

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	32.00	32.16	32.05	33.10	23.00	23.16	23.05	24.10
GPRS/EDGE(GMSK) 1 Tx slot	31.90	32.12	32.00	33.10	22.90	23.12	23.00	24.10
GPRS/EDGE(GMSK) 2 Tx slots	29.50	29.63	29.55	30.60	23.30	23.63	23.55	24.60
GPRS/EDGE(GMSK) 3 Tx slots	27.96	28.11	28.09	29.10	23.70	23.85	23.83	24.84
GPRS/EDGE(GMSK) 4 Tx slots	26.88	27.05	26.93	27.60	23.88	24.05	23.93	24.60
EDGE 1 Tx slot	26.28	26.30	26.35	26.80	17.28	17.30	17.35	17.80
EDGE 2 Tx slot	25.20	25.25	25.18	25.60	16.30	16.35	16.18	16.60
EDGE 3 Tx slot	23.00	23.03	22.98	23.60	18.74	18.77	18.72	19.34
EDGE 4 Tx slot	21.43	21.45	21.37	22.10	18.43	18.45	18.37	19.10

Full&Default Power Mode									
GSM850_Ant1	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up	
TX Channel	128	188	251	Limit (dBm)	128	188	251	Limit (dBm)	
Frequency (MHz)		834.2	836.4	848.8	834.2	836.4	848.8		
GSM 1 Tx slot		32.16	32.17	32.05	33.50	23.16	23.17	23.05	24.50
GPRS/EDGE(GMSK) 1 Tx slot		32.12	32.15	32.01	33.50	23.12	23.15	23.01	24.50
GPRS/EDGE(GMSK) 2 Tx slots		29.59	29.70	29.65	31.00	23.59	23.70	23.65	25.00
GPRS/EDGE(GMSK) 3 Tx slots		28.01	28.13	28.05	29.50	23.75	23.87	23.70	25.24
GPRS/EDGE(GMSK) 4 Tx slots		26.94	27.08	26.97	28.00	23.94	24.08	23.97	25.00
EDGE 1 Tx slot		26.17	26.30	26.29	27.20	17.17	17.30	17.29	18.20
EDGE 2 Tx slot		25.00	25.12	25.00	26.00	16.00	16.12	16.00	20.00
EDGE 3 Tx slot		22.95	22.96	22.86	24.00	18.69	18.70	18.62	19.74
EDGE 4 Tx slot		21.23	21.35	21.26	22.50	18.23	18.35	18.26	19.50

GSM1900_Ant 5	Burst Average Power (dBm)				Tuneup	Frame-Average Power (dBm)				Tuneup		
TX Channel	812	861	810	Limit	812	861	810	Limit	812	861	810	Limit
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.78	29.83	29.85	30.50	20.78	20.83	20.85	21.50	20.78	20.83	20.85	21.50
GPRS/EDGE(GMSK) 1 Tx slot	29.78	29.80	29.78	30.50	20.78	20.80	20.78	21.50	20.78	20.80	20.78	21.50
GPRS/EDGE(GMSK) 2 Tx slots	27.27	27.42	27.31	28.50	21.27	21.42	21.31	22.50	21.27	21.42	21.31	22.50
GPRS/EDGE(GMSK) 3 Tx slots	25.77	25.83	25.73	26.50	21.51	21.57	21.47	22.54	21.51	21.57	21.47	22.54
GPRS/EDGE(GMSK) 4 Tx slots	24.61	24.65	24.53	25.00	21.61	21.65	21.53	22.00	21.61	21.65	21.53	22.00
EDGE 1 Tx slot	25.64	25.70	25.56	26.50	16.64	16.70	16.56	17.50	16.64	16.70	16.56	17.50
EDGE 2 Tx slot	23.83	23.85	23.82	24.50	17.83	17.85	17.82	18.50	17.83	17.85	17.82	18.50
EDGE 3 Tx slot	21.62	21.70	21.57	22.50	17.36	17.44	17.31	18.24	17.36	17.44	17.31	18.24
EDGE 4 Tx slot	20.62	20.69	20.65	21.50	17.62	17.69	17.65	18.50	17.62	17.69	17.65	18.50

GSM1800_Ant 6	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	812	861	810		812	861	810		
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8			
GSM 1 Tx slot	29.43	29.48	29.42	29.70	20.43	20.48	20.42	20.70		
GPRS/EDGE(GMSK) 1 Tx slot	29.41	29.45	29.39	29.70	20.41	20.45	20.39	20.70		
GPRS/EDGE(GMSK) 2 Tx slots	26.90	26.95	26.88	27.70	20.90	20.95	20.88	21.70		
GPRS/EDGE(GMSK) 3 Tx slots	25.28	25.33	25.30	25.70	21.02	21.07	21.04	21.44		
GPRS/EDGE(GMSK) 4 Tx slots	24.15	24.19	24.12	24.20	21.15	21.19	21.12	21.20		
EDGE 1 Tx slot	25.31	25.48	25.39	25.70	16.31	16.48	16.39	16.70		
EDGE 2 Tx slot	23.23	23.46	23.37	23.70	17.23	17.46	17.37	17.70		
EDGE 3 Tx slot	21.09	21.30	21.20	21.70	16.83	17.04	16.94	17.44		
EDGE 4 Tx slot	20.31	20.50	20.48	20.70	17.31	17.50	17.48	17.70		

Band	WCDMA IV_Ant 5				Tune-up Limit (dBm)	WCDMA IV_Ant 6				Tune-up Limit (dBm)
	TX Channel	9592	9600	9598		9592	9600	9598		
Rx Channel		9602	9600	9598		9602	9600	9598		
Frequency (MHz)		1892.4	1880	1907.6		1892.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	23.03	23.08	23.00	23.80	22.77	22.83	22.79	23.40	
3GPP Rel 99	RM 12.2Kbps	23.05	23.10	23.02	23.80	22.80	22.88	22.85	23.40	
3GPP Rel 6	HS2PA Subset-1	21.99	22.09	22.00	22.80	21.84	21.89	21.77	22.40	
3GPP Rel 6	HS2PA Subset-2	22.00	22.07	21.97	22.80	21.83	21.87	21.80	22.40	
3GPP Rel 6	HS2PA Subset-3	21.56	21.60	21.51	22.30	21.35	21.42	21.31	21.90	
3GPP Rel 6	HS2PA Subset-4	21.48	21.56	21.49	22.30	21.30	21.38	21.29	21.90	
3GPP Rel 8	DC-HS2PA Subset-1	21.88	22.06	21.96	22.80	21.89	21.82	21.73	22.40	
3GPP Rel 8	DC-HS2PA Subset-2	21.88	22.02	21.90	22.80	21.73	21.78	21.69	22.40	
3GPP Rel 8	DC-HS2PA Subset-3	21.55	21.57	21.42	22.30	21.30	21.28	21.19	21.90	
3GPP Rel 8	DC-HS2PA Subset-4	21.37	21.43	21.46	22.30	21.27	21.25	21.22	21.90	
3GPP Rel 6	HS2PA Subset-1	21.05	21.12	21.04	22.80	20.85	20.96	20.87	22.40	
3GPP Rel 6	HS2PA Subset-2	21.04	21.10	21.05	22.80	20.82	20.93	20.85	22.40	
3GPP Rel 6	HS2PA Subset-3	21.06	21.13	21.05	22.80	20.85	20.91	20.88	22.40	
3GPP Rel 6	HS2PA Subset-4	20.55	20.65	20.60	22.30	20.40	20.45	20.38	21.90	
3GPP Rel 6	HS2PA Subset-5	22.00	22.10	22.00	23.80	21.80	21.90	21.80	23.40	
3GPP Rel 7	HS2PA+ (HSDPA) Subset-1	21.07	21.10	21.04	22.30	20.81	20.82	20.87	21.90	

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	1312	1413	1513		
Rx Channel		1337	1438	1738		1337	1438	1738		1337	1438	1738		1337	1438	1738		1337	1438	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		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2kbps	24.08	24.12	24.10	24.80	23.88	23.91	23.85	24.40	23.66	23.72	23.62	24.30	20.78	20.80	20.77	21.60				
3GPP Rel 99	RM-12.2kbps	24.12	24.15	24.13	24.80	23.90	23.95	23.92	24.40	23.70	23.75	23.68	24.30	20.80	20.88	20.83	21.60				
3GPP Rel 6	HS-PA Subset-1	23.17	23.18	23.18	23.80	22.98	22.99	23.01	23.40	22.74	22.66	22.75	23.30	19.99	19.98	19.83	20.60				
3GPP Rel 6	HS-PA Subset-2	23.13	23.11	23.14	23.80	22.96	22.97	22.96	23.40	22.72	22.61	22.71	23.30	19.97	19.90	19.85	20.60				
3GPP Rel 6	HS-PA Subset-3	22.70	22.68	22.71	23.30	22.50	22.49	22.52	22.90	22.24	22.19	22.25	22.80	19.45	19.37	19.34	20.10				
3GPP Rel 6	HS-PA Subset-4	22.63	22.62	22.65	23.30	22.43	22.51	22.48	22.90	22.20	22.15	22.23	22.80	19.47	19.40	19.30	20.10				
3GPP Rel 8	DC-HS-PA Subset-1	23.11	23.07	23.16	23.80	22.96	22.88	22.86	23.40	22.73	22.65	22.63	23.30	19.92	19.78	19.77	20.60				
3GPP Rel 8	DC-HS-PA Subset-2	23.04	22.98	23.08	23.80	22.83	22.88	22.86	23.40	22.66	22.46	22.66	23.30	19.89	19.89	19.84	20.60				
3GPP Rel 8	DC-HS-PA Subset-3	22.64	22.59	22.62	23.30	22.37	22.47	22.40	22.90	22.13	22.08	22.14	22.80	19.44	19.24	19.28	20.10				
3GPP Rel 8	DC-HS-PA Subset-4	22.51	22.50	22.50	23.30	22.33	22.49	22.45	22.90	22.18	22.14	22.08	22.80	19.36	19.32	19.16	20.10				
3GPP Rel 6	HS-PA Subset-1	22.18	22.14	22.22	22.80	22.02	22.07	22.04	22.40	21.70	21.69	21.72	22.30	19.63	18.83	18.86	19.60				
3GPP Rel 6	HS-PA Subset-2	22.21	22.16	22.25	22.80	22.10	22.08	22.05	22.40	21.74	21.66	21.76	22.30	19.00	18.80	18.84	19.60				
3GPP Rel 6	HS-PA Subset-3	22.21	22.15	22.18	22.80	22.03	22.06	22.02	22.40	21.68	21.72	21.70	22.30	18.82	18.89	18.86	19.60				
3GPP Rel 6	HS-PA Subset-4	21.70	21.70	21.72	22.30	21.54	21.56	21.50	21.90	21.32	21.16	21.27	21.80	18.50	18.38	18.44	19.10				
3GPP Rel 6	HS-PA Subset-5	23.20	23.20	23.20	23.80	23.00	23.00	23.00	23.40	22.80	22.70	22.80	23.30	20.00	19.90	19.90	20.60				
3GPP Rel 7	HS-PA+ (HSDPA) Subset-1	21.98	22.09	22.05	23.80	21.84	21.87	21.76	23.40	21.76	21.82	21.72	23.30	18.84	18.62	18.91	20.60				

Band	WCDMA_V_Ant_0				Tune-up Limit (dBm)	WCDMA_V_Ant_1				Tune-up Limit (dBm)
	TX Channel	4132	4162	4233		4132	4162	4233		
Rx Channel		4387	4407	4468		4387	4407	4468		
Frequency (MHz)		834.4	836.4	848.6		834.4	836.4	848.6		
3GPP Rel 99	AMR 12.2Kbps	23.85	23.83	23.82	24.40	24.30	24.33	24.35	24.60	
3GPP Rel 99	RM 12.2Kbps	23.86	23.87	23.84	24.40	24.24	24.28	24.27	24.60	
3GPP Rel 6	HS-PA Subset-1	22.85	22.84	22.87	23.40	23.30	23.24	23.33	23.80	
3GPP Rel 6	HS-PA Subset-2	22.83	22.84	22.84	23.40	23.29	23.26	23.29	23.80	
3GPP Rel 6	HS-PA Subset-3	22.37	22.35	22.41	22.90	22.83	22.80	22.89	23.30	
3GPP Rel 6	HS-PA Subset-4	22.33	22.35	22.34	22.90	22.81	22.73	22.85	23.30	
3GPP Rel 6	DC-HS-PA Subset-1	22.83	22.77	22.73	23.40	23.26	23.22	23.26	23.80	
3GPP Rel 8	DC-HS-PA Subset-2	22.77	22.71	22.62	23.40	23.18	23.19	23.19	23.80	
3GPP Rel 8	DC-HS-PA Subset-3	22.25	22.30	22.26	22.80	22.12	22.15	22.17	23.30	
3GPP Rel 8	DC-HS-PA Subset-4	22.25	22.28	22.27	22.80	22.12	22.15	22.17	23.30	
3GPP Rel 6	HS-PA Subset-1	21.84	21.82	21.86	22.40	22.25	22.26	22.29	22.80	
3GPP Rel 6	HS-PA Subset-2	21.83	21.83	21.85	22.40	22.28	22.28	22.28	22.80	
3GPP Rel 6	HS-PA Subset-3	21.84	21.84	21.86	22.40	22.29	22.27	22.28	22.80	
3GPP Rel 6	HS-PA Subset-4	21.36	21.34	21.36	21.90	21.21	21.73	21.73	23.30	
3GPP Rel 6	HS-PA Subset-1	22.80	22.81	22.80	23.40	23.30	23.30	23.30	23.80	
3GPP Rel 7	HS-PA (16QAM) Subset-1	21.75	21.86	21.84	22.40	22.25	22.31	22.21	23.80	



