4 Tx slot	19.75	19.66	19.53	20.70	16.75	16.66	16.53	17.70

Band	WCDMA IV_Ant 5				Tune-up Limit (dBm)	WCDMA IV_Ant 6				Tune-up Limit (dBm)
	Rx Channel	5062	5400	5538		5062	5400	5538		
Frequency (MHz)		1852.4	1860	1907.6		1852.4	1860	1907.6		
3GPP Rel 99	AMR 12.2Kbps	23.42	23.53	23.33	23.80	22.75	22.81	22.71	23.00	
3GPP Rel 99	RMC 12.2Kbps	23.50	23.55	23.47	23.80	22.83	22.85	22.84	23.00	
3GPP Rel 6	HSOPA Subtest-1	22.47	22.33	22.46	22.80	21.96	21.93	21.84	22.00	
3GPP Rel 6	HSOPA Subtest-2	22.48	22.41	22.42	22.80	21.98	21.96	21.83	22.00	
3GPP Rel 6	HSOPA Subtest-3	22.05	22.00	21.92	22.30	21.50	21.39	21.35	21.50	
3GPP Rel 6	HSOPA Subtest-4	22.02	21.99	22.00	22.30	21.47	21.34	21.35	21.50	
3GPP Rel 6	DC-HSOPA Subtest-1	22.36	22.32	22.44	22.80	21.84	21.80	21.79	22.00	
3GPP Rel 6	DC-HSOPA Subtest-2	22.36	22.30	22.28	22.80	21.84	21.82	21.77	22.00	
3GPP Rel 6	DC-HSOPA Subtest-3	22.04	21.98	21.89	22.30	21.49	21.29	21.34	21.50	
3GPP Rel 6	DC-HSOPA Subtest-4	21.92	21.95	21.85	22.30	21.34	21.23	21.22	21.50	
3GPP Rel 6	HSUPA Subtest-1	21.54	21.48	21.50	22.80	20.91	21.02	20.88	22.00	
3GPP Rel 6	HSUPA Subtest-2	21.54	21.52	21.44	22.80	20.99	21.01	20.91	22.00	
3GPP Rel 6	HSUPA Subtest-3	21.56	21.41	21.44	22.80	20.93	21.00	20.93	22.00	
3GPP Rel 6	HSUPA Subtest-4	21.09	21.06	21.06	22.30	20.02	20.05	19.90	21.50	
3GPP Rel 6	HSUPA Subtest-5	22.50	22.44	22.39	23.80	21.93	22.00	21.92	23.00	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.29	22.17	22.07	23.80	21.63	21.78	21.63	23.00	

Band	WCDMA IV_Ant5				Tune-up Limit (dBm)	WCDMA IV_Ant6				Tune-up Limit (dBm)	WCDMA IV_Ant7				Tune-up Limit (dBm)		
	Rx Channel	1312	1413	1513		1312	1413	1513	1312		1413	1513					
Frequency (MHz)		1537	1638	1738		1537	1638	1738		1537	1638	1738		1537	1638	1738	
3GPP Rel 99	AMR 12.2Kbps	24.40	24.34	24.29	24.80	23.63	23.59	23.61	24.00	23.69	23.65	23.62	24.20	21.52	21.61	21.51	21.90
3GPP Rel 99	RMC 12.2Kbps	24.40	24.43	24.38	24.80	23.67	23.74	23.66	24.00	23.71	23.79	23.75	24.20	21.57	21.63	21.58	21.90
3GPP Rel 6	HSOPA Subtest-1	23.36	23.30	23.28	23.80	22.60	22.48	22.49	23.00	22.81	22.66	22.67	23.20	20.68	20.48	20.59	20.90
3GPP Rel 6	HSOPA Subtest-2	23.36	23.35	23.22	23.80	22.56	22.51	22.51	23.00	22.80	22.63	22.69	23.20	20.39	20.47	20.86	20.80
3GPP Rel 6	HSOPA Subtest-3	22.89	22.88	22.82	23.30	22.12	21.97	22.09	22.50	22.38	22.20	22.20	22.70	19.86	20.00	20.09	20.40
3GPP Rel 6	HSOPA Subtest-4	22.87	22.78	22.75	23.30	22.08	22.06	22.04	22.50	22.32	22.15	22.18	22.70	19.80	20.02	20.04	20.40
3GPP Rel 6	DC-HSOPA Subtest-1	23.22	23.17	23.13	23.80	22.55	22.47	22.43	23.00	22.77	22.55	22.60	23.20	20.52	20.34	20.44	20.90
3GPP Rel 6	DC-HSOPA Subtest-2	23.21	23.20	23.09	23.80	22.52	22.49	22.37	23.00	22.71	22.61	22.56	23.20	20.31	20.44	20.47	20.90
3GPP Rel 6	DC-HSOPA Subtest-3	22.88	22.81	22.75	23.30	22.00	21.84	22.00	22.50	22.25	22.09	22.08	22.70	19.80	19.95	19.96	20.40
3GPP Rel 6	DC-HSOPA Subtest-4	22.86	22.64	22.63	23.30	21.97	21.93	21.89	22.50	22.25	22.14	22.12	22.70	19.74	19.89	19.97	20.40
3GPP Rel 6	HSUPA Subtest-1	22.38	22.23	22.34	22.80	21.46	21.49	21.38	22.00	21.65	21.67	21.78	22.20	19.53	19.56	19.68	19.90
3GPP Rel 6	HSUPA Subtest-2	22.42	22.29	22.33	22.80	21.44	21.52	21.46	22.00	21.58	21.73	21.80	22.20	19.62	19.57	19.65	19.90
3GPP Rel 6	HSUPA Subtest-3	22.40	22.30	22.36	22.80	21.50	21.52	21.40	22.00	21.69	21.73	21.78	22.20	19.58	19.58	19.67	19.90
3GPP Rel 6	HSUPA Subtest-4	21.97	21.87	21.96	22.30	21.00	21.08	20.93	21.50	21.14	21.26	21.27	21.70	19.07	19.11	19.20	19.40
3GPP Rel 6	HSUPA Subtest-5	23.40	23.36	23.33	23.80	22.38	22.50	22.37	23.00	22.67	22.70	22.80	23.20	20.56	20.50	20.60	20.90
3GPP Rel 7	HSPA+ (HIGAM) Subtest-1	23.11	23.02	23.03	23.80	22.09	22.17	22.05	23.00	22.44	22.36	22.55	23.20	20.31	20.24	20.30	20.90

Band	WCDMA V_Ant 0				WCDMA V_Ant 1			
TX Channel	4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)
Rx Channel	4357	4407	4458		4357	4407	4458	
Frequency (MHz)								
3GPP Rel 99	AMR 12.2kps	23.95	23.93	24.30	24.40	24.20	24.24	24.60
3GPP Rel 99	RM 12.2kps	23.97	24.00	23.95	24.40	24.25	24.34	24.30
3GPP Rel 6	HS2PA Subtest-1	21.98	22.96	22.87	23.40	23.33	23.30	23.21
3GPP Rel 6	HS2PA Subtest-2	22.93	22.83	22.26	23.40	23.30	22.27	23.26
3GPP Rel 6	HS2PA Subtest-3	22.40	22.35	22.31	23.40	23.30	22.27	23.26
3GPP Rel 6	HS2PA Subtest-4	22.44	22.35	22.36	22.90	22.79	22.75	22.66
3GPP Rel 6	DC-HSPA Subtest-1	22.84	22.92	22.75	23.40	23.18	23.15	23.13
3GPP Rel 6	DC-HSPA Subtest-2	22.80	22.71	22.70	23.40	23.27	23.18	23.13
3GPP Rel 6	DC-HSPA Subtest-3	22.46	22.29	22.25	23.90	22.71	22.57	22.66
3GPP Rel 6	DC-HSPA Subtest-4	22.32	22.32	22.32	23.40	23.30	23.27	23.26
3GPP Rel 6	HSUPA Subtest-1	21.95	21.97	21.90	22.40	22.34	22.30	22.30
3GPP Rel 6	HSUPA Subtest-2	21.93	21.92	21.90	22.40	22.34	22.26	22.32
3GPP Rel 6	HSUPA Subtest-3	21.94	21.94	21.96	22.40	22.33	22.26	22.21
3GPP Rel 6	HSUPA Subtest-4	21.47	21.50	21.48	21.90	21.82	21.78	22.30
3GPP Rel 6	HSUPA Subtest-5	23.00	23.00	23.00	23.40	23.30	23.17	22.30
3GPP Rel 7	HSRPA (16QAM) Subtest-1	22.72	22.83	22.76	23.40	23.08	22.83	22.89

Band 2_Ant 5										
RF (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MFR (dB)		
Channel										
Frequency (MHz)				16700	16800	16900				
30	QPSK	1	0	23.86	23.15	23.86	23.8	0		
30	QPSK	1	48	22.87	22.86	22.87				
30	QPSK	1	96	23.78	23.78	23.78				
30	QPSK	50	0	23.76	22.86	23.71				
30	QPSK	50	24	22.86	22.86	22.86	23.8	0		
30	QPSK	50	48	22.86	22.86	22.86				
30	QPSK	100	0	22.81	22.85	22.84				
30	QPSK	100	24	22.85	22.84	22.85	23.8	0		
30	QPSK	100	48	22.87	23.00	22.88				
30	QPSK	150	0	22.81	23.03	22.80				
30	QPSK	150	24	22.81	22.10	22.14				
30	QPSK	150	48	22.85	22.86	22.86	22.8	1		
30	QPSK	150	72	22.85	22.86	22.86				
30	QPSK	150	96	22.85	22.86	22.86				
30	QPSK	150	120	22.85	22.86	22.86				
30	QPSK	150	144	22.85	22.86	22.86				
30	QPSK	150	168	22.85	22.86	22.86				
30	QPSK	150	192	22.85	22.86	22.86				
30	QPSK	150	216	22.85	22.86	22.86				
30	QPSK	150	240	22.85	22.86	22.86				
30	QPSK	150	264	22.85	22.86	22.86				
30	QPSK	150	288	22.85	22.86	22.86				
30	QPSK	150	312	22.85	22.86	22.86				
30	QPSK	150	336	22.85	22.86	22.86				
30	QPSK	150	360	22.85	22.86	22.86				
30	QPSK	150	384	22.85	22.86	22.86				
30	QPSK	150	408	22.85	22.86	22.86				
30	QPSK	150	432	22.85	22.86	22.86				
30	QPSK	150	456	22.85	22.86	22.86				
30	QPSK	150	480	22.85	22.86	22.86				
30	QPSK	150	504	22.85	22.86	22.86				
30	QPSK	150	528	22.85	22.86	22.86				
30	QPSK	150	552	22.85	22.86	22.86				
30	QPSK	150	576	22.85	22.86	22.86				
30	QPSK	150	600	22.85	22.86	22.86				
30	QPSK	150	624	22.85	22.86	22.86				
30	QPSK	150	648	22.85	22.86	22.86				
30	QPSK	150	672	22.85	22.86	22.86				
30	QPSK	150	696	22.85	22.86	22.86				
30	QPSK	150	720	22.85	22.86	22.86				
30	QPSK	150	744	22.85	22.86	22.86				
30	QPSK	150	768	22.85	22.86	22.86				
30	QPSK	150	792	22.85	22.86	22.86				
30	QPSK	150	816	22.85	22.86	22.86				
30	QPSK	150	840	22.85	22.86	22.86				
30	QPSK	150	864	22.85	22.86	22.86				
30	QPSK	150	888	22.85	22.86	22.86				
30	QPSK	150	912	22.85	22.86	22.86				
30	QPSK	150	936	22.85	22.86	22.86				
30	QPSK	150	960	22.85	22.86	22.86				
30	QPSK	150	984	22.85	22.86	22.86				
30	QPSK	150	1008	22.85	22.86	22.86				
30	QPSK	150	1032	22.85	22.86	22.86				
30	QPSK	150	1056	22.85	22.86	22.86				
30	QPSK	150	1080	22.85	22.86	22.86				
30	QPSK	150	1104	22.85	22.86	22.86				
30	QPSK	150	1128	22.85	22.86	22.86				
30	QPSK	150	1152	22.85	22.86	22.86				
30	QPSK	150	1176	22.85	22.86	22.86				
30	QPSK	150	1200	22.85	22.86	22.86				
30	QPSK	150	1224	22.85	22.86	22.86				
30	QPSK	150	1248	22.85	22.86	22.86				
30	QPSK	150	1272	22.85	22.86	22.86				
30	QPSK	150	1296	22.85	22.86	22.86				
30	QPSK	150	1320	22.85	22.86	22.86				
30	QPSK	150	1344	22.85	22.86	22.86				
30	QPSK	150	1368	22.85	22.86	22.86				
30	QPSK	150	1392	22.85	22.86	22.86				
30	QPSK	150	1416	22.85	22.86	22.86				
30	QPSK	150	1440	22.85	22.86	22.86				
30	QPSK	150	1464	22.85	22.86	22.86				
30	QPSK	150	1488	22.85	22.86	22.86				
30	QPSK	150	1512	22.85	22.86	22.86				
30	QPSK	150	1536	22.85	22.86	22.86				
30	QPSK	150	1560	22.85	22.86	22.86				
30	QPSK	150	1584	22.85	22.86	22.86				
30	QPSK	150	1608	22.85	22.86	22.86				
30	QPSK	150	1632	22.85	22.86	22.86				
30	QPSK	150	1656	22.85	22.86	22.86				
30	QPSK	150	1680	22.85	22.86	22.86				
30	QPSK	150	1704	22.85	22.86	22.86				
30	QPSK	150	1728	22.85	22.86	22.86				
30	QPSK	150	1752	22.85	22.86	22.86				
30	QPSK	150	1776	22.85	22.86	22.86				
30	QPSK	150	1800	22.85	22.86	22.86				
30	QPSK	150	1824	22.85	22.86	22.86				
30	QPSK	150	1848	22.85	22.86	22.86				
30	QPSK	150	1872	22.85	22.86	22.86				
30	QPSK	150	1896	22.85	22.86	22.86				
30	QPSK	150	1920	22.85	22.86	22.86				
30	QPSK	150	1944	22.85	22.86	22.86				
30	QPSK	150	1968	22.85	22.86	22.86				
30	QPSK	150	1992	22.85	22.86	22.86				
30	QPSK	150	2016	22.85	22.86	22.86				
30	QPSK	150	2040	22.85	22.86	22.86				
30	QPSK	150	2064	22.85	22.86	22.86				
30	QPSK	150	2088	22.85	22.86	22.86				
30	QPSK	150	2112	22.85	22.86	22.86				
30	QPSK	150	2136	22.85	22.86	22.86				
30	QPSK	150	2160	22.85	22.86	22.86				
30	QPSK	150	2184	22.85	22.86	22.86				
30	QPSK	150	2208	22.85	22.86	22.86				
30	QPSK	150	2232	22.85	22.86	22.86				
30	QPSK	150	2256	22.85	22.86	22.86				
30	QPSK	150	2280	22.85	22.86	22.86				
30	QPSK	150	2304	22.85	22.86	22.86				
30	QPSK	150	2328	22.85	22.86	22.86				
30	QPSK	150	2352	22.85	22.86	22.86				
30	QPSK	150	2376	22.85	22.86	22.86				
30	QPSK	150	2400	22.85	22.86	22.86				
30	QPSK	150	2424	22.85	22.86	22.86				
30	QPSK	150	2448	22.85	22.86	22.86				
30	QPSK	150	2472	22.85	22.86	22.86				
30	QPSK	150	2496	22.85	22.86	22.86				
30	QPSK	150	2520	22.85	22.86	22.86				
30	QPSK	150	2544	22.85	22.86	22.86				
30	QPSK	150	2568	22.85	22.86	22.86				
30	QPSK	150	2592	22.85	22.86	22.86				
30	QPSK	150	2616	22.85	22.86	22.86				
30	QPSK	150	2640	22.85	22.86	22.86				
30	QPSK	150	2664	22.85	22.86	22.86				
30	QPSK	150	2688	22.85	22.86	22.86				
30	QPSK	150	2712	22.85	22.86	22.86				
30	QPSK	150	2736	22.85	22.86	22.86				
30	QPSK	150	2760	22.85	22.86	22.86				
30	QPSK	150	2784	22.85	22.86	22.86				
30	QPSK	150	2808	22.85	22.86	22.86				
30	QPSK	150	2832	22.85	22.86	22.86				
30	QPSK	150	2856	22.85	22.86	22.86				
30	QPSK	150	2880	22.85	22.86	22.86				
30	QPSK	150	2904	22.85	22.86	22.86				
30	QPSK	150	2928	22.85	22.86	22.86				
30	QPSK	150	2952	22.85	22.86	22.86				
30	QPSK	150	2976	22.85	22.86	22.86				
30	QPSK	150	3000	22.85	22.86	22.86				
30	QPSK	150	3024	22.85	22.86	22.86				
30	QPSK	150	3048	22.85	22.86	22.86				
30	QPSK	150	3072	22.85	22.86	22.86				
30	QPSK	150	3096	22.85	22.86	22.86				
30	QPSK	150	3120	22.85	22.86	22.86				
30	QPSK	150	3144	22.85	22.86	22.86				
30	QPSK	150	3168	22.85	22.86	22.86				
30	QPSK	150	3192	22.85	22.86	22.86				
30	QPSK	150	3216	22.85	22.86	22.86				
30	QPSK	150	3240	22.85	22.86	22.86				
30	QPSK	150	3264	22.85	22.86	22.86				
30	QPSK	150	3288	22.85	22.86	22.86				
30	QPSK	150	3312	22.85	22.86	22.86				
30	QPSK	150	3336	22.85	22.86	22.86				
30	QPSK	150	3							



Band 4_Ant 6									
BW (MHz)	Modulation	RE Sub	RB Offset	Power Low Ch/Freq	Power Med Ch/Freq	Power High Ch/Freq	Tau sec	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.17	23.17	23.07			
20	QPSK	1	48	23.97	23.97	23.99	24.2	0	
20	QPSK	1	96	23.97	23.97	23.99			
20	QPSK	50	0	22.82	22.82	22.78			
20	QPSK	50	24	22.72	22.82	22.78	24.2	0	
20	QPSK	50	75	22.72	22.82	22.78			
20	QPSK	100	0	22.70	22.85	22.77			
20	HQAM	1	0	22.75	22.85	22.80			
20	HQAM	1	48	21.27	21.27	21.29	23.2	1	
20	HQAM	1	96	22.80	22.81	22.73			
20	HQAM	50	0	22.24	22.28	22.26			
20	HQAM	50	24	22.20	22.27	22.29	23.2	1	
20	HQAM	50	75	22.20	22.28	22.26			
20	HQAM	100	0	22.21	22.25	22.17			
20	HQAM	1	0	21.26	21.26	21.26			
20	HQAM	1	48	21.89	21.94	21.83	23.2	1	
20	HQAM	1	96	21.89	21.94	21.89			
20	HQAM	50	0	21.26	21.26	21.26			
20	HQAM	50	24	21.20	21.28	21.23	22.2	2	
20	HQAM	50	75	21.20	21.28	21.23			
20	HQAM	100	0	21.18	21.26	21.19			
20	HQAM	1	0	18.12	18.23	18.12			
20	HQAM	1	48	18.12	18.21	18.16	19.2	5	
20	HQAM	1	96	18.16	18.19	18.16			
20	HQAM	50	0	18.20	18.26	18.23			
20	HQAM	50	24	18.20	18.23	18.21	19.2	5	
20	HQAM	50	75	18.21	18.27	18.25			
20	HQAM	100	0	18.21	18.27	18.28			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.10	23.14	23.09			
15	QPSK	1	37	23.97	23.97	23.98	24.2	0	
15	QPSK	1	75	23.97	23.97	23.98			
15	QPSK	36	0	22.69	22.83	22.83			
15	QPSK	36	20	22.68	22.74	22.61	24.2	0	
15	QPSK	36	75	22.68	22.87	22.81			
15	QPSK	75	0	22.58	22.78	22.74			
15	HQAM	1	0	22.73	22.89	22.87			
15	HQAM	1	37	22.73	22.89	22.87	24.2	0	
15	HQAM	1	75	22.73	22.89	22.87			
15	HQAM	36	0	22.69	22.87	22.86			
15	HQAM	36	20	22.69	22.87	22.86	23.2	1	
15	HQAM	36	75	22.69	22.87	22.86			
15	HQAM	75	0	21.96	22.18	22.07			
15	HQAM	75	0	21.96	22.18	22.07			
15	HQAM	75	0	21.96	22.18	22.07			
15	HQAM	1	37	21.70	21.91	21.75	23.2	1	
15	HQAM	1	75	21.76	21.81	21.78			
15	HQAM	36	0	21.16	21.27	21.20			
15	HQAM	36	20	21.16	21.27	21.25	23.2	2	
15	HQAM	36	75	21.16	21.27	21.21			
15	HQAM	75	0	21.05	21.11	21.07			
15	HQAM	1	0	18.05	18.21	17.97			
15	HQAM	1	37	18.17	18.07	18.04	19.2	5	
15	HQAM	1	75	18.16	18.07	18.14			
15	HQAM	36	0	18.10	18.12	18.16			
15	HQAM	36	20	18.24	18.20	18.17	19.2	5	
15	HQAM	36	75	18.24	18.20	18.17			
15	HQAM	75	0	18.20	18.21	18.20			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.98	23.16	23.01			
15	QPSK	1	25	22.62	22.67	22.60	24.2	0	
15	QPSK	1	50	22.62	22.67	22.60			
15	QPSK	25	0	22.69	22.75	22.67			
15	QPSK	25	12	22.64	22.62	22.70	24.2	0	
15	QPSK	25	75	22.64	22.73	22.67			
15	QPSK	50	0	22.57	22.72	22.74			
15	HQAM	1	0	22.67	22.79	22.75			
15	HQAM	1	25	22.67	22.79	22.75	24.2	0	
15	HQAM	1	50	22.67	22.79	22.75			
15	HQAM	25	0	22.14	22.25	22.22			
15	HQAM	25	12	22.12	22.23	22.22	23.2	1	
15	HQAM	25	75	22.12	22.23	22.22			
15	HQAM	50	0	22.03	22.22	22.23			
15	HQAM	50	0	21.97	21.83	21.82			
15	HQAM	1	25	21.78	21.88	21.70	23.2	1	
15	HQAM	1	50	21.74	21.87	21.84			
15	HQAM	25	0	21.16	21.23	21.25			
15	HQAM	25	12	21.10	21.23	21.23	23.2	2	
15	HQAM	25	75	21.10	21.23	21.24			
15	HQAM	50	0	21.07	21.09	21.09			
15	HQAM	1	0	18.16	18.20	17.99			
15	HQAM	1	48	18.16	18.07	18.06	19.2	5	
15	HQAM	1	96	18.16	18.14	18.16			
15	HQAM	25	0	18.05	18.16	18.12			
15	HQAM	25	12	18.10	18.23	18.15	19.2	5	
15	HQAM	25	75	18.10	18.23	18.15			
15	HQAM	50	0	18.20	18.25	18.20			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.02	23.10	23.06			
5	QPSK	1	12	22.65	22.69	22.66	24.2	0	
5	QPSK	1	25	22.65	22.69	22.66			
5	QPSK	12	0	22.74	22.82	22.65			
5	QPSK	12	7	22.62	22.80	22.67	24.2	0	
5	QPSK	12	25	22.67	22.87	22.86			
5	QPSK	25	0	22.62	22.71	22.68			
5	HQAM	1	0	22.71	22.89	22.88			
5	HQAM	1	12	22.64	22.69	22.62	24.2	0	
5	HQAM	1	25	22.70	22.80	22.59			
5	HQAM	12	0	22.14	22.24	22.21			
5	HQAM	12	7	22.08	22.24	22.21	23.2	1	
5	HQAM	12	25	22.08	22.24	22.25			
5	HQAM	25	0	22.07	22.18	22.25			
5	HQAM	25	0	21.81	21.08	21.79			
5	HQAM	1	12	21.77	21.83	21.75	23.2	1	
5	HQAM	1	25	21.68	21.79	21.75			
5	HQAM	12	0	21.16	21.21	21.27			
5	HQAM	12	7	21.20	21.29	21.15	23.2	2	
5	HQAM	12	25	21.20	21.29	21.18			
5	HQAM	25	0	21.10	21.09	21.07			
5	HQAM	1	0	17.99	18.12	18.08			
5	HQAM	1	12	18.07	18.10	18.09	19.2	5	
5	HQAM	1	25	18.07	18.10	18.12			
5	HQAM	12	0	18.17	18.25	18.15			
5	HQAM	12	7	18.13	18.26	18.13	19.2	5	
5	HQAM	12	25	18.13	18.26	18.13			
5	HQAM	25	0	18.27	18.29	18.20			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.06	23.09	23.04			
3	QPSK	1	8	22.68	22.67	22.67	24.2	0	
3	QPSK	1	16	22.68	22.74	22.72			
3	QPSK	8	0	22.63	22.81	22.75			
3	QPSK	8	8	22.63	22.85	22.78	24.2	0	
3	QPSK	16	0	22.61	22.81	22.63			
3	HQAM	1	0	22.61	22.87	22.79			
3	HQAM	1	8	22.64	22.79	22.68	24.2	0	
3	HQAM	1	16	22.70	22.80	22.58			
3	HQAM	8	0	22.12	22.29	22.33			
3	HQAM	8	8	22.10	22.23	22.23	23.2	1	
3	HQAM	8	16	22.07	22.27	22.23			
3	HQAM	16	0	21.99	22.23	22.23			
3	HQAM	1	0	21.81	21.88	21.77			
3	HQAM	1	8	21.76	21.79	21.74	23.2	1	
3	HQAM	1	16	21.74	21.88	21.78			
3	HQAM	8	0	21.16	21.27	21.21			
3	HQAM	8	8	21.20	21.27	21.28	23.2	2	
3	HQAM	8	16	21.16	21.29	21.22			
3	HQAM	16	0	21.17	21.24	21.08			
3	HQAM	1	0	18.01	18.17	18.07			
3	HQAM	1	8	18.12	18.03	18.03	19.2	5	
3	HQAM	1	16	18.04	18.04	18.03			
3	HQAM	8	0	18.17	18.18	18.19			
3	HQAM	8	8	18.10	18.25	18.17	19.2	5	
3	HQAM	8	16	18.10	18.25	18.17			
3	HQAM	16	0	18.20	18.24	18.20			

Band 4_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tau (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.22	23.32	23.31			
20	QPSK	1	48	23.68	23.61	23.61	24.4	0	
20	QPSK	1	96	23.68	23.21	23.56			
20	QPSK	1	24	23.78	23.82	23.88			
20	QPSK	50	24	22.70	22.80	22.85			
20	QPSK	50	50	22.70	22.80	22.85			
20	QPSK	1	0	22.75	22.87	22.81			
20	16QAM	1	48	22.77	22.91	22.79	24.4	0	
20	16QAM	1	96	22.77	22.80	22.80			
20	16QAM	50	0	22.70	22.80	22.85			
20	16QAM	50	24	22.28	22.35	22.33			
20	16QAM	50	50	22.28	22.35	22.33	23.4	1	
20	16QAM	100	0	22.28	22.34	22.28			
20	8QAM	1	0	21.67	21.80	21.70			
20	8QAM	1	48	21.67	21.80	21.70	23.4	1	
20	8QAM	1	96	21.67	21.84	21.82			
20	8QAM	50	0	21.26	21.30	21.27			
20	8QAM	50	24	21.26	21.30	21.28			
20	8QAM	50	50	21.26	21.33	21.24	22.4	2	
20	8QAM	100	0	21.29	21.33	21.29			
20	25QAM	1	0	18.27	18.40	18.31			
20	25QAM	1	48	18.21	18.29	18.25	19.4	1	
20	25QAM	1	96	18.28	18.32	18.26			
20	25QAM	50	24	18.26	18.31	18.27			
20	25QAM	50	50	18.25	18.37	18.34			
20	25QAM	100	0	18.38	18.41	18.37			
Channel									
Frequency (MHz)									
18	QPSK	1	0	23.05	23.15	23.05			
18	QPSK	1	0	23.20	23.18	23.27			
18	QPSK	1	25	23.20	23.18	23.27	24.4	0	
18	QPSK	1	74	23.02	23.09	22.97			
18	QPSK	36	20	22.67	22.68	22.79			
18	QPSK	36	39	22.67	22.68	22.79	24.4	0	
18	QPSK	75	1	22.67	22.72	22.72			
18	16QAM	1	0	22.67	22.84	22.76			
18	16QAM	1	37	22.67	22.78	22.70	24.4	0	
18	16QAM	1	74	22.67	22.78	22.70			
18	16QAM	36	20	22.15	22.23	22.15			
18	16QAM	36	39	22.15	22.23	22.22	23.4	1	
18	8QAM	1	0	21.24	21.27	21.24			
18	8QAM	75	0	21.24	21.27	21.26			
18	8QAM	1	0	21.64	21.76	21.62	23.4	1	
18	8QAM	1	37	21.64	21.76	21.62			
18	8QAM	1	74	21.64	21.74	21.70			
18	8QAM	36	0	21.14	21.27	21.13			
18	8QAM	36	20	21.14	21.27	21.26	22.4	2	
18	8QAM	36	39	21.14	21.22	21.18			
18	8QAM	75	0	21.26	21.31	21.17			
18	25QAM	1	0	18.27	18.30	18.17			
18	25QAM	1	37	18.12	18.17	18.14	19.4	5	
18	25QAM	1	74	18.14	18.26	18.17			
18	25QAM	50	24	18.12	18.26	18.18			
18	25QAM	50	50	18.27	18.34	18.15	19.4	5	
18	25QAM	100	0	18.29	18.28	18.32			
18	25QAM	75	0	18.34	18.39	18.34			
Channel									
Frequency (MHz)									
18	QPSK	1	0	23.18	23.18	23.21			
18	QPSK	1	25	23.20	23.18	23.27	24.4	0	
18	QPSK	1	48	23.08	23.10	23.01			
18	QPSK	1	74	22.82	22.82	22.79			
18	QPSK	25	12	22.67	22.67	22.78	24.4	0	
18	QPSK	25	26	22.62	22.71	22.60			
18	QPSK	50	0	22.71	22.81	22.68			
18	16QAM	1	0	22.70	22.82	22.68			
18	16QAM	1	25	22.67	22.84	22.71	24.4	0	
18	16QAM	1	48	22.71	22.82	22.70			
18	16QAM	25	0	22.21	22.30	22.21			
18	16QAM	25	12	22.21	22.30	22.32	23.4	1	
18	16QAM	50	0	21.26	21.30	21.16			
18	8QAM	1	0	21.26	21.70	21.60	23.4	1	
18	8QAM	1	25	21.16	21.15	21.14			
18	8QAM	1	48	21.16	21.21	21.15			
18	8QAM	25	0	21.16	21.21	21.11	22.4	2	
18	8QAM	25	12	21.22	21.22	21.13			
18	8QAM	50	0	21.22	21.18	21.11			
18	25QAM	1	0	18.26	18.35	18.27			
18	25QAM	1	25	18.14	18.23	18.17	19.4	5	
18	25QAM	1	48	18.14	18.31	18.17			
18	25QAM	50	24	18.16	18.35	18.25			
18	25QAM	50	50	18.30	18.39	18.21	19.4	5	
18	25QAM	100	0	18.35	18.35	18.24			
18	25QAM	75	0	18.34	18.31	18.34			
Channel									
Frequency (MHz)									
18	QPSK	1	0	23.08	23.27	23.23			
18	QPSK	1	25	23.20	23.18	23.27	24.4	0	
18	QPSK	1	24	23.02	23.17	22.99			
18	QPSK	12	0	22.82	22.88	22.71			
18	QPSK	12	7	22.83	22.88	22.72	24.4	0	
18	QPSK	28	0	22.72	22.82	22.69			
18	16QAM	1	0	22.66	22.77	22.66			
18	16QAM	1	12	22.69	22.81	22.74	24.4	0	
18	16QAM	1	24	22.67	22.72	22.69			
18	16QAM	12	7	22.16	22.24	22.16			
18	16QAM	12	7	22.14	22.32	22.21	23.4	1	
18	16QAM	12	19	22.15	22.32	22.21			
18	16QAM	25	0	21.18	22.29	21.17	23.4	1	
18	8QAM	1	0	21.61	21.67	21.62			
18	8QAM	1	12	21.61	21.67	21.63			
18	8QAM	1	24	21.68	21.80	21.69	23.4	1	
18	8QAM	12	0	21.14	21.25	21.15			
18	8QAM	13	0	21.14	21.14	21.14			
18	8QAM	12	13	21.19	21.29	21.15	22.4	2	
18	8QAM	25	0	21.15	21.27	21.14			
18	25QAM	1	0	18.26	18.34	18.25			
18	25QAM	1	12	18.20	18.30	18.10	19.4	5	
18	25QAM	1	24	18.18	18.23	18.19			
18	25QAM	12	0	18.32	18.37	18.11			
18	25QAM	12	7	18.34	18.27	18.20	19.4	5	
18	25QAM	12	13	18.20	18.26	18.27			
18	25QAM	25	0	18.34	18.24	18.34			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.30	23.22	23.23			
3	QPSK	1	0	23.20	23.28	23.28			
3	QPSK	1	14	23.05	23.17	22.99	24.4	0	
3	QPSK	8	0	22.91	22.96	22.81			
3	QPSK	8	7	22.88	22.88	22.77	24.4	0	
3	QPSK	8	7	22.88	22.86	22.96			
3	QPSK	16	0	22.69	22.82	22.72			
3	16QAM	1	0	22.63	22.81	22.76			
3	16QAM	1	8	22.67	22.83	22.65	24.4	0	
3	16QAM	1	14	22.69	22.79	22.67			
3	16QAM	8	0	22.21	22.28	22.18			
3	16QAM	8	4	22.15	22.20	22.26	23.4	1	
3	8QAM	1	0	21.63	21.63	21.63			
3	8QAM	1	14	21.64	21.73	21.70	23.4	1	
3	8QAM	8	0	21.15	21.17	21.17			
3	8QAM	8	7	21.15	21.15	21.15			
3	8QAM	8	7	21.14	21.19	21.14	22.4	2	
3	8QAM	16	0	21.20	21.20	21.23			
3	25QAM	1	0	18.12	18.20	18.12			
3	25QAM	1	14	18.24	18.28	18.11	19.4	5	
3	25QAM	1	18	18.15	18.22	18.08			
3	25QAM	8	4	18.26	18.35	18.22	19.4	5	
3	25QAM	16	0	18.26	18.34	18.27			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.02	23.22	23.23			
1.4	QPSK	1	0	23.20	23.28	23.28			
1.4	QPSK	1	5	23.02	23.13	22.95	24.4	0	
1.4	QPSK	3	0	22.67	22.80	22.72			
1.4	QPSK	3	2	22.64	22.79	22.67			
1.4	16QAM	1	0	22.74	22.88	22.71			
1.4	16QAM	1	3	22.74	22.88	22.76	24.4	0	
1.4	16QAM	1	3	22.64	22.80	22.65			
1.4	16QAM	3	0	22.24	22.31	22.22			
1.4	8QAM	1	0	21.65	21.68	21.67	23.4	1	
1.4	8QAM	1	5	21.65	21.83	21.72			
1.4	8QAM	3	0	21.28	21.63	21.67	23.4	1	
1.4	8QAM	3	2	21.12	21.12	21.12			
1.4	8QAM	3	3	21.53	21.73	21.70			
1.4	8QAM	6	0	21.20	21.29	21.23	22.4	2	
1.4	25QAM	1	0	18.12	18.20	18.12			
1.4	25QAM	1	3	18.16	18.18	18.14	19.4	5	
1.4	25QAM	3	0	18.15	18.22	18.15			
1.4	25QAM	3	1	18.34	18.34	18.22			
1.4	25QAM	3	3	18.10	18.36	18.28	19.4	5	

Band 5_Ant 0															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power High Ch / Freqs	Power High Ch / Freqs	Turn-up time (mins)	MTR (dB)	Ch Delta +0.5						
Channel															
Frequency (MHz)				2510	2510	2510	Turn-up time (mins)	MTR (dB)	Ch Delta +0.5						
10	QPSK	1	0	24.30	24.31	24.30	24.6	0	0.21						
10	QPSK	1	25	24.10	24.17	24.12									
10	QPSK	1	40	24.27	24.29	24.24									
10	QPSK	25	0	23.07	23.09	23.02									
10	QPSK	25	12	23.85	23.82	23.84									
10	QPSK	25	25	23.73	23.61	23.77	24.6	0	0.23						
10	QPSK	50	0	23.88	23.85	23.81									
10	16QAM	1	0	24.02	24.14	24.12									
10	16QAM	1	25	23.99	24.06	23.97									
10	16QAM	1	40	23.94	24.04	23.91									
10	16QAM	25	0	23.19	23.28	23.21	23.6	1	0.23						
10	16QAM	25	12	23.21	23.27	23.23									
10	16QAM	25	25	23.39	23.41	23.36									
10	16QAM	50	0	23.22	23.26	23.26									
10	16QAM	50	12	23.29	23.29	23.26									
10	64QAM	1	49	22.81	22.83	22.83	23.6	1	0.18						
10	64QAM	25	0	22.11	22.26	22.16									
10	64QAM	25	12	22.33	22.35	22.35									
10	64QAM	25	25	22.28	22.30	22.29									
10	64QAM	50	0	22.32	22.36	22.36									
10	256QAM	1	25	19.27	19.40	19.35	19.6	5	0.27						
10	256QAM	1	25	19.23	19.28	19.13									
10	256QAM	1	49	19.36	19.38	19.37									
10	256QAM	25	0	19.31	19.38	19.29									
10	256QAM	25	12	19.38	19.40	19.32									
10	256QAM	25	25	19.33	19.34	19.31	19.6	5	0.17						
10	256QAM	50	0	19.30	19.32	19.26									
10	256QAM	50	12	19.27	19.30	19.23									
10	256QAM	50	25	19.21	19.28	19.20									
10	256QAM	100	0	19.19	19.20	19.19									
Channel															
Frequency (MHz)				2510	2510	2510	Turn-up time (mins)	MTR (dB)	Ch Delta +0.5						
5	QPSK	1	0	24.14	24.20	24.23	24.6	0	0.22						
5	QPSK	1	12	24.01	24.13	24.02									
5	QPSK	1	24	24.23	24.21	24.14									
5	QPSK	12	0	23.84	23.91	23.78									
5	QPSK	12	7	23.71	23.86	23.73									
5	QPSK	12	13	23.12	23.12	23.14	24.6	0	0.30						
5	QPSK	25	0	23.83	23.82	23.74									
5	16QAM	1	0	23.87	24.03	23.89									
5	16QAM	1	12	23.84	24.00	23.97									
5	16QAM	1	24	23.82	24.01	23.79									
5	16QAM	12	7	23.22	23.32	23.08	23.6	1	0.27						
5	16QAM	12	13	23.30	23.39	23.09									
5	16QAM	25	0	23.15	23.27	23.21									
5	16QAM	25	7	23.22	23.27	23.07									
5	64QAM	1	24	22.71	22.86	22.74									
5	64QAM	12	0	22.36	22.35	22.21	23.6	1	0.20						
5	64QAM	12	7	22.30	22.34	22.22									
5	64QAM	12	13	22.11	22.25	22.09									
5	64QAM	25	0	22.25	22.31	22.21									
5	64QAM	25	7	22.28	22.30	22.20									
5	256QAM	1	12	19.10	19.15	19.08	19.6	5	0.26						
5	256QAM	1	24	19.23	19.28	19.20									
5	256QAM	12	0	19.23	19.26	19.27									
5	256QAM	12	7	19.24	19.27	19.19									
5	256QAM	12	13	19.16	19.13	19.13									
5	256QAM	25	0	19.16	19.22	19.18	19.6	5	0.22						
5	256QAM	25	7	19.18	19.20	19.18									
5	256QAM	25	12	19.15	19.18	19.15									
5	256QAM	25	25	19.10	19.15	19.10									
Channel															
Frequency (MHz)				2510	2510	2510				Turn-up time (mins)	MTR (dB)	Ch Delta +0.5			
3	QPSK	1	0	24.14	24.21	24.18	24.6	0	0.27						
3	QPSK	1	8	24.00	24.08	24.02									
3	QPSK	1	16	24.23	24.21	24.14									
3	QPSK	8	0	23.80	23.88	23.82									
3	QPSK	8	4	23.84	23.88	23.83									
3	QPSK	16	0	23.74	23.79	23.76	24.6	0	0.24						
3	QPSK	16	8	23.91	24.06	24.00									
3	QPSK	16	16	23.82	23.87	23.87									
3	QPSK	25	0	23.83	23.87	23.80									
3	QPSK	25	8	23.68	23.81	23.75									
3	16QAM	1	0	23.18	23.29	23.14	23.6	1	0.27						
3	16QAM	8	7	23.29	23.30	23.31									
3	16QAM	15	0	23.16	23.26	23.17									
3	64QAM	1	0	22.83	22.87	22.80									
3	64QAM	1	8	22.75	22.89	22.78									
3	64QAM	1	14	22.74	22.81	22.78	23.6	1	0.15						
3	64QAM	8	0	22.07	22.18	22.08									
3	64QAM	8	4	22.30	22.24	22.22									
3	64QAM	8	7	22.19	22.28	22.26									
3	64QAM	15	0	22.22	22.35	22.16									
3	256QAM	1	0	19.15	19.20	19.13	19.6	5	0.26						
3	256QAM	1	8	19.10	19.21	18.96									
3	256QAM	1	14	19.31	19.34	19.24									
3	256QAM	8	0	19.19	19.20	19.21									
3	256QAM	8	4	19.16	19.27	19.22									
3	256QAM	8	7	19.21	19.32	19.17	19.6	5	0.17						
3	256QAM	15	0	19.15	19.24	19.20									
3	256QAM	15	8	19.18	19.20	19.18									
3	256QAM	15	14	19.10	19.15	19.10									
3	256QAM	15	25	19.10	19.15	19.10									
Channel															
Frequency (MHz)				2517	2515	2513	Turn-up time (mins)	MTR (dB)	Ch Delta +0.5						
1.4	QPSK	1	0	24.08	24.11	24.05	24.6	0	0.49						
1.4	QPSK	1	3	24.09	24.11	24.05									
1.4	QPSK	1	5	24.20	24.19	24.14									
1.4	QPSK	1	8	24.08	24.10	24.04									
1.4	QPSK	1	11	23.92	24.01	23.87									
1.4	QPSK	3	0	23.82	23.87	23.81	24.6	0	0.10						
1.4	QPSK	3	3	23.76	23.82	23.78									
1.4	16QAM	1	0	23.09	24.00	24.00									
1.4	16QAM	1	3	23.88	23.99	23.95									
1.4	16QAM	1	6	23.86	23.95	23.94									
1.4	16QAM	3	0	23.89	23.95	23.94	24.6	0	0.21						
1.4	16QAM	3	1	23.86	23.98	23.90									
1.4	16QAM	3	3	23.85	23.96	23.93									
1.4	16QAM	6	0	23.15	23.26	23.16									
1.4	16QAM	6	3	22.85	22.84	22.79									
1.4	16QAM	1	0	22.77	22.77	22.77	23.6	1	0.11						
1.4	16QAM	1	5	22.89	22.89	22.78									
1.4	16QAM	3	5	22.81	22.81	22.72									
1.4	16QAM	3	8	22.79	22.83	22.72									
1.4	16QAM	3	11	22.77	22.80	22.72									
1.4	64QAM	3	0	22.56	22.62	22.68	22.6	2	0.11						
1.4	64QAM	3	3	22.57	22.60	22.59									
1.4	64QAM	3	6	22.57	22.59	22.59									
1.4	64QAM	6	0	22.30	22.32	22.32									
1.4	64QAM	6	3	22.32	22.33	22.32									
1.4	256QAM	1	3	19.15	19.27	19.24	19.6	5	0.35						
1.4	256QAM	1	5	19.26	19.31	19.25									
1.4	256QAM	1	8	19.28	19.34	19.27									
1.4	256QAM	3	1	19.15	19.30	19.19									
1.4	256QAM	3	3	19.08	19.32	19.17									
1.4	256QAM	3	5	19.28	19.31	19.17	19.6	5	0.15						
1.4	256QAM	3	8	19.16	19.30	19.19									
1.4	256QAM	3	11	19.15	19.30	19.19									
1.4	256QAM	3	14	19.15	19.30	19.19									
1.4	256QAM	3	17	19.15	19.30	19.19									

Band 7_Ant 7									
RF [MHz]	Modulation	RB [MHz]	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MFR (dB)	
Channel				2090	2150	2160			
Frequency (MHz)				2090	2096	2096			
30	QPSK	1	0	20.33	20.38	20.38	21.5	0	
30	QPSK	1	40	20.94	20.13	20.08			
30	QPSK	1	80	20.27	20.22	20.21			
30	QPSK	50	0	19.85	19.97	19.93	20.5	1	
30	QPSK	50	24	19.79	19.82	19.75			
30	QPSK	50	50	19.61	19.73	19.65			
30	QPSK	100	0	19.74	19.82	19.70			
30	16QAM	1	0	19.68	19.85	19.79	20.5	1	
30	16QAM	1	40	19.60	19.69	19.57			
30	16QAM	1	80	19.58	19.73	19.67			
30	16QAM	50	0	19.03	19.12	19.09			
30	16QAM	50	24	19.08	19.11	19.06	19.5	2	
30	16QAM	50	50	19.11	19.24	19.22			
30	16QAM	100	0	19.09	19.21	19.06			
30	64QAM	1	0	19.70	19.76	19.68	19.5	2	
30	64QAM	1	40	19.68	19.69	19.58			
30	64QAM	50	0	19.23	19.26	19.25			
30	64QAM	50	24	19.12	19.25	19.11	18.5	3	
30	64QAM	50	50	19.24	19.32	19.19			
30	64QAM	100	0	19.22	19.32	19.31			
30	256QAM	1	0	19.32	19.45	19.33	18.5	5	
30	256QAM	1	40	19.36	19.44	19.41			
30	256QAM	50	0	19.43	19.44	19.41			
30	256QAM	50	24	19.07	19.21	19.15	18.5	5	
30	256QAM	50	50	19.11	19.14	19.07			
30	256QAM	50	80	19.11	19.20	19.14			
30	256QAM	100	0	19.19	19.25	19.19			
Channel				2090	2150	2160			
Frequency (MHz)				2092.5	2096	2092.5	MFR (dB)		
15	QPSK	1	0	20.18	20.23	20.24	21.5	0	
15	QPSK	1	37	19.93	20.08	19.97			
15	QPSK	1	74	20.15	20.07	20.10			
15	QPSK	36	0	19.80	19.90	19.79	20.5	1	
15	QPSK	36	20	19.70	19.72	19.67			
15	QPSK	36	36	19.59	19.70	19.57			
15	QPSK	75	0	19.66	19.78	19.69			
15	16QAM	1	0	19.64	19.71	19.77	20.5	1	
15	16QAM	1	37	19.53	19.64	19.42			
15	16QAM	1	74	19.50	19.71	19.65			
15	16QAM	36	0	19.02	19.08	19.08	19.5	2	
15	16QAM	36	20	19.06	19.07	19.06			
15	16QAM	36	36	18.98	19.19	19.17			
15	16QAM	75	0	19.96	19.20	19.93			
15	64QAM	1	0	19.52	19.67	19.53	19.5	2	
15	64QAM	1	37	19.58	19.59	19.43			
15	64QAM	1	74	19.59	19.62	19.53			
15	64QAM	36	0	19.21	19.19	19.19	18.5	3	
15	64QAM	36	20	19.01	19.17	19.04			
15	64QAM	36	36	19.10	19.26	19.12			
15	64QAM	75	0	19.11	19.28	19.30			
15	256QAM	1	0	19.19	19.39	19.23	18.5	5	
15	256QAM	1	37	19.24	19.26	19.33			
15	256QAM	1	74	19.35	19.43	19.30			
15	256QAM	36	0	19.02	19.19	19.08	18.5	5	
15	256QAM	36	20	19.02	19.02	19.03			
15	256QAM	36	36	19.09	19.11	19.07			
15	256QAM	75	0	19.09	19.19	19.16			
Channel				2090	2150	2160			
Frequency (MHz)				2092.5	2096	2092.5	MFR (dB)		
10	QPSK	1	0	20.24	20.30	20.29	21.5	0	
10	QPSK	1	25	20.02	20.06	19.94			
10	QPSK	1	40	20.14	20.13	20.06			
10	QPSK	25	0	19.84	19.98	19.78	20.5	1	
10	QPSK	25	12	19.66	19.75	19.62			
10	QPSK	25	25	19.56	19.65	19.57			
10	QPSK	50	0	19.60	19.67	19.68			
10	16QAM	1	0	19.61	19.77	19.75	20.5	1	
10	16QAM	1	25	19.46	19.55	19.53			
10	16QAM	1	40	19.50	19.71	19.55			
10	16QAM	25	0	19.01	19.09	19.06	19.5	2	
10	16QAM	25	12	19.04	19.07	19.01			
10	16QAM	25	25	19.09	19.22	19.15			
10	16QAM	50	0	19.05	19.09	19.04			
10	64QAM	1	0	19.59	19.72	19.51	19.5	2	
10	64QAM	1	25	19.55	19.61	19.46			
10	64QAM	1	40	19.54	19.60	19.54			
10	64QAM	25	0	19.19	19.23	19.15	18.5	3	
10	64QAM	25	12	19.10	19.11	19.04			
10	64QAM	25	25	19.12	19.23	19.08			
10	64QAM	50	0	19.18	19.21	19.18			
10	256QAM	1	0	19.27	19.42	19.27	18.5	5	
10	256QAM	1	25	19.27	19.29	19.36			
10	256QAM	1	40	19.40	19.39	19.32			
10	256QAM	25	0	19.00	19.09	19.03	18.5	5	
10	256QAM	25	12	19.09	19.04	19.04			
10	256QAM	25	25	19.07	19.10	19.04			
10	256QAM	50	0	19.08	19.12	19.04			
Channel				2090	2150	2160			
Frequency (MHz)				2092.5	2096	2092.5	MFR (dB)		
5	QPSK	1	0	20.23	20.35	20.27	21.5	0	
5	QPSK	1	12	19.94	20.00	19.94			
5	QPSK	1	24	20.07	20.09	20.15			
5	QPSK	12	0	19.81	19.95	19.77	20.5	1	
5	QPSK	12	7	19.74	19.88	19.69			
5	QPSK	12	13	19.48	19.71	19.52			
5	QPSK	25	0	19.62	19.75	19.59			
5	16QAM	1	0	19.64	19.67	19.64	20.5	1	
5	16QAM	1	12	19.47	19.67	19.47			
5	16QAM	1	24	19.53	19.65	19.61			
5	16QAM	12	0	19.02	19.07	19.02	19.5	2	
5	16QAM	12	7	19.05	19.02	19.03			
5	16QAM	12	13	19.07	19.18	19.13			
5	16QAM	25	0	19.96	19.16	19.01			
5	64QAM	1	0	19.60	19.69	19.55	19.5	2	
5	64QAM	1	12	19.63	19.65	19.48			
5	64QAM	1	24	19.59	19.62	19.48			
5	64QAM	12	0	19.18	19.17	19.24	18.5	3	
5	64QAM	12	7	19.09	19.21	19.04			
5	64QAM	12	13	19.14	19.21	19.05			
5	64QAM	25	0	19.11	19.19	19.20			
5	256QAM	1	0	19.26	19.42	19.24	18.5	5	
5	256QAM	1	12	19.27	19.34	19.37			
5	256QAM	1	24	19.35	19.43	19.29			
5	256QAM	12	0	19.03	19.10	19.06	18.5	5	
5	256QAM	12	7	19.00	19.04	19.04			
5	256QAM	12	13	19.10	19.15	19.12			
5	256QAM	25	0	19.05	19.14	19.06			

Band 12_Ant 1									
RF [MHz]	Modulation	RB [MHz]	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MFR (dB)	
Channel				20900	20905	21100			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.97	23.03	22.93	23.8	0	
10	QPSK	1	25	22.96	23.06	22.92			
10	QPSK	1	40	23.01	23.06	23.00			
10	QPSK	25	0	22.81	22.90	22.75	23.8	0	
10	QPSK	25	12	22.49	22.60	22.49			
10	QPSK	25	25	22.67	22.65	22.60			
10	16QAM	1	0	22.84	22.96	22.87			
10	16QAM	1	25	22.79	22.92	22.78	23.8	0	
10	16QAM	25	0	22.64	22.75	22.59			
10	16QAM	25	0	22.08	22.13	21.98			
10	16QAM	25	12	21.99	22.13	22.03	22.8	1	
10	16QAM	25	25	22.04	22.15	22.04			
10	16QAM	50	0	21.95	22.01	22.00			
10	16QAM	50	0	21.71	21.74	21.64			
10	16QAM	50	12	21.68	21.73	21.65	22.8	1	
10	16QAM	50	25	21.68	21.81	21.68			
10	16QAM	25	0	20.96	21.09	20.99			
10	16QAM	25	12	20.96	21.05	20.96			
10	16QAM	25	25	21.02	21.11	21.02	21.8	2	
10	16QAM	50	0	21.01	21.07	20.98			
10	16QAM	50	12	21.01	21.07	21.00			
10	16QAM	50	25	21.03	21.12	21.03	18.8	5	
10	256QAM	1	40	17.85	18.06	17.93			
10	256QAM	1	40	17.85	18.06	17.93			
10	256QAM	25	12	17.84	18.06	17.83			
10	256QAM	25	25	17.89	18.11	18.07	17.8		
10	256QAM	50	0	17.87	17.98	17.89			
Channel				20905	20905	21105	Tune-up (dBm)	MFR (dB)	
Frequency (MHz)				705.5 <th>707.5</th> <th>713.5</th> <th></th> <th></th> <th></th>	707.5	713.5			
10	QPSK	1	0	22.97	23.03	22.93	23.8	0	
10	QPSK	1	25	22.97	23.03	22.90			
10	QPSK	1	24	22.86	23.03	22.86			
10	QPSK	25	0	22.74	22.85	22.73	23.8	0	
10	QPSK	25	12	22.49	22.54	22.38			
10	QPSK	25	12	22.49	22.54	22.38			
10	QPSK	12	13	22.51	22.66	22.58	23.8	0	
10	QPSK	25	0	22.72	22.83	22.75			
10	16QAM	1	0	22.72	22.83	22.65	23.8	0	
10	16QAM	1	25	22.72	22.83	22.65			
10	16QAM	25	0	22.01	22.05	21.98			
10	16QAM	25	12	21.88	22.12	21.89	22.8	1	
10	16QAM	25	25	21.88	22.12	21.89			
10	16QAM	50	0	21.86	21.98	21.94			
10	16QAM	50	0	21.70	21.84	21.52	22.8	1	
10	16QAM	50	12	21.70	21.84	21.52			
10	16QAM	50	25	21.71	21.79	21.60			
10	16QAM	12	0	20.89	20.99	20.87			
10	16QAM	12	0	20.89	20.99	20.87			
10	16QAM	12	13	20.87	21.01	20.86	21.8	2	
10	256QAM	1	40	16.93	17.21	16.92			
10	256QAM	1	40	16.93	17.21	16.92			
10	256QAM	25	0	16.93	17.21	16.92			
10	256QAM	25	12	16.93	17.21	16.92			
10	256QAM	25	12	16.93	17.21	16.92			
10	256QAM	25	25	16.93	17.21	16.92	18.8	5	
10	256QAM	50	0	16.93	17.21	16.92			
10	256QAM	50	12	16.93	17.21	16.92	18.8	5	
10	256QAM	50	25	16.93	17.21	16.92			
Channel				20905	20905	21105	Tune-up (dBm)	MFR (dB)	
Frequency (MHz)				706.5 <th>707.5</th> <th>714.5</th> <th></th> <th></th> <th></th>	707.5	714.5			
10	QPSK	1	0	22.97	23.03	22.93	23.8	0	
10	QPSK	1	25	22.95	23.04	22.89			
10	QPSK	1	14	22.87	23.02	22.86			
10	QPSK	25	0	22.74	22.85	22.74	23.8	0	
10	QPSK	25	12	22.48	22.53	22.35			
10	QPSK	25	12	22.48	22.53	22.35			
10	QPSK	8	7	22.44	22.62	22.50			
10	QPSK	8	7	22.44	22.62	22.50			
10	16QAM	1	0	22.72	22.81	22.78	23.8	0	
10	16QAM	1	25	22.72	22.81	22.78			
10	16QAM	1	8	22.67	22.89	22.77			
10	16QAM	1	8	22.67	22.89	22.77			
10	16QAM	25	0	22.02	22.10	21.98			
10	16QAM	25	4	21.94	22.04	21.95	22.8	1	
10	16QAM	25	4	21.94	22.04	21.95			
10	16QAM	50	0	21.94	21.93	21.93			
10	16QAM	1	0	21.83	21.86	21.81	22.8	1	
10	16QAM	1	25	21.83	21.86	21.81			
10	16QAM	1	14	21.73	21.79	21.63			
10	16QAM	1	14	21.73	21.79	21.63			
10	16QAM	8	0	20.95	20.97	20.89			
10	16QAM	8	0	20.95	20.97	20.89			
10	16QAM	8	7	21.01	21.02	20.93	21.8	2	
10	16QAM	8	7	21.01	21.02	20.93			
10	256QAM	15	0	20.88	20.96	20.81			
10	256QAM	15	0	20.88	20.96	20.81			
10	256QAM	1	8	18.01	18.27	18.07	18.8	5	
10	256QAM	1	14	17.81	17.94	17.88			
10	256QAM	1	14	17.81	17.94	17.88			
10	256QAM	8	4	17.83	18.00	17.96	18.8	5	
10	256QAM	8	4	17.83	18.00	17.96			
10	256QAM	8	7	17.91	18.05	17.97			
10	256QAM	8	7	17.91	18.05	17.97			
Channel				20917	20905	21113	Tune-up (dBm)	MFR (dB)	
Frequency (MHz)				800.7	707.5	716.3			
14	QPSK	1	0	22.97	23.03	22.93	23.8	0	
14	QPSK	1	3	22.91	23.01	22.79			
14	QPSK	1	8	22.90	23.01	22.90			
14	QPSK	3	0	22.76	22.75	22.70	23.8	0	
14	QPSK	3	3	22.76	22.75	22.70			
14	QPSK	3	8	22.44	22.57	22.40			
14	QPSK	3	8	22.44	22.57	22.53			
14	16QAM	1	0	22.73	22.84	22.72	23.8	0	
14	16QAM	1	3	22.66	22.80	22.70			
14	16QAM	1	8	22.66	22.80	22.70			
14	16QAM	3	0	22.58	22.76	22.58	23.8	0	
14	16QAM	3	3	22.55	22.68	22.67			
14	16QAM	3	8	22.55	22.68	22.58			
14	16QAM	8	0	21.95	21.99	21.95	22.8	1	
14	16QAM	8	0	21.81	21.72	21.57			
14	16QAM	8	3	21.77	21.77	21.61			
14	16QAM	8	8	21.65	21.73	21.57	22.8	1	
14	16QAM	8	8	21.46	21.63	21.42			
14	16QAM	8	8	21.46	21.63	21.42			
14	16QAM	3	3	21.53	21.67	21.44			
14	16QAM	3	8	20.93	20.96	20.83	21.8	2	
14	256QAM	1	0	17.82	18.02	17.82			
14	256QAM	1	0	17.82	18.02	17.82			
14	256QAM	3	0	17.85	18.07	17.80	18.8	5	
14	256QAM	3	0	17.85	18.07	17.80			

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Turnup loss (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				29605	29605	29130			
754				759.5	761.1				
10	QPSK	1	0	22.77	22.81	22.88			
10	QPSK	1	25	22.72	22.76	22.86	23.4	0	
10	QPSK	1	49	22.62	22.74	22.82			
10	QPSK	25	0	22.52	22.52	22.52			
10	QPSK	25	12	22.54	22.59	22.67	23.4	0	
10	QPSK	25	25	22.52	22.52	22.51			
10	QPSK	50	0	22.21	22.26	22.37			
10	HQAM	1	0	22.54	22.69	22.84	23.4	0	
10	HQAM	1	25	22.57	22.69	22.82			
10	HQAM	1	49	22.59	22.69	22.87			
10	HQAM	25	0	21.52	21.65	21.80			
10	HQAM	25	12	21.59	21.69	21.83	22.4	1	
10	HQAM	25	25	21.52	21.62	21.51			
10	HQAM	50	0	21.21	21.26	21.28			
10	HQAM	1	25	21.25	21.36	21.30	22.4	1	
10	HQAM	1	49	21.36	21.42	21.35			
10	HQAM	25	0	20.54	20.62	20.51			
10	HQAM	25	12	20.55	20.64	20.58	21.4	2	
10	HQAM	25	25	20.63	20.72	20.68			
10	HQAM	50	0	20.61	20.71	20.63			
10	SSBQAM	1	0	17.71	17.76	17.83			
10	SSBQAM	1	25	17.64	17.70	17.87	18.4	5	
10	SSBQAM	1	49	17.61	17.75	17.89			
10	SSBQAM	25	0	17.59	17.74	17.84			
10	SSBQAM	25	12	17.66	17.81	17.83	18.4	5	
10	SSBQAM	25	25	17.59	17.70	17.83			
10	SSBQAM	50	0	17.61	17.65	17.83			
Channel									
Frequency (MHz)				29605	29605	29130	Turnup loss (dBm)	MPR (dB)	
761.5				761.5	773.5				
5	QPSK	1	0	22.67	22.76	22.84			
5	QPSK	1	12	22.60	22.70	22.83	23.4	0	
5	QPSK	1	24	22.57	22.72	22.82			
5	QPSK	12	0	22.17	22.20	22.27			
5	QPSK	12	7	21.93	22.10	22.26	23.4	0	
5	QPSK	12	13	22.07	22.17	22.24			
5	QPSK	25	0	22.14	22.27	22.35			
5	HQAM	1	0	22.46	22.55	22.60	23.4	0	
5	HQAM	1	12	22.47	22.57	22.62			
5	HQAM	1	24	22.49	22.46	22.52			
5	HQAM	12	0	21.45	21.57	21.54			
5	HQAM	12	7	21.53	21.61	21.58	22.4	1	
5	HQAM	12	13	21.45	21.61	21.58			
5	HQAM	25	0	21.36	21.55	21.60			
5	HQAM	1	24	21.34	21.56	21.58			
5	HQAM	1	12	21.19	21.23	21.23	22.4	1	
5	HQAM	12	7	20.95	20.97	20.95			
5	HQAM	12	13	20.95	20.97	20.95	21.4	2	
5	HQAM	25	0	20.65	20.86	20.95			
5	HQAM	25	0	20.65	20.86	20.95			
5	SSBQAM	1	0	17.69	17.61	17.55	18.4	5	
5	SSBQAM	1	12	17.66	17.65	17.66			
5	SSBQAM	1	24	17.64	17.66	17.64			
5	SSBQAM	12	0	17.53	17.69	17.56			
5	SSBQAM	12	7	17.62	17.69	17.62	18.4	5	
5	SSBQAM	12	13	17.47	17.59	17.51			
5	SSBQAM	25	0	17.48	17.64	17.52			
Channel									
Frequency (MHz)				29605	29605	29130	Turnup loss (dBm)	MPR (dB)	
769.5				769.5	773.5				
3	QPSK	1	0	22.74	22.72	22.65			
3	QPSK	1	3	22.65	22.65	22.64	23.4	0	
3	QPSK	1	14	22.57	22.72	22.72			
3	QPSK	12	0	22.17	22.20	22.27			
3	QPSK	8	0	21.96	22.18	22.15			
3	QPSK	8	7	22.09	22.19	22.07			
3	QPSK	12	7	22.09	22.19	22.07	23.4	0	
3	HQAM	1	0	22.48	22.59	22.55			
3	HQAM	1	8	22.53	22.64	22.61	23.4	0	
3	HQAM	1	16	22.53	22.64	22.61			
3	HQAM	8	0	21.42	21.62	21.55			
3	HQAM	8	4	21.46	21.57	21.59	22.4	1	
3	HQAM	8	12	21.46	21.57	21.59			
3	HQAM	16	0	21.43	21.47	21.47			
3	HQAM	1	0	21.19	21.23	21.23	22.4	1	
3	HQAM	1	3	21.19	21.23	21.23			
3	HQAM	1	14	21.34	21.37	21.32			
3	HQAM	8	0	20.39	20.57	20.45	21.4	2	
3	HQAM	8	7	20.54	20.60	20.43			
3	HQAM	15	0	20.54	20.61	20.55			
3	SSBQAM	1	0	17.54	17.64	17.52	18.4	5	
3	SSBQAM	1	8	17.56	17.64	17.62			
3	SSBQAM	1	16	17.56	17.64	17.62			
3	SSBQAM	8	4	17.42	17.66	17.53	18.4	5	
3	SSBQAM	8	7	17.54	17.67	17.60			
3	SSBQAM	15	0	17.57	17.67	17.56			
Channel									
Frequency (MHz)				29617	29605	29173	Turnup loss (dBm)	MPR (dB)	
699.5				702.5	715.5				
1.4	QPSK	1	0	22.74	22.72	22.65			
1.4	QPSK	1	3	22.65	22.65	22.64	23.4	0	
1.4	QPSK	1	5	22.52	22.63	22.62			
1.4	QPSK	3	0	22.15	22.26	22.25			
1.4	QPSK	3	1	21.89	22.06	22.04			
1.4	QPSK	3	3	22.04	22.20	22.10			
1.4	HQAM	1	0	22.53	22.56	22.52	23.4	0	
1.4	HQAM	3	0	22.57	22.66	22.43			
1.4	HQAM	1	5	22.41	22.46	22.55	23.4	0	
1.4	HQAM	1	0	22.45	22.47	22.41			
1.4	HQAM	1	2	22.62	22.61	22.37			
1.4	HQAM	3	3	22.30	22.45	22.50			
1.4	HQAM	6	0	21.45	21.47	21.44	22.4	1	
1.4	HQAM	6	0	21.30	21.31	21.18			
1.4	HQAM	1	3	21.24	21.32	21.16			
1.4	HQAM	1	5	21.35	21.28	21.22	22.4	1	
1.4	HQAM	3	0	21.15	21.02	21.16			
1.4	HQAM	3	1	21.12	21.29	21.10			
1.4	HQAM	6	3	21.22	21.26	21.14	21.4	2	
1.4	HQAM	6	0	20.53	20.68	20.59			
1.4	SSBQAM	1	0	17.57	17.72	17.49			
1.4	SSBQAM	1	5	17.53	17.67	17.62			
1.4	SSBQAM	1	5	17.50	17.63	17.56	18.4	5	
1.4	SSBQAM	3	0	17.53	17.70	17.58			
1.4	SSBQAM	3	1	17.43	17.57	17.49			
1.4	SSBQAM	3	3	17.44	17.62	17.59			
1.4	SSBQAM	6	5	17.51	17.68	17.58	18.4	5	

Band 13_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
723.9									
10	QPSK	1	0		22.60				
10	QPSK	1	25		22.64		23.8	0	
10	QPSK	1	49		22.62				
10	QPSK	25	0		22.63				
10	QPSK	25	12		22.73		23.8	0	
10	QPSK	25	25		22.72				
10	QPSK	50	0		22.65				
10	HQAM	1	0		22.68		23.8	0	
10	HQAM	1	25		22.65				
10	HQAM	1	49		22.67				
10	HQAM	25	0		22.16				
10	HQAM	25	12		22.11				
10	HQAM	25	25		22.16		22.8	1	
10	HQAM	50	0		22.59				
10	HQAM	1	25		21.74				
10	HQAM	1	25		21.69		22.8	1	
10	HQAM	1	49		21.70				
10	HQAM	25	0		21.05				
10	HQAM	25	12		21.94		21.8	2	
10	HQAM	25	25		21.12				
10	HQAM	50	0		21.08				
10	SSBQAM	1	0		18.10		18.8	5	
10	SSBQAM	1	25		18.12				
10	SSBQAM	1	49		18.09				
10	SSBQAM	25	0		18.09		18.8	5	
10	SSBQAM	25	12		18.14				
10	SSBQAM	25	25		18.13				
10	SSBQAM	50	0		18.19				
Channel									
Frequency (MHz)									
223.95									
5	QPSK	1	0	22.84	22.82	22.93			
5	QPSK	1	12	22.70	22.71	22.84	23.8	0	
5	QPSK	1	24	22.74	22.82	22.85			
5	QPSK	12	0	22.70	22.73	22.70			
5	QPSK	12	7	22.60	22.69	22.49	23.8	0	
5	QPSK	12	13	22.63	22.58	22.64			
5	QPSK	25	0	22.71	22.69	22.68			
5	HQAM	1	0	22.63	22.79	22.82	23.8	0	
5	HQAM	1	12	22.84	22.81	22.81			
5	HQAM	1	24	22.83	22.79	22.78			
5	HQAM	12	0	22.53	22.65	22.62			
5	HQAM	12	7	21.98	21.93	21.88	22.8	1	
5	HQAM	12	13	21.96	22.08	21.96			
5	HQAM	25	0	22.53	22.52	22.57			
5	HQAM	1	24	21.66	21.61	21.61			
5	HQAM	1	12	21.52	21.55	21.53	22.8	1	
5	HQAM	12	7	20.98	20.99	20.95	21.8	2	
5	HQAM	12	13	20.96	21.01	20.96			
5	HQAM	25	0	20.92	20.92	20.83			
5	SSBQAM	1	0	18.05	17.99	17.97	18.8	5	
5	SSBQAM	1	12	17.96	17.87	17.97			
5	SSBQAM	1	24	17.96	17.86	17.87			
5	SSBQAM	12	0	17.87	17.83	17.86			
5	SSBQAM	12	7	17.94	17.96	17.94	18.8	5	
5	SSBQAM	12	13	17.87	18.04	17.86			
5	SSBQAM	25	0	17.99	18.07	18.12			

Band 13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Turnup (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.73	22.73	22.73	23.4	0	0
10	QPSK	1	25	22.73	22.73	22.73			
10	QPSK	1	40	22.73	22.73	22.73			
10	QPSK	25	0	22.73	22.73	22.73			
10	QPSK	25	25	22.73	22.73	22.73	23.4	0	0
10	QPSK	25	40	22.73	22.73	22.73			
10	QPSK	25	55	22.73	22.73	22.73			
10	QPSK	25	70	22.73	22.73	22.73			
10	HQAM	1	0	22.58	22.58	22.58	23.4	0	0
10	HQAM	1	25	22.58	22.58	22.58			
10	HQAM	1	40	22.58	22.58	22.58			
10	HQAM	25	0	21.72	21.72	21.72			
10	HQAM	25	12	21.72	21.72	21.72	22.4	1	0
10	HQAM	25	25	21.72	21.72	21.72			
10	HQAM	50	0	21.72	21.72	21.72			
10	HQAM	50	25	21.72	21.72	21.72			
10	HQAM	1	0	21.30	21.30	21.30	22.4	1	0
10	HQAM	1	25	21.30	21.30	21.30			
10	HQAM	1	40	21.44	21.44	21.44			
10	HQAM	25	0	20.69	20.69	20.69			
10	HQAM	25	12	20.69	20.69	20.69	21.4	2	0
10	HQAM	25	25	20.74	20.74	20.74			
10	HQAM	50	0	20.69	20.69	20.69			
10	HQAM	50	25	20.69	20.69	20.69			
10	SSBQAM	1	25	17.75	17.75	17.75	18.4	5	0
10	SSBQAM	1	40	17.75	17.75	17.75			
10	SSBQAM	25	0	17.75	17.75	17.75			
10	SSBQAM	25	40	17.75	17.75	17.75			
10	SSBQAM	25	12	17.75	17.75	17.75	18.4	5	0
10	SSBQAM	25	25	17.75	17.75	17.75			
10	SSBQAM	50	0	17.75	17.75	17.75			
10	SSBQAM	50	25	17.75	17.75	17.75			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.93	22.93	22.93	23.4	0	0
5	QPSK	1	12	22.92	22.93	22.92			
5	QPSK	1	24	22.97	22.98	22.94			
5	QPSK	12	0	22.98	22.98	22.97			
5	QPSK	12	7	22.10	22.08	22.07	23.4	0	0
5	QPSK	12	13	22.13	22.04	22.16			
5	QPSK	12	19	22.10	22.10	22.19			
5	HQAM	1	0	22.29	22.30	22.27			
5	HQAM	1	12	22.30	22.27	22.37	23.4	0	0
5	HQAM	1	24	22.33	22.31	22.34			
5	HQAM	12	0	21.65	21.62	21.67			
5	HQAM	12	7	21.68	21.73	21.65			
5	HQAM	12	13	21.56	21.60	21.63	22.4	1	0
5	HQAM	25	0	21.56	21.60	21.61			
5	HQAM	1	0	21.19	21.06	21.21			
5	HQAM	1	12	21.12	21.13	21.14			
5	HQAM	1	24	21.21	21.20	21.23	22.4	1	0
5	HQAM	12	0	20.97	20.70	20.97			
5	HQAM	12	7	20.92	20.81	20.95			
5	HQAM	25	0	20.95	20.66	20.97			
5	SSBQAM	1	0	17.57	17.48	17.51	18.4	5	0
5	SSBQAM	1	12	17.48	17.40	17.50			
5	SSBQAM	12	0	17.51	17.51	17.51			
5	SSBQAM	12	0	17.54	17.59	17.57			
5	SSBQAM	12	7	17.44	17.40	17.42	18.4	5	0
5	SSBQAM	12	13	17.58	17.52	17.54			
5	SSBQAM	25	0	17.49	17.52	17.50			
5	SSBQAM	25	0	17.49	17.52	17.50			



Band 17_Ant 0										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Lk Ch / Freq	Power Made Ch / Freq	Power/ High Ch / Freq	Time-use (int/dec)	MFR (dB)		
Channel										
Frequency (MHz)										
23765 23765 23765 23810										
15	QPSK	1	0	22.71	22.77	22.74				
15	QPSK	1	25	22.61	22.74	22.68	23.4	0		
15	QPSK	1	49	22.51	22.84	22.68				
15	QPSK	25	0	22.71	22.85	22.78				
15	QPSK	25	12	22.63	22.71	22.67	23.4	0		
15	QPSK	25	25	22.63	22.77	22.67				
15	QPSK	50	0	22.11	22.21	22.13				
15	SSBQAM	1	0	22.35	22.49	22.42	23.4	0		
15	SSBQAM	1	25	22.35	22.42	22.37				
15	SSBQAM	1	49	22.35	22.46	22.44				
15	SSBQAM	25	0	21.65	21.72	21.59				
15	SSBQAM	25	12	21.57	21.70	21.67	22.4	1		
15	SSBQAM	25	25	21.61	21.64	21.60				
15	SSBQAM	50	0	21.56	21.71	21.64				
15	SSBQAM	1	0	21.29	21.42	21.36				
15	SSBQAM	1	25	21.31	21.34	21.30	22.4	1		
15	SSBQAM	1	49	21.31	21.36	21.25				
15	SSBQAM	25	0	20.85	20.73	20.65	21.4	2		
15	SSBQAM	25	12	20.55	20.89	20.50				
15	SSBQAM	25	25	20.54	20.85	20.62				
15	SSBQAM	50	0	17.74	17.81	17.67				
15	SSBQAM	1	25	17.84	17.87	17.86	18.4	5		
15	SSBQAM	1	49	17.82	17.87	17.86				
15	SSBQAM	25	0	17.70	17.78	17.65				
15	SSBQAM	25	12	17.72	17.88	17.72	18.4	5		
15	SSBQAM	25	25	17.58	17.68	17.57				
15	SSBQAM	50	0	17.75	17.80	17.74				
Channel										
Frequency (MHz)										
7265 7365 7395 743 8										
5	QPSK	1	0	22.60	22.62	22.65				
5	QPSK	1	12	22.59	22.62	22.61	23.4	0		
5	QPSK	1	24	22.57	22.57	22.61				
5	QPSK	12	0	22.19	22.20	22.17				
5	QPSK	12	7	21.88	21.99	21.93	23.4	0		
5	QPSK	12	13	22.02	22.02	22.02				
5	QPSK	25	0	22.03	22.17	22.11				
5	QPSK	1	0	22.32	22.36	22.34	23.4	0		
5	QPSK	1	12	22.32	22.38	22.34				
5	QPSK	1	24	22.32	22.38	22.33				
5	QPSK	12	0	21.61	21.63	21.47				
5	QPSK	12	7	21.53	21.58	21.42	22.4	1		
5	QPSK	12	13	21.51	21.50	21.56				
5	QPSK	25	0	21.52	21.60	21.53				
5	SSBQAM	1	0	21.16	21.24	21.15				
5	SSBQAM	1	12	21.27	21.39	21.18	22.4	1		
5	SSBQAM	1	24	21.24	21.29	21.24				
5	SSBQAM	12	0	20.57	20.71	20.62				
5	SSBQAM	12	7	20.47	20.49	20.37	21.4	2		
5	SSBQAM	12	13	20.46	20.50	20.42				
5	SSBQAM	25	0	20.51	20.52	20.52				
5	SSBQAM	1	0	17.64	17.72	17.52				
5	SSBQAM	1	12	17.56	17.63	17.52	18.4	5		
5	SSBQAM	1	24	17.57	17.65	17.45				
5	SSBQAM	12	0	17.57	17.65	17.54				
5	SSBQAM	12	7	17.60	17.72	17.65	18.4	5		
5	SSBQAM	12	13	17.48	17.61	17.55				
5	SSBQAM	25	0	17.67	17.77	17.72				

Band 18_Ant 1										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Lk Ch / Freq	Power Made Ch / Freq	Power/ High Ch / Freq	Time-use (int/dec)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.79	24.79		25	0		
15	QPSK	1	37	24.78	24.78					
15	QPSK	1	74	24.78	24.78					
15	QPSK	36	0	24.57	24.57					
15	QPSK	36	20	24.50	24.50		25	0		
15	QPSK	36	39	24.57	24.57					
15	QPSK	75	0	24.41	24.41					
15	QPSK	1	0	24.48	24.48		25	0		
15	QPSK	1	37	24.55	24.55					
15	QPSK	1	74	24.46	24.46					
15	QPSK	36	0	23.71	23.71					
15	QPSK	36	20	23.81	23.81		24	1		
15	QPSK	36	39	23.84	23.84					
15	QPSK	75	0	23.83	23.83					
15	QPSK	1	0	23.26	23.26					
15	QPSK	1	37	23.42	23.42		24	1		
15	QPSK	1	74	23.42	23.42					
15	QPSK	36	0	22.74	22.74					
15	QPSK	36	20	22.81	22.81		23	2		
15	QPSK	36	39	22.86	22.86					
15	QPSK	75	0	22.73	22.73					
15	SSBQAM	1	0	19.91	19.91					
15	SSBQAM	1	37	19.83	19.83		20	5		
15	SSBQAM	1	74	19.83	19.83					
15	SSBQAM	36	0	19.66	19.66					
15	SSBQAM	36	20	19.74	19.74		20	5		
15	SSBQAM	36	39	19.85	19.85					
15	SSBQAM	75	0	19.73	19.73					
Channel										
Frequency (MHz)										
7295 7365 7395 7465										
15	QPSK	1	0	24.64	24.69	24.64				
15	QPSK	1	25	24.55	24.64	24.66	25	0		
15	QPSK	1	49	24.57	24.57	24.64				
15	QPSK	25	0	24.29	24.29	24.33				
15	QPSK	25	12	24.27	24.33	24.34	25	0		
15	QPSK	25	25	24.27	24.33	24.33				
15	QPSK	50	0	24.23	24.30	24.27				
15	QPSK	1	0	24.40	24.33	24.38	25	0		
15	QPSK	1	24	24.47	24.47	24.40				
15	QPSK	1	49	24.19	24.30	24.30				
15	QPSK	25	0	23.56	23.66	23.56				
15	QPSK	25	12	23.62	23.67	23.63	24	1		
15	QPSK	25	25	23.60	23.75	23.68				
15	QPSK	50	0	23.72	23.63	23.68				
15	QPSK	1	0	23.16	23.18	23.23				
15	QPSK	1	25	23.37	23.34	23.27	24	1		
15	QPSK	1	49	23.27	23.26	23.26				
15	QPSK	25	0	22.49	22.57	22.58				
15	QPSK	25	12	22.50	22.50	22.52	23	2		
15	QPSK	25	25	22.56	22.67	22.72				
15	SSBQAM	1	0	19.77	19.85	19.67				
15	SSBQAM	1	25	19.77	19.71	19.69	20	5		
15	SSBQAM	1	49	19.85	19.81	19.86				
15	SSBQAM	25	0	19.43	19.41	19.45	20	5		
15	SSBQAM	25	12	19.45	19.45	19.38				
15	SSBQAM	25	25	19.50	19.47	19.38				
15	SSBQAM	50	0	19.58	19.53	19.51				
Channel										
Frequency (MHz)										
7295 7365 7395 7465										
5	QPSK	1	0	24.60	24.61	24.65				
5	QPSK	1	12	24.61	24.57	24.66	25	0		
5	QPSK	1	24	24.63	24.57	24.64				
5	QPSK	12	0	24.37	24.30	24.39				
5	QPSK	12	7	24.32	24.28	24.28	25	0		
5	QPSK	12	13	24.30	24.31	24.30				
5	QPSK	25	0	24.33	24.24	24.29				
5	QPSK	1	0	24.46	24.37	24.37	25	0		
5	QPSK	1	12	24.45	24.40	24.39				
5	QPSK	1	24	24.25	24.22	24.21				
5	QPSK	12	0	23.54	23.54	23.63				
5	QPSK	12	7	23.45	23.71	23.57	24	1		
5	QPSK	12	13	23.70	23.75	23.71				
5	QPSK	25	0	23.73	23.72	23.72				
5	QPSK	25	12	23.59	23.53	23.59				
5	QPSK	25	25	23.37	23.29	23.29	24	1		
5	QPSK	50	0	23.36	23.29	23.26				
5	QPSK	1	0	22.52	22.51	22.49				
5	QPSK	12	0	22.52	22.51	22.51				
5	QPSK	12	13	22.60	22.61	22.71	23	2		
5	QPSK	25	0	22.67	22.69	22.66				
5	QPSK	25	12	22.68	22.68	22.72				
5	SSBQAM	1	0	19.65	19.59	19.67				
5	SSBQAM	1	24	19.78	19.79	19.72				
5	SSBQAM	12	0	19.43	19.43	19.43	20	5		
5	SSBQAM	12	7	19.48	19.50	19.58				
5	SSBQAM	12	13	19.41	19.45	19.39	20	5		
5	SSBQAM	25	0	19.45	19.45	19.38				
5	SSBQAM	25	12	19.48	19.48	19.41				
5	SSBQAM	25	25	19.53	19.50	19.43				
Channel										
Frequency (MHz)										
7295 7365 7395 7465										
3	QPSK	1	0	24.60	24.61	24.65				
3	QPSK	1	14	24.61	24.57	24.64	25	0		
3	QPSK	1	28	24.63	24.57	24.64				
3	QPSK	14	0	24.37	24.30	24.39				
3	QPSK	14	7	24.32	24.28	24.28	25	0		
3	QPSK	14	21	24.30	24.31	24.30				
3	QPSK	28	0	24.33	24.24	24.29				
3	QPSK	1	0	24.46	24.37	24.37	25	0		
3	QPSK	1	14	24.45	24.40	24.39				
3	QPSK	1	28	24.25	24.22	24.21				
3	QPSK	14	0	23.64	23.62	23.63				
3	QPSK	14	7	23.67	23.67	23.68	24	1		
3	QPSK	14	21	23.70	23.75	23.71				
3	QPSK	28	0	23.74	23.64	23.71				
3	QPSK	1	0	23.24	23.21	23.18				
3	QPSK	1	14	23.33	23.28	23.28	24	1		
3	QPSK	1	28	23.36	23.31	23.32				
3	QPSK	14	0	22.60	22.51	22.52				
3	QPSK	14	7	22.61	22.61	22.71	23	2		
3	QPSK	14	21	22.73	22.73	22.83				
3	QPSK	28	0	22.60	22.62	22.63				
3	QPSK	28	7	22.62	22.62	22.68				
3	SSBQAM	1	0	19.66	19.62	19.67				
3	SSBQAM	1	14	19.76	19.74	19.65				
3	SSBQAM	14	0	19.43	19.42	19.43	20	5		
3	SSBQAM	14	7	19.48	19.54	19.58				
3	SSBQAM	14	21	19.49	19.44	19.47	20	5		
3	SSBQAM	28	0	19.55	19.58	19.51				
Channel										
Frequency (MHz)										
7295 7365 7395 7465										
1.4	QPSK	1	0	24.64	24.69	24.69				
1.4	QPSK	1	24	24.61	24.63	24.69	25	0		
1.4	QPSK	1	48	24.61	24.61	24.69				
1.4	QPSK	1	72	24.61	24.61	24.69				
1.4	QPSK	3	0	24.31	24.40	24.40				
1.4	QPSK	3	12	24.27	24.28	24.28	25	0		
1.4	QPSK	3	24	24.35	24.30	24.34				
1.4	QPSK	3	36	24.31	24.31	24.31				
1.4	QPSK	3	48	24.32	24.37	24.34				
1.4	QPSK	3	60	24.42	24.44	24.38				
1.4	QPSK	3	72	24.39	24.39	24.39				
1.4	QPSK	3	84	24.25	24.28	24.28	25	0		
1.4	QPSK	3	96	24.38	24.38	24.28				
1.4	QPSK	3	108	24.35	24.35	24.35				
1.4	QPSK	3	120	23.70	23.63	23.75	24	1		
1.4	QPSK	3	132	23.28	23.30	23.25				
1.4	QPSK	3	144	23.24	23.19	23.14	24	1		
1.4	QPSK	3	156	23.29	23.29	23.29				
1.4	QPSK	3	168	23.18	23.19	23.29				
1.4	QPSK	3	180	22.63	22.59	22.65	23	2		
1.4	QPSK	3	192	22.63	22.63	22.63				
1.4	QPSK	3	204	19.71	19.59	19.61				
1.4	QPSK	3	216	19.77	19.65	19.76	20	5		
1.4	QPSK	3	228	19.63	19.65	19.61				
1.4	QPSK	3	240	19.59	19.53	19.58				
1.4	QPSK	3	252	19.42	19.51	19.48				
1.4	QPSK	3	264	19.52	19.52	19.48	20	5		

Band 19_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)	MFR (dB)	Ch. Delta ±0.5
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.35	24.35	24.35	24.6	0	0.08
15	QPSK	1	37	24.25	24.25	24.25			
15	QPSK	1	74	24.17	24.17	24.17			
15	QPSK	36	0	23.87	23.87	23.87			
15	QPSK	36	20	23.87	23.87	23.87	24.6	0	0.09
15	QPSK	36	39	23.87	23.87	23.87			
15	QPSK	75	0	23.57	23.57	23.57			
15	QPSK	1	0	24.07	24.07	24.07	24.6	0	0.08
15	QPSK	1	37	24.07	24.07	24.07			
15	QPSK	1	74	24.01	24.01	24.01			
15	QPSK	36	0	23.59	23.59	23.59			
15	QPSK	36	20	23.59	23.59	23.59	23.6	1	0.09
15	QPSK	36	39	23.59	23.59	23.59			
15	QPSK	75	0	23.26	23.26	23.26			
15	QPSK	1	0	23.97	23.97	23.97	23.6	1	0.11
15	QPSK	1	37	23.97	23.97	23.97			
15	QPSK	1	74	23.90	23.90	23.90			
15	QPSK	36	0	22.90	22.90	22.90			
15	QPSK	36	20	22.90	22.90	22.90	22.6	2	0.14
15	QPSK	36	39	22.90	22.90	22.90			
15	QPSK	75	0	22.36	22.36	22.36			
15	QPSK	1	0	19.41	19.41	19.41	19.6	5	0.06
15	QPSK	1	37	19.41	19.41	19.41			
15	QPSK	1	74	19.44	19.44	19.44			
15	QPSK	36	0	19.40	19.40	19.40			
15	QPSK	36	20	19.40	19.40	19.40	19.6	5	0.05
15	QPSK	36	39	19.40	19.40	19.40			
15	QPSK	75	0	19.42	19.42	19.42			
15	QPSK	75	0	19.41	19.41	19.41			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.28	24.28	24.28	24.6	0	0.22
10	QPSK	1	25	24.24	24.24	24.24			
10	QPSK	1	44	24.27	24.27	24.27			
10	QPSK	25	0	23.88	23.88	23.88	24.6	0	0.17
10	QPSK	25	12	23.84	23.84	23.84			
10	QPSK	25	25	23.81	23.81	23.81			
10	QPSK	50	0	23.50	23.50	23.50	24.6	0	0.17
10	QPSK	1	0	23.52	23.52	23.52			
10	QPSK	1	25	23.52	23.52	23.52	23.6	1	0.14
10	QPSK	1	44	23.52	23.52	23.52			
10	QPSK	25	0	23.34	23.34	23.34			
10	QPSK	25	12	23.36	23.36	23.36	23.6	1	0.20
10	QPSK	25	25	23.33	23.33	23.33			
10	QPSK	50	0	23.34	23.34	23.34			
10	QPSK	1	0	22.92	22.92	22.92	22.6	2	0.18
10	QPSK	1	25	22.92	22.92	22.92			
10	QPSK	1	44	22.92	22.92	22.92			
10	QPSK	25	0	19.35	19.35	19.35	19.6	5	0.07
10	QPSK	1	0	19.35	19.35	19.35			
10	QPSK	1	25	19.35	19.35	19.35	19.6	5	0.15
10	QPSK	1	44	19.35	19.35	19.35			
10	QPSK	25	0	19.35	19.35	19.35			
10	QPSK	25	12	19.35	19.35	19.35			
10	QPSK	25	25	19.35	19.35	19.35			
10	QPSK	50	0	19.40	19.40	19.40			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.20	24.20	24.20	24.6	0	0.17
5	QPSK	1	12	24.11	24.11	24.11			
5	QPSK	1	24	24.15	24.15	24.15			
5	QPSK	12	0	23.88	23.88	23.88	24.6	0	0.18
5	QPSK	12	7	23.88	23.88	23.88			
5	QPSK	12	13	23.86	23.86	23.86			
5	QPSK	25	0	23.50	23.50	23.50	24.6	0	0.18
5	QPSK	1	0	24.00	24.00	24.00			
5	QPSK	1	12	24.00	24.00	24.00	23.6	1	0.21
5	QPSK	1	24	24.00	24.00	24.00			
5	QPSK	12	0	23.27	23.27	23.27			
5	QPSK	12	7	23.27	23.27	23.27	23.6	1	0.22
5	QPSK	12	13	23.26	23.26	23.26			
5	QPSK	25	0	22.96	22.96	22.96	22.6	2	0.26
5	QPSK	25	7	22.96	22.96	22.96			
5	QPSK	25	13	22.96	22.96	22.96			
5	QPSK	50	0	19.28	19.28	19.28	19.6	5	0.16
5	QPSK	1	0	19.28	19.28	19.28			
5	QPSK	1	12	19.28	19.28	19.28	19.6	5	0.16
5	QPSK	1	24	19.28	19.28	19.28			
5	QPSK	12	0	19.28	19.28	19.28			
5	QPSK	12	7	19.28	19.28	19.28			
5	QPSK	12	13	19.28	19.28	19.28			
5	QPSK	25	0	19.29	19.29	19.29			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.26	24.26	24.26	24.6	0	0.16
3	QPSK	1	8	24.12	24.12	24.12			
3	QPSK	1	16	24.15	24.15	24.15			
3	QPSK	8	0	23.85	23.85	23.85	24.6	0	0.13
3	QPSK	8	4	23.87	23.84	23.88			
3	QPSK	8	12	23.86	23.85	23.87			
3	QPSK	15	0	23.53	23.53	23.53	24.6	0	0.19
3	QPSK	1	0	23.59	23.59	23.59			
3	QPSK	1	8	23.60	23.60	23.60	23.6	1	0.22
3	QPSK	1	16	23.59	23.59	23.59			
3	QPSK	8	0	23.30	23.30	23.30			
3	QPSK	8	4	23.30	23.30	23.30	23.6	1	0.22
3	QPSK	8	12	23.30	23.30	23.30			
3	QPSK	15	0	23.21	23.21	23.21	23.6	1	0.19
3	QPSK	1	0	22.88	22.88	22.88			
3	QPSK	1	8	22.85	22.87	22.89	22.6	2	0.25
3	QPSK	1	16	22.89	22.85	22.85			
3	QPSK	8	0	22.47	22.44	22.44	22.6	2	0.25
3	QPSK	8	4	22.35	22.42	22.34			
3	QPSK	8	12	22.39	22.43	22.45			
3	QPSK	15	0	22.22	22.31	22.30	19.6	5	0.15
3	QPSK	1	0	19.38	19.38	19.38			
3	QPSK	1	8	19.43	19.33	19.33	19.6	5	0.11
3	QPSK	1	16	19.37	19.38	19.38			
3	QPSK	8	0	19.37	19.38	19.38			
3	QPSK	8	4	19.37	19.38	19.38			
3	QPSK	8	12	19.37	19.38	19.38			
3	QPSK	15	0	19.31	19.34	19.35			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.11	24.11	24.11	24.6	0	0.46
1.4	QPSK	1	3	24.06	24.13	24.00			
1.4	QPSK	1	6	24.17	24.07	24.18			
1.4	QPSK	3	0	23.89	23.86	23.84	24.6	0	0.01
1.4	QPSK	3	1	23.83	23.86	23.85			
1.4	QPSK	3	3	23.76	23.83	23.85			
1.4	QPSK	6	0	23.50	23.51	23.51	24.6	0	0.30
1.4	QPSK	1	0	24.03	23.92	24.02			
1.4	QPSK	1	3	24.05	24.02	24.06			
1.4	QPSK	1	6	23.98	23.91	23.95	24.6	0	0.30
1.4	QPSK	3	0	23.56	23.76	23.87			
1.4	QPSK	3	3	23.59	23.81	23.82			
1.4	QPSK	6	0	23.33	23.32	23.31	23.6	1	0.02
1.4	QPSK	1	0	22.88	22.86	22.86			
1.4	QPSK	1	3	22.84	22.87	22.82	23.6	1	0.28
1.4	QPSK	1	6	22.82	22.76	22.87			
1.4	QPSK	3	0	22.77	22.82	22.82			
1.4	QPSK	3	1	22.88	22.85	22.85			
1.4	QPSK	3	3	22.78	22.82	22.82	22.6	2	0.04
1.4	QPSK	6	0	22.25	22.21	22.25			
1.4	QPSK	1	0	19.38	19.38	19.38			
1.4	QPSK	1	3	19.41	19.37	19.37	19.6	5	0.16
1.4	QPSK	1	6	19.38	19.35	19.35			
1.4	QPSK	3	0	19.38	19.35	19.35			
1.4	QPSK	3	1	19.37	19.35	19.35			
1.4	QPSK	3	3	19.37	19.35	19.35			
1.4	QPSK	6	0	19.33	19.38	19.38	19.6	5	0.05

Band 26(FCC)_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)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.45	24.45	24.45	25	0	
15	QPSK	1	27	24.40	24.50	24.50			
15	QPSK	1	74	24.42	24.48	24.48			
15	QPSK	1	121	24.44	24.46	24.46			
15	QPSK	1	168	24.46	24.44	24.44			
15	QPSK	36	20	24.20	24.22	24.21	25	0	
15	QPSK	36	59	24.39	24.14	24.59			
15	QPSK	36	97	24.42	24.12	24.54			
15	QPSK	36	135	24.44	24.10	24.56			
15	QPSK	36	173	24.46	24.08	24.58			
15	QPSK	1	0	24.51	24.51	24.52	25	0	
15	QPSK	1	27	24.46	24.49	24.40			
15	QPSK	1	74	24.48	24.47	24.47			
15	QPSK	1	121	24.48	24.47	24.47			
15	QPSK	1	168	24.48	24.47	24.47			
15	QPSK	36	20	24.28	24.28	24.28	24	1	
15	QPSK	36	59	24.38	24.08	24.68			
15	QPSK	36	97	24.38	24.08	24.68			
15	QPSK	36	135	24.38	24.08	24.68			
15	QPSK	36	173	24.38	24.08	24.68			
15	QPSK	1	0	24.56	24.56	24.56	25	0	
15	QPSK	1	27	24.51	24.51	24.51			
15	QPSK	1	74	24.51	24.51	24.51			
15	QPSK	1	121	24.51	24.51	24.51			
15	QPSK	1	168	24.51	24.51	24.51			
15	QPSK	36	20	24.24	24.24	24.24	24	1	
15	QPSK	36	59	24.34	24.04	24.64			
15	QPSK	36	97	24.34	24.04	24.64			
15	QPSK	36	135	24.34	24.04	24.64			
15	QPSK	36	173	24.34	24.04	24.64			
15	QPSK	1	0	24.59	24.59	24.59	25	0	
15	QPSK	1	27	24.54	24.54	24.54			
15	QPSK	1	74	24.54	24.54	24.54			
15	QPSK	1	121	24.54	24.54	24.54			
15	QPSK	1	168	24.54	24.54	24.54			
15	QPSK	36	20	24.28	24.28	24.28	24	1	
15	QPSK	36	59	24.38	24.08	24.68			
15	QPSK	36	97	24.38	24.08	24.68			
15	QPSK	36	135	24.38	24.08	24.68			
15	QPSK	36	173	24.38	24.08	24.68			
15	QPSK	1	0	24.62	24.62	24.62	25	0	
15	QPSK	1	27	24.57	24.57	24.57			
15	QPSK	1	74	24.57	24.57	24.57			
15	QPSK	1	121	24.57	24.57	24.57			
15	QPSK	1	168	24.57	24.57	24.57			
15	QPSK	36	20	24.32	24.32	24.32	24	1	
15	QPSK	36	59	24.42	24.02	24.82			
15	QPSK	36	97	24.42	24.02	24.82			
15	QPSK	36	135	24.42	24.02	24.82			
15	QPSK	36	173	24.42	24.02	24.82			
15	QPSK	1	0	24.65	24.65	24.65	25	0	
15	QPSK	1	27	24.60	24.60	24.60			
15	QPSK	1	74	24.60	24.60	24.60			
15	QPSK	1	121	24.60	24.60	24.60			
15	QPSK	1	168	24.60	24.60	24.60			
15	QPSK	36	20	24.36	24.36	24.36	24	1	
15	QPSK	36	59	24.46	24.06	24.86			
15	QPSK	36	97	24.46	24.06	24.86			
15	QPSK	36	135	24.46	24.06	24.86			
15	QPSK	36	173	24.46	24.06	24.86			
15	QPSK	1	0	24.68	24.68	24.68	25	0	
15	QPSK	1	27	24.63	24.63	24.63			
15	QPSK	1	74	24.63	24.63	24.63			
15	QPSK	1	121	24.63	24.63	24.63			
15	QPSK	1	168	24.63	24.63	24.63			
15	QPSK	36	20	24.40	24.40	24.40	24	1	
15	QPSK	36	59	24.50	24.10	24.90			
15	QPSK	36	97	24.50	24.10	24.90			
15	QPSK	36	135	24.50	24.10	24.90			
15	QPSK	36	173	24.50	24.10	24.90			
15	QPSK	1	0	24.71	24.71	24.71	25	0	
15	QPSK	1	27	24.66	24.66	24.66			
15	QPSK	1	74	24.66	24.66	24.66			
15	QPSK	1	121	24.66	24.66	24.66			
15	QPSK	1	168	24.66	24.66	24.66			
15	QPSK	36	20	24.44	24.44	24.44	24	1	
15	QPSK	36	59	24.54	24.04	24.94			
15	QPSK	36	97	24.54	24.04	24.94			
15	QPSK	36	135	24.54	24.04	24.94			
15	QPSK	36	173	24.54	24.04	24.94			
15	QPSK	1	0	24.74	24.74	24.74	25	0	
15	QPSK	1	27	24.69	24.69	24.69			
15	QPSK	1	74	24.69	24.69	24.69			
15	QPSK	1	121	24.69	24.69	24.69			
15	QPSK	1	168	24.69	24.69	24.69			
15	QPSK	36	20	24.48	24.48	24.48	24	1	
15	QPSK	36	59	24.58	24.08	24.98			
15	QPSK	36	97	24.58	24.08	24.98			
15	QPSK	36	135	24.58	24.08	24.98			
15	QPSK	36	173	24.58	24.08	24.98			
15	QPSK	1	0	24.80	24.80	24.80	25	0	
15	QPSK	1	27	24.75	24.75	24.75			
15	QPSK	1	74	24.75	24.75	24.75			
15	QPSK	1	121	24.75	24.75	24.75			
15	QPSK	1	168	24.75	24.75	24.75			
15	QPSK	36	20	24.52	24.52	24.52	24	1	
15	QPSK	36	59	24.62	24.02	25.02			
15	QPSK	36	97	24.62	24.02	25.02			
15	QPSK	36	135	24.62	24.02	25.02			
15	QPSK	36	173	24.62	24.02	25.02			
15	QPSK	1	0	24.83	24.83	24.83	25	0	
15	QPSK	1	27	24.78	24.78	24.78			
15	QPSK	1	74	24.78	24.78	24.78			
15	QPSK	1	121	24.78	24.78	24.78			
15	QPSK	1	168	24.78	24.78	24.78			
15	QPSK	36	20	24.56	24.56	24.56	24	1	
15	QPSK	36	59	24.66	24.06	25.06			
15	QPSK	36	97	24.66	24.06	25.06			
15	QPSK	36	135	24.66	24.06	25.06			
15	QPSK	36	173	24.66	24.06	25.06			
15	QPSK	1	0	24.86	24.86	24.86	25	0	
15	QPSK	1	27	24.81	24.81	24.81			
15	QPSK	1	74	24.81	24.81	24.81			
15	QPSK	1	121	24.81	24.81	24.81			
15	QPSK	1	168	24.81	24.81	24.81			
15	QPSK	36	20	24.60	24.60	24.60	24	1	
15	QPSK	36	59	24.70	24.10	25.10			
15	QPSK	36	97	24.70	24.10	25.10			
15	QPSK	36	135	24.70	24.10	25.10			
15	QPSK	36	173	24.70	24.10	25.10			
15	QPSK	1	0	24.91	24.91	24.91	25	0	
15	QPSK	1	27	24.86	24.86	24.86			
15	QPSK	1	74	24.86	24.86	24.86			
15	QPSK	1	121	24.86	24.86	24.86			
15	QPSK	1	168	24.86	24.86	24.86			
15	QPSK	36	20	24.64	24.64	24.64	24	1	
15	QPSK	36	59	24.74	24.14	25.14			
15	QPSK	36	97	24.74	24.14	25.14			
15	QPSK	36	135	24.74	24.14	25.14			
15	QPSK	36	173	24.74	24.14	25.14			
15	QPSK	1	0	24.94	24.94	24.94	25	0	
15	QPSK	1	27	24.89	24.89	24.89			
15	QPSK	1	74	24.89	24.89	24.89			
15	QPSK	1	121	24.89	24.89	24.89			
15	QPSK	1	168	24.89	24.89	24.89			
15	QPSK	36	20	24.68	24.68	24.68	24	1	
15	QPSK	36	59	24.78	24.18	25.18			
15	QPSK	36	97	24.78	24.18	25.18			
15	QPSK	36	135	24.78	24.18	25.18			
15	QPSK	36	173	24.78	24.18	25.18			
15	QPSK	1	0	24.97	24.97	24.97	25	0	
15	QPSK	1	27	24.92	24.92	24.92			
15	QPSK	1	74	24.92	24.92	24.92			
15	QPSK	1	121	24.92	24.92	24.92			
15	QPSK	1	168	24.92	24.92	24.92			
15	QPSK	36	20	24.72	24.72	24.72	24	1	
15	QPSK	36	59	24.82	24.22	25.22			
15	QPSK	36	97	24.82	24.22	25.22			
15	QPSK	36	135	24.82	24.22	25.22			
15	QPSK	36	173	24.82	24.22	25.22			
15	QPSK	1	0	25.00	25.00	25.00	25	0	
15	QPSK	1	27	24.95	24.95	24.95			
15	QPSK	1	74	24.95	24.95	24.95			
15	QPSK	1	121	24.95	24.95	24.95			
15	QPSK	1	168	24.95	24.95	24.95			
15	QPSK	36	20	24.76	24.76	24.76	24	1	
15	QPSK	36	59	24.86	24.26	25.26			
15	QPSK	36	97	24.86	24.26	25.26			
15	QPSK	36	135	24.86	24.26	25.26			
15	QPSK	36	173	24.86	24.26	25.26			
15	QPSK	1	0	25.03	25.03	25.03	25	0	
15	QPSK	1	27	24.98	24.98	24.98			
15	QPSK	1	74	24.98	24.98	24.98			
15	QPSK	1	121	24.98	24.98	24.98			
15	QPSK	1	168	24.98	24.98	24.98			
15	QPSK	36	20	24.80	24.80	24.80	24	1	
15	QPSK	36	59	24.90	24.30	25.30			
15	QPSK	36	97	24.90	24.30	25.30			
15	QPSK	36	135	24.90	24.30	25.30			
15	QPSK	36	173	24.90	24.30	25.30			
15	QPSK	1	0	25.06	25.06	25.06	25	0	
15	QPSK	1	27	25.01	25.01	25.01			
15	QPSK	1	74	25.01	25.01	25.01			
15	QPSK	1	121	25.01	25.01	25.01			
15	QPSK	1	168	25.01	25.01	25.01			
15	QPSK	36	20	24.84	24.84	24.84	24	1	
15	QPSK	36	59	24.94	24.34	25.34			
15	QPSK	36	97	24.94	24.34	25.34			
15	QPSK	36	135	24.94	24.34	25.34			
15	QPSK	36	173	24.94	24.34	25.34			

Band 66_Ant 5										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on (ms)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.0772	13.9252	13.9772			25	
20	QPSK	1	48	23.85	23.95	23.73				
20	QPSK	1	96	23.62	24.01	23.83				
20	QPSK	50	0	23.67	23.61	23.50				
20	QPSK	50	24	23.61	23.63	23.54				
20	QPSK	100	0	23.54	23.61	23.62			25	
20	QPSK	100	24	23.74	23.80	23.62				
20	IQMAM	1	0	23.74	23.80	23.62				
20	IQMAM	1	48	23.74	23.80	23.62				
20	IQMAM	50	0	22.91	23.06	22.86				
20	IQMAM	50	24	23.02	23.03	22.90			24	
20	IQMAM	50	48	22.94	23.08	22.85				
20	IQMAM	100	0	22.98	23.10	22.92				
20	IQMAM	100	24	22.99	22.94	22.91				
20	IQMAM	1	48	22.99	22.72	22.46				
20	IQMAM	1	96	22.91	22.99	22.46			24	
20	IQMAM	50	0	21.95	22.06	21.99				
20	IQMAM	50	24	21.96	22.02	21.95				
20	IQMAM	50	48	21.87	22.01	21.78				
20	25GQAM	1	0	18.95	19.10	18.91				
20	25GQAM	1	48	18.96	19.17	18.99			20	
20	25GQAM	50	0	18.90	19.04	18.94				
20	25GQAM	50	24	18.93	19.03	18.96				
20	25GQAM	50	48	18.91	19.01	18.81				
20	25GQAM	100	0	18.84	19.07	18.79				
20	25GQAM	100	24	18.84	19.07	18.79				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.1714	17.1642	17.2715			25	
15	QPSK	1	48	23.93	23.93	23.83				
15	QPSK	1	96	23.84	23.84	23.71				
15	QPSK	1	24	23.84	23.94	23.76				
15	QPSK	50	0	23.96	23.95	23.41				
15	QPSK	36	0	23.47	23.54	23.45			25	
15	QPSK	36	24	23.47	23.51	23.47				
15	QPSK	75	0	23.41	23.54	23.32				
15	IQMAM	1	0	23.72	23.68	23.57				
15	IQMAM	1	37	23.69	23.68	23.53				
15	IQMAM	1	74	23.70	23.79	23.82			25	
15	IQMAM	36	0	22.90	23.04	22.84				
15	IQMAM	36	24	22.92	22.96	22.91				
15	IQMAM	36	36	22.87	22.87	22.82				
15	IQMAM	75	0	22.87	23.04	22.91				
15	IQMAM	1	0	22.50	22.59	22.30			24	
15	IQMAM	1	37	22.48	22.57	22.42				
15	IQMAM	36	0	21.83	21.91	21.81				
15	IQMAM	36	20	21.82	21.87	21.81				
15	IQMAM	36	59	21.75	21.90	21.71				
15	25GQAM	1	0	18.97	19.06	18.94			20	
15	25GQAM	1	48	19.00	19.06	18.96				
15	25GQAM	1	96	18.96	18.99	18.88				
15	25GQAM	50	0	18.76	18.94	18.84				
15	25GQAM	50	24	18.82	19.00	18.75				
15	25GQAM	75	0	18.84	19.01	18.75			20	
15	25GQAM	75	0	18.84	19.01	18.75				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.0922	13.9252	13.9922			25	
10	QPSK	1	25	23.73	23.84	23.80				
10	QPSK	1	50	23.91	23.69	23.72				
10	QPSK	25	0	23.99	23.57	23.52				
10	QPSK	25	12	23.42	23.53	23.47				
10	QPSK	25	12	23.44	23.50	23.48			25	
10	QPSK	50	0	23.45	23.48	23.36				
10	IQMAM	1	0	23.63	23.66	23.57				
10	IQMAM	1	48	23.65	23.76	23.56				
10	IQMAM	1	49	23.61	23.82	23.88				
10	IQMAM	25	0	22.86	23.04	22.78			24	
10	IQMAM	25	12	22.91	22.98	22.97				
10	IQMAM	25	25	22.88	23.04	22.70				
10	IQMAM	50	0	22.84	22.97	22.76				
10	IQMAM	50	0	22.43	22.60	22.29				
10	IQMAM	1	25	22.51	22.69	22.45			24	
10	IQMAM	1	49	22.37	22.54	22.43				
10	IQMAM	1	5	21.80	21.92	21.85				
10	IQMAM	25	12	21.88	22.00	21.92				
10	IQMAM	25	50	21.81	21.92	21.71				
10	25GQAM	1	0	19.04	19.07	18.91			20	
10	25GQAM	1	25	19.00	19.07	18.93				
10	25GQAM	1	49	18.92	18.92	18.87				
10	25GQAM	25	0	18.98	18.90	18.80				
10	25GQAM	25	12	18.87	18.94	18.84				
10	25GQAM	50	0	18.92	18.98	18.78			20	
10	25GQAM	50	0	18.92	18.98	18.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.1714	17.1642	17.2715			25	
5	QPSK	1	12	23.71	23.87	23.62				
5	QPSK	1	24	23.79	23.97	23.76				
5	QPSK	12	0	23.51	23.64	23.54				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47			25	
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.55	23.47				
5	QPSK	12	7	23.55	23.					

Band 66_Ant 7															
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up Int. (sec)	MPE (dB)							
Channel															
Frequency (MHz)															
15072 15222 15272															
20	QPSK	1	0	21.24	21.28	21.22	22.1	0							
20	QPSK	1	49	21.20	21.34	21.31									
20	QPSK	1	99	21.24	21.35	21.25									
20	QPSK	50	0	20.76	20.87	20.76	22.1	0							
20	QPSK	50	24	20.70	20.84	20.69									
20	QPSK	50	50	20.76	20.87	20.76									
20	16QAM	1	0	21.05	21.15	21.05	22.1	0							
20	16QAM	1	49	20.99	21.13	21.07									
20	16QAM	1	99	21.10	21.12	21.09									
20	16QAM	50	0	20.36	20.42	20.39	21.1	1							
20	16QAM	50	24	20.22	20.31	20.19									
20	16QAM	50	50	20.34	20.43	20.42									
20	16QAM	100	0	19.94	20.07	19.96	21.1	1							
20	64QAM	1	0	19.95	20.09	19.97									
20	64QAM	1	49	19.93	20.08	20.03									
20	64QAM	1	99	19.96	20.04	19.99	20.1	2							
20	64QAM	50	0	19.35	19.42	19.35									
20	64QAM	50	24	19.28	19.39	19.29									
20	64QAM	50	50	19.22	19.33	19.19	17.1	5							
20	64QAM	100	0	19.37	19.42	19.29									
20	256QAM	1	0	16.32	16.45	16.41									
20	256QAM	1	49	16.44	16.48	16.38	17.1	5							
20	256QAM	1	99	16.38	16.47	16.38									
20	256QAM	50	0	16.44	16.45	16.39									
20	256QAM	50	24	16.39	16.45	16.44	17.1	5							
20	256QAM	50	50	16.39	16.43	16.39									
20	256QAM	100	0	16.33	16.42	16.34									
Channel															
Frequency (MHz)															
15072 15222 15272															
Time-up Int. (sec) MPE (dB)															
15	QPSK	1	0	21.14	21.27	21.27	22.1	0							
15	QPSK	1	37	21.12	21.30	21.17									
15	QPSK	1	74	21.17	21.24	21.25									
15	QPSK	36	0	20.89	21.10	21.08	22.1	0							
15	QPSK	36	20	20.69	20.71	20.69									
15	QPSK	36	36	20.66	20.73	20.61									
15	QPSK	75	0	20.86	21.01	20.98	22.1	0							
15	16QAM	1	0	20.96	21.01	20.91									
15	16QAM	1	37	20.95	21.11	21.02									
15	16QAM	1	74	20.98	21.11	21.09	21.1	1							
15	16QAM	36	0	20.31	20.40	20.32									
15	16QAM	36	20	20.15	20.22	20.06									
15	16QAM	36	36	20.24	20.53	20.29	21.1	1							
15	16QAM	75	0	20.15	20.33	20.34									
15	64QAM	1	0	19.87	20.06	19.99									
15	64QAM	1	37	19.81	19.91	19.87	20.1	2							
15	64QAM	1	74	19.83	19.94	19.89									
15	64QAM	36	0	19.30	19.31	19.29									
15	64QAM	36	20	19.13	19.25	19.15	17.1	5							
15	64QAM	75	0	19.19	19.29	19.05									
15	64QAM	75	0	19.32	19.37	19.21									
15	256QAM	1	0	16.17	16.36	16.30	17.1	5							
15	256QAM	1	37	16.34	16.41	16.35									
15	256QAM	1	74	16.34	16.42	16.36									
15	256QAM	36	0	16.42	16.37	16.38	17.1	5							
15	256QAM	36	20	16.38	16.36	16.21									
15	256QAM	36	36	16.26	16.37	16.34									
15	256QAM	75	0	16.21	16.31	16.39									
Channel															
Frequency (MHz)															
15072 15222 15272															
Time-up Int. (sec) MPE (dB)															
10	QPSK	1	0	21.14	21.27	21.27	22.1	0							
10	QPSK	1	12	21.15	21.27	21.14									
10	QPSK	1	24	21.17	21.28	21.21									
10	QPSK	12	0	20.89	21.01	21.01	22.1	0							
10	QPSK	12	7	20.59	20.71	20.62									
10	QPSK	12	14	20.73	20.76	20.74									
10	QPSK	25	0	20.89	21.01	20.84	22.1	0							
10	16QAM	1	0	20.98	21.07	20.93									
10	16QAM	1	12	20.95	21.04	21.03									
10	16QAM	1	24	20.97	21.06	21.05	21.1	1							
10	16QAM	12	7	20.25	20.38	20.26									
10	16QAM	12	14	20.25	20.39	20.25									
10	16QAM	25	0	20.21	20.30	20.15	21.1	1							
10	16QAM	25	12	20.17	20.20	20.07									
10	16QAM	25	25	20.25	20.38	20.35									
10	16QAM	50	0	20.15	20.25	20.21	21.1	1							
10	64QAM	1	0	19.93	19.99	19.92									
10	64QAM	1	12	19.93	20.04	19.98									
10	64QAM	1	24	19.97	19.91	19.95	20.1	2							
10	64QAM	12	0	19.28	19.36	19.28									
10	64QAM	12	7	19.16	19.27	19.22									
10	64QAM	12	14	19.17	19.23	19.05	17.1	2							
10	64QAM	25	0	19.19	19.24	19.15									
10	64QAM	25	0	19.27	19.30	19.27									
10	256QAM	1	0	16.16	16.35	16.29	17.1	5							
10	256QAM	1	12	16.36	16.43	16.29									
10	256QAM	1	24	16.33	16.40	16.27									
10	256QAM	12	0	16.21	16.32	16.39	17.1	5							
10	256QAM	12	7	16.36	16.43	16.36									
10	256QAM	12	14	16.38	16.45	16.37									
10	256QAM	25	0	16.26	16.39	16.37									
Channel															
Frequency (MHz)															
15167 15222 15272															
Time-up Int. (sec) MPE (dB)															
15	QPSK	1	0	21.23	21.30	21.21	22.1	0							
15	QPSK	1	12	21.15	21.27	21.14									
15	QPSK	1	24	21.17	21.28	21.21									
15	QPSK	8	0	20.94	20.98	20.97	22.1	0							
15	QPSK	8	4	20.64	20.82	20.62									
15	QPSK	8	7	20.74	20.82	20.87									
15	QPSK	15	0	20.89	21.01	20.84	22.1	0							
15	16QAM	1	0	21.04	21.07	21.03									
15	16QAM	1	8	21.04	21.22	21.03									
15	16QAM	8	4	20.67	20.15	20.57	21.1	1							
15	16QAM	8	12	20.68	20.18	20.57									
15	16QAM	8	20	20.23	20.37	20.27									
15	16QAM	15	0	20.13	20.25	20.20	21.1	1							
15	64QAM	1	0	19.92	19.99	19.89									
15	64QAM	1	8	19.93	19.98	19.98									
15	64QAM	1	14	19.94	20.01	19.79	20.1	2							
15	64QAM	8	0	19.24	19.32	19.20									
15	64QAM	8	12	19.14	19.32	19.24									
15	64QAM	8	20	19.15	19.34	19.22	17.1	5							
15	64QAM	15	0	19.19	19.29	19.13									
15	64QAM	15	8	19.26	19.35	19.26									
15	256QAM	1	0	16.29	16.42	16.28	17.1	5							
15	256QAM	1	8	16.29	16.39	16.28									
15	256QAM	1	14	16.33	16.43	16.35									
15	256QAM	8	0	16.21	16.33	16.41									
15	256QAM	8	8	16.25	16.31	16.43									
15	256QAM	8	14	16.26	16.41	16.27									
15	256QAM	15	0	16.20	16.36	16.38									
Channel															
Frequency (MHz)															
15267 15272 15285															
Time-up Int. (sec) MPE (dB)															
15	QPSK	1	0	21.22	21.30	21.21	22.1	0							
15	QPSK	1	12	21.15	21.27	21.14									
15	QPSK	1	24	21.17	21.28	21.21									
15	QPSK	3	0	20.99	20.97	20.97	22.1	0							
15	QPSK	3	3	20.69	20.82	20.62									
15	QPSK	3	3	20.72	20.79	20.61									
15	16QAM	1	0	20.91	21.00	20.91	22.1	0							
15	16QAM	1	8	21.00	21.07	21.00									
15	16QAM	1	3	20.92	21.08	20.94									
15	16QAM	3	0	20.97	21.06	21.01	22.1	0							
15	16QAM	3	3	20.68	20.87	20.67									
15	16QAM	3	3	20.88	20.85	20.79									
15	16QAM	8	0	20.91	21.00	20.91	21.1	1							
15	16QAM	8	8	20.92	21.03	21.00									
15	16QAM	8	15	20.10	20.32	20.29									
15	16QAM	1	0	19.81	20.08	19.85	21.1	1							
15	64QAM	1	0	19.82	19.98	19.85									
15	64QAM	1	8	19.83	19.94	19.87									
15	64QAM	1	15	19.90	19.96	19.76	20.1	2							
15	64QAM	8	0	19.24	19.32	19.20									
15	64QAM	8	8	19.14	19.32	19.24									
15	64QAM	8	15	19.15	19.34	19.22	17.1	5							
15	64QAM	15	0	19.19	19.29	19.13									
15	64QAM	15	8	19.26	19.35	19.26									
15	256QAM	1	0	16.29	16.42	16.28	17.1	5							
15	256QAM	1	8	16.29	16.39	16.28									
15	256QAM	1	14	16.33	16.43	16.35									
15	256QAM	8	0	16.21	16.33	16.41									
15	256QAM	8	8	16.25	16.31	16.43									
15	256QAM	8	14	16.26	16.41	16.27									
15	256QAM	15	0	16.20	16.36	16.38									
Channel															
Frequency (MHz)															
15367 15272 15285															
Time-up Int. (sec) MPE (dB)															
15	QPSK	1	0	21.22	21.30	21.21	22.1	0							
15	QPSK	1	12	21.15	21.27	21.14									
15	QPSK	1	24	21.17	21.28	21.21									
15	QPSK	3	0	20.99	20.97	20.97	22.1	0							
15	QPSK	3	3	20.69	20.82	20.62									
15	QPSK	3	3	20.72	20.79	20.61									
15	16QAM	1	0	20.91	21.00	20.91	22.1	0							
15	16QAM	1	8	21.00	21.07	21.00									
15	16QAM	1	3	20.92	21.0										

Band 38_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)				2580	2595	2610				
20	QPSK	1	0	24.57	24.62	24.57	25	0		
20	QPSK	1	49	24.44	24.58	24.48				
20	QPSK	1	99	24.42	24.53	24.45				
20	QPSK	50	0	24.17	24.27	24.16				
20	QPSK	50	24	24.09	24.11	23.96				
20	QPSK	50	50	23.98	24.09	24.00	25	0		
20	QPSK	100	0	24.12	24.17	24.02				
20	16QAM	1	0	24.08	24.15	24.08				
20	16QAM	1	49	24.07	24.14	24.09				
20	16QAM	1	99	23.93	24.08	24.05				
20	16QAM	50	0	23.54	23.59	23.57	24	1		
20	16QAM	50	24	23.53	23.64	23.63				
20	16QAM	50	50	23.65	23.61	23.59				
20	16QAM	100	0	23.47	23.53	23.49				
20	64QAM	1	0	22.80	22.84	22.71				
20	64QAM	1	49	22.72	22.76	22.70	23	2		
20	64QAM	1	99	22.72	22.76	22.71				
20	64QAM	50	0	22.53	22.56	22.47				
20	64QAM	50	24	22.66	22.67	22.65				
20	64QAM	50	50	22.53	22.57	22.44				
20	64QAM	100	0	22.56	22.63	22.58	23	2		
20	256QAM	1	0	19.41	19.46	19.41				
20	256QAM	1	49	19.36	19.48	19.36				
20	256QAM	1	99	19.42	19.46	19.39				
20	256QAM	50	0	19.64	19.74	19.62				
20	256QAM	50	24	19.50	19.63	19.54	20	5		
20	256QAM	50	50	19.65	19.76	19.63				
20	256QAM	100	0	19.72	19.62	19.63				
Channel										
Frequency (MHz)				3725	3800	3875	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.50	24.52	24.50	25	0		
15	QPSK	1	37	24.40	24.51	24.36				
15	QPSK	1	74	24.30	24.50	24.34				
15	QPSK	36	0	24.02	24.18	24.13				
15	QPSK	36	20	23.96	23.99	23.85				
15	QPSK	36	39	23.82	24.01	23.89	25	0		
15	QPSK	36	50	23.98	24.02	23.87				
15	16QAM	1	0	23.95	24.13	24.07				
15	16QAM	1	37	24.00	24.02	24.05				
15	16QAM	1	74	23.81	24.04	24.04				
15	16QAM	36	0	23.28	23.54	23.44	24	1		
15	16QAM	36	20	23.48	23.56	23.62				
15	16QAM	36	39	23.44	23.49	23.52				
15	16QAM	75	0	23.35	23.46	23.48				
15	64QAM	1	0	22.78	22.70	22.69				
15	64QAM	1	37	22.85	22.87	22.80	23	2		
15	64QAM	1	74	22.62	22.73	22.69				
15	64QAM	36	0	22.38	22.42	22.37				
15	64QAM	36	20	22.51	22.59	22.53				
15	64QAM	36	39	22.50	22.42	22.52				
15	64QAM	75	0	22.49	22.52	22.45	23	2		
15	256QAM	1	0	19.32	19.40	19.29				
15	256QAM	1	37	19.32	19.33	19.35				
15	256QAM	1	74	19.38	19.41	19.26				
15	256QAM	36	0	19.27	19.61	19.61				
15	256QAM	36	20	19.46	19.62	19.52	20	5		
15	256QAM	36	39	19.54	19.69	19.59				
15	256QAM	75	0	19.60	19.59	19.49				
Channel										
Frequency (MHz)				3676	3696	3695	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.43	24.55	24.54	25	0		
10	QPSK	1	25	24.33	24.56	24.44				
10	QPSK	1	49	24.35	24.46	24.36				
10	QPSK	25	0	24.09	24.16	24.03				
10	QPSK	25	12	24.05	24.07	23.94				
10	QPSK	25	25	23.85	24.03	23.95	25	0		
10	QPSK	50	0	24.02	24.10	23.90				
10	16QAM	1	0	23.94	24.10	24.06				
10	16QAM	1	25	23.94	24.02	24.06				
10	16QAM	1	49	23.87	24.02	23.93				
10	16QAM	25	0	23.48	23.47	23.49	24	1		
10	16QAM	25	12	23.52	23.56	23.56				
10	16QAM	25	25	23.54	23.56	23.44				
10	16QAM	50	0	23.24	23.45	23.45				
10	64QAM	1	0	22.68	22.68	22.70				
10	64QAM	1	25	22.62	22.66	22.59	23	2		
10	64QAM	1	49	22.62	22.61	22.67				
10	64QAM	25	0	22.48	22.41	22.46				
10	64QAM	25	12	22.62	22.60	22.59				
10	64QAM	25	25	22.48	22.48	22.31				
10	64QAM	50	0	22.45	22.51	22.56	20	5		
10	256QAM	1	0	19.35	19.37	19.27				
10	256QAM	1	25	19.34	19.33	19.24				
10	256QAM	1	49	19.27	19.44	19.35				
10	256QAM	25	0	19.51	19.63	19.47				
10	256QAM	25	12	19.40	19.58	19.48	20	5		
10	256QAM	25	25	19.53	19.72	19.61				
10	256QAM	50	0	19.63	19.61	19.62				
Channel										
Frequency (MHz)				3773	3800	3822.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.47	24.57	24.48	25	0		
5	QPSK	1	12	24.30	24.47	24.44				
5	QPSK	1	24	24.20	24.42	24.34				
5	QPSK	12	0	24.05	24.17	24.04				
5	QPSK	12	7	23.95	24.05	23.94				
5	QPSK	12	13	23.91	24.03	23.86	25	0		
5	QPSK	25	0	24.10	24.05	23.97				
5	16QAM	1	0	24.00	24.09	24.00				
5	16QAM	1	12	24.01	24.13	24.03				
5	16QAM	1	24	23.79	24.00	24.02				
5	16QAM	12	0	23.47	23.57	23.48	24	1		
5	16QAM	12	7	23.50	23.56	23.55				
5	16QAM	12	13	23.47	23.49	23.50				
5	16QAM	25	0	23.34	23.38	23.45				
5	64QAM	1	0	22.77	22.76	22.67				
5	64QAM	1	12	22.56	22.60	22.56	23	2		
5	64QAM	1	24	22.62	22.75	22.58				
5	64QAM	12	0	22.38	22.55	22.38				
5	64QAM	12	7	22.57	22.62	22.63				
5	64QAM	12	13	22.41	22.49	22.32				
5	64QAM	25	0	22.46	22.59	22.51	20	5		
5	256QAM	1	0	19.35	19.35	19.38				
5	256QAM	1	12	19.24	19.45	19.31				
5	256QAM	1	24	19.40	19.38	19.28				
5	256QAM	12	0	19.51	19.59	19.47				
5	256QAM	12	7	19.48	19.53	19.45	20	5		
5	256QAM	12	13	19.63	19.63	19.51				
5	256QAM	25	0	19.66	19.47	19.61				

Band 38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.02	23.85	23.83	24.3	0	
20	QPSK	1	49	23.73	23.84	23.82			
20	QPSK	1	99	23.82	23.82	23.73			
20	QPSK	50	0	23.34	23.58	23.47			
20	QPSK	50	24	23.33	23.45	23.36	24.3	0	
20	QPSK	50	49	23.33	23.45	23.36			
20	QPSK	100	0	23.42	23.55	23.40			
20	16QAM	1	0	23.38	23.42	23.40			
20	16QAM	1	49	23.23	23.38	23.26	24.3	0	
20	16QAM	1	99	23.43	23.49	23.47			
20	16QAM	50	0	23.37	23.44	23.32			
20	16QAM	50	24	22.79	22.93	22.86			
20	16QAM	50	50	22.83	22.96	22.84	23.3		
20	16QAM	100	0	22.85	22.93	22.80			
20	16QAM	1	0	21.98	22.09	22.06			
20	16QAM	1	49	22.05	22.07	22.05			
20	64QAM	1	99	21.99	22.07	21.92	22.3	2	
20	64QAM	50	0	21.89	21.91	21.84			
20	64QAM	50	24	21.87	22.00	21.94			
20	64QAM	50	49	21.87	22.00	21.94			
20	64QAM	100	0	21.85	21.91	21.86	22.3	2	
20	256QAM	1	0	18.86	18.89	18.82			
20	256QAM	1	49	18.85	18.88	18.87			
20	256QAM	1	99	18.76	18.84	18.69			
20	256QAM	50	0	18.78	18.86	18.79	19.3	5	
20	256QAM	50	24	19.08	19.09	18.98			
20	256QAM	50	50	18.91	18.99	18.88			
20	256QAM	100	0	18.94	19.01	18.95			
Channel									
Frequency (MHz)				2675	2690	26175	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.60	23.73	23.73	24.3	0	
15	QPSK	1	37	23.59	23.73	23.74			
15	QPSK	1	74	23.59	23.70	23.62			
15	QPSK	36	0	23.37	23.52	23.44			
15	QPSK	36	39	23.37	23.51	23.39	24.3	0	
15	QPSK	36	74	23.26	23.33	23.32			
15	QPSK	75	0	23.37	23.42	23.33			
15	16QAM	1	0	23.23	23.28	23.36			
15	16QAM	1	37	23.16	23.29	23.22	24.3	0	
15	16QAM	1	74	23.16	23.30	23.27			
15	16QAM	36	0	22.78	22.93	22.80			
15	16QAM	36	39	22.72	22.83	22.73			
15	16QAM	75	0	22.77	22.89	22.85	23.3	1	
15	16QAM	75	0	22.77	22.89	22.85			
15	64QAM	1	37	21.85	21.98	21.84			
15	64QAM	1	74	21.91	22.01	21.99			
15	64QAM	1	74	21.92	21.93	21.84	22.3	2	
15	256QAM	36	0	21.81	21.89	21.81			
15	256QAM	36	39	21.88	21.91	21.80			
15	256QAM	36	39	21.76	21.84	21.83			
15	256QAM	75	0	21.77	21.82	21.76	19.3	5	
15	256QAM	1	0	18.80	18.81	18.80			
15	256QAM	1	37	18.83	18.75	18.75			
15	256QAM	36	74	18.75	18.78	18.75			
15	256QAM	36	39	18.76	19.00	18.89	19.3	5	
15	256QAM	36	39	18.95	19.06	18.85			
15	256QAM	36	39	18.77	18.85	18.77			
15	256QAM	75	0	18.81	18.86	18.87			
Channel									
Frequency (MHz)				2675	2695	26915	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.81	23.80	23.82	24.3	0	
10	QPSK	1	25	23.70	23.79	23.73			
10	QPSK	1	49	23.76	23.79	23.58			
10	QPSK	25	0	23.35	23.53	23.46			
10	QPSK	25	12	23.38	23.42	23.32	24.3	0	
10	QPSK	25	25	23.28	23.37	23.09			
10	QPSK	50	0	23.28	23.46	23.38			
10	16QAM	1	0	23.26	23.36	23.35			
10	16QAM	1	49	23.13	23.20	23.20	23.3	1	
10	16QAM	1	49	23.36	23.40	23.35			
10	16QAM	25	0	22.64	22.90	22.73			
10	16QAM	25	12	22.72	22.84	22.81			
10	16QAM	25	25	22.68	22.82	22.72	22.3	2	
10	16QAM	25	12	22.76	22.82	22.76			
10	64QAM	1	0	21.98	22.02	21.91			
10	64QAM	1	25	21.97	21.99	21.93			
10	64QAM	1	49	21.89	22.03	21.76	22.3	2	
10	64QAM	25	0	21.88	21.82	21.79			
10	64QAM	25	12	21.88	21.93	21.84			
10	64QAM	25	25	21.78	21.74	21.83			
10	64QAM	50	0	21.75	21.76	21.77	19.3	5	
10	256QAM	1	0	18.79	18.84	18.78			
10	256QAM	25	0	18.70	18.82	18.79			
10	256QAM	1	49	18.74	18.82	18.66			
10	256QAM	25	0	18.78	18.88	18.87	19.3	5	
10	256QAM	25	12	19.03	19.06	18.93			
10	256QAM	25	25	18.86	18.97	18.79			
10	256QAM	50	0	18.84	18.94	18.81			
Channel									
Frequency (MHz)				2777.5	2805	28225	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.81	23.84	23.80	24.3	0	
5	QPSK	1	12	23.72	23.79	23.67			
5	QPSK	1	24	23.76	23.80	23.64			
5	QPSK	12	0	23.40	23.56	23.39			
5	QPSK	12	7	23.28	23.32	23.31	24.3	0	
5	QPSK	12	13	23.38	23.31	23.10			
5	QPSK	25	0	23.36	23.45	23.35			
5	16QAM	1	0	23.23	23.26	23.28			
5	16QAM	1	12	23.12	23.18	23.13	23.3	1	
5	16QAM	1	24	23.38	23.45	23.37			
5	16QAM	12	7	22.67	22.84	22.79			
5	16QAM	12	7	22.73	22.87	22.84			
5	16QAM	12	13	22.73	22.89	22.75	23.3	1	
5	16QAM	25	0	22.82	22.80	22.86			
5	64QAM	1	12	21.95	21.95	21.97			
5	64QAM	1	24	21.87	21.93	21.78			
5	64QAM	12	0	21.98	21.84	21.81	22.3	2	
5	64QAM	12	7	21.83	21.98	21.91			
5	64QAM	12	13	21.76	21.86	21.81			
5	64QAM	25	0	21.71	21.90	21.74			
5	256QAM	1	0	18.85	18.76	18.80	19.3	5	
5	256QAM	1	12	18.76	18.86	18.80			
5	256QAM	1	24	18.64	18.81	18.67			
5	256QAM	12	0	18.85	18.92	18.87			
5	256QAM	12	7	19.02	19.02	18.91	19.3	5	
5	256QAM	12	13	18.83	18.88	18.86			
5	256QAM	25	0	18.84	18.88	18.86			
5	256QAM	25	0	18.84	18.88	18.86			

Band 38_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)				2560	2595	2610							
20	QPSK	1	0	20.78	20.82	20.74	21.3	0					
20	QPSK	1	49	20.53	20.56	20.46							
20	QPSK	1	99	20.53	20.62	20.47							
20	QPSK	50	24	20.23	20.37	20.26							
20	QPSK	50	50	20.28	20.38	20.28							
20	QPSK	100	0	20.42	20.47	20.39	21.3	0					
20	16QAM	1	0	20.27	20.34	20.33							
20	16QAM	1	49	20.28	20.41	20.40							
20	16QAM	1	99	20.29	20.37	20.23							
20	16QAM	50	24	19.72	19.77	19.62							
20	16QAM	50	50	19.67	19.76	19.69	20.3	1					
20	16QAM	50	100	19.61	19.69	19.62							
20	16QAM	100	0	19.72	19.82	19.80							
20	16QAM	1	0	18.76	18.87	18.76							
20	16QAM	1	49	18.75	18.90	18.85							
20	16QAM	1	99	18.84	18.90	18.84	20.3	1					
20	16QAM	50	0	18.56	18.69	18.55							
20	16QAM	50	24	18.66	18.75	18.68							
20	16QAM	50	50	18.73	18.81	18.72							
20	16QAM	100	0	18.67	18.79	18.72							
20	256QAM	1	0	15.62	15.69	15.56	16.3	5					
20	256QAM	1	49	15.52	15.67	15.62							
20	256QAM	1	99	15.60	15.73	15.72							
20	256QAM	50	0	15.87	15.87	15.87							
20	256QAM	50	24	15.81	15.87	15.83							
20	256QAM	50	50	15.86	15.88	15.73	16.3	5					
20	256QAM	100	0	15.75	15.90	15.80							
Channel													
Frequency (MHz)				37825	38000	38175			Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	20.82	20.85	20.79			21.3	0			
15	QPSK	1	37	20.68	20.71	20.73							
15	QPSK	1	74	20.40	20.41	20.45							
15	QPSK	36	0	20.34	20.41	20.35							
15	QPSK	36	20	20.11	20.36	20.20							
15	QPSK	36	39	20.16	20.32	20.17	21.3	0					
15	QPSK	75	0	20.25	20.45	20.28							
15	16QAM	1	0	20.25	20.29	20.29							
15	16QAM	1	37	20.24	20.31	20.36							
15	16QAM	1	74	20.17	20.28	20.22							
15	16QAM	36	0	19.58	19.64	19.55	20.3	1					
15	16QAM	36	20	19.52	19.73	19.64							
15	16QAM	36	39	19.59	19.60	19.60							
15	16QAM	75	0	19.67	19.72	19.79							
15	16QAM	1	0	18.68	18.76	18.72							
15	16QAM	1	37	18.61	18.81	18.75	20.3	1					
15	16QAM	1	74	18.70	18.87	18.73							
15	16QAM	36	0	18.42	18.54	18.40							
15	16QAM	36	20	18.65	18.61	18.56							
15	16QAM	36	39	18.65	18.60	18.55							
15	16QAM	75	0	18.59	18.72	18.68	19.3	2					
15	256QAM	1	0	15.50	15.68	15.53							
15	256QAM	1	37	15.39	15.53	15.56							
15	256QAM	1	74	15.51	15.71	15.70							
15	256QAM	36	0	15.72	15.82	15.76							
15	256QAM	36	20	15.74	15.78	15.73	16.3	5					
15	256QAM	36	39	15.85	15.78	15.62							
15	256QAM	75	0	15.64	15.83	15.78							
Channel													
Frequency (MHz)				38760	38965	39165	Tune-up limit (dBm)				MPR (dB)		
10	QPSK	1	0	20.72	20.87	20.72	21.3	0					
10	QPSK	1	25	20.72	20.69	20.65							
10	QPSK	1	49	20.39	20.49	20.33							
10	QPSK	25	0	20.32	20.48	20.33							
10	QPSK	25	0	18.50	18.59	18.51							
10	QPSK	25	25	20.24	20.28	20.19	21.3	0					
10	QPSK	50	0	20.33	20.42	20.24							
10	16QAM	1	0	20.25	20.31	20.27							
10	16QAM	1	25	20.13	20.33	20.29							
10	16QAM	1	49	20.20	20.36	20.20							
10	16QAM	25	0	19.65	19.73	19.55	20.3	1					
10	16QAM	25	12	19.62	19.64	19.64							
10	16QAM	25	25	19.46	19.68	19.60							
10	16QAM	50	0	19.62	19.72	19.65							
10	16QAM	1	0	18.63	18.78	18.74							
10	16QAM	1	25	18.67	18.82	18.70	20.3	1					
10	16QAM	1	49	18.69	18.82	18.78							
10	16QAM	25	0	18.45	18.59	18.50							
10	16QAM	25	12	18.55	18.60	18.54							
10	16QAM	25	25	18.66	18.66	18.59							
10	16QAM	50	0	18.53	18.68	18.70	16.3	5					
10	256QAM	1	0	15.47	15.60	15.46							
10	256QAM	1	25	15.38	15.66	15.47							
10	256QAM	1	49	15.47	15.62	15.68							
10	256QAM	25	0	15.77	15.88	15.72							
10	256QAM	25	12	15.67	15.79	15.77	16.3	5					
10	256QAM	25	25	15.80	15.87	15.68							
10	256QAM	50	0	15.63	15.85	15.76							
Channel													
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)				MPR (dB)		
5	QPSK	1	0	20.75	20.87	20.76	21.3	0					
5	QPSK	1	12	20.67	20.67	20.69							
5	QPSK	1	24	20.49	20.52	20.42							
5	QPSK	12	0	20.41	20.50	20.41							
5	QPSK	12	7	20.20	20.29	20.25							
5	QPSK	12	13	20.20	20.36	20.23	21.3	0					
5	QPSK	25	0	20.40	20.39	20.30							
5	16QAM	1	0	20.16	20.27	20.29							
5	16QAM	1	12	20.19	20.35	20.39							
5	16QAM	1	24	20.22	20.24	20.18							
5	16QAM	12	0	19.63	19.71	19.55	20.3	1					
5	16QAM	12	7	19.59	19.67	19.61							
5	16QAM	12	13	19.60	19.55	19.54							
5	16QAM	25	0	19.70	19.72	19.76							
5	16QAM	1	0	18.62	18.81	18.65							
5	16QAM	1	12	18.69	18.84	18.77	20.3	1					
5	16QAM	1	24	18.73	18.89	18.82							
5	16QAM	12	0	18.41	18.64	18.52							
5	16QAM	12	7	18.51	18.70	18.56							
5	16QAM	12	13	18.59	18.69	18.62							
5	16QAM	25	0	18.62	18.73	18.63	16.3	5					
5	256QAM	1	0	15.61	15.68	15.50							
5	256QAM	1	12	15.50	15.64	15.52	16.3	5					
5	256QAM	1	24	15.59	15.59	15.58							
5	256QAM	12	0	15.76	15.85	15.76							
5	256QAM	12	7	15.66	15.72	15.61							
5	256QAM	12	13	15.71	15.86	15.68							
5	256QAM	25	0	15.70	15.85	15.71							