Appendix E

Report No. : FA521816

Band 4_Ant 5										
BW (MHz)	Modulation	RE Size	RB Offset	Power Level Ch. 1 (mW)	Power Level Ch. 2 (mW)	Power Level Ch. 3 (mW)	Tau sec	MFR (dB)		
Channel										
Frequency (MHz)										
1720 ~ 1732.5 ~ 1745										
20	QPSK	1	0	24.12	24.22	24.13				
20	QPSK	1	45	24.04	24.14	24.10	25	0		
20	QPSK	1	90	24.08	24.09	24.03				
20	QPSK	50	0	23.65	23.76	23.66				
20	QPSK	50	24	23.67	23.64	23.62	24.5	0.5		
20	QPSK	50	48	23.67	23.61	23.64				
20	QPSK	100	0	23.57	23.67	23.65				
20	QPSK	100	24	23.51	23.65	23.64	24.5	0.5		
20	QPSK	100	48	23.50	23.58	23.56				
20	QPSK	50	0	23.30	23.25	23.19				
20	QPSK	50	24	23.30	23.25	23.19	24	1		
20	QPSK	50	48	23.30	23.12	23.16				
20	QPSK	100	0	23.64	23.15	23.10				
20	QPSK	100	24	23.62	23.09	23.07	24	1		
20	QPSK	100	48	22.79	23.02	23.03				
20	QPSK	1	45	22.81	22.89	22.73				
20	QPSK	1	90	22.80	22.75	22.70				
20	QPSK	50	0	22.93	22.25	22.19	23	2		
20	QPSK	50	24	22.93	22.11	22.09				
20	QPSK	50	48	22.93	22.11	22.09				
20	QPSK	100	0	18.31	18.40	18.32				
20	QPSK	100	24	18.34	18.39	18.38	20	5		
20	QPSK	100	48	18.34	18.37	18.13				
20	QPSK	50	0	18.33	18.39	18.33				
20	QPSK	50	24	18.34	18.25	18.23	20	5		
20	QPSK	50	48	18.14	18.29	18.27				
20	QPSK	100	0	18.19	18.29	18.28				
20	QPSK	100	24	18.19	18.29	18.28	20	5		
Channel										
Frequency (MHz)										
1732.5 ~ 1736.5 ~ 1747.5										
15	QPSK	1	0	24.08	24.14	24.01				
15	QPSK	1	37	24.00	24.11	24.02	25	0		
15	QPSK	1	74	23.96	24.04	23.97				
15	QPSK	36	0	23.63	23.73	23.61				
15	QPSK	36	20	23.69	23.61	23.68	24.5	0.5		
15	QPSK	36	40	23.62	23.68	23.65				
15	QPSK	75	0	23.44	23.55	23.52				
15	QPSK	75	0	23.40	23.75	23.64	24.5	0.5		
15	QPSK	75	20	23.42	23.12	23.10				
15	QPSK	75	40	23.40	23.67	23.68				
15	QPSK	36	0	22.91	23.21	23.04				
15	QPSK	36	20	23.00	23.15	23.16	24	1		
15	QPSK	36	40	23.00	23.07	23.12				
15	QPSK	75	0	22.95	23.10	23.05				
15	QPSK	75	20	22.91	22.91	22.95	24	1		
15	QPSK	75	40	22.91	22.92	22.95				
15	QPSK	1	37	22.70	22.93	22.95				
15	QPSK	1	74	22.66	22.75	22.61				
15	QPSK	36	0	21.96	22.14	22.17	23	2		
15	QPSK	36	20	21.96	22.09	22.17				
15	QPSK	36	40	21.96	22.07	22.04				
15	QPSK	75	0	21.90	21.97	21.94				
15	QPSK	75	20	21.90	21.86	21.87	20	5		
15	QPSK	75	40	21.90	21.83	21.86				
15	QPSK	1	0	18.27	18.38	18.17				
15	QPSK	1	37	18.15	18.25	18.16	20	5		
15	QPSK	1	74	18.15	18.23	18.16				
15	QPSK	36	0	18.20	18.36	18.27				
15	QPSK	36	20	18.20	18.25	18.22	20	5		
15	QPSK	36	40	18.20	18.20	18.22				
15	QPSK	75	0	18.08	18.22	18.20				
15	QPSK	75	20	18.08	18.22	18.20	20	5		
15	QPSK	75	40	18.08	18.22	18.20				
Channel										
Frequency (MHz)										
1747.5 ~ 1750.5 ~ 1760										
15	QPSK	1	0	23.98	24.12	24.01				
15	QPSK	1	25	23.94	24.19	24.04	25	0		
15	QPSK	1	50	23.90	24.14	24.00				
15	QPSK	25	0	23.54	23.61	23.64				
15	QPSK	25	12	23.47	23.60	23.49	24.5	0.5		
15	QPSK	25	24	23.47	23.54	23.54				
15	QPSK	50	0	23.48	23.62	23.59				
15	QPSK	50	12	23.40	23.64	23.54	24.5	0.5		
15	QPSK	50	24	23.39	23.66	23.61				
15	QPSK	100	0	23.29	23.68	23.63				
15	QPSK	100	12	23.29	23.63	23.63	24	1		
15	QPSK	100	24	23.29	23.54	23.53				
15	QPSK	25	0	22.97	23.04	23.06				
15	QPSK	25	12	22.97	22.98	23.03	24	1		
15	QPSK	25	24	22.97	22.98	23.03				
15	QPSK	50	0	22.78	22.90	22.92				
15	QPSK	50	12	22.70	22.83	22.72	24	1		
15	QPSK	50	24	22.70	22.78	22.87				
15	QPSK	100	0	21.90	22.18	22.14				
15	QPSK	100	12	21.90	22.12	22.16	23	2		
15	QPSK	100	24	21.90	22.07	22.07				
15	QPSK	25	0	18.20	18.30	18.22				
15	QPSK	25	12	18.20	18.25	18.22	20	5		
15	QPSK	25	24	18.20	18.20	18.22				
15	QPSK	50	0	18.08	18.19	18.20				
15	QPSK	50	12	18.08	18.19	18.20	20	5		
15	QPSK	50	24	18.08	18.19	18.20				
Channel										
Frequency (MHz)										
1750.5 ~ 1752.5 ~ 1762.5										
5	QPSK	1	0	24.05	24.09	24.12				
5	QPSK	1	12	24.00	24.07	24.03	25	0		
5	QPSK	1	24	23.95	24.03	23.95				
5	QPSK	12	0	23.54	23.61	23.61				
5	QPSK	12	7	23.54	23.67	23.53	24.5	0.5		
5	QPSK	12	14	23.47	23.60	23.52				
5	QPSK	25	0	23.43	23.54	23.53				
5	QPSK	25	0	23.40	23.79	23.68	24.5	0.5		
5	QPSK	25	12	23.41	23.69	23.62				
5	QPSK	25	24	23.40	23.66	23.63				
5	QPSK	12	0	23.62	23.20	23.07				
5	QPSK	12	7	23.62	23.15	23.14	24	1		
5	QPSK	12	14	23.62	23.04	23.03				
5	QPSK	25	0	22.94	23.06	23.15				
5	QPSK	25	12	22.85	22.85	22.89	24	1		
5	QPSK	25	24	22.85	22.86	22.92				
5	QPSK	1	12	22.60	22.80	22.82	24	1		
5	QPSK	1	24	22.72	22.77	22.85				
5	QPSK	12	0	21.96	22.02	22.12				
5	QPSK	12	7	22.00	22.12	22.10	23	2		
5	QPSK	12	14	21.96	22.03	22.05				
5	QPSK	25	0	21.90	22.02	22.00				
5	QPSK	25	12	21.90	21.87	21.86	20	5		
5	QPSK	25	24	21.90	21.83	21.86				
5	QPSK	1	0	18.20	18.30	18.22				
5	QPSK	1	12	18.15	18.25	18.16	20	5		
5	QPSK	1	24	18.15	18.23	18.16				
5	QPSK	12	0	18.20	18.36	18.27				
5	QPSK	12	7	18.20	18.30	18.22	20	5		
5	QPSK	12	14	18.20	18.20	18.22				
5	QPSK	25	0	18.08	18.19	18.20				
5	QPSK	25	12	18.08	18.19	18.20	20	5		
5	QPSK	25	24	18.08	18.19	18.20				
Channel										
Frequency (MHz)										
1762.5 ~ 1765.5 ~ 1775.5										
1.4	QPSK	1	0	24.07	24.02	24.04				
1.4	QPSK	1	3	24.05	24.12	24.03	25	0		
1.4	QPSK	1	6	23.94	24.15	24.01				
1.4	QPSK	3	0	23.66	24.11	24.12				
1.4	QPSK	3	6	23.65	23.65	23.62	24.5	0.5		
1.4	QPSK	6	0	23.50	23.68	23.54				
1.4	QPSK	6	3	23.40	23.69	23.61	24.5	0.5		
1.4	QPSK	6	6	23.40	23.63	23.57				
1.4	QPSK	15	0	23.62	23.13	23.16				
1.4	QPSK	15	3	23						

Band 5_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Med Ch / Freqs	Power High Ch / Freqs	Timeuse (int)	MFR (dB)		
Channel										
Frequency (MHz)				326.5	338.5	344				
10	QPSK	1	0	24.12	24.15	24.38	24.5	0		
10	QPSK	1	25	23.98	24.10	24.01				
10	QPSK	1	49	24.07	23.99	24.07				
10	QPSK	25	0	23.55	23.60	23.52				
10	QPSK	25	12	23.52	23.49	23.48				
10	QPSK	25	25	23.52	23.52	23.38	24	0.5		
10	QPSK	50	0	23.51	23.53	23.51				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.66				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65	24	1		
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.66				
10	QPSK	1	49	23.60	23.68	23.75	23	2		
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65	24	1		
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86	20	5		
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61	20	5		
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61	20	5		
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65	20	5		
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75	20	5		
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65	20	5		
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86	20	5		
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61	20	5		
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61	20	5		
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65	20	5		
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75	20	5		
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65	20	5		
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86	20	5		
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61	20	5		
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61	20	5		
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65	20	5		
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75	20	5		
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65	20	5		
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86	20	5		
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61	20	5		
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61	20	5		
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65	20	5		
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75	20	5		
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65	20	5		
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86	20	5		
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61	20	5		
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25	12	23.63	23.63	23.61	20	5		
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75				
10	QPSK	25	0	23.63	23.68	23.65	20	5		
10	QPSK	25	12	23.63	23.63	23.61				
10	QPSK	50	0	23.60	23.63	23.61				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.62	23.77	23.65				
10	QPSK	1	49	23.60	23.68	23.75	20	5		
10	QPSK	25	0	23.63	23.68	23.65				
10	QPSK	25								

Band 7_Ant 11									
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch. F (Hz)	Power Mide Ch. F (Hz)	Power High Ch. F (Hz)	Timeup int (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20950 20950 21060 21060									
20	QPSK	1	0	23.55	23.59	23.58			
20	QPSK	1	45	23.62	23.52	23.94	24.4	0	
20	QPSK	1	90	23.67	23.75	23.62			
20	QPSK	50	0	23.55	23.62	23.44			
20	QPSK	50	24	23.55	23.42	23.37			
20	QPSK	50	50	23.62	23.41	23.37	23.0	0.5	
20	QPSK	100	0	23.41	23.42	23.37			
20	HQAM	1	5	23.74	23.71	23.66			
20	HQAM	1	49	23.72	23.75	23.71	23.0	0.5	
20	HQAM	1	99	23.44	23.64	23.56			
20	HQAM	50	0	22.65	22.51	22.62			
20	HQAM	50	24	22.65	22.51	22.62			
20	HQAM	50	50	22.67	22.63	22.84	23.4	1	
20	HQAM	100	0	22.65	22.66	22.66			
20	HQAM	1	0	22.75	22.71	22.75			
20	HQAM	1	49	22.10	22.29	22.15	23.4	1	
20	HQAM	1	99	22.65	22.30	22.18			
20	HQAM	50	0	21.85	21.98	21.93			
20	HQAM	50	24	21.91	21.93	21.88			
20	HQAM	50	50	21.94	21.92	21.84	22.4	2	
20	HQAM	100	0	21.87	21.86	21.85			
20	SSBQAM	1	0	18.40	18.60	18.55			
20	SSBQAM	1	49	18.55	18.54	18.44	19.4	5	
20	SSBQAM	1	99	18.43	18.55	18.44			
20	SSBQAM	50	0	18.50	18.49	18.41			
20	SSBQAM	50	24	18.47	18.50	18.46	19.4	5	
20	SSBQAM	50	50	18.40	18.49	18.37			
20	SSBQAM	100	0	18.41	18.53	18.41			
Channel									
20955 21060 21075									
Frequency (MHz)									
20955 20955 20965 20965									
15	QPSK	1	0	23.69	23.81	23.83			
15	QPSK	1	37	23.64	23.67	23.52	24.4	0	
15	QPSK	1	74	23.72	23.66	23.61			
15	QPSK	36	0	23.52	23.36	23.30			
15	QPSK	36	20	23.28	23.35	23.26	23.0	0.5	
15	QPSK	36	39	23.29	23.26	23.24			
15	QPSK	75	0	23.27	23.26	23.29			
15	HQAM	1	0	23.68	23.62	23.62			
15	HQAM	1	37	23.77	23.81	23.79	23.0	0.5	
15	HQAM	1	74	23.58	23.72	23.69			
15	HQAM	36	0	22.62	22.56	22.78			
15	HQAM	36	20	22.72	22.64	22.67	23.4	1	
15	HQAM	36	39	22.68	22.90	22.82			
15	HQAM	75	0	22.70	22.79	22.73			
15	HQAM	1	0	22.72	22.69	22.18			
15	HQAM	1	37	22.07	22.25	22.05	23.4	1	
15	HQAM	1	74	21.95	22.76	22.69			
15	HQAM	36	0	21.52	21.52	21.80			
15	HQAM	36	20	21.67	21.79	21.82	22.4	2	
15	SSBQAM	1	0	18.50	18.59	18.45			
15	SSBQAM	1	49	18.46	18.51	18.42	19.4	5	
15	SSBQAM	1	74	18.45	18.45	18.40			
15	SSBQAM	36	0	18.51	18.49	18.40			
15	SSBQAM	36	20	18.44	18.54	18.44	19.4	5	
15	SSBQAM	36	39	18.39	18.44	18.36			
15	SSBQAM	75	0	18.52	18.52	18.37			
Channel									
20960 21060 21060									
Frequency (MHz)									
20960 20960 20965 20965									
15	QPSK	1	0	23.80	23.81	23.83			
15	QPSK	1	25	23.80	23.68	23.88	24.4	0	
15	QPSK	1	49	23.84	23.65	23.86			
15	QPSK	25	0	23.40	23.43	23.33			
15	QPSK	25	12	23.50	23.41	23.28	23.0	0.5	
15	QPSK	25	25	23.39	23.26	23.22			
15	QPSK	50	0	23.34	23.36	23.25			
15	HQAM	1	0	23.65	23.67	23.84			
15	HQAM	1	25	23.62	23.67	23.88	23.0	0.5	
15	HQAM	1	49	23.63	23.77	23.84			
15	HQAM	25	0	22.63	22.56	22.85			
15	HQAM	25	12	22.61	22.78	22.79			
15	HQAM	25	25	22.77	22.89	22.83	23.4	1	
15	HQAM	50	0	22.68	22.74	22.71			
15	HQAM	1	0	22.65	22.14	22.18			
15	HQAM	1	25	22.05	22.20	22.10	23.4	1	
15	HQAM	1	49	22.65	22.24	22.08			
15	HQAM	25	0	21.74	21.93	21.87			
15	HQAM	25	12	21.90	21.85	21.83	22.4	2	
15	HQAM	25	25	21.76	21.75	21.69			
15	HQAM	50	0	21.86	21.80	21.76			
15	SSBQAM	1	0	18.54	18.49	18.54	19.4	5	
15	SSBQAM	1	25	18.56	18.53	18.37			
15	SSBQAM	1	49	18.37	18.46	18.41			
15	SSBQAM	25	0	18.54	18.55	18.31			
15	SSBQAM	25	12	18.46	18.50	18.34	19.4	5	
15	SSBQAM	25	25	18.32	18.36	18.25			
15	SSBQAM	50	0	18.52	18.39	18.40			
Channel									
20975 21060 21425									
Frequency (MHz)									
20975 20975 20985 20985									
5	QPSK	1	0	23.67	23.81	23.89			
5	QPSK	1	12	23.65	23.68	23.88	24.4	0	
5	QPSK	1	24	23.72	23.65	23.86			
5	QPSK	12	0	23.30	23.39	23.34			
5	QPSK	12	7	23.28	23.34	23.28	23.0	0.5	
5	QPSK	12	13	23.23	23.26	23.31			
5	QPSK	25	0	23.36	23.31	23.25			
5	HQAM	1	0	23.90	23.83	23.87			
5	HQAM	1	12	23.85	23.85	23.88	23.0	0.5	
5	HQAM	1	24	23.54	23.84	23.73			
5	HQAM	12	0	22.84	22.90	22.83			
5	HQAM	12	7	22.87	22.89	22.83	23.4	1	
5	HQAM	12	13	22.72	22.84	22.75			
5	HQAM	25	0	22.78	22.79	22.79			
5	HQAM	1	0	22.69	22.15	22.12			
5	HQAM	1	12	21.99	22.19	22.04	23.4	1	
5	HQAM	1	24	21.95	22.23	22.08			
5	HQAM	12	0	21.68	21.84	21.82			
5	HQAM	12	7	21.61	21.89	21.83	22.4	2	
5	HQAM	12	13	21.75	21.88	21.76			
5	HQAM	25	0	21.82	21.79	21.80			
5	SSBQAM	1	0	18.57	18.57	18.54	19.4	5	
5	SSBQAM	1	12	18.48	18.44	18.43			
5	SSBQAM	1	24	18.35	18.45	18.35			
5	SSBQAM	12	0	18.28	18.45	18.27			
5	SSBQAM	12	7	18.20	18.28	18.31	19.4	5	
5	SSBQAM	12	13	18.38	18.36	18.25			
5	SSBQAM	25	0	18.55	18.50	18.36			

Band 7_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Mide Ch. F (Hz)	Power High Ch. F (Hz)	Time-up int. (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20950 21060 21060 21060									
20	QPSK	1	0	19.33	19.78	20.00			
20	QPSK	1	45	19.24	19.67	19.88	21	0	
20	QPSK	1	90	19.26	19.67	19.81			
20	QPSK	50	0	19.33	19.75	19.56			
20	QPSK	50	24	19.19	19.70	19.50	21	0	
20	QPSK	50	50	19.25	19.72	19.84			
20	QPSK	100	0	19.28	19.75	19.57			
20	HQAM	1	5	19.25	19.72	19.53			
20	HQAM	1	49	19.32	19.68	19.85	21	0	
20	HQAM	1	99	19.29	19.67	19.88			
20	HQAM	50	0	18.52	18.85	19.22			
20	HQAM	50	24	18.45	18.85	19.10			
20	HQAM	50	50	18.40	18.79	19.07	20	1	
20	HQAM	100	0	18.43	18.81	19.09			
20	HQAM	1	0	18.40	18.80	19.19			
20	HQAM	1	49	18.51	18.71	19.08	20	1	
20	HQAM	1	99	18.42	18.76	19.08			
20	HQAM	50	0	17.69	18.00	19.25			
20	HQAM	50	24	17.75	18.92	19.22			
20	HQAM	50	50	17.80	18.65	19.23	19	2	
20	HQAM	100	0	17.83	18.00	19.28			
20	SSBQAM	1	0	14.50	14.87	15.17			
20	SSBQAM	1	49	14.53	14.82	15.14	16	5	
20	SSBQAM	1	99	14.45	14.85	15.07			
20	SSBQAM	50	0	13.68	13.90	14.35			
20	SSBQAM	50	24	13.36	13.74	15.08			
20	SSBQAM	50	50	13.42	14.07	15.15	16	5	
20	SSBQAM	100	0	13.40	14.02	15.08			
Channel									
Frequency (MHz)									
20950 21160 21160 21160									
15	QPSK	1	0	19.33	19.94	20.19			
15	QPSK	1	45	19.24	19.84	20.07	21	0	
15	QPSK	1	90	19.16	19.75	19.83			
15	QPSK	38	0	19.17	19.81	19.88			
15	QPSK	38	20	19.08	19.68	19.78	21	0	
15	QPSK	38	50	19.20	19.69	19.79			
15	QPSK	74	0	19.10	19.70	19.83			
15	HQAM	1	37	19.21	19.63	19.87	21	0	
15	HQAM	1	71	19.12	19.52	19.83			
15	HQAM	38	0	18.38	18.83	19.14			
15	HQAM	38	20	18.33	18.68	19.08	20	1	
15	HQAM	38	50	18.36	18.77	19.07			
15	HQAM	74	0	18.26	18.74	19.07			
15	HQAM	1	0	18.08	18.58	19.03	20	1	
15	HQAM	1	74	18.28	18.75	19.06			
15	HQAM	38	0	17.65	17.83	19.20			
15	HQAM	38	20	17.62	17.82	19.13			
15	HQAM	38	50	17.68	17.78	19.13	19	2	
15	HQAM	74	0	17.53	17.88	19.13			
15	SSBQAM	1	0	14.38	14.73	15.04			
15	SSBQAM	1	74	14.41	14.79	15.02	16	5	
15	SSBQAM	38	0	14.35	14.68	15.03			
15	SSBQAM	38	20	14.29	14.73	15.03			
15	SSBQAM	38	50	14.48	14.85	15.13	16	5	
15	SSBQAM	74	0	14.30	14.68	15.01			
Channel									
Frequency (MHz)									
20950 21330 21330 21330									
10	QPSK	1	0	19.33	19.90	19.91			
10	QPSK	1	45	19.27	19.84	19.87	21	0	
10	QPSK	1	49	19.21	19.53	19.79			
10	QPSK	25	0	19.22	19.63	19.81			
10	QPSK	25	12	19.15	19.54	19.78	21	0	
10	QPSK	25	25	19.20	19.65	19.80			
10	HQAM	1	0	19.25	19.70	19.78			
10	HQAM	1	24	19.14	19.61	19.81	21	0	
10	HQAM	1	25	19.14	19.54	19.88			
10	HQAM	25	0	19.08	19.68	19.83			
10	HQAM	25	0	19.51	19.76	19.79			
10	HQAM	25	12	19.25	19.77	19.77	20	1	
10	HQAM	25	25	19.20	19.70	19.83			
10	HQAM	50	0	18.42	18.68	19.01			
10	HQAM	1	0	18.27	18.72	19.06			
10	HQAM	1	49	18.38	18.68	19.01	20	1	
10	HQAM	1	49	18.40	18.61	19.01			
10	HQAM	25	0	17.65	17.82	19.22			
10	HQAM	25	12	17.58	17.90	19.21			
10	HQAM	25	25	17.75	18.04	19.22	19	2	
10	HQAM	50	0	17.81	17.88	19.17			
10	SSBQAM	1	0	14.38	14.73	15.04			
10	SSBQAM	1	24	14.38	14.67	15.08	16	5	
10	SSBQAM	1	49	14.42	14.79	15.03			
10	SSBQAM	25	0	14.29	14.68	15.03			
10	SSBQAM	25	12	14.27	14.61	14.99	16	5	
10	SSBQAM	25	25	14.51	14.81	15.07			
10	SSBQAM	50	0	14.30	14.68	15.01			
Channel									
Frequency (MHz)									
20950 21530 21530 21530									
5	QPSK	1	0	19.32	19.83	19.81			
5	QPSK	1	24	19.16	19.54	19.86	21	0	
5	QPSK	12	0	19.26	19.60	19.84			
5	QPSK	12	12	19.20	19.50	19.81	21	0	
5	QPSK	12	13	19.21	19.70	19.90			
5	QPSK	25	0	19.19	19.58	19.87			
5	HQAM	1	12	19.28	19.54	19.81	21	0	
5	HQAM	1	24	19.20	19.57	19.81			
5	HQAM	12	0	19.49	19.72	19.09			
5	HQAM	12	7	19.28	18.89	19.05	20	1	
5	HQAM	12	13	19.20	19.50	19.81			
5	HQAM	25	0	19.39	19.75	19.07			
5	HQAM	1	0	18.29	18.77	19.13			
5	HQAM	1	24	18.38	18.67	19.01	20	1	
5	HQAM	1	24	19.37	19.65	19.02			
5	HQAM	12	0	17.84	17.84	19.14			
5	HQAM	12	7	17.80	17.80	19.20			
5	HQAM	12	13	17.67	18.00	19.17			
5	HQAM	25	0	17.51	17.88	19.16			
5	SSBQAM	1	0	14.32	14.62	15.12			
5	SSBQAM	1	12	14.50	14.67	15.10	16	5	
5	SSBQAM	1	24	14.32	14.71	15.02			
5	SSBQAM	12	0	14.30	14.68	15.10			
5	SSBQAM	12	7	14.26	14.68	14.98	16	5	
5	SSBQAM	12	13	14.50	14.81	15.11			