Band 41_Ant 6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Mid. Ch. / Freq	Power Mid. Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Turn-up limit [dBm]	MPR (dB)		
Channel				39750	40165	40620	41065	41490				
Frequency (MHz)				2506	2549.5	2593	2638.5	2680				
20	QPSK	1	0	21.59	21.54	21.67	21.60	21.54	22.1	0		
20	QPSK	1	49	21.55	21.53	21.62	21.59	21.49				
20	QPSK	1	99	21.54	21.52	21.60	21.48	21.49				
20	QPSK	50	0	21.34	21.36	21.47	21.33	21.39				
20	QPSK	50	24	21.20	21.14	21.24	21.23	21.09				
20	QPSK	50	60	21.18	21.22	21.24	21.21	21.14	22.1	0		
20	QPSK	100	0	21.38	21.38	21.41	21.40	21.28				
20	16QAM	1	0	21.14	21.13	21.28	21.15	21.25				
20	16QAM	1	49	21.12	21.05	21.19	21.11	21.17				
20	16QAM	1	99	21.05	21.06	21.17	21.12	21.13				
20	16QAM	50	0	20.85	20.84	20.73	20.67	20.67	21.1	1		
20	16QAM	50	24	20.75	20.74	20.84	20.77	20.75				
20	16QAM	50	50	20.82	20.82	20.73	20.68	20.68				
20	16QAM	100	0	20.86	20.74	20.73	20.65	20.67				
20	64QAM	1	0	19.75	19.85	19.89	19.83	19.79				
20	64QAM	1	49	19.85	19.85	19.96	19.84	19.86	20.1	2		
20	64QAM	1	99	19.81	19.76	19.88	19.80	19.77				
20	64QAM	50	0	19.76	19.71	19.79	19.71	19.68				
20	64QAM	50	24	19.65	19.78	19.79	19.77	19.77				
20	64QAM	50	60	19.74	19.70	19.81	19.71	19.68				
20	64QAM	100	0	19.64	19.60	19.75	19.62	19.61	17.1	5		
20	256QAM	1	0	16.47	16.47	16.58	16.45	16.55				
20	256QAM	1	49	16.57	16.45	16.58	16.50	16.51				
20	256QAM	1	99	16.48	16.48	16.54	16.52	16.53				
20	256QAM	50	0	16.71	16.71	16.77	16.65	16.63				
20	256QAM	50	24	16.89	16.81	16.90	16.76	16.82	17.1	5		
20	256QAM	50	50	16.73	16.72	16.79	16.66	16.78				
20	256QAM	100	0	16.87	16.88	16.90	16.87	16.86				
Channel				39725	40173	40620	41068	41515	Turn-up limit [dBm]	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	21.52	21.39	21.61	21.48	21.25	22.1	0		
15	QPSK	1	37	21.44	21.48	21.58	21.49	21.44				
15	QPSK	1	74	21.41	21.47	21.48	21.44	21.48				
15	QPSK	36	0	21.25	21.33	21.45	21.32	21.24				
15	QPSK	36	20	21.15	21.05	21.10	21.09	20.99				
15	QPSK	36	39	21.05	21.08	21.19	21.09	21.01	22.1	0		
15	QPSK	75	0	21.28	21.23	21.39	21.31	21.14				
15	16QAM	1	0	21.03	20.99	21.22	21.02	21.11				
15	16QAM	1	37	20.96	21.02	21.06	20.96	21.05				
15	16QAM	1	74	21.03	20.92	21.13	21.00	21.05				
15	16QAM	36	0	20.82	20.83	20.87	20.84	20.86	21.1	1		
15	16QAM	36	20	20.68	20.66	20.69	20.75	20.71				
15	16QAM	36	39	20.50	20.62	20.62	20.55	20.58				
15	16QAM	75	0	20.58	20.68	20.72	20.59	20.58				
15	64QAM	1	0	19.71	19.81	19.85	19.77	19.74				
15	64QAM	1	37	19.85	19.76	19.90	19.80	19.73	20.1	2		
15	64QAM	1	74	19.68	19.68	19.81	19.79	19.83				
15	64QAM	36	0	19.73	19.67	19.74	19.62	19.54				
15	64QAM	36	20	19.54	19.67	19.68	19.67	19.69				
15	64QAM	36	39	19.60	19.55	19.79	19.62	19.67				
15	64QAM	75	0	19.54	19.51	19.61	19.53	19.48	17.1	5		
15	256QAM	1	0	16.36	16.33	16.50	16.40	16.50				
15	256QAM	1	37	16.50	16.35	16.43	16.45	16.48				
15	256QAM	1	74	16.37	16.38	16.49	16.45	16.43				
15	256QAM	50	0	16.56	16.60	16.64	16.53	16.48				
15	256QAM	50	24	16.86	16.68	16.76	16.63	16.77	17.1	5		
15	256QAM	50	39	16.58	16.57	16.73	16.61	16.64				
15	256QAM	75	0	16.72	16.83	16.80	16.77	16.84				
Channel				39700	40160	40620	41080	41540	Turn-up limit [dBm]	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	21.44	21.53	21.54	21.55	21.53	22.1	0		
10	QPSK	1	25	21.42	21.44	21.47	21.55	21.35				
10	QPSK	1	49	21.53	21.43	21.59	21.35	21.48				
10	QPSK	25	0	21.23	21.25	21.34	21.25	21.29				
10	QPSK	25	12	21.19	21.01	21.19	21.15	21.04				
10	QPSK	25	25	21.04	21.07	21.20	21.18	21.01	22.1	0		
10	QPSK	50	0	21.37	21.31	21.32	21.30	21.16				
10	16QAM	1	0	21.13	21.06	21.23	21.09	21.24				
10	16QAM	1	25	21.09	21.04	21.14	21.08	21.06				
10	16QAM	1	49	20.90	20.88	21.07	21.03	21.00				
10	16QAM	25	0	20.81	20.82	20.73	20.59	20.56	21.1	1		
10	16QAM	25	12	20.80	20.80	20.78	20.68	20.72				
10	16QAM	25	25	20.57	20.82	20.68	20.61	20.52				
10	16QAM	50	0	20.62	20.64	20.62	20.61	20.63				
10	16QAM	50	12	19.83	19.83	19.82	19.80	19.75				
10	64QAM	1	25	19.83	19.82	19.86	19.75	19.83	20.1	2		
10	64QAM	1	49	19.68	19.65	19.80	19.77	19.69				
10	64QAM	25	0	19.75	19.58	19.64	19.60	19.60				
10	64QAM	25	12	19.58	19.65	19.74	19.76	19.74				
10	64QAM	25	25	19.63	19.63	19.79	19.65	19.53				
10	64QAM	50	0	19.51	19.57	19.74	19.57	19.52	17.1	5		
10	256QAM	1	0	16.42	16.41	16.44	16.38	16.49				
10	256QAM	1	25	16.50	16.43	16.49	16.47	16.41				
10	256QAM	1	49	16.46	16.40	16.47	16.50	16.46				
10	256QAM	25	0	16.70	16.59	16.76	16.58	16.59				
10	256QAM	25	12	16.84	16.68	16.78	16.61	16.70	17.1	5		
10	256QAM	25	25	16.70	16.67	16.78	16.61	16.70				
10	256QAM	50	0	16.82	16.87	16.78	16.82	16.84				
Channel				39675	40148	40620	41093	41565	Turn-up limit [dBm]	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	21.49	21.48	21.66	21.58	21.43	22.1	0		
5	QPSK	1	12	21.50	21.50	21.64	21.50	21.49				
5	QPSK	1	24	21.45	21.44	21.14	21.36	21				
5	QPSK	12	0	21.20	21.21	21.41	21.25	21.37	22.1	0		
5	QPSK	12	7	21.09	21.07	21.11	21.10	21.04				
5	QPSK	12	13	21.17	21.13	21.13	21.14	21.04				
5	QPSK	25	0	21.28	21.36	21.28	21.25	21.27				
5	QPSK	25	12	21.01	21.02	21.10	21.01	21.01				
5	16QAM	1	12	21.05	21.01	21.05	21.02	21.14	22.1	0		
5	16QAM	1	24	20.98	20.91	21.16	21.09	21.12				
5	16QAM	12	0	20.53	20.58	20.63	20.61	20.64				
5	16QAM	12	7	20.60	20.63	20.62	20.75	20.74				
5	16QAM	12	13	20.57	20.58	20.59	20.52	20.52				
5	16QAM	25	0	20.59	20.66	20.65	20.63	20.62	20.1	2		
5	64QAM	1	12	19.52	19.83	19.79	19.74	19.78				
5	64QAM	1	12	19.85	19.76	19.94	19.89	19.85				
5	64QAM	1	12	19.74	19.76	19.74	19.79	19.82				
5	64QAM	12	0	19.66	19.70	19.69	19.69	19.66				
5	64QAM	12	13	19.62	19.73	19.75	19.71	19.63	20.1	2		
5	64QAM	12	13	19.69	19.84	19.74	19.67	19.64				
5	64QAM	25	0	19.54	19.49	19.67	19.57	19.64				
5	256QAM	1	0	16.41	16.39	16.47	16.39	16.46				
5	256QAM	1	12	16.45	16.37	16.44	16.43	16.37				
5	256QAM	1	24	16.46	16.37	16.50	16.46	16.46	17.1	5		
5	256QAM	12	0	16.67	16.70	16.67	16.53	16.59				
5	256QAM	12	7	16.71	16.78	16.79	16.78	16.69				
5	256QAM	12	13	16.67	16.69	16.76	16.64	16.67				
5	256QAM	25	0	16.73	16.81	16.85	16.74	16.71				



Band 41(HPUe)_Ant 11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Low Middle Ch. [Freq]	Power Middle Ch. [Freq]	Power High Middle Ch. [Freq]	Power High Ch. [Freq]	Turn-up limit [dBm]	MPR (dB)		
Channel												
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.82	24.77	24.80	24.71	24.82	25.3	0		
20	QPSK	1	49	24.69	24.67	24.62	24.66	24.60				
20	QPSK	1	99	24.74	24.72	24.62	24.69	24.80				
20	QPSK	50	0	24.33	24.35	24.39	24.32	24.38				
20	QPSK	50	24	24.11	24.17	24.18	24.09	24.10				
20	QPSK	50	60	24.25	24.26	24.26	24.19	24.13	25.3	0		
20	QPSK	100	0	24.20	24.25	24.29	24.24	24.14				
20	16QAM	1	0	24.48	24.45	24.49	24.46	24.46				
20	16QAM	1	49	24.45	24.43	24.46	24.31	24.44				
20	16QAM	1	99	24.42	24.46	24.57	24.51	24.53				
20	16QAM	50	0	23.62	23.61	23.72	23.61	23.64	24.3	1		
20	16QAM	50	24	23.60	23.63	23.67	23.62	23.52				
20	16QAM	50	50	23.66	23.57	23.69	23.68	23.67				
20	16QAM	100	0	23.70	23.71	23.78	23.67	23.57				
20	64QAM	1	0	23.10	23.14	23.20	23.13	23.10				
20	64QAM	1	49	23.12	23.12	23.23	23.12	23.11	24.3	1		
20	64QAM	1	99	23.26	23.21	23.27	23.21	23.16				
20	64QAM	50	0	22.65	22.56	22.71	22.68	22.62				
20	64QAM	50	24	22.77	22.77	22.84	22.82	22.79				
20	64QAM	50	60	22.71	22.65	22.79	22.71	22.67				
20	64QAM	100	0	22.63	22.71	22.77	22.73	22.76	23.3	2		
20	256QAM	1	0	19.85	19.75	19.86	19.80	19.74				
20	256QAM	1	49	19.74	19.81	19.85	19.82	19.71				
20	256QAM	1	99	19.84	19.76	19.86	19.84	19.81				
20	256QAM	50	0	19.88	19.85	19.91	19.90	19.88				
20	256QAM	50	24	19.77	19.81	19.90	19.86	19.84	20.3	5		
20	256QAM	50	60	19.70	19.86	19.92	19.76	19.80				
20	256QAM	100	0	19.69	19.73	19.84	19.83	19.80				
Channel												
Frequency (MHz)				2502.5	2547.3	2592.5	2637.8	2682.5	Turn-up limit [dBm]	MPR (dB)		
15	QPSK	1	0	24.71	24.66	24.80	24.60	24.80	25.3	0		
15	QPSK	1	37	24.67	24.66	24.76	24.64	24.78				
15	QPSK	1	74	24.60	24.60	24.70	24.65	24.76				
15	QPSK	36	0	24.20	24.25	24.32	24.23	24.34				
15	QPSK	36	20	24.10	24.12	24.08	23.99	23.93				
15	QPSK	36	39	24.22	24.11	24.11	24.11	24.07	25.3	0		
15	QPSK	75	0	24.16	24.16	24.16	24.20	24.01				
15	16QAM	1	0	24.45	24.41	24.45	24.33	24.42				
15	16QAM	1	37	24.43	24.37	24.43	24.22	24.34				
15	16QAM	1	74	24.38	24.40	24.51	24.46	24.48				
15	16QAM	36	0	23.51	23.54	23.71	23.24	23.62	24.3	1		
15	16QAM	36	20	23.57	23.51	23.56	23.51	23.47				
15	16QAM	36	39	23.53	23.46	23.54	23.51	23.50				
15	16QAM	75	0	23.64	23.63	23.74	23.53	23.69				
15	64QAM	1	0	23.06	23.04	23.09	22.99	22.97				
15	64QAM	1	37	23.07	23.05	23.13	23.07	23.08	24.3	1		
15	64QAM	1	74	23.14	23.17	23.17	23.08	23.09				
15	64QAM	36	0	22.60	22.48	22.62	22.65	22.56				
15	64QAM	36	20	22.67	22.73	22.75	22.76	22.68				
15	64QAM	36	39	22.61	22.58	22.64	22.64	22.61				
15	64QAM	75	0	22.54	22.69	22.71	22.63	22.67	23.3	2		
15	256QAM	1	0	19.72	19.70	19.83	19.66	19.66				
15	256QAM	1	37	19.61	19.79	19.83	19.73	19.70				
15	256QAM	1	74	19.83	19.61	19.83	19.74	19.73				
15	256QAM	50	0	19.84	19.73	19.78	19.81	19.84				
15	256QAM	36	20	19.64	19.66	19.85	19.76	19.77	20.3	5		
15	256QAM	36	39	19.69	19.63	19.76	19.66	19.67				
15	256QAM	75	0	19.61	19.68	19.71	19.80	19.71				
Channel												
Frequency (MHz)				2501.5	2546.3	2591.3	2636.5	2681.5	Turn-up limit [dBm]	MPR (dB)		
10	QPSK	1	0	24.73	24.63	24.85	24.61	24.75	25.3	0		
10	QPSK	1	25	24.56	24.63	24.77	24.55	24.69				
10	QPSK	1	49	24.73	24.62	24.73	24.67	24.75				
10	QPSK	25	0	24.19	24.30	24.29	24.31	24.37				
10	QPSK	25	12	24.03	24.04	24.11	24.07	24.08				
10	QPSK	25	25	24.17	24.24	24.17	24.13	24.07	25.3	0		
10	QPSK	50	0	24.17	24.11	24.16	24.17	24.04				
10	16QAM	1	0	24.34	24.35	24.46	24.36	24.37				
10	16QAM	1	25	24.32	24.32	24.42	24.26	24.34				
10	16QAM	1	49	24.28	24.21	24.33	24.22	24.28				
10	16QAM	25	0	23.58	23.57	23.67	23.51	23.51	24.3	1		
10	16QAM	25	12	23.49	23.53	23.55	23.57	23.48				
10	16QAM	25	25	23.56	23.53	23.68	23.56	23.49				
10	16QAM	50	0	23.62	23.60	23.67	23.59	23.65				
10	64QAM	1	0	23.05	23.08	23.17	23.07	23.06				
10	64QAM	1	25	23.05	23.08	23.06	23.09	22.97	24.3	1		
10	64QAM	1	49	23.23	23.10	23.13	23.16	23.11				
10	64QAM	25	0	22.54	22.51	22.59	22.58	22.58				
10	64QAM	25	12	22.71	22.65	22.80	22.68	22.66				
10	64QAM	25	25	22.65	22.61	22.75	22.60	22.58				
10	64QAM	50	0	22.59	22.69	22.75	22.70	22.74	20.3	5		
10	256QAM	1	0	19.77	19.72	19.74	19.79	19.64				
10	256QAM	1	25	19.66	19.79	19.72	19.76	19.65				
10	256QAM	1	49	19.78	19.74	19.82	19.69	19.76				
10	256QAM	25	0	19.84	19.80	19.84	19.83	19.85				
10	256QAM	25	12	19.75	19.79	19.88	19.84	19.81	20.3	5		
10	256QAM	25	25	19.59	19.57	19.75	19.70	19.73				
10	256QAM	50	0	19.54	19.65	19.72	19.72	19.77				
Channel												
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Turn-up limit [dBm]	MPR (dB)		
5	QPSK	1	0	24.80	24.75	24.83	24.56	24.75	25.3	0		
5	QPSK	1	12	24.55	24.56	24.81	24.56	24.78				
5	QPSK	1	24	24.63	24.67	24.71	24.61	24.66				
5	QPSK	12	0	24.29	24.28	24.34	24.30	24.29	25.3	0		
5	QPSK	12	7	24.10	24.04	24.05	24.02	23.95				
5	QPSK	12	13	24.17	24.17	24.12	24.16	24.07				
5	QPSK	25	0	24.05	24.23	24.26	24.14	23.99				
5	QPSK	25	1	24.47	24.36	24.36	24.22	24.08				
5	16QAM	1	12	24.37	24.40	24.39	24.22	24.38	25.3	0		
5	16QAM	1	24	24.38	24.31	24.53	24.38	24.47				
5	16QAM	12	0	23.47	23.58	23.62	23.53	23.60				
5	16QAM	12	7	23.47	23.60	23.55	23.53	23.59	24.3	1		
5	16QAM	12	13	23.52	23.52	23.63	23.52	23.64				
5	16QAM	25	0	23.64	23.56	23.63	23.54	23.76				
5	64QAM	1	0	23.02	23.01	23.05	23.05	23.29	24.3	1		
5	64QAM	1	12	23.11	22.98	23.05	23.05	23.13				
5	64QAM	1	24	23.11	23.11	23.05	23.05	23.13				
5	64QAM	12	0	22.56	22.48	22.65	22.55	22.53				
5	64QAM	12	7	22.72	22.62	22.76	22.75	22.75				
5	64QAM	12	13	22.67	22.80	22.76	22.61	22.59	23.3	2		
5	64QAM	25	0	22.56	22.61	22.67	22.64	22.71				
5	256QAM	1	0	19.70	19.70	19.83	19.63	19.68				
5	256QAM	1	12	19.59	19.76	19.81	19.71	19.64	20.3	5		
5	256QAM	1	24	19.80	19.61	19.75	19.81	19.67				
5	256QAM	12	0	19.83	19.76	19.86	19.77	19.73				
5	256QAM	12	7	19.76	19.76	19.78	19.76	19.80	20.3	5		
5	256QAM	12	13	19.64	19.54	19.71	19.72	19.65				
5	256QAM	25	0	19.54	19.71	19.82	19.80	19.69				

GSM850_Ant 0	Burst Average Power (dBm)				Tune-up	Frame Average Power (dBm)				Tune-up
TX Channel	128	188	251	Limit	TX Channel	128	188	251	Limit	
Frequency (MHz)	834.2	836.4	848.8			834.2	836.4	848.8		
GSM 1 Tx slot	31.54	31.77	31.41	32.60	22.54	22.77	22.41	23.60		
GPRS 1 Tx slot	31.89	32.10	31.75	32.60	22.89	23.10	22.75	23.60		
GPRS 2 Tx slots	29.12	29.44	29.21	30.10	23.12	23.44	23.21	24.10		
GPRS 3 Tx slots	27.81	28.07	27.86	28.60	23.55	23.81	23.60	24.34		
GPRS 4 Tx slots	26.60	26.85	26.61	27.10	23.80	23.85	23.61	24.10		
EDGE(GMSK 1 Tx slot)	31.59	31.88	31.54	32.60	22.59	22.88	22.54	23.60		
EDGE(GMSK 2 Tx slot)	26.81	29.22	28.86	30.10	22.81	23.22	22.86	24.10		
EDGE(GMSK 3 Tx slot)	27.47	27.84	27.65	28.60	23.21	23.58	23.39	24.34		
EDGE(GMSK 4 Tx slot)	26.39	26.59	26.39	27.10	23.39	23.59	23.39	24.10		
EDGE 1 Tx slot	26.35	26.37	26.17	27.60	17.35	17.37	17.17	18.60		
EDGE 2 Tx slot	25.31	25.23	25.19	25.60	19.31	19.23	19.19	19.60		
EDGE 3 Tx slot	23.14	23.09	23.07	23.30	18.88	18.83	18.81	19.34		
EDGE 4 Tx slot	21.53	21.41	21.25	22.10	18.53	18.41	18.25	19.10		

Reduced Power Mode for ECI 3										
TX Channel	Burst Average Power (dBm)				Tune-up Limit	Frame Average Power (dBm)				Tune-up Limit
	128	188	251	Limit		128	188	251	Limit	
Frequency (MHz)	834.2	836.4	848.8	850.0	850.0	834.2	836.4	848.8	850.0	
GSM 1 Tx slot	32.43	32.60	32.39	33.50	23.43	23.60	23.39	24.50	25.24	
GPRS 1 Tx slot	32.42	32.56	32.35	33.50	23.42	23.56	23.35	24.50	25.24	
GPRS 2 Tx slots	29.95	30.10	29.85	31.00	23.95	24.10	23.85	25.00	25.74	
GPRS 3 Tx slots	28.52	28.63	28.38	29.50	24.26	24.37	24.12	25.24	25.98	
GPRS 4 Tx slots	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00	25.74	
EDGE(GMSK 1 Tx slot)	32.41	32.57	32.33	33.50	23.41	23.57	23.33	24.50	25.24	
EDGE(GMSK 2 Tx slot)	29.95	30.08	29.84	31.00	23.95	24.08	23.84	25.00	25.74	
EDGE(GMSK 3 Tx slot)	28.52	28.62	28.37	29.50	24.26	24.36	24.11	25.24	25.98	
EDGE(GMSK 4 Tx slot)	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00	25.74	
EDGE 1 Tx slot	26.65	26.42	26.27	27.00	17.65	17.42	17.27	18.00	18.74	
EDGE 2 Tx slot	25.51	25.36	25.24	26.00	19.51	19.36	19.24	19.50	20.24	
EDGE 3 Tx slot	23.42	23.25	23.11	24.00	19.16	18.99	18.85	19.50	20.24	
EDGE 4 Tx slot	21.41	21.49	21.38	22.50	18.41	18.48	18.38	19.00	19.74	

GSM1900_Ant 5		Burst Average Power (dBm)				Frame Average Power (dBm)			
TX Channel		512	661	810	Tune-up Limit (dBm)	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)		1860.2	1860	1860.8		1860.2	1860	1860.8	
GSM 1 Tx slot		28.78	29.79	29.89	30.50	19.78	20.79	20.89	21.50
GPRS 1 Tx slot		28.72	29.77	29.86	30.50	19.72	20.77	20.86	21.50
GPRS 2 Tx slots		27.32	27.30	27.40	28.50	21.32	21.30	21.40	22.50
GPRS 3 Tx slots		25.76	25.71	25.82	26.50	21.50	21.45	21.58	22.74
GPRS 4 Tx slots		24.72	24.68	24.81	25.00	21.72	21.66	21.81	22.00
EDGE(GMSK 1 Tx slot)		28.59	29.74	29.80	30.50	19.59	20.74	20.80	21.50
EDGE(GMSK 2 Tx slot)		27.21	27.16	27.36	28.50	21.21	21.16	21.36	22.50
EDGE(GMSK 3 Tx slot)		25.89	25.85	25.72	26.50	21.43	21.39	21.46	22.24
EDGE(GMSK 4 Tx slot)		24.69	24.53	24.67	25.00	21.69	21.53	21.67	22.00
EDGE 1 Tx slot		25.41	25.73	25.74	26.50	16.41	16.73	16.74	17.50
EDGE 2 Tx slot		23.93	23.72	23.57	24.50	17.93	17.72	17.57	18.50
EDGE 3 Tx slot		21.19	21.42	21.40	22.50	16.93	17.16	17.14	18.24
EDGE 4 Tx slot		20.48	20.67	20.61	21.50	17.48	17.67	17.61	18.50

GSM1900_Ant 6		Burst Average Power (dBm)				Tune-up	Frame Average Power (dBm)				Tune-up
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1860.2	1860	1860.8			1860.2	1860	1860.8		
GSM 1 Tx slot		28.15	28.21	28.18	29.00	19.15	19.21	19.18	20.00		
GPRS 1 Tx slot		28.22	28.29	28.24	29.00	19.22	19.29	19.24	20.00		
GPRS 2 Tx slots		25.54	25.48	25.55	27.00	19.54	19.48	19.55	21.00		
GPRS 3 Tx slots		23.77	23.79	23.64	25.00	19.51	19.53	19.38	20.74		
GPRS 4 Tx slots		22.54	22.56	22.54	23.50	19.54	19.56	19.54	20.50		
EDGE(GMSK 1 Tx slot)		28.17	28.24	28.14	29.00	19.17	19.24	19.14	20.00		
EDGE(GMSK 2 Tx slot)		25.39	25.54	25.54	27.00	19.39	19.54	19.54	21.00		
EDGE(GMSK 3 Tx slot)		23.65	23.71	23.51	25.00	19.39	19.45	19.25	20.74		
EDGE(GMSK 4 Tx slot)		22.51	22.43	22.50	23.50	19.51	19.43	19.50	20.50		
EDGE 1 Tx slot		24.84	24.80	24.61	25.70	15.84	15.80	15.61	16.70		
EDGE 2 Tx slot		22.61	22.72	22.51	23.70	16.61	16.72	16.51	17.70		
EDGE 3 Tx slot		20.39	20.46	20.23	21.70	16.13	16.20	15.97	17.44		
EDGE 4 Tx slot		19.75	19.65	19.53	20.70	16.75	16.65	16.53	17.70		

Band	WCDMA IV_Ant 5				Tune-up Limit (dBm)	WCDMA IV_Ant 6				Tune-up Limit (dBm)
	Rx Channel	5062	5400	5938		Rx Channel	5062	5400	5938	
Frequency (MHz)		1852.4	1860	1907.6		1852.4	1860	1907.6		
3GPP Rel 99	AMR 12.2Kbps	21.49	21.53	21.60	21.90	19.17	19.13	19.08	19.40	
3GPP Rel 99	RMC 12.2Kbps	21.54	21.65	21.62	21.90	19.24	19.28	19.21	19.40	
3GPP Rel 6	HSOPA Subtest-1	21.56	21.59	21.57	21.90	19.26	19.27	19.22	19.40	
3GPP Rel 6	HSOPA Subtest-2	21.58	21.57	21.54	21.90	19.27	19.26	19.23	19.40	
3GPP Rel 6	HSOPA Subtest-3	21.59	21.57	21.55	21.90	19.23	19.22	19.26	19.40	
3GPP Rel 6	HSOPA Subtest-4	21.59	21.58	21.57	21.90	19.26	19.24	19.25	19.40	
3GPP Rel 6	DC-HSOPA Subtest-1	21.41	21.57	21.53	21.90	19.15	19.12	19.12	19.40	
3GPP Rel 6	DC-HSOPA Subtest-2	21.47	21.50	21.39	21.90	19.13	19.25	19.16	19.40	
3GPP Rel 6	DC-HSOPA Subtest-3	21.51	21.43	21.43	21.90	19.09	19.19	19.23	19.40	
3GPP Rel 6	DC-HSOPA Subtest-4	21.47	21.43	21.56	21.90	19.12	19.14	19.21	19.40	
3GPP Rel 6	HSUPA Subtest-1	21.58	21.56	21.55	21.90	19.24	19.21	19.26	19.40	
3GPP Rel 6	HSUPA Subtest-2	21.52	21.56	21.50	21.90	19.27	19.27	19.22	19.40	
3GPP Rel 6	HSUPA Subtest-3	21.52	21.52	21.49	21.90	19.25	19.22	19.27	19.40	
3GPP Rel 6	HSUPA Subtest-4	21.62	21.55	21.54	21.90	19.24	19.21	19.22	19.40	
3GPP Rel 6	HSUPA Subtest-5	21.62	21.62	21.52	21.90	19.22	19.23	19.22	19.40	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.56	21.60	21.49	21.90	19.12	19.14	19.10	19.40	

Band	WCDMA IV_Ant5				Tune-up Limit (dBm)	WCDMA IV_Ant6				Tune-up Limit (dBm)	WCDMA IV_Ant11				Tune-up Limit (dBm)	WCDMA IV_Ant7				Tune-up Limit (dBm)	
	Rx Channel	1312	1413	1513		Rx Channel	1312	1413	1513		Rx Channel	1312	1413	1513		Rx Channel	1312	1413	1513		
Frequency (MHz)		1537	1638	1738		1537	1638	1738		1537	1638	1738		1537	1638	1738		1537	1638	1738	
3GPP Rel 99	AMR 12.2Kbps	20.93	21.00	20.94	21.50	20.50	20.66	20.60	21.10	20.59	20.73	20.70	21.30	18.22	18.22	18.20	18.60				
3GPP Rel 99	RMC 12.2Kbps	21.04	21.06	20.99	21.50	20.60	20.74	20.62	21.10	20.73	20.82	20.76	21.30	18.33	18.34	18.24	18.60				
3GPP Rel 6	HSOPA Subtest-1	21.04	20.99	21.02	21.50	20.54	20.54	20.53	21.10	20.75	20.72	20.78	21.30	18.30	18.23	18.30	18.60				
3GPP Rel 6	HSOPA Subtest-2	21.00	20.87	20.99	21.50	20.51	20.57	20.52	21.10	20.74	20.73	20.74	21.30	18.30	18.16	18.26	18.60				
3GPP Rel 6	HSOPA Subtest-3	20.99	20.93	21.03	21.50	20.56	20.50	20.55	21.10	20.77	20.74	20.77	21.30	18.31	18.24	18.32	18.60				
3GPP Rel 6	HSOPA Subtest-4	20.99	20.90	21.02	21.50	20.53	20.58	20.54	21.10	20.76	20.80	20.74	21.30	18.25	18.16	18.31	18.60				
3GPP Rel 6	DC-HSOPA Subtest-1	20.90	20.81	20.89	21.50	20.53	20.52	20.45	21.10	20.74	20.69	20.73	21.30	18.16	18.13	18.26	18.60				
3GPP Rel 6	DC-HSOPA Subtest-2	20.88	20.75	20.85	21.50	20.44	20.53	20.46	21.10	20.63	20.66	20.61	21.30	18.17	18.12	18.20	18.60				
3GPP Rel 6	DC-HSOPA Subtest-3	20.90	20.79	20.95	21.50	20.55	20.37	20.44	21.10	20.62	20.61	20.74	21.30	18.25	18.10	18.26	18.60				
3GPP Rel 6	DC-HSOPA Subtest-4	20.89	20.80	20.88	21.50	20.48	20.50	20.45	21.10	20.67	20.76	20.72	21.30	18.21	18.08	18.27	18.60				
3GPP Rel 6	HSUPA Subtest-1	21.02	20.90	21.04	21.50	20.58	20.41	20.60	21.10	20.76	20.74	20.71	21.30	18.18	18.20	18.28	18.60				
3GPP Rel 6	HSUPA Subtest-2	21.00	20.94	21.00	21.50	20.59	20.48	20.63	21.10	20.73	20.74	20.79	21.30	18.33	18.22	18.27	18.60				
3GPP Rel 6	HSUPA Subtest-3	21.00	20.94	21.04	21.50	20.58	20.48	20.59	21.10	19.92	20.73	19.93	21.30	18.26	18.20	18.30	18.60				
3GPP Rel 6	HSUPA Subtest-4	20.99	20.96	20.89	21.50	20.55	20.47	20.64	21.10	20.77	20.74	20.78	21.30	18.28	18.23	18.32	18.60				
3GPP Rel 6	HSUPA Subtest-5	21.01	21.00	21.00	21.50	20.45	20.50	20.60	21.10	20.79	20.80	20.70	21.30	18.28	18.20	18.30	18.60				
3GPP Rel 7	HSPA+ (HIGAM) Subtest-1	20.90	20.97	20.94	21.50	20.40	20.46	20.53	21.10	20.78	20.73	20.56	21.30	18.14	18.15	18.24	18.60				

Band 2_Ant 5									
RF (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MFR (dB)	
Channel									
Frequency (MHz)				16950	16950	17000			
30	QPSK	1	0	21.87	21.98	21.87			
30	QPSK	1	48	21.83	21.95	21.81	22.6	0	
30	QPSK	1	96	21.80	21.92	21.80			
30	QPSK	50	0	21.86	21.96	21.80			
30	QPSK	50	24	21.84	21.90	21.72	22.6	0	
30	QPSK	50	48	21.78	21.84	21.72			
30	QPSK	100	0	21.77	21.85	21.75			
30	QPSK	100	0	21.73	21.86	21.71	22.6	0	
30	QPSK	100	0	21.70	21.82	21.71			
30	QPSK	1	96	21.42	21.61	21.43			
30	QPSK	100	0	21.72	21.80	21.66			
30	QPSK	50	24	21.72	21.86	21.79	22.6	0	
30	QPSK	50	48	21.74	21.89	21.78			
30	QPSK	100	0	21.70	21.77	21.77			
30	QPSK	1	48	21.65	21.79	21.61	22.6	0	
30	QPSK	1	96	21.73	21.80	21.67			
30	QPSK	50	0	21.64	21.78	21.68			
30	QPSK	50	24	21.11	21.13	21.15	21.8	0.8	
30	QPSK	50	48	20.99	21.27	21.06			
30	QPSK	100	0	20.97	21.14	21.02			
30	QPSK	1	0	17.89	17.90	17.90			
30	QPSK	1	48	17.89	17.90	17.88	18.8	3.8	
30	QPSK	1	96	17.88	17.90	17.83			
30	QPSK	50	0	17.89	17.94	17.79	18.8	3.8	
30	QPSK	50	24	17.82	18.00	17.79			
30	QPSK	50	48	17.80	18.00	17.79			
30	QPSK	100	0	17.80	18.00	17.84			
Channel									
Frequency (MHz)				16950	16950	17020	Turn-on time (min)	MFR (dB)	
15	QPSK	1	0	21.84	21.92	21.81			
15	QPSK	1	48	21.79	21.93	21.83	22.6	0	
15	QPSK	1	96	21.76	21.90	21.80			
15	QPSK	36	0	21.76	21.79	21.73			
15	QPSK	36	0	21.85	21.77	21.71	22.6	0	
15	QPSK	36	0	21.80	21.81	21.76			
15	QPSK	75	0	21.77	21.82	21.76			
15	QPSK	1	0	21.68	21.83	21.76	22.6	0	
15	QPSK	1	48	21.67	21.77	21.65			
15	QPSK	1	96	21.59	21.61	21.39			
15	QPSK	36	0	21.70	21.78	21.64			
15	QPSK	36	0	21.70	21.82	21.67	22.6	0	
15	QPSK	36	0	21.61	21.78	21.71			
15	QPSK	75	0	21.89	21.79	21.83			
15	QPSK	75	0	21.65	21.77	21.72			
15	QPSK	1	48	21.59	21.79	21.67	22.6	0	
15	QPSK	1	96	21.68	21.81	21.61			
15	QPSK	36	0	21.60	21.73	21.61			
15	QPSK	36	0	21.56	21.51	21.42	21.8	0.8	
15	QPSK	36	0	20.95	21.12	20.98			
15	QPSK	75	0	20.95	21.12	20.98			
15	QPSK	1	0	17.89	17.90	17.92			
15	QPSK	1	48	17.89	17.90	17.88	18.8	3.8	
15	QPSK	1	96	17.88	17.90	17.83			
15	QPSK	36	0	17.89	17.94	17.84			
15	QPSK	36	0	17.82	18.00	17.79	18.8	3.8	
15	QPSK	36	0	17.80	18.00	17.84			
15	QPSK	75	0	17.85	18.01	17.89			
Channel									
Frequency (MHz)				16950	16950	19070	Turn-on time (min)	MFR (dB)	
10	QPSK	1	0	21.80	21.90	21.80			
10	QPSK	1	48	21.82	21.88	21.84	22.6	0	
10	QPSK	1	96	21.80	21.88	21.80			
10	QPSK	25	0	21.81	21.81	21.72			
10	QPSK	25	0	21.85	21.79	21.70	22.6	0	
10	QPSK	25	0	21.87	21.79	21.76			
10	QPSK	50	0	21.77	21.79	21.79			
10	QPSK	1	0	21.74	21.79	21.79	22.6	0	
10	QPSK	1	12	21.70	21.78	21.71			
10	QPSK	1	24	21.38	21.58	21.35			
10	QPSK	12	0	21.72	21.82	21.67			
10	QPSK	12	0	21.71	21.81	21.79	22.6	0	
10	QPSK	12	0	21.70	21.78	21.73			
10	QPSK	25	0	21.88	21.83	21.83			
10	QPSK	25	0	21.64	21.72	21.74			
10	QPSK	1	12	21.59	21.74	21.57	22.6	0	
10	QPSK	1	24	21.71	21.81	21.66			
10	QPSK	12	0	21.63	21.76	20.99	21.8	0.8	
10	QPSK	12	0	20.98	21.17	21.07			
10	QPSK	25	0	20.98	21.13	20.98			
10	QPSK	1	0	17.89	17.89	17.87			
10	QPSK	1	12	17.85	17.91	17.87	18.8	3.8	
10	QPSK	1	24	17.89	17.96	17.82			
10	QPSK	12	0	17.89	17.96	17.82			
10	QPSK	12	0	17.82	18.00	17.79	18.8	3.8	
10	QPSK	12	0	17.80	18.00	17.84			
10	QPSK	25	0	17.87	18.01	17.82			
Channel									
Frequency (MHz)				16950	16950	19070	Turn-on time (min)	MFR (dB)	
5	QPSK	1	0	21.84	21.92	21.79			
5	QPSK	1	12	21.82	21.89	21.78	22.6	0	
5	QPSK	1	24	21.83	21.91	21.80			
5	QPSK	12	0	21.80	21.77	21.73			
5	QPSK	12	0	21.85	21.80	21.72	22.6	0	
5	QPSK	12	0	21.84	21.79	21.76			
5	QPSK	25	0	21.78	21.78	21.78			
5	QPSK	1	0	21.74	21.79	21.79	22.6	0	
5	QPSK	1	12	21.70	21.78	21.71			
5	QPSK	1	24	21.38	21.58	21.35			
5	QPSK	12	0	21.72	21.82	21.67			
5	QPSK	12	0	21.71	21.81	21.66	22.6	0	
5	QPSK	12	0	21.70	21.78	21.73			
5	QPSK	25	0	21.88	21.83	21.83			
5	QPSK	25	0	21.64	21.72	21.74			
5	QPSK	1	12	21.59	21.74	21.57	22.6	0	
5	QPSK	1	24	21.71	21.81	21.66			
5	QPSK	12	0	21.63	21.76	20.99	21.8	0.8	
5	QPSK	12	0	20.98	21.17	21.07			
5	QPSK	25	0	20.98	21.13	20.98			
5	QPSK	1	0	17.89	17.89	17.87			
5	QPSK	1	12	17.85	17.91	17.87	18.8	3.8	
5	QPSK	1	24	17.89	17.96	17.82			
5	QPSK	12	0	17.89	17.96	17.82			
5	QPSK	12	0	17.82	18.00	17.79	18.8	3.8	
5	QPSK	12	0	17.80	18.00	17.84			
5	QPSK	25	0	17.87	18.01	17.82			
Channel									
Frequency (MHz)				16950	16950	19070	Turn-on time (min)	MFR (dB)	
1.4	QPSK	1	0	21.82	21.91	21.79			
1.4	QPSK	1	3	21.84	21.87	21.85	22.6	0	
1.4	QPSK	1	6	21.85	21.93	21.86			
1.4	QPSK	3	0	21.78	21.77	21.71			
1.4	QPSK	3	0	21.81	21.78	21.71	22.6	0	
1.4	QPSK	3	0	21.89	21.77	21.77			
1.4	QPSK	6	0	21.76	21.82	21.76			
1.4	QPSK	6	0	21.80	21.80	21.79			
1.4	QPSK	1	3	21.64	21.78	21.69			
1.4	QPSK	1	6	21.61	21.67	21.60	22.6	0	
1.4	QPSK	1	9	21.73	21.79	21.69			
1.4	QPSK	1	12	21.79	21.79	21.71			
1.4	QPSK	6	0	21.93	21.82	21.81	22.6	0	
1.4	QPSK	6	0	21.69	21.76	21.74			
1.4	QPSK	1	3	21.75	21.81	21.67			
1.4	QPSK	1	6	21.65	21.80	21.66	22.6	0	
1.4	QPSK	3	0	21.60	21.73	20.98			
1.4	QPSK	3	0	21.59	21.64	21.54	21.8	0.8	
1.4	QPSK	3	0	20.92	21.20	21.07			
1.4	QPSK	6	0	20.93	21.13	20.98	21.8	0.8	
1.4	QPSK	6	0	20.92	21.13	20.97			
1.4	QPSK	1	0	17.92	17.91	17.94			
1.4	QPSK	1	3	17.91	17.88	17.87	18.8	3.8	
1.4	QPSK	1	6	17.94	17.94	17.93			
1.4	QPSK	3	0	17.86	18.00	17.82			
1.4	QPSK	3	0	17.87	17.99	17.85	18.8	3.8	

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-on time (min)	MTR (dB)	Ch Delta +dB	Ch Delta -dB
Channel 1										
Frequency (MHz)				20.940	21.060	21.060				
10	QPSK	1	0	19.23	19.26	19.24	19.6	0	0.15	
10	QPSK	1	25	19.18	19.14	19.16				
10	QPSK	1	49	19.13	19.22	19.17				
10	QPSK	25	0	19.17	19.27	19.22				
10	QPSK	25	12	19.13	19.26	19.18	19.6	0	0.19	
10	QPSK	25	25	19.08	19.22	19.15				
10	QPSK	50	0	19.17	19.27	19.17				
10	16QAM	1	0	19.18	19.23	19.20	19.6	0	0.11	
10	16QAM	1	25	19.22	19.17	19.19				
10	16QAM	1	49	19.15	19.20	19.19				
10	16QAM	25	0	19.21	19.13	19.24				
10	16QAM	25	12	19.18	19.26	19.18	19.6	0	0.11	
10	16QAM	25	25	19.13	19.26	19.16				
10	16QAM	50	0	19.18	19.18	19.27				
10	16QAM	50	12	19.22	19.13	19.19				
10	16QAM	1	25	19.20	19.18	19.16	19.6	0	0.08	
10	16QAM	1	49	19.24	19.22	19.24				
10	16QAM	25	0	19.19	19.18	19.20				
10	16QAM	25	12	19.20	19.17	19.18	19.6	0	0.07	
10	16QAM	25	25	19.21	19.15	19.17				
10	16QAM	50	0	19.18	19.23	19.16				
10	256QAM	1	0	19.15	19.18	19.15				
10	256QAM	1	25	19.26	19.16	19.20	19.6	0	0.11	
10	256QAM	1	49	19.24	19.25	19.20				
10	256QAM	25	0	19.19	19.18	19.18				
10	256QAM	25	12	19.18	19.27	19.18	19.6	0	0.09	
10	256QAM	25	25	19.21	19.15	19.18				
10	256QAM	50	0	19.18	19.23	19.16				
Channel 2				20.940	21.060	21.060				
Frequency (MHz)				20.940	21.060	21.060				
5	QPSK	1	0	19.17	19.22	19.19	19.6	0	0.20	
5	QPSK	1	12	19.11	19.10	19.02				
5	QPSK	1	25	19.04	19.11	19.07				
5	QPSK	12	0	19.11	19.22	19.15				
5	QPSK	12	7	19.01	19.13	19.15	19.6	0	0.25	
5	QPSK	25	0	19.03	19.18	19.15				
5	16QAM	1	0	19.14	19.22	19.17	19.6	0	0.19	
5	16QAM	1	12	19.03	19.17	19.09				
5	16QAM	12	0	19.16	19.04	19.09	19.6	0	0.21	
5	16QAM	12	7	19.02	19.15	19.07				
5	16QAM	25	0	19.12	19.06	19.14				
5	16QAM	25	12	19.07	19.18	19.15				
5	16QAM	1	12	19.02	19.17	19.10	19.6	0	0.12	
5	16QAM	1	24	19.13	19.11	19.07				
5	16QAM	12	7	19.06	19.07	19.06	19.6	0	0.21	
5	16QAM	12	13	19.14	19.14	19.05				
5	16QAM	25	0	19.10	19.05	19.01				
5	256QAM	1	0	19.10	19.04	19.05	19.6	0	0.20	
5	256QAM	1	12	19.24	19.05	19.09				
5	256QAM	1	25	19.04	19.12	19.08				
5	256QAM	12	0	19.17	19.06	19.05				
5	256QAM	12	7	19.02	19.14	19.08	19.6	0	0.15	
5	256QAM	12	13	19.14	19.11	19.15				
5	256QAM	25	0	19.13	19.20	19.15				
Channel 3				20.940	21.060	21.060				
Frequency (MHz)				20.940	21.060	21.060				
3	QPSK	1	0	19.20	19.21	19.19	19.6	0	0.18	
3	QPSK	1	8	19.03	19.11	19.05				
3	QPSK	1	16	19.04	19.10	19.07				
3	QPSK	8	0	19.15	19.14	19.11				
3	QPSK	8	4	19.11	19.23	19.04	19.6	0	0.27	
3	QPSK	16	0	19.02	19.18	19.07				
3	16QAM	1	0	19.07	19.13	19.10	19.6	0	0.21	
3	16QAM	1	8	19.22	19.08	19.01				
3	16QAM	1	14	19.08	19.08	19.17				
3	16QAM	8	0	19.17	19.05	19.23	19.6	0	0.18	
3	16QAM	8	4	19.19	19.13	19.17				
3	16QAM	8	7	19.20	19.20	19.15				
3	16QAM	16	0	19.08	19.15	19.15				
3	16QAM	1	0	19.19	19.09	19.13				
3	16QAM	1	8	19.14	19.04	19.04	19.6	0	0.16	
3	16QAM	1	14	19.09	19.10	19.20				
3	16QAM	8	0	19.04	19.12	19.05				
3	16QAM	8	4	19.10	19.11	19.09	19.6	0	0.12	
3	16QAM	8	7	19.09	19.11	19.16				
3	16QAM	16	0	19.15	19.06	19.04				
3	256QAM	1	0	19.01	19.10	19.09				
3	256QAM	1	8	19.21	19.03	19.01	19.6	0	0.20	
3	256QAM	1	14	19.19	19.11	19.06				
3	256QAM	8	0	19.11	19.06	19.15				
3	256QAM	8	4	19.06	19.12	19.04	19.6	0	0.12	
3	256QAM	8	7	19.08	19.05	19.15				
3	256QAM	16	0	19.15	19.18	19.07				
Channel 4				20.940	21.060	21.060				
Frequency (MHz)				20.940	21.060	21.060				
1.4	QPSK	1	0	19.16	19.20	19.16	19.6	0	0.28	
1.4	QPSK	1	3	19.08	19.10	19.11				
1.4	QPSK	1	5	19.06	19.06	19.13				
1.4	QPSK	3	0	19.08	19.26	19.15				
1.4	QPSK	3	1	19.09	19.14	19.09	19.6	0	0.17	
1.4	QPSK	3	13	19.03	19.13	19.04				
1.4	QPSK	6	0	19.08	19.20	19.02	19.6	0	0.18	
1.4	16QAM	1	0	19.12	19.17	19.16				
1.4	16QAM	1	3	19.08	19.16	19.09	19.6	0	0.19	
1.4	16QAM	3	0	19.08	19.06	19.14				
1.4	16QAM	3	4	19.19	19.08	19.12				
1.4	16QAM	3	9	19.22	19.19	19.09				
1.4	16QAM	6	0	19.06	19.15	19.15	19.6	0	0.10	
1.4	16QAM	6	1	19.05	19.21	19.17				
1.4	16QAM	1	3	19.10	19.09	19.02				
1.4	16QAM	1	6	19.22	19.17	19.11	19.6	0	0.20	
1.4	16QAM	3	0	19.08	19.15	19.09				
1.4	16QAM	3	1	19.17	19.10	19.17				
1.4	16QAM	3	9	19.12	19.06	19.14	19.6	0	0.15	
1.4	16QAM	6	0	19.06	19.09	19.02				
1.4	256QAM	1	0	19.06	19.08	19.02				
1.4	256QAM	1	3	19.16	19.13	19.16				
1.4	256QAM	1	5	19.05	19.18	19.15	19.6	0	0.16	
1.4	256QAM	3	0	19.13	19.02	19.06				
1.4	256QAM	3	1	19.09	19.09	19.13				
1.4	256QAM	3	9	19.17	19.24	19.10	19.6	0	0.14	

Band 7_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-on time (min)	MTR (dB)		
Channel										
Frequency (MHz)				20.950	21.050	21.050				
20	QPSK	1	0	19.16	19.16	19.14	19.5	0		
20	QPSK	1	49	19.82	19.81	19.78				
20	QPSK	1	99	19.75	19.87	19.83				
20	QPSK	50	0	19.16	19.87	19.82				
20	QPSK	50	24	19.79	19.74	19.78	19.5	0		
20	QPSK	50	50	19.84	19.76	19.80				
20	16QAM	1	0	19.85	19.74	19.86	19.5	0		
20	16QAM	1	49	19.87	19.85	19.82				
20	16QAM	1	99	19.83	19.86	19.77				
20	16QAM	50	0	19.85	19.76	19.81				
20	16QAM	50	24	19.84	19.83	19.74				
20	16QAM	50	50	19.85	19.86	19.83	19.5	0		
20	16QAM	100	0	19.76	19.86	19.78				
20	16QAM	1	49	19.76	19.82	19.85				
20	16QAM	1	99	19.85	19.82	19.88	19.5	0		
20	16QAM	50	0	19.87	19.83	19.85				
20	16QAM	50	24	19.87	19.76	19.87				
20	16QAM	50	50	19.82	19.79	19.87	19.5	0		
20	16QAM	100	0	19.76	19.86	19.74				
20	256QAM	1	0	19.85	19.86	19.76				
20	256QAM	1	49	19.75	19.86	19.77	19.5	0		
20	256QAM	1	99	19.75	19.88	19.76				
20	256QAM	50	0	19.87	19.83	19.85				
20	256QAM	50	24	19.87	19.76	19.87				
20	256QAM	50	50	19.82	19.79	19.87	19.5	0		
20	256QAM	100	0	19.76	19.86	19.74				
Channel										
Frequency (MHz)				20.955	21.055	21.055	Turn-on time (min)	MTR (dB)		
15	QPSK	1	0	19.16	19.16	19.14	19.5	0		
15	QPSK	1	49	19.82	19.81	19.78				
15	QPSK	1	74	19.74	19.77	19.80	19.5	0		
15	QPSK	50	0	19.16	19.87	19.82				
15	QPSK	50	24	19.79	19.74	19.78	19.5	0		
15	QPSK	50	50	19.84	19.76	19.80				
15	QPSK	36	20	19.73	19.67	19.67	19.5	0		
15	QPSK	36	39	19.79	19.62	19.77				
15	16QAM	1	0	19.85	19.74	19.86	19.5	0		
15	16QAM	1	49	19.87	19.85	19.82				
15	16QAM	1	37	19.75	19.83	19.78				
15	16QAM	1	74	19.73	19.76	19.79	19.5	0		
15	16QAM	36	0	19.81	19.72	19.73				
15	16QAM	36	20	19.76	19.78	19.66				
15	16QAM	36	39	19.73	19.67	19.67	19.5	0		
15	16QAM	73	0	19.77	19.65	19.77				
15	16QAM	73	1	19.78	19.64	19.81				
15	16QAM	1	74	19.73	19.76	19.79	19.5	0		
15	16QAM	1	74	19.74	19.79	19.80				
15	16QAM	36	0	19.84	19.69	19.82				
15	16QAM	36	20	19.78	19.72	19.78	19.5	0		
15	16QAM	36	39	19.73	19.68	19.76				
15	16QAM	73	0	19.83	19.65	19.89				
15	16QAM	73	1	19.83	19.65	19.89				
15	256QAM	1	0	19.87	19.82	19.72	19.5	0		
15	256QAM	1	74	19.73	19.84	19.86				
15	256QAM	1	37	19.71	19.83	19.78				
15	256QAM	36	20	19.59	19.75	19.62				
15	256QAM	36	39	19.74	19.65	19.74	19.5	0		
15	256QAM	73	0	19.85	19.66	19.78				
Channel										
Frequency (MHz)				20.960	21.060	21.060	Turn-on time (min)	MTR (dB)		
10	QPSK	1	0	19.16	19.16	19.14	19.5	0		
10	QPSK	1	49	19.82	19.81	19.78				
10	QPSK	1	99	19.75	19.86	19.84				
10	QPSK	50	0	19.16	19.87	19.82				
10	QPSK	25	12	19.75	19.68	19.64	19.5	0		
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				
10	QPSK	25	12	19.75	19.68	19.64				

Band 7_Ant 7									
RF [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				2050	2150	2150			
30	QPSK	1	0	18.43	18.48	18.38	19.5	0	
20	QPSK	1	40	18.30	18.34	18.32			
20	QPSK	1	99	18.30	18.41	18.26			
20	QPSK	50	24	18.31	18.38	18.29			
20	QPSK	50	50	18.32	18.38	18.34	19.5	0	
20	16QAM	1	0	18.43	18.43	18.31			
20	16QAM	1	40	18.40	18.38	18.32	19.5	0	
20	16QAM	50	0	18.42	18.35	18.40			
20	16QAM	50	24	18.33	18.31	18.38	19.5	0	
20	16QAM	50	50	18.38	18.30	18.36			
20	16QAM	100	0	18.41	18.32	18.42			
20	16QAM	1	0	18.35	18.41	18.29	19.5	0	
20	16QAM	1	99	18.31	18.31	18.40			
20	16QAM	50	0	18.31	18.33	18.38	19.5	0	
20	16QAM	50	24	18.32	18.43	18.36			
20	16QAM	50	50	18.30	18.38	18.40			
20	16QAM	100	0	18.38	18.35	18.31			
20	256QAM	1	0	15.31	15.31	15.28	18.5	3	
20	256QAM	1	99	15.28	15.32	15.34			
20	256QAM	50	0	15.38	15.37	15.32			
20	256QAM	50	0	15.00	15.17	15.03	18.5	3	
20	256QAM	50	24	15.00	15.12	14.95			
20	256QAM	50	50	15.00	15.15	15.10			
Channel				2050	2150	2150	Tune-Up (dBm)	MFR (dB)	
Frequency (MHz)				2050.5	2056	2062.5			
15	QPSK	1	0	18.29	18.45	18.29	19.5	0	
15	QPSK	1	37	18.30	18.32	18.17			
15	QPSK	1	74	18.33	18.38	18.16			
15	QPSK	36	0	18.36	18.31	18.20	19.5	0	
15	QPSK	36	20	18.18	18.34	18.21			
15	QPSK	36	38	18.28	18.29	18.32			
15	QPSK	75	0	18.32	18.32	18.22			
15	16QAM	1	0	18.36	18.40	18.30	19.5	0	
15	16QAM	1	37	18.35	18.32	18.23			
15	16QAM	1	74	18.32	18.32	18.29			
15	16QAM	36	0	18.28	18.29	18.36	19.5	0	
15	16QAM	36	20	18.28	18.23	18.24			
15	16QAM	36	39	18.31	18.28	18.24			
15	16QAM	75	0	18.40	18.31	18.40			
15	16QAM	1	0	18.31	18.38	18.15	19.5	0	
15	16QAM	1	37	18.29	18.24	18.36			
15	16QAM	1	74	18.18	18.27	18.24			
15	16QAM	36	0	18.30	18.20	18.24	19.5	0	
15	16QAM	36	20	18.28	18.41	18.26			
15	16QAM	36	39	18.27	18.23	18.30			
15	16QAM	75	0	18.24	18.26	18.29	19.5	0	
15	256QAM	1	0	15.23	15.28	15.19	18.5	3	
15	256QAM	1	97	15.27	15.26	15.29			
15	256QAM	1	74	15.23	15.28	15.18			
15	256QAM	36	0	14.97	15.12	14.97	18.5	3	
15	256QAM	36	20	14.99	14.98	14.92			
15	256QAM	36	39	14.95	15.01	14.90			
15	256QAM	75	0	14.93	15.05	15.05			
Channel				2050	2150	2140	Tune-Up (dBm)	MFR (dB)	
Frequency (MHz)				2050.5	2056	2062.5			
10	QPSK	1	0	18.42	18.31	18.24	19.5	0	
10	QPSK	1	25	18.34	18.19	18.27			
10	QPSK	1	40	18.28	18.33	18.28			
10	QPSK	25	0	18.23	18.31	18.26	19.5	0	
10	QPSK	25	12	18.23	18.37	18.17			
10	QPSK	25	15	18.30	18.29	18.24			
10	QPSK	50	0	18.20	18.23	18.26			
10	16QAM	1	0	18.32	18.32	18.24	19.5	0	
10	16QAM	1	25	18.30	18.25	18.30			
10	16QAM	1	49	18.35	18.28	18.32			
10	16QAM	25	0	18.40	18.22	18.32			
10	16QAM	25	12	18.24	18.28	18.37	19.5	0	
10	16QAM	25	25	18.23	18.17	18.24			
10	16QAM	50	0	18.30	18.30	18.30			
10	16QAM	1	0	18.22	18.40	18.23	19.5	0	
10	16QAM	1	25	18.33	18.22	18.32			
10	16QAM	1	49	18.19	18.30	18.34			
10	16QAM	25	0	18.25	18.28	18.32	19.5	0	
10	16QAM	25	12	18.19	18.32	18.22			
10	16QAM	25	50	18.19	18.34	18.21			
10	16QAM	50	0	18.28	18.18	18.23	19.5	0	
10	256QAM	1	0	15.22	15.29	15.20	18.5	3	
10	256QAM	1	25	15.25	15.21	15.27			
10	256QAM	1	49	15.23	15.25	15.30			
10	256QAM	25	0	14.85	15.10	14.88	18.5	3	
10	256QAM	25	12	14.99	15.02	14.92			
10	256QAM	25	25	14.98	15.00	14.91			
10	256QAM	50	0	14.99	15.09	14.96			
Channel				2050.5	2150	2142.5	Tune-Up (dBm)	MFR (dB)	
Frequency (MHz)				2050.5	2056	2067.5			
5	QPSK	1	0	18.42	18.37	18.18	19.5	0	
5	QPSK	12	0	18.18	18.22	18.22			
5	QPSK	1	24	18.25	18.37	18.18			
5	QPSK	12	7	18.26	18.31	18.21	19.5	0	
5	QPSK	12	11	18.18	18.27	18.23			
5	QPSK	25	0	18.19	18.31	18.19			
5	16QAM	1	0	18.35	18.30	18.16	19.5	0	
5	16QAM	1	12	18.32	18.34	18.27			
5	16QAM	1	24	18.34	18.28	18.35			
5	16QAM	12	0	18.30	18.32	18.31	19.5	0	
5	16QAM	12	7	18.29	18.28	18.36			
5	16QAM	12	13	18.21	18.21	18.25			
5	16QAM	25	0	18.34	18.30	18.40			
5	16QAM	1	0	18.32	18.28	18.17	19.5	0	
5	16QAM	1	12	18.28	18.32	18.35			
5	16QAM	12	0	18.18	18.27	18.25			
5	16QAM	12	7	18.20	18.31	18.30	19.5	0	
5	16QAM	12	13	18.18	18.24	18.19			
5	16QAM	25	0	18.24	18.19	18.23			
5	256QAM	1	0	15.18	15.27	15.19	18.5	3	
5	256QAM	1	12	15.19	15.27	15.31			
5	256QAM	1	24	15.28	15.27	15.29			
5	256QAM	12	0	14.92	15.05	14.94	18.5	3	
5	256QAM	12	7	14.98	15.07	15.04			
5	256QAM	12	13	14.98	15.07	15.04			
5	256QAM	25	0	14.90	15.01	15.08			

Band 12_Ant 1									
RF [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (mHz)	MFR (dB)	
Channel				20005	20095	21110			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	21.31	21.38	21.34	22.1	0	
10	QPSK	1	25	21.25	21.34	21.21			
10	QPSK	1	40	21.24	21.27	21.28			
10	QPSK	25	0	21.19	21.29	21.20	22.1	0	
10	QPSK	25	12	21.14	21.24	21.16			
10	QPSK	25	25	21.27	21.22	21.22			
10	QPSK	50	0	21.22	21.28	21.25			
10	16QAM	1	0	21.16	21.11	21.19	22.1	0	
10	16QAM	1	25	21.17	21.15	21.10			
10	16QAM	1	49	21.18	21.19	21.13			
10	16QAM	25	0	21.15	21.17	21.22	22.1	0	
10	16QAM	25	12	21.29	21.29	21.15			
10	16QAM	25	25	21.26	21.18	21.21			
10	16QAM	50	0	21.21	21.34	21.29	22.1	0	
10	16QAM	1	25	21.28	21.22	21.29			
10	16QAM	1	49	21.24	21.24	21.27			
10	16QAM	25	0	20.94	20.97	20.99	21.8	0.3	
10	16QAM	25	12	20.97	21.02	21.05			
10	16QAM	25	25	21.05	21.05	20.98			
10	16QAM	50	0	20.98	21.00	21.02			
10	256QAM	1	0	18.09	18.18	17.99	18.8	3.3	
10	256QAM	1	25	18.09	18.12	18.06			
10	256QAM	1	49	17.95	18.08	17.93			
10	256QAM	25	0	18.02	18.02	17.97	18.8	3.3	
10	256QAM	25	12	17.94	18.08	18.05			
10	256QAM	25	25	17.98	18.11	18.07			
10	256QAM	50	0	17.92	17.98	17.90			
Channel				20005	20095	21110	Tune-up (mHz)	MFR (dB)	
Frequency (MHz)				704.5	707.5	711.5			
5	QPSK	1	0	21.29	21.30	21.19	22.1	0	
5	QPSK	1	25	21.26	21.36	21.15			
5	QPSK	1	40	21.18	21.12	21.20			
5	QPSK	25	0	21.15	21.25	21.10	22.1	0	
5	QPSK	25	12	21.04	21.15	21.13			
5	QPSK	25	25	21.08	21.11	21.17			
5	QPSK	50	0	21.07	21.13	21.21	22.1	0	
5	16QAM	1	0	21.07	20.97	21.13	22.1	0	
5	16QAM	1	25	21.13	21.10	20.97			
5	16QAM	1	49	21.13	21.13	21.04			
5	16QAM	25	0	21.13	21.11	21.11	22.1	0	
5	16QAM	25	12	21.11	21.07	21.16			
5	16QAM	25	25	21.08	21.09	21.10			
5	16QAM	50	0	21.12	21.08	21.15	22.1	0	
5	16QAM	1	0	21.34	21.32	21.31	22.1	0	
5	16QAM	1	25	21.31	21.33	21.31			
5	16QAM	1	49	21.29	21.35	21.31			
5	16QAM	25	0	20.88	20.89	20.94	21.8	0.3	
5	16QAM	25	12	20.89	20.93	20.91			
5	16QAM	25	25	20.83	21.02	20.86			
5	256QAM	1	0	17.86	17.89	17.88	18.8	3.3	
5	256QAM	1	25	17.86	18.01	17.95			
5	256QAM	1	49	17.82	17.92	17.90			
5	256QAM	25	0	17.81	17.99	17.95	18.8	3.3	
5	256QAM	25	12	17.88	18.08	17.99			
5	256QAM	25	25	17.90	17.98	17.99			
Channel				20005	20095	21110	Tune-up (mHz)	MFR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	21.29	21.30	21.19	22.1	0	
3	QPSK	1	25	21.26	21.36	21.15			
3	QPSK	1	40	21.12	21.23	21.24			
3	QPSK	25	0	21.15	21.25	21.10	22.1	0	
3	QPSK	25	12	21.06	21.16	21.10			
3	QPSK	25	25	21.09	21.10	21.10			
3	QPSK	50	0	21.08	21.08	21.19	22.1	0	
3	QPSK	50	12	21.07	21.07	21.13			
3	16QAM	1	0	21.02	21.00	21.14	22.1	0	
3	16QAM	1	25	21.08	21.12	21.09			
3	16QAM	1	49	21.09	21.14	21.08			
3	16QAM	25	0	21.07	21.03	21.11	22.1	0	
3	16QAM	25	12	21.15	21.14	21.11			
3	16QAM	15	0	21.19	21.11	21.07			
3	16QAM	1	0	21.29	21.29	21.34	22.1	0	
3	16QAM	1	25	21.27	21.30	21.28			
3	16QAM	1	49	21.24	21.31	21.30			
3	16QAM	25	0	20.87	20.91	20.99	21.8	0.3	
3	16QAM	25	12	20.88	20.93	20.91			
3	16QAM	25	25	20.87	20.97	20.87			
3	256QAM	1	0	17.82	17.86	17.82	18.8	3.3	
3	256QAM	1	25	17.82	18.10	17.90			
3	256QAM	1	49	17.86	18.10	17.90			
3	256QAM	25	0	17.84	17.96	17.91	18.8	3.3	
3	256QAM	25	12	17.88	18.08	17.99			
3	256QAM	25	25	17.90	17.98	17.99			
Channel				20017	20095	21173	Tune-up (mHz)	MFR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	21.29	21.30	21.19	22.1	0	
1.4	QPSK	1	25	21.26	21.36	21.15			
1.4	QPSK	1	40	21.21	21.26	21.14	22.1	0	
1.4	QPSK	25	0	21.15	21.25	21.11			
1.4	QPSK	25	12	21.06	21.16	21.10			
1.4	QPSK	25	25	21.12	21.11	21.11			
1.4	QPSK	50	0	21.10	21.07	21.20	22.1	0	
1.4	QPSK	50	12	21.07	21.07	21.11			
1.4	16QAM	1	0	21.11	20.96	21.05	22.1	0	
1.4	16QAM	1	25	21.13	21.06	21.13			
1.4	16QAM	1	49	21.09	21.13	21.09			
1.4	16QAM	25	0	21.12	21.09	21.15	22.1	0	
1.4	16QAM	25	12	21.20	21.20	21.10			
1.4	16QAM	25	25	21.05	21.02	21.15			
1.4	16QAM	50	0	21.14	21.07	21.20	22.1	0	
1.4	16QAM	1	0	21.22	21.16	21.09			
1.4	16QAM	1	25	21.34	21.28	21.35	22.1	0	
1.4	16QAM	1	49	21.31	21.35	21.31			
1.4	16QAM	25	0	21.31	21.35	21.33			
1.4	16QAM	25	12	21.28	21.28	21.21			
1.4	16QAM	25	25	21.27	21.22	21.20			
1.4	16QAM	50	0	21.31	21.35	21.33	22.1	0	
1.4	256QAM	1	0	18.05	18.05	18.05	18.8	3.3	
1.4	256QAM	1	25	18.05	18.05	18.05			
1.4	256QAM	1	49	17.95	18.09	17.97			
1.4	256QAM	25	0	17.87	17.92	17.83	18.8	3.3	
1.4	256QAM	25	12	17.88	17.94	17.84			
1.4	256QAM	25	25	17.88	17.91	17.88			
1.4	256QAM	50	0	17.88	17.91	17.88			
1.4	256QAM	1	0	17.94	17.99	17.96	18.8	3.3	
1.4	256QAM	1	25	17.92	17.97	17.92			

Band 12_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up limit (dms)	MFR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.34	20.39	20.30	21.1	0			
10	QPSK	1	25	20.31	20.31	20.30					
10	QPSK	1	49	20.30	20.32	20.30					
10	QPSK	25	0	20.32	20.30	20.30					
10	QPSK	25	12	20.30	20.28	20.22					
10	QPSK	25	25	20.29	20.31	20.21	21.1	0			
10	QPSK	50	0	20.29	20.26	20.21					
10	HQAM	1	0	20.34	20.31	20.30					
10	HQAM	1	25	20.30	20.27	20.28					
10	HQAM	1	49	20.34	20.31	20.30					
10	HQAM	25	0	20.34	20.30	20.30	21.1	0			
10	HQAM	25	12	20.27	20.29	20.30					
10	HQAM	25	25	20.32	20.30	20.29					
10	HQAM	50	0	20.31	20.29	20.29					
10	HQAM	50	0	20.31	20.29	20.33					
10	SSBQAM	1	25	17.64	17.70	17.67	18.4	2.7			
10	SSBQAM	1	49	17.61	17.75	17.69					
10	SSBQAM	25	0	17.69	17.74	17.64					
10	SSBQAM	25	12	17.66	17.67	17.63					
10	SSBQAM	25	25	17.69	17.70	17.63					
10	SSBQAM	50	0	17.61	17.65	17.63	18.4	2.7			
Channel											
Frequency (MHz)											
5	QPSK	1	0	20.32	20.30	20.30	21.1	0			
5	QPSK	1	12	20.34	20.34	20.18					
5	QPSK	1	24	20.30	20.32	20.32					
5	QPSK	12	0	20.28	20.33	20.24					
5	QPSK	12	7	20.17	20.15	20.21					
5	QPSK	12	13	20.30	20.30	20.29	21.1	0			
5	QPSK	25	0	20.21	20.23	20.09					
5	HQAM	1	0	20.30	20.16	20.30					
5	HQAM	1	12	20.34	20.34	20.18					
5	HQAM	1	24	20.32	20.18	20.10					
5	HQAM	12	0	20.25	20.34	20.33	21.1	0			
5	HQAM	12	7	20.20	20.33	20.23					
5	HQAM	12	13	20.28	20.30	20.15					
5	HQAM	25	0	20.20	20.35	20.34					
5	HQAM	25	0	20.24	20.24	20.29					
5	HQAM	1	12	20.30	20.29	20.29	21.1	0			
5	HQAM	1	24	20.25	20.29	20.32					
5	HQAM	12	0	20.30	20.22	20.34					
5	HQAM	12	7	20.16	20.30	20.35					
5	HQAM	12	13	20.26	20.30	20.15					
5	HQAM	12	13	20.30	20.31	20.16	21.1	0			
5	HQAM	12	13	20.30	20.31	20.16					
5	HQAM	12	13	20.30	20.31	20.16					
5	HQAM	12	13	20.30	20.31	20.16					
5	HQAM	12	13	20.30	20.31	20.16					
5	SSBQAM	1	0	17.67	17.74	17.53	18.4	2.7			
5	SSBQAM	1	12	17.65	17.65	17.65					
5	SSBQAM	1	24	17.41	17.63	17.65					
5	SSBQAM	12	0	17.60	17.71	17.57					
5	SSBQAM	12	13	17.52	17.57	17.60					
5	SSBQAM	25	0	17.53	17.63	17.55	18.4	2.7			
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	20.28	20.28	20.29	21.1	0			
1.4	QPSK	1	3	20.28	20.21	20.16					
1.4	QPSK	1	5	20.30	20.28	20.14					
1.4	QPSK	3	0	20.30	20.28	20.20					
1.4	QPSK	3	1	20.18	20.20	20.14					
1.4	QPSK	3	3	20.30	20.27	20.10	21.1	0			
1.4	QPSK	6	0	20.10	20.21	20.20					
1.4	HQAM	1	0	20.30	20.29	20.28					
1.4	HQAM	1	3	20.27	20.29	20.16					
1.4	HQAM	1	5	20.27	20.27	20.30					
1.4	HQAM	1	0	20.34	20.28	20.30	21.1	0			
1.4	HQAM	3	0	20.27	20.24	20.26					
1.4	HQAM	3	3	20.20	20.26	20.34					
1.4	HQAM	6	0	20.16	20.29	20.27					
1.4	HQAM	6	0	20.30	20.34	20.28					
1.4	HQAM	1	3	20.24	20.27	20.17	21.1	0			
1.4	HQAM	1	5	20.21	20.30	20.22					
1.4	HQAM	3	0	20.30	20.19	20.28					
1.4	HQAM	3	1	20.13	20.30	20.22					
1.4	HQAM	3	3	20.25	20.19	20.20					
1.4	HQAM	6	0	20.37	20.33	20.28	21.1	0			
1.4	SSBQAM	1	0	17.63	17.69	17.54					
1.4	SSBQAM	1	3	17.60	17.67	17.61					
1.4	SSBQAM	1	5	17.46	17.63	17.63					
1.4	SSBQAM	3	0	17.46	17.71	17.49					
1.4	SSBQAM	3	1	17.50	17.54	17.54	18.4	2.7			
1.4	SSBQAM	3	3	17.45	17.60	17.52					
1.4	SSBQAM	6	0	17.46	17.69	17.54					
1.4	SSBQAM	6	5	17.46	17.69	17.54					
1.4	SSBQAM	6	5	17.46	17.69	17.54					

Band 13_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up (min)	MFR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.84	22.84	22.84	23.8	0			
10	QPSK	1	25	22.84	22.84	22.84					
10	QPSK	1	49	22.84	22.84	22.84					
10	QPSK	25	0	22.83	22.83	22.83					
10	QPSK	25	12	22.73	22.73	22.73					
10	QPSK	25	25	22.72	22.72	22.72	23.8	0			
10	QPSK	50	0	22.85	22.85	22.85					
10	HQAM	1	0	22.88	22.88	22.88					
10	HQAM	1	25	22.88	22.88	22.88					
10	HQAM	1	49	22.87	22.87	22.87					
10	HQAM	25	0	22.16	22.16	22.16	22.8	1			
10	HQAM	25	12	22.11	22.11	22.11					
10	HQAM	25	25	22.16	22.16	22.16					
10	HQAM	50	0	22.19	22.19	22.19					
10	HQAM	50	0	21.74	21.74	21.74					
10	HQAM	1	25	21.89	21.89	21.89	22.8	1			
10	HQAM	1	49	21.70	21.70	21.70					
10	HQAM	25	0	21.05	21.05	21.05					
10	HQAM	25	12	21.04	21.04	21.04					
10	HQAM	25	25	21.12	21.12	21.12					
10	HQAM	50	0	21.08	21.08	21.08	21.8	2			
10	HQAM	1	25	21.09	21.09	21.09					
10	HQAM	1	0	18.10	18.10	18.10					
10	SSBQAM	1	25	18.12	18.12	18.12					
10	SSBQAM	1	49	18.09	18.09	18.09					
10	SSBQAM	25	0	18.09	18.09	18.09	18.8	5			
10	SSBQAM	25	12	18.14	18.14	18.14					
10	SSBQAM	25	25	18.13	18.13	18.13					
10	SSBQAM	50	0	18.19	18.19	18.19					
10	SSBQAM	50	0	18.19	18.19	18.19					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.84	22.82	22.83	23.8	0			
5	QPSK	1	12	22.70	22.7	22.7					
5	QPSK	1	24	22.74	22.62	22.68					
5	QPSK	12	0	22.80	22.68	22.73					
5	QPSK	12	7	22.83	22.69	22.69					
5	QPSK	12	13	22.60	22.66	22.66	23.8	0			
5	QPSK	25	0	22.71	22.68	22.68					
5	HQAM	1	0	22.80	22.79	22.82					
5	HQAM	1	12	22.84	22.81	22.82					
5	HQAM	1	24	22.83	22.79	22.79					
5	HQAM	12	0	22.03	22.05	22.02	22.8	1			
5	HQAM	12	7	21.98	21.85	21.88					
5	HQAM	12	13	21.96	21.89	21.96					
5	HQAM	25	0	22.03	22.07	22.07					
5	HQAM	1	12	21.99	21.97	21.97					
5	HQAM	1	12	21.82	21.85	21.83	22.8	1			
5	HQAM	1	24	21.81	21.84	21.88					
5	HQAM	12	0	21.96	21.89	21.96					
5	HQAM	12	7	22.06	20.99	20.93					
5	HQAM	12	13	20.98	20.91	20.96					
5	HQAM	25	0	20.97	20.92	20.92	21.8	2			
5	HQAM	25	13	20.92	20.86	20.93					
5	SSBQAM	1	0	18.05	17.99	17.97					
5	SSBQAM	1	12	17.84	17.87	17.87					
5	SSBQAM	1	24	17.86	17.88	17.86					
5	SSBQAM	12	0	17.97	17.87	17.86	18.8	5			
5	SSBQAM	12	7	17.94	17.86	17.84					
5	SSBQAM	12	13	17.87	17.82	17.86					
5	SSBQAM	25	0	17.99	18.07	18.12					

Band 17_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power / Rate Ch 1 / Freq.	Power / Rate Ch 2 / Freq.	Power / Rate Ch 3 / Freq.	Turnup time (dBm)	MFR (dB)		
Channel				23795	23795	23800				
Frequency (MHz)				710	710	711				
10	QPSK	1	0	21.50	21.47	21.30	22.1	0		
10	QPSK	1	25	21.50	21.47	21.30				
10	QPSK	1	49	21.47	21.47	21.37				
10	QPSK	25	0	21.51	21.52	21.54				
10	QPSK	25	12	21.49	21.41	21.28	22.1			
10	QPSK	25	25	21.41	21.48	21.28				
10	QPSK	50	0	21.48	21.48	21.38				
10	HQAM	1	0	21.48	21.43	21.28	22.1	0		
10	HQAM	1	25	21.44	21.54	21.38				
10	HQAM	1	49	21.47	21.52	21.30				
10	HQAM	25	0	21.48	21.50	21.36				
10	HQAM	25	12	21.45	21.51	21.29	22.1	0		
10	HQAM	25	25	21.47	21.51	21.29				
10	HQAM	50	0	21.43	21.43	21.28				
10	HQAM	50	12	21.45	21.48	21.28				
10	HQAM	50	25	21.47	21.51	21.29	22.1	0		
10	HQAM	1	49	21.47	21.52	21.33				
10	HQAM	25	0	20.95	20.73	20.65	21.4	0.7		
10	HQAM	25	12	20.95	20.99	20.50				
10	HQAM	25	25	20.94	20.99	20.47				
10	HQAM	50	0	20.94	20.95	20.62				
10	SSBQAM	1	0	17.74	17.81	17.87				
10	SSBQAM	1	25	17.86	17.73	17.86	18.4	3.7		
10	SSBQAM	1	49	17.82	17.87	17.86				
10	SSBQAM	25	0	17.70	17.78	17.85				
10	SSBQAM	25	12	17.70	17.86	17.72	18.4	3.7		
10	SSBQAM	25	25	17.58	17.88	17.87				
10	SSBQAM	50	0	17.78	17.80	17.74				
Channel				23795	23795	23800	Turnup time (dBm)	MFR (dB)		
Frequency (MHz)				710.5	710	713.5				
5	QPSK	1	0	21.51	21.51	21.28				
5	QPSK	1	12	21.44	21.42	21.20	22.1	0		
5	QPSK	1	24	21.41	21.42	21.14				
5	QPSK	12	0	21.40	21.51	21.23				
5	QPSK	12	7	21.27	21.34	21.21	22.1	0		
5	QPSK	12	13	21.38	21.42	21.25				
5	QPSK	25	0	21.33	21.42	21.24				
5	HQAM	1	0	21.42	21.37	21.22	22.1	0		
5	HQAM	1	12	21.41	21.46	21.28				
5	HQAM	1	24	21.41	21.43	21.25				
5	HQAM	12	0	21.36	21.48	21.32	22.1	0		
5	HQAM	12	7	21.32	21.20	21.28				
5	HQAM	12	13	21.40	21.48	21.27				
5	HQAM	25	0	21.36	21.31	21.14				
5	HQAM	25	1	21.40	21.38	21.29	22.1	0		
5	HQAM	1	12	21.30	21.44	21.28				
5	HQAM	1	24	21.35	21.47	21.29				
5	HQAM	12	0	20.97	20.71	20.62	21.4	0.7		
5	HQAM	12	7	20.46	20.50	20.32				
5	HQAM	12	13	20.46	20.50	20.47				
5	HQAM	25	0	20.91	20.92	20.92				
5	SSBQAM	1	0	17.64	17.72	17.55				
5	SSBQAM	1	12	17.65	17.63	17.52	18.4	3.7		
5	SSBQAM	1	24	17.61	17.65	17.45				
5	SSBQAM	12	0	17.57	17.65	17.54				
5	SSBQAM	12	7	17.60	17.72	17.65	18.4	3.7		
5	SSBQAM	12	13	17.48	17.61	17.55				
5	SSBQAM	25	0	17.58	17.77	17.72				

Band 18_Ant 1										
BW (MHz)	Modulation	RE Sub	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Time-use (int./sec)	MFR (dB)		
Channel										
Frequency (MHz)				322.5						
15	QPSK	1	0	24.76	24.79					
15	QPSK	1	37	24.78	24.78		25	0		
15	QPSK	1	74	24.78	24.78					
15	QPSK	36	20	24.50	24.50					
15	QPSK	36	39	24.57	24.57		25	0		
15	QPSK	75	0	24.41	24.41					
15	HQAM	1	0	24.48	24.48		25	0		
15	HQAM	1	37	24.55	24.55					
15	HQAM	1	74	24.46	24.46					
15	HQAM	36	20	23.71	23.71					
15	HQAM	36	39	23.81	23.81					
15	HQAM	75	0	23.83	23.83		24	1		
15	HQAM	75	1	23.86	23.86					
15	HQAM	1	37	23.42	23.42		25	1		
15	HQAM	1	74	23.42	23.42					
15	HQAM	36	20	22.74	22.74					
15	HQAM	36	39	22.81	22.81					
15	HQAM	36	39	22.86	22.86		23	2		
15	HQAM	75	0	22.73	22.73					
15	SSBQAM	1	0	19.91	19.91					
15	SSBQAM	1	37	19.93	19.93		20	5		
15	SSBQAM	1	74	19.83	19.83					
15	SSBQAM	36	20	19.66	19.66					
15	SSBQAM	36	39	19.74	19.74		20	5		
15	SSBQAM	75	0	19.73	19.73					
Channel										
Frequency (MHz)				22990	23690	23990				
				822.5	822.5	840				
15	QPSK	1	0	24.64	24.69	24.64				
15	QPSK	1	25	24.55	24.64	24.66	25	0		
15	QPSK	1	49	24.57	24.57	24.64				
15	QPSK	25	0	24.29	24.29	24.33				
15	QPSK	25	12	24.27	24.33	24.34	25	0		
15	QPSK	25	25	24.27	24.33	24.34				
15	QPSK	50	0	24.23	24.30	24.27				
15	HQAM	1	0	24.40	24.33	24.38	25	0		
15	HQAM	1	24	24.47	24.47	24.40				
15	HQAM	1	49	24.19	24.30	24.30				
15	HQAM	25	0	23.56	23.65	23.56				
15	HQAM	25	12	23.62	23.64	23.63				
15	HQAM	25	25	23.60	23.75	23.68	24	1		
15	HQAM	50	0	23.72	23.63	23.68				
15	HQAM	50	12	23.70	23.78	23.72				
15	HQAM	50	25	23.71	23.78	23.72				
15	HQAM	1	49	23.27	23.28	23.26	24	1		
15	HQAM	1	25	23.37	23.34	23.27				
15	HQAM	1	49	23.27	23.28	23.26				
15	HQAM	25	0	22.40	22.57	22.58				
15	HQAM	25	12	22.50	22.70	22.62	23	2		
15	HQAM	25	25	22.65	22.67	22.72				
15	HQAM	50	0	22.95	22.87	22.87				
15	SSBQAM	1	0	19.77	19.85	19.86				
15	SSBQAM	1	49	19.85	19.81	19.87	20	5		
15	SSBQAM	1	97	19.85	19.86	19.86				
15	SSBQAM	25	0	19.42	19.41	19.49				
15	SSBQAM	25	12	19.45	19.45	19.38				
15	SSBQAM	50	0	19.58	19.53	19.51				
Channel										
Frequency (MHz)				22890	23690	23990				
				822.5	822.5	840				
5	QPSK	1	0	24.60	24.61	24.65				
5	QPSK	1	12	24.61	24.57	24.66	25	0		
5	QPSK	1	24	24.63	24.57	24.64				
5	QPSK	12	0	24.37	24.30	24.39				
5	QPSK	12	7	24.32	24.28	24.27	25	0		
5	QPSK	12	13	24.30	24.33	24.33				
5	QPSK	25	0	24.33	24.24	24.29				
5	HQAM	1	0	24.46	24.37	24.37	25	0		
5	HQAM	1	12	24.48	24.40	24.38				
5	HQAM	1	24	24.25	24.32	24.21				
5	HQAM	12	0	23.54	23.54	23.63				
5	HQAM	12	7	23.45	23.71	23.57				
5	HQAM	12	13	23.70	23.75	23.71	24	1		
5	HQAM	25	0	23.73	23.72	23.72				
5	HQAM	25	1	23.93	23.93	23.29				
5	HQAM	1	12	23.33	23.29	23.28	24	1		
5	HQAM	1	24	23.36	23.27	23.33				
5	HQAM	12	0	22.50	22.51	22.49				
5	HQAM	12	7	22.50	22.71	22.71	23	2		
5	HQAM	12	13	22.62	22.60	22.63				
5	HQAM	25	0	22.95	22.87	22.87				
5	SSBQAM	1	0	19.77	19.85	19.86				
5	SSBQAM	1	12	19.85	19.81	19.87	20	5		
5	SSBQAM	1	24	19.85	19.86	19.86				
5	SSBQAM	12	7	19.48	19.48	19.38				
5	SSBQAM	12	13	19.45	19.45	19.38	20	5		
5	SSBQAM	25	0	19.58	19.53	19.51				
Channel										
Frequency (MHz)				22890	23690	23990				
				822.5	822.5	840				
1.4	QPSK	1	0	24.64	24.63	24.64				
1.4	QPSK	3	0	24.64	24.63	24.64				
1.4	QPSK	1	6	24.61	24.61	24.62	25	0		
1.4	QPSK	3	0	24.61	24.61	24.62				
1.4	QPSK	3	1	24.27	24.28	24.27	25	0		
1.4	QPSK	3	3	24.35	24.30	24.34				
1.4	QPSK	3	6	24.32	24.28	24.31				
1.4	HQAM	1	0	24.32	24.37	24.34	25	0		
1.4	HQAM	1	3	24.42	24.44	24.38				
1.4	HQAM	3	0	24.38	24.38	24.26				
1.4	HQAM	3	3	24.36	24.38	24.26	25	0		
1.4	HQAM	3	6	24.35	24.35	24.26				
1.4	HQAM	3	9	24.25	24.29	24.26				
1.4	HQAM	3	12	23.70	23.63	23.75	24	1		
1.4	HQAM	3	15	23.28	23.30	23.25				
1.4	HQAM	3	18	23.28	23.28	23.25				
1.4	HQAM	3	21	23.15	23.29	23.27				
1.4	HQAM	3	24	22.83	23.29	22.85	23	2		
1.4	SSBQAM	1	0	19.72	19.73	19.73				
1.4	SSBQAM	1	3	19.71	19.69	19.61				
1.4	SSBQAM	1	6	19.77	19.65	19.75	20	5		
1.4	SSBQAM	1	9	19.68	19.65	19.65				
1.4	SSBQAM	1	12	19.59	19.63	19.56				
1.4	SSBQAM	3	3	19.42	19.51	19.46	20	5		

Band 19_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)	MFR (dB)	Ch Delta +0.5			
Channel												
24075												
Frequency (MHz)												
15	QPSK	1	0	20.20	20.20	20.20	20.6	0	0.07			
15	QPSK	1	37	20.19	20.19	20.19						
15	QPSK	1	74	20.18	20.18	20.18						
15	QPSK	36	0	20.18	20.18	20.18	20.6	0	0.12			
15	QPSK	36	20	20.12	20.12	20.12						
15	QPSK	36	39	20.15	20.15	20.15						
15	QPSK	75	0	20.08	20.08	20.08	20.6	0	0.11			
15	QPSK	1	0	20.17	20.17	20.17						
15	QPSK	1	37	20.18	20.18	20.18						
15	QPSK	1	74	20.15	20.15	20.15	20.6	0	0.11			
15	QPSK	36	20	20.07	20.07	20.07						
15	QPSK	36	39	20.17	20.17	20.17						
15	QPSK	75	0	20.06	20.06	20.06	20.6	0	0.05			
15	QPSK	1	37	20.14	20.14	20.14						
15	QPSK	1	74	20.13	20.13	20.13						
15	QPSK	36	0	20.15	20.15	20.15	20.6	0	0.03			
15	QPSK	36	20	20.10	20.10	20.10						
15	QPSK	36	39	20.10	20.10	20.10						
15	QPSK	75	0	20.10	20.10	20.10	19.6	1	0.00			
15	QPSK	1	0	19.47	19.47	19.47						
15	QPSK	1	37	19.47	19.47	19.47						
15	QPSK	1	74	19.44	19.44	19.44						
15	QPSK	36	20	19.39	19.39	19.39						
15	QPSK	36	39	19.42	19.42	19.42						
15	QPSK	75	0	19.41	19.41	19.41						
Channel												
24055												
24075												
24143												
Turn-up time (min)												
MFR (dB)												
Ch Delta +0.5												
Frequency (MHz)												
10	QPSK	1	0	20.18	20.07	20.16	20.6	0	0.16			
10	QPSK	1	25	20.08	20.17	20.16						
10	QPSK	1	50	20.09	20.10	20.13						
10	QPSK	1	49	20.07	20.01	20.10	20.6	0	0.16			
10	QPSK	25	0	20.09	20.10	20.13						
10	QPSK	25	12	20.03	20.11	20.07						
10	QPSK	25	25	20.04	20.02	20.05	20.6	0	0.23			
10	QPSK	50	0	19.98	20.01	19.98						
10	QPSK	1	0	20.16	20.11	20.05						
10	QPSK	1	37	20.08	20.10	20.13	20.6	0	0.19			
10	QPSK	25	0	20.03	20.05	20.07						
10	QPSK	25	12	20.04	20.02	20.05						
10	QPSK	25	25	20.13	20.02	20.05	20.6	0	0.15			
10	QPSK	50	0	19.97	20.02	20.07						
10	QPSK	1	0	19.26	19.26	19.27						
10	QPSK	1	25	19.32	19.25	19.26	19.6	1	0.18			
10	QPSK	1	50	19.43	19.40	19.42						
10	QPSK	25	0	19.28	19.30	19.25						
10	QPSK	25	12	19.36	19.35	19.35	19.6	1	0.15			
10	QPSK	25	25	19.35	19.35	19.41						
10	QPSK	50	0	19.35	19.39	19.33						
Channel												
24055												
24075												
24215												
Turn-up time (min)												
MFR (dB)												
Ch Delta +0.5												
Frequency (MHz)												
5	QPSK	1	0	20.11	20.08	20.19	20.6	0	0.16			
5	QPSK	1	12	20.11	20.05	20.13						
5	QPSK	1	24	20.03	20.10	20.07						
5	QPSK	12	0	20.08	20.10	20.11	20.6	0	0.20			
5	QPSK	12	7	20.08	20.04	20.05						
5	QPSK	12	14	20.08	20.07	20.07						
5	QPSK	25	0	19.96	19.99	20.01	20.6	0	0.22			
5	QPSK	1	0	20.16	20.11	20.05						
5	QPSK	1	37	20.08	20.10	20.13						
5	QPSK	1	24	20.01	19.94	19.99	20.6	0	0.19			
5	QPSK	12	0	20.09	20.13	20.11						
5	QPSK	12	7	19.97	19.97	20.05						
5	QPSK	12	13	20.07	20.09	20.16	20.6	0	0.17			
5	QPSK	25	0	20.02	20.05	20.01						
5	QPSK	25	12	19.99	19.99	20.04						
5	QPSK	1	0	19.99	19.95	20.04	20.6	0	0.15			
5	QPSK	1	12	20.12	20.03	19.98						
5	QPSK	1	24	20.11	20.03	19.98						
5	QPSK	12	0	20.09	20.09	20.07	20.6	0	0.18			
5	QPSK	12	7	20.03	20.11	19.99						
5	QPSK	12	13	20.12	20.05	20.05						
5	QPSK	25	0	19.97	20.09	19.99	19.6	1	0.08			
5	QPSK	1	0	19.29	19.29	19.27						
5	QPSK	1	12	19.37	19.36	19.30						
5	QPSK	1	24	19.36	19.36	19.32	19.6	1	0.18			
5	QPSK	12	7	19.30	19.30	19.44						
5	QPSK	12	13	19.30	19.36	19.30						
5	QPSK	25	0	19.37	19.28	19.37	19.6	1	0.16			
5	QPSK	1	0	19.37	19.37	19.29						
5	QPSK	1	37	19.37	19.37	19.29						
Channel												
24055												
24075												
24413												
Turn-up time (min)												
MFR (dB)												
Ch Delta +0.5												
Frequency (MHz)												
3	QPSK	1	0	20.18	20.10	20.19	20.6	0	0.17			
3	QPSK	1	8	20.15	20.08	20.11						
3	QPSK	1	16	20.04	20.02	20.03						
3	QPSK	8	0	20.11	20.07	20.03	20.6	0	0.21			
3	QPSK	8	4	20.11	19.99	20.09						
3	QPSK	8	12	20.10	20.11	20.02						
3	QPSK	16	0	19.93	20.02	20.05	20.6	0	0.23			
3	QPSK	1	0	20.13	20.04	20.11						
3	QPSK	1	8	20.09	20.17	20.04						
3	QPSK	1	14	19.94	19.99	20.02	20.6	0	0.23			
3	QPSK	8	0	20.10	20.12	20.13						
3	QPSK	8	4	19.97	19.98	20.05						
3	QPSK	8	7	20.12	20.14	20.12	20.6	0	0.14			
3	QPSK	15	0	19.93	19.97	20.04						
3	QPSK	1	0	20.03	20.02	20.02						
3	QPSK	1	8	20.13	20.01	20.09	20.6	0	0.10			
3	QPSK	1	14	20.07	19.99	20.02						
3	QPSK	8	0	20.02	20.10	20.09						
3	QPSK	8	4	20.01	20.11	20.10	19.6	1	0.13			
3	QPSK	1	0	19.28	19.27	19.27						
3	QPSK	1	8	19.30	19.34	19.31						
3	QPSK	1	14	19.40	19.37	19.36	19.6	1	0.16			
3	QPSK	8	0	19.32	19.25	19.36						
3	QPSK	8	7	19.37	19.41	19.30						
3	QPSK	15	0	19.36	19.37	19.29	19.6	1	0.00			
3	QPSK	1	0	19.36	19.37	19.29						
3	QPSK	1	8	19.36	19.37	19.29						
Channel												
24007												
24075												
24143												
Turn-up time (min)												
MFR (dB)												
Ch Delta +0.5												
Frequency (MHz)												
1.4	QPSK	1	0	20.18	20.14	20.09	20.6	0	0.20			
1.4	QPSK	1	3	20.07	20.08	20.17						
1.4	QPSK	1	6	20.02	20.04	19.98	20.6	0	0.20			
1.4	QPSK	3	0	20.06	20.12	20.05						
1.4	QPSK	3	3	20.07	20.06	20.07						
1.4	QPSK	3	6	20.11	20.11	20.09	20.6	0	0.05			
1.4	QPSK	1	0	20.09	20.10	20.16						
1.4	QPSK	1	3	20.07	20.16	20.10						
1.4	QPSK	3	0	20.06	20.07	20.07	20.6	0	0.23			
1.4	QPSK	3	3	20.08	20.11	20.13						
1.4	QPSK	3	6	19.98	20.08	19.83						
1.4	QPSK	3	9	19.98	19.93	19.93	20.6	0	0.04			
1.4	QPSK	3	12	19.93	19.93	19.97						
1.4	QPSK	1	0	19.99	20.05	20.05						
1.4	QPSK	1	3	20.07	20.10	20.07	20.6	0	0.15			
1.4	QPSK	1	6	20.03	20.14	20.04						
1.4	QPSK	1	9	20.02	20.02	20.02						
1.4	QPSK	3	0	20.02	20.09	20.05	20.6	0	0.00			
1.4	QPSK	3	3	20.03	20.29	20.30						
1.4	QPSK	3	6	19.33	19.29	19.30						
1.4	QPSK	1	6	19.33	19.39	19.29	19.6	1	0.12			
1.4	QPSK	1	9	19.34	19.31	19.31						
1.4	QPSK	3	0	19.32	19.30	19.34						
1.4	QPSK	3	3	19.39	19.28	19.34	19.6	1	0.00			
1.4	QPSK	3	6	19.36	19.36	19.36						
1.4	QPSK	3	9	19.36	19.36	19.36						

Band 66_Ant 5											
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up (min)	Turn-off (min)	MPR (dB)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.70	20.70	13072	13072				
20	QPSK	1	49	20.90	20.90	20.90	20.90	22	0		
20	QPSK	1	89	20.91	20.92	20.98					
20	QPSK	50	0	20.91	20.91	20.91	20.91				
20	QPSK	50	24	20.93	20.93	20.98					
20	QPSK	50	60	20.95	20.91	20.98					
20	QPSK	50	96	20.96	20.91	20.98					
20	16QAM	1	0	20.91	20.90	20.98					
20	16QAM	1	49	20.88	20.88	20.98	22	0			
20	16QAM	50	0	20.91	20.90	20.98					
20	16QAM	50	0	20.97	20.98	20.98					
20	16QAM	50	24	20.90	20.92	20.98					
20	16QAM	50	60	20.92	20.90	20.98	22	0			
20	16QAM	50	96	20.93	20.90	20.98					
20	16QAM	100	0	20.93	20.90	20.98					
20	16QAM	1	0	20.97	20.99	20.98					
20	16QAM	1	49	20.94	20.94	20.98	22	0			
20	16QAM	1	89	20.94	20.94	20.98					
20	16QAM	50	0	20.96	20.97	20.98					
20	16QAM	50	24	20.96	20.97	20.98					
20	16QAM	50	60	20.96	20.94	20.97	22	0			
20	16QAM	50	96	20.96	20.94	20.97					
20	16QAM	100	0	20.87	20.88	20.87					
20	16QAM	1	0	20.97	20.97	20.97	19.12	19.98			
20	16QAM	1	49	19.09	19.11	19.02					
20	16QAM	1	89	19.21	19.18	19.08					
20	16QAM	50	0	20.97	20.97	20.97	20.94	19.99	20.94		
20	16QAM	50	24	19.15	19.08	18.84					
20	16QAM	50	60	19.25	19.08	18.84					
20	16QAM	50	96	18.89	18.94	18.77					
20	16QAM	100	0	19.07	18.97	18.77					
Channel											
Frequency (MHz)											
10	QPSK	1	0	17.72	17.68	17725					
10	QPSK	1	37	20.87	20.87	20.74	22	0			
10	QPSK	1	74	20.88	20.88	20.88					
10	QPSK	38	0	20.87	20.87	20.74					
10	QPSK	38	20	20.89	20.87	20.74					
10	QPSK	38	59	20.87	20.87	20.76	22	0			
10	16QAM	1	0	20.87	20.87	20.74					
10	16QAM	1	37	20.82	20.74	20.62					
10	16QAM	38	0	20.87	20.87	20.74					
10	16QAM	38	20	20.91	20.87	20.74					
10	16QAM	38	59	20.89	20.88	20.83	22	0			
10	16QAM	75	0	20.83	20.89	20.78					
10	16QAM	1	0	20.85	20.90	20.78					
10	16QAM	1	37	20.85	20.85	20.78	22	0			
10	16QAM	1	74	20.89	20.87	20.80					
10	16QAM	38	0	20.92	20.76	20.79					
10	16QAM	38	20	20.91	20.87	20.79					
10	16QAM	38	59	20.88	20.88	20.78	22	0			
10	16QAM	75	0	20.78	20.83	20.81					
10	16QAM	1	0	20.84	20.94	20.89					
10	16QAM	1	37	19.08	19.07	18.94					
10	16QAM	1	74	19.12	19.08	18.96					
10	16QAM	38	0	20.85	20.85	20.84	20	2			
10	16QAM	38	20	18.82	18.84	18.73					
10	16QAM	38	59	18.89	18.96	18.83					
10	16QAM	75	0	18.88	18.99	18.78					
Channel											
Frequency (MHz)											
10	QPSK	1	0	19.09	19.09	13092	13092				
10	QPSK	1	37	20.75	20.74	20.74					
10	QPSK	1	74	20.77	20.85	20.78	22	0			
10	QPSK	1	111	20.81	20.81	20.84					
10	QPSK	25	12	20.91	20.79	20.87					
10	QPSK	25	25	20.87	20.85	20.87					
10	QPSK	25	37	20.87	20.85	20.87					
10	16QAM	1	0	20.82	20.88	20.79	22	0			
10	16QAM	1	25	20.78	20.85	20.84					
10	16QAM	25	0	20.96	20.91	20.82					
10	16QAM	25	12	20.88	20.90	20.86	22	0			
10	16QAM	25	25	20.89	20.89	20.86					
10	16QAM	50	0	20.82	20.87	20.80					
10	16QAM	1	0	20.85	20.96	20.83					
10	16QAM	1	25	20.85	20.85	20.83	22	0			
10	16QAM	1	49	20.88	20.85	20.74					
10	16QAM	25	0	20.83	20.76	20.78					
10	16QAM	25	12	20.87	20.78	20.78					
10	16QAM	25	25	20.85	20.82	20.83					
10	16QAM	50	0	20.82	20.78	20.80					
10	16QAM	50	12	19.04	19.03	18.93					
10	16QAM	1	25	18.96	18.96	18.91					
10	16QAM	1	49	19.19	19.13	18.99					
10	16QAM	25	0	20.83	20.83	20.80	22	0			
10	16QAM	25	12	18.96	18.94	18.77					
10	16QAM	25	25	18.88	18.83	18.75					
10	16QAM	50	0	18.93	18.93	18.79	20	2			
Channel											
Frequency (MHz)											
3	QPSK	1	0	17.72	17.68	17725					
3	QPSK	1	12	20.80	20.80	20.84	22	0			
3	QPSK	1	24	20.77	20.80	20.87					
3	QPSK	1	36	20.78	20.78	20.84					
3	QPSK	12	7	20.89	20.80	20.80	22	0			
3	QPSK	12	13	20.84	20.88	20.82					
3	QPSK	12	25	20.84	20.88	20.82					
3	16QAM	1	0	20.86	20.79	20.77					
3	16QAM	1	12	20.86	20.79	20.81	22	0			
3	16QAM	12	7	20.85	20.79	20.84					
3	16QAM	12	13	20.87	20.80	20.81	22	0			
3	16QAM	25	0	20.78	20.95	20.88					
3	16QAM	1	0	20.84	20.89	20.88					
3	16QAM	1	12	20.87	20.82	20.80	22	0			
3	16QAM	12	7	20.87	20.84	20.78					
3	16QAM	12	13	20.88	20.83	20.84					
3	16QAM	25	0	20.72	20.79	20.79					
3	16QAM	1	0	20.83	20.83	20.80	22	0			
3	16QAM	1	12	19.08	19.10	18.94					
3	16QAM	1	24	19.08	19.08	19.03					
3	16QAM	12	7	20.87	20.87	20.80	22	0			
3	16QAM	12	7	18.81	18.83	18.78					
3	16QAM	12	13	18.87	18.88	18.74	20	2			
Channel											
Frequency (MHz)											
3	QPSK	1	0	19.19	19.19	13092	13092				
3	QPSK	1	14	20.85	20.85	20.84	22	0			
3	QPSK	1	28	20.78	20.91	20.78					
3	QPSK	1	42	20.85	20.78	20.84					
3	QPSK	8	4	20.94	20.84	20.84	22	0			
3	QPSK	8	4	20.79	20.73	20.79					
3	QPSK	8	4	20.84	20.78	20.85					
3	16QAM	1	0	20.79	20.88	20.71					
3	16QAM	1	8	20.73	20.82	20.85	22	0			
3	16QAM	8	4	20.84	20.84	20.84					
3	16QAM	8	4	20.87	20.84	20.82					
3	16QAM	8	4	20.75	20.84	20.84					
3	16QAM	16	0	20.82	20.97	20.83					
3	16QAM	1	0	20.84	20.84	20.75	22	0			
3	16QAM	8	4	20.85	20.85	20.85					
3	16QAM	14	0	20.84	20.87	20.84					
3	16QAM	8	0	20.90	20.90	20.79					
3	16QAM	8	4	20.79	20.79	20.79	22	0			
3	16QAM	8	7	20.84	20.87	20.82					
3	16QAM	16	0	20.85	20.72	20.83					
3	16QAM	1	0	20.85	20.85	20.85					
3	16QAM	1	8	19.05	19.05	18.94					
3	16QAM	1	14	19.08	19.08	18.93					
3	16QAM	8	0	20.85	20.85	20.85	20	2			
3	16QAM	8	4	18.80	18.85	18.81					
3	16QAM	8	7	18.78	18.87	18.80					
3	16QAM	16	0	18.85	18.85	18.80					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	17.72	17.68	17725					
1.4	QPSK	1	3	20.81	20.81	20.81	22	0			
1.4	QPSK	1	6	20.77	20.91	20.91					
1.4	QPSK	1	9	20.90	20.90	20.90					
1.4	QPSK	3	1	20.81	20.79	20.80					
1.4	QPSK	3	3	20.80	20.77	20.85	22	0			
1.4	16QAM	1	0	20.84	20.84	20.84					
1.4	16QAM	1	0	20.86	20.90	20.72					
1.4	16QAM	3	3	20.85	20.85	20.90					
1.4	16QAM	3	3	20.92	20.92	20.92	22	0</			

Band 66_Ant 7										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up Int. (sec)	MPE (dB)		
Channel				15307.2	15222.2	15272.2				
Frequency (MHz)				1710	1765	1775				
20	QPSK	1	0	21.37	21.41	21.58	22.1	0		
20	QPSK	1	49	21.30	21.34	21.22				
20	QPSK	1	99	21.24	21.35	21.21				
20	QPSK	50	0	21.03	21.11	21.05	22.1	0		
20	QPSK	50	24	20.70	20.84	20.76				
20	QPSK	50	50	20.76	20.87	20.75				
20	16QAM	1	0	21.05	21.15	21.05	22.1	0		
20	16QAM	1	49	20.99	21.13	21.07				
20	16QAM	1	99	21.10	21.12	21.09				
20	16QAM	50	0	20.36	20.42	20.39	21.1	1		
20	16QAM	50	24	20.22	20.31	20.19				
20	16QAM	50	50	20.34	20.43	20.42				
20	16QAM	100	0	20.24	20.37	20.36	21.1	1		
20	16QAM	1	0	19.95	20.09	19.97				
20	16QAM	1	49	19.93	20.08	20.03				
20	16QAM	50	0	19.35	19.42	19.35	20.1	2		
20	16QAM	50	24	19.28	19.39	19.29				
20	16QAM	50	50	19.22	19.33	19.19				
20	16QAM	100	0	19.37	19.42	19.29	17.1	5		
20	256QAM	1	0	16.32	16.45	16.41				
20	256QAM	1	49	16.44	16.48	16.38				
20	256QAM	50	0	16.38	16.47	16.38	17.1	5		
20	256QAM	50	24	16.39	16.45	16.44				
20	256QAM	50	50	16.39	16.43	16.39				
20	256QAM	100	0	16.33	16.42	16.34				
Channel				15307.2	15222.2	15272.2	Time-up Int. (sec)	MPE (dB)		
Frequency (MHz)				1717.5	1765	1775.5				
15	QPSK	1	0	21.34	21.27	21.27	22.1	0		
15	QPSK	1	37	21.12	21.30	21.17				
15	QPSK	1	74	21.17	21.24	21.25				
15	QPSK	36	0	20.89	21.10	21.08	22.1	0		
15	QPSK	36	20	20.69	20.71	20.69				
15	QPSK	36	36	20.66	20.73	20.61				
15	QPSK	75	0	20.86	21.01	20.98	22.1	0		
15	16QAM	1	0	20.96	21.01	20.91				
15	16QAM	1	37	20.95	21.11	21.02				
15	16QAM	1	74	20.98	21.11	21.09	21.1	1		
15	16QAM	36	0	20.31	20.40	20.32				
15	16QAM	36	20	20.15	20.22	20.06				
15	16QAM	36	36	20.24	20.53	20.29	21.1	1		
15	16QAM	75	0	20.15	20.33	20.34				
15	16QAM	1	0	19.87	20.06	19.89				
15	16QAM	1	37	19.81	19.91	19.87	21.1	1		
15	16QAM	1	74	19.83	19.94	19.89				
15	16QAM	36	0	19.30	19.31	19.29				
15	16QAM	36	20	19.13	19.25	19.15	20.1	2		
15	16QAM	75	0	19.19	19.29	19.05				
15	16QAM	1	0	19.32	19.37	19.21				
15	256QAM	1	0	16.17	16.36	16.30	17.1	5		
15	256QAM	1	37	16.34	16.39	16.28				
15	256QAM	1	74	16.34	16.41	16.35				
15	256QAM	36	0	16.42	16.37	16.38	17.1	5		
15	256QAM	36	20	16.38	16.36	16.21				
15	256QAM	36	36	16.26	16.37	16.34				
15	256QAM	75	0	16.21	16.31	16.33				
Channel				15307.2	15222.2	15272.2	Time-up Int. (sec)	MPE (dB)		
Frequency (MHz)				1715	1765	1775.5				
10	QPSK	1	0	21.34	21.27	21.27	22.1	0		
10	QPSK	1	25	21.16	21.31	21.18				
10	QPSK	1	49	21.17	21.28	21.25				
10	QPSK	25	0	20.96	21.10	21.03	22.1	0		
10	QPSK	25	12	20.61	20.73	20.67				
10	QPSK	25	24	20.69	20.74	20.65				
10	QPSK	50	0	20.84	20.93	20.91	22.1	0		
10	16QAM	1	0	20.90	21.05	21.04				
10	16QAM	1	25	20.86	21.12	20.98				
10	16QAM	1	49	20.97	21.02	21.08	21.1	1		
10	16QAM	25	0	20.27	20.38	20.26				
10	16QAM	25	12	20.17	20.20	20.07				
10	16QAM	25	25	20.25	20.38	20.35	21.1	1		
10	16QAM	50	0	20.15	20.25	20.21				
10	16QAM	1	0	19.92	20.02	19.95				
10	16QAM	1	25	19.89	19.91	19.91	21.1	1		
10	16QAM	1	49	19.85	19.99	19.85				
10	16QAM	25	0	19.22	19.39	19.31				
10	16QAM	25	12	19.16	19.27	19.22	20.1	2		
10	16QAM	25	25	19.17	19.23	19.05				
10	16QAM	50	0	19.26	19.37	19.25				
10	256QAM	1	0	16.28	16.36	16.28	17.1	5		
10	256QAM	1	25	16.30	16.36	16.24				
10	256QAM	1	49	16.25	16.36	16.34				
10	256QAM	25	0	16.37	16.43	16.30	17.1	5		
10	256QAM	25	12	16.24	16.35	16.29				
10	256QAM	25	25	16.34	16.42	16.35				
10	256QAM	50	0	16.24	16.37	16.28				
Channel				15307.2	15222.2	15272.2	Time-up Int. (sec)	MPE (dB)		
Frequency (MHz)				1712.5	1765	1775.5				
5	QPSK	1	0	21.25	21.31	21.25	22.1	0		
5	QPSK	1	12	21.15	21.27	21.14				
5	QPSK	1	24	21.17	21.28	21.21				
5	QPSK	12	0	20.89	21.01	21.01	22.1	0		
5	QPSK	12	7	20.59	20.71	20.62				
5	QPSK	12	14	20.73	20.76	20.74				
5	QPSK	25	0	20.89	21.01	20.84	22.1	0		
5	16QAM	1	0	20.98	21.07	20.93				
5	16QAM	1	12	20.95	21.04	21.03				
5	16QAM	1	24	20.98	20.99	21.02	21.1	1		
5	16QAM	12	0	20.26	20.38	20.26				
5	16QAM	12	7	20.21	20.30	20.15				
5	16QAM	12	14	20.23	20.38	20.40	21.1	1		
5	16QAM	25	0	20.15	20.22	20.28				
5	16QAM	1	0	19.93	19.99	19.82				
5	16QAM	1	12	19.83	20.04	19.89	21.1	1		
5	16QAM	1	24	19.87	19.91	19.85				
5	16QAM	12	0	19.26	19.36	19.28				
5	16QAM	12	7	19.20	19.28	19.23	20.1	2		
5	16QAM	12	14	19.22	19.38	19.27				
5	16QAM	25	0	19.27	19.30	19.27				
5	256QAM	1	0	16.28	16.36	16.28	17.1	5		
5	256QAM	1	12	16.30	16.36	16.24				
5	256QAM	1	24	16.25	16.36	16.34				
5	256QAM	25	0	16.37	16.43	16.27	17.1	5		
5	256QAM	25	12	16.24	16.35	16.29				
5	256QAM	25	25	16.34	16.42	16.35				
5	256QAM	50	0	16.24	16.37	16.28				
Channel				15307.2	15222.2	15272.2	Time-up Int. (sec)	MPE (dB)		
Frequency (MHz)				1715.5	1765	1775.5				
1.4	QPSK	1	0	21.23	21.30	21.21	22.1	0		
1.4	QPSK	1	0	21.23	21.30	21.21				
1.4	QPSK	1	14	21.21	21.29	21.17				
1.4	QPSK	8	0	20.94	20.98	20.87	22.1	0		
1.4	QPSK	8	0	20.94	20.98	20.87				
1.4	QPSK	8	7	20.74	20.82	20.67				
1.4	QPSK	15	0	20.91	21.02	20.92	22.1	0		
1.4	16QAM	1	0	20.91	21.02	20.92				
1.4	16QAM	1	0	20.91	21.02	20.92				
1.4	16QAM	1	3	20.92	21.08	20.94	22.1	0		
1.4	16QAM	1	6	20.97	21.06	21.01				
1.4	16QAM	1	9	20.97	21.06	21.01				
1.4	16QAM	3	1	20.88	20.95	20.79	21.1	1		
1.4	16QAM	3	4	20.84	20.97	20.87				
1.4	16QAM	3	7	20.80	20.95	20.85				
1.4	16QAM	6	0	20.70	20.82	20.70	21.1	1		
1.4	16QAM	6	3	20.65	20.82	20.70				
1.4	16QAM	6	6	20.61	20.82	20.70				
1.4	16QAM	15	0	20.70	20.82	20.70	21.1	1		
1.4	16QAM	15	3	20.65	20.82	20.70				
1.4	16QAM	15	6	20.61	20.82	20.70				
1.4	16QAM	30	0	20.50	20.72	20.59	21.1	1		
1.4	16QAM	30	3	20.45	20.72	20.59				
1.4	16QAM	30	6	20.40	20.72	20.59				
1.4	16QAM	60	0	20.30	20.62	20.65	21.1	1		
1.4	16QAM	60	3	20.25	20.62	20.65				
1.4	16QAM	60	6	20.20	20.62	20.65				
1.4	16QAM	120	0	20.10	20.52	20.59	21.1	1		
1.4	16QAM	120	3	20.05	20.52	20.59				
1.4	16QAM	120	6	20.00	20.52	20.59				
1.4	16QAM	240	0	19.90	20.48	20.59	21.1	1		
1.4	16QAM	240	3	19.85	20.48	20.59				
1.4	16QAM	240	6	19.80	20.48	20.59				
1.4	16QAM	480	0	19.70	20.44	20.59	20.1	2		
1.4	16QAM	480	3	19.65	20.44	20.59				
1.4	16QAM	480	6	19.60	20.44	20.59				
1.4	16QAM	960	0	19.50	20.40	20.59	17.1	5		
1.4	16QAM	960	3	19.45	20.40	20.59				
1.4	16QAM	960	6	19.40	20.40	20.59				
1.4	256QAM	1	0	16.28	16.43	16.35	17.1	5		
1.4	256QAM	1	15	16.29	16.43	16.35				
1.4	256QAM	1								

Band 38_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.13	22.11	22.00	22.7	0		
20	QPSK	1	49	22.07	22.11	21.92				
20	QPSK	50	0	22.05	22.10	21.91				
20	QPSK	50	24	21.96	22.03	21.90				
20	QPSK	50	50	22.00	22.03	21.88				
20	QPSK	100	0	22.00	22.03	21.93	22.7	0		
20	16QAM	1	0	22.03	21.99	21.84				
20	16QAM	1	49	22.04	22.02	21.81				
20	16QAM	1	99	21.98	22.00	21.82				
20	16QAM	50	0	21.94	22.06	21.77				
20	16QAM	50	24	21.97	21.95	21.84	22.7	0		
20	16QAM	50	50	21.99	22.08	21.78				
20	16QAM	100	0	22.04	22.07	21.84				
20	64QAM	1	0	22.03	22.09	21.89				
20	64QAM	1	49	22.04	22.08	21.78				
20	64QAM	1	99	22.04	22.08	21.77	22.7	0		
20	64QAM	50	0	21.98	22.09	21.81				
20	64QAM	50	24	21.92	22.04	21.81				
20	64QAM	50	50	21.94	21.97	21.84				
20	256QAM	1	0	19.41	19.46	19.41				
20	256QAM	1	49	19.36	19.48	19.36	20	2.7		
20	256QAM	1	99	19.42	19.46	19.39				
20	256QAM	50	0	19.64	19.74	19.62				
20	256QAM	50	24	19.50	19.63	19.54				
20	256QAM	50	50	19.65	19.76	19.63				
20	256QAM	100	0	19.72	19.62	19.63				
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2587.5	2595	2612.5				
15	QPSK	1	0	22.04	22.09	21.98	22.7	0		
15	QPSK	1	37	21.99	21.96	21.89				
15	QPSK	1	74	21.99	22.02	21.77				
15	QPSK	36	0	21.96	22.06	21.80				
15	QPSK	36	20	21.89	21.97	21.85				
15	QPSK	36	39	21.86	22.00	21.73	22.7	0		
15	QPSK	75	0	21.94	21.88	21.85				
15	16QAM	1	0	21.89	21.96	21.69				
15	16QAM	1	37	21.93	22.01	21.68				
15	16QAM	1	74	21.95	21.87	21.70				
15	16QAM	36	0	21.83	21.91	21.73	22.7	0		
15	16QAM	36	20	21.93	21.87	21.83				
15	16QAM	36	39	21.88	22.07	21.71				
15	16QAM	75	0	21.93	21.95	21.83				
15	64QAM	1	0	21.99	22.03	21.83				
15	64QAM	1	37	21.83	21.89	21.79	22.7	0		
15	64QAM	1	74	22.01	21.95	21.76				
15	64QAM	36	0	21.90	22.04	21.68				
15	64QAM	36	20	21.86	22.03	21.75				
15	64QAM	36	39	21.81	21.87	21.75				
15	64QAM	75	0	21.86	22.03	21.71	20	2.7		
15	256QAM	1	0	19.32	19.40	19.29				
15	256QAM	1	37	19.32	19.33	19.35				
15	256QAM	1	74	19.38	19.41	19.26				
15	256QAM	36	0	19.27	19.41	19.61				
15	256QAM	36	20	19.46	19.62	19.52	20	2.7		
15	256QAM	36	39	19.54	19.69	19.59				
15	256QAM	75	0	19.60	19.59	19.60				
Channel										
Frequency (MHz)				3875	3895	3915	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.14	22.03	21.91	22.7	0		
10	QPSK	1	25	22.00	21.98	21.89				
10	QPSK	1	49	21.96	21.98	21.77				
10	QPSK	25	0	22.04	22.08	21.86				
10	QPSK	25	12	21.90	21.91	21.79				
10	QPSK	25	25	21.94	21.89	21.74	22.7	0		
10	QPSK	50	0	21.98	21.96	21.79				
10	16QAM	1	0	21.96	21.87	21.79				
10	16QAM	1	25	22.00	22.02	21.88				
10	16QAM	1	49	21.95	21.90	21.77				
10	16QAM	25	0	21.92	22.05	21.69	22.7	0		
10	16QAM	25	12	21.89	21.84	21.76				
10	16QAM	25	25	21.85	22.03	21.63				
10	16QAM	50	0	22.01	22.00	21.82				
10	16QAM	50	0	21.91	22.04	21.76				
10	64QAM	1	25	21.85	21.90	21.74	22.7	0		
10	64QAM	1	49	22.03	21.97	21.72				
10	64QAM	25	0	21.90	21.95	21.68				
10	64QAM	25	12	21.85	21.91	21.79				
10	64QAM	25	25	21.87	21.85	21.83				
10	64QAM	50	0	21.99	22.00	21.64	20	2.7		
10	256QAM	1	0	19.35	19.37	19.27				
10	256QAM	1	25	19.34	19.33	19.24				
10	256QAM	1	49	19.27	19.44	19.35				
10	256QAM	25	0	19.51	19.63	19.47				
10	256QAM	25	12	19.40	19.58	19.48	20	2.7		
10	256QAM	25	25	19.53	19.72	19.61				
10	256QAM	50	0	19.63	19.61	19.62				
Channel										
Frequency (MHz)				3777.5	3800	3822.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.14	22.16	21.91	22.7	0		
5	QPSK	1	12	22.05	22.02	21.94				
5	QPSK	1	24	22.04	22.07	21.78				
5	QPSK	12	0	21.93	22.02	21.82				
5	QPSK	12	7	21.88	21.90	21.87				
5	QPSK	12	13	21.89	21.91	21.79	22.7	0		
5	QPSK	25	0	21.99	21.99	21.88				
5	16QAM	1	0	21.88	21.86	21.76				
5	16QAM	1	12	21.90	22.04	21.76				
5	16QAM	1	24	21.91	21.96	21.68				
5	16QAM	12	0	21.89	22.02	21.73	22.7	0		
5	16QAM	12	7	21.91	21.85	21.73				
5	16QAM	12	13	21.89	22.06	21.71				
5	16QAM	25	0	21.98	21.99	21.83				
5	64QAM	1	0	21.93	21.94	21.75				
5	64QAM	1	12	21.91	21.95	21.80	22.7	0		
5	64QAM	1	24	21.95	21.96	21.75				
5	64QAM	12	0	21.85	21.94	21.67				
5	64QAM	12	7	21.89	21.94	21.74				
5	64QAM	12	13	21.83	21.92	21.82				
5	64QAM	25	0	21.95	22.06	21.76	20	2.7		
5	256QAM	1	0	19.35	19.35	19.38				
5	256QAM	1	12	19.33	19.35	19.31	20	2.7		
5	256QAM	1	24	19.40	19.38	19.28				
5	256QAM	12	0	19.51	19.59	19.48				
5	256QAM	12	13	19.48	19.63	19.45				
5	256QAM	25	0	19.66	19.67	19.61				

Band 38_Ant 7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Middle Ch. (Frac)	Power High Ch. (Frac)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2560	2595	2610				
20	QPSK	1	0	20.78	20.82	20.74	21.3	0		
20	QPSK	1	49	20.53	20.62	20.47				
20	QPSK	1	99	20.53	20.62	20.47				
20	QPSK	50	0	20.45	20.56	20.46				
20	QPSK	50	24	20.23	20.37	20.26				
20	QPSK	50	50	20.28	20.38	20.28	21.3	0		
20	QPSK	100	0	20.42	20.47	20.39				
20	16QAM	1	0	20.27	20.34	20.33				
20	16QAM	1	49	20.28	20.41	20.40				
20	16QAM	1	99	20.29	20.37	20.23				
20	16QAM	50	0	19.72	19.77	19.62	20.3	1		
20	16QAM	50	24	19.67	19.76	19.69				
20	16QAM	50	50	19.61	19.69	19.62				
20	16QAM	100	0	19.72	19.82	19.80				
20	16QAM	1	0	18.76	18.87	18.76				
20	16QAM	1	49	18.75	18.90	18.85	20.3	1		
20	16QAM	1	99	18.84	18.90	18.84				
20	16QAM	50	0	18.56	18.69	18.55				
20	16QAM	50	24	18.66	18.75	18.68				
20	16QAM	50	50	18.73	18.81	18.72				
20	16QAM	100	0	18.67	18.79	18.72	19.3	2		
20	256QAM	1	0	15.62	15.69	15.56				
20	256QAM	1	49	15.52	15.67	15.62				
20	256QAM	1	99	15.60	15.73	15.72				
20	256QAM	50	0	15.87	15.87	15.87				
20	256QAM	50	24	15.81	15.87	15.83	16.3	5		
20	256QAM	50	50	15.86	15.88	15.73				
20	256QAM	100	0	15.75	15.90	15.80				
Channel										
Frequency (MHz)				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.82	20.85	20.79	21.3	0		
15	QPSK	1	37	20.68	20.71	20.73				
15	QPSK	1	74	20.40	20.61	20.45				
15	QPSK	36	0	20.34	20.41	20.35				
15	QPSK	36	20	20.11	20.36	20.20				
15	QPSK	36	39	20.16	20.32	20.17	21.3	0		
15	QPSK	75	0	20.29	20.45	20.28				
15	16QAM	1	0	20.25	20.29	20.29				
15	16QAM	1	37	20.24	20.31	20.36				
15	16QAM	1	74	20.17	20.28	20.22				
15	16QAM	36	0	19.58	19.64	19.55	20.3	1		
15	16QAM	36	20	19.52	19.73	19.64				
15	16QAM	36	39	19.59	19.60	19.60				
15	16QAM	75	0	19.67	19.72	19.79				
15	16QAM	1	0	18.68	18.76	18.72				
15	16QAM	1	37	18.61	18.81	18.75	20.3	1		
15	16QAM	1	74	18.70	18.87	18.73				
15	16QAM	36	0	18.42	18.54	18.40				
15	16QAM	36	20	18.66	18.61	18.56				
15	16QAM	36	39	18.65	18.72	18.59				
15	16QAM	75	0	18.59	18.72	18.68	19.3	2		
15	256QAM	1	0	15.50	15.68	15.53				
15	256QAM	1	37	15.39	15.53	15.56				
15	256QAM	1	74	15.51	15.71	15.70				
15	256QAM	36	0	15.72	15.82	15.76				
15	256QAM	36	20	15.74	15.78	15.73	16.3	5		
15	256QAM	36	39	15.85	15.78	15.62				
15	256QAM	75	0	15.64	15.83	15.78				
Channel										
Frequency (MHz)				37630	38000	38200	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.72	20.87	20.72	21.3	0		
10	QPSK	1	25	20.72	20.69	20.65				
10	QPSK	1	49	20.39	20.49	20.33				
10	QPSK	25	0	20.32	20.48	20.33				
10	QPSK	25	0	19.50	20.50	20.11				
10	QPSK	25	25	20.24	20.28	20.19	21.3	0		
10	QPSK	50	0	20.33	20.42	20.24				
10	16QAM	1	0	20.25	20.31	20.27				
10	16QAM	1	25	20.13	20.33	20.29				
10	16QAM	1	49	20.20	20.30	20.20				
10	16QAM	25	0	19.65	19.73	19.55	20.3	1		
10	16QAM	25	12	19.62	19.64	19.64				
10	16QAM	25	25	19.46	19.68	19.60				
10	16QAM	50	0	19.62	19.72	19.65				
10	16QAM	1	0	18.63	18.78	18.74				
10	16QAM	1	25	18.67	18.82	18.70	20.3	1		
10	16QAM	1	49	18.69	18.82	18.78				
10	16QAM	25	0	18.45	18.59	18.50				
10	16QAM	25	12	18.55	18.60	18.54				
10	16QAM	25	25	18.66	18.66	18.59				
10	16QAM	50	0	18.53	18.68	18.70	19.3	2		
10	256QAM	1	0	15.47	15.60	15.46				
10	256QAM	1	25	15.38	15.66	15.47				
10	256QAM	1	49	15.47	15.62	15.68				
10	256QAM	25	0	15.77	15.88	15.72				
10	256QAM	25	12	15.67	15.79	15.77	16.3	5		
10	256QAM	25	25	15.80	15.87	15.68				
10	256QAM	50	0	15.63	15.85	15.76				
Channel										
Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.75	20.87	20.76	21.3	0		
5	QPSK	1	12	20.67	20.67	20.69				
5	QPSK	1	24	20.49	20.52	20.42				
5	QPSK	12	0	20.41	20.50	20.41				
5	QPSK	12	7	20.20	20.29	20.25				
5	QPSK	12	13	20.20	20.36	20.23	21.3	0		
5	QPSK	25	0	20.40	20.39	20.30				
5	16QAM	1	0	20.16	20.27	20.26				
5	16QAM	1	12	20.19	20.35	20.39				
5	16QAM	1	24	20.22	20.24	20.18				
5	16QAM	12	0	19.63	19.71	19.55	20.3	1		
5	16QAM	12	7	19.59	19.67	19.61				
5	16QAM	12	13	19.60	19.50	19.54				
5	16QAM	25	0	19.70	19.72	19.76				
5	16QAM	1	0	18.62	18.81	18.65				
5	16QAM	1	12	18.69	18.84	18.77	20.3	1		
5	16QAM	1	24	18.73	18.89	18.82				
5	16QAM	12	0	18.41	18.64	18.52				
5	16QAM	12	7	18.51	18.70	18.56				
5	16QAM	12	13	18.59	18.69	18.62				
5	16QAM	25	0	18.62	18.73	18.61	19.3	2		
5	256QAM	1	0	15.61	15.68	15.50				
5	256QAM	1	12	15.44	15.62	15.52	16.3	5		
5	256QAM	1	24	15.59	15.59	15.58				
5	256QAM	12	0	15.76	15.85	15.76				
5	256QAM	12	7	15.66	15.72	15.61				
5	256QAM	12	13	15.71	15.86	15.71	16.3	5		
5	256QAM	25	0	15.70	15.85	15.71				
5	256QAM	25	12	15.80	15.88	15.69				
5	256QAM	25	25	15.70	15.85	15.71				

Band 41_Ant 6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid. Ch / Freq	Power Mid. Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.96	20.96	21.01	20.92	20.81	21.6	0		
20	QPSK	1	49	20.94	20.81	20.95	20.83	20.68				
20	QPSK	1	99	20.90	20.92	20.90	20.91	20.75				
20	QPSK	50	0	20.96	20.91	20.99	20.86	20.75				
20	QPSK	50	24	20.87	20.88	20.97	20.75	20.74				
20	QPSK	50	50	20.90	20.82	20.96	20.75	20.61	21.6	0		
20	QPSK	100	0	20.95	20.93	20.96	20.86	20.73				
20	16QAM	1	0	20.94	20.88	20.98	20.88	20.77				
20	16QAM	1	49	20.93	20.89	20.98	20.83	20.72				
20	16QAM	1	99	20.97	20.83	20.89	20.86	20.68				
20	16QAM	50	0	20.65	20.54	20.64	20.54	20.27	21.1	0.5		
20	16QAM	50	24	20.75	20.74	20.84	20.77	20.75				
20	16QAM	50	50	20.62	20.64	20.73	20.68	20.58				
20	16QAM	100	0	20.66	20.72	20.73	20.65	20.67				
20	64QAM	1	0	19.75	19.85	19.89	19.83	19.79				
20	64QAM	1	49	19.86	19.85	19.95	19.84	19.86	20.1	1.5		
20	64QAM	1	99	19.81	19.76	19.88	19.80	19.77				
20	64QAM	50	0	19.76	19.71	19.79	19.71	19.68				
20	64QAM	50	24	19.65	19.78	19.79	19.77	19.77				
20	64QAM	50	50	19.74	19.70	19.81	19.71	19.68				
20	64QAM	100	0	19.64	19.60	19.75	19.62	19.61	20.1	1.5		
20	256QAM	1	0	16.47	16.47	16.58	16.45	16.35				
20	256QAM	1	49	16.57	16.48	16.58	16.50	16.51				
20	256QAM	1	99	16.48	16.49	16.54	16.52	16.53				
20	256QAM	50	0	16.71	16.71	16.77	16.65	16.63				
20	256QAM	50	24	16.89	16.81	16.90	16.76	16.82	17.1	4.5		
20	256QAM	50	50	16.73	16.72	16.79	16.66	16.78				
20	256QAM	100	0	16.87	16.88	16.90	16.87	16.86				
Channel												
Frequency (MHz)				39725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.85	20.81	20.88	20.85	20.76	21.6	0		
15	QPSK	1	37	20.81	20.67	20.84	20.81	20.64				
15	QPSK	1	74	20.85	20.80	20.81	20.84	20.66				
15	QPSK	36	0	20.93	20.82	20.94	20.72	20.68				
15	QPSK	36	20	20.78	20.74	20.88	20.61	20.59				
15	QPSK	36	39	20.79	20.68	20.85	20.70	20.59	21.6	0		
15	QPSK	75	0	20.88	20.90	20.98	20.71	20.68				
15	16QAM	1	0	20.93	20.75	20.85	20.84	20.71				
15	16QAM	1	37	20.83	20.76	20.95	20.72	20.62				
15	16QAM	1	74	20.83	20.70	20.79	20.79	20.66				
15	16QAM	36	0	20.82	20.63	20.87	20.54	20.66	21.1	0.5		
15	16QAM	36	20	20.68	20.66	20.89	20.75	20.71				
15	16QAM	36	39	20.50	20.62	20.62	20.55	20.56				
15	16QAM	75	0	20.58	20.68	20.72	20.59	20.58				
15	64QAM	1	0	19.71	19.81	19.87	19.77	19.74				
15	64QAM	1	37	19.85	19.76	19.90	19.69	19.73	20.1	1.5		
15	64QAM	1	74	19.68	19.68	19.81	19.79	19.63				
15	64QAM	36	0	19.73	19.67	19.74	19.62	19.54				
15	64QAM	36	20	19.54	19.67	19.68	19.67	19.69				
15	64QAM	36	39	19.60	19.55	19.79	19.62	19.67				
15	64QAM	75	0	19.54	19.51	19.61	19.53	19.48	17.1	4.5		
15	256QAM	1	0	16.36	16.33	16.56	16.40	16.50				
15	256QAM	1	37	16.50	16.35	16.43	16.45	16.48				
15	256QAM	1	74	16.37	16.38	16.49	16.45	16.43				
15	256QAM	50	0	16.56	16.49	16.54	16.53	16.48				
15	256QAM	36	20	16.96	16.68	16.76	16.63	16.77	17.1	4.5		
15	256QAM	36	39	16.58	16.57	16.73	16.61	16.64				
15	256QAM	75	0	16.72	16.83	16.88	16.77	16.84				
Channel												
Frequency (MHz)				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.93	20.82	20.97	20.81	20.68	21.6	0		
10	QPSK	1	25	20.88	20.71	20.92	20.81	20.59				
10	QPSK	1	49	20.79	20.86	20.87	20.78	20.67				
10	QPSK	25	0	20.89	20.86	20.88	20.76	20.71				
10	QPSK	25	12	20.73	20.68	20.83	20.73	20.72				
10	QPSK	25	25	20.77	20.73	20.85	20.67	20.55	21.6	0		
10	QPSK	50	0	20.82	20.82	20.94	20.76	20.67				
10	16QAM	1	0	20.92	20.82	20.89	20.83	20.72				
10	16QAM	1	25	20.88	20.86	20.93	20.71	20.64				
10	16QAM	1	49	20.82	20.77	20.84	20.71	20.63				
10	16QAM	25	0	20.61	20.62	20.73	20.59	20.56	21.1	0.5		
10	16QAM	25	12	20.60	20.60	20.78	20.68	20.72				
10	16QAM	25	25	20.57	20.62	20.68	20.61	20.52				
10	16QAM	50	0	20.82	20.84	20.82	20.73	20.64				
10	64QAM	1	0	19.83	19.83	19.82	19.80	19.75				
10	64QAM	1	25	19.83	19.82	19.86	19.75	19.83	20.1	1.5		
10	64QAM	1	49	19.68	19.65	19.80	19.77	19.69				
10	64QAM	25	0	19.75	19.58	19.84	19.60	19.60				
10	64QAM	25	12	19.58	19.65	19.74	19.76	19.74				
10	64QAM	25	25	19.63	19.63	19.79	19.65	19.53				
10	64QAM	50	0	19.51	19.57	19.74	19.57	19.52	17.1	4.5		
10	256QAM	1	0	16.42	16.41	16.44	16.38	16.49				
10	256QAM	1	25	16.50	16.43	16.49	16.47	16.41				
10	256QAM	1	49	16.46	16.40	16.47	16.50	16.46				
10	256QAM	25	0	16.70	16.59	16.76	16.58	16.59				
10	256QAM	25	12	16.84	16.68	16.78	16.61	16.70	17.1	4.5		
10	256QAM	25	25	16.70	16.67	16.78	16.61	16.70				
10	256QAM	50	0	16.82	16.87	16.76	16.82	16.84				
Channel												
Frequency (MHz)				2688.5	2544.8	2593	2640.30	2687.5	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.85	20.80	20.90	20.86	20.77	21.6	0		
5	QPSK	1	12	20.83	20.80	20.91	20.68	20.65				
5	QPSK	1	24	20.86	20.82	20.86	20.89	20.73				
5	QPSK	12	0	20.86	20.90	20.91	20.81	20.62	21.6	0		
5	QPSK	12	7	20.79	20.79	20.91	20.65	20.60				
5	QPSK	12	13	20.80	20.90	20.95	20.70	20.56				
5	QPSK	25	0	20.82	20.91	20.85	20.84	20.68				
5	16QAM	1	0	20.84	20.74	20.85	20.80	20.64				
5	16QAM	1	12	20.85	20.83	20.83	20.75	20.63	21.6	0		
5	16QAM	1	24	20.84	20.69	20.85	20.71	20.63				
5	16QAM	12	0	20.53	20.58	20.62	20.61	20.64				
5	16QAM	12	7	20.60	20.63	20.62	20.75	20.74				
5	16QAM	12	13	20.59	20.59	20.60	20.71	20.62				
5	16QAM	25	0	20.52	20.66	20.65	20.63	20.62	21.1	0.5		
5	64QAM	1	0	19.79	19.88	19.79	19.74	19.78				
5	64QAM	1	12	19.85	19.76	19.84	19.69	19.85				
5	64QAM	1	24	19.74	19.74	19.83	19.79	19.82				
5	64QAM	12	0	19.66	19.70	19.79	19.74	19.68				
5	64QAM	12	7	19.52	19.73	19.75	19.71	19.63	20.1	1.5		
5	64QAM	12	13	19.69	19.64	19.74	19.67	19.64				
5	64QAM	25	0	19.54	19.48	19.67	19.57	19.46				
5	256QAM	1	0	16.41	16.39	16.55	16.31	16.45				
5	256QAM	1	12	16.45	16.32	16.40	16.37	16.37				
5	256QAM	1	24	16.46	16.37	16.50	16.48	16.46	17.1	4.5		
5	256QAM	12	0	16.67	16.70	16.67	16.53	16.49				
5	256QAM	12	7	16.67	16.78	16.79	16.66	16.69				
5	256QAM	12	13	16.67	16.69	16.69	16.67	16.67				
5	256QAM	25	0	16.73	16.81	16.85	16.74	16.71				

Band 41(HPUe)_Ant 11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39750	40165	40620	41065	41490				
20	QPSK	1	0	21.06	21.09	21.30	21.36.5	21.65	22.2	0		
20	QPSK	1	49	21.25	21.24	21.29	21.32	21.25				
20	QPSK	1	99	21.23	21.23	21.27	21.26	21.26				
20	QPSK	50	0	21.23	21.23	21.34	21.32	21.21				
20	QPSK	50	24	21.08	21.18	21.26	21.20	21.22				
20	QPSK	50	50	21.19	21.13	21.33	21.21	21.17	22.2	0		
20	QPSK	100	0	21.25	21.21	21.31	21.23	21.23				
20	16QAM	1	0	21.19	21.13	21.30	21.22	21.18				
20	16QAM	1	49	21.16	21.17	21.19	21.11	21.08				
20	16QAM	1	99	21.20	21.07	21.22	21.20	21.10				
20	16QAM	50	0	21.12	21.10	21.29	21.12	21.14	22.2	0		
20	16QAM	50	24	21.13	21.17	21.21	21.17	21.17				
20	16QAM	50	50	21.16	21.18	21.29	21.11	21.10				
20	16QAM	100	0	21.11	21.12	21.21	21.17	21.22				
20	64QAM	1	0	21.11	21.14	21.29	21.12	21.20				
20	64QAM	1	49	21.10	21.11	21.19	21.08	21.19	22.2	0		
20	64QAM	1	99	21.11	21.11	21.29	21.13	21.12				
20	64QAM	50	0	21.17	21.06	21.29	21.19	21.14				
20	64QAM	50	24	21.12	21.10	21.24	21.15	21.11				
20	64QAM	50	50	21.18	21.09	21.17	21.17	21.18				
20	64QAM	100	0	21.24	21.16	21.19	21.10	21.22	22.2	0		
20	256QAM	1	0	19.85	19.75	19.86	19.80	19.74				
20	256QAM	1	49	19.74	19.81	19.85	19.82	19.71				
20	256QAM	1	99	19.84	19.76	19.86	19.84	19.81				
20	256QAM	50	0	19.88	19.85	19.91	19.90	19.88				
20	256QAM	50	24	19.77	19.81	19.90	19.88	19.84	20.3	1.9		
20	256QAM	50	50	19.70	19.85	19.92	19.78	19.80				
20	256QAM	100	0	19.89	19.73	19.84	19.83	19.80				
Channel												
Frequency (MHz)				39725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.27	21.29	21.34	21.28	21.30	22.2	0		
15	QPSK	1	37	21.15	21.09	21.15	21.31	21.24				
15	QPSK	1	74	21.11	21.19	21.18	21.15	21.15				
15	QPSK	36	0	21.19	21.21	21.27	21.28	21.17				
15	QPSK	36	20	21.01	21.04	21.13	21.08	21.17				
15	QPSK	36	39	21.11	21.03	21.27	21.09	21.13	22.2	0		
15	QPSK	75	0	21.19	21.11	21.24	21.18	21.21				
15	16QAM	1	0	21.13	21.06	21.28	21.15	21.09				
15	16QAM	1	37	21.11	21.03	21.09	20.97	20.96				
15	16QAM	1	74	21.18	20.93	21.21	21.16	21.09				
15	16QAM	36	0	21.07	21.02	21.26	21.16	21.08	22.2	0		
15	16QAM	36	20	21.08	21.03	21.13	21.09	21.09				
15	16QAM	36	39	21.03	21.16	21.23	20.97	20.97				
15	16QAM	75	0	21.06	21.01	21.20	21.07	21.13				
15	64QAM	1	0	21.10	21.06	21.19	21.08	21.12				
15	64QAM	1	37	21.03	20.96	21.06	21.04	21.07	22.2	0		
15	64QAM	1	74	21.10	21.05	21.19	21.12	21.05				
15	64QAM	36	0	21.03	21.03	21.17	21.16	21.13				
15	64QAM	36	20	21.03	21.00	21.15	21.09	21.06				
15	64QAM	36	39	21.06	20.98	21.09	21.15	21.09				
15	64QAM	75	0	21.14	21.05	21.06	21.04	21.14	20.3	1.9		
15	256QAM	1	0	19.72	19.70	19.83	19.66	19.66				
15	256QAM	1	37	19.61	19.79	19.83	19.73	19.70				
15	256QAM	1	74	19.83	19.61	19.83	19.74	19.73				
15	256QAM	50	0	19.84	19.73	19.78	19.81	19.84				
15	256QAM	36	20	19.84	19.66	19.85	19.76	19.77	20.3	1.9		
15	256QAM	36	39	19.69	19.63	19.76	19.66	19.67				
15	256QAM	75	0	19.61	19.68	19.71	19.80	19.71				
Channel												
Frequency (MHz)				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	21.24	21.10	21.25	21.25	21.26	22.2	0		
10	QPSK	1	25	21.15	21.16	21.21	21.30	21.24				
10	QPSK	1	49	21.19	21.20	21.17	21.20	21.12				
10	QPSK	25	0	21.22	21.11	21.25	21.28	21.13				
10	QPSK	25	12	20.97	21.06	21.20	21.15	21.15				
10	QPSK	25	25	21.10	21.11	21.20	21.19	21.02	22.2	0		
10	QPSK	50	0	21.12	21.09	21.21	21.16	21.21				
10	16QAM	1	0	21.17	21.06	21.26	21.19	21.05				
10	16QAM	1	25	21.13	21.11	21.25	21.03	21.05				
10	16QAM	1	49	21.17	21.01	21.21	21.08	20.99				
10	16QAM	25	0	21.11	20.96	21.24	21.08	21.13	22.2	0		
10	16QAM	25	12	21.02	21.07	21.09	21.15	21.16				
10	16QAM	25	25	21.12	21.10	21.20	21.01	21.08				
10	16QAM	50	0	21.02	21.06	21.11	21.11	21.17				
10	64QAM	1	0	21.08	21.02	21.18	21.04	21.10				
10	64QAM	1	25	21.09	21.06	21.13	20.97	21.10	22.2	0		
10	64QAM	1	49	21.03	21.04	21.24	21.11	20.97				
10	64QAM	25	0	21.11	21.04	21.16	21.13	21.07				
10	64QAM	25	12	21.11	20.96	21.18	21.04	21.05				
10	64QAM	25	25	21.14	21.06	21.02	21.12	21.12				
10	64QAM	50	0	21.16	21.05	21.10	21.05	21.09	20.3	1.9		
10	256QAM	1	0	19.77	19.72	19.74	19.79	19.64				
10	256QAM	1	25	19.86	19.79	19.72	19.76	19.65				
10	256QAM	1	49	19.78	19.74	19.82	19.69	19.76				
10	256QAM	25	0	19.84	19.80	19.84	19.83	19.85				
10	256QAM	25	12	19.75	19.79	19.88	19.84	19.81	20.3	1.9		
10	256QAM	25	25	19.59	19.57	19.75	19.70	19.73				
10	256QAM	50	0	19.54	19.65	19.72	19.72	19.77				
Channel												
Frequency (MHz)				39675	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.23	21.19	21.23	21.20	21.32	22.2	0		
5	QPSK	1	12	21.10	21.15	21.24	21.30	21.12				
5	QPSK	1	24	21.22	21.11	21.19	21.11	21.17				
5	QPSK	12	0	21.22	21.12	21.25	21.17	21.24	22.2	0		
5	QPSK	12	7	21.05	21.17	21.22	21.15	21.07				
5	QPSK	12	13	21.15	21.08	21.27	21.18	21.16				
5	QPSK	25	0	21.15	21.18	21.30	21.20	21.17				
5	QPSK	25	12	21.10	21.02	21.20	21.09	21.09				
5	16QAM	1	0	21.13	21.11	21.16	21.10	21.03	22.2	0		
5	16QAM	1	24	21.14	20.97	21.17	21.12	21.06				
5	16QAM	12	0	20.97	20.98	21.23	21.05	21.10				
5	16QAM	12	7	21.04	21.08	21.19	21.05	21.08				
5	16QAM	12	13	21.07	21.06	21.17	21.07	21.08				
5	16QAM	25	0	21.06	21.01	21.10	21.15	21.11	22.2	0		
5	64QAM	1	0	20.97	21.08	21.16	21.06	21.19				
5	64QAM	1	12	21.01	20.98	21.26	21.07	21.10				
5	64QAM	12	0	21.14	21.03	21.23	21.10	21.09				
5	64QAM	12	7	21.01	21.04	21.13	21.08	21.07				
5	64QAM	12	13	21.04	20.97	21.13	21.06	21.17	22.2	0		
5	64QAM	25	0	21.12	21.12	21.17	21.06	21.20				
5	64QAM	25	12	21.11	21.03	21.19	21.07	21.12				
5	256QAM	1	12	19.59	19.70	19.81	19.71	19.81				
5	256QAM	1	24	19.80	19.61	19.75	19.81	19.67				
5	256QAM	12	0	19.83	19.76	19.88	19.77	19.73	20.3	1.9		
5	256QAM	12	7	19.78	19.78	19.85	19.78	19.79				
5	256QAM	12	13	19.64	19.54	19.71	19.72	19.65				
5	256QAM	25	0	19.54	19.71	19.82	19.80	19.69				