Band 12_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Timeuse (int (dB))	MFR (dB)		
Channel										
Frequency (MHz)										
704 709.5 711.1										
10	QPSK	1	0	22.85	22.88	22.94	23.8	0		
10	QPSK	1	25	22.73	22.80	22.78				
10	QPSK	1	49	22.73	22.80	22.78				
10	QPSK	25	0	22.25	22.33	22.38				
10	QPSK	25	12	22.25	22.17	22.16				
10	QPSK	25	25	22.32	22.32	22.25	23.3	0.5		
10	QPSK	50	0	22.27	22.30	22.23				
10	HQAM	1	0	22.61	22.63	22.64				
10	HQAM	1	25	22.45	22.42	22.58				
10	HQAM	1	49	21.79	21.81	21.86				
10	HQAM	25	0	21.67	21.64	21.68	22.8	1		
10	HQAM	25	12	21.72	21.62	21.70				
10	HQAM	25	25	21.79	21.80	21.74				
10	HQAM	50	0	21.77	21.84	21.79				
10	HQAM	50	1	21.59	21.58	21.58				
10	HQAM	1	25	21.50	21.52	21.50	22.8	1		
10	HQAM	1	49	21.35	21.33	21.47				
10	HQAM	25	0	20.70	20.64	20.65				
10	HQAM	25	12	20.74	20.59	20.70				
10	HQAM	25	25	20.74	20.70	20.68				
10	HQAM	50	0	20.71	20.66	20.72	21.8	2		
10	SSBQAM	1	0	17.67	17.78	17.75				
10	SSBQAM	1	25	17.62	17.65	17.65				
10	SSBQAM	1	49	17.65	17.66	17.68				
10	SSBQAM	25	0	17.68	17.74	17.64				
10	SSBQAM	25	12	17.68	17.63	17.55	18.8	5		
10	SSBQAM	25	25	17.62	17.74	17.64				
10	SSBQAM	50	0	17.71	17.72	17.69				
Channel										
Frequency (MHz)										
705.5 709.5 713.5										
5	QPSK	1	0	22.85	22.79	22.86	23.8	0		
5	QPSK	1	12	22.73	22.84	22.73				
5	QPSK	1	24	22.73	22.84	22.73				
5	QPSK	12	0	22.18	22.15	22.15				
5	QPSK	12	13	22.12	22.12	22.15				
5	QPSK	25	0	22.17	22.25	22.08	23.3	0.5		
5	HQAM	1	0	21.54	21.59	21.67				
5	HQAM	1	24	21.47	21.38	21.53				
5	HQAM	12	0	21.60	21.50	21.67				
5	HQAM	12	7	21.59	21.50	21.68				
5	HQAM	12	13	21.69	21.56	21.67	22.8	1		
5	HQAM	25	0	21.66	21.54	21.69				
5	HQAM	1	12	21.41	21.42	21.43				
5	HQAM	1	24	21.34	21.27	21.46				
5	HQAM	12	0	20.92	20.92	20.94				
5	HQAM	12	7	20.95	20.94	20.97	21.8	2		
5	HQAM	12	13	20.96	20.95	20.97				
5	HQAM	25	0	20.95	20.95	20.95				
5	SSBQAM	1	0	17.59	17.52	17.55				
5	SSBQAM	1	12	17.61	17.65	17.44				
5	SSBQAM	1	24	17.57	17.65	17.44	18.8	5		
5	SSBQAM	12	0	17.63	17.65	17.44				
5	SSBQAM	12	7	17.52	17.62	17.55				
5	SSBQAM	25	0	17.57	17.70	17.64				
Channel										
Frequency (MHz)										
706.5 709.5 714.5										
3	QPSK	1	0	22.85	22.87	22.98	23.8	0		
3	QPSK	1	8	22.72	22.86	22.83				
3	QPSK	1	14	22.73	22.75	22.76				
3	QPSK	8	0	22.32	22.32	22.13				
3	QPSK	8	4	22.21	22.11	22.11				
3	QPSK	8	7	22.12	22.04	22.17	23.3	0.5		
3	QPSK	15	0	22.13	22.16	22.15				
3	HQAM	1	0	22.48	22.43	22.39				
3	HQAM	1	8	22.48	22.28	22.56				
3	HQAM	1	14	22.59	22.48	22.41				
3	HQAM	8	0	21.54	21.53	21.61	22.8	1		
3	HQAM	8	4	21.68	21.55	21.62				
3	HQAM	8	7	21.69	21.47	21.70				
3	HQAM	15	0	21.69	21.63	21.67				
3	HQAM	1	0	21.43	21.52	21.55				
3	HQAM	1	8	21.45	21.41	21.37	22.8	1		
3	HQAM	1	14	21.25	21.19	21.33				
3	HQAM	8	0	20.99	20.95	20.97				
3	HQAM	8	4	20.70	20.50	20.69				
3	HQAM	8	7	20.86	20.62	20.57				
3	HQAM	15	0	20.86	20.54	20.94	21.8	2		
3	SSBQAM	1	0	17.63	17.69	17.46				
3	SSBQAM	1	8	17.66	17.68	17.46				
3	SSBQAM	1	14	17.54	17.60	17.48				
3	SSBQAM	8	0	17.67	17.69	17.52				
3	SSBQAM	8	4	17.60	17.62	17.41	18.8	5		
3	SSBQAM	8	7	17.52	17.73	17.53				
3	SSBQAM	15	0	17.68	17.67	17.58				
Channel										
Frequency (MHz)										
2097.7 2099.5 2101.9										
2097.7 2097.5 2103.5										
1.4	QPSK	1	0	22.85	22.71	22.54	23.8	0		
1.4	QPSK	1	3	22.72	22.75	22.80				
1.4	QPSK	1	6	22.72	22.74	22.70				
1.4	QPSK	3	0	22.71	22.85	22.55				
1.4	QPSK	3	1	22.74	22.74	22.78				
1.4	QPSK	3	3	22.73	22.73	22.86	23.3	0.5		
1.4	QPSK	6	0	22.34	22.17	22.22				
1.4	HQAM	1	0	22.50	22.41	22.44				
1.4	HQAM	1	3	22.41	22.38	22.56				
1.4	HQAM	1	6	22.69	22.81	22.49				
1.4	HQAM	3	0	22.49	22.40	22.42	23.3	0.5		
1.4	HQAM	3	3	22.38	22.39	22.56				
1.4	HQAM	3	3	22.71	22.82	22.43				
1.4	HQAM	6	0	21.66	21.59	21.72				
1.4	HQAM	1	0	21.40	21.46	21.46				
1.4	HQAM	1	3	21.49	21.39	21.45	22.8	1		
1.4	HQAM	1	6	21.24	21.29	21.33				
1.4	HQAM	3	0	21.41	21.48	21.43				
1.4	HQAM	3	1	21.49	21.48	21.47				
1.4	HQAM	6	0	21.27	21.21	21.41				
1.4	HQAM	6	0	20.97	20.93	20.98	21.8	2		
1.4	SSBQAM	1	0	17.58	17.54	17.47				
1.4	SSBQAM	1	3	17.64	17.63	17.47	18.8	5		
1.4	SSBQAM	1	6	17.62	17.72	17.48				
1.4	SSBQAM	3	0	17.44	17.42	17.45				
1.4	SSBQAM	3	3	17.50	17.71	17.56				
1.4	SSBQAM	6	0	17.63	17.63	17.55				

Band 17_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Turnup Int. (dBm)	MFR (dB)					
Channel													
				22750	23560	23900							
Frequency (MHz)				759	715	711							
10	QPSK	1	0	22.55	22.56	22.61	23.8	0					
10	QPSK	1	25	22.68	22.64	22.82							
10	QPSK	1	49	22.85	22.81	22.87							
10	QPSK	25	0	22.58	22.42	22.46							
10	QPSK	25	12	22.59	22.40	22.37							
10	QPSK	25	25	22.57	22.34	22.38	23.3	0.5					
10	QPSK	50	0	22.34	22.46	22.38							
10	QPSK	1	0	22.61	22.65	22.72							
10	QPSK	1	25	22.52	22.57	22.70							
10	QPSK	1	49	22.58	22.76	22.65							
10	QPSK	25	0	21.80	21.72	21.85	22.8	1					
10	QPSK	25	12	21.84	21.82	21.85							
10	QPSK	25	25	21.79	21.88	21.87							
10	QPSK	50	0	21.82	21.79	21.89							
10	QPSK	1	0	21.62	21.59	21.64							
10	QPSK	1	25	21.54	21.50	21.50	22.8	1					
10	QPSK	1	49	21.73	21.66	21.60							
10	QPSK	25	0	20.85	20.77	20.93							
10	QPSK	25	12	20.89	20.88	20.89							
10	QPSK	25	25	20.91	20.84	20.86							
10	QPSK	50	0	20.82	20.81	20.86	21.8	2					
10	QPSK	1	0	17.77	17.66	17.61							
10	QPSK	1	25	17.72	17.76	17.81							
10	QPSK	1	49	17.62	17.76	17.80							
10	QPSK	25	0	17.72	17.62	17.78							
10	QPSK	25	12	17.68	17.72	17.86	18.8	5					
10	QPSK	25	25	17.67	17.74	17.70							
10	QPSK	50	0	17.68	17.74	17.70							
Channel													
Frequency (MHz)				22750	23560	23900							
				759	715	711							
5	QPSK	1	0	22.77	22.71	22.77	23.8	0					
5	QPSK	1	12	22.69	22.63	22.77							
5	QPSK	1	24	22.71	22.67	22.81							
5	QPSK	12	0	22.28	22.36	22.38							
5	QPSK	12	7	22.31	22.37	22.32							
5	QPSK	12	13	22.35	22.32	22.34	23.3	0.5					
5	QPSK	25	0	22.24	22.27	22.32							
5	QPSK	1	0	22.58	22.62	22.70							
5	QPSK	1	12	22.30	22.46	22.57							
5	QPSK	1	24	22.51	22.63	22.58							
5	QPSK	12	0	21.72	21.58	21.76	22.8	1					
5	QPSK	12	7	21.70	21.74	21.80							
5	QPSK	12	13	21.77	21.83	21.73							
5	QPSK	25	0	21.70	21.73	21.78							
5	QPSK	1	0	21.49	21.53	21.59							
5	QPSK	1	12	21.52	21.46	21.45	22.8	1					
5	QPSK	1	24	21.66	21.62	21.64							
5	QPSK	12	0	20.77	20.62	20.62							
5	QPSK	12	7	20.84	20.80	20.79							
5	QPSK	12	13	20.81	20.80	20.82							
5	QPSK	25	0	20.85	20.78	20.80	21.8	2					
5	QPSK	1	0	17.64	17.71	17.77							
5	QPSK	1	12	17.61	17.67	17.80							
5	QPSK	1	24	17.59	17.67	17.85							
5	QPSK	12	0	17.68	17.79	17.77							
5	QPSK	12	7	17.44	17.61	17.54	18.8	5					
5	QPSK	12	13	17.66	17.62	17.68							
5	QPSK	25	0	17.61	17.69	17.88							
Channel													
Frequency (MHz)				22750	23560	23900							
				759	746	711							

Band 17_Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq	Power Ch. / Freq	Power Ch. / Freq	Time-use (int / sec)	MFR (dB)					
Channel													
				23750	23750	23850							
Frequency (MHz)				759	710	710							
10	QPSK	1	0	22.43	22.41	22.46	23.3	0					
10	QPSK	1	25	22.42	22.41	22.38							
10	QPSK	1	49	22.40	22.41	22.35							
10	QPSK	25	0	21.83	21.84	21.80							
10	QPSK	25	12	21.78	21.79	21.84							
10	QPSK	25	25	21.75	21.80	21.83	22.8	0.5					
10	QPSK	50	0	21.80	21.87	21.83							
10	QPSK	1	0	21.68	22.16	22.10							
10	QPSK	1	25	21.52	22.10	22.06							
10	QPSK	1	49	22.08	22.16	22.16							
10	QPSK	25	0	21.53	21.59	21.53	22.3	0.5					
10	QPSK	25	12	21.52	21.54	21.57							
10	QPSK	25	25	21.50	21.59	21.57							
10	QPSK	50	0	21.28	21.38	21.42							
10	QPSK	1	0	20.90	21.12	20.86							
10	QPSK	1	25	20.95	21.02	20.85	22.3	1					
10	QPSK	1	49	20.93	21.10	20.81							
10	QPSK	25	0	20.30	20.25	20.30							
10	QPSK	25	12	20.30	20.34	20.35							
10	QPSK	25	25	20.35	20.28	20.36							
10	QPSK	50	0	20.38	20.27	20.40	21.3	2					
10	QPSK	1	0	17.37	17.38	17.24							
10	QPSK	1	25	17.46	17.25	17.15							
10	QPSK	1	49	17.16	17.24	17.18							
10	QPSK	25	0	17.19	17.31	17.28							
10	QPSK	25	12	17.32	17.28	17.27	18.3	5					
10	QPSK	25	25	17.19	17.24	17.30							
10	QPSK	50	0	17.19	17.24	17.30							
10	QPSK	1	0	17.37	17.38	17.24							
10	QPSK	1	25	17.46	17.25	17.15							
10	QPSK	1	49	17.16	17.24	17.18	18.3	5					
10	QPSK	25	0	17.19	17.31	17.28							
10	QPSK	25	12	17.32	17.28	17.27							
10	QPSK	25	25	17.19	17.24	17.30							
10	QPSK	50	0	17.19	17.24	17.30							
Channel													
Frequency (MHz)				23750	23750	23850							
				759	710	710							

Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power / Power Ch / Freq	Power / Power Ch / Freq	Power / Power Ch / Freq	Turn-up (min)	MFR (dB)		
Channel										
Frequency (MHz)				24740	24980	25070	Turn-up (min)	MFR (dB)		
15	QPSK	1	0	81.5	83.5	84.5				
15	QPSK	1	37	24.11	24.20	24.10	25	0		
15	QPSK	1	74	24.10	24.09	24.09				
15	QPSK	25	0	23.80	23.87	23.87	24.5	0.5		
15	QPSK	25	39	23.89	23.92	23.94				
15	QPSK	25	75	23.89	23.92	23.94				
15	16QAM	1	0	23.82	23.89	23.89	24.5	0.5		
15	16QAM	1	37	23.82	23.87	23.85				
15	16QAM	25	0	23.82	23.89	23.89				
15	16QAM	25	39	23.18	23.23	23.23				
15	16QAM	25	75	23.18	23.23	23.23				
15	16QAM	25	0	23.12	23.23	23.23	24	1		
15	16QAM	25	39	23.18	23.23	23.23				
15	16QAM	25	75	23.12	23.23	23.23				
15	16QAM	1	0	22.71	22.89	22.96	24	1		
15	16QAM	1	37	22.71	22.89	22.96				
15	16QAM	1	74	22.71	22.89	22.96				
15	16QAM	25	0	22.71	22.89	22.96	23			
15	16QAM	25	39	22.71	22.89	22.96				
15	16QAM	25	75	22.71	22.89	22.96				
15	16QAM	15	0	22.07	22.14	22.04				
15	16QAM	15	0	18.02	18.08	18.05				
15	16QAM	1	37	18.82	18.95	18.95	20			
15	25QAM	1	74	18.86	18.95	18.87				
15	25QAM	25	0	18.86	18.95	18.87				
15	25QAM	25	39	18.86	18.95	18.87				
15	25QAM	25	75	18.86	18.95	18.87				
15	25QAM	25	39	18.89	18.94	18.91	20			
15	25QAM	25	75	18.89	18.94	18.91				
15	25QAM	15	0	18.89	18.94	18.91				
Channel										
Frequency (MHz)				24740	24980	25070	Turn-up (min)	MFR (dB)		
15	QPSK	1	0	81.5	83.5	84.5				
15	QPSK	1	37	24.00	24.00	24.00	25	0		
15	QPSK	1	74	24.00	24.00	24.00				
15	QPSK	1	40	23.80	23.92	23.85				
15	QPSK	25	0	23.48	23.58	23.48	24.5	0.5		
15	QPSK	25	12	23.48	23.58	23.48				
15	QPSK	25	25	23.48	23.58	23.48				
15	16QAM	1	0	23.44	23.43	23.43	24.5	0.5		
15	16QAM	1	37	23.44	23.43	23.43				
15	16QAM	1	74	23.44	23.43	23.43				
15	16QAM	25	0	23.44	23.57	23.44				
15	16QAM	25	12	23.44	23.57	23.44				
15	16QAM	25	25	23.44	23.57	23.44				
15	16QAM	25	12	22.99	22.98	22.97	24	1		
15	16QAM	25	25	22.99	22.98	22.97				
15	16QAM	25	0	22.98	22.97	22.97				
15	16QAM	25	0	22.98	22.97	22.97				
15	16QAM	25	0	22.98	22.98	22.94	24	1		
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0	22.98	22.98	22.94				
15	16QAM	25	0							

Band 66_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Time-use (min/sec)	MPR (dB)		
Channel										
Frequency (MHz)				17202	17252	17302				
				1720	1745	1770				
20	QPSK	1	0	24.35	24.30	24.32	25	0		
20	QPSK	1	40	24.22	24.20	24.15				
20	QPSK	1	80	24.07	24.10	24.30				
20	QPSK	50	0	23.35	23.32	23.30				
20	QPSK	50	24	23.32	23.32	23.26				
20	QPSK	50	50	23.28	23.32	23.20	24.5	0.5		
20	QPSK	100	0	23.23	23.32	23.25				
20	HQDM	1	0	23.80	23.79	23.80				
20	HQDM	1	40	23.71	23.79	23.73				
20	HQDM	50	0	22.75	22.82	22.84				
20	HQDM	50	24	22.79	22.72	22.82	24	1		
20	HQDM	50	50	22.74	22.79	22.76				
20	HQDM	100	0	22.75	22.78	22.70				
20	HQDM	1	0	22.96	22.88	22.83				
20	HQDM	1	40	22.93	22.76	22.74				
20	HQDM	1	80	22.90	22.77	22.82	23	2		
20	HQDM	50	0	22.23	22.92	22.26				
20	HQDM	50	24	22.25	22.29	22.24				
20	HQDM	50	50	22.21	22.24	22.17				
20	HQDM	100	0	22.26	22.24	22.32				
20	HQDM	1	40	18.91	18.94	18.92	20	5		
20	HQDM	1	80	18.91	18.94	18.91				
20	HQDM	50	0	18.95	18.96	18.92				
20	HQDM	50	24	18.95	18.96	18.92				
20	HQDM	50	50	18.93	18.94	18.97				
Channel				173047	173252	173517	Time-use (min/sec)	MPR (dB)		
Frequency (MHz)				17172	1745	1773.5				
15	QPSK	1	0	24.19	24.20	24.14	25	0		
15	QPSK	1	37	24.14	24.23	24.08				
15	QPSK	1	74	24.06	23.95	24.01				
15	QPSK	36	0	23.25	23.30	23.25				
15	QPSK	36	20	23.24	23.19	23.25				
15	QPSK	36	36	23.19	23.20	23.08	24.5	0.5		
15	HQDM	1	0	23.97	23.84	23.98				
15	HQDM	1	37	23.81	23.87	23.90				
15	HQDM	1	74	23.78	23.82	23.76				
15	HQDM	36	0	22.75	22.75	22.71				
15	HQDM	36	20	22.65	22.66	22.75	24	1		
15	HQDM	36	36	22.72	22.98	22.55				
15	HQDM	75	0	22.68	22.67	22.58				
15	HQDM	1	0	22.83	22.75	22.78				
15	HQDM	1	37	22.81	22.79	22.82				
15	HQDM	1	74	22.76	22.70	22.87	24	1		
15	HQDM	1	0	22.15	22.18	22.21				
15	HQDM	36	20	22.20	22.25	22.21				
15	HQDM	36	36	22.06	22.02	22.12				
15	HQDM	36	0	22.18	22.18	22.22				
15	HQDM	1	0	19.02	18.99	19.05	20	5		
15	HQDM	1	37	18.81	18.91	18.88				
15	HQDM	1	74	18.82	18.91	18.96				
15	HQDM	36	0	18.90	18.97	18.94				
15	HQDM	36	20	18.90	18.97	18.86				
Channel				173047	173252	173517	Time-use (min/sec)	MPR (dB)		
Frequency (MHz)				17172	1745	1773.5				
10	QPSK	1	0	24.11	24.11	24.04	25	0		
10	QPSK	1	25	24.23	24.28	24.19				
10	QPSK	1	49	23.93	24.02	23.83				
10	QPSK	26	0	23.21	23.32	23.26				
10	QPSK	26	12	23.20	23.31	23.21				
10	QPSK	26	25	23.23	23.32	23.08	24.5	0.5		
10	HQDM	1	0	23.88	23.86	23.82				
10	HQDM	1	26	23.82	23.87	23.86				
10	HQDM	1	49	23.82	23.76	23.78				
10	HQDM	26	0	22.77	22.75	22.78				
10	HQDM	26	12	22.65	22.59	22.79	24	1		
10	HQDM	26	25	22.59	22.67	22.62				
10	HQDM	50	0	22.68	22.67	22.69				
10	HQDM	50	0	22.88	22.80	22.73				
10	HQDM	1	49	22.82	22.74	22.70				
10	HQDM	26	0	22.11	22.24	22.26	23	2		
10	HQDM	26	12	22.21	22.23	22.16				
10	HQDM	26	25	22.08	22.16	22.04				
10	HQDM	50	0	22.14	22.11	22.31				
10	HQDM	1	0	19.04	18.99	19.02				
10	HQDM	1	26	18.75	18.86	18.79	20	5		
10	HQDM	1	49	18.75	18.93	18.88				
10	HQDM	26	0	18.90	18.98	18.90				
10	HQDM	26	12	18.97	18.95	18.85				
10	HQDM	26	25	18.85	18.92	18.82				
Channel				173197	173252	173517	Time-use (min/sec)	MPR (dB)		
Frequency (MHz)				17172	1745	1773.5				
3	QPSK	1	0	24.19	24.20	24.03	25	0		
3	QPSK	1	12	24.11	24.19	24.20				
3	QPSK	1	14	23.96	24.07	23.98				
3	QPSK	8	0	23.31	23.39	23.24				
3	QPSK	8	7	23.29	23.35	23.25				
3	QPSK	8	7	23.11	23.13	23.04	24.5	0.5		
3	HQDM	1	0	23.99	24.02	23.86				
3	HQDM	1	8	23.86	23.90	23.85				
3	HQDM	1	14	23.87	23.76	23.83				
3	HQDM	8	0	22.79	22.74	22.77				
3	HQDM	8	4	22.68	22.68	22.72	24	1		
3	HQDM	8	7	22.81	22.61	22.69				
3	HQDM	15	0	22.85	22.75	22.80				
3	HQDM	1	0	22.84	22.84	22.82				
3	HQDM	1	8	22.89	22.82	22.86				
3	HQDM	8	16	22.74	22.74	22.74	23	2		
3	HQDM	8	4	22.25	22.24	22.22				
3	HQDM	15	0	22.26	22.14	22.22				
3	HQDM	15	0	22.19	22.20	22.15				
3	HQDM	1	0	19.05	18.99	19.06				
3	HQDM	1	14	18.86	18.99	18.88	20	5		
3	HQDM	1	28	18.85	18.98	18.91				
3	HQDM	8	0	18.94	18.97	18.91				
3	HQDM	8	7	18.83	19.01	18.94				
3	HQDM	15	0	18.75	18.92	18.87				
Channel				173197	173252	173517	Time-use (min/sec)	MPR (dB)		
Frequency (MHz)				17172	1745	1773.5				
1.4	QPSK	1	0	24.19	24.21	24.04	25	0		
1.4	QPSK	1	14	24.08	24.18	24.13				
1.4	QPSK	1	5.6	23.95	23.99	23.82				
1.4	QPSK	3	0	24.20	24.15	24.04				
1.4	QPSK	3	7	24.22	24.17	24.01				
1.4	QPSK	6	0	23.18	23.17	23.14	24.5	0.5		
1.4	HQDM	1	0	23.99	24.00	23.87				
1.4	HQDM	1	3	23.78	23.88	23.79				
1.4	HQDM	1	5.6	23.82	23.73	23.73				
1.4	HQDM	3	0	23.79	23.76	23.62				
1.4	HQDM	3	7	22.74	22.74	22.74	24	1		
1.4	HQDM	1	0	22.88	22.80	22.85				
1.4	HQDM	1	3	22.81	22.64	22.64				
1.4	HQDM	1	5.6	22.84	22.65	22.68				
1.4	HQDM	3	0	22.24	22.22	22.22				
1.4	HQDM	6	0	22.18	22.22	22.28	23	2		
1.4	HQDM	1	0	19.04	18.98	19.06				
1.4	HQDM	1	3	18.84	18.94	18.91				
1.4	HQDM	1	5.6	18.82	19.02	18.96				
1.4	HQDM	3	0	18.94	18.94	18.77				
1.4	HQDM	3	7	18.84	18.94	18.91	20	5		
1.4	HQDM	3	14	18.84	18.94	18.91				
1.4	HQDM	3	18.84	18.94	18.91					
1.4	HQDM	3	18.84	18.94	18.91					
1.4	HQDM	3	18.84	18.94	18.91					

Band 66_Ant 11											Band 66_Ant 7										
WV (Modulation)	RB Size	RB Offset	Power Low Ch. 1 / Freq.	Power Middle Ch. 1 / Freq.	Power High Ch. 1 / Freq.	Turnup Int (dB)	MFR (dB)				WV (Modulation)	RB Size	RB Offset	Power Low Ch. 1 / Freq.	Power Middle Ch. 1 / Freq.	Power High Ch. 1 / Freq.	Turnup Int (dB)	MFR (dB)			
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
130272 133222 133272											130272 133222 133272										
1720 1745 1750											1720 1745 1750										
20	QPSK	1	0	23.64	23.72	23.77					20	QPSK	1	0	20.44	20.56	20.59				
20	QPSK	1	40	23.79	23.86	23.84			24.4	0	20	QPSK	1	40	20.56	20.61	20.59			21.8	0
20	QPSK	50	0	22.81	22.89	22.87					20	QPSK	50	0	19.26	19.30	19.30				
20	QPSK	50	24	22.85	22.87	22.86					20	QPSK	50	24	19.06	19.05	19.04			21.3	0.5
20	QPSK	50	50	22.82	22.87	22.82					20	QPSK	50	50	19.03	19.04	19.89				
20	HQDM	1	0	22.96	23.12	23.26					20	HQDM	1	0	20.23	20.29	20.15				
20	HQDM	1	40	23.01	23.13	23.27			23.0	0.5	20	HQDM	1	40	20.21	20.21	20.29			21.3	0.5
20	HQDM	1	80	23.24	23.06	23.15					20	HQDM	1	80	19.81	19.82	19.87				
20	HQDM	50	0	22.53	22.56	22.41					20	HQDM	50	0	19.81	19.87	19.87				
20	HQDM	50	24	22.45	22.29	22.30			23.4	1	20	HQDM	50	24	19.65	19.54	19.43			20.8	1
20	HQDM	50	50	22.37	22.29	22.28					20	HQDM	50	50	19.62	19.62	19.51				
20	HQDM	100	0	22.36	22.38	22.31					20	HQDM	100	0	19.60	19.54	19.40				
20	HQDM	1	0	22.63	22.42	22.66					20	HQDM	1	0	19.55	19.60	19.42			20.8	1
20	HQDM	1	40	22.55	22.44	22.58			23.4	1	20	HQDM	1	40	19.53	19.53	19.43				
20	HQDM	1	80	22.65	22.59	22.40					20	HQDM	1	80	19.48	19.48	19.38				
20	HQDM	50	0	21.90	21.84	21.90					20	HQDM	50	0	18.66	18.76	18.76				
20	HQDM	50	24	21.90	21.89	21.87			22.4	2	20	HQDM	50	24	18.62	18.73	18.63				
20	HQDM	50	50	21.86	21.86	21.78					20	HQDM	50	50	18.77	18.71	18.56			19.8	2
20	HQDM	100	0	21.85	21.80	21.81					20	HQDM	100	0	18.66	18.69	18.56				
20	HQDM	1	0	18.62	18.68	18.61					20	HQDM	1	0	18.62	18.62	18.57				
20	HQDM	1	40	18.65	18.64	18.58			19.4	5	20	HQDM	1	40	15.58	15.59	15.52			16.8	5
20	HQDM	1	80	18.68	18.68	18.52					20	HQDM	1	80	15.43	15.46	15.39				
20	HQDM	50	0	18.57	18.65	18.68					20	HQDM	50	0	15.49	15.45	15.41				
20	HQDM	50	24	18.58	18.63	18.58					20	HQDM	50	24	15.52	15.55	15.53			16.8	5
20	HQDM	50	50	18.55	18.63	18.61					20	HQDM	50	50	15.39	15.48	15.45				
20	HQDM	100	0	18.59	18.68	18.57					20	HQDM	100	0	15.42	15.47	15.37				
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
1717.5 1745 1772.5											1717.5 1745 1772.5										
15	QPSK	1	0	23.64	23.72	23.77					15	QPSK	1	0	20.44	20.56	20.59				
15	QPSK	1	37	23.68	23.84	23.77			24.4	0	15	QPSK	1	37	20.59	20.61	20.53			21.8	0
15	QPSK	1	74	23.64	23.14	23.14					15	QPSK	1	74	20.61	20.48	20.59				
15	QPSK	36	0	22.89	22.95	22.89					15	QPSK	36	0	19.84	19.84	19.84				
15	QPSK	36	20	22.82	22.86	22.79			23.0	0.5	15	QPSK	36	20	19.84	19.05	19.84			21.3	0.5
15	QPSK	36	39	22.72	22.78	22.71					15	QPSK	36	39	19.06	19.06	19.87				
15	QPSK	75	0	22.77	22.76	22.78					15	QPSK	75	0	19.81	19.81	19.81				
15	HQDM	1	0	22.62	22.10	22.13					15	HQDM	1	0	20.14	20.20	20.11				
15	HQDM	1	37	22.68	22.39	22.12			23.0	0.5	15	HQDM	1	37	20.18	20.08	20.08			21.3	0.5
15	HQDM	1	74	23.23	23.05	23.00					15	HQDM	1	74	20.20	20.14	20.14				
15	HQDM	36	0	22.25	22.20	22.28					15	HQDM	36	0	19.58	19.57	19.51				
15	HQDM	36	20	22.26	22.23	22.17			23.4	1	15	HQDM	36	20	19.54	19.48	19.42			20.8	1
15	HQDM	36	39	22.36	22.21	22.13					15	HQDM	36	39	19.54	19.48	19.42				
15	HQDM	75	0	22.16	22.25	22.24					15	HQDM	75	0	19.55	19.53	19.31				
15	HQDM	1	0	22.48	22.39	22.43			23.4	1	15	HQDM	1	0	19.48	19.57	19.33			20.8	1
15	HQDM	1	37	22.40	22.41	22.52					15	HQDM	1	37	19.48	19.48	19.48				
15	HQDM	1	74	22.37	22.37	22.34					15	HQDM	1	74	19.47	19.57	19.35				
15	HQDM	36	0	21.87	21.80	21.75					15	HQDM	36	0	18.78	18.83	18.88				
15	HQDM	36	20	21.80	21.75	21.74			22.4	2	15	HQDM	36	20	18.78	18.68	18.88				
15	HQDM	36	39	21.71	21.65	21.70					15	HQDM	36	39	18.63	18.66	18.47			19.8	2
15	HQDM	75	0	21.75	21.77	21.71					15	HQDM	75	0	18.80	18.87	18.48				
15	HQDM	1	0	18.59	18.59	18.57					15	HQDM	1	0	18.59	18.59	18.50				
15	HQDM	1	37	18.61	18.61	18.45			19.4	5	15	HQDM	1	37	15.45	15.45	15.42			16.8	5
15	HQDM	1	74	18.45	18.67	18.57					15	HQDM	1	74	15.38	15.44	15.45				
15	HQDM	36	0	18.43	18.62	18.67					15	HQDM	36	0	15.42	15.45	15.45				
15	HQDM	36	20	18.58	18.58	18.49					15	HQDM	36	20	15.44	15.53	15.42			16.8	5
15	HQDM	36	39	18.44	18.52	18.57					15	HQDM	36	39	15.20	15.38	15.42				
15	HQDM	75	0	18.47	18.65	18.48					15	HQDM	75	0	15.42	15.47	15.43				
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
1717.5 1745 1772.5											1717.5 1745 1772.5										
5	QPSK	1	0	23.77	23.77	23.79					5	QPSK	1	0	20.44	20.47	20.59				
5	QPSK	1	12	23.71	23.74	23.72			24.4	0	5	QPSK	1	12	20.54	20.54	20.59			21.8	0
5	QPSK	1	24	23.63	23.16	23.16					5	QPSK	1	24	20.52	20.42	20.54				
5	QPSK	12	0	22.78	22.83	22.86					5	QPSK	12	0	19.91	19.96	19.96				
5	QPSK	12	7	22.80	22.74	22.79			23.0	0.5	5	QPSK	12	7	19.91	19.96	19.96			21.3	0.5
5	QPSK	12	11	22.70	22.77	22.75					5	QPSK	12	11	19.89	19.88	19.74				
5	QPSK	25	0	22.79	22.81	22.83					5	QPSK	25	0	20.19	20.19	20.19				
5	HQDM	1	0	22.86	23.00	23.11					5	HQDM	1	0	20.19	20.18	20.18				
5	HQDM	1	12	22.81	22.98	23.23			23.0	0.5	5	HQDM	1	12	20.15	20.06	20.13			21.3	0.5
5	HQDM	1	24	23.17	22.97	23.01					5	HQDM	1	24	20.23	20.14	20.21				
5	HQDM	12	0	22.24	22.27	22.32					5	HQDM	12	0	19.58	19.51	19.44				
5	HQDM	12	7	22.39	22.32	22.25			23.4	1	5	HQDM	12	7	19.61	19.62	19.28				
5	HQDM	12	11	22.31	22.29	22.13					5	HQDM	12	11	19.63	19.62	19.34				
5	HQDM	25	0	22.20	22.29	22.17					5	HQDM	25	0	19.50	19.48	19.30				
5	HQDM	1	0	22.56	22.36	22.51			23.4	1	5	HQDM	1	0	19.50	19.48	19.48			20.8	1
5	HQDM	1	12	22.41	22.33	22.52					5	HQDM	1	12	19.48	19.48	19.48				
5	HQDM	1	24	22.46	22.31	22.31					5	HQDM	1	24	19.47	19.55	19.37				
5	HQDM	12	0	21.76	21.74	21.78					5	HQDM	12	0	18.76	18.72	18.71				
5	HQDM	12	7	21.79	21.69	21.86			22.4	2	5	HQDM	12	7	18.76	18.62	18.82				
5	HQDM	12	11	21.86	21.73	21.67					5	HQDM	12	11	18.65	18.64	18.43			19.8	2
5	HQDM	25	0	21.72	21.63	21.79					5	HQDM	25	0	18.80	18.54	18.43				
5	HQDM	1	0	18.59	18.55	18.53					5	HQDM	1	0	18.52	18.50	18.40				
5	HQDM</																				