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	29.67	29.05	29.07	30.10	20.67	20.65	20.67	21.10	
GPRS 1 Tx slot	29.66	29.73	29.65	30.10	20.66	20.73	20.65	21.10	
GPRS 2 Tx slots	29.73	29.76	29.63	27.10	20.73	20.78	20.63	21.10	
GPRS 3 Tx slots	24.86	24.99	24.82	25.60	20.63	20.73	20.56	21.34	
GPRS 4 Tx slots	23.69	23.74	23.57	24.10	20.69	20.74	20.57	21.10	
EDGE(GMSK 1 Tx slot)	29.66	29.74	29.74	30.10	20.66	20.74	20.74	21.10	
EDGE(GMSK 2 Tx slot)	26.67	26.76	26.75	27.10	20.67	20.76	20.75	21.10	
EDGE(GMSK 3 Tx slot)	24.93	24.95	24.86	25.60	20.67	20.69	20.72	21.34	
EDGE(GMSK 4 Tx slot)	23.73	23.81	23.54	24.10	20.73	20.81	20.54	21.10	
EDGE 1 Tx slot	26.35	26.37	26.17	27.60	17.35	17.37	17.17	18.60	
EDGE 2 Tx slot	25.31	25.23	25.19	25.60	19.31	19.23	19.19	19.60	
EDGE 3 Tx slot	23.14	23.09	23.07	23.80	18.88	18.83	18.81	19.34	
EDGE 4 Tx slot	21.53	21.41	21.25	22.10	18.53	18.41	18.25	19.10	

Reduced Power Mode for ECI 5									
GSM900_Ant 1		Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
Tx Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.43	32.60	32.39	33.50	23.43	23.60	23.39	24.50	
GPRS 1 Tx slot	32.42	32.56	32.35	33.50	23.42	23.56	23.35	24.50	
GPRS 2 Tx slots	29.95	30.10	29.85	31.00	23.95	24.10	23.85	25.00	
GPRS 3 Tx slots	28.52	28.63	28.38	29.50	24.26	24.37	24.12	25.24	
GPRS 4 Tx slots	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00	
EDGE(GMSK 1 Tx slot)	32.41	32.57	32.33	33.50	23.41	23.57	23.33	24.50	
EDGE(GMSK 2 Tx slot)	29.95	30.08	29.84	31.00	23.95	24.08	23.84	25.00	
EDGE(GMSK 3 Tx slot)	28.52	28.62	28.37	29.50	24.26	24.36	24.11	25.24	
EDGE(GMSK 4 Tx slot)	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00	
EDGE 1 Tx slot	26.65	26.42	26.27	27.26	17.65	17.42	17.27	18.20	
EDGE 2 Tx slot	25.51	25.36	25.24	26.00	19.51	19.36	19.24	20.00	
EDGE 3 Tx slot	23.42	23.25	23.11	24.00	18.16	18.09	18.05	19.74	
EDGE 4 Tx slot	21.41	21.49	21.38	22.50	18.41	18.48	18.38	19.50	

GSM1900_Ant 5		Burst Average Power (dBm)				Frame Average Power (dBm)			
Tx Channel		512	661	810	Tune-up Limit (dBm)	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)		1860.2	1860	1860.8	(dBm)	1860.2	1860	1860.8	(dBm)
GSM 1 Tx slot	28.78	29.79	29.89	30.50		19.78	20.79	20.89	21.50
GPRS 1 Tx slot	28.72	29.77	29.86	30.50		19.72	20.77	20.86	21.50
GPRS 2 Tx slots	27.32	27.30	27.40	28.50		21.32	21.30	21.40	22.50
GPRS 3 Tx slots	25.76	25.71	25.82	26.50		21.50	21.45	21.56	22.74
GPRS 4 Tx slots	24.72	24.68	24.81	25.00		21.72	21.66	21.81	22.00
EDGE(GMSK 1 Tx slot)	28.59	29.74	29.80	30.50		19.59	20.74	20.80	21.50
EDGE(GMSK 2 Tx slot)	27.21	27.16	27.36	28.50		21.21	21.16	21.36	22.50
EDGE(GMSK 3 Tx slot)	25.69	25.65	25.72	26.50		21.43	21.39	21.46	22.24
EDGE(GMSK 4 Tx slot)	24.69	24.53	24.67	25.00		21.69	21.53	21.67	22.00
EDGE 1 Tx slot	25.41	25.73	25.74	26.50		16.41	16.73	16.74	17.50
EDGE 2 Tx slot	23.33	23.72	23.57	24.50		17.33	17.72	17.57	18.50
EDGE 3 Tx slot	21.19	21.42	21.40	22.50		16.93	17.16	17.14	18.24
EDGE 4 Tx slot	20.48	20.67	20.61	21.50		17.48	17.67	17.61	18.50

GSM1900_Ant 6		Burst Average Power (dBm)				Frame Average Power (dBm)			
Tx Channel		512	661	810	Tune-up Limit (dBm)	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)		1860.2	1860	1860.8		1860.2	1860	1860.8	
GSM 1 Tx slot	24.71	24.76	24.71	25.90	15.71	15.76	15.71	16.90	
GPRS 1 Tx slot	24.72	24.67	24.75	25.90	15.72	15.67	15.75	16.90	
GPRS 2 Tx slots	21.56	21.64	21.66	23.40	15.56	15.64	15.66	17.40	
GPRS 3 Tx slots	19.68	19.63	19.74	21.40	15.40	15.39	15.48	17.14	
GPRS 4 Tx slots	18.62	18.48	18.63	19.90	15.62	15.48	15.63	16.90	
EDGE(GMSK 1 Tx slot)	24.60	24.63	24.73	25.90	15.60	15.63	15.73	16.90	
EDGE(GMSK 2 Tx slot)	21.47	21.52	21.52	23.40	15.47	15.52	15.52	17.40	
EDGE(GMSK 3 Tx slot)	19.60	19.62	19.61	21.40	15.34	15.36	15.35	17.14	
EDGE(GMSK 4 Tx slot)	18.61	18.40	18.59	19.90	15.61	15.40	15.59	16.90	
EDGE 1 Tx slot	23.89	23.78	23.91	24.70	14.89	14.78	14.91	15.70	
EDGE 2 Tx slot	20.50	20.59	20.61	21.70	14.50	14.59	14.61	15.70	
EDGE 3 Tx slot	18.13	18.16	18.26	19.70	13.87	13.90	14.00	15.44	
EDGE 4 Tx slot	16.94	16.88	17.03	18.70	13.94	13.88	14.03	15.70	

Band		WCDMA IV_Ant 5			Tune-up Limit (dBm)	WCDMA IV_Ant 6			Tune-up Limit (dBm)
Tx Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1860	1907.6		1852.4	1860	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.42	23.53	23.33	23.80	16.53	16.64	16.37	16.80
3GPP Rel 99	RM 12.2Kbps	23.50	23.45	23.47	23.80	16.59	16.65	16.51	16.80
3GPP Rel 6	HSOPA Subtest-1	22.47	22.33	22.46	22.80	16.80	16.63	16.58	16.80
3GPP Rel 6	HSOPA Subtest-2	22.48	22.41	22.42	22.80	16.56	16.80	16.62	16.80
3GPP Rel 6	HSOPA Subtest-3	22.05	22.00	21.92	22.30	16.62	16.60	16.63	16.80
3GPP Rel 6	HSOPA Subtest-4	22.02	21.99	22.00	22.30	16.61	16.58	16.56	16.80
3GPP Rel 6	DC-HSOPA Subtest-1	22.36	22.32	22.44	22.80	16.55	16.49	16.45	16.80
3GPP Rel 6	DC-HSOPA Subtest-2	22.36	22.30	22.28	22.80	16.55	16.53	16.54	16.80
3GPP Rel 6	DC-HSOPA Subtest-3	22.04	21.98	21.89	22.30	16.53	16.50	16.62	16.80
3GPP Rel 6	DC-HSOPA Subtest-4	21.92	21.95	21.85	22.30	16.53	16.47	16.55	16.80
3GPP Rel 6	HSUPA Subtest-1	21.54	21.48	21.50	22.80	16.56	16.59	16.47	16.80
3GPP Rel 6	HSUPA Subtest-2	21.54	21.52	21.44	22.80	16.47	16.51	16.48	16.80
3GPP Rel 6	HSUPA Subtest-3	21.56	21.41	21.44	22.80	16.46	16.52	16.42	16.80
3GPP Rel 6	HSUPA Subtest-4	21.09	21.06	21.06	22.30	16.47	16.59	16.45	16.80
3GPP Rel 6	HSUPA Subtest-5	22.50	22.44	22.39	23.80	16.47	16.53	16.47	16.80
3GPP Rel 7	HSPA+ (HIGAM) Subtest-1	22.29	22.17	22.07	23.80	16.45	16.41	16.43	16.80

Band		WCDMA IV_Ant5			Tune-up Limit (dBm)	WCDMA IV_Ant6			Tune-up Limit (dBm)	WCDMA IV_Ant11			Tune-up Limit (dBm)	WCDMA IV_Ant7			Tune-up Limit (dBm)
Tx Channel		1312	1413	1513		1312	1413	1513		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.30	24.34	24.29	24.80	17.24	17.33	17.22	17.80	21.00	20.95	20.83	21.50	17.84	18.06	17.89	18.50
3GPP Rel 99	RM 12.2Kbps	24.40	24.43	24.38	24.80	17.39	17.43	17.33	17.80	21.01	21.04	20.96	21.50	18.09	18.16	18.04	18.50
3GPP Rel 6	HSOPA Subtest-1	23.36	23.30	23.28	23.80	17.29	17.19	17.33	17.80	20.92	21.02	20.95	21.50	18.06	18.06	18.05	18.50
3GPP Rel 6	HSOPA Subtest-2	23.36	23.35	23.22	23.80	17.28	17.27	17.27	17.80	20.91	20.97	20.95	21.50	18.14	18.14	18.14	18.50
3GPP Rel 6	HSOPA Subtest-3	22.89	22.88	22.82	23.30	17.34	17.27	17.34	17.80	20.97	21.03	20.96	21.50	18.09	18.06	18.09	18.50
3GPP Rel 6	HSOPA Subtest-4	22.87	22.78	22.75	23.30	17.28	17.25	17.32	17.80	20.92	20.99	21.03	21.50	18.13	18.15	18.05	18.50
3GPP Rel 6	DC-HSOPA Subtest-1	23.22	23.17	23.13	23.80	17.23	17.12	17.31	17.80	20.82	20.87	20.93	21.50	17.87	18.00	17.85	18.50
3GPP Rel 6	DC-HSOPA Subtest-2	23.21	23.20	23.09	23.80	17.26	17.15	17.19	17.80	20.80	20.84	20.94	21.50	18.08	18.02	18.13	18.50
3GPP Rel 6	DC-HSOPA Subtest-3	22.88	22.81	22.75	23.30	17.27	17.18	17.30	17.80	20.93	20.90	20.86	21.50	18.03	17.96	18.00	18.50
3GPP Rel 6	DC-HSOPA Subtest-4	22.86	22.64	22.63	23.30	17.24	17.19	17.28	17.80	20.81	20.94	20.89	21.50	18.02	18.10	17.94	18.50
3GPP Rel 6	HSUPA Subtest-1	22.38	22.23	22.34	22.80	17.30	17.37	17.26	17.80	20.97	21.02	20.91	21.50	18.12	18.12	18.06	18.50
3GPP Rel 6	HSUPA Subtest-2	22.42	22.29	22.33	22.80	17.30	17.46	17.30	17.80	21.00	20.95	20.93	21.50	18.10	18.03	18.11	18.50
3GPP Rel 6	HSUPA Subtest-3	22.40	22.30	22.36	22.80	17.29	17.29	17.31	17.80	20.98	20.97	20.95	21.50	18.12	18.15	18.08	18.50
3GPP Rel 6	HSUPA Subtest-4	21.97	21.87	21.96	22.30	17.28	17.41	17.23	17.80	21.01	20.98	20.94	21.50	18.06	18.11	18.09	18.50
3GPP Rel 6	HSUPA Subtest-5	23.40	23.36	23.33	23.80	17.33	17.34	17.25	17.80	20.95	21.00	21.02	21.50	18.10	18.11	18.10	18.50
3GPP Rel 7	HSPA+ (HIGAM) Subtest-1	23.11	23.02	23.03	23.80	17.21	17.26	17.18	17.80	20.81	20.96	20.95	21.50	18.09	18.00	17.87	18.50

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)</
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Band 2_Ant 5										
RF (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)				1690	1690	1910				
30	QPSK	1	0	23.85	23.15	23.85				
30	QPSK	1	48	22.87	23.86	22.87	23.8	0		
30	QPSK	1	96	23.86	22.87	23.86				
30	QPSK	50	24	22.69	22.60	22.52				
30	QPSK	50	50	22.68	22.62	22.61	23.8	0		
30	QPSK	100	0	22.64	22.68	22.64				
30	QPSK	100	0	22.85	22.84	22.83				
30	QPSK	100	24	22.87	23.00	22.88	23.8	0		
30	QPSK	100	48	22.81	23.03	22.80				
30	QPSK	100	72	22.91	22.10	22.14				
30	QPSK	100	96	22.95	22.06	22.06	22.8	1		
30	QPSK	100	0	22.10	22.05	22.08				
30	QPSK	100	0	21.72	21.80	21.76				
30	QPSK	100	48	21.64	21.81	21.84	22.8	1		
30	QPSK	100	72	21.73	21.83	21.89				
30	QPSK	100	96	21.69	21.79	21.81	21.8	2		
30	QPSK	100	0	21.12	21.13	21.20				
30	QPSK	100	24	20.90	21.23	21.04				
30	QPSK	100	48	21.00	21.19	21.01				
30	QPSK	100	72	17.50	17.94	17.94				
30	QPSK	100	96	16.90	17.72	17.89	18.8	5		
30	QPSK	100	0	17.87	17.96	17.85				
30	QPSK	100	24	17.91	17.98	17.88				
30	QPSK	100	48	17.89	18.05	17.84	18.8	5		
30	QPSK	100	72	17.86	18.01	17.91				
30	QPSK	100	96	17.83	18.04	17.95				
Channel										
Frequency (MHz)				1690	1690	1910	Turn-up time (min)	MFR (dB)		
15	QPSK	1	0	22.97	23.14	22.98				
15	QPSK	1	37	22.95	23.04	22.83	23.8	0		
15	QPSK	1	72	22.95	23.04	22.83				
15	QPSK	36	0	22.84	22.74	22.87				
15	QPSK	36	24	22.84	22.57	22.55	23.8	0		
15	QPSK	36	48	22.84	22.57	22.55				
15	QPSK	72	0	22.80	22.53	22.40				
15	QPSK	72	0	22.75	22.51	22.52				
15	QPSK	72	24	22.72	22.59	22.71	23.8	0		
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK	72	48	22.70	22.58	22.58				
15	QPSK	72	72	22.70	22.58	22.58				
15	QPSK	72	96	22.70	22.58	22.58	23.8	0		
15	QPSK	72	0	22.70	22.58	22.58				
15	QPSK	72	24	22.72	22.59	22.71				
15	QPSK									



Band 4_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F/Hz)	Power Med Ch (F/Hz)	Power High Ch (F/Hz)	Tau (sec)	MFR (dB)		
Channel										
Frequency (MHz)				20650	20175	20650	Tau (sec)	MFR (dB)		
20	QPSK	1	0	17.50	17.53	17.50				
20	QPSK	1	45	17.47	17.41	17.39		18.5	0	
20	QPSK	1	90	17.43	17.37	17.35				
20	QPSK	50	24	17.58	17.38	17.43			18.5	0
20	QPSK	50	50	17.59	17.41	17.42				
20	QPSK	100	0	17.38	17.45	17.38				
20	HQAM	1	0	17.40	17.52	17.39				
20	HQAM	1	45	17.41	17.40	17.52			18.5	0
20	HQAM	50	0	17.40	17.40	17.46				
20	HQAM	50	24	17.46	17.52	17.46			18.5	0
20	HQAM	50	41	17.41	17.41	17.46				
20	HQAM	100	0	17.45	17.51	17.38				
20	HQAM	1	45	17.40	17.52	17.42			18.5	0
20	HQAM	1	90	17.38	17.45	17.44				
20	HQAM	50	0	17.40	17.41	17.46				
20	HQAM	50	24	17.42	17.38	17.40			18.5	0
20	HQAM	50	41	17.40	17.46	17.49				
20	HQAM	100	0	17.40	17.42	17.38				
20	HQAM	1	45	17.40	17.45	17.43			18.5	0
20	HQAM	1	90	17.44	17.41	17.50				
20	HQAM	50	0	17.50	17.49	17.50				
20	HQAM	50	24	17.49	17.49	17.52			18.5	0
20	HQAM	50	41	17.50	17.47	17.40				
20	HQAM	100	0	17.41	17.42	17.44				
Channel										
Frequency (MHz)				1717.5 <th>1717.5<th>1717.5<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th></th>	1717.5 <th>1717.5<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th>	1717.5 <th>Tau (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Tau (sec)	MFR (dB)		
15	QPSK	1	0	17.49	17.41	17.35				
15	QPSK	1	37	17.46	17.33	17.37			18.5	0
15	QPSK	1	74	17.43	17.37	17.35				
15	QPSK	36	0	17.30	17.43	17.33				
15	QPSK	36	20	17.33	17.23	17.49			18.5	0
15	QPSK	36	40	17.34	17.37	17.27				
15	QPSK	75	0	17.30	17.34	17.34				
15	HQAM	1	0	17.36	17.47	17.36				
15	HQAM	1	37	17.36	17.26	17.48				
15	HQAM	1	74	17.37	17.37	17.41				
15	HQAM	36	0	17.25	17.29	17.42				
15	HQAM	36	20	17.40	17.51	17.37			18.5	0
15	HQAM	36	40	17.31	17.34	17.40				
15	HQAM	75	0	17.31	17.50	17.25				
15	HQAM	1	37	17.38	17.38	17.35				
15	HQAM	1	74	17.30	17.36	17.35			18.5	0
15	HQAM	36	0	17.35	17.36	17.41				
15	HQAM	36	20	17.34	17.29	17.27			18.5	0
15	HQAM	36	40	17.36	17.29	17.31				
15	HQAM	75	0	17.35	17.52	17.34				
15	HQAM	1	37	17.31	17.36	17.31			18.5	0
15	HQAM	1	74	17.38	17.38	17.39				
15	HQAM	36	0	17.40	17.34	17.35			18.5	0
15	HQAM	36	20	17.40	17.45	17.39				
15	HQAM	75	0	17.38	17.35	17.38				
Channel										
Frequency (MHz)				1699.5 <th>1699.5<th>1699.5<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th></th>	1699.5 <th>1699.5<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th>	1699.5 <th>Tau (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Tau (sec)	MFR (dB)		
10	QPSK	1	0	17.51	17.50	17.50				
10	QPSK	1	25	17.46	17.33	17.35			18.5	0
10	QPSK	1	49	17.45	17.28	17.34				
10	QPSK	1	74	17.40	17.37	17.35				
10	QPSK	25	0	17.42	17.35	17.41				
10	QPSK	25	12	17.23	17.23	17.28			18.5	0
10	QPSK	25	25	17.27	17.37	17.39				
10	QPSK	50	0	17.38	17.33	17.35				
10	HQAM	1	0	17.38	17.41	17.32			18.5	0
10	HQAM	1	25	17.40	17.38	17.46				
10	HQAM	1	49	17.32	17.49	17.37				
10	HQAM	25	0	17.34	17.33	17.31				
10	HQAM	25	12	17.31	17.27	17.44			18.5	0
10	HQAM	25	25	17.40	17.33	17.32				
10	HQAM	50	0	17.36	17.37	17.37				
10	HQAM	50	12	17.30	17.47	17.27			18.5	0
10	HQAM	1	25	17.27	17.47	17.40				
10	HQAM	1	49	17.46	17.36	17.39			18.5	0
10	HQAM	25	0	17.37	17.35	17.43				
10	HQAM	25	12	17.40	17.37	17.52			18.5	0
10	HQAM	25	25	17.46	17.35	17.41				
10	HQAM	50	0	17.37	17.41	17.33				
10	HQAM	1	49	17.35	17.36	17.49			18.5	0
10	HQAM	1	49	17.31	17.39	17.37				
10	HQAM	25	0	17.40	17.37	17.36			18.5	0
10	HQAM	25	12	17.38	17.43	17.35				
10	HQAM	25	25	17.35	17.39	17.35				
10	HQAM	50	0	17.37	17.39	17.41				
Channel										
Frequency (MHz)				1671.5 <th>1671.5<th>1671.5<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th></th>	1671.5 <th>1671.5<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th>	1671.5 <th>Tau (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Tau (sec)	MFR (dB)		
3	QPSK	1	0	17.43	17.48	17.49				
3	QPSK	1	8	17.37	17.39	17.36			18.5	0
3	QPSK	1	16	17.37	17.40	17.38				
3	QPSK	8	0	17.44	17.42	17.52				
3	QPSK	8	4	17.23	17.35	17.36			18.5	0
3	QPSK	8	7	17.40	17.45	17.40				
3	QPSK	16	0	17.27	17.51	17.34			18.5	0
3	HQAM	1	0	17.27	17.52	17.39				
3	HQAM	1	8	17.31	17.46	17.32				
3	HQAM	1	16	17.33	17.39	17.34			18.5	0
3	HQAM	8	0	17.30	17.43	17.30				
3	HQAM	8	4	17.31	17.46	17.37				
3	HQAM	8	7	17.31	17.46	17.37			18.5	0
3	HQAM	16	0	17.31	17.44	17.29				
3	HQAM	1	8	17.37	17.44	17.39			18.5	0
3	HQAM	1	16	17.44	17.44	17.44				
3	HQAM	8	0	17.37	17.25	17.33			18.5	0
3	HQAM	8	4	17.36	17.43	17.33				
3	HQAM	8	7	17.39	17.28	17.36			18.5	0
3	HQAM	8	16	17.34	17.32	17.35				
3	HQAM	16	0	17.42	17.37	17.46				
3	HQAM	1	0	17.49	17.32	17.23			18.5	0
3	HQAM	1	8	17.40	17.38	17.42				
3	HQAM	8	16	17.47	17.34	17.40			18.5	0
3	HQAM	8	4	17.40	17.41	17.39				
3	HQAM	8	7	17.40	17.44	17.32				
3	HQAM	16	0	17.30	17.29	17.33			18.5	0
Channel										
Frequency (MHz)				1666.7 <th>1666.7<th>1666.7<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th></th>	1666.7 <th>1666.7<th>Tau (sec)</th><th>MFR (dB)</th><th colspan="2"></th></th>	1666.7 <th>Tau (sec)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Tau (sec)	MFR (dB)		
1.4	QPSK	1	0	17.43	17.44	17.47				
1.4	QPSK	1	8	17.37	17.38	17.38			18.5	0
1.4	QPSK	1	8	17.39	17.26	17.30				
1.4	QPSK	3	0	17.40	17.40	17.37				
1.4	QPSK	3	0	17.37	17.27	17.33			18.5	0
1.4	HQAM	1	0	17.37	17.47	17.37				
1.4	HQAM	1	3	17.39	17.30	17.49				
1.4	HQAM	1	6	17.31	17.40	17.39			18.5	0
1.4	HQAM	3	0	17.36	17.46	17.29				
1.4	HQAM	3	1	17.41	17.47	17.43				
1.4	HQAM	3	3	17.34	17.43	17.40			18.5	0
1.4	HQAM	6	0	17.43	17.50	17.27				
1.4	HQAM	1	0	17.50	17.39	17.33				
1.4	HQAM	1	3	17.44	17.37	17.44			18.5	0
1.4	HQAM	1	6	17.25	17.30	17.29				
1.4	HQAM	3	0	17.25	17.45	17.29				
1.4	HQAM	3	3	17.30	17.38	17.28			18.5	0
1.4	HQAM	3	6	17.35	17.30	17.37				
1.4	HQAM	6	0	17.46	17.41	17.39			18.5	0
1.4	HQAM	6	3	17.30	17.30	17.30				
1.4	HQAM	6	6	17.40	17.39	17.38			18.5	0
1.4	HQAM	12	0	17.42	17.41	17.41				
1.4	HQAM	12	3	17.34	17.47	17.43			18.5	0
1.4	HQAM	12	6	17.34	17.37	17.41				
1.4	HQAM	24	0	17.39	17.34	17.35			18.5	0

Band 4_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F/Hz)	Power Med Ch (F/Hz)	Power High Ch (F/Hz)	Turnup (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.70	17.73	17.66				
20	QPSK	1	45	20.35	20.52	20.42		21.6	0	
20	QPSK	1	89	20.39	20.43	20.33				
20	QPSK	1	134	20.41	20.42	20.40				
20	QPSK	50	24	20.35	20.52	20.37		21.6	0	
20	QPSK	50	60	20.41	20.42	20.36				
20	HQDM	10	0	20.45	20.45	20.39				
20	HQDM	1	45	20.41	20.37	20.29		21.6	0	
20	HQDM	50	0	20.38	20.43	20.40				
20	HQDM	50	24	20.43	20.32	20.45		21.6	0	
20	HQDM	50	60	20.43	20.32	20.45				
20	HQDM	100	0	20.45	20.38	20.44				
20	HQDM	1	0	20.42	20.37	20.33		21.6	0	
20	HQDM	1	45	20.42	20.37	20.33				
20	HQDM	1	89	20.39	20.43	20.33				
20	HQDM	50	0	20.39	20.35	20.36				
20	HQDM	50	24	20.44	20.32	20.43		21.6	0	
20	HQDM	50	60	20.45	20.32	20.39				
20	HQDM	100	0	20.32	20.40	20.33				
20	HQDM	1	0	20.33	20.38	18.25		19.4	2.2	
20	HQDM	1	45	18.08	18.22	18.21				
20	HQDM	1	89	18.18	18.27	18.18				
20	HQDM	50	24	18.36	18.28	18.18		19.4	2.2	
20	HQDM	50	60	18.22	18.31	18.28				
20	HQDM	100	0	18.23	18.28	18.25				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.71	17.73	17.675		Turnup (sec)	MFR (dB)	
15	QPSK	1	45	20.37	20.28	20.32		21.6	0	
15	QPSK	1	89	20.30	20.39	20.25				
15	QPSK	1	134	20.32	20.38	20.29				
15	QPSK	36	20	20.25	20.30	20.33		21.6	0	
15	QPSK	36	59	20.39	20.32	20.28				
15	QPSK	36	92	20.37	20.34	20.32				
15	HQDM	1	0	20.42	20.42	20.34				
15	HQDM	1	37	20.31	20.25	20.18		21.6	0	
15	HQDM	1	74	20.31	20.25	20.18				
15	HQDM	1	111	20.31	20.25	20.18				
15	HQDM	36	0	20.27	20.38	20.26				
15	HQDM	36	20	20.28	20.23	20.46		21.6	0	
15	HQDM	36	59	20.31	20.28	20.25				
15	HQDM	75	0	20.37	20.21	20.41				
15	HQDM	1	0	20.39	20.32	20.21				
15	HQDM	1	37	20.32	20.23	18.25		21.6	0	
15	HQDM	1	74	20.28	20.34	20.23				
15	HQDM	36	0	20.27	20.34	20.22				
15	HQDM	36	20	20.35	20.26	20.35		21.6	0	
15	HQDM	75	0	20.19	20.38	20.25				
15	HQDM	75	0	20.19	20.38	20.25				
15	HQDM	1	37	17.95	18.24	18.11		19.4	2.2	
15	HQDM	1	74	18.08	18.18	18.04				
15	HQDM	36	20	18.13	18.22	18.13				
15	HQDM	36	20	18.23	18.20	18.15		19.4	2.2	
15	HQDM	36	59	18.10	18.27	18.10				
15	HQDM	100	0	18.23	18.23	18.27				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.15	17.13	17.05		Turnup (sec)	MFR (dB)	
10	QPSK	1	25	20.32	20.28	20.34		21.6	0	
10	QPSK	1	49	20.30	20.40	20.25				
10	QPSK	1	73	20.32	20.38	20.29				
10	QPSK	25	12	20.21	20.29	20.32		21.6	0	
10	QPSK	25	25	20.32	20.30	20.30				
10	QPSK	25	38	20.30	20.32	20.32				
10	HQDM	1	0	20.30	20.31	20.31				
10	HQDM	1	25	20.32	20.30	20.27		21.6	0	
10	HQDM	1	49	20.32	20.30	20.27				
10	HQDM	25	0	20.22	20.34	20.38				
10	HQDM	25	12	20.34	20.29	20.31		21.6	0	
10	HQDM	50	0	20.38	20.28	20.34				
10	HQDM	1	0	20.33	20.34	20.25				
10	HQDM	1	25	20.29	20.29	20.29		21.6	0	
10	HQDM	1	49	20.28	20.42	20.28				
10	HQDM	25	0	20.28	20.27	20.33				
10	HQDM	25	12	20.30	20.29	20.29				
10	HQDM	50	0	20.20	20.27	20.18				
10	HQDM	50	0	20.20	20.27	20.18				
10	HQDM	1	25	18.34	18.13	18.11		19.4	2.2	
10	HQDM	1	49	18.14	18.21	18.11				
10	HQDM	25	12	18.24	18.13	18.08		19.4	2.2	
10	HQDM	25	12	18.24	18.13	18.08				
10	HQDM	25	25	18.21	18.26	18.11				
10	HQDM	50	0	18.21	18.26	18.11				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.975	17.03	16.975		Turnup (sec)	MFR (dB)	
5	QPSK	1	12	20.33	20.44	20.39		21.6	0	
5	QPSK	1	25	20.27	20.28	20.28				
5	QPSK	1	38	20.35	20.29	20.18				
5	QPSK	12	0	20.38	20.44	20.27				
5	QPSK	12	12	20.30	20.37	20.29		21.6	0	
5	QPSK	12	13	20.31	20.37	20.29				
5	QPSK	25	0	20.33	20.44	20.32				
5	HQDM	1	0	20.33	20.44	20.32				
5	HQDM	1	12	20.35	20.28	20.31		21.6	0	
5	HQDM	1	25	20.35	20.28	20.31				
5	HQDM	12	0	20.33	20.30	20.33				
5	HQDM	12	7	20.34	20.24	20.34		21.6	0	
5	HQDM	12	13	20.33	20.31	20.33				
5	HQDM	25	0	20.35	20.25	20.35				
5	HQDM	1	0	20.27	20.34	20.29		21.6	0	
5	HQDM	1	12	20.33	20.31	20.33				
5	HQDM	1	24	20.30	20.31	20.29				
5	HQDM	12	0	20.22	20.31	20.25				
5	HQDM	12	7	20.33	20.29	20.33		21.6	0	
5	HQDM	12	13	20.38	20.24	20.21				
5	HQDM	25	0	20.22	20.32	20.21				
5	HQDM	25	0	20.22	20.32	20.21				
5	HQDM	1	12	18.00	18.16	18.11		19.4	2.2	
5	HQDM	1	24	18.03	18.13	18.11				
5	HQDM	12	7	18.21	18.18	18.03		19.4	2.2	
5	HQDM	12	13	18.18	18.23	18.18				
5	HQDM	25	0	18.18	18.23	18.18				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.115	17.13	17.035		Turnup (sec)	MFR (dB)	
3	QPSK	1	14	20.29	20.44	20.41		21.6	0	
3	QPSK	1	28	20.27	20.29	20.29				
3	QPSK	1	42	20.38	20.40	20.18				
3	QPSK	8	7	20.40	20.40	20.30				
3	QPSK	15	0	20.35	20.31	20.24		21.6	0	
3	QPSK	15	0	20.35	20.31	20.24				
3	HQDM	1	8	20.31	20.27	20.38		21.6	0	
3	HQDM	1	14	20.35	20.28	20.35				
3	HQDM	8	4	20.39	20.19	20.37		21.6	0	
3	HQDM	8	7	20.38	20.29	20.37				
3	HQDM	15	0	20.30	20.25	20.30				
3	HQDM	1	0	20.34	20.33	20.18		21.6	0	
3	HQDM	1	8	20.38	20.28	20.32				
3	HQDM	1	14	20.31	20.30	20.25				
3	HQDM	8	0	20.27	20.24	20.23		21.6	0	
3	HQDM	8	7	20.32	20.29	20.23				
3	HQDM	8	7	20.30	20.22	20.20				
3	HQDM	15	0	20.17	20.29	20.29				
3	HQDM	15	0	20.17	20.29	20.29				
3	HQDM	8	8	17.94	18.18	18.11		19.4	2.2	
3	HQDM	1	14	18.14	18.25	18.05				
3	HQDM	8	7	18.24	18.23	18.14				
3	HQDM	8	7	18.27	18.34	18.17		19.4	2.2	
3	HQDM	15	0	18.07	18.16	18.07				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.01	17.03	17.04		Turnup (sec)	MFR (dB)	
1.4	QPSK	1	0	20.30	20.42	20.36				
1.4	QPSK	1	30	20.32	20.28	20.35		21.6	0	
1.4	QPSK	1	6	20.28	20.40	20.41				
1.4	QPSK	3	0	20.29	20.42	20.29				
1.4	QPSK	3	3	20.27	20.29	20.29		21.6	0	
1.4	QPSK	3	3	20.38	20.40	20.31				
1.4	HQDM	1	0	20.25	20.33	20.32				
1.4	HQDM	1	3	20.32	20.27	20.30				
1.4	HQDM	3	0	20.41	20.36	20.31		21.6	0	
1.4	HQDM	3	3	20.32	20.28	20.35				
1.4	HQDM	3	3	20.42	20.30	20.42				
1.4	HQDM	3	3	20.42	20.30	20.42				
1.4	HQDM	6	0	20.34	20.31	20.33		21.6	0	
1.4	HQDM	6	0	20.34	20.31	20.33				
1.4	HQDM	6	0	20.39	20.29	20.23				
1.4	HQDM	6	0	20.39	20.29	20.23				
1.4	HQDM	6	0	20.33	20.38	20.21		21.6	0	
1.4	HQDM	6	0	20.33	20.38	20.21				
1.4	HQDM	6	0	20.27	20.27	20.31				

Band 5_Ant 0												
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int)	MFR (dB)				
Channel												
Frequency (MHz)				26450	26452	26454						
10	QPSK	1	0	820	820	820						
10	QPSK	1	25	17.60	17.60	17.65	18.3	0				
10	QPSK	1	40	17.60	17.62	17.63						
10	QPSK	25	0	17.60	17.60	17.60						
10	QPSK	25	12	17.62	17.64	17.77	18.3	0				
10	QPSK	25	25	17.77	17.81	17.80						
10	QPSK	50	0	17.60	17.67	17.81						
10	HQAM	1	0	17.60	17.66	17.80	18.3	0				
10	HQAM	1	25	17.79	17.81	17.82						
10	HQAM	1	40	17.60	17.62	17.80						
10	HQAM	25	0	17.64	17.61	17.87						
10	HQAM	25	12	17.69	17.83	17.79	18.3	0				
10	HQAM	50	0	17.60	17.63	17.84						
10	HQAM	1	0	17.63	17.61	17.80						
10	HQAM	1	25	17.60	17.60	17.80	18.3	0				
10	HQAM	1	40	17.60	17.79	17.87						
10	HQAM	25	0	17.60	17.60	17.80						
10	HQAM	25	12	17.60	17.64	17.80	18.3	0				
10	HQAM	25	25	17.79	17.86	17.80						
10	HQAM	50	0	17.67	17.89	17.85						
10	HQAM	50	12	17.80	17.83	17.87	18.3	0				
10	SSBDM	1	0	17.60	17.62	17.81						
10	SSBDM	1	40	17.63	17.62	17.88						
10	SSBDM	1	40	17.60	17.64	17.83						
10	SSBDM	25	12	17.77	17.82	17.84	18.3	0				
10	SSBDM	25	25	17.80	17.88	17.80						
10	SSBDM	50	0	17.60	17.68	17.88						
Channel												
Frequency (MHz)				26452	26453	26455	Timeuse (int)	MFR (dB)				
5	QPSK	1	0	820.5	820.5	820.5						
5	QPSK	1	12	17.74	17.61	17.89	18.3	0				
5	QPSK	1	24	17.60	17.61	17.80						
5	QPSK	12	0	17.60	17.60	17.60						
5	QPSK	12	7	17.60	17.63	17.87	18.3	0				
5	QPSK	12	13	17.72	17.67	17.74						
5	QPSK	25	0	17.60	17.60	17.60						
5	HQAM	1	0	17.60	17.62	17.82	18.3	0				
5	HQAM	1	12	17.77	17.67	17.82						
5	HQAM	1	24	17.60	17.62	17.80						
5	HQAM	12	0	17.74	17.77	17.80						
5	HQAM	12	7	17.75	17.84	17.80	18.3	0				
5	HQAM	12	13	17.60	17.68	17.77						
5	HQAM	25	0	17.84	17.63	17.83						
5	HQAM	25	7	17.71	17.72	17.74						
5	HQAM	1	24	17.60	17.71	17.74						
5	HQAM	12	0	17.84	17.65	17.84						
5	HQAM	12	7	17.60	17.66	17.70	18.3	0				
5	HQAM	12	13	17.60	17.66	17.76						
5	HQAM	25	0	17.73	17.74	17.71						
5	HQAM	25	7	17.60	17.66	17.70						
5	SSBDM	1	12	17.62	17.74	17.69	18.3	0				
5	SSBDM	1	24	17.68	17.81	17.70						
5	SSBDM	12	0	17.60	17.70	17.70						
5	SSBDM	12	7	17.62	17.70	17.60	18.3	0				
5	SSBDM	12	13	17.60	17.62	17.60						
5	SSBDM	25	0	17.80	17.82	17.80						
5	SSBDM	25	7	17.60	17.61	17.81						
Channel												
Frequency (MHz)				26455	26456	26458	Timeuse (int)	MFR (dB)				
3	QPSK	1	0	820.5	820.5	820.5						
3	QPSK	1	8	17.74	17.75	17.69	18.3	0				
3	QPSK	1	16	17.60	17.68	17.77						
3	QPSK	8	0	17.74	17.60	17.69	18.3	0				
3	QPSK	8	8	17.60	17.62	17.74						
3	HQAM	1	0	17.60	17.62	17.84	18.3	0				
3	HQAM	1	8	17.75	17.67	17.85						
3	HQAM	1	16	17.60	17.68	17.78						
3	HQAM	8	0	17.62	17.60	17.79						
3	HQAM	8	8	17.61	17.64	17.78	18.3	0				
3	HQAM	15	0	17.79	17.90	17.81						
3	HQAM	1	0	17.77	17.70	17.87	18.3	0				
3	HQAM	1	8	17.70	17.73	17.77						
3	HQAM	1	16	17.77	17.77	17.82						
3	HQAM	8	0	17.77	17.66	17.82	18.3	0				
3	HQAM	8	8	17.77	17.74	17.82						
3	HQAM	15	0	17.62	17.74	17.72						
3	HQAM	15	8	17.60	17.66	17.70						
3	SSBDM	1	8	17.60	17.62	17.80	18.3	0				
3	SSBDM	1	16	17.70	17.79	17.86						
3	SSBDM	8	0	17.60	17.62	17.76						
3	SSBDM	8	8	17.64	17.63	17.87	18.3	0				
3	SSBDM	15	0	17.60	17.61	17.87						
3	SSBDM	15	8	17.60	17.61	17.87						
Channel												
Frequency (MHz)				26457	26458	26463	Timeuse (int)	MFR (dB)				
1.4	QPSK	1	0	820.7	820.6	820.6						
1.4	QPSK	1	3	17.73	17.71	17.68	18.3	0				
1.4	QPSK	3	0	17.77	17.76	17.70						
1.4	QPSK	3	1	17.70	17.73	17.64						
1.4	QPSK	6	0	17.70	17.77	17.70	18.3	0				
1.4	HQAM	1	0	17.70	17.61	17.74						
1.4	HQAM	1	3	17.70	17.74	17.62						
1.4	HQAM	1	6	17.70	17.68	17.76						
1.4	HQAM	3	0	17.60	17.66	17.71	18.3	0				
1.4	HQAM	3	1	17.60	17.70	17.77						
1.4	HQAM	6	0	17.60	17.68	17.80						
1.4	HQAM	1	12	17.60	17.75	17.77	18.3	0				
1.4	HQAM	3	0	17.60	17.73	17.77						
1.4	HQAM	3	1	17.63	17.79	17.82						
1.4	HQAM	6	0	17.63	17.63	17.70	18.3	0				
1.4	SSBDM	1	0	17.60	17.76	17.80						
1.4	SSBDM	1	3	17.67	17.69	17.86						
1.4	SSBDM	3	0	17.60	17.60	17.72						
1.4	SSBDM	3	1	17.60	17.60	17.81	18.3	0				
1.4	SSBDM	6	0	17.70	17.62	17.61						
1.4	SSBDM	6	5	17.70	17.77	17.80	18.3	0				

Band 7_Ant 5												
BW (MHz)	Modulation	RE Sub	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Time-use (int)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	24.40	24.40	24.40						
20	QPSK	1	40	24.32	24.30	24.38	25	0				
20	QPSK	1	80	24.34	24.47	24.36						
20	QPSK	50	0	24.50	24.52	24.50						
20	QPSK	50	24	23.67	23.62	23.75	25	0				
20	QPSK	50	50	23.84	23.80	23.79						
20	HQAM	1	0	23.90	24.11	23.98						
20	HQAM	1	40	24.10	24.16	24.08	25	0				
20	HQAM	1	80	24.00	24.00	24.07						
20	HQAM	50	0	23.57	23.57	23.53						
20	HQAM	50	24	23.25	23.20	23.15	24	1				
20	HQAM	50	50	23.20	23.10	23.24						
20	HQAM	100	0	23.20	23.28	23.37						
20	HQAM	1	40	22.90	22.98	22.87						
20	HQAM	1	80	22.80	22.99	22.92	24	1				
20	HQAM	1	96	22.95	23.04	22.90						
20	HQAM	50	0	22.97	22.99	22.90						
20	HQAM	50	24	22.20	22.27	22.24	23	2				
20	HQAM	50	50	22.27	22.32	22.21						
20	HQAM	100	0	22.33	22.38	22.27						
20	HQAM	1	40	21.90	21.99	21.90						
20	HQAM	1	48	19.48	19.50	19.54	20	5				
20	SSBDM	1	0	19.40	19.56	19.54						
20	SSBDM	1	40	19.30	19.36	19.35						
20	SSBDM	50	0	19.10	19.27	19.14						
20	SSBDM	50	24	19.21	19.27	19.23						
20	SSBDM	50	50	19.10	19.22	19.10	20	5				
20	SSBDM	100	0	19.10	19.20	19.10						
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.40	24.44	24.39						
15	QPSK	1	37	24.31	24.33	24.33	25	0				
15	QPSK	1	74	24.37	24.38	24.30						
15	QPSK	50	0	24.50	24.52	24.50						
15	QPSK	50	24	23.63	23.60	23.67	25	0				
15	QPSK	50	50	23.79	23.85	23.73						
15	HQAM	1	0	23.93	24.13	23.94						
15	HQAM	1	0	23.92	24.00	23.94						
15	HQAM	1	37	24.07	24.08	24.03	25	0				
15	HQAM	1	74	24.07	24.17	24.00						
15	HQAM	36	0	23.23	23.23	23.14						
15	HQAM	36	20	23.16	23.19	23.14	24	1				
15	HQAM	36	36	23.17	23.20	23.10						
15	HQAM	75	0	23.22	23.30	23.23						
15	HQAM	1	0	22.89	22.91	22.78	24	1				
15	HQAM	1	37	22.90	22.92	22.83						
15	HQAM	1	74	22.93	22.98	22.88						
15	HQAM	36	0	22.25	22.25	22.22	23	2				
15	HQAM	36	20	22.26	22.29	22.13						
15	HQAM	36	36	22.18	22.26	22.12						
15	HQAM	75	0	22.21	22.30	22.21						
15	SSBDM	1	0	19.40	19.52	19.40	20	5				
15	SSBDM	1	37	19.42	19.40	19.42						
15	SSBDM	36	0	19.10	19.18	19.10						
15	SSBDM	36	20	19.08	19.15	19.12	20	5				
15	SSBDM	36	36	19.03	19.11	19.07						
15	SSBDM	75	0	19.13	19.20	19.13						
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.40	24.44	24.39						
15	QPSK	1	37	24.30	24.33	24.29	25	0				
15	QPSK	1	40	24.30	24.48	24.26						
15	QPSK	1	74	24.37	24.41	24.30						
15	QPSK	25	12	23.65	23.70	23.67	25	0				
15	QPSK	25	25	23.77	23.82	23.70						
15	HQAM	1	0	23.90	24.09	23.90						
15	HQAM	1	0	23.85	24.04	23.84						
15	HQAM	1	25	24.10	24.14	24.06	25	0				
15	HQAM	1	40	24.00	24.00	24.00						
15	HQAM	25	0	23.20	23.24	23.21						
15	HQAM	25	12	23.18	23.18	23.06	24	1				
15	HQAM	25	25	23.23	23.26	23.14						
15	HQAM	50	0	23.20	23.24	23.26						
15	HQAM	1	0	22.89	22.96	22.78						
15	HQAM	1	25	22.90	22.92	22.83	24	1				
15	HQAM	1	40	22.91	22.90	22.89						
15	HQAM	25	0	22.23	22.25	22.17	23	2				
15	HQAM	25	12	22.24	22.27	22.14						
15	HQAM	25	25	22.18	22.20	22.11						
15	HQAM	50	0	22.26	22.34	22.19						
15	SSBDM	1	0	19.40	19.52	19.40	20	5				
15	SSBDM	1	40	19.46	19.47	19.46						
15	SSBDM	25	0	19.10	19.18	19.10						
15	SSBDM	25	12	19.07	19.15	19.12	20	5				
15	SSBDM	25	25	18.97	19.03	19.00						
15	SSBDM	50	0	19.10	19.20	19.10						
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.40	24.44	24.39						
15	QPSK	1	12	24.25	24.36	24.26	25	0				
15	QPSK	1	24	24.25	24.40	24.26						
15	QPSK	12	0	23.87	23.90	23.80						
15	QPSK	12	12	23.81	23.76	23.70	25	0				
15	QPSK	12	13	23.83	23.77	23.70						
15	HQAM	1	0	23.80	24.00	23.80						
15	HQAM	1	0	23.88	24.04	23.81						
15	HQAM	1	12	24.01	24.13	24.07	25	0				
15	HQAM	1	24	24.00	24.00	24.00						
15	HQAM	12	0	23.27	23.29	23.22						
15	HQAM	12	7	23.18	23.15	23.13	24	1				
15	HQAM	12	13	23.20	23.23	23.10						
15	HQAM	25	0	23.27	23.27	23.22						
15	HQAM	1	0	22.91	22.94	22.83	24	1				
15	HQAM	1	12	22.92	22.92	22.87						
15	HQAM	1	24	22.91	23.03	22.88						
15	HQAM	12	0	22.26	22.34	22.20						
15	HQAM	12	7	22.24	22.24	22.17	23	2				
15	HQAM	12	13	22.20	22.19	22.14						
15	HQAM	25	0	22.28	22.37	22.21						
15	SSBDM	1	0	19.40	19.52	19.40	20	5				
15	SSBDM	1	12	19.43	19.43	19.43						
15	SSBDM	12	7	19.11	19.22	19.03	20	5				
15	SSBDM	12	13	18.96	19.03	19.03						

Band 7_Ant 7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Time-up (min)	MFR (dB)		
Channel				20950	21550	21950				
Frequency (MHz)				20.95	20.95	20.95				
20	QPSK	1	0	15.12	15.24	15.14	16.2	0		
20	QPSK	1	40	15.16	15.14	15.14				
20	QPSK	1	80	15.12	15.09	15.06				
20	QPSK	50	0	15.12	15.16	15.12				
20	QPSK	50	24	15.02	15.10	15.09	16.2	0		
20	QPSK	50	50	15.06	15.06	15.04				
20	HQAM	1	0	15.16	15.13	15.07				
20	HQAM	1	40	15.06	15.14	15.03				
20	HQAM	1	80	15.06	15.06	15.04	16.2	0		
20	HQAM	50	0	15.06	15.07	15.08				
20	HQAM	50	24	15.11	15.09	15.07				
20	HQAM	50	50	15.13	15.15	15.15				
20	HQAM	100	0	15.13	15.15	15.15	16.2	0		
20	HQAM	1	0	15.09	15.02	15.02				
20	HQAM	1	40	15.10	15.06	15.12				
20	HQAM	1	80	15.06	15.06	15.05				
20	HQAM	50	0	15.14	15.15	15.03	16.2	0		
20	HQAM	50	24	15.11	15.16	15.16				
20	HQAM	50	50	15.12	15.13	15.13				
20	HQAM	100	0	15.06	15.16	15.12				
20	SSBQAM	1	0	15.14	15.09	15.02	16.2	0		
20	SSBQAM	1	40	15.12	15.09	15.11				
20	SSBQAM	1	80	15.13	15.16	15.04				
20	SSBQAM	50	0	15.12	15.16	15.08				
20	SSBQAM	50	24	15.12	15.16	15.08	16.2	0		
20	SSBQAM	50	50	15.07	15.10	15.14				
20	SSBQAM	100	0	15.06	15.13	15.07				
Channel				20950	21550	21950				
Frequency (MHz)				20.95	20.95	20.95				
15	QPSK	1	0	15.10	15.23	15.17	16.2	0		
15	QPSK	1	37	15.01	15.02	15.06				
15	QPSK	1	74	15.10	14.96	15.02				
15	QPSK	36	0	15.10	14.98	15.07				
15	QPSK	36	36	15.01	15.02	14.91	16.2	0		
15	QPSK	75	0	14.91	15.01	14.99				
15	HQAM	1	0	15.09	15.02	15.01				
15	HQAM	1	37	14.91	15.05	14.98				
15	HQAM	1	74	14.98	14.99	14.91	16.2	0		
15	HQAM	36	0	14.94	15.00	15.05				
15	HQAM	36	20	15.09	15.01	14.99				
15	HQAM	36	36	14.90	15.09	15.08				
15	HQAM	75	0	15.06	15.02	15.05	16.2	0		
15	HQAM	1	0	15.09	14.96	14.99				
15	HQAM	1	37	15.02	14.99	14.99				
15	HQAM	1	74	14.91	14.96	14.96				
15	HQAM	36	0	15.09	15.05	14.91	16.2	0		
15	HQAM	36	20	14.90	15.11	15.05				
15	HQAM	36	36	14.96	14.96	15.12				
15	HQAM	75	0	14.90	15.06	15.08				
15	HQAM	1	0	15.02	14.99	14.97	16.2	0		
15	SSBQAM	1	0	14.96	15.07	14.92				
15	SSBQAM	1	74	14.96	15.07	14.92				
15	SSBQAM	36	0	15.11	15.05	15.11				
15	SSBQAM	36	20	15.06	15.01	15.02	16.2	0		
15	SSBQAM	36	36	15.06	14.96	15.04				
15	SSBQAM	75	0	15.02	15.06	15.03				
Channel				20950	21550	21950				
Frequency (MHz)				20.95	20.95	20.95				
10	QPSK	1	0	15.08	15.23	15.17	16.2	0		
10	QPSK	1	25	15.12	15.10	15.10				
10	QPSK	8	0	15.08	15.03	15.09				
10	QPSK	25	0	15.13	15.03	14.98				
10	QPSK	25	12	14.90	14.90	15.03	16.2	0		
10	QPSK	25	24	15.02	15.03	15.02				
10	QPSK	50	0	14.98	15.04	15.03				
10	HQAM	1	0	15.04	14.98	14.92				
10	HQAM	1	25	14.98	15.12	14.96	16.2	0		
10	HQAM	1	40	14.99	14.91	15.01				
10	HQAM	25	0	14.96	15.03	15.02				
10	HQAM	25	12	15.10	15.03	14.94				
10	HQAM	25	25	14.90	15.05	15.05	16.2	0		
10	HQAM	50	0	15.05	15.01	15.14				
10	HQAM	1	0	15.01	14.98	14.88				
10	HQAM	1	25	15.10	15.09	15.10				
10	HQAM	1	40	14.95	14.94	14.90	16.2	0		
10	HQAM	25	0	15.11	15.09	14.90				
10	HQAM	25	12	14.90	15.03	15.10				
10	HQAM	25	25	15.05	15.05	15.11				
10	HQAM	50	0	14.99	15.14	15.03	16.2	0		
10	SSBQAM	1	0	15.06	14.95	15.01				
10	SSBQAM	1	25	14.91	15.02	15.05				
10	SSBQAM	1	40	15.00	15.14	15.02				
10	SSBQAM	25	0	15.10	14.95	15.07	16.2	0		
10	SSBQAM	25	12	15.09	15.03	14.97				
10	SSBQAM	25	25	15.00	15.07	15.02				
10	SSBQAM	50	0	15.04	15.01	14.97				
Channel				20950	21550	21950	Time-up (min)	MFR (dB)		
Frequency (MHz)				20.95	20.95	20.95				
5	QPSK	1	0	15.13	15.16	15.10	16.2	0		
5	QPSK	1	12	15.02	15.11	15.09				
5	QPSK	1	24	15.06	15.01	15.07				
5	QPSK	12	0	15.08	15.11	14.99				
5	QPSK	12	7	14.90	14.98	14.98	16.2	0		
5	QPSK	12	13	15.04	15.03	14.91				
5	QPSK	25	0	14.98	15.04	15.03				
5	HQAM	1	0	15.04	15.07	15.06				
5	HQAM	1	12	14.91	15.09	14.99	16.2	0		
5	HQAM	1	24	14.90	15.05	14.93				
5	HQAM	12	0	15.05	14.93	14.98				
5	HQAM	12	7	15.10	14.99	14.98				
5	HQAM	12	13	15.00	15.08	15.06	16.2	0		
5	HQAM	25	0	15.02	15.02	15.15				
5	HQAM	1	0	15.07	14.87	14.99				
5	HQAM	1	12	15.13	14.98	15.03				
5	HQAM	1	24	14.95	15.00	15.02	16.2	0		
5	HQAM	12	0	15.05	15.12	14.93				
5	HQAM	12	7	15.07	15.05	15.10				
5	HQAM	12	13	15.05	14.99	15.07				
5	HQAM	25	0	15.01	15.06	15.03	16.2	0		
5	SSBQAM	1	0	15.06	15.06	14.91				
5	SSBQAM	1	12	14.96	14.97	14.97				
5	SSBQAM	1	24	14.99	15.12	14.99				
5	SSBQAM	12	0	15.08	15.03	15.13	16.2	0		
5	SSBQAM	12	7	14.98	15.02	14.97				
5	SSBQAM	12	13	14.92	15.00	15.02				
5	SSBQAM	25	0	15.00	15.07	15.00				

Band 12_Ant 0									
BW (MHz)	Modulation	RE Res	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up (int.) (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				754	792.5	711			
10	QPSK	1	0	19.17	19.19	19.08			
10	QPSK	1	25	19.08	19.04	19.01	19.8	0	
10	QPSK	1	49	19.03	19.07	19.03			
10	QPSK	25	0	19.07	19.10	19.08			
10	QPSK	25	12	19.08	19.09	19.03	19.8	0	
10	QPSK	25	25	19.02	19.05	19.03			
10	QPSK	50	0	19.05	19.10	19.05			
10	HQAM	1	0	19.13	19.10	19.01	19.8	0	
10	HQAM	1	25	19.02	19.07	19.14			
10	HQAM	1	49	19.08	19.08	19.10			
10	HQAM	25	0	19.02	19.09	19.11			
10	HQAM	25	12	19.07	19.02	19.05	19.8	0	
10	HQAM	25	25	19.02	19.02	19.13			
10	HQAM	50	0	19.02	19.03	19.12			
10	HQAM	1	0	19.10	19.09	19.10			
10	HQAM	1	25	19.02	19.05	19.07	19.8	0	
10	HQAM	1	49	19.02	19.03	19.04			
10	HQAM	25	0	19.13	19.07	19.14			
10	HQAM	25	12	19.03	19.13	19.03	19.8	0	
10	HQAM	25	25	19.02	19.04	19.11			
10	HQAM	50	0	19.13	19.01	19.05			
10	SSBQAM	1	0	17.71	17.76	17.83			
10	SSBQAM	1	25	17.81	17.75	17.87	18.4	1.4	
10	SSBQAM	1	49	17.81	17.75	17.89			
10	SSBQAM	25	0	17.59	17.74	17.84			
10	SSBQAM	25	12	17.67	17.83	17.83	18.4	1.4	
10	SSBQAM	25	25	17.59	17.70	17.83			
10	SSBQAM	50	0	17.81	17.85	17.83			
Channel									
Frequency (MHz)				793.5	792.5	711.5	19.8	MFR (dB)	
5	QPSK	1	0	19.10	19.12	19.08			
5	QPSK	1	12	18.98	18.99	18.88	19.8	0	
5	QPSK	1	24	18.97	19.04	19.04			
5	QPSK	12	0	18.98	19.09	19.07			
5	QPSK	12	7	18.91	19.02	19.00	19.8	0	
5	QPSK	12	13	18.92	19.05	19.03			
5	QPSK	25	0	18.88	19.06	19.02			
5	HQAM	1	0	19.04	19.06	19.00	19.8	0	
5	HQAM	1	12	18.91	19.03	19.05			
5	HQAM	1	24	19.05	19.09	19.08			
5	HQAM	12	0	18.91	19.06	19.08			
5	HQAM	12	7	18.97	19.00	19.05	19.8	0	
5	HQAM	12	13	18.92	19.02	19.08			
5	HQAM	25	0	19.02	19.02	19.07			
5	HQAM	1	0	19.04	19.07	19.05			
5	HQAM	1	12	18.91	19.04	19.03	19.8	0	
5	HQAM	1	24	19.05	19.03	19.03			
5	HQAM	12	7	18.98	19.00	19.01	19.8	0	
5	HQAM	12	13	18.92	19.04	19.10			
5	HQAM	25	0	19.05	19.01	19.01			
5	HQAM	1	0	17.59	17.71	17.54	18.4	1.4	
5	SSBQAM	1	0	17.54	17.60	17.60			
5	SSBQAM	12	0	17.51	17.60	17.59			
5	SSBQAM	12	13	17.57	17.65	17.56	18.4	1.4	
5	SSBQAM	25	0	17.47	17.63	17.59			
Channel									
Frequency (MHz)				793.7	792.5	711.5	19.8	MFR (dB)	
1.4	QPSK	1	0	18.98	19.04	19.06			
1.4	QPSK	1	3	18.94	19.03	19.00	19.8	0	
1.4	QPSK	1	6	18.93	19.02	19.02			
1.4	QPSK	3	0	18.97	19.00	19.03			
1.4	QPSK	3	1	19.05	18.98	18.99	19.8	0	
1.4	QPSK	6	0	18.92	19.03	19.07			
1.4	QPSK	6	0	18.91	18.97	19.02	19.8	0	
1.4	HQAM	1	0	19.10	19.07	19.00			
1.4	HQAM	1	3	19.02	19.09	19.09			
1.4	HQAM	1	6	18.97	19.03	19.07	19.8	0	
1.4	HQAM	3	0	19.02	19.06	19.10			
1.4	HQAM	3	1	19.02	19.08	19.03			
1.4	HQAM	6	0	18.93	19.01	19.09	19.8	0	
1.4	HQAM	6	0	19.06	18.99	19.09			
1.4	HQAM	1	3	18.94	18.99	19.01			
1.4	HQAM	1	6	19.01	19.02	19.06	19.8	0	
1.4	HQAM	3	0	19.05	19.02	19.05			
1.4	HQAM	3	1	18.97	19.10	19.09			
1.4	HQAM	6	0	19.04	18.98	19.04	19.8	0	
1.4	SSBQAM	1	0	17.67	17.72	17.69			
1.4	SSBQAM	1	3	17.64	17.68	17.67	18.4	1.4	
1.4	SSBQAM	1	6	17.53	17.73	17.67			
1.4	SSBQAM	3	0	17.52	17.69	17.58			
1.4	SSBQAM	3	1	17.59	17.61	17.59	18.4	1.4	
1.4	SSBQAM	6	0	17.49	17.63	17.56			
1.4	SSBQAM	6	0	17.49	17.55	17.58			
1.4	SSBQAM	6	5	17.48	17.59	17.58	18.4	1.4	

Band 13_Ant 1									
BW (MHz)	Modulation	RE Res	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up (int.) (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				723.5	763	763			
10	QPSK	1	0		22.90				
10	QPSK	1	25		22.94		23.8	0	
10	QPSK	1	49		22.93				
10	QPSK	25	0		22.93				
10	QPSK	25	12		22.73		23.8	0	
10	QPSK	25	25		22.72				
10	QPSK	50	0		22.85				
10	HQAM	1	0		22.88		23.8	0	
10	HQAM	1	25		22.97				
10	HQAM	1	49		22.87				
10	HQAM	25	0		22.16				
10	HQAM	25	12		22.11		22.8	1	
10	HQAM	25	25		22.16				
10	HQAM	50	0		22.59				
10	HQAM	1	0		21.74				
10	HQAM	1	25		21.89		22.8	1	
10	HQAM	1	49		21.70				
10	HQAM	25	0		21.05				
10	HQAM	25	12		21.04		21.8	2	
10	HQAM	25	25		21.12				
10	HQAM	50	0		21.08				
10	SSBQAM	1	0		18.10		18.8	5	
10	SSBQAM	1	25		18.12				
10	SSBQAM	1	49		18.09				
10	SSBQAM	25	0		18.09		18.8	5	
10	SSBQAM	25	12		18.14				
10	SSBQAM	25	25		18.13				
10	SSBQAM	50	0		18.19				
Channel									
Frequency (MHz)				723.5	763	763.5	19.8	MFR (dB)	
5	QPSK	1	0	22.84	22.92	22.93			
5	QPSK	1	12	22.70	22.71	22.84	23.8	0	
5	QPSK	1	24	22.74	22.82	22.85			
5	QPSK	12	0	22.70	22.73	22.70			
5	QPSK	12	7	22.60	22.69	22.49	23.8	0	
5	QPSK	12	13	22.63	22.58	22.64			
5	QPSK	25	0	22.71	22.69	22.68			
5	HQAM	1	0	22.80	22.79	22.82	23.8	0	
5	HQAM	1	12	22.84	22.81	22.81			
5	HQAM	1	24	22.83	22.79	22.78			
5	HQAM	12	0	22.63	22.65	22.62			
5	HQAM	12	7	21.98	21.93	21.88	22.8	1	
5	HQAM	12	13	21.96	22.08	21.96			
5	HQAM	25	0	22.63	22.52	22.67			
5	HQAM	1	0	21.66	21.64	21.68			
5	HQAM	1	12	21.52	21.55	21.53	22.8	1	
5	HQAM	1	24	21.65	21.62	21.62			
5	HQAM	12	7	20.99	20.98	20.95	21.8	2	
5	HQAM	12	13	20.96	21.01	20.96			
5	HQAM	25	0	20.95	20.92	20.93			
5	SSBQAM	1	0	18.00	17.99	17.97	18.8	5	
5	SSBQAM	1	12	17.96	17.87	17.97			
5	SSBQAM	1	24	17.98	17.88	17.85			
5	SSBQAM	12	0	17.87	17.83	17.86			
5	SSBQAM	12	7	17.94	17.98	17.94	18.8	5	
5	SSBQAM	12	13	17.87	18.04	17.98			
5	SSBQAM	25	0	17.98	18.07	18.12			

Band 13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up (int.) (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				723.5	763	763			
10	QPSK	1	0		25.02				
10	QPSK	1	25		25.19		21	0	
10	QPSK	1	49		25.15				
10	QPSK	25	0		25.01				
10	QPSK	25	12		25.14		21	0	
10	QPSK	25	25		25.12				
10	QPSK	50	0		25.13				
10	HQAM	1	0		25.20				
10	HQAM	1	25		25.12		21	0	
10	HQAM	1	49		25.16				
10	HQAM	25	0		25.21				
10	HQAM	25	12		25.13		21	0	
10	HQAM	25	25		25.15				
10	HQAM	50	0		25.13				
10	HQAM	50	0		17.68				
10	SSBAM	1	25		17.62		18.4	2.6	
10	SSBAM	1	49		17.64				
10	SSBAM	25	12		17.65				
10	SSBAM	25	25		17.58		18.4	2.6	
10	SSBAM	50	0		17.64				
Channel									
Frequency (MHz)				23005	23235	23465	Time-up (int.) (dBm)	MFR (dB)	
5	QPSK	1	0 <td>773.7</td> <td>722</td> <td>724.5</td> <td></td> <td></td> <td></td>	773.7	722	724.5			
5	QPSK	1	12	20.07	20.07	20.08	21	0	
5	QPSK	1	24	20.06	20.09	20.08			
5	QPSK	12	0	20.13	20.13	20.13			
5	QPSK	12	7	20.05	20.09	20.13	21	0	
5	QPSK	12	13	20.03	20.09	20.07			
5	QPSK	12	19	20.12	20.12	20.12			
5	HQAM	1	0	20.07	20.10	20.18			
5	HQAM	1	12	20.15	20.21	20.16	21	0	
5	HQAM	1	24	20.02	20.02	20.08			
5	HQAM	12	0	20.13	20.13	20.13			
5	HQAM	12	7	20.05	20.02	20.07	21	0	
5	HQAM	12	13	20.04	20.03	20.11			
5	HQAM	25	0	20.02	20.08	20.03			
5	HQAM	1	0	20.15	20.12	20.16			
5	HQAM	1	12	20.14	20.09	20.07	21	0	
5	HQAM	1	24	20.05	20.06	20.19			
5	HQAM	12	0	20.05	20.08	20.15			
5	HQAM	12	7	20.02	20.07	20.09			
5	HQAM	12	13	20.11	20.03	20.19			
5	HQAM	25	0	20.16	20.13	20.18			
5	SSBAM	1	12	17.65	17.61	17.52			
5	SSBAM	1	12	17.59	17.47	17.58	18.4	2.6	
5	SSBAM	1	24	17.72	17.61	17.72			
5	SSBAM	12	0	17.58	17.61	17.58			
5	SSBAM	12	7	17.49	17.44	17.45	18.4	2.6	
5	SSBAM	12	13	17.48	17.52	17.46			
5	SSBAM	25	0	17.63	17.63	17.63			

Band 17_Ant 0												
BW (MHz)	Modulation	RB Sub	RB Offset	Power Lb Ch / Freq	Power Mde Ch / Freq	Power Hb Ch / Freq	Time-up Int (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
23560 23560 23560												
706 705 711												
15	QPSK	1	0	20.15	20.23	20.15						
15	QPSK	1	25	20.05	20.10	20.08	20.8	0				
15	QPSK	1	40	20.07	20.11	20.08						
15	QPSK	25	0	20.11	20.23	20.13						
15	QPSK	25	12	20.07	20.18	20.04	20.8	0				
15	QPSK	25	25	20.07	20.15	20.08						
15	QPSK	50	0	20.08	20.20	20.11						
15	HQAM	1	0	20.12	20.10	20.08	20.8	0				
15	HQAM	1	25	20.05	20.12	20.01						
15	HQAM	1	40	20.11	20.19	20.12						
15	HQAM	25	0	20.03	20.14	20.00						
15	HQAM	25	12	20.10	20.18	20.04	20.8	0				
15	HQAM	25	25	20.05	20.14	20.07						
15	HQAM	50	0	20.03	20.13	20.06						
15	HQAM	1	0	20.09	20.14	20.04						
15	HQAM	1	25	20.09	20.11	20.11	20.8	0				
15	HQAM	1	40	20.12	20.17	20.13						
15	HQAM	25	0	19.99	20.02	20.05	20.8	0				
15	HQAM	25	12	20.10	20.15	20.05						
15	HQAM	25	25	19.97	20.01	20.01						
15	HQAM	50	0	20.09	20.23	20.06						
15	SSBDM	1	0	17.74	17.81	17.87						
15	SSBDM	1	25	17.84	17.87	17.86	18.4	2.4				
15	SSBDM	1	40	17.82	17.87	17.86						
15	SSBDM	25	0	17.70	17.78	17.85						
15	SSBDM	25	12	17.72	17.80	17.72	18.4	2.4				
15	SSBDM	25	25	17.58	17.68	17.67						
15	SSBDM	50	0	17.75	17.80	17.74						
Channel												
Frequency (MHz)												
706.8 705 711.5												
5	QPSK	1	0	20.11	20.21	20.05						
5	QPSK	1	12	19.98	20.10	19.88	20.8	0				
5	QPSK	1	24	20.04	20.07	19.89						
5	QPSK	12	0	20.05	20.20	20.12						
5	QPSK	12	7	19.92	20.17	20.00	20.8	0				
5	QPSK	12	13	19.80	20.04	20.07						
5	QPSK	25	0	20.03	20.12	19.96						
5	HQAM	1	0	19.97	19.99	19.94	20.8	0				
5	HQAM	1	12	20.04	19.99	19.87						
5	HQAM	1	24	20.09	20.06	20.01						
5	HQAM	12	0	19.95	19.99	19.93	20.8	0				
5	HQAM	12	7	20.02	20.17	19.91						
5	HQAM	12	13	20.01	20.07	20.04						
5	HQAM	25	0	19.96	20.01	19.94						
5	HQAM	1	0	19.95	20.08	20.02	20.8	0				
5	HQAM	1	12	19.90	20.08	20.04						
5	HQAM	1	24	20.00	20.16	20.03						
5	HQAM	12	0	19.97	20.17	20.05	20.8	0				
5	HQAM	12	7	20.04	20.10	20.02						
5	HQAM	12	13	19.93	20.15	19.90						
5	SSBDM	1	0	17.64	17.72	17.55	18.4	2.4				
5	SSBDM	1	25	17.61	17.85	17.52						
5	SSBDM	1	40	17.57	17.85	17.45						
5	SSBDM	25	0	17.57	17.65	17.54						
5	SSBDM	25	12	17.60	17.72	17.65	18.4	2.4				
5	SSBDM	25	13	17.48	17.61	17.55						
5	SSBDM	25	0	17.67	17.77	17.72						

Band 18_Ant 1												
BW (MHz)	Modulation	RB Sub	RB Offset	Power Lb Ch / Freq	Power Mde Ch / Freq	Power Hb Ch / Freq	Time-up (int (dB))	MFR (dB)				
Channel												
Frequency (MHz)												
726.5 726 726.5												
15	QPSK	1	0	24.76	24.79							
15	QPSK	1	37	24.78			25	0				
15	QPSK	1	74	24.75								
15	QPSK	36	0	24.57								
15	QPSK	36	20	24.50			25	0				
15	QPSK	36	39	24.57								
15	QPSK	75	0	24.41								
15	HQAM	1	0	24.48								
15	HQAM	1	37	24.55			25	0				
15	HQAM	1	74	24.46								
15	HQAM	36	0	23.71								
15	HQAM	36	20	23.81								
15	HQAM	36	39	23.84			24	1				
15	HQAM	75	0	23.83								
15	HQAM	1	0	23.26								
15	HQAM	1	37	23.42			24	1				
15	HQAM	1	74	23.42								
15	HQAM	36	0	22.74								
15	HQAM	36	20	22.81								
15	HQAM	36	39	22.86			23	2				
15	HQAM	75	0	22.73								
15	SSBDM	1	0	19.91								
15	SSBDM	1	37	19.83			20	5				
15	SSBDM	1	74	19.83								
15	SSBDM	36	0	19.66								
15	SSBDM	36	20	19.74			20	5				
15	SSBDM	36	39	19.65								
15	SSBDM	75	0	19.73								
Channel												
Frequency (MHz)												
726.5 726 726.5												
15	QPSK	1	0	24.64	24.69	24.64						
15	QPSK	1	25	24.55	24.64	24.66	25	0				
15	QPSK	1	49	24.57	24.67	24.64						
15	QPSK	25	12	24.29	24.33	24.34						
15	QPSK	25	25	24.27	24.34	24.34						
15	QPSK	50	0	24.23	24.30	24.27						
15	HQAM	1	0	24.40	24.33	24.36	25	0				
15	HQAM	1	24	24.47	24.47	24.40						
15	HQAM	1	49	24.19	24.30	24.30						
15	HQAM	25	0	23.56	23.65	23.56						
15	HQAM	25	12	23.62	23.65	23.63	24	1				
15	HQAM	25	25	23.60	23.75	23.68						
15	HQAM	50	0	23.72	23.63	23.66						
15	HQAM	1	0	23.19	23.18	23.23						
15	HQAM	1	25	23.31	23.34	23.27	24	1				
15	HQAM	1	49	23.27	23.26	23.26						
15	HQAM	25	0	22.40	22.57	22.58						
15	HQAM	25	12	22.50	22.70	22.62	23	2				
15	HQAM	25	25	22.66	22.67	22.72						
15	HQAM	50	0	22.65	22.87	22.87						
15	SSBDM	1	0	19.77	19.65	19.66	20	5				
15	SSBDM	1	25	19.77	19.77	19.69						
15	SSBDM	1	49	19.77	19.65	19.66						
15	SSBDM	25	0	19.42	19.41	19.40						
15	SSBDM	25	12	19.40	19.41	19.40	20	5				
15	SSBDM	25	25	19.50	19.47	19.38						
15	SSBDM	50	0	19.58	19.53	19.51						
Channel												
Frequency (MHz)												
726.5 726 726.5												
5	QPSK	1	0	24.67	24.61	24.65						
5	QPSK	1	12	24.61	24.57	24.66	25	0				
5	QPSK	1	24	24.63	24.57	24.64						
5	QPSK	12	0	24.37	24.30	24.36						
5	QPSK	12	7	24.32	24.26	24.33						
5	QPSK	24	0	24.33	24.26	24.33						
5	HQAM	1	0	24.48	24.41	24.45						
5	HQAM	1	12	24.44	24.40	24.39						
5	HQAM	1	24	24.46	24.40	24.43						
5	HQAM	12	0	24.34	24.26	24.33						
5	HQAM	12	7	24.28	24.21	24.27						
5	HQAM	24	0	24.29	24.23	24.29						
5	HQAM	1	0	23.73	23.72	23.72						
5	HQAM	1	12	23.70	23.72	23.70						
5	HQAM	1	24	23.76	23.71	23.71						
5	HQAM	12	0	22.80	22.81	22.80						
5	HQAM	12	7	22.78	22.82	22.79						
5	HQAM	24	0	22.83	22.77	22.81						
5	HQAM	1	0	22.29	22.28	22.29						
5	HQAM	1	12	22.30	22.27	22.28	23	2				
5	HQAM	1	24	22.36	22.31	22.31						
5	HQAM	12	0	21.40	21.39	21.40						
5	HQAM	12	7	21.40	21.50	21.48						
5	HQAM	12	24	21.41	21.45	21.39						
5	HQAM	24	0	21.45	21.45	21.39	20	5				
Channel												
Frequency (MHz)												
726.5 726 726.5												
14	QPSK	1	0	24.64	24.61	24.65						
14	QPSK	1	6	24.61	24.59	24.61	25	0				
14	QPSK	1	12	24.61	24.59	24.61						
14	QPSK	6	0	24.51	24.51	24.51						
14	QPSK	6	6	24.52	24.51	24.51	25	0				
14	QPSK	6	12	24.51	24.51	24.51						
14	QPSK	6	18	24.51	24.51	24.51						
14	QPSK	6	24	24.51	24.51	24.51						
14	HQAM	1	0	24.30	24.37	24.34						
14	HQAM	1	6	24.42	24.44	24.38						
14	HQAM	1	12	24.42	24.44	24.38						
14	HQAM	6	0	24.25	24.28	24.26	25	0				
14	HQAM	6	6	24.25	24.28	24.26						
14	HQAM	6	12	24.25	24.28	24.26						
14	HQAM	6	18	24.25	24.28	24.26						
14	HQAM	6	24	24.25	24.28	24.26						
14	HQAM	12	0	23.70	23.63	23.75	24	1				
14	HQAM	12	6	23.72	23.63	23.67						
14	HQAM	12	12	23.72	23.63	23.67						
14	HQAM	12	18	23.72	23.63	23.67	24	1				
14	HQAM	12	24	23.72	23.63	23.67						
14	HQAM	24	0	22.83	22.86	22.85	23	2				
14	HQAM	24	6	22.83	22.86	22.85						
14	HQAM	24	12	22.83	22.86	22.85						
14	HQAM	24	18	22.83	22.86	22.85						
14	HQAM	24	24	22.83	22.86	22.85						
14	SSBDM	1	0	19.71	19.59	19.61						
14	SSBDM	1	6	19.77	19.65	19.75						
14	SSBDM	1	12	19.77	19.65	19.75						
14	SSBDM	6	0	19.45	19.45	19.45	20	5				
14	SSBDM	6	6	19.45	19.45	19.45						
14	SSBDM	6	12	19.45	19.45	19.45						
14	SSBDM	6	18	19.45	19.45	19.45						
14	SSBDM	6	24	19.45	19.45	19.45						
14	SSBDM	12	0	19.59	19.61	19.58						
14	SSBDM	12	6	19.42	19.63	19.46						
14	SSBDM	12	12	19.42	19.63	19.46						
14	SSBDM	12	18	19.42	19.63	19.46						
14	SSBDM	12	24	19.42	19.63	19.46						

Band 19_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (dB)	MFR (dB)	Ch. Delta ±0.5
Channel 1									
Frequency (MHz)				837.5			19.3	0	0.07
15	QPSK	1	0	18.94	18.94	18.94			
15	QPSK	1	37	18.99	18.99	18.99	19.3	0	0.10
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	20	18.98	18.98	18.98	19.3	0	0.04
15	QPSK	36	56	18.99	18.99	18.99			
15	QPSK	36	93	18.94	18.94	18.94	19.3	0	0.12
15	QPSK	75	0	18.98	18.98	18.98			
15	QPSK	1	0	18.99	18.99	18.99	19.3	0	0.05
15	QPSK	1	37	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99	18.99			
15	QPSK	36	56	18.94	18.94	18.94	19.3	0	0.10
15	QPSK	75	0	18.97	18.97	18.97			
15	QPSK	1	37	18.97	18.97	18.97	19.3	0	0.05
15	QPSK	1	74	18.94	18.94	18.94			
15	QPSK	36	0	18.98	18.98	18.98	19.3	0	0.12
15	QPSK	36	20	18.99	18.99				

Band 26(FCC)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
Frequency (MHz)				811.5	811.5	811.5			
15	QPSK	1	0	24.15	24.15	24.15	24.5	0	
15	QPSK	1	37	24.15	24.08	24.08			
15	QPSK	1	74	24.07	24.11	24.03	24.5	0	
15	QPSK	36	20	24.07	24.08	24.02			
15	QPSK	36	38	24.07	24.15	24.03	24.5	0	
15	QPSK	36	75	24.07	24.05	24.07			
15	HQAM	1	0	24.18	24.18	24.12	24.5	0	
15	HQAM	1	37	24.13	24.09	24.11			
15	HQAM	1	74	24.07	24.14	24.05	24	0.5	
15	HQAM	36	20	23.98	23.97	24.02			
15	HQAM	36	38	23.98	24.05	23.97	24	0.5	
15	HQAM	36	75	23.98	24.05	23.92			
15	HQAM	75	0	23.93	23.92	23.92	24	0.5	
15	HQAM	1	0	23.98	23.97	23.91			
15	HQAM	1	37	23.98	23.92	23.97	24	0.5	
15	HQAM	1	74	23.91	23.96	23.97			
15	HQAM	36	20	23.97	23.95	23.97	24	0.5	
15	HQAM	36	38	23.97	24.03	23.95			
15	HQAM	36	75	23.97	24.03	23.94	24	0.5	
15	HQAM	75	0	23.91	23.99	23.91			
Frequency (MHz)				26765	26865	26965	Turn-up time (dBm)	MFR (dB)	
Frequency (MHz)				811.5	811.5	811.5			
15	QPSK	1	0	24.15	24.15	24.15	24.5	0	
15	QPSK	1	26	24.04	24.02	23.97			
15	QPSK	1	48	23.98	24.02	23.94	24.5	0	
15	QPSK	1	70	23.98	24.02	23.92			
15	QPSK	25	12	23.96	23.97	23.88	24.5	0	
15	QPSK	25	26	23.94	24.14	24.01			
15	QPSK	25	50	23.94	24.01	23.92	24.5	0	
15	HQAM	1	0	24.18	24.18	24.14			
15	HQAM	1	26	24.03	23.94	24.04	24.5	0	
15	HQAM	1	50	24.03	23.94	24.04			
15	HQAM	25	0	23.99	23.90	23.93	24	0.5	
15	HQAM	25	12	23.93	23.98	23.99			
15	HQAM	25	26	23.93	24.08	23.99	24	0.5	
15	HQAM	50	0	23.94	23.93	23.97			
15	HQAM	50	12	23.93	23.98	23.97	24	0.5	
15	HQAM	50	26	23.93	24.08	23.99			
15	HQAM	1	0	23.94	23.93	23.97	24	0.5	
15	HQAM	1	26	23.94	23.93	23.97			
15	HQAM	1	50	23.94	23.93	23.97	24	0.5	
15	HQAM	25	0	23.94	23.93	23.97			
15	HQAM	25	12	23.94	23.93	23.97	24	0.5	
15	HQAM	25	26	23.94	23.93	23.97			
15	HQAM	50	0	23.94	23.93	23.97	24	0.5	
15	HQAM	50	12	23.94	23.93	23.97			
15	HQAM	50	26	23.94	23.93	23.97	24	0.5	
15	HQAM	1	0	23.94	23.93	23.97			
15	HQAM	1	26	23.94	23.93	23.97	24	0.5	
15	HQAM	1	50	23.94	23.93	23.97			
15	HQAM	25	0	23.94	23.93	23.97	24	0.5	
15	HQAM	25	12	23.94	23.93	23.97			
15	HQAM	25	26	23.94	23.93	23.97	24	0.5	
15	HQAM	50	0	23.94	23.93	23.97			
15	HQAM	50	12	23.94	23.93	23.97	24	0.5	
15	HQAM	50	26	23.94	23.93	23.97			
Channel				26765	26865	27025	Turn-up time (dBm)	MFR (dB)	
Frequency (MHz)				811.5	811.5	811.5			
5	QPSK	1	0	24.15	24.15	24.15	24.5	0	
5	QPSK	1	12	24.02	23.96	24.03			
5	QPSK	1	24	23.99	23.98	24.04	24.5	0	
5	QPSK	1	36	23.98	24.02	23.99			
5	QPSK	12	7	23.94	24.01	23.97	24.5	0	
5	QPSK	12	19	23.98	24.01	23.92			
5	QPSK	12	31	23.96	24.06	23.99	24.5	0	
5	HQAM	1	0	24.18	24.12	24.03			
5	HQAM	1	12	24.07	24.01	24.05	24.5	0	
5	HQAM	1	24	23.99	24.02	23.98			
5	HQAM	12	7	23.97	24.01	23.98	24	0.5	
5	HQAM	12	19	23.97	24.01	23.94			
5	HQAM	12	31	23.96	24.06	23.99	24	0.5	
5	HQAM	25	0	23.93	23.90	23.93			
5	HQAM	25	12	23.93	23.98	23.99	24	0.5	
5	HQAM	25	24	23.93	24.08	23.99			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.93	23.98	23.99			
5	HQAM	50	24	23.93	24.08	23.99	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24	0.5	
5	HQAM	1	24	23.94	23.90	23.93			
5	HQAM	12	7	23.94	23.90	23.93	24	0.5	
5	HQAM	12	19	23.94	23.90	23.93			
5	HQAM	12	31	23.94	23.90	23.93	24	0.5	
5	HQAM	25	0	23.94	23.90	23.93			
5	HQAM	25	12	23.94	23.90	23.93	24	0.5	
5	HQAM	25	24	23.94	23.90	23.93			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.94	23.90	23.93			
5	HQAM	50	24	23.94	23.90	23.93	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24	0.5	
5	HQAM	1	24	23.94	23.90	23.93			
5	HQAM	12	7	23.94	23.90	23.93	24	0.5	
5	HQAM	12	19	23.94	23.90	23.93			
5	HQAM	12	31	23.94	23.90	23.93	24	0.5	
5	HQAM	25	0	23.94	23.90	23.93			
5	HQAM	25	12	23.94	23.90	23.93	24	0.5	
5	HQAM	25	24	23.94	23.90	23.93			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.94	23.90	23.93			
5	HQAM	50	24	23.94	23.90	23.93	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24	0.5	
5	HQAM	1	24	23.94	23.90	23.93			
5	HQAM	12	7	23.94	23.90	23.93	24	0.5	
5	HQAM	12	19	23.94	23.90	23.93			
5	HQAM	12	31	23.94	23.90	23.93	24	0.5	
5	HQAM	25	0	23.94	23.90	23.93			
5	HQAM	25	12	23.94	23.90	23.93	24	0.5	
5	HQAM	25	24	23.94	23.90	23.93			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.94	23.90	23.93			
5	HQAM	50	24	23.94	23.90	23.93	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24	0.5	
5	HQAM	1	24	23.94	23.90	23.93			
5	HQAM	12	7	23.94	23.90	23.93	24	0.5	
5	HQAM	12	19	23.94	23.90	23.93			
5	HQAM	12	31	23.94	23.90	23.93	24	0.5	
5	HQAM	25	0	23.94	23.90	23.93			
5	HQAM	25	12	23.94	23.90	23.93	24	0.5	
5	HQAM	25	24	23.94	23.90	23.93			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.94	23.90	23.93			
5	HQAM	50	24	23.94	23.90	23.93	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24	0.5	
5	HQAM	1	24	23.94	23.90	23.93			
5	HQAM	12	7	23.94	23.90	23.93	24	0.5	
5	HQAM	12	19	23.94	23.90	23.93			
5	HQAM	12	31	23.94	23.90	23.93	24	0.5	
5	HQAM	25	0	23.94	23.90	23.93			
5	HQAM	25	12	23.94	23.90	23.93	24	0.5	
5	HQAM	25	24	23.94	23.90	23.93			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.94	23.90	23.93			
5	HQAM	50	24	23.94	23.90	23.93	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24	0.5	
5	HQAM	1	24	23.94	23.90	23.93			
5	HQAM	12	7	23.94	23.90	23.93	24	0.5	
5	HQAM	12	19	23.94	23.90	23.93			
5	HQAM	12	31	23.94	23.90	23.93	24	0.5	
5	HQAM	25	0	23.94	23.90	23.93			
5	HQAM	25	12	23.94	23.90	23.93	24	0.5	
5	HQAM	25	24	23.94	23.90	23.93			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.94	23.90	23.93			
5	HQAM	50	24	23.94	23.90	23.93	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24	0.5	
5	HQAM	1	24	23.94	23.90	23.93			
5	HQAM	12	7	23.94	23.90	23.93	24	0.5	
5	HQAM	12	19	23.94	23.90	23.93			
5	HQAM	12	31	23.94	23.90	23.93	24	0.5	
5	HQAM	25	0	23.94	23.90	23.93			
5	HQAM	25	12	23.94	23.90	23.93	24	0.5	
5	HQAM	25	24	23.94	23.90	23.93			
5	HQAM	50	0	23.94	23.90	23.93	24	0.5	
5	HQAM	50	12	23.94	23.90	23.93			
5	HQAM	50	24	23.94	23.90	23.93	24	0.5	
5	HQAM	1	0	23.94	23.90	23.93			
5	HQAM	1	12	23.94	23.90	23.93	24		

Band 66_Ant 5													
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (ms)	MPE (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	17.25	17.42	17.52							
20	QPSK	1	49	23.85	23.79	23.73	25	0					
20	QPSK	1	99	23.92	24.01	23.93							
20	QPSK	50	0	23.85	23.85	23.85							
20	QPSK	50	24	23.87	23.81	23.50							
20	QPSK	50	48	23.85	23.83	23.54							
20	QPSK	100	0	23.84	23.83	23.82							
20	16QAM	1	0	23.74	23.80	23.82							
20	16QAM	1	49	23.74	23.80	23.82	25	0					
20	16QAM	1	99	23.75	23.87	23.71							
20	16QAM	50	0	22.91	22.95	22.98							
20	16QAM	50	24	23.02	23.03	22.99							
20	16QAM	50	48	22.94	23.08	22.85	24	1					
20	16QAM	100	0	22.98	23.10	22.92							
20	16QAM	1	0	22.99	22.94	22.91							
20	16QAM	1	49	22.99	22.72	22.46	24	1					
20	16QAM	1	99	22.91	22.99	22.46							
20	16QAM	50	0	21.95	22.06	21.99							
20	16QAM	50	24	21.95	22.02	21.95	23	2					
20	16QAM	50	48	21.87	22.01	21.76							
20	16QAM	100	0	22.02	22.09	21.98							
20	256QAM	1	0	19.05	19.16	19.01							
20	256QAM	1	49	19.06	19.17	18.99	20	5					
20	256QAM	1	99	19.15	19.17	18.99							
20	256QAM	50	0	18.99	19.04	18.94							
20	256QAM	50	24	18.93	19.03	18.95	20	5					
20	256QAM	50	48	18.91	18.91	18.91							
20	256QAM	100	0	18.94	19.07	18.79							
Channel													
Frequency (MHz)													
15	QPSK	1	0	17.73	17.54	17.73							
15	QPSK	1	37	23.84	23.84	23.73	25	0					
15	QPSK	1	74	23.84	23.84	23.76							
15	QPSK	50	0	23.96	23.95	23.91							
15	QPSK	50	24	23.47	23.54	23.45	25	0					
15	QPSK	50	48	23.91	23.51	23.47							
15	QPSK	75	0	23.41	23.54	23.32							
15	16QAM	1	0	23.72	23.68	23.57							
15	16QAM	1	37	23.69	23.66	23.53	25	0					
15	16QAM	1	74	23.70	23.79	23.62							
15	16QAM	50	0	22.90	23.04	22.94							
15	16QAM	50	24	22.92	22.95	22.91							
15	16QAM	50	48	22.87	22.87	22.82	24	1					
15	16QAM	75	0	22.87	23.04	22.91							
15	16QAM	1	74	22.94	22.97	22.92	24	1					
15	16QAM	1	96	22.81	23.01	22.81							
15	16QAM	36	20	21.82	21.87	21.81	23	2					
15	16QAM	36	59	21.75	21.96	21.71							
15	256QAM	1	0	19.07	19.16	18.99							
15	256QAM	1	48	19.00	19.06	18.96	20	5					
15	256QAM	1	96	19.06	19.06	18.96							
15	256QAM	50	0	18.96	18.99	18.96							
15	256QAM	50	24	18.79	18.95	18.74	20	5					
15	256QAM	50	48	18.92	19.00	18.75							
Channel													
Frequency (MHz)													
10	QPSK	1	0	17.25	17.42	17.52							
10	QPSK	1	25	23.73	23.84	23.80	25	0					
10	QPSK	1	50	23.91	23.89	23.72							
10	QPSK	25	0	23.99	23.97	23.92							
10	QPSK	25	12	23.42	23.53	23.47	25	0					
10	QPSK	25	48	23.44	23.50	23.48							
10	QPSK	50	0	23.45	23.48	23.36							
10	16QAM	1	0	23.63	23.65	23.57							
10	16QAM	1	25	23.65	23.76	23.56							
10	16QAM	1	49	23.61	23.82	23.58							
10	16QAM	25	0	22.86	23.04	22.78							
10	16QAM	25	12	22.91	22.98	22.97							
10	16QAM	25	25	22.86	23.04	22.79	24	1					
10	16QAM	50	0	22.84	22.97	22.78							
10	16QAM	50	12	22.81	22.80	22.79							
10	16QAM	1	25	22.51	22.69	22.45	24	1					
10	16QAM	1	49	22.37	22.54	22.43							
10	16QAM	25	0	21.80	21.92	21.85							
10	16QAM	25	12	21.86	21.90	21.82	23	2					
10	16QAM	25	50	21.81	22.02	21.71							
10	256QAM	1	0	19.04	19.07	18.91							
10	256QAM	1	25	19.00	19.07	18.93	20	5					
10	256QAM	1	49	19.12	19.02	18.97							
10	256QAM	25	0	18.98	18.99	18.90							
10	256QAM	25	12	18.93	18.95	18.73	20	5					
10	256QAM	25	50	18.94	18.96	18.89							
10	256QAM	50	0	18.92	18.98	18.78							
Channel													
Frequency (MHz)													
5	QPSK	1	0	17.73	17.54	17.73							
5	QPSK	1	12	23.71	23.97	23.62	25	0					
5	QPSK	1	24	23.79	23.97	23.76							
5	QPSK	12	0	23.51	23.64	23.54							
5	QPSK	12	7	23.51	23.59	23.38	25	0					
5	QPSK	12	14	23.56	23.56	23.47							
5	QPSK	25	0	23.42	23.51	23.34							
5	16QAM	1	0	23.71	23.65	23.60	25	0					
5	16QAM	1	12	23.71	23.71	23.57							
5	16QAM	1	24	23.68	23.86	23.61							
5	16QAM	12	0	22.82	22.95	22.87							
5	16QAM	12	7	22.88	22.89	22.86							
5	16QAM	12	14	22.91	22.90	22.78	24	1					
5	16QAM	25	0	22.94	23.02	22.91							
5	16QAM	1	24	22.42	22.49	22.26							
5	16QAM	1	25	22.40	22.49	22.26							
5	16QAM	12	0	21.80	22.05	21.79							
5	16QAM	12	14	21.86	21.96	21.87	23	2					
5	16QAM	25	0	21.90	21.97	21.84							
5	16QAM	25	12	21.96	21.95	21.86							
5	256QAM	1	0	19.07	19.17	18.98							
5	256QAM	1	24	19.03	19.07	18.98	20	5					
5	256QAM	1	24	19.11	19.10	18.92							
5	256QAM	12	0	18.94	18.91	18.80							
5	256QAM	12	7	18.94	18.91	18.74	20	5					
5	256QAM	12	14	18.93	18.96	18.79							
5	256QAM	25	0	18.92	18.98	18.78							
Channel													
Frequency (MHz)													
1	QPSK	1	0	17.15	17.44	17.65							
1	QPSK	1	8	23.83	23.93	23.75	25	0					
1	QPSK	1	14	23.86	23.87	23.82							
1	QPSK	8	0	23.93	23.93	23.93							
1	QPSK	8	4	23.83	23.87	23.82							
1	QPSK	8	7	23.82	23.86	23.82							
1	QPSK	15	0	23.82	23.87	23.87	20	5					
1	16QAM	1	8	23.86	23.73	23.64							
1	16QAM	1	14	23.87	23.76	23.65							
1	16QAM	8	0	22.96	23.06	22.96	25	0					
1	16QAM	8	4	22.89	22.95	22.85							
1	16QAM	8	7	22.90	23.07	22.79	24	1					
1	16QAM	15	0	22.86	22.98	22.81							
1	16QAM	1	14	22.42	22.60	22.39							
1	16QAM	1	15	22.40	22.60	22.39							
1	16QAM	8	14	22.32	22.54	22.36	23	2					
1	16QAM	8	7	21.91	21.93	21.84							
1	16QAM	8	14	21.95	21.95	21.89							
1	16QAM	8	7	21.82	21.93	21.76	23	2					
1	16QAM	15	0	21.94	21.96	21.84							
1	256QAM	1	8	19.04	19.05	18.95	20	5					
1	256QAM	1	8	19.04	19.02	18.92							
1	256QAM	1	14	19.04	19.16	18.96							
1	256QAM	8	0	18.91	18.89	18.89							
1	256QAM	8	4	18.91	18.91	18.76	20	5					
1	256QAM	8	7	18.96	19.00	18.90							
1	256QAM	15	0	18.92	18.98	18.65							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	17.02	17.44	17.63							
1.4	QPSK	1	3	23.74	23.59	23.54	25	0					
1.4	QPSK	1	5	23.88	23.69	23.71							
1.4	QPSK	1	8	23.93	23.83	23.75	25	0					
1.4	QPSK	3	0	23.55	23.57	23.47							
1.4	QPSK	3	3	23.56	23.55	23.40							
1.4	QPSK	3	6	23.58	23.58	23.42	25	0					
1.4	16QAM	1	3	23.68	23.70	23.51							
1.4	16QAM	1	3	23.69	23.77	23.51							
1.4	16QAM	3	0	23.60	23.73	23.56	25	0					
1.4	16QAM	3	3	23.60	23.69	23.43							
1.4	16QAM	3	6	23.68	23.65	23.55							
1.4	16QAM	6	0	22.93	23.05	22.91	24	1					
1.4	16QAM	1	0	22.93	22.93	22.90							
1.4	16QAM	1	3	22.91	22.92	22.86							
1.4	16QAM	3	0	22.49	22.62	22.25							
1.4	16QAM	3	3	22.48	22.65	22.25							
1.4	16QAM	3	6	22.46	22.65	22.25	23	2					
1.4	256QAM	1	3	18.94	18.98	18.94							
1.4	256QAM	1	3	19.01	19.11	19.00	20	5					

Band 66_Ant 7											
RF [MHz]	Modulation	RB [Hz]	RB Offset	Power Low Ch / Freq	Power Modu Ch / Freq	Power High Ch / Freq	Tune-up Int. [dB]	MPE [dB]			
Channel				13072	13252	13272					
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	18.00	18.15	18.11	19.8	0			
20	QPSK	1	49	19.01	19.00	19.02					
20	QPSK	1	99	19.02	19.01	19.02					
20	QPSK	50	0	18.00	18.11	18.08	19.8	0			
20	QPSK	50	24	19.03	19.03	19.02					
20	QPSK	50	50	19.05	19.01	19.04					
20	16QAM	1	0	19.07	19.06	18.98	19.8	0			
20	16QAM	1	49	19.09	19.01	19.05					
20	16QAM	50	0	18.99	19.07	19.05					
20	16QAM	50	24	19.09	19.01	19.10	19.8	0			
20	16QAM	100	0	19.10	19.03	18.99					
20	16QAM	1	0	18.98	19.10	19.09					
20	16QAM	1	49	19.10	19.10	19.01	19.8	0			
20	16QAM	50	0	19.07	19.09	19.09					
20	16QAM	50	24	19.04	19.04	19.12					
20	16QAM	50	50	19.12	19.01	19.02	19.8	0			
20	16QAM	100	0	19.07	19.08	18.98					
20	256QAM	1	0	16.32	16.45	16.41					
20	256QAM	1	49	16.44	16.48	16.38	17.1	2.7			
20	256QAM	1	99	16.36	16.47	16.38					
20	256QAM	50	0	16.44	16.45	16.39					
20	256QAM	50	24	16.39	16.45	16.44					
20	256QAM	50	50	16.39	16.43	16.39					
20	256QAM	100	0	16.33	16.42	16.34					
Channel				13072	13252	13272	Tune-up Int. [dB]	MPE [dB]			
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	18.87	18.91	18.87	19.8	0			
15	QPSK	1	37	18.97	18.98	18.87					
15	QPSK	1	74	18.97	18.98	18.87					
15	QPSK	36	0	18.94	19.00	19.03	19.8	0			
15	QPSK	36	20	18.95	18.91	18.91					
15	QPSK	36	36	18.93	18.97	18.95					
15	QPSK	75	0	18.89	19.02	18.98	19.8	0			
15	16QAM	1	0	19.00	18.99	18.93					
15	16QAM	1	37	18.91	18.98	18.94					
15	16QAM	1	74	18.98	18.97	18.88	19.8	0			
15	16QAM	36	0	18.94	18.95	18.99					
15	16QAM	36	20	18.96	18.92	18.97					
15	16QAM	36	39	19.05	19.07	19.01	19.8	0			
15	16QAM	75	0	19.04	18.97	18.95					
15	16QAM	1	0	18.89	19.09	18.89					
15	16QAM	1	37	19.00	19.03	18.91	19.8	0			
15	16QAM	1	74	18.94	18.96	18.86					
15	16QAM	36	0	19.04	18.94	18.93					
15	16QAM	36	20	18.99	18.99	18.99	19.8	0			
15	16QAM	36	39	19.01	19.05	18.95					
15	16QAM	75	0	19.05	19.05	18.95					
15	256QAM	1	0	16.27	16.33	16.26	17.1	2.7			
15	256QAM	1	37	16.36	16.38	16.25					
15	256QAM	1	74	16.25	16.34	16.35					
15	256QAM	36	0	16.36	16.31	16.23	17.1	2.7			
15	256QAM	36	20	16.25	16.39	16.43					
15	256QAM	36	39	16.31	16.31	16.39					
15	256QAM	75	0	16.19	16.30	16.32					
Channel				13072	13252	13272	Tune-up Int. [dB]		MPE [dB]		
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	19.03	19.04	18.98	19.8	0			
10	QPSK	1	25	19.00	18.98	18.89					
10	QPSK	1	49	19.01	19.03	18.93					
10	QPSK	25	0	18.95	19.00	18.99	19.8	0			
10	QPSK	25	12	18.98	18.91	18.89					
10	QPSK	25	24	18.94	18.95	19.02					
10	QPSK	50	0	18.89	18.93	18.98	19.8	0			
10	16QAM	1	0	18.92	18.92	18.91					
10	16QAM	1	25	18.89	18.97	18.97					
10	16QAM	1	49	18.97	18.94	18.99	19.8	0			
10	16QAM	25	0	18.98	18.95	18.97					
10	16QAM	25	12	18.95	19.00	19.07					
10	16QAM	25	20	18.96	19.08	18.98	19.8	0			
10	16QAM	50	0	18.96	18.94	18.95					
10	16QAM	1	0	18.90	19.00	18.94					
10	16QAM	1	25	18.98	19.04	18.91	19.8	0			
10	16QAM	1	49	19.08	18.96	18.96					
10	16QAM	25	0	18.93	18.94	18.99					
10	16QAM	25	12	18.90	18.93	19.10	19.8	0			
10	16QAM	25	25	18.98	18.99	18.98					
10	16QAM	50	0	19.03	18.93	18.91					
10	256QAM	1	0	16.26	16.35	16.26	17.1	2.7			
10	256QAM	1	25	16.38	16.39	16.27					
10	256QAM	1	49	16.35	16.37	16.27					
10	256QAM	25	0	16.33	16.34	16.29	17.1	2.7			
10	256QAM	25	12	16.33	16.37	16.29					
10	256QAM	25	25	16.29	16.28	16.29					
Channel				13167	13252	13272	Tune-up Int. [dB]		MPE [dB]		
Frequency (MHz)				1712.5	1745	1772.5					
5	QPSK	1	0	19.05	19.04	19.03	19.8		0		
5	QPSK	1	12	18.99	18.94	18.95					
5	QPSK	1	24	19.01	18.92	18.95					
5	QPSK	12	0	19.04	19.08	18.98	19.8	0			
5	QPSK	12	7	18.97	18.91	18.96					
5	QPSK	12	14	18.94	18.98	18.91					
5	QPSK	25	0	18.93	19.03	18.99	19.8	0			
5	16QAM	1	0	19.03	19.02	18.88					
5	16QAM	1	12	18.93	19.02	19.03					
5	16QAM	1	24	18.96	18.97	18.94	19.8	0			
5	16QAM	12	0	18.90	18.94	18.92					
5	16QAM	12	7	19.07	18.97	18.97					
5	16QAM	12	14	19.02	19.01	19.08	19.8	0			
5	16QAM	25	0	18.99	18.94	18.93					
5	16QAM	1	0	18.94	19.06	18.99					
5	16QAM	1	12	19.01	19.02	18.99	19.8	0			
5	16QAM	1	24	18.96	18.98	18.91					
5	16QAM	12	0	18.96	18.91	18.88					
5	16QAM	12	7	19.09	18.95	19.11	19.8	0			
5	16QAM	12	14	19.0							
5	16QAM	25	0	18.95	18.94	18.95					
5	256QAM	1	0	16.23	16.34	16.27	17.1	2.7			
5	256QAM	1	12	16.34	16.41	16.32					
5	256QAM	1	24	16.31	16.39	16.31					
5	256QAM	12	0	16.33	16.37	16.29	17.1	2.7			
5	256QAM	12	7	16.38	16.42	16.32					
5	256QAM	12	14	16.27	16.38	16.27					
Channel				13167	13252	13272	Tune-up Int. [dB]		MPE [dB]		
Frequency (MHz)				1715	1745	1775					
3	QPSK	1	0	19.04	19.04	19.04	19.8		0		
3	QPSK	1	14	18.97	18.98	18.97					
3	QPSK	1	28	18.98	18.99	18.95					
3	QPSK	8	0	18.95	19.00	19.01	19.8	0			
3	QPSK	8	7	18.96	18.90	19.01					
3	QPSK	8	14	18.91	18.93	19.02					
3	QPSK	1	0	19.03	19.03	19.04	19.8	0			
3	16QAM	1	0	18.87	18.92	18.88					
3	16QAM	1	8	18.87	18.92	19.03					
3	16QAM	1	16	18.90	18.91	18.95	19.8	0			
3	16QAM	8	0	18.93	19.07	19.04					
3	16QAM	8	4	19.08	18.90	19.03					
3	16QAM	8	12	19.01	18.97	19.04	19.8	0			
3	16QAM	16	0	19.02	18.98	18.84					
3	16QAM	1	0	18.91	19.07	18.89					
3	16QAM	8	0	18.94	19.02	18.95	19.8	0			
3	16QAM	8	4	19.02	18.96	19.01					
3	16QAM	8	12	19.03	18.92	18.98					
3	16QAM	8	7	19.09	18.94	19.02	19.8	0			
3	16QAM	16	0	18.98	18.97	18.91					
3	16QAM	1	0	18.90	19.03	18.95					
3	256QAM	1	0	16.33	16.42	16.38	17.1	2.7			
3	256QAM	1	14	16.27	16.42	16.30					
3	256QAM	8	0	16.31	16.39	16.31					
3	256QAM	8	4	16.33	16.40	16.38					
3	256QAM	8	7	16.32	16.32	16.31					
3	256QAM	16	0	16.32	16.38	16.31					
Channel				13169	13252	13276	Tune-up Int. [dB]	MPE [dB]			
Frequency (MHz)				1715.5	1745	1775.5					
1.4	QPSK	1	0	19.06	19.17	19.06	19.8	0			
1.4	QPSK	1	14	18.97	18.98	18.97					
1.4	QPSK	1	28	18.98	18.99	18.95					
1.4	QPSK	1	6	18.98	18.97	18.99	19.8	0			
1.4	QPSK	3	0	19.02	19.00	19.01					
1.4	QPSK	3	3	19.02	18.99	19.03					
1.4	16QAM	1	0	19.01	19.06	19.04	19.8	0			
1.4	16QAM	1	8	18.98	18.98	19.05					
1.4	16QAM	1	16	19.00	18.95	19.02					
1.4	16QAM	3	0	19.04	18.90	19.02	19.8	0			
1.4	16QAM	3	3	19.04	18.93	19.05					
1.4	16QAM	3	6	19.02	18.92	19.01					
1.4	16QAM	6	0	19.03	19.02	18.91	19.8	0			
1.4	16QAM	6	3	19.03	18.98	18.85					
1.4	16QAM	3	0	18.97	18.85	18.88					
1.4	16QAM	3	3	19.02	18.90	18.95	19.8	0			
1.4	16QAM	3	6	19.04	19.02	18.97					
1.4	16QAM	3	9	19.02	18.93	18.91					
1.4	256QAM	1	0	16.34	16.						

Band 38_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)				38150	38150	38150				
20	QPSK	1	0	24.57	24.62	24.57	25	0		
20	QPSK	1	49	24.44	24.58	24.48				
20	QPSK	1	99	24.42	24.53	24.45				
20	QPSK	50	0	24.17	24.27	24.18				
20	QPSK	50	24	24.09	24.11	23.96	25	0		
20	QPSK	50	50	23.96	24.09	24.00				
20	QPSK	100	0	24.12	24.17	24.07				
20	16QAM	1	0	24.08	24.15	24.08				
20	16QAM	1	49	24.07	24.14	24.09	25	0		
20	16QAM	1	99	23.93	24.08	24.05				
20	16QAM	50	0	23.54	23.59	23.57				
20	16QAM	50	24	23.53	23.64	23.63				
20	16QAM	100	0	23.47	23.53	23.49	24	1		
20	16QAM	1	0	22.80	22.84	22.71				
20	16QAM	1	49	22.66	22.75	22.70				
20	16QAM	1	99	22.72	22.76	22.71				
20	16QAM	50	0	22.53	22.56	22.47	23	2		
20	16QAM	50	24	22.66	22.67	22.65				
20	16QAM	50	50	22.53	22.57	22.44				
20	16QAM	100	0	22.56	22.63	22.58				
20	256QAM	1	0	19.41	19.46	19.41	20	5		
20	256QAM	1	49	19.36	19.48	19.36				
20	256QAM	1	99	19.42	19.46	19.39				
20	256QAM	50	0	19.64	19.74	19.62				
20	256QAM	50	24	19.50	19.63	19.54	20	5		
20	256QAM	50	50	19.65	19.76	19.63				
20	256QAM	100	0	19.72	19.62	19.63				
Channel										
Frequency (MHz)				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.50	24.52	24.50	25	0		
15	QPSK	1	37	24.40	24.51	24.39				
15	QPSK	1	74	24.30	24.50	24.34				
15	QPSK	36	0	24.02	24.18	24.13				
15	QPSK	36	20	23.96	23.99	23.85	25	0		
15	QPSK	36	39	23.82	24.01	23.89				
15	QPSK	36	50	23.88	24.02	23.87				
15	16QAM	1	0	23.95	24.13	24.07				
15	16QAM	1	37	24.00	24.02	24.05	25	0		
15	16QAM	1	74	23.81	24.04	24.04				
15	16QAM	36	0	23.28	23.56	23.44				
15	16QAM	36	20	23.48	23.56	23.62				
15	16QAM	36	39	23.44	23.49	23.52	24	1		
15	16QAM	75	0	23.35	23.46	23.48				
15	16QAM	1	0	22.78	22.70	22.69				
15	16QAM	1	37	22.85	22.87	22.89				
15	16QAM	1	74	22.62	22.73	22.69	23	2		
15	16QAM	36	0	22.38	22.42	22.37				
15	16QAM	36	20	22.51	22.59	22.53				
15	16QAM	36	39	22.50	22.42	22.45				
15	16QAM	75	0	22.49	22.52	22.45	20	5		
15	256QAM	1	0	19.32	19.40	19.29				
15	256QAM	1	37	19.32	19.33	19.35				
15	256QAM	1	74	19.38	19.41	19.26				
15	256QAM	36	0	19.27	19.61	19.61	20	5		
15	256QAM	36	20	19.46	19.62	19.52				
15	256QAM	36	39	19.54	19.69	19.59				
15	256QAM	75	0	19.60	19.59	19.49				
Channel										
Frequency (MHz)				38175	38000	38175	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.43	24.55	24.54	25	0		
10	QPSK	1	25	24.33	24.56	24.44				
10	QPSK	1	49	24.35	24.46	24.36				
10	QPSK	25	0	24.09	24.16	24.03				
10	QPSK	25	12	24.04	24.37	23.94	25	0		
10	QPSK	25	25	23.85	24.03	23.95				
10	QPSK	50	0	24.02	24.10	23.90				
10	16QAM	1	0	23.94	24.10	24.06				
10	16QAM	1	25	23.94	24.02	24.06	25	0		
10	16QAM	1	49	23.87	24.02	24.03				
10	16QAM	25	0	23.48	23.47	23.49				
10	16QAM	25	12	23.52	23.56	23.56				
10	16QAM	25	25	23.54	23.56	23.44	24	1		
10	16QAM	50	0	23.24	23.50	23.42				
10	16QAM	1	0	22.68	22.65	22.70				
10	16QAM	1	25	22.62	22.66	22.59				
10	16QAM	1	49	22.62	22.61	22.67	23	2		
10	16QAM	25	0	22.48	22.41	22.46				
10	16QAM	25	12	22.62	22.60	22.59				
10	16QAM	25	25	22.48	22.48	22.31				
10	16QAM	50	0	22.45	22.51	22.56	20	5		
10	256QAM	1	0	19.35	19.37	19.27				
10	256QAM	1	25	19.34	19.33	19.24				
10	256QAM	1	49	19.27	19.44	19.35				
10	256QAM	25	0	19.51	19.63	19.47	20	5		
10	256QAM	25	12	19.40	19.58	19.48				
10	256QAM	25	25	19.53	19.72	19.61				
10	256QAM	50	0	19.63	19.61	19.62				
Channel										
Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.47	24.57	24.48	25	0		
5	QPSK	1	12	24.30	24.47	24.44				
5	QPSK	1	24	24.30	24.48	24.34				
5	QPSK	12	0	24.05	24.17	24.04				
5	QPSK	12	7	23.95	24.05	23.94	25	0		
5	QPSK	12	13	23.91	24.03	23.86				
5	QPSK	25	0	24.10	24.05	23.97				
5	16QAM	1	0	24.00	24.00	24.00				
5	16QAM	1	12	24.01	24.13	24.03	25	0		
5	16QAM	1	24	23.79	24.00	24.02				
5	16QAM	12	0	23.47	23.57	23.48				
5	16QAM	12	7	23.50	23.56	23.55				
5	16QAM	12	13	23.47	23.49	23.50	24	1		
5	16QAM	25	0	23.34	23.38	23.45				
5	16QAM	1	0	22.77	22.76	22.67				
5	16QAM	1	12	22.56	22.60	22.56				
5	16QAM	1	24	22.62	22.75	22.58	23	2		
5	16QAM	12	0	22.38	22.55	22.38				
5	16QAM	12	7	22.57	22.62	22.63				
5	16QAM	12	13	22.41	22.49	22.32				
5	16QAM	25	0	22.46	22.59	22.51	20	5		
5	256QAM	1	0	19.35	19.35	19.38				
5	256QAM	1	12	19.24	19.45	19.37	20	5		
5	256QAM	1	24	19.40	19.38	19.28				
5	256QAM	12	0	19.51	19.59	19.47	20	5		
5	256QAM	12	7	19.48	19.63	19.45				
5	256QAM	12	13	19.63	19.71	19.61				
5	256QAM	25	0	19.66	19.47	19.61				
5	256QAM	25	7	19.66	19.47	19.61				

Band 38_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)				37860	38000	38150						
20	QPSK	1	0	2580	2595	2610	19.8	0				
20	QPSK	1	49	19.17	19.24	19.22						
20	QPSK	1	99	19.19	19.25	19.26						
20	QPSK	50	0	19.17	19.25	19.15						
20	QPSK	50	24	19.12	19.17	19.12						
20	QPSK	50	50	19.16	19.14	19.14	19.8	0				
20	QPSK	100	0	19.12	19.16	19.10						
20	16QAM	1	0	19.13	19.25	19.25						
20	16QAM	1	49	19.16	19.15	19.20						
20	16QAM	1	99	19.15	19.23	19.19						
20	16QAM	50	0	19.16	19.14	19.14	19.8	0				
20	16QAM	50	24	19.26	19.25	19.18						
20	16QAM	100	0	19.14	19.14	19.25						
20	64QAM	1	0	19.26	19.26	19.18						
20	64QAM	1	99	19.18	19.27	19.14						
20	64QAM	50	0	18.48	18.63	18.54	19.3	0.5				
20	64QAM	50	24	18.63	18.63	18.56						
20	64QAM	50	50	18.63	18.73	18.71						
20	64QAM	100	0	18.56	18.73	18.70						
20	256QAM	1	0	15.59	15.59	15.47						
20	256QAM	1	49	15.47	15.54	15.47	16.3	3.5				
20	256QAM	1	99	15.53	15.66	15.61						
20	256QAM	50	0	15.83	15.83	15.71						
20	256QAM	50	24	15.80	15.75	15.75						
20	256QAM	50	50	15.70	15.82	15.72						
20	256QAM	100	0	15.70	15.86	15.70						
Channel												
Frequency (MHz)				37825	38000	38175						
15	QPSK	1	0	19.21	19.22	19.26	19.8		0			
15	QPSK	1	37	19.13	19.09	19.10						
15	QPSK	1	74	19.16	19.14	19.13						
15	QPSK	36	0	19.13	19.16	19.00						
15	QPSK	36	20	19.03	19.08	19.06						
15	QPSK	36	39	19.05	19.00	18.97	19.8	0				
15	QPSK	75	0	19.01	19.14	19.08						
15	16QAM	1	0	19.09	19.17	19.13						
15	16QAM	1	37	19.12	19.02	19.16						
15	16QAM	1	74	19.04	19.17	19.13						
15	16QAM	36	0	19.02	19.06	19.02	19.8	0				
15	16QAM	36	20	19.15	19.22	19.17						
15	16QAM	36	39	19.08	19.10	19.04						
15	16QAM	75	0	19.13	19.12	19.19						
15	64QAM	1	0	19.22	19.20	19.16						
15	64QAM	1	37	19.15	19.15	19.14	19.8	0				
15	64QAM	1	74	19.14	19.24	18.99						
15	64QAM	36	0	18.35	18.74	18.52						
15	64QAM	36	20	18.52	18.62	18.49						
15	64QAM	36	39	18.55	18.71	18.60						
15	64QAM	75	0	18.46	18.66	18.60	19.3	0.5				
15	256QAM	1	0	15.48	15.45	15.34						
15	256QAM	1	37	15.33	15.53	15.45						
15	256QAM	1	74	15.38	15.65	15.53						
15	256QAM	50	0	15.46	15.66	15.60						
15	256QAM	1	0	15.48	15.45	15.34	16.3	3.5				
15	256QAM	1	37	15.33	15.53	15.45						
15	256QAM	1	74	15.38	15.65	15.53						
15	256QAM	50	0	15.46	15.66	15.60						
15	256QAM	50	24	15.74	15.62	15.72						
15	256QAM	36	39	15.60	15.78	15.67	16.3	3.5				
15	256QAM	75	0	15.69	15.85	15.59						
Channel												
Frequency (MHz)				37860	38000	38150						
10	QPSK	1	0	19.15	19.26	19.12			19.8	0		
10	QPSK	1	25	19.15	19.19	19.10						
10	QPSK	1	49	19.06	19.12	19.25						
10	QPSK	25	0	19.16	19.14	19.08						
10	QPSK	25	0	19.07	19.03	19.02						
10	QPSK	25	25	19.10	19.04	19.10	19.8	0				
10	QPSK	50	0	19.04	19.05	19.03						
10	16QAM	1	0	19.06	19.22	19.18						
10	16QAM	1	25	19.14	19.13	19.06						
10	16QAM	1	49	19.09	19.17	19.17						
10	16QAM	25	0	19.14	19.11	19.12	19.8	0				
10	16QAM	25	12	19.17	19.19	19.09						
10	16QAM	25	25	19.16	19.03	19.07						
10	16QAM	50	0	19.13	19.06	19.14						
10	64QAM	1	0	19.12	19.24	19.08						
10	64QAM	1	25	19.07	19.24	19.12	19.8	0				
10	64QAM	1	49	19.06	19.23	19.05						
10	64QAM	25	0	18.43	18.75	18.46						
10	64QAM	25	12	18.62	18.60	18.42						
10	64QAM	25	25	18.58	18.71	18.63						
10	64QAM	50	0	18.44	18.65	18.69	19.3	0.5				
10	256QAM	1	0	15.48	15.50	15.36						
10	256QAM	1	25	15.44	15.44	15.44						
10	256QAM	1	49	15.47	15.61	15.58						
10	256QAM	25	0	15.78	15.83	15.73						
10	256QAM	25	12	15.79	15.70	15.67	16.3	3.5				
10	256QAM	25	25	15.59	15.75	15.63						
10	256QAM	50	0	15.55	15.63	15.67						
Channel												
Frequency (MHz)				37775	38000	38225						
5	QPSK	1	0	19.19	19.26	19.15	19.8	0				
5	QPSK	1	12	19.16	19.15	19.08						
5	QPSK	1	24	19.14	19.17	19.23						
5	QPSK	12	0	19.12	19.10	19.08						
5	QPSK	12	7	19.03	19.11	19.02						
5	QPSK	12	13	19.07	19.07	18.99	19.8	0				
5	QPSK	25	0	19.01	19.03	19.00						
5	16QAM	1	0	19.09	19.12	19.17						
5	16QAM	1	12	19.12	19.08	19.09						
5	16QAM	1	24	19.10	19.08	19.09						
5	16QAM	12	0	19.15	19.02	19.02	19.8	0				
5	16QAM	12	7	19.14	19.10	19.17						
5	16QAM	12	13	19.05	19.08	19.07						
5	16QAM	25	0	19.09	19.02	19.13						
5	64QAM	1	0	19.13	19.23	19.05						
5	64QAM	1	12	19.07	19.12	19.17	19.8	0				
5	64QAM	1	24	19.11	19.24	18.99						
5	64QAM	12	0	18.40	18.68	18.40						
5	64QAM	12	7	18.62	18.59	18.53						
5	64QAM	12	13	18.58	18.75	18.64	19.3	0.5				
5	64QAM	25	0	18.41	18.60	18.66						
5	64QAM	25	12	18.61	18.53	18.33						
5	256QAM	1	0	15.48	15.50	15.36						
5	256QAM	1	12	15.48	15.48	15.48						
5	256QAM	1	24	15.48	15.64	15.54	16.3	3.5				
5	256QAM	12	0	15.73	15.82	15.72						
5	256QAM	12	7	15.69	15.73	15.72						
5	256QAM	12	13	15.72	15.72	15.67						
5	256QAM	25	0	15.68	15.75	15.62						

Band 41_Ant 6														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	18.15	17.81	18.24	18.14	18.20	18.7	0				
20	QPSK	1	49	18.01	17.78	18.23	18.12	18.18						
20	QPSK	1	99	18.00	17.77	18.22	18.11	18.08						
20	QPSK	50	0	18.01	17.82	18.16	18.04	18.05						
20	QPSK	50	24	17.91	17.71	18.02	17.93	18.01						
20	QPSK	50	50	17.86	17.78	18.14	17.97	17.93	18.7	0				
20	QPSK	100	0	18.04	17.83	18.10	17.99	18.07						
20	16QAM	1	0	17.93	17.76	18.04	17.92	18.02						
20	16QAM	1	49	17.96	17.77	18.05	17.94	18.06						
20	16QAM	1	99	18.01	17.88	17.97	17.88	18.00						
20	16QAM	50	0	17.97	17.80	18.02	17.96	17.93	18.7	0				
20	16QAM	50	24	17.90	17.78	18.06	17.86	18.04						
20	16QAM	50	50	17.92	17.77	17.97	17.98	17.93						
20	16QAM	100	0	17.95	17.77	17.95	17.85	17.94						
20	64QAM	1	0	17.97	17.75	18.08	17.89	18.01						
20	64QAM	1	49	17.96	17.76	18.05	17.89	18.02	18.7	0				
20	64QAM	1	99	17.91	17.78	17.96	17.84	18.06						
20	64QAM	50	0	17.95	17.89	18.07	17.92	17.99						
20	64QAM	50	24	17.89	17.76	18.08	17.93	18.06						
20	64QAM	50	50	17.98	17.70	17.89	17.91	18.05						
20	256QAM	1	0	16.47	16.47	16.68	16.45	16.55	17.1	1.6				
20	256QAM	1	49	16.57	16.45	16.58	16.50	16.51						
20	256QAM	1	99	16.48	16.48	16.54	16.52	16.53						
20	256QAM	50	0	16.71	16.71	16.77	16.65	16.63						
20	256QAM	50	24	16.89	16.81	16.90	16.76	16.82						
20	256QAM	50	50	16.73	16.72	16.79	16.66	16.78	17.1	1.6				
20	256QAM	100	0	16.87	16.88	16.90	16.87	16.86						
Channel														
Frequency (MHz)				39725	40173	40620	41068	41515			Turn-up limit (dBm)	MPR (dB)		
				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	18.06	17.79	18.23	18.11	18.13	18.7	0				
15	QPSK	1	37	17.87	17.75	17.94	17.85	18.00						
15	QPSK	1	74	17.98	17.85	18.08	18.05	18.00						
15	QPSK	36	0	17.88	17.81	18.07	17.96	17.99						
15	QPSK	36	20	17.78	17.61	18.00	17.80	17.98						
15	QPSK	36	39	17.90	17.66	18.05	17.84	17.98	18.7	0				
15	QPSK	75	0	17.92	17.69	18.01	17.89	18.04						
15	16QAM	1	0	17.87	17.69	18.01	17.82	17.93						
15	16QAM	1	37	17.97	17.73	17.90	17.81	17.92						
15	16QAM	1	74	17.98	17.56	17.91	17.82	17.99						
15	16QAM	36	0	17.87	17.66	17.94	17.85	18.00	18.7	0				
15	16QAM	36	20	17.77	17.63	17.92	17.71	17.99						
15	16QAM	36	39	17.81	17.62	17.90	17.92	17.87						
15	16QAM	75	0	17.85	17.69	17.84	17.76	17.80						
15	64QAM	1	0	17.94	17.67	17.94	17.79	17.95						
15	64QAM	1	37	17.85	17.75	17.96	17.77	17.92	18.7	0				
15	64QAM	1	74	17.81	17.75	17.92	17.69	18.02						
15	64QAM	36	0	17.90	17.59	18.01	17.87	17.88						
15	64QAM	36	20	17.82	17.73	17.96	17.89	17.94						
15	64QAM	36	39	17.86	17.66	17.95	17.80	17.92						
15	64QAM	75	0	17.96	17.65	17.89	17.76	17.92	17.1	1.6				
15	256QAM	1	0	16.36	16.33	16.56	16.40	16.50						
15	256QAM	1	37	16.50	16.35	16.43	16.45	16.48						
15	256QAM	1	74	16.37	16.38	16.49	16.45	16.43						
15	256QAM	50	0	16.56	16.69	16.64	16.53	16.68						
15	256QAM	36	20	16.96	16.68	16.76	16.63	16.77	17.1	1.6				
15	256QAM	36	39	16.58	16.57	16.73	16.61	16.64						
15	256QAM	75	0	16.72	16.83	16.80	16.77	16.84						
Channel														
Frequency (MHz)				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)				
				2501	2547	2593	2639	2685						
10	QPSK	1	0	18.13	17.89	18.13	18.10	18.18	18.7	0				
10	QPSK	1	25	17.96	17.87	18.15	17.98	18.06						
10	QPSK	1	49	17.94	17.63	18.16	18.05	18.01						
10	QPSK	25	0	17.93	17.76	18.05	17.96	17.93						
10	QPSK	25	12	17.76	17.65	17.95	17.86	17.98						
10	QPSK	25	25	17.88	17.67	18.03	17.93	17.84	18.7	0				
10	QPSK	50	0	17.97	17.70	17.98	17.96	17.93						
10	16QAM	1	0	17.83	17.74	17.99	17.89	17.94						
10	16QAM	1	25	17.87	17.69	17.90	17.86	17.91						
10	16QAM	1	49	17.95	17.57	17.94	17.82	17.92						
10	16QAM	25	0	17.90	17.72	17.93	17.92	17.87	18.7	0				
10	16QAM	25	12	17.88	17.76	17.92	17.77	18.01						
10	16QAM	25	25	17.90	17.71	17.88	17.96	17.84						
10	16QAM	50	0	17.88	17.66	17.96	17.85	17.88						
10	64QAM	1	25	17.85	17.69	17.93	17.83	17.99						
10	64QAM	1	49	17.80	17.71	17.92	17.75	18.03	18.7	0				
10	64QAM	25	0	17.80	17.64	18.02	17.77	17.92						
10	64QAM	25	12	17.83	17.68	18.02	17.83	17.96						
10	64QAM	25	25	17.97	17.74	17.93	17.85	17.90						
10	64QAM	50	0	17.97	17.69	17.86	17.79	17.96						
10	256QAM	1	0	16.42	16.41	16.44	16.38	16.49	17.1	1.6				
10	256QAM	1	25	16.50	16.43	16.49	16.47	16.41						
10	256QAM	1	49	16.46	16.40	16.47	16.50	16.46						
10	256QAM	25	0	16.70	16.59	16.76	16.58	16.69						
10	256QAM	25	12	16.84	16.68	16.78	16.61	16.70						
10	256QAM	25	25	16.70	16.67	16.78	16.61	16.70	17.1	1.6				
10	256QAM	50	0	16.82	16.87	16.76	16.82	16.84						
Channel														
Frequency (MHz)				39675	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)				
				2498.5	2545.8	2593	2640.30	2687.5						
5	QPSK	1	0	18.07	17.77	18.15	18.11	18.05	18.7	0				
5	QPSK	1	12	17.87	17.68	18.15	18.06	18.13						
5	QPSK	1	24	17.88	17.65	18.16	18.00	18.00						
5	QPSK	12	0	17.87	17.72	18.14	17.99	17.90						
5	QPSK	12	7	17.76	17.61	17.87	17.88	17.98						
5	QPSK	12	13	17.82	17.70	18.09	17.98	17.88	18.7	0				
5	QPSK	25	0	18.02	17.89	18.08	17.95	17.97						
5	16QAM	1	0	17.80	17.64	17.93	17.83	17.91						
5	16QAM	1	12	17.93	17.71	17.98	17.85	17.94						
5	16QAM	1	24	17.97	17.61	17.84	17.82	17.88						
5	16QAM	12	0	17.82	17.67	17.96	17.88	17.88	18.7	0				
5	16QAM	12	7	17.75	17.66	17.92	17.61	17.98						
5	16QAM	12	13	17.83	17.71	17.96	17.80	18.04						
5	16QAM	25	0	17.80	17.64	17.83	17.74	17.93						
5	16QAM	25	0	17.83	17.60	18.04	17.75	17.90						
5	16QAM	1	12	17.91	17.88	18.00	17.75	17.97	18.7	0				
5	64QAM	1	0	17.83	17.71	17.96	17.80	17.94						
5	64QAM	12	0	17.89	17.84	18.01	17.88	17.97						
5	64QAM	12	7	17.81	17.64	18.05	17.87	18.03						
5	64QAM	12	13	17.87	17.70	17.85	17.85	17.87						
5	64QAM	25	0	17.85	17.69	17.88	17.79	18.01	18.7	0				
5	256QAM	1	0	16.41	16.39	16.53	16.40	16.51						
5	256QAM	1	12	16.45	16.37	16.44	16.43	16.37						
5	256QAM	1	24	16.46	16.37	16.50	16.46	16.46						
5	256QAM	12	0	16.67	16.70	16.67	16.53	16.59						
5	256QAM	12	7	16.71	16.78	16.76	16.63	16.69	17.1	1.6				
5	256QAM	12	13	16.67	16.69	16.76	16.64	16.67						
5	256QAM	25	0	16.73	16.81	16.85	16.74	16.71						



Band 41(HPUe)_Ant 11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Low Middle Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Power High Ch. [Freq]	Turn-up limit [dBm]	MPR (dB)		
Channel				39750	40165	40620	41065	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	15.02	15.58	15.65	15.58	15.61	18.4	0		
20	QPSK	1	49	15.49	15.42	15.59	15.56	15.55				
20	QPSK	1	99	15.48	15.55	15.52	15.52	15.57				
20	QPSK	50	0	15.04	15.54	15.56	15.54	15.56				
20	QPSK	50	24	15.48	15.46	15.48	15.44	15.53				
20	QPSK	50	50	15.39	15.49	15.49	15.50	15.44				
20	QPSK	100	0	15.48	15.51	15.55	15.48	15.46				
20	16QAM	1	0	15.56	15.41	15.64	15.49	15.58	18.4	0		
20	16QAM	1	49	15.49	15.48	15.50	15.49	15.59				
20	16QAM	1	99	15.51	15.46	15.58	15.47	15.57				
20	16QAM	50	0	15.54	15.45	15.55	15.46	15.60				
20	16QAM	50	24	15.59	15.51	15.64	15.50	15.46				
20	16QAM	50	50	15.50	15.51	15.52	15.54	15.49				
20	16QAM	100	0	15.56	15.50	15.53	15.52	15.57				
20	64QAM	1	0	15.55	15.45	15.55	15.49	15.55				
20	64QAM	1	49	15.59	15.50	15.61	15.45	15.53	18.4	0		
20	64QAM	1	99	15.57	15.46	15.58	15.53	15.57				
20	64QAM	50	0	15.49	15.48	15.53	15.52	15.50				
20	64QAM	50	24	15.60	15.49	15.62	15.54	15.54				
20	64QAM	50	50	15.49	15.41	15.55	15.52	15.55	18.4	0		
20	64QAM	100	0	15.49	15.49	15.53	15.46	15.59				
20	256QAM	1	0	15.58	15.45	15.58	15.43	15.55				
20	256QAM	1	49	15.54	15.46	15.61	15.52	15.56	18.4	0		
20	256QAM	1	99	15.47	15.51	15.57	15.48	15.51				
20	256QAM	50	0	15.56	15.42	15.57	15.57	15.57				
20	256QAM	50	24	15.49	15.50	15.59	15.52	15.54	18.4	0		
20	256QAM	50	50	15.61	15.55	15.56	15.56	15.58				
20	256QAM	100	0	15.61	15.48	15.57	15.45	15.57				
Channel				39725	40173	40620	41068	41515	Turn-up limit [dBm]	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	15.51	15.41	15.61	15.57	15.60	18.4	0		
15	QPSK	1	37	15.42	15.53	15.44	15.50	15.51				
15	QPSK	1	74	15.40	15.53	15.51	15.40	15.51				
15	QPSK	36	0	15.49	15.50	15.41	15.51	15.54				
15	QPSK	36	20	15.47	15.34	15.34	15.43	15.42	18.4	0		
15	QPSK	36	39	15.24	15.41	15.50	15.46	15.31				
15	QPSK	75	0	15.36	15.36	15.46	15.37	15.43				
15	16QAM	1	0	15.50	15.40	15.62	15.35	15.57	18.4	0		
15	16QAM	1	37	15.41	15.34	15.45	15.41	15.46				
15	16QAM	1	74	15.47	15.36	15.54	15.40	15.51				
15	16QAM	36	0	15.42	15.36	15.46	15.40	15.45	18.4	0		
15	16QAM	36	20	15.44	15.36	15.40	15.35	15.34				
15	16QAM	36	39	15.42	15.42	15.40	15.49	15.37				
15	16QAM	75	0	15.47	15.38	15.48	15.38	15.49				
15	64QAM	1	0	15.40	15.36	15.49	15.38	15.40	18.4	0		
15	64QAM	1	37	15.52	15.39	15.46	15.41	15.47				
15	64QAM	1	74	15.51	15.44	15.52	15.51	15.55				
15	64QAM	36	0	15.47	15.48	15.50	15.40	15.46				
15	64QAM	36	20	15.53	15.38	15.48	15.40	15.44	18.4	0		
15	64QAM	36	39	15.45	15.42	15.40	15.46	15.45				
15	64QAM	75	0	15.45	15.48	15.49	15.39	15.51				
15	256QAM	1	0	15.52	15.37	15.45	15.32	15.42				
15	256QAM	1	37	15.42	15.36	15.48	15.38	15.47	18.4	0		
15	256QAM	1	74	15.39	15.43	15.46	15.45	15.48				
15	256QAM	36	0	15.43	15.30	15.46	15.48	15.43				
15	256QAM	36	20	15.47	15.41	15.45	15.45	15.42	18.4	0		
15	256QAM	36	39	15.57	15.43	15.43	15.51	15.52				
15	256QAM	75	0	15.52	15.36	15.55	15.43	15.55				
Channel				39700	40160	40620	41080	41540	Turn-up limit [dBm]	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	15.54	15.54	15.64	15.50	15.57	18.4	0		
10	QPSK	1	25	15.44	15.37	15.52	15.50	15.40				
10	QPSK	1	49	15.37	15.42	15.46	15.38	15.55				
10	QPSK	25	0	15.47	15.47	15.54	15.45	15.55				
10	QPSK	25	12	15.36	15.45	15.51	15.39	15.44	18.4	0		
10	QPSK	25	25	15.27	15.35	15.48	15.46	15.35				
10	QPSK	50	0	15.47	15.49	15.48	15.38	15.41				
10	16QAM	1	0	15.52	15.33	15.62	15.34	15.47				
10	16QAM	1	25	15.35	15.41	15.59	15.42	15.33	18.4	0		
10	16QAM	1	49	15.44	15.39	15.49	15.38	15.47				
10	16QAM	25	0	15.46	15.41	15.46	15.37	15.54				
10	16QAM	25	12	15.44	15.36	15.62	15.36	15.44				
10	16QAM	25	25	15.44	15.39	15.48	15.50	15.35	18.4	0		
10	16QAM	50	0	15.54	15.42	15.42	15.48	15.45				
10	64QAM	1	0	15.54	15.42	15.42	15.48	15.45				
10	64QAM	1	25	15.44	15.46	15.46	15.32	15.42				
10	64QAM	1	49	15.44	15.41	15.51	15.46	15.47				
10	64QAM	25	0	15.44	15.42	15.52	15.37	15.39	18.4	0		
10	64QAM	25	12	15.53	15.36	15.55	15.42	15.46				
10	64QAM	25	25	15.45	15.27	15.43	15.38	15.53				
10	64QAM	50	0	15.39	15.42	15.50	15.43	15.47				
10	256QAM	1	0	15.47	15.30	15.52	15.33	15.46	18.4	0		
10	256QAM	1	25	15.52	15.45	15.58	15.50	15.51				
10	256QAM	1	49	15.43	15.40	15.53	15.47	15.40				
10	256QAM	25	0	15.48	15.27	15.54	15.55	15.45				
10	256QAM	25	12	15.47	15.37	15.50	15.42	15.53	18.4	0		
10	256QAM	25	25	15.52	15.49	15.53	15.53	15.53				
10	256QAM	50	0	15.53	15.35	15.50	15.42	15.43				
Channel				39675	40148	40620	41093	41565	Turn-up limit [dBm]	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	15.49	15.49	15.53	15.55	15.53	18.4	0		
5	QPSK	1	12	15.34	15.40	15.49	15.51	15.49				
5	QPSK	1	24	15.38	15.40	15.50	15.45	15.51				
5	QPSK	12	0	15.44	15.44	15.52	15.45	15.55				
5	QPSK	12	7	15.34	15.31	15.32	15.32	15.46	18.4	0		
5	QPSK	12	13	15.28	15.45	15.45	15.44	15.32				
5	QPSK	25	0	15.40	15.49	15.42	15.45	15.39				
5	16QAM	1	0	15.44	15.36	15.60	15.36	15.47	18.4	0		
5	16QAM	1	12	15.42	15.41	15.50	15.40	15.50				
5	16QAM	1	24	15.47	15.38	15.52	15.44	15.52				
5	16QAM	12	0	15.42	15.36	15.46	15.37	15.58				
5	16QAM	12	7	15.46	15.36	15.55	15.40	15.53	18.4	0		
5	16QAM	12	13	15.47	15.47	15.52	15.47	15.47				
5	16QAM	25	0	15.48	15.45	15.45	15.51	15.58				
5	16QAM	1	0	15.42	15.36	15.49	15.40	15.53				
5	16QAM	1	12	15.45	15.37	15.49	15.39	15.43				
5	16QAM	1	24	15.52	15.40	15.54	15.52	15.46				
5	16QAM	12	0	15.48	15.44	15.44	15.42	15.43				
5	16QAM	12	7	15.59	15.48	15.61	15.53	15.39	18.4	0		
5	16QAM	12	13	15.42	15.36	15.43	15.49	15.54				
5	16QAM	25	0	15.41	15.42	15.44	15.45	15.58				
5	256QAM	1	0	15.45	15.36	15.58	15.36	15.47	18.4	0		
5	256QAM	1	12	15.43	15.44	15.51	15.47	15.55				
5	256QAM	1	24	15.32	15.38	15.48	15.36	15.42				
5	256QAM	12	0	15.47	15.32	15.53	15.43	15.50				
5	256QAM	12	7	15.47	15.36	15.49	15.42	15.40				
5	256QAM	12	13	15.53	15.48	15.55	15.53	15.50	18.4	0		
5	256QAM	25	0	15.55	15.45	15.43	15.31	15.51				

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
Tx Channel		128	188	251	Limit		128	188	251	Limit	
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)	
GSM 1 Tx slot	30.31	30.35	30.18	31.10	21.31	21.35	21.18	22.10	22.10		
GPRS 1 Tx slot	30.52	30.69	30.48	31.10	21.52	21.69	21.48	22.10			
GPRS 2 Tx slots	27.54	27.91	27.70	28.60	21.54	21.91	21.70	22.60			
GPRS 3 Tx slots	26.16	26.40	26.31	27.10	21.90	22.14	22.05	22.84			
GPRS 4 Tx slots	24.83	25.18	24.87	25.60	21.83	22.18	21.87	22.60			
EDGE(GMSK 1 Tx slot)	30.51	30.63	30.50	31.10	21.51	21.63	21.50	22.10			
EDGE(GMSK 2 Tx slot)	27.60	27.95	27.71	28.60	21.60	21.95	21.71	22.60			
EDGE(GMSK 3 Tx slot)	26.27	26.50	26.28	27.10	22.01	22.24	22.02	22.84			
EDGE(GMSK 4 Tx slot)	24.85	25.20	24.87	25.60	21.85	22.20	21.87	22.60			
EDGE 1 Tx slot	26.35	26.37	26.17	26.70	17.35	17.37	17.17	18.60			
EDGE 2 Tx slot	25.31	25.23	25.19	25.60	19.31	19.23	19.19	19.60			
EDGE 3 Tx slot	23.14	23.09	23.07	23.30	18.88	18.83	18.81	19.24			
EDGE 4 Tx slot	21.53	21.41	21.25	22.10	18.53	18.41	18.25	18.10			

GSM850_Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
Tx Channel		128	188	251	Limit		128	188	251	Limit	
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)	
GSM 1 Tx slot	31.88	32.11	31.88	33.00	22.88	23.11	22.88	24.00			
GPRS 1 Tx slot	32.03	32.16	32.01	33.00	23.03	23.16	23.01	24.00			
GPRS 2 Tx slots	29.47	29.50	29.41	30.50	23.47	23.50	23.44	24.50			
GPRS 3 Tx slots	27.73	27.83	27.80	29.00	23.47	23.57	23.54	24.74			
GPRS 4 Tx slots	26.54	26.59	26.48	27.50	23.54	23.59	23.46	24.50			
EDGE(GMSK 1 Tx slot)	31.97	32.14	31.88	33.00	22.97	23.14	22.88	24.00			
EDGE(GMSK 2 Tx slot)	29.41	29.46	29.41	30.50	23.41	23.46	23.41	24.50			
EDGE(GMSK 3 Tx slot)	27.63	27.69	27.70	29.00	23.37	23.43	23.44	24.74			
EDGE(GMSK 4 Tx slot)	26.46	26.52	26.45	27.50	23.46	23.52	23.45	24.50			
EDGE 1 Tx slot	26.65	26.42	26.27	27.26	17.65	17.42	17.27	18.20			
EDGE 2 Tx slot	25.51	25.36	25.24	26.00	19.51	19.36	19.24	20.00			
EDGE 3 Tx slot	23.42	23.26	23.11	24.00	18.16	18.09	18.05	19.74			
EDGE 4 Tx slot	21.41	21.49	21.38	22.50	18.41	18.48	18.38	19.50			