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)				37650	38600	38150				
20	QPSK	1	0	24.45	24.40	24.42	25	0		
20	QPSK	1	49	24.33	24.23	24.29				
20	QPSK	1	99	24.42	24.41	24.38				
20	QPSK	50	0	23.88	24.05	24.02				
20	QPSK	50	24	23.87	23.87	24.04				
20	QPSK	50	50	23.91	23.97	23.98	24.5	0.5		
20	QPSK	100	0	23.89	24.00	23.96				
20	16QAM	1	0	23.89	23.92	23.93				
20	16QAM	1	49	23.83	23.90	24.10				
20	16QAM	1	99	23.99	24.04	24.16				
20	16QAM	50	0	23.34	23.38	23.42	24.5	0.5		
20	16QAM	50	24	23.35	23.43	23.47				
20	16QAM	50	50	23.42	23.43	23.57				
20	16QAM	100	0	23.34	23.44	23.48				
20	64QAM	1	0	22.58	22.59	22.59				
20	64QAM	1	49	22.60	22.61	22.80	23	2		
20	64QAM	1	99	22.67	22.70	22.81				
20	64QAM	50	0	22.40	22.40	22.48				
20	64QAM	50	24	22.35	22.47	22.58				
20	64QAM	50	50	22.50	22.45	22.63				
20	64QAM	100	0	22.47	22.42	22.55	23	2		
20	256QAM	1	0	18.91	19.02	18.95				
20	256QAM	1	49	18.86	18.91	18.90				
20	256QAM	1	99	18.00	18.01	18.91				
20	256QAM	50	0	18.93	18.97	18.84				
20	256QAM	50	24	18.83	18.89	18.81	20	5		
20	256QAM	50	50	18.96	18.99	18.98				
20	256QAM	100	0	18.90	18.96	18.94				
Channel										
Frequency (MHz)				3677.5	3696	3617.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.23	24.20	24.20	25	0		
15	QPSK	1	37	24.40	24.46	24.33				
15	QPSK	1	74	24.27	24.36	24.35				
15	QPSK	36	0	23.87	23.94	23.90				
15	QPSK	36	20	23.76	23.76	23.93				
15	QPSK	36	39	23.85	23.90	23.93	24.5	0.5		
15	QPSK	36	50	23.87	23.93	23.87				
15	16QAM	1	0	23.81	23.80	23.78				
15	16QAM	1	37	23.82	23.86	23.96				
15	16QAM	1	74	23.91	24.03	24.03				
15	16QAM	36	0	23.83	23.84	23.87	24.5	0.5		
15	16QAM	36	20	23.23	23.35	23.42				
15	16QAM	36	39	23.38	23.41	23.46				
15	16QAM	75	0	23.21	23.35	23.42				
15	64QAM	1	0	22.56	22.46	22.56				
15	64QAM	1	37	22.52	22.56	22.68	23	2		
15	64QAM	1	74	22.59	22.56	22.74				
15	64QAM	36	0	22.34	22.32	22.35				
15	64QAM	36	20	22.23	22.33	22.46				
15	64QAM	36	39	22.43	22.30	22.55				
15	64QAM	75	0	22.43	22.29	22.40	23	2		
15	256QAM	1	0	18.85	18.91	18.86				
15	256QAM	1	37	18.74	18.86	18.81				
15	256QAM	1	74	18.93	18.92	18.76				
15	256QAM	36	0	18.91	18.93	18.69				
15	256QAM	36	20	18.68	18.86	18.72	20	5		
15	256QAM	36	39	18.62	18.84	18.87				
15	256QAM	75	0	18.89	18.89	18.88				
Channel										
Frequency (MHz)				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.24	24.17	24.14	25	0		
10	QPSK	1	25	24.33	24.39	24.33				
10	QPSK	1	49	24.41	24.30	24.27				
10	QPSK	25	0	23.96	23.98	23.97				
10	QPSK	25	12	23.71	23.73	23.80				
10	QPSK	25	25	23.76	23.96	23.93	24.5	0.5		
10	QPSK	50	0	23.85	23.97	23.94				
10	16QAM	1	0	23.87	23.91	23.87				
10	16QAM	1	25	23.81	23.80	24.09				
10	16QAM	1	49	23.92	23.98	24.14				
10	16QAM	25	0	23.30	23.25	23.30	24.5	0.5		
10	16QAM	25	12	23.29	23.30	23.46				
10	16QAM	25	25	23.29	23.36	23.43				
10	16QAM	50	0	23.26	23.36	23.45				
10	64QAM	1	0	22.44	22.56	22.59				
10	64QAM	1	25	22.57	22.56	22.73	24	1		
10	64QAM	1	49	22.52	22.62	22.68				
10	64QAM	25	0	22.36	22.25	22.43				
10	64QAM	25	12	22.31	22.32	22.47				
10	64QAM	25	25	22.38	22.40	22.49				
10	64QAM	50	0	22.37	22.32	22.40	23	2		
10	256QAM	1	0	18.85	18.91	18.84				
10	256QAM	1	25	18.74	18.81	18.80				
10	256QAM	1	49	18.96	18.90	18.85				
10	256QAM	25	0	18.91	18.94	18.77				
10	256QAM	25	12	18.68	18.79	18.79	20	5		
10	256QAM	25	25	18.67	18.91	18.75				
10	256QAM	50	0	18.75	18.81	18.82				
Channel										
Frequency (MHz)				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.29	24.20	24.15	25	0		
5	QPSK	1	12	24.35	24.44	24.33				
5	QPSK	1	24	24.37	24.27	24.34				
5	QPSK	12	0	23.96	23.96	23.98				
5	QPSK	12	7	23.81	23.74	23.91				
5	QPSK	12	13	23.80	23.96	23.88	24.5	0.5		
5	QPSK	25	0	23.88	23.90	23.89				
5	16QAM	1	0	23.88	23.77	23.81				
5	16QAM	1	12	23.71	23.82	23.98				
5	16QAM	1	24	23.97	23.93	24.10				
5	16QAM	12	0	23.24	23.33	23.36	24	1		
5	16QAM	12	7	23.20	23.35	23.34				
5	16QAM	12	13	23.37	23.36	23.53				
5	16QAM	25	0	23.30	23.34	23.45				
5	64QAM	1	0	22.55	22.55	22.55				
5	64QAM	1	12	22.51	22.55	22.72	23	2		
5	64QAM	1	24	22.56	22.64	22.70				
5	64QAM	12	0	22.37	22.39	22.38				
5	64QAM	12	7	22.31	22.34	22.52				
5	64QAM	12	13	22.42	22.30	22.50				
5	64QAM	25	0	22.34	22.35	22.45	20	5		
5	256QAM	1	0	18.79	18.96	18.92				
5	256QAM	1	12	18.75	18.81	18.75				
5	256QAM	1	24	18.93	19.00	18.76				
5	256QAM	12	0	18.85	18.88	18.77				
5	256QAM	12	7	18.79	18.87	18.79	20	5		
5	256QAM	12	13	18.81	18.92	18.73				
5	256QAM	25	0	18.87	18.93	18.89				