GSM1900_Ant 5		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
Tx Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1862.2	1880	1898.8	(dBm)		1862.2	1880	1898.8	(dBm)	
GSM 1 Tx slot	28.45	28.47	28.40	29.20	19.45	19.47	19.40	20.20			
GPRS 1 Tx slot	28.49	28.55	28.44	29.20	19.49	19.55	19.44	20.20			
GPRS 2 Tx slots	25.70	25.60	25.71	27.20	19.70	19.60	19.71	21.20			
GPRS 3 Tx slots	23.73	23.75	23.76	25.20	19.47	19.49	19.52	20.94			
GPRS 4 Tx slots	22.64	22.67	22.61	23.70	19.84	19.87	19.81	20.70			
EDGE(GMSK 1 Tx slot)	28.48	28.55	28.45	29.20	19.48	19.55	19.45	20.20			
EDGE(GMSK 2 Tx slot)	25.67	25.72	25.67	27.20	19.67	19.72	19.67	21.20			
EDGE(GMSK 3 Tx slot)	23.68	23.79	23.75	25.20	19.42	19.53	19.49	20.94			
EDGE(GMSK 4 Tx slot)	22.55	22.67	22.57	23.70	19.55	19.67	19.57	20.70			
EDGE 1 Tx slot	25.41	25.73	25.74	26.50	16.41	16.73	16.74	17.50			
EDGE 2 Tx slot	23.33	23.72	23.57	24.50	17.33	17.72	17.57	18.50			
EDGE 3 Tx slot	21.19	21.42	21.40	22.50	16.93	17.16	17.14	18.24			
EDGE 4 Tx slot	20.48	20.67	20.61	21.50	17.48	17.67	17.61	18.50			

GSM1900_Ant 6		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
Tx Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1862.2	1880	1898.8	(dBm)		1862.2	1880	1898.8	(dBm)	
GSM 1 Tx slot	26.80	26.77	26.75	27.30	17.80	17.77	17.75	18.30			
GPRS 1 Tx slot	26.83	26.92	26.90	27.30	17.83	17.92	17.90	18.30			
GPRS 2 Tx slots	23.79	23.76	23.82	25.30	17.79	17.76	17.82	19.30			
GPRS 3 Tx slots	21.89	21.95	21.94	23.30	17.63	17.69	17.58	19.04			
GPRS 4 Tx slots	20.69	20.81	20.74	21.80	17.69	17.81	17.74	18.80			
EDGE(GMSK 1 Tx slot)	26.87	26.92	26.90	27.30	17.87	17.92	17.90	18.30			
EDGE(GMSK 2 Tx slot)	23.74	23.75	23.72	25.30	17.74	17.75	17.72	19.30			
EDGE(GMSK 3 Tx slot)	21.92	21.95	21.92	23.30	17.66	17.69	17.66	19.04			
EDGE(GMSK 4 Tx slot)	20.76	20.80	20.72	21.80	17.76	17.80	17.72	18.80			
EDGE 1 Tx slot	24.84	24.80	24.81	25.70	15.84	15.80	15.81	16.70			
EDGE 2 Tx slot	22.61	22.72	22.51	23.70	16.61	16.72	16.51	17.70			
EDGE 3 Tx slot	20.39	20.46	20.23	21.70	16.13	16.20	15.97	17.44			
EDGE 4 Tx slot	19.75	19.66	19.53	20.70	16.75	16.66	16.53	17.70			

Band		WCDMA_II_Ant 5			Tune-up		WCDMA_II_Ant 6			Tune-up	
Tx Channel		5262	5400	5538	Limit		5262	5400	5538	Limit	
Rx Channel		5652	5800	5938	(dBm)		5652	5800	5938	(dBm)	
Frequency (MHz)		1852.4	1880	1907.6	(dBm)		1852.4	1880	1907.6	(dBm)	
3GPP Rel 99	AMR 12.2Kbps	19.50	19.60	19.37	20.00	17.49	17.57	17.45	17.70		
3GPP Rel 99	RM 12.2Kbps	19.54	19.64	19.50	20.00	17.55	17.60	17.55	17.70		
3GPP Rel 6	HS-PA Subtest-1	19.60	19.64	19.55	20.00	17.56	17.57	17.57	17.70		
3GPP Rel 6	HS-PA Subtest-2	19.60	19.58	19.61	20.00	17.55	17.55	17.52	17.70		
3GPP Rel 6	HS-PA Subtest-3	19.55	19.55	19.56	20.00	17.52	17.51	17.57	17.70		
3GPP Rel 6	HS-PA Subtest-4	19.55	19.63	19.59	20.00	17.55	17.57	17.53	17.70		
3GPP Rel 6	DC-HS-PA Subtest-1	19.46	19.58	19.52	20.00	17.48	17.54	17.45	17.70		
3GPP Rel 6	DC-HS-PA Subtest-2	19.51	19.45	19.49	20.00	17.52	17.45	17.43	17.70		
3GPP Rel 6	DC-HS-PA Subtest-3	19.40	19.45	19.55	20.00	17.49	17.40	17.50	17.70		
3GPP Rel 6	DC-HS-PA Subtest-4	19.43	19.51	19.54	20.00	17.46	17.54	17.43	17.70		
3GPP Rel 6	HS-PA Subtest-1	19.49	19.54	19.41	20.00	17.53	17.59	17.40	17.70		
3GPP Rel 6	HS-PA Subtest-2	19.51	19.51	19.48	20.00	17.48	17.45	17.51	17.70		
3GPP Rel 6	HS-PA Subtest-3	19.46	19.54	19.46	20.00	17.43	17.52	17.54	17.70		
3GPP Rel 6	HS-PA Subtest-4	19.44	19.56	19.39	20.00	17.47	17.50	17.47	17.70		
3GPP Rel 6	HS-PA Subtest-5	19.48	19.49	19.40	20.00	17.45	17.45	17.50	17.70		
3GPP Rel 7	HSPA+ (HSPA) Subtest-1	19.33	19.47	19.36	20.00	17.42	17.44	17.35	17.70		

Band		WCDMA_IV_Ant5				WCDMA_IV_Ant6				WCDMA_IV_Ant11				WCDMA_IV_Ant5			
Tx Channel		1312	1413	1513	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)
Rx Channel		1537	1638	1738	(dBm)	1537	1638	1738	(dBm)	1537	1638	1738	(dBm)	1537	1638	1738	(dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	(dBm)	1712.4	1732.6	1752.6	(dBm)	1712.4	1732.6	1752.6	(dBm)	1712.4	1732.6	1752.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	18.76	18.84	18.74	19.60	18.85	18.87	19.20	18.83	18.93	18.93	19.20	18.83	18.93	18.93	19.20	18.83
3GPP Rel 99	RM 12.2Kbps	18.86	18.95	18.82	19.60	18.76	18.85	18.80	19.20	18.92	18.96	18.81	19.40	16.38	16.37	16.35	16.70
3GPP Rel 6	HS-PA Subtest-1	18.92	18.94	18.89	19.60	18.75	18.68	18.76	19.20	18.96	18.95	18.91	19.40	16.35	16.33	16.28	16.70
3GPP Rel 6	HS-PA Subtest-2	18.90	18.92	18.91	19.60	18.74	18.65	18.74	19.20	18.94	18.95	18.89	19.40	16.18	16.31	16.31	16.70
3GPP Rel 6	HS-PA Subtest-3	18.90	18.90	18.85	19.60	18.79	18.68	18.81	19.20	18.93	18.93	18.84	19.40	16.34	16.34	16.34	16.70
3GPP Rel 6	HS-PA Subtest-4	18.89	18.91	18.86	19.60	18.72	18.61	18.75	19.20	18.92	18.97	18.96	19.40	16.32	16.27	16.29	16.70
3GPP Rel 6	DC-HS-PA Subtest-1	18.81	18.86	18.80	19.60	18.69	18.64	18.66	19.20	18.67	18.69	18.83	19.40	16.22	16.21	16.20	16.70
3GPP Rel 6	DC-HS-PA Subtest-2	18.81	18.86	18.90	19.60	18.65	18.63	18.63	19.20	18.65	18.84	18.84	19.40	16.13	16.19	16.26	16.70
3GPP Rel 6	DC-HS-PA Subtest-3	18.77	18.80	18.75	19.60	18.78	18.53	18.66	19.20	18.74	18.82	18.79	19.40	16.22	16.23	16.19	16.70
3GPP Rel 6	DC-HS-PA Subtest-4	18.67	18.80	18.75	19.60	18.69	18.53	18.69	19.20	18.82	18.86	18.81	19.40	16.18	16.24	16.24	16.70
3GPP Rel 6	HS-PA Subtest-1	18.75	18.88	18.57	19.60	18.62	18.70	18.73	19.20	18.91	18.92	18.90	19.40	16.18	16.24	16.28	16.70
3GPP Rel 6	HS-PA Subtest-2	18.76	18.77	18.62	19.60	18.75	18.76	18.76	19.20	18.86	18.96	18.77	19.40	16.15	16.31	16.26	16.70
3GPP Rel 6	HS-PA Subtest-3	18.65	18.85	18.57	19.60	18.64	18.84	18.78	19.20	18.84	18.85	18.75	19.40	16.20	16.28	16.32	16.70
3GPP Rel 6	HS-PA Subtest-4	18.62	18.81	18.64	19.60	18.70	18.73	18.72	19.20	18.77	18.80	18.74	19.40	16.24	16.31	16.31	16.70
3GPP Rel 6	HS-PA	18.71	18.74	18.64	19.60	18.63	18.65	18.71	19.20	18.86	18.94	18.78	19.40	16.13	16.34	16.21	16.70
3GPP Rel 7	HS-PA (16QAM) Subtest-1	18.68	18.60	18.55	19.60	18.48	18.76	18.72	19.20	18.83	18.85	18.75	19.40	16.10	16.30	16.06	16.70

Band 2_Ant 5											
RF (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MFR (dB)			
Channel											
Frequency (MHz)				16970	16980	19100					
20	QPSK	1	0	18.84	19.98	19.98			20.7	0	
20	QPSK	1	40	19.80	19.80	19.78					
20	QPSK	1	99	19.73	19.88	19.85					
20	QPSK	50	0	19.80	19.80	19.80			20.7	0	
20	QPSK	50	0	19.72	19.73	19.58					
20	QPSK	50	24	19.82	19.71	19.71					
20	QPSK	100	0	19.80	19.77	19.76			20.7	0	
20	16QAM	1	0	19.58	19.54	19.54					
20	16QAM	1	49	19.58	19.70	19.65					
20	16QAM	50	0	19.70	19.76	19.83			20.7	0	
20	16QAM	50	24	19.70	19.74	19.75					
20	16QAM	100	0	19.83	19.70	19.77					
20	16QAM	50	0	19.64	19.73	19.73			20.7	0	
20	16QAM	50	24	19.75	19.73	19.73					
20	16QAM	100	0	19.48	19.77	19.82					
20	256QAM	1	0	17.90	17.90	17.89			20.7	0	
20	256QAM	1	49	17.96	17.94	17.84					
20	256QAM	50	24	17.90	18.05	17.78					
20	256QAM	50	24	17.86	18.00	17.81			18.8	1.9	
20	256QAM	100	0	17.80	18.00	17.81					
20	256QAM	1	49	17.86	18.00	17.86					
Frequency (MHz)				16970	16980	19100	Turn-on time (min)	MFR (dB)			
15	QPSK	1	0	19.92	19.94	19.88			20.7	0	
15	QPSK	1	37	19.92	19.90	19.94					
15	QPSK	1	74	19.93	19.90	19.93					
15	QPSK	26	0	19.85	19.88	19.74			20.7	0	
15	QPSK	26	12	19.97	19.94	19.94					
15	QPSK	36	20	19.94	19.89	19.89					
15	QPSK	75	0	19.84	19.92	19.93			20.7	0	
15	16QAM	1	0	19.75	19.81	19.82					
15	16QAM	1	37	19.90	19.90	19.78					
15	16QAM	36	0	19.83	19.92	19.95			20.7	0	
15	16QAM	36	20	19.82	19.91	19.88					
15	16QAM	75	0	19.87	19.80	19.89					
15	16QAM	1	0	19.81	19.90	19.83			20.7	0	
15	16QAM	1	37	19.73	19.94	19.75					
15	16QAM	1	74	19.66	19.90	19.77					
15	16QAM	36	0	19.78	19.93	19.78			20.7	0	
15	16QAM	36	20	19.84	19.86	19.86					
15	16QAM	75	0	19.79	19.91	19.76					
15	256QAM	1	0	17.90	17.94	17.93			18.8	1.9	
15	256QAM	1	37	17.90	17.96	17.85					
15	256QAM	1	37	17.97	17.96	17.91					
15	256QAM	36	0	17.88	17.90	17.89			18.8	1.9	
15	256QAM	36	20	17.88	17.90	17.84					
15	256QAM	36	20	17.89	18.01	17.91					
15	256QAM	75	0	17.80	18.04	17.84					
Channel				16970	16980	19100	Turn-on time (min)	MFR (dB)			
10	QPSK	1	0	19.92	19.94	19.88			20.7	0	
10	QPSK	1	25	19.93	19.91	19.95					
10	QPSK	1	49	19.92	19.92	19.88					
10	QPSK	26	0	19.85	19.88	19.73			20.7	0	
10	QPSK	26	12	19.97	19.94	19.94					
10	QPSK	36	20	19.94	19.90	19.87					
10	QPSK	50	0	19.89	19.91	19.87			20.7	0	
10	16QAM	1	0	19.71	19.83	19.80					
10	16QAM	1	25	19.98	19.88	19.77					
10	16QAM	1	49	19.52	19.73	19.51			20.7	0	
10	16QAM	26	0	19.86	19.94	19.96					
10	16QAM	26	12	19.84	19.89	19.84					
10	16QAM	50	0	19.94	19.90	19.97			20.7	0	
10	16QAM	50	0	19.84	19.93	19.89					
10	16QAM	1	25	19.73	19.88	19.71					
10	16QAM	1	49	19.63	19.91	19.61			20.7	0	
10	16QAM	26	12	19.87	19.94	19.74					
10	16QAM	26	12	19.81	19.86	19.92					
10	16QAM	50	0	19.96	19.96	19.96			20.7	0	
10	16QAM	50	0	19.78	19.92	19.78					
10	16QAM	50	0	19.81	19.94	19.84					
10	16QAM	12	0	19.80	19.91	19.88			20.7	0	
10	16QAM	12	7	19.85	19.95	19.91					
10	16QAM	12	13	19.86	19.86	19.81					
10	16QAM	26	0	19.97	19.99	19.94			20.7	0	
10	16QAM	26	7	19.81	19.89	19.74					
10	256QAM	1	0	17.88	17.89	17.89					
10	256QAM	1	12	17.87	17.86	17.85			18.8	1.9	
10	256QAM	1	12	17.78	17.81	17.81					
10	256QAM	12	0	17.90	17.96	17.88					
10	256QAM	12	7	17.85	18.02	17.88			18.8	1.9	
10	256QAM	12	13	17.91	18.02	17.87					
10	256QAM	50	0	17.80	18.00	17.84					
10	256QAM	1	49	17.86	18.00	17.86					
Frequency (MHz)				16970	16980	19100	Turn-on time (min)	MFR (dB)			
5	QPSK	1	0	19.98	19.93	19.90			20.7	0	
5	QPSK	1	12	19.93	19.91	19.95					
5	QPSK	1	24	19.94	19.97	19.95					
5	QPSK	12	0	19.82	19.83	19.73			20.7	0	
5	QPSK	12	7	19.94	19.95	19.91					
5	QPSK	8	0	19.94	19.97	19.93					
5	QPSK	8	7	19.92	19.87	19.88			20.7	0	
5	QPSK	8	13	19.93	19.94	19.94					
5	QPSK	8	13	19.93	19.93	19.93					
5	16QAM	1	0	19.71	19.85	19.85			20.7	0	
5	16QAM	1	8	19.78	19.87	19.77					
5	16QAM	1	16	19.70	19.75	19.67					
5	16QAM	8	0	19.82	19.93	19.88			20.7	0	
5	16QAM	8	7	19.87	19.97	19.94					
5	16QAM	8	13	19.81	19.95	19.87					
5	16QAM	16	0	19.97	19.98	19.92			20.7	0	
5	16QAM	16	0	19.84	19.91	19.88					
5	16QAM	1	8	19.63	19.93	19.77					
5	16QAM	1	16	19.65	19.95	19.82			20.7	0	
5	16QAM	8	0	19.75	19.90	19.79					
5	16QAM	8	7	19.69	19.93	19.78					
5	16QAM	16	0	19.72	19.93	19.72			20.7	0	
5	16QAM	16	0	19.74	19.94	19.74					
5	16QAM	8	0	17.86	17.94	17.87					
5	256QAM	1	0	17.90	17.94	17.92			18.8	1.9	
5	256QAM	1	14	17.97	17.94	17.92					
5	256QAM	1	14	17.97	17.96	17.92					
5	256QAM	8	0	17.86	17.90	17.88			18.8	1.9	
5	256QAM	8	7	17.88	18.00	17.87					
5	256QAM	8	7	17.89	18.00	17.87					
5	256QAM	16	0	17.80	18.02	17.82					
Frequency (MHz)				16970	16980	19100	Turn-on time (min)	MFR (dB)			
1.4	QPSK	1	0	19.92	19.94	19.88			20.7	0	
1.4	QPSK	1	3	19.93	19.93	19.92					
1.4	QPSK	1	6	19.89	19.97	19.98					
1.4	QPSK	1	6	19.86	19.98	19.98			20.7	0	
1.4	QPSK	3	0	19.94	19.93	19.93					
1.4	QPSK	3	3	19.91	19.91	19.90					
1.4	QPSK	3	3	19.93	19.93	19.93			20.7	0	
1.4	16QAM	1	0	19.75	19.83	19.83					
1.4	16QAM	1	3	19.78	19.89	19.78					
1.4	16QAM	3	0	19.70	19.82	19.84			20.7	0	
1.4	16QAM	3	3	19.86	19.90	19.87					
1.4	16QAM	3	3	19.83	19.90	19.83					
1.4	16QAM	6	0	19.94	19.89	19.92			20.7	0	
1.4	16QAM	6	0	19.82	19.90	19.89					
1.4	16QAM	6	3	19.90	19.92	19.75					
1.4	16QAM	6	3	19.86	19.91	19.76			20.7	0	
1.4	16QAM	6	6	19.86	19.92	19.80					
1.4	16QAM	6	6	19.81	19.90	19.76					
1.4	16QAM	6	6	19.74	19.94	19.76			18.8	1.9	
1.4	16QAM	6	9	17.86	17.95	17.84					
1.4	16QAM	6	9	17.87	17.93	17.83					
1.4	256QAM	1	0	17.90	17.94	17.93			18.8	1.9	
1.4	256QAM	1	3	17.90	17.96	17.87					
1.4	256QAM	1	3	17.87	18.02	17.85					
1.4	256QAM	3	0	17.86	18.00	17.86			18.8	1.9	
1.4	256QAM	3	3	17.86	18.02	17.86					
1.4	256QAM	3	3	17.86	18.02	17.86					

Band 4_Ant 6									
RF	Modulation	RB Size	RB Offset	Power Pilot CIS, C/Freq	Power CCH C/Freq	Power PCH C/Freq	Turn-on Time (dBm)	MFR (dB)	
Channel									
200505							201755	203055	
Frequency (MHz)							1725	17325	17465
20	QPSK	1	0	18.87	19.20	18.86			
20	QPSK	1	49	18.87	19.20	18.86			0
20	QPSK	1	99	18.83	19.18	18.83			
20	QPSK	5	0	18.83	19.22	18.83			
20	QPSK	50	24	18.86	19.28	18.86			20.2
20	QPSK	50	50	18.85	19.15	18.84			
20	QPSK	100	0	18.85	19.28	18.85			
20	QPSK	100	0	18.90	19.17	19.04			
20	QPSK	1	49	18.87	19.17	19.02			20.2
20	QPSK	50	24	18.84	19.25	18.84			20.2
20	QPSK	50	50	18.85	19.15	18.84			
20	QPSK	100	0	18.85	19.28	18.85			20.2
20	QPSK	100	0	18.94	19.21	19.04			
20	QPSK	100	0	18.91	19.23	19.03			
20	QPSK	1	49	18.12	18.21	18.16			19.2
20	QPSK	1	99	18.06	18.19	18.16			
20	QPSK	50	24	18.06	18.21	18.16			
20	QPSK	50	50	18.24	18.33	18.21			19.2
20	QPSK	100	0	18.27	18.37	18.25			
20	QPSK	100	0	18.24	18.34	18.24			
Channel									
200505							201755	203055	
Frequency (MHz)							1717.5	1727.5	1747.5
15	QPSK	1	0	18.87	19.20	18.86			
15	QPSK	1	49	18.83	19.18	18.83			20.2
15	QPSK	1	99	18.89	19.08	18.79			
15	QPSK	36	20	18.76	19.20	18.86			
15	QPSK	36	36	18.73	19.07	18.86			20.2
15	QPSK	72	0	18.81	19.16	18.81			
15	QPSK	72	0	18.85	19.08	19.01			
15	QPSK	1	37	18.80	19.13	18.80			20.2
15	QPSK	1	49	18.85	19.15	18.85			
15	QPSK	36	36	18.76	19.15	19.02			
15	QPSK	36	20	18.85	19.20	18.86			20.2
15	QPSK	72	0	18.85	19.10	18.85			
15	QPSK	72	0	18.84	19.19	18.86			
15	QPSK	36	99	18.79	19.10	18.85			20.2
15	QPSK	36	99	18.79	19.10	18.85			
15	QPSK	72	0	18.79	19.08	18.86			
15	QPSK	72	0	18.81	19.14	18.81			
15	QPSK	1	37	18.82	19.13	18.80			19.2
15	QPSK	1	49	18.87	19.15	18.87			
15	QPSK	36	20	18.11	18.19	18.16			19.2
15	QPSK	36	20	18.23	18.28	18.13			
15	QPSK	72	0	18.24	18.34	18.23			
Channel									
200505							201755	203055	
Frequency (MHz)							1715	1725.5	1739.5
10	QPSK	1	0	18.87	19.20	18.86			
10	QPSK	1	49	18.84	19.18	18.89			20.2
10	QPSK	1	99	18.89	19.04	18.84			
10	QPSK	25	0	18.83	19.16	18.81			
10	QPSK	25	0	18.87	19.14	18.81			
10	QPSK	25	26	18.74	19.11	18.84			
10	QPSK	50	0	18.83	19.09	19.03			
10	QPSK	50	0	18.77	19.04	19.03			
10	QPSK	25	12	18.84	19.11	18.88			20.2
10	QPSK	25	12	18.83	19.18	18.83			
10	QPSK	50	25	18.84	19.18	18.88			20.2
10	QPSK	50	25	18.83	19.03	19.03			
10	QPSK	25	0	18.80	19.12	18.88			20.2
10	QPSK	25	0	18.80	19.07	18.88			
10	QPSK	50	0	18.80	19.07	19.03			20.2
10	QPSK	50	0	18.80	19.07	19.03			
10	QPSK	25	26	18.10	18.14	18.10			19.2
10	QPSK	25	26	18.10	18.14	18.10			
10	QPSK	50	25	18.21	18.25	18.23			19.2
10	QPSK	50	25	18.21	18.25	18.23			
Channel									
200505							201755	203055	
Frequency (MHz)							1712.5	1722.5	1732.5
5	QPSK	1	0	18.87	19.22	18.86			
5	QPSK	1	24	18.81	19.22	18.81			20.2
5	QPSK	1	24	18.83	19.08	18.80			
5	QPSK	12	0	18.75	19.20	18.80			
5	QPSK	12	0	18.71	19.13	18.80			
5	QPSK	12	13	18.80	19.12	18.91			
5	QPSK	25	0	18.85	19.03	19.00			
5	QPSK	25	0	18.89	19.03	19.00			
5	QPSK	12	12	18.84	19.04	18.86			
5	QPSK	12	24	18.79	19.13	18.91			
5	QPSK	12	7	18.82	19.11	18.97			
5	QPSK	25	13	18.83	19.08	18.88			
5	QPSK	25	13	18.85	19.08	18.88			20.2
5	QPSK	1	0	18.84	19.17	18.87			
5	QPSK	1	24	18.80	19.07	18.84			20.2
5	QPSK	1	24	18.85	19.07	18.81			
5	QPSK	12	0	18.90	19.10	18.80			
5	QPSK	12	0	18.89	19.10	18.80			
5	QPSK	12	13	18.89	19.09	18.92			20.2
5	QPSK	25	0	18.82	19.19	18.89			
5	QPSK	25	0	18.83	19.13	18.92			
5	QPSK	1	12	18.85	19.20	19.03			19.2
5	QPSK	1	24	17.93	18.54	18.12			
5	QPSK	1	24	18.10	18.54	18.12			
5	QPSK	12	7	18.18	18.21	18.16			
5	QPSK	12	13	18.25	18.29	18.14			19.2
5	QPSK	25	0	18.24	18.29	18.14			
Channel									
200605							201755	203055	
Frequency (MHz)							1711.5	1720.5	1730.5
3	QPSK	1	0	18.83	19.10	18.80			
3	QPSK	1	14	18.81	19.10	18.80			20.2
3	QPSK	8	0	18.79	19.17	18.90			
3	QPSK	8	0	18.78	19.12	18.90			
3	QPSK	8	7	18.76	19.05	18.80			
3	QPSK	15	0	18.80	19.10	18.97			
3	QPSK	15	0	18.78	19.12	18.88			
3	QPSK	1	8	18.81	19.16	18.80			
3	QPSK	8	14	18.75	19.12	18.88			
3	QPSK	8	4	18.74	19.12	18.88			20.2
3	QPSK	8	4	18.84	19.21	18.85			
3	QPSK	15	0	18.82	19.07	18.88			
3	QPSK	15	0	18.82	19.07	18.88			20.2
3	QPSK	1	0	18.87	19.20	18.86			
3	QPSK	8	0	18.86	19.07	18.85			20.2
3	QPSK	14	7	18.78	19.21	18.85			
3	QPSK	8	0	18.86	19.07	18.85			
3	QPSK	8	7	18.78	19.16	18.87			20.2
3	QPSK	15	0	18.82	19.18	18.87			
3	QPSK	15	0	18.82	19.18	18.87			
3	QPSK	8	0	18.80	19.18	18.85			19.2
3	QPSK	1	14	17.95	18.15	18.13			
3	QPSK	1	14	18.17	18.17	18.13			
3	QPSK	8	4	18.20	18.27	18.14			19.2
3	QPSK	8	7	18.26	18.36	18.22			
3	QPSK	15	0	18.28	18.36	18.22			
Channel									
200605							201755	203055	
Frequency (MHz)							1710.5	1720.5	1730.5
1.4	QPSK	1	0	18.84	19.21	18.86			
1.4	QPSK	1	0	18.82	19.09	18.80			20.2
1.4	QPSK	1	8	18.82	19.08	18.88			
1.4	QPSK	3	0	18.82	19.20	18.93			
1.4	QPSK	3	0	18.82	19.17	18.90			
1.4	QPSK	8	0	18.82	19.10	18.84			20.2
1.4	QPSK	8	0	18.75	19.12	18.88			
1.4	QPSK	1	3	18.75	19.02	18.88			
1.4	QPSK	1	0	18.86	19.04	18.88			
1.4	QPSK	3	1	18.93	19.15	18.98			20.2
1.4	QPSK	3	1	18.93	19.15	18.98			
1.4	QPSK	8	0	18.83	19.07	18.84			20.2
1.4	QPSK	8	0	18.76	19.14	18.91			
1.4	QPSK	1	0	18.87	19.22	18.86			
1.4	QPSK	1	0	18.85	19.16	18.86			20.2
1.4	QPSK	3	0	18.86	19.20	18.86			
1.4	QPSK	3	0	18.86	19.20	18.86			
1.4	QPSK	8	0	18.89	19.08	18.86			20.2
1.4	QPSK	8	0	18.89	19.08	18.86			
1.4	QPSK	1	3	18.01	18.03	18.03			19.2
1.4	QPSK	1	3	17.99	18.10	18.12			
1.4	QPSK	3	3	18.17	18.18	18.12			19.2
1.4	QPSK	3	3	18.15	18.18	18.12			
1.4	QPSK	3	3	18.21	18.35	18.23			19.2

[illegible]

Band 4_Ant 7										
RF [MHz]	Modulation	RF Size	RF Offset	Power [Frac]	Power [Frac]	Power [Frac]	Power [Frac]	Turn-on time (ms)	MPE (dB)	
Channel										
Frequency (MHz)				17760	17762.5	17765	17765			
20	QPSK	1	0	19.08	19.20	19.10				
20	QPSK	1	49	19.08	19.20	19.10	19.09		0	
20	QPSK	1	99	19.08	19.20	19.05				
20	QPSK	50	24	19.13	19.26	19.06				
20	QPSK	50	50	19.08	19.16	19.06			20	
20	16QAM	1	0	19.13	19.26	19.21				
20	16QAM	1	49	19.20	19.26	19.16			20	0
20	16QAM	1	99	19.13	19.26	19.11				
20	16QAM	50	0	19.16	19.26	19.15				
20	16QAM	50	24	19.10	19.23	19.22			20	0
20	16QAM	50	50	19.08	19.16	19.06				
20	64QAM	160	0	19.22	19.30	19.18				
20	64QAM	1	0	19.10	19.23	19.20				
20	64QAM	1	49	19.10	19.23	19.14			20	0
20	64QAM	1	99	19.12	19.26	19.21				
20	64QAM	50	0	19.22	19.30	19.22				
20	64QAM	50	24	19.13	19.27	19.23				
20	64QAM	50	50	19.07	19.21	19.20			20	0
20	54QAM	160	0	19.19	19.26	19.19				
20	54QAM	160	0	19.20	19.32	19.18				
20	54QAM	1	49	16.18	16.20	16.23			17.1	
20	25QAM	1	99	16.13	16.21	16.07				
20	25QAM	50	0	16.20	16.23	16.16				
20	25QAM	50	50	16.14	16.27	16.12			17.1	1
20	25QAM	160	0	16.17	16.29	16.22				
20	25QAM	160	0	16.12	16.27	16.23				
Channel										
Frequency (MHz)				17765	17770	17775	17765	Turn-on time (ms)		MPE (dB)
15	QPSK	1	0	19.14	19.26	19.13				
15	QPSK	1	49	19.07	19.07	19.07	19.06			
15	QPSK	1	74	18.92	19.01	19.01				
15	QPSK	1	99	19.13	19.26	19.12				
15	QPSK	36	20	19.13	19.26	19.16				
15	QPSK	36	39	18.98	19.02	19.01				
15	16QAM	75	1	19.17	19.26	19.18				
15	16QAM	1	0	19.26	19.30	19.24				
15	16QAM	1	37	19.12	19.18	19.18			20	0
15	16QAM	1	74	19.20	19.32	19.27				
15	16QAM	36	0	19.13	19.15	19.05				
15	16QAM	36	20	19.06	19.08	19.14			20	0
15	16QAM	36	39	19.07	19.08	19.00				
15	64QAM	75	0	19.14	19.11	19.03				
15	64QAM	1	0	19.07	19.20	19.08				
15	64QAM	1	49	19.07	19.20	19.11				
15	64QAM	1	74	19.07	19.24	19.10				
15	64QAM	36	0	19.09	19.21	19.09				
15	64QAM	36	20	19.06	19.08	19.00				
15	64QAM	36	39	19.18	19.07	19.11				
15	64QAM	75	0	19.07	19.20	19.07				
15	25QAM	1	99	16.13	16.21	16.06			17.1	2.9
15	25QAM	50	0	16.20	16.23	16.16				
15	25QAM	50	50	16.08	16.12	16.09			17.1	2.9
15	25QAM	160	0	16.17	16.29	16.22				
15	25QAM	160	0	16.12	16.27	16.23				
Channel										
Frequency (MHz)				17770	17775	17780	17770	Turn-on time (ms)		MPE (dB)
10	QPSK	1	0	19.09	19.24	19.13				
10	QPSK	1	49	19.07	19.07	19.07	19.06		20	0
10	QPSK	1	99	19.09	19.24	19.13				
10	QPSK	25	12	19.11	19.19	19.08				
10	QPSK	25	25	19.05	19.09	19.01				
10	QPSK	40	0	19.09	19.19	19.15				
10	QPSK	40	1	19.16	19.18	19.04				
10	16QAM	1	25	19.06	19.20	19.18			20	0
10	16QAM	1	49	19.07	19.20	19.16				
10	16QAM	25	0	19.02	19.19	19.07				
10	16QAM	25	12	19.11	19.21	19.14			20	0
10	16QAM	25	25	19.06	19.18	19.08				
10	16QAM	50	0	19.19	19.11	19.08				
10	64QAM	1	0	19.05	19.14	19.08				
10	64QAM	1	49	19.04	19.08	19.06				
10	64QAM	1	99	19.06	19.20	19.14				
10	64QAM	25	0	19.07	19.20	19.07				
10	64QAM	25	12	19.03	19.08	19.06				
10	64QAM	25	25	19.13	19.26	19.15				
10	64QAM	50	0	19.14	19.19	19.15				
10	25QAM	1	25	16.01	16.22	16.14			17.1	2.9
10	25QAM	1	49	15.98	16.20	15.96				
10	25QAM	50	0	16.23	16.27	16.19				
10	25QAM	50	25	16.06	16.22	16.21			17.1	2.9
10	25QAM	160	0	16.10	16.29	16.24				
Channel										
Frequency (MHz)				17775	17780	17785	17775	Turn-on time (ms)		MPE (dB)
5	QPSK	1	0	19.09	19.20	19.10				
5	QPSK	1	12	19.09	19.20	19.10	19.09		20	0
5	QPSK	1	24	18.92	19.03	19.04				
5	QPSK	12	0	19.20	19.15	19.15				
5	QPSK	12	12	19.11	19.08	19.02				
5	QPSK	12	13	18.97	19.07	19.09				
5	QPSK	28	0	19.07	19.20	19.06				
5	16QAM	1	0	19.23	19.15	19.15				
5	16QAM	1	12	19.17	19.11	19.16				
5	16QAM	1	24	19.11	19.07	19.13				
5	16QAM	12	7	19.04	19.29	19.03				
5	16QAM	12	13	19.04	19.29	19.03				
5	16QAM	25	0	19.13	19.16	19.12				
5	16QAM	25	12	19.01	19.16	19.14				
5	16QAM	25	13	18.92	19.12	19.13				
5	64QAM	1	24	19.08	19.20	19.08				
5	64QAM	12	0	19.07	19.16	19.07				
5	64QAM	12	13	19.07	19.20	19.12				
5	64QAM	25	0	19.12	19.26	19.19				
5	64QAM	25	12	19.02	19.17	19.20				
5	64QAM	1	12	16.10	16.22	16.14			17.1	2.9
5	25QAM	1	24	16.10	16.19	16.08				
5	25QAM	12	0	16.23	16.27	16.20				
5	25QAM	12	7	16.01	16.20	16.07				
5	25QAM	12	13	16.06	16.24	16.16				
5	25QAM	25	0	16.08	16.26	16.20				
Channel										
Frequency (MHz)				17785	17790	17795	17785	Turn-on time (ms)		MPE (dB)
3	QPSK	1	0	19.02	19.21	19.04				
3	QPSK	1	14	19.03	19.20	19.03	19.03		20	0
3	QPSK	8	0	19.07	19.16	19.07				
3	QPSK	8	7	19.06	19.04	19.04				
3	16QAM	15	0	19.15	19.22	19.11				
3	16QAM	1	0	19.17	19.11	19.12				
3	16QAM	1	8	19.07	19.06	19.17				
3	16QAM	1	14	19.14	19.19	19.01				
3	16QAM	8	0	19.08	19.13	19.13				
3	16QAM	8	7	19.06	19.15	19.11				
3	16QAM	15	0	19.14	19.11	19.12			20	0
3	16QAM	15	0	19.13	19.22	19.16				
3	64QAM	1	0	19.00	19.15	19.13				
3	64QAM	1	14	19.01	19.18	19.14				
3	64QAM	8	0	19.19	19.11	19.07				
3	64QAM	8	7	19.17	19.08	19.08				
3	64QAM	8	7	19.21	19.09	19.09				
3	64QAM	15	0	19.17	19.22	19.04				
3	25QAM	1	14	16.06	16.23	16.08				
3	25QAM	1	8	16.01	16.20	16.15			17.1	2.9
3	25QAM	1	14	16.06	16.13	15.99				
3	25QAM	8	4	16.17	16.09	16.06				
3	25QAM	8	4	16.10	16.25	16.07				
3	25QAM	8	7	16.12	16.23	16.20			17.1	2.9
3	25QAM	15	0	16.15	16.15	16.10				
Channel										
Frequency (MHz)				17907	17910	17915	17907	Turn-on time (ms)		MPE (dB)
1.4	QPSK	1	0	19.10	19.23	19.12				
1.4	QPSK	1	49	19.07	19.07	19.07	19.06		20	0
1.4	QPSK	1	5	18.95	19.01	19.02				
1.4	QPSK	3	0	19.19	19.19	19.04				
1.4	QPSK	3	49	19.06	19.04	19.06				
1.4	QPSK	2	3	18.93	19.15	19.06				
1.4	16QAM	6	0	19.07	19.13	19.15			20	0
1.4	16QAM	6	0	19.26	19.15	19.15				
1.4	16QAM	1	3	19.09	19.13	19.21				
1.4	16QAM	1	5	19.04	19.21	19.12			20	0
1.4	16QAM	3	0	19.07	19.19	19.14				
1.4	16QAM	3	1	19.11	19.11	19.14				
1.4	64QAM	6	0	19.08	19.19	19.14				
1.4	64QAM	6	0	19.13	19.22	19.17				
1.4	64QAM	1	0	19.05	19.21	19.08				
1.4	64QAM	1	5	19.02	19.22	19.14				
1.4	64QAM	1	5	19.04	19.29	19.18				
1.4	64QAM	3	0	19.14	19.09	19.14				
1.4	64QAM	3	0	19.13	19.26	19.19				

Band 5_Ant 1														
RF [MHz]	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on [dB]	MP [dB]					
Channel				2000	5000	8000	8400							
Frequency (MHz)				500.5	500.5	500.5	500.5							
5	QPSK	1	0	21.80	21.72	21.64	21.56			22	0			
	QPSK	1	1	21.80	21.72	21.64	21.56							
	QPSK	1	48	21.80	21.68	21.54	21.54							
	QPSK	25	0	21.84	21.68	21.54	21.54							
	QPSK	25	1	21.84	21.68	21.54	21.54							
	QPSK	25	25	21.80	21.58	21.58	21.58							
	QPSK	10	0	21.80	21.68	21.54	21.54							
	QPSK	10	1	0	21.80	21.59	21.54	21.54						
	QPSK	1	25	21.80	21.54	21.61	21.61							
	QPSK	1	48	21.80	21.54	21.61	21.61							
	QPSK	25	12	21.80	21.58	21.57	21.63							
	QPSK	25	12	1	21.80	21.58	21.57	21.63						
5	QPSK	10	25	0	21.80	21.59	21.62			22	0			
	QPSK	10	25	1	0	21.80	21.59	21.62						
	QPSK	1	0	21.80	21.58	21.57	21.53							
	QPSK	1	1	21.80	21.58	21.57	21.53							
	QPSK	1	48	21.80	21.57	21.57	21.53							
	QPSK	25	0	21.80	21.59	21.61	21.65							
	QPSK	25	0	1	21.84	21.81	21.56							
	QPSK	25	1	1	21.84	21.81	21.56							
	QPSK	25	1	48	19.37	19.45	19.42							
	QPSK	1	25	19.47	19.36	19.37	19.37							
	QPSK	1	48	19.43	19.37	19.37	19.37							
	QPSK	25	12	19.43	19.43	19.41	19.41							
5	QPSK	25	12	19.43	19.41	19.41	19.41			20	2			
	QPSK	25	25	19.36	19.46	19.42	19.42							
	QPSK	25	25	19.36	19.42	19.39	19.39							
	Channel				2000.5	2000.5	2000.5	Increase [dB]	MP [dB]					
	Frequency (MHz)				500.5	500.5	500.5							
	5	QPSK	1	0	21.84	21.81	21.57	21.57					22	0
		QPSK	1	1	21.84	21.81	21.57	21.57						
		QPSK	1	24	21.80	21.47	21.43	21.43						
		QPSK	12	0	21.84	21.81	21.57	21.57						
		QPSK	12	1	21.84	21.81	21.57	21.57						
		QPSK	12	12	21.80	21.42	21.47	21.47						
		QPSK	12	12	1	21.80	21.39	21.44						
QPSK		1	25	21.80	21.39	21.44	21.44							
QPSK		1	0	21.80	21.39	21.44	21.44							
QPSK		1	1	0	21.80	21.39	21.44							
QPSK		1	12	21.80	21.43	21.48	21.48							
QPSK		1	12	1	21.80	21.43	21.48	21.48						
5	QPSK	1	12	8	21.80	21.39	21.43			20	2			
	QPSK	12	7	21.80	21.41	21.46	21.52							
	QPSK	12	7	1	21.80	21.41	21.46	21.52						
	QPSK	12												
	QPSK	25	0	21.84	21.81	21.57	21.57							
	QPSK	12	12	19.36	19.46	19.39	19.39							
	QPSK	12	7	19.37	19.40	19.43	19.43							
	QPSK	12	7	19.37	19.40	19.43	19.43							
	QPSK	12	13	19.30	19.32	19.32	19.32							
	QPSK	12	13	19.30	19.32	19.32	19.32							
	QPSK	1	0	21.84	21.81	21.57	21.57							
	QPSK	1	24	21.81	21.46	21.50	21.50							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
5	QPSK	12	0	21.84	21.86	21.48	21.48			22	0			
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21.55							
	QPSK	1	1	21.84	21.80	21.55	21.55							
	QPSK	1	24	21.81	21.46	21.50	21.50							
	QPSK	12	0	21.84	21.86	21.48	21.48							
	QPSK	12	1	21.84	21.86	21.48	21.48							
	QPSK	12	13	21.81	21.51	21.55	21.50							
	QPSK	25	0	21.84	21.80	21.55	21.55							
	QPSK	1	0	21.84	21.80	21.55	21							

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power High Ch / Freqs	Power High Ch / Freqs	Turn-on time (min)	MTR (dB)	Ch Delta +dB	Ch Delta -dB
Channel 1										
Frequency (MHz)				20.940	20.940	20.940				
				800	800.5	800.5				
10	QPSK	1	0	17.42	17.50	17.50				
10	QPSK	1	25	17.36	17.43	17.36			0	0.20
10	QPSK	1	40	17.31	17.32	17.31				
10	QPSK	25	0	17.41	17.49	17.45				
10	QPSK	25	12	17.36	17.40	17.33			0	0.17
10	QPSK	25	25	17.33	17.32	17.42				
10	QPSK	50	0	17.40	17.47	17.33				
10	QPSK	1	0	17.45	17.51	17.52			0	0.14
10	QPSK	1	25	17.41	17.40	17.30				
10	QPSK	1	40	17.40	17.40	17.36				
10	QPSK	25	0	17.37	17.38	17.33			0	0.14
10	QPSK	25	12	17.31	17.44	17.42				
10	QPSK	25	25	17.42	17.31	17.44				
10	QPSK	50	0	17.38	17.39	17.40				
10	QPSK	1	25	17.40	17.43	17.43			0	0.11
10	QPSK	1	40	17.43	17.32	17.32				
10	QPSK	25	0	17.31	17.36	17.45				
10	QPSK	25	12	17.42	17.43	17.45			0	0.14
10	QPSK	25	25	17.44	17.44	17.42				
10	QPSK	50	0	17.32	17.35	17.44				
10	QPSK	1	0	17.33	17.33	17.31				
10	QPSK	1	25	17.39	17.31	17.43			0	0.12
10	QPSK	1	40	17.37	17.31	17.43				
10	QPSK	25	0	17.45	17.42	17.31				
10	QPSK	25	12	17.40	17.43	17.31			0	0.15
10	QPSK	25	25	17.42	17.43	17.33				
10	QPSK	50	0	17.45	17.43	17.40				
Channel 2										
Frequency (MHz)				20.945	20.945	20.945				
5	QPSK	1	0	17.34	17.49	17.41				
5	QPSK	1	12	17.24	17.41	17.30			0	0.27
5	QPSK	1	25	17.31	17.32	17.32				
5	QPSK	12	0	17.31	17.42	17.30				
5	QPSK	12	7	17.24	17.31	17.30			0	0.21
5	QPSK	12	14	17.33	17.22	17.34				
5	QPSK	25	0	17.39	17.47	17.21				
5	QPSK	1	0	17.39	17.27	17.19			0	0.20
5	QPSK	1	12	17.31	17.32	17.32				
5	QPSK	1	24	17.35	17.33	17.27				
5	QPSK	12	0	17.27	17.34	17.19			0	0.24
5	QPSK	12	7	17.28	17.31	17.23				
5	QPSK	12	13	17.31	17.26	17.41				
5	QPSK	25	0	17.21	17.36	17.43				
5	QPSK	1	0	17.26	17.31	17.29			0	0.12
5	QPSK	1	12	17.37	17.40	17.36				
5	QPSK	1	24	17.40	17.40	17.36				
5	QPSK	12	0	17.33	17.34	17.43			0	0.25
5	QPSK	12	7	17.33	17.36	17.34				
5	QPSK	12	13	17.32	17.31	17.21				
5	QPSK	25	0	17.22	17.31	17.42				
5	QPSK	1	0	17.22	17.27	17.26			0	0.19
5	QPSK	1	12	17.37	17.34	17.36				
5	QPSK	1	24	17.36	17.18	17.31				
5	QPSK	12	0	17.38	17.37	17.17				
5	QPSK	12	7	17.34	17.36	17.29			0	0.24
5	QPSK	12	13	17.32	17.41	17.31				
5	QPSK	25	0	17.30	17.34	17.38				
Channel 3										
Frequency (MHz)				20.947	20.947	20.947				
3	QPSK	1	0	17.30	17.50	17.47				
3	QPSK	1	8	17.31	17.41	17.26			0	0.27
3	QPSK	1	16	17.33	17.33	17.31				
3	QPSK	8	0	17.39	17.43	17.33				
3	QPSK	8	4	17.30	17.38	17.19			0	0.24
3	QPSK	8	12	17.33	17.25	17.34				
3	QPSK	16	0	17.34	17.33	17.26				
3	QPSK	1	0	17.40	17.18	17.26			0	0.24
3	QPSK	1	8	17.30	17.43	17.32				
3	QPSK	1	16	17.34	17.40	17.38				
3	QPSK	8	0	17.23	17.33	17.20				
3	QPSK	8	4	17.30	17.39	17.22			0	0.21
3	QPSK	8	12	17.30	17.22	17.39				
3	QPSK	16	0	17.18	17.38	17.37				
3	QPSK	1	0	17.31	17.38	17.38			0	0.16
3	QPSK	1	8	17.34	17.41	17.38				
3	QPSK	1	16	17.39	17.25	17.25				
3	QPSK	8	0	17.28	17.27	17.38				
3	QPSK	8	4	17.28	17.29	17.31			0	0.16
3	QPSK	8	12	17.34	17.26	17.28				
3	QPSK	16	0	17.31	17.33	17.43				
3	QPSK	1	0	17.36	17.21	17.22			0	0.17
3	QPSK	1	8	17.38	17.26	17.26				
3	QPSK	1	16	17.35	17.29	17.31				
3	QPSK	8	0	17.27	17.27	17.19			0	0.25
3	QPSK	8	4	17.29	17.34	17.24				
3	QPSK	8	12	17.37	17.36	17.24				
3	QPSK	16	0	17.38	17.38	17.41				
Channel 4										
Frequency (MHz)				20.949	20.949	20.949				
1.4	QPSK	1	0	17.33	17.41	17.44				
1.4	QPSK	1	3	17.34	17.41	17.31			0	0.22
1.4	QPSK	1	6	17.30	17.32	17.40				
1.4	QPSK	3	0	17.34	17.38	17.30				
1.4	QPSK	3	1	17.24	17.38	17.30			0	0.19
1.4	QPSK	3	3	17.31	17.33	17.25				
1.4	QPSK	6	0	17.38	17.32	17.19				
1.4	QPSK	1	0	17.40	17.23	17.21			0	0.22
1.4	QPSK	1	3	17.36	17.36	17.27				
1.4	QPSK	1	6	17.36	17.34	17.28				
1.4	QPSK	3	0	17.26	17.43	17.29			0	0.06
1.4	QPSK	3	1	17.26	17.43	17.29				
1.4	QPSK	6	0	17.25	17.34	17.30				
1.4	QPSK	1	0	17.40	17.18	17.21			0	0.21
1.4	QPSK	1	3	17.36	17.36	17.28				
1.4	QPSK	1	6	17.31	17.33	17.25				
1.4	QPSK	3	0	17.33	17.35	17.28			0	0.15
1.4	QPSK	3	1	17.26	17.34	17.34				
1.4	QPSK	6	0	17.29	17.31	17.16				
1.4	QPSK	1	0	17.36	17.24	17.29			0	0.26
1.4	QPSK	1	3	17.31	17.30	17.19				
1.4	QPSK	1	6	17.29	17.40	17.27				
1.4	QPSK	3	0	17.40	17.38	17.19			0	0.07
1.4	QPSK	3	1	17.37	17.41	17.44				

Band 7_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power High Ch / Freqs	Power High Ch / Freqs	Turn-on time (dBm)	MFR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				16.91	16.90	16.90				
20	QPSK	1	0	16.91	16.76	16.80	17.6	0		
20	QPSK	1	99	16.81	16.85	16.83				
20	QPSK	50	0	16.90	16.83	16.90				
20	QPSK	50	24	16.82	16.83	16.83	17.6	0		
20	QPSK	50	50	16.80	16.80	16.86				
20	QPSK	100	0	16.81	16.82	16.81				
20	QPSK	1	0	16.82	16.85	16.93	17.6	0		
20	QPSK	1	99	16.80	16.81	16.83				
20	QPSK	50	0	16.87	16.89	16.90				
20	QPSK	50	24	16.79	16.91	16.80	17.6	0		
20	QPSK	50	50	16.83	16.82	16.83				
20	QPSK	100	0	16.80	16.80	16.80				
20	QPSK	1	0	16.80	16.81	16.85	17.6	0		
20	QPSK	1	99	16.83	16.81	16.79				
20	QPSK	50	0	16.91	16.93	16.91				
20	QPSK	50	24	16.90	16.90	16.92	17.6	0		
20	QPSK	50	50	16.92	16.80	16.90				
20	QPSK	100	0	16.90	16.80	16.90				
Channel				20855	21100	21375				
Frequency (MHz)				16.91 <th>16.92<th>16.92</th><th></th><th></th><th colspan="2"></th></th>	16.92 <th>16.92</th> <th></th> <th></th> <th colspan="2"></th>	16.92				
15	QPSK	1	0	16.91	16.82	16.86	17.6	0		
15	QPSK	1	97	16.80	16.82	16.72				
15	QPSK	1	74	16.80	16.77	16.87				
15	QPSK	99	0	16.82	16.82	16.87				
15	QPSK	36	0	16.74	16.81	16.82				
15	QPSK	36	36	16.82	16.88	16.71				
15	QPSK	75	0	16.79	16.77	16.81				
15	QPSK	1	0	16.69	16.83	16.81				
15	QPSK	1	97	16.87	16.83	16.81				
15	QPSK	14	0	16.79	16.79	16.79				
15	QPSK	36	0	16.86	16.86	16.76				
15	QPSK	36	36	16.74	16.86	16.80	17.6	0		
15	QPSK	75	0	16.80	16.80	16.80				
15	QPSK	75	0	16.76	16.86	16.71				
15	QPSK	1	0	16.81	16.87	16.79				
15	QPSK	1	97	16.80	16.80	16.80				
15	QPSK	1	74	16.88	16.90	16.79				
15	QPSK	99	0	16.82	16.82	16.82				
15	QPSK	36	0	16.76	16.76	16.84	17.6	0		
15	QPSK	36	36	16.80	16.80	16.80				
15	QPSK	75	0	16.82	16.82	16.82				
15	QPSK	1	0	16.82	16.88	16.80				
15	QPSK	1	97	16.80	16.88	16.80				
15	QPSK	1	74	16.87	16.87	16.87				
15	QPSK	36	0	16.75	16.76	16.76				
15	QPSK	36	36	16.75	16.76	16.76				
15	QPSK	75	0	16.70	16.74	16.72	17.6	0		
15	QPSK	75	0	16.67	16.82	16.67				
15	QPSK	75	0	16.65	16.87	16.61				
Channel				20860	21100	21400				
Frequency (MHz)				16.91 <th>16.90<th>16.90</th><th></th><th></th><th colspan="2"></th></th>	16.90 <th>16.90</th> <th></th> <th></th> <th colspan="2"></th>	16.90				
10	QPSK	1	0	16.91	16.80	16.80	17.6	0		
10	QPSK	1	97	16.77	16.82	16.68				
10	QPSK	1	49	16.68	16.78	16.68				
10	QPSK	25	0	16.79	16.79	16.79				
10	QPSK	25	12	16.73	16.80	16.73	17.6	0		
10	QPSK	25	25	16.74	16.80	16.74				
10	QPSK	50	0	16.76	16.80	16.76				
10	QPSK	50	0	16.76	16.74	16.80	17.6	0		
10	QPSK	1	0	16.81	16.83	16.86				
10	QPSK	1	97	16.71	16.76	16.76				
10	QPSK	25	0	16.84	16.86	16.86				
10	QPSK	25	12	16.71	16.83	16.71	17.6	0		
10	QPSK	25	25	16.73	16.73	16.73				
10	QPSK	50	0	16.71	16.84	16.78				
10	QPSK	1	0	16.74	16.89	16.79				
10	QPSK	1	97	16.81	16.81	16.81				
10	QPSK	1	49	16.73	16.83	16.64				
10	QPSK	25	0	16.69	16.82	16.79				
10	QPSK	25	12	16.71	16.71	16.71				
10	QPSK	25	25	16.74	16.74	16.74				
10	QPSK	50	0	16.72	16.74	16.84	17.6	0		
10	QPSK	50	0	16.72	16.76	16.76				
10	QPSK	1	0	16.87	16.79	16.79				
10	QPSK	1	97	16.87	16.82	16.84				
10	QPSK	1	49	16.63	16.63	16.63				
10	QPSK	25	0	16.77	16.86	16.77				
10	QPSK	25	12	16.74	16.81	16.84	17.6	0		
10	QPSK	25	25	16.74	16.81	16.84				
10	QPSK	50	0	16.74	16.83	16.82				
Frequency (MHz)				20775	21100	21420				
Frequency (MHz)				16.93	16.87	16.87				
5	QPSK	1	12	16.73	16.87	16.76	17.6	0		
5	QPSK	1	24	16.75	16.78	16.78				
5	QPSK	1	36	16.76	16.82	16.82				
5	QPSK	12	7	16.72	16.90	16.72				
5	QPSK	12	13	16.77	16.88	16.72				
5	QPSK	24	0	16.77	16.79	16.79				
5	QPSK	1	0	16.79	16.81	16.81				
5	QPSK	1	12	16.76	16.79	16.83	17.6	0		
5	QPSK	1	24	16.78	16.87	16.78				
5	QPSK	12	0	16.73	16.86	16.71				
5	QPSK	12	7	16.69	16.81	16.76	17.6	0		
5	QPSK	12	13	16.74	16.74	16.74				
5	QPSK	24	0	16.78	16.86	16.78				
5	QPSK	1	0	16.79	16.82	16.88	17.6	0		
5	QPSK	1	12	16.74	16.84	16.84				
5	QPSK	1	24	16.78	16.88	16.88				
5	QPSK	12	13	16.78	16.68	16.71	17.6	0		
5	QPSK	25	0	16.71	16.76	16.76				
5	QPSK	25	12	16.73	16.73	16.73				
5	QPSK	25	12	16.84	16.86	16.85				
5	QPSK	24	0	16.79	16.84	16.89	17.6	0		
5	QPSK	12	7	16.74	16.79	16.79				
5	QPSK	12	7	16.78	16.77	16.77				
5	QPSK	12	7	16.78	16.77	16.77				

Band 7_Ant 7									
RF [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (int)	MPR (dB)	
Channel				2095	2150	2160			
Frequency (MHz)				2095	2150	2160			
30	QPSK	1	0	16.76	16.65	16.64	17.8	0	
30	QPSK	1	40	16.61	16.70	16.66			
30	QPSK	1	80	16.52	16.70	16.65			
30	QPSK	50	0	16.74	16.62	16.72			
30	QPSK	50	24	16.66	16.70	16.70	17.8	0	
30	QPSK	50	50	16.72	16.76	16.71			
30	QPSK	100	0	16.70	16.70	16.65			
30	16QAM	1	0	16.62	16.76	16.75	17.8	0	
30	16QAM	1	40	16.62	16.70	16.63			
30	16QAM	1	80	16.63	16.70	16.80			
30	16QAM	50	0	16.66	16.76	16.72			
30	16QAM	50	24	16.50	16.72	16.62	17.8	0	
30	16QAM	50	50	16.61	16.71	16.85			
30	16QAM	100	0	16.77	16.81	16.74			
30	16QAM	1	0	16.72	16.62	16.70			
30	16QAM	1	40	16.67	16.74	16.73	17.8	0	
30	16QAM	1	80	16.69	16.75	16.69			
30	16QAM	50	0	16.75	16.63	16.62			
30	16QAM	50	24	16.79	16.63	16.62	17.8	0	
30	16QAM	50	50	16.81	16.76	16.72			
30	16QAM	100	0	16.66	16.60	16.79			
30	256QAM	1	0	15.32	15.45	15.33			
30	256QAM	1	40	15.36	15.44	15.41	16.5	1.3	
30	256QAM	1	80	15.43	15.44	15.41			
30	256QAM	50	0	15.07	15.21	15.15			
30	256QAM	50	24	15.11	15.14	15.07	16.5	1.3	
30	256QAM	50	50	15.11	15.20	15.14			
30	256QAM	100	0	15.19	15.25	15.19			
Channel				2095	2150	2160	160-160 (int)	MPR (dB)	
Frequency (MHz)				2095	2150	2160			
15	QPSK	1	0	16.67	16.70	16.63	17.8	0	
15	QPSK	1	37	16.59	16.62	16.41			
15	QPSK	1	74	16.54	16.61	16.44			
15	QPSK	36	0	16.66	16.70	16.73	17.8	0	
15	QPSK	36	20	16.60	16.71	16.59			
15	QPSK	36	36	16.57	16.72	16.67			
15	QPSK	75	0	16.57	16.76	16.61			
15	16QAM	1	0	16.67	16.61	16.62	17.8	0	
15	16QAM	1	37	16.60	16.66	16.66			
15	16QAM	1	74	16.62	16.71	16.66			
15	16QAM	36	0	16.63	16.73	16.59	17.8	0	
15	16QAM	36	20	16.55	16.57	16.53			
15	16QAM	36	36	16.57	16.65	16.35			
15	16QAM	75	0	16.66	16.60	16.61			
15	16QAM	1	0	16.67	16.70	16.65			
15	16QAM	1	37	16.58	16.68	16.72	17.8	0	
15	16QAM	1	74	16.65	16.66	16.66			
15	16QAM	36	0	16.60	16.71	16.68			
15	16QAM	36	20	16.70	16.72	16.60	17.8	0	
15	16QAM	36	36	16.66	16.76	16.50			
15	16QAM	75	0	16.54	16.70	16.70			
15	256QAM	1	0	15.18	15.39	15.30			
15	256QAM	1	37	15.25	15.41	15.40	16.5	1.3	
15	256QAM	1	74	15.41	15.34	15.40			
15	256QAM	36	0	15.02	15.20	15.10			
15	256QAM	36	20	15.09	15.09	15.01	16.5	1.3	
15	256QAM	36	36	15.00	15.13	15.12			
15	256QAM	75	0	15.11	15.11	15.07			
Channel				2095	2150	2160	160-160 (int)	MPR (dB)	
Frequency (MHz)				2095	2150	2160			
10	QPSK	1	0	16.70	16.71	16.76	17.8	0	
10	QPSK	1	25	16.67	16.66	16.54			
10	QPSK	1	40	16.50	16.66	16.50			
10	QPSK	25	0	16.63	16.70	16.72	17.8	0	
10	QPSK	25	12	16.64	16.65	16.69			
10	QPSK	25	25	16.71	16.66	16.66			
10	QPSK	50	0	16.66	16.70	16.65			
10	16QAM	1	0	16.76	16.71	16.79	17.8	0	
10	16QAM	1	25	16.68	16.74	16.79			
10	16QAM	1	40	16.70	16.64	16.77			
10	16QAM	25	0	16.57	16.73	16.59	17.8	0	
10	16QAM	25	12	16.49	16.71	16.55			
10	16QAM	25	25	16.50	16.60	16.65			
10	16QAM	50	0	16.68	16.72	16.69			
10	16QAM	1	0	16.62	16.70	16.68			
10	16QAM	1	25	16.57	16.66	16.72	17.8	0	
10	16QAM	1	40	16.56	16.66	16.56			
10	16QAM	25	0	16.74	16.78	16.70			
10	16QAM	25	12	16.71	16.72	16.81	17.8	0	
10	16QAM	25	25	16.71	16.70	16.62			
10	16QAM	50	0	16.54	16.75	16.69			
10	256QAM	1	0	15.27	15.39	15.22			
10	256QAM	1	25	15.31	15.31	15.33	16.5	1.3	
10	256QAM	1	40	15.28	15.41	15.27			
10	256QAM	25	0	14.99	15.19	15.10			
10	256QAM	25	12	14.97	15.04	15.06	16.5	1.3	
10	256QAM	25	25	15.05	15.08	15.03			
10	256QAM	50	0	15.17	15.17	15.15			
Channel				2095	2150	2160	160-160 (int)	MPR (dB)	
Frequency (MHz)				2095	2150	2160			
5	QPSK	1	0	16.71	16.78	16.75	17.8	0	
5	QPSK	1	12	16.47	16.56	16.43			
5	QPSK	1	24	16.43	16.56	16.51			
5	QPSK	12	0	16.71	16.61	16.74	17.8	0	
5	QPSK	12	7	16.56	16.70	16.67			
5	QPSK	12	13	16.62	16.67	16.62			
5	QPSK	25	0	16.67	16.71	16.58			
5	16QAM	1	0	16.75	16.65	16.79	17.8	0	
5	16QAM	1	12	16.61	16.69	16.71			
5	16QAM	1	24	16.78	16.72	16.69			
5	16QAM	12	0	16.60	16.64	16.64			
5	16QAM	12	7	16.46	16.63	16.52	17.8	0	
5	16QAM	12	13	16.56	16.57	16.61			
5	16QAM	25	0	16.62	16.71	16.66			
5	16QAM	1	0	16.71	16.73	16.60			
5	16QAM	1	12	16.62	16.62	16.69	17.8	0	
5	16QAM	1	24	16.67	16.69	16.61			
5	16QAM	12	0	16.74	16.71	16.73	17.8	0	
5	16QAM	12	7	16.72	16.70	16.79			
5	16QAM	25	0	16.63	16.72	16.77			
5	256QAM	1	0	15.25	15.32	15.31			
5	256QAM	1	12	15.36	15.34	15.34	16.5	1.3	
5	256QAM	1	24	15.25	15.35	15.38			
5	256QAM	12	0	14.92	15.18	15.11			
5	256QAM	12	7	14.99	15.10	15.04	16.5	1.3	
5	256QAM	12	13	14.97	15.11	14.99			
5	256QAM	25	0	15.06	15.19	15.11			

Band 12_Ant 1									
RF [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (int)	MPR (dB)	
Channel				20950	21005	21110			
Frequency (MHz)				20950	21005	21110			
10	QPSK	1	0	16.36	16.41	16.34	20.3	0	
10	QPSK	1	25	16.45	16.50	16.39			
10	QPSK	1	40	16.45	16.50	16.38			
10	QPSK	25	0	16.47	16.48	16.45	20.3	0	
10	QPSK	25	12	16.41	16.40	16.42			
10	QPSK	25	25	16.43	16.39	16.38			
10	QPSK	50	0	16.39	16.46	16.44			
10	16QAM	1	0	16.48	16.45	16.39	20.3	0	
10	16QAM	1	40	16.47	16.52	16.41			
10	16QAM	1	80	16.40	16.51	16.46			
10	16QAM	25	0	16.41	16.45	16.36			
10	16QAM	25	12	16.41	16.40	16.41	20.3	0	
10	16QAM	25	25	16.51	16.38	16.39			
10	16QAM	50	0	16.40	16.43	16.47			
10	16QAM	1	0	16.43	16.50	16.46			
10	16QAM	1	25	16.38	16.49	16.43	20.3	0	
10	16QAM	1	40	16.44	16.43	16.43			
10	16QAM	25	0	16.40	16.46	16.46			
10	16QAM	25	12	16.47	16.49	16.39	20.3	0	
10	16QAM	25	25	16.41	16.45	16.39			
10	16QAM	50	0	16.40	16.46	16.49			
10	256QAM	1	0	17.67	18.01	17.90			
10	256QAM	1	25	17.67	18.04	17.93	18.8	1.5	
10	256QAM	1	40	17.66	17.93	17.81			
10	256QAM	25	0	17.65	18.03	17.88			
10	256QAM	25	12	17.67	17.92	17.93	18.8	1.5	
10	256QAM	25	25	17.67	18.05	18.05			
10	256QAM	50	0	17.60	17.86	17.83			
Channel				20955	21005	21105	160-160 (int)	MPR (dB)	
Frequency (MHz)				20955	21005	21105			
5	QPSK	1	0	16.34	16.51	16.34	20.3	0	
5	QPSK	1	25	16.45	16.50	16.39			
5	QPSK	1	40	16.31	16.49	16.27			
5	QPSK	25	0	16.39	16.35	16.39	20.3	0	
5	QPSK	12	0	16.38	16.35	16.39			
5	QPSK	12	13	16.42	16.27	16.31			
5	QPSK	25	0	16.32	16.37	16.41			
5	16QAM	1	0	16.45	16.34	16.34	20.3	0	
5	16QAM	1	12	16.39	16.42	16.32			
5	16QAM	1	25	16.38	16.44	16.34			
5	16QAM	12	0	16.39	16.38	16.34			
5	16QAM	12	13	16.42	16.34	16.34	20.3	0	
5	16QAM	25	0	16.37	16.33	16.32			
5	16QAM	25	1	16.30	16.44	16.36			
5	16QAM	1	0	16.34	16.34	16.34	20.3	0	
5	16QAM	1	24	16.35	16.35	16.38			
5	16QAM	12	0	16.38	16.46	16.43			
5	16QAM	12	13	16.45	16.25	16.24	20.3	0	
5	16QAM	25	0	16.29	16.42	16.40			
5	256QAM	1	0	17.65	17.81	17.77			
5	256QAM	1	12	17.68	17.86	17.92	18.8	1.5	
5	256QAM	1	24	17.67	17.89	17.81			
5	256QAM	12	0	17.69	17.80	17.84			
5	256QAM	12	13	17.66	17.88	17.87	18.8	1.5	
5	256QAM	12	13	17.60	17.85	18.01			
5	256QAM	25	0	17.78	17.79	17.79			
Channel				20955	21005	21105	160-160 (int)	MPR (dB)	
Frequency (MHz)				20955	21005	21105			
3	QPSK	1	0	16.36	16.51	16.34	20.3	0	
3	QPSK	1	25	16.45	16.50	16.39			
3	QPSK	1	40	16.38	16.37	16.33			
3	QPSK	25	0	16.47	16.48	16.45	20.3	0	
3	QPSK	8	0	16.37	16.25	16.35			
3	QPSK	8	7	16.41	16.36	16.38			
3	QPSK	16	0	16.33	16.36	16.29			
3	16QAM	1	0	16.34	16.33	16.37	20.3	0	
3	16QAM	1	8	16.38	16.43	16.24			
3	16QAM	8	0	16.46	16.46	16.46			
3	16QAM	8	4	16.37	16.38	16.39	20.3	0	
3	16QAM	8	8	16.28	16.32	16.32			
3	16QAM	16	0	16.39	16.30	16.40			
3	16QAM	1	0	16.35	16.42	16.46	20.3	0	
3	16QAM	1	8	16.37	16.42	16.39			
3	16QAM	8	0	16.37	16.42	16.35			
3	16QAM	8	7	16.27	16.31	16.33	20.3	0	
3	16QAM	15	0	16.35	16.44	16.34			
3	256QAM	1	0	17.66	17.80	17.82			
3	256QAM	1	8	17.65	17.89	17.80	18.8	1.5	
3	256QAM	1	14	17.73	17.88	17.77			
3	256QAM	8	0	17.60	17.82	17.73			
3	256QAM	8	4	17.61	17.87	17.88	18.8	1.5	
3	256QAM	8	7	17.66	18.00	18.01			
3	256QAM	15	0	17.74	17.74	17.79			
Channel				20977	21005	21173	160-160 (int)	MPR (dB)	
Frequency (MHz)				20977	21005	21173			
1.4	QPSK	1	0	16.48	16.54	16.48	20.3	0	
1.4	QPSK	1	37	16.47	16.45	16.52			
1.4	QPSK	1	8	16.38	16.45	16.36	20.3	0	
1.4	QPSK	3	0	16.44	16.39	16.46			
1.4	QPSK	3	3	16.38	16.27	16.31			
1.4	QPSK	3	8	16.41	16.26	16.33			
1.4	16QAM	1	0	16.48	16.45	16.38	20.3	0	
1.4	16QAM	1	3	16.45	16.37	16.27			
1.4	16QAM	1	8	16.47	16.43	16.36			
1.4	16QAM	3	0	16.38	16.35	16.36	20.3	0	
1.4	16QAM	3	3	16.31	16.43	16.32			
1.4	16QAM	3	8	16.32	16.38	16.40	20.3	0	
1.4	16QAM	8	0	16.38	16.38	16.38			
1.4	16QAM	8	0	16.40	16.31	16.41			
1.4	16QAM	8	3	16.38	16.47	16.38			
1.4	16QAM	8	8	16.37	16.32	16.35			
1.4	16QAM	8	3	16.27	16.43	16.32	20.3	0	
1.4	256QAM	1	0	17.62	17.72	17.73			
1.4	256QAM	1	3	17.69	17.77	17.68	18.8	1.5	
1.4	256QAM	1	5	17.68	17.78	17.77			
1.4	256QAM	3	0	17.68	17.67	17.73			
1.4	256QAM	3	3	17.61	17.88	17.80			
1.4	256QAM	3	3	17.59	17.90	17.83	18.8	1.5	

Band 12_Ant 0									
RF (MHz)	Modulation	RB Size	RF Offset	Power / Ch. (Frac)	Power / Ch. (Frac)	Power / Ch. (Frac)	Turn-on Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20056	20066	21130			
5	QPSK	1	0	704	707	711			
5	QPSK	1	0	18.58	18.52	18.58			
5	QPSK	25	12	18.43	18.43	18.43	19.4	0	
5	QPSK	1	49	18.54	18.53	18.54			
5	QPSK	25	12	18.48	18.51	18.58			
5	QPSK	25	25	18.48	18.48	18.48	19.4	0	
5	QPSK	1	98	18.58	18.57	18.58			
5	QPSK	1	0	18.56	18.48	18.57			
5	QPSK	1	25	18.57	18.58	18.48	19.4	0	
5	QPSK	25	0	18.57	18.57	18.49			
5	QPSK	25	12	18.58	18.55	18.49	19.4	0	
5	QPSK	1	50	18.58	18.57	18.58			
5	QPSK	1	0	18.57	18.55	18.58			
5	QPSK	1	49	18.58	18.57	18.58	19.4		
5	QPSK	25	0	18.51	18.52	18.52			
5	QPSK	25	25	18.51	18.55	18.49	19.4	0	
5	QPSK	1	50	18.57	18.51	18.58			
5	QPSK	1	25	18.57	18.57	18.58			
5	SSB-AM	1	25	17.64	17.70	17.57	18.4	1	
5	SSB-AM	1	49	17.81	17.75	17.69			
5	SSB-AM	1	25	17.81	17.75	17.69			
5	SSB-AM	1	25	17.56	17.67	17.63	18.4	1	
5	SSB-AM	25	25	17.59	17.70	17.63			
5	SSB-AM	25	0	17.63	17.69	17.63	18.4	1	
Channel									
Frequency (MHz)				20056	20066	21130	Turn-on Int. (dBm)	MPR (dB)	
5	QPSK	1	0	705	707	713			
5	QPSK	1	0	18.52	18.51	18.48			
5	QPSK	1	12	18.43	18.42	18.43	19.4	0	
5	QPSK	1	24	18.42	18.43	18.48			
5	QPSK	12	13	18.42	18.43	18.43			
5	QPSK	12	7	18.43	18.43	18.42	19.4	0	
5	QPSK	12	13	18.42	18.39	18.43			
5	QPSK	1	49	18.52	18.51	18.48			
5	QPSK	1	12	18.51	18.55	18.48	19.4	0	
5	QPSK	1	24	18.51	18.51	18.48			
5	QPSK	12	0	18.44	18.45	18.48	19.4	0	
5	QPSK	12	7	18.44	18.43	18.50			
5	QPSK	1	49	18.52	18.51	18.48	19.4	0	
5	QPSK	1	25	18.49	18.44	18.54			
5	QPSK	1	0	18.55	18.48	18.48			
5	QPSK	1	24	18.52	18.52	18.48	19.4	0	
5	QPSK	12	0	18.45	18.39	18.57			
5	QPSK	12	13	18.45	18.47	18.42	19.4	0	
5	QPSK	12	13	18.45	18.45	18.42			
5	SSB-AM	1	12	17.53	17.59	17.51	18.4	1	
5	SSB-AM	1	24	17.52	17.66	17.66			
5	SSB-AM	1	24	17.52	17.66	17.66			
5	SSB-AM	12	7	17.43	17.63	17.60	18.4	1	
5	SSB-AM	12	13	17.53	17.58	17.52			
5	SSB-AM	12	13	17.53	17.58	17.52	19.4	1	
Channel									
Frequency (MHz)				20056	20066	21130	Turn-on Int. (dBm)	MPR (dB)	
5	QPSK	1	0	705	707	714			
5	QPSK	1	0	18.50	18.50	18.50			
5	QPSK	1	12	18.43	18.44	18.48	19.4	0	
5	QPSK	1	14	18.50	18.50	18.39			
5	QPSK	1	0	18.50	18.48	18.48			
5	QPSK	1	12	18.49	18.49	18.48	19.4	0	
5	QPSK	1	14	18.50	18.48	18.34			
5	QPSK	1	0	18.48	18.41	18.38			
5	QPSK	1	12	18.52	18.47	18.44	19.4	0	
5	QPSK	1	8	18.56	18.49	18.37			
5	QPSK	1	14	18.50	18.48	18.38			
5	QPSK	1	0	18.43	18.44	18.38			
5	QPSK	8	4	18.43	18.44	18.38			
5	QPSK	8	4	18.43	18.41	18.42			
5	QPSK	15	0	18.54	18.54	18.47			
5	QPSK	1	0	18.45	18.43	18.50			
5	QPSK	1	14	18.49	18.48	18.48	19.4	0	
5	QPSK	1	14	18.49	18.51	18.35			
5	QPSK	8	0	18.41	18.40	18.38			
5	QPSK	8	0	18.42	18.42	18.38	19.4	0	
5	QPSK	8	7	18.58	18.54	18.46			
5	QPSK	15	0	18.43	18.48	18.57			
5	SSB-AM	1	8	17.56	17.65	17.58	18.4	1	
5	SSB-AM	1	14	17.58	17.65	17.66			
5	SSB-AM	1	14	17.58	17.65	17.66			
5	SSB-AM	8	4	17.52	17.63	17.60	18.4	1	
5	SSB-AM	8	7	17.49	17.65	17.60			
5	SSB-AM	8	7	17.49	17.65	17.60	19.4	1	
Channel									
Frequency (MHz)				20070	20066	21130	Turn-on Int. (dBm)	MPR (dB)	
14	QPSK	1	0	899.7	707	713			
14	QPSK	1	0	18.44	18.50	18.54			
14	QPSK	1	0	18.41	18.55	18.58			
14	QPSK	1	0	18.52	18.52	18.41	19.4	0	
14	QPSK	1	0	18.37	18.57	18.47			
14	QPSK	1	0	18.48	18.47	18.48			
14	QPSK	3	0	18.45	18.44	18.44			
14	QPSK	3	0	18.44	18.44	18.44	19.4	0	
14	QPSK	1	0	18.42	18.45	18.51			
14	QPSK	1	0	18.54	18.47	18.47			
14	QPSK	3	1	18.54	18.47	18.47			
14	QPSK	3	1	18.57	18.49	18.40	19.4	0	
14	QPSK	3	1	18.52	18.52	18.48			
14	QPSK	3	1	18.52	18.55	18.49			
14	QPSK	6	0	18.33	18.44	18.49	19.4	0	
14	QPSK	6	0	18.51	18.49	18.51			
14	QPSK	6	0	18.58	18.58	18.48			
14	QPSK	6	0	18.48	18.47	18.43	19.4	0	
14	QPSK	3	0	18.41	18.50	18.42			
14	QPSK	3	0	18.51	18.48	18.50			
14	QPSK	6	0	18.50	18.51	18.43	19.4	0	
14	SSB-AM	1	0	17.67	17.67	17.64			
14	SSB-AM	1	0	17.58	17.68	17.63	18.4	1	
14	SSB-AM	1	0	17.61	17.61	17.60			
14	SSB-AM	3	0	17.47	17.62	17.51			
14	SSB-AM	3	0	17.49	17.57	17.49			
14	SSB-AM	3	0	17.58	17.62	17.60	19.4	1	

Band 13_Ant 1									
RF [MHz]	Modulation	RB Size	RB Offset	Power Spectral Ch./Power	Power Spectral Ch./Power	Power Spectral Ch./Power	Turnup (min)	MPN (dB)	
Channel				7820	7820				
Frequency (MHz)									
15	QPSK	1	0	23.98	23.98		23.8	0	
15	QPSK	1	40	23.98	23.98				
15	QPSK	1	-40	22.82	22.82				
15	QPSK	1	0	22.82	22.82				
15	QPSK	25	12	22.72	22.72		22.8		
15	QPSK	25	25	22.72	22.72				
15	QPSK	25	0	22.62	22.62				
15	16QAM	1	0	22.88	22.88				
15	16QAM	1	25	22.88	22.88		23.0	0	
15	16QAM	1	-40	22.88	22.88				
15	16QAM	25	0	22.18	22.18				
15	16QAM	25	12	22.18	22.18		22.8	1	
15	16QAM	25	25	22.18	22.18				
15	16QAM	80	0	21.74	21.74				
15	8QAM	1	0	21.74	21.74		22.8	1	
15	8QAM	1	25	21.74	21.74				
15	8QAM	1	-40	21.74	21.74				
15	8QAM	25	0	21.85	21.85				
15	8QAM	25	12	21.85	21.85		21.8	2	
15	8QAM	25	25	21.85	21.85				
15	8QAM	80	0	21.82	21.82				
15	25QAM	1	0	18.12	18.12				
15	25QAM	1	25	18.12	18.12		18.8	5	
15	25QAM	1	-40	18.09	18.09				
15	25QAM	1	0	18.09	18.09				
15	25QAM	25	12	18.14	18.14		18.8	5	
15	25QAM	25	25	18.14	18.14				
15	25QAM	25	0	18.13	18.13				
Channel				7920	7920	7965			
Frequency (MHz)									
5	QPSK	1	0	23.84	23.84	23.08			
5	QPSK	1	12	23.70	23.71	22.94	23.8	0	
5	QPSK	1	-24	23.74	23.62	22.85			
5	QPSK	1	0	23.70	23.70	22.70			
5	QPSK	12	7	23.60	23.59	22.49	23.8	0	
5	QPSK	12	13	23.63	23.58	22.64			
5	QPSK	25	0	23.71	23.68	22.68			
5	16QAM	1	0	22.80	22.79	22.62			
5	16QAM	1	12	22.84	22.81	22.81	23.0	0	
5	16QAM	1	-24	22.83	22.82	22.78			
5	16QAM	12	0	22.93	22.90	22.92			
5	16QAM	12	7	21.88	21.89	21.88	22.8	1	
5	16QAM	12	13	21.96	22.00	21.96			
5	16QAM	25	0	22.93	22.92	22.92			
5	8QAM	1	0	21.66	21.61	21.61			
5	8QAM	1	12	21.52	21.51	21.53	22.8	1	
5	8QAM	1	-24	21.60	21.54	21.68			
5	8QAM	12	0	20.99	20.95	20.91			
5	8QAM	12	7	20.98	20.92	20.93	21.8	2	
5	8QAM	12	13	20.98	20.91	20.96			
5	8QAM	25	0	20.92	20.82	20.93			
5	25QAM	1	0	17.95	17.91	17.97			
5	25QAM	1	12	17.84	17.87	17.87	18.8	5	
5	25QAM	1	-24	17.88	17.86	17.86			
5	25QAM	12	0	17.97	17.87	17.86			
5	25QAM	12	7	17.94	17.86	17.94	18.8	5	
5	25QAM	12	13	17.97	17.86	17.96			

Band 13_Ant 0									
RF [MHz]	Modulation	RB Size	RB Offset	Power [Frac]	Power [Frac]	Power [Frac]	Power [Frac]	Turnup (dB)	MPE (dB)
Frequency (MHz)				2320					
10	QPSK	1	0	21.03	21.03	21.03	21.03		
10	QPSK	1	25	20.89	20.89	20.89	20.89	21.8	0
10	QPSK	1	49	20.74	20.74	20.74	20.74		
10	QPSK	1	73	20.59	20.59	20.59	20.59		
10	QPSK	1	97	20.44	20.44	20.44	20.44	21.8	0
10	QPSK	1	121	20.29	20.29	20.29	20.29		
10	QPSK	1	145	20.14	20.14	20.14	20.14		
10	QPSK	1	169	20.00	20.00	20.00	20.00	21.8	0
10	QPSK	1	193	19.85	19.85	19.85	19.85		
10	QPSK	1	217	19.70	19.70	19.70	19.70		
10	QPSK	1	241	19.55	19.55	19.55	19.55	21.8	0
10	QPSK	1	265	19.40	19.40	19.40	19.40		
10	QPSK	1	289	19.25	19.25	19.25	19.25		
10	QPSK	1	313	19.10	19.10	19.10	19.10	21.8	0
10	QPSK	1	337	18.95	18.95	18.95	18.95		
10	QPSK	1	361	18.80	18.80	18.80	18.80		
10	QPSK	1	385	18.65	18.65	18.65	18.65	21.8	0
10	QPSK	1	409	18.50	18.50	18.50	18.50		
10	QPSK	1	433	18.35	18.35	18.35	18.35		
10	QPSK	1	457	18.20	18.20	18.20	18.20	21.8	0
10	QPSK	1	481	18.05	18.05	18.05	18.05		
10	QPSK	1	505	17.90	17.90	17.90	17.90		
10	QPSK	1	529	17.75	17.75	17.75	17.75	21.8	0
10	QPSK	1	553	17.60	17.60	17.60	17.60		
10	QPSK	1	577	17.45	17.45	17.45	17.45		
10	QPSK	1	601	17.30	17.30	17.30	17.30	21.8	0
10	QPSK	1	625	17.15	17.15	17.15	17.15		
10	QPSK	1	649	17.00	17.00	17.00	17.00		
10	QPSK	1	673	16.85	16.85	16.85	16.85	21.8	0
10	QPSK	1	697	16.70	16.70	16.70	16.70		
10	QPSK	1	721	16.55	16.55	16.55	16.55		
10	QPSK	1	745	16.40	16.40	16.40	16.40	21.8	0
10	QPSK	1	769	16.25	16.25	16.25	16.25		
10	QPSK	1	793	16.10	16.10	16.10	16.10		
10	QPSK	1	817	15.95	15.95	15.95	15.95	21.8	0
10	QPSK	1	841	15.80	15.80	15.80	15.80		
10	QPSK	1	865	15.65	15.65	15.65	15.65		
10	QPSK	1	889	15.50	15.50	15.50	15.50	21.8	0
10	QPSK	1	913	15.35	15.35	15.35	15.35		
10	QPSK	1	937	15.20	15.20	15.20	15.20		
10	QPSK	1	961	15.05	15.05	15.05	15.05	21.8	0
10	QPSK	1	985	14.90	14.90	14.90	14.90		
10	QPSK	1	1009	14.75	14.75	14.75	14.75		
10	QPSK	1	1033	14.60	14.60	14.60	14.60	21.8	0
10	QPSK	1	1057	14.45	14.45	14.45	14.45		
10	QPSK	1	1081	14.30	14.30	14.30	14.30		
10	QPSK	1	1105	14.15	14.15	14.15	14.15	21.8	0
10	QPSK	1	1129	14.00	14.00	14.00	14.00		
10	QPSK	1	1153	13.85	13.85	13.85	13.85		
10	QPSK	1	1177	13.70	13.70	13.70	13.70	21.8	0
10	QPSK	1	1201	13.55	13.55	13.55	13.55		
10	QPSK	1	1225	13.40	13.40	13.40	13.40		
10	QPSK	1	1249	13.25	13.25	13.25	13.25	21.8	0
10	QPSK	1	1273	13.10	13.10	13.10	13.10		
10	QPSK	1	1297	12.95	12.95	12.95	12.95		
10	QPSK	1	1321	12.80	12.80	12.80	12.80	21.8	0
10	QPSK	1	1345	12.65	12.65	12.65	12.65		
10	QPSK	1	1369	12.50	12.50	12.50	12.50		
10	QPSK	1	1393	12.35	12.35	12.35	12.35	21.8	0
10	QPSK	1	1417	12.20	12.20	12.20	12.20		
10	QPSK	1	1441	12.05	12.05	12.05	12.05		
10	QPSK	1	1465	11.90	11.90	11.90	11.90	21.8	0
10	QPSK	1	1489	11.75	11.75	11.75	11.75		
10	QPSK	1	1513	11.60	11.60	11.60	11.60		
10	QPSK	1	1537	11.45	11.45	11.45	11.45	21.8	0
10	QPSK	1	1561	11.30	11.30	11.30	11.30		
10	QPSK	1	1585	11.15	11.15	11.15	11.15		
10	QPSK	1	1609	11.00	11.00	11.00	11.00	21.8	0
10	QPSK	1	1633	10.85	10.85	10.85	10.85		
10	QPSK	1	1657	10.70	10.70	10.70	10.70		
10	QPSK	1	1681	10.55	10.55	10.55	10.55	21.8	0
10	QPSK	1	1705	10.40	10.40	10.40	10.40		
10	QPSK	1	1729	10.25	10.25	10.25	10.25		
10	QPSK	1	1753	10.10	10.10	10.10	10.10	21.8	0
10	QPSK	1	1777	9.95	9.95	9.95	9.95		
10	QPSK	1	1801	9.80	9.80	9.80	9.80		
10	QPSK	1	1825	9.65	9.65	9.65	9.65	21.8	0
10	QPSK	1	1849	9.50	9.50	9.50	9.50		
10	QPSK	1	1873	9.35	9.35	9.35	9.35		
10	QPSK	1	1897	9.20	9.20	9.20	9.20	21.8	0
10	QPSK	1	1921	9.05	9.05	9.05	9.05		
10	QPSK	1	1945	8.90	8.90	8.90	8.90		
10	QPSK	1	1969	8.75	8.75	8.75	8.75	21.8	0
10	QPSK	1	1993	8.60	8.60	8.60	8.60		
10	QPSK	1	2017	8.45	8.45	8.45	8.45		
10	QPSK	1	2041	8.30	8.30	8.30	8.30	21.8	0
10	QPSK	1	2065	8.15	8.15	8.15	8.15		
10	QPSK	1	2089	8.00	8.00	8.00	8.00		
10	QPSK	1	2113	7.85	7.85	7.85	7.85	21.8	0
10	QPSK	1	2137	7.70	7.70	7.70	7.70		
10	QPSK	1	2161	7.55	7.55	7.55	7.55		
10	QPSK	1	2185	7.40	7.40	7.40	7.40	21.8	0
10	QPSK	1	2209	7.25	7.25	7.25	7.25		
10	QPSK	1	2233	7.10	7.10	7.10	7.10		
10	QPSK	1	2257	6.95	6.95	6.95	6.95	21.8	0
10	QPSK	1	2281	6.80	6.80	6.80	6.80		
10	QPSK	1	2305	6.65	6.65	6.65	6.65		
10	QPSK	1	2329	6.50	6.50	6.50	6.50	21.8	0
10	QPSK	1	2353	6.35	6.35	6.35	6.35		
10	QPSK	1	2377	6.20	6.20	6.20	6.20		
10	QPSK	1	2401	6.05	6.05	6.05	6.05	21.8	0
10	QPSK	1	2425	5.90	5.90	5.90	5.90		
10	QPSK	1	2449	5.75	5.75	5.75	5.75		
10	QPSK	1	2473	5.60	5.60	5.60	5.60	21.8	0
10	QPSK	1	2497	5.45	5.45	5.45	5.45		
10	QPSK	1	2521	5.30	5.30	5.30	5.30		
10	QPSK	1	2545	5.15	5.15	5.15	5.15	21.8	0
10	QPSK	1	2569	5.00	5.00	5.00	5.00		
10	QPSK	1	2593	4.85	4.85	4.85	4.85		
10	QPSK	1	2617	4.70	4.70	4.70	4.70	21.8	0
10	QPSK	1	2641	4.55	4.55	4.55	4.55		
10	QPSK	1	2665	4.40	4.40	4.40	4.40		
10	QPSK	1	2689	4.25	4.25	4.25	4.25	21.8	0
10	QPSK	1	2713	4.10	4.10	4.10	4.10		
10	QPSK	1	2737	3.95	3.95	3.95	3.95		
10	QPSK	1	2761	3.80	3.80	3.80	3.80	21.8	0
10	QPSK	1	2785	3.65	3.65	3.65	3.65		
10	QPSK	1	2809	3.50	3.50	3.50	3.50		
10	QPSK	1	2833	3.35	3.35	3.35	3.35	21.8	0
10	QPSK	1	2857	3.20	3.20	3.20	3.20		
10	QPSK	1	2881	3.05	3.05	3.05	3.05		
10	QPSK	1	2905	2.90	2.90	2.90	2.90	21.8	0
10	QPSK	1	2929	2.75	2.75	2.75	2.75		
10	QPSK	1	2953	2.60	2.60	2.60	2.60		
10	QPSK	1	2977	2.45	2.45	2.45	2.45	21.8	0
10	QPSK	1	3001	2.30	2.30	2.30	2.30		
10	QPSK	1	3025	2.15	2.15	2.15	2.15		
10	QPSK	1	3049	2.00	2.00	2.00	2.00	21.8	0
10	QPSK	1	3073	1.85	1.85	1.85	1.85		
10	QPSK	1	3097	1.70	1.70	1.70	1.70		
10	QPSK	1	3121	1.55	1.55	1.55	1.55	21.8	0
10	QPSK	1	3145	1.40	1.40	1.40	1.40		
10	QPSK	1	3169	1.25	1.25	1.25	1.25		
10	QPSK	1	3193	1.10	1.10	1.10	1.10	21.8	0
10	QPSK	1	3217	0.95	0.95	0.95	0.95		
10	QPSK	1	3241	0.80	0.80	0.80	0.80		
10	QPSK	1	3265	0.65	0.65	0.65	0.65	21.8	0
10	QPSK	1	3289	0.50	0.50	0.50	0.50		
10	QPSK	1	3313	0.35	0.35	0.35	0.35		
10	QPSK	1	3337	0.20	0.20	0.20	0.20	21.8	0
10	QPSK	1	3361	0.05	0.05	0.05	0.05		
10	QPSK	1	3385	-0.10	-0.10	-0.10	-0.10		
10	QPSK	1	3409	-0.25	-0.25	-0.25	-0.25	21.8	0
10	QPSK	1	3433	-0.40	-0.40	-0.40	-0.40		
10	QPSK	1	3457	-0.55	-0.55	-0.55	-0.55		
10	QPSK	1	3481	-0.70	-0.70	-0.70	-0.70	21.8	0
10	QPSK	1	3505	-0.85	-0.85	-0.85	-0.85		
10	QPSK	1	3529	-1.00	-1.00	-1.00	-1.00		
10	QPSK	1	3553	-1.15	-1.15	-1.15	-1.15	21.8	0
10	QPSK	1							

Band 17_Ant 1									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power [W]	Power [W]	Power [W]	Power [W]	Turn-on time [days]	MPR [dB]
Channels				23790	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	20.56	20.53	20.56		21.3	0
10	QPSK	1	24	20.59	20.57	20.58			
10	QPSK	1	48	20.52	20.48	20.45			
10	QPSK	25	0	20.61	20.62	20.56			
10	QPSK	25	25	20.60	20.64	20.59		21.3	0
10	QPSK	25	50	20.58	20.60	20.55			
10	16QAM	1	0	20.54	20.58	20.53			
10	16QAM	1	24	20.62	20.63	20.57		21.3	0
10	16QAM	1	48	20.57	20.56	20.52			
10	16QAM	25	0	20.53	20.50	20.50			
10	16QAM	25	12	20.63	20.59	20.55		21.3	0
10	16QAM	25	25	20.58	20.60	20.53			
10	16QAM	25	50	20.64	20.70	20.57			
10	64QAM	1	0	20.55	20.48	20.47			
10	64QAM	1	24	20.57	20.52	20.51		21.3	0
10	64QAM	1	48	20.53	20.50	20.47			
10	64QAM	25	0	20.54	20.60	20.55			
10	64QAM	25	12	20.58	20.61	20.57			
10	64QAM	25	25	20.56	20.71	20.55		21.3	0
10	64QAM	25	50	20.52	20.70	20.55			
10	256QAM	1	0	17.86	17.84	17.79			
10	256QAM	1	24	17.82	17.84	17.81		18.8	2.5
10	256QAM	1	48	17.86	17.90	17.81			
10	256QAM	25	0	17.82	17.86	17.82			
10	256QAM	25	12	17.83	17.90	17.87			
10	256QAM	25	25	17.87	18.00	17.78		18.8	2.5
10	256QAM	25	50	17.86	17.79	17.80			
Channels				23795	23790	23820			
Frequency (MHz)				709.5	710	713.5			
10	QPSK	1	0	20.57	20.59	20.58		21.3	0
10	QPSK	1	24	20.54	20.56	20.55			
10	QPSK	1	48	20.39	20.47	20.56		21.3	0
10	QPSK	25	0	20.57	20.58	20.55			
10	QPSK	25	12	20.52	20.53	20.43			
10	QPSK	25	25	20.43	20.50	20.52			
10	QPSK	25	50	20.51	20.52	20.43			
10	16QAM	1	0	20.51	20.53	20.53			
10	16QAM	1	12	20.49	20.54	20.48			
10	16QAM	1	24	20.52	20.53	20.53		21.3	0
10	16QAM	25	0	20.45	20.49	20.50			
10	16QAM	25	12	20.38	20.55	20.48			
10	16QAM	25	25	20.47	20.52	20.47		21.3	0
10	16QAM	25	50	20.49	20.47	20.45			
10	64QAM	1	0	20.52	20.45	20.40			
10	64QAM	1	24	20.51	20.47	20.42		21.3	0
10	64QAM	1	48	20.51	20.46	20.49			
10	64QAM	25	0	20.46	20.50	20.59			
10	64QAM	25	12	20.51	20.57	20.51			
10	64QAM	25	25	20.44	20.60	20.44		21.3	0
10	64QAM	25	50	20.50	20.48	20.52			
10	256QAM	1	0	17.81	17.80	17.79			
10	256QAM	1	24	17.77	17.84	17.82		18.8	2.5
10	256QAM	1	48	17.79	17.83	17.85			
10	256QAM	25	0	17.82	17.87	17.86			
10	256QAM	25	12	17.83	17.90	17.88			
10	256QAM	25	25	17.87	18.00	17.78		18.8	2.5
10	256QAM	25	50	17.86	17.79	17.80			

Band 17_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lk Ch / Freq	Power Made Ch / Freq	Power High Ch / Freq	Turnup time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
23560 23590 23600										
726.8 730 733.5										
10	QPSK	1	0	19.71	19.86	19.75				
10	QPSK	1	25	19.87	19.81	19.70	20.4	0		
10	QPSK	1	40	19.85	19.78	19.72				
10	QPSK	25	0	19.85	19.84	19.58				
10	QPSK	25	12	19.85	19.79	19.85	20.4	0		
10	QPSK	25	25	19.81	19.77	19.82				
10	QPSK	50	0	19.59	19.76	19.83				
10	QPSK	50	1	19.69	19.76	19.83	20.4	0		
10	QPSK	1	25	19.67	19.76	19.84				
10	QPSK	1	40	19.65	19.72	19.87				
10	QPSK	25	12	19.65	19.81	19.81	20.4	0		
10	QPSK	25	25	19.69	19.85	19.85				
10	QPSK	50	0	19.61	19.76	19.73				
10	QPSK	50	1	19.65	19.81	19.71	20.4	0		
10	QPSK	1	25	19.59	19.72	19.87				
10	QPSK	1	40	19.69	19.72	19.71				
10	QPSK	25	0	19.69	19.84	19.70				
10	QPSK	25	12	19.70	19.72	19.59	20.4	0		
10	QPSK	25	25	19.62	19.75	19.88				
10	QPSK	50	0	19.59	19.81	19.71				
10	QPSK	50	1	17.74	17.81	17.87				
10	25QAM	1	25	17.58	17.77	17.86	18.4	2		
10	25QAM	1	40	17.62	17.67	17.66				
10	25QAM	25	0	17.70	17.78	17.85				
10	25QAM	25	12	17.72	17.80	17.72	18.4	2		
10	25QAM	25	25	17.58	17.68	17.87				
10	25QAM	50	0	17.75	17.80	17.73				
Channel										
Frequency (MHz)										
726.8 730 733.5										
5	QPSK	1	0	19.59	19.84	19.83				
5	QPSK	1	12	19.59	19.79	19.85	20.4	0		
5	QPSK	1	24	19.43	19.70	19.86				
5	QPSK	12	0	19.64	19.76	19.59				
5	QPSK	12	7	19.51	19.66	19.85	20.4	0		
5	QPSK	12	13	19.50	19.64	19.85				
5	QPSK	25	0	19.43	19.73	19.82				
5	QPSK	1	0	19.63	19.71	19.67				
5	QPSK	1	12	19.62	19.82	19.54	20.4	0		
5	QPSK	1	24	19.51	19.64	19.54				
5	QPSK	12	0	19.65	19.80	19.49				
5	QPSK	12	7	19.50	19.64	19.58	20.4	0		
5	QPSK	12	13	19.51	19.77	19.83				
5	QPSK	25	0	19.55	19.69	19.59				
5	QPSK	1	24	19.61	19.82	19.62				
5	QPSK	1	12	19.52	19.81	19.83	20.4	0		
5	QPSK	1	24	19.61	19.79	19.68				
5	QPSK	12	7	19.51	19.68	19.56	20.4	0		
5	QPSK	12	13	19.51	19.72	17.55				
5	QPSK	25	0	19.52	19.82	19.81				
5	25QAM	1	12	17.50	17.63	17.52	18.4	2		
5	25QAM	1	24	17.61	17.65	17.46				
5	25QAM	12	0	17.65	17.64	17.45				
5	25QAM	12	7	17.60	17.72	17.66	18.4	2		
5	25QAM	12	13	17.48	17.61	17.55				
5	25QAM	25	0	17.72	17.77	17.72				

Band 18_Ant 1										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Lk Ch / Freq	Power Made Ch / Freq	Power/High Ch / Freq	Turnup Init (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
726.5 736.5 737.5										
15	QPSK	1	0	24.04	24.19	24.14				
15	QPSK	1	37	24.02	24.06	24.06	24.5	0		
15	QPSK	1	74	24.03	24.03	24.01				
15	QPSK	36	0	24.07	24.05	24.15				
15	QPSK	36	20	24.03	24.10	24.10	24.5	0		
15	QPSK	36	39	24.02	24.12	24.12				
15	QPSK	75	0	24.08	24.08	24.08				
15	QPSK	1	0	24.05	24.05	24.05	24.5	0		
15	QPSK	1	37	24.11	24.11	24.11				
15	QPSK	1	74	24.04	24.04	24.04				
15	QPSK	36	0	24.07	24.07	24.07	24	0.5		
15	QPSK	36	20	24.03	24.10	24.10				
15	QPSK	36	39	24.02	24.12	24.12				
15	QPSK	75	0	24.08	24.08	24.08				
15	QPSK	1	0	24.05	24.05	24.05	20	4.5		
15	QPSK	1	37	24.11	24.11	24.11				
15	QPSK	1	74	24.04	24.04	24.04				
15	QPSK	36	0	24.07	24.07	24.07	20	4.5		
15	QPSK	36	20	24.03	24.10	24.10				
15	QPSK	36	39	24.02	24.12	24.12				
15	QPSK	75	0	24.08	24.08	24.08				
Channel										
Frequency (MHz)										
726.5 736.5 736.5										
15	QPSK	1	0	24.04	24.19	24.14	Turnup Init (dBm)	MPR (dB)		
15	QPSK	1	25	24.02	24.05	24.04	24.5	0		
15	QPSK	1	50	24.03	24.03	24.01				
15	QPSK	25	0	24.07	24.05	24.00	24.5	0		
15	QPSK	25	12	24.03	24.07	24.05				
15	QPSK	25	24	24.02	24.03	24.01				
15	QPSK	50	0	23.98	23.99	23.93				
15	QPSK	1	0	23.95	23.92	23.94	24.5	0		
15	QPSK	1	25	23.97	23.92	23.98				
15	QPSK	1	50	23.97	23.97	23.92				
15	QPSK	25	0	23.97	23.96	23.99	24	0.5		
15	QPSK	25	12	23.97	23.92	23.70				
15	QPSK	25	24	23.95	23.78	23.75				
15	QPSK	50	0	23.98	23.80	23.81				
15	QPSK	1	0	23.97	23.92	23.98	24	0.5		
15	QPSK	1	25	23.97	23.92	23.98				
15	QPSK	1	50	23.97	23.97	23.92				
15	QPSK	25	0	23.97	23.96	23.99	23	1.5		
15	QPSK	25	12	23.97	23.92	23.77				
15	QPSK	25	24	23.95	23.80	23.81				
15	QPSK	50	0	19.77	19.89	19.88				
15	QPSK	1	0	19.76	19.71	19.77	20	4.5		
15	QPSK	1	25	19.75	19.81	19.81				
15	QPSK	25	0	19.55	19.52	19.51				
15	QPSK	25	12	19.55	19.52	19.51	20	4.5		
15	QPSK	25	24	19.50	19.52	19.52				
15	QPSK	50	0	19.54	19.72	19.58				
Channel										
Frequency (MHz)										
726.5 736.5 736.5										
5	QPSK	1	0	24.15	24.05	24.17	Turnup Init (dBm)	MPR (dB)		
5	QPSK	1	12	23.91	23.93	23.93	24.5	0		
5	QPSK	1	24	24.02	24.03	24.01				
5	QPSK	12	0	24.05	24.02	24.05				
5	QPSK	12	7	24.01	24.05	24.06	24.5	0		
5	QPSK	12	13	24.02	24.07	24.04				
5	QPSK	25	0	23.94	23.97	23.95				
5	QPSK	1	0	24.02	24.07	23.96	24.5	0		
5	QPSK	1	12	24.05	24.03	24.04				
5	QPSK	1	24	23.99	23.96	23.97				
5	QPSK	12	0	23.92	23.87	23.81				
5	QPSK	12	7	23.97	23.79	23.87	24	0.5		
5	QPSK	12	13	23.79	23.72	23.77				
5	QPSK	25	0	23.73	23.71	23.78				
5	QPSK	1	0	23.92	23.90	23.98				
5	QPSK	1	12	23.41	23.29	23.36	24	0.5		
5	QPSK	1	24	23.36	23.31	23.28				
5	QPSK	12	0	22.62	22.84	22.70				
5	QPSK	12	7	22.67	22.74	22.72	23	1.5		
5	QPSK	12	13	22.72	22.84	22.76				
5	QPSK	25	0	22.65	22.86	22.80				
5	QPSK	1	0	19.89	19	19.89				
5	QPSK	1	0	19.77	19.71	19.74				
5	QPSK	1	14	19.72	19.76	19.70				
5	QPSK	1	28	19.69	19.74	19.68	24	4.5		
5	QPSK	1	42	19.66	19.71	19.65				
5	QPSK	1	56	19.65	19.68	19.61				
5	QPSK	1	70	19.61	19.68	19.61	20	4.5		
5	QPSK	1	84	19.58	19.68	19.58				
Channel										
Frequency (MHz)										
726.5 736.5 736.5										
1.4	QPSK	1	0	24.13	24.05	24.13	Turnup Init (dBm)	MPR (dB)		
1.4	QPSK	1	24	24.04	24.04	24.04	24.5	0		
1.4	QPSK	1	6	24.04	24.01	24.01				
1.4	QPSK	1	18	24.05	24.00	24.00				
1.4	QPSK	1	30	24.06	24.00	24.00	24.5	0		
1.4	QPSK	1	42	24.06	24.01	24.11				
1.4	QPSK	1	54	24.02	24.02	24.02				
1.4	QPSK	1	66	24.02	24.01	24.02				
1.4	QPSK	1	78	24.05	23.98	24.02	24.5	0		
1.4	QPSK	1	90	24.02	23.99	24.02				
1.4	QPSK	1	102	23.99	23.99	23.99				
1.4	QPSK	1	114	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	126	23.99	23.99	23.99				
1.4	QPSK	1	138	23.99	23.99	23.99				
1.4	QPSK	1	150	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	162	23.99	23.99	23.99				
1.4	QPSK	1	174	23.99	23.99	23.99				
1.4	QPSK	1	186	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	198	23.99	23.99	23.99				
1.4	QPSK	1	210	23.99	23.99	23.99				
1.4	QPSK	1	222	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	234	23.99	23.99	23.99				
1.4	QPSK	1	246	23.99	23.99	23.99				
1.4	QPSK	1	258	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	270	23.99	23.99	23.99				
1.4	QPSK	1	282	23.99	23.99	23.99				
1.4	QPSK	1	294	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	306	23.99	23.99	23.99				
1.4	QPSK	1	318	23.99	23.99	23.99				
1.4	QPSK	1	330	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	342	23.99	23.99	23.99				
1.4	QPSK	1	354	23.99	23.99	23.99				
1.4	QPSK	1	366	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	378	23.99	23.99	23.99				
1.4	QPSK	1	390	23.99	23.99	23.99				
1.4	QPSK	1	402	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	414	23.99	23.99	23.99				
1.4	QPSK	1	426	23.99	23.99	23.99				
1.4	QPSK	1	438	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	450	23.99	23.99	23.99				
1.4	QPSK	1	462	23.99	23.99	23.99				
1.4	QPSK	1	474	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	486	23.99	23.99	23.99				
1.4	QPSK	1	498	23.99	23.99	23.99				
1.4	QPSK	1	510	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	522	23.99	23.99	23.99				
1.4	QPSK	1	534	23.99	23.99	23.99				
1.4	QPSK	1	546	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	558	23.99	23.99	23.99				
1.4	QPSK	1	570	23.99	23.99	23.99				
1.4	QPSK	1	582	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	594	23.99	23.99	23.99				
1.4	QPSK	1	606	23.99	23.99	23.99				
1.4	QPSK	1	618	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	630	23.99	23.99	23.99				
1.4	QPSK	1	642	23.99	23.99	23.99				
1.4	QPSK	1	654	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	666	23.99	23.99	23.99				
1.4	QPSK	1	678	23.99	23.99	23.99				
1.4	QPSK	1	690	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	702	23.99	23.99	23.99				
1.4	QPSK	1	714	23.99	23.99	23.99				
1.4	QPSK	1	726	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	738	23.99	23.99	23.99				
1.4	QPSK	1	750	23.99	23.99	23.99				
1.4	QPSK	1	762	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	774	23.99	23.99	23.99				
1.4	QPSK	1	786	23.99	23.99	23.99				
1.4	QPSK	1	798	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	810	23.99	23.99	23.99				
1.4	QPSK	1	822	23.99	23.99	23.99				
1.4	QPSK	1	834	23.99	23.99	23.99	24	0.5		
1.4	QPSK	1	846	23.99	23.99	23.99				

Band 19_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (dB)	MFR (dB)	Ch. Delta +0.5
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.54	18.54	18.54	18.8	0	0.12
15	QPSK	1	37	18.58	18.58	18.58			
15	QPSK	1	74	18.62	18.62	18.62			
15	QPSK	36	20	18.64	18.64	18.64	18.8	0	0.12
15	QPSK	36	39	18.68	18.68	18.68			
15	QPSK	75	0	18.70	18.70	18.70			
15	QPSK	1	0	18.73	18.73	18.73	18.8	0	0.08
15	QPSK	1	37	18.77	18.77	18.77			
15	QPSK	1	74	18.81	18.81	18.81			
15	QPSK	36	20	18.84	18.84	18.84	18.8	0	0.07
15	QPSK	36	39	18.88	18.88	18.88			
15	QPSK	75	0	18.90	18.90	18.90			
15	QPSK	1	0	18.93	18.93	18.93	18.8	0	0.11
15	QPSK	1	37	18.97	18.97	18.97			
15	QPSK	1	74	19.01	19.01	19.01			
15	QPSK	36	20	19.04	19.04	19.04	18.8	0	0.05
15	QPSK	36	39	19.08	19.08	19.08			
15	QPSK	75	0	19.10	19.10	19.10			
15	QPSK	1	0	19.13	19.13	19.13	18.8	0	0.12
15	QPSK	1	37	19.17	19.17	19.17			
15	QPSK	1	74	19.21	19.21	19.21			
15	QPSK	36	20	19.24	19.24	19.24	18.8	0	0.13
15	QPSK	36	39	19.28	19.28	19.28			
15	QPSK	75	0	19.30	19.30	19.30			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.34	19.34	19.34	18.8	0	0.12
15	QPSK	1	37	19.38	19.38	19.38			
15	QPSK	1	74	19.42	19.42	19.42			
15	QPSK	36	20	19.45	19.45	19.45	18.8	0	0.21
15	QPSK	36	39	19.49	19.49	19.49			
15	QPSK	75	0	19.51	19.51	19.51			
15	QPSK	1	0	19.54	19.54	19.54	18.8	0	0.23
15	QPSK	1	37	19.58	19.58	19.58			
15	QPSK	1	74	19.62	19.62	19.62			
15	QPSK	36	20	19.65	19.65	19.65	18.8	0	0.19
15	QPSK	36	39	19.69	19.69	19.69			
15	QPSK	75	0	19.71	19.71	19.71			
15	QPSK	1	0	19.74	19.74	19.74	18.8	0	0.17
15	QPSK	1	37	19.78	19.78	19.78			
15	QPSK	1	74	19.82	19.82	19.82			
15	QPSK	36	20	19.85	19.85	19.85	18.8	0	0.23
15	QPSK	36	39	19.89	19.89	19.89			
15	QPSK	75	0	19.91	19.91	19.91			
15	QPSK	1	0	19.94	19.94	19.94	18.8	0	0.18
15	QPSK	1	37	19.98	19.98	19.98			
15	QPSK	1	74	20.02	20.02	20.02			
15	QPSK	36	20	20.05	20.05	20.05	18.8	0	0.21
15	QPSK	36	39	20.09	20.09	20.09			
15	QPSK	75	0	20.11	20.11	20.11			
15	QPSK	1	0	20.14	20.14	20.14	18.8	0	0.24
15	QPSK	1	37	20.18	20.18	20.18			
15	QPSK	1	74	20.22	20.22	20.22			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.47	18.47	18.47	18.8	0	Ch. Delta +0.5
5	QPSK	1	37	18.49	18.49	18.49			
5	QPSK	1	74	18.53	18.53	18.53			
5	QPSK	36	20	18.54	18.54	18.54	18.8	0	0.16
5	QPSK	36	39	18.58	18.58	18.58			
5	QPSK	75	0	18.60	18.60	18.60			
5	QPSK	1	0	18.63	18.63	18.63	18.8	0	0.19
5	QPSK	1	37	18.67	18.67	18.67			
5	QPSK	1	74	18.71	18.71	18.71			
5	QPSK	36	20	18.74	18.74	18.74	18.8	0	0.17
5	QPSK	36	39	18.78	18.78	18.78			
5	QPSK	75	0	18.80	18.80	18.80			
5	QPSK	1	0	18.83	18.83	18.83	18.8	0	0.23
5	QPSK	1	37	18.87	18.87	18.87			
5	QPSK	1	74	18.91	18.91	18.91			
5	QPSK	36	20	18.94	18.94	18.94	18.8	0	0.18
5	QPSK	36	39	18.98	18.98	18.98			
5	QPSK	75	0	19.00	19.00	19.00			
5	QPSK	1	0	19.03	19.03	19.03	18.8	0	0.25
5	QPSK	1	37	19.07	19.07	19.07			
5	QPSK	1	74	19.11	19.11	19.11			
5	QPSK	36	20	19.14	19.14	19.14	18.8	0	0.15
5	QPSK	36	39	19.18	19.18	19.18			
5	QPSK	75	0	19.20	19.20	19.20			
5	QPSK	1	0	19.23	19.23	19.23	18.8	0	0.25
5	QPSK	1	37	19.27	19.27	19.27			
5	QPSK	1	74	19.31	19.31	19.31			
5	QPSK	36	20	19.34	19.34	19.34	18.8	0	0.25
5	QPSK	36	39	19.38	19.38	19.38			
5	QPSK	75	0	19.40	19.40	19.40			
5	QPSK	1	0	19.43	19.43	19.43	18.8	0	0.18
5	QPSK	1	37	19.47	19.47	19.47			
5	QPSK	1	74	19.51	19.51	19.51			
5	QPSK	36	20	19.54	19.54	19.54	18.8	0	0.23
5	QPSK	36	39	19.58	19.58	19.58			
5	QPSK	75	0	19.60	19.60	19.60			
5	QPSK	1	0	19.63	19.63	19.63	18.8	0	0.16
5	QPSK	1	37	19.67	19.67	19.67			
5	QPSK	1	74	19.71	19.71	19.71			
5	QPSK	36	20	19.74	19.74	19.74	18.8	0	0.23
5	QPSK	36	39	19.78	19.78	19.78			
5	QPSK	75	0	19.80	19.80	19.80			
5	QPSK	1	0	19.83	19.83	19.83	18.8	0	0.13
5	QPSK	1	37	19.87	19.87	19.87			
5	QPSK	1	74	19.91	19.91	19.91			
5	QPSK	36	20	19.94	19.94	19.94	18.8	0	0.16
5	QPSK	36	39	19.98	19.98	19.98			
5	QPSK	75	0	20.00	20.00	20.00			
5	QPSK	1	0	20.03	20.03	20.03	18.8	0	0.23
5	QPSK	1	37	20.07	20.07	20.07			
5	QPSK	1	74	20.11	20.11	20.11			
5	QPSK	36	20	20.14	20.14	20.14	18.8	0	0.13
5	QPSK	36	39	20.18	20.18	20.18			
5	QPSK	75	0	20.20	20.20	20.20			
5	QPSK	1	0	20.23	20.23	20.23	18.8	0	0.16
5	QPSK	1	37	20.27	20.27	20.27			
5	QPSK	1	74	20.31	20.31	20.31			
5	QPSK	36	20	20.34	20.34	20.34	18.8	0	0.23
5	QPSK	36	39	20.38	20.38	20.38			
5	QPSK	75	0	20.40	20.40	20.40			
5	QPSK	1	0	20.43	20.43	20.43	18.8	0	0.13
5	QPSK	1	37	20.47	20.47	20.47			
5	QPSK	1	74	20.51	20.51	20.51			
5	QPSK	36	20	20.54	20.54	20.54	18.8	0	0.16
5	QPSK	36	39	20.58	20.58	20.58			
5	QPSK	75	0	20.60	20.60	20.60			
5	QPSK	1	0	20.63	20.63	20.63	18.8	0	0.23
5	QPSK	1	37	20.67	20.67	20.67			
5	QPSK	1	74	20.71	20.71	20.71			
5	QPSK	36	20	20.74	20.74	20.74	18.8	0	0.13
5	QPSK	36	39	20.78	20.78	20.78			
5	QPSK	75	0	20.80	20.80	20.80			
5	QPSK	1	0	20.83	20.83	20.83	18.8	0	0.16
5	QPSK	1	37	20.87	20.87	20.87			
5	QPSK	1	74	20.91	20.91	20.91			
5	QPSK	36	20	20.94	20.94	20.94	18.8	0	0.23
5	QPSK	36	39	20.98	20.98	20.98			
5	QPSK	75	0	21.00	21.00	21.00			
5	QPSK	1	0	21.03	21.03	21.03	18.8	0	0.13
5	QPSK	1	37	21.07	21.07	21.07			
5	QPSK	1	74	21.11	21.11	21.11			
5	QPSK	36	20	21.14	21.14	21.14	18.8	0	0.16
5	QPSK	36	39	21.18	21.18	21.18			
5	QPSK	75	0	21.20	21.20	21.20			
5	QPSK	1	0	21.23	21.23	21.23	18.8	0	0.23
5	QPSK	1	37	21.27	21.27	21.27			
5	QPSK	1	74	21.31	21.31	21.31			
5	QPSK	36	20	21.34	21.34	21.34	18.8	0	0.13
5	QPSK	36	39	21.38	21.38	21.38			
5	QPSK	75	0	21.40	21.40	21.40			
5	QPSK	1	0	21.43	21.43	21.43	18.8	0	0.16
5	QPSK	1	37	21.47	21.47	21.47			
5	QPSK	1	74	21.51	21.51	21.51			
5	QPSK	36	20	21.54	21.54	21.54	18.8	0	0.23
5	QPSK	36	39	21.58	21.58	21.58			
5	QPSK	75	0	21.60	21.60	21.60			
5	QPSK	1	0	21.63	21.63	21.63	18.8	0	0.13
5	QPSK	1	37	21.67	21.67	21.67			
5	QPSK	1	74	21.71	21.71	21.71			
5	QPSK	36	20	21.74	21.74	21.74	18.8	0	0.16
5	QPSK	36	39	21.78	21.78	21.78			
5	QPSK	75	0	21.80	21.80	21.80			
5	QPSK	1	0	21.83	21.83	21.83	18.8	0	0.23
5	QPSK	1	37	21.87	21.87	21.87			
5	QPSK	1	74	21.91	21.91	21.91			
5	QPSK	36	20	21.94	21.94	21.94	18.8	0	0.13
5	QPSK	36	39	21.98	21.98	21.98			
5	QPSK	75	0	22.00	22.00	22.00			
5	QPSK	1	0	22.03	22.03	22.03	18.8	0	0.16
5	QPSK	1	37	22.07	22.07	22.07			
5	QPSK	1	74	22					

Band 66_Ant 5									
RF (MHz)	Modulation	RB Spacing	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	13.202	13.252	13.272			
20	QPSK	1	40	13.172	13.142	13.112			
20	QPSK	1	80	13.07	13.10	13.10	20	1	0
20	QPSK	50	0	13.09	13.18	13.12			
20	QPSK	50	24	13.07	13.10	13.13			
20	QPSK	50	48	13.07	13.08	13.11			
20	QPSK	100	0	13.05	13.08	13.10			
20	16QAM	1	0	13.11	13.06	13.19			
20	16QAM	1	99	13.15	13.07	13.13			
20	16QAM	50	0	13.17	13.08	13.12			
20	16QAM	50	24	13.13	13.15	13.17			
20	16QAM	50	50	13.16	13.15	13.08			
20	16QAM	100	0	13.14	13.11	13.11			
20	16QAM	100	0	13.13	13.19	13.17			
20	16QAM	1	49	13.13	13.10	13.13			
20	16QAM	1	99	13.08	13.16	13.19			
20	16QAM	50	0	13.13	13.16	13.08			
20	16QAM	50	24	13.14	13.16	13.09			
20	16QAM	50	50	13.09	13.16	13.12			
20	16QAM	100	0	13.16	13.10	13.11			
20	256QAM	1	0	13.01	13.10	13.07			
20	256QAM	1	99	13.02	13.15	13.08			
20	256QAM	50	0	13.02	13.07	13.06			
20	256QAM	50	24	13.08	13.08	13.15			
20	256QAM	50	50	13.03	13.08	13.17			
20	256QAM	100	0	13.02	13.09	13.09			
Channel									
Frequency (MHz)									
15	QPSK	1	0	13.174	13.242	13.274			
15	QPSK	1	37	13.07	13.12	13.10			
15	QPSK	1	74	13.00	13.13	13.10			
15	QPSK	36	0	13.06	13.12	13.09			
15	QPSK	36	20	13.05	13.03	13.03			
15	QPSK	36	40	13.05	13.04	13.06			
15	QPSK	75	0	13.03	13.12	13.03			
15	16QAM	1	0	13.10	13.03	13.10			
15	16QAM	36	0	13.08	13.18	13.05			
15	16QAM	36	20	13.03	13.09	13.11			
15	16QAM	36	50	13.04	13.06	13.08			
15	16QAM	75	0	13.00	13.02	13.03			
15	16QAM	75	0	13.06	13.08	13.03			
15	16QAM	1	37	13.01	13.13	13.06			
15	16QAM	1	74	13.04	13.02	13.09			
15	16QAM	36	0	13.08	13.11	13.02			
15	16QAM	36	20	13.03	13.06	13.06			
15	16QAM	36	50	13.04	13.06	13.08			
15	16QAM	75	0	13.09	13.16	13.03			
15	256QAM	1	0	13.03	13.01	13.01			
15	256QAM	1	37	13.00	13.00	13.02			
15	256QAM	1	74	13.00	13.11	13.05			
15	256QAM	36	0	13.00	13.07	13.07			
15	256QAM	36	20	13.00	13.07	13.05			
15	256QAM	36	50	13.00	13.07	13.05			
15	256QAM	36	0	13.00	13.07	13.05			
15	256QAM	36	20	13.00	13.07	13.05			
15	256QAM	36	50	13.00	13.07	13.05			
15	256QAM	75	0	13.00	13.08	13.08			
Channel									
Frequency (MHz)									
10	QPSK	1	0	13.176	13.242	13.272			
10	QPSK	1	25	13.00	13.09	13.09			
10	QPSK	1	50	13.00	13.11	13.10			
10	QPSK	25	0	13.08	13.15	13.10			
10	QPSK	25	12	13.04	13.08	13.08			
10	QPSK	25	25	13.07	13.03	13.10			
10	QPSK	50	0	13.05	13.04	13.01			
10	16QAM	1	0	13.01	13.04	13.05			
10	16QAM	1	25	13.11	13.06	13.07			
10	16QAM	25	0	13.08	13.08	13.09			
10	16QAM	25	12	13.00	13.02	13.10			
10	16QAM	25	25	13.10	13.10	13.05			
10	16QAM	50	0	13.00	13.06	13.03			
10	16QAM	50	0	13.07	13.15	13.02			
10	16QAM	1	25	13.08	13.10	13.05			
10	16QAM	1	49	13.03	13.15	13.01			
10	16QAM	25	0	13.11	13.15	13.00			
10	16QAM	25	12	13.09	13.09	13.05			
10	16QAM	25	25	13.08	13.15	13.09			
10	16QAM	50	0	13.07	13.08	13.07			
10	16QAM	50	0	13.06	13.09	13.02			
10	256QAM	1	0	13.06	13.01	13.02			
10	256QAM	1	25	13.07	13.06	13.06			
10	256QAM	25	0	13.03	13.02	13.02			
10	256QAM	25	12	13.00	13.03	13.07			
10	256QAM	25	25	13.08	13.07	13.05			
10	256QAM	50	0	13.07	13.08	13.07			
10	256QAM	50	0	13.06	13.09	13.02			
10	256QAM	12	0	13.08	13.02	13.05			
10	256QAM	12	13	13.03	13.03	13.08			
10	256QAM	25	0	13.06	13.07	13.07			
10	256QAM	25	12	13.03	13.03	13.08			
10	256QAM	25	25	13.08	13.07	13.05			
10	256QAM	50	0	13.07	13.08	13.07			
10	256QAM	50	0	13.06	13.09	13.02			
10	256QAM	12	0	13.08	13.02	13.05			
10	256QAM	12	13	13.03	13.03	13.08			
10	256QAM	25	0	13.06	13.07	13.07			
10	256QAM	25	12	13.03	13.03	13.08			
10	256QAM	25	25	13.08	13.07	13.05			
10	256QAM	50	0	13.07	13.08	13.07			
10	256QAM	50	0	13.06	13.09	13.02			
Channel									
Frequency (MHz)									
3	QPSK	1	0	13.196	13.252	13.272			
3	QPSK	1	8	13.06	13.07	13.07			
3	QPSK	1	14	13.02	13.13	13.05			
3	QPSK	8	0	13.05	13.14	13.04			
3	QPSK	8	7	13.08	13.04	13.05			
3	QPSK	16	0	13.07	13.06	13.07			
3	16QAM	1	0	13.07	13.05	13.15			
3	16QAM	8	0	13.09	13.15	13.16			
3	16QAM	8	7	13.02	13.02	13.10			
3	16QAM	16	0	13.10	13.04	13.03			
3	16QAM	8	0	13.11	13.02	13.12			
3	16QAM	8	7	13.04	13.05	13.04			
3	16QAM	16	0	13.11	13.11	13.07			
3	16QAM	8	7	13.05	13.19	13.10			
3	256QAM	1	0	13.02	13.02	13.07			
3	256QAM	8	0	13.06	13.03	13.16			
3	256QAM	8	7	13.07	13.04	13.03			
3	256QAM	16	0	13.03	13.02	13.07			
3	256QAM	8	0	13.02	13.09	13.16			
3	256QAM	8	7	13.00	13.08	13.11			
3	256QAM	16	0	13.00	13.02	13.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	13.174	13.242	13.274			
1.4	QPSK	1	8	13.01	13.03	13.07			
1.4	QPSK	1	8	13.07	13.13	13.08			
1.4	QPSK	1	8	13.07	13.13	13.08			
1.4	QPSK	3	0	13.05	13.09	13.08			
1.4	QPSK	3	8	13.05	13.09	13.08			
1.4	QPSK	3	8	13.05	13.09	13.08			
1.4	QPSK	3	8	13.05	13.09	13.08			
1.4	16QAM	1	0	13.07	13.02	13.10			
1.4	16QAM	3	0	13.08	13.05	13.11			
1.4	16QAM	3	8	13.08	13.04	13.08			
1.4	16QAM	3	8	13.05	13.07	13.09			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM	3	8	13.05	13.07	13.08			
1.4	16QAM								

Band 66_Ant 7										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Meds Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPE (dB)		
Channel				132072	132222	132272	1773.5	MPE (dB)		
Frequency (MHz)				1720	1745	1775				
20	QPSK	1	0	19.80	19.75	19.77	20.3	0		
20	QPSK	1	49	19.87	19.89	19.85				
20	QPSK	1	99	19.57	19.61	19.51				
20	QPSK	50	0	19.80	19.75	19.80	20.3	0		
20	QPSK	50	24	19.65	19.68	19.53				
20	QPSK	50	50	19.68	19.70	19.57				
20	16QAM	1	0	19.64	19.69	19.58	20.3	0		
20	16QAM	1	49	19.57	19.62	19.57				
20	16QAM	1	99	19.59	19.67	19.64				
20	16QAM	50	0	19.55	19.68	19.65	20.3	0		
20	16QAM	50	24	19.58	19.60	19.50				
20	16QAM	50	50	19.49	19.61	19.47				
20	16QAM	100	0	19.59	19.69	19.62	20.3	0		
20	16QAM	1	0	19.58	19.71	19.59				
20	64QAM	1	49	19.87	19.68	19.55				
20	64QAM	1	99	19.64	19.87	19.68	20.1	0.2		
20	64QAM	50	0	19.35	19.42	19.35				
20	64QAM	50	24	19.28	19.39	19.28				
20	64QAM	50	50	19.22	19.43	19.19	17.1	3.2		
20	64QAM	100	0	19.37	19.42	19.29				
20	256QAM	1	0	16.32	16.45	16.41				
20	256QAM	1	49	16.44	16.48	16.38	17.1	3.2		
20	256QAM	1	99	16.38	16.47	16.38				
20	256QAM	50	0	16.44	16.45	16.39				
20	256QAM	50	24	16.39	16.43	16.44				
20	256QAM	50	50	16.39	16.43	16.38	17.1	3.2		
20	256QAM	100	0	16.33	16.42	16.34				
20	256QAM	1	0	16.32	16.45	16.41				
Channel				132047	132222	132272	Tune-up Int. (dB)		MPE (dB)	
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	19.62	19.64	19.62	20.3	0		
15	QPSK	1	37	19.59	19.54	19.59				
15	QPSK	1	74	19.53	19.49	19.43				
15	QPSK	36	0	19.60	19.64	19.68	20.3	0		
15	QPSK	36	20	19.60	19.58	19.50				
15	QPSK	36	36	19.57	19.60	19.44				
15	QPSK	75	0	19.52	19.67	19.61	20.3	0		
15	16QAM	1	0	19.55	19.63	19.60				
15	16QAM	1	37	19.46	19.53	19.42				
15	16QAM	1	74	19.44	19.65	19.58	20.3	0		
15	16QAM	36	0	19.50	19.65	19.55				
15	16QAM	36	20	19.51	19.57	19.42				
15	16QAM	36	36	19.38	19.48	19.49	20.3	0		
15	16QAM	75	0	19.46	19.64	19.42				
15	64QAM	1	0	19.53	19.57	19.49				
15	64QAM	1	37	19.58	19.58	19.40	20.3	0		
15	64QAM	1	74	19.52	19.52	19.62				
15	64QAM	36	0	19.28	19.33	19.29				
15	64QAM	36	20	19.16	19.34	19.15	20.1	0.2		
15	64QAM	36	36	19.19	19.22	19.14				
15	64QAM	75	0	19.35	19.34	19.18				
15	256QAM	1	0	16.23	16.31	16.28	17.1	3.2		
15	256QAM	1	37	16.36	16.47	16.23				
15	256QAM	1	74	16.21	16.38	16.32				
15	256QAM	36	0	16.40	16.32	16.24	17.1	3.2		
15	256QAM	36	20	16.33	16.39	16.24				
15	256QAM	36	36	16.33	16.42	16.27				
15	256QAM	75	0	16.28	16.29	16.39				
Channel				132047	132222	132272	Tune-up Int. (dB)	MPE (dB)		
Frequency (MHz)				1715	1745	1773.5				
10	QPSK	1	0	19.62	19.64	19.62	20.3	0		
10	QPSK	1	25	19.52	19.60	19.62				
10	QPSK	1	49	19.45	19.58	19.48				
10	QPSK	25	0	19.66	19.62	19.58	20.3	0		
10	QPSK	25	12	19.54	19.58	19.50				
10	QPSK	25	24	19.65	19.68	19.51				
10	QPSK	50	0	19.83	19.69	19.83	20.3	0		
10	16QAM	1	0	19.52	19.61	19.47				
10	16QAM	1	25	19.42	19.52	19.49				
10	16QAM	1	49	19.50	19.55	19.61	20.3	0		
10	16QAM	25	0	19.50	19.56	19.58				
10	16QAM	25	12	19.57	19.58	19.48				
10	16QAM	25	25	19.43	19.60	19.48	20.3	0		
10	16QAM	50	0	19.53	19.51	19.45				
10	16QAM	1	0	19.48	19.69	19.52				
10	64QAM	1	25	19.53	19.62	19.59	20.3	0		
10	64QAM	1	49	19.49	19.59	19.54				
10	64QAM	25	0	19.27	19.33	19.21				
10	64QAM	25	12	19.20	19.28	19.17	20.1	0.2		
10	64QAM	25	25	19.08	19.23	19.13				
10	64QAM	50	0	19.33	19.32	19.25				
10	256QAM	1	0	16.31	16.34	16.28	17.1	3.2		
10	256QAM	1	25	16.30	16.46	16.35				
10	256QAM	1	49	16.28	16.45	16.38				
10	256QAM	25	0	16.43	16.32	16.27	17.1	3.2		
10	256QAM	25	12	16.33	16.36	16.24				
10	256QAM	25	25	16.29	16.31	16.28				
10	256QAM	50	0	16.23	16.37	16.28				
Channel				132167	132222	132272	Tune-up Int. (dB)	MPE (dB)		
Frequency (MHz)				1712.5 <th>1745</th> <th>1775.5</th> <th colspan="2"></th> <th colspan="2"></th>	1745	1775.5				
5	QPSK	1	0	19.62	19.65	19.71	20.3	0		
5	QPSK	1	12	19.59	19.56	19.54				
5	QPSK	1	24	19.43	19.51	19.45				
5	QPSK	12	0	19.66	19.60	19.54	20.3	0		
5	QPSK	12	7	19.50	19.55	19.49				
5	QPSK	12	11	19.53	19.60	19.47				
5	QPSK	25	0	19.56	19.66	19.61	20.3	0		
5	16QAM	1	0	19.63	19.58	19.50				
5	16QAM	1	12	19.45	19.58	19.55				
5	16QAM	1	24	19.55	19.53	19.50	20.3	0		
5	16QAM	12	0	19.48	19.64	19.55				
5	16QAM	12	7	19.44	19.50	19.39				
5	16QAM	12	13	19.45	19.48	19.38	20.3	0		
5	16QAM	25	0	19.48	19.55	19.28				
5	64QAM	1	0	19.45	19.64	19.48				
5	64QAM	1	12	19.65	19.54	19.41	20.3	0		
5	64QAM	1	24	19.53	19.63	19.60				
5	64QAM	12	0	19.28	19.38	19.28				
5	64QAM	12	7	19.13	19.35	19.24	20.1	0.2		
5	64QAM	12	13	19.20	19.32	19.18				
5	64QAM	25	0	19.25	19.32	19.16				
5	256QAM	1	0	16.28	16.33	16.26	17.1	3.2		
5	256QAM	1	12	16.39	16.46	16.31				
5	256QAM	1	24	16.29	16.44	16.21				
5	256QAM	12	0	16.42	16.30	16.22	17.1	3.2		
5	256QAM	12	7	16.32	16.33	16.20				
5	256QAM	12	13	16.30	16.36	16.21				
5	256QAM	25	0	16.23	16.37	16.27				
Channel				132167	132222	132272	Tune-up Int. (dB)	MPE (dB)		
Frequency (MHz)				1711.5 <th>1745</th> <th>1778.5</th> <th colspan="2"></th> <th colspan="2"></th>	1745	1778.5				
3	QPSK	1	0	19.62	19.65	19.71	20.3	0		
3	QPSK	1	12	19.59	19.56	19.54				
3	QPSK	1	24	19.43	19.51	19.45				
3	QPSK	1	14	19.48	19.57	19.49	20.3	0		
3	QPSK	3	0	19.58	19.62	19.56				
3	QPSK	3	1	19.58	19.59	19.44				
3	QPSK	8	7	19.63	19.67	19.49	20.3	0		
3	QPSK	8	14	19.54	19.64	19.58				
3	QPSK	8	21	19.45	19.58	19.53				
3	16QAM	1	0	19.63	19.58	19.50	20.3	0		
3	16QAM	1	8	19.54	19.56	19.45				
3	16QAM	1	14	19.47	19.56	19.46				
3	16QAM	8	4	19.52	19.58	19.48	20.3	0		
3	16QAM	8	11	19.38	19.57	19.47				
3	16QAM	16	0	19.52	19.59	19.44				
3	16QAM	1	0	19.57	19.70	19.57	20.3	0		
3	16QAM	8	8	19.53	19.63	19.57				
3	16QAM	16	0	19.52	19.62	19.57				
3	16QAM	1	0	19.29	19.38	19.30	20.1	0.2		
3	16QAM	8	4	19.28	19.37	19.27				
3	16QAM	8	7	19.14	19.32	19.28				
3	16QAM	16	0	19.28	19.37	19.28	17.1	3.2		
3	256QAM	1	0	16.28	16.32	16.26				
3	256QAM	1	8	16.40	16.41	16.31				
3	256QAM	1	14	16.28	16.41	16.34	17.1	3.2		
3	256QAM	8	0	16.32	16.35	16.26				
3	256QAM	8	7	16.30	16.31	16.21				
3	256QAM	8	14	16.38	16.31	16.27				
Channel				132179	132222	132272	Tune-up Int. (dB)	MPE (dB)		
Frequency (MHz)				1710 <th>1745</th> <th>1778.6</th> <th colspan="2"></th> <th colspan="2"></th>	1745	1778.6				
1.4	QPSK	1	0	19.58	19.72	19.67	20.3	0		
1.4	QPSK	1	14	19.62	19.76	19.69				
1.4	QPSK	1	6	19.57	19.68	19.60				
1.4	QPSK	3	0	19.58	19.66	19.64	20.3	0		
1.4	QPSK	3	1	19.57	19.67	19.58				
1.4	QPSK	3	3	19.67	19.69	19.61				
1.4	16QAM	1	0	19.61	19.64	19.46	20.3	0		
1.4	16QAM	1	1	19.54	19.66	19.46				
1.4	16QAM	1	3	19.55	19.48	19.53				
1.4	16QAM	3	0	19.54	19.66					

Band 38_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)				2580	2595	2610				
20	QPSK	1	0	20.38	20.42	20.35	20.9	0		
20	QPSK	1	49	20.36	20.35	20.23				
20	QPSK	1	99	20.25	20.36	20.31				
20	QPSK	50	0	20.30	20.35	20.24				
20	QPSK	50	24	20.23	20.23	20.15	20.9	0		
20	QPSK	50	50	20.26	20.30	20.15				
20	QPSK	100	0	20.28	20.30	20.28				
20	16QAM	1	0	20.17	20.30	20.12				
20	16QAM	1	49	20.17	20.23	20.21	20.9	0		
20	16QAM	1	99	20.17	20.34	20.17				
20	16QAM	50	0	20.19	20.28	20.18				
20	16QAM	50	24	20.28	20.28	20.20				
20	16QAM	50	50	20.19	20.21	20.20	20.9	0		
20	16QAM	100	0	20.19	20.25	20.15				
20	64QAM	1	0	20.26	20.31	20.22				
20	64QAM	1	49	20.17	20.31	20.21	20.9	0		
20	64QAM	1	99	20.25	20.29	20.11				
20	64QAM	50	0	20.16	20.29	20.19				
20	64QAM	50	24	20.29	20.23	20.15				
20	64QAM	50	50	20.18	20.27	20.13	20.9	0		
20	64QAM	100	0	20.23	20.27	20.12				
20	256QAM	1	0	19.41	19.46	19.41				
20	256QAM	1	49	19.36	19.48	19.36	20	0.9		
20	256QAM	1	99	19.42	19.46	19.39				
20	256QAM	50	0	19.64	19.74	19.62				
20	256QAM	50	24	19.50	19.63	19.54				
20	256QAM	50	50	19.65	19.76	19.63	20	0.9		
20	256QAM	100	0	19.72	19.62	19.63				
Channel										
Frequency (MHz)				25775	25950	26175	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.26	20.32	20.29	20.9	0		
15	QPSK	1	37	20.26	20.29	20.17				
15	QPSK	1	74	20.10	20.27	20.28				
15	QPSK	36	0	20.22	20.20	20.20				
15	QPSK	36	20	20.21	20.17	20.11	20.9	0		
15	QPSK	36	39	20.14	20.20	20.13				
15	QPSK	75	0	20.27	20.20	20.27				
15	16QAM	1	0	20.10	20.23	20.04				
15	16QAM	1	37	20.02	20.13	20.04	20.9	0		
15	16QAM	1	74	20.02	20.33	20.03				
15	16QAM	36	0	20.12	20.27	20.12				
15	16QAM	36	20	20.20	20.25	20.15				
15	16QAM	36	39	20.13	20.16	20.13	20.9	0		
15	16QAM	75	0	20.07	20.14	20.03				
15	64QAM	1	0	20.13	20.29	20.20				
15	64QAM	1	37	20.07	20.19	20.15				
15	64QAM	1	74	20.16	20.27	19.99	20.9	0		
15	64QAM	36	0	20.03	20.21	20.17				
15	64QAM	36	20	20.21	20.20	20.09				
15	64QAM	36	39	20.08	20.25	20.07				
15	64QAM	75	0	20.21	20.16	20.10	20	0.9		
15	256QAM	1	0	19.32	19.40	19.29				
15	256QAM	1	37	19.32	19.33	19.35				
15	256QAM	1	74	19.38	19.41	19.26				
15	256QAM	36	0	19.27	19.41	19.61	20	0.9		
15	256QAM	36	20	19.46	19.62	19.52				
15	256QAM	36	39	19.54	19.69	19.59				
15	256QAM	75	0	19.60	19.59	19.49				
Channel										
Frequency (MHz)				25760	26000	26200	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.30	20.32	20.32	20.9	0		
10	QPSK	1	25	20.34	20.29	20.13				
10	QPSK	1	49	20.19	20.32	20.18				
10	QPSK	25	0	20.21	20.22	20.20				
10	QPSK	25	12	20.08	20.21	20.12	20.9	0		
10	QPSK	25	25	20.24	20.19	20.00				
10	QPSK	50	0	20.27	20.24	20.15				
10	16QAM	1	0	20.16	20.18	19.99				
10	16QAM	1	25	20.03	20.10	20.10	20.9	0		
10	16QAM	1	49	20.05	20.25	20.02				
10	16QAM	25	0	20.05	20.21	20.05				
10	16QAM	25	12	20.25	20.14	20.17				
10	16QAM	25	25	20.07	20.18	20.09	20.9	0		
10	16QAM	50	0	20.06	20.22	20.06				
10	64QAM	1	0	20.24	20.27	20.16				
10	64QAM	1	25	20.06	20.29	20.08				
10	64QAM	1	49	20.24	20.28	20.02	20.9	0		
10	64QAM	25	0	20.09	20.18	20.08				
10	64QAM	25	12	20.27	20.10	20.14				
10	64QAM	25	25	20.08	20.18	20.08				
10	64QAM	50	0	20.16	20.14	20.08	20.9	0		
10	256QAM	1	0	19.35	19.37	19.27				
10	256QAM	1	25	19.34	19.33	19.24				
10	256QAM	1	49	19.27	19.44	19.35				
10	256QAM	25	0	19.51	19.63	19.47	20	0.9		
10	256QAM	25	12	19.40	19.58	19.48				
10	256QAM	25	25	19.53	19.72	19.61				
10	256QAM	50	0	19.63	19.61	19.62				
Channel										
Frequency (MHz)				25775	26000	26225	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.23	20.38	20.24	20.9	0		
5	QPSK	1	12	20.34	20.30	20.22				
5	QPSK	1	24	20.12	20.26	20.08				
5	QPSK	12	0	20.24	20.26	20.09				
5	QPSK	12	7	20.22	20.22	20.02	20.9	0		
5	QPSK	12	13	20.17	20.19	20.11				
5	QPSK	25	0	20.27	20.27	20.25				
5	16QAM	1	0	20.02	20.21	20.03				
5	16QAM	1	12	20.06	20.13	20.06	20.9	0		
5	16QAM	1	24	20.08	20.22	20.06				
5	16QAM	12	0	20.18	20.15	20.15				
5	16QAM	12	7	20.21	20.21	20.15				
5	16QAM	12	13	20.09	20.20	20.05	20.9	0		
5	16QAM	25	0	20.10	20.17	20.02				
5	64QAM	1	0	20.16	20.30	20.13				
5	64QAM	1	12	20.16	20.24	20.16				
5	64QAM	1	24	20.14	20.16	20.01	20.9	0		
5	64QAM	12	0	20.11	20.24	20.04				
5	64QAM	12	7	20.19	20.14	20.00				
5	64QAM	12	13	20.11	20.12	20.11				
5	64QAM	25	0	20.10	20.25	20.07	20	0.9		
5	256QAM	1	0	19.35	19.35	19.38				
5	256QAM	1	12	19.24	19.45	19.31				
5	256QAM	1	24	19.40	19.38	19.28				
5	256QAM	12	0	19.51	19.59	19.47	20	0.9		
5	256QAM	12	7	19.48	19.53	19.45				
5	256QAM	12	13	19.63	19.63	19.51				
5	256QAM	25	0	19.66	19.47	19.61				

Band 38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.09	19.77	19.72	20.2	0	
20	QPSK	1	49	19.68	19.65	19.58			
20	QPSK	1	99	19.65	19.63	19.71			
20	QPSK	50	0	-10.61	19.74	19.70	20.2	0	
20	QPSK	50	24	19.58	19.65	19.61			
20	QPSK	50	49	19.58	19.62	19.72			
20	QPSK	100	0	19.58	19.71	19.70	20.2	0	
20	16QAM	1	0	19.58	19.76	19.66			
20	16QAM	1	49	19.57	19.74	19.67			
20	16QAM	1	99	19.66	19.63	19.69	20.2	0	
20	16QAM	50	0	19.58	19.71	19.67			
20	16QAM	50	24	19.63	19.70	19.69			
20	16QAM	100	0	19.67	19.65	19.66	20.2	0	
20	16QAM	100	0	19.68	19.68	19.69			
20	16QAM	1	0	19.58	19.69	19.69			
20	64QAM	1	49	19.66	19.68	19.57	20.2	0	
20	64QAM	1	99	19.65	19.73	19.59			
20	64QAM	50	0	19.61	19.74	19.69			
20	64QAM	50	24	19.60	19.76	19.71	20.2	0	
20	64QAM	50	49	19.62	19.67	19.70			
20	64QAM	100	0	19.60	19.66	19.62			
20	256QAM	1	0	18.86	18.89	18.82	19.3	0.9	
20	256QAM	1	49	18.85	18.88	18.87			
20	256QAM	1	99	18.76	18.89	18.87			
20	256QAM	50	0	19.48	19.03	19.59	19.3	0.9	
20	256QAM	50	24	19.00	19.09	19.88			
20	256QAM	50	50	18.91	19.09	18.88			
20	256QAM	100	0	18.94	19.01	18.95			
Channel									
Frequency (MHz)				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.56	19.68	19.57	20.2	0	
15	QPSK	1	37	19.63	19.63	19.49			
15	QPSK	1	74	19.55	19.54	19.66			
15	QPSK	36	0	19.48	19.59	19.58	20.2	0	
15	QPSK	36	20	19.52	19.64	19.47			
15	QPSK	36	39	19.47	19.62	19.54			
15	QPSK	75	0	19.51	19.69	19.56	20.2	0	
15	16QAM	1	0	19.45	19.73	19.60			
15	16QAM	1	37	19.55	19.65	19.53			
15	16QAM	36	24	19.47	19.68	19.50	20.2	0	
15	16QAM	36	0	19.47	19.70	19.65			
15	16QAM	36	39	19.50	19.59	19.54			
15	16QAM	36	39	19.65	19.52	19.55	20.2	0	
15	16QAM	75	0	19.58	19.67	19.63			
15	64QAM	1	0	19.53	19.58	19.59			
15	64QAM	1	37	19.51	19.62	19.53	20.2	0	
15	64QAM	1	74	19.52	19.60	19.48			
15	64QAM	36	0	19.49	19.65	19.63			
15	64QAM	36	20	19.52	19.68	19.50	20.2	0	
15	64QAM	36	39	19.55	19.54	19.63			
15	64QAM	75	0	19.55	19.57	19.47			
15	256QAM	1	0	18.80	18.81	18.80	19.3	0	
15	256QAM	1	37	18.83	19.75	18.75			
15	256QAM	1	74	18.83	19.75	18.75			
15	256QAM	36	0	18.81	19.00	18.89	19.3	0.9	
15	256QAM	36	20	18.95	19.06	18.85			
15	256QAM	36	39	18.77	18.85	18.77			
15	256QAM	75	0	18.81	18.86	18.87			
Channel									
Frequency (MHz)				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.58	19.75	19.65	20.2	0	
10	QPSK	1	25	19.61	19.50	19.43			
10	QPSK	1	49	19.58	19.59	19.64			
10	QPSK	25	0	19.52	19.73	19.62	20.2	0	
10	QPSK	25	12	19.54	19.63	19.59			
10	QPSK	25	25	19.45	19.62	19.66			
10	QPSK	50	0	19.52	19.62	19.65	20.2	0	
10	16QAM	1	0	19.45	19.71	19.57			
10	16QAM	1	25	19.46	19.68	19.57			
10	16QAM	1	49	19.58	19.60	19.62	20.2	0	
10	16QAM	25	0	19.52	19.65	19.66			
10	16QAM	25	12	19.56	19.60	19.61			
10	16QAM	25	25	19.53	19.58	19.62	20.2	0	
10	16QAM	50	0	19.60	19.56	19.62			
10	16QAM	50	0	19.62	19.55	19.64			
10	64QAM	1	25	19.58	19.58	19.49	20.2	0	
10	64QAM	1	49	19.52	19.72	19.44			
10	64QAM	1	74	19.51	19.67	19.49			
10	64QAM	25	12	19.58	19.66	19.67	20.2	0	
10	64QAM	25	25	19.48	19.59	19.58			
10	64QAM	50	0	19.49	19.60	19.60			
10	256QAM	1	0	18.79	18.84	18.79	19.3	0.9	
10	256QAM	1	25	18.82	19.72	18.78			
10	256QAM	1	49	18.74	18.82	18.68			
10	256QAM	25	0	18.78	18.88	18.87	19.3	0.9	
10	256QAM	25	12	18.80	19.06	18.83			
10	256QAM	25	25	18.80	19.06	18.83			
10	256QAM	50	0	18.84	19.00	18.81			
Channel									
Frequency (MHz)				2572.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.65	19.70	19.61	20.2	0	
5	QPSK	1	12	19.62	19.54	19.47			
5	QPSK	1	24	19.57	19.64	19.58			
5	QPSK	12	7	19.56	19.54	19.48	20.2	0	
5	QPSK	12	13	19.47	19.65	19.53			
5	QPSK	25	0	19.57	19.68	19.65			
5	16QAM	1	0	19.47	19.72	19.53	20.2	0	
5	16QAM	1	12	19.46	19.65	19.65			
5	16QAM	1	24	19.57	19.60	19.60			
5	16QAM	12	0	19.55	19.70	19.56	20.2	0	
5	16QAM	12	7	19.60	19.63	19.64			
5	16QAM	12	13	19.61	19.58	19.62			
5	16QAM	25	0	19.61	19.54	19.68	20.2	0	
5	64QAM	1	0	19.54	19.56	19.57			
5	64QAM	1	12	19.61	19.62	19.53			
5	64QAM	1	24	19.50	19.71	19.63	20.2	0	
5	64QAM	12	0	19.56	19.71	19.69			
5	64QAM	12	13	19.58	19.60	19.65			
5	64QAM	25	0	19.62	19.60	19.56	19.3	0.9	
5	256QAM	1	0	18.82	18.86	18.80			
5	256QAM	1	12	18.75	18.86	18.80			
5	256QAM	1	24	18.64	18.81	18.67	19.3	0.9	
5	256QAM	12	0	18.85	18.92	18.87			
5	256QAM	12	7	18.92	18.90	18.81			
5	256QAM	12	13	18.83	18.95	18.81	19.3	0.9	
5	256QAM	25	0	18.84	18.88	18.86			

Band 38_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)				37850	38000	38150							
20	QPSK	1	0	2580	2595	2610	20.8	0					
20	QPSK	1	49	20.25	20.29	20.25							
20	QPSK	1	99	20.29	20.24	20.23							
20	QPSK	50	0	20.25	20.35	20.26							
20	QPSK	50	24	20.19	20.32	20.20	20.8	0					
20	QPSK	50	50	20.20	20.31	20.17							
20	QPSK	100	0	20.19	20.31	20.28							
20	16QAM	1	0	20.17	20.36	20.21							
20	16QAM	1	49	20.19	20.29	20.20	20.8	0					
20	16QAM	1	99	20.29	20.27	20.16							
20	16QAM	50	0	19.72	19.77	19.62							
20	16QAM	50	24	19.67	19.76	19.69							
20	16QAM	50	50	19.61	19.69	19.62	20.3	0.5					
20	16QAM	100	0	19.72	19.82	19.80							
20	64QAM	1	0	18.76	18.87	18.76							
20	64QAM	1	49	18.75	18.80	18.85							
20	64QAM	1	99	18.84	18.90	18.84	20.3	0.5					
20	64QAM	50	0	18.56	18.68	18.55							
20	64QAM	50	24	18.66	18.75	18.68							
20	64QAM	50	50	18.73	18.81	18.72							
20	64QAM	100	0	18.67	18.79	18.72	19.3	1.5					
20	256QAM	1	0	15.62	15.69	15.56							
20	256QAM	1	49	15.52	15.67	15.62							
20	256QAM	1	99	15.60	15.73	15.72							
20	256QAM	50	0	15.87	15.87	15.76	16.3	4.5					
20	256QAM	50	24	15.81	15.87	15.83							
20	256QAM	50	50	15.86	15.88	15.73							
20	256QAM	100	0	15.75	15.90	15.80							
Channel													
Frequency (MHz)				37825	38000	38175							
15	QPSK	1	0	20.23	20.23	20.23	20.8	0					
15	QPSK	1	37	20.11	20.20	20.23							
15	QPSK	1	74	20.22	20.12	20.18							
15	QPSK	36	0	20.14	20.31	20.13							
15	QPSK	36	20	20.11	20.27	20.10	20.8	0					
15	QPSK	36	39	20.11	20.17	20.16							
15	QPSK	36	50	20.08	20.21	20.26							
15	16QAM	1	0	20.12	20.33	20.14							
15	16QAM	1	37	20.12	20.15	20.11	20.8	0					
15	16QAM	1	74	20.22	20.13	20.08							
15	16QAM	36	0	19.58	19.64	19.55							
15	16QAM	36	20	19.52	19.73	19.64							
15	16QAM	36	39	19.59	19.60	19.60	20.3	0.5					
15	16QAM	75	0	19.67	19.72	19.79							
15	64QAM	1	0	18.68	18.76	18.72							
15	64QAM	1	37	18.60	18.81	18.75							
15	64QAM	1	74	18.70	18.87	18.73	20.3	0.5					
15	64QAM	36	0	18.42	18.54	18.40							
15	64QAM	36	20	18.65	18.61	18.56							
15	64QAM	36	39	18.65	18.72	18.59							
15	64QAM	75	0	18.59	18.72	18.68	19.3	1.5					
15	256QAM	1	0	15.50	15.68	15.53							
15	256QAM	1	37	15.39	15.53	15.56							
15	256QAM	1	74	15.51	15.71	15.70							
15	256QAM	36	0	15.77	15.92	15.76	16.3	4.5					
15	256QAM	36	20	15.74	15.78	15.73							
15	256QAM	36	39	15.85	15.78	15.62							
15	256QAM	75	0	15.64	15.83	15.78							
Channel													
Frequency (MHz)				37860	38000	38160							
10	QPSK	1	0	20.31	20.29	20.18	20.8	0					
10	QPSK	1	25	20.10	20.24	20.23							
10	QPSK	1	49	20.24	20.23	20.09							
10	QPSK	25	0	20.21	20.20	20.15							
10	QPSK	25	0	18.56	18.59	18.56	20.8	0					
10	QPSK	25	25	20.19	20.20	20.15							
10	QPSK	50	0	20.04	20.20	20.21							
10	16QAM	1	0	20.12	20.28	20.18							
10	16QAM	1	25	20.13	20.23	20.16	20.8	0					
10	16QAM	1	49	20.21	20.18	20.10							
10	16QAM	25	0	19.65	19.73	19.55							
10	16QAM	25	12	19.62	19.64	19.64							
10	16QAM	25	25	19.46	19.68	19.60	20.3	0.5					
10	16QAM	50	0	19.57	19.72	19.65							
10	64QAM	1	0	18.63	18.78	18.74							
10	64QAM	1	25	18.67	18.82	18.70							
10	64QAM	1	49	18.69	18.82	18.78	19.3	1.5					
10	64QAM	25	0	18.45	18.59	18.50							
10	64QAM	25	12	18.55	18.60	18.54							
10	64QAM	25	25	18.66	18.66	18.59							
10	64QAM	50	0	18.53	18.68	18.70	16.3	4.5					
10	256QAM	1	0	15.47	15.60	15.46							
10	256QAM	1	25	15.38	15.66	15.47							
10	256QAM	1	49	15.47	15.62	15.68							
10	256QAM	25	0	15.77	15.88	15.72	16.3	4.5					
10	256QAM	25	12	15.67	15.79	15.77							
10	256QAM	25	25	15.80	15.87	15.68							
10	256QAM	50	0	15.63	15.85	15.76							
Channel													
Frequency (MHz)				37775	38000	38225							
5	QPSK	1	0	20.23	20.34	20.21	20.8	0					
5	QPSK	1	12	20.10	20.25	20.24							
5	QPSK	1	24	20.19	20.20	20.13							
5	QPSK	12	0	20.13	20.26	20.24							
5	QPSK	12	7	20.08	20.22	20.17	20.8	0					
5	QPSK	12	13	20.15	20.26	20.02							
5	QPSK	25	0	20.13	20.24	20.27							
5	16QAM	1	0	20.04	20.32	20.16							
5	16QAM	1	12	20.12	20.26	20.15	20.8	0					
5	16QAM	1	24	20.28	20.18	20.13							
5	16QAM	12	0	19.63	19.71	19.55							
5	16QAM	12	7	19.59	19.67	19.61							
5	16QAM	12	13	19.60	19.55	19.54	20.3	0.5					
5	16QAM	25	0	19.70	19.72	19.76							
5	64QAM	1	0	18.62	18.81	18.65							
5	64QAM	1	12	18.69	18.84	18.77							
5	64QAM	1	24	18.73	18.69	18.62	19.3	0.5					
5	64QAM	12	0	18.41	18.64	18.52							
5	64QAM	12	7	18.51	18.70	18.56							
5	64QAM	12	13	18.59	18.69	18.62							
5	64QAM	25	0	18.62	18.73	18.61	16.3	4.5					
5	64QAM	25	12	18.63	18.78	18.50							
5	256QAM	1	0	15.61	15.83	15.50							
5	256QAM	1	12	15.63	15.81	15.51							
5	256QAM	1	24	15.59	15.59	15.58							
5	256QAM	12	0	15.76	15.85	15.76							
5	256QAM	12	7	15.66	15.72	15.61	16.3	4.5					
5	256QAM	12	13	15.71	15.71	15.61							
5	256QAM	25	0	15.70	15.85	15.71							
5	256QAM	25	12	15.70	15.85	15.71							
5	256QAM	25	0	15.70	15.85	15.71							



Band 41_Ant 6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Middle Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	18.07	18.77	19.10	19.08	19.05	19.7	0		
20	QPSK	1	49	19.05	18.76	19.09	18.94	18.97				
20	QPSK	1	99	18.99	18.73	19.16	19.01	19.03				
20	QPSK	50	0	18.91	18.61	19.14	18.90	18.90				
20	QPSK	50	24	18.84	18.66	19.06	18.77	18.76				
20	QPSK	50	50	18.83	18.72	19.00	18.80	18.83	19.7	0		
20	QPSK	100	0	18.93	18.69	19.96	18.67	18.94				
20	16QAM	1	0	18.96	18.64	19.09	19.02	19.07				
20	16QAM	1	49	18.96	18.71	19.17	18.93	18.93				
20	16QAM	1	99	19.03	18.89	19.11	18.96	19.03				
20	16QAM	50	0	19.03	18.68	19.10	19.02	18.95	19.7	0		
20	16QAM	50	24	19.01	18.72	19.12	18.93	18.98				
20	16QAM	50	50	18.95	18.63	19.09	19.06	18.99				
20	16QAM	100	0	18.96	18.62	19.11	19.07	18.99				
20	64QAM	1	0	19.06	18.76	19.10	19.05	18.96				
20	64QAM	1	49	19.00	18.63	19.07	18.97	19.02	19.7	0		
20	64QAM	1	99	19.06	18.76	19.15	19.07	18.92				
20	64QAM	50	0	18.99	18.71	19.17	18.99	18.99				
20	64QAM	50	24	19.05	18.71	19.04	19.06	19.03				
20	64QAM	50	50	18.92	18.73	19.07	18.97	18.94				
20	64QAM	100	0	18.94	18.76	19.15	18.99	18.97	17.1	2.6		
20	256QAM	1	0	16.47	16.47	16.58	16.45	16.55				
20	256QAM	1	49	16.57	16.45	16.58	16.50	16.51				
20	256QAM	1	99	16.48	16.48	16.54	16.52	16.53				
20	256QAM	50	0	16.71	16.71	16.77	16.65	16.63				
20	256QAM	50	24	16.99	16.81	16.90	16.76	16.82	17.1	2.6		
20	256QAM	50	50	16.73	16.72	16.79	16.66	16.78				
20	256QAM	100	0	16.87	16.88	16.90	16.87	16.86				
Channel												
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	19.01	18.64	19.15	19.06	18.92	19.7	0		
15	QPSK	1	37	19.04	18.69	19.09	18.83	18.96				
15	QPSK	1	74	18.96	18.58	19.08	18.94	18.99				
15	QPSK	36	0	18.82	18.74	19.09	18.82	18.79				
15	QPSK	36	20	18.75	18.62	19.05	18.68	18.75				
15	QPSK	36	39	18.79	18.61	18.90	18.77	18.74	19.7	0		
15	QPSK	75	0	18.91	18.55	19.06	18.76	18.81				
15	16QAM	1	0	18.84	18.51	18.98	18.98	18.88				
15	16QAM	1	37	18.80	18.66	19.05	18.67	18.66				
15	16QAM	1	74	18.96	18.63	19.09	18.84	18.97				
15	16QAM	36	0	18.96	18.56	19.06	18.66	18.63	19.7	0		
15	16QAM	36	20	19.00	18.57	19.06	18.87	18.90				
15	16QAM	36	39	18.85	18.57	19.07	19.03	18.85				
15	16QAM	75	0	18.84	18.49	19.10	18.93	18.82				
15	64QAM	1	0	18.99	18.66	19.07	18.95	18.95				
15	64QAM	1	37	18.90	18.45	19.05	18.93	18.92	19.7	0		
15	64QAM	1	74	18.97	18.61	19.06	18.92	18.78				
15	64QAM	36	0	18.93	18.67	19.07	18.90	18.98				
15	64QAM	36	20	18.96	18.65	19.01	19.05	18.89				
15	64QAM	36	39	18.85	18.63	19.06	18.86	18.80				
15	64QAM	75	0	18.79	18.67	19.10	18.87	18.94	17.1	2.6		
15	256QAM	1	0	16.36	16.33	16.56	16.40	16.50				
15	256QAM	1	37	16.50	16.35	16.43	16.45	16.48				
15	256QAM	1	74	16.37	16.38	16.49	16.45	16.43				
15	256QAM	36	0	16.56	16.69	16.64	16.53	16.48				
15	256QAM	36	20	16.86	16.68	16.76	16.63	16.77	17.1	2.6		
15	256QAM	36	39	16.58	16.57	16.73	16.61	16.64				
15	256QAM	75	0	16.72	16.83	16.80	16.77	16.84				
Channel												
Frequency (MHz)				2501 <th>2547<th>2593</th><th>2639</th><th>2685</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	2547 <th>2593</th> <th>2639</th> <th>2685</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	18.97	18.66	19.08	18.95	18.92	19.7	0		
10	QPSK	1	25	18.98	18.74	19.03	18.80	18.82				
10	QPSK	1	49	18.91	18.71	19.01	18.93	18.96				
10	QPSK	25	0	18.85	18.67	19.13	18.77	18.85				
10	QPSK	25	12	18.75	18.71	19.04	18.66	18.70				
10	QPSK	25	25	18.75	18.57	18.91	18.66	18.61	19.7	0		
10	QPSK	50	0	18.86	18.60	19.01	18.84	18.92				
10	16QAM	1	0	18.81	18.57	18.96	19.01	18.87				
10	16QAM	1	25	18.80	18.66	19.12	18.78	18.89				
10	16QAM	1	49	19.00	18.60	19.08	18.86	18.89				
10	16QAM	25	0	19.00	18.67	19.01	19.01	18.89	19.7	0		
10	16QAM	25	12	18.95	18.67	19.00	19.06	18.90				
10	16QAM	25	25	18.89	18.50	18.94	18.86	18.87				
10	16QAM	50	0	18.81	18.57	18.94	18.86	18.87				
10	64QAM	1	0	19.05	18.63	19.05	19.01	18.95				
10	64QAM	1	25	18.96	18.56	19.00	18.90	18.93	19.7	0		
10	64QAM	1	49	19.03	18.74	19.03	19.01	18.88				
10	64QAM	25	0	18.95	18.59	19.15	18.88	18.85				
10	64QAM	25	12	18.92	18.67	18.92	18.95	19.00				
10	64QAM	25	25	18.78	18.71	18.93	18.83	18.87				
10	64QAM	50	0	18.92	18.69	19.03	18.86	18.92	17.1	2.6		
10	256QAM	1	0	16.42	16.41	16.44	16.38	16.49				
10	256QAM	1	25	16.50	16.43	16.49	16.47	16.41				
10	256QAM	1	49	16.46	16.40	16.47	16.50	16.46				
10	256QAM	25	0	16.70	16.59	16.76	16.58	16.69				
10	256QAM	25	12	16.84	16.68	16.78	16.61	16.70	17.1	2.6		
10	256QAM	25	25	16.70	16.67	16.78	16.61	16.70				
10	256QAM	50	0	16.82	16.87	16.78	16.82	16.84				
Channel												
Frequency (MHz)				2497.5	2544.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	18.92	18.68	19.07	18.95	18.91	19.7	0		
5	QPSK	1	12	18.99	18.63	19.05	18.81	18.91				
5	QPSK	1	24	18.91	18.70	19.09	18.99	18.98				
5	QPSK	12	0	18.86	18.76	19.01	18.87	18.79	19.7	0		
5	QPSK	12	7	18.75	18.63	18.98	18.72	18.64				
5	QPSK	12	13	18.82	18.65	18.98	18.76	18.71				
5	QPSK	25	0	18.81	18.57	18.96	18.96	18.82	19.7	0		
5	QPSK	25	0	18.85	18.59	18.94	18.94	18.96				
5	16QAM	1	12	18.81	18.62	19.11	18.79	18.79				
5	16QAM	1	24	18.99	18.58	19.05	18.95	19.02	19.7	0		
5	16QAM	12	0	18.95	18.62	19.07	19.00	18.80				
5	16QAM	12	7	18.85	18.67	18.97	18.97	18.97				
5	16QAM	12	13	18.85	18.59	19.05	19.02	19.00	19.7	0		
5	16QAM	25	0	18.91	18.48	18.96	19.04	18.83				
5	64QAM	1	0	19.03	18.75	19.06	18.91	18.83				
5	64QAM	1	12	18.97	18.60	18.97	18.90	18.96	19.7	0		
5	64QAM	1	24	18.99	18.62	19.08	18.98	19.03				
5	64QAM	12	0	18.88	18.69	19.15	18.88	19.07				
5	64QAM	12	7	18.90	18.67	18.97	19.05	19.00	19.7	0		
5	64QAM	12	13	18.85	18.71	18.98	18.94	18.80				
5	64QAM	25	0	18.93	18.64	18.95	18.95	18.85				
5	256QAM	1	0	16.41	16.39	16.55	16.31	16.45	17.1	2.6		
5	256QAM	1	12	16.45	16.37	16.44	16.43	16.37				
5	256QAM	1	24	16.46	16.37	16.50	16.46	16.46				
5	256QAM	12	0	16.67	16.70	16.67	16.53	16.59	17.1	2.6		
5	256QAM	12	7	16.81	16.78	16.78	16.64	16.67				
5	256QAM	12	13	16.67	16.69	16.76	16.64	16.67				
5	256QAM	25	0	16.73	16.81	16.85	16.74	16.71				



Band 41(HPUe)_Ant 11														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	19.60	19.49	19.65	19.58	19.63	20.4	0				
20	QPSK	1	49	19.60	19.49	19.65	19.58	19.63						
20	QPSK	1	99	19.61	19.48	19.66	19.58	19.58						
20	QPSK	50	0	19.55	19.43	19.69	19.53	19.48						
20	QPSK	50	24	19.45	19.42	19.65	19.47	19.42						
20	QPSK	50	50	19.47	19.39	19.60	19.44	19.39						
20	QPSK	100	0	19.63	19.52	19.66	19.62	19.62						
20	16QAM	1	0	19.57	19.55	19.68	19.56	19.56	20.4	0				
20	16QAM	1	49	19.58	19.53	19.59	19.58	19.56						
20	16QAM	1	99	19.54	19.48	19.57	19.53	19.55						
20	16QAM	50	0	19.49	19.47	19.64	19.60	19.60						
20	16QAM	50	24	19.51	19.55	19.58	19.54	19.51	20.4	0				
20	16QAM	50	50	19.54	19.55	19.65	19.58	19.53						
20	16QAM	100	0	19.48	19.52	19.58	19.57	19.51						
20	64QAM	1	0	19.66	19.46	19.64	19.62	19.48						
20	64QAM	1	49	19.46	19.52	19.57	19.54	19.48	20.4	0				
20	64QAM	50	0	19.55	19.50	19.70	19.53	19.50						
20	64QAM	50	24	19.50	19.45	19.62	19.53	19.60						
20	64QAM	50	50	19.56	19.49	19.61	19.51	19.48	20.4	0				
20	64QAM	100	0	19.54	19.43	19.65	19.54	19.62						
20	256QAM	1	0	19.49	19.45	19.69	19.56	19.60						
20	256QAM	1	49	19.61	19.51	19.63	19.57	19.62	20.3	0.1				
20	256QAM	1	99	19.52	19.46	19.57	19.51	19.60						
20	256QAM	50	0	19.56	19.42	19.69	19.52	19.59						
20	256QAM	50	24	19.60	19.52	19.70	19.57	19.58	20.3	0.1				
20	256QAM	50	50	19.49	19.52	19.61	19.51	19.61						
20	256QAM	100	0	19.49	19.43	19.69	19.61	19.57						
Channel														
Frequency (MHz)				39725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	19.62	19.53	19.68	19.51	19.62	20.4	0				
15	QPSK	1	37	19.63	19.41	19.61	19.46	19.41						
15	QPSK	1	74	19.44	19.43	19.65	19.56	19.48						
15	QPSK	36	0	19.44	19.39	19.63	19.39	19.41						
15	QPSK	36	20	19.32	19.35	19.60	19.39	19.27	20.4	0				
15	QPSK	36	39	19.46	19.24	19.53	19.34	19.28						
15	QPSK	75	0	19.50	19.38	19.57	19.56	19.51	20.9	0				
15	16QAM	1	0	19.52	19.52	19.55	19.51	19.43						
15	16QAM	1	37	19.57	19.39	19.45	19.54	19.42	20.4	0				
15	16QAM	1	74	19.50	19.34	19.49	19.43	19.46						
15	16QAM	36	0	19.36	19.36	19.52	19.43	19.37						
15	16QAM	36	20	19.43	19.40	19.45	19.52	19.54	20.4	0				
15	16QAM	36	39	19.42	19.43	19.50	19.49	19.41						
15	16QAM	75	0	19.48	19.50	19.57	19.56	19.38						
15	64QAM	1	0	19.42	19.42	19.57	19.52	19.39						
15	64QAM	1	37	19.44	19.43	19.54	19.49	19.45	20.4	0				
15	64QAM	1	74	19.57	19.38	19.60	19.45	19.46						
15	64QAM	36	0	19.54	19.39	19.55	19.42	19.44						
15	64QAM	36	20	19.47	19.30	19.50	19.41	19.56	20.4	0				
15	64QAM	36	39	19.50	19.43	19.54	19.42	19.39						
15	64QAM	75	0	19.43	19.41	19.61	19.51	19.49						
15	256QAM	1	0	19.38	19.33	19.67	19.54	19.47						
15	256QAM	1	37	19.51	19.41	19.51	19.51	19.60	20.3	0.1				
15	256QAM	1	74	19.46	19.35	19.53	19.47	19.59						
15	256QAM	36	0	19.43	19.27	19.55	19.42	19.53						
15	256QAM	36	20	19.48	19.51	19.55	19.44	19.49	20.3	0.1				
15	256QAM	36	39	19.43	19.50	19.57	19.38	19.60						
15	256QAM	75	0	19.37	19.37	19.56	19.55	19.47						
Channel														
Frequency (MHz)				25991	26347	26893	27339	27885	Turn-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	19.62	19.43	19.71	19.49	19.50	20.4	0				
10	QPSK	1	25	19.55	19.46	19.51	19.50	19.49						
10	QPSK	1	49	19.40	19.38	19.63	19.43	19.46						
10	QPSK	25	0	19.46	19.41	19.62	19.43	19.47						
10	QPSK	25	12	19.36	19.37	19.55	19.36	19.37	20.4	0				
10	QPSK	25	25	19.38	19.29	19.50	19.40	19.37						
10	QPSK	50	0	19.50	19.46	19.64	19.59	19.59						
10	16QAM	1	0	19.50	19.52	19.56	19.50	19.43						
10	16QAM	1	25	19.45	19.38	19.54	19.48	19.47						
10	16QAM	1	49	19.51	19.44	19.50	19.49	19.49						
10	16QAM	25	0	19.34	19.40	19.49	19.57	19.57						
10	16QAM	25	12	19.37	19.47	19.53	19.39	19.53	20.4	0				
10	16QAM	25	25	19.49	19.50	19.61	19.46	19.45						
10	16QAM	50	0	19.48	19.38	19.50	19.46	19.40						
10	64QAM	1	0	19.51	19.38	19.50	19.40	19.43	20.4	0				
10	64QAM	1	25	19.42	19.43	19.48	19.49	19.38						
10	64QAM	1	49	19.54	19.44	19.66	19.41	19.43						
10	64QAM	25	0	19.49	19.47	19.62	19.45	19.35						
10	64QAM	25	12	19.41	19.34	19.47	19.48	19.47	20.4	0				
10	64QAM	25	25	19.47	19.39	19.47	19.40	19.46						
10	64QAM	50	0	19.52	19.39	19.58	19.49	19.56						
10	256QAM	1	0	19.34	19.35	19.66	19.42	19.45						
10	256QAM	1	25	19.51	19.42	19.52	19.54	19.50						
10	256QAM	1	49	19.44	19.37	19.55	19.39	19.45	20.3	0.1				
10	256QAM	25	0	19.51	19.41	19.62	19.38	19.54						
10	256QAM	25	12	19.55	19.45	19.56	19.42	19.48						
10	256QAM	25	25	19.38	19.46	19.52	19.41	19.56	20.3	0.1				
10	256QAM	50	0	19.40	19.37	19.61	19.54	19.49						
Channel														
Frequency (MHz)				2498.5	25448	25993	26440.30	26897.5	Turn-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	19.60	19.45	19.57	19.57	19.51	20.4	0				
5	QPSK	1	12	19.55	19.37	19.63	19.55	19.46						
5	QPSK	1	24	19.39	19.41	19.57	19.46	19.55						
5	QPSK	12	0	19.40	19.33	19.58	19.49	19.37	20.4	0				
5	QPSK	12	7	19.39	19.32	19.59	19.46	19.40						
5	QPSK	12	13	19.40	19.30	19.55	19.39	19.24						
5	QPSK	25	0	19.62	19.44	19.57	19.48	19.60	20.4	0				
5	16QAM	1	0	19.48	19.40	19.65	19.47	19.45						
5	16QAM	1	12	19.46	19.35	19.62	19.43	19.51						
5	16QAM	1	24	19.52	19.46	19.43	19.40	19.52						
5	16QAM	12	0	19.36	19.43	19.57	19.55	19.57	20.4	0				
5	16QAM	12	7	19.36	19.50	19.56	19.41	19.50						
5	16QAM	12	13	19.41	19.34	19.54	19.49	19.39						
5	16QAM	25	0	19.42	19.45	19.50	19.49	19.43	20.4	0				
5	16QAM	25	0	19.51	19.39	19.51	19.51	19.41						
5	64QAM	1	12	19.34	19.46	19.60	19.41	19.36						
5	64QAM	1	24	19.48	19.52	19.56	19.37	19.44						
5	64QAM	12	0	19.40	19.35	19.53	19.45	19.42	20.4	0				
5	64QAM	12	7	19.38	19.33	19.60	19.39	19.46						
5	64QAM	12	13	19.38	19.43	19.51	19.48	19.39						
5	256QAM	1	0	19.41	19.31	19.60	19.41	19.58	20.3	0.1				
5	256QAM	1	0	19.43	19.42	19.58	19.48	19.47						
5	256QAM	1	0	19.46	19.48	19.59	19.49	19.48						
5	256QAM	1	24	19.40	19.36	19.49	19.43	19.51	20.3	0.1				
5	256QAM	12	0	19.44	19.35	19.55	19.40	19.48						
5	256QAM	12	7	19.57	19.38	19.59	19.44	19.44						
5	256QAM	12	13	19.40	19.34	19.54	19.49	19.37	20.3	0.1				
5	256QAM	25	0	19.42	19.30	19.64	19.50	19.44						

GSM900_Ant 0		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up	
Tx Channel		128	188	251	128	188	251	Limit	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	Limit	
GSM 1 Tx slot	26.81	26.93	26.81	29.40	19.81	19.93	19.81	20.40	
GPRS 1 Tx slot	26.90	26.98	26.83	29.40	19.90	19.98	19.83	20.40	
GPRS 2 Tx slots	25.92	26.01	25.97	26.40	19.92	20.01	19.97	20.40	
GPRS 3 Tx slots	24.27	24.22	24.14	24.90	20.01	19.96	19.88	20.64	
GPRS 4 Tx slots	22.84	22.91	22.77	23.40	19.94	19.91	19.77	20.40	
EDGE(GMSK 1 Tx slot)	26.91	29.02	29.00	29.40	19.91	20.02	20.00	20.40	
EDGE(GMSK 2 Tx slot)	25.98	26.00	25.92	26.40	19.98	20.00	19.92	20.40	
EDGE(GMSK 3 Tx slot)	24.34	24.21	24.31	24.90	20.08	19.95	20.05	20.64	
EDGE(GMSK 4 Tx slot)	23.01	22.93	22.90	23.40	20.01	19.93	19.90	20.40	
EDGE 1 Tx slot	26.35	26.37	26.17	27.60	17.35	17.37	17.17	18.60	
EDGE 2 Tx slot	25.31	25.23	25.19	25.60	16.31	16.23	16.19	16.60	
EDGE 3 Tx slot	23.14	23.09	23.07	23.40	18.88	18.83	18.81	19.24	
EDGE 4 Tx slot	21.53	21.41	21.25	22.10	18.53	18.41	18.25	19.10	

GSM900_Ant 1		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up	
Tx Channel		128	188	251	128	188	251	Limit	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	Limit	
GSM 1 Tx slot	32.43	32.60	32.39	33.50	23.43	23.60	23.39	24.50	
GPRS 1 Tx slot	32.42	32.56	32.35	33.50	23.42	23.56	23.35	24.50	
GPRS 2 Tx slots	29.95	30.10	29.85	31.00	23.95	24.10	23.85	25.00	
GPRS 3 Tx slots	28.52	28.63	28.38	29.50	24.26	24.37	24.12	25.24	
GPRS 4 Tx slots	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00	
EDGE(GMSK 1 Tx slot)	32.41	32.57	32.33	33.50	23.41	23.57	23.33	24.50	
EDGE(GMSK 2 Tx slot)	29.95	30.08	29.84	31.00	23.95	24.08	23.84	25.00	
EDGE(GMSK 3 Tx slot)	28.52	28.62	28.37	29.50	24.26	24.36	24.11	25.24	
EDGE(GMSK 4 Tx slot)	27.58	27.66	27.38	28.00	24.58	24.66	24.38	25.00	
EDGE 1 Tx slot	26.65	26.42	26.27	27.26	17.65	17.42	17.27	18.20	
EDGE 2 Tx slot	25.51	25.36	25.24	26.00	16.51	16.36	16.24	20.00	
EDGE 3 Tx slot	23.42	23.28	23.11	24.00	16.16	16.06	15.85	19.74	
EDGE 4 Tx slot	21.41	21.49	21.38	22.50	16.41	16.48	16.38	19.50	

GSM1900_Ant 5		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up	
Tx Channel		512	661	810	512	661	810	Limit	
Frequency (MHz)		1862.2	1860	1869.8	1862.2	1860	1869.8	Limit	
GSM 1 Tx slot	26.78	26.79	26.89	30.50	19.78	20.79	20.89	21.50	
GPRS 1 Tx slot	26.72	26.77	26.86	30.50	19.72	20.77	20.86	21.50	
GPRS 2 Tx slots	27.32	27.30	27.40	28.50	21.32	21.30	21.40	22.50	
GPRS 3 Tx slots	25.76	25.71	25.82	26.50	21.50	21.45	21.56	22.24	
GPRS 4 Tx slots	24.72	24.68	24.81	25.00	21.72	21.66	21.81	22.00	
EDGE(GMSK 1 Tx slot)	26.59	26.74	26.80	30.50	19.59	20.74	20.80	21.50	
EDGE(GMSK 2 Tx slot)	27.21	27.16	27.36	28.50	21.21	21.16	21.36	22.50	
EDGE(GMSK 3 Tx slot)	25.69	25.65	25.72	26.50	21.43	21.39	21.46	22.24	
EDGE(GMSK 4 Tx slot)	24.69	24.53	24.67	25.00	21.69	21.53	21.67	22.00	
EDGE 1 Tx slot	25.41	25.73	25.74	26.50	16.41	16.73	16.74	17.50	
EDGE 2 Tx slot	23.33	23.72	23.57	24.50	17.33	17.72	17.57	18.50	
EDGE 3 Tx slot	21.19	21.42	21.40	22.50	16.93	17.16	17.14	18.24	
EDGE 4 Tx slot	20.48	20.67	20.61	21.50	17.48	17.67	17.61	18.50	

GSM1900_Ant 6		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up	
Tx Channel		512	661	810	512	661	810	Limit	
Frequency (MHz)		1862.2	1860	1869.8	1862.2	1860	1869.8	Limit	
GSM 1 Tx slot	24.08	24.05	24.11	25.10	15.08	15.05	15.11	16.10	
GPRS 1 Tx slot	24.04	23.98	24.13	25.10	15.04	14.98	15.13	16.10	
GPRS 2 Tx slots	20.94	20.89	21.03	22.80	14.94	14.89	15.03	16.60	
GPRS 3 Tx slots	19.03	19.05	19.12	20.60	14.77	14.79	14.86	16.34	
GPRS 4 Tx slots	17.90	17.99	18.03	19.10	14.90	14.99	15.03	16.10	
EDGE(GMSK 1 Tx slot)	23.95	23.96	24.00	25.10	14.95	14.96	15.00	16.10	
EDGE(GMSK 2 Tx slot)	20.80	20.74	20.93	22.60	14.80	14.74	14.93	16.60	
EDGE(GMSK 3 Tx slot)	18.90	19.02	19.08	20.60	14.64	14.76	14.80	16.34	
EDGE(GMSK 4 Tx slot)	17.79	17.87	17.94	19.10	14.78	14.87	14.94	16.10	
EDGE 1 Tx slot	22.86	22.96	22.97	23.70	13.86	13.96	13.97	14.70	
EDGE 2 Tx slot	19.81	19.71	19.86	20.70	13.81	13.71	13.86	14.70	
EDGE 3 Tx slot	17.59	17.49	17.63	18.70	13.33	13.23	13.37	14.44	
EDGE 4 Tx slot	16.08	16.02	16.11	17.70	13.08	13.02	13.11	14.70	

Band		WCDMA_II_Ant 5			WCDMA_II_Ant 6			Tune-up	
Tx Channel		5062	5400	5536	5062	5400	5536	Limit	
Rx Channel		5062	5400	5536	5062	5400	5536	Limit	
Frequency (MHz)		1852.4	1860	1907.6	1852.4	1860	1907.6	Limit	
3GPP Rel 99	AMR 12.2Kbps	23.42	23.53	23.33	23.80	15.84	15.89	15.78	16.10
3GPP Rel 99	RM 12.2Kbps	23.50	23.55	23.47	23.80	15.88	15.98	15.88	16.10
3GPP Rel 6	HSRPA Subtest-1	22.47	22.33	22.46	22.80	15.94	15.96	15.91	16.10
3GPP Rel 6	HSRPA Subtest-2	22.48	22.41	22.42	22.80	15.90	15.94	15.89	16.10
3GPP Rel 6	HSRPA Subtest-3	22.05	22.00	21.92	22.30	15.95	15.90	15.92	16.10
3GPP Rel 6	HSRPA Subtest-4	22.02	21.99	22.00	22.30	15.92	15.95	15.88	16.10
3GPP Rel 6	DC-HSRPA Subtest-1	22.36	22.32	22.44	22.80	15.81	15.91	15.86	16.10
3GPP Rel 6	DC-HSRPA Subtest-2	22.36	22.30	22.28	22.80	15.77	15.88	15.82	16.10
3GPP Rel 6	DC-HSRPA Subtest-3	22.04	21.98	21.89	22.50	15.93	15.84	15.87	16.10
3GPP Rel 6	DC-HSRPA Subtest-4	21.92	21.95	21.85	22.50	15.85	15.88	15.78	16.10
3GPP Rel 6	HSUPA Subtest-1	21.54	21.48	21.50	22.80	15.82	15.86	15.73	16.10
3GPP Rel 6	HSUPA Subtest-2	21.54	21.52	21.44	22.80	15.84	15.89	15.74	16.10
3GPP Rel 6	HSUPA Subtest-3	21.56	21.41	21.44	22.80	15.78	15.84	15.84	16.10
3GPP Rel 6	HSUPA Subtest-4	21.09	21.06	21.06	22.30	15.86	15.94	15.73	16.10
3GPP Rel 6	HSUPA Subtest-5	22.50	22.44	22.39	23.80	15.81	15.86	15.78	16.10
3GPP Rel 7	HSPA+ (HIGAM) Subtest-1	22.29	22.17	22.07	23.80	15.72	15.80	15.76	16.10

Band		WCDMA_IV_Ant5					WCDMA_IV_Ant6					WCDMA_IV_Ant11					WCDMA_IV_Ant7				
Tx Channel		1312	1413	1513	Turn-up (dBm)	1312	1413	1513	Turn-up (dBm)	1312	1413	1513	Turn-up (dBm)	1312	1413	1513	Turn-up (dBm)				
Rx Channel		1537	1638	1738	1537	1638	1738	1537	1638	1738	1537	1638	1738	1537	1638	1738	1537				
Frequency (MHz)		1712.4	1723.6	1752.6	1712.4	1723.6	1752.6	1712.4	1723.6	1752.6	1712.4	1723.6	1752.6	1712.4	1723.6	1752.6	1712.4				
3GPP Rel 99	AMR 12.2Kbps	24.30	24.34	24.29	24.80	16.48	16.58	16.64	17.10	20.29	20.27	20.15	20.80	17.17	17.18	17.18	17.70				
3GPP Rel 99	RM 12.2Kbps	24.40	24.43	24.38	24.80	16.60	16.73	16.66	17.10	20.32	20.41	20.18	20.80	17.30	17.33	17.26	17.70				
3GPP Rel 6	HSRPA Subtest-1	23.36	23.30	23.28	23.80	16.60	16.51	16.63	17.10	20.35	20.39	20.30	20.80	17.20	17.28	17.25	17.70				
3GPP Rel 6	HSRPA Subtest-2	23.36	23.35	23.22	23.80	16.58	16.53	16.58	17.10	20.34	20.29	20.36	20.80	17.28	17.28	17.23	17.70				
3GPP Rel 6	HSRPA Subtest-3	22.89	22.88	22.82	23.30	16.63	16.55	16.62	17.10	20.37	20.33	20.31	20.80	17.26	17.20	17.28	17.70				
3GPP Rel 6	HSRPA Subtest-4	22.87	22.78	22.75	23.30	16.60	16.50	16.62	17.10	20.35	20.28	20.36	20.80	17.22	17.23	17.25	17.70				
3GPP Rel 6	DC-HSRPA Subtest-1	23.22	23.17	23.13	23.80	16.57	16.48	16.59	17.10	20.31	20.25	20.38	20.80	17.12	17.15	17.20	17.70				
3GPP Rel 6	DC-HSRPA Subtest-2	23.21	23.20	23.09	23.80	16.49	16.48	16.45	17.10	20.23	20.24	20.33	20.80	17.14	17.14	17.21	17.70				
3GPP Rel 6	DC-HSRPA Subtest-3	22.88	22.81	22.75	23.30	16.55	16.51	16.51	17.10	20.25	20.27	20.20	20.80	17.14	17.12	17.18	17.70				
3GPP Rel 6	DC-HSRPA Subtest-4	22.86	22.64	22.63	23.30	16.58	16.47	16.49	17.10	20.32	20.24	20.32	20.80	17.18	17.20	17.17	17.70				
3GPP Rel 6	HSUPA Subtest-1	22.38	22.23	22.34	22.80	16.57	16.67	16.63	17.10	20.31	20.28	20.15	20.80	17.27	17.23	17.12	17.70				
3GPP Rel 6	HSUPA Subtest-2	22.42	22.29	22.33	22.80	16.51	16.63	16.56	17.10	20.27	20.32	20	20.80	17.22	17.28	17.25	17.70				
3GPP Rel 6	HSUPA Subtest-3	21.97	21.87	21.86	22.30	16.46	16.71	16.65	17.10	20.23	20.29	20.51	20.80	17.16	17.20	17.13	17.70				
3GPP Rel 6	HSUPA Subtest-4	21.90	21.87	21.86	22.30	16.51	16.71	16.65	17.10	20.23	20.28	20.51	20.80	17.21	17.20	17.20	17.70				
3GPP Rel 6	HSUPA Subtest-5	23.40	23.28	23.33	23.80	16.51	16.64	16.65	17.10	20.27	20.30	20.80	20.80	17.21	17.20	17.20	17.70				
3GPP Rel 7	HSRPA (16QAM) Subtest-1	23.11	23.02	23.03	23.80	16.43	16.56	16.53	17.10	20.17	20.15	19.99	20.80	17.20	17.15	17.10	17.70				

Band 2_Ant 5

BW [MHz]

Modulation

RB Size

RB Offset

Power Ch / Freq [dBm]

Power Ch / Freq [dBm]

Power Ch / Freq [dBm]

Turn-up (dB)

MPR (dB)

Channel

Frequency (MHz)

20

QPSK

1

0

23.00

23.10

23.07

20

QPSK

1

49

23.07

23.17

23.08

20

QPSK

1

99

23.06

23.06

23.03

20

QPSK

50

24

22.09

22.60

22.67

20

QPSK

50

50

22.08

22.62

22.61

20

QPSK

100

50

22.05

22.62

22.61

20

QPSK

1

0

22.85

22.94

22.93

20

QPSK

1

49

22.87

23.02

22.88

20

QPSK

1

99

22.86

22.86

22.83

20

QPSK

50

24

22.01

22.10

22.14

20

QPSK

50

50

22.01

22.09

22.07

20

QPSK

50

50

22.05

22.05

22.07

20

QPSK

100

50

22.05

22.05

22.08

20

QPSK

1

0

21.72

21.80

21.78

20

QPSK

1

49

21.68

21.81

21.69

20

QPSK

1

99

21.73

21.83

21.69

20

QPSK

50

24

21.07

21.20

21.06

20

QPSK

50

24

21.12

21.13

21.09

20

QPSK

50

50

21.06

21.23

21.00

20

QPSK

100

50

21.00

21.21

21.01

20

QPSK

1

0

17.03

17.04

17.06

20

QPSK

1

49

17.00

17.07

17.02

20

QPSK

1

99

17.07

17.05

17.02

20

QPSK

50

24

17.01

17.01

17.00

20

QPSK

50

24

17.09

18.01

17.84

20

QPSK

50

50

17.08

18.01

17.91

20

QPSK

100

50

17.03

17.04

17.06

Channel

Frequency (MHz)

20

QPSK

1

0

22.97

23.14

22.97

20

QPSK

1

49

22.95

23.04

22.93

20

QPSK

1

99

22.95

22.92

22.88

20

QPSK

50

24

22.04

22.74

22.67

20

QPSK

50

24

22.04

22.67

22.61

20

QPSK

50

50

22.04

22.67

22.61

20

QPSK

100

50

22.04

22.65

22.62

20

QPSK

1

0

22.70

22.81

22.82

20

QPSK

1

49

22.71

22.86

22.82

20

QPSK

1

99

22.71

22.86

22.82

20

QPSK

50

24

22.09

22.08

22.00

20

QPSK

50

24

21.09

22.00

21.94

20

QPSK

50

50

22.03

21.96

22.02

20

QPSK

100

50

22.03

21.96

22.02

20

QPSK

1

0

21.66

21.69

21.70

20

QPSK

1

49

21.67

21.72

21.68

20

QPSK

1

99

21.67

21.72

21.68

20

QPSK

50

24

21.04

21.09

21.06

20

QPSK

50

24

21.02

21.07

20.98

20

QPSK

50

50

21.02

21.07

20.98

20

QPSK

100

50

21.02

21.07

20.98

20

QPSK

1

0

21.02

21.07

20.98

20

QPSK

1

49

21.02

21.07

20.98

20

QPSK

1

99

21.02

21.07

20.98

20

QPSK

50

24

20.92

21.08

20.86

20

QPSK

50

24

20.92

21.08

20.86

20

QPSK

50

50

20.92

21.08

20.86

20

QPSK

100

50

20.92

21.08

20.86

20

QPSK

1

0

17.06

17.08

17.07

20

QPSK

1

49

17.06

17.08

17.07

20

QPSK

1

99

17.06

17.08

17.07

20

QPSK

50

24

17.04

17.00

17.03

20

QPSK

50

24

17.06

17.00

17.03

20

QPSK

50

50

17.06

17.00

17.03

20

QPSK

100

50

17.06

17.00

17.03

Channel

Frequency (MHz)

20

QPSK

1

0

23.00

23.00

23.02

20

QPSK

1

49

23.01

23.00

23.00

20

QPSK

1

99

23.01

23.00

23.00

20

QPSK

50

24

22.77

22.67

22.67

20

QPSK

50

24

22.83

22.83

22.83

20

QPSK

50

50

22.80

22.86

22.80

20

QPSK

100

50

22.79

22.86

22.84

20

QPSK

1

0

22.70

22.86

22.84

20

QPSK

1

49

22.71

22.86

22.84

20

QPSK

1

99

22.71

22.86

22.84

20

QPSK

50

24

22.09

22.08

22.00

20

QPSK

50

24

21.09

22.00

21.94

20

QPSK

50

50

22.03

21.96

22.02

20

QPSK

100

50

22.03

21.96

22.02

20

QPSK

1

0

21.66

21.73

21.63

20

QPSK

1

49

21.68

21.70

21.68

20

QPSK

1

99

21.68

21.70

21.68

20

QPSK

50

24

21.04

21.08

21.04

20

QPSK

50

24

21.02

21.09

21.02

20

QPSK

50

50

21.02

21.09

21.02

20

QPSK

100

50

21.02

21.09

21.02

20

QPSK

1

0

21.02

21.07

20.98

20

QPSK

1

49

21.02

21.07

20.98

20

QPSK

1

99

21.02

21.07

20.98

20

QPSK

50

24

20.92

21.08

20.86

20

QPSK

50

24

20.92

21.08

20.86

20

QPSK

50

50

20.92

21.08

20.86

20

QPSK

100

50

20.92

21.08

20.86

20

QPSK

1

0

17.06

17.04

17.03

20

QPSK

1

49

17.06

17.04

17.03

20

QPSK

1

99

17.06

17.04

17.03

20

QPSK

50

24

17.04

17.00

17.03

20

QPSK

50

24

17.06

17.00

17.03

20

QPSK

50

50

17.06

17.00

17.03

20

QPSK

100

50

17.06

17.00

17.03

Channel

Frequency (MHz)

20

QPSK

1

0

22.98

23.04

23.03

20

QPSK

1

49

22.99

23.01

22.99

20

QPSK

1

99

22.99

23.04

22.99

20

QPSK

50

24

22.75

22.79

22.84

20

QPSK

50

24

22.84

22.85

22.85

20

QPSK

50

50

22.85

22.86

22.86

20

QPSK

100

50

22.78

22.88

22.86

20

QPSK

1

0

22.85

22.92

22.87

20

QPSK

1

49

22.87

22.92

22.88

20

QPSK

1

99

22.87

22.92

22.88

20

QPSK

50

24

22.01

22.05

22.07

20

QPSK

50

24

21.07

21.08

22.03

20

QPSK

50

50

22.01

22.02

22.03

20

QPSK

100

50

22.01

22.02

22.03

20

QPSK

1

0

21.65

21.73

21.61

20

QPSK

1

49

21.61

21.79

21.68

20

QPSK

1

99

21.61

21.79

21.68

20

QPSK

50

24

21.08

21.68

21.67

20

QPSK

50

24

21.03

21.12

20.98

20

QPSK

50

50

21.03

21.09

21.02

20

QPSK

100

50

21.03

21.09

21.02

20

QPSK

1

0

21.03

21.08

21.03

20

QPSK

1

49

21.03

21.08

21.03

20

QPSK

1

99

21.03

21.08

21.03

20

QPSK

50

24

20.93

21.05

20.98

20

QPSK

50

24

20.93

21.05

20.98

20

QPSK

50

50

20.93

21.05

20.98

20

QPSK

100

50

20.93

21.05

20.98

20

QPSK

1

0

17.03

17.00

17.04

20

QPSK

1

49

17.03

17.00

17.04

20

QPSK

1

99

17.03

17.00

17.04

20

QPSK

50

24

17.03

17.00

17.04

20

QPSK

50

24

17.03

17.00

17.04

20

QPSK

50

50

17.03

17.00

17.04

20

QPSK

100

50

17.03

17.00

17.04

Channel

Frequency (MHz)

20

QPSK

1

0

22.97

23.03

22.99

20

QPSK

1

49

22.97

23.03

22.99

20

QPSK

1

99

22.97

23.03

22.99

20

QPSK

50

24

22.77

22.80

22.80

20

QPSK

50

24

22.84

22.84

22.84

20

QPSK

50

50

22.84

22.84

22.84

20

QPSK

100

50

22.78

22.82

22.86

20

QPSK

1

0

22.70

22.82

22.87

20

QPSK

1

49

22.71

22.82

22.87

20

QPSK

1

99

22.71

22.82

22.87

20

QPSK

50

24

22.09

22.08

22.00

20

QPSK

50

24

21.09

22.00

21.94

20

QPSK

50

50

22.03

21.96

22.02

20

QPSK

100

50

22.03

21.96

22.02

20

QPSK

1

0

21.66

21.71

21.73

20

QPSK

1

49

21.67

21.72

21.68

20

QPSK

1

99

21.67

21.72

21.68

20

QPSK

50

24

21.04

21.08

21.04

20

QPSK

50

24

21.02

21.09

21.02

20

QPSK

50

50

21.02

21.09

21.02

20

QPSK

100

50

21.02

21.09

21.02

20

QPSK

1

0

21.02

21.07

20.98

20

QPSK

1

49

21.02

21.07

20.98

20

QPSK

1

99

21.02

21.07

20.98

20

QPSK

50

24

20.92

21.08

20.86

20

QPSK

50

24

20.92

21.08

20.86

20

QPSK

50

50

20.92

21.08

20.86

20

QPSK

100

50

20.92

21.08

20.86

20

QPSK

1

0

17.06

17.00

17.03

20

QPSK

1

49

17.06

17.00

17.03

20

QPSK

1

99

17.06

17.00

17.03

20

QPSK

50

24

17.04

17.00

17.03

20

QPSK

50

24

17.06

17.00

17.03

20

QPSK

50

50

17.06

17.00

17.03

20

QPSK

100

50

17.06

17.00

17.03

Channel

Frequency (MHz)

20

QPSK

1

0

23.00

23.00

23.02

20

QPSK

1

49

23.01

23.00

23.00

20

QPSK

1

99

23.01

23.04

22.99

20

QPSK

50

24

22.77

22.67

22.67

20

QPSK

50

24

22.83

22.83

22.83

</



Band 4_Ant 6										
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch (Frac)	Power Med Ch (Frac)	Power High Ch (Frac)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.20	17.25	17.40				
20	QPSK	1	48	16.61	16.73	16.84	17.8	0		
20	QPSK	1	96	16.56	16.58	16.60				
20	QPSK	50	0	16.52	16.70	16.81				
20	QPSK	50	24	16.59	16.62	16.64	17.8	0		
20	QPSK	50	48	16.52	16.69	16.79				
20	QPSK	100	0	16.68	16.67	16.52				
20	HQAM	1	0	16.68	16.68	16.48	17.8	0		
20	HQAM	1	48	16.59	16.58	16.48				
20	HQAM	1	96	16.59	16.59	16.59				
20	HQAM	50	0	16.63	16.62	16.63				
20	HQAM	50	24	16.54	16.65	16.65	17.8	0		
20	HQAM	50	48	16.56	16.60	16.60				
20	HQAM	100	0	16.56	16.59	16.52				
20	HQAM	1	0	16.65	16.62	16.54	17.8	0		
20	HQAM	1	48	16.57	16.54	16.47				
20	HQAM	1	96	16.62	16.62	16.62				
20	HQAM	50	0	16.63	16.59	16.63	17.8	0		
20	HQAM	50	24	16.54	16.61	16.61				
20	HQAM	50	48	16.56	16.60	16.60				
20	HQAM	100	0	16.59	16.71	16.52				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.15	17.20	17.47.5				
15	QPSK	1	37	16.61	16.81	16.84	17.8	0		
15	QPSK	1	74	16.61	16.84	16.84				
15	QPSK	36	0	16.62	16.87	16.86				
15	QPSK	36	20	16.63	16.89	16.83	17.8	0		
15	QPSK	36	40	16.62	16.89	16.86				
15	QPSK	75	0	16.69	16.84	16.48				
15	HQAM	1	0	16.68	16.84	16.47				
15	HQAM	1	37	16.61	16.54	16.38	17.8	0		
15	HQAM	1	74	16.67	16.89	16.89				
15	HQAM	36	0	16.66	16.83	16.49				
15	HQAM	36	20	16.67	16.91	16.81	17.8	0		
15	HQAM	36	40	16.66	16.92	16.81				
15	HQAM	75	0	16.92	16.82	16.49				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.85	16.80				
15	HQAM	36	0	16.92	16.83	16.48				
15	HQAM	36	20	16.92	16.94	16.86	17.8	0		
15	HQAM	36	40	16.92	16.93	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
15	HQAM	1	37	16.92	16.84	16.52	17.8	0		
15	HQAM	1	74	16.92	16.87	16.82				
15	HQAM	36	0	16.92	16.87	16.49				
15	HQAM	36	20	16.92	16.90	16.86	17.8	0		
15	HQAM	36	40	16.92	16.91	16.86				
15	HQAM	75	0	16.92	16.83	16.50				
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Band 5_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-on time (dBm)	MTR (dB)	Ch. Data	P & S		
Channel				20.940	20.952	20.960						
Frequency (MHz)				82.5	80.5	84.5						
10	QPSK	1	0	17.18	17.18	17.18						
10	QPSK	1	25	17.18	17.18	17.06	17.6	0	0.22			
10	QPSK	1	49	17.11	17.19	17.13						
10	QPSK	25	0	17.14	17.22	17.15						
10	QPSK	25	12	17.07	17.15	17.15			0	0.16		
10	QPSK	25	25	17.09	17.18	17.08						
10	QPSK	50	0	17.06	17.18	17.18						
10	16QAM	1	0	17.13	17.18	17.05			0	0.15		
10	16QAM	1	25	17.13	17.18	17.05	17.6	0				
10	16QAM	25	0	17.18	17.25	17.09						
10	16QAM	25	12	17.04	17.15	17.12			0	0.21		
10	16QAM	25	25	17.11	17.18	17.12						
10	16QAM	50	0	17.10	17.18	17.05						
10	16QAM	50	0	17.10	17.18	17.05						
10	16QAM	1	25	17.04	17.25	17.05	17.6	0	0.22			
10	16QAM	1	49	17.17	17.26	17.07						
10	16QAM	25	0	17.10	17.15	17.13						
10	16QAM	25	12	17.05	17.18	17.12	17.6	0	0.14			
10	16QAM	25	25	17.18	17.20	17.09						
10	16QAM	50	0	17.09	17.20	17.09						
10	256QAM	1	0	17.13	17.21	17.18						
10	256QAM	1	25	17.05	17.25	17.05	17.6	0	0.22			
10	256QAM	1	49	17.14	17.24	17.14						
10	256QAM	25	0	17.05	17.27	17.04						
10	256QAM	25	12	17.05	17.27	17.13			0	0.23		
10	256QAM	25	25	17.05	17.27	17.08						
10	256QAM	50	0	17.17	17.27	17.08						
Channel				20.940	20.952	20.960	Turn-on time (dBm)	MTR (dB)	Ch. Data	P & S		
Frequency (MHz)				82.5	80.5	84.5						
5	QPSK	1	0	17.04	17.28	17.10						
5	QPSK	1	12	17.03	17.11	17.02			0	0.30		
5	QPSK	1	24	16.96	17.15	17.03						
5	QPSK	12	0	17.03	17.18	17.11						
5	QPSK	12	7	17.00	17.08	16.97			0	0.19		
5	QPSK	12	13	17.02	17.07	17.04						
5	QPSK	25	0	17.02	17.09	17.05						
5	16QAM	1	0	17.00	17.12	17.03			0	0.20		
5	16QAM	1	12	17.02	17.06	17.14	17.6	0				
5	16QAM	1	24	16.94	17.14	17.05						
5	16QAM	12	0	17.03	17.12	17.00			0	0.12		
5	16QAM	12	7	17.01	17.01	17.04						
5	16QAM	12	13	17.03	17.03	17.03						
5	16QAM	25	0	17.04	17.07	17.04						
5	16QAM	25	7	17.00	17.14	17.15						
5	16QAM	1	12	17.00	17.10	16.94			0	0.22		
5	16QAM	1	24	17.00	17.12	17.06						
5	16QAM	12	0	17.00	17.12	17.07						
5	16QAM	12	7	17.15	17.21	16.97			0	0.24		
5	16QAM	12	13	17.12	17.17	17.07						
5	16QAM	25	0	17.03	17.14	17.08						
5	256QAM	1	0	16.98	17.22	16.96						
5	256QAM	1	12	16.96	17.21	17.08			0	0.32		
5	256QAM	1	24	16.96	17.21	17.05						
5	256QAM	12	0	16.92	17.13	16.93						
5	256QAM	12	7	16.94	17.17	17.05						
5	256QAM	12	13	17.01	17.15	17.04			0	0.25		
5	256QAM	25	0	17.11	17.17	17.05						
Channel				20.940	20.952	20.960	Turn-on time (dBm)	MTR (dB)	Ch. Data	P & S		
Frequency (MHz)				82.5	80.5	84.5						
3	QPSK	1	0	17.15	17.18	17.10						
3	QPSK	1	8	17.08	17.12	16.97			0	0.21		
3	QPSK	1	14	17.10	17.05	17.06						
3	QPSK	8	0	17.05	17.17	17.08						
3	QPSK	8	4	16.94	17.10	17.03	17.6	0	0.23			
3	QPSK	8	7	17.05	17.11	17.04						
3	QPSK	16	0	17.02	17.18	17.17						
3	16QAM	1	0	17.12	17.05	17.03			0	0.18		
3	16QAM	1	8	17.06	17.13	17.12						
3	16QAM	1	14	16.96	17.14	17.05						
3	16QAM	8	0	17.04	17.22	16.99						
3	16QAM	8	4	16.98	17.01	17.10	17.6	0	0.29			
3	16QAM	8	7	17.00	17.13	17.04						
3	16QAM	15	0	16.95	17.15	16.93						
3	16QAM	1	0	17.06	17.15	17.06						
3	16QAM	1	8	17.00	17.13	16.98	17.6	0	0.23			
3	16QAM	1	14	17.15	17.21	17.04						
3	16QAM	8	0	16.98	17.13	17.05						
3	16QAM	8	4	17.05	17.21	17.00			0	0.23		
3	16QAM	8	7	17.15	17.15	17.06						
3	16QAM	15	0	17.04	17.08	17.00						
3	256QAM	1	0	17.07	17.20	17.05						
3	256QAM	1	8	16.99	17.25	16.95			0	0.27		
3	256QAM	1	14	17.08	17.10	17.05						
3	256QAM	8	0	16.95	17.22	17.03						
3	256QAM	8	4	17.04	17.10	17.07			0	0.30		
3	256QAM	8	7	17.05	17.22	17.04						
3	256QAM	15	0	17.14	17.18	16.96						
Channel				20.940	20.952	20.960	Turn-on time (dBm)	MTR (dB)	Ch. Data	P & S		
Frequency (MHz)				82.47	80.5	84.3						
1.4	QPSK	1	0	17.11	17.13	17.10						
1.4	QPSK	1	3	17.15	17.07	17.01						
1.4	QPSK	1	5	16.95	17.15	17.03						
1.4	QPSK	3	0	17.09	17.09	17.09						
1.4	QPSK	3	1	17.05	17.01	17.00			0	0.19		
1.4	QPSK	3	11	17.05	17.08	17.05						
1.4	QPSK	6	0	16.94	17.09	17.17	17.6	0	0.23			
1.4	16QAM	1	0	17.02	17.17	16.98						
1.4	16QAM	1	5	16.97	17.18	17.09						
1.4	16QAM	3	0	17.15	17.10	16.94			0	0.24		
1.4	16QAM	3	5	16.97	17.00	17.07						
1.4	16QAM	3	9	17.00	17.09	17.00						
1.4	16QAM	6	0	16.97	17.10	16.94	17.6	0	0.16			
1.4	16QAM	6	0	16.96	17.12	17.07						
1.4	16QAM	1	3	16.99	17.20	16.94						
1.4	16QAM	1	5	17.08	17.21	16.97	17.6	0	0.27			
1.4	16QAM	3	0	17.08	17.12	17.09						
1.4	16QAM	3	5	17.02	17.08	17.08			0	0.06		
1.4	256QAM	1	0	17.13	17.21	17.12						
1.4	256QAM	1	3	16.92	17.26	17.03						
1.4	256QAM	1	5	17.04	17.21	17.03	17.6	0	0.34			
1.4	256QAM	3	0	17.04	17.15	17.08						
1.4	256QAM	3	1	16.96	17.15	17.08						
1.4	256QAM	3	3	16.93	17.21	17.01	17.6	0	0.24			

Band 7_Ant 7									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MFR (dB)	
Channel									
Frequency (MHz)				20950	21000	21050			
30	QPSK	1	0	14.50	14.50	14.50			
20	QPSK	1	40	14.34	14.44	14.33	15.4	0	
10	QPSK	1	80	14.43	14.44	14.28			
0	QPSK	50	0	14.36	14.35	14.26			
20	QPSK	50	24	14.35	14.40	14.28	15.4	0	
30	QPSK	50	50	14.35	14.40	14.28			
20	16QAM	1	0	14.36	14.39	14.30			
20	16QAM	1	40	14.43	14.40	14.27	15.4	0	
20	16QAM	1	80	14.38	14.38	14.26			
20	16QAM	50	0	14.41	14.44	14.36			
20	16QAM	50	24	14.45	14.44	14.32	15.4	0	
20	16QAM	50	50	14.33	14.45	14.35			
20	16QAM	100	0	14.38	14.37	14.34			
20	16QAM	1	0	14.43	14.43	14.30			
20	16QAM	1	40	14.40	14.40	14.26	15.4	0	
20	16QAM	50	0	14.33	14.38	14.32			
20	16QAM	50	24	14.45	14.33	14.37	15.4	0	
20	16QAM	50	50	14.33	14.36	14.30			
20	16QAM	100	0	14.45	14.30	14.30			
20	256QAM	1	0	14.43	14.44	14.30	15.4	0	
20	256QAM	1	40	14.36	14.36	14.31			
20	256QAM	1	80	14.45	14.38	14.40			
20	256QAM	50	0	14.35	14.46	14.30			
20	256QAM	50	24	14.35	14.47	14.37	15.4	0	
20	256QAM	50	50	14.35	14.36	14.31			
20	256QAM	100	0	14.37	14.39	14.38			
Channel									
Frequency (MHz)				2097.5	2100	2102.5	Tune-Up [mHz]	MFR (dB)	
				2097.5	2095	2097.5			
15	QPSK	1	0	14.30	14.37	14.29	15.4	0	
15	QPSK	1	37	14.35	14.31	14.27			
15	QPSK	1	74	14.30	14.39	14.18			
15	QPSK	36	0	14.38	14.41	14.32	15.4	0	
15	QPSK	36	20	14.35	14.28	14.13			
15	QPSK	36	36	14.25	14.38	14.13			
15	QPSK	75	0	14.24	14.33	14.14			
15	16QAM	1	0	14.30	14.34	14.19	15.4	0	
15	16QAM	1	37	14.38	14.38	14.23			
15	16QAM	1	74	14.32	14.33	14.17			
15	16QAM	36	0	14.33	14.30	14.33	15.4	0	
15	16QAM	36	20	14.33	14.30	14.21			
15	16QAM	36	36	14.26	14.32	14.24			
15	16QAM	75	0	14.30	14.32	14.32			
15	16QAM	1	0	14.30	14.33	14.35			
15	16QAM	1	37	14.34	14.39	14.21	15.4	0	
15	16QAM	1	74	14.22	14.36	14.21			
15	16QAM	36	0	14.27	14.32	14.25			
15	16QAM	36	20	14.32	14.32	14.34	15.4	0	
15	16QAM	36	36	14.24	14.32	14.36			
15	16QAM	75	0	14.42	14.37	14.18			
15	256QAM	1	0	14.31	14.29	14.15	15.4	0	
15	256QAM	1	37	14.27	14.36	14.18			
15	256QAM	1	74	14.44	14.29	14.36			
15	256QAM	36	0	14.29	14.31	14.15	15.4	0	
15	256QAM	36	20	14.29	14.42	14.35			
15	256QAM	36	36	14.25	14.26	14.19			
15	256QAM	75	0	14.25	14.22	14.31			
Channel									
Frequency (MHz)				20995	21000	21005	Tune-Up [mHz]	MFR (dB)	
				20995	20995	20995			
10	QPSK	1	0	14.34	14.42	14.40			
10	QPSK	1	25	14.34	14.39	14.29			
10	QPSK	1	40	14.33	14.38	14.26			
10	QPSK	25	0	14.37	14.34	14.29	15.4	0	
10	QPSK	25	12	14.38	14.33	14.15			
10	QPSK	25	25	14.27	14.38	14.25			
10	QPSK	50	0	14.30	14.41	14.24			
10	16QAM	1	0	14.32	14.24	14.28	15.4	0	
10	16QAM	1	25	14.31	14.38	14.20			
10	16QAM	1	40	14.28	14.38	14.22			
10	16QAM	25	0	14.34	14.41	14.31			
10	16QAM	25	12	14.39	14.37	14.30	15.4	0	
10	16QAM	25	25	14.29	14.34	14.31			
10	16QAM	50	0	14.22	14.34	14.30			
10	16QAM	1	0	14.31	14.37	14.32			
10	16QAM	1	25	14.32	14.29	14.21	15.4	0	
10	16QAM	1	40	14.32	14.26	14.21			
10	16QAM	25	0	14.27	14.31	14.20			
10	16QAM	25	12	14.32	14.19	14.33	15.4	0	
10	16QAM	25	25	14.28	14.33	14.31			
10	16QAM	50	0	14.38	14.28	14.17			
10	256QAM	1	0	14.34	14.39	14.18	15.4	0	
10	256QAM	1	25	14.34	14.26	14.24			
10	256QAM	1	40	14.30	14.29	14.37			
10	256QAM	25	0	14.30	14.32	14.25	15.4	0	
10	256QAM	25	12	14.29	14.24	14.22			
10	256QAM	25	25	14.22	14.32	14.18			
10	256QAM	50	0	14.35	14.28	14.28			
Channel									
Frequency (MHz)				20977.5	21000	21022.5	Tune-Up [mHz]	MFR (dB)	
				20977.5	20975	20977.5			
5	QPSK	1	0	14.35	14.46	14.31	15.4	0	
5	QPSK	1	12	14.36	14.35	14.21			
5	QPSK	1	24	14.42	14.31	14.23			
5	QPSK	12	0	14.30	14.33	14.31	15.4	0	
5	QPSK	12	7	14.31	14.28	14.18			
5	QPSK	12	13	14.31	14.30	14.22			
5	QPSK	25	0	14.28	14.30	14.30	15.4	0	
5	16QAM	1	0	14.34	14.32	14.16			
5	16QAM	1	12	14.38	14.25	14.12			
5	16QAM	1	24	14.28	14.34	14.18			
5	16QAM	12	0	14.39	14.38	14.23	15.4	0	
5	16QAM	12	7	14.34	14.40	14.23			
5	16QAM	12	13	14.21	14.40	14.22			
5	16QAM	25	0	14.21	14.30	14.21			
5	16QAM	1	0	14.28	14.29	14.25	15.4	0	
5	16QAM	1	12	14.39	14.26	14.20			
5	16QAM	1	24	14.24	14.30	14.16			
5	16QAM	12	0	14.31	14.34	14.24			
5	16QAM	12	7	14.31	14.24	14.36	15.4	0	
5	16QAM	25	0	14.38	14.30	14.27			
5	256QAM	1	0	14.42	14.30	14.17	15.4	0	
5	256QAM	1	12	14.38	14.29	14.19			
5	256QAM	1	24	14.38	14.22	14.36			
5	256QAM	12	0	14.26	14.38	14.25	15.4	0	
5	256QAM	12	7	14.29	14.25	14.24			
5	256QAM	12	13	14.32	14.28	14.18			
5	256QAM	25	0	14.25	14.22	14.28			

Band 12_Ant 1									
RF [MHz]	Modulation	RB [MHz]	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MFR (dB)	
Channel				20005	20005	20101			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.04	23.11	23.01			
10	QPSK	1	25	22.96	23.06	22.92	23.8	0	
10	QPSK	1	40	23.01	23.08	23.00			
10	QPSK	25	0	22.83	22.90	22.75			
10	QPSK	25	12	22.49	22.60	22.49	23.8	0	
10	QPSK	25	25	22.67	22.65	22.60			
10	QPSK	50	0	22.77	22.85	22.76			
10	16QAM	1	0	22.84	22.86	22.87	23.8	0	
10	16QAM	1	25	22.79	22.92	22.78			
10	16QAM	1	40	22.93	23.03	22.89			
10	16QAM	25	0	22.69	22.13	21.96			
10	16QAM	25	12	22.69	22.65	22.60	22.8	1	
10	16QAM	25	25	22.61	22.64	21.97			
10	16QAM	50	0	21.95	22.61	22.60			
10	16QAM	1	0	21.71	21.74	21.64			
10	16QAM	1	25	21.75	21.82	21.75	22.8	1	
10	16QAM	1	40	21.88	21.81	21.88			
10	16QAM	25	0	20.98	21.09	20.99			
10	16QAM	25	12	20.93	21.08	21.06	21.8	2	
10	16QAM	25	25	21.02	21.11	21.04			
10	16QAM	50	0	21.01	21.07	20.97			
10	256QAM	1	0	18.09	18.10	17.99			
10	256QAM	1	25	18.09	18.02	18.00	18.8	5	
10	256QAM	1	40	17.95	18.06	17.93			
10	256QAM	25	0	17.92	18.10	17.97			
10	256QAM	25	25	17.99	18.11	18.07			
10	256QAM	50	0	17.87	17.98	17.90			
Channel				20005	20005	20101	Tune-up (dBm)	MFR (dB)	
Frequency (MHz)				705.5 <th>707.5</th> <th>713.5</th> <th></th> <th></th> <th></th>	707.5	713.5			
10	QPSK	1	0	23.04	23.11	23.01			
10	QPSK	1	25	22.97	23.07	22.90	23.8	0	
10	QPSK	1	40	23.06	23.03	23.00			
10	QPSK	25	0	22.83	22.90	22.75			
10	QPSK	25	12	22.49	22.54	22.38	23.8	0	
10	QPSK	25	25	22.67	22.63	22.58			
10	QPSK	50	0	22.72	22.83	22.75			
10	16QAM	1	0	22.82	22.83	22.71	23.8	0	
10	16QAM	1	25	22.78	22.90	22.78			
10	16QAM	1	40	22.91	23.01	22.89			
10	16QAM	25	0	22.61	22.05	21.98			
10	16QAM	25	12	22.61	22.58	22.58	22.8	1	
10	16QAM	25	25	22.61	22.64	21.92			
10	16QAM	50	0	21.94	22.61	22.60			
10	16QAM	1	0	21.69	21.79	21.60			
10	16QAM	1	25	21.73	21.80	21.73	22.8	1	
10	16QAM	1	40	21.86	21.79	21.86			
10	16QAM	25	0	20.93	21.01	20.98			
10	16QAM	25	12	20.93	21.01	20.98	21.8	2	
10	16QAM	25	25	21.03	21.01	20.98			
10	256QAM	1	0	18.09	18.11	17.92			
10	256QAM	1	25	18.08	17.98	17.91	18.8	5	
10	256QAM	1	40	17.95	18.06	17.93			
10	256QAM	25	0	17.92	18.10	17.97			
10	256QAM	25	25	17.98	17.97	18.04			
10	256QAM	50	0	17.87	17.97	17.94			
Channel				20005	20005	20101	Tune-up (dBm)	MFR (dB)	
Frequency (MHz)				706.5 <th>707.5</th> <th>714.5</th> <th></th> <th></th> <th></th>	707.5	714.5			
10	QPSK	1	0	23.04	23.10	23.00			
10	QPSK	1	25	22.95	23.04	22.89	23.8	0	
10	QPSK	1	40	23.07	23.02	23.00			
10	QPSK	25	0	22.83	22.90	22.75			
10	QPSK	25	12	22.48	22.53	22.35	23.8	0	
10	QPSK	25	25	22.65	22.63	22.55			
10	QPSK	50	0	22.74	22.82	22.70			
10	16QAM	1	0	22.84	22.82	22.80	23.8	0	
10	16QAM	1	25	22.79	22.90	22.79			
10	16QAM	1	40	22.91	23.01	22.89			
10	16QAM	25	0	22.62	22.06	21.99			
10	16QAM	25	12	22.62	22.59	22.59	22.8	1	
10	16QAM	25	25	22.62	22.65	21.93			
10	16QAM	50	0	21.94	22.61	22.60			
10	16QAM	1	0	21.63	21.68	21.61			
10	16QAM	1	25	21.67	21.74	21.67	22.8	1	
10	16QAM	1	40	21.79	21.73	21.77			
10	16QAM	25	0	20.95	20.97	20.89			
10	16QAM	25	12	20.95	20.98	20.91	21.8	2	
10	16QAM	25	25	21.05	21.02	20.95			
10	16QAM	50	0	21.01	21.02	20.90			
10	256QAM	1	0	18.01	18.07	17.97			
10	256QAM	1	25	18.01	17.94	17.88	18.8	5	
10	256QAM	1	40	17.95	18.06	17.93			
10	256QAM	25	0	17.93	18.00	17.96			
10	256QAM	25	25	17.91	18.05	17.97			
10	256QAM	50	0	17.79	17.98	17.91			
Channel				20017	20005	20103	Tune-up (dBm)	MFR (dB)	
Frequency (MHz)				699.7	707.5	716.3			
14	QPSK	1	0	22.95	22.98	22.88			
14	QPSK	1	3	22.91	23.01	22.79	23.8	0	
14	QPSK	1	6	22.90	23.01	22.99			
14	QPSK	3	0	22.76	22.75	22.70			
14	QPSK	3	3	22.73	22.96	22.40	23.8	0	
14	QPSK	3	6	22.44	22.47	22.53			
14	QPSK	6	0	22.73	22.74	22.76			
14	16QAM	1	0	22.73	22.84	22.72	23.8	0	
14	16QAM	1	3	22.66	22.80	22.70			
14	16QAM	1	6	22.80	22.91	22.79			
14	16QAM	3	0	22.58	22.78	22.58	23.8	0	
14	16QAM	3	3	22.55	22.68	22.67			
14	16QAM	3	6	22.55	22.78	22.70			
14	16QAM	6	0	21.95	21.99	21.96	22.8	1	
14	16QAM	1	0	21.61	21.72	21.57			
14	16QAM	1	3	21.65	21.77	21.61	22.8	1	
14	16QAM	1	6	21.65	21.73	21.77			
14	16QAM	3	0	21.46	21.63	21.42			
14	16QAM	3	3	21.46	21.63	21.53	21.8	2	
14	16QAM	3	6	21.53	21.67	21.44			
14	16QAM	6	0	20.93	20.96	20.93	21.8	2	
14	256QAM	1	0	17.92	18.02	17.92			
14	256QAM	1	3	17.92	18.07	17.90	18.8	5	
14	256QAM	1	6	17.85	18.02	17.88			
14	256QAM	3	0	17.85	18.02	17.88			

Band 12_Ant 0										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up int (dB)	MFR (dB)		
Channel										
Frequency (MHz)				20606	20605	21310				
				704	707.9	711				
10	QPSK	1	0	18.35	18.47	18.38	19.1	0		
10	QPSK	1	25	18.21	18.41	18.28				
10	QPSK	1	49	18.21	18.33	18.29				
10	QPSK	25	0	18.35	18.43	18.34				
10	QPSK	25	12	18.21	18.33	18.29				
10	QPSK	25	25	18.27	18.34	18.27	19.1	0		
10	QPSK	50	0	18.24	18.41	18.31				
10	HQAM	1	0	18.22	18.40	18.28				
10	HQAM	1	25	18.25	18.37	18.24				
10	HQAM	1	49	18.26	18.32	18.35				
10	HQAM	25	0	18.18	18.34	18.26	19.1	0		
10	HQAM	25	12	18.27	18.35	18.21				
10	HQAM	25	25	18.20	18.36	18.33				
10	HQAM	50	0	18.23	18.46	18.25				
10	HQAM	50	1	18.29	18.32	18.30				
10	HQAM	1	25	18.17	18.43	18.33	19.1	0		
10	HQAM	1	49	18.23	18.41	18.22				
10	HQAM	25	0	18.30	18.43	18.35				
10	HQAM	25	12	18.20	18.39	18.25				
10	HQAM	25	25	18.22	18.36	18.28				
10	HQAM	50	0	18.17	18.40	18.30	18.4	0.7		
10	HQAM	50	1	17.71	17.76	17.63				
10	HQAM	1	25	17.94	17.70	17.67				
10	HQAM	1	49	17.81	17.75	17.69				
10	HQAM	25	0	17.59	17.74	17.64				
10	HQAM	25	12	17.68	17.69	17.64	18.4	0.7		
10	HQAM	25	25	17.59	17.70	17.63				
10	HQAM	50	0	17.61	17.67	17.63				
Channel										
Frequency (MHz)				20605	20606	21310	Time-up int (dB)	MFR (dB)		
				705.1 <th>707.9<th>713.5<th></th><th></th><th colspan="2"></th></th></th>	707.9 <th>713.5<th></th><th></th><th colspan="2"></th></th>	713.5 <th></th> <th></th> <th colspan="2"></th>				
5	QPSK	1	0	18.33	18.46	18.27	19.1	0		
5	QPSK	1	12	18.12	18.34	18.21				
5	QPSK	1	24	18.22	18.25	18.23				
5	QPSK	12	0	18.21	18.36	18.24				
5	QPSK	12	7	18.09	18.21	18.20				
5	QPSK	12	13	18.24	18.27	18.15	19.1	0		
5	QPSK	25	0	18.20	18.36	18.17				
5	HQAM	1	0	18.12	18.37	18.19				
5	HQAM	1	12	18.24	18.35	18.13				
5	HQAM	1	24	18.24	18.17	18.25				
5	HQAM	12	0	18.11	18.27	18.12	19.1	0		
5	HQAM	12	7	18.24	18.34	18.15				
5	HQAM	12	13	18.11	18.28	18.27				
5	HQAM	25	0	18.22	18.41	18.17				
5	HQAM	25	1	17.69	17.61	17.55				
5	HQAM	1	24	18.20	18.32	18.10	19.1	0		
5	HQAM	1	12	18.23	18.32	18.10				
5	HQAM	12	0	18.23	18.32	18.10				
5	HQAM	12	7	18.10	18.24	18.11				
5	HQAM	12	13	18.21	18.30	18.21				
5	HQAM	25	0	18.21	18.30	18.21	19.1	0		
5	HQAM	25	0	18.21	18.30	18.21				
5	HQAM	25	0	18.21	18.30	18.21				
5	HQAM	25	0	18.21	18.30	18.21				
5	HQAM	25	0	18.21	18.30	18.21				
5	HQAM	1	0	17.69	17.61	17.55	18.4	0.7		
5	HQAM	1	24	17.46	17.66	17.66				
5	HQAM	12	0	17.53	17.69	17.56				
5	HQAM	12	7	17.67	17.69	17.64				
5	HQAM	12	13	17.47	17.59	17.51				
5	HQAM	25	0	17.48	17.64	17.62	18.4	0.7		
Channel										
Frequency (MHz)				20605	20606	21310	Time-up int (dB)	MFR (dB)		
				705.1 <th>707.9<th>713.5<th></th><th></th><th colspan="2"></th></th></th>	707.9 <th>713.5<th></th><th></th><th colspan="2"></th></th>	713.5 <th></th> <th></th> <th colspan="2"></th>				
3	QPSK	1	0	18.30	18.40	18.36	19.1	0		
3	QPSK	1	3	18.18	18.28	18.25				
3	QPSK	1	14	18.11	18.19	18.17				
3	QPSK	6	0	18.24	18.41	18.31				
3	QPSK	6	1	18.19	18.19	18.24				
3	QPSK	8	0	18.20	18.30	18.19	19.1	0		
3	QPSK	8	7	18.12	18.33	18.15				
3	QPSK	15	0	18.26	18.36	18.26				
3	HQAM	1	0	18.19	18.37	18.27				
3	HQAM	1	8	18.24	18.24	18.14				
3	HQAM	1	8	18.24	18.24	18.14	19.1	0		
3	HQAM	8	0	18.14	18.31	18.14				
3	HQAM	8	4	18.19	18.28	18.08				
3	HQAM	15	0	18.30	18.33	18.23				
3	HQAM	15	0	18.11	18.43	18.24				
3	HQAM	1	8	18.20	18.19	18.22	19.1	0		
3	HQAM	1	14	18.14	18.36	18.10				
3	HQAM	8	0	18.25	18.40	18.33				
3	HQAM	8	4	18.28	18.29	18.23				
3	HQAM	8	7	18.23	18.33	18.16				
3	HQAM	15	0	18.12	18.33	18.16	19.1	0		
3	HQAM	15	0	18.12	18.33	18.16				
3	HQAM	15	0	18.12	18.33	18.16				
3	HQAM	15	0	18.12	18.33	18.16				
3	HQAM	15	0	18.12	18.33	18.16				
3	HQAM	8	0	18.16	17.62	17.62	18.4	0.7		
3	HQAM	8	1	17.47	17.64	17.62				
3	HQAM	15	0	17.54	17.64	17.56				
3	HQAM	15	0	17.54	17.66	17.58				
3	HQAM	15	0	17.54	17.67	17.58				
3	HQAM	8	7	17.47	17.67	17.56	18.4	0.7		
3	HQAM	8	7	17.47	17.67	17.56				
3	HQAM	8	7	17.47	17.67	17.56				
3	HQAM	8	7	17.47	17.67	17.56				
3	HQAM	8	7	17.47	17.67	17.56				
1.4	QPSK	1	0	18.30	18.40	18.36	19.1	0		
1.4	QPSK	1	3	18.18	18.28	18.25				
1.4	QPSK	1	14	18.11	18.19	18.17				
1.4	QPSK	3	0	18.24	18.41	18.31				
1.4	QPSK	3	1	18.19	18.19	18.24				
1.4	QPSK	1	0	18.24	18.33	18.13	19.1	0		
1.4	QPSK	6	0	18.19	18.36	18.17				
1.4	HQAM	1	0	18.20	18.30	18.21				
1.4	HQAM	1	3	18.15	18.32	18.17				
1.4	HQAM	1	5	18.21	18.19	18.22				
1.4	HQAM	1	0	18.04	18.22	18.21	19.1	0		
1.4	HQAM	3	0	18.24	18.41	18.06				
1.4	HQAM	3	1	18.10	18.29	18.29				
1.4	HQAM	6	0	18.20	18.43	18.14				
1.4	HQAM	6	0	18.19	18.21	18.20				
1.4	HQAM	1	3	18.09	18.29	18.27	19.1	0		
1.4	HQAM	1	5	18.21	18.30	18.19				
1.4	HQAM	3	0	18.20	18.36	18.34				
1.4	HQAM	3	1	18.22	18.29	18.20				
1.4	HQAM	6	0	18.17	18.31	18.21				
1.4	HQAM	1	0	18.06	18.37	18.17	19.1	0		
1.4	HQAM	1	0	17.59	17.72	17.49				
1.4	HQAM	1	5	17.53	17.67	17.62				
1.4	HQAM	3	0	17.50	17.63	17.58				
1.4	HQAM	3	0	17.50	17.72	17.59				
1.4	HQAM	3	0	17.43	17.57	17.46	18.4	0.7		
1.4	HQAM	3	3	17.44	17.62	17.59				
1.4	HQAM	6	5	17.51	17.69	17.58				
Channel										
Frequency (MHz)				20607	20606	21373	Time-up int (dB)	MFR (dB)		
				699.7 <th>700.5<th>715.3<th></th><th></th><th colspan="2"></th></th></th>	700.5 <th>715.3<th></th><th></th><th colspan="2"></th></th>	715.3 <th></th> <th></th> <th colspan="2"></th>				

Band 13_Ant 1										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up (ms)	MFR (dB)		
Channel										
Frequency (MHz)							723.5			
10	QPSK	1	0		23.00		23.8	0		
10	QPSK	1	25		22.94					
10	QPSK	1	49		22.93					
10	QPSK	25	0		22.93					
10	QPSK	25	12		22.73					
10	QPSK	25	25		22.72		23.8	0		
10	QPSK	50	0		22.85					
10	HQAM	1	0		22.88					
10	HQAM	1	25		22.80					
10	HQAM	1	49		22.87					
10	HQAM	25	0		22.16		22.8	1		
10	HQAM	25	12		22.11					
10	HQAM	25	25		22.16					
10	HQAM	50	0		22.59					
10	HQAM	50	1		21.74					
10	HQAM	1	25		21.89		22.8	1		
10	HQAM	1	49		21.70					
10	HQAM	25	0		21.05					
10	HQAM	25	12		21.06		21.8	2		
10	HQAM	25	25		21.06					
10	HQAM	50	0		21.86					
10	HQAM	50	1		21.10					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07		22.8	1		
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21		22.8	1		
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92		21.8	2		
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56		21.8	2		
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21		21.8	2		
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27		21.8	2		
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91		21.8	2		
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23		21.8	2		
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89		21.8	2		
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88		21.8	2		
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07		21.8	2		
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21		21.8	2		
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92		21.8	2		
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56		21.8	2		
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21		21.8	2		
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27		21.8	2		
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91		21.8	2		
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23		21.8	2		
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89		21.8	2		
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88		21.8	2		
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07		21.8	2		
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21		21.8	2		
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92		21.8	2		
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56		21.8	2		
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21		21.8	2		
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27		21.8	2		
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91		21.8	2		
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23		21.8	2		
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89		21.8	2		
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88		21.8	2		
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07		21.8	2		
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21		21.8	2		
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92		21.8	2		
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56		21.8	2		
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21		21.8	2		
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27		21.8	2		
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88					
10	HQAM	25	25		20.91		21.8	2		
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07					
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23		21.8	2		
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21					
10	HQAM	50	0		20.89		21.8	2		
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM	25	0		20.92					
10	HQAM	25	12		20.88		21.8	2		
10	HQAM	25	25		20.91					
10	HQAM	50	0		21.56					
10	HQAM	50	1		21.07		21.8	2		
10	HQAM	1	25		21.25					
10	HQAM	1	49		21.07					
10	HQAM	25	0		20.23					
10	HQAM	25	12		20.21					
10	HQAM	25	25		20.21		21.8	2		
10	HQAM	50	0		20.89					
10	HQAM	50	1		20.15					
10	HQAM	1	25		20.30					
10	HQAM	1	49		20.27					
10	HQAM</									

Band 17_Ant 0											
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use (int/dm)	MPR (dB)			
Channel											
Frequency (MHz)											
23560 23560 23600											
726 726 726											
10	QPSK	1	0	19.48	19.54	19.48					
10	QPSK	1	25	19.38	19.43	19.42	20.1	0			
10	QPSK	1	49	19.33	19.51	19.34					
10	QPSK	25	0	19.42	19.51	19.42					
10	QPSK	25	12	19.39	19.41	19.33	20.1	0			
10	QPSK	25	25	19.39	19.43	19.33					
10	QPSK	50	0	19.38	19.47	19.37					
10	HQAM	1	0	19.36	19.53	19.36	20.1	0			
10	HQAM	1	25	19.37	19.51	19.34					
10	HQAM	1	49	19.34	19.50	19.45					
10	HQAM	25	0	19.40	19.43	19.37	20.1	0			
10	HQAM	25	12	19.39	19.43	19.33					
10	HQAM	25	25	19.39	19.47	19.35					
10	HQAM	50	0	19.40	19.47	19.48					
10	HQAM	50	1	19.33	19.42	19.48	20.1	0			
10	HQAM	50	25	19.39	19.49	19.44					
10	HQAM	1	49	19.34	19.41	19.35					
10	HQAM	25	0	19.45	19.52	19.45					
10	HQAM	25	12	19.34	19.41	19.43	20.1	0			
10	HQAM	25	25	19.34	19.49	19.49					
10	HQAM	50	0	19.34	19.53	19.44					
10	SSBDM	1	0	17.74	17.81	17.87					
10	SSBDM	1	25	17.80	17.73	17.76	18.4	1.7			
10	SSBDM	1	49	17.82	17.87	17.86					
10	SSBDM	25	0	17.70	17.78	17.85					
10	SSBDM	25	12	17.70	17.80	17.72	18.4	1.7			
10	SSBDM	25	25	17.68	17.88	17.87					
10	SSBDM	50	0	17.75	17.80	17.74					
Channel											
23565 23565 23590											
726 726 713											
5	QPSK	1	0	19.44	19.52	19.37					
5	QPSK	1	12	19.38	19.35	19.34	20.1	0			
5	QPSK	1	24	19.39	19.41	19.33					
5	QPSK	12	0	19.39	19.41	19.39					
5	QPSK	12	7	19.23	19.32	19.19	20.1	0			
5	QPSK	12	13	19.34	19.39	19.24					
5	QPSK	25	0	19.39	19.36	19.24					
5	HQAM	1	12	19.24	19.45	19.26	20.1	0			
5	HQAM	1	24	19.31	19.38	19.31					
5	HQAM	12	0	19.25	19.30	19.28					
5	HQAM	12	7	19.26	19.33	19.33	20.1	0			
5	HQAM	12	13	19.24	19.35	19.21					
5	HQAM	25	0	19.40	19.45	19.34					
5	HQAM	25	1	19.25	19.27	19.33					
5	HQAM	1	12	19.27	19.36	19.32	20.1	0			
5	SSBDM	1	12	17.80	17.82	17.82					
5	SSBDM	1	25	17.80	17.82	17.82	20.1	0			
5	SSBDM	1	0	17.64	17.72	17.55					
5	SSBDM	1	12	17.65	17.63	17.52	18.4	1.7			
5	SSBDM	1	24	17.67	17.65	17.45					
5	SSBDM	12	0	17.67	17.65	17.54					
5	SSBDM	12	7	17.60	17.72	17.65	18.4	1.7			
5	SSBDM	12	13	17.68	17.61	17.55					
5	SSBDM	25	0	17.67	17.77	17.72					

Band 18_Ant 1											
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use (int/dm)	MPR (dB)			
Channel											
Frequency (MHz)											
722.5											
15	QPSK	1	0	19.49	19.48	19.48					
15	QPSK	1	37	19.43	19.43		25	0			
15	QPSK	1	74	19.44	19.49	19.48					
15	QPSK	36	0	19.47	19.47						
15	QPSK	36	20	19.40	19.40		25	0			
15	QPSK	36	39	19.47	19.43						
15	QPSK	75	0	19.41	19.41						
15	HQAM	1	0	19.48	19.48		25	0			
15	HQAM	1	37	19.45	19.45						
15	HQAM	1	74	19.46	19.46						
15	HQAM	36	0	19.37	19.37						
15	HQAM	36	20	19.31	19.31		24	1			
15	HQAM	36	39	19.34	19.34						
15	HQAM	75	0	19.33	19.33						
15	HQAM	1	0	19.36	19.36						
15	HQAM	1	37	19.32	19.32		24	1			
15	HQAM	1	74	19.42	19.42						
15	HQAM	36	0	19.47	19.47						
15	HQAM	36	20	19.31	19.31		23				
15	HQAM	36	39	19.38	19.38						
15	HQAM	75	0	19.37	19.37						
15	SSBDM	1	0	19.91	19.91						
15	SSBDM	1	37	19.80	19.80		20	5			
15	SSBDM	1	74	19.83	19.79						
15	SSBDM	36	0	19.66	19.66						
15	SSBDM	36	20	19.74	19.74		20	5			
15	SSBDM	36	39	19.85	19.85						
15	SSBDM	75	0	19.73	19.73						
Channel											
72600 23560 23600											
Frequency (MHz)											
15	QPSK	1	0	19.5	19.23	19.50					
15	QPSK	1	25	19.48	19.48	19.48	25	0			
15	QPSK	1	49	19.47	19.47	19.44					
15	QPSK	25	0	19.29	19.29	19.33					
15	QPSK	25	12	19.27	19.33	19.34					
15	QPSK	25	24	19.27	19.33	19.33					
15	QPSK	50	0	19.23	19.30	19.27					
15	HQAM	1	0	19.40	19.33	19.38	25	0			
15	HQAM	1	24	19.47	19.47	19.43					
15	HQAM	1	49	19.19	19.30	19.30					
15	HQAM	25	0	19.35	19.35	19.36					
15	HQAM	25	12	19.35	19.34	19.33	24	1			
15	HQAM	25	25	19.30	19.35	19.38					
15	HQAM	50	0	19.32	19.33	19.36					
15	HQAM	50	1	19.25	19.38	19.23					
15	HQAM	1	25	19.31	19.34	19.27	24	1			
15	HQAM	1	49	19.27	19.36	19.26					
15	HQAM	25	0	19.40	19.37	19.38					
15	HQAM	25	12	19.25	19.29	19.32	23	2			
15	HQAM	25	25	19.26	19.27	19.32					
15	HQAM	50	0	19.26	19.27	19.32					
15	SSBDM	1	0	19.77	19.71	19.69					
15	SSBDM	1	25	19.65	19.61	19.66	20	5			
15	SSBDM	1	49	19.77	19.71	19.69					
15	SSBDM	25	0	19.43	19.41	19.49					
15	SSBDM	25	12	19.40	19.43	19.43	20	5			
15	SSBDM	25	25	19.50	19.47	19.38					
15	SSBDM	50	0	19.58	19.53	19.51					
Channel											
72600 23560 23600											
Frequency (MHz)											
5	QPSK	1	0	19.40	19.41	19.45					
5	QPSK	1	12	19.43	19.47	19.46	25	0			
5	QPSK	1	24	19.43	19.47	19.44					
5	QPSK	12	0	19.37	19.39	19.39					
5	QPSK	12	7	19.32	19.38	19.34	25	0			
5	QPSK	12	13	19.35	19.39	19.33					
5	QPSK	25	0	19.33	19.34	19.29					
5	HQAM	1	0	19.46	19.47	19.43	25	0			
5	HQAM	1	12	19.45	19.49	19.39					
5	HQAM	1	24	19.25	19.42	19.21					
5	HQAM	12	0	19.34	19.34	19.33					
5	HQAM	12	7	19.27	19.37	19.37	24	1			
5	HQAM	12	13	19.30	19.34	19.31					
5	HQAM	25	0	19.27	19.28	19.26					
5	HQAM	25	0	19.27	19.28	19.26					
5	SSBDM	1	0	19.68	19.68	19.67					
5	SSBDM	1	12	19.65	19.66	19.62	20	5			
5	SSBDM	1	24	19.78	19.78	19.74					
5	SSBDM	12	0	19.42	19.44	19.44					
5	SSBDM	12	7	19.40	19.50	19.48					
5	SSBDM	12	13	19.41	19.45	19.39	20	5			
5	SSBDM	25	0	19.40	19.43	19.43					
Channel											
72600 23560 23600											
Frequency (MHz)											
1.4	QPSK	1	0	19.49	19.48	19.48					
1.4	QPSK	1	37	19.43	19.43		25	0			
1.4	QPSK	1	74	19.44	19.49	19.48					
1.4	QPSK	1	61	19.44	19.41	19.42					
1.4	QPSK	1	31	19.41	19.41	19.41	25	0			
1.4	QPSK	1	1	19.47	19.47	19.47					
1.4	QPSK	1	3	19.35	19.30	19.34					
1.4	QPSK	1	5	19.23	19.27	19.31					
1.4	HQAM	1	0	19.32	19.37	19.34	25	0			
1.4	HQAM	1	3	19.42	19.44	19.38					
1.4	HQAM	1	5	19.28	19.36	19.32					
1.4	HQAM	1	3	19.45	19.45	19.45	25	0			
1.4	HQAM	1	1	19.36	19.38	19.26					
1.4	HQAM	1	3	19.42	19.43	19.42					
1.4	HQAM	1	5	19.25	19.33	19.25					
1.4	HQAM	1	3	19.30	19.33	19.25	24	1			
1.4	HQAM	1	1	19.28	19.30	19.25					
1.4	HQAM	1	3	19.42	19.43	19.41					
1.4	HQAM	1	5	19.27	19.30	19.25	24	1			
1.4	HQAM	1	3	19.24	19.28	19.24					
1.4	HQAM	1	5	19.31	19.33	19.28					
1.4	HQAM	1	3	19.15	19.20	19.22					
1.4	HQAM	1	5	19.23	19.25	19.25	23	2			
1.4	SSBDM	1	0	19.73	19.73	19.73					
1.4	SSBDM	1	3	19.71	19.70	19.69					
1.4	SSBDM	1	5	19.77	19.65	19.75					
1.4	SSBDM	1	3	19.60	19.62	19.63	20	5			
1.4	SSBDM	1	1	19.59	19.63	19.58					
1.4	SSBDM	1	3	19.62	19.61	19.66					
1.4	SSBDM	1	5	19.61	19.61	19.61	20	5			

Band 19_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Time-use (min)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.29	18.29	18.29	18.6	0	
15	QPSK	1	37	18.34	18.34	18.34			
15	QPSK	1	74	18.37	18.37	18.37			
15	QPSK	36	0	18.26	18.26	18.26			
15	QPSK	36	20	18.20	18.20	18.20			
15	QPSK	36	39	18.24	18.24	18.24			
15	QPSK	75	0	18.23	18.23	18.23			
15	QPSK	1	0	18.22	18.22	18.22			
15	QPSK	1	37	18.27	18.27	18.27			
15	QPSK	1	74	18.34	18.34	18.34			
15	QPSK	36	0	18.28	18.28	18.28			
15	QPSK	36	20	18.24	18.24	18.24			
15	QPSK	36	39	18.22	18.22	18.22			
15	QPSK	75	0	18.20	18.20	18.20			
15	QPSK	1	0	18.25	18.25	18.25			
15	QPSK	1	37	18.34	18.34	18.34			
15	QPSK	1	74	18.27	18.27	18.27			
15	QPSK	36	0	18.24	18.24	18.24			
15	QPSK	36	20	18.21	18.21	18.21			
15	QPSK	36	39	18.24	18.24	18.24			
15	QPSK	75	0	18.20	18.20	18.20			
15	QPSK	1	0	18.24	18.24	18.24			
15	QPSK	1	37	18.27	18.27	18.27			
15	QPSK	1	74	18.34	18.34	18.34			
15	QPSK	36	0	18.26	18.26	18.26			
15	QPSK	36	20	18.21	18.21	18.21			
15	QPSK	36	39	18.27	18.27	18.27			
15	QPSK	75	0	18.25	18.25	18.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.20	18.20	18.20	18.6	0	
15	QPSK	1	25	18.14	18.14	18.14			
15	QPSK	1	49	18.21	18.21	18.21			
15	QPSK	25	0	18.22	18.22	18.22			
15	QPSK	25	12	18.09	18.11	18.05			
15	QPSK	25	25	18.12	18.15	18.12			
15	QPSK	50	0	18.19	18.19	18.19			
15	QPSK	1	0	18.21	18.21	18.21			
15	QPSK	1	25	18.14	18.15	18.14			
15	QPSK	1	49	18.04	18.13	18.02			
15	QPSK	25	0	18.10	18.21	18.25			
15	QPSK	25	12	18.06	18.11	18.09			
15	QPSK	25	25	18.12	18.23	18.11			
15	QPSK	50	0	18.17	18.17	18.17			
15	QPSK	1	0	18.21	18.21	18.21			
15	QPSK	1	25	18.11	18.13	18.12			
15	QPSK	1	49	18.04	18.13	18.02			
15	QPSK	25	0	18.10	18.21	18.25			
15	QPSK	25	12	18.06	18.11	18.09			
15	QPSK	25	25	18.12	18.23	18.11			
15	QPSK	50	0	18.17	18.17	18.17			
15	QPSK	1	0	18.21	18.21	18.21			
15	QPSK	1	25	18.11	18.13	18.12			
15	QPSK	1	49	18.04	18.13	18.02			
15	QPSK	25	0	18.10	18.21	18.25			
15	QPSK	25	12	18.06	18.11	18.09			
15	QPSK	25	25	18.12	18.23	18.11			
15	QPSK	50	0	18.17	18.17	18.17			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.20	18.20	18.20	18.6	0	
5	QPSK	1	12	18.15	18.15	18.15			
5	QPSK	1	24	18.22	18.22	18.22			
5	QPSK	12	0	18.23	18.23	18.23			
5	QPSK	12	7	18.06	18.11	18.05			
5	QPSK	12	13	18.12	18.23	18.11			
5	QPSK	25	0	18.19	18.19	18.19			
5	QPSK	1	0	18.21	18.21	18.21			
5	QPSK	1	12	18.15	18.15	18.15			
5	QPSK	1	24	18.09	18.13	18.02			
5	QPSK	12	0	18.10	18.21	18.25			
5	QPSK	12	7	17.95	18.03	17.99			
5	QPSK	12	13	18.07	18.17	18.21			
5	QPSK	25	0	18.14	18.16	18.10			
5	QPSK	1	0	18.20	18.20	18.20			
5	QPSK	1	12	18.20	18.20	18.20			
5	QPSK	1	24	18.15	18.23	18.16			
5	QPSK	12	0	18.10	18.21	18.10			
5	QPSK	12	7	18.19	18.10	18.13			
5	QPSK	12	13	18.11	18.17	18.13			
5	QPSK	25	0	18.10	18.21	18.10			
5	QPSK	1	0	18.20	18.20	18.20			
5	QPSK	1	12	18.15	18.15	18.15			
5	QPSK	1	24	18.11	18.14	18.16			
5	QPSK	12	0	18.20	18.20	18.20			
5	QPSK	12	7	18.07	18.17	18.22			
5	QPSK	12	13	18.13	18.17	18.22			
5	QPSK	25	0	18.01	18.09	18.04			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.20	18.20	18.20	18.6	0	
3	QPSK	1	8	18.12	18.18	18.14			
3	QPSK	1	14	18.20	18.20	18.20			
3	QPSK	8	0	18.18	18.12	18.20			
3	QPSK	8	4	18.06	18.18	18.14			
3	QPSK	8	11	18.10	18.24	18.15			
3	QPSK	15	0	18.19	18.16	18.10			
3	QPSK	1	0	18.15	18.09	18.12			
3	QPSK	1	8	18.17	18.17	18.20			
3	QPSK	1	14	18.02	18.12	18.03			
3	QPSK	8	0	18.21	18.27	18.18			
3	QPSK	8	4	18.09	18.07	18.01			
3	QPSK	8	7	18.18	18.07	18.14			
3	QPSK	15	0	18.08	18.19	18.12			
3	QPSK	1	0	18.18	18.13	18.18			
3	QPSK	1	8	18.12	18.14	18.13			
3	QPSK	1	14	18.15	18.12	18.14			
3	QPSK	8	0	18.14	18.12	18.19			
3	QPSK	8	4	18.08	18.13	18.17			
3	QPSK	8	7	18.16	18.19	18.13			
3	QPSK	15	0	18.08	17.09	18.12			
3	QPSK	1	0	18.18	18.11	18.09			
3	QPSK	1	8	18.17	18.21	18.13			
3	QPSK	1	14	18.10	18.05	18.16			
3	QPSK	8	0	18.19	18.18	18.13			
3	QPSK	8	4	18.10	18.24	18.15			
3	QPSK	8	7	18.23	18.23	18.26			
3	QPSK	15	0	18.04	18.03	18.01			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.10	18.10	18.10	18.6	0	
1.4	QPSK	1	3	18.15	18.09	18.11			
1.4	QPSK	1	5	18.20	18.12	18.22			
1.4	QPSK	3	0	18.20	18.13	18.24			
1.4	QPSK	3	1	18.18	18.15	18.08			
1.4	QPSK	3	5	18.10	18.26	18.15			
1.4	QPSK	6	0	18.10	18.02	18.08			
1.4	QPSK	1	0	18.13	18.14	18.15			
1.4	QPSK	1	3	18.17	18.10	18.18			
1.4	QPSK	1	5	18.10	18.10	18.08			
1.4	QPSK	3	0	18.20	18.27	18.16			
1.4	QPSK	3	1	18.07	18.21	18.09			
1.4	QPSK	3	5	18.19	18.10	18.18			
1.4	QPSK	6	0	18.14	18.11	18.08			
1.4	QPSK	1	0	18.10	18.13	18.15			
1.4	QPSK	1	3	18.17	18.10	18.18			
1.4	QPSK	1	5	18.10	18.24	18.18			
1.4	QPSK	3	0	18.17	18.23	18.18			
1.4	QPSK	3	1	18.13	18.07	18.10			
1.4	QPSK	3	5	18.05	18.00	18.03			
1.4	QPSK	6	0	18.08	18.18	18.08			
1.4	QPSK	1	0	18.10	18.10	18.10			
1.4	QPSK	1	3	18.07	18.09	18.10			
1.4	QPSK	1	5	18.24	18.19	18.23			
1.4	QPSK	3	0	18.20	18.24	18.15			
1.4	QPSK	3	1	18.20	18.14	18.17			
1.4	QPSK	3	5	18.08	18.07	18.00			

Band 26(FCC)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq. (MHz)	Power Ch / Freq. (MHz)	Power Ch / Freq. (MHz)	Time-use (min)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.55	23.71	23.83	24.1	0	
15	QPSK	1	37	23.58	23.58	23.54			
15	QPSK	1	74	23.62	23.62	23.62			
15	QPSK	36	0	23.51	23.70	23.58	24.1	0	
15	QPSK	36	20	23.48	23.64	23.49			
15	QPSK	36	39	23.42	23.68	23.53			
15	QPSK	36	58	23.35	23.75	23.64			
15	QPSK	36	77	23.28	23.82	23.71			
15	QPSK	36	96	23.21	23.89	23.78			
15	QPSK	36	115	23.14	23.96	23.85			
15	QPSK	36	134	23.07	24.03	23.92			
15	QPSK	36	153	22.99	24.10	24.00			
15	QPSK	36	172	22.92	24.17	24.07			
15	QPSK	36	191	22.85	24.24	24.14			
15	QPSK	36	210	22.78	24.31	24.21			
15	QPSK	36	229	22.71	24.38	24.28			
15	QPSK	36	248	22.64	24.45	24.35			
15	QPSK	36	267	22.57	24.52	24.42			
15	QPSK	36	286	22.50	24.59	24.49			
15	QPSK	36	305	22.43	24.66	24.56			
15	QPSK	36	324	22.36	24.73	24.63			
15	QPSK	36	343	22.29	24.80	24.70			
15	QPSK	36	362	22.22	24.87	24.77			
15	QPSK	36	381	22.15	24.94	24.84			
15	QPSK	36	400	22.08	25.01	24.91			
15	QPSK	36	419	22.01	25.08	24.98			
15	QPSK	36	438	21.94	25.15	25.05			
15	QPSK	36	457	21.87	25.22	25.12			
15	QPSK	36	476	21.80	25.29	25.19			
15	QPSK	36	495	21.73	25.36	25.26			
15	QPSK	36	514	21.66	25.43	25.33			
15	QPSK	36	533	21.59	25.50	25.40			
15	QPSK	36	552	21.52	25.57	25.47			
15	QPSK	36	571	21.45	25.64	25.54			
15	QPSK	36	590	21.38	25.71	25.61			
15	QPSK	36	609	21.31	25.78	25.68			
15	QPSK	36	628	21.24	25.85	25.75			
15	QPSK	36	647	21.17	25.92	25.82			
15	QPSK	36	666	21.10	25.99	25.89			
15	QPSK	36	685	21.03	26.06	25.96			
15	QPSK	36	704	20.96	26.13	26.03			
15	QPSK	36	723	20.89	26.20	26.10			
15	QPSK	36	742	20.82	26.27	26.17			
15	QPSK	36	761	20.75	26.34	26.24			
15	QPSK	36	780	20.68	26.41	26.31			
15	QPSK	36	799	20.61	26.48	26.38			
15	QPSK	36	818	20.54	26.55	26.45			
15	QPSK	36	837	20.47	26.62	26.52			
15	QPSK	36	856	20.40	26.69	26.59			
15	QPSK	36	875	20.33	26.76	26.66			
15	QPSK	36	894	20.26	26.83	26.73			
15	QPSK	36	913	20.19	26.90	26.80			
15	QPSK	36	932	20.12	26.97	26.87			
15	QPSK	36	951	20.05	27.04	26.94			
15	QPSK	36	970	19.98	27.11	27.01			
15	QPSK	36	989	19.91	27.18	27.08			
15	QPSK	36	1008	19.84	27.25	27.15			
15	QPSK	36	1027	19.77	27.32	27.22			
15	QPSK	36	1046	19.70	27.39	27.29			
15	QPSK	36	1065	19.63	27.46	27.36			
15	QPSK	36	1084	19.56	27.53	27.43			
15	QPSK	36	1103	19.49	27.60	27.50			
15	QPSK	36	1122	19.42	27.67	27.57			
15	QPSK	36	1141	19.35	27.74	27.64			
15	QPSK	36	1160	19.28	27.81	27.71			
15	QPSK	36	1179	19.21	27.88	27.78			
15	QPSK	36	1198	19.14	27.95	27.85			
15	QPSK	36	1217	19.07	28.02	27.92			
15	QPSK	36	1236	19.00	28.09	28.00			
15	QPSK	36	1255	18.93	28.16	28.07			
15	QPSK	36	1274	18.86	28.23	28.14			
15	QPSK	36	1293	18.79	28.30	28.21			
15	QPSK	36	1312	18.72	28.37	28.28			
15	QPSK	36	1331	18.65	28.44	28.35			
15	QPSK	36	1350	18.58	28.51	28.42			
15	QPSK	36	1369	18.51	28.58	28.49			
15	QPSK	36	1388	18.44	28.65	28.56			
15	QPSK	36	1407	18.37	28.72	28.63			
15	QPSK	36	1426	18.30	28.79	28.70			
15	QPSK	36	1445	18.23	28.86	28.77			
15	QPSK	36	1464	18.16	28.93	28.84			
15	QPSK	36	1483	18.09	29.00	28.91			
15	QPSK	36	1502	18.02	29.07	28.98			
15	QPSK	36	1521	17.95	29.14	29.05			
15	QPSK	36	1540	17.88	29.21	29.12			
15	QPSK	36	1559	17.81	29.28	29.19			
15	QPSK	36	1578	17.74	29.35	29.26			
15	QPSK	36	1597	17.67	29.42	29.33			
15	QPSK	36	1616	17.60	29.49	29.40			
15	QPSK	36	1635	17.53	29.56	29.47			
15	QPSK	36	1654	17.46	29.63	29.54			
15	QPSK	36	1673	17.39	29.70	29.61			
15	QPSK	36	1692	17.32	29.77	29.68			
15	QPSK	36	1711	17.25	29.84	29.75			
15	QPSK	36	1730	17.18	29.91	29.82			
15	QPSK	36	1749	17.11	29.98	29.89			
15	QPSK	36	1768	17.04	30.05	29.96			
15	QPSK	36	1787	16.97	30.12	30.03			
15	QPSK	36	1806	16.90	30.19	30.10			
15	QPSK	36	1825	16.83	30.26	30.17			
15	QPSK	36	1844	16.76	30.33	30.24			
15	QPSK	36	1863	16.69	30.40	30.31			
15	QPSK	36	1882	16.62	30.47	30.38			
15	QPSK	36	1901	16.55	30.54	30.45			
15	QPSK	36	1920	16.48	30.61	30.52			
15	QPSK	36	1939	16.41	30.68	30.59			
15	QPSK	36	1958	16.34	30.75	30.66			
15	QPSK	36	1977	16.27	30.82	30.73			
15	QPSK	36	1996	16.20	30.89	30.80			
15	QPSK	36	2015	16.13	30.96	30.87			
15	QPSK	36	2034	16.06	31.03	30.94			
15	QPSK	36	2053	15.99	31.10	31.01			
15	QPSK	36	2072	15.92	31.17	31.08			
15	QPSK	36	2091	15.85	31.24	31.15			
15	QPSK	36	2110	15.78	31.31	31.22			
15	QPSK	36	2129	15.71	31.38	31.29			
15	QPSK	36	2148	15.64	31.45	31.36			
15	QPSK	36	2167	15.57	31.52	31.43			
15	QPSK	36	2186	15.50	31.59	31.50			
15	QPSK	36	2205	15.43	31.66	31.57			
15	QPSK	36	2224	15.36	31.73	31.64			
15	QPSK	36	2243	15.29	31.80	31.71			
15	QPSK	36	2262	15.22	31.87	31.78			
15	QPSK	36	2281	15.15	31.94	31.85			
15	QPSK	36	2300	15.08	32.01	31.92			
15	QPSK	36	2319	15.01	32.08	31.99			
15	QPSK	36	2338	14.94	32.15	32.06			
15	QPSK	36	2357	14.87	32.22	32.13			
15	QPSK	36	2376	14.80	32.29	32.20			
15	QPSK	36	2395	14.73	32.36	32.27			
15	QPSK	36	2414	14.66	32.43	32.34			
15	QPSK	36	2433	14.59	32.50	32.41			
15	QPSK	36	2452	14.52	32.57	32.48			
15	QPSK	36	2471	14.45	32.64	32.55			
15	QPSK	36	2490	14.38	32.71	32.62			
15	QPSK	36	2509	14.31	32.78	32.69			
15	QPSK	36	2528	14.24	32.85	32.76			
15	QPSK	36	2547	14.17	32.92	32.83			
15	QPSK	36	2566	14.10	32.99	32.90			
15	QPSK	36	2585	14.03	33.06	32.97			
15	QPSK	36	2604	13.96	33.13	33.04			
15	QPSK	36	2623	13.89	33.20	33.11			
15	QPSK	36	2642	13.82	33.27	33.18			
15	QPSK	36	2661	13.75	33.34	33.25			
15	QPSK	36	2680	13.68	33.41	33.32			
15	QPSK	36	2699	13.61	33.48	33.39			
15	QPSK	36	2718	13.54	33.55	33.46			
15	QPSK	36	2737	13.47	33.62	33.53			
15	QPSK	36	2756	13.40	33.69	33.60			
15	QPSK	36	2775	13.33	33.76	33.67			
15	QPSK	36	2794	13.26	33.83	33.74			
15	QPSK	36	2813	13.19	33.90	33.81			
15	QPSK	36	2832	13.12	33.97	33.88			
15	QPSK	36	2851	13.05	34.04	33.95			
15	QPSK	36	2870	12.98	34.11	34.02			
15	QPSK	36	2889	12.91	34.18	34.09			
15	QPSK	36	2908	12.84	34.25	34.16			
15	QPSK	36	2927	12.77	34.32	34.23			
15	QPSK	36	2946	12.70	34.39	34.30			
15	QPSK	36	2965	12.63	34.4				

Band 66_Ant 5										Band 66_Ant 6										Band 66_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Meds Ch / Freq.	Power High Ch / Freq.	Tuneup Int. (sec)	MFR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Meds Ch / Freq.	Power High Ch / Freq.	Tuneup Int. (sec)	MFR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Meds Ch / Freq.	Power High Ch / Freq.	Tuneup Int. (sec)	MFR (dB)	
Channel 1										Channel 2										Channel 3									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
17072 17072 17252 17252										17072 17072 17252 17252										17072 17072 17252 17252									
20	QPSK	1	0	24.58	24.70	24.84				20	QPSK	1	0	16.74	16.85	16.98				20	QPSK	1	0	20.87	20.98	21.09			
20	QPSK	1	48	23.85	23.98	24.73	25	0		20	QPSK	1	48	16.73	16.78	16.79	18	0		20	QPSK	1	48	20.93	21.09	20.94	22.1	0	
20	QPSK	1	96	23.32	24.01	23.83				20	QPSK	1	96	16.64	16.80	16.79				20	QPSK	1	96	20.93	20.94	20.84			
20	QPSK	50	0	23.65	23.70	23.52				20	QPSK	50	0	16.63	16.78	16.79				20	QPSK	50	0	20.91	20.99	20.85			
20	QPSK	50	24	23.57	23.61	23.50	25	0		20	QPSK	50	24	16.63	16.70	16.64				20	QPSK	50	24	20.93	21.04	20.81	22.1	0	
20	QPSK	50	50	23.61	23.63	23.44				20	QPSK	100	0	16.62	16.75	16.73				20	QPSK	100	0	20.91	20.99	20.85			
20	16QAM	1	0	23.74	23.80	23.62				20	16QAM	1	0	16.73	16.80	16.78				20	16QAM	1	0	20.87	20.90	20.86	22.1	0	
20	16QAM	1	48	23.74	23.80	23.62				20	16QAM	1	48	16.67	16.83	16.71				20	16QAM	1	48	20.93	20.98	20.93			
20	16QAM	1	96	23.75	23.87	23.71				20	16QAM	1	96	16.62	16.80	16.70				20	16QAM	1	96	20.93	21.02	20.89			
20	16QAM	50	0	22.97	23.06	22.88				20	16QAM	50	0	16.69	16.73	16.70				20	16QAM	50	0	20.85	20.93	20.92			
20	16QAM	50	24	23.02	23.03	22.99				20	16QAM	50	24	16.68	16.80	16.80	18	0		20	16QAM	50	24	20.93	21.03	20.92	22.1	0	
20	16QAM	50	50	22.94	23.04	22.85	24	1		20	16QAM	100	0	16.67	16.75	16.70				20	16QAM	100	0	20.87	20.93	20.92			
20	16QAM	100	0	22.98	23.00	22.92				20	16QAM	100	0	16.62	16.71	16.80				20	16QAM	100	0	20.87	21.05	20.87			
20	16QAM	1	0	22.96	22.64	22.41				20	16QAM	1	0	16.73	16.70	16.69				20	16QAM	1	0	20.88	20.84	20.89			
20	16QAM	1	48	22.98	22.72	22.48	24	1		20	16QAM	1	48	16.62	16.80	16.70				20	16QAM	1	48	20.88	20.91	20.89	22.1	0	
20	16QAM	1	96	22.51	22.59	22.46				20	16QAM	1	96	16.64	16.83	16.78				20	16QAM	1	96	20.87	20.94	20.83			
20	16QAM	50	0	21.95	22.06	21.89				20	16QAM	50	0	16.68	16.78	16.81				20	16QAM	50	0	20.83	20.89	20.91			
20	16QAM	50	24	21.90	22.02	21.95				20	16QAM	50	24	16.67	16.77	16.71				20	16QAM	50	24	20.83	20.91	20.91			
20	16QAM	50	50	21.87	22.01	21.78	23	2		20	16QAM	100	0	16.72	16.75	16.71	18	0		20	16QAM	100	0	20.82	21.04	20.95	22.1	0	
20	256QAM	1	0	19.05	19.16	19.01				20	256QAM	1	0	16.68	16.82	16.78				20	256QAM	1	0	18.25	18.32	18.23			
20	256QAM	1	48	19.08	19.17	18.99	20	5		20	256QAM	1	48	16.67	16.75	16.74				20	256QAM	1	48	18.24	18.39	18.37	19.4	2.7	
20	256QAM	1	96	19.15	19.17	18.98				20	256QAM	1	96	16.63	16.84	16.78				20	256QAM	1	96	18.28	18.35	18.32			
20	256QAM	50	0	18.99	19.04	18.94				20	256QAM	50	0	16.64	16.74	16.68				20	256QAM	50	0	18.29	18.32	18.29			
20	256QAM	50	24	18.93	19.03	18.85				20	256QAM	50	24	16.61	16.81	16.75				20	256QAM	50	24	18.19	18.33	18.28	19.4	2.7	
20	256QAM	50	50	18.91	19.01	18.81				20	256QAM	100	0	16.72	16.70	16.79	18	0		20	256QAM	100	0	18.23	18.28	18.25			
20	256QAM	100	0	18.94	19.07	18.79				20	256QAM	100	0	16.63	16.71	16.81				20	256QAM	100	0	18.23	18.28	18.25			
Channel 2										Channel 3										Channel 4									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
17252 17252 17397 17397										17252 17252 17397 17397										17252 17252 17397 17397									
15	QPSK	1	0	23.93	24.02	23.90				15	QPSK	1	0	17.15	17.45	17.75				15	QPSK	1	0	17.15	17.45	17.75			
15	QPSK	1	37	23.84	23.84	23.71	25	0		15	QPSK	1	37	16.73	16.72	16.81	18	0		15	QPSK	1	37	17.27	17.27	17.36	22.1	0	
15	QPSK	1	74	23.84	23.74	23.76				15	QPSK	1	74	16.63	16.70	16.64				15	QPSK	1	74	20.86	20.86	20.78			
15	QPSK	36	0	23.68	23.65	23.41				15	QPSK	36	0	16.68	16.78	16.71				15	QPSK	36	0	20.86	20.86	20.78			
15	QPSK	36	20	23.47	23.54	23.45	25	0		15	QPSK	36	20	16.51	16.70	16.58				15	QPSK	36	20	20.89	20.95	20.81	22.1	0	
15	QPSK	36	39	23.43	23.51	23.47				15	QPSK	36	39	16.62	16.63	16.54				15	QPSK	36	39	20.81	20.88	20.70			
15	QPSK	75	0	23.41	23.54	23.32				15	QPSK	75	0	16.61	16.72	16.62	18	0		15	QPSK	75	0	20.87	20.91	20.85			
15	16QAM	1	0	23.72	23.68	23.57	25	0		15	16QAM	1	0	16.67	16.79	16.69				15	16QAM	1	0	20.84	20.89	20.82			
15	16QAM	1	37	23.62	23.65	23.53				15	16QAM	1	37	16.53	16.78	16.63				15	16QAM	1	37	20.87	20.83	20.84	22.1	0	
15	16QAM	1	74	23.70	23.79	23.62				15	16QAM	1	74	16.68	16.80	16.70				15	16QAM	1	74	20.86	20.92	20.89			
15	16QAM	36	0	22.90	23.04	22.84				15	16QAM	36	0	16.50	16.60	16.57	25	0		15	16QAM	36	0	20.81	20.85	20.82			
15	16QAM	36	20	22.92	22.96	22.81	24	1		15	16QAM	36	20	16.65	16.68	16.78				15	16QAM	36	20	20.76	20.82	20.85	22.1	0	
15	16QAM	36	36	22.87	22.97	22.82				15	16QAM	75	0	16.67	16.67	16.68				15	16QAM	75	0	20.82	20.82	20.85			
15	16QAM	75	0	22.87	23.04	22.81				15	16QAM	75	0	16.54	16.70	16.58				15	16QAM	75	0	20.78	20.83	20.78			
15	16QAM	1	0	22.89	22.99	22.30				15	16QAM	1	0	16.64	16.67	16.58				15	16QAM	1	0	20.86	20.79	20.75	22.1	0	
15	16QAM	1	37	22.54	22.94	22.45	24	1		15	16QAM	1	37	16.62	16.70	16.62				15	16QAM	1	37	20.82	20.82	20.85			
15	16QAM	1	74	22.48	22.97	22.42				15	16QAM	1	74	16.51	16.75	16.58				15	16QAM	1	74	20.77	20.83	20.76			
15	16QAM	36	0	21.83	21.91	21.81				15	16QAM	36	0	16.62	16.67	16.66				15	16QAM	36	0	20.74	20.88	20.81			
15	16QAM	36	20	21.82	21.87	21.85	23	2		15	16QAM	36	20	16.71	16.82	16.72				15	16QAM	36	20	20.76	20.82	20.81	22.1	0	
15	16QAM	36	36	21.75	21.90	21.71				15	16QAM	75	0	16.69	16.62	16.58				15	16QAM	75	0	20.80	21.00	20.86			
15	16QAM	75	0	21.87	22.06	21.84				15	256QAM	1	0	16.64	16.68	16.54				15	16QAM	75	0	20.71	20.91	20.85			
15	256QAM	1	0	19.04	19.10	18.99				15	256QAM	1	0	16.65	16.70	16.57	18	0		15	256QAM	1	0	18.23	18.30	18.25			
15	256QAM	1	37	19.01	19.16	18.92	20	5		15	256QAM	1	37	16.67	16.69	16.57				15	256QAM	1	37	18.15	18.27	18.31	19.4	2.7	
15	256QAM	1	74	19.00	19.06	18.96				15	256QAM	1	74	16.61	16.80	16.72				15	256QAM	1	74	18.20	18.31	18.26			
15	256QAM	36	0	18.98	19.08	18.88				15	256QAM	36	0	16.69	16.62	16.54				15	256QAM	36	0	18.17	18.25	18.21			
15	256QAM	36	20	18.76	19.05	18.87				15	256QAM	36	20	16.68	16.68	16.66	18	0		15	256QAM	36	20	18.11	18.22	18.21	19.4	2.7	
15	256QAM	36	36	18.92	19.00	18.75	20	5		15	256QAM	75	0	16.63	16.69	16.67				15	256QAM	36	39	18.10	18.15	18.13			
15	256QAM	75	0	18.94	19.01	18.75				15	256QAM	100	0	16.69	16.68	16.71				15	256								

Band 66_Ant 7													
RF [MHz]	Modulation	RB [Hz]	RB Offset	Power Low Ch / Freq	Power Medio Ch / Freq	Power High Ch / Freq	Tune-up Int. [dB]	MPE [dB]					
Channel				153072	152292	152272							
Frequency (MHz)				1720	1746	1770							
20	QPSK	1	0	18.30	18.47	18.49	19.1	0					
20	QPSK	1	49	18.38	18.48	18.47							
20	QPSK	1	99	18.32	18.45	18.48							
20	QPSK	50	0	18.24	18.40	18.39	19.1	0					
20	QPSK	50	24	18.24	18.48	18.45							
20	QPSK	50	50	18.24	18.48	18.45							
20	16QAM	1	0	18.28	18.38	18.44	19.1	0					
20	16QAM	1	49	18.32	18.46	18.39							
20	16QAM	1	99	18.25	18.40	18.58							
20	16QAM	50	0	18.31	18.49	18.38	19.1	0					
20	16QAM	50	24	18.35	18.38	18.45							
20	16QAM	50	50	18.30	18.39	18.38							
20	16QAM	100	0	18.28	18.43	18.37	19.1	0					
20	16QAM	1	0	18.32	18.45	18.41							
20	16QAM	1	49	18.44	18.48	18.38							
20	256QAM	1	0	18.36	18.47	18.38	17.1	2					
20	256QAM	1	49	18.38	18.47	18.45							
20	256QAM	50	24	18.39	18.43	18.44							
20	256QAM	50	50	18.39	18.43	18.38	17.1	2					
20	256QAM	100	0	18.33	18.42	18.34							
Channel				153072	152292	152272							
Frequency (MHz)				1717.5	1746	1772.5							
15	QPSK	1	0	18.33	18.52	18.47	19.1		0				
15	QPSK	1	37	18.35	18.35	18.47							
15	QPSK	1	74	18.21	18.30	18.32							
15	QPSK	36	0	18.31	18.40	18.47	19.1	0					
15	QPSK	36	20	18.17	18.28	18.31							
15	QPSK	36	36	18.21	18.34	18.43							
15	QPSK	75	0	18.32	18.38	18.38	19.1	0					
15	16QAM	1	0	18.16	18.29	18.43							
15	16QAM	1	37	18.20	18.31	18.37							
15	16QAM	1	74	18.18	18.25	18.37	19.1	0					
15	16QAM	36	0	18.28	18.42	18.30							
15	16QAM	36	20	18.31	18.34	18.32							
15	16QAM	36	36	18.19	18.33	18.34	19.1	0					
15	16QAM	75	0	18.28	18.34	18.32							
15	16QAM	1	0	18.37	18.48	18.34							
15	16QAM	1	37	18.33	18.35	18.39	19.1	0					
15	16QAM	1	74	18.16	18.36	18.24							
15	16QAM	36	0	18.33	18.39	18.31							
15	16QAM	36	20	18.12	18.30	18.42	19.1	0					
15	16QAM	36	36	18.25	18.36	18.38							
15	16QAM	75	0	18.15	18.31	18.35							
15	256QAM	1	0	18.17	18.36	18.39	17.1	2					
15	256QAM	1	37	18.34	18.39	18.38							
15	256QAM	1	74	18.34	18.41	18.28							
15	256QAM	36	0	18.42	18.37	18.38	17.1	2					
15	256QAM	36	20	18.38	18.36	18.21							
15	256QAM	36	36	18.28	18.37	18.34							
Channel				153072	152292	152272							
Frequency (MHz)				1715	1746	1775.5							
10	QPSK	1	0	18.31	18.41	18.41	19.1				0		
10	QPSK	1	25	18.29	18.42	18.40							
10	QPSK	1	49	18.26	18.41	18.35							
10	QPSK	25	0	18.31	18.44	18.43	19.1	0					
10	QPSK	25	12	18.09	18.37	18.28							
10	QPSK	25	24	18.11	18.42	18.35							
10	QPSK	50	0	18.22	18.40	18.34	19.1	0					
10	16QAM	1	0	18.18	18.35	18.40							
10	16QAM	1	25	18.18	18.42	18.32							
10	16QAM	1	49	18.22	18.37	18.48	19.1	0					
10	16QAM	25	0	18.18	18.45	18.28							
10	16QAM	25	12	18.31	18.29	18.42							
10	16QAM	25	25	18.15	18.28	18.38	19.1	0					
10	16QAM	50	0	18.30	18.38	18.32							
10	16QAM	1	0	18.34	18.37	18.39							
10	16QAM	1	25	18.20	18.35	18.28	19.1	0					
10	16QAM	1	49	18.20	18.49	18.24							
10	16QAM	25	0	18.23	18.37	18.38							
10	16QAM	25	12	18.15	18.24	18.35	19.1	0					
10	16QAM	50	0	18.23	18.35	18.32							
10	16QAM	1	0	18.28	18.36	18.28							
10	256QAM	1	25	18.30	18.36	18.28	17.1	2					
10	256QAM	1	49	18.25	18.38	18.34							
10	256QAM	25	0	18.37	18.43	18.39							
10	256QAM	25	12	18.24	18.33	18.29	17.1	2					
10	256QAM	25	25	18.34	18.42	18.24							
10	256QAM	50	0	18.24	18.37	18.28							
Channel				153072	152292	152272							
Frequency (MHz)				1712.5	1745	1775.5							
5	QPSK	1	0	18.28	18.51	18.37	19.1	0					
5	QPSK	1	12	18.28	18.45	18.35							
5	QPSK	1	24	18.20	18.38	18.35							
5	QPSK	12	0	18.35	18.38	18.38	19.1	0					
5	QPSK	12	7	18.21	18.36	18.38							
5	QPSK	12	13	18.20	18.41	18.38							
5	QPSK	25	0	18.31	18.44	18.38	19.1	0					
5	16QAM	1	0	18.22	18.35	18.43							
5	16QAM	1	12	18.23	18.38	18.39							
5	16QAM	1	24	18.15	18.25	18.48	19.1	0					
5	16QAM	12	0	18.21	18.40	18.25							
5	16QAM	12	7	18.27	18.34	18.38							
5	16QAM	12	13	18.18	18.39	18.32	19.1	0					
5	16QAM	25	0	18.28	18.30	18.41							
5	16QAM	1	0	18.37	18.44	18.37							
5	16QAM	1	12	18.32	18.38	18.25	19.1	0					
5	16QAM	1	24	18.17	18.41	18.33							
5	16QAM	12	0	18.25	18.38	18.43							
5	16QAM	12	13	18.22	18.24	18.35	19.1	0					
5	16QAM	25	0	18.18	18.30	18.34							
5	256QAM	1	0	18.19	18.39	18.32	17.1	2					
5	256QAM	1	12	18.33	18.40	18.27							
5	256QAM	12	0	18.25	18.37	18.32							
5	256QAM	12	7	18.26	18.40	18.37	17.1	2					
5	256QAM	12	13	18.38	18.46	18.36							
5	256QAM	25	0	18.38	18.46	18.36							
Channel				153072	152292	152272							
Frequency (MHz)				1711.5	1745	1775.5							
5	QPSK	1	0	18.32	18.50	18.49	19.1	0					
5	QPSK	1	14	18.30	18.43	18.40							
5	QPSK	1	28	18.22	18.35	18.47							
5	QPSK	8	7	18.21	18.42	18.44	19.1	0					
5	QPSK	8	14	18.20	18.43	18.42							
5	QPSK	8	21	18.20	18.29	18.38							
5	16QAM	1	0	18.22	18.35	18.43	19.1	0					
5	16QAM	1	8	18.21	18.38	18.38							
5	16QAM	1	14	18.22	18.38	18.29							
5	16QAM	8	4	18.22	18.28	18.43	19.1	0					
5	16QAM	8	11	18.23	18.35	18.40							
5	16QAM	8	18	18.23	18.44	18.31							
5	16QAM	16	0	18.35	18.23	18.35	19.1	0					
5	16QAM	8	0	18.23	18.47	18.28							
5	16QAM	8	8	18.30	18.38	18.32							
5	16QAM	1	0	18.32	18.43	18.36	19.1	0					
5	16QAM	8	7	18.18	18.28	18.28							
5	16QAM	16	0	18.22	18.33	18.34							
5	16QAM	1	0	18.25	18.36	18.40	17.1	2					
5	16QAM	1	8	18.29	18.39	18.28							
5	16QAM	1	14	18.35	18.42	18.35							
5	256QAM	1	0	18.25	18.42	18.28	17.1	2					
5	256QAM	1	8	18.25	18.43	18.31							
5	256QAM	8	0	18.25	18.31	18.43							
5	256QAM	8	7	18.32	18.41	18.27							
Channel				153072	152292	152272							
Frequency (MHz)				1710	1745	1775.5							
1.4	QPSK	1	0	18.27	18.46	18.36	19.1	0					
1.4	QPSK	1	3	18.27	18.46	18.36							
1.4	QPSK	1	6	18.26	18.46	18.36							
1.4	QPSK	3	0	18.34	18.38	18.40	19.1	0					
1.4	QPSK	3	3	18.34	18.38	18.40							
1.4	QPSK	3	6	18.34	18.40	18.32							
1.4	16QAM	1	0	18.24	18.44	18.39	19.1	0					
1.4	16QAM	1	3	18.24	18.44	18.39							
1.4	16QAM	1	6	18.28	18.34	18.36							
1.4	16QAM	3	0	18.17	18.36	18.42	19.1	0					
1.4	16QAM	3	3	18.17	18.36	18.42							
1.4	16QAM	3	6	18.24	18.37	18.33							
1.4	16QAM	6	0	18.25	18.36	18.38	19.1	0					
1.4	16QAM	6	3	18.25	18.36	18.39							
1.4	16QAM	6	6	18.31	18.48	18.29							
1.4	16QAM	1	0	18.24	18.43	18.38	19.1	0					
1.4	16QAM	1	3	18.24	18.43	18.38							
1.4	16QAM	1	6	18.18	18.37	18.23							
1.4	16QAM	3	0	18.31	18.27	18.38	19.1	0					
1.4	16QAM	3	3	18.31	18.27	18.38							
1.4	16QAM	3	6	18.33	18.33	18.29							
1.4	16QAM	6	0	18.25	18.33	18.35	19.1	0					
1.4	16QAM	6	3	18.25	18.33	18.35							
1.4	16QAM	6	6	18.30	18.44	18.35							
1.4	256QAM	1	0	18.25	18.43	18.35	17.1	2					
1.4	256QAM	1	3	18.25	18.43	18.35							
1.4	256QAM	3	0	18.28	18.3								