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)				37550	38000	38150			
20	QPSK	1	0	23.05	24.00	23.98	24.4	0	
20	QPSK	1	49	23.81	23.78	23.85			
20	QPSK	1	99	23.82	23.84	23.90			
20	QPSK	50	0	23.36	23.40	23.35			
20	QPSK	50	24	23.37	23.27	23.34	23.9	0.5	
20	QPSK	50	50	23.36	23.31	23.30			
20	QPSK	100	0	23.31	23.36	23.34			
20	16QAM	1	0	23.35	23.31	23.22			
20	16QAM	1	49	23.39	23.28	23.42	23.9	0.5	
20	16QAM	1	99	23.42	23.31	23.35			
20	16QAM	50	0	22.83	22.69	22.78			
20	16QAM	50	24	22.76	22.76	22.86			
20	16QAM	50	50	22.78	22.81	22.86	23.4	1	
20	16QAM	100	0	22.76	22.72	22.82			
20	16QAM	1	0	22.20	22.21	22.21			
20	16QAM	1	49	22.12	22.11	22.21			
20	16QAM	1	99	22.12	22.10	22.21	22.4	2	
20	16QAM	50	0	21.85	21.79	21.81			
20	16QAM	50	24	21.88	21.84	21.93			
20	16QAM	50	50	21.84	21.84	21.99			
20	16QAM	100	0	21.89	21.79	21.91	19.4	5	
20	25QAM	1	0	18.35	18.50	18.37			
20	25QAM	1	49	18.47	18.49	18.48			
20	25QAM	1	99	18.45	18.48	18.48			
20	25QAM	50	0	18.38	18.42	18.30	19.4	5	
20	25QAM	50	24	18.30	18.41	18.31			
20	25QAM	50	50	18.44	18.47	18.35			
20	25QAM	100	0	18.34	18.43	18.32			
Channel									
Frequency (MHz)				2677.5	2695	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.66	23.72	23.79	24.4	0	
15	QPSK	1	37	23.66	23.85	23.83			
15	QPSK	1	74	23.70	23.72	23.85			
15	QPSK	36	0	23.24	23.33	23.20			
15	QPSK	36	39	23.24	23.31	23.25	23.9	0.5	
15	QPSK	75	0	23.22	23.35	23.32			
15	16QAM	1	0	23.23	23.24	23.09			
15	16QAM	1	37	23.33	23.33	23.14			
15	16QAM	1	74	23.30	23.32	23.46	23.9	0.5	
15	16QAM	36	0	22.82	22.85	22.73			
15	16QAM	36	20	22.67	22.70	22.84			
15	16QAM	36	39	22.63	22.74	22.73			
15	16QAM	75	0	21.90	21.86	21.97	23.4	1	
15	16QAM	1	0	21.90	21.84	21.97			
15	16QAM	1	37	22.03	21.98	22.18			
15	16QAM	1	74	22.05	21.98	22.13			
15	16QAM	36	0	21.73	21.76	21.80	22.4	2	
15	16QAM	36	20	21.84	21.76	21.89			
15	16QAM	36	39	21.79	21.78	21.88			
15	16QAM	75	0	21.85	21.85	21.89			
15	25QAM	1	0	18.24	18.49	18.39	19.4	5	
15	25QAM	36	0	18.33	18.43	18.37			
15	25QAM	1	74	18.41	18.32	18.35			
15	25QAM	36	0	18.29	18.38	18.18			
15	25QAM	36	20	18.29	18.31	18.23	19.4	5	
15	25QAM	36	39	18.34	18.46	18.33			
15	25QAM	75	0	18.27	18.39	18.34			
15	25QAM	1	0	18.27	18.39	18.34			
Channel									
Frequency (MHz)				37600 <th>38000<th>38200</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38000 <th>38200</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	38200	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	0	23.75	23.95	23.95	24.4	0	
10	QPSK	1	0	23.78	23.85	23.79			
10	QPSK	1	25	23.81	23.90	23.87			
10	QPSK	1	49	23.69	23.83	23.87			
10	QPSK	1	99	23.70	23.82	23.87	23.9	0.5	
10	QPSK	25	12	23.21	23.16	23.27			
10	QPSK	25	25	23.35	23.24	23.18			
10	QPSK	50	0	23.18	23.30	23.28			
10	QPSK	1	0	23.24	23.26	23.15	23.4	1	
10	16QAM	1	25	23.25	23.22	23.34			
10	16QAM	1	49	23.31	23.24	23.49			
10	16QAM	25	0	22.70	22.59	22.73			
10	16QAM	25	12	22.71	22.74	22.75	23.4	1	
10	16QAM	25	25	22.72	22.75	22.76			
10	16QAM	50	0	22.61	22.69	22.67			
10	16QAM	1	0	21.99	21.89	21.95			
10	64QAM	1	25	21.97	21.99	22.11	22.4	2	
10	64QAM	1	49	21.98	21.97	22.07			
10	64QAM	25	12	21.77	21.76	21.88			
10	64QAM	25	25	21.78	21.81	21.85			
10	64QAM	50	0	21.88	21.89	21.82	22.4	2	
10	64QAM	50	25	21.80	21.80	21.86			
10	25QAM	1	25	18.42	18.38	18.38			
10	25QAM	1	49	18.34	18.44	18.43			
10	25QAM	25	0	18.30	18.39	18.27	19.4	5	
10	25QAM	25	12	18.28	18.33	18.20			
10	25QAM	25	25	18.42	18.38	18.38			
10	25QAM	50	0	18.24	18.31	18.35			
Channel									
Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.69	23.63	23.84	24.4	0	
5	QPSK	1	12	23.63	23.67	23.91			
5	QPSK	25	24	23.73	23.71	23.81			
5	QPSK	12	0	23.23	23.31	23.23			
5	QPSK	12	7	23.18	23.13	23.26	23.9	0.5	
5	QPSK	12	13	23.31	23.27	23.15			
5	QPSK	25	0	23.17	23.28	23.19			
5	16QAM	1	0	23.21	23.22	23.20			
5	16QAM	1	12	23.29	23.18	23.31	23.9	0.5	
5	16QAM	1	24	23.39	23.27	23.47			
5	16QAM	12	0	22.79	22.56	22.73			
5	16QAM	12	7	22.69	22.69	22.77			
5	16QAM	25	13	22.71	22.72	22.81	23.4	1	
5	16QAM	25	0	22.71	22.73	22.80			
5	64QAM	1	0	21.96	21.89	21.87			
5	64QAM	1	12	22.05	22.03	22.10			
5	64QAM	12	0	21.75	21.73	21.86	22.4	2	
5	64QAM	12	0	21.75	21.73	21.86			
5	64QAM	12	7	21.83	21.83	21.85			
5	64QAM	12	13	21.82	21.79	21.84			
5	25QAM	25	0	18.26	18.73	21.82	19.4	5	
5	25QAM	25	12	18.29	18.38	18.35			
5	25QAM	1	12	18.43	18.41	18.35			
5	25QAM	1	24	18.43	18.39	18.39			
5	25QAM	12	0	18.32	18.39	18.19	19.4	5	
5	25QAM	12	7	18.26	18.26	18.18			
5	25QAM	12	13	18.33	18.41	18.26			
5	25QAM	25	0	18.28	18.35	18.32			

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													
				37650	38000	38150							
Frequency (MHz)													
20	QPSK	1	0	2580	2595	2610	21	0					
20	QPSK	1	49	20.32	20.26	20.31							
20	QPSK	1	99	20.39	20.44	20.42							
20	QPSK	50	0	19.85	19.90	19.97							
20	QPSK	50	24	19.91	19.81	19.93							
20	QPSK	50	50	19.88	19.85	19.95	20.5	0.5					
20	QPSK	100	0	19.93	19.96	19.95							
20	16QAM	1	0	19.92	19.87	19.77							
20	16QAM	1	49	20.01	19.99	20.03							
20	16QAM	1	99	20.02	20.03	20.00							
20	16QAM	50	0	19.39	19.28	19.48	20	1					
20	16QAM	50	24	19.47	19.29	19.49							
20	16QAM	100	0	19.40	19.35	19.50							
20	64QAM	1	0	18.64	18.53	18.59							
20	64QAM	1	49	18.66	18.71	18.78							
20	64QAM	1	99	18.70	18.65	18.73	19	2					
20	64QAM	50	0	18.42	18.39	18.46							
20	64QAM	50	24	18.48	18.41	18.57							
20	64QAM	50	50	18.49	18.44	18.61							
20	64QAM	100	0	18.48	18.42	18.55							
20	256QAM	1	0	15.48	15.53	15.39	16	5					
20	256QAM	1	49	15.46	15.44	15.42							
20	256QAM	1	99	15.43	15.49	15.52							
20	256QAM	50	0	15.46	15.39	15.43							
20	256QAM	50	24	15.44	15.45	15.41							
20	256QAM	50	50	15.44	15.42	15.44	16	5					
20	256QAM	100	0	15.42	15.46	15.47							
Channel													
				37625	38000	38175							
Frequency (MHz)													
15	QPSK	1	0	20.28	20.19	20.26	21	0					
15	QPSK	1	37	20.26	20.39	20.44							
15	QPSK	1	74	20.25	20.38	20.28							
15	QPSK	36	0	19.82	19.91	19.90							
15	QPSK	36	20	19.78	19.77	19.91							
15	QPSK	36	39	19.77	19.71	19.88	20.5	0.5					
15	QPSK	75	0	19.89	19.86	19.93							
15	16QAM	1	0	19.88	19.86	19.64							
15	16QAM	1	37	19.92	19.74	19.99							
15	16QAM	1	74	19.93	19.94	19.94							
15	16QAM	36	0	19.37	19.21	19.41	20	1					
15	16QAM	36	20	19.38	19.26	19.43							
15	16QAM	36	39	19.35	19.22	19.47							
15	16QAM	75	0	19.33	19.27	19.49							
15	64QAM	1	0	18.55	18.47	18.56							
15	64QAM	1	37	18.56	18.57	18.75	20	1					
15	64QAM	1	74	18.59	18.63	18.67							
15	64QAM	36	0	18.35	18.24	18.34							
15	64QAM	36	20	18.41	18.28	18.45							
15	64QAM	36	39	18.34	18.39	18.56							
15	64QAM	75	0	18.33	18.40	18.47	16	5					
15	256QAM	1	0	15.43	15.43	15.31							
15	256QAM	1	37	15.34	15.36	15.38							
15	256QAM	1	74	15.28	15.38	15.41							
15	256QAM	36	0	15.35	15.37	15.41							
15	256QAM	36	20	15.37	15.39	15.39	16	5					
15	256QAM	36	39	15.35	15.37	15.41							
15	256QAM	75	0	15.32	15.45	15.44							
Channel													
				37630	38000	38200							
Frequency (MHz)													
10	QPSK	1	0	20.17	20.16	20.19	21	0					
10	QPSK	1	25	20.31	20.33	20.36							
10	QPSK	1	49	20.32	20.38	20.38							
10	QPSK	25	0	19.87	19.87	19.84							
10	QPSK	25	0	19.87	19.87	19.73							
10	QPSK	25	25	19.80	19.70	19.85	20.5	0.5					
10	QPSK	50	0	19.80	19.89	19.86							
10	16QAM	1	0	19.80	19.83	19.67							
10	16QAM	1	25	19.86	19.76	19.88							
10	16QAM	36	0	19.82	19.88	19.93							
10	16QAM	25	0	19.32	19.14	19.40	20	1					
10	16QAM	25	12	19.34	19.22	19.46							
10	16QAM	25	25	19.34	19.25	19.41							
10	16QAM	50	0	19.26	19.16	19.36							
10	64QAM	1	0	18.57	18.44	18.50							
10	64QAM	1	25	18.61	18.69	18.70	20	1					
10	64QAM	1	49	18.62	18.59	18.58							
10	64QAM	25	0	18.27	18.34	18.41							
10	64QAM	25	12	18.42	18.31	18.46							
10	64QAM	25	25	18.35	18.29	18.46							
10	64QAM	50	0	18.36	18.28	18.51	16	5					
10	256QAM	1	0	15.33	15.50	15.33							
10	256QAM	1	25	15.39	15.31	15.33							
10	256QAM	1	49	15.31	15.37	15.48							
10	256QAM	25	0	15.42	15.34	15.30							
10	256QAM	25	12	15.34	15.31	15.31	16	5					
10	256QAM	25	25	15.40	15.35	15.33							
10	256QAM	50	0	15.38	15.35	15.33							
Channel													
				37775	38000	38225							
Frequency (MHz)													
5	QPSK	1	0	20.17	20.23	20.30	21	0					
5	QPSK	1	12	20.40	20.38	20.42							
5	QPSK	1	24	20.37	20.39	20.37							
5	QPSK	12	0	19.89	19.87	19.88							
5	QPSK	12	7	19.82	19.78	19.84							
5	QPSK	12	13	19.78	19.81	19.89	20.5	0.5					
5	QPSK	25	0	19.88	19.81	19.90							
5	16QAM	1	0	19.90	19.78	19.62							
5	16QAM	1	12	19.96	19.76	19.98							
5	16QAM	1	24	19.88	19.93	19.95							
5	16QAM	12	0	19.37	19.24	19.34	20	1					
5	16QAM	12	7	19.41	19.20	19.45							
5	16QAM	12	13	19.34	19.20	19.55							
5	16QAM	25	0	19.34	19.33	19.36							
5	64QAM	1	0	18.62	18.40	18.49							
5	64QAM	1	12	18.52	18.56	18.75	20	1					
5	64QAM	1	24	18.60	18.59	18.60							
5	64QAM	12	0	18.39	18.35	18.37							
5	64QAM	12	7	18.37	18.33	18.51							
5	64QAM	12	13	18.42	18.39	18.49	19	2					
5	64QAM	25	0	18.34	18.37	18.53							
5	64QAM	25	12	15.47	15.48	15.35							
5	256QAM	1	12	15.36	15.44	15.32							
5	256QAM	1	24	15.35	15.35	15.41							
5	256QAM	12	0	15.35	15.34	15.29	16	5					
5	256QAM	12	7	15.40	15.31	15.31							
5	256QAM	12	13	15.33	15.33	15.33							
5	256QAM	25	0	15.32	15.41	15.32							