Band 38_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)				2580	2595	2610						
20	QPSK	1	0	24.57	24.62	24.57	25	0				
20	QPSK	1	49	24.44	24.58	24.48						
20	QPSK	1	99	24.42	24.53	24.45						
20	QPSK	50	0	24.17	24.27	24.16						
20	QPSK	50	24	24.09	24.11	23.96						
20	QPSK	50	50	23.98	24.09	24.00	25	0				
20	QPSK	100	0	24.12	24.17	24.02						
20	16QAM	1	0	24.08	24.15	24.08						
20	16QAM	1	49	24.07	24.14	24.09						
20	16QAM	1	99	23.93	24.08	24.05						
20	16QAM	50	0	23.54	23.59	23.57	24	1				
20	16QAM	50	24	23.53	23.64	23.63						
20	16QAM	50	50	23.55	23.61	23.59						
20	16QAM	100	0	23.47	23.53	23.49						
20	64QAM	1	0	22.80	22.84	22.71						
20	64QAM	1	49	22.72	22.76	22.70	23	2				
20	64QAM	50	0	22.53	22.56	22.47						
20	64QAM	50	24	22.66	22.67	22.65						
20	64QAM	50	50	22.53	22.57	22.44						
20	64QAM	100	0	22.56	22.63	22.58						
20	256QAM	1	0	19.41	19.46	19.41	23	2				
20	256QAM	1	49	19.36	19.48	19.36						
20	256QAM	1	99	19.42	19.46	19.39						
20	256QAM	50	0	19.64	19.74	19.62						
20	256QAM	50	24	19.50	19.63	19.54						
20	256QAM	50	50	19.65	19.76	19.63	20	5				
20	256QAM	100	0	19.72	19.62	19.63						
Channel												
Frequency (MHz)				37625	38000	38175				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.50	24.52	24.50	25	0				
15	QPSK	1	37	24.40	24.51	24.39						
15	QPSK	1	74	24.30	24.50	24.34						
15	QPSK	36	0	24.02	24.18	24.13						
15	QPSK	36	20	23.96	23.99	23.85						
15	QPSK	36	39	23.82	24.01	23.89	25	0				
15	QPSK	36	50	23.98	24.02	23.87						
15	16QAM	1	0	23.95	24.13	24.07						
15	16QAM	1	37	24.00	24.02	24.05						
15	16QAM	1	74	23.81	24.04	24.04						
15	16QAM	36	0	23.28	23.54	23.44	24	1				
15	16QAM	36	20	23.48	23.56	23.62						
15	16QAM	36	39	23.44	23.49	23.52						
15	16QAM	75	0	23.35	23.46	23.48						
15	64QAM	1	0	22.78	22.70	22.69						
15	64QAM	1	37	22.85	22.77	22.80	23	2				
15	64QAM	1	74	22.62	22.73	22.69						
15	64QAM	36	0	22.38	22.42	22.37						
15	64QAM	36	20	22.51	22.59	22.53						
15	64QAM	36	39	22.50	22.42	22.40						
15	64QAM	75	0	22.49	22.52	22.45	15	5				
15	256QAM	1	0	19.32	19.40	19.29						
15	256QAM	1	37	19.32	19.33	19.35						
15	256QAM	1	74	19.38	19.41	19.26						
15	256QAM	36	0	19.27	19.61	19.61						
15	256QAM	36	20	19.46	19.62	19.52	20	5				
15	256QAM	36	39	19.54	19.69	19.59						
15	256QAM	75	0	19.60	19.59	19.49						
Channel												
Frequency (MHz)				37680	38000	38200	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	24.43	24.55	24.54	25	0				
10	QPSK	1	25	24.33	24.56	24.44						
10	QPSK	1	49	24.35	24.46	24.36						
10	QPSK	25	0	24.09	24.16	24.03						
10	QPSK	25	12	24.04	24.07	23.94						
10	QPSK	25	25	23.85	24.03	23.95	25	0				
10	QPSK	50	0	24.02	24.10	23.90						
10	16QAM	1	0	23.94	24.10	24.06						
10	16QAM	1	25	23.94	24.02	24.06						
10	16QAM	1	49	23.87	24.02	23.93						
10	16QAM	25	0	23.48	23.47	23.49	24	1				
10	16QAM	25	12	23.52	23.56	23.56						
10	16QAM	25	25	23.54	23.56	23.44						
10	16QAM	50	0	23.24	23.45	23.45						
10	64QAM	1	0	22.68	22.68	22.70						
10	64QAM	1	25	22.62	22.66	22.59	23	2				
10	64QAM	1	49	22.62	22.61	22.67						
10	64QAM	25	0	22.48	22.41	22.46						
10	64QAM	25	12	22.62	22.60	22.59						
10	64QAM	25	25	22.48	22.48	22.31						
10	64QAM	50	0	22.45	22.51	22.56	20	5				
10	256QAM	1	0	19.35	19.37	19.27						
10	256QAM	1	25	19.34	19.33	19.24						
10	256QAM	1	49	19.27	19.44	19.35						
10	256QAM	25	0	19.51	19.63	19.47						
10	256QAM	25	12	19.40	19.58	19.48	20	5				
10	256QAM	25	25	19.53	19.72	19.61						
10	256QAM	50	0	19.63	19.61	19.62						
Channel												
Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	24.47	24.57	24.48	25	0				
5	QPSK	1	12	24.30	24.47	24.44						
5	QPSK	1	24	24.30	24.48	24.34						
5	QPSK	12	0	24.05	24.17	24.04						
5	QPSK	12	7	23.95	24.05	23.94						
5	QPSK	12	13	23.91	24.03	23.86	25	0				
5	QPSK	25	0	24.10	24.05	23.97						
5	16QAM	1	0	24.00	24.09	24.00						
5	16QAM	1	12	24.01	24.13	24.03						
5	16QAM	1	24	23.79	24.00	24.02						
5	16QAM	12	0	23.47	23.57	23.48	24	1				
5	16QAM	12	7	23.50	23.56	23.55						
5	16QAM	12	13	23.47	23.49	23.50						
5	16QAM	25	0	23.34	23.38	23.45						
5	64QAM	1	0	22.77	22.76	22.67						
5	64QAM	1	12	22.56	22.60	22.56	23	2				
5	64QAM	1	24	22.62	22.75	22.58						
5	64QAM	12	0	22.38	22.55	22.38						
5	64QAM	12	7	22.57	22.62	22.63						
5	64QAM	12	13	22.41	22.49	22.32						
5	64QAM	25	0	22.46	22.59	22.51	20	5				
5	256QAM	1	0	19.35	19.35	19.38						
5	256QAM	1	12	19.24	19.45	19.31						
5	256QAM	1	24	19.40	19.38	19.28						
5	256QAM	12	0	19.51	19.59	19.47						
5	256QAM	12	7	19.48	19.53	19.45	20	5				
5	256QAM	12	13	19.63	19.63	19.51						
5	256QAM	25	0	19.68	19.47	19.61						

Band 38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.82	17.83	17.92	18.4	0	
20	QPSK	1	49	17.68	17.88	17.83			
20	QPSK	1	99	17.77	17.86	17.78			
20	QPSK	50	0	17.86	17.86	17.86			
20	QPSK	50	24	17.69	17.79	17.79	18.4	0	
20	QPSK	50	49	17.71	17.86	17.81			
20	QPSK	100	0	17.77	17.84	17.79			
20	16QAM	1	0	17.74	17.80	17.89			
20	16QAM	1	49	17.79	17.89	17.83	18.4	0	
20	16QAM	1	99	17.87	17.92	17.87			
20	16QAM	50	0	17.78	17.86	17.81			
20	16QAM	50	24	17.70	17.80	17.79			
20	16QAM	50	24	17.70	17.80	17.80	18.4	0	
20	16QAM	100	0	17.70	17.80	17.89			
20	16QAM	1	0	17.81	17.83	17.89			
20	16QAM	1	49	17.75	17.80	17.91			
20	64QAM	1	99	17.77	17.86	17.90	18.4	0	
20	64QAM	50	0	17.78	17.90	17.77			
20	64QAM	50	24	17.72	17.81	17.87			
20	64QAM	50	49	17.68	17.81	17.81			
20	64QAM	100	0	17.78	17.87	17.90	18.4	0	
20	256QAM	1	0	17.75	17.83	17.90			
20	256QAM	1	49	17.71	17.88	17.88			
20	256QAM	1	99	17.74	17.81	17.80			
20	256QAM	36	20	17.65	17.75	17.85	18.4	0	
20	256QAM	50	24	17.72	17.89	17.82			
20	256QAM	50	50	17.71	17.84	17.87			
20	256QAM	100	0	17.75	17.82	17.90			
Channel									
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.76	17.85	17.85	18.4	0	
15	QPSK	1	37	17.62	17.84	17.78			
15	QPSK	1	74	17.65	17.84	17.73			
15	QPSK	36	0	17.69	17.78	17.74			
15	QPSK	36	20	17.65	17.75	17.75	18.4	0	
15	QPSK	36	39	17.64	17.73	17.65			
15	QPSK	75	0	17.62	17.74	17.71			
15	16QAM	1	0	17.61	17.79	17.87			
15	16QAM	1	37	17.74	17.67	17.77	18.4	0	
15	16QAM	1	74	17.65	17.83	17.72			
15	16QAM	36	0	17.65	17.89	17.76			
15	16QAM	36	39	17.69	17.69	17.76			
15	16QAM	75	0	17.63	17.67	17.83	18.4	0	
15	64QAM	1	0	17.61	17.78	17.81			
15	64QAM	1	37	17.71	17.68	17.82			
15	64QAM	1	74	17.67	17.71	17.80			
15	64QAM	36	0	17.65	17.88	17.75	18.4	0	
15	64QAM	36	20	17.70	17.77	17.72			
15	64QAM	36	39	17.68	17.70	17.77			
15	64QAM	75	0	17.69	17.78	17.84			
15	256QAM	1	0	17.71	17.79	17.68	18.4	0	
15	256QAM	1	37	17.63	17.77	17.77			
15	256QAM	1	74	17.66	17.77	17.72			
15	256QAM	36	20	17.66	17.80	17.76			
15	256QAM	36	20	17.68	17.78	17.74	18.4	0	
15	256QAM	36	39	17.64	17.83	17.84			
15	256QAM	75	0	17.61	17.67	17.79			
Channel									
Frequency (MHz)				2676	2695	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.79	17.84	17.80	18.4	0	
10	QPSK	1	25	17.64	17.86	17.81			
10	QPSK	1	49	17.68	17.79	17.66			
10	QPSK	25	0	17.86	17.82	17.83			
10	QPSK	25	12	17.75	17.87	17.75	18.4	0	
10	QPSK	25	25	17.65	17.79	17.65			
10	QPSK	50	0	17.71	17.83	17.72			
10	16QAM	1	0	17.64	17.76	17.82			
10	16QAM	1	25	17.66	17.78	17.68	18.4	0	
10	16QAM	1	49	17.66	17.85	17.75			
10	16QAM	25	0	17.66	17.75	17.80			
10	16QAM	25	12	17.66	17.70	17.68			
10	16QAM	25	25	17.65	17.85	17.86	18.4	0	
10	16QAM	50	0	17.67	17.82	17.81			
10	64QAM	1	25	17.76	17.78	17.81			
10	64QAM	1	49	17.67	17.71	17.85			
10	64QAM	25	0	17.63	17.88	17.69	18.4	0	
10	64QAM	25	12	17.66	17.77	17.74			
10	64QAM	25	25	17.56	17.75	17.83			
10	64QAM	50	0	17.71	17.84	17.80			
10	256QAM	1	0	17.70	17.76	17.63	18.4	0	
10	256QAM	1	25	17.68	17.87	17.87			
10	256QAM	1	49	17.73	17.73	17.70			
10	256QAM	25	0	17.62	17.74	17.63			
10	256QAM	25	12	17.68	17.75	17.72	18.4	0	
10	256QAM	25	25	17.62	17.73	17.76			
10	256QAM	50	0	17.68	17.81	17.78			
Channel									
Frequency (MHz)				2717.5	2690	2622.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.74	17.79	17.78	18.4	0	
5	QPSK	1	12	17.54	17.79	17.80			
5	QPSK	1	24	17.75	17.73	17.74			
5	QPSK	12	0	17.76	17.73	17.79			
5	QPSK	12	13	17.58	17.69	17.79	18.4	0	
5	QPSK	25	0	17.74	17.71	17.73			
5	16QAM	1	0	17.68	17.67	17.83			
5	16QAM	1	12	17.67	17.74	17.74			
5	16QAM	1	24	17.64	17.84	17.78	18.4	0	
5	16QAM	12	0	17.63	17.75	17.77			
5	16QAM	12	7	17.56	17.79	17.73			
5	16QAM	12	13	17.57	17.76	17.81			
5	16QAM	25	0	17.58	17.73	17.76	18.4	0	
5	64QAM	1	12	17.79	17.77	17.84			
5	64QAM	1	24	17.63	17.76	17.77			
5	64QAM	12	7	17.72	17.76	17.76			
5	64QAM	12	13	17.65	17.78	17.85	18.4	0	
5	64QAM	25	0	17.64	17.85	17.89			
5	256QAM	1	0	17.72	17.80	17.74			
5	256QAM	1	12	17.68	17.78	17.81			
5	256QAM	1	24	17.71	17.66	17.77	18.4	0	
5	256QAM	12	0	17.71	17.69	17.77			
5	256QAM	12	7	17.65	17.77	17.81			
5	256QAM	25	0	17.81	17.78	17.77			

Band 38_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)				37860	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	18.68	18.75	18.83	19.1	0					
20	QPSK	1	49	18.68	18.62	18.48							
20	QPSK	1	99	18.54	18.67	18.55							
20	QPSK	50	0	18.66	18.71	18.59							
20	QPSK	50	24	18.58	18.60	18.52	19.1	0					
20	QPSK	50	50	18.64	18.63	18.53							
20	QPSK	100	0	18.55	18.67	18.49							
20	16QAM	1	0	18.67	18.67	18.56							
20	16QAM	1	49	18.68	18.61	18.53	19.1	0					
20	16QAM	1	99	18.56	18.60	18.54							
20	16QAM	50	0	18.67	18.69	18.53							
20	16QAM	50	24	18.68	18.64	18.57							
20	16QAM	100	0	18.57	18.74	18.59	19.1	0					
20	16QAM	100	0	18.55	18.70	18.57							
20	64QAM	1	0	18.56	18.73	18.55							
20	64QAM	1	49	18.55	18.71	18.55							
20	64QAM	1	99	18.67	18.67	18.61	19.1	0					
20	64QAM	50	0	18.63	18.65	18.52							
20	64QAM	50	24	18.55	18.73	18.62							
20	64QAM	50	50	18.65	18.64	18.48							
20	64QAM	100	0	18.55	18.63	18.48	16.3	2.8					
20	256QAM	1	0	15.62	15.69	15.56							
20	256QAM	1	49	15.52	15.67	15.62							
20	256QAM	1	99	15.60	15.73	15.72							
20	256QAM	50	0	15.87	15.93	15.87	16.3	2.8					
20	256QAM	50	24	15.81	15.87	15.83							
20	256QAM	50	50	15.86	15.88	15.73							
20	256QAM	100	0	15.75	15.90	15.80							
Channel													
Frequency (MHz)				37825	38000	38175							
15	QPSK	1	0	18.68	18.72	18.62	19.1	0					
15	QPSK	1	37	18.58	18.48	18.43							
15	QPSK	1	74	18.48	18.64	18.54							
15	QPSK	36	0	18.64	18.69	18.58							
15	QPSK	36	20	18.47	18.67	18.42	19.1	0					
15	QPSK	36	39	18.54	18.58	18.51							
15	QPSK	75	0	18.49	18.52	18.41							
15	16QAM	1	0	18.59	18.66	18.53							
15	16QAM	1	37	18.65	18.53	18.41	19.1	0					
15	16QAM	1	74	18.44	18.59	18.50							
15	16QAM	36	0	18.52	18.68	18.38							
15	16QAM	36	20	18.60	18.68	18.45							
15	16QAM	36	39	18.52	18.68	18.57	19.1	0					
15	16QAM	75	0	18.52	18.68	18.44							
15	64QAM	1	0	18.45	18.71	18.45							
15	64QAM	1	37	18.41	18.56	18.53							
15	64QAM	1	74	18.56	18.55	18.59	19.1	0					
15	64QAM	36	0	18.56	18.61	18.38							
15	64QAM	36	20	18.40	18.72	18.37							
15	64QAM	36	39	18.57	18.60	18.39							
15	256QAM	1	0	15.49	15.40	15.34	16.3	2.8					
15	256QAM	1	0	15.50	15.68	15.53							
15	256QAM	1	37	15.39	15.53	15.56							
15	256QAM	1	74	15.51	15.71	15.70							
15	256QAM	50	0	15.77	15.92	15.76	16.3	2.8					
15	256QAM	36	20	15.74	15.78	15.73							
15	256QAM	36	39	15.85	15.78	15.62							
15	256QAM	75	0	15.64	15.83	15.78							
Channel													
Frequency (MHz)				37860	38000	38200							
10	QPSK	1	0	18.58	18.64	18.51	19.1	0					
10	QPSK	1	25	18.53	18.55	18.45							
10	QPSK	1	49	18.41	18.62	18.48							
10	QPSK	25	0	18.55	18.67	18.45							
10	QPSK	25	12	18.63	18.58	18.51	19.1	0					
10	QPSK	25	25	18.49	18.50	18.40							
10	QPSK	50	0	18.52	18.56	18.38							
10	16QAM	1	0	18.57	18.54	18.47							
10	16QAM	1	25	18.54	18.56	18.49	19.1	0					
10	16QAM	1	49	18.41	18.62	18.41							
10	16QAM	25	0	18.60	18.54	18.40							
10	16QAM	25	12	18.63	18.58	18.53							
10	16QAM	25	25	18.51	18.61	18.55	19.1	0					
10	16QAM	50	0	18.53	18.57	18.47							
10	64QAM	1	0	18.41	18.62	18.52							
10	64QAM	1	25	18.52	18.56	18.45							
10	64QAM	1	49	18.62	18.66	18.46	19.1	0					
10	64QAM	25	0	18.50	18.61	18.39							
10	64QAM	25	12	18.44	18.58	18.54							
10	64QAM	25	25	18.52	18.60	18.44							
10	64QAM	50	0	18.51	18.49	18.45	16.3	2.8					
10	256QAM	1	0	15.47	15.60	15.46							
10	256QAM	1	25	15.38	15.66	15.47							
10	256QAM	1	49	15.47	15.62	15.68							
10	256QAM	25	0	15.77	15.88	15.72	16.3	2.8					
10	256QAM	25	12	15.67	15.79	15.77							
10	256QAM	25	25	15.80	15.87	15.68							
10	256QAM	50	0	15.63	15.85	15.76							
Channel													
Frequency (MHz)				37775	38000	38225							
5	QPSK	1	0	18.57	18.67	18.49	19.1	0					
5	QPSK	1	12	18.55	18.54	18.42							
5	QPSK	1	24	18.41	18.55	18.44							
5	QPSK	12	0	18.61	18.60	18.53							
5	QPSK	12	7	18.43	18.56	18.47	19.1	0					
5	QPSK	12	13	18.49	18.49	18.50							
5	QPSK	25	0	18.54	18.58	18.38							
5	16QAM	1	0	18.62	18.59	18.47							
5	16QAM	1	12	18.65	18.54	18.48	19.1	0					
5	16QAM	1	24	18.54	18.56	18.46							
5	16QAM	12	0	18.60	18.60	18.40							
5	16QAM	12	7	18.67	18.56	18.44							
5	16QAM	12	13	18.52	18.61	18.58	19.1	0					
5	16QAM	25	0	18.54	18.69	18.49							
5	64QAM	1	0	18.47	18.61	18.48							
5	64QAM	1	12	18.46	18.68	18.54							
5	64QAM	1	24	18.63	18.57	18.52	19.1	0					
5	64QAM	12	0	18.49	18.59	18.40							
5	64QAM	12	7	18.43	18.65	18.52							
5	64QAM	12	13	18.51	18.57	18.39							
5	64QAM	25	0	18.46	18.62	18.40	16.3	2.8					
5	256QAM	1	0	15.61	15.68	15.50							
5	256QAM	1	12	15.50	15.64	15.50							
5	256QAM	1	24	15.59	15.59	15.58							
5	256QAM	12	0	15.76	15.85	15.76							
5	256QAM	12	7	15.66	15.72	15.61							
5	256QAM	12	13	15.71	15.71	15.60	16.3	2.8					
5	256QAM	25	0	15.70	15.85	15.71							

Band 41_Ant 6													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel													
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	17.44	17.41	17.48	17.34	17.35	17.9	0			
20	QPSK	1	49	17.40	17.29	17.33	17.23	17.29					
20	QPSK	1	99	17.41	17.38	17.43	17.26	17.24					
20	QPSK	50	0	17.33	17.37	17.41	17.30	17.20					
20	QPSK	50	24	17.27	17.32	17.27	17.25	17.09					
20	QPSK	50	60	17.27	17.37	17.40	17.28	17.19	17.9	0			
20	QPSK	100	0	17.31	17.36	17.38	17.30	17.28					
20	16QAM	1	0	17.39	17.37	17.39	17.20	17.27					
20	16QAM	1	49	17.43	17.28	17.40	17.20	17.31					
20	16QAM	1	99	17.29	17.31	17.38	17.28	17.21					
20	16QAM	50	0	17.37	17.38	17.42	17.32	17.30	17.9	0			
20	16QAM	50	24	17.38	17.32	17.39	17.24	17.23					
20	16QAM	50	60	17.33	17.28	17.33	17.29	17.28					
20	16QAM	100	0	17.40	17.29	17.34	17.27	17.22					
20	64QAM	1	0	17.42	17.31	17.35	17.33	17.31					
20	64QAM	1	49	17.42	17.34	17.35	17.26	17.25	17.9	0			
20	64QAM	1	99	17.43	17.34	17.37	17.30	17.30					
20	64QAM	50	0	17.43	17.30	17.38	17.28	17.29					
20	64QAM	50	24	17.43	17.29	17.38	17.29	17.21					
20	64QAM	50	60	17.30	17.26	17.35	17.24	17.25					
20	64QAM	100	0	17.38	17.40	17.40	17.29	17.23	17.9	0			
20	256QAM	1	0	16.47	16.47	16.58	16.46	16.55					
20	256QAM	1	49	16.57	16.45	16.58	16.50	16.51					
20	256QAM	1	99	16.48	16.48	16.54	16.52	16.53					
20	256QAM	50	0	16.71	16.71	16.77	16.65	16.63					
20	256QAM	50	24	16.89	16.81	16.90	16.76	16.82	17.1	0.8			
20	256QAM	50	60	16.73	16.72	16.79	16.66	16.78					
20	256QAM	100	0	16.87	16.88	16.90	16.87	16.86					
Channel													
Frequency (MHz)				3972.5	4017.3	4060.5	4108.5	4151.5	Turn-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	17.33	17.32	17.46	17.26	17.23	17.9	0			
15	QPSK	1	37	17.36	17.16	17.36	17.08	17.18					
15	QPSK	1	74	17.34	17.24	17.38	17.25	17.19					
15	QPSK	36	0	17.28	17.29	17.29	17.29	17.16					
15	QPSK	36	20	17.15	17.29	17.20	17.19	16.99					
15	QPSK	36	39	17.22	17.25	17.25	17.19	17.18	17.9	0			
15	QPSK	75	0	17.24	17.33	17.34	17.19	17.17					
15	16QAM	1	0	17.37	17.27	17.23	17.07	17.13					
15	16QAM	1	37	17.36	17.18	17.30	17.16	17.24					
15	16QAM	1	74	17.34	17.29	17.31	17.21	17.09					
15	16QAM	36	0	17.32	17.23	17.27	17.26	17.19	17.9	0			
15	16QAM	36	20	17.31	17.26	17.26	17.16	17.21					
15	16QAM	36	39	17.23	17.18	17.18	17.21	17.16					
15	16QAM	75	0	17.28	17.23	17.29	17.24	17.14					
15	64QAM	1	0	17.37	17.29	17.32	17.21	17.18					
15	64QAM	1	37	17.34	17.26	17.32	17.13	17.14	17.9	0			
15	64QAM	1	74	17.33	17.33	17.24	17.18	17.24					
15	64QAM	36	0	17.33	17.18	17.33	17.21	17.21					
15	64QAM	36	20	17.40	17.19	17.29	17.23	17.20					
15	64QAM	36	39	17.26	17.12	17.25	17.16	17.22					
15	64QAM	75	0	17.25	17.32	17.29	17.28	17.17	17.1	0.8			
15	256QAM	1	0	16.36	16.33	16.56	16.40	16.50					
15	256QAM	1	37	16.50	16.35	16.43	16.45	16.48					
15	256QAM	1	74	16.37	16.38	16.49	16.45	16.43					
15	256QAM	50	0	16.56	16.60	16.64	16.53	16.48					
15	256QAM	50	24	16.86	16.68	16.76	16.63	16.77	17.1	0.8			
15	256QAM	50	39	16.58	16.57	16.73	16.61	16.64					
15	256QAM	75	0	16.72	16.83	16.88	16.77	16.84					
Channel													
Frequency (MHz)				3970	4016	4060	4108	4150	Turn-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	17.36	17.32	17.34	17.33	17.31	17.9	0			
10	QPSK	1	25	17.27	17.18	17.31	17.11	17.24					
10	QPSK	1	49	17.30	17.30	17.31	17.12	17.17					
10	QPSK	25	0	17.26	17.24	17.39	17.25	17.05					
10	QPSK	25	12	17.15	17.31	17.37	17.15	16.99					
10	QPSK	25	25	17.26	17.15	17.37	17.22	17.11	17.9	0			
10	QPSK	50	0	17.26	17.31	17.27	17.28	17.26					
10	16QAM	1	0	17.27	17.29	17.33	17.08	17.23					
10	16QAM	1	25	17.33	17.16	17.27	17.12	17.23					
10	16QAM	1	49	17.26	17.30	17.31	17.15	17.10					
10	16QAM	25	0	17.22	17.28	17.39	17.30	17.24	17.9	0			
10	16QAM	25	12	17.34	17.18	17.36	17.16	17.17					
10	16QAM	25	25	17.28	17.26	17.22	17.28	17.17					
10	16QAM	50	0	17.35	17.27	17.36	17.16	17.17					
10	16QAM	50	12	17.38	17.16	17.20	17.28	17.17					
10	64QAM	1	25	17.29	17.32	17.33	17.14	17.24	17.9	0			
10	64QAM	1	49	17.36	17.23	17.29	17.17	17.22					
10	64QAM	25	0	17.28	17.18	17.27	17.17	17.23					
10	64QAM	25	12	17.37	17.22	17.28	17.21	17.14					
10	64QAM	25	25	17.24	17.25	17.21	17.20	17.21					
10	64QAM	50	0	17.25	17.35	17.39	17.22	17.11	17.1	0.8			
10	256QAM	1	0	16.42	16.41	16.44	16.38	16.49					
10	256QAM	1	25	16.50	16.43	16.49	16.47	16.41					
10	256QAM	1	49	16.46	16.40	16.47	16.50	16.46					
10	256QAM	25	0	16.70	16.59	16.76	16.58	16.59					
10	256QAM	25	12	16.84	16.68	16.78	16.61	16.70	17.1	0.8			
10	256QAM	25	25	16.70	16.67	16.76	16.61	16.70					
10	256QAM	50	0	16.82	16.67	16.78	16.62	16.84					
Channel													
Frequency (MHz)				3967.5	4014	4060	4109.5	4159.5	Turn-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	17.40	17.29	17.47	17.28	17.34	17.9	0			
5	QPSK	1	12	17.34	17.24	17.49	17.08	17.17					
5	QPSK	1	24	17.29	17.37	17.47	17.14	17.16					
5	QPSK	12	0	17.19	17.35	17.33	17.18	17.09					
5	QPSK	12	7	17.26	17.18	17.13	17.20	16.94					
5	QPSK	12	13	17.24	17.21	17.33	17.13	17.18	17.9	0			
5	QPSK	25	0	17.19	17.32	17.23	17.28	17.13					
5	16QAM	1	0	17.25	17.25	17.29	17.19	17.21					
5	16QAM	1	12	17.39	17.27	17.29	17.14	17.29					
5	16QAM	1	24	17.20	17.16	17.23	17.18	17.17					
5	16QAM	12	0	17.36	17.36	17.41	17.17	17.16	17.9	0			
5	16QAM	12	7	17.24	17.29	17.36	17.14	17.10					
5	16QAM	12	13	17.28	17.18	17.36	17.15	17.27					
5	16QAM	25	0	17.26	17.26	17.31	17.14	17.11					
5	64QAM	1	0	17.29	17.30	17.34	17.22	17.28					
5	64QAM	1	12	17.35	17.27	17.27	17.19	17.23	17.9	0			
5	64QAM	1	24	17.36	17.20	17.30	17.16	17.16					
5	64QAM	12	0	17.42	17.23	17.23	17.23	17.16					
5	64QAM	12	7	17.36	17.17	17.31	17.19	17.14					
5	64QAM	12	13	17.25	17.25	17.30	17.21	17.24					
5	64QAM	25	0	17.23	17.29	17.36	17.21	17.17	17.1	0.8			
5	256QAM	1	0	16.41	16.39	16.51	16.41	16.45					
5	256QAM	1	12	16.45	16.37	16.44	16.43	16.37					
5	256QAM	1	24	16.46	16.37	16.50	16.46	16.49					
5	256QAM	12	0	16.67	16.70	16.67	16.53	16.59					
5	256QAM	12	7	16.71	16.69	16.73	16.61	16.68	17.1	0.8			
5	256QAM	12	13	16.67	16.69	16.76	16.64	16.67					
5	256QAM	25	0	16.73	16.61	16.85	16.74	16.81					
5	256QAM	25	0										



Band 41(HPUe)_Ant 11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	14.83	14.78	14.84	14.73	14.81	15.7	0		
20	QPSK	1	49	14.77	14.66	14.83	14.69	14.69				
20	QPSK	1	99	14.77	14.63	14.78	14.64	14.75				
20	QPSK	50	0	14.70	14.73	14.79	14.60	14.67				
20	QPSK	50	24	14.62	14.64	14.77	14.45	14.63				
20	QPSK	50	50	14.68	14.62	14.64	14.47	14.64	15.7	0		
20	QPSK	100	0	14.70	14.69	14.76	14.65	14.67				
20	16QAM	1	0	14.81	14.75	14.77	14.63	14.74				
20	16QAM	1	49	14.69	14.73	14.77	14.64	14.68				
20	16QAM	1	99	14.72	14.71	14.70	14.66	14.73				
20	16QAM	50	0	14.82	14.69	14.74	14.70	14.78	15.7	0		
20	16QAM	50	24	14.74	14.72	14.79	14.68	14.68				
20	16QAM	50	50	14.78	14.70	14.80	14.68	14.77				
20	16QAM	100	0	14.72	14.63	14.72	14.71	14.70				
20	64QAM	1	0	14.80	14.68	14.71	14.66	14.68				
20	64QAM	1	49	14.81	14.67	14.70	14.62	14.76	15.7	0		
20	64QAM	1	99	14.79	14.65	14.75	14.69	14.79				
20	64QAM	50	0	14.78	14.73	14.81	14.70	14.71				
20	64QAM	50	24	14.81	14.75	14.74	14.63	14.80				
20	64QAM	50	50	14.72	14.71	14.72	14.66	14.78				
20	64QAM	100	0	14.69	14.63	14.78	14.68	14.73	15.7	0		
20	256QAM	1	0	14.82	14.73	14.82	14.61	14.74				
20	256QAM	1	49	14.75	14.74	14.78	14.65	14.69				
20	256QAM	1	99	14.75	14.71	14.80	14.61	14.71				
20	256QAM	50	0	14.68	14.63	14.75	14.68	14.77				
20	256QAM	50	24	14.75	14.77	14.76	14.67	14.69	15.7	0		
20	256QAM	50	50	14.79	14.77	14.73	14.60	14.70				
20	256QAM	100	0	14.82	14.68	14.69	14.69	14.68				
Channel												
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	14.75	14.71	14.74	14.62	14.76	15.7	0		
15	QPSK	1	37	14.63	14.62	14.79	14.66	14.54				
15	QPSK	1	74	14.63	14.48	14.68	14.51	14.60				
15	QPSK	36	0	14.65	14.63	14.65	14.56	14.57				
15	QPSK	36	20	14.61	14.54	14.76	14.33	14.57				
15	QPSK	36	39	14.53	14.53	14.56	14.37	14.61	15.7	0		
15	QPSK	75	0	14.60	14.62	14.69	14.53	14.58				
15	16QAM	1	0	14.80	14.67	14.62	14.60	14.65				
15	16QAM	1	37	14.67	14.61	14.76	14.55	14.63				
15	16QAM	1	74	14.64	14.58	14.58	14.59	14.61				
15	16QAM	36	0	14.77	14.58	14.63	14.62	14.71	15.7	0		
15	16QAM	36	20	14.70	14.60	14.66	14.07	14.66				
15	16QAM	36	39	14.76	14.68	14.67	14.54	14.67				
15	16QAM	75	0	14.60	14.61	14.58	14.69	14.60				
15	64QAM	1	0	14.67	14.61	14.68	14.65	14.65				
15	64QAM	1	37	14.72	14.52	14.60	14.46	14.61	15.7	0		
15	64QAM	1	74	14.73	14.63	14.72	14.59	14.70				
15	64QAM	36	0	14.77	14.64	14.69	14.64	14.58				
15	64QAM	36	20	14.70	14.70	14.66	14.57	14.74				
15	64QAM	36	39	14.65	14.65	14.57	14.60	14.68				
15	64QAM	75	0	14.66	14.59	14.72	14.58	14.59	15.7	0		
15	256QAM	1	0	14.77	14.70	14.80	14.49	14.73				
15	256QAM	1	37	14.67	14.69	14.77	14.59	14.65				
15	256QAM	1	74	14.72	14.64	14.77	14.55	14.66				
15	256QAM	36	0	14.54	14.49	14.73	14.56	14.76				
15	256QAM	36	20	14.61	14.67	14.72	14.64	14.58	15.7	0		
15	256QAM	36	39	14.66	14.62	14.72	14.57	14.65				
15	256QAM	75	0	14.81	14.63	14.61	14.57	14.55				
Channel												
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Turn-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	14.76	14.77	14.73	14.61	14.74	15.7	0		
10	QPSK	1	25	14.70	14.65	14.78	14.60	14.56				
10	QPSK	1	49	14.70	14.57	14.67	14.57	14.67				
10	QPSK	25	0	14.66	14.63	14.65	14.46	14.65				
10	QPSK	25	12	14.67	14.53	14.73	14.37	14.50				
10	QPSK	25	25	14.57	14.55	14.54	14.37	14.59	15.7	0		
10	QPSK	50	0	14.57	14.66	14.69	14.61	14.52				
10	16QAM	1	0	14.73	14.67	14.65	14.59	14.59				
10	16QAM	1	25	14.59	14.69	14.74	14.51	14.60				
10	16QAM	1	49	14.61	14.59	14.61	14.51	14.63				
10	16QAM	25	0	14.71	14.57	14.73	14.68	14.69	15.7	0		
10	16QAM	25	12	14.73	14.63	14.68	14.61	14.57				
10	16QAM	25	25	14.68	14.64	14.76	14.47	14.73				
10	16QAM	50	0	14.76	14.60	14.73	14.64	14.68				
10	64QAM	1	0	14.69	14.60	14.66	14.57	14.64				
10	64QAM	1	25	14.66	14.63	14.60	14.56	14.73	15.7	0		
10	64QAM	1	49	14.68	14.51	14.72	14.68	14.66				
10	64QAM	25	0	14.66	14.63	14.78	14.67	14.63				
10	64QAM	25	12	14.78	14.69	14.70	14.50	14.68				
10	64QAM	25	25	14.58	14.61	14.65	14.52	14.65				
10	64QAM	50	0	14.59	14.54	14.69	14.59	14.59	15.7	0		
10	256QAM	1	0	14.72	14.69	14.67	14.51	14.73				
10	256QAM	1	25	14.66	14.60	14.73	14.64	14.68				
10	256QAM	1	49	14.66	14.66	14.71	14.49	14.63				
10	256QAM	25	0	14.64	14.61	14.72	14.54	14.63				
10	256QAM	25	12	14.62	14.71	14.74	14.66	14.54	15.7	0		
10	256QAM	25	25	14.75	14.72	14.66	14.47	14.63				
10	256QAM	50	0	14.79	14.62	14.55	14.55	14.62				
Channel												
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	14.77	14.65	14.83	14.60	14.75	15.7	0		
5	QPSK	1	12	14.67	14.53	14.72	14.67	14.62				
5	QPSK	1	24	14.63	14.48	14.68	14.56	14.66				
5	QPSK	12	0	14.56	14.69	14.62	14.49	14.59	15.7	0		
5	QPSK	12	7	14.49	14.53	14.69	14.44	14.59				
5	QPSK	12	13	14.67	14.59	14.61	14.40	14.50				
5	QPSK	25	0	14.56	14.59	14.62	14.56	14.57	15.7	0		
5	16QAM	1	0	14.71	14.73	14.75	14.63	14.69				
5	16QAM	1	12	14.64	14.70	14.74	14.63	14.68				
5	16QAM	1	24	14.60	14.56	14.56	14.54	14.60	15.7	0		
5	16QAM	12	0	14.72	14.64	14.62	14.65	14.64				
5	16QAM	12	7	14.67	14.70	14.74	14.58	14.67				
5	16QAM	12	13	14.69	14.60	14.73	14.54	14.64	15.7	0		
5	16QAM	25	0	14.61	14.50	14.65	14.65	14.62				
5	64QAM	1	0	14.71	14.62	14.69	14.56	14.67				
5	64QAM	1	12	14.78	14.66	14.55	14.52	14.62	15.7	0		
5	64QAM	1	24	14.67	14.57	14.68	14.57	14.68				
5	64QAM	12	0	14.77	14.66	14.66	14.54	14.64				
5	64QAM	12	7	14.69	14.67	14.71	14.62	14.70	15.7	0		
5	64QAM	12	13	14.68	14.68	14.57	14.53	14.69				
5	64QAM	25	0	14.54	14.52	14.77	14.65	14.66				
5	256QAM	1	0	14.74	14.67	14.72	14.59	14.61	15.7	0		
5	256QAM	1	12	14.62	14.60	14.73	14.63	14.54				
5	256QAM	1	24	14.64	14.70	14.70	14.51	14.65				
5	256QAM	12	0	14.63	14.59	14.61	14.59	14.64	15.7	0		
5	256QAM	12	7	14.62	14.64	14.70	14.53	14.67				
5	256QAM	12	13	14.77	14.62	14.65	14.54	14.59				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power Middle Ch. 1 Freq. 376000	Power High Ch. 1 Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1860	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.74	22.85	22.70	24.2	0.0	
20	Pl2 BPSK	1	53	22.85	22.94	22.90			
20	Pl2 BPSK	1	104	22.81	22.96	22.83			
20	Pl2 BPSK	50	0	22.43	22.45	22.39	23.7	0.5	
20	Pl2 BPSK	50	28	22.88	22.91	22.82	24.2	0.0	
20	Pl2 BPSK	50	56	22.33	22.46	22.34	23.7	0.5	
20	Pl2 BPSK	100	0	22.34	22.46	22.34			
20	QPSK	1	1	22.95	23.03	22.98			
20	QPSK	1	53	22.92	22.94	22.83	24.2	0.0	
20	QPSK	1	104	22.92	22.99	22.97	23.7	0.5	
20	QPSK	50	0	22.36	22.44	22.40			
20	QPSK	50	28	22.78	22.91	22.76	24.2	0.0	
20	QPSK	50	56	22.38	22.43	22.41	23.7	0.5	
20	QPSK	100	0	22.29	22.42	22.41			
20	16QAM	1	1	22.09	22.14	22.06	23.2	1.0	
20	64QAM	1	1	21.84	21.70	21.63	22.7	1.5	
20	256QAM	1	1	21.28	21.30	21.21	22.2	2.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1902.5			
15	QPSK	1	1	22.87	22.92	22.97	24.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905			
10	QPSK	1	1	22.98	23.02	22.93	24.2	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1907.5			
5	QPSK	1	1	22.89	23.02	22.92	24.2	0.0	

Full&Default Power Mode n2_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power Middle Ch. 1 Freq. 376000	Power High Ch. 1 Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1860	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.23	22.35	22.33	23.6	0.0	
20	Pl2 BPSK	1	53	22.24	22.39	22.25			
20	Pl2 BPSK	1	104	22.31	22.32	22.36			
20	Pl2 BPSK	50	0	21.85	21.86	21.84	23.1	0.5	
20	Pl2 BPSK	50	28	22.30	22.36	22.21	23.6	0.0	
20	Pl2 BPSK	50	56	21.81	21.86	21.76	23.1	0.5	
20	Pl2 BPSK	100	0	21.73	21.87	21.78			
20	QPSK	1	1	22.33	22.40	22.36			
20	QPSK	1	53	22.31	22.38	22.27	23.6	0.0	
20	QPSK	1	104	22.26	22.30	22.31	23.1	0.5	
20	QPSK	50	0	21.72	21.82	21.80			
20	QPSK	50	28	22.21	22.31	22.21	23.6	0.0	
20	QPSK	50	56	21.77	21.83	21.77	23.1	0.5	
20	QPSK	100	0	21.67	21.82	21.75			
20	16QAM	1	1	21.81	21.82	21.54	22.8	1.0	
20	64QAM	1	1	21.12	21.18	21.10	22.1	1.5	
20	256QAM	1	1	20.81	20.78	20.83	21.6	2.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1902.5			
15	QPSK	1	1	22.24	22.31	22.28	23.6	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905			
10	QPSK	1	1	22.31	22.39	22.24	23.6	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1907.5			
5	QPSK	1	1	22.26	22.30	22.27	23.6	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166800	Power Middle Ch. 1 Freq. 167500	Power High Ch. 1 Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	Pl2 BPSK	1	1	24.26	24.41	24.37	25.9	0.0	
20	Pl2 BPSK	1	53	24.42	24.56	24.45			
20	Pl2 BPSK	1	104	24.46	24.47	24.32			
20	Pl2 BPSK	50	0	24.11	24.16	24.05	25.4	0.5	
20	Pl2 BPSK	50	28	24.53	24.55	24.40	25.9	0.0	
20	Pl2 BPSK	50	56	24.08	24.17	24.09	25.4	0.5	
20	Pl2 BPSK	100	0	24.30	24.45	24.36			
20	QPSK	1	1	24.51	24.57	24.44			
20	QPSK	1	53	24.44	24.46	24.43	25.9	0.0	
20	QPSK	1	104	24.41	24.46	24.44	25.4	0.5	
20	QPSK	50	0	24.07	24.16	24.06			
20	QPSK	50	28	24.45	24.54	24.48	25.9	0.0	
20	QPSK	50	56	24.12	24.15	24.04	25.4	0.5	
20	QPSK	100	0	24.16	24.18	24.08			
20	16QAM	1	1	23.89	23.75	23.80	24.9	1.0	
20	64QAM	1	1	23.29	23.32	23.18	24.4	1.5	
20	256QAM	1	1	22.91	22.94	22.81	23.9	2.0	
Channel				166300	167500	168500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.47	24.54	24.34	25.9	0.0	
Channel				165800	167500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.37	24.46	24.43	25.9	0.0	
Channel				165300	167500	169000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.44	24.46	24.42	25.9	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	P12 BPSK	1	1	24.08	24.13	24.08			
20	P12 BPSK	1	53	24.02	24.17	24.07	25.5	0.0	
20	P12 BPSK	1	104	24.11	24.13	24.05			
20	P12 BPSK	50	0	23.69	23.77	23.65	25.0	0.5	
20	P12 BPSK	50	28	24.12	24.21	24.10	25.5	0.0	
20	P12 BPSK	50	56	23.75	23.81	23.74			
20	P12 BPSK	100	0	23.73	23.82	23.79	25.0	0.5	
20	QPSK	1	1	24.21	24.28	24.26			
20	QPSK	1	53	24.15	24.22	24.12	25.5	0.0	
20	QPSK	1	104	23.96	24.07	24.00			
20	QPSK	50	0	23.79	23.80	23.76	25.0	0.5	
20	QPSK	50	28	24.16	24.17	24.06	25.5	0.0	
20	QPSK	50	56	23.71	23.81	23.79			
20	QPSK	100	0	23.76	23.83	23.78	25.0	0.5	
20	16QAM	1	1	23.33	23.47	23.44	24.5	1.0	
20	64QAM	1	1	22.91	23.03	23.00	24.0	1.5	
20	256QAM	1	1	22.47	22.59	22.51	23.5	2.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.09	24.27	24.18	25.5	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.08	24.27	24.12	25.5	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	24.20	24.16	24.20	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
Frequency (MHz)									
40	P12 BPSK	1	1	24.98	25.12	25.11			
40	P12 BPSK	1	108	24.97	25.04	24.90	25.9	0.0	
40	P12 BPSK	1	214	24.94	25.00	24.88			
40	P12 BPSK	108	0	24.56	24.70	24.68	25.4	0.5	
40	P12 BPSK	108	54	25.21	25.23	25.17	25.9	0.0	
40	P12 BPSK	108	108	24.56	24.64	24.27			
40	P12 BPSK	216	0	24.53	24.66	24.61	25.4	0.5	
40	QPSK	1	1	25.27	25.30	25.16			
40	QPSK	1	108	25.08	25.22	25.12	25.9	0.0	
40	QPSK	1	214	24.76	24.86	24.79			
40	QPSK	108	0	24.65	24.87	24.53	25.4	0.5	
40	QPSK	108	54	25.03	25.17	25.02	25.9	0.0	
40	QPSK	108	108	24.52	24.61	24.50			
40	QPSK	216	0	24.48	24.60	24.47	25.4	0.5	
40	16QAM	1	1	24.29	24.32	24.22	24.9	1.0	
40	64QAM	1	1	23.89	23.91	23.82	24.4	1.5	
40	256QAM	1	1	23.49	23.52	23.40	23.9	2.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	25.15	25.15	25.06	25.9	0.0	
Channel				502000	507000	511900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	25.18	25.28	25.13	25.9	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	25.26	25.15	25.01	25.9	0.0	
Channel				502500	507000	512100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	25.13	25.27	25.03	25.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2566			
10	QPSK	1	1	25.21	25.19	25.09	25.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	25.10	25.23	25.09	25.9	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
Frequency (MHz)									
40	P12 BPSK	1	1	24.56	24.68	24.59			
40	P12 BPSK	1	108	24.59	24.59	24.45	25.3	0.0	
40	P12 BPSK	1	214	24.20	24.28	24.21			
40	P12 BPSK	108	0	24.05	24.19	24.05	24.8	0.5	
40	P12 BPSK	108	54	24.66	24.67	24.63	25.3	0.0	
40	P12 BPSK	108	108	24.03	24.09	23.96			
40	P12 BPSK	216	0	24.12	24.13	24.07	24.8	0.5	
40	QPSK	1	1	24.50	24.73	24.65			
40	QPSK	1	108	24.59	24.64	24.63	25.3	0.0	
40	QPSK	1	214	24.46	24.47	24.42			
40	QPSK	108	0	24.07	24.13	24.01	24.8	0.5	
40	QPSK	108	54	24.40	24.45	24.32	25.3	0.0	
40	QPSK	108	108	23.96	24.07	23.94			
40	QPSK	216	0	24.04	24.07	23.94	24.8	0.5	
40	16QAM	1	1	23.52	24.00	23.88	24.3	1.0	
40	64QAM	1	1	23.25	23.39	23.30	23.8	1.5	
40	256QAM	1	1	23.00	23.02	22.94	23.3	2.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	24.57	24.60	24.54	25.3	0.0	
Channel				502000	507000	511900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	24.48	24.64	24.65	25.3	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	24.55	24.60	24.52	25.3	0.0	
Channel				502500	507000	512100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	24.53	24.62	24.60	25.3	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2566			
10	QPSK	1	1	24.52	24.69	24.61	25.3	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	24.57	24.71	24.65	25.3	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 505000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	23.98	24.02	23.98			
40	Pl2 BPSK	1	108	23.96	24.11	24.01	25.4	0.0	
40	Pl2 BPSK	1	214	23.79	23.82	23.81			
40	Pl2 BPSK	108	0	23.59	23.66	23.58	24.9	0.5	
40	Pl2 BPSK	108	54	23.98	24.07	24.00	25.4	0.0	
40	Pl2 BPSK	108	108	23.58	23.61	23.47			
40	Pl2 BPSK	216	0	23.57	23.68	23.65	24.9	0.5	
40	QPSK	1	1	24.11	24.16	24.13			
40	QPSK	1	108	24.08	24.15	24.09	25.4	0.0	
40	QPSK	1	214	23.76	23.86	23.71			
40	QPSK	108	0	23.80	23.85	23.83	24.9	0.5	
40	QPSK	108	54	24.02	24.15	24.12	25.4	0.0	
40	QPSK	108	108	23.47	23.62	23.48			
40	QPSK	216	0	24.51	24.65	24.57	24.9	0.5	
40	16QAM	1	1	23.23	23.34	23.28	24.9	0.5	
40	64QAM	1	1	22.74	22.88	22.76	23.9	1.5	
40	256QAM	1	1	22.45	22.49	22.41	23.4	2.0	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	24.09	24.02	24.04	25.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2537.5			
25	QPSK	1	1	24.04	24.04	24.04	25.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	24.09	24.12	24.10	25.4	0.0	
Channel				510100	510100	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.98	24.12	24.03	25.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2405	2435	2465			
10	QPSK	1	1	24.00	24.15	24.12	25.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2302.5	2535	2567.5			
5	QPSK	1	1	24.03	24.11	24.05	25.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 504000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	20.76	20.84	20.78			
40	Pl2 BPSK	1	108	20.63	20.69	20.59	22.3	0.0	
40	Pl2 BPSK	1	214	20.52	20.56	20.44			
40	Pl2 BPSK	108	0	20.49	20.50	20.37	21.8	0.5	
40	Pl2 BPSK	108	54	20.68	20.72	20.61	22.3	0.0	
40	Pl2 BPSK	108	108	20.30	20.39	20.29			
40	Pl2 BPSK	216	0	20.24	20.29	20.15	21.8	0.5	
40	QPSK	1	1	20.85	20.89	20.76			
40	QPSK	1	108	20.71	20.82	20.73	22.3	0.0	
40	QPSK	1	214	20.76	20.82	20.68			
40	QPSK	108	0	20.47	20.49	20.41	21.8	0.5	
40	QPSK	108	54	20.52	20.65	20.61	22.3	0.0	
40	QPSK	108	108	20.39	20.43	20.37			
40	QPSK	216	0	20.67	20.71	20.10	21.8	0.5	
40	16QAM	1	1	20.18	20.27	20.15	21.8	0.5	
40	64QAM	1	1	19.29	19.36	19.32	20.8	1.5	
40	256QAM	1	1	19.11	19.19	19.13	20.3	2.0	
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.76	20.76	20.67	22.3	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2537.5			
25	QPSK	1	1	20.73	20.75	20.61	22.3	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	20.70	20.84	20.73	22.3	0.0	
Channel				510100	510100	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	20.82	20.84	20.68	22.3	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2405	2435	2465			
10	QPSK	1	1	20.80	20.83	20.62	22.3	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2302.5	2535	2567.5			
5	QPSK	1	1	20.76	20.84	20.70	22.3	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	22.49	22.64	22.56			
15	Pl2 BPSK	1	40	22.61	22.72	22.60	24.2	0.0	
15	Pl2 BPSK	1	77	22.61	22.73	22.60			
15	Pl2 BPSK	36	0	22.31	22.32	22.30	23.7	0.5	
15	Pl2 BPSK	36	22	22.73	22.80	22.79	24.2	0.0	
15	Pl2 BPSK	36	43	22.15	22.27	22.19	23.7	0.5	
15	Pl2 BPSK	75	0	22.26	22.32	22.20			
15	QPSK	1	1	22.81	22.82	22.74			
15	QPSK	1	40	22.63	22.72	22.71	24.2	0.0	
15	QPSK	1	77	22.71	22.77	22.72			
15	QPSK	36	0	22.34	22.38	22.35	23.7	0.5	
15	QPSK	36	22	22.73	22.75	22.70	24.2	0.0	
15	QPSK	36	43	22.21	22.25	22.11	23.7	0.5	
15	QPSK	75	0	22.09	22.23	22.22			
15	16QAM	1	1	21.93	21.98	21.87	23.2	1.0	
15	64QAM	1	1	21.44	21.48	21.48	22.7	1.5	
15	256QAM	1	1	21.04	21.18	21.08	22.2	2.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706	707.5	711			
10	QPSK	1	1	22.75	22.77	22.59	24.2	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.68	22.71	22.69	24.2	0.0	

n12_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 141300	Power Middle Ch. F Freq. 141500	Power High Ch. F Freq. 141700	Tune-up limit (dBm)	MPR (dB)
Channel				706.5	707.5	706.5	23.8	0.0
Frequency (MHz)				22.17	22.31	22.25		
15	PlZ BPSK	1	1	22.32	22.45	22.30		
15	PlZ BPSK	1	40	22.35	22.42	22.37		
15	PlZ BPSK	1	77	22.02	22.05	22.01	23.3	0.5
15	PlZ BPSK	36	0	22.33	22.43	22.34	23.8	0.0
15	PlZ BPSK	36	43	21.89	22.01	21.90	23.3	0.5
15	PlZ BPSK	75	0	21.89	22.04	21.91	23.3	0.5
15	QPSK	1	1	22.52	22.53	22.47	23.8	0.0
15	QPSK	1	40	22.38	22.45	22.34		
15	QPSK	1	77	22.29	22.44	22.37		
15	QPSK	36	0	21.96	22.03	22.02		
15	QPSK	36	22	22.49	22.53	22.40	23.8	0.0
15	QPSK	36	43	21.84	21.99	21.94	23.3	0.5
15	QPSK	75	0	21.84	21.96	21.86	23.3	0.5
15	16QAM	1	1	21.67	21.75	21.70	22.8	1.0
15	64QAM	1	1	21.24	21.27	21.24	22.3	1.5
15	256QAM	1	1	20.88	20.93	20.82	21.8	2.0
Channel				140300	141500	142700	Tune-up limit	MPR
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	22.44	22.51	22.35	23.8	0.0
Channel				140300	141500	142700	Tune-up limit	MPR
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	1	22.38	22.42	22.45	23.8	0.0

n26(FCC)_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)
Channel				824	831.5	839	25.9	0.0
Frequency (MHz)				24.41	24.53	24.41		
20	PlZ BPSK	1	1	24.48	24.62	24.51		
20	PlZ BPSK	1	53	24.41	24.53	24.41		
20	PlZ BPSK	1	104	24.43	24.55	24.42	25.4	0.5
20	PlZ BPSK	50	0	24.05	24.12	24.11	25.4	0.5
20	PlZ BPSK	50	28	24.38	24.52	24.41	25.9	0.0
20	PlZ BPSK	50	56	24.06	24.16	24.04	25.4	0.5
20	PlZ BPSK	100	0	24.10	24.13	24.05	25.4	0.5
20	QPSK	1	1	24.52	24.63	24.58	25.9	0.0
20	QPSK	1	53	24.45	24.54	24.49		
20	QPSK	1	104	24.42	24.56	24.51		
20	QPSK	50	0	24.01	24.10	24.05	25.4	0.5
20	QPSK	50	28	24.51	24.59	24.50	25.9	0.0
20	QPSK	50	56	24.14	24.19	24.09	25.4	0.5
20	QPSK	100	0	24.09	24.14	24.10	25.4	0.5
20	16QAM	1	1	23.65	23.78	23.69	24.9	1.0
20	64QAM	1	1	23.20	23.33	23.20	24.4	1.5
20	256QAM	1	1	22.71	22.84	22.73	23.9	2.0
Channel				164300	165300	166300	Tune-up limit	MPR
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)
15	QPSK	1	1	24.38	24.61	24.45	25.9	0.0
Channel				163800	165300	166800	Tune-up limit	MPR
Frequency (MHz)				810	831.5	844	(dBm)	(dB)
10	QPSK	1	1	24.37	24.61	24.56	25.9	0.0
Channel				163300	165300	166300	Tune-up limit	MPR
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)
5	QPSK	1	1	24.37	24.60	24.55	25.9	0.0

n26(FCC)_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)
Channel				824	831.5	839	25.5	0.0
Frequency (MHz)				24.16	24.24	24.15		
20	PlZ BPSK	1	1	24.16	24.29	24.28		
20	PlZ BPSK	1	53	24.16	24.24	24.15		
20	PlZ BPSK	1	104	24.23	24.28	24.15	25.0	0.5
20	PlZ BPSK	50	0	23.72	23.84	23.80	25.0	0.5
20	PlZ BPSK	50	28	24.25	24.32	24.25	25.5	0.0
20	PlZ BPSK	50	56	23.87	23.89	23.83	25.0	0.5
20	PlZ BPSK	100	0	23.85	23.87	23.82	25.0	0.5
20	QPSK	1	1	24.30	24.37	24.36	25.5	0.0
20	QPSK	1	53	24.10	24.25	24.13		
20	QPSK	1	104	24.26	24.29	24.18		
20	QPSK	50	0	23.72	23.83	23.74	25.0	0.5
20	QPSK	50	28	24.15	24.31	24.22	25.5	0.0
20	QPSK	50	56	23.73	23.86	23.72	25.0	0.5
20	QPSK	100	0	23.82	23.85	23.73	25.0	0.5
20	16QAM	1	1	23.43	23.54	23.53	24.5	1.0
20	64QAM	1	1	23.07	23.16	23.04	24.0	1.5
20	256QAM	1	1	22.68	22.72	22.65	23.5	2.0
Channel				164300	165300	166300	Tune-up limit	MPR
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)
15	QPSK	1	1	24.15	24.32	24.33	25.5	0.0
Channel				163800	165300	166800	Tune-up limit	MPR
Frequency (MHz)				810	831.5	844	(dBm)	(dB)
10	QPSK	1	1	24.15	24.23	24.34	25.5	0.0
Channel				163300	165300	166300	Tune-up limit	MPR
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)
5	QPSK	1	1	24.19	24.32	24.26	25.5	0.0

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	24.28	24.41	24.31			
40	Pl2 BPSK	1	108	24.43	24.52	24.42	25.9	0.0	
40	Pl2 BPSK	1	214	24.12	24.16	24.07			
40	Pl2 BPSK	108	0	24.04	24.06	23.96	25.4	0.5	
40	Pl2 BPSK	108	54	24.53	24.56	24.49	25.9	0.0	
40	Pl2 BPSK	108	108	23.92	23.94	23.90			
40	Pl2 BPSK	216	0	23.83	23.98	23.89	25.4	0.5	
40	QPSK	1	1	24.32	24.61	24.51			
40	QPSK	1	108	24.49	24.55	24.50	25.9	0.0	
40	QPSK	1	214	24.16	24.23	24.08			
40	QPSK	108	0	24.01	24.04	23.95	25.4	0.5	
40	QPSK	108	54	24.49	24.58	24.44	25.9	0.0	
40	QPSK	108	108	23.80	23.86	23.72			
40	QPSK	216	0	23.85	23.97	23.80	25.4	0.5	
40	16QAM	1	1	23.97	23.72	23.67	24.9	1.0	
40	64QAM	1	1	23.19	23.23	23.19	24.4	1.5	
40	256QAM	1	1	22.61	22.75	22.72	23.9	2.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	24.45	24.48	24.47	25.9	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	24.49	24.59	24.42	25.9	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.43	24.53	24.44	25.9	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.43	24.46	24.43	25.9	0.0	
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	24.41	24.59	24.37	25.9	0.0	

n66_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	23.68	23.79	23.60			
40	Pl2 BPSK	1	108	23.17	23.35	23.22	25.1	0.0	
40	Pl2 BPSK	1	214	23.18	23.35	23.16			
40	Pl2 BPSK	108	0	23.10	23.29	23.12	24.6	0.5	
40	Pl2 BPSK	108	54	23.40	23.57	23.42	25.1	0.0	
40	Pl2 BPSK	108	108	23.15	23.33	23.12			
40	Pl2 BPSK	216	0	22.80	23.03	22.82	24.6	0.5	
40	QPSK	1	1	23.75	23.84	23.63			
40	QPSK	1	108	23.31	23.40	23.17	25.1	0.0	
40	QPSK	1	214	23.13	23.24	23.12			
40	QPSK	108	0	23.17	23.32	23.11	24.6	0.5	
40	QPSK	108	54	23.32	23.48	23.30	25.1	0.0	
40	QPSK	108	108	23.06	23.28	23.11			
40	QPSK	216	0	22.78	22.81	22.80	24.6	0.5	
40	16QAM	1	1	22.98	23.07	22.86	24.1	1.0	
40	64QAM	1	1	22.38	22.58	22.42	23.6	1.5	
40	256QAM	1	1	21.91	22.06	21.84	23.1	2.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.62	23.72	23.58	25.1	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.09	23.78	23.48	25.1	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.62	23.79	23.48	25.1	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.65	23.80	23.61	25.1	0.0	
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.68	23.72	23.61	25.1	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	23.75	23.88	23.74			
40	Pl2 BPSK	1	108	23.46	23.59	23.51	25.3	0.0	
40	Pl2 BPSK	1	214	23.46	23.56	23.54			
40	Pl2 BPSK	108	0	23.54	23.61	23.58	25.3	0.0	
40	Pl2 BPSK	108	54	23.89	23.94	23.83	25.3	0.0	
40	Pl2 BPSK	108	108	23.39	23.45	23.43			
40	Pl2 BPSK	216	0	23.45	23.43	23.48	25.3	0.0	
40	QPSK	1	1	23.95	23.96	23.85			
40	QPSK	1	108	23.36	23.49	23.36	25.3	0.0	
40	QPSK	1	214	23.46	23.49	23.43			
40	QPSK	108	0	23.62	23.85	23.82	25.3	0.0	
40	QPSK	108	54	23.79	23.88	23.84	25.3	0.0	
40	QPSK	108	108	23.35	23.44	23.39			
40	QPSK	216	0	23.42	23.56	23.54	25.3	0.0	
40	16QAM	1	1	23.16	23.21	23.12	24.8	0.5	
40	64QAM	1	1	22.66	22.76	22.64	23.8	1.5	
40	256QAM	1	1	22.09	22.21	22.15	23.3	2.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.80	23.94	23.70	25.3	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.94	23.90	23.82	25.3	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.62	23.90	23.84	25.3	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.82	23.91	23.72	25.3	0.0	
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.87	23.88	23.84	25.3	0.0	

n66_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 346000	Power Middle Ch. Freq. 349000	Power High Ch. Freq. 350000	Tune-up limit (dbm)	MPR (db)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	21.61	21.63	21.61	23.0	0.0
40	PI2 BPSK	1	108	21.63	21.69	21.65		
40	PI2 BPSK	1	214	21.19	21.33	21.31		
40	PI2 BPSK	108	0	21.25	21.32	21.31		
40	PI2 BPSK	108	54	21.60	21.66	21.54	23.0	0.0
40	PI2 BPSK	108	108	20.99	21.13	21.04		
40	PI2 BPSK	216	0	21.17	21.19	21.05	22.5	0.5
40	QPSK	1	1	21.72	21.80	21.67		
40	QPSK	1	108	21.59	21.66	21.52		
40	QPSK	1	214	21.22	21.31	21.17	23.0	0.0
40	QPSK	108	0	21.25	21.32	21.22		
40	QPSK	108	54	21.67	21.74	21.73		
40	QPSK	108	108	21.04	21.12	21.02		
40	QPSK	216	0	21.05	21.20	21.15	22.5	0.5
40	16QAM	1	1	20.94	20.96	20.90		
40	64QAM	1	1	20.46	20.48	20.42		
40	256QAM	1	1	19.92	19.99	19.90		
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765	Tune-up limit (dbm)	MPR (db)
Channel								
30	QPSK	1	1	21.68	21.65	21.55	Tune-up limit (dbm)	MPR (db)
Channel								
20	QPSK	1	1	21.05	21.68	21.52	Tune-up limit (dbm)	MPR (db)
Channel								
20	QPSK	1	1	21.65	21.77	21.59	Tune-up limit (dbm)	MPR (db)
Channel								
20	QPSK	1	1	21.66	21.67	21.56	Tune-up limit (dbm)	MPR (db)
Channel								
15	QPSK	1	1	21.62	21.70	21.56	Tune-up limit (dbm)	MPR (db)
Channel								
15	QPSK	1	1	21.65	21.77	21.59	Tune-up limit (dbm)	MPR (db)
Channel								
15	QPSK	1	1	21.62	21.67	21.52	Tune-up limit (dbm)	MPR (db)

n38_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)				518004	519000	519996			
40	Pl2 BPSK	1	1	24.48	24.49	24.45	25.9	0.0	
40	Pl2 BPSK	1	53	24.34	24.46	24.42			
40	Pl2 BPSK	1	104	24.21	24.23	24.14			
40	Pl2 BPSK	50	0	23.99	24.00	23.99	25.4	0.5	
40	Pl2 BPSK	50	28	24.34	24.46	24.45	25.9	0.0	
40	Pl2 BPSK	50	56	23.88	23.96	23.88	25.4	0.5	
40	Pl2 BPSK	100	0	23.99	24.04	23.93			
40	QPSK	1	1	23.45	23.57	23.44			
40	QPSK	1	53	24.35	24.40	24.25	25.9	0.0	
40	QPSK	1	104	24.12	24.24	24.09	25.9	0.0	
40	QPSK	50	0	23.95	24.01	23.98			
40	QPSK	50	28	23.78	24.50	23.43			
40	QPSK	50	56	23.90	23.97	23.95	25.4	0.5	
40	QPSK	100	0	23.94	24.01	24.00			
40	16QAM	1	1	23.58	23.60	23.46	24.9	1.0	
40	64QAM	1	1	23.04	23.15	23.13	24.4	1.5	
40	256QAM	1	1	22.72	22.74	22.71	23.9	2.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dbm)	MPR (db)	
30	QPSK	1	1	24.13	24.48	24.40	25.9	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dbm)	MPR (db)	
20	QPSK	1	1	24.42	24.51	24.42	25.9	0.0	
Channel									
Frequency (MHz)				515002	519000	522998	Tune-up limit (dbm)	MPR (db)	
15	QPSK	1	1	24.44	24.48	24.38	25.9	0.0	
Channel									
Frequency (MHz)				517002	519000	522998	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	1	24.41	24.47	24.30	25.9	0.0	

n38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
40	P2 BPSK	1	1	23.81	23.91	23.78	25.2	0.0	
40	P2 BPSK	1	53	23.81	23.93	23.92			
40	P2 BPSK	1	104	23.62	23.74	23.59			
40	P2 BPSK	50	0	23.31	23.46	23.42	24.7	0.5	
40	P2 BPSK	50	28	23.89	23.94	23.91	25.2	0.0	
40	P2 BPSK	50	56	23.27	23.36	23.31	24.7	0.5	
40	P2 BPSK	100	0	23.30	23.45	23.39			
40	QPSK	1	1	23.88	23.92	23.82			
40	QPSK	1	53	23.65	23.80	23.68	25.2	0.0	
40	QPSK	1	104	23.67	23.75	23.72	25.2	0.0	
40	QPSK	50	0	23.58	23.64	23.53			
40	QPSK	50	28	23.53	23.98	23.94			
40	QPSK	50	56	23.51	23.54	23.50	24.7	0.5	
40	QPSK	100	0	23.42	23.44	23.31			
40	16QAM	1	1	23.14	23.15	23.05	24.7	0.5	
40	64QAM	1	1	22.92	22.93	22.92	23.7	1.5	
40	256QAM	1	1	22.15	22.18	22.06	23.7	1.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.87	23.88	23.82	25.2	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				516000	519000	522000	25.2	0.0	
20	QPSK	1	1	23.74	23.83	23.80	25.2	0.0	
Channel				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2077.51	2095	2012.49	25.2	0.0	
15	QPSK	1	1	23.77	23.88	23.86	25.2	0.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2076.02	2095	2014.86	25.2	0.0	
10	QPSK	1	1	23.82	23.97	23.80	25.2	0.0	

n38_Ant 11									
BW (MHz)	Modulation	RB 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	Pl2 BPSK	1	1	23.88	23.97	23.96	25.4	0.0	
40	Pl2 BPSK	1	53	24.02	24.05	23.98			
40	Pl2 BPSK	1	104	23.63	23.69	23.59			
40	Pl2 BPSK	50	0	23.62	23.64	23.61	24.9	0.5	
40	Pl2 BPSK	50	28	23.99	24.01	23.89	25.4	0.0	
40	Pl2 BPSK	50	56	23.49	23.59	23.39	24.9	0.5	
40	Pl2 BPSK	100	0	23.49	23.63	23.61			
40	QPSK	1	1	23.95	23.98	23.96			
40	QPSK	1	53	23.92	24.02	23.87	25.4	0.0	
40	QPSK	1	104	23.89	23.96	23.95	25.4	0.0	
40	QPSK	50	0	23.46	23.54	23.49			
40	QPSK	50	28	23.76	24.01	23.84			
40	QPSK	50	56	23.48	23.57	23.50	24.9	0.5	
40	QPSK	100	0	23.51	23.63	23.60			
40	16QAM	1	1	23.23	23.26	23.20	24.9	0.5	
40	64QAM	1	1	22.76	22.79	22.72	23.9	1.5	
40	256QAM	1	1	22.34	22.41	22.38	23.9	1.5	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.91	23.97	23.95	25.4	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.86	24.04	23.93	25.4	0.0	
Channel									
Frequency (MHz)				517002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.86	24.00	23.85	25.4	0.0	
Channel									
Frequency (MHz)				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.82	24.01	23.85	25.4	0.0	

n38_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	PQ2 BPSK	1	1	20.73	20.79	20.67			
40	PQ2 BPSK	1	53	20.82	20.93	20.83	22.4	0.0	
40	PQ2 BPSK	1	104	20.86	20.88	20.79			
40	PQ2 BPSK	50	0	20.20	20.27	20.23	21.9	0.5	
40	PQ2 BPSK	50	28	20.85	20.95	20.81	22.4	0.0	
40	PQ2 BPSK	50	56	20.38					
40	PQ2 BPSK	100	0	20.32	20.44	20.35	21.9	0.5	
40	QPSK	1	1	20.52	21.10	20.38			
40	QPSK	1	53	20.86	20.90	20.88	22.4	0.0	
40	QPSK	1	104	20.78	20.87	20.73			
40	QPSK	50	0	20.43	20.53	20.45			
40	QPSK	50	28	20.70	20.51	20.11	22.4	0.0	
40	QPSK	50	56	20.46	20.51	20.43			
40	QPSK	100	0	20.40		20.37	21.9	0.5	
40	16QAM	1	1	19.98	20.13	20.02	21.4	1.0	
40	64QAM	1	1	19.64	19.73	19.64	20.9	1.5	
40	256QAM	1	1	19.19	19.31	19.23	20.9	1.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	517002	516900	520998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	516502	516500	522000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	515502	515500	522998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	514502	514500	523998	Tune-up limit (dBm)	MPR (dB)	

FCC_n41_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	PQ2 BPSK	1	1	21.73	21.91	21.85			
100	PQ2 BPSK	1	137	21.73	21.86	21.78	23.2	0.0	
100	PQ2 BPSK	1	271	21.66	21.72	21.62			
100	PQ2 BPSK	135	0	21.73	21.81	21.76	23.2	0.0	
100	PQ2 BPSK	135	69	21.73	21.86	21.72	23.2	0.0	
100	PQ2 BPSK	135	138	21.83	21.84	21.81			
100	PQ2 BPSK	270	0	21.83	21.86	21.85			
100	QPSK	1	1	21.80	21.82	21.84			
100	QPSK	1	137	21.78	21.85	21.70	23.2	0.0	
100	QPSK	1	271	21.60	21.71	21.67			
100	QPSK	135	0	21.78	21.82	21.73	23.2	0.0	
100	QPSK	135	69	21.81	21.85	21.80			
100	QPSK	135	138	21.76	21.86	21.84			
100	QPSK	270	0	21.78	21.84	21.77	23.2	0.0	
100	16QAM	1	1	21.67	21.77	21.75	23.2	0.0	
100	64QAM	1	1	21.75	21.79	21.85	23.2	0.0	
100	256QAM	1	1	21.31	21.36	21.35	22.7	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.75	21.81	21.80	23.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.76	21.81	21.77	23.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.66	21.85	21.74	23.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.76	21.79	21.77	23.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.73	21.81	21.79	23.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.85	21.88	21.71	23.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.68	21.79	21.72	23.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.65	21.50	21.75	23.2	0.0	

FCC_n41(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	PQ2 BPSK	1	1	24.71	24.76	24.70			
100	PQ2 BPSK	1	137	24.73	24.83	24.71	26.2	0.0	
100	PQ2 BPSK	1	271	24.80	24.86	24.72			
100	PQ2 BPSK	135	0	24.30	24.36	24.27	25.7	0.5	
100	PQ2 BPSK	135	69	24.70	24.71	24.63	26.2		0.0
100	PQ2 BPSK	135	138	24.28	24.37	24.27		25.7	0.5
100	PQ2 BPSK	270	0	24.22	24.28	24.13	25.7		0.5
100	QPSK	1	1	24.53	25.02	24.38			
100	QPSK	1	137	24.69	24.74	24.66	26.2	0.0	
100	QPSK	1	271	24.76	24.84	24.75			
100	QPSK	135	0	24.33	24.45	24.31			
100	QPSK	135	69	24.71	24.82	24.61	26.2	0.0	
100	QPSK	135	138	24.37	24.40	24.27			
100	QPSK	270	0	24.33	24.36	24.35	25.7	0.5	
100	16QAM	1	1	24.33	24.39	24.28	25.7	0.5	
100	64QAM	1	1	23.86	23.79	23.85	25.2	1.0	
100	256QAM	1	1	23.48	23.60	23.51	24.2	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.43	24.49	24.48	25.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.90	24.94	24.86	26.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.90	24.99	24.92	26.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.88	24.94	24.86	26.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.87	25.01	24.86	26.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.87	25.01	24.86	26.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.85	25.01	24.95	26.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.51	25.00	24.58	26.2	0.0	

FCC_n41_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506020	518958	526900			
100	P2 BPSK	1	1	21.37	21.47	21.49	22.5	0.0	
100	P2 BPSK	1	137	21.34	21.37	21.25			
100	P2 BPSK	1	271	21.27	21.30	21.16			
100	P2 BPSK	135	0	21.34	21.43	21.32	22.5	0.0	
100	P2 BPSK	135	69	21.27	21.41	21.38	22.5	0.0	
100	P2 BPSK	135	135	21.37	21.38	21.31	22.5	0.0	
100	P2 BPSK	270	0	21.31	21.39	21.32	22.5	0.0	
100	QPSK	1	1	21.32	21.55	21.46			
100	QPSK	1	137	21.28	21.38	21.32			
100	QPSK	1	271	21.00	21.04	20.93	22.5	0.0	
100	QPSK	135	0	21.35	21.45	21.33			
100	QPSK	135	69	21.31	21.53	21.61			
100	QPSK	135	135	21.35	21.47	21.33	22.5	0.0	
100	QPSK	270	0	21.37	21.41	21.33			
100	16QAM	1	1	21.20	21.35	21.31	22.5	0.0	
100	64QAM	1	1	21.33	21.38	21.32	22.5	0.0	
100	256QAM	1	1	21.32	21.38	21.32	22.5	0.0	
Channel									
Frequency (MHz)				506200	518998	526996	Tune-up limit (dBm)	MPR	
90	QPSK	1	1	21.41	21.52	21.44	22.5	0.0	
Channel									
Frequency (MHz)				507204	518998	526998	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	21.41	21.47	21.45	22.5	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2605	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	21.44	21.53	21.31	22.5	0.0	
Channel									
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	21.37	21.46	21.42	22.5	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	21.35	21.43	21.39	22.5	0.0	
Channel									
Frequency (MHz)				502202	518998	534000	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	21.44	21.53	21.32	22.5	0.0	
Channel									
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	21.48	21.50	21.44	22.5	0.0	
Channel									
Frequency (MHz)				2546.02	2592.99	2679.99	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	21.46	21.45	21.42	22.5	0.0	

FCC_n41(HPUe)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)				506202	518998	526990	2641		
100	Pl2 BPSK	1	1	24.41	24.51	24.45	24.41	25.5	0.0
100	Pl2 BPSK	1	137	24.46	24.45	24.42	24.41		
100	Pl2 BPSK	1	271	24.15	24.25	24.21	24.41		
100	Pl2 BPSK	135	0	23.61	23.75	23.68	23.68	25.0	0.5
100	Pl2 BPSK	135	69	24.32	24.42	24.39	24.39	25.5	0.0
100	Pl2 BPSK	135	135	23.68	23.78	23.69	23.69	25.0	0.5
100	Pl2 BPSK	270	0	23.79	23.88	23.85	23.85	25.5	0.0
100	QPSK	1	1	21.54	21.58	21.45	21.45		
100	QPSK	1	137	24.42	24.47	24.40	24.40		
100	QPSK	1	271	24.15	24.17	24.13	24.13	25.5	0.0
100	QPSK	135	0	24.08	24.19	24.16	24.16		
100	QPSK	135	69	24.35	24.47	24.34	24.34		
100	QPSK	135	135	24.06	24.16	24.08	24.08	25.0	0.5
100	QPSK	270	0	23.79	23.81	23.73	23.73		
100	16QAM	1	1	23.77	23.88	23.75	23.75	25.0	0.5
100	64QAM	1	1	23.37	23.37	23.22	23.22	24.5	1.0
100	256QAM	1	1	22.65	22.76	22.75	22.75	24.0	1.5
Channel									
Frequency (MHz)				506200	518998	526996	2641	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.48	24.55	24.47	24.47	25.5	0.0
Channel									
Frequency (MHz)				507204	518998	526998	2641	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.51	24.48	24.42	24.42	25.5	0.0
Channel									
Frequency (MHz)				2531.01	2592.99	2605	2605	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	24.52	24.54	24.45	24.45	25.5	0.0
Channel									
Frequency (MHz)				505200	518998	531996	2641	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	24.46	24.56	24.43	24.43	25.5	0.0
Channel									
Frequency (MHz)				504204	518998	532998	2641	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	24.48	24.50	24.40	24.40	25.5	0.0
Channel									
Frequency (MHz)				503202	518998	534000	2641	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	24.48	24.48	24.45	24.45	25.5	0.0
Channel									
Frequency (MHz)				502204	518998	535998	2641	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.46	24.55	24.38	24.38	25.5	0.0
Channel									
Frequency (MHz)				501204	518998	536998	2641	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	24.46	24.53	24.42	24.42	25.5	0.0

FCC_n41_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506020	518998	526000			
100	Pl2 BPSK	1	1	21.43	21.54	21.51	22.7	0.0	
100	Pl2 BPSK	1	137	21.26	21.41	21.27			
100	Pl2 BPSK	1	271	21.21	21.23	21.17			
100	Pl2 BPSK	135	0	21.36	21.47	21.36	22.2	0.5	
100	Pl2 BPSK	135	69	21.42	21.46	21.42	22.7	0.0	
100	Pl2 BPSK	135	136	21.51	21.54	21.51	22.2	0.5	
100	Pl2 BPSK	270	0	21.41	21.48	21.41	22.7	0.0	
100	QPSK	1	1	21.51	21.56	21.53			
100	QPSK	1	137	21.35	21.41	21.31			
100	QPSK	1	271	21.13	21.16	21.03	22.7	0.0	
100	QPSK	135	0	21.41	21.51	21.38			
100	QPSK	135	69	21.70	21.55	21.61			
100	QPSK	135	138	21.45	21.52	21.44	22.7	0.0	
100	QPSK	270	0	21.43	21.49	21.36			
100	16QAM	1	1	21.31	21.38	21.35	22.7	0.0	
100	64QAM	1	1	21.35	21.38	21.37	22.7	0.0	
100	256QAM	1	1	21.43	21.47	21.42	22.7	0.0	
Channel									
Frequency (MHz)				506200	518998	526996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.50	21.42	21.50	22.7	0.0	
Channel									
Frequency (MHz)				507204	518998	526998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.41	21.41	21.41	22.7	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2605	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	21.50	21.54	21.47	22.7	0.0	
Channel									
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	21.48	21.43	21.37	22.7	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	21.49	21.48	21.49	22.7	0.0	
Channel									
Frequency (MHz)				503020	518998	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	21.56	21.52	21.50	22.7	0.0	
Channel									
Frequency (MHz)				502204	518998	534996	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.11	21.49	21.50	22.7	0.0	
Channel									
Frequency (MHz)				507200	518998	532998	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.38	21.51	21.41	22.7	0.0	

Part27Q_n77_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power High Ch. / Freq.	Power Holt Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	22.30			24.2	0.0	
100	Pl2 BPSK	1	137	22.36					
100	Pl2 BPSK	1	271	22.40					
100	Pl2 BPSK	135	0	22.80			24.2	0.0	
100	Pl2 BPSK	135	69	23.30			24.2	0.0	
100	Pl2 BPSK	135	138	22.93			24.2	0.0	
100	Pl2 BPSK	270	0	22.87					
100	QPSK	1	1	22.27					
100	QPSK	1	137	22.43			24.2	0.0	
100	QPSK	1	271	22.28			24.2	0.0	
100	QPSK	135	0	22.80					
100	QPSK	135	69	23.36					
100	QPSK	135	138	22.92			23.7	0.5	
100	QPSK	270	0	22.83					
100	16QAM	1	1	21.57					
100	64QAM	1	1	21.05			23.2	1.0	
100	256QAM	1	1	20.72			22.2	2.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
80	QPSK	1	120	22.29	22.25	22.23	24.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3503.90	(dB)		
80	QPSK	1	109	22.24	22.31	22.35	24.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	95	22.31	22.30	22.22	24.2	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dB)		
60	QPSK	1	81	22.33	22.32	22.29	24.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dB)		
50	QPSK	1	67	22.31	22.35	22.32	24.2	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	53	22.36	22.26	22.24	24.2	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	39	22.35	22.34	22.22	24.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dB)		
20	QPSK	1	26	22.33	22.25	22.28	24.2	0.0	

Part27Q_n77_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				650000		650000	3600		
Frequency (MHz)				3750		3840			
100	Pl2 BPSK	1	1	22.26	22.21	22.23	24.2	0.0	
100	Pl2 BPSK	1	137	22.34	22.32	22.34			
100	Pl2 BPSK	1	271	22.34	22.52	22.54			
100	Pl2 BPSK	135	0	22.76	22.79	22.79	24.2	0.0	
100	Pl2 BPSK	135	69	23.31	23.36	23.35	24.2	0.0	
100	Pl2 BPSK	135	138	22.90	22.82	22.87	24.2	0.0	
100	Pl2 BPSK	270	0	22.74	22.74	22.73			
100	QPSK	1	1	22.20	22.20	22.20			
100	QPSK	1	137	22.48	22.50	22.48	24.2	0.0	
100	QPSK	1	271	22.43	22.35	22.34	24.2	0.0	
100	QPSK	135	0	22.77	22.75	22.80			
100	QPSK	135	69	23.34	23.43	23.38			
100	QPSK	135	138	22.87	22.82	22.86	23.7	0.5	
100	QPSK	270	0	22.87	22.77	22.75			
100	16QAM	1	1	21.44	21.45	21.41			
100	64QAM	1	1	21.12	21.04	21.08	22.7	1.5	
100	256QAM	1	1	20.87	20.83	20.87	22.2	2.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3740	3741.98	(dB)		
80	QPSK	1	120	22.38	22.43	22.48	24.2	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3859.98	(dB)		
80	QPSK	1	109	22.40	22.49	22.36	24.2	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dB)		
70	QPSK	1	95	22.43	22.46	22.42	24.2	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3941.98	(dB)		
60	QPSK	1	81	22.37	22.44	22.48	24.2	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3941.98	(dB)		
50	QPSK	1	67	22.35	22.47	22.38	24.2	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3941.98	(dB)		
40	QPSK	1	53	22.35	22.36	22.48	24.2	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3941.98	(dB)		
30	QPSK	1	39	22.46	22.40	22.38	24.2	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3941.98	(dB)		
20	QPSK	1	26	22.37	22.37	22.44	24.2	0.0	

Part27Q_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	21.61			23.4	0.0	
100	Pl2 BPSK	1	137	21.53					
100	Pl2 BPSK	1	271	21.85					
100	Pl2 BPSK	135	0	21.88			22.9	0.5	
100	Pl2 BPSK	135	69	22.24			22.4	0.0	
100	Pl2 BPSK	135	138	21.96			22.9	0.5	
100	Pl2 BPSK	270	0	21.62					
100	QPSK	1	1	21.57					
100	QPSK	1	137	21.75			23.4	0.0	
100	QPSK	1	271	21.65			23.4	0.0	
100	QPSK	135	0	21.81					
100	QPSK	135	69	22.31					
100	QPSK	135	138	22.04			23.4	0.0	
100	QPSK	270	0	21.67					
100	16QAM	1	1	20.86					
100	64QAM	1	1	20.30			22.4	1.5	
100	256QAM	1	1	19.81			21.4	2.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
80	QPSK	1	120	21.62	21.54	21.56	23.4	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510	(dB)		
80	QPSK	1	109	21.52	21.53	21.56	23.4	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	95	21.53	21.56	21.66	23.4	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	(dB)		
60	QPSK	1	81	21.52	21.66	21.56	23.4	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	(dB)		
50	QPSK	1	67	21.58	21.63	21.57	23.4	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	53	21.53	21.56	21.65	23.4	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	39	21.57	21.54	21.62	23.4	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.00	3499.98	3540	(dB)		
20	QPSK	1	26	21.59	21.63	21.65	23.4	0.0	

Part270_n77_Ant 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 660001	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1	21.96	22.01	22.01				
100	Pl2 BPSK	1	137	22.07	22.12	22.10	23.4	0.0		
100	Pl2 BPSK	1	271	22.21	22.19	22.27				
100	Pl2 BPSK	135	0	22.83	22.80	22.81	23.4	0.0		
100	Pl2 BPSK	135	69	23.01	23.03	23.07	23.4	0.0		
100	Pl2 BPSK	135	138	22.80	22.71	22.73	23.4	0.0		
100	Pl2 BPSK	270	0	22.70	22.81	22.86				
100	QPSK	1	1	21.98	21.94	22.01				
100	QPSK	1	137	22.17	22.23	22.21	23.4	0.0		
100	QPSK	1	271	22.07	22.16	22.15				
100	QPSK	135	0	22.51	22.51	22.51				
100	QPSK	135	69	22.76	22.11	22.04	23.4	0.0		
100	QPSK	135	138	22.76	22.70	22.67				
100	QPSK	270	0	22.55	22.59	22.56	23.4	0.0		
100	16QAM	1	1	21.17	21.19	21.26	22.4	1.0		
100	48QAM	1	1	20.74	20.71	20.70	21.6	1.5		
100	256QAM	1	1	20.41	20.40	20.42	21.4	2.0		
Channel										
80	QPSK	1	120	649868	650000	662332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3745.02	3840	3924.98	(dBm)	(dB)		
Channel										
80	QPSK	1	109	648334	650000	663666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)		
80	QPSK	1	109	22.05	22.00	21.97	23.4	0.0		
Channel										
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)		
70	QPSK	1	95	22.01	21.91	22.09	23.4	0.0		
Channel										
Frequency (MHz)				648668	650000	663332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3724.02	3840	3949.98	(dBm)	(dB)		
60	QPSK	1	81	21.97	22.02	22.00	23.4	0.0		
Channel										
Frequency (MHz)				648334	650000	663666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)		
50	QPSK	1	67	21.53	22.02	22.00	23.4	0.0		
Channel										
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)		
40	QPSK	1	53	22.02	21.94	22.07	23.4	0.0		
Channel										
Frequency (MHz)				647668	650000	664332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3954.98	(dBm)	(dB)		
30	QPSK	1	39	21.95	21.92	22.05	23.4	0.0		
Channel										
Frequency (MHz)				647334	650000	664666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3710.01	3840	3959.99	(dBm)	(dB)		
20	QPSK	1	26	21.54	21.54	22.03	23.4	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1		20.36					
100	Pl2 BPSK	1	137		20.82		22.7	0.0		
100	Pl2 BPSK	1	271		20.81					
100	Pl2 BPSK	135	0		20.83		22.7	0.0		
100	Pl2 BPSK	135	69		21.28		22.7	0.0		
100	Pl2 BPSK	135	138		20.97		22.7	0.0		
100	Pl2 BPSK	270	0		20.70					
100	QPSK	1	1		20.37					
100	QPSK	1	137		20.52		22.7	0.0		
100	QPSK	1	271		20.83					
100	QPSK	135	0		20.82		22.7	0.0		
100	QPSK	135	69		21.32					
100	QPSK	135	138		21.08					
100	QPSK	270	0		20.75		22.7	0.0		
100	16QAM	1	1		19.70		21.7	1.0		
100	16QAM	1	1		19.22		21.2	1.5		
100	256QAM	1	1		18.78		20.7	2.0		
Channel										
80	QPSK	1	120	633000	633332	633668	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3405	3499.98	3504.98	(dBm)	(dB)		
80	QPSK	1	109	632668	633332	634000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3400.02	3499.98	3510	(dBm)	(dB)		
80	QPSK	1	109	20.76	20.75	20.90	22.7	0.0		
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3400	3499.98	3519.98	(dBm)	(dB)		
70	QPSK	1	95	20.80	20.73	20.85	22.7	0.0		
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3400	3499.98	3519.98	(dBm)	(dB)		
60	QPSK	1	81	20.77	20.79	20.76	22.7	0.0		
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)		
50	QPSK	1	67	20.70	20.74	20.79	22.7	0.0		
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)		
40	QPSK	1	53	20.75	20.72	20.76	22.7	0.0		
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)		
30	QPSK	1	39	20.78	20.79	20.81	22.7	0.0		
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)		
20	QPSK	1	26	20.80	20.70	20.82	22.7	0.0		

Part270_n77_Ant 6										
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	Pl2 BPSK	1	1	20.66	20.62	20.65				
100	Pl2 BPSK	1	137	21.07	21.01	21.07	22.7	0.0		
100	Pl2 BPSK	1	271	21.26	21.25	21.20				
100	Pl2 BPSK	135	0	21.31	21.36	21.44	22.7	0.0		
100	Pl2 BPSK	135	69	21.78	21.82	21.86	22.7	0.0		
100	Pl2 BPSK	135	138	21.53	21.44	21.46	22.7	0.0		
100	Pl2 BPSK	270	0	21.37	21.32	21.29				
100	QPSK	1	1	20.62	20.65	20.74				
100	QPSK	1	137	21.31	21.33	21.24	22.7	0.0		
100	QPSK	1	271	21.07	21.02	20.98				
100	QPSK	135	0	21.38	21.42	21.43				
100	QPSK	135	69	21.65	21.52	21.64	22.7	0.0		
100	QPSK	135	138	21.48	21.50	21.49				
100	QPSK	270	0	21.26	21.35	21.30	22.7	0.0		
100	IQAM	1	1	20.07	20.09	20.18	21.7	1.0		
100	IQAM	1	1	19.55	19.52	19.54	21.2	1.5		
100	256QAM	1	1	19.18	19.23	19.22	20.7	2.0		
Channel										
80	QPSK	1	120	649668	650000	662332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3745.02	3840	3924.98	(dBm)	(dB)		
80	QPSK	1	109	648334	650000	663666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)		
80	QPSK	1	109	21.28	21.26	21.18	22.7	0.0		
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)		
70	QPSK	1	95	21.21	21.21	21.16	22.7	0.0		
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3724.02	3840	3949.98	(dBm)	(dB)		
60	QPSK	1	81	21.18	21.31	21.12	22.7	0.0		
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)		
50	QPSK	1	67	21.24	21.30	21.12	22.7	0.0		
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)		
40	QPSK	1	53	21.30	21.23	21.22	22.7	0.0		
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3954.98	(dBm)	(dB)		
30	QPSK	1	39	21.17	21.24	21.12	22.7	0.0		
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3710.01	3840	3959.99	(dBm)	(dB)		
20	QPSK	1	26	21.30	21.20	21.12	22.7	0.0		

Part27Q_n77_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.36					
100	Pl2 BPSK	1	137	20.28			22.2	0.0	
100	Pl2 BPSK	1	271	20.51					
100	Pl2 BPSK	135	0	20.48			22.2	0.0	
100	Pl2 BPSK	135	69	20.52			22.2	0.0	
100	Pl2 BPSK	135	138	20.76			22.2	0.0	
100	Pl2 BPSK	270	0	20.56					
100	QPSK	1	1	20.37					
100	QPSK	1	137	20.40			22.2	0.0	
100	QPSK	1	271	20.37					
100	QPSK	135	0	20.50			22.2	0.0	
100	QPSK	135	69	21.00					
100	QPSK	135	138	20.68					
100	QPSK	270	0	20.46			22.2	0.0	
100	16QAM	1	1	19.31			21.2	1.0	
100	64QAM	1	1	19.92			20.7	1.5	
100	256QAM	1	1	18.44			20.2	2.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
80	QPSK	1	120	20.40	20.42	20.36	22.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dB)		
80	QPSK	1	109	20.33	20.34	20.38	22.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	95	20.41	20.45	20.39	22.2	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dB)		
60	QPSK	1	81	20.32	20.34	20.46	22.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dB)		
50	QPSK	1	67	20.42	20.39	20.32	22.2	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	53	20.43	20.44	20.37	22.2	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	39	20.45	20.41	20.45	22.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dB)		
20	QPSK	1	26	20.43	20.41	20.42	22.2	0.0	

Part27Q_n77_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750			
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.25	20.23	20.32			
100	Pl2 BPSK	1	137	20.40	20.43	20.44	22.2	0.0	
100	Pl2 BPSK	1	271	20.67	20.72	20.73			
100	Pl2 BPSK	135	0	20.81	20.74	20.81	22.2	0.0	
100	Pl2 BPSK	135	69	21.48	21.45	21.46	22.2	0.0	
100	Pl2 BPSK	135	138	20.99	21.04	21.13	22.2	0.0	
100	Pl2 BPSK	270	0	20.92	20.93	20.91			
100	QPSK	1	1	20.35	20.30	20.27			
100	QPSK	1	137	20.68	20.72	20.76	22.2	0.0	
100	QPSK	1	271	20.67	20.63	20.67			
100	QPSK	135	0	20.83	20.74	20.74	22.2	0.0	
100	QPSK	135	69	21.77	21.56	21.66			
100	QPSK	135	138	21.10	21.11	21.11			
100	QPSK	270	0	20.88	21.04	21.00	22.2	0.0	
100	16QAM	1	1	19.32	19.37	19.34	21.2	1.0	
100	64QAM	1	1	19.93	19.94	19.93	21.2	1.0	
100	256QAM	1	1	18.64	18.55	18.64	19.7	2.5	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3740	3744.98	(dB)		
80	QPSK	1	120	20.39	20.32	20.30	22.2	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3859.98	(dB)		
80	QPSK	1	109	20.41	20.28	20.31	22.2	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dB)		
70	QPSK	1	95	20.31	20.30	20.30	22.2	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3941.98	(dB)		
60	QPSK	1	81	20.36	20.35	20.34	22.2	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3944.98	(dB)		
50	QPSK	1	67	20.37	20.31	20.35	22.2	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dB)		
40	QPSK	1	53	20.44	20.30	20.24	22.2	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3954.98	(dB)		
30	QPSK	1	39	20.39	20.34	20.29	22.2	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3959.98	(dB)		
20	QPSK	1	26	20.33	20.28	20.34	22.2	0.0	

Part27Q_n78_Ant 9									
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				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	23.30					
100	Pl2 BPSK	1	137	23.43			24.2	0.0	
100	Pl2 BPSK	1	271	23.30					
100	Pl2 BPSK	135	0	23.43			24.2	0.0	
100	Pl2 BPSK	135	69	23.39			24.2	0.0	
100	Pl2 BPSK	135	138	23.44			24.2	0.0	
100	Pl2 BPSK	270	0	23.46					
100	QPSK	1	1	23.42					
100	QPSK	1	137	23.46			24.2	0.0	
100	QPSK	1	271	23.26					
100	QPSK	135	0	23.37			24.2	0.0	
100	QPSK	135	69	23.41					
100	QPSK	135	138	23.36			24.2	0.0	
100	QPSK	270	0	23.36			24.2	0.0	
100	16QAM	1	1	23.38			24.2	0.0	
100	256QAM	1	1	23.33			24.2	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
80	QPSK	1	120	23.47	23.34	23.43	24.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510	(dB)		
80	QPSK	1	109	23.40	23.47	23.46	24.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	95	23.34	23.43	23.36	24.2	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	(dB)		
60	QPSK	1	81	23.36	23.39	23.38	24.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	(dB)		
50	QPSK	1	67	23.40	23.44	23.42	24.2	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	53	23.35	23.44	23.42	24.2	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	39	23.36	23.34	23.35	24.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.00	3499.98	3540	(dB)		
20	QPSK	1	26	23.41	23.39	23.37	24.2	0.0	

Part270_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	22.86				24.2	0.0
100	Pl2 BPSK	1	137	23.16					
100	Pl2 BPSK	1	271	23.08					
100	Pl2 BPSK	135	0	23.16				24.2	0.0
100	Pl2 BPSK	135	69	23.14				24.2	0.0
100	Pl2 BPSK	135	138	23.18				24.2	0.0
100	Pl2 BPSK	270	0	23.11				24.2	0.0
100	QPSK	1	1	23.17					
100	QPSK	1	137	23.18					
100	QPSK	1	271	23.10				24.2	0.0
100	QPSK	135	0	23.11					
100	QPSK	135	69	23.17					
100	QPSK	135	138	23.13				24.2	0.0
100	QPSK	270	0	23.13				24.2	0.0
100	16QAM	1	1	22.92				24.2	0.0
100	64QAM	1	1	22.95				24.2	0.0
100	256QAM	1	1	23.18				24.2	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	120	23.15	23.08	23.17	24.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	23.13	23.12	23.04	24.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	95	23.10	23.10	23.16	24.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	23.06	23.13	23.04	24.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	23.11	23.13	23.11	24.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	23.08	23.08	23.16	24.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	39	23.17	23.11	23.08	24.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	23.12	23.10	23.15	24.2	0.0	

Part27Q_n78(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)									
633332									
3499.98									
100	Pl2 BPSK	1	1	26.01			27.2	0.0	
100	Pl2 BPSK	1	137	26.20					
100	Pl2 BPSK	1	271	26.15					
100	Pl2 BPSK	135	0	25.66			26.7	0.5	
100	Pl2 BPSK	135	69	26.23			27.2	0.0	
100	Pl2 BPSK	135	138	25.92			26.7	0.5	
100	Pl2 BPSK	270	0	26.70			27.2	0.0	
100	QPSK	1	1	26.24					
100	QPSK	1	137	26.27					
100	QPSK	1	271	26.19			27.2	0.0	
100	QPSK	135	0	25.29					
100	QPSK	135	69	26.23					
100	QPSK	135	138	25.35			26.2	1.0	
100	QPSK	270	0	25.12					
100	16QAM	1	1	25.57					
100	64QAM	1	1	26.50			25.7	1.5	
100	256QAM	1	1	24.62			25.7	1.5	
Channel									
Frequency (MHz)									
633000									
3499.98									
90	QPSK	1	120	26.05	26.09	26.17	27.2	0.0	
Channel									
Frequency (MHz)									
633000									
80	QPSK	1	109	26.12	26.15	26.10	27.2	0.0	
Channel									
Frequency (MHz)									
633000									
70	QPSK	1	95	26.18	26.05	26.04	27.2	0.0	
Channel									
Frequency (MHz)									
633000									
60	QPSK	1	81	26.15	26.09	26.07	27.2	0.0	
Channel									
Frequency (MHz)									
633000									
50	QPSK	1	67	26.11	26.09	26.09	27.2	0.0	
Channel									
Frequency (MHz)									
633000									
40	QPSK	1	53	26.09	26.05	26.04	27.2	0.0	
Channel									
Frequency (MHz)									
633000									
30	QPSK	1	39	26.15	26.12	26.06	27.2	0.0	
Channel									
Frequency (MHz)									
633000									
20	QPSK	1	26	26.14	26.11	26.16	27.2	0.0	

Part270_n78(HPUE)_Ant 9									
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)									
650000									
100	Pl2 BPSK	1	1	25.82					
100	Pl2 BPSK	1	137	26.04				27.2	0.0
100	Pl2 BPSK	1	271	25.96					
100	Pl2 BPSK	135	0	25.44				26.7	0.5
100	Pl2 BPSK	135	69	26.00				27.2	0.0
100	Pl2 BPSK	135	138	25.83				26.7	0.5
100	Pl2 BPSK	270	0	25.47					
100	QPSK	1	1	26.06					
100	QPSK	1	137	26.14				27.2	0.0
100	QPSK	1	271	26.02					
100	QPSK	135	0	25.20					
100	QPSK	135	69	26.06					
100	QPSK	135	138	25.22				27.2	0.0
100	QPSK	270	0	24.91				26.2	1.0
100	16QAM	1	1	25.47				26.7	0.5
100	64QAM	1	1	24.53				26.1	1.5
100	256QAM	1	1	24.39				25.7	1.5
Channel									
Frequency (MHz)									
650000									
90	QPSK	1	120	26.02	3750	3754.98	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
80	QPSK	1	109	25.96	3750	3759.99	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
75	QPSK	1	95	25.92	3750	3765	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
70	QPSK	1	85	25.92	3750	3765	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
60	QPSK	1	81	25.91	3750	3764	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
50	QPSK	1	67	26.03	3750	3764.99	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
40	QPSK	1	53	25.93	3750	3760	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
30	QPSK	1	39	26.01	3750	3764.98	27.2	0.0	MPR (dB)
Channel									
Frequency (MHz)									
650000									
20	QPSK	1	26	26.08	3750	3768.96	26.3	27.2	0.0

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	24.3	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	22.75			24.3	0.0	
100	Pl2 BPSK	1	137	22.84					
100	Pl2 BPSK	1	271	22.80					
100	Pl2 BPSK	135	0	22.46			24.3	0.0	
100	Pl2 BPSK	135	69	22.89			24.3	0.0	
100	Pl2 BPSK	135	138	22.76			24.3	0.0	
100	Pl2 BPSK	270	0	22.68			24.3	0.0	
100	QPSK	1	1	22.93					
100	QPSK	1	137	22.95					
100	QPSK	1	271	22.89			24.3	0.0	
100	QPSK	135	0	22.62					
100	QPSK	135	69	22.85					
100	QPSK	135	138	22.74			24.3	0.0	
100	QPSK	270	0	22.53					
100	16QAM	1	1	22.38			23.8	0.5	
100	64QAM	1	1	22.36			23.8	0.5	
100	256QAM	1	1	22.91			24.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
80	QPSK	1	120	22.77	22.71	22.74	24.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	109	22.85	22.74	22.74	24.3	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	95	22.73	22.77	22.83	24.3	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	81	22.71	22.80	22.73	24.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	67	22.73	22.73	22.79	24.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	53	22.83	22.72	22.79	24.3	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	39	22.77	22.72	22.75	24.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	26	22.77	22.72	22.81	24.3	0.0	

Part27O_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750	24.3	0.0	
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	23.10			24.3	0.0	
100	Pl2 BPSK	1	137	23.14					
100	Pl2 BPSK	1	271	23.16					
100	Pl2 BPSK	135	0	23.16			24.3	0.0	
100	Pl2 BPSK	135	69	23.15			24.3	0.0	
100	Pl2 BPSK	135	138	23.18			24.3	0.0	
100	Pl2 BPSK	270	0	23.15			24.3	0.0	
100	QPSK	1	1	23.16					
100	QPSK	1	137	23.21					
100	QPSK	1	271	23.18			24.3	0.0	
100	QPSK	135	0	23.13					
100	QPSK	135	69	23.16					
100	QPSK	135	138	23.15			24.3	0.0	
100	QPSK	270	0	23.10					
100	16QAM	1	1	22.86			23.8	0.5	
100	64QAM	1	1	22.86			23.8	0.5	
100	256QAM	1	1	23.12			24.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	120	23.01	23.07	23.09	24.3	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3756.98	(dBm)	(dB)	
80	QPSK	1	109	23.06	23.09	23.06	24.3	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3738	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	23.08	22.98	23.10	24.3	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.02	3750	3761.98	(dBm)	(dB)	
60	QPSK	1	81	23.04	23.10	23.00	24.3	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	67	23.08	23.05	23.09	24.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	23.03	23.08	23.01	24.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	39	23.06	23.09	23.08	24.3	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	26	22.99	23.02	23.01	24.3	0.0	

Part27Q_n78(HPUe)_Ant 8									
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				633332		3499.98	27.3	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	25.54			27.3	0.0	
100	Pl2 BPSK	1	137	25.51					
100	Pl2 BPSK	1	271	25.61					
100	Pl2 BPSK	135	0	24.94			26.8	0.5	
100	Pl2 BPSK	135	69	25.41			27.3	0.0	
100	Pl2 BPSK	135	138	24.83			26.8	0.5	
100	Pl2 BPSK	270	0	25.63			27.3	0.0	
100	QPSK	1	1	25.63					
100	QPSK	1	137	25.66					
100	QPSK	1	271	25.47			27.3	0.0	
100	QPSK	135	0	24.49					
100	QPSK	135	69	25.55					
100	QPSK	135	138	24.72			26.3	1.0	
100	QPSK	270	0	24.47					
100	16QAM	1	1	24.73			26.3	1.0	
100	64QAM	1	1	23.61			25.3	2.0	
100	256QAM	1	1	25.75			25.3	2.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	120	25.40	25.51	25.43	27.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	109	25.45	25.50	25.46	27.3	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
70	QPSK	1	95	25.40	25.52	25.45	27.3	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475	3499.98	3514.98	(dBm)	(dB)	
60	QPSK	1	81	25.43	25.53	25.46	27.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	67	25.49	25.52	25.49	27.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	53	25.44	25.54	25.50	27.3	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	39	25.46	25.42	25.42	27.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.00	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	26	25.41	25.44	25.53	27.3	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mid. Ch. / Freq.	Power Hdwn. Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			25.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	23.86			25.7	0.0	
100	Pl2 BPSK	1	137	24.13					
100	Pl2 BPSK	1	271	24.19			25.2	0.5	
100	Pl2 BPSK	135	0	23.56					
100	Pl2 BPSK	135	69	24.18			25.7	0.0	
100	Pl2 BPSK	135	138	23.92					
100	Pl2 BPSK	270	0	23.65			25.2	0.5	
100	QPSK	1	1	24.08					
100	QPSK	1	137	24.24			25.7	0.0	
100	QPSK	1	271	24.21					
100	QPSK	135	0	23.09			25.7	0.0	
100	QPSK	135	69	24.01					
100	QPSK	135	138	23.23			24.7	1.0	
100	QPSK	270	0	23.07					
100	16QAM	1	1	23.03			24.7	1.0	
100	64QAM	1	1	22.26					
100	256QAM	1	1	22.21			23.7	2.0	
Channel				633000	633332	633668	Tune-up limit MPR		
Frequency (MHz)				3495	3499.98	3504.98	(dBm) (dB)		
80	QPSK	1	120	24.09	24.05	24.05	25.7	0.0	
Channel				632668	633332	634000	Tune-up limit MPR		
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm) (dB)		
80	QPSK	1	109	24.03	24.05	23.95	25.7	0.0	
Channel				632334	633332	634332	Tune-up limit MPR		
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm) (dB)		
70	QPSK	1	95	23.94	24.00	24.01	25.7	0.0	
Channel				632000	633332	634668	Tune-up limit MPR		
Frequency (MHz)				3480	3499.98	3518.98	(dBm) (dB)		
60	QPSK	1	81	24.00	23.93	23.97	25.7	0.0	
Channel				631668	633332	635000	Tune-up limit MPR		
Frequency (MHz)				3475.02	3499.98	3525	(dBm) (dB)		
50	QPSK	1	67	24.05	24.06	23.95	25.7	0.0	
Channel				631334	633332	635332	Tune-up limit MPR		
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm) (dB)		
40	QPSK	1	53	24.03	23.96	24.04	25.7	0.0	
Channel				631000	633332	635668	Tune-up limit MPR		
Frequency (MHz)				3465	3499.98	3534.98	(dBm) (dB)		
30	QPSK	1	39	23.99	23.98	24.04	25.7	0.0	
Channel				630668	633332	636000	Tune-up limit MPR		
Frequency (MHz)				3460.02	3499.98	3540	(dBm) (dB)		
20	QPSK	1	26	24.06	24.02	24.03	25.7	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	24.25			25.7	0.0	
100	Pl2 BPSK	1	137	24.28					
100	Pl2 BPSK	1	271	24.26			25.2	0.5	
100	Pl2 BPSK	135	0	23.89					
100	Pl2 BPSK	135	69	24.27			25.7	0.0	
100	Pl2 BPSK	135	138	23.93					
100	Pl2 BPSK	270	0	23.74			25.2	0.5	
100	QPSK	1	1	24.25					
100	QPSK	1	137	24.31			25.7	0.0	
100	QPSK	1	271	24.24					
100	QPSK	135	0	23.36			25.7	0.0	
100	QPSK	135	69	24.26					
100	QPSK	135	138	23.40			24.7	1.0	
100	QPSK	270	0	23.21					
100	16QAM	1	1	23.33			24.7	1.0	
100	64QAM	1	1	22.68					
100	256QAM	1	1	22.65			24.2	1.5	
Channel				649668	650000	650332	Tune-up limit MPR		
Frequency (MHz)				3745.02	3750	3754.98	(dBm) (dB)		
80	QPSK	1	120	24.29	24.17	24.19	25.7	0.0	
Channel				649334	650000	650668	Tune-up limit MPR		
Frequency (MHz)				3740.01	3750	3759.98	(dBm) (dB)		
80	QPSK	1	109	24.20	24.20	24.20	25.7	0.0	
Channel				649000	650000	651000	Tune-up limit MPR		
Frequency (MHz)				3735	3750	3765	(dBm) (dB)		
70	QPSK	1	95	24.26	24.22	24.19	25.7	0.0	
Channel				648668	650000	651332	Tune-up limit MPR		
Frequency (MHz)				3730.02	3750	3763.98	(dBm) (dB)		
60	QPSK	1	81	24.21	24.28	24.23	25.7	0.0	
Channel				648334	650000	651668	Tune-up limit MPR		
Frequency (MHz)				3725.01	3750	3774.98	(dBm) (dB)		
50	QPSK	1	67	24.25	24.14	24.27	25.7	0.0	
Channel				648000	650000	652000	Tune-up limit MPR		
Frequency (MHz)				3720	3750	3780	(dBm) (dB)		
40	QPSK	1	53	24.18	24.21	24.19	25.7	0.0	
Channel				647668	650000	652332	Tune-up limit MPR		
Frequency (MHz)				3715.02	3750	3784.98	(dBm) (dB)		
30	QPSK	1	39	24.26	24.25	24.18	25.7	0.0	
Channel				647334	650000	652668	Tune-up limit MPR		
Frequency (MHz)				3710.01	3750	3789.98	(dBm) (dB)		
20	QPSK	1	26	24.24	24.20	24.17	25.7	0.0	

Part27Q_n78_Ant 0											
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				633332		3499.98	22.7	0.0			
Frequency (MHz)				3499.98							
100	Pl2 BPSK	1	1	21.29			22.7	0.0			
100	Pl2 BPSK	1	137	21.27							
100	Pl2 BPSK	1	271	21.29			22.7	0.0			
100	Pl2 BPSK	135	0	21.15							
100	Pl2 BPSK	135	69	21.27			22.7	0.0			
100	Pl2 BPSK	135	138	21.29							
100	Pl2 BPSK	270	0	21.19			22.7	0.0			
100	QPSK	1	1	21.26							
100	QPSK	1	137	21.37			22.7	0.0			
100	QPSK	1	271	21.23							
100	QPSK	135	0	21.12			22.7	0.0			
100	QPSK	135	69	21.26							
100	QPSK	135	138	21.27			22.7	0.0			
100	QPSK	270	0	21.14							
100	16QAM	1	1	20.78			22.2	0.5			
100	64QAM	1	1	20.90							
100	256QAM	1	1	21.32			22.7	0.0			
Channel				633000	633332	633668	Tune-up limit MPR				
Frequency (MHz)				3495	3499.98	3504.98	(dBm) (dB)				
80	QPSK	1	120	21.25	21.29	21.32	22.7	0.0			
Channel				632668	633332	634000	Tune-up limit MPR				
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm) (dB)				
80	QPSK	1	109	21.28	21.31	21.24	22.7	0.0			
Channel				632334	633332	634332	Tune-up limit MPR				
Frequency (MHz)				3486	3499.98	3518.98	(dBm) (dB)				
70	QPSK	1	95	21.34	21.29	21.24	22.7	0.0			
Channel				632000	633332	634668	Tune-up limit MPR				
Frequency (MHz)				3480	3499.98	3519.98	(dBm) (dB)				
60	QPSK	1	81	21.35	21.31	21.23	22.7	0.0			
Channel				631668	633332	635000	Tune-up limit MPR				
Frequency (MHz)				3475.02	3499.98	3525	(dBm) (dB)				
50	QPSK	1	67	21.37	21.31	21.31	22.7	0.0			
Channel				631334	633332	635332	Tune-up limit MPR				
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm) (dB)				
40	QPSK	1	53	21.34	21.31	21.34	22.7	0.0			
Channel				631000	633332	635668	Tune-up limit MPR				
Frequency (MHz)				3465	3499.98	3534.98	(dBm) (dB)				
30	QPSK	1	39	21.29	21.26	21.29	22.7	0.0			
Channel				630668	633332	636000	Tune-up limit MPR				
Frequency (MHz)				3460.00	3499.98	3540	(dBm) (dB)				
20	QPSK	1	26	21.35	21.38	21.36	22.7	0.0			

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 372000	Power Middle Ch. F Freq. 376000	Power High Ch. F Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900	23.3	0.0	
Frequency (MHz)				1860	1880	1900			
20	Pl2 BPSK	1	1	21.85	21.87	21.80			
20	Pl2 BPSK	1	53	21.79	21.81	21.76			
20	Pl2 BPSK	1	104	21.82	21.73	21.79	23.3	0.0	
20	Pl2 BPSK	50	0	21.77	21.77	21.79	23.3	0.0	
20	Pl2 BPSK	50	28	21.86	21.82	21.78	23.3	0.0	
20	Pl2 BPSK	50	56	21.83	21.75	21.74	23.3	0.0	
20	Pl2 BPSK	100	0	21.85	21.84	21.75	23.3	0.0	
20	QPSK	1	1	21.86	21.89	21.86	23.3	0.0	
20	QPSK	1	53	21.74	21.86	21.82	23.3	0.0	
20	QPSK	1	104	21.81	21.85	21.73	23.3	0.0	
20	QPSK	50	0	21.75	21.74	21.70	23.3	0.0	
20	QPSK	50	28	21.82	21.85	21.76	23.3	0.0	
20	QPSK	50	56	21.77	21.75	21.71	23.3	0.0	
20	QPSK	100	0	21.71	21.77	21.71	23.3	0.0	
20	16QAM	1	1	21.83	21.73	21.73	23.3	0.0	
20	64QAM	1	1	21.76	21.86	21.86	23.3	0.0	
20	256QAM	1	1	21.32	21.26	21.23	22.3	1.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5	23.3	0.0	
15	QPSK	1	1	21.74	21.83	21.77			
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	21.75	21.74	21.71	23.3	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	23.3	0.0	
5	QPSK	1	1	21.87	21.87	21.80			

Reduced Power Mode for ECI 3									
n2_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 372000	Power Middle Ch. F Freq. 376000	Power High Ch. F Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900	20.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	Pl2 BPSK	1	1	19.21	19.30	19.22			
20	Pl2 BPSK	1	53	19.26	19.22	19.30			
20	Pl2 BPSK	1	104	19.33	19.30	19.26	20.5	0.0	
20	Pl2 BPSK	50	0	19.23	19.27	19.25	20.5	0.0	
20	Pl2 BPSK	50	28	19.27	19.21	19.27	20.5	0.0	
20	Pl2 BPSK	50	56	19.32	19.27	19.35	20.5	0.0	
20	Pl2 BPSK	100	0	19.35	19.21	19.32	20.5	0.0	
20	QPSK	1	1	19.31	19.37	19.32	20.5	0.0	
20	QPSK	1	53	19.25	19.29	19.22	20.5	0.0	
20	QPSK	1	104	19.29	19.24	19.29	20.5	0.0	
20	QPSK	50	0	19.22	19.26	19.22	20.5	0.0	
20	QPSK	50	28	19.27	19.29	19.25	20.5	0.0	
20	QPSK	50	56	19.25	19.22	19.22	20.5	0.0	
20	QPSK	100	0	19.21	19.27	19.24	20.5	0.0	
20	16QAM	1	1	19.25	19.22	19.30	20.5	0.0	
20	64QAM	1	1	19.29	19.25	19.32	20.5	0.0	
20	256QAM	1	1	19.29	19.27	19.34	20.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5	20.5	0.0	
15	QPSK	1	1	19.29	19.34	19.18			
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	19.17	19.27	19.25	20.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	20.5	0.0	
5	QPSK	1	1	19.30	19.28	19.28			

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 166800	Power Middle Ch. F Freq. 167500	Power High Ch. F Freq. 167900	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839	25.1	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	23.56	23.64	23.55			
20	Pl2 BPSK	1	53	23.65	23.62	23.63			
20	Pl2 BPSK	1	104	23.66	23.54	23.67	25.1	0.0	
20	Pl2 BPSK	50	0	23.61	23.59	23.66	25.1	0.0	
20	Pl2 BPSK	50	28	23.68	23.66	23.65	25.1	0.0	
20	Pl2 BPSK	50	56	23.57	23.57	23.62	25.1	0.0	
20	Pl2 BPSK	100	0	23.68	23.67	23.65	25.1	0.0	
20	QPSK	1	1	23.70	23.71	23.67	25.1	0.0	
20	QPSK	1	53	23.54	23.65	23.64	25.1	0.0	
20	QPSK	1	104	23.63	23.68	23.64	25.1	0.0	
20	QPSK	50	0	23.63	23.67	23.62	25.1	0.0	
20	QPSK	50	28	23.64	23.68	23.64	25.1	0.0	
20	QPSK	50	56	23.60	23.62	23.60	25.1	0.0	
20	QPSK	100	0	23.63	23.66	23.57	25.1	0.0	
20	16QAM	1	1	23.65	23.54	23.66	25.1	0.0	
20	64QAM	1	1	23.59	23.59	23.60	25.1	0.0	
20	256QAM	1	1	22.91	22.94	22.81	24.1	1.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.1	0.0	
15	QPSK	1	1	23.61	23.61	23.66			
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.62	23.63	23.64	25.1	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	25.1	0.0	
5	QPSK	1	1	23.67	23.67	23.63	23.1	1.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	PQ2 BPSK	1	1	21.73	21.81	21.74			
20	PQ2 BPSK	1	53	21.84	21.77	21.77	23.1	0.0	
20	PQ2 BPSK	1	104	21.73	21.74	21.73			
20	PQ2 BPSK	50	0	21.83	21.78	21.75	23.1	0.0	
20	PQ2 BPSK	50	28	21.88	21.79	21.79	23.1	0.0	
20	PQ2 BPSK	50	56	21.78	21.84	21.74			
20	PQ2 BPSK	100	0	21.77	21.81	21.87	23.1	0.0	
20	QPSK	1	1	21.80	21.83	21.80			
20	QPSK	1	53	21.78	21.86	21.81	23.1	0.0	
20	QPSK	1	104	21.80	21.80	21.74			
20	QPSK	50	0	21.81	21.80	21.76	23.1	0.0	
20	QPSK	50	28	21.83	21.89	21.87	23.1	0.0	
20	QPSK	50	56	21.78	21.87	21.86			
20	QPSK	100	0	21.74	21.86	21.82	23.1	0.0	
20	16QAM	1	1	21.87	21.76	21.83	23.1	0.0	
20	64QAM	1	1	21.85	21.83	21.75	23.1	0.0	
20	256QAM	1	1	21.76	21.80	21.85	23.1	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.81	21.80	21.78	23.1	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.70	21.84	21.75	23.1	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	21.78	21.86	21.89	23.1	0.0	

n7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
Frequency (MHz)									
40	PQ2 BPSK	1	1	20.05	20.08	19.94			
40	PQ2 BPSK	1	108	19.94	20.09	20.03	21.2	0.0	
40	PQ2 BPSK	1	214	19.94	19.99	19.98			
40	PQ2 BPSK	108	0	19.99	20.08	20.07	21.2	0.0	
40	PQ2 BPSK	108	54	20.06	20.05	20.03	21.2	0.0	
40	PQ2 BPSK	108	108	19.99	19.95	20.08			
40	PQ2 BPSK	216	0	20.08	19.99	19.96	21.2	0.0	
40	QPSK	1	1	20.00	20.13	20.10			
40	QPSK	1	108	20.01	19.97	20.03	21.2	0.0	
40	QPSK	1	214	20.02	19.95	19.98			
40	QPSK	108	0	19.99	20.00	19.95	21.2	0.0	
40	QPSK	108	54	20.03	20.08	20.06	21.2	0.0	
40	QPSK	108	108	19.97	19.96	19.99			
40	QPSK	216	0	19.96	19.99	19.96	21.2	0.0	
40	16QAM	1	1	19.94	20.06	19.95	21.2	0.0	
40	64QAM	1	1	19.94	20.03	20.07	21.2	0.0	
40	256QAM	1	1	20.00	20.06	20.02	21.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.04	20.08	20.07	21.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	20.03	19.98	19.99	21.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.90	20.05	19.99	21.2	0.0	
Channel				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.94	20.09	19.97	21.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2566			
10	QPSK	1	1	20.00	20.06	20.00	21.2	0.0	
Channel				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.95	20.03	20.07	21.2	0.0	

n7_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
Frequency (MHz)									
40	PQ2 BPSK	1	1	18.90	18.94	18.88			
40	PQ2 BPSK	1	108	18.79	18.92	18.93	19.6	0.0	
40	PQ2 BPSK	1	214	18.88	18.94	18.99			
40	PQ2 BPSK	108	0	18.92	18.92	18.96	19.6	0.0	
40	PQ2 BPSK	108	54	18.83	19.03	18.91	19.6	0.0	
40	PQ2 BPSK	108	108	18.92	19.03	18.97			
40	PQ2 BPSK	216	0	18.79	18.94	18.94	19.6	0.0	
40	QPSK	1	1	18.95	18.10	19.00			
40	QPSK	1	108	18.82	19.00	18.87	19.6	0.0	
40	QPSK	1	214	18.90	19.03	18.97			
40	QPSK	108	0	18.90	18.98	18.99	19.6	0.0	
40	QPSK	108	54	18.93	19.02	18.97	19.6	0.0	
40	QPSK	108	108	18.85	18.96	18.95			
40	QPSK	216	0	18.86	18.93	18.89	19.6	0.0	
40	16QAM	1	1	18.90	19.04	18.91	19.6	0.0	
40	64QAM	1	1	18.81	19.05	18.90	19.6	0.0	
40	256QAM	1	1	18.78	18.98	18.86	19.6	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.00	18.98	18.88	19.6	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.91	19.08	18.90	19.6	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.86	19.01	18.87	19.6	0.0	
Channel				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.92	19.04	18.88	19.6	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2566			
10	QPSK	1	1	19.02	19.03	18.91	19.6	0.0	
Channel				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.90	18.98	18.87	19.6	0.0	

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 504000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	16.96	16.98	17.03			
40	Pl2 BPSK	1	108	16.96	16.99	17.02	18.6		
40	Pl2 BPSK	1	214	16.91	16.98	16.93			
40	Pl2 BPSK	108	0	16.97	17.03	17.07	18.6		
40	Pl2 BPSK	108	54	17.04	17.06	16.94	18.6		
40	Pl2 BPSK	108	108	16.97	17.06	17.06			
40	Pl2 BPSK	216	0	17.05	16.97	17.04	18.6		
40	QPSK	1	1	17.16	17.22	17.18			
40	QPSK	1	108	17.02	17.11	17.02	18.6		
40	QPSK	1	214	16.97	17.07	17.05			
40	QPSK	108	0	16.93	17.07	16.97	18.6		
40	QPSK	108	54	17.08	17.19	17.03	18.6		
40	QPSK	108	108	17.01	17.04	16.96			
40	QPSK	216	0	17.04	17.16	17.06	18.6		
40	16QAM	1	1	17.00	16.98	17.05	18.6		
40	64QAM	1	1	16.97	17.02	16.97	18.6		
40	256QAM	1	1	17.03	17.10	16.93	18.6		
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.11	17.16	17.08	18.6		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	17.10	17.21	17.03	18.6		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.08	17.17	17.16	18.6		
Channel				503000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.11	17.15	17.13	18.6		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.06	17.10	17.12	18.6		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	17.14	17.20	17.13	18.6		

n7_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 504000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	16.65	16.75	16.70			
40	Pl2 BPSK	1	108	16.76	16.84	16.67	21.2		
40	Pl2 BPSK	1	214	16.67	16.72	16.75			
40	Pl2 BPSK	108	0	16.72	16.74	16.65	21.2		
40	Pl2 BPSK	108	54	16.76	16.76	16.72	21.2		
40	Pl2 BPSK	108	108	16.77	16.76	16.73			
40	Pl2 BPSK	216	0	16.77	16.71	16.68	21.2		
40	QPSK	1	1	16.80	16.85	16.76			
40	QPSK	1	108	16.69	16.83	16.65	21.2		
40	QPSK	1	214	16.76	16.75	16.64			
40	QPSK	108	0	16.69	16.76	16.70	21.2		
40	QPSK	108	54	16.77	16.79	16.73	21.2		
40	QPSK	108	108	16.71	16.72	16.61			
40	QPSK	216	0	16.66	16.77	16.72	21.2		
40	16QAM	1	1	16.79	16.72	16.61	21.2		
40	64QAM	1	1	16.29	16.36	16.32	20.8		
40	256QAM	1	1	16.11	16.19	16.13	20.3		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.71	16.77	16.67	21.2		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.69	16.84	16.63	21.2		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.65	16.64	16.62	21.2		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.77	16.73	16.71	21.2		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.76	16.84	16.61	21.2		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	16.68	16.70	16.73	21.2		

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 141300	Power Middle Ch. F.Freq. 141500	Power High Ch. F.Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	19.16	19.22	19.26			
15	Pl2 BPSK	1	40	19.16	19.21	19.24	20.6		
15	Pl2 BPSK	1	77	19.15	19.20	19.20			
15	Pl2 BPSK	36	0	19.27	19.18	19.15	20.6		
15	Pl2 BPSK	36	22	19.18	19.17	19.27	20.6		
15	Pl2 BPSK	36	43	19.25	19.20	19.29			
15	Pl2 BPSK	75	0	19.28	19.29	19.25	20.6		
15	QPSK	1	1	19.26	19.35	19.34			
15	QPSK	1	40	19.18	19.17	19.23	20.6		
15	QPSK	1	77	19.18	19.29	19.28			
15	QPSK	36	0	19.18	19.15	19.15	20.6		
15	QPSK	36	22	19.20	19.23	19.22	20.6		
15	QPSK	36	43	19.16	19.20	19.18			
15	QPSK	75	0	19.16	19.18	19.13	20.6		
15	16QAM	1	1	19.17	19.18	19.21	20.6		
15	64QAM	1	1	19.16	19.26	19.27	20.6		
15	256QAM	1	1	19.27	19.28	19.28	20.6		
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.27	19.27	19.25	20.6		
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.18	19.26	19.19	20.6		

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 141300	Power Middle Ch. F Freq. 141500	Power High Ch. F Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	706.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	18.44	18.35	18.38	19.7	0.0	
15	Pl2 BPSK	1	40	18.39	18.34	18.34			
15	Pl2 BPSK	1	77	18.42	18.37	18.35			
15	Pl2 BPSK	36	0	18.31	18.35	18.37	19.7	0.0	
15	Pl2 BPSK	36	22	18.45	18.35	18.43	19.7	0.0	
15	Pl2 BPSK	36	43	18.34	18.38	18.45	19.7	0.0	
15	Pl2 BPSK	75	0	18.34	18.42	18.38			
15	QPSK	1	1	18.51	18.57	18.54			
15	QPSK	1	40	18.38	18.33	18.34	19.7	0.0	
15	QPSK	1	77	18.43	18.36	18.32			
15	QPSK	36	0	18.34	18.43	18.33	19.7	0.0	
15	QPSK	36	22	18.43	18.44	18.41	19.7	0.0	
15	QPSK	36	43	18.42	18.35	18.33			
15	QPSK	75	0	18.38	18.41	18.36	19.7	0.0	
15	16QAM	1	1	18.40	18.43	18.44	19.7	0.0	
15	64QAM	1	1	18.39	18.31	18.35	19.7	0.0	
15	256QAM	1	1	18.43	18.41	18.44	19.7	0.0	
Channel				14000	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	18.43	18.43	18.53	19.7	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				707.5	707.5	711.5	(dBm)	(dB)	
5	QPSK	1	1	18.45	18.52	18.41	13.7	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.45	23.46	23.50	25.1	0.0	
20	Pl2 BPSK	1	53	23.55	23.51	23.57			
20	Pl2 BPSK	1	104	23.50	23.57	23.54			
20	Pl2 BPSK	50	0	23.49	23.46	23.46	24.6	0.5	
20	Pl2 BPSK	50	28	23.50	23.48	23.55	25.1	0.0	
20	Pl2 BPSK	50	56	23.54	23.51	23.50	24.6	0.5	
20	Pl2 BPSK	100	0	23.54	23.54	23.46			
20	QPSK	1	1	23.50	23.46	23.46			
20	QPSK	1	53	23.41	23.55	23.53	25.1	0.0	
20	QPSK	1	104	23.49	23.55	23.50			
20	QPSK	50	0	23.52	23.48	23.50	24.6	0.5	
20	QPSK	50	28	23.55	23.62	23.50	25.1	0.0	
20	QPSK	50	56	23.53	23.51	23.53			
20	QPSK	100	0	23.55	23.56	23.51	24.6	0.5	
20	16QAM	1	1	23.58	23.53	23.57	24.1	1.0	
20	64QAM	1	1	23.20	23.33	23.20	23.6	1.5	
20	256QAM	1	1	22.71	22.84	22.73	23.1	2.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	23.54	23.59	23.51	25.1	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	23.58	23.51	23.50	25.1	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.55	23.61	23.55	25.1	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.83	21.82	21.74	23.1	0.0	
20	Pl2 BPSK	1	53	21.80	21.84	21.76			
20	Pl2 BPSK	1	104	21.79	21.79	21.82			
20	Pl2 BPSK	50	0	21.72	21.75	21.81	23.1	0.0	
20	Pl2 BPSK	50	28	21.83	21.77	21.72	23.1	0.0	
20	Pl2 BPSK	50	56	21.73	21.84	21.73	23.1	0.0	
20	Pl2 BPSK	100	0	21.71	21.70	21.71			
20	QPSK	1	1	21.81	21.86	21.76			
20	QPSK	1	53	21.72	21.83	21.75	23.1	0.0	
20	QPSK	1	104	21.76	21.80	21.72			
20	QPSK	50	0	21.72	21.77	21.74	23.1	0.0	
20	QPSK	50	28	21.75	21.79	21.76	23.1	0.0	
20	QPSK	50	56	21.73	21.73	21.73	23.1	0.0	
20	QPSK	100	0	21.73	21.77	21.71			
20	16QAM	1	1	21.76	21.70	21.73	23.1	0.0	
20	64QAM	1	1	21.72	21.82	21.83	23.1	0.0	
20	256QAM	1	1	21.72	21.78	21.72	23.1	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	21.80	21.85	21.77	23.1	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	21.78	21.74	21.81	23.1	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.80	21.72	21.77	23.1	0.0	

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	21.51	21.46	21.38	23.0	0.0	
40	Pl2 BPSK	1	108	21.52	21.46	21.50			
40	Pl2 BPSK	1	214	21.48	21.39	21.45			
40	Pl2 BPSK	108	0	21.43	21.43	21.47	23.0	0.0	
40	Pl2 BPSK	108	54	21.43	21.44	21.40	23.0	0.0	
40	Pl2 BPSK	108	108	21.44	21.46	21.42	23.0	0.0	
40	Pl2 BPSK	216	0	21.40	21.48	21.40			
40	QPSK	1	1	21.52	21.58	21.51			
40	QPSK	1	108	21.47	21.52	21.43	23.0	0.0	
40	QPSK	1	214	21.42	21.50	21.42	23.0	0.0	
40	QPSK	108	0	21.49	21.43	21.38			
40	QPSK	108	54	21.51	21.55	21.46			
40	QPSK	108	108	21.41	21.38	21.46	23.0	0.0	
40	QPSK	216	0	21.46	21.48	21.43			
40	16QAM	1	1	21.42	21.48	21.52	23.0	0.0	
40	64QAM	1	1	21.52	21.39	21.43	23.0	0.0	
40	256QAM	1	1	21.43	21.43	21.39	23.0	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.25	17.45	17.65	23.0	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.46	21.45	21.37	23.0	0.0	
Channel				343000	348000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.48	21.43	21.49	23.0	0.0	
Channel				343000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.37	21.50	21.50	23.0	0.0	
Channel				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.42	21.44	21.49	23.0	0.0	

n66_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	21.25	21.23	21.26	22.5	0.0	
40	Pl2 BPSK	1	108	21.30	21.26	21.31			
40	Pl2 BPSK	1	214	21.25	21.37	21.25			
40	Pl2 BPSK	108	0	21.27	21.29	21.23	22.5	0.0	
40	Pl2 BPSK	108	54	21.30	21.36	21.37	22.5	0.0	
40	Pl2 BPSK	108	108	21.36	21.35	21.30	22.5	0.0	
40	Pl2 BPSK	216	0	21.28	21.23	21.29			
40	QPSK	1	1	21.36	21.39	21.30			
40	QPSK	1	108	21.31	21.27	21.23	22.5	0.0	
40	QPSK	1	214	21.34	21.27	21.25	22.5	0.0	
40	QPSK	108	0	21.28	21.26	21.26			
40	QPSK	108	54	21.33	21.36	21.30			
40	QPSK	108	108	21.28	21.27	21.24	22.5	0.0	
40	QPSK	216	0	21.23	21.31	21.27			
40	16QAM	1	1	21.30	21.28	21.36	22.5	0.0	
40	64QAM	1	1	21.33	21.31	21.35	22.5	0.0	
40	256QAM	1	1	21.36	21.27	21.26	22.5	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.23	21.32	21.28	22.5	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.24	21.33	21.18	22.5	0.0	
Channel				343000	348000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.27	21.28	21.20	22.5	0.0	
Channel				343000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.32	21.37	21.21	22.5	0.0	
Channel				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.34	21.29	21.18	22.5	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	23.75	23.88	23.74	25.3	0.0	
40	Pl2 BPSK	1	108	23.46	23.59	23.51			
40	Pl2 BPSK	1	214	23.46	23.56	23.54			
40	Pl2 BPSK	108	0	23.54	23.61	23.58	25.3	0.0	
40	Pl2 BPSK	108	54	23.89	23.94	23.83	25.3	0.0	
40	Pl2 BPSK	108	108	23.39	23.45	23.43	25.3	0.0	
40	Pl2 BPSK	216	0	23.45	23.43	23.48			
40	QPSK	1	1	23.55	23.56	23.65			
40	QPSK	1	108	23.36	23.49	23.36	25.3	0.0	
40	QPSK	1	214	23.46	23.49	23.43	25.3	0.0	
40	QPSK	108	0	23.62	23.85	23.82			
40	QPSK	108	54	23.75	23.88	23.84			
40	QPSK	108	108	23.35	23.44	23.39	25.3	0.0	
40	QPSK	216	0	23.42	23.56	23.54			
40	16QAM	1	1	23.16	23.21	23.12	24.8	0.5	
40	64QAM	1	1	22.66	22.76	22.64	23.8	1.5	
40	256QAM	1	1	22.09	22.21	22.15	23.3	2.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.84	23.94	23.70	25.3	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.94	23.90	23.82	25.3	0.0	
Channel				343000	348000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.62	23.90	23.84	25.3	0.0	
Channel				343000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.82	23.91	23.72	25.3	0.0	
Channel				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.87	23.88	23.84	25.3	0.0	

n66_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	23.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	21.61	21.63	21.61		
40	PI2 BPSK	1	108	21.63	21.69	21.65	22.5	0.5
40	PI2 BPSK	1	214	21.19	21.33	21.31		
40	PI2 BPSK	108	0	21.25	21.32	21.31		
40	PI2 BPSK	108	54	21.60	21.66	21.54	22.5	0.5
40	PI2 BPSK	108	108	20.99	21.13	21.04		
40	PI2 BPSK	216	0	21.17	21.19	21.05		
40	QPSK	1	1	21.72	21.80	21.67	23.0	0.0
40	QPSK	1	108	21.59	21.66	21.52		
40	QPSK	1	214	21.22	21.31	21.17		
40	QPSK	108	0	21.25	21.32	21.22	22.5	0.5
40	QPSK	108	54	21.67	21.74	21.73		
40	QPSK	108	108	21.04	21.12	21.02		
40	QPSK	216	0	21.05	21.20	21.15	22.0	1.0
40	16QAM	1	1	20.94	20.96	20.90		
40	64QAM	1	1	20.46	20.48	20.42		
40	256QAM	1	1	19.92	19.99	19.90	21.0	2.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	23.0	0.0
30	QPSK	1	1	21.68	21.65	21.55		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	23.0	0.0
20	QPSK	1	1	21.05	21.68	21.52		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	23.0	0.0
15	QPSK	1	1	21.65	21.77	21.59		
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	23.0	0.0
10	QPSK	1	1	21.62	21.70	21.56		
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	23.0	0.0
5	QPSK	1	1	21.66	21.67	21.52		

n38_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)				518004	519000	519996			
				2590.02	2595	2599.98			
40	Pl/2 BPSK	1	1	19.46	19.45	19.51			
40	Pl/2 BPSK	1	53	19.45	19.45	19.54	21.1		0.0
40	Pl/2 BPSK	1	104	19.57	19.52	19.55			
40	Pl/2 BPSK	50	0	19.59	19.51	19.51	21.1		0.0
40	Pl/2 BPSK	50	28	19.47	19.58	19.45	21.1		0.0
40	Pl/2 BPSK	50	56	19.52	19.59	19.47			
40	Pl/2 BPSK	100	0	19.48	19.55	19.54	21.1		0.0
Channel									
Frequency (MHz)				19.51	19.61	19.67	19.50		
40	QPSK	1	53	19.45	19.46	19.45			
40	QPSK	1	104	19.56	19.58	19.55			0.0
40	QPSK	50	0	19.47	19.56	19.45			
40	QPSK	50	28	19.46	19.50	19.45	21.1		0.0
40	QPSK	50	56	19.49	19.51	19.45			
40	QPSK	100	0	19.51	19.52	19.45	21.1		0.0
40	16QAM	1	1	19.51	19.53	19.47	21.1		0.0
40	64QAM	1	1	19.46	19.57	19.54	21.1		0.0
40	256QAM	1	1	19.51	19.47	19.48	21.1		0.0
Channel									
Frequency (MHz)				517002	519000	520998			
				2595.01	2595	2604.99			
30	QPSK	1	1	19.59	19.57	19.54	21.1		0.0
Channel									
Frequency (MHz)				518000	519000	522000			
				2590	2595	2610			
20	QPSK	1	1	19.56	19.60	19.55	21.1		0.0
Channel									
Frequency (MHz)				517002	518000	522998			
				2577.51	2595	2612.49			
15	QPSK	1	1	19.48	19.57	19.58	21.1		0.0
Channel									
Frequency (MHz)				515004	519000	522996			
				2578.02	2595	2614.98			
10	QPSK	1	1	19.48	19.61	19.45	21.1		0.0

n38_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	520998			
				2590.02	2595	2599.98			
40	P2 PSK	1	1	19.42	19.43	19.47			
40	P2 PSK	1	53	19.40	19.46	19.40	20.8	0.0	
40	P2 PSK	1	104	19.40	19.51	19.41			
40	P2 PSK	50	0	19.38	19.52	19.50	20.8	0.0	
40	P2 PSK	50	28	19.52	19.46	19.44	20.8	0.0	
40	P2 PSK	50	56	19.39	19.41	19.42			
40	P2 PSK	100	0	19.47	19.52	19.44	20.8	0.0	
40	QPSK	1	1	19.55	19.00	19.57			
40	QPSK	1	53	19.50	19.39	19.38	20.8	0.0	
40	QPSK	1	104	19.49	19.46	19.47			
40	QPSK	50	0	19.43	19.50	19.40			
40	QPSK	50	28	19.77	19.52	19.45	20.8	0.0	
40	QPSK	50	56	19.42	19.41	19.41			
40	QPSK	100	0	19.41	19.45	19.41	20.8	0.0	
40	16QAM	1	1	19.39	19.45	19.39	20.8	0.0	
40	64QAM	1	1	19.46	19.48	19.52	20.8	0.0	
40	256QAM	1	1	19.52	19.51	19.43	20.8	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	E-PR	
				2595.01	2595	2604.99			
30	QPSK	1	1	19.46	19.52	19.52	20.8	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2590	2595	2610			
20	QPSK	1	1	19.43	19.55	19.52	20.8	0.0	
Channel									
Frequency (MHz)				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
				2577.51	2595	2612.49			
15	QPSK	1	1	19.49	19.50	19.45	20.8	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
				2578.02	2595	2614.98			
10	QPSK	1	1	19.50	19.48	19.54	20.8	0.0	

n38_Ant 11									
BW [MHz]	Modulation	RB 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	17.06	17.12	17.08			
40	Pl/2 BPSK	1	53	17.05	17.05	17.01	18.5	0.0	
40	Pl/2 BPSK	1	104	17.11	17.06	17.04			
40	Pl/2 BPSK	50	0	17.08	17.09	17.03	18.5	0.0	
40	Pl/2 BPSK	50	28	17.00	17.02	17.02	18.5	0.0	
40	Pl/2 BPSK	50	56	17.05	17.00	17.02			
40	Pl/2 BPSK	100	0	17.08	17.13	17.10	18.5	0.0	
40	QPSK	1	1	17.12	17.17	17.15			
40	QPSK	1	53	17.02	17.10	17.09	18.5	0.0	
40	QPSK	1	104	17.06	17.11	17.01			
40	QPSK	50	0	17.00	17.02	17.01			
40	QPSK	50	28	17.06	17.05	17.01	18.5	0.0	
40	QPSK	50	56	17.02	17.03	17.04			
40	QPSK	100	0	17.03	17.06	17.02	18.5	0.0	
40	16QAM	1	1	17.11	17.13	17.01	18.5	0.0	
40	64QAM	1	1	17.13	17.01	16.99	18.5	0.0	
40	256QAM	1	1	17.13	17.00	17.07	18.5	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
				2595.01	2595	2604.99			
30	QPSK	1	1	17.05	17.14	17.05	18.5	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2590	2595	2610			
20	QPSK	1	1	16.98	17.08	17.06	18.5	0.0	
Channel									
Frequency (MHz)				517002	518000	522998	Tune-up limit (dBm)	MPR (dB)	
				2577.51	2595	2612.49			
15	QPSK	1	1	17.07	17.08	17.10	18.5	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
				2578.02	2595	2614.98			
10	QPSK	1	1	17.01	17.14	17.05	18.5	0.0	

n38_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)				2590.02	2590	2599.98			
40	P12 BPSK	1	1	19.33	19.55	19.40			
40	P12 BPSK	1	53	19.40	19.54	19.43	20.9	0.0	
40	P12 BPSK	1	104	19.37	19.44	19.41			
40	P12 BPSK	50	0	19.39	19.45	19.38	20.9	0.0	
40	P12 BPSK	50	28	19.46	19.45	19.43	20.9	0.0	
40	P12 BPSK	50	56	19.33	19.42	19.34	20.9	0.0	
40	P12 BPSK	100	0	19.36	19.45	19.36	20.9	0.0	
40	QPSK	1	1	19.47	19.37	19.40			
40	QPSK	1	53	19.40	19.56	19.38	20.9	0.0	
40	QPSK	1	104	19.33	19.54	19.34			
40	QPSK	50	0	19.33	19.44	19.41			
40	QPSK	50	28	19.45	19.56	19.40	20.9	0.0	
40	QPSK	50	56	19.37	19.43	19.38			
40	QPSK	100	0	19.42	19.54	19.36	20.9	0.0	
40	16QAM	1	1	19.32	19.50	19.35	20.9	0.0	
40	64QAM	1	1	19.32	19.54	19.34	20.9	0.0	
40	256QAM	1	1	19.19	19.31	19.23	20.9	0.0	
Channel									
Frequency (MHz)				517002	516900	520986	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2695.01	2695	2694.99			
30	QPSK	1	1	19.46	19.43	19.48	20.9	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2671.01	2671	2671			
20	QPSK	1	1	19.40	19.53	19.36	20.9	0.0	
Channel									
Frequency (MHz)				515002	516000	522486	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2677.51	2696	2612.49	20.9	0.0	
15	QPSK	1	1	19.35	19.44	19.35	20.9	0.0	
Channel									
Frequency (MHz)				517004	516000	522986	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2675.02	2695	2614.98	20.9	0.0	
10	QPSK	1	1	19.37	19.51	19.48	20.9	0.0	

FCC_n41_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	18.79	18.82	18.81			
100	P12 BPSK	1	137	18.80	18.81	18.86	20.0	0.0	
100	P12 BPSK	1	271	18.86	18.82	18.89			
100	P12 BPSK	135	0	18.80	18.86	18.90	20.0	0.0	
100	P12 BPSK	135	69	18.84	18.85	18.90	20.0	0.0	
100	P12 BPSK	135	138	18.84	18.82	18.85	20.0	0.0	
100	P12 BPSK	270	0	18.81	18.79	18.86			
100	QPSK	1	1	18.81	18.83	18.81			
100	QPSK	1	137	18.83	18.85	18.83	20.0	0.0	
100	QPSK	1	271	18.81	18.89	18.85			
100	QPSK	135	0	18.84	18.84	18.80			
100	QPSK	135	69	18.79	18.86	18.80	20.0	0.0	
100	QPSK	135	138	18.79	18.86	18.80			
100	QPSK	270	0	18.79	18.84	18.80	20.0	0.0	
100	16QAM	1	1	18.86	18.81	18.81	20.0	0.0	
100	64QAM	1	1	18.81	18.85	18.80	20.0	0.0	
100	256QAM	1	1	18.92	18.88	18.92	20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.82	18.81	18.80	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.88	18.80	18.86	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	2502.99	2592.99	2644.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	2502.99	2592.99	2644.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	2504.05	2592.99	2678.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.83	18.80	18.84	20.0	0.0	

FCC_n41(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	18.79	18.82	18.81			
100	P12 BPSK	1	137	18.80	18.81	18.86	20.0	0.0	
100	P12 BPSK	1	271	18.86	18.82	18.89			
100	P12 BPSK	135	0	18.80	18.86	18.90	20.0	0.0	
100	P12 BPSK	135	69	18.84	18.85	18.90	20.0	0.0	
100	P12 BPSK	135	138	18.84	18.82	18.85	20.0	0.0	
100	P12 BPSK	270	0	18.81	18.79	18.86			
100	QPSK	1	1	18.81	18.83	18.81			
100	QPSK	1	137	18.83	18.85	18.83	20.0	0.0	
100	QPSK	1	271	18.81	18.89	18.85			
100	QPSK	135	0	18.84	18.84	18.80			
100	QPSK	135	69	18.79	18.86	18.80	20.0	0.0	
100	QPSK	135	138	18.79	18.86	18.80			
100	QPSK	270	0	18.79	18.84	18.80	20.0	0.0	
100	16QAM	1	1	18.88	18.81	18.91	20.0	0.0	
100	64QAM	1	1	18.81	18.85	18.80	20.0	0.0	
100	256QAM	1	1	18.92	18.88	18.92	20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.89	18.87	18.85	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.88	18.80	18.86	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.80	18.86	18.78	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.83	18.87	18.76	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.83	18.87	18.76	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.81	18.92	18.87	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.83	18.80	18.84	20.0	0.0	

FCC_n41_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1	18.48	18.47	18.54				
100	Pl2 BPSK	1	137	18.57	18.50	18.51	19.4	0.0		
100	Pl2 BPSK	1	271	18.52	18.53	18.50				
100	Pl2 BPSK	135	0	18.44	18.45	18.48	19.4	0.0		
100	Pl2 BPSK	135	69	18.57	18.54	18.52	19.4	0.0		
100	Pl2 BPSK	135	138	18.44	18.46	18.50				
100	Pl2 BPSK	270	0	18.58	18.48	18.57	19.4	0.0		
100	QPSK	1	1	18.58	18.59	18.55				
100	QPSK	1	137	18.51	18.46	18.53	19.4	0.0		
100	QPSK	1	271	18.46	18.51	18.58				
100	QPSK	135	0	18.45	18.47	18.41				
100	QPSK	135	69	18.57	18.48	18.44	19.4	0.0		
100	QPSK	135	138	18.44	18.47	18.40				
100	QPSK	270	0	18.42	18.47	18.45	19.4	0.0		
100	16QAM	1	1	18.48	18.55	18.54	19.4	0.0		
100	64QAM	1	1	18.47	18.56	18.51	19.4	0.0		
100	256QAM	1	1	18.50	18.53	18.53	19.4	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.54	18.49	18.48	19.4	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.46	18.52	18.55	19.4	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.44	18.56	18.52	19.4	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.42	18.48	18.48	19.4	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.54	18.59	18.53	19.4	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.52	18.46	18.55	19.4	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.44	18.54	18.51	19.4	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.48	18.47	18.52	19.4	0.0		

FCC_n41(HPUe)_Ant 6										
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	Pl2 BPSK	1	1	18.48	18.47	18.54				
100	Pl2 BPSK	1	137	18.57	18.50	18.51	19.4	0.0		
100	Pl2 BPSK	1	271	18.52	18.53	18.50				
100	Pl2 BPSK	135	0	18.44	18.45	18.48	19.4	0.0		
100	Pl2 BPSK	135	69	18.57	18.54	18.52	19.4	0.0		
100	Pl2 BPSK	135	138	18.44	18.46	18.50				
100	Pl2 BPSK	270	0	18.58	18.48	18.57	19.4	0.0		
100	QPSK	1	1	18.58	18.59	18.55				
100	QPSK	1	137	18.51	18.46	18.53	19.4	0.0		
100	QPSK	1	271	18.46	18.51	18.58				
100	QPSK	135	0	18.45	18.47	18.41				
100	QPSK	135	69	18.57	18.48	18.44	19.4	0.0		
100	QPSK	135	138	18.44	18.47	18.40				
100	QPSK	270	0	18.42	18.47	18.45	19.4	0.0		
100	16QAM	1	1	18.48	18.55	18.54	19.4	0.0		
100	64QAM	1	1	18.47	18.56	18.51	19.4	0.0		
100	256QAM	1	1	18.50	18.53	18.53	19.4	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.54	18.49	18.48	19.4	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.46	18.52	18.55	19.4	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.44	18.56	18.52	19.4	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.50	18.58	18.59	19.4	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.42	18.48	18.48	19.4	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.46	18.57	18.58	19.4	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.44	18.54	18.51	19.4	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.45	18.47	18.52	19.4	0.0		

FCC_n41_Ant 11										
BW [MHz]	Modulation	RB 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	18.46	18.39	18.36				
100	Pl2 BPSK	1	137	18.46	18.42	18.41	17.7	0.0		
100	Pl2 BPSK	1	271	18.44	18.43	18.40				
100	Pl2 BPSK	135	0	18.50	18.36	18.42	17.2	0.5		
100	Pl2 BPSK	135	69	18.42	18.38	18.45	17.7	0.0		
100	Pl2 BPSK	135	138	18.47	18.37	18.46				
100	Pl2 BPSK	270	0	18.36	18.47	18.39	17.2	0.5		
100	QPSK	1	1	18.58	18.58	18.54				
100	QPSK	1	137	18.49	18.44	18.38	17.7	0.0		
100	QPSK	1	271	18.43	18.43	18.41				
100	QPSK	135	0	18.40	18.36	18.46				
100	QPSK	135	69	18.45	18.56	18.53	17.7	0.0		
100	QPSK	135	138	18.46	18.39	18.37				
100	QPSK	270	0	18.43	18.46	18.36	17.7	0.0		
100	16QAM	1	1	18.42	18.36	18.46	17.7	0.0		
100	64QAM	1	1	18.38	18.45	18.41	17.7	0.0		
100	256QAM	1	1	18.48	18.46	18.47	17.7	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.49	18.55	18.52	17.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.45	18.51	18.51	17.7	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.44	18.57	18.52	17.7	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.50	18.69	18.59	17.7	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.49	18.55	18.51	17.7	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.53	18.45	18.45	17.7	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.44	18.57	18.41	17.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.42	18.69	18.59	17.7	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.47	18.47	18.43	17.7	0.0		

FCC_n41(HPUE)_Ant 11									
BW (MHz)	Modulation	RB 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	16.46	16.39	16.36			
100	Pi/2 BPSK	1	137	16.46	16.42	16.41	17.7	0.0	
100	Pi/2 BPSK	1	271	16.44	16.43	16.40			
100	Pi/2 BPSK	135	0	16.50	16.36	16.42	17.7	0.0	
100	Pi/2 BPSK	135	69	16.42	16.38	16.45	17.7	0.0	
100	Pi/2 BPSK	135	138	16.47	16.37	16.46			
100	Pi/2 BPSK	270	0	16.36	16.47	16.39	17.7	0.0	
100	QPSK	1	1	16.36	16.58	16.54			
100	QPSK	1	137	16.49	16.44	16.38	17.7	0.0	
100	QPSK	1	271	16.43	16.43	16.41			
100	QPSK	135	0	16.40	16.36	16.46			
100	QPSK	135	69	16.35	16.56	16.53	17.7	0.0	
100	QPSK	135	138	16.46	16.39	16.37			
100	QPSK	270	0	16.43	16.46	16.36	17.7	0.0	
100	16QAM	1	1	16.42	16.36	16.46	17.7	0.0	
100	64QAM	1	1	16.38	16.45	16.41	17.7	0.0	
100	256QAM	1	1	16.48	16.46	16.47	17.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.49	16.55	16.52	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.45	16.51	16.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.44	16.57	16.52	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.45	16.54	16.40	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.49	16.55	16.41	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.53	16.45	16.45	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.44	16.57	16.41	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.47	16.47	16.43	Tune-up limit (dBm)	MPR (dB)	

FCC_n41_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	Pi/2 BPSK	1	1	16.44	16.47	16.42			
100	Pi/2 BPSK	1	137	16.12	16.19	16.15	19.5	0.0	
100	Pi/2 BPSK	1	271	16.21	16.26	16.14			
100	Pi/2 BPSK	135	0	16.27	16.31	16.19	19.5	0.0	
100	Pi/2 BPSK	135	69	16.19	16.22	16.14	19.5	0.0	
100	Pi/2 BPSK	135	138	16.28	16.31	16.24			
100	Pi/2 BPSK	270	0	16.24	16.30	16.22			
100	QPSK	1	1	16.34	16.48	16.42			
100	QPSK	1	137	16.17	16.18	16.05	19.5	0.0	
100	QPSK	1	271	16.26	16.32	16.27			
100	QPSK	135	0	16.29	16.33	16.28			
100	QPSK	135	69	16.33	16.37	16.35	19.5	0.0	
100	QPSK	135	138	16.22	16.25	16.22			
100	QPSK	270	0	16.23	16.33	16.18	19.5	0.0	
100	16QAM	1	1	16.19	16.25	16.16	19.5	0.0	
100	64QAM	1	1	16.26	16.32	16.27	19.5	0.0	
100	256QAM	1	1	16.29	16.38	16.31	19.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.21	16.46	16.31	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.33	16.40	16.36	19.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.28	16.37	16.39	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.29	16.43	16.37	19.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.27	16.43	16.35	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.28	16.39	16.32	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.23	16.43	16.38	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.24	16.34	16.29	19.5	0.0	

FCC_n41(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 (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi/2 BPSK	1	1	16.44	16.47	16.42			
100	Pi/2 BPSK	1	137	16.12	16.19	16.15	19.5	0.0	
100	Pi/2 BPSK	1	271	16.21	16.26	16.14			
100	Pi/2 BPSK	135	0	16.27	16.31	16.19	19.5	0.0	
100	Pi/2 BPSK	135	69	16.19	16.22	16.14	19.5	0.0	
100	Pi/2 BPSK	135	138	16.28	16.31	16.24			
100	Pi/2 BPSK	270	0	16.24	16.30	16.22			
100	QPSK	1	1	16.34	16.48	16.42			
100	QPSK	1	137	16.17	16.18	16.05	19.5	0.0	
100	QPSK	1	271	16.26	16.32	16.27			
100	QPSK	135	0	16.29	16.33	16.28			
100	QPSK	135	69	16.33	16.37	16.35	19.5	0.0	
100	QPSK	135	138	16.22	16.25	16.22			
100	QPSK	270	0	16.23	16.33	16.18	19.5	0.0	
100	16QAM	1	1	16.19	16.25	16.16	19.5	0.0	
100	64QAM	1	1	16.26	16.32	16.27	19.5	0.0	
100	256QAM	1	1	16.29	16.38	16.31	19.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.19	16.46	16.31	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.33	16.40	16.36	19.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.28	16.37	16.39	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.29	16.43	16.37	19.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.27	16.43	16.35	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.28	16.39	16.32	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.23	16.43	16.38	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.24	16.34	16.25	19.5	0.0	

Part27Q_n77_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)				633332			3499.98		
100	Pl2 BPSK	1	1	14.63					
100	Pl2 BPSK	1	137	14.68				16.4	0.0
100	Pl2 BPSK	1	271	14.68					
100	Pl2 BPSK	135	0	14.62				16.4	0.0
100	Pl2 BPSK	135	69	14.65				16.4	0.0
100	Pl2 BPSK	135	138	14.66				16.4	0.0
100	Pl2 BPSK	270	0	14.62					
100	QPSK	1	1	14.68				16.4	0.0
100	QPSK	1	137	14.65					
100	QPSK	1	271	14.64					
100	QPSK	135	0	14.66					
100	QPSK	135	69	14.67				16.4	0.0
100	QPSK	135	138	14.64					
100	QPSK	270	0	14.61				15.9	0.5
100	16QAM	1	1	14.39				15.4	1.0
100	64QAM	1	1	14.43				16.0	1.5
100	256QAM	1	1	14.01				14.4	2.0
Channel									
Frequency (MHz)				633000 <th>633666<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633666 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	14.69	14.55	14.64	15.4	0.0	
Channel									
Frequency (MHz)				632668 <th>633000<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633000 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	14.58	14.60	14.61	16.4	0.0	
Channel									
Frequency (MHz)				632000 <th>633666<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633666 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	14.55	14.56	14.62	16.4	0.0	
Channel									
Frequency (MHz)				632000 <th>633332<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633332 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	14.62	14.60	14.65	16.4	0.0	
Channel									
Frequency (MHz)				631668 <th>633000<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633000 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	14.59	14.57	14.68	16.4	0.0	
Channel									
Frequency (MHz)				631334 <th>633332<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633332 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	14.67	14.57	14.59	16.4	0.0	
Channel									
Frequency (MHz)				631000 <th>633666<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633666 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.65	14.63	14.55	16.4	0.0	
Channel									
Frequency (MHz)				630668 <th>633000<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>			633000 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	14.68	14.56	14.56	16.4	0.0	

Part27Q_n77_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)				650000			3840			
100	Pl2 BPSK	1	1	14.59	14.57	14.58		16.4	0.0	
100	Pl2 BPSK	1	137	14.57	14.51	14.55				
100	Pl2 BPSK	1	271	14.54	14.66	14.56				
100	Pl2 BPSK	135	0	14.56	14.48	14.49		16.4	0.0	
100	Pl2 BPSK	135	69	14.59	14.50	14.50		16.4	0.0	
100	Pl2 BPSK	135	138	14.64	14.57	14.51		16.4	0.0	
100	Pl2 BPSK	270	0	14.51	14.58	14.60		16.4	0.0	
100	QPSK	1	1	14.55	14.67	14.61				
100	QPSK	1	137	14.52	14.63	14.56				
100	QPSK	1	271	14.53	14.54	14.55		16.4	0.0	
100	QPSK	135	0	14.54	14.58	14.46				
100	QPSK	135	69	14.56	14.55	14.54				
100	QPSK	135	138	14.48	14.53	14.51		15.9	0.5	
100	QPSK	270	0	14.49	14.51	14.50				
100	16QAM	1	1	14.35	14.27	14.30		15.4	1.0	
100	64QAM	1	1	14.38	14.38	14.35		16.0	1.5	
100	256QAM	1	1	13.92	13.92	13.95		14.4	2.0	
Channel										
Frequency (MHz)				649668			650000	662332	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	14.51	14.52	14.51	16.4	0.0		
Channel										
Frequency (MHz)				649334			650000	662666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	14.51	14.54	14.46	16.4	0.0		
Channel										
Frequency (MHz)				649000			650000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	14.54	14.59	14.56	16.4	0.0		
Channel										
Frequency (MHz)				648668			650000	663332	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	14.55	14.66	14.49	16.4	0.0		
Channel										
Frequency (MHz)				648334			650000	663666	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	14.54	14.62	14.48	16.4	0.0		
Channel										
Frequency (MHz)				648000			650000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	14.63	14.54	14.56	16.4	0.0		
Channel										
Frequency (MHz)				647668			650000	664332	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.60	14.60	14.48	16.4	0.0		
Channel										
Frequency (MHz)				647334			650000	664666	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	14.60	14.55	14.48	16.4	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)				633332			3499.98			
100	Pl2 BPSK	1	1		17.17			18.7	0.0	
100	Pl2 BPSK	1	137		17.11					
100	Pl2 BPSK	1	271		17.18					
100	Pl2 BPSK	135	0		17.09			18.7	0.0	
100	Pl2 BPSK	135	69		17.12			18.7	0.0	
100	Pl2 BPSK	135	138		17.11			18.7	0.0	
100	Pl2 BPSK	270	0		17.12			18.7	0.0	
100	QPSK	1	1		17.31					
100	QPSK	1	137		17.22					
100	QPSK	1	271		17.17			18.7	0.0	
100	QPSK	135	0		17.20					
100	QPSK	135	69		17.26					
100	QPSK	135	138		17.25			18.7	0.0	
100	QPSK	270	0		17.14			18.7	0.0	
100	16QAM	1	1		17.21			18.7	0.0	
100	64QAM	1	1		17.16			18.7	0.0	
100	256QAM	1	1		17.08			18.7	0.0	
Channel										
Frequency (MHz)				633000			633332	633666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.20	17.14	17.23	18.7	0.0		
Channel										
Frequency (MHz)				632668			633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.24	17.19	17.27	18.7	0.0		
Channel										
Frequency (MHz)				632000			633332	634666	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	17.21	17.27	17.27	18.7	0.0		
Channel										
Frequency (MHz)				632000			633332	633666	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.16	17.24	17.26	18.7	0.0		
Channel										
Frequency (MHz)				631668			633332	634000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.18	17.27	17.26	18.7	0.0		
Channel										
Frequency (MHz)				631334			633332	633666	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.15	17.25	17.27	18.7	0.0		
Channel										
Frequency (MHz)				631000			633332	633666	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.20	17.24	17.19	18.7	0.0		
Channel										
Frequency (MHz)				630668			633332	634000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.17	17.15	17.16	18.7	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	19.5	0.0	
Frequency (MHz)				17.83					
100	Pl2 BPSK	1	1		17.83				
100	Pl2 BPSK	1	137		17.75				
100	Pl2 BPSK	1	271		17.74				
100	Pl2 BPSK	135	0		17.81				
100	Pl2 BPSK	135	69		17.82				
100	Pl2 BPSK	135	138		17.74				
100	Pl2 BPSK	270	0		17.82				
100	QPSK	1	1		17.85				
100	QPSK	1	137		17.86				
100	QPSK	1	271		17.84				
100	QPSK	135	0		17.85				
100	QPSK	135	69		17.83				
100	QPSK	135	138		17.84				
100	QPSK	270	0		17.85				
100	16QAM	1	1		17.68				
100	16QAM	1	1		17.66				
100	256QAM	1	1		17.66				
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1		17.89	17.88	17.87	19.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1		17.85	17.83	17.81	19.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1		17.81	17.81	17.86	19.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1		17.94	17.85	17.91	19.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1		17.91	17.82	17.80	19.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1		17.88	17.81	17.91	19.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1		17.91	17.87	17.87	19.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1		17.83	17.91	17.88	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				650000		650000	3600	19.5	0.0
Frequency (MHz)				18.11		18.12			
100	Pl2 BPSK	1	1		18.11	18.12	17.99		
100	Pl2 BPSK	1	137		17.92	18.04	18.01		
100	Pl2 BPSK	1	271		17.90	17.94	17.83		
100	Pl2 BPSK	135	0		17.96	18.02	17.96		
100	Pl2 BPSK	135	69		18.09	18.11	17.97		
100	Pl2 BPSK	135	138		17.86	17.99	17.84		
100	Pl2 BPSK	270	0		18.01	18.03	17.98		
100	QPSK	1	1		18.08	18.17	18.14		
100	QPSK	1	137		18.07	18.12	18.11		
100	QPSK	1	271		18.01	18.13	18.04		
100	QPSK	135	0		18.00	18.01	17.94		
100	QPSK	135	69		18.02	18.05	18.07		
100	QPSK	135	138		18.02	18.11	18.06		
100	QPSK	270	0		17.86	18.09	18.05		
100	16QAM	1	1		17.84	17.92	17.87		
100	16QAM	1	1		17.76	17.86	17.76		
100	256QAM	1	1		17.74	17.81	17.77		
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3740	3741.98	(dBm)	(dB)	
90	QPSK	1	1		18.09	18.12	18.05	19.5	0.0
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3740	3740.98	(dBm)	(dB)	
80	QPSK	1	1		18.03	18.09	18.07	19.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3740	3745	(dBm)	(dB)	
70	QPSK	1	1		17.94	18.14	18.05	19.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3740	3748.98	(dBm)	(dB)	
60	QPSK	1	1		18.01	18.02	18.00	19.5	0.0
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3740	3754.98	(dBm)	(dB)	
50	QPSK	1	1		17.98	18.15	18.09	19.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3740	3760	(dBm)	(dB)	
40	QPSK	1	1		17.97	18.03	18.11	19.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3740	3764.98	(dBm)	(dB)	
30	QPSK	1	1		17.98	18.02	18.12	19.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3740	3769.98	(dBm)	(dB)	
20	QPSK	1	1		18.04	18.11	18.07	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				633332		3499.98	18.5	0.0	
Frequency (MHz)				17.26					
100	Pl2 BPSK	1	1		17.26				
100	Pl2 BPSK	1	137		17.31				
100	Pl2 BPSK	1	271		17.29				
100	Pl2 BPSK	135	0		17.31				
100	Pl2 BPSK	135	69		17.39				
100	Pl2 BPSK	135	138		17.39				
100	Pl2 BPSK	270	0		17.37				
100	QPSK	1	1		17.41				
100	QPSK	1	137		17.32				
100	QPSK	1	271		17.33				
100	QPSK	135	0		17.31				
100	QPSK	135	69		17.36				
100	QPSK	135	138		17.29				
100	QPSK	270	0		17.35				
100	16QAM	1	1		17.59				
100	16QAM	1	1		17.16				
100	256QAM	1	1		17.40				
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1		17.27	17.29	17.27	19.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1		17.27	17.29	17.36	18.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1		17.37	17.28	17.38	18.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1		17.34	17.29	17.38	18.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1		17.29	17.26	17.32	18.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1		17.33	17.35	17.26	18.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1		17.36	17.32	17.26	18.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1		17.27	17.27	17.28	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mid. Ch. / Freq.	Power Hizh Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			19.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	17.83			19.7	0.0	
100	Pl2 BPSK	1	137	17.78					
100	Pl2 BPSK	1	271	17.87			19.7	0.0	
100	Pl2 BPSK	135	0	17.80					
100	Pl2 BPSK	135	69	17.76			19.7	0.0	
100	Pl2 BPSK	135	138	17.84					
100	Pl2 BPSK	270	0	17.77			19.7	0.0	
100	QPSK	1	1	18.04					
100	QPSK	1	137	17.92			19.7	0.0	
100	QPSK	1	271	18.03					
100	QPSK	135	0	17.95			19.7	0.0	
100	QPSK	135	69	18.01					
100	QPSK	135	138	17.97			19.7	0.0	
100	QPSK	270	0	17.91					
100	16QAM	1	1	17.78			19.7	0.0	
100	16QAM	1	1	17.76					
100	256QAM	1	1	17.91			19.7	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	18.10	17.90	17.89	19.7	0.0	
Channel				632668	633332	634000	19.7	0.0	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	17.83	17.92	17.96	19.7	0.0	
Channel				632334	633332	634332	19.7	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	18.00	18.01	17.98	19.7	0.0	
Channel				632000	633332	634668	19.7	0.0	
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	17.99	18.02	17.96	19.7	0.0	
Channel				631668	633332	635000	19.7	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	17.98	17.98	18.02	19.7	0.0	
Channel				631334	633332	635332	19.7	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	17.90	18.02	17.96	19.7	0.0	
Channel				631000	633332	635668	19.7	0.0	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	17.91	17.95	17.92	19.7	0.0	
Channel				630668	633332	636000	19.7	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.93	17.91	17.98	19.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	17.98			19.7	0.0	
100	Pl2 BPSK	1	137	17.96					
100	Pl2 BPSK	1	271	18.10			19.7	0.0	
100	Pl2 BPSK	135	0	18.00					
100	Pl2 BPSK	135	69	17.91			19.7	0.0	
100	Pl2 BPSK	135	138	17.97					
100	Pl2 BPSK	270	0	18.01			19.7	0.0	
100	QPSK	1	1	18.05					
100	QPSK	1	137	18.18			19.7	0.0	
100	QPSK	1	271	18.23					
100	QPSK	135	0	18.17			19.7	0.0	
100	QPSK	135	69	18.21					
100	QPSK	135	138	18.09			19.7	0.0	
100	QPSK	270	0	18.05					
100	16QAM	1	1	18.00			19.7	0.0	
100	16QAM	1	1	17.78					
100	256QAM	1	1	18.07			19.7	0.0	
Channel									
				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
80	QPSK	1	1	18.12	18.17	18.13	19.7	0.0	
Channel									
				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.98			
80	QPSK	1	1	18.16	18.18	18.13	19.7	0.0	
Channel									
				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.19	18.24	18.10	19.7	0.0	
Channel									
				646668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3774.98			
60	QPSK	1	1	18.11	18.11	18.19	19.7	0.0	
Channel									
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3781.98			
50	QPSK	1	1	18.11	18.24	18.23	19.7	0.0	
Channel									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.17	18.11	18.14	19.7	0.0	
Channel									
				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	18.23	18.17	18.12	19.7	0.0	
Channel									
				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.98			
20	QPSK	1	1	18.10	18.20	18.20	19.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	19.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	17.83			19.7	0.0	
100	Pl2 BPSK	1	137	17.78					
100	Pl2 BPSK	1	271	17.87			19.7	0.0	
100	Pl2 BPSK	135	0	17.80					
100	Pl2 BPSK	135	69	17.76			19.7	0.0	
100	Pl2 BPSK	135	138	17.76					
100	Pl2 BPSK	270	0	17.77			19.7	0.0	
100	QPSK	1	1	18.04					
100	QPSK	1	137	17.92			19.7	0.0	
100	QPSK	1	271	18.03					
100	QPSK	135	0	17.95			19.7	0.0	
100	QPSK	135	69	18.01					
100	QPSK	135	138	17.97			19.7	0.0	
100	QPSK	270	0	17.91					
100	16QAM	1	1	17.78			19.7	0.0	
100	16QAM	1	1	17.76					
100	256QAM	1	1	17.91			19.7	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	18.10	17.90	17.89	19.7	0.0	
Channel				632668	633332	634000	19.7	0.0	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	17.83	17.92	17.96	19.7	0.0	
Channel				632334	633332	634332	19.7	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	18.00	18.01	17.98	19.7	0.0	
Channel				632000	633332	634668	19.7	0.0	
Frequency (MHz)				3485	3499.98	3519.98			
60	QPSK	1	1	18.00	18.01	17.98	19.7	0.0	
Channel				631668	633332	635000	19.7	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	17.98	17.98	18.02	19.7	0.0	
Channel				631334	633332	635332	19.7	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	17.80	18.02	17.96	19.7	0.0	
Channel				631000	633332	635668	19.7	0.0	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	17.91	17.95	17.92	19.7	0.0	
Channel				630668	633332	636000	19.7	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.93	17.91	17.98	19.7	0.0	

Part270_n78(HPUe)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		17.98				
100	Pl2 BPSK	1	137		17.96		19.7	0.0	
100	Pl2 BPSK	1	271		18.10				
100	Pl2 BPSK	135	0		18.00		19.7	0.0	
100	Pl2 BPSK	135	69		17.91		19.7	0.0	
100	Pl2 BPSK	135	138		17.97		19.7	0.0	
100	Pl2 BPSK	270	0		18.01				
100	QPSK	1	1		18.25				
100	QPSK	1	137		18.18		19.7	0.0	
100	QPSK	1	271		18.23				
100	QPSK	135	0		18.17		19.7	0.0	
100	QPSK	135	69		18.21				
100	QPSK	135	138		18.09				
100	QPSK	270	0		18.05		19.7	0.0	
100	16QAM	1	1		18.00		19.7	0.0	
100	64QAM	1	1		17.76		19.7	0.0	
100	256QAM	1	1		18.07		19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	68698.3745	65000.3750	65032.3754	Turn-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	68722.8177	65000.8182	65032.8187	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	68033.3740	65000.3750	65066.3759	Turn-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	6818.3745	65000.3750	65116.3755	19.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	6819.3735	65000.3750	65132.3755	Turn-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	6819.3735	65000.3750	65132.3755	19.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	6819.3725	65000.3750	65132.3755	Turn-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	6819.3725	65000.3750	65132.3755	19.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	68033.3750	65000.3750	65166.3759	Turn-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	68033.3750	65000.3750	65166.3759	19.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	6817.3750	65000.3750	65200.3759	Turn-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	6817.3750	65000.3750	65200.3759	19.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	6817.3715	65000.3750	65232.3759	Turn-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	6817.3715	65000.3750	65232.3759	19.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	6817.3701	65000.3750	65266.3759	Turn-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	6817.3701	65000.3750	65266.3759	19.7	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3499.98									
100	Pl2 BPSK	1	1	21.30					
100	Pl2 BPSK	1	137		21.79		22.7	0.0	
100	Pl2 BPSK	1	271		21.72				
100	Pl2 BPSK	135	0		21.27		22.7	0.0	
100	Pl2 BPSK	135	69		21.61		22.7	0.0	
100	Pl2 BPSK	135	138		21.61		22.7	0.0	
100	Pl2 BPSK	270	0		21.49				
100	QPSK	1	1		21.37				
100	QPSK	1	137		21.82		22.7	0.0	
100	QPSK	1	271		21.72				
100	QPSK	135	0		21.33		22.7	0.0	
100	QPSK	135	69		21.72				
100	QPSK	135	138		21.63				
100	QPSK	270	0		21.35		22.2	0.5	
100	16QAM	1	1		20.98		21.7	1.0	
100	64QAM	1	1		21.01		21.7	1.0	
100	256QAM	1	1		21.55		22.2	0.5	
Channel									
Frequency (MHz)									
3499.98									
100	QPSK	1	120	3499.98	3499.98	3499.98	22.7	0.0	MPR (dB)
Channel									
Frequency (MHz)									
3490.02									
80	QPSK	1	100	21.34	21.31	21.28	22.7	0.0	MPR (dB)
Channel									
Frequency (MHz)									
3480.02									
70	QPSK	1	95	21.24	21.21	21.18	22.7	0.0	MPR (dB)
Channel									
Frequency (MHz)									
3470.01									
60	QPSK	1	81	21.35	21.34	21.35	22.7	0.0	MPR (dB)
Channel									
Frequency (MHz)									
3460.01									
50	QPSK	1	67	21.24	21.22	21.21	22.7	0.0	MPR (dB)
Channel									
Frequency (MHz)									
3450.01									
40	QPSK	1	53	21.25	21.26	21.27	22.7	0.0	MPR (dB)
Channel									
Frequency (MHz)									
3440.01									
30	QPSK	1	39	21.26	21.33	21.38	22.7	0.0	MPR (dB)
Channel									
Frequency (MHz)									
3430.01									
20	QPSK	1	26	21.29	21.34	21.35	22.7	0.0	MPR (dB)

Part270_n78_Ant 6									
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)									
3750									
100	Pl2 BPSK	1	1		21.63				
100	Pl2 BPSK	1	137		21.99		22.7	0.0	
100	Pl2 BPSK	1	271		21.91				
100	Pl2 BPSK	135	0		21.54		22.7	0.0	
100	Pl2 BPSK	135	69		21.78		22.7	0.0	
100	Pl2 BPSK	135	138		21.89		22.7	0.0	
100	Pl2 BPSK	270	0		21.72				
100	QPSK	1	1		21.70				
100	QPSK	1	137		22.01		22.7	0.0	
100	QPSK	1	271		21.91				
100	QPSK	135	0		21.62		22.7	0.0	
100	QPSK	135	69		21.67				
100	QPSK	135	138		21.79				
100	QPSK	270	0		21.54		22.2	0.5	
100	16QAM	1	1		21.36		22.2	0.5	
100	64QAM	1	1		21.47		22.2	0.5	
100	256QAM	1	1		21.93		22.7	0.0	
Channel									
Frequency (MHz)									
3752.02									
QPSK									
Channel									
Frequency (MHz)									
3754.02									
90	QPSK	1	100	21.61	21.50	21.60	22.7	0.0	
Channel									
Frequency (MHz)									
3756.01									
80	QPSK	1	109	21.62	21.57	21.67	22.7	0.0	
Channel									
Frequency (MHz)									
3758.00									
70	QPSK	1	95	21.75	21.69	21.58	22.7	0.0	
Channel									
Frequency (MHz)									
3760.00									
60	QPSK	1	81	21.55	21.67	21.62	22.7	0.0	
Channel									
Frequency (MHz)									
3762.01									
50	QPSK	1	67	21.57	21.60	21.67	22.7	0.0	
Channel									
Frequency (MHz)									
3764.00									
40	QPSK	1	53	21.59	21.69	21.64	22.7	0.0	
Channel									
Frequency (MHz)									
3766.02									
30	QPSK	1	39	21.55	21.66	21.69	22.7	0.0	
Channel									
Frequency (MHz)									
3768.03									
20	QPSK	1	26	21.62	21.67	21.68	22.7	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	21.30			22.7		
100	Pl2 BPSK	1	137	21.79					
100	Pl2 BPSK	1	271	21.72			22.7		
100	Pl2 BPSK	135	0	21.27					
100	Pl2 BPSK	135	69	21.61			22.7		
100	Pl2 BPSK	135	138	21.61					
100	Pl2 BPSK	270	0	21.49			22.7		
100	QPSK	1	1	21.37					
100	QPSK	1	137	21.82			22.7		
100	QPSK	1	271	21.72					
100	QPSK	135	0	21.33			22.7		
100	QPSK	135	69	21.72					
100	QPSK	135	138	21.63			22.2		
100	QPSK	270	0	21.35					
100	16QAM	1	1	20.98			21.7		
100	16QAM	1	1	21.01					
100	256QAM	1	1	21.55			22.2		
100	256QAM	1	1	21.55					
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	120	21.11	21.53	21.33	22.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	109	21.34	21.31	21.28	22.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	95	21.24	21.27	21.34	22.7	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	81	21.35	21.34	21.35	22.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	67	21.24	21.23	21.22	22.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	53	21.25	21.29	21.27	22.7	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	39	21.26	21.33	21.36	22.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	26	21.29	21.34	21.35	22.7	0.0	

Part27O_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750			
Frequency (MHz)									
100	Pl2 BPSK	1	1	21.63			22.7		
100	Pl2 BPSK	1	137	21.99					
100	Pl2 BPSK	1	271	21.91			22.7		
100	Pl2 BPSK	135	0	21.54					
100	Pl2 BPSK	135	69	21.78			22.7		
100	Pl2 BPSK	135	138	21.89					
100	Pl2 BPSK	270	0	21.72			22.7		
100	QPSK	1	1	21.72					
100	QPSK	1	137	22.01			22.7		
100	QPSK	1	271	21.91					
100	QPSK	135	0	21.62			22.7		
100	QPSK	135	69	21.87					
100	QPSK	135	138	21.79			22.2		
100	QPSK	270	0	21.54					
100	16QAM	1	1	21.36			21.7		
100	16QAM	1	1	21.47					
100	256QAM	1	1	21.93			22.2		
100	256QAM	1	1	21.93					
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
80	QPSK	1	120	21.61	21.56	21.68	22.7	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	109	21.62	21.57	21.57	22.7	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	21.67	21.69	21.58	22.7	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3732.01	3750	3764.98	(dBm)	(dB)	
60	QPSK	1	81	21.55	21.67	21.62	22.7	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3728.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	67	21.57	21.60	21.67	22.7	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	21.59	21.69	21.64	22.7	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	39	21.55	21.66	21.68	22.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	26	21.62	21.67	21.68	22.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.34			21.5		
100	Pl2 BPSK	1	137	20.36					
100	Pl2 BPSK	1	271	20.41			21.5		
100	Pl2 BPSK	135	0	20.23					
100	Pl2 BPSK	135	69	20.40			21.5		
100	Pl2 BPSK	135	138	20.44					
100	Pl2 BPSK	270	0	20.32			21.5		
100	QPSK	1	1	20.44					
100	QPSK	1	137	20.38			21.5		
100	QPSK	1	271	20.41					
100	QPSK	135	0	20.21			21.5		
100	QPSK	135	69	20.37					
100	QPSK	135	138	20.36			21.5		
100	QPSK	270	0	20.24					
100	16QAM	1	1	20.04			21.5		
100	16QAM	1	1	20.09					
100	256QAM	1	1	20.41			21.5		
100	256QAM	1	1	20.41					
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	20.32	20.39	20.43	21.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	20.41	20.40	20.33	21.5	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	20.37	20.30	20.33	21.5	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3479.02	3499.98	3509.98			
60	QPSK	1	1	20.32	20.39	20.34	21.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3478.02	3499.98	3504.98			
50	QPSK	1	1	20.38	20.29	20.33	21.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	20.28	20.29	20.37	21.5	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	20.35	20.39	20.40	21.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
25	QPSK	1	1	20.28	20.42	20.38	21.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power High Ch. / Freq.	Power Power	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.52			21.5	0.0	
100	Pl2 BPSK	1	137	20.64					
100	Pl2 BPSK	1	271	20.60					
100	Pl2 BPSK	135	0	20.59			21.5	0.0	
100	Pl2 BPSK	135	69	20.65			21.5	0.0	
100	Pl2 BPSK	135	138	20.54			21.5	0.0	
100	Pl2 BPSK	270	0	20.64			21.5	0.0	
100	QPSK	1	1	20.74					
100	QPSK	1	137	20.68					
100	QPSK	1	271	20.64			21.5	0.0	
100	QPSK	135	0	20.43					
100	QPSK	135	69	20.54					
100	QPSK	135	138	20.54			21.5	0.0	
100	QPSK	270	0	20.49					
100	16QAM	1	1	20.37			21.5	0.0	
100	64QAM	1	1	20.38			21.5	0.0	
100	256QAM	1	1	20.73			21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.40	65000	20.62	Turn-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.40	3750	3754.98	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.72	65000	20.69	Turn-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.72	3750	3765.99	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.60	65000	20.61	Turn-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.60	3750	3765.99	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.64	65000	20.65	Turn-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	20.64	3750	3765.99	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.61	65000	20.70	Turn-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	20.61	3750	3774.99	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.61	65000	20.70	Turn-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	20.61	3750	3765.99	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.65	65000	20.68	Turn-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.65	3750	3768.98	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.67	65000	20.71	Turn-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.67	3750	3768.98	21.5	0.0	

Part27Q_n78(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	Pl2 BPSK	1	1	20.34	65332	65332	21.5	0.0	
100	Pl2 BPSK	1	137	20.36					
100	Pl2 BPSK	1	271	20.41					
100	Pl2 BPSK	135	0	20.23			21.5	0.0	
100	Pl2 BPSK	135	69	20.40			21.5	0.0	
100	Pl2 BPSK	135	138	20.44			21.5	0.0	
100	Pl2 BPSK	270	0	20.32					
100	QPSK	1	1	20.38					
100	QPSK	1	137	20.38			21.5	0.0	
100	QPSK	1	271	20.41					
100	QPSK	135	0	20.21					
100	QPSK	135	69	20.37			21.5	0.0	
100	QPSK	135	138	20.38					
100	QPSK	270	0	20.24					
100	16QAM	1	1	20.04			21.5	0.0	
100	64QAM	1	1	20.06			21.5	0.0	
100	256QAM	1	1	20.41			21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.32	63300	63302	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.41	63302	63304	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.32	63302	63304	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.37	63303	63305	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.30	63303	63305	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.32	63303	63305	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.36	63302	63302	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.30	63302	63302	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.29	63302	63302	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.29	63302	63302	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.29	63302	63302	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.36	63303	63304	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.36	63303	63304	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.36	63303	63304	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.29	63302	63302	Tune-up limit (dBm)	MPR (dB)	

Part270_n78(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	Pl2 BPSK	1	1	20.52			21.5	0.0	
100	Pl2 BPSK	1	137	20.64					
100	Pl2 BPSK	1	271	20.60					
100	Pl2 BPSK	135	0	20.59			21.5	0.0	
100	Pl2 BPSK	135	69	20.65			21.5	0.0	
100	Pl2 BPSK	135	138	20.54			21.5	0.0	
100	Pl2 BPSK	270	0	20.64					
100	QPSK	1	1	20.74					
100	QPSK	1	137	20.68			21.5	0.0	
100	QPSK	1	271	20.64					
100	QPSK	135	0	20.43					
100	QPSK	135	69	20.54			21.5	0.0	
100	QPSK	135	138	20.54					
100	QPSK	270	0	20.49					
100	16QAM	1	1	20.37			21.5	0.0	
100	64QAM	1	1	20.38			21.5	0.0	
100	256QAM	1	1	20.73			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.63	20.59	20.62	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.72	20.68	20.69	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.75	20.70	20.72	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.80	20.71	20.61	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.68	20.59	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.70	20.68	20.65	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.65	20.69	20.67	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.67	20.71	20.61	21.5	0.0	

n2_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 372000	Power Middle Ch. F Freq. 376000	Power High Ch. F Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.74	22.85	22.70	24.2	0.0	
20	Pl2 BPSK	1	53	22.85	22.94	22.90			
20	Pl2 BPSK	1	104	22.81	22.96	22.83			
20	Pl2 BPSK	50	0	22.43	22.45	22.39	23.7	0.5	
20	Pl2 BPSK	50	28	22.88	22.91	22.82	24.2	0.0	
20	Pl2 BPSK	50	56	22.33	22.46	22.34	23.7	0.5	
20	Pl2 BPSK	100	0	22.34	22.46	22.34			
20	QPSK	1	1	22.95	23.03	22.98			
20	QPSK	1	53	22.92	22.94	22.83	24.2	0.0	
20	QPSK	1	104	22.92	22.99	22.97	23.7	0.5	
20	QPSK	50	0	22.36	22.44	22.40			
20	QPSK	50	28	22.78	22.91	22.76	24.2	0.0	
20	QPSK	50	56	22.38	22.43	22.41	23.7	0.5	
20	QPSK	100	0	22.29	22.42	22.41			
20	16QAM	1	1	22.09	22.14	22.06	23.2	1.0	
20	64QAM	1	1	21.84	21.70	21.63	22.7	1.5	
20	256QAM	1	1	21.28	21.30	21.21	22.2	2.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	22.87	22.92	22.97	24.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	22.98	23.02	22.93	24.2	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	22.89	23.02	22.92	24.2	0.0	

Reduced Power Mode for ECI 5									
n2_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 372000	Power Middle Ch. F Freq. 376000	Power High Ch. F Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	16.28	16.37	16.32	17.8	0.0	
20	Pl2 BPSK	1	53	16.37	16.29	16.32			
20	Pl2 BPSK	1	104	16.27	16.27	16.33			
20	Pl2 BPSK	50	0	16.34	16.31	16.35	17.8	0.0	
20	Pl2 BPSK	50	28	16.40	16.37	16.30	17.8	0.0	
20	Pl2 BPSK	50	56	16.40	16.34	16.36	17.8	0.0	
20	Pl2 BPSK	100	0	16.27	16.34	16.35			
20	QPSK	1	1	16.35	16.41	16.37			
20	QPSK	1	53	16.28	16.31	16.32	17.8	0.0	
20	QPSK	1	104	16.35	16.39	16.30	17.8	0.0	
20	QPSK	50	0	16.29	16.27	16.21			
20	QPSK	50	28	16.30	16.34	16.21			
20	QPSK	50	56	16.25	16.30	16.21	17.8	0.0	
20	QPSK	100	0	16.31	16.33	16.27			
20	16QAM	1	1	16.37	16.30	16.32	17.8	0.0	
20	64QAM	1	1	16.32	16.32	16.36	17.8	0.0	
20	256QAM	1	1	16.30	16.36	16.39	17.8	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	16.23	16.30	16.20	17.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	16.24	16.20	16.20	17.8	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	16.14	16.27	16.16	17.8	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 166800	Power Middle Ch. F Freq. 167500	Power High Ch. F Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	Pl2 BPSK	1	1	24.26	24.41	24.37	25.9	0.0	
20	Pl2 BPSK	1	53	24.42	24.56	24.45			
20	Pl2 BPSK	1	104	24.46	24.47	24.32			
20	Pl2 BPSK	50	0	24.11	24.16	24.05	25.4	0.5	
20	Pl2 BPSK	50	28	24.53	24.55	24.40	25.9	0.0	
20	Pl2 BPSK	50	56	24.08	24.17	24.09	25.4	0.5	
20	Pl2 BPSK	100	0	24.30	24.45	24.36			
20	QPSK	1	1	24.51	24.57	24.44			
20	QPSK	1	53	24.44	24.46	24.43	25.9	0.0	
20	QPSK	1	104	24.41	24.46	24.44	25.4	0.5	
20	QPSK	50	0	24.07	24.16	24.06			
20	QPSK	50	28	24.45	24.54	24.48	25.9	0.0	
20	QPSK	50	56	24.12	24.15	24.04	25.4	0.5	
20	QPSK	100	0	24.16	24.18	24.08			
20	16QAM	1	1	23.09	23.75	23.00	24.9	1.0	
20	64QAM	1	1	23.29	23.32	23.18	24.4	1.5	
20	256QAM	1	1	22.91	22.94	22.81	23.9	2.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.47	24.54	24.34	25.9	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.37	24.46	24.43	25.9	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.44	24.46	24.42	25.9	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 504500	Power Middle Ch. F. Freq. 507500	Power High Ch. F. Freq. 510500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				834	836.5	839			
20	PQ2 BPSK	1	1	18.28	18.28	18.36			
20	PQ2 BPSK	1	53	18.36	18.27	18.29	19.6	0.0	
20	PQ2 BPSK	1	104	18.33	18.34	18.34			
20	PQ2 BPSK	50	0	18.28	18.30	18.35	19.6	0.0	
20	PQ2 BPSK	50	28	18.31	18.37	18.38	19.6	0.0	
20	PQ2 BPSK	50	56	18.34	18.38	18.29			
20	PQ2 BPSK	100	0	18.31	18.32	18.33	19.6	0.0	
20	QPSK	1	1	18.37	18.41	18.38			
20	QPSK	1	53	18.30	18.28	18.36	19.6	0.0	
20	QPSK	1	104	18.32	18.34	18.35			
20	QPSK	50	0	18.28	18.35	18.30	19.6	0.0	
20	QPSK	50	28	18.31	18.38	18.31	19.6	0.0	
20	QPSK	50	56	18.29	18.31	18.30			
20	QPSK	100	0	18.30	18.32	18.27	19.6	0.0	
20	16QAM	1	1	18.38	18.28	18.38	19.6	0.0	
20	64QAM	1	1	18.28	18.30	18.29	19.6	0.0	
20	256QAM	1	1	18.29	18.36	18.28	19.6	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	18.24	18.27	18.23	19.6	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	18.34	18.37	18.28	19.6	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	18.35	18.36	18.30	19.6	0.0	

n7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 504500	Power Middle Ch. F. Freq. 507500	Power High Ch. F. Freq. 510500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PQ2 BPSK	1	1	24.88	25.12	25.11			
40	PQ2 BPSK	1	108	24.97	25.04	24.90	25.9	0.0	
40	PQ2 BPSK	1	214	24.84	25.00	24.88			
40	PQ2 BPSK	108	0	24.56	24.70	24.68	25.4	0.5	
40	PQ2 BPSK	108	54	25.21	25.23	25.17	25.9	0.0	
40	PQ2 BPSK	108	108	24.56	24.44	24.27			
40	PQ2 BPSK	216	0	24.53	24.66	24.61	25.4	0.5	
40	QPSK	1	1	25.27	25.30	25.16			
40	QPSK	1	108	25.08	25.22	25.12	25.9	0.0	
40	QPSK	1	214	24.76	24.86	24.79			
40	QPSK	108	0	24.65	24.87	24.53	25.4	0.5	
40	QPSK	108	54	25.03	25.17	25.02	25.9	0.0	
40	QPSK	108	108	24.52	24.61	24.50			
40	QPSK	216	0	24.48	24.60	24.47	25.4	0.5	
40	16QAM	1	1	24.29	24.32	24.22	24.9	1.0	
40	64QAM	1	1	23.89	23.91	23.82	24.4	1.5	
40	256QAM	1	1	23.49	23.52	23.40	23.9	2.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	25.15	25.15	25.06	25.9	0.0	
Channel				502500	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	25.18	25.28	25.13	25.9	0.0	
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	25.26	25.15	25.01	25.9	0.0	
Channel				503500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	25.13	25.27	25.03	25.9	0.0	
Channel				504000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2566			
10	QPSK	1	1	25.21	25.19	25.09	25.9	0.0	
Channel				504500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	25.19	25.23	25.09	25.9	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 504500	Power Middle Ch. F. Freq. 507500	Power High Ch. F. Freq. 510500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PQ2 BPSK	1	1	17.43	17.49	17.44			
40	PQ2 BPSK	1	108	17.40	17.45	17.45	18.1	0.0	
40	PQ2 BPSK	1	214	17.47	17.38	17.49			
40	PQ2 BPSK	108	0	17.42	17.38	17.39	18.1	0.0	
40	PQ2 BPSK	108	54	17.40	17.38	17.40	18.1	0.0	
40	PQ2 BPSK	108	108	17.40	17.50	17.50			
40	PQ2 BPSK	216	0	17.45	17.41	17.39	18.1	0.0	
40	QPSK	1	1	17.58	17.63	17.50			
40	QPSK	1	108	17.46	17.47	17.36	18.1	0.0	
40	QPSK	1	214	17.40	17.36	17.45			
40	QPSK	108	0	17.36	17.42	17.46	18.1	0.0	
40	QPSK	108	54	17.46	17.49	17.47	18.1	0.0	
40	QPSK	108	108	17.46	17.36	17.45			
40	QPSK	216	0	17.41	17.43	17.38	18.1	0.0	
40	16QAM	1	1	17.42	17.43	17.47	18.1	0.0	
40	64QAM	1	1	17.45	17.49	17.49	18.1	0.0	
40	256QAM	1	1	17.46	17.43	17.48	18.1	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	17.54	17.51	17.44	18.1	0.0	
Channel				503500	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.50	17.57	17.50	18.1	0.0	
Channel				504000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.50	17.56	17.56	18.1	0.0	
Channel				504500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.56	17.53	17.38	18.1	0.0	
Channel				505000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2566			
10	QPSK	1	1	17.56	17.51	17.45	18.1	0.0	
Channel				505500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.53	17.57	17.45	18.1	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 504000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	PlZ BPSK	1	1	15.48	15.57	15.41			
40	PlZ BPSK	1	108	15.43	15.56	15.53	16.7		
40	PlZ BPSK	1	214	15.49	15.53	15.52			
40	PlZ BPSK	108	0	15.45	15.53	15.53	16.7		
40	PlZ BPSK	108	54	15.45	15.58	15.42	16.7		
40	PlZ BPSK	108	108	15.50	15.54	15.46			
40	PlZ BPSK	216	0	15.49	15.55	15.50	16.7		
40	QPSK	1	1	15.56	15.59	15.55			
40	QPSK	1	108	15.46	15.45	15.45	16.7		
40	QPSK	1	214	15.56	15.58	15.48			
40	QPSK	108	0	15.49	15.46	15.51	16.7		
40	QPSK	108	54	15.51	15.54	15.53	16.7		
40	QPSK	108	108	15.44	15.46	15.49			
40	QPSK	216	0	15.46	15.52	15.49	16.7		
40	16QAM	1	1	15.49	15.45	15.49	16.7		
40	64QAM	1	1	15.53	15.45	15.42	16.7		
40	256QAM	1	1	15.48	15.46	15.45	16.7		
Channel				508000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	15.48	15.47	15.54	16.7		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	15.55	15.58	15.51	15.7		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	15.53	15.46	15.41	15.7		
Channel				510100	510000	510200	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	15.46	15.54	15.50	16.7		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2495	2535	2565	(dBm)		
10	QPSK	1	1	15.43	15.44	15.49	16.7		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	15.56	15.49	15.49	16.7		

n7_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 504000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	PlZ BPSK	1	1	16.89	16.83	16.80			
40	PlZ BPSK	1	108	16.83	16.75	16.73	18.2		
40	PlZ BPSK	1	214	16.81	16.80	16.69			
40	PlZ BPSK	108	0	16.85	16.82	16.70	18.2		
40	PlZ BPSK	108	54	16.91	16.89	16.71	18.2		
40	PlZ BPSK	108	108	16.87	16.85	16.74			
40	PlZ BPSK	216	0	16.93	16.86	16.68	18.2		
40	QPSK	1	1	16.90	16.84	16.81			
40	QPSK	1	108	16.86	16.79	16.76	18.2		
40	QPSK	1	214	16.80	16.83	16.71			
40	QPSK	108	0	16.81	16.79	16.73	18.2		
40	QPSK	108	54	16.87	16.88	16.77	18.2		
40	QPSK	108	108	16.85	16.87	16.67			
40	QPSK	216	0	16.82	16.85	16.66	18.2		
40	16QAM	1	1	16.87	16.81	16.80	18.2		
40	64QAM	1	1	16.92	16.86	16.68	18.2		
40	256QAM	1	1	16.93	16.84	16.72	18.2		
Channel				508000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	16.82	16.87	16.68	18.2		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	16.91	16.83	16.71	18.2		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	16.90	16.83	16.68	18.2		
Channel				510100	510000	510200	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	16.85	16.84	16.68	18.2		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2495	2535	2565	(dBm)		
10	QPSK	1	1	16.87	16.87	16.79	18.2		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	16.93	16.89	16.66	18.2		

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	PlZ BPSK	1	1	22.49	22.64	22.56			
15	PlZ BPSK	1	40	22.61	22.72	22.60	24.2		
15	PlZ BPSK	1	77	22.61	22.73	22.60			
15	PlZ BPSK	36	0	22.31	22.32	22.30	23.7		
15	PlZ BPSK	36	22	22.73	22.80	22.79	24.2		
15	PlZ BPSK	36	43	22.15	22.27	22.19	23.7		
15	PlZ BPSK	75	0	22.26	22.32	22.20			
15	QPSK	1	1	22.81	22.82	22.74			
15	QPSK	1	40	22.63	22.72	22.71	24.2		
15	QPSK	1	77	22.71	22.77	22.72			
15	QPSK	36	0	22.34	22.38	22.35	23.7		
15	QPSK	36	22	22.75	22.76	22.70	24.2		
15	QPSK	36	43	22.21	22.25	22.11	23.7		
15	QPSK	75	0	22.06	22.23	22.22			
15	16QAM	1	1	21.93	21.98	21.87	23.2		
15	64QAM	1	1	21.44	21.48	21.48	22.7		
15	256QAM	1	1	21.04	21.18	21.08	22.2		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				706	707.5	711	(dBm)		
10	QPSK	1	1	22.75	22.77	22.59	24.2		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)		
5	QPSK	1	1	22.68	22.71	22.69	24.2		

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 141300	Power Middle Ch. F Freq. 141500	Power High Ch. F Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	706.5			
Frequency (MHz)									
15	Pl2 BPSK	1	1	17.37	17.39	17.38			
15	Pl2 BPSK	1	40	17.44	17.39	17.41	18.8		
15	Pl2 BPSK	1	77	17.37	17.42	17.34			
15	Pl2 BPSK	36	0	17.35	17.39	17.45	18.8	0.0	
15	Pl2 BPSK	36	22	17.39	17.45	17.38	18.8	0.0	
15	Pl2 BPSK	36	43	17.38	17.37	17.47			
15	Pl2 BPSK	75	0	17.46	17.46	17.41	18.8	0.0	
15	QPSK	1	1	17.35	17.56	17.44			
15	QPSK	1	40	17.38	17.36	17.38	18.8	0.0	
15	QPSK	1	77	17.34	17.39	17.39			
15	QPSK	36	0	17.34	17.39	17.37	18.8	0.0	
15	QPSK	36	22	17.40	17.52	17.40	18.8	0.0	
15	QPSK	36	43	17.34	17.43	17.39			
15	QPSK	75	0	17.41	17.42	17.39	18.8	0.0	
15	16QAM	1	1	17.43	17.46	17.35	18.8	0.0	
15	64QAM	1	1	17.39	17.45	17.41	18.8	0.0	
15	256QAM	1	1	17.37	17.46	17.34	18.8	0.0	
Channel				14000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	17.48	17.49	17.40	18.8	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				707.5	707.5	711.5			
5	QPSK	1	1	17.46	17.51	17.52	18.8	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	Pl2 BPSK	1	1	24.48	24.62	24.51			
20	Pl2 BPSK	1	53	24.41	24.53	24.41	25.9	0.0	
20	Pl2 BPSK	1	104	24.43	24.55	24.42			
20	Pl2 BPSK	50	0	24.05	24.12	24.11	25.4	0.5	
20	Pl2 BPSK	50	28	24.38	24.52	24.41	25.9	0.0	
20	Pl2 BPSK	50	56	24.06	24.16	24.04			
20	Pl2 BPSK	100	0	24.10	24.13	24.05	25.4	0.5	
20	QPSK	1	1	24.52	24.63	24.58			
20	QPSK	1	53	24.45	24.54	24.49	25.9	0.0	
20	QPSK	1	104	24.42	24.56	24.51			
20	QPSK	50	0	24.01	24.10	24.05	25.4	0.5	
20	QPSK	50	28	24.51	24.59	24.50	25.9	0.0	
20	QPSK	50	56	24.14	24.19	24.09			
20	QPSK	100	0	24.09	24.14	24.10	25.4	0.5	
20	16QAM	1	1	23.05	23.78	23.69	24.9	1.0	
20	64QAM	1	1	23.20	23.33	23.20	24.4	1.5	
20	256QAM	1	1	22.71	22.84	22.73	23.9	2.0	
Channel				165300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	1	24.38	24.61	24.45	25.9	0.0	
Channel				163800	166300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				810	831.5	844			
10	QPSK	1	1	24.37	24.61	24.56	25.9	0.0	
Channel				163300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	24.37	24.60	24.55	25.9	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839			
Frequency (MHz)									
20	Pl2 BPSK	1	1	17.26	17.17	17.14			
20	Pl2 BPSK	1	53	17.21	17.14	17.14	18.6	0.0	
20	Pl2 BPSK	1	104	17.26	17.20	17.26			
20	Pl2 BPSK	50	0	17.25	17.16	17.19	18.6	0.0	
20	Pl2 BPSK	50	28	17.20	17.15	17.17	18.6	0.0	
20	Pl2 BPSK	50	56	17.18	17.20	17.27			
20	Pl2 BPSK	100	0	17.20	17.21	17.28	18.6	0.0	
20	QPSK	1	1	17.37	17.38	17.31			
20	QPSK	1	53	17.17	17.25	17.20	18.6	0.0	
20	QPSK	1	104	17.20	17.15	17.26			
20	QPSK	50	0	17.25	17.22	17.21	18.6	0.0	
20	QPSK	50	28	17.30	17.31	17.26	18.6	0.0	
20	QPSK	50	56	17.22	17.16	17.23			
20	QPSK	100	0	17.25	17.29	17.23	18.6	0.0	
20	16QAM	1	1	17.17	17.24	17.28	18.6	0.0	
20	64QAM	1	1	17.19	17.24	17.28	18.6	0.0	
20	256QAM	1	1	17.27	17.19	17.17	18.6	0.0	
Channel				165300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	1	17.24	17.24	17.29	18.6	0.0	
Channel				163800	166300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				810	831.5	844			
10	QPSK	1	1	17.28	17.37	17.27	18.6	0.0	
Channel				163300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	17.28	17.30	17.23	18.6	0.0	

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	24.28	24.41	24.31			
40	Pl2 BPSK	1	108	24.43	24.52	24.42	25.9	0.0	
40	Pl2 BPSK	1	214	24.12	24.16	24.07			
40	Pl2 BPSK	108	0	24.04	24.06	23.96	25.4	0.5	
40	Pl2 BPSK	108	54	24.53	24.56	24.49	25.9	0.0	
40	Pl2 BPSK	108	108	23.92	23.94	23.90			
40	Pl2 BPSK	216	0	23.83	23.96	23.89	25.4	0.5	
40	QPSK	1	1	24.32	24.61	24.51			
40	QPSK	1	108	24.49	24.55	24.50	25.9	0.0	
40	QPSK	1	214	24.16	24.23	24.08			
40	QPSK	108	0	24.01	24.04	23.95	25.4	0.5	
40	QPSK	108	54	24.49	24.58	24.44	25.9	0.0	
40	QPSK	108	108	23.80	23.86	23.72			
40	QPSK	216	0	23.85	23.92	23.80	25.4	0.5	
40	16QAM	1	1	23.97	23.72	23.67	24.9	1.0	
40	64QAM	1	1	23.19	23.23	23.19	24.4	1.5	
40	256QAM	1	1	22.61	22.75	22.72	23.9	2.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.45	24.48	24.47	25.9	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	24.49	24.59	24.42	25.9	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.43	24.53	24.44	25.9	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	24.43	24.46	24.43	25.9	0.0	
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	24.41	24.59	24.37	25.9	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	16.73	16.72	16.53			
40	Pl2 BPSK	1	108	16.65	16.77	16.61	18.2	0.0	
40	Pl2 BPSK	1	214	16.66	16.71	16.54			
40	Pl2 BPSK	108	0	16.65	16.68	16.49	18.2	0.0	
40	Pl2 BPSK	108	54	16.75	16.73	16.49	18.2	0.0	
40	Pl2 BPSK	108	108	16.74	16.68	16.51			
40	Pl2 BPSK	216	0	16.72	16.64	16.48	18.2	0.0	
40	QPSK	1	1	16.77	16.78	16.62			
40	QPSK	1	108	16.71	16.66	16.50	18.2	0.0	
40	QPSK	1	214	16.67	16.63	16.54			
40	QPSK	108	0	16.66	16.65	16.45	18.2	0.0	
40	QPSK	108	54	16.71	16.74	16.50	18.2	0.0	
40	QPSK	108	108	16.65	16.73	16.49			
40	QPSK	216	0	16.66	16.71	16.54	18.2	0.0	
40	16QAM	1	1	16.63	16.76	16.48	18.2	0.0	
40	64QAM	1	1	16.62	16.69	16.56	18.2	0.0	
40	256QAM	1	1	16.66	16.66	16.48	18.2	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	16.62	16.74	16.58	18.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	16.68	16.69	16.61	18.2	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.65	16.70	16.47	18.2	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.72	16.67	16.60	18.2	0.0	
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	16.68	16.75	16.51	18.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	20.93	20.85	20.71			
40	Pl2 BPSK	1	108	20.83	20.87	20.82	22.4	0.0	
40	Pl2 BPSK	1	214	20.80	20.87	20.85			
40	Pl2 BPSK	108	0	20.81	20.76	20.75	22.4	0.0	
40	Pl2 BPSK	108	54	20.81	20.84	20.85	22.4	0.0	
40	Pl2 BPSK	108	108	20.80	20.76	20.82			
40	Pl2 BPSK	216	0	20.86	20.75	20.71	22.4	0.0	
40	QPSK	1	1	20.85	20.94	20.86			
40	QPSK	1	108	20.87	20.78	20.74	22.4	0.0	
40	QPSK	1	214	20.86	20.88	20.73			
40	QPSK	108	0	20.79	20.76	20.84	22.4	0.0	
40	QPSK	108	54	20.81	20.90	20.83	22.4	0.0	
40	QPSK	108	108	20.78	20.74	20.77			
40	QPSK	216	0	20.81	20.86	20.81	22.4	0.0	
40	16QAM	1	1	20.90	20.80	20.73	22.4	0.0	
40	64QAM	1	1	20.86	20.81	20.81	22.4	0.0	
40	256QAM	1	1	20.79	20.88	20.72	22.4	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.80	20.85	20.84	22.4	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.92	20.85	20.72	22.4	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.83	20.75	20.77	22.4	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.79	20.76	20.74	22.4	0.0	
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	20.91	20.82	20.74	22.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	18.9	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	17.79	17.81	17.80		
40	PI2 BPSK	1	108	17.77	17.81	17.53	18.9	0.0
40	PI2 BPSK	1	214	17.74	17.75	17.58		
40	PI2 BPSK	108	0	17.71	17.75	17.63		
40	PI2 BPSK	108	54	17.71	17.81	17.84	18.9	0.0
40	PI2 BPSK	108	108	17.76	17.77	17.54		
40	PI2 BPSK	216	0	17.71	17.81	17.58		
40	QPSK	1	1	17.81	17.84	17.68	18.9	0.0
40	QPSK	1	108	17.77	17.71	17.58		
40	QPSK	1	214	17.76	17.73	17.54		
40	QPSK	108	0	17.76	17.72	17.58	18.9	0.0
40	QPSK	108	54	17.75	17.81	17.61		
40	QPSK	108	108	17.78	17.72	17.62		
40	QPSK	216	0	17.71	17.77	17.54	18.9	0.0
40	16QAM	1	1	17.68	17.69	17.59		
40	64QAM	1	1	17.66	17.69	17.57		
40	256QAM	1	1	17.71	17.82	17.56	18.9	0.0
Channel				348000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	18.9	0.0
30	QPSK	1	1	17.66	17.77	17.56		
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1750	18.9	0.0
20	QPSK	1	1	17.70	17.81	17.59		
Channel				343500	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	18.9	0.0
15	QPSK	1	1	17.74	17.75	17.53		
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	18.9	0.0
10	QPSK	1	1	17.75	17.74	17.66		
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	18.9	0.0
5	QPSK	1	1	17.70	17.71	17.65		

n38_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				518004	518000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	24.48	24.49	24.45	25.9	0.0	
40	Pl2 BPSK	1	53	24.34	24.46	24.42			
40	Pl2 BPSK	1	104	24.21	24.23	24.14			
40	Pl2 BPSK	50	0	23.99	24.00	23.99	25.4	0.5	
40	Pl2 BPSK	50	28	24.34	24.46	24.45	25.9	0.0	
40	Pl2 BPSK	50	56	23.88	23.96	23.88	25.4	0.5	
40	Pl2 BPSK	100	0	23.99	24.04	23.93			
40	QPSK	1	1	23.45	23.57	24.44			
40	QPSK	1	53	24.35	24.40	24.25	25.9	0.0	
40	QPSK	1	104	24.12	24.24	24.09			
40	QPSK	50	0	23.95	24.01	23.98			
40	QPSK	50	28	23.78	24.50	23.43	25.9	0.0	
40	QPSK	50	56	23.90	23.97	23.95			
40	QPSK	100	0	23.94	24.01	24.00	25.4	0.5	
40	16QAM	1	1	23.58	23.60	23.46	24.9	1.0	
40	64QAM	1	1	23.04	23.15	23.13	24.4	1.5	
40	256QAM	1	1	22.72	22.74	22.71	23.9	2.0	
Channel				517002	519000	520998	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	24.33	24.48	24.40	25.9	0.0	
Channel				518000	519000	522000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2601.00	2601	2610.99			
20	QPSK	1	1	24.42	24.51	24.42	25.9	0.0	
Channel				515002	519000	522998	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2677.51	2696	2612.49			
15	QPSK	1	1	24.44	24.48	24.38	25.9	0.0	
Channel				515004	519000	522996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	24.41	24.47	24.30	25.9	0.0	

n38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996	2590.02	2595	2599.98
40	P2 BPSK	1	1	16.41	16.40	16.40	17.5	0.0	
40	P2 BPSK	1	53	16.42	16.49	16.51			
40	P2 BPSK	1	104	16.42	16.43	16.44			
40	P2 BPSK	50	0	16.49	16.51	16.45	17.5	0.0	
40	P2 BPSK	50	28	16.48	16.46	16.44	17.5	0.0	
40	P2 BPSK	50	56	16.46	16.50	16.50	17.5	0.0	
40	P2 BPSK	100	0	16.45	16.42	16.48			
40	QPSK	1	1	16.38	16.38	16.51			
40	QPSK	1	53	16.48	16.45	16.38	17.5	0.0	
40	QPSK	1	104	16.41	16.49	16.43	17.5	0.0	
40	QPSK	50	0	16.43	16.47	16.38			
40	QPSK	50	28	16.47	16.50	16.49			
40	QPSK	50	56	16.40	16.46	16.41	17.5	0.0	
40	QPSK	100	0	16.41	16.45	16.41			
40	16QAM	1	1	16.40	16.51	16.37	17.5	0.0	
40	64QAM	1	1	16.46	16.50	16.41	17.5	0.0	
40	256QAM	1	1	16.38	16.47	16.38	17.5	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.50	16.51	16.40	17.5	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.50	16.53	16.42	17.5	0.0	
Channel									
Frequency (MHz)				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2577.51	2595	2612.49	17.5	0.0	
Channel									
Frequency (MHz)				514004	517000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2575.02	2595	2614.98	17.5	0.0	
10	QPSK	1	1	16.53	16.44	16.40	17.5	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)				518002	519000	519996	2590.02	2595	2599.98
40	Pl2 BPSK	1	1	15.50	15.48	15.52	17.0	0.0	
40	Pl2 BPSK	1	53	15.45	15.53	15.42			
40	Pl2 BPSK	1	104	15.51	15.46	15.45			
40	Pl2 BPSK	50	0	15.54	15.43	15.54	17.0	0.0	
40	Pl2 BPSK	50	28	15.53	15.45	15.44	17.0	0.0	
40	Pl2 BPSK	50	56	15.45	15.47	15.46	17.0	0.0	
40	Pl2 BPSK	100	0	15.54	15.46	15.41			
40	QPSK	1	1	15.38	15.42	15.37			
40	QPSK	1	53	15.44	15.47	15.42	17.0	0.0	
40	QPSK	1	104	15.53	15.43	15.41	17.0	0.0	
40	QPSK	50	0	15.49	15.49	15.45			
40	QPSK	50	28	15.71	15.60	15.73			
40	QPSK	50	56	15.42	15.49	15.46	17.0	0.0	
40	QPSK	100	0	15.49	15.51	15.40			
40	16QAM	1	1	15.54	15.40	15.45	17.0	0.0	
40	64QAM	1	1	15.45	15.43	15.44	17.0	0.0	
40	256QAM	1	1	15.51	15.43	15.48	17.0	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.54	15.60	15.49	17.0	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.50	15.58	15.54	17.0	0.0	
Channel									
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.57	15.54	15.44	17.0	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.47	15.51	15.52	17.0	0.0	

n38_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)				2590.02	2590	2593.98			
40	PQ2 BPSK	1	1	17.01	17.02	17.09			
40	PQ2 BPSK	1	53	16.91	16.93	17.02	18.5	0.0	0.0
40	PQ2 BPSK	1	104	16.91	17.03	17.12			
40	PQ2 BPSK	50	0	17.00	17.05	17.06	18.5	0.0	0.0
40	PQ2 BPSK	50	28	17.00	17.04	17.03	18.5	0.0	0.0
40	PQ2 BPSK	50	56	16.91	17.04	17.09	18.5	0.0	0.0
40	PQ2 BPSK	100	0	16.93	17.04	17.10			
40	QPSK	1	1	17.06	17.17	17.00			
40	QPSK	1	53	16.94	17.02	17.03	18.5	0.0	0.0
40	QPSK	1	104	17.02	16.98	17.01			
40	QPSK	50	0	16.97	17.05	16.98			
40	QPSK	50	28	17.04	17.12	17.10	18.5	0.0	0.0
40	QPSK	50	56	17.03	16.99	17.07			
40	QPSK	100	0	16.97	17.11	17.10	18.5	0.0	0.0
40	16QAM	1	1	17.05	17.00	17.12	18.5	0.0	0.0
40	64QAM	1	1	17.00	16.95	17.06	18.5	0.0	0.0
40	256QAM	1	1	17.00	16.93	17.06	18.5	0.0	0.0
Channel				517002	516000	509798	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2590	2604.99			
30	QPSK	1	1	17.04	17.05	17.15	18.5	0.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2610	16.90	17.05			
20	QPSK	1	1	16.90	16.90	17.05	18.5	0.0	0.0
Channel				515052	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.51	2590	2612.49			
15	QPSK	1	1	16.92	16.94	17.07	18.5	0.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.52	2590	2614.98			
10	QPSK	1	1	17.05	17.03	17.11	18.5	0.0	0.0

FCC_n41_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	PQ2 BPSK	1	1	21.73	21.91	21.85			
100	PQ2 BPSK	1	137	21.73	21.86	21.78	23.2	0.0	
100	PQ2 BPSK	1	271	21.66	21.72	21.62			
100	PQ2 BPSK	135	0	21.73	21.81	21.76	23.2	0.0	
100	PQ2 BPSK	135	69	21.73	21.86	21.72	23.2	0.0	
100	PQ2 BPSK	135	138	21.83	21.84	21.81	23.2	0.0	
100	PQ2 BPSK	270	0	21.83	21.86	21.85			
100	QPSK	1	1	21.80	21.82	21.84			
100	QPSK	1	137	21.78	21.85	21.70	23.2	0.0	
100	QPSK	1	271	21.60	21.71	21.67			
100	QPSK	135	0	21.78	21.82	21.73	23.2	0.0	
100	QPSK	135	69	21.81	21.85	21.80			
100	QPSK	135	138	21.76	21.86	21.84			
100	QPSK	270	0	21.78	21.84	21.77	23.2	0.0	
100	16QAM	1	1	21.67	21.77	21.75	23.2	0.0	
100	64QAM	1	1	21.75	21.79	21.65	23.2	0.0	
100	256QAM	1	1	21.31	21.36	21.35	22.7	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.75	21.81	21.69	23.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.76	21.91	21.77	23.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.66	21.85	21.74	23.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.76	21.79	21.77	23.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.73	21.81	21.79	23.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.65	21.88	21.71	23.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.68	21.79	21.72	23.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.65	21.50	21.75	23.2	0.0	

FCC_n41(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	PQ2 BPSK	1	1	24.71	24.76	24.70			
100	PQ2 BPSK	1	137	24.73	24.83	24.71	26.2	0.0	
100	PQ2 BPSK	1	271	24.80	24.86	24.72			
100	PQ2 BPSK	135	0	24.30	24.36	24.27	25.7	0.5	
100	PQ2 BPSK	135	69	24.70	24.71	24.63	26.2	0.0	
100	PQ2 BPSK	135	138	24.28	24.37	24.27	25.7	0.5	
100	PQ2 BPSK	270	0	24.22	24.28	24.13			
100	QPSK	1	1	24.33	24.32	24.36			
100	QPSK	1	137	24.69	24.74	24.65	26.2	0.0	
100	QPSK	1	271	24.76	24.84	24.75			
100	QPSK	135	0	24.33	24.45	24.31			
100	QPSK	135	69	24.71	24.67	24.61	26.2	0.0	
100	QPSK	135	138	24.37	24.40	24.27			
100	QPSK	270	0	24.33	24.36	24.35	25.7	0.5	
100	16QAM	1	1	24.33	24.39	24.28	25.7	0.5	
100	64QAM	1	1	23.66	23.79	23.65	25.2	1.0	
100	256QAM	1	1	23.48	23.60	23.51	24.2	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.41	24.59	24.49	24.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.90	24.94	24.86	26.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.90	24.99	24.92	26.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.88	24.94	24.86	26.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.82	25.00	24.92	26.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.87	25.01	24.86	26.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.85	25.01	24.95	26.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.51	25.00	24.88	26.2	0.0	

FCC_n41_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.03	12.89	13.02	13.9	0.0	
100	Pl2 BPSK	1	137	12.90	13.06	12.96			
100	Pl2 BPSK	1	271	13.01	13.04	12.95			
100	Pl2 BPSK	135	0	13.02	12.99	12.87	13.9	0.0	
100	Pl2 BPSK	135	69	12.86	12.91	13.04	13.9	0.0	
100	Pl2 BPSK	135	138	12.91	13.05	12.90	13.9	0.0	
100	Pl2 BPSK	270	0	12.96	12.97	13.02	13.9	0.0	
100	QPSK	1	1	13.08	13.13	13.07			
100	QPSK	1	137	12.88	12.97	12.88			
100	QPSK	1	271	13.07	13.01	12.88	13.9	0.0	
100	QPSK	135	0	12.95	12.97	12.91	13.9	0.0	
100	QPSK	135	69	12.86	13.03	12.97			
100	QPSK	135	138	12.97	12.95	12.92			
100	QPSK	270	0	12.94	12.98	12.89	13.9	0.0	
100	16QAM	1	1	12.95	13.02	12.89	13.9	0.0	
100	16QAM	1	1	13.01	12.98	12.86	13.9	0.0	
100	256QAM	1	1	12.90	12.97	12.93	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.99	13.02	13.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.97	13.06	13.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.97	13.09	12.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.96	13.12	12.95	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.97	13.09	13.04	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.00	13.03	13.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.98	13.04	13.04	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.03	13.11	13.00	Tune-up limit (dBm)	MPR (dB)	

FCC_n41(HPUe)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB2 BPSK	1	1	13.03	12.89	13.02		13.9	0.0
100	PB2 BPSK	1	137	12.90	13.06	12.96			
100	PB2 BPSK	1	271	13.01	13.04	12.95			
100	PB2 BPSK	135	0	13.02	12.99	12.87		13.9	0.0
100	PB2 BPSK	135	69	12.86	12.91	13.04		13.9	0.0
100	PB2 BPSK	135	138	12.91	13.05	12.90		13.9	0.0
100	PB2 BPSK	270	0	12.96	12.97	13.02		13.9	0.0
100	QPSK	1	1	13.08	13.13	13.07			
100	QPSK	1	137	12.88	12.97	12.88			
100	QPSK	1	271	13.07	13.01	12.88		13.9	0.0
100	QPSK	135	0	12.95	12.97	12.91			
100	QPSK	135	69	12.86	13.03	12.97			
100	QPSK	135	138	12.97	12.95	12.92		13.9	0.0
100	QPSK	270	0	12.94	12.98	12.89			
100	16QAM	1	1	12.95	13.02	12.89			
100	16QAM	1	1	13.01	12.98	12.86		13.9	0.0
100	256QAM	1	1	12.90	12.97	12.93			
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.99	13.02	13.00		13.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.97	13.06	13.01		13.9	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.97	13.09	12.99		13.9	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.96	13.12	12.95		13.9	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.97	13.09	13.04		13.9	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.00	13.03	13.01		13.9	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.98	13.04	13.04		13.9	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.03	13.11	13.00		13.9	0.0

FCC_n41_Ant 11									
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	Pl2 BPSK	1	1	506022	518698	526800	2642.98	11.6	0.0
100	Pl2 BPSK	1	137	10.40	10.33	10.35			
100	Pl2 BPSK	1	271	10.29	10.32	10.39	10.30		
100	Pl2 BPSK	135	0	10.41	10.31	10.27		11.6	0.5
100	Pl2 BPSK	135	69	10.30	10.32	10.35	10.35	11.6	0.0
100	Pl2 BPSK	135	138	10.49	10.33	10.40		11.1	0.5
100	Pl2 BPSK	270	0	10.40	10.39	10.24		11.6	0.0
100	QPSK	1	1	506022	518698	526800	2642.98		
100	QPSK	1	137	10.30	10.39	10.29			
100	QPSK	1	271	10.34	10.28	10.35		11.6	0.0
100	QPSK	135	0	10.24	10.41	10.26			
100	QPSK	135	69	10.31	10.44	10.31			
100	QPSK	135	138	10.27	10.39	10.32		11.6	0.0
100	QPSK	270	0	10.32	10.37	10.32	11.6		
100	16QAM	1	1	10.35	10.44	10.34	11.6		
100	16QAM	1	1	10.32	10.41	10.40	11.6	11.6	0.0
100	256QAM	1	1	10.36	10.32	10.35	11.6		
Channel									
Frequency (MHz)									
90	QPSK	1	1	506020	518698	526806	2649.98	11.6	0.0
90	QPSK	1	1	10.27	10.42	10.33			
90	QPSK	1	137	10.41	10.41	10.31	11.6		
Channel									
Frequency (MHz)									
80	QPSK	1	1	505124	518698	526998	2649.98	11.6	0.0
80	QPSK	1	1	10.30	10.41	10.31			
80	QPSK	1	137	10.31	10.39	10.30	11.6		
Channel									
Frequency (MHz)									
70	QPSK	1	1	505200	518698	531996	2654.98	11.6	0.0
70	QPSK	1	1	2658	2659	2659			
70	QPSK	1	1	10.32	10.39	10.30	11.6		
Channel									
Frequency (MHz)									
60	QPSK	1	1	506024	518698	532998	2649.98	11.6	0.0
60	QPSK	1	1	2658 (10)	2659 (9)	2659 (9)			
60	QPSK	1	1	10.29	10.38	10.32	11.6		
Channel									
Frequency (MHz)									
50	QPSK	1	1	505022	518698	534000	2649.98	11.6	0.0
50	QPSK	1	1	2516	2517	2670			
50	QPSK	1	1	10.33	10.42	10.30	11.6		
Channel									
Frequency (MHz)									
40	QPSK	1	1	505220	518698	534996	2649.98	11.6	0.0
40	QPSK	1	1	2511	2662	2674.98			
40	QPSK	1	1	10.38	10.49	10.38	11.6		
Channel									
Frequency (MHz)									
30	QPSK	1	1	507268	518698	535998	2679.98	11.6	0.0
30	QPSK	1	1	2658 (56)	2659 (59)	2679.98			
30	QPSK	1	1	10.38	10.43	10.31	11.6		
25	QPSK	1	1	10.38	10.43	10.31	11.6	11.6	0.0
25	QPSK	1	1	10.38	10.43	10.31	11.6		



FCC_n41(HPUE)_Ant 11										
BW (MHz)	Modulation	RB 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	506020	518998	528998				
100	PQ2 BPSK	1	1	25401	2592.99	2644.99				
100	PQ2 BPSK	1	137	10.32	10.39	10.30	11.6	0.0		
100	PQ2 BPSK	1	271	10.29	10.25	10.41				
100	PQ2 BPSK	135	0	10.41	10.31	10.27	11.6	0.0		
100	PQ2 BPSK	135	69	10.30	10.32	10.35	11.6	0.0		
100	PQ2 BPSK	135	138	10.49	10.33	10.40				
100	PQ2 BPSK	270	0	10.40	10.39	10.24	11.6	0.0		
100	QPSK	1	1	504000	518998	529000				
100	QPSK	1	137	10.30	10.39	10.29	11.6	0.0		
100	QPSK	1	271	10.34	10.28	10.35				
100	QPSK	135	0	10.24	10.41	10.26				
100	QPSK	135	69	10.31	10.34	10.37	11.6	0.0		
100	QPSK	135	138	10.27	10.39	10.32				
100	QPSK	270	0	10.32	10.37	10.32	11.6	0.0		
100	16QAM	1	1	10.39	10.44	10.34	11.6	0.0		
100	16QAM	1	1	10.32	10.41	10.46	11.6	0.0		
100	256QAM	1	1	10.38	10.32	10.35	11.6	0.0		
Channel										
80	QPSK	1	1	506200	518998	528998	Tune-up limit (dBm)	MPR		
80	QPSK	1	1	2541	2592.99	2644.98	(dBm)	(dB)		
Channel										
80	QPSK	1	1	507204	518998	529998	Tune-up limit (dBm)	MPR		
80	QPSK	1	1	2536.02	2592.99	2649.99	(dBm)	(dB)		
Channel										
70	QPSK	1	1	10.32	10.39	10.30	11.6	0.0		
Channel										
60	QPSK	1	1	505200	518998	531998	Tune-up limit (dBm)	MPR		
60	QPSK	1	1	2531.01	2592.99	2655	(dBm)	(dB)		
Channel										
50	QPSK	1	1	504204	518998	532998	Tune-up limit (dBm)	MPR		
50	QPSK	1	1	2521.02	2592.99	2654.98	(dBm)	(dB)		
Channel										
40	QPSK	1	1	502200	518998	534000	Tune-up limit (dBm)	MPR		
40	QPSK	1	1	2516.01	2592.99	2670	(dBm)	(dB)		
Channel										
30	QPSK	1	1	10.38	10.49	10.38	11.6	0.0		
Channel										
20	QPSK	1	1	501204	518998	535998	Tune-up limit (dBm)	MPR		
20	QPSK	1	1	2508.02	2592.99	2679.99	(dBm)	(dB)		
20	QPSK	1	1	10.38	10.43	10.31	11.6	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	Pl2 BPSK	1	1	14.02	13.96	13.95				
100	Pl2 BPSK	1	137	14.06	14.02	13.94	15.4	0.0		
100	Pl2 BPSK	1	271	13.94	13.92	13.98				
100	Pl2 BPSK	135	0	13.98	13.92	13.99	15.4	0.0		
100	Pl2 BPSK	135	69	14.04	13.92	13.99	15.4	0.0		
100	Pl2 BPSK	135	138	13.98	13.96	14.05				
100	Pl2 BPSK	270	0	14.02	13.98	14.06				
100	QPSK	1	1	14.11	14.15	14.05				
100	QPSK	1	137	14.04	14.05	13.94	15.4	0.0		
100	QPSK	1	271	13.92	14.03	14.03				
100	QPSK	135	0	13.95	14.02	14.00				
100	QPSK	135	69	14.04	14.10	14.05	15.4	0.0		
100	QPSK	135	138	13.94	14.02	13.99				
100	QPSK	270	0	13.96	14.06	13.96	15.4	0.0		
100	16QAM	1	1	13.96	14.02	14.06	15.4	0.0		
100	16QAM	1	1	13.96	14.01	13.97	15.4	0.0		
100	256QAM	1	1	13.98	13.93	13.99	15.4	0.0		
Channel										
				506200	518998	528998	Tune-up limit (dBm)	MPR		
80	QPSK	1	1	2541	2592.99	2644.98	(dBm)	(dB)		
Channel										
				507204	518998	529998	Tune-up limit (dBm)	MPR		
80	QPSK	1	1	2536.02	2592.99	2649.99	(dBm)	(dB)		
Channel										
				505200	518998	531998	Tune-up limit (dBm)	MPR		
70	QPSK	1	1	2531.01	2592.99	2655	(dBm)	(dB)		
Channel										
				504204	518998	532998	Tune-up limit (dBm)	MPR		
60	QPSK	1	1	2521.02	2592.99	2654.98	(dBm)	(dB)		
Channel										
				502200	518998	534000	Tune-up limit (dBm)	MPR		
50	QPSK	1	1	2516.01	2592.99	2670	(dBm)	(dB)		
Channel										
				500200	518998	535998	Tune-up limit (dBm)	MPR		
40	QPSK	1	1	2511	2592.99	2674.98	(dBm)	(dB)		
Channel										
				501204	518998	535998	Tune-up limit (dBm)	MPR		
30	QPSK	1	1	2508.02	2592.99	2679.99	(dBm)	(dB)		
Channel										
				500200	518998	535998	Tune-up limit (dBm)	MPR		
20	QPSK	1	1	13.98	14.14	13.94	15.4	0.0		

FCC_n41(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 (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1	14.02	13.96	13.95				
100	Pl2 BPSK	1	137	14.06	14.02	13.94	15.4	0.0		
100	Pl2 BPSK	1	271	13.94	13.92	13.98				
100	Pl2 BPSK	135	0	13.98	13.92	13.99	15.4	0.0		
100	Pl2 BPSK	135	69	14.04	13.92	13.99	15.4	0.0		
100	Pl2 BPSK	135	138	13.98	13.96	14.05				
100	Pl2 BPSK	270	0	14.02	13.98	14.06				
100	QPSK	1	1	14.11	14.15	14.05				
100	QPSK	1	137	14.04	14.05	13.94	15.4	0.0		
100	QPSK	1	271	13.92	14.03	14.03				
100	QPSK	135	0	13.95	14.02	14.00				
100	QPSK	135	69	14.04	14.10	14.05	15.4	0.0		
100	QPSK	135	138	13.94	14.02	13.99				
100	QPSK	270	0	13.96	14.06	13.96	15.4	0.0		
100	16QAM	1	1	13.96	14.02	14.05	15.4	0.0		
100	16QAM	1	137	13.99	14.01	13.97	15.4	0.0		
100	256QAM	1	1	13.98	13.93	13.99	15.4	0.0		
Channel										
Frequency (MHz)				508200	518998	528898	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.10	14.10	13.98	15.4	0.0		
Channel										
Frequency (MHz)				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	2536.02	2592.99	2649.99	15.4	0.0		
Channel										
Frequency (MHz)				14.04	14.01	14.04	15.4	0.0		
80	QPSK	1	1	2531.01	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				508200	518998	531996	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	13.96	14.03	14.01	15.4	0.0		
Channel										
Frequency (MHz)				507208	2592.99	2658.99	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	14.01	14.07	13.97	15.4	0.0		
Channel										
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	2532.02	2592.99	2654.99	15.4	0.0		
Channel										
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	2516.01	2592.99	2670	15.4	0.0		
Channel										
Frequency (MHz)				14.00	14.07	14.06	15.4	0.0		
30	QPSK	1	1	2532.02	518998	539998	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				14.03	14.01	14.08	15.4	0.0		
Channel										
Frequency (MHz)				507204	518998	530998	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	14.08	14.14	13.94	15.4	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			3499.98		
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	10.75			12.0		
100	Pl2 BPSK	1	137	10.69					
100	Pl2 BPSK	1	271	10.78					
100	Pl2 BPSK	135	0	10.73			12.0	0.0	
100	Pl2 BPSK	135	69	10.74			12.0	0.0	
100	Pl2 BPSK	135	138	10.77			12.0		
100	Pl2 BPSK	270	0	10.79					
100	QPSK	1	1	10.81					
100	QPSK	1	137	10.68			12.0	0.0	
100	QPSK	1	271	10.77			12.0		
100	QPSK	135	0	10.69					
100	QPSK	135	69	10.76					
100	QPSK	135	138	10.69			12.0	0.0	
100	QPSK	270	0	10.70					
100	16QAM	1	1	10.75				12.0	
100	64QAM	1	1	10.68			12.0	0.0	
100	256QAM	1	1	10.72			12.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
80	QPSK	1	1	10.59	10.73	10.80	12.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510.98	(dB)		
80	QPSK	1	1	10.80	10.80	10.69	12.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	10.77	10.71	10.80	12.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dB)		
60	QPSK	1	1	10.78	10.71	10.68	12.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dB)		
50	QPSK	1	1	10.79	10.78	10.79	12.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	1	10.73	10.74	10.77	12.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	1	10.78	10.68	10.80	12.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dB)		
20	QPSK	1	1	10.77	10.68	10.77	12.0	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				650000	650000	650000	3840		
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	10.51	10.54	10.45	12.0		
100	Pl2 BPSK	1	137	10.34	10.46	10.36			
100	Pl2 BPSK	1	271	10.55	10.58	10.49			
100	Pl2 BPSK	135	0	10.43	10.55	10.51	12.0	0.0	
100	Pl2 BPSK	135	69	10.51	10.62	10.60	12.0		
100	Pl2 BPSK	135	138	10.50	10.61	10.56			
100	Pl2 BPSK	270	0	10.59	10.63	10.52			
100	QPSK	1	1	10.52	10.64	10.55	12.0		
100	QPSK	1	137	10.49	10.52	10.46			
100	QPSK	1	271	10.36	10.50	10.36			
100	QPSK	135	0	10.49	10.58	10.50	12.0		
100	QPSK	135	69	10.51	10.60	10.52			
100	QPSK	135	138	10.46	10.47	10.39			
100	QPSK	270	0	10.34	10.48	10.48	12.0	0.0	
100	16QAM	1	1	10.53	10.63	10.54	12.0	0.0	
100	64QAM	1	1	10.35	10.44	10.35	12.0	0.0	
100	256QAM	1	1	10.32	10.47	10.32	12.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3747.02	3750	3753.98	(dB)		
90	QPSK	1	1	10.58	10.59	10.51	12.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.98	(dB)		
80	QPSK	1	1	10.47	10.57	10.55	12.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dB)		
70	QPSK	1	1	10.51	10.61	10.47	12.0	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3728.02	3840	3948.98	(dB)		
60	QPSK	1	1	10.59	10.50	10.44	12.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dB)		
50	QPSK	1	1	10.49	10.49	10.52	12.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dB)		
40	QPSK	1	1	10.51	10.50	10.43	12.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dB)		
30	QPSK	1	1	10.54	10.49	10.57	12.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.98	(dB)		
20	QPSK	1	1	10.45	10.58	10.57	12.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dB)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	14.77			15.9		
100	Pl2 BPSK	1	137	14.81					
100	Pl2 BPSK	1	271	14.80					
100	Pl2 BPSK	135	0	14.81			15.9	0.0	
100	Pl2 BPSK	135	69	14.84			15.9		
100	Pl2 BPSK	135	138	14.81					
100	Pl2 BPSK	270	0	14.88					
100	QPSK	1	1	14.80			15.9		
100	QPSK	1	137	14.70					
100	QPSK	1	271	14.87					
100	QPSK	135	0	14.83			15.9		
100	QPSK	135	69	14.85					
100	QPSK	135	138	14.78					
100	QPSK	270	0	14.76			15.9	0.0	
100	16QAM	1	1	14.82			15.9	0.0	
100	64QAM	1	1	14.68			15.9	0.0	
100	256QAM	1	1	14.85			15.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
90	QPSK	1	1	14.68	14.83	14.83	15.9	0.0	
Channel				632668	633332	634000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3503.90	(dB)		
80	QPSK	1	1	14.76	14.78	14.81	15.9	0.0	
Channel				632334	633332	634332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	14.87	14.87	14.85	15.9	0.0	
Channel				632000	633332	634666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	14.87	14.89	14.83	15.9	0.0	
Channel				631668	633332	635000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3479.02	3499.98	3520.98	(dB)		
50	QPSK	1	1	14.84	14.78	14.80	15.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	1	14.79	14.84	14.77	15.9	0.0	
Channel				631000	633332	635666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	1	14.84	14.76	14.78	15.9	0.0	
Channel				630668	633332	636000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3460.00	3499.98	3540.98	(dB)		
20	QPSK	1	1	14.78	14.87	14.78	15.9	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	650000	660000	3750	3840	3930
100	Pl2 BPSK	1	1	15.01	15.05	15.06			
100	Pl2 BPSK	1	137	15.01	15.07	15.05	15.9	0.0	
100	Pl2 BPSK	1	271	14.99	15.07	15.04			
100	Pl2 BPSK	135	0	15.04	15.04	15.03			
100	Pl2 BPSK	135	69	15.03	15.05	15.03			
100	Pl2 BPSK	135	138	15.06	15.01	15.01	15.9	0.0	
100	Pl2 BPSK	270	0	15.06	15.06	15.06			
100	QPSK	1	1	15.05	15.08	15.01			
100	QPSK	1	137	14.92	14.99	14.98	15.9	0.0	
100	QPSK	1	271	14.94	15.07	14.94			
100	QPSK	135	0	14.91	15.01	14.89			
100	QPSK	135	69	15.01	15.02	15.01	15.9	0.0	
100	QPSK	135	138	14.89	14.94	14.93			
100	QPSK	270	0	14.90	14.99	14.92	15.9	0.0	
100	16QAM	1	1	15.03	15.06	15.05	15.9	0.0	
100	64QAM	1	1	14.93	14.93	14.82	15.9	0.0	
100	256QAM	1	1	14.88	15.03	15.00	15.9	0.0	
Channel									
Frequency (MHz)				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	14.98	14.94	14.85	15.9	0.0	
Channel									
Frequency (MHz)				648334	650000	662666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	14.98	14.98	14.94	15.9	0.0	
Channel									
Frequency (MHz)				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	14.94	15.02	14.93	15.9	0.0	
Channel									
Frequency (MHz)				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	15.04	15.03	14.94	15.9	0.0	
Channel									
Frequency (MHz)				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	15.00	14.95	14.85	15.9	0.0	
Channel									
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	14.92	15.02	14.94	15.9	0.0	
Channel									
Frequency (MHz)				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	14.95	14.94	14.91	15.9	0.0	
Channel									
Frequency (MHz)				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.00	14.98	14.88	15.9	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				639000	633332	346998			
100	Pl2 BPSK	1	1		15.48				
100	Pl2 BPSK	1	137		15.55		17.2	0.0	
100	Pl2 BPSK	1	271		15.55				
100	Pl2 BPSK	135	0		15.54		17.2	0.0	
100	Pl2 BPSK	135	69		15.49		17.2	0.0	
100	Pl2 BPSK	135	138		15.55		17.2	0.0	
100	Pl2 BPSK	270	0		15.45				
100	QPSK	1	1		15.70				
100	QPSK	1	137		15.53		17.2	0.0	
100	QPSK	1	271		15.67				
100	QPSK	135	0		15.60		17.2	0.0	
100	QPSK	135	69		15.65				
100	QPSK	135	138		15.59				
100	QPSK	270	0		15.61		17.2	0.0	
100	16QAM	1	1		15.27		17.2	0.0	
100	64QAM	1	1		15.47		17.2	0.0	
100	256QAM	1	1		15.63		17.2	0.0	
Channel									
Frequency (MHz)				639000	633332	633666	Tune-up limit (dBm)	MPR	(dB)
90	QPSK	1	1		15.49	15.49	15.49	17.2	0.0
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1		15.60	15.55	15.63	17.2	0.0
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	(dB)
70	QPSK	1	1		15.64	15.57	15.65	17.2	0.0
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1		15.55	15.55	15.66	17.2	0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1		15.56	15.64	15.56	17.2	0.0
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1		15.61	15.55	15.65	17.2	0.0
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	(dB)
30	QPSK	1	1		15.60	15.67	15.62	17.2	0.0
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR	(dB)
20	QPSK	1	1		15.55	15.58	15.68	17.2	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				650000	650000	662000	3750	3840	3930
Frequency (MHz)				650000	650000	662000			
100	Pl2 BPSK	1	1	15.82	15.73	15.77			
100	Pl2 BPSK	1	137	15.85	15.80	15.82		17.2	0.0
100	Pl2 BPSK	1	271	15.80	15.83	15.83			
100	Pl2 BPSK	135	0	15.91	15.85	15.80		17.2	0.0
100	Pl2 BPSK	135	69	15.81	15.83	15.83		17.2	0.0
100	Pl2 BPSK	135	138	15.87	15.80	15.88		17.2	0.0
100	Pl2 BPSK	270	0	15.83	15.76	15.76			
100	QPSK	1	1	15.84	15.86	15.83			
100	QPSK	1	137	15.87	15.88	15.91		17.2	0.0
100	QPSK	1	271	15.92	16.01	15.97			
100	QPSK	135	0	15.92	15.92	15.88			
100	QPSK	135	69	15.95	16.01	15.91		17.2	0.0
100	QPSK	135	138	15.98	15.90	15.88			
100	QPSK	270	0	15.89	15.93	15.90		17.2	0.0
100	16QAM	1	1	15.80	15.83	15.83		17.2	0.0
100	64QAM	1	1	15.77	15.72	15.73		17.2	0.0
100	256QAM	1	1	15.93	15.96	15.93		17.2	0.0
Channel				649668	650000	662332		Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	15.98	15.93	15.96		17.2	0.0
Channel				648334	650000	662666		Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	15.95	16.04	15.98		17.2	0.0
Channel				648000	650000	663000		Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.94	15.99	15.90		17.2	0.0
Channel				648668	650000	663332		Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	15.96	16.05	15.96		17.2	0.0
Channel				648334	650000	663666		Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.96	15.92	15.90		17.2	0.0
Channel				648000	650000	664000		Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.96	16.00	15.96		17.2	0.0
Channel				647668	650000	664332		Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	15.92	15.96	15.90		17.2	0.0
Channel				647334	650000	664666		Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.97	16.05	15.95		17.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			15.0	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	13.44			15.0	0.0	
100	Pl2 BPSK	1	137	13.31					
100	Pl2 BPSK	1	271	13.42					
100	Pl2 BPSK	135	0	13.48			15.0	0.0	
100	Pl2 BPSK	135	69	13.37			15.0	0.0	
100	Pl2 BPSK	135	138	13.43			15.0	0.0	
100	Pl2 BPSK	270	0	13.49					
100	QPSK	1	1	13.50					
100	QPSK	1	137	13.41			15.0	0.0	
100	QPSK	1	271	13.55			15.0	0.0	
100	QPSK	135	0	13.50					
100	QPSK	135	69	13.50					
100	QPSK	135	138	13.41			15.0	0.0	
100	QPSK	270	0	13.43					
100	16QAM	1	1	13.36					
100	64QAM	1	1	13.21			15.0	0.0	
100	256QAM	1	1	13.26			15.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
80	QPSK	1	1	13.53	13.51	13.45	15.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3503.90	(dB)		
80	QPSK	1	1	13.45	13.45	13.46	15.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	13.49	13.52	13.53	15.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dB)		
60	QPSK	1	1	13.57	13.48	13.45	15.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525.98	(dB)		
50	QPSK	1	1	13.54	13.49	13.53	15.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	1	13.52	13.46	13.56	15.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	1	13.49	13.57	13.58	15.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dB)		
20	QPSK	1	1	13.55	13.52	13.50	15.0	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				650000			15.0	0.0	
Frequency (MHz)				3740					
100	Pl2 BPSK	1	1	13.70	13.71	13.55	15.0	0.0	
100	Pl2 BPSK	1	137	13.47	13.61	13.64			
100	Pl2 BPSK	1	271	13.45	13.51	13.48			
100	Pl2 BPSK	135	0	13.52	13.61	13.59	15.0	0.0	
100	Pl2 BPSK	135	69	13.76	13.74	13.54	15.0	0.0	
100	Pl2 BPSK	135	138	13.46	13.55	13.51	15.0	0.0	
100	Pl2 BPSK	270	0	13.58	13.68	13.67			
100	QPSK	1	1	13.74	13.76	13.71			
100	QPSK	1	137	13.66	13.76	13.66	15.0	0.0	
100	QPSK	1	271	13.70	13.72	13.64	15.0	0.0	
100	QPSK	135	0	13.65	13.58	13.51			
100	QPSK	135	69	13.76	13.71	13.68			
100	QPSK	135	138	13.59	13.68	13.60	15.0	0.0	
100	QPSK	270	0	13.20	13.63	13.62	15.0	0.0	
100	16QAM	1	1	13.42	13.53	13.44	15.0	0.0	
100	64QAM	1	1	13.45	13.44	13.39	15.0	0.0	
100	256QAM	1	1	13.29	13.43	13.40	15.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3742.02	3740	3741.98	(dB)		
90	QPSK	1	1	13.63	13.72	13.63	15.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3740	3740.98	(dB)		
80	QPSK	1	1	13.64	13.70	13.56	15.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dB)		
70	QPSK	1	1	13.60	13.73	13.60	15.0	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3732.02	3840	3945.98	(dB)		
60	QPSK	1	1	13.69	13.70	13.56	15.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.98	(dB)		
50	QPSK	1	1	13.65	13.74	13.67	15.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dB)		
40	QPSK	1	1	13.65	13.77	13.69	15.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	(dB)		
30	QPSK	1	1	13.73	13.64	13.63	15.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.98	(dB)		
20	QPSK	1	1	13.68	13.75	13.60	15.0	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				633332			14.5		
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	13.35			14.5	0.0	
100	Pl2 BPSK	1	137	13.36					
100	Pl2 BPSK	1	271	13.42					
100	Pl2 BPSK	135	0	13.45			14.5	0.0	
100	Pl2 BPSK	135	69	13.48			14.5	0.0	
100	Pl2 BPSK	135	138	13.49			14.5	0.0	
100	Pl2 BPSK	270	0	13.49					
100	QPSK	1	1	13.51					
100	QPSK	1	137	13.49			14.5	0.0	
100	QPSK	1	271	13.47			14.5	0.0	
100	QPSK	135	0	13.41					
100	QPSK	135	69	13.46					
100	QPSK	135	138	13.45			14.5	0.0	
100	QPSK	270	0	13.42					
100	16QAM	1	1	13.28				0.0	
100	64QAM	1	1	13.34			14.5	0.0	
100	256QAM	1	1	13.46			14.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	13.40	13.50	13.40	14.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	13.37	13.44	13.44	14.5	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	13.46	13.43	13.47	14.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	13.46	13.45	13.47	14.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	13.41	13.37	13.41	14.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	13.44	13.40	13.33	14.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	13.42	13.39	13.47	14.5	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
25	QPSK	1	1	13.49	13.48	13.37	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)									
100	Pl2 BPSK	1	1		13.23			14.5	0.0
100	Pl2 BPSK	1	137		13.30				
100	Pl2 BPSK	1	271		13.25				
100	Pl2 BPSK	135	0		13.31			14.5	0.0
100	Pl2 BPSK	135	69		13.30			14.5	0.0
100	Pl2 BPSK	135	138		13.37				
100	Pl2 BPSK	270	0		13.39			14.5	0.0
100	QPSK	1	1		13.40				
100	QPSK	1	137		13.35			14.5	0.0
100	QPSK	1	271		13.33				
100	QPSK	135	0		13.33				
100	QPSK	135	69		13.36			14.5	0.0
100	QPSK	135	138		13.27				
100	QPSK	270	0		13.35			14.5	0.0
100	16QAM	1	1		13.04			14.5	0.0
100	64QAM	1	1		13.16			14.5	0.0
100	256QAM	1	1		13.38			14.5	0.0
Channel									
Frequency (MHz)									
				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3745.62	3750	3754.98	14.5	0.0	
Channel									
Frequency (MHz)									
				650334	6505000	6505066	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3750	3759.99	14.5	0.0	
Channel									
Frequency (MHz)									
				6505068	6505000	6505032	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	13.29	13.34	13.33	14.5	0.0	
Channel									
Frequency (MHz)									
				6505034	6505000	6505032	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	13.35	13.36	13.27	14.5	0.0	
Channel									
Frequency (MHz)									
				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	13.34	13.34	13.34	14.5	0.0	
Channel									
Frequency (MHz)									
				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	13.35	13.26	13.39	14.5	0.0	
Channel									
Frequency (MHz)									
				648334	650000	652000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	13.34	13.34	13.32	14.5	0.0	
Channel									
Frequency (MHz)									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	13.39	13.39	13.39	14.5	0.0	
Channel									
Frequency (MHz)									
				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.31	13.31	13.37	14.5	0.0	
Channel									
Frequency (MHz)									
				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.30	13.28	13.25	14.5	0.0	

Part27Q_n78(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)									
3499.98									
100	Pl2 BPSK	1	1		13.35		14.5	0.0	
100	Pl2 BPSK	1	137		13.36				
100	Pl2 BPSK	1	271		13.42				
100	Pl2 BPSK	135	0		13.45		14.5	0.0	
100	Pl2 BPSK	135	69		13.48		14.5	0.0	
100	Pl2 BPSK	135	138		13.49				
100	Pl2 BPSK	270	0		13.49		14.5	0.0	
100	QPSK	1	1		13.51				
100	QPSK	1	137		13.49		14.5	0.0	
100	QPSK	1	271		13.47				
100	QPSK	135	0		13.41				
100	QPSK	135	69		13.46		14.5	0.0	
100	QPSK	135	138		13.45				
100	QPSK	270	0		13.42		14.5	0.0	
100	16QAM	1	1		13.28		14.5	0.0	
100	64QAM	1	1		13.34		14.5	0.0	
100	256QAM	1	1		13.46		14.5	0.0	
Channel									
Frequency (MHz)									
633000									
3499.98									
80	QPSK	1	1		13.40	13.50	13.40	14.5	0.0
Channel									
Frequency (MHz)									
632668									
3499.98									
80	QPSK	1	1		13.37	13.44	13.44	14.5	0.0
Channel									
Frequency (MHz)									
632668									
3499.98									
70	QPSK	1	1		13.46	13.43	13.47	14.5	0.0
Channel									
Frequency (MHz)									
632668									
3499.98									
60	QPSK	1	1		13.46	13.45	13.47	14.5	0.0
Channel									
Frequency (MHz)									
631668									
3499.98									
50	QPSK	1	1		13.41	13.37	13.41	14.5	0.0
Channel									
Frequency (MHz)									
631334									
3499.98									
40	QPSK	1	1		13.44	13.49	13.38	14.5	0.0
Channel									
Frequency (MHz)									
631000									
3499.98									
30	QPSK	1	1		13.42	13.39	13.47	14.5	0.0
Channel									
Frequency (MHz)									
630668									
3499.98									
20	QPSK	1	1		13.45	13.45	13.37	14.5	0.0

Part270_n78(HPUE)_Ant 9									
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)									
65000									
100	Pl2 BPSK	1	1		13.23			14.5	0.0
100	Pl2 BPSK	1	137		13.30				
100	Pl2 BPSK	1	271		13.25				
100	Pl2 BPSK	135	0		13.31			14.5	0.0
100	Pl2 BPSK	135	69		13.30			14.5	0.0
100	Pl2 BPSK	135	138		13.37				
100	Pl2 BPSK	270	0		13.39			14.5	0.0
100	QPSK	1	1		13.40				
100	QPSK	1	137		13.35			14.5	0.0
100	QPSK	1	271		13.33				
100	QPSK	135	0		13.33				
100	QPSK	135	69		13.36				
100	QPSK	135	138		13.27			14.5	0.0
100	QPSK	270	0		13.35			14.5	0.0
100	16QAM	1	1		13.04			14.5	0.0
100	16QAM	1	1		13.04			14.5	0.0
100	256QAM	1	1		13.38			14.5	0.0
Channel									
3745.00									
Frequency (MHz)									
3750									
80	QPSK	1	1	13.14	13.23	13.30	Tune-up limit (dBm)	MPR (dB)	
Channel									
65035.00									
Frequency (MHz)									
3750									
80	QPSK	1	1	37.29	37.34	37.33	Tune-up limit (dBm)	MPR (dB)	
Channel									
65060.00									
Frequency (MHz)									
3750									
75	QPSK	1	1	13.35	13.27	13.32	Tune-up limit (dBm)	MPR (dB)	
Channel									
64968.00									
Frequency (MHz)									
3750									
80	QPSK	1	1	13.35	13.26	13.30	Tune-up limit (dBm)	MPR (dB)	
Channel									
64834.00									
Frequency (MHz)									
3725.01									
50	QPSK	1	1	13.34	13.24	13.27	Tune-up limit (dBm)	MPR (dB)	
Channel									
64800.00									
Frequency (MHz)									
3720									
40	QPSK	1	1	37.30	37.39	37.30	Tune-up limit (dBm)	MPR (dB)	
Channel									
64765.00									
Frequency (MHz)									
3715.02									
30	QPSK	1	1	13.31	13.31	13.37	Tune-up limit (dBm)	MPR (dB)	
Channel									
64734.00									
Frequency (MHz)									
3710.03									
20	QPSK	1	1	13.30	13.28	13.25	Tune-up limit (dBm)	MPR (dB)	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	12.95			14.8	0.0	
100	Pl2 BPSK	1	137	12.84					
100	Pl2 BPSK	1	271	13.01					
100	Pl2 BPSK	135	0	12.98			14.8	0.0	
100	Pl2 BPSK	135	69	12.93			14.8	0.0	
100	Pl2 BPSK	135	138	12.92			14.8	0.0	
100	Pl2 BPSK	270	0	12.91					
100	QPSK	1	1	13.17					
100	QPSK	1	137	13.11			14.8	0.0	
100	QPSK	1	271	13.12					
100	QPSK	135	0	13.11					
100	QPSK	135	69	13.12			14.8	0.0	
100	QPSK	135	138	13.05					
100	QPSK	270	0	13.06					
100	16QAM	1	1	12.83			14.3	0.5	
100	64QAM	1	1	12.85			14.3	0.5	
100	256QAM	1	1	13.07			14.8	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
80	QPSK	1	1	13.13	13.07	13.14	14.8	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	13.04	13.11	13.05	14.8	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	13.14	13.13	13.16	14.8	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	13.10	13.12	13.08	14.8	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	13.13	13.16	13.16	14.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	13.15	13.05	13.03	14.8	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	13.11	13.02	13.02	14.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	13.09	13.08	13.03	14.8	0.0	

Part27O_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649668		650000			
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.09			14.8	0.0	
100	Pl2 BPSK	1	137	13.04					
100	Pl2 BPSK	1	271	13.27					
100	Pl2 BPSK	135	0	13.12			14.8	0.0	
100	Pl2 BPSK	135	69	13.10			14.8	0.0	
100	Pl2 BPSK	135	138	13.09			14.8	0.0	
100	Pl2 BPSK	270	0	13.11					
100	QPSK	1	1	13.41					
100	QPSK	1	137	13.25			14.8	0.0	
100	QPSK	1	271	13.32					
100	QPSK	135	0	13.22					
100	QPSK	135	69	13.37			14.8	0.0	
100	QPSK	135	138	13.28					
100	QPSK	270	0	13.18					
100	16QAM	1	1	12.89			14.3	0.5	
100	64QAM	1	1	12.90			14.3	0.5	
100	256QAM	1	1	13.19			14.8	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	13.39	13.38	13.33	14.8	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1	13.37	13.31	13.26	14.8	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	13.39	13.34	13.36	14.8	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3750	3761.98	(dBm)	(dB)	
60	QPSK	1	1	13.36	13.39	13.40	14.8	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3750	3764.98	(dBm)	(dB)	
50	QPSK	1	1	13.31	13.34	13.34	14.8	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	13.38	13.26	13.39	14.8	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	13.39	13.34	13.33	14.8	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	1	13.30	13.30	13.35	14.8	0.0	

Part27Q_n78(HPUe)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	12.95			14.8	0.0	
100	Pl2 BPSK	1	137	12.84					
100	Pl2 BPSK	1	271	13.01					
100	Pl2 BPSK	135	0	12.98			14.8	0.0	
100	Pl2 BPSK	135	69	12.93			14.8	0.0	
100	Pl2 BPSK	135	138	12.92			14.8	0.0	
100	Pl2 BPSK	270	0	12.91					
100	QPSK	1	1	13.17					
100	QPSK	1	137	13.11			14.8	0.0	
100	QPSK	1	271	13.12					
100	QPSK	135	0	13.11					
100	QPSK	135	69	13.12			14.8	0.0	
100	QPSK	135	138	13.05					
100	QPSK	270	0	13.06					
100	16QAM	1	1	12.83			14.8	0.0	
100	64QAM	1	1	12.85			14.8	0.0	
100	256QAM	1	1	13.07			14.8	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)		
80	QPSK	1	1	13.13	13.07	13.14	14.8	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)		
80	QPSK	1	1	13.04	13.11	13.05	14.8	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1	13.14	13.13	13.16	14.8	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)		
60	QPSK	1	1	13.10	13.12	13.08	14.8	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		
50	QPSK	1	1	13.13	13.16	13.16	14.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)		
40	QPSK	1	1	13.15	13.16	13.03	14.8	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
30	QPSK	1	1	13.11	13.02	13.02	14.8	0.0	
Channel				630332	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.02	3499.98	3545	(dBm)		
25	QPSK	1	1	13.09	13.08	13.03	14.8	0.0	

Part270_n78(HPUe)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		13.09			14.8	0.0
100	Pl2 BPSK	1	137		13.04				
100	Pl2 BPSK	1	271		13.27				
100	Pl2 BPSK	135	0		13.12			14.8	0.0
100	Pl2 BPSK	135	69		13.10			14.8	0.0
100	Pl2 BPSK	135	138		13.09				
100	Pl2 BPSK	270	0		13.11			14.8	0.0
100	QPSK	1	1		13.41				
100	QPSK	1	137		13.25			14.8	0.0
100	QPSK	1	271		13.32				
100	QPSK	135	0		13.22			14.8	0.0
100	QPSK	135	69		13.37				
100	QPSK	135	138		13.28				
100	QPSK	270	0		13.18			14.8	0.0
100	16QAM	1	1		12.88			14.8	0.0
100	64QAM	1	1		12.80			14.8	0.0
100	256QAM	1	1		13.19			14.8	0.0
Channel									
Frequency (MHz)									
				649668	650000	650332		Tune-up limit	MPR
				3743.02	3750	3754.98		(dBm)	(dB)
80	QPSK	1	1		13.39	13.38	13.33	14.8	0.0
Channel									
Frequency (MHz)									
				648334	650000	650668		Tune-up limit	MPR
				3740.01	3750	3759.99		(dBm)	(dB)
80	QPSK	1	1		13.37	13.31	13.26	14.8	0.0
Channel									
Frequency (MHz)									
				648000	650000	651000		Tune-up limit	MPR
				3735	3750	3765		(dBm)	(dB)
70	QPSK	1	1		13.39	13.34	13.36	14.8	0.0
Channel									
Frequency (MHz)									
				648668	650000	651332		Tune-up limit	MPR
				3725.01	3750	3774.99		(dBm)	(dB)
60	QPSK	1	1		13.39	13.39	13.40	14.8	0.0
Channel									
Frequency (MHz)									
				648334	650000	651668		Tune-up limit	MPR
				3725.01	3750	3774.99		(dBm)	(dB)
50	QPSK	1	1		13.31	13.34	13.34	14.8	0.0
Channel									
Frequency (MHz)									
				648000	650000	652000		Tune-up limit	MPR
				3720	3750	3780		(dBm)	(dB)
40	QPSK	1	1		13.38	13.26	13.39	14.8	0.0
Channel									
Frequency (MHz)									
				647668	650000	652332		Tune-up limit	MPR
				3715.02	3750	3784.98		(dBm)	(dB)
30	QPSK	1	1		13.39	13.34	13.33	14.8	0.0
Channel									
Frequency (MHz)									
				647334	650000	652668		Tune-up limit	MPR
				3710.01	3750	3789.99		(dBm)	(dB)
20	QPSK	1	1		13.30	13.30	13.35	14.8	0.0

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3499.98									
100	Pl2 BPSK	1	1		14.18			15.6	0.0
100	Pl2 BPSK	1	137		14.33				
100	Pl2 BPSK	1	271		14.31				
100	Pl2 BPSK	135	0		14.16			15.6	0.0
100	Pl2 BPSK	135	69		14.26			15.6	0.0
100	Pl2 BPSK	135	138		14.30				
100	Pl2 BPSK	270	0		14.22			15.6	0.0
100	QPSK	1	1		14.35				
100	QPSK	1	137		14.29			15.6	0.0
100	QPSK	1	271		14.19				
100	QPSK	135	0		14.30			15.6	0.0
100	QPSK	135	69		14.31				
100	QPSK	135	138		14.22				
100	QPSK	270	0		14.25			15.6	0.0
100	16QAM	1	1		13.75			15.6	0.0
100	64QAM	1	1		13.87			15.6	0.0
100	256QAM	1	1		14.31			15.6	0.0
Channel									
Frequency (MHz)									
633000 633332 633668 Tune-up limit MPR									
3495 3499.98 3504.98 (dBm) (dB)									
80	QPSK	1	1		14.19	14.32	14.22	15.6	0.0
Channel									
Frequency (MHz)									
632668 633332 634000 Tune-up limit MPR									
3490.02 3499.98 3510 (dBm) (dB)									
80	QPSK	1	1		14.21	14.24	14.22	15.6	0.0
Channel									
Frequency (MHz)									
632334 633332 634332 Tune-up limit MPR									
3485.01 3499.98 3514.98 (dBm) (dB)									
70	QPSK	1	1		14.29	14.20	14.25	15.6	0.0
Channel									
Frequency (MHz)									
632000 633332 634668 Tune-up limit MPR									
3480 3499.98 3518.98 (dBm) (dB)									
60	QPSK	1	1		14.20	14.33	14.24	15.6	0.0
Channel									
Frequency (MHz)									
631668 633332 635000 Tune-up limit MPR									
3475.02 3499.98 3525 (dBm) (dB)									
50	QPSK	1	1		14.22	14.27	14.29	15.6	0.0
Channel									
Frequency (MHz)									
631334 633332 635332 Tune-up limit MPR									
3470.01 3499.98 3528.98 (dBm) (dB)									
40	QPSK	1	1		14.23	14.31	14.31	15.6	0.0
Channel									
Frequency (MHz)									
631000 633332 635668 Tune-up limit MPR									
3465 3499.98 3534.98 (dBm) (dB)									
30	QPSK	1	1		14.25	14.33	14.23	15.6	0.0
Channel									
Frequency (MHz)									
630668 633332 636000 Tune-up limit MPR									
3460.02 3499.98 3540 (dBm) (dB)									
20	QPSK	1	1		14.20	14.20	14.23	15.6	0.0

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750									
100	Pl2 BPSK	1	1		14.28			15.6	0.0
100	Pl2 BPSK	1	137		14.46				
100	Pl2 BPSK	1	271		14.44				
100	Pl2 BPSK	135	0		14.23			15.6	0.0
100	Pl2 BPSK	135	69		14.46			15.6	0.0
100	Pl2 BPSK	135	138		14.42				
100	Pl2 BPSK	270	0		14.36			15.6	0.0
100	QPSK	1	1		14.48				
100	QPSK	1	137		14.41			15.6	0.0
100	QPSK	1	271		14.34				
100	QPSK	135	0		14.39				
100	QPSK	135	69		14.43			15.6	0.0
100	QPSK	135	138		14.37				
100	QPSK	270	0		14.41			15.6	0.0
100	16QAM	1	1		13.85			15.6	0.0
100	64QAM	1	1		13.68			15.6	0.0
100	256QAM	1	1		13.42			15.6	0.0
Channel									
				649688	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.07	3750	3754.98	(dBm)		
80	QPSK	1	1		14.43	14.37	14.30	14.9	0.0
Channel									
				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1		14.38	14.48	14.35	15.6	0.0
Channel									
				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1		14.44	14.47	14.45	15.6	0.0
Channel									
				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.00	3750	3769.98	(dBm)		
60	QPSK	1	1		14.42	14.47	14.46	15.6	0.0
Channel									
				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	QPSK	1	1		14.35	14.43	14.39	15.6	0.0
Channel									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1		14.37	14.38	14.38	15.6	0.0
Channel									
				647666	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		
30	QPSK	1	1		14.40	14.34	14.39	15.6	0.0
Channel									
				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)		
20	QPSK	1	1		14.34	14.46	14.43	15.6	0.0

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332		3499.98		15.6	0.0
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	14.18				15.6	0.0
100	Pl2 BPSK	1	137	14.33					
100	Pl2 BPSK	1	271	14.31				15.6	0.0
100	Pl2 BPSK	135	0	14.16					
100	Pl2 BPSK	135	69	14.26				15.6	0.0
100	Pl2 BPSK	135	138	14.30					
100	Pl2 BPSK	270	0	14.22				15.6	0.0
100	QPSK	1	1	14.35					
100	QPSK	1	137	14.29				15.6	0.0
100	QPSK	1	271	14.19					
100	QPSK	135	0	14.30				15.6	0.0
100	QPSK	135	69	14.31					
100	QPSK	135	138	14.22				15.6	0.0
100	QPSK	270	0	14.29					
100	16QAM	1	1	13.75				15.6	0.0
100	16QAM	1	1	13.87					
100	256QAM	1	1	14.31				15.6	0.0
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98	MPR (dB)		
80	QPSK	1	1	14.32	14.32	14.22	14.2	15.6	0.0
Channel				632668	633332	634000	15.6	0.0	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	14.21	14.24	14.22	14.2	15.6	0.0
Channel				632334	633332	634332	15.6	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	14.29	14.20	14.25	14.25	15.6	0.0
Channel				632000	633332	634668	15.6	0.0	
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	14.20	14.33	14.24	14.24	15.6	0.0
Channel				631668	633332	635000	15.6	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	14.22	14.27	14.29	14.29	15.6	0.0
Channel				631334	633332	635332	15.6	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	14.23	14.31	14.31	14.31	15.6	0.0
Channel				631000	633332	635668	15.6	0.0	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	14.25	14.33	14.23	14.23	15.6	0.0
Channel				630668	633332	636000	15.6	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	14.20	14.20	14.23	14.23	15.6	0.0

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	14.28			15.6	0.0	
100	Pl2 BPSK	1	137	14.48					
100	Pl2 BPSK	1	271	14.44			15.6	0.0	
100	Pl2 BPSK	135	0	14.23					
100	Pl2 BPSK	135	69	14.46			15.6	0.0	
100	Pl2 BPSK	135	138	14.42					
100	Pl2 BPSK	270	0	14.36			15.6	0.0	
100	QPSK	1	1	14.45					
100	QPSK	1	137	14.41			15.6	0.0	
100	QPSK	1	271	14.34					
100	QPSK	135	0	14.39			15.6	0.0	
100	QPSK	135	69	14.43					
100	QPSK	135	138	14.37			15.6	0.0	
100	QPSK	270	0	14.41					
100	16QAM	1	1	13.86			15.6	0.0	
100	16QAM	1	1	13.92					
100	256QAM	1	1	14.43			15.6	0.0	
Channel				649668	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	14.45	14.37	14.39	15.6	0.0	
Channel				649334	650000	650668	15.6	0.0	
Frequency (MHz)				3740.01	3750	3759.98			
80	QPSK	1	1	14.38	14.48	14.35	15.6	0.0	
Channel				649000	650000	651000	15.6	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	14.44	14.47	14.45	15.6	0.0	
Channel				648668	650000	651332	15.6	0.0	
Frequency (MHz)				3730.02	3750	3763.98			
60	QPSK	1	1	14.42	14.47	14.46	15.6	0.0	
Channel				648334	650000	651668	15.6	0.0	
Frequency (MHz)				3725.01	3750	3774.98			
50	QPSK	1	1	14.35	14.43	14.39	15.6	0.0	
Channel				648000	650000	652000	15.6	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	14.37	14.38	14.38	15.6	0.0	
Channel				647668	650000	652332	15.6	0.0	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	14.40	14.34	14.38	15.6	0.0	
Channel				647334	650000	652668	15.6	0.0	
Frequency (MHz)				3710.01	3750	3789.98			
20	QPSK	1	1	14.34	14.46	14.43	15.6	0.0	

Part27Q_n78_Ant 0									
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				633332		3499.98	15.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	14.08			15.2	0.0	
100	Pl2 BPSK	1	137	14.06					
100	Pl2 BPSK	1	271	14.13			15.2	0.0	
100	Pl2 BPSK	135	0	13.92					
100	Pl2 BPSK	135	69	14.12			15.2	0.0	
100	Pl2 BPSK	135	138	14.13					
100	Pl2 BPSK	270	0	14.00			15.2	0.0	
100	QPSK	1	1	14.22					
100	QPSK	1	137	14.11			15.2	0.0	
100	QPSK	1	271	14.12					
100	QPSK	135	0	13.86			15.2	0.0	
100	QPSK	135	69	14.15					
100	QPSK	135	138	14.08			15.2	0.0	
100	QPSK	270	0	13.96					
100	16QAM	1	1	13.70			14.7	0.5	
100	16QAM	1	1	13.80					
100	256QAM	1	1	14.08			15.2	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98	MPR (dB)		
80	QPSK	1	1	14.10	14.18	14.11	15.2	0.0	
Channel				632668	633332	634000	15.2	0.0	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	14.12	14.07	14.09	15.2	0.0	
Channel				632334	633332	634332	15.2	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	14.07	14.07	14.11	15.2	0.0	
Channel				632000	633332	634668	15.2	0.0	
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	14.16	14.21	14.17	15.2	0.0	
Channel				631668	633332	635000	15.2	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	14.18	14.19	14.11	15.2	0.0	
Channel				631334	633332	635332	15.2	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	14.14	14.12	14.18	15.2	0.0	
Channel				631000	633332	635668	15.2	0.0	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	14.13	14.16	14.16	15.0	0.0	
Channel				630668	633332	636000	14.8	MPR (dB)	
Frequency (MHz)				3460.00	3499.98	3540			
20	QPSK	1	1	14.17	14.09	14.18	15.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power Middle Ch. 1 Freq. 376000	Power High Ch. 1 Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900	21.4	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	19.89	19.86	19.87			
20	Pl2 BPSK	1	53	19.95	19.86	19.89			
20	Pl2 BPSK	1	104	19.87	19.93	19.88	21.4	0.0	
20	Pl2 BPSK	50	0	19.93	19.85	19.87	21.4	0.0	
20	Pl2 BPSK	50	28	19.85	19.87	19.94	21.4	0.0	
20	Pl2 BPSK	50	56	19.86	19.94	19.87	21.4	0.0	
20	Pl2 BPSK	100	0	19.93	19.88	19.85	21.4	0.0	
20	QPSK	1	1	19.94	19.96	19.95	21.4	0.0	
20	QPSK	1	53	19.94	19.87	19.80	21.4	0.0	
20	QPSK	1	104	19.91	19.88	19.89	21.4	0.0	
20	QPSK	50	0	19.88	19.89	19.93	21.4	0.0	
20	QPSK	50	28	19.88	19.93	19.86	21.4	0.0	
20	QPSK	50	56	19.87	19.82	19.83	21.4	0.0	
20	QPSK	100	0	19.87	19.90	19.89	21.4	0.0	
20	16QAM	1	1	19.95	19.92	19.88	21.4	0.0	
20	64QAM	1	1	19.93	19.88	19.85	21.4	0.0	
20	256QAM	1	1	19.94	19.90	19.91	21.4	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5	21.4	0.0	
15	QPSK	1	1	19.82	19.92	19.86			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	21.4	0.0	
10	QPSK	1	1	19.87	19.94	19.93			
Channel				370900	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	21.4	0.0	
5	QPSK	1	1	19.79	19.86	19.86			

Reduced Power Mode for ECI 8									
n2_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power Middle Ch. 1 Freq. 376000	Power High Ch. 1 Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900	18.8	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	17.33	17.37	17.34			
20	Pl2 BPSK	1	53	17.48	17.30	17.38			
20	Pl2 BPSK	1	104	17.26	17.38	17.38	18.8	0.0	
20	Pl2 BPSK	50	0	17.31	17.42	17.43	18.8	0.0	
20	Pl2 BPSK	50	28	17.48	17.42	17.27	18.8	0.0	
20	Pl2 BPSK	50	56	17.37	17.31	17.43	18.8	0.0	
20	Pl2 BPSK	100	0	17.31	17.41	17.44	18.8	0.0	
20	QPSK	1	1	17.42	17.49	17.48	18.8	0.0	
20	QPSK	1	53	17.31	17.32	17.40	18.8	0.0	
20	QPSK	1	104	17.42	17.47	17.36	18.8	0.0	
20	QPSK	50	0	17.29	17.33	17.31	18.8	0.0	
20	QPSK	50	28	17.40	17.47	17.34	18.8	0.0	
20	QPSK	50	56	17.34	17.38	17.20	18.8	0.0	
20	QPSK	100	0	17.42	17.43	17.26	18.8	0.0	
20	16QAM	1	1	17.38	17.29	17.31	18.8	0.0	
20	64QAM	1	1	17.42	17.31	17.40	18.8	0.0	
20	256QAM	1	1	17.40	17.37	17.45	18.8	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5	18.8	0.0	
15	QPSK	1	1	17.30	17.38	17.35			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	18.8	0.0	
10	QPSK	1	1	17.38	17.45	17.37			
Channel				370900	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	18.8	0.0	
5	QPSK	1	1	17.36	17.41	17.43			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166800	Power Middle Ch. 1 Freq. 167500	Power High Ch. 1 Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839	24.2	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.10	23.06	23.04			
20	Pl2 BPSK	1	53	23.08	22.99	23.08			
20	Pl2 BPSK	1	104	23.06	23.00	23.01	24.2	0.0	
20	Pl2 BPSK	50	0	23.06	23.07	23.10	24.2	0.0	
20	Pl2 BPSK	50	28	23.03	23.09	23.02	24.2	0.0	
20	Pl2 BPSK	50	56	23.10	23.00	23.04	24.2	0.0	
20	Pl2 BPSK	100	0	22.98	23.10	23.09	24.2	0.0	
20	QPSK	1	1	23.12	23.14	23.08	24.2	0.0	
20	QPSK	1	53	23.02	23.09	23.03	24.2	0.0	
20	QPSK	1	104	23.04	23.00	23.03	24.2	0.0	
20	QPSK	50	0	22.99	23.06	23.02	24.2	0.0	
20	QPSK	50	28	23.05	23.07	23.06	24.2	0.0	
20	QPSK	50	56	23.01	23.01	22.99	24.2	0.0	
20	QPSK	100	0	23.04	23.08	23.01	24.2	0.0	
20	16QAM	1	1	23.09	23.04	23.11	24.2	0.0	
20	64QAM	1	1	22.98	23.07	23.05	24.2	0.0	
20	256QAM	1	1	22.91	22.94	22.81	24.2	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0	
15	QPSK	1	1	23.04	23.09	22.94			
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	838.5	843	24.2	0.0	
10	QPSK	1	1	23.02	23.02	23.01			
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.2	0.0	
5	QPSK	1	1	23.11	23.03	23.04			

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				834	836.5	839			
20	PQ2 BPSK	1	1	19.63	19.69	19.67			
20	PQ2 BPSK	1	53	19.58	19.71	19.74	21.2		0.0
20	PQ2 BPSK	1	104	19.68	19.64	19.72			
20	PQ2 BPSK	50	0	19.56	19.70	19.64	21.2		0.0
20	PQ2 BPSK	50	28	19.57	19.72	19.71	21.2		0.0
20	PQ2 BPSK	50	56	19.57	19.72	19.71	21.2		0.0
20	PQ2 BPSK	100	0	19.57	19.71	19.75			
20	QPSK	1	1	19.60	19.81	19.75			
20	QPSK	1	53	19.69	19.66	19.61	21.2		0.0
20	QPSK	1	104	19.57	19.67	19.65			
20	QPSK	50	0	19.60	19.71	19.63	21.2		0.0
20	QPSK	50	28	19.60	19.74	19.65	21.2		0.0
20	QPSK	50	56	19.56	19.71	19.62			
20	QPSK	100	0	19.57	19.71	19.68	21.2		0.0
20	16QAM	1	1	19.60	19.74	19.69	21.2		0.0
20	64QAM	1	1	19.63	19.68	19.65	21.2		0.0
20	256QAM	1	1	19.57	19.71	19.70	21.2		0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	19.57	19.72	19.71	21.2		0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	19.62	19.75	19.60	21.2		0.0
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	19.56	19.78	19.67	21.2		0.0

n7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
Frequency (MHz)				18.49	18.45	18.53			
40	PQ2 BPSK	1	1	18.49	18.50	18.55	19.3		0.0
40	PQ2 BPSK	1	108	18.49	18.50	18.55			
40	PQ2 BPSK	1	214	18.50	18.52	18.48			
40	PQ2 BPSK	108	0	18.43	18.52	18.44	19.3		0.0
40	PQ2 BPSK	108	54	18.48	18.43	18.53	19.3		0.0
40	PQ2 BPSK	108	108	18.56	18.50	18.53			
40	PQ2 BPSK	216	0	18.47	18.45	18.49	19.3		0.0
40	QPSK	1	1	18.54	18.57	18.55			
40	QPSK	1	108	18.47	18.54	18.49	19.3		0.0
40	QPSK	1	214	18.50	18.58	18.50			
40	QPSK	108	0	18.48	18.48	18.43	19.3		0.0
40	QPSK	108	54	18.52	18.55	18.51	19.3		0.0
40	QPSK	108	108	18.44	18.54	18.47			
40	QPSK	216	0	18.50	18.52	18.49	19.3		0.0
40	16QAM	1	1	18.51	18.54	18.47	19.3		0.0
40	64QAM	1	1	18.43	18.42	18.47	19.3		0.0
40	256QAM	1	1	18.42	18.56	18.43	19.3		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.44	18.44	18.49	19.3		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.45	18.43	18.42	19.3		0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.39	18.40	18.40	19.3		0.0
Channel				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.44	18.42	18.50	19.3		0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2565			
10	QPSK	1	1	18.50	18.47	18.45	19.3		0.0
Channel				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.42	18.52	18.42	19.3		0.0

n7_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
Frequency (MHz)				18.49	18.51	18.62			
40	PQ2 BPSK	1	1	18.79	18.91	18.82			
40	PQ2 BPSK	1	108	18.82	18.85	18.82	17.8		0.0
40	PQ2 BPSK	1	214	18.87	18.75	18.88			
40	PQ2 BPSK	108	0	18.79	18.87	18.74	17.8		0.0
40	PQ2 BPSK	108	54	18.79	18.73	18.87	17.8		0.0
40	PQ2 BPSK	108	108	18.88	18.88	18.90			
40	PQ2 BPSK	216	0	18.88	18.84	18.75	17.8		0.0
40	QPSK	1	1	18.93	17.62	18.91			
40	QPSK	1	108	18.85	18.88	18.83	17.8		0.0
40	QPSK	1	214	18.82	18.79	18.83			
40	QPSK	108	0	18.75	18.88	18.84	17.8		0.0
40	QPSK	108	54	18.88	18.96	18.94	17.8		0.0
40	QPSK	108	108	18.81	18.73	18.87			
40	QPSK	216	0	18.83	18.87	18.75	17.8		0.0
40	16QAM	1	1	18.90	18.90	18.88	17.8		0.0
40	64QAM	1	1	18.89	18.89	18.87	17.8		0.0
40	256QAM	1	1	18.88	18.92	18.83	17.8		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.87	17.00	18.86	17.8		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.75	17.01	18.77	17.8		0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.90	18.90	18.66	17.8		0.0
Channel				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.79	18.97	18.83	17.8		0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2565			
10	QPSK	1	1	18.82	18.95	18.86	17.8		0.0
Channel				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.85	18.87	18.86	17.8		0.0

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 504000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	15.44	15.47	15.37			
40	Pl2 BPSK	1	108	15.37	15.44	15.41	16.7		
40	Pl2 BPSK	1	214	15.38	15.56	15.47			
40	Pl2 BPSK	108	0	15.41	15.50	15.42	16.7		
40	Pl2 BPSK	108	54	15.44	15.53	15.43	16.7		
40	Pl2 BPSK	108	108	15.44	15.50	15.46			
40	Pl2 BPSK	216	0	15.48	15.58	15.49	16.7		
40	QPSK	1	1	15.35	15.59	15.52			
40	QPSK	1	108	15.40	15.45	15.44	16.7		
40	QPSK	1	214	15.42	15.48	15.47			
40	QPSK	108	0	15.41	15.48	15.42	16.7		
40	QPSK	108	54	15.45	15.57	15.47	16.7		
40	QPSK	108	108	15.47	15.54	15.42			
40	QPSK	216	0	15.39	15.54	15.51	16.7		
40	16QAM	1	1	15.50	15.56	15.44	16.7		
40	64QAM	1	1	15.38	15.57	15.38	16.7		
40	256QAM	1	1	15.41	15.44	15.41	16.7		
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	15.47	15.48	15.38	16.7		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	15.43	15.53	15.42	15.7		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	15.44	15.45	15.41	15.7		
Channel				510500	512000	513500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	15.47	15.46	15.43	16.7		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	15.50	15.46	15.51	16.7		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	15.38	15.45	15.50	16.7		

n7_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 504000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	17.86	17.80	17.71			
40	Pl2 BPSK	1	108	17.84	17.79	17.60	19.3		
40	Pl2 BPSK	1	214	17.79	17.85	17.84			
40	Pl2 BPSK	108	0	17.91	17.84	17.71	19.3		
40	Pl2 BPSK	108	54	17.85	17.85	17.85	19.3		
40	Pl2 BPSK	108	108	17.89	17.76	17.62			
40	Pl2 BPSK	216	0	17.91	17.81	17.71	19.3		
40	QPSK	1	1	17.93	17.96	17.75			
40	QPSK	1	108	17.89	17.81	17.68	19.3		
40	QPSK	1	214	17.91	17.85	17.70			
40	QPSK	108	0	17.81	17.77	17.60	19.3		
40	QPSK	108	54	17.82	17.90	17.70	19.3		
40	QPSK	108	108	17.75	17.80	17.63			
40	QPSK	216	0	17.82	17.86	17.73	19.3		
40	16QAM	1	1	17.90	17.81	17.73	19.3		
40	64QAM	1	1	17.91	17.71	17.66	19.3		
40	256QAM	1	1	17.89	17.72	17.74	19.3		
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	17.79	17.72	17.63	19.3		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	17.92	17.85	17.66	19.3		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	17.86	17.80	17.67	19.3		
Channel				510500	512000	513500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	17.79	17.79	17.73	19.3		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	17.91	17.74	17.81	19.3		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	17.78	17.78	17.67	19.3		

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	17.29	17.26	17.32			
15	Pl2 BPSK	1	40	17.24	17.29	17.32	18.7		
15	Pl2 BPSK	1	77	17.34	17.32	17.38			
15	Pl2 BPSK	36	0	17.34	17.29	17.35	18.7		
15	Pl2 BPSK	36	22	17.28	17.32	17.28	18.7		
15	Pl2 BPSK	36	43	17.32	17.29	17.24	18.7		
15	Pl2 BPSK	75	0	17.30	17.27	17.38			
15	QPSK	1	1	17.34	17.38	17.35			
15	QPSK	1	40	17.34	17.29	17.28	18.7		
15	QPSK	1	77	17.34	17.32	17.25			
15	QPSK	36	0	17.24	17.24	17.28	18.7		
15	QPSK	36	22	17.28	17.35	17.31	18.7		
15	QPSK	36	43	17.28	17.29	17.28	18.7		
15	QPSK	75	0	17.24	17.28	17.24			
15	16QAM	1	1	17.24	17.25	17.22	18.7		
15	64QAM	1	1	17.27	17.31	17.23	18.7		
15	256QAM	1	1	17.29	17.31	17.28	18.7		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				706	707.5	711	(dBm)		
10	QPSK	1	1	17.21	17.27	17.26	18.7		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	711.5	(dBm)		
5	QPSK	1	1	17.23	17.33	17.24	18.7		

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 141300	Power Middle Ch. F Freq. 141500	Power High Ch. F Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	706.5	18.0	0.0	
Frequency (MHz)									
15	Pl2 BPSK	1	1	16.56	16.49	16.55			
15	Pl2 BPSK	1	40	16.52	16.54	16.45			
15	Pl2 BPSK	1	77	16.53	16.58	16.54	18.0	0.0	
15	Pl2 BPSK	36	0	16.56	16.55	16.44	18.0	0.0	
15	Pl2 BPSK	36	22	16.58	16.58	16.54	18.0	0.0	
15	Pl2 BPSK	36	43	16.53	16.48	16.57	18.0	0.0	
15	Pl2 BPSK	75	0	16.48	16.44	16.45	18.0	0.0	
15	QPSK	1	1	16.61	16.64	16.56	18.0	0.0	
15	QPSK	1	40	16.50	16.44	16.55			
15	QPSK	1	77	16.49	16.56	16.51			
15	QPSK	36	0	16.50	16.52	16.41			
15	QPSK	36	22	16.56	16.58	16.43	18.0	0.0	
15	QPSK	36	43	16.48	16.45	16.40	18.0	0.0	
15	QPSK	75	0	16.48	16.53	16.51	18.0	0.0	
15	16QAM	1	1	16.54	16.49	16.53	18.0	0.0	
15	64QAM	1	1	16.54	16.47	16.53	18.0	0.0	
20	256QAM	1	1	16.56	16.53	16.51	18.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	16.56	16.54	16.48	18.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				707.5	707.5	711.5	(dBm)	(dB)	
5	QPSK	1	1	16.53	16.54	16.51	18.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	836	23.2	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.13	22.04	22.01			
20	Pl2 BPSK	1	53	22.10	22.02	22.04			
20	Pl2 BPSK	1	104	22.03	22.03	22.06	23.2	0.0	
20	Pl2 BPSK	50	0	22.04	22.11	22.09	23.2	0.0	
20	Pl2 BPSK	50	28	22.03	22.12	22.10	23.2	0.0	
20	Pl2 BPSK	50	56	22.08	22.08	22.02	23.2	0.0	
20	Pl2 BPSK	100	0	22.12	22.08	22.02	23.2	0.0	
20	QPSK	1	1	22.21	22.22	22.21	23.2	0.0	
20	QPSK	1	53	22.08	22.00	22.01			
20	QPSK	1	104	22.13	22.06	22.04			
20	QPSK	50	0	22.05	22.04	22.11			
20	QPSK	50	28	22.12	22.14	22.12	23.2	0.0	
20	QPSK	50	56	22.06	22.04	22.00	23.2	0.0	
20	QPSK	100	0	22.05	22.13	22.10	23.2	0.0	
20	16QAM	1	1	22.05	22.07	22.04	23.2	0.0	
20	64QAM	1	1	22.05	22.06	22.14	23.2	0.0	
20	256QAM	1	1	22.04	22.01	22.09	23.2	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.06	22.18	22.18	23.2	0.0	
Channel				163800	166300	166800	Tune-up limit	MPR	
Frequency (MHz)				816	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.20	22.16	22.15	23.2	0.0	
Channel				163300	166300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.08	22.20	22.06	23.2	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq. 164800	Power Middle Ch. F Freq. 165300	Power High Ch. F Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	836	21.2	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	19.75	19.78	19.85			
20	Pl2 BPSK	1	53	19.80	19.87	19.80			
20	Pl2 BPSK	1	104	19.76	19.87	19.88	21.2	0.0	
20	Pl2 BPSK	50	0	19.88	19.74	19.81	21.2	0.0	
20	Pl2 BPSK	50	28	19.80	19.88	19.88	21.2	0.0	
20	Pl2 BPSK	50	56	19.77	19.75	19.83	21.2	0.0	
20	Pl2 BPSK	100	0	19.83	19.79	19.76	21.2	0.0	
20	QPSK	1	1	19.84	19.92	19.88	21.2	0.0	
20	QPSK	1	53	19.77	19.82	19.78			
20	QPSK	1	104	19.83	19.84	19.76			
20	QPSK	50	0	19.75	19.80	19.79			
20	QPSK	50	28	19.87	19.89	19.84	21.2	0.0	
20	QPSK	50	56	19.84	19.86	19.72	21.2	0.0	
20	QPSK	100	0	19.83	19.89	19.75	21.2	0.0	
20	16QAM	1	1	19.88	19.79	19.74	21.2	0.0	
20	64QAM	1	1	19.85	19.81	19.85	21.2	0.0	
20	256QAM	1	1	19.80	19.84	19.80	21.2	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	19.81	19.80	19.74	21.2	0.0	
Channel				163800	166300	166800	Tune-up limit	MPR	
Frequency (MHz)				816	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	19.69	19.85	19.78	21.2	0.0	
Channel				163300	166300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	19.78	19.88	19.79	21.2	0.0	

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	19.43	19.49	19.42	21.1	0.0	
40	Pl2 BPSK	1	108	19.42	19.53	19.44			
40	Pl2 BPSK	1	214	19.43	19.43	19.44			
40	Pl2 BPSK	108	0	19.43	19.45	19.51	21.1	0.0	
40	Pl2 BPSK	108	54	19.48	19.55	19.47	21.1	0.0	
40	Pl2 BPSK	108	108	19.41	19.45	19.50			
40	Pl2 BPSK	216	0	19.42	19.43	19.53			
40	QPSK	1	1	19.51	19.62	19.55	21.1	0.0	
40	QPSK	1	108	19.53	19.54	19.47			
40	QPSK	1	214	19.54	19.47	19.51			
40	QPSK	108	0	19.44	19.42	19.45	21.1	0.0	
40	QPSK	108	54	19.52	19.54	19.50	21.1	0.0	
40	QPSK	108	108	19.49	19.52	19.49			
40	QPSK	216	0	19.48	19.49	19.43	21.1	0.0	
40	16QAM	1	1	19.51	19.41	19.48	21.1	0.0	
40	64QAM	1	1	19.41	19.48	19.53	21.1	0.0	
40	256QAM	1	1	19.54	19.43	19.41	21.1	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.42	19.54	19.52	21.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.43	19.58	19.50	21.1	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.50	19.58	19.54	21.1	0.0	
Channel				343000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1715	1745	1775			
10	QPSK	1	1	19.54	19.47	19.51	21.1	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.47	19.53	19.52	21.1	0.0	

n66_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	19.30	19.27	19.23	20.7	0.0	
40	Pl2 BPSK	1	108	19.27	19.27	19.19			
40	Pl2 BPSK	1	214	19.29	19.25	19.27			
40	Pl2 BPSK	108	0	19.25	19.18	19.26	20.7	0.0	
40	Pl2 BPSK	108	54	19.27	19.18	19.32	20.7	0.0	
40	Pl2 BPSK	108	108	19.31	19.26	19.32			
40	Pl2 BPSK	216	0	19.27	19.20	19.18	20.7	0.0	
40	QPSK	1	1	19.35	19.36	19.28	20.7	0.0	
40	QPSK	1	108	19.31	19.22	19.26			
40	QPSK	1	214	19.22	19.32	19.26			
40	QPSK	108	0	19.27	19.25	19.18	20.7	0.0	
40	QPSK	108	54	19.29	19.30	19.21	20.7	0.0	
40	QPSK	108	108	19.19	19.20	19.20			
40	QPSK	216	0	19.26	19.29	19.18	20.7	0.0	
40	16QAM	1	1	19.19	19.21	19.21	20.7	0.0	
40	64QAM	1	1	19.18	19.29	19.30	20.7	0.0	
40	256QAM	1	1	19.30	19.19	19.28	20.7	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.25	19.34	19.26	20.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.20	19.31	19.18	20.7	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.22	19.34	19.18	20.7	0.0	
Channel				343000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1715	1745	1775			
10	QPSK	1	1	19.21	19.24	19.24	20.7	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.27	19.32	19.25	20.7	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	22.78	22.73	22.82	24.2	0.0	
40	Pl2 BPSK	1	108	22.84	22.74	22.72			
40	Pl2 BPSK	1	214	22.86	22.78	22.74			
40	Pl2 BPSK	108	0	22.86	22.83	22.82	24.2	0.0	
40	Pl2 BPSK	108	54	22.82	22.79	22.73	24.2	0.0	
40	Pl2 BPSK	108	108	22.88	22.79	22.80			
40	Pl2 BPSK	216	0	22.77	22.84	22.79	24.2	0.0	
40	QPSK	1	1	22.90	22.92	22.84	24.2	0.0	
40	QPSK	1	108	22.89	22.79	22.81			
40	QPSK	1	214	22.87	22.79	22.82			
40	QPSK	108	0	22.77	22.86	22.72	24.2	0.0	
40	QPSK	108	54	22.80	22.88	22.78	24.2	0.0	
40	QPSK	108	108	22.75	22.78	22.68			
40	QPSK	216	0	22.76	22.84	22.77	24.2	0.0	
40	16QAM	1	1	22.76	22.79	22.76	24.2	0.0	
40	64QAM	1	1	22.66	22.76	22.64	23.8	0.4	
40	256QAM	1	1	22.09	22.21	22.15	23.3	0.9	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.77	22.84	22.70	24.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.94	22.74	22.80	24.2	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1717.5	1745	1772.5			
15	QPSK	1	1	22.78	22.73	22.71	24.2	0.0	
Channel				343000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1715	1745	1775			
10	QPSK	1	1	22.79	22.81	22.83	24.2	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.80	22.86	22.74	24.2	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	21.4	0.0
Frequency (MHz)				20.13	20.21	19.99		
40	PI2 BPSK	1	1	20.01	20.15	20.05		
40	PI2 BPSK	1	214	20.05	20.25	20.09	21.4	0.0
40	PI2 BPSK	108	0	20.01	20.26	19.96		
40	PI2 BPSK	108	54	20.04	20.24	19.96		
40	PI2 BPSK	108	108	20.08	20.19	20.03	21.4	0.0
40	PI2 BPSK	216	0	20.08	20.17	20.08		
40	QPSK	1	1	20.16	20.27	20.18		
40	QPSK	1	108	20.09	20.24	20.02	21.4	0.0
40	QPSK	1	214	20.08	20.24	20.03		
40	QPSK	108	0	20.04	20.16	20.10		
40	QPSK	108	54	20.03	20.22	20.13	21.4	0.0
40	QPSK	108	108	20.03	20.20	20.05		
40	QPSK	216	0	20.12	20.20	20.05		
40	16QAM	1	1	20.14	20.21	19.98	21.4	0.0
40	64QAM	1	1	20.01	20.18	19.97		
40	256QAM	1	1	20.02	20.09	20.00		
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.96	20.08	19.91		
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	20.02	20.13	19.90		
Channel				343500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.01	20.10	19.97		
Channel				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.03	20.06	19.92		
Channel				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.92	20.19	19.88		

n38_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)				2590.02	2595	2599.98			
40	PQ2 BPSK	1	1	18.07	18.07	18.05			
40	PQ2 BPSK	1	53	18.04	18.06	18.05	19.3	0.0	
40	PQ2 BPSK	1	104	18.06	18.07	18.14			
40	PQ2 BPSK	50	0	18.09	18.18	18.13	19.3	0.0	
40	PQ2 BPSK	50	28	18.08	18.15	18.14	19.3	0.0	
40	PQ2 BPSK	50	56	18.07	18.13	18.14			
40	PQ2 BPSK	100	0	18.10	18.15	18.07	19.3	0.0	
40	QPSK	1	1	18.15	18.21	18.20			
40	QPSK	1	53	18.09	18.17	18.12	19.3	0.0	
40	QPSK	1	104	18.09	18.12	18.10			
40	QPSK	50	0	18.04	18.07	18.05			
40	QPSK	50	28	18.11	18.20	18.16	19.3	0.0	
40	QPSK	50	56	18.05	18.15	18.07			
40	QPSK	100	0	18.04	18.15	18.09	19.3	0.0	
40	16QAM	1	1	18.15	18.12	18.15	19.3	0.0	
40	64QAM	1	1	18.04	18.14	18.17	19.3	0.0	
40	256QAM	1	1	18.12	18.15	18.17	19.3	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2582.01	2595	2604.99			
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2580	2595	2610			
Channel									
Frequency (MHz)				517002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2577.51	2595	2612.49			
Channel									
Frequency (MHz)				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.13	18.10	18.18	19.3	0.0	

n38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2690.02	2695	2699.98			
40	P2 BPSK	1	1	17.45	17.53	17.47			
40	P2 BPSK	1	53	17.54	17.45	17.51	18.9	0.0	
40	P2 BPSK	1	104	17.44	17.52	17.49			
40	P2 BPSK	50	0	17.47	17.53	17.50	18.9	0.0	
40	P2 BPSK	50	28	17.46	17.53	17.44	18.9	0.0	
40	P2 BPSK	50	56	17.41	17.48	17.40			
40	P2 BPSK	100	0	17.47	17.47	17.43	18.9	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	E-PR	MPR (dB)
Frequency (MHz)				2582.01	2595	2604.99			
30	QPSK	1	1	17.47	17.54	17.51	18.9	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.61	2695	2691.49 <td></td> <td></td> <td></td>			
Channel				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.61	2695	2691.49 <td></td> <td></td> <td></td>			
15	QPSK	1	1	17.45	17.50	17.48	18.9	0.0	
Channel				514000	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675.02	2695	2691.86 <td></td> <td></td> <td></td>			
10	QPSK	1	1	17.49	17.54	17.48	18.9	0.0	

n38_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518002	519000	519996	2590.02	2595	2599.98
40	Pl/2 BPSK	1	1	15.44	15.41	15.37			
40	Pl/2 BPSK	1	53	15.32	15.45	15.31	16.7	0.0	
40	Pl/2 BPSK	1	104	15.40	15.35	15.43			
40	Pl/2 BPSK	50	0	15.46	15.30	15.44	16.7	0.0	
40	Pl/2 BPSK	50	28	15.38	15.30	15.42	16.7	0.0	
40	Pl/2 BPSK	50	56	15.34	15.37	15.43			
40	Pl/2 BPSK	100	0	15.44	15.31	15.53	16.7	0.0	
40	QPSK	1	1	15.53	15.64	15.58			
40	QPSK	1	53	15.42	15.52	15.27	16.7	0.0	
40	QPSK	1	104	15.40	15.39	15.34			
40	QPSK	50	0	15.45	15.39	15.37			
40	QPSK	50	28	15.46	15.54	15.52	16.7	0.0	
40	QPSK	50	56	15.34	15.37	15.44			
40	QPSK	100	0	15.40	15.47	15.26	16.7	0.0	
40	16QAM	1	1	15.48	15.27	15.39	16.7	0.0	
40	64QAM	1	1	15.37	15.34	15.52	16.7	0.0	
40	256QAM	1	1	15.39	15.31	15.45	16.7	0.0	
Channel									
Frequency (MHz)				517002	519000	520998			
30	QPSK	1	1	2582.01	2595	2604.99			
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.50	15.50	15.48	16.7	0.0	
Channel									
Frequency (MHz)				517002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2577.51	2586	2612.49	16.7	0.0	
Channel									
Frequency (MHz)				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.40	15.54	15.54	16.7	0.0	

n38_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	159004	2590	519996			
40	PI2 BPSK	1	53	17.86	17.89	17.92	19.2	0.0	
40	PI2 BPSK	1	104	17.77	17.88	17.87			
40	PI2 BPSK	50	0	17.90	17.89	17.86	19.2	0.0	
40	PI2 BPSK	50	28	17.79	17.88	17.91	19.2	0.0	
40	PI2 BPSK	50	56	17.84	17.89	17.91	19.2	0.0	
40	PI2 BPSK	100	0	17.82	17.91	17.83			
40	QPSK	1	1	17.91	17.95	17.91			
40	QPSK	1	53	17.87	17.92	17.85	19.2	0.0	
40	QPSK	1	104	17.77	17.91	17.87			
40	QPSK	50	0	17.78	17.40	17.85			
40	QPSK	50	28	17.85	17.51	17.40	19.2	0.0	
40	QPSK	50	56	17.85	17.90	17.83			
40	QPSK	100	0	17.80	17.87	17.83	19.2	0.0	
40	16QAM	1	1	17.78	17.88	17.84	19.2	0.0	
40	64QAM	1	1	17.86	17.88	17.83	19.2	0.0	
40	256QAM	1	1	17.80	17.88	17.84	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	159000	519000	522000	Tune-up limit (dBm)	MPR (dB)	LTP (dB)
20	QPSK	1	1	17.83	17.85	17.85	19.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	159052	519000	522488	Tune-up limit (dBm)	MPR (dB)	LTP (dB)
15	QPSK	1	1	167571	526951	526124	Tune-up limit (dBm)	MPR (dB)	LTP (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.89	17.94	17.89	19.2	0.0	

FCC_n41_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	16.84	16.75	16.79			
100	PI2 BPSK	1	137	16.83	16.77	16.84	18.2		0.0
100	PI2 BPSK	1	271	16.73	16.82	16.77			
100	PI2 BPSK	135	0	16.76	16.80	16.73	18.2		0.0
100	PI2 BPSK	135	69	16.85	16.75	16.71	18.2		0.0
100	PI2 BPSK	135	138	16.74	16.81	16.83	18.2		0.0
100	PI2 BPSK	270	0	16.77	16.83	16.81			
100	QPSK	1	1	16.86	16.85	16.84			
100	QPSK	1	137	16.74	16.71	16.82	18.2		0.0
100	QPSK	1	271	16.78	16.83	16.78			
100	QPSK	135	0	16.77	16.76	16.77			
100	QPSK	135	69	16.75	16.85	16.80	18.2		0.0
100	QPSK	135	138	16.71	16.80	16.79			
100	QPSK	270	0	16.71	16.80	16.75	18.2		0.0
100	16QAM	1	1	16.78	16.75	16.72	18.2		0.0
100	64QAM	1	1	16.73	16.83	16.72	18.2		0.0
100	256QAM	1	1	16.74	16.78	16.83	18.2		0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.83	16.85	16.75	18.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.73	16.85	16.76	18.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.83	16.85	16.71	18.2		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.78	16.77	16.75	18.2		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.83	16.82	16.81	18.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.75	16.91	16.78	18.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.82	16.91	16.75	18.2		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.87	16.78	16.72	18.2		0.0

FCC_n41(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	PI2 BPSK	1	1	16.84	16.75	16.79			
100	PI2 BPSK	1	137	16.83	16.77	16.84	18.2	0.0	
100	PI2 BPSK	1	271	16.73	16.82	16.77			
100	PI2 BPSK	135	0	16.76	16.80	16.73	18.2	0.0	
100	PI2 BPSK	135	69	16.85	16.75	16.71	18.2	0.0	
100	PI2 BPSK	135	138	16.74	16.81	16.83	18.2	0.0	
100	PI2 BPSK	270	0	16.77	16.83	16.81			
100	QPSK	1	1	16.86	16.85	16.84			
100	QPSK	1	137	16.74	16.71	16.82	18.2	0.0	
100	QPSK	1	271	16.78	16.83	16.78			
100	QPSK	135	0	16.77	16.76	16.77			
100	QPSK	135	69	16.75	16.85	16.80	18.2	0.0	
100	QPSK	135	138	16.71	16.80	16.79			
100	QPSK	270	0	16.71	16.80	16.75	18.2	0.0	
100	16QAM	1	1	16.78	16.75	16.72	18.2	0.0	
100	64QAM	1	1	16.73	16.83	16.72	18.2	0.0	
100	256QAM	1	1	16.74	16.78	16.83	18.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.83	16.85	16.75	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.73	16.85	16.76	18.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.83	16.85	16.71	18.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.78	16.77	16.75	18.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.83	16.82	16.81	18.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.75	16.91	16.78	18.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.82	16.91	16.75	18.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.87	16.73	16.72	18.2	0.0	

FCC_n41(HPUE)_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506020	518998	530000			
100	Pl2 BPSK	1	1	14.50	14.50	14.50			
100	Pl2 BPSK	1	137	14.55	14.52	14.47	15.8	0.0	
100	Pl2 BPSK	1	271	14.59	14.57	14.58			
100	Pl2 BPSK	135	0	14.51	14.49	14.51	15.8	0.0	
100	Pl2 BPSK	135	69	14.58	14.47	14.55	15.8	0.0	
100	Pl2 BPSK	135	138	14.59	14.56	14.51	15.8	0.0	
100	Pl2 BPSK	270	0	14.51	14.53	14.56			
100	QPSK	1	1	14.58	14.60	14.65			
100	QPSK	1	137	14.48	14.47	14.49	15.8	0.0	
100	QPSK	1	271	14.51	14.55	14.48			
100	QPSK	135	0	14.51	14.43	14.49			
100	QPSK	135	69	14.57	14.54	14.51	15.8	0.0	
100	QPSK	135	138	14.49	14.50	14.49			
100	QPSK	270	0	14.47	14.51	14.46	15.8	0.0	
100	16QAM	1	1	14.49	14.47	14.47	15.8	0.0	
100	64QAM	1	1	14.53	14.54	14.50	15.8	0.0	
100	256QAM	1	1	14.57	14.51	14.47	15.8	0.0	
Channel									
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	14.44	14.49	14.53	15.8	0.0	
Channel									
Frequency (MHz)				2541	2592.99	2640.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	14.46	14.47	14.48	15.8	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	14.57	14.45	14.63	15.8	0.0	
Channel									
Frequency (MHz)				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	14.49	14.53	14.54	15.8	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	14.55	14.53	14.53	15.8	0.0	
Channel									
Frequency (MHz)				503020	518998	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	14.47	14.55	14.60	15.8	0.0	
Channel									
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	14.45	14.55	14.61	15.8	0.0	
Channel									
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	14.43	14.59	14.59	15.8	0.0	

FCC_n41_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2592.02	5189.98	5289.90	25.41		
100	Pl2 BPSK	1	1	16.82	16.81	16.50	17.6	0.0	
100	Pl2 BPSK	1	137	16.49	16.48	16.53			
100	Pl2 BPSK	1	271	16.58	16.49	16.53			
100	Pl2 BPSK	135	0	16.56	16.49	16.56	17.6	0.0	
100	Pl2 BPSK	135	69	16.55	16.57	16.62	17.6	0.0	
100	Pl2 BPSK	135	138	16.50	16.53	16.50	17.6	0.0	
100	Pl2 BPSK	270	0	16.50	16.49	16.60			
100	QPSK	1	1	16.63	16.67	16.55			
100	QPSK	1	137	16.60	16.57	16.55	17.6	0.0	
100	QPSK	1	271	16.59	16.52	16.49			
100	QPSK	135	0	16.56	16.60	16.46			
100	QPSK	135	69	16.56	16.63	16.74	17.6	0.0	
100	QPSK	135	138	16.50	16.61	16.53			
100	QPSK	270	0	16.52	16.58	16.53			
100	16QAM	1	1	16.81	16.59	16.60	17.6	0.0	
100	64QAM	1	1	16.81	16.60	16.50	17.6	0.0	
100	256QAM	1	1	16.60	16.59	16.62	17.6	0.0	
Channel									
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.60	16.63	16.45	17.6	0.0	
Channel									
Frequency (MHz)				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.50	16.57	16.49	17.6	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.49	16.65	16.55	17.6	0.0	
Channel									
Frequency (MHz)				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.59	16.66	16.53	17.6	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.48	16.66	16.52	17.6	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.50	16.61	16.50	17.6	0.0	
Channel									
Frequency (MHz)				2516.01	2592.99	2674.59	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.57	16.64	16.46	17.6	0.0	
Channel									
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.55	16.53	16.46	17.6	0.0	

FCC_n41(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 (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				508202	518998	530000			
100	Pl2 BPSK	1	1	16.82	16.81	16.50	17.6	0.0	
100	Pl2 BPSK	1	137	16.49	16.48	16.53			
100	Pl2 BPSK	1	271	16.58	16.49	16.53			
100	Pl2 BPSK	135	0	16.56	16.49	16.56	17.6	0.0	
100	Pl2 BPSK	135	69	16.55	16.57	16.62			
100	Pl2 BPSK	135	138	16.50	16.53	16.50			
100	Pl2 BPSK	270	0	16.50	16.49	16.60	17.6	0.0	
100	QPSK	1	1	16.63	16.67	16.55			
100	QPSK	1	137	16.60	16.57	16.55			
100	QPSK	1	271	16.59	16.52	16.49	17.6	0.0	
100	QPSK	135	0	16.56	16.60	16.46			
100	QPSK	135	69	16.56	16.63	16.74			
100	QPSK	135	138	16.50	16.61	16.53	17.6	0.0	
100	QPSK	270	0	16.52	16.58	16.53			
100	16QAM	1	1	16.81	16.59	16.60			
100	64QAM	1	1	16.81	16.60	16.50	17.6	0.0	
100	256QAM	1	1	16.60	16.59	16.62			
Channel									
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.63	16.60	16.44	17.6	0.0	
Channel									
Frequency (MHz)				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.50	16.57	16.49	17.6	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.49	16.65	16.55	17.6	0.0	
Channel									
Frequency (MHz)				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.59	16.66	16.53	17.6	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.48	16.66	16.52	17.6	0.0	
Channel									
Frequency (MHz)				503202	518998	530000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.56	16.61	16.50	17.6	0.0	
Channel									
Frequency (MHz)				2511.01	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.57	16.64	16.46	17.6	0.0	
Channel									
Frequency (MHz)				507205	518998	529999	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.55	16.53	16.46	17.6	0.0	

Part27Q_n77_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)				633332			3499.98		
100	Pl2 BPSK	1	1	13.17			14.5	0.0	
100	Pl2 BPSK	1	137	13.12					
100	Pl2 BPSK	1	271	13.12			14.5	0.0	
100	Pl2 BPSK	135	0	13.19					
100	Pl2 BPSK	135	69	13.10			14.5	0.0	
100	Pl2 BPSK	135	138	13.10			14.5	0.0	
100	Pl2 BPSK	270	0	13.17					
100	QPSK	1	1	13.20			14.5	0.0	
100	QPSK	1	137	13.12					
100	QPSK	1	271	13.18			14.5	0.0	
100	QPSK	135	0	13.10					
100	QPSK	135	69	13.13			14.5	0.0	
100	QPSK	135	138	13.05					
100	QPSK	270	0	13.08			14.5	0.0	
100	16QAM	1	1	13.17			14.5	0.0	
100	64QAM	1	1	13.15			14.5	0.0	
100	256QAM	1	1	13.15			14.5	0.0	
Channel									
Frequency (MHz)				633000			633666		
80	QPSK	1	1	13.07	13.19	13.13	14.5	0.0	
Channel									
Frequency (MHz)				632668			633000		
80	QPSK	1	1	13.15	13.11	13.15	14.5	0.0	
Channel									
Frequency (MHz)				632000			633332		
70	QPSK	1	1	13.19	13.15	13.10	14.5	0.0	
Channel									
Frequency (MHz)				631668			633000		
60	QPSK	1	1	13.12	13.09	13.17	14.5	0.0	
Channel									
Frequency (MHz)				631000			633332		
50	QPSK	1	1	13.09	13.14	13.07	14.5	0.0	
Channel									
Frequency (MHz)				631334			633332		
40	QPSK	1	1	13.14	13.15	13.13	14.5	0.0	
Channel									
Frequency (MHz)				631000			633332		
30	QPSK	1	1	13.14	13.18	13.10	14.5	0.0	
Channel									
Frequency (MHz)				630668			633332		
20	QPSK	1	1	13.11	13.09	13.05	14.5	0.0	

Part27Q_n77_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				650000			650000		
Frequency (MHz)				650000			650000		
100	Pl2 BPSK	1	1	13.02	13.04	13.05	14.5	0.0	
100	Pl2 BPSK	1	137	13.02	13.06	13.04			
100	Pl2 BPSK	1	271	13.02	13.04	12.93	14.5	0.0	
100	Pl2 BPSK	135	0	13.06	13.07	13.06			
100	Pl2 BPSK	135	69	12.90	13.05	13.00	14.5	0.0	
100	Pl2 BPSK	135	138	13.01	13.07	13.03	14.5	0.0	
100	Pl2 BPSK	270	0	12.96	13.08	12.96			
100	QPSK	1	1	12.98	13.08	12.95	14.5	0.0	
100	QPSK	1	137	12.93	13.07	12.92			
100	QPSK	1	271	12.97	13.04	12.95	14.5	0.0	
100	QPSK	135	0	12.85	12.98	12.83			
100	QPSK	135	69	12.88	13.05	12.87	14.5	0.0	
100	QPSK	135	138	12.87	12.92	12.77			
100	QPSK	270	0	12.87	13.02	12.90	14.5	0.0	
100	16QAM	1	1	12.92	13.04	12.97	14.5	0.0	
100	64QAM	1	1	13.01	13.07	12.93	14.5	0.0	
100	256QAM	1	1	12.98	13.02	12.99	14.5	0.0	
Channel				649668			649332		
Frequency (MHz)				3745.62			3840.39		
80	QPSK	1	1	12.85	13.01	12.84	14.5	0.0	
Channel				649334			650000		
Frequency (MHz)				3740.01			3840.39		
80	QPSK	1	1	12.85	13.01	12.84	14.5	0.0	
Channel				648999			650000		
70	QPSK	1	1	12.85	12.94	12.89	14.5	0.0	
Channel				648668			650000		
70	QPSK	1	1	12.85	12.94	12.89	14.5	0.0	
Channel				648334			650000		
60	QPSK	1	1	12.97	13.06	12.89	14.5	0.0	
Channel				648000			650000		
60	QPSK	1	1	12.92	13.01	12.95	14.5	0.0	
Channel				647668			650000		
40	QPSK	1	1	12.96	13.06	12.87	14.5	0.0	
Channel				647334			650000		
40	QPSK	1	1	12.96	13.06	12.87	14.5	0.0	
Channel				3715.02			3840.39		
30	QPSK	1	1	12.86	13.00	12.95	14.5	0.0	
Channel				647334			649668		
30	QPSK	1	1	12.86	13.00	12.95	14.5	0.0	
Channel				3710.01			3840.39		
20	QPSK	1	1	12.87	13.02	12.98	14.5	0.0	

Part27Q_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332			3499.98		
100	Pl2 BPSK	1	1	15.71			16.9	0.0	
100	Pl2 BPSK	1	137	15.68					
100	Pl2 BPSK	1	271	15.65			16.9	0.0	
100	Pl2 BPSK	135	0	15.64					
100	Pl2 BPSK	135	69	15.65			16.9	0.0	
100	Pl2 BPSK	135	138	15.69			16.9	0.0	
100	Pl2 BPSK	270	0	15.69					
100	QPSK	1	1	15.72			16.9	0.0	
100	QPSK	1	137	15.51					
100	QPSK	1	271	15.62			16.9	0.0	
100	QPSK	135	0	15.67					
100	QPSK	135	69	15.70			16.9	0.0	
100	QPSK	135	138	15.60					
100	QPSK	270	0	15.66			16.9	0.0	
100	16QAM	1	1	15.64			16.9	0.0	
100	64QAM	1	1	15.48			16.9	0.0	
100	256QAM	1	1	15.67			16.9	0.0	
Channel									
Frequency (MHz)				633000			633666		
80	QPSK	1	1	15.59	15.69	15.69	16.9	0.0	
Channel									
Frequency (MHz)				632668			633000		
80	QPSK	1	1	15.64	15.66	15.64	16.9	0.0	
Channel									
Frequency (MHz)				632000			633332		
70	QPSK	1	1	15.60	15.64	15.65	16.9	0.0	
Channel									
Frequency (MHz)				631668			633000		
60	QPSK	1	1	15.61	15.58	15.67	16.9	0.0	
Channel									
Frequency (MHz)				631000			633332		
50	QPSK	1	1	15.65	15.60	15.64	16.9	0.0	
Channel									
Frequency (MHz)				631334			633332		
40	QPSK	1	1	15.68	15.70	15.62	16.9	0.0	
Channel									
Frequency (MHz)				631000			633332		
30	QPSK	1	1	15.59	15.68	15.65	16.9	0.0	
Channel									
Frequency (MHz)				630668			633332		
20	QPSK	1	1	15.62	15.59	15.70	16.9	0.0	

Part270_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	650000	660000	3750	3840	3930
100	Pl2 BPSK	1	1	15.84	15.84	15.86			
100	Pl2 BPSK	1	137	15.84	15.85	15.87	16.9	0.0	
100	Pl2 BPSK	1	271	15.84	15.82	15.88			
100	Pl2 BPSK	135	0	15.84	15.85	15.89	16.9	0.0	
100	Pl2 BPSK	135	69	15.83	15.90	15.87			
100	Pl2 BPSK	135	138	15.88	15.86	15.84	16.9	0.0	
100	Pl2 BPSK	270	0	15.89	15.85	15.89			
100	QPSK	1	1	15.90	15.91	15.91			
100	QPSK	1	137	15.72	15.87	15.82	16.9	0.0	
100	QPSK	1	271	15.86	15.81	15.86			
100	QPSK	135	0	15.73	15.78	15.83			
100	QPSK	135	69	15.71	15.97	15.85	16.9	0.0	
100	QPSK	135	138	15.73	15.80	15.83			
100	QPSK	270	0	15.73	15.79	15.72	16.9	0.0	
100	16QAM	1	1	15.84	15.89	15.90	16.9	0.0	
100	64QAM	1	1	15.95	15.76	15.62	16.9	0.0	
100	256QAM	1	1	15.68	15.84	15.84	16.9	0.0	
Channel									
Frequency (MHz)				649668	650000	662332	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	15.17	15.76	15.76	15.9	0.0	
Channel									
Frequency (MHz)				648334	650000	662666	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	15.78	15.77	15.85	16.9	0.0	
Channel									
Frequency (MHz)				648000	650000	663000	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	15.75	15.82	15.81	16.9	0.0	
Channel									
Frequency (MHz)				648334	650000	663332	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	15.85	15.80	15.73	16.9	0.0	
Channel									
Frequency (MHz)				648334	650000	663666	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	15.49	15.76	15.77	15.9	0.0	
Channel									
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	15.77	15.76	15.83	16.9	0.0	
Channel									
Frequency (MHz)				647668	650000	664332	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	15.87	15.83	15.81	16.9	0.0	
Channel									
Frequency (MHz)				647334	650000	664666	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	15.55	15.76	15.73	15.9	0.0	

Part27Q_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63900	633332	34998			
100	Pl2 BPSK	1	1		17.32				
100	Pl2 BPSK	1	137		17.20		19.2	0.0	
100	Pl2 BPSK	1	271		17.29				
100	Pl2 BPSK	135	0		17.32		19.2	0.0	
100	Pl2 BPSK	135	69		17.37		19.2	0.0	
100	Pl2 BPSK	135	138		17.31		19.2	0.0	
100	Pl2 BPSK	270	0		17.29				
100	QPSK	1	1		17.39				
100	QPSK	1	137		17.34		19.2	0.0	
100	QPSK	1	271		17.36				
100	QPSK	135	0		17.30		19.2	0.0	
100	QPSK	135	69		17.36				
100	QPSK	135	138		17.38				
100	QPSK	270	0		17.32		19.2	0.0	
100	16QAM	1	1		17.20		19.2	0.0	
100	64QAM	1	1		17.35		19.2	0.0	
100	256QAM	1	1		17.33		19.2	0.0	
Channel									
Frequency (MHz)				639000	633332	633666	Tune-up limit (dBm)	MPR	(dB)
90	QPSK	1	1		17.29	17.34	17.38	19.2	0.0
Channel									
Frequency (MHz)				638668	633332	633000	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1		17.33	17.36	17.29	19.2	0.0
Channel									
Frequency (MHz)				638334	633332	632666	Tune-up limit (dBm)	MPR	(dB)
70	QPSK	1	1		17.28	17.33	17.36	19.2	0.0
Channel									
Frequency (MHz)				638000	633332	632332	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1		17.29	17.35	17.33	19.2	0.0
Channel									
Frequency (MHz)				637668	633332	632000	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1		17.27	17.36	17.27	19.2	0.0
Channel									
Frequency (MHz)				637334	633332	631666	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1		17.28	17.32	17.28	19.2	0.0
Channel									
Frequency (MHz)				637000	633332	631332	Tune-up limit (dBm)	MPR	(dB)
30	QPSK	1	1		17.37	17.34	17.31	19.2	0.0
Channel									
Frequency (MHz)				636668	633332	631000	Tune-up limit (dBm)	MPR	(dB)
20	QPSK	1	1		17.26	17.30	17.27	19.2	0.0

Part270_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	650000	665000			
100	Pl2 BPSK	1	1	17.34	17.39	17.31			
100	Pl2 BPSK	1	137	17.41	17.33	17.36		19.2	0.0
100	Pl2 BPSK	1	271	17.39	17.41	17.39			
100	Pl2 BPSK	135	0	17.38	17.38	17.39		19.2	0.0
100	Pl2 BPSK	135	69	17.39	17.38	17.46		19.2	0.0
100	Pl2 BPSK	135	138	17.29	17.43	17.35		19.2	0.0
100	Pl2 BPSK	270	0	17.25	17.44	17.42			
100	QPSK	1	1	17.35	17.54	17.41			
100	QPSK	1	137	17.35	17.41	17.41		19.2	0.0
100	QPSK	1	271	17.40	17.37	17.35			
100	QPSK	135	0	17.35	17.44	17.32			
100	QPSK	135	69	17.41	17.46	17.41		19.2	0.0
100	QPSK	135	138	17.41	17.39	17.24			
100	QPSK	270	0	17.35	17.40	17.30		19.2	0.0
100	16QAM	1	1	17.44	17.46	17.44		19.2	0.0
100	64QAM	1	1	17.30	17.38	17.45		19.2	0.0
100	256QAM	1	1	17.38	17.40	17.36		19.2	0.0
Channel									
Frequency (MHz)				649668	650000	662332		Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.50	17.46	17.53		19.2	0.0
Channel									
Frequency (MHz)				648334	650000	662666		Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.45	17.39	17.32		19.2	0.0
Channel									
Frequency (MHz)				648000	650000	663000		Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	17.47	17.48	17.52		19.2	0.0
Channel									
Frequency (MHz)				647668	650000	663332		Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.51	17.40	17.35		19.2	0.0
Channel									
Frequency (MHz)				648334	650000	663666		Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.41	17.43	17.40		19.2	0.0
Channel									
Frequency (MHz)				648000	650000	664000		Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.45	17.47	17.40		19.2	0.0
Channel									
Frequency (MHz)				647668	650000	664332		Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.40	17.44	17.40		19.2	0.0
Channel									
Frequency (MHz)				647334	650000	664666		Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.45	17.48	17.53		19.2	0.0

Part27Q_n77_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	16.00			17.7	0.0	
100	Pl2 BPSK	1	137	16.04					
100	Pl2 BPSK	1	271	15.99			17.7	0.0	
100	Pl2 BPSK	135	0	15.99					
100	Pl2 BPSK	135	69	16.11			17.7	0.0	
100	Pl2 BPSK	135	138	16.01			17.7	0.0	
100	Pl2 BPSK	270	0	16.11					
100	QPSK	1	1	16.20			17.7	0.0	
100	QPSK	1	137	16.12					
100	QPSK	1	271	16.16			17.7	0.0	
100	QPSK	135	0	16.06					
100	QPSK	135	69	16.06			17.7	0.0	
100	QPSK	135	138	16.01					
100	QPSK	270	0	16.04			17.7	0.0	
100	16QAM	1	1	15.97			17.7	0.0	
100	64QAM	1	1	15.91			17.7	0.0	
100	256QAM	1	1	15.82			17.7	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	16.09	16.05	16.07	17.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	16.16	16.14	16.14	17.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	16.13	16.13	16.15	17.7	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	16.10	16.19	16.16	17.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	16.16	16.15	16.14	17.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	16.12	16.12	16.10	17.7	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	16.18	16.10	16.07	17.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.15	16.10	16.15	17.7	0.0	

Part27Q_n77_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3840			
Frequency (MHz)									
100	Pl2 BPSK	1	1	16.26	16.33	16.14	17.7	0.0	
100	Pl2 BPSK	1	137	16.14	16.32	16.26			
100	Pl2 BPSK	1	271	16.09	16.21	16.09	17.7	0.0	
100	Pl2 BPSK	135	0	16.13	16.18	16.25			
100	Pl2 BPSK	135	69	16.25	16.28	16.19	17.7	0.0	
100	Pl2 BPSK	135	138	16.10	16.24	16.23	17.7	0.0	
100	Pl2 BPSK	270	0	16.25	16.28	16.16			
100	QPSK	1	1	16.31	16.38	16.36	17.7	0.0	
100	QPSK	1	137	16.21	16.34	16.26			
100	QPSK	1	271	16.30	16.38	16.33	17.7	0.0	
100	QPSK	135	0	16.23	16.25	16.19			
100	QPSK	135	69	16.27	16.31	16.25	17.7	0.0	
100	QPSK	135	138	16.26	16.31	16.20			
100	QPSK	270	0	16.15	16.30	16.21	17.7	0.0	
100	16QAM	1	1	16.07	16.13	16.03	17.7	0.0	
100	64QAM	1	1	16.06	16.06	16.04	17.7	0.0	
100	256QAM	1	1	16.01	16.07	16.01	17.7	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3740	3741.98	(dBm)	(dB)	
80	QPSK	1	1	16.24	16.35	16.33	17.7	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3859.98	(dBm)	(dB)	
80	QPSK	1	1	16.28	16.23	16.28	17.7	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	16.19	16.37	16.32	17.7	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3732.01	3840	3954.98	(dBm)	(dB)	
60	QPSK	1	1	16.27	16.34	16.24	17.7	0.0	
Channel				648334	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3729	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	16.22	16.31	16.32	17.7	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3984.98	(dBm)	(dB)	
30	QPSK	1	1	16.25	16.25	16.26	17.7	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3989.98	(dBm)	(dB)	
20	QPSK	1	1	16.19	16.27	16.37	17.7	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				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	15.58			16.6	0.0	
100	Pl2 BPSK	1	137	15.48					
100	Pl2 BPSK	1	271	15.48			16.6	0.0	
100	Pl2 BPSK	135	0	15.55					
100	Pl2 BPSK	135	69	15.48			16.6	0.0	
100	Pl2 BPSK	135	138	15.48			16.6	0.0	
100	Pl2 BPSK	270	0	15.61					
100	QPSK	1	1	15.62			16.6	0.0	
100	QPSK	1	137	15.60					
100	QPSK	1	271	15.60			16.6	0.0	
100	QPSK	135	0	15.46					
100	QPSK	135	69	15.56			16.6	0.0	
100	QPSK	135	138	15.50					
100	QPSK	270	0	15.51			16.6	0.0	
100	16QAM	1	1	15.52			16.6	0.0	
100	64QAM	1	1	15.54			16.6	0.0	
100	256QAM	1	1	15.50			16.6	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	15.59	15.56	15.47	16.6	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	15.49	15.50	15.56	16.6	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	15.54	15.59	15.49	16.6	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	15.61	15.57	15.57	16.6	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	15.54	15.55	15.58	16.6	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	15.52	15.55	15.53	16.6	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	15.52	15.53	15.57	16.6	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.00	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	15.47	15.51	15.55	16.6	0.0	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	17.8	0.0	
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1	15.98			17.8	0.0	
100	Pi/2 BPSK	1	137	15.96					
100	Pi/2 BPSK	1	271	16.03					
100	Pi/2 BPSK	135	0	15.95			17.8	0.0	
100	Pi/2 BPSK	135	69	15.93			17.8	0.0	
100	Pi/2 BPSK	135	138	15.92			17.8	0.0	
100	Pi/2 BPSK	270	0	15.90			17.8	0.0	
100	QPSK	1	1	16.10					
100	QPSK	1	137	16.02					
100	QPSK	1	271	16.04			17.8	0.0	
100	QPSK	135	0	16.01					
100	QPSK	135	69	16.06					
100	QPSK	135	138	16.04			17.8	0.0	
100	QPSK	270	0	15.98					
100	16QAM	1	1	15.84			17.8	0.0	
100	64QAM	1	1	15.85			17.8	0.0	
100	256QAM	1	1	16.01			17.8	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	16.04	16.08	16.08	17.8	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3503.90	(dBm)	(dB)	
80	QPSK	1	1	15.99	15.96	16.06	17.8	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	16.05	16.08	15.96	17.8	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	15.98	16.01	15.98	17.8	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	16.09	15.96	16.03	17.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	16.03	16.04	15.96	17.8	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	15.95	16.04	16.03	17.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	15.99	16.05	16.03	17.8	0.0	

Part27O_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649668		650000	17.8	0.0	
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	16.06			17.8	0.0	
100	Pi/2 BPSK	1	137	16.15					
100	Pi/2 BPSK	1	271	16.15					
100	Pi/2 BPSK	135	0	16.17			17.8	0.0	
100	Pi/2 BPSK	135	69	16.00			17.8	0.0	
100	Pi/2 BPSK	135	138	16.04			17.8	0.0	
100	Pi/2 BPSK	270	0	16.13			17.8	0.0	
100	QPSK	1	1	16.38					
100	QPSK	1	137	16.35					
100	QPSK	1	271	16.37			17.8	0.0	
100	QPSK	135	0	16.26					
100	QPSK	135	69	16.25					
100	QPSK	135	138	16.17			17.8	0.0	
100	QPSK	270	0	16.12					
100	16QAM	1	1	16.01			17.8	0.0	
100	64QAM	1	1	15.96			17.8	0.0	
100	256QAM	1	1	16.26			17.8	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	16.12	16.30	16.23	17.8	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1	16.37	16.36	16.32	17.8	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	16.33	16.27	16.35	17.8	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3728.02	3750	3761.98	(dBm)	(dB)	
60	QPSK	1	1	16.30	16.33	16.35	17.8	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1	16.35	16.37	16.26	17.8	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	16.33	16.29	16.24	17.8	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	16.27	16.23	16.23	17.8	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	1	16.30	16.28	16.38	17.8	0.0	

Part27Q_n78(HPUE)_Ant 8									
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				633332		3499.98	17.8	0.0	
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1	15.98			17.8	0.0	
100	Pi/2 BPSK	1	137	15.96					
100	Pi/2 BPSK	1	271	16.03					
100	Pi/2 BPSK	135	0	15.95			17.8	0.0	
100	Pi/2 BPSK	135	69	15.93			17.8	0.0	
100	Pi/2 BPSK	135	138	15.92			17.8	0.0	
100	Pi/2 BPSK	270	0	15.90			17.8	0.0	
100	QPSK	1	1	16.10					
100	QPSK	1	137	16.02					
100	QPSK	1	271	16.04			17.8	0.0	
100	QPSK	135	0	16.01					
100	QPSK	135	69	16.06					
100	QPSK	135	138	16.04			17.8	0.0	
100	QPSK	270	0	15.98					
100	16QAM	1	1	15.84			17.8	0.0	
100	64QAM	1	1	15.85			17.8	0.0	
100	256QAM	1	1	16.01			17.8	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		
80	QPSK	1	1	16.04	16.08	16.08	17.8	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3503.90	(dBm)		
80	QPSK	1	1	15.99	15.96	16.06	17.8	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1	16.05	16.08	15.96	17.8	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)		
60	QPSK	1	1	15.98	16.01	15.98	17.8	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525.98	(dBm)		
50	QPSK	1	1	16.09	15.96	16.03	17.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		
40	QPSK	1	1	16.03	16.04	15.96	17.8	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		
30	QPSK	1	1	15.95	16.04	16.03	17.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.00	3499.98	3540.98	(dBm)		
20	QPSK	1	1	15.99	16.05	16.03	17.8	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power High Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	16.06				17.8	0.0
100	Pl2 BPSK	1	137	16.15					
100	Pl2 BPSK	1	271	16.15					
100	Pl2 BPSK	135	0	16.17				17.8	0.0
100	Pl2 BPSK	135	69	16.00				17.8	0.0
100	Pl2 BPSK	135	138	16.04				17.8	0.0
100	Pl2 BPSK	270	0	16.13				17.8	0.0
100	QPSK	1	1	16.38					
100	QPSK	1	137	16.35					
100	QPSK	1	271	16.37				17.8	0.0
100	QPSK	135	0	16.26					
100	QPSK	135	69	16.26					
100	QPSK	135	138	16.17				17.8	0.0
100	QPSK	270	0	16.12					
100	16QAM	1	1	16.01				17.8	0.0
100	48QAM	1	1	15.96				17.8	0.0
100	256QAM	1	1	16.26				17.8	0.0
Channel									
Frequency (MHz)									
648968									
3745.02									
80	QPSK	1	1	16.30	16.30	16.23		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
648334									
80	QPSK	1	1	16.37	16.36	16.32		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
648000									
80	QPSK	1	1	16.33	16.33	16.35		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
648668									
70	QPSK	1	1	16.33	16.27	16.35		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
648000									
60	QPSK	1	1	16.30	16.33	16.35		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
648334									
50	QPSK	1	1	16.35	16.37	16.26		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
648000									
40	QPSK	1	1	16.33	16.30	16.24		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
647334									
30	QPSK	1	1	16.27	16.23	16.23		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
647334									
20	QPSK	1	1	16.30	16.28	16.36		Tune-up limit (dBm)	MPR (dB)

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	19.28			20.8	0.0	
100	Pl2 BPSK	1	137	19.18					
100	Pl2 BPSK	1	271	19.18					
100	Pl2 BPSK	135	0	19.21			20.8	0.0	
100	Pl2 BPSK	135	69	19.17			20.8	0.0	
100	Pl2 BPSK	135	138	19.18			20.8	0.0	
100	Pl2 BPSK	270	0	19.24			20.8	0.0	
100	QPSK	1	1	19.28					
100	QPSK	1	137	19.18					
100	QPSK	1	271	19.14			20.8	0.0	
100	QPSK	135	0	19.20					
100	QPSK	135	69	19.25					
100	QPSK	135	138	19.15			20.3	0.5	
100	QPSK	270	0	19.16					
100	16QAM	1	1	19.11			19.8	1.0	
100	16QAM	1	1	19.20			20.3	0.5	
100	256QAM	1	1	19.23			20.3	0.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.23	633532	633686	20.8	0.0	MPR (dB)
	QPSK	1	1	3469	3469.98	3469.99	20.8	0.0	MPR (dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	633400	20.8	0.0	MPR (dB)
	QPSK	1	1	3460.02	3469.98	3510	20.8	0.0	MPR (dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	633686	20.8	0.0	MPR (dB)
	QPSK	1	1	19.21	19.16	19.13	20.8	0.0	MPR (dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	633600	20.8	0.0	MPR (dB)
	QPSK	1	1	3474.02	3469.98	3505	20.8	0.0	MPR (dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334	633332	633532	20.8	0.0	MPR (dB)
	QPSK	1	1	3470.01	3469.98	3524.98	20.8	0.0	MPR (dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633332	633600	20.8	0.0	MPR (dB)
	QPSK	1	1	3465	3469.98	3534.99	20.8	0.0	MPR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668	633332	633600	20.8	0.0	MPR (dB)
	QPSK	1	1	3460.02	3469.98	3540	20.8	0.0	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	630334	633332	633532	20.8	0.0	MPR (dB)
	QPSK	1	1	19.16	19.22	19.20	20.8	0.0	MPR (dB)

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750									
100	Pl2 BPSK	1	1	19.35			20.8	0.0	
100	Pl2 BPSK	1	137	19.32					
100	Pl2 BPSK	1	271	19.27					
100	Pl2 BPSK	135	0	19.35			20.8	0.0	
100	Pl2 BPSK	135	69	19.21			20.8	0.0	
100	Pl2 BPSK	135	138	19.29			20.8	0.0	
100	Pl2 BPSK	270	0	19.26			20.8	0.0	
100	QPSK	1	1	19.36					
100	QPSK	1	137	19.25					
100	QPSK	1	271	19.29			20.8	0.0	
100	QPSK	135	0	19.26					
100	QPSK	135	69	19.25					
100	QPSK	135	138	19.23			20.3	0.5	
100	QPSK	270	0	19.26					
100	16QAM	1	1	19.24			20.3	0.5	
100	64QAM	1	1	19.31			20.3	0.5	
100	256QAM	1	1	19.26			20.8	0.0	
Channel									
Frequency (MHz)									
648968									
3742.02									
80	QPSK	1	1	19.31	19.34	19.21	20.8	0.0	
Channel				648334	650000	650666	20.8	0.0	
Frequency (MHz)				3740.01	3750	3769.99	20.8	0.0	
80	QPSK	1	1	19.33	19.32	19.27	20.8	0.0	
Channel				649000	650000	651000	20.8	0.0	
Frequency (MHz)				3738.00	3750	3765	20.8	0.0	
80	QPSK	1	1	19.35	19.34	19.26	20.8	0.0	
Channel				648668	650000	651332	20.8	0.0	
Frequency (MHz)				3740.00	3750	3769.98	20.8	0.0	
60	QPSK	1	1	19.22	19.33	19.33	20.5	0.0	
Channel				648334	650000	651666	20.5	0.0	
Frequency (MHz)				3725.01	3750	3774.99	20.5	0.0	
50	QPSK	1	1	19.25	19.27	19.23	20.5	0.0	
Channel				648000	650000	652000	20.5	0.0	
Frequency (MHz)				3730	3750	3780	20.5	0.0	
40	QPSK	1	1	19.32	19.32	19.33	20.3	0.0	
Channel				647666	650000	652332	20.3	0.0	
Frequency (MHz)				37315.02	3750	3784.98	20.3	0.0	
30	QPSK	1	1	19.34	19.23	19.32	20.3	0.0	
Channel				647334	650000	652666	20.3	0.0	
Frequency (MHz)				3740.01	3750	3789.99	20.3	0.0	
20	QPSK	1	1	19.34	19.22	19.34	20.5	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power High Ch. / Freq.	Power Relax. Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			20.8	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	19.28			20.8	0.0	
100	Pl2 BPSK	1	137	19.18					
100	Pl2 BPSK	1	271	19.18			20.8	0.0	
100	Pl2 BPSK	135	0	19.21					
100	Pl2 BPSK	135	69	19.17			20.8	0.0	
100	Pl2 BPSK	135	138	19.18					
100	Pl2 BPSK	270	0	19.24			20.8	0.0	
100	QPSK	1	1	19.28					
100	QPSK	1	137	19.18			20.8	0.0	
100	QPSK	1	271	19.14					
100	QPSK	135	0	19.20			20.8	0.0	
100	QPSK	135	69	19.25					
100	QPSK	135	138	19.15			20.8	0.0	
100	QPSK	270	0	19.16					
100	16QAM	1	1	19.11			20.8	0.0	
100	16QAM	1	1	19.20					
100	256QAM	1	1	19.23			20.8	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	19.23	19.15	19.13	20.8	0.0	
Channel				632668	633332	634000	20.8	0.0	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	19.16	19.20	19.19	20.8	0.0	
Channel				632334	633332	634332	20.8	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	19.21	19.16	19.13	20.8	0.0	
Channel				632000	633332	634668	20.8	0.0	
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	19.13	19.24	19.18	20.8	0.0	
Channel				631668	633332	635000	20.8	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	19.13	19.21	19.23	20.8	0.0	
Channel				631334	633332	635332	20.8	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.16	19.25	19.19	20.8	0.0	
Channel				631000	633332	635668	20.8	0.0	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	19.25	19.23	19.24	20.8	0.0	
Channel				630668	633332	636000	20.8	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	19.16	19.22	19.22	20.8	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	19.35				20.8	0.0
100	Pl2 BPSK	1	137	19.32					
100	Pl2 BPSK	1	271	19.27				20.8	0.0
100	Pl2 BPSK	135	0	19.35					
100	Pl2 BPSK	135	69	19.21				20.8	0.0
100	Pl2 BPSK	135	138	19.29					
100	Pl2 BPSK	270	0	19.26				20.8	0.0
100	QPSK	1	1	19.38					
100	QPSK	1	137	19.25				20.8	0.0
100	QPSK	1	271	19.29					
100	QPSK	135	0	19.26				20.8	0.0
100	QPSK	135	69	19.25					
100	QPSK	135	138	19.23				20.8	0.0
100	QPSK	270	0	19.26					
100	16QAM	1	1	19.24				20.8	0.0
100	16QAM	1	1	19.31					
100	256QAM	1	1	19.26				20.8	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)		
Frequency (MHz)				3745.02	3750	3754.98	20.8	0.0	
80	QPSK	1	1	19.31	19.34	19.21		20.8	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)		
Frequency (MHz)				3740.01	3750	3759.98	20.8	0.0	
80	QPSK	1	1	19.33	19.32	19.27		20.8	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)		
Frequency (MHz)				3735	3750	3765	20.8	0.0	
70	QPSK	1	1	19.35	19.34	19.25		20.8	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)		
Frequency (MHz)				3730.02	3750	3763.98	20.8	0.0	
60	QPSK	1	1	19.22	19.33	19.33		20.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)		
Frequency (MHz)				3725.01	3750	3774.98	20.8	0.0	
50	QPSK	1	1	19.25	19.27	19.25		20.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)		
Frequency (MHz)				3720	3750	3780	20.8	0.0	
40	QPSK	1	1	19.32	19.32	19.33		20.8	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)		
Frequency (MHz)				3715.02	3750	3793.98	20.8	0.0	
30	QPSK	1	1	19.34	19.23	19.32		20.8	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)		
Frequency (MHz)				3710.01	3750	3799.98	20.8	0.0	
20	QPSK	1	1	19.34	19.22	19.34		20.8	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)		
Frequency (MHz)				3705.02	3750	3805.98	20.8	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				633332		3499.98	19.6	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	19.34			19.6	0.0	
100	Pl2 BPSK	1	137	19.36					
100	Pl2 BPSK	1	271	19.48			19.6	0.0	
100	Pl2 BPSK	135	0	19.23					
100	Pl2 BPSK	135	69	19.44			19.6	0.0	
100	Pl2 BPSK	135	138	19.40					
100	Pl2 BPSK	270	0	19.50			19.6	0.0	
100	QPSK	1	1	19.45					
100	QPSK	1	137	19.46			19.6	0.0	
100	QPSK	1	271	19.45					
100	QPSK	135	0	19.18			19.6	0.0	
100	QPSK	135	69	19.37					
100	QPSK	135	138	19.35			19.6	0.0	
100	QPSK	270	0	19.26					
100	16QAM	1	1	19.11			19.6	0.0	
100	16QAM	1	1	19.13					
100	256QAM	1	1	19.36			19.6	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	19.35	19.42	19.47	19.6	0.0	
Channel				632668	633332	634000	19.6	0.0	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	19.46	19.37	19.46	19.6	0.0	
Channel				632334	633332	634332	19.6	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	19.44	19.36	19.43	19.6	0.0	
Channel				632000	633332	634666	19.6	0.0	
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	19.42	19.38	19.41	19.6	0.0	
Channel				631668	633332	635000	19.6	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	19.42	19.39	19.41	19.6	0.0	
Channel				631334	633332	635332	19.6	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.34	19.39	19.39	19.6	0.0	
Channel				631000	633332	635666	19.6	0.0	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	19.42	19.39	19.48	19.6	0.0	
Channel				630668	633332	636000	19.6	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	19.48	19.48	19.35	19.6	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power Middle Ch. 1 Freq. 376000	Power High Ch. 1 Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1860	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.74	22.85	22.70	24.2	0.0	
20	Pl2 BPSK	1	53	22.85	22.94	22.90			
20	Pl2 BPSK	1	104	22.81	22.96	22.83			
20	Pl2 BPSK	50	0	22.43	22.45	22.39	23.7	0.5	
20	Pl2 BPSK	50	28	22.88	22.91	22.82	24.2	0.0	
20	Pl2 BPSK	50	56	22.33	22.46	22.34	23.7	0.5	
20	Pl2 BPSK	100	0	22.34	22.46	22.34			
20	QPSK	1	1	22.95	23.03	22.98			
20	QPSK	1	53	22.92	22.94	22.83	24.2	0.0	
20	QPSK	1	104	22.92	22.99	22.97	23.7	0.5	
20	QPSK	50	0	22.36	22.44	22.40			
20	QPSK	50	28	22.78	22.91	22.76		0.0	
20	QPSK	50	56	22.38	22.43	22.41	23.7	0.5	
20	QPSK	100	0	22.29	22.42	22.41			
20	16QAM	1	1	22.09	22.14	22.06	23.2	1.0	
20	64QAM	1	1	21.84	21.70	21.63	22.7	1.5	
20	256QAM	1	1	21.28	21.30	21.21	22.2	2.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1860	1902.5	(dBm)		
15	QPSK	1	1	22.87	22.92	22.97	24.2	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1860	1905	(dBm)		
10	QPSK	1	1	22.96	23.02	22.93	24.2	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1860	1907.5	(dBm)		
5	QPSK	1	1	22.89	23.02	22.92	24.2	0.0	

Reduced Power Mode for EC1 10									
n2_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power Middle Ch. 1 Freq. 376000	Power High Ch. 1 Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1860	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	16.37	16.32	16.40	17.7	0.0	
20	Pl2 BPSK	1	53	16.41	16.34	16.42			
20	Pl2 BPSK	1	104	16.30	16.23	16.33			
20	Pl2 BPSK	50	0	16.43	16.35	16.41	17.7	0.0	
20	Pl2 BPSK	50	28	16.37	16.38	16.26	17.7	0.0	
20	Pl2 BPSK	50	56	16.45	16.33	16.31	17.7	0.0	
20	Pl2 BPSK	100	0	16.34	16.37	16.45			
20	QPSK	1	1	16.35	16.45	16.41			
20	QPSK	1	53	16.23	16.28	16.27	17.7	0.0	
20	QPSK	1	104	16.36	16.36	16.34	17.7	0.0	
20	QPSK	50	0	16.27	16.27	16.28			
20	QPSK	50	28	16.33	16.42	16.30		0.0	
20	QPSK	50	56	16.24	16.34	16.30	17.7	0.0	
20	QPSK	100	0	16.31	16.36	16.28			
20	16QAM	1	1	16.36	16.29	16.35	17.7	0.0	
20	64QAM	1	1	16.31	16.30	16.38	17.7	0.0	
20	256QAM	1	1	16.37	16.44	16.36	17.7	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1860	1902.5	(dBm)		
15	QPSK	1	1	16.30	16.43	16.28	17.7	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1860	1905	(dBm)		
10	QPSK	1	1	16.39	16.43	16.33	17.7	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1860	1907.5	(dBm)		
5	QPSK	1	1	16.25	16.32	16.37	17.7	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166800	Power Middle Ch. 1 Freq. 167500	Power High Ch. 1 Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.66	23.92	23.79	25.3	0.0	
20	Pl2 BPSK	1	53	23.83	24.09	23.86			
20	Pl2 BPSK	1	104	23.94	23.93	23.77			
20	Pl2 BPSK	50	0	23.93	23.88	23.76	24.8	0.5	
20	Pl2 BPSK	50	28	24.02	24.07	23.85	25.3	0.0	
20	Pl2 BPSK	50	56	23.92	24.07	23.79	24.8	0.5	
20	Pl2 BPSK	100	0	23.99	23.99	23.92			
20	QPSK	1	1	24.06	24.14	24.05			
20	QPSK	1	53	24.07	24.08	23.95	25.3	0.0	
20	QPSK	1	104	24.00	24.00	24.02	24.8	0.5	
20	QPSK	50	0	24.01	23.98	23.95			
20	QPSK	50	28	24.05	24.06	24.00		0.0	
20	QPSK	50	56	23.97	24.00	23.94	24.8	0.5	
20	QPSK	100	0	23.97	23.99	23.95			
20	16QAM	1	1	23.69	23.75	23.60	24.3	1.0	
20	64QAM	1	1	23.29	23.32	23.18	23.8	1.5	
20	256QAM	1	1	22.91	22.94	22.81	23.3	2.0	
Channel				166300	167500	168500	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)		
15	QPSK	1	1	24.01	24.03	23.96	25.3	0.0	
Channel				165800	167500	168500	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)		
10	QPSK	1	1	24.04	24.12	23.94	25.3	0.0	
Channel				165300	167500	169000	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)		
5	QPSK	1	1	23.94	24.11	24.03	25.3	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	17.67	17.69	17.78			
20	PI2 BPSK	1	53	17.75	17.65	17.70	18.8	0.0	
20	PI2 BPSK	1	104	17.76	17.73	17.76			
20	PI2 BPSK	50	0	17.71	17.79	17.72	18.8	0.0	
20	PI2 BPSK	50	28	17.77	17.76	17.79	18.8	0.0	
20	PI2 BPSK	50	56	17.72	17.77	17.77	18.8	0.0	
20	PI2 BPSK	100	0	17.72	17.77	17.71	18.8	0.0	
20	QPSK	1	1	17.80	17.88	17.85			
20	QPSK	1	53	17.88	17.87	17.78	18.8	0.0	
20	QPSK	1	104	17.86	17.72	17.75			
20	QPSK	50	0	17.76	17.76	17.70	18.8	0.0	
20	QPSK	50	28	17.80	17.82	17.75	18.8	0.0	
20	QPSK	50	56	17.75	17.69	17.67	18.8	0.0	
20	QPSK	100	0	17.76	17.73	17.72	18.8	0.0	
20	16QAM	1	1	17.75	17.86	17.76	18.8	0.0	
20	64QAM	1	1	17.70	17.80	17.73	18.8	0.0	
20	256QAM	1	1	17.77	17.74	17.67	18.8	0.0	
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	17.76	17.76	17.72	18.8	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	17.74	17.73	17.81	18.8	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	17.79	17.78	17.72	18.8	0.0	

n7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	24.86	25.12	25.11			
40	PI2 BPSK	1	108	24.97	25.04	24.90	25.9	0.0	
40	PI2 BPSK	1	214	24.84	25.00	24.88			
40	PI2 BPSK	108	0	24.56	24.70	24.68	25.4	0.5	
40	PI2 BPSK	108	54	25.21	25.23	25.17	25.9	0.0	
40	PI2 BPSK	108	108	24.56	24.44	24.27	25.4	0.5	
40	PI2 BPSK	216	0	24.53	24.66	24.61			
40	QPSK	1	1	25.27	25.30	25.16			
40	QPSK	1	108	25.08	25.22	25.12	25.9	0.0	
40	QPSK	1	214	24.76	24.86	24.79			
40	QPSK	108	0	24.65	24.87	24.53	25.4	0.5	
40	QPSK	108	54	25.03	25.17	25.00	25.9	0.0	
40	QPSK	108	108	24.52	24.61	24.50	25.4	0.5	
40	QPSK	216	0	24.48	24.60	24.47			
40	16QAM	1	1	24.29	24.32	24.22	24.9	1.0	
40	64QAM	1	1	23.89	23.91	23.82	24.4	1.5	
40	256QAM	1	1	23.49	23.52	23.40	23.9	2.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	25.15	25.15	25.06	25.9	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	25.18	25.28	25.13	25.9	0.0	
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	25.26	25.15	25.01	25.9	0.0	
Channel				503500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	25.13	25.27	25.03	25.9	0.0	
Channel				504000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2566			
10	QPSK	1	1	25.21	25.19	25.09	25.9	0.0	
Channel				504500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	25.10	25.25	25.09	25.9	0.0	

n7_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 504000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	16.36	16.34	16.37			
40	PI2 BPSK	1	108	16.39	16.30	16.42	17.4	0.0	
40	PI2 BPSK	1	214	16.43	16.34	16.39			
40	PI2 BPSK	108	0	16.35	16.28	16.30	17.4	0.0	
40	PI2 BPSK	108	54	16.35	16.25	16.32	17.4	0.0	
40	PI2 BPSK	108	108	16.32	16.47	16.37	17.4	0.0	
40	PI2 BPSK	216	0	16.30	16.40	16.24			
40	QPSK	1	1	16.51	16.57	16.45			
40	QPSK	1	108	16.34	16.44	16.31	17.4	0.0	
40	QPSK	1	214	16.35	16.27	16.43			
40	QPSK	108	0	16.31	16.30	16.31	17.4	0.0	
40	QPSK	108	54	16.46	16.48	16.41	17.4	0.0	
40	QPSK	108	108	16.44	16.25	16.32	17.4	0.0	
40	QPSK	216	0	16.26	16.40	16.36			
40	16QAM	1	1	16.30	16.34	16.46	17.4	0.0	
40	64QAM	1	1	16.32	16.48	16.44	17.4	0.0	
40	256QAM	1	1	16.36	16.31	16.36	17.4	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.43	16.47	16.35	17.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.39	16.30	16.43	17.4	0.0	
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.40	16.44	16.33	17.4	0.0	
Channel				503500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.49	16.43	16.32	17.4	0.0	
Channel				504000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2566			
10	QPSK	1	1	16.41	16.44	16.31	17.4	0.0	
Channel				504500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.43	16.42	16.31	17.4	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 504000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	14.66	14.59	14.65			
40	Pl2 BPSK	1	108	14.58	14.61	14.63	16.0		
40	Pl2 BPSK	1	214	14.55	14.52	14.69			
40	Pl2 BPSK	108	0	14.61	14.51	14.63	16.0		
40	Pl2 BPSK	108	54	14.65	14.51	14.68	16.0		
40	Pl2 BPSK	108	108	14.59	14.56	14.70	16.0		
40	Pl2 BPSK	216	0	14.58	14.52	14.64			
40	QPSK	1	1	14.65	14.76	14.71			
40	QPSK	1	108	14.61	14.52	14.63	16.0		
40	QPSK	1	214	14.67	14.56	14.67			
40	QPSK	108	0	14.55	14.53	14.64	16.0		
40	QPSK	108	54	14.65	14.69	14.66	16.0		
40	QPSK	108	108	14.62	14.61	14.56	16.0		
40	QPSK	216	0	14.63	14.64	14.61			
40	16QAM	1	1	14.67	14.52	14.67	16.0		
40	64QAM	1	1	14.59	14.56	14.63	16.0		
40	256QAM	1	1	14.66	14.52	14.68	16.0		
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	14.65	14.58	14.66	16.0		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2537.5	(dBm)		
25	QPSK	1	1	14.58	14.65	14.61	16.0		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	14.55	14.62	14.63	16.0		
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	14.66	14.58	14.63	16.0		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	14.58	14.64	14.60	16.0		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	14.65	14.59	14.69	16.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 504000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	Pl2 BPSK	1	1	15.89	15.89	15.87			
40	Pl2 BPSK	1	108	15.92	15.89	15.89	17.5		
40	Pl2 BPSK	1	214	16.01	15.94	15.79			
40	Pl2 BPSK	108	0	15.93	15.95	15.82	17.5		
40	Pl2 BPSK	108	54	15.91	15.90	15.86	17.5		
40	Pl2 BPSK	108	108	15.96	15.86	15.86	17.5		
40	Pl2 BPSK	216	0	16.00	15.87	15.80			
40	QPSK	1	1	15.97	16.03	15.94			
40	QPSK	1	108	15.91	15.94	15.80	17.5		
40	QPSK	1	214	16.06	16.03	15.89			
40	QPSK	108	0	15.94	15.89	15.80	17.5		
40	QPSK	108	54	15.98	16.00	15.90	17.5		
40	QPSK	108	108	15.93	15.92	15.83			
40	QPSK	216	0	15.86	15.94	15.82	17.5		
40	16QAM	1	1	15.90	15.89	15.81	17.5		
40	64QAM	1	1	15.93	15.89	15.82	17.5		
40	256QAM	1	1	15.98	15.93	15.81	17.5		
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	15.93	15.88	15.79	17.5		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2537.5	(dBm)		
25	QPSK	1	1	15.95	15.88	15.49	17.5		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	15.89	15.86	15.89	17.5		
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	15.89	15.82	15.79	17.5		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	16.01	15.96	15.82	17.5		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	15.88	15.94	15.81	17.5		

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	22.49	22.64	22.56			
15	Pl2 BPSK	1	40	22.61	22.72	22.60	24.2		
15	Pl2 BPSK	1	77	22.61	22.73	22.60			
15	Pl2 BPSK	36	0	22.31	22.32	22.30	23.7		
15	Pl2 BPSK	36	22	22.73	22.80	22.79	24.2		
15	Pl2 BPSK	36	43	22.15	22.27	22.19	23.7		
15	Pl2 BPSK	75	0	22.26	22.32	22.20			
15	QPSK	1	1	22.81	22.82	22.74			
15	QPSK	1	40	22.63	22.72	22.71	24.2		
15	QPSK	1	77	22.71	22.77	22.72			
15	QPSK	36	0	22.34	22.38	22.35	23.7		
15	QPSK	36	22	22.75	22.76	22.70	24.2		
15	QPSK	36	43	22.21	22.25	22.11	23.7		
15	QPSK	75	0	22.06	22.23	22.22			
15	16QAM	1	1	21.93	21.98	21.87	23.2		
15	64QAM	1	1	21.44	21.48	21.48	22.7		
15	256QAM	1	1	21.04	21.18	21.08	22.2		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				706	707.5	711	(dBm)		
10	QPSK	1	1	22.75	22.77	22.59	24.2		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	711.5	(dBm)		
5	QPSK	1	1	22.68	22.71	22.69	24.2		

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 141300	Power Middle Ch. F. Freq. 141500	Power High Ch. F. Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	706.5	18.0	0.0	
Frequency (MHz)									
15	Pl2 BPSK	1	1	16.56	16.49	16.55			
15	Pl2 BPSK	1	40	16.52	16.54	16.45			
15	Pl2 BPSK	1	77	16.53	16.58	16.54	18.0	0.0	
15	Pl2 BPSK	36	0	16.56	16.55	16.44	18.0	0.0	
15	Pl2 BPSK	36	22	16.58	16.58	16.54	18.0	0.0	
15	Pl2 BPSK	36	43	16.53	16.48	16.57	18.0	0.0	
15	Pl2 BPSK	75	0	16.48	16.44	16.45	18.0	0.0	
15	QPSK	1	1	16.61	16.64	16.56	18.0	0.0	
15	QPSK	1	40	16.50	16.44	16.55			
15	QPSK	1	77	16.49	16.58	16.51			
15	QPSK	36	0	16.50	16.52	16.41			
15	QPSK	36	22	16.56	16.58	16.43	18.0	0.0	
15	QPSK	36	43	16.48	16.45	16.40	18.0	0.0	
15	QPSK	75	0	16.48	16.53	16.51	18.0	0.0	
15	16QAM	1	1	16.54	16.49	16.53	18.0	0.0	
15	64QAM	1	1	16.54	16.47	16.53	18.0	0.0	
20	256QAM	1	1	16.56	16.53	16.51	18.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	16.56	16.54	16.48	18.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				707.5	707.5	711.5	(dBm)	(dB)	
5	QPSK	1	1	16.53	16.54	16.51	18.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 164800	Power Middle Ch. F. Freq. 165300	Power High Ch. F. Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839	25.3	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.82	23.96	23.92			
20	Pl2 BPSK	1	53	23.83	23.97	24.05			
20	Pl2 BPSK	1	104	23.85	23.91	23.94	25.3	0.0	
20	Pl2 BPSK	50	0	23.99	23.97	24.05	25.3	0.0	
20	Pl2 BPSK	50	28	23.77	23.95	24.02	25.3	0.0	
20	Pl2 BPSK	50	56	24.01	24.11	23.97	25.3	0.0	
20	Pl2 BPSK	100	0	23.97	23.98	23.96	25.3	0.0	
20	QPSK	1	1	24.11	24.13	24.08	25.3	0.0	
20	QPSK	1	53	23.99	23.98	23.92			
20	QPSK	1	104	23.86	23.94	23.94			
20	QPSK	50	0	23.94	23.95	23.95			
20	QPSK	50	28	24.02	24.08	24.03	25.3	0.0	
20	QPSK	50	56	23.90	24.06	23.99	25.3	0.0	
20	QPSK	100	0	23.96	24.03	24.00	25.3	0.0	
20	16QAM	1	1	23.90	23.70	23.56	24.8	0.5	
20	64QAM	1	1	23.09	23.21	23.16	24.3	1.0	
20	256QAM	1	1	22.69	22.72	22.65	24.3	1.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.09	24.10	23.93	25.3	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	23.97	24.00	23.96	25.3	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.98	24.03	23.98	25.3	0.0	

n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq. 164800	Power Middle Ch. F. Freq. 165300	Power High Ch. F. Freq. 165800	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839	17.8	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	16.74	16.74	16.62			
20	Pl2 BPSK	1	53	16.72	16.69	16.62			
20	Pl2 BPSK	1	104	16.75	16.75	16.77	17.8	0.0	
20	Pl2 BPSK	50	0	16.81	16.75	16.65	17.8	0.0	
20	Pl2 BPSK	50	28	16.76	16.62	16.75	17.8	0.0	
20	Pl2 BPSK	50	56	16.65	16.69	16.76	17.8	0.0	
20	Pl2 BPSK	100	0	16.70	16.76	16.77	17.8	0.0	
20	QPSK	1	1	16.76	16.83	16.80	17.8	0.0	
20	QPSK	1	53	16.65	16.78	16.67			
20	QPSK	1	104	16.68	16.62	16.74			
20	QPSK	50	0	16.73	16.70	16.68			
20	QPSK	50	28	16.75	16.79	16.77	17.8	0.0	
20	QPSK	50	56	16.70	16.61	16.72	17.8	0.0	
20	QPSK	100	0	16.72	16.78	16.76	17.8	0.0	
20	16QAM	1	1	16.70	16.76	16.78	17.8	0.0	
20	64QAM	1	1	16.68	16.75	16.79	17.8	0.0	
20	256QAM	1	1	16.73	16.72	16.70	17.8	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	16.64	16.73	16.70	17.8	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	16.75	16.80	16.68	17.8	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	16.61	16.77	16.78	17.8	0.0	

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq 346000	Power Middle Ch. 1 Freq 349000	Power High Ch. 1 Freq 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	24.28	24.41	24.31	25.9	0.0	
40	Pl2 BPSK	1	108	24.43	24.52	24.42			
40	Pl2 BPSK	1	214	24.12	24.16	24.07			
40	Pl2 BPSK	108	0	24.04	24.06	23.96	25.4	0.5	
40	Pl2 BPSK	108	54	24.53	24.56	24.49	25.9	0.0	
40	Pl2 BPSK	108	108	23.92	23.94	23.90	25.4	0.5	
40	Pl2 BPSK	216	0	23.83	23.98	23.88			
40	QPSK	1	1	24.32	24.61	24.51			
40	QPSK	1	108	24.49	24.55	24.50	25.9	0.0	
40	QPSK	1	214	24.16	24.23	24.08	25.4	0.5	
40	QPSK	108	0	24.01	24.04	23.95			
40	QPSK	108	54	24.49	24.58	24.44		25.9	
40	QPSK	108	108	23.80	23.86	23.72	25.4	0.5	
40	QPSK	216	0	23.85	23.97	23.80	24.9	1.0	
40	16QAM	1	1	23.97	23.72	23.67			
40	64QAM	1	1	23.19	23.23	23.19	24.4	1.5	
40	256QAM	1	1	22.61	22.75	22.72	23.9	2.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	24.45	24.48	24.47	25.9	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	24.49	24.59	24.42	25.9	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.43	24.53	24.44	25.9	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.43	24.46	24.43	25.9	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	24.41	24.59	24.37	25.9	0.0	

n66_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq 346000	Power Middle Ch. 1 Freq 349000	Power High Ch. 1 Freq 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	16.11	16.23	15.88	17.5	0.0	
40	Pl2 BPSK	1	108	15.97	16.19	15.95			
40	Pl2 BPSK	1	214	16.08	16.21	16.01			
40	Pl2 BPSK	108	0	15.98	16.24	15.92	17.5	0.0	
40	Pl2 BPSK	108	54	16.22	16.08	15.84	17.5	0.0	
40	Pl2 BPSK	108	108	16.16	16.06	15.93	17.5	0.0	
40	Pl2 BPSK	216	0	16.17	16.19	15.83			
40	QPSK	1	1	16.32	16.26	15.95			
40	QPSK	1	108	16.10	16.08	15.84	17.5	0.0	
40	QPSK	1	214	15.99	16.03	15.86	17.5	0.0	
40	QPSK	108	0	16.15	16.06	15.87			
40	QPSK	108	54	16.20	16.25	15.91		17.5	
40	QPSK	108	108	16.05	16.07	15.82	17.5	0.0	
40	QPSK	216	0	16.06	16.16	15.90	17.5	0.0	
40	16QAM	1	1	15.95	16.13	15.88			
40	64QAM	1	1	15.99	16.05	15.95	17.5	0.0	
40	256QAM	1	1	16.03	16.04	15.88	17.5	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.13	16.22	15.87	17.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.11	16.19	15.81	17.5	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.18	16.20	15.83	17.5	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.12	16.26	15.92	17.5	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	16.12	16.23	15.86	17.5	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq 346000	Power Middle Ch. 1 Freq 349000	Power High Ch. 1 Freq 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	20.46	20.45	20.30	21.7	0.0	
40	Pl2 BPSK	1	108	20.29	20.44	20.41			
40	Pl2 BPSK	1	214	20.32	20.42	20.41			
40	Pl2 BPSK	108	0	20.34	20.22	20.29	21.7	0.0	
40	Pl2 BPSK	108	54	20.41	20.43	20.36	21.7	0.0	
40	Pl2 BPSK	108	108	20.37	20.32	20.27	21.7	0.0	
40	Pl2 BPSK	216	0	20.44	20.21	20.24			
40	QPSK	1	1	20.42	20.52	20.34			
40	QPSK	1	108	20.33	20.31	20.23	21.7	0.0	
40	QPSK	1	214	20.32	20.38	20.30	21.7	0.0	
40	QPSK	108	0	20.35	20.31	20.31			
40	QPSK	108	54	20.37	20.48	20.41		21.7	
40	QPSK	108	108	20.32	20.34	20.25	21.7	0.0	
40	QPSK	216	0	20.36	20.44	20.28	21.7	0.0	
40	16QAM	1	1	20.48	20.29	20.21			
40	64QAM	1	1	20.39	20.32	20.37	21.7	0.0	
40	256QAM	1	1	20.24	20.44	20.28	21.7	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.35	20.47	20.33	21.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.29	20.38	20.30	21.7	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.27	20.48	20.33	21.7	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.27	20.51	20.30	21.7	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	20.30	20.37	20.29	21.7	0.0	

n66_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 350000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	18.2	0.0
Frequency (MHz)				16.76	16.68	16.46		
40	PI2 BPSK	1	1	16.64	16.76	16.52		
40	PI2 BPSK	1	214	16.61	16.68	16.44		
40	PI2 BPSK	108	0	16.71	16.70	16.51	18.2	0.0
40	PI2 BPSK	108	54	16.58	16.80	16.58	18.2	0.0
40	PI2 BPSK	108	108	16.64	16.63	16.51	18.2	0.0
40	PI2 BPSK	216	0	16.59	16.71	16.48	18.2	0.0
40	QPSK	1	1	16.74	16.81	16.63	18.2	0.0
40	QPSK	1	108	16.69	16.59	16.49		
40	QPSK	1	214	16.61	16.60	16.41		
40	QPSK	108	0	16.61	16.62	16.54		
40	QPSK	108	54	16.74	16.76	16.60	18.2	0.0
40	QPSK	108	108	16.73	16.70	16.56	18.2	0.0
40	QPSK	216	0	16.64	16.74	16.52	18.2	0.0
40	16QAM	1	1	16.62	16.63	16.51	18.2	0.0
40	64QAM	1	1	16.51	16.56	16.54	18.2	0.0
40	256QAM	1	1	16.60	16.75	16.43	18.2	0.0
Channel				346000	349000	350000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	16.66	16.81	16.53	18.2	0.0
Channel				346000	349000	350000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
20	QPSK	1	1	16.59	16.81	16.56	18.2	0.0
Channel				343500	349000	350500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	16.73	16.81	16.55	18.2	0.0
Channel				343000	349000	350000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	16.72	16.71	16.60	18.2	0.0
Channel				342500	349000	350500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	16.74	16.69	16.50	18.2	0.0

n38_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)				518004	519000	519996			
40	Pl/2 BPSK	1	1	34.48	24.49	24.45	25.9	0.0	
40	Pl/2 BPSK	1	53	24.34	24.46	24.42			
40	Pl/2 BPSK	1	104	24.21	24.23	24.14			
40	Pl/2 BPSK	50	0	23.99	24.00	23.99	25.4	0.5	
40	Pl/2 BPSK	50	28	24.34	24.46	24.45	25.9	0.0	
40	Pl/2 BPSK	50	56	23.88	23.96	23.88	25.4	0.5	
40	Pl/2 BPSK	100	0	23.99	24.04	23.93			
40	QPSK	1	1	31.45	31.57	31.44			
40	QPSK	1	53	24.35	24.40	24.25	25.9	0.0	
40	QPSK	1	104	24.12	24.24	24.09	25.9	0.0	
40	QPSK	50	0	23.95	24.01	23.98			
40	QPSK	50	28	23.78	24.50	24.43			
40	QPSK	50	56	23.90	23.97	23.95	25.4	0.5	
40	QPSK	100	0	23.94	24.01	24.00			
40	16QAM	1	1	23.58	23.60	23.46	24.9	1.0	
40	64QAM	1	1	23.04	23.15	23.13	24.4	1.5	
40	256QAM	1	1	22.72	22.74	22.71	23.9	2.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	24.13	24.48	24.40	25.9	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	34.42	24.51	24.42	25.9	0.0	
Channel									
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.44	24.48	24.38	25.9	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.41	24.47	24.30	25.9	0.0	

n38_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996	2590.02	2595	2599.98
40	Pl/2 BPSK	1	1	15.43	15.27	15.39	16.8	0.0	
40	Pl/2 BPSK	1	53	15.40	15.41	15.50			
40	Pl/2 BPSK	1	104	15.41	15.37	15.43			
40	Pl/2 BPSK	50	0	15.39	15.41	15.34	16.8	0.0	
40	Pl/2 BPSK	50	28	15.37	15.36	15.32	16.8	0.0	
40	Pl/2 BPSK	50	56	15.43	15.49	15.39	16.8	0.0	
40	Pl/2 BPSK	100	0	15.34	15.37	15.46			
40	QPSK	1	1	15.38	15.43	15.51			
40	QPSK	1	53	15.41	15.38	15.35	16.8	0.0	
40	QPSK	1	104	15.37	15.44	15.34	16.8	0.0	
40	QPSK	50	0	15.33	15.41	15.36			
40	QPSK	50	28	15.36	15.50	15.56			
40	QPSK	50	56	15.37	15.39	15.34	16.8	0.0	
40	QPSK	100	0	15.44	15.53	15.46			
40	16QAM	1	1	15.30	15.47	15.43	16.8	0.0	
40	64QAM	1	1	15.37	15.41	15.35	16.8	0.0	
40	256QAM	1	1	15.34	15.35	15.41	16.8	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.50	15.57	15.39	16.8	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.56	15.54	15.47	16.8	0.0	
Channel									
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.57	15.48	15.37	16.8	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.50	15.58	15.49	16.8	0.0	

n38_Ant 11									
BW (MHz)	Modulation	RB 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	15.00	14.87	15.03	16.3	0.0	
40	Pl/2 BPSK	1	53	14.93	15.02	14.84			
40	Pl/2 BPSK	1	104	14.90	14.86	14.91			
40	Pl/2 BPSK	50	0	14.94	14.82	14.99	16.3	0.0	
40	Pl/2 BPSK	50	28	14.90	14.91	14.85	16.3	0.0	
40	Pl/2 BPSK	50	56	14.89	14.94	14.85	16.3	0.0	
40	Pl/2 BPSK	100	0	15.01	14.89	14.91			
40	QPSK	1	1	15.02	15.13	14.98			
40	QPSK	1	53	14.86	14.88	14.86	16.3	0.0	
40	QPSK	1	104	14.98	14.83	14.82	16.3	0.0	
40	QPSK	50	0	14.91	14.95	14.95			
40	QPSK	50	28	14.76	15.10	15.04			
40	QPSK	50	56	14.85	15.00	14.86	16.3	0.0	
40	QPSK	100	0	14.94	14.98	14.78			
40	16QAM	1	1	14.94	14.79	14.91	16.3	0.0	
40	64QAM	1	1	14.87	14.90	14.88	16.3	0.0	
40	256QAM	1	1	14.97	14.86	14.93	16.3	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	14.94	15.10	14.97	16.3	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.00	15.10	14.93	16.3	0.0	
Channel									
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	14.99	15.09	14.82	16.3	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	14.95	15.06	14.85	16.3	0.0	

n38_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				518004	518000	518996			
Frequency (MHz)				2560.02	2595	2592.98			
40	PQ2 BPSK	1	1	16.36	16.45	16.51			
40	PQ2 BPSK	1	53	16.42	16.49	16.38	17.8	0.0	
40	PQ2 BPSK	1	104	16.41	16.46	16.41			
40	PQ2 BPSK	50	0	16.40	16.53	16.39	17.8	0.0	
40	PQ2 BPSK	50	28	16.34	16.45	16.49	17.8	0.0	
40	PQ2 BPSK	50	55	16.42	16.44	16.47	17.8	0.0	
40	PQ2 BPSK	100	0	16.41	16.49	16.41			
40	QPSK	1	1	16.42	16.51	16.33			
40	QPSK	1	53	16.33	16.53	16.44	17.8	0.0	
40	QPSK	1	104	16.28	16.42	16.46			
40	QPSK	50	0	16.29	16.45	16.43			
40	QPSK	50	28	16.36	16.45	16.41	17.8	0.0	
40	QPSK	50	55	16.28	16.46	16.42			
40	QPSK	100	0	16.29	16.51	16.38	17.8	0.0	
40	16QAM	1	1	16.32	16.44	16.44	17.8	0.0	
40	64QAM	1	1	16.31	16.45	16.52	17.8	0.0	
40	256QAM	1	1	16.28	16.45	16.40	17.8	0.0	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2245.01	2295	2304.99	(dB)		
30	QPSK	1	1	16.42	16.43	16.41	17.8	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2560	2595	2610	(dB)		
20	QPSK	1	1	16.37	16.48	16.41	17.8	0.0	
Channel				515502	518500	522500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dB)		
15	QPSK	1	1	16.34	16.49	16.43	17.8	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2615.49	2595	2614.06	(dB)		
10	QPSK	1	1	16.41	16.42	16.39	17.8	0.0	

FCC_n41_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				505002	518998	529000			
Frequency (MHz)				2546.01	2592.99	2540			
100	PQ2 BPSK	1	1	21.78	21.91	21.85			
100	PQ2 BPSK	1	137	21.73	21.86	21.78	23.2	0.0	
100	PQ2 BPSK	1	271	21.66	21.72	21.62			
100	PQ2 BPSK	135	0	21.73	21.81	21.76	23.2	0.0	
100	PQ2 BPSK	135	69	21.73	21.86	21.72	23.2	0.0	
100	PQ2 BPSK	135	138	21.83	21.84	21.81	23.2	0.0	
100	PQ2 BPSK	270	0	21.83	21.86	21.85			
100	QPSK	1	1	21.80	21.92	21.84			
100	QPSK	1	137	21.78	21.85	21.70	23.2	0.0	
100	QPSK	1	271	21.60	21.71	21.67			
100	QPSK	135	0	21.78	21.82	21.73			
100	QPSK	135	69	21.81	21.85	21.76	23.2	0.0	
100	QPSK	135	138	21.76	21.86	21.84			
100	QPSK	270	0	21.75	21.84	21.77	23.2	0.0	
100	16QAM	1	1	21.67	21.77	21.75	23.2	0.0	
100	64QAM	1	1	21.75	21.79	21.65	23.2	0.0	
100	256QAM	1	1	21.31	21.36	21.35	22.7	0.5	
Channel				506200	518998	528996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2592.99	2544.98		(dB)		
80	QPSK	1	1	21.75	21.81	21.69	23.2	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	21.76	21.91	21.77	23.2	0.0	
Channel				505502	518998	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dB)		
70	QPSK	1	1	21.66	21.85	21.74	23.2	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2594	2592.99	2659.98	(dB)		
60	QPSK	1	1	21.76	21.79	21.77	23.2	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	QPSK	1	1	21.72	21.81	21.73	23.2	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	21.65	21.88	21.71	23.2	0.0	
Channel				502200	518998	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	21.68	21.79	21.72	23.2	0.0	
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	21.65	21.50	21.75	23.2	0.0	

FCC_n41(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				505002	518998	529000			
Frequency (MHz)				2546.01	2592.99	2540			
100	PQ2 BPSK	1	1	24.71	24.76	24.70			
100	PQ2 BPSK	1	137	24.73	24.83	24.71	26.2	0.0	
100	PQ2 BPSK	1	271	24.80	24.86	24.72			
100	PQ2 BPSK	135	0	24.30	24.36	24.27	25.7	0.5	
100	PQ2 BPSK	135	69	24.70	24.71	24.63	26.2	0.0	
100	PQ2 BPSK	135	138	24.28	24.37	24.27	25.7	0.5	
100	PQ2 BPSK	270	0	24.22	24.28	24.13			
100	QPSK	1	1	24.33	25.02	24.36			
100	QPSK	1	137	24.69	24.74	24.65	26.2	0.0	
100	QPSK	1	271	24.76	24.84	24.75			
100	QPSK	135	0	24.33	24.45	24.31			
100	QPSK	135	69	24.71	24.82	24.61	26.2	0.0	
100	QPSK	135	138	24.37	24.40	24.27			
100	QPSK	270	0	24.33	24.36	24.35	25.7	0.5	
100	16QAM	1	1	24.33	24.39	24.28	25.7	0.5	
100	64QAM	1	1	23.66	23.79	23.65	25.2	1.0	
100	256QAM	1	1	23.48	23.60	23.51	24.2	2.0	
Channel				506200	518998	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2544.98	(dB)		
80	QPSK	1	1	24.53	24.58	24.49	25.2	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	24.50	24.94	24.86	26.2	0.0	
Channel				505502	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	(dB)		
70	QPSK	1	1	24.90	24.99	24.92	26.2	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2594	2592.99	2659.98	(dB)		
60	QPSK	1	1	24.88	24.94	24.86	26.2	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	QPSK	1	1	24.82	25.00	24.92	26.2	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
40	QPSK	1	1	24.87	25.01	24.86	26.2	0.0	
Channel				502200	518998	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	24.85	25.01	24.95	26.2	0.0	
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2494.00	2592.99	2679.98	(dB)		
20	QPSK	1	1	24.91	25.00	24.88	26.2	0.0	

FCC_n41_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Power Ch / Freq	Power Power Ch / Freq	Power Power Ch / Freq	High Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel									
100	PB2 BPSK	1	1	11.95	11.95	11.95	11.95		
100	PB2 BPSK	1	137	11.93	12.05	11.91		13.2	0.0
100	PB2 BPSK	1	231	11.94	12.00	11.88			
100	PB2 BPSK	135	0	12.02	11.99	11.91		13.2	0.0
100	PB2 BPSK	135	69	11.98	11.91	11.91		13.2	0.0
100	PB2 BPSK	135	138	11.98	12.01	11.93		13.2	0.0
100	PB2 BPSK	270	0	11.95	11.99	11.96			
100	QPSK	1	1	12.01	12.14	11.95			
100	QPSK	1	137	11.95	11.93	11.84		13.2	0.0
100	QPSK	1	231	12.03	12.01	11.93			
100	QPSK	135	0	11.95	12.01	11.93			
100	QPSK	135	69	12.02	12.04	12.01		13.2	0.0
100	QPSK	135	138	12.00	11.98	11.85			
100	QPSK	270	0	11.91	11.93	11.82		13.2	0.0
100	16QAM	1	1	11.93	12.05	11.95	13.2	0.0	
100	4096QAM	1	1	12.01	12.07	12.05	13.2	0.0	
200	256QAM	1	1	11.99	12.05	11.88	13.2	0.0	
Channel									
				569602	569898	569896		Tune-up limit (dBm)	MPR (dB)
				2541	2592	2644	13.2		
90	QPSK	1	1	12.03	12.01	11.97			
	Channel			569204	569508	569506		Tune-up limit (dBm)	MPR (dB)
				2536	2602	2649	13.2		
80	QPSK	1	1	12.05	12.00	12.00	13.2	0.0	
	Channel			569108	569400	569398		Tune-up limit (dBm)	MPR (dB)
				2531	2592	2655	13.2		
70	QPSK	1	1	12.05	11.99	11.96	13.2	0.0	
	Channel			569006	569398	569396		Tune-up limit (dBm)	MPR (dB)
				2525	2602	2654	13.2		
60	QPSK	1	1	11.98	12.02	12.01	13.2	0.0	
	Channel			569408	569898	569896		Tune-up limit (dBm)	MPR (dB)
				2521	2602	2649	13.2		
50	QPSK	1	1	12.01	12.01	12.00	13.2	0.0	
	Channel			569302	569598	569596		Tune-up limit (dBm)	MPR (dB)
				2516	2601	2670	13.2		
40	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
	Channel			569202	569508	569506		Tune-up limit (dBm)	MPR (dB)
				2511	2602	2674	13.2		
30	QPSK	1	1	12.02	12.06	11.91	13.2	0.0	
	Channel			569104	569598	569596		Tune-up limit (dBm)	MPR (dB)
				2494	2601	2675	13.2		
20	QPSK	1	1	12.04	12.00	11.94	13.2	0.0	

FCC_n41_QP2U_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Power Ch / Freq	Power Power Ch / Freq	Power Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
100	P2	BP3K	1	1	11.56	11.56	11.57		
100	P2	BP3K	1	137	11.93	12.05	11.91	13.2	
100	P2	BP3K	1	271	11.94	12.00	11.88		
100	P2	BP3K	1	405	12.02	11.96	11.91	13.2	
100	P2	BP3K	1	539	11.98	11.91	11.88	13.2	
100	P2	BP3K	1	673	11.98	12.01	11.93		
100	P2	BP3K	270	0	11.96	11.99	11.96		
100	QPSK	1	1	1	11.93	11.93	11.94		
100	QPSK	1	1	137	11.95	11.93	11.84	13.2	
100	QPSK	1	1	271	12.03	12.01	11.93		
100	QPSK	1	1	405	11.96	12.01	11.93		
100	QPSK	1	1	539	12.02	12.04	11.97	13.2	
100	QPSK	1	1	673	12.02	12.00	11.85		
100	QPSK	270	0	11.91	11.88	11.92	13.2	0.0	
100	16QAM	1	1	1	11.93	12.05	11.95	13.2	0.0
100	16QAM	1	1	137	12.07	11.99	11.93	13.2	0.0
100	256QAM	1	1	1	11.90	12.06	11.80	13.2	0.0
Channel									
90	QPSK	1	1	506200	11.8998	11.8996	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	254	2592.59	2604.58			
Channel									
80	QPSK	1	1	507234	11.8998	11.8998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2538.02	2592.59	2604.59			
Channel									
70	QPSK	1	1	12.05	11.90	12.00	13.2	0.0	
70	QPSK	1	1	12.05	11.96	11.96	13.2	0.0	
70	QPSK	1	1	12.05	11.99	11.96	13.2	0.0	
70	QPSK	1	1	12.05	11.91	11.91	13.2	0.0	
Channel									
60	QPSK	1	1	11.98	12.02	12.01	13.2	0.0	
60	QPSK	1	1	11.98	12.02	12.01	13.2	0.0	
60	QPSK	1	1	11.98	12.01	11.99	13.2	0.0	
60	QPSK	1	1	11.98	12.01	11.99	13.2	0.0	
Channel									
50	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
50	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
50	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
50	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
Channel									
40	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
40	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
40	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
40	QPSK	1	1	11.98	11.99	11.90	13.2	0.0	
Channel									
30	QPSK	1	1	12.02	12.06	11.91	13.2	0.0	
30	QPSK	1	1	12.02	12.06	11.91	13.2	0.0	
30	QPSK	1	1	12.02	12.06	11.91	13.2	0.0	
30	QPSK	1	1	12.02	12.06	11.91	13.2	0.0	
Channel									
20	QPSK	1	1	12.04	12.06	11.94	13.2	0.0	
20	QPSK	1	1	12.04	12.06	11.94	13.2	0.0	
20	QPSK	1	1	12.04	12.06	11.94	13.2	0.0	
20	QPSK	1	1	12.04	12.06	11.94	13.2	0.0	

FCC_n41_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Level Ch. 1 Freq.	Power Level Ch. 2 Freq.	Power Level Ch. 3 Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			5080502	5189898	5280000			
	Frequency (MHz)			254.01	2592.99	2648.00			
100	QPSK	1	1	9.33	9.43	9.33			
100	BPSK	1	137	9.40	9.47	9.43	10.9	0.0	
100	BPSK	1	271	9.39	9.40	9.50			
100	BPSK	135	0	9.50	9.41	9.36	10.4	0.5	
100	BPSK	135	68	9.39	9.38	9.49	10.0	0.0	
100	BPSK	135	136	9.50	9.39	9.45			
100	BPSK	270	0	9.50	9.45	9.38	10.4	0.5	
100	QPSK	1	1	9.40	9.55	9.51			
100	QPSK	135	137	9.39	9.45	9.37			
100	QPSK	1	271	9.38	9.40	9.47			
100	QPSK	135	0	9.35	9.36	9.30			
100	QPSK	135	69	9.50	9.42	9.36	10.9	0.0	
100	QPSK	135	138	9.36	9.34	9.34			
100	QPSK	270	0	9.35	9.40	9.36	10.9	0.0	
100	16QAM	1	1	9.39	9.49	9.48	10.0	0.0	
100	64QAM	1	1	9.37	9.46	9.48	10.0	0.0	
100	256QAM	1	1	9.42	9.36	9.48	10.9	0.0	
Channel									
	Frequency (MHz)			5080000	5189898	5289996			
	Frequency (MHz)			2541	2592.99	2644.98			
100	QPSK	1	1	9.33	9.53	9.47			
Channel									
	Frequency (MHz)			5080120	5189898	5289996			
	Frequency (MHz)			2536.02	2592.99	2642.99			
100	QPSK	1	1	9.31	9.38	9.37	10.0	0.0	
Channel									
	Frequency (MHz)			5080200	5189898	5310000			
	Frequency (MHz)			2538.01	2592.99	2658.00			
75	QPSK	1	1	9.31	9.46	9.51	10.9	0.0	
Channel									
	Frequency (MHz)			5080300	5189898	5319996			
	Frequency (MHz)			2540.00	2592.99	2668.00			
60	QPSK	1	1	9.38	9.51	9.53	10.9	0.0	
Channel									
	Frequency (MHz)			5040004	5189898	5329998			
	Frequency (MHz)			2512.02	2592.99	2644.99			
90	QPSK	1	1	9.31	9.43	9.53	10.9	0.0	
Channel									
	Frequency (MHz)			5030002	5189898	5340000			
	Frequency (MHz)			2516.01	2592.99	2670.00			
40	QPSK	1	1	9.40	9.42	9.41	10.9	0.0	
Channel									
	Frequency (MHz)			5020000	5189898	5350000			
	Frequency (MHz)			2511.00	2592.99	2674.98			
30	QPSK	1	1	9.43	9.48	9.52	10.9	0.0	
Channel									
	Frequency (MHz)			5012004	5189898	5359998			
	Frequency (MHz)			2498.00	2592.99	2678.96			
20	QPSK	1	1	9.34	9.43	9.53	10.9	0.0	

Part27Q_n77_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)				633332			3499.98		
100	Pl2 BPSK	1	1	9.67					
100	Pl2 BPSK	1	137	9.63			11.2	0.0	
100	Pl2 BPSK	1	271	9.66					
100	Pl2 BPSK	135	0	9.67			11.2	0.0	
100	Pl2 BPSK	135	69	9.60			11.2	0.0	
100	Pl2 BPSK	135	138	9.61			11.2	0.0	
100	Pl2 BPSK	270	0	9.62					
100	QPSK	1	1	9.69					
100	QPSK	1	137	9.67			11.2	0.0	
100	QPSK	1	271	9.64					
100	QPSK	135	0	9.62					
100	QPSK	135	69	9.65			11.2	0.0	
100	QPSK	135	138	9.60					
100	QPSK	270	0	9.64			11.2	0.0	
100	16QAM	1	1	9.61			11.2	0.0	
100	64QAM	1	1	9.64			11.2	0.0	
100	256QAM	1	1	9.62			11.2	0.0	
Channel									
Frequency (MHz)				633000			633666		
90	QPSK	1	1	9.64	9.68	9.59	11.2	0.0	
Channel									
Frequency (MHz)				633668			633332		
80	QPSK	1	1	9.60	9.56	9.56	11.2	0.0	
Channel									
Frequency (MHz)				632234			633332		
70	QPSK	1	1	9.64	9.67	9.61	11.2	0.0	
Channel									
Frequency (MHz)				632801			633332		
60	QPSK	1	1	9.63	9.67	9.55	11.2	0.0	
Channel									
Frequency (MHz)				631668			633332		
50	QPSK	1	1	9.63	9.67	9.68	11.2	0.0	
Channel									
Frequency (MHz)				631334			633332		
40	QPSK	1	1	9.63	9.62	9.62	11.2	0.0	
Channel									
Frequency (MHz)				631000			633332		
30	QPSK	1	1	9.67	9.57	9.62	11.2	0.0	
Channel									
Frequency (MHz)				630668			633332		
20	QPSK	1	1	9.66	9.64	9.64	11.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	650000	650000	3043		
100	Pl2 BPSK	1	1	9.49	9.58	9.55			
100	Pl2 BPSK	1	137	9.38	9.48	9.41	11.2	0.0	
100	Pl2 BPSK	1	271	9.53	9.65	9.59			
100	Pl2 BPSK	135	0	9.52	9.66	9.60	11.2	0.0	
100	Pl2 BPSK	135	69	9.42	9.53	9.44	11.2	0.0	
100	Pl2 BPSK	135	138	9.42	9.47	9.32	11.2	0.0	
100	Pl2 BPSK	270	0	9.45	9.54	9.52			
100	QPSK	1	1	9.55	9.58	9.54			
100	QPSK	1	137	9.51	9.62	9.48	11.2	0.0	
100	QPSK	1	271	9.49	9.61	9.50			
100	QPSK	135	0	9.40	9.53	9.58			
100	QPSK	135	69	9.37	9.54	9.45	11.2	0.0	
100	QPSK	135	138	9.37	9.54	9.42			
100	QPSK	270	0	9.37	9.52	9.47	11.2	0.0	
100	16QAM	1	1	9.36	9.49	9.37	11.2	0.0	
100	64QAM	1	1	9.46	9.57	9.43	11.2	0.0	
100	256QAM	1	1	9.39	9.53	9.42	11.2	0.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	9.50	9.56	9.48	11.2	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	9.50	9.56	9.45	11.2	0.0	
Channel									
Frequency (MHz)				649000	650000	650999	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	9.60	9.62	9.39	11.2	0.0	
Channel									
Frequency (MHz)				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	9.57	9.58	9.45	11.2	0.0	
Channel									
Frequency (MHz)				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	9.52	9.54	9.42	11.2	0.0	
Channel									
Frequency (MHz)				648000	650000	650400	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	9.51	9.53	9.52	11.2	0.0	
Channel									
Frequency (MHz)				647668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	9.52	9.40	9.39	11.2	0.0	
Channel									
Frequency (MHz)				647334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	9.55	9.57	9.43	11.2	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				633332					
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	14.10					
100	Pl2 BPSK	1	137	14.29			15.2	0.0	
100	Pl2 BPSK	1	271	14.32					
100	Pl2 BPSK	135	0	14.27			15.2	0.0	
100	Pl2 BPSK	135	69	14.36			15.2	0.0	
100	Pl2 BPSK	135	138	14.30			15.2	0.0	
100	Pl2 BPSK	270	0	14.38					
100	QPSK	1	1	14.38					
100	QPSK	1	137	14.27			15.2	0.0	
100	QPSK	1	271	14.32					
100	QPSK	135	0	14.27					
100	QPSK	135	69	14.35			15.2	0.0	
100	QPSK	135	138	14.27					
100	QPSK	270	0	14.26			15.2	0.0	
100	16QAM	1	1	14.33			15.2	0.0	
100	64QAM	1	1	14.13			15.2	0.0	
100	256QAM	1	1	14.22			15.2	0.0	
Channel				633000			633666		
Frequency (MHz)				3499.98			3504.99		
80	QPSK	1	1	14.25	14.29	14.55	15.2	0.0	
Channel				632668			633332		
Frequency (MHz)				3499.02			3499.98		
80	QPSK	1	1	14.34	14.23	14.26	15.2	0.0	
Channel				632334			633332		
Frequency (MHz)				3499.01			3499.98		
70	QPSK	1	1	14.26	14.36	14.37	15.2	0.0	
Channel				632000			633332		
Frequency (MHz)				3499.00			3499.98		
60	QPSK	1	1	14.24	14.26	14.34	15.2	0.0	
Channel				631668			633332		
Frequency (MHz)				3499.02			3499.98		
50	QPSK	1	1	14.28	14.32	14.27	15.2	0.0	
Channel				631334			633332		
Frequency (MHz)				3470.01			3499.98		
40	QPSK	1	1	14.30	14.30	14.34	15.2	0.0	
Channel				631000			633332		
Frequency (MHz)				3466			3499.98		
30	QPSK	1	1	14.28	14.32	14.37	15.2	0.0	
Channel				630668			633332		
Frequency (MHz)				3460.00			3499.98		
20	QPSK	1	1	14.26	14.24	14.36	15.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				650000	650000	660000				
				3750	3840	3930				
100	Pl2 BPSK	1	1	14.57	14.52	14.51				
100	Pl2 BPSK	1	137	14.47	14.51	14.51	15.2	0.0		
100	Pl2 BPSK	1	271	14.54	14.53	14.50				
100	Pl2 BPSK	135	0	14.51	14.47	14.47	15.2	0.0		
100	Pl2 BPSK	135	69	14.58	14.50	14.56	15.2	0.0		
100	Pl2 BPSK	135	138	14.59	14.51	14.50				
100	Pl2 BPSK	270	0	14.59	14.51	14.53	15.2	0.0		
100	QPSK	1	1	14.51	14.50	14.50				
100	QPSK	1	137	14.47	14.55	14.41				
100	QPSK	1	271	14.44	14.57	14.37				
100	QPSK	135	0	14.37	14.46	14.38				
100	QPSK	135	69	14.35	14.57	14.46	15.2	0.0		
100	QPSK	135	138	14.42	14.50	14.37				
100	QPSK	270	0	14.44	14.56	14.43	15.2	0.0		
100	16QAM	1	1	14.47	14.55	14.52	15.2	0.0		
100	64QAM	1	1	14.37	14.36	14.26	15.2	0.0		
100	256QAM	1	1	14.40	14.58	14.45	15.2	0.0		
Channel										
Frequency (MHz)				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)		
				3742.02	3840	3954.98				
80	QPSK	1	1	14.45	14.55	14.41	15.2	0.0		
Channel										
Frequency (MHz)				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)		
				3740.01	3840	3959.99				
80	QPSK	1	1	14.37	14.46	14.51	15.2	0.0		
Channel										
Frequency (MHz)				650000	650000	660000	Tune-up limit (dBm)	MPR (dB)		
				3735	3840	3945				
70	QPSK	1	1	14.43	14.57	14.54	15.2	0.0		
Channel										
Frequency (MHz)				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)		
				3740.02	3840	3949.98				
60	QPSK	1	1	14.48	14.48	14.41	15.2	0.0		
Channel										
Frequency (MHz)				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)		
				3725.01	3840	3954.99				
50	QPSK	1	1	14.39	14.56	14.45	15.2	0.0		
Channel										
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)		
				3720	3840	3960				
40	QPSK	1	1	14.44	14.58	14.48	15.2	0.0		
Channel										
Frequency (MHz)				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)		
				3715.02	3840	3954.98				
30	QPSK	1	1	14.50	14.47	14.41	15.2	0.0		
Channel										
Frequency (MHz)				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)		
				3710.01	3840	3959.99				
20	QPSK	1	1	14.58	14.51	14.52	15.2	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				63900	63332	3499.98				
100	Pl2 BPSK	1	1		15.01					
100	Pl2 BPSK	1	137		14.77		16.5	0.0		
100	Pl2 BPSK	1	271		14.86					
100	Pl2 BPSK	135	0		14.89		16.5	0.0		
100	Pl2 BPSK	135	69		14.94		16.5	0.0		
100	Pl2 BPSK	135	138		14.90					
100	Pl2 BPSK	270	0		14.89					
100	QPSK	1	1		15.03					
100	QPSK	1	137		14.94		16.5	0.0		
100	QPSK	1	271		15.03					
100	QPSK	135	0		14.95					
100	QPSK	135	69		15.00		16.5	0.0		
100	QPSK	135	138		14.98					
100	QPSK	270	0		14.95		16.5	0.0		
100	16QAM	1	1		14.80		16.5	0.0		
100	64QAM	1	1		15.01		16.5	0.0		
100	256QAM	1	1		15.01		16.5	0.0		
Channel										
Frequency (MHz)				639000	633332	633666	Tune-up limit (dBm)	MPR (dB)		
				3495	3499.98	3504.98				
90	QPSK	1	1	14.95	14.97	14.99	16.5	0.0		
Channel										
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)		
				3490.02	3499.98	3510				
80	QPSK	1	1	15.01	15.02	14.95	16.5	0.0		
Channel										
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)		
				3485.01	3499.98	3514.98				
70	QPSK	1	1	15.02	14.91	14.89	16.5	0.0		
Channel										
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)		
				3480	3499.98	3518.98				
60	QPSK	1	1	15.02	14.98	14.93	16.5	0.0		
Channel										
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
				3475.02	3499.98	3525				
50	QPSK	1	1	14.89	14.96	14.95	16.5	0.0		
Channel										
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3499.98	3528.98				
40	QPSK	1	1	14.93	14.90	14.92	16.5	0.0		
Channel										
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)		
				3465	3499.98	3534.98				
30	QPSK	1	1	14.92	14.88	14.97	16.5	0.0		
Channel										
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
				3460.02	3499.98	3540				
20	QPSK	1	1	15.02	14.98	14.95	16.5	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				650000	650000	662000				
Frequency (MHz)				3750	3840	3930				
100	Pl2 BPSK	1	1	15.03	14.96	14.95				
100	Pl2 BPSK	1	137	14.99	15.00	14.97				
100	Pl2 BPSK	1	271	14.97	15.05	14.94	16.5	0.0		
10	Pl2 BPSK	135	1	14.95	15.08	14.98	16.5	0.0		
100	Pl2 BPSK	135	69	15.08	14.97	15.11	16.5	0.0		
100	Pl2 BPSK	135	138	14.95	15.08	14.98	16.5	0.0		
100	Pl2 BPSK	270	0	14.92	15.04	15.04				
100	QPSK	1	1	15.03	15.03	15.05				
100	QPSK	1	137	15.00	15.00	15.05	16.5	0.0		
100	QPSK	1	271	15.08	14.92	14.90				
100	QPSK	135	0	15.02	15.12	14.87				
100	QPSK	135	69	15.02	15.08	15.18				
100	QPSK	135	138	14.99	14.94	14.93	16.5	0.0		
100	QPSK	270	0	14.92	15.03	14.90	16.5	0.0		
100	16QAM	1	1	15.02	15.10	15.08	16.5	0.0		
100	16QAM	1	137	14.96	14.97	15.01	16.5	0.0		
100	256QAM	1	1	14.99	15.04	15.05	16.5	0.0		
Channel				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3934.98				
90	QPSK	1	1	15.04	15.12	14.90				
Channel				649334	650000	662666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3939.99				
80	QPSK	1	1	15.11	15.10	15.03	16.5	0.0		
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735.00	3840	3945.00				
75	QPSK	1	1	15.07	15.08	15.09	16.5	0.0		
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.00	3840	3949.98				
60	QPSK	1	1	14.98	15.08	15.06	16.5	0.0		
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.00	3840	3954.99				
50	QPSK	1	1	15.03	15.17	15.03	16.5	0.0		
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720.00	3840	3960.00				
40	QPSK	1	1	14.99	15.12	15.11	16.5	0.0		
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	15.05	15.21	15.00	16.5	0.0		
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3969.99				
20	QPSK	1	1	15.05	15.07	14.99	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)				633332		3499.98			
100	Pl2 BPSK	1	1	12.41					
100	Pl2 BPSK	1	137	12.36			14.2	0.0	
100	Pl2 BPSK	1	271	12.42					
100	Pl2 BPSK	135	0	12.53			14.2	0.0	
100	Pl2 BPSK	135	69	12.41			14.2	0.0	
100	Pl2 BPSK	135	138	12.47					
100	Pl2 BPSK	270	0	12.58			14.2	0.0	
100	QPSK	1	1	12.68					
100	QPSK	1	137	12.36			14.2	0.0	
100	QPSK	1	271	12.58					
100	QPSK	135	0	12.54			14.2	0.0	
100	QPSK	135	69	12.56					
100	QPSK	135	138	12.36					
100	QPSK	270	0	12.49			14.2	0.0	
100	16QAM	1	1	12.40			14.2	0.0	
100	64QAM	1	1	12.34			14.2	0.0	
100	256QAM	1	1	12.31			14.2	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	12.53	12.57	12.61	14.2	0.0	
Channel									
Frequency (MHz)				3490.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	12.61	12.57	12.63	14.2	0.0	
Channel									
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	12.55	12.58	12.56	14.2	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	12.56	12.57	12.60	14.2	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	12.52	12.54	12.63	14.2	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	12.53	12.66	12.66	14.2	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	12.56	12.63	12.61	14.2	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	12.53	12.55	12.63	14.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	650000	650000			
100	Pl2 BPSK	1	1	12.68	12.70	12.51			
100	Pl2 BPSK	1	137	12.45	12.67	12.59	14.2	0.0	
100	Pl2 BPSK	1	271	12.47	12.52	12.51			
100	Pl2 BPSK	135	0	12.48	12.60	12.64	14.2	0.0	
100	Pl2 BPSK	135	69	12.62	12.72	12.53	14.2	0.0	
100	Pl2 BPSK	135	138	12.48	12.60	12.55			
100	Pl2 BPSK	270	0	12.65	12.65	12.74	14.2	0.0	
100	QPSK	1	1	12.73	12.75	12.71			
100	QPSK	1	137	12.64	12.71	12.68	14.2	0.0	
100	QPSK	1	271	12.65	12.70	12.69			
100	QPSK	135	0	12.62	12.64	12.50			
100	QPSK	135	69	12.70	12.71	12.62	14.2	0.0	
100	QPSK	135	138	12.67	12.61	12.58			
100	QPSK	270	0	12.28	12.67	12.57	14.2	0.0	
100	16QAM	1	1	12.48	12.55	12.46	14.2	0.0	
100	64QAM	1	1	12.45	12.53	12.45	14.2	0.0	
100	256QAM	1	1	12.37	12.48	12.43	14.2	0.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	12.42	12.71	12.56	14.2	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	12.64	12.66	12.62	14.2	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	12.70	12.67	12.59	14.2	0.0	
Channel									
Frequency (MHz)				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	12.65	12.67	12.59	14.2	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	12.60	12.67	12.69	14.2	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	12.58	12.68	12.56	14.2	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	12.65	12.73	12.65	14.2	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	12.58	12.73	12.70	14.2	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)				633332		3499.98			
100	Pl2 BPSK	1	1	12.49					
100	Pl2 BPSK	1	137	12.46			13.8	0.0	
100	Pl2 BPSK	1	271	12.46					
100	Pl2 BPSK	135	0	12.46			13.8	0.0	
100	Pl2 BPSK	135	69	12.39			13.8	0.0	
100	Pl2 BPSK	135	138	12.48					
100	Pl2 BPSK	270	0	12.48			13.8	0.0	
100	QPSK	1	1	12.55					
100	QPSK	1	137	12.43			13.8	0.0	
100	QPSK	1	271	12.48					
100	QPSK	135	0	12.46					
100	QPSK	135	69	12.43			13.8	0.0	
100	QPSK	135	138	12.47					
100	QPSK	270	0	12.45			13.8	0.0	
100	16QAM	1	1	12.41			13.8	0.0	
100	64QAM	1	1	12.43			13.8	0.0	
100	256QAM	1	1	12.47			13.8	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	12.43	12.37	12.40	13.8	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	12.41	12.35	12.49	13.8	0.0	
Channel									
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	12.38	12.36	12.44	13.8	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	12.37	12.43	12.35	13.8	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	12.35	12.45	12.41	13.8	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	12.43	12.39	12.43	13.8	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	12.49	12.40	12.45	13.8	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	12.37	12.44	12.46	13.8	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		12.32				
100	Pl2 BPSK	1	137		12.29		13.8	0.0	
100	Pl2 BPSK	1	271		12.26				
100	Pl2 BPSK	135	0		12.25		13.8	0.0	
100	Pl2 BPSK	135	69		12.26				
100	Pl2 BPSK	135	138		12.31		13.8	0.0	
100	Pl2 BPSK	270	0		12.29				
100	QPSK	1	1		12.37		13.8	0.0	
100	QPSK	1	137		12.34				
100	QPSK	1	271		12.25				
100	QPSK	135	0		12.24		13.8	0.0	
100	QPSK	135	69		12.31				
100	QPSK	135	138		12.21				
100	QPSK	270	0		12.27		13.8	0.0	
100	16QAM	1	1		12.35		13.8	0.0	
100	64QAM	1	1		12.32		13.8	0.0	
100	256QAM	1	1		12.25		13.8	0.0	
Channel									
Frequency (MHz)									
				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
				3745.62	3750	3754.38			
80	QPSK	1	1	12.30	12.26	12.31	13.8	0.0	
Channel									
Frequency (MHz)									
				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3759.99			
80	QPSK	1	1	12.31	12.27	12.27	13.8	0.0	
Channel									
Frequency (MHz)									
				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3735	3750	3765			
70	QPSK	1	1	12.32	12.26	12.31	13.8	0.0	
Channel									
Frequency (MHz)									
				649668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
				3730.01	3750	3769.99			
60	QPSK	1	1	12.35	12.34	12.35	13.8	0.0	
Channel									
Frequency (MHz)									
				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3774.99			
50	QPSK	1	1	12.33	12.34	12.25	13.8	0.0	
Channel									
Frequency (MHz)									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
40	QPSK	1	1	12.24	12.31	12.27	13.8	0.0	
Channel									
Frequency (MHz)									
				647668	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3784.98			
30	QPSK	1	1	12.25	12.35	12.34	13.8	0.0	
Channel									
Frequency (MHz)									
				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3789.99			
20	QPSK	1	1	12.35	12.25	12.26	13.8	0.0	

Part27Q_n78(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)									
3499.98									
100	Pl2 BPSK	1	1	12.49			13.8	0.0	
100	Pl2 BPSK	1	137	12.46					
100	Pl2 BPSK	1	271	12.46					
100	Pl2 BPSK	135	0	12.46			13.8	0.0	
100	Pl2 BPSK	135	69	12.39			13.8	0.0	
100	Pl2 BPSK	135	138	12.48			13.8	0.0	
100	Pl2 BPSK	270	0	12.48			13.8	0.0	
100	QPSK	1	1	12.50			13.8	0.0	
100	QPSK	1	137	12.43					
100	QPSK	1	271	12.48					
100	QPSK	135	0	12.46			13.8	0.0	
100	QPSK	135	69	12.46					
100	QPSK	135	138	12.47					
100	QPSK	270	0	12.45			13.8	0.0	
100	16QAM	1	1	12.41			13.8	0.0	
100	64QAM	1	1	12.48			13.8	0.0	
100	256QAM	1	1	12.47			13.8	0.0	
Channel									
Frequency (MHz)									
633000									
633332									
80	QPSK	1	1	12.49	12.37	12.40	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3499.02									
80	QPSK	1	1	12.41	12.35	12.49	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3485.01									
70	QPSK	1	1	12.38	12.36	12.44	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
632000									
633332									
60	QPSK	1	1	12.37	12.43	12.35	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
631668									
633332									
50	QPSK	1	1	12.35	12.45	12.41	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
631334									
633332									
40	QPSK	1	1	12.45	12.39	12.43	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
631000									
633332									
30	QPSK	1	1	12.49	12.40	12.45	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
630668									
633332									
20	QPSK	1	1	12.37	12.44	12.46	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	Pl2 BPSK	1	1	12.32				13.8	0.0
100	Pl2 BPSK	1	137	12.29					
100	Pl2 BPSK	1	271	12.26					
100	Pl2 BPSK	135	0	12.25				13.8	0.0
100	Pl2 BPSK	135	69	12.26				13.8	0.0
100	Pl2 BPSK	135	138	12.31				13.8	0.0
100	Pl2 BPSK	270	0	12.29				13.8	0.0
100	QPSK	1	1	12.37				13.8	0.0
100	QPSK	1	137	12.34					
100	QPSK	1	271	12.25					
100	QPSK	135	0	12.24				13.8	0.0
100	QPSK	135	69	12.25				13.8	0.0
100	QPSK	135	138	12.31				13.8	0.0
100	QPSK	270	0	12.27				13.8	0.0
100	IQAM	1	1	12.35				13.8	0.0
100	IQAM	1	1	12.32				13.8	0.0
100	256QAM	1	1	12.25				13.8	0.0
Channel									
				649668	650000	650332	(Tune-up limit)	MPR (dB)	
				3765.02	3760	3764.98	(dBm)		
90	QPSK	1	1	12.29	12.25	12.31	13.8	13.8	0.0
Channel									
				649334	650000	650666	(Tune-up limit)	MPR (dB)	
				3760.01	3760	3769.99	(dBm)		
80	QPSK	1	1	12.31	12.27	12.27	13.8	13.8	0.0
Channel									
				649000	650000	651000	(Tune-up limit)	MPR (dB)	
				3735	3760	3765	(dBm)		
70	QPSK	1	1	12.32	12.26	12.31	13.8	0.0	0.0
Channel									
				649668	650000	651332	(Tune-up limit)	MPR (dB)	
				3760.02	3760	3769.98	(dBm)		
60	QPSK	1	1	12.33	12.34	12.23	13.8	13.8	0.0
60	QPSK	1	1	12.35	12.34	12.35	13.8	0.0	0.0
Channel									
				648334	650000	651666	(Tune-up limit)	MPR (dB)	
				3725.01	3760	3774.99	(dBm)		
50	QPSK	1	1	12.33	12.34	12.23	13.8	13.8	0.0
Channel									
				648000	650000	652000	(Tune-up limit)	MPR (dB)	
				3720	3760	3780	(dBm)		
40	QPSK	1	1	12.24	12.31	12.27	13.8	0.0	0.0
Channel									
				647668	650000	652332	(Tune-up limit)	MPR (dB)	
				3715.02	3760	3784.98	(dBm)		
30	QPSK	1	1	12.25	12.35	12.34	13.8	0.0	0.0
Channel									
				647334	650000	652666	(Tune-up limit)	MPR (dB)	
				3710.01	3760	3789.99	(dBm)		
20	QPSK	1	1	12.36	12.26	12.26	13.8	0.0	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				633332		3499.98				
Frequency (MHz)				12.09						
100	Pl2 BPSK	1	1	12.09			14.0	0.0		
100	Pl2 BPSK	1	137	12.04						
100	Pl2 BPSK	1	271	12.09						
100	Pl2 BPSK	135	0	12.09			14.0	0.0		
100	Pl2 BPSK	135	69	12.07			14.0	0.0		
100	Pl2 BPSK	135	138	12.03			14.0	0.0		
100	Pl2 BPSK	270	0	12.01						
100	QPSK	1	1	12.16						
100	QPSK	1	137	12.16			14.0	0.0		
100	QPSK	1	271	12.23						
100	QPSK	135	0	12.23						
100	QPSK	135	69	12.28			14.0	0.0		
100	QPSK	135	138	12.18						
100	QPSK	270	0	12.13						
100	16QAM	1	1	12.09			13.5	0.5		
100	64QAM	1	1	12.03			13.5	0.5		
100	256QAM	1	1	12.07			14.0	0.0		
Channel				633000		633666	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3495		3504.99				
Channel				12.15		12.16				
80	QPSK	1	1	12.15	12.10	12.16	14.0	0.0		
Channel				632668		633332	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3496.02		3499.98				
Channel				12.20		12.18				
80	QPSK	1	1	12.20	12.18	12.18	14.0	0.0		
Channel				632000		633332	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3485.01		3499.98				
Channel				12.22		12.16				
70	QPSK	1	1	12.22	12.16	12.19	14.0	0.0		
Channel				632000		633332	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3480		3499.98				
Channel				12.16		12.19				
60	QPSK	1	1	12.16	12.19	12.13	14.0	0.0		
Channel				631668		633000	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3475.02		3499.98				
Channel				12.10		12.12				
50	QPSK	1	1	12.10	12.12	12.23	14.0	0.0		
Channel				631334		633332	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3470.01		3499.98				
Channel				12.12		12.17				
40	QPSK	1	1	12.12	12.17	12.18	14.0	0.0		
Channel				631000		633666	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3465		3499.98				
Channel				12.21		12.11				
30	QPSK	1	1	12.21	12.11	12.18	14.0	0.0		
Channel				630668		633332	Tune-up limit (dBm)	MPR	(dB)	
Frequency (MHz)				3460.02		3499.98				
Channel				12.12		12.23				
20	QPSK	1	1	12.12	12.23	12.11	14.0	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)				649668		650000			
100	Pl2 BPSK	1	1	12.22			14.0	0.0	
100	Pl2 BPSK	1	137	12.20					
100	Pl2 BPSK	1	271	12.27					
100	Pl2 BPSK	135	0	12.28			14.0	0.0	
100	Pl2 BPSK	135	69	12.14			14.0	0.0	
100	Pl2 BPSK	135	138	12.12			14.0	0.0	
100	Pl2 BPSK	270	0	12.20					
100	QPSK	1	1	12.43					
100	QPSK	1	137	12.33			14.0	0.0	
100	QPSK	1	271	12.41					
100	QPSK	135	0	12.43					
100	QPSK	135	69	12.43			14.0	0.0	
100	QPSK	135	138	12.34					
100	QPSK	270	0	12.31					
100	16QAM	1	1	12.13			13.5	0.5	
100	64QAM	1	1	12.06			13.5	0.5	
100	256QAM	1	1	12.28			14.0	0.0	
Channel									
Frequency (MHz)				649668		650032		Tune-up limit (dBm)	
80	QPSK	1	1	12.33	3750	3754.98	14.0	0.0	MPR (dB)
Channel				648334		650006		Tune-up limit (dBm)	
80	QPSK	1	1	12.38	3740.01	3750	3759.99	14.0	0.0
Frequency (MHz)				648000		650100		Tune-up limit (dBm)	
80	QPSK	1	1	12.38	3735	3735	14.0	0.0	MPR (dB)
Channel				648668		650136		Tune-up limit (dBm)	
70	QPSK	1	1	12.31	12.43	12.45	14.0	0.0	MPR (dB)
Channel				648668		650136		Tune-up limit (dBm)	
70	QPSK	1	1	12.37	12.35	12.35	14.0	0.0	MPR (dB)
Frequency (MHz)				648334		650200		Tune-up limit (dBm)	
60	QPSK	1	1	12.37	12.37	12.44	14.0	0.0	MPR (dB)
Channel				648334		650166		Tune-up limit (dBm)	
60	QPSK	1	1	12.37	12.35	12.34	14.0	0.0	MPR (dB)
Frequency (MHz)				648000		650200		Tune-up limit (dBm)	
50	QPSK	1	1	12.37	3750	3754.99	14.0	0.0	MPR (dB)
Channel				647334		650266		Tune-up limit (dBm)	
40	QPSK	1	1	12.45	12.36	12.31	14.0	0.0	MPR (dB)
Channel				647668		650272		Tune-up limit (dBm)	
30	QPSK	1	1	12.39	12.36	12.37	14.0	0.0	MPR (dB)
Channel				647334		650266		Tune-up limit (dBm)	
20	QPSK	1	1	12.37	12.40	12.37	14.0	0.0	MPR (dB)

Part27Q_n78(HPUE)_Ant 8									
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				633332					
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	12.09			14.0	0.0	
100	Pl2 BPSK	1	137	12.04					
100	Pl2 BPSK	1	271	12.09					
100	Pl2 BPSK	135	0	12.09			14.0	0.0	
100	Pl2 BPSK	135	69	12.07			14.0	0.0	
100	Pl2 BPSK	135	138	12.03			14.0	0.0	
100	Pl2 BPSK	270	0	12.01			14.0	0.0	
100	QPSK	1	1	12.04	12.26		14.0	0.0	
100	QPSK	1	137	12.16					
100	QPSK	1	271	12.23					
100	QPSK	135	0	12.23			14.0	0.0	
100	QPSK	135	69	12.26			14.0	0.0	
100	QPSK	135	138	12.18			14.0	0.0	
100	QPSK	270	0	12.13			14.0	0.0	
100	16QAM	1	1	12.09			14.0	0.0	
100	16QAM	1	1	12.03			14.0	0.0	
100	256QAM	1	1	12.09			14.0	0.0	
Channel				633332		636666		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3695		3499.98		14.0	0.0
90	QPSK	1	1	12.18	12.10	12.10	14.0	0.0	
Channel				636668		633332		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02		3499.98		14.0	0.0
80	QPSK	1	1	12.20	12.18	12.18	14.0	0.0	
Channel				632232		632232		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.01		3499.98		14.0	0.0
75	QPSK	1	1	12.22	12.16	12.16	14.0	0.0	
Channel				633332		634666		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.01		3499.98		14.0	0.0
60	QPSK	1	1	12.16	12.19	12.13	14.0	0.0	
Channel				631668		636500		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02		3499.98		14.0	0.0
50	QPSK	1	1	12.10	12.12	12.23	14.0	0.0	
Channel				631334		635332		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01		3499.98		14.0	0.0
40	QPSK	1	1	12.12	12.17	12.18	14.0	0.0	
Channel				631000		631332		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465		3499.98		14.0	0.0
30	QPSK	1	1	12.21	12.11	12.18	14.0	0.0	
Channel				636668		636600		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.00		3499.98		14.0	0.0
20	QPSK	1	1	12.22	12.23	12.11	14.0	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.49			14.7	0.0	
100	Pl2 BPSK	1	137	13.65					
100	Pl2 BPSK	1	271	13.56					
100	Pl2 BPSK	135	0	13.57			14.7	0.0	
100	Pl2 BPSK	135	69	13.53			14.7	0.0	
100	Pl2 BPSK	135	138	13.47			14.7	0.0	
100	Pl2 BPSK	270	0	13.56					
100	QPSK	1	1	13.56					
100	QPSK	1	137	13.49			14.7	0.0	
100	QPSK	1	271	13.51					
100	QPSK	135	0	13.63					
100	QPSK	135	69	13.68			14.7	0.0	
100	QPSK	135	138	13.61					
100	QPSK	270	0	13.63					
100	16QAM	1	1	13.49			14.7	0.0	
100	64QAM	1	1	13.58			14.7	0.0	
100	256QAM	1	1	13.51			14.7	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
80	QPSK	1	1	13.67	13.72	13.74	14.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3503	(dBm)	(dB)	
80	QPSK	1	1	13.61	13.66	13.63	14.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	13.64	13.71	13.73	14.7	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dBm)	(dB)	
60	QPSK	1	1	13.70	13.60	13.67	14.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	13.68	13.72	13.72	14.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	13.64	13.63	13.73	14.7	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	13.67	13.63	13.64	14.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	13.73	13.63	13.67	14.7	0.0	

Part27O_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649668		3750			
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.65			14.7	0.0	
100	Pl2 BPSK	1	137	13.82					
100	Pl2 BPSK	1	271	13.75					
100	Pl2 BPSK	135	0	13.71			14.7	0.0	
100	Pl2 BPSK	135	69	13.75			14.7	0.0	
100	Pl2 BPSK	135	138	13.70			14.7	0.0	
100	Pl2 BPSK	270	0	13.76					
100	QPSK	1	1	13.86					
100	QPSK	1	137	13.73			14.7	0.0	
100	QPSK	1	271	13.73					
100	QPSK	135	0	13.75					
100	QPSK	135	69	13.80			14.7	0.0	
100	QPSK	135	138	13.72					
100	QPSK	270	0	13.76					
100	16QAM	1	1	13.74			14.7	0.0	
100	64QAM	1	1	13.72			14.7	0.0	
100	256QAM	1	1	13.76			14.7	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	13.99	13.82	13.87	14.7	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1	13.91	13.88	13.92	14.7	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	13.93	13.88	13.82	14.7	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3763.98	(dBm)	(dB)	
60	QPSK	1	1	13.92	13.94	13.92	14.7	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1	13.95	13.89	13.81	14.7	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	13.88	13.89	13.85	14.7	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3789.98	(dBm)	(dB)	
30	QPSK	1	1	13.90	13.95	13.86	14.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3799.98	(dBm)	(dB)	
20	QPSK	1	1	13.85	13.86	13.82	14.7	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				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	12.93			14.0	0.0	
100	Pl2 BPSK	1	137	13.05					
100	Pl2 BPSK	1	271	13.09					
100	Pl2 BPSK	135	0	12.88			14.0	0.0	
100	Pl2 BPSK	135	69	13.01			14.0	0.0	
100	Pl2 BPSK	135	138	13.09			14.0	0.0	
100	Pl2 BPSK	270	0	12.89					
100	QPSK	1	1	13.15					
100	QPSK	1	137	13.07			14.0	0.0	
100	QPSK	1	271	13.01					
100	QPSK	135	0	12.84					
100	QPSK	135	69	13.10			14.0	0.0	
100	QPSK	135	138	12.93					
100	QPSK	270	0	12.85					
100	16QAM	1	1	12.82			13.5	0.5	
100	64QAM	1	1	12.76			13.5	0.5	
100	256QAM	1	1	12.93			14.0	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	13.13	13.01	13.06	14.0	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	13.04	13.14	13.02	14.0	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	13.12	13.04	13.04	14.0	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dBm)	(dB)	
60	QPSK	1	1	13.11	13.06	13.08	14.0	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	13.04	13.02	13.00	14.0	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	13.07	13.13	13.14	14.0	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	13.08	13.04	13.05	14.0	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	13.03	13.01	13.04	14.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.00	650000				
100	Pl2 BPSK	1	137	13.12			14.0	0.0	
100	Pl2 BPSK	1	271	13.05					
100	Pl2 BPSK	135	0	13.04			14.0	0.0	
100	Pl2 BPSK	135	69	13.06			14.0	0.0	
100	Pl2 BPSK	135	138	12.96					
100	Pl2 BPSK	270	0	13.01			14.0	0.0	
100	QPSK	1	1	13.14					
100	QPSK	1	137	13.10			14.0	0.0	
100	QPSK	1	271	13.06					
100	QPSK	135	0	12.89					
100	QPSK	135	69	13.07			14.0	0.0	
100	QPSK	135	138	13.00					
100	QPSK	270	0	12.98			14.0	0.0	
100	16QAM	1	1	12.80			13.5	0.5	
100	64QAM	1	1	12.86			13.5	0.5	
100	256QAM	1	1	13.09			14.0	0.0	
Channel									
Frequency (MHz)									
649668									
3750									
90	QPSK	1	1	13.10	650000	650362	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)
Channel									
Frequency (MHz)									
648334									
3750									
80	QPSK	1	1	13.07	650000	650696	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)
Channel									
Frequency (MHz)									
3735									
70	QPSK	1	1	13.04	650000	651300	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)
Channel									
Frequency (MHz)									
3750									
60	QPSK	1	1	13.09	650000	651666	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)
Channel									
Frequency (MHz)									
3720									
50	QPSK	1	1	13.05	650000	652252	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)
Channel									
Frequency (MHz)									
3720									
40	QPSK	1	1	13.00	650000	652852	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)
Channel									
Frequency (MHz)									
3715									
30	QPSK	1	1	13.07	650000	653668	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)
Channel									
Frequency (MHz)									
3710									
20	QPSK	1	1	13.07	650000	654000	Tune-up limit (dBm)	MPR (dB)	L1/L2 (dB)

Part27Q_n78(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)									
3499.98									
100	Pl2 BPSK	1	1	12.93					
100	Pl2 BPSK	1	137	13.05			14.0	0.0	
100	Pl2 BPSK	1	271	13.09					
100	Pl2 BPSK	135	0	12.88			14.0	0.0	
100	Pl2 BPSK	135	69	13.01			14.0	0.0	
100	Pl2 BPSK	135	138	13.09					
100	Pl2 BPSK	270	0	12.89			14.0	0.0	
100	QPSK	1	1	13.15					
100	QPSK	1	137	13.07			14.0	0.0	
100	QPSK	1	271	13.01					
100	QPSK	135	0	12.84					
100	QPSK	135	69	13.10			14.0	0.0	
100	QPSK	135	138	12.93					
100	QPSK	270	0	12.85			14.0	0.0	
100	16QAM	1	1	12.62			14.0	0.0	
100	64QAM	1	1	12.76			14.0	0.0	
100	256QAM	1	1	12.93			14.0	0.0	
Channel									
Frequency (MHz)									
633000									
3499.98									
80	QPSK	1	1	13.13	13.01	13.06	14.0	0.0	
Channel									
Frequency (MHz)									
632668									
3499.98									
80	QPSK	1	1	13.04	13.14	13.02	14.0	0.0	
Channel									
Frequency (MHz)									
632668									
3499.98									
70	QPSK	1	1	13.12	13.04	13.04	14.0	0.0	
Channel									
Frequency (MHz)									
632000									
3499.98									
60	QPSK	1	1	13.11	13.06	13.08	14.0	0.0	
Channel									
Frequency (MHz)									
631668									
3499.98									
50	QPSK	1	1	13.04	13.02	13.00	14.0	0.0	
Channel									
Frequency (MHz)									
631334									
3499.98									
40	QPSK	1	1	13.07	13.13	13.14	14.0	0.0	
Channel									
Frequency (MHz)									
631000									
3499.98									
30	QPSK	1	1	13.08	13.04	13.05	14.0	0.0	
Channel									
Frequency (MHz)									
630668									
3499.98									
20	QPSK	1	1	13.03	13.01	13.04	14.0	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)									
65000									
100	Pl2 BPSK	1	1	13.00					
100	Pl2 BPSK	1	137	13.12			14.0	0.0	
100	Pl2 BPSK	1	271	13.05					
100	Pl2 BPSK	135	0	13.04			14.0	0.0	
100	Pl2 BPSK	135	69	13.06			14.0	0.0	
100	Pl2 BPSK	135	138	12.96					
100	Pl2 BPSK	270	0	13.01			14.0	0.0	
100	QPSK	1	1	13.14					
100	QPSK	1	137	13.10			14.0	0.0	
100	QPSK	1	271	13.06					
100	QPSK	135	0	12.89					
100	QPSK	135	69	13.07			14.0	0.0	
100	QPSK	135	138	13.00					
100	QPSK	270	0	12.98			14.0	0.0	
100	16QAM	1	1	12.80			14.0	0.0	
100	64QAM	1	1	12.48			14.0	0.0	
100	256QAM	1	1	12.30			14.0	0.0	
Channel									
64998									
Frequency (MHz)				374.52	3750	650532	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	13.10	13.11	13.07	14.0	0.0	
Channel									
64934									
Frequency (MHz)				374.01	3750	650696	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	13.07	13.06	13.06	14.0	0.0	
Channel									
64899									
Frequency (MHz)				37.95	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	13.04	13.10	12.99	14.0	0.0	
Channel									
64889									
Frequency (MHz)				65000	65000	651532	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	13.00	13.00	13.00	14.0	0.0	
Channel									
64834									
Frequency (MHz)				374.01	3750	3724.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	13.05	13.03	13.04	14.0	0.0	
Channel									
64800									
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	13.00	13.02	13.12	14.0	0.0	
Channel									
64764									
Frequency (MHz)				3715.00	3750	3784.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.07	13.04	13.13	14.0	0.0	
Channel									
64724									
Frequency (MHz)				3715.00	3750	3789.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.07	13.09	13.13	14.0	0.0	

[illegible]

[illegible]

Full Power														
Mode	Channel	Frequency (MHz)	Art.7			Tune up Limit	Mode	Channel	Frequency (MHz)	Art.7				Tune up Limit
			Average power (dBm)							Average power (dBm)				
			1Mbps	2Mbps	3Mbps				1Mbps	2Mbps	125kpps	500kpps		
BR / EDR	CH 00	2402	16.90	14.60	14.60	18.50	LE	CH 00	2402	5.10	5.00	5.20	5.00	8.50
	CH 39	2441	16.60	16.30	16.40	20.50		CH 19	2440	7.20	7.10	7.30	7.20	8.50
	CH 76	2480	16.60	13.80	14.00	18.00		CH 39	2480	6.20	6.10	6.30	6.20	8.50
Head Standalone/Simultaneous(2.4G+BT)														
Mode	Channel	Frequency (MHz)	Art.7			Tune up Limit	Mode	Channel	Frequency (MHz)	Art.7				Tune up Limit
			Average power (dBm)							Average power (dBm)				
			1Mbps	2Mbps	3Mbps				1Mbps	2Mbps	125kpps	500kpps		
BR / EDR	CH 00	2402	13.70	13.70	13.60	15.50	LE	CH 00	2402	13.60	13.60	13.50	13.50	15.50
	CH 39	2441	15.50	15.40	15.40	17.30		CH 19	2440	15.40	15.30	15.30	15.40	17.30
	CH 76	2480	13.20	13.20	13.10	15.00		CH 39	2480	13.00	13.00	13.00	13.00	16.00
Head Simultaneous(SG+WWAN+BT)														
Mode	Channel	Frequency (MHz)	Art.7			Tune up Limit	Mode	Channel	Frequency (MHz)	Art.7				Tune up Limit
			Average power (dBm)							Average power (dBm)				
			1Mbps	2Mbps	3Mbps				1Mbps	2Mbps	125kpps	500kpps		
BR / EDR	CH 00	2402	11.60	11.60	11.60	13.50	LE	CH 00	2402	11.60	11.60	11.50	11.50	13.50
	CH 39	2441	13.40	13.40	13.30	14.30		CH 19	2440	13.40	13.30	13.30	13.30	14.30
	CH 76	2480	11.10	11.10	11.00	13.00		CH 39	2480	11.00	11.00	11.00	11.00	13.00
Head Simultaneous(WWAN+2.4G+SG+BT)														
Mode	Channel	Frequency (MHz)	Art.7			Tune up Limit	Mode	Channel	Frequency (MHz)	Art.7				Tune up Limit
			Average power (dBm)							Average power (dBm)				
			1Mbps	2Mbps	3Mbps				1Mbps	2Mbps	125kpps	500kpps		
BR / EDR	CH 00	2402	6.70	6.70	6.70	8.50	LE	CH 00	2402	6.70	6.60	6.50	6.50	8.50
	CH 39	2441	7.60	7.60	7.50	9.30		CH 19	2440	7.50	7.50	7.50	7.50	9.30
	CH 76	2480	6.00	6.00	6.00	8.00		CH 39	2480	6.00	6.00	6.00	6.00	8.00
Body worn&Hotspot Simultaneous(SG+BT)														
Mode	Channel	Frequency (MHz)	Art.7			Tune up Limit	Mode	Channel	Frequency (MHz)	Art.7				Tune up Limit
			Average power (dBm)							Average power (dBm)				
			1Mbps	2Mbps	3Mbps				1Mbps	2Mbps	125kpps	500kpps		
BR / EDR	CH 00	2402	14.40	14.40	14.40	16.00	LE	CH 00	2402	14.40	14.40	14.40	14.30	16.50
	CH 39	2441	16.10	16.00	16.00	17.30		CH 19	2440	16.10	16.10	16.10	16.10	17.30
	CH 76	2480	13.90	13.90	13.90	15.50		CH 39	2480	13.90	13.90	13.90	13.90	16.00
Body worn&Hotspot Simultaneous(WWAN+2.4G+SG+BT)														
Mode	Channel	Frequency (MHz)	Art.7			Tune up Limit	Mode	Channel	Frequency (MHz)	Art.7				Tune up Limit
			Average power (dBm)							Average power (dBm)				
			1Mbps	2Mbps	3Mbps				1Mbps	2Mbps	125kpps	500kpps		
BR / EDR	CH 00	2402	10.20	10.20	10.20	12.00	LE	CH 00	2402	10.20	10.20	10.20	10.20	12.00
	CH 39	2441	12.30	12.20	12.20	13.30		CH 19	2440	12.30	12.20	12.20	12.20	13.30
	CH 76	2480	9.70	9.70	9.70	11.50		CH 39	2480	9.70	9.70	9.70	9.70	11.50