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40165	40620	41065	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	21.69	21.83	21.88	21.85	21.77	22.3	0		
20	QPSK	1	49	21.59	21.72	21.79	21.83	21.73				
20	QPSK	1	99	21.58	21.74	21.77	21.74	21.71				
20	QPSK	50	0	21.18	21.25	21.35	21.32	21.33				
20	QPSK	50	24	21.09	21.22	21.23	21.28	21.30				
20	QPSK	50	60	21.12	21.20	21.31	21.25	21.19	21.8	0.5		
20	QPSK	100	0	21.15	21.23	21.32	21.31	21.24				
20	16QAM	1	0	21.20	21.27	21.14	21.38	21.32				
20	16QAM	1	49	21.12	21.18	21.10	21.34	21.25				
20	16QAM	1	99	21.15	21.19	21.09	21.37	21.21				
20	16QAM	50	0	20.57	20.69	20.68	20.81	20.79	21.3	1		
20	16QAM	50	24	20.62	20.69	20.76	20.87	20.75				
20	16QAM	50	50	20.68	20.80	20.61	20.83	20.76				
20	16QAM	100	0	20.61	20.74	20.75	20.83	20.77				
20	64QAM	1	0	19.77	19.86	19.95	20.10	20.02				
20	64QAM	1	49	19.86	20.04	20.03	20.10	20.00	20.3	2		
20	64QAM	1	99	19.88	20.07	20.04	20.00	20.02				
20	64QAM	50	0	19.56	19.67	19.68	19.80	19.76				
20	64QAM	50	24	19.84	19.73	19.73	19.85	19.78				
20	64QAM	50	50	19.67	19.78	19.78	19.82	19.77				
20	64QAM	100	0	19.57	19.73	19.73	19.80	19.71	20.3	2		
20	256QAM	1	0	16.37	16.40	16.48	16.37	16.45				
20	256QAM	1	49	16.32	16.38	16.43	16.30	16.38				
20	256QAM	1	99	16.40	16.37	16.48	16.35	16.45				
20	256QAM	50	0	16.40	16.41	16.46	16.42	16.41				
20	256QAM	50	24	16.35	16.37	16.46	16.37	16.35	17.3	5		
20	256QAM	50	50	16.45	16.39	16.50	16.45	16.48				
20	256QAM	100	0	16.50	16.46	16.51	16.48	16.48				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	21.54	21.65	21.69	21.80	21.59	22.3	0		
15	QPSK	1	37	21.59	21.74	21.86	21.74	21.70				
15	QPSK	1	74	21.48	21.70	21.67	21.69	21.63				
15	QPSK	36	0	21.10	21.24	21.26	21.24	21.32				
15	QPSK	36	20	21.00	21.16	21.18	21.14	21.28				
15	QPSK	36	39	20.88	21.16	21.21	21.18	21.07	21.8	0.5		
15	QPSK	75	0	21.12	21.19	21.22	21.24	21.14				
15	16QAM	1	0	21.09	21.19	21.03	21.32	21.29				
15	16QAM	1	37	21.09	21.10	21.02	21.32	21.15				
15	16QAM	1	74	21.04	21.08	20.95	21.35	21.08				
15	16QAM	36	0	20.96	20.90	20.91	20.73	20.74	21.3	1		
15	16QAM	36	20	20.60	20.60	20.88	20.77	20.63				
15	16QAM	36	39	20.63	20.71	20.77	20.74	20.73				
15	16QAM	75	0	20.54	20.72	20.71	20.77	20.74				
15	64QAM	1	0	19.73	19.90	19.86	20.05	19.97				
15	64QAM	1	37	19.73	19.84	19.88	19.96	19.98	20.3	2		
15	64QAM	1	74	19.73	20.03	19.93	19.97	19.99				
15	64QAM	36	0	19.46	19.52	19.53	19.77	19.61				
15	64QAM	36	20	19.50	19.59	19.71	19.74	19.73				
15	64QAM	36	39	19.59	19.57	19.66	19.68	19.73				
15	64QAM	75	0	19.51	19.61	19.60	19.68	19.68	17.3	5		
15	256QAM	1	0	16.27	16.39	16.46	16.26	16.43				
15	256QAM	1	37	16.18	16.28	16.31	16.25	16.28				
15	256QAM	1	74	16.26	16.26	16.38	16.27	16.34				
15	256QAM	36	0	16.36	16.38	16.37	16.41	16.38				
15	256QAM	36	20	16.28	16.24	16.44	16.30	16.24	17.3	5		
15	256QAM	36	39	16.34	16.34	16.35	16.38	16.34				
15	256QAM	75	0	16.36	16.43	16.40	16.43	16.33				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25001	25457	2593	2639	2685				
10	QPSK	1	0	21.50	21.67	21.66	21.72	21.59	22.3	0		
10	QPSK	1	25	21.58	21.69	21.62	21.81	21.70				
10	QPSK	1	49	21.52	21.66	21.73	21.71	21.68				
10	QPSK	25	0	21.06	21.22	21.29	21.28	21.27				
10	QPSK	25	12	21.05	21.27	21.16	21.16	21.29				
10	QPSK	25	25	21.02	21.13	21.23	21.14	21.10	21.8	0.5		
10	QPSK	50	0	21.09	21.22	21.31	21.23	21.14				
10	16QAM	1	0	21.07	21.24	21.01	21.35	21.23				
10	16QAM	1	25	21.01	21.20	21.05	21.32	21.15				
10	16QAM	1	49	21.12	21.07	20.92	21.28	21.17				
10	16QAM	25	0	20.48	20.67	20.64	20.75	20.58	21.3	1		
10	16QAM	25	12	20.61	20.66	20.63	20.83	20.70				
10	16QAM	25	25	20.55	20.69	20.78	20.80	20.64				
10	16QAM	50	0	20.57	20.69	20.70	20.82	20.73				
10	64QAM	1	0	19.74	19.81	19.85	20.08	19.98				
10	64QAM	1	25	19.79	19.80	19.91	20.00	19.86	20.3	2		
10	64QAM	1	49	19.84	19.94	19.98	19.98	19.89				
10	64QAM	25	0	19.47	19.59	19.55	19.79	19.67				
10	64QAM	25	12	19.52	19.69	19.66	19.84	19.72				
10	64QAM	25	25	19.66	19.76	19.65	19.74	19.65				
10	64QAM	50	0	19.42	19.61	19.67	19.69	19.68	17.3	5		
10	256QAM	1	0	16.34	16.38	16.37	16.27	16.41				
10	256QAM	1	25	16.19	16.29	16.32	16.26	16.26				
10	256QAM	1	49	16.39	16.32	16.35	16.31	16.44				
10	256QAM	25	0	16.36	16.37	16.42	16.39	16.36				
10	256QAM	25	12	16.27	16.29	16.33	16.31	16.33	17.3	5		
10	256QAM	25	25	16.31	16.36	16.47	16.35	16.47				
10	256QAM	50	0	16.40	16.43	16.50	16.46	16.45				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	21.46	21.60	21.72	21.76	21.67	22.3	0		
5	QPSK	1	12	21.67	21.66	21.75	21.79	21.70				
5	QPSK	1	24	21.50	21.66	21.70	21.70	21.68	21.8	0.5		
5	QPSK	12	0	21.06	21.23	21.23	21.27	21.24				
5	QPSK	12	7	20.96	21.10	21.15	21.23	21.16				
5	QPSK	12	13	21.03	21.16	21.18	21.20	21.18				
5	QPSK	25	0	21.13	21.08	21.31	21.26	21.23				
5	QPSK	1	0	21.07	21.21	21.01	21.35	21.23	21.3	1		
5	16QAM	1	12	20.99	21.13	21.08	21.31	21.23				
5	16QAM	1	24	21.11	21.11	21.08	21.28	21.21				
5	16QAM	12	0	20.55	20.58	20.62	20.77	20.76				
5	16QAM	12	7	20.61	20.56	20.63	20.79	20.72				
5	16QAM	12	20	20.54	20.69	20.72	20.74	20.67	20.3	2		
5	16QAM	25	0	20.49	20.72	20.61	20.73	20.62				
5	64QAM	1	0	19.74	19.83	19.86	19.96	19.93				
5	64QAM	1	12	19.80	19.88	19.95	20.02	19.98				
5	64QAM	1	24	19.78	20.06	19.96	20.02	19.91				
5	64QAM	12	0	19.47	19.55	19.59	19.86	19.61	20.3	2		
5	64QAM	12	7	19.62	19.58	19.61	19.78	19.77				
5	64QAM	12	13	19.53	19.75	19.73	19.69	19.63				
5	64QAM	25	0	19.45	19.65	19.72	19.70	19.65				
5	256QAM	1	0	16.35	16.38	16.37	16.27	16.35				
5	256QAM	1	12	16.26	16.35	16.36	16.26	16.30	17.3	5		
5	256QAM	12	0	16.30	16.31	16.37	16.30	16.34				
5	256QAM	12	7	16.33	16.32	16.47	16.32	16.32				
5	256QAM	12	13	16.33	16.26	16.47	16.38	16.42	17.3	5		
5	256QAM	25	0	16.35	16.45	16.36	16.38	16.33				

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	2506	2549	2593	2636,5	2680	25.2	0	
20	QPSK	1	49	2472	2464	2479	2466	2477			
20	QPSK	1	99	2463	2468	2474	2471	2482			
20	QPSK	50	0	2441	2433	2443	2439	2442			
20	QPSK	50	24	2419	2422	2433	2429	2426			
20	QPSK	50	50	2434	2429	2436	2432	2433	24.7	0.5	
20	QPSK	100	0	2430	2431	2440	2435	2426			
20	16QAM	1	0	2458	2453	2460	2446	2458			
20	16QAM	1	49	2433	2439	2445	2438	2433			
20	16QAM	1	99	2447	2441	2454	2440	2440			
20	16QAM	50	0	2387	2388	2398	2397	2396	24.2	1	
20	16QAM	50	24	2372	2383	2386	2382	2372			
20	16QAM	50	50	2390	2389	2393	2388	2379			
20	16QAM	100	0	2381	2381	2392	2391	2390			
20	64QAM	1	0	2331	2343	2346	2343	2335			
20	64QAM	1	49	2324	2333	2338	2329	2323	24.2	1	
20	64QAM	1	99	2328	2327	2334	2333	2327			
20	64QAM	50	0	2284	2286	2288	2284	2287			
20	64QAM	50	24	2281	2273	2284	2271	2282			
20	64QAM	50	50	2283	2280	2286	2278	2280			
20	64QAM	100	0	2275	2273	2278	2275	2269	23.2	2	
20	256QAM	1	0	1946	1949	1951	1948	1942			
20	256QAM	1	49	1954	1956	1960	1948	1955			
20	256QAM	1	99	1958	1964	1965	1953	1961			
20	256QAM	50	0	1951	1948	1962	1961	1958			
20	256QAM	50	24	1939	1950	1951	1943	1938	20.2	5	
20	256QAM	50	50	1948	1945	1952	1939	1945			
20	256QAM	100	0	1955	1955	1958	1950	1952			
Channel											
Frequency (MHz)				39725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	2458	2457	2467	2463	2470	25.2	0	
15	QPSK	1	37	2470	2464	2473	2468	2472			
15	QPSK	1	74	2451	2453	2469	2466	2474			
15	QPSK	36	0	2428	2418	2433	2436	2430			
15	QPSK	36	20	2415	2410	2421	2414	2411			
15	QPSK	36	39	2422	2417	2430	2426	2431	24.7	0.5	
15	QPSK	75	0	2423	2420	2429	2424	2424			
15	16QAM	1	0	2450	2452	2449	2441	2453			
15	16QAM	1	37	2429	2425	2438	2435	2431			
15	16QAM	1	74	2433	2428	2451	2428	2435			
15	16QAM	36	0	2381	2387	2396	2396	2384	24.2	1	
15	16QAM	36	20	2387	2370	2381	2373	2370			
15	16QAM	36	39	2381	2374	2382	2381	2386			
15	16QAM	75	0	2371	2377	2384	2378	2388			
15	64QAM	1	0	2327	2335	2340	2328	2332			
15	64QAM	1	37	2323	2331	2329	2320	2329	24.2	1	
15	64QAM	1	74	2327	2318	2333	2318	2318			
15	64QAM	36	0	2280	2280	2285	2270	2281			
15	64QAM	36	20	2286	2282	2283	2270	2271			
15	64QAM	36	39	2270	2275	2275	2267	2271			
15	64QAM	75	0	2263	2264	2269	2267	2265	20.2	5	
15	256QAM	1	0	1937	1947	1950	1940	1946			
15	256QAM	1	37	1945	1941	1958	1942	1941			
15	256QAM	1	74	1948	1960	1962	1943	1941			
15	256QAM	36	0	1937	1946	1952	1958	1954			
15	256QAM	36	20	1932	1938	1944	1941	1933	20.2	5	
15	256QAM	36	39	1946	1934	1944	1931	1941			
15	256QAM	75	0	1943	1943	1951	1944	1948			
Channel											
Frequency (MHz)				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	2484	2463	2468	2452	2467	25.2	0	
10	QPSK	1	25	2474	2476	2472	2471	2469			
10	QPSK	1	49	2454	2456	2462	2456	2479			
10	QPSK	25	0	2428	2426	2432	2426	2440			
10	QPSK	25	12	2416	2420	2423	2415	2410			
10	QPSK	25	25	2420	2426	2428	2418	2423	24.7	0.5	
10	QPSK	50	0	2417	2421	2434	2427	2435			
10	16QAM	1	0	2445	2442	2458	2440	2451			
10	16QAM	1	25	2421	2435	2441	2430	2416			
10	16QAM	1	49	2440	2433	2439	2434	2438			
10	16QAM	25	0	2377	2378	2383	2388	2384	24.2	1	
10	16QAM	25	12	2380	2379	2377	2367	2368			
10	16QAM	25	25	2376	2387	2388	2375	2364			
10	16QAM	50	0	2330	2376	2386	2379	2365			
10	64QAM	1	0	2330	2335	2339	2335	2324			
10	64QAM	1	25	2311	2318	2324	2320	2327	24.2	1	
10	64QAM	1	49	2313	2312	2331	2322	2325			
10	64QAM	25	0	2279	2278	2279	2277	2286			
10	64QAM	25	12	2272	2264	2271	2269	2278			
10	64QAM	25	25	2269	2279	2279	2268	2271			
10	64QAM	50	0	2272	2271	2271	2273	2254	20.2	5	
10	256QAM	1	0	1945	1948	1943	1936	1935			
10	256QAM	1	25	1948	1943	1947	1939	1948			
10	256QAM	1	49	1950	1956	1960	1939	1939			
10	256QAM	25	0	1938	1941	1952	1949	1944			
10	256QAM	25	12	1934	1937	1939	1935	1934	20.2	5	
10	256QAM	25	25	1947	1941	1951	1929	1938			
10	256QAM	50	0	1948	1954	1946	1942	1946			
Channel											
Frequency (MHz)				39675	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	2464	2453	2474	2455	2463	25.2	0	
5	QPSK	1	12	2475	2465	2484	2466	2478			
5	QPSK	1	24	2461	2456	2460	2470	2478			
5	QPSK	12	0	2426	2423	2430	2435	2430			
5	QPSK	12	7	2409	2413	2426	2426	2421			
5	QPSK	12	13	2422	2417	2427	2417	2423	24.7	0.5	
5	QPSK	25	0	2426	2417	2431	2426	2421			
5	16QAM	1	0	2436	2451	2453	2442	2451			
5	16QAM	1	12	2422	2429	2444	2428	2429			
5	16QAM	1	24	2438	2432	2449	2433	2435			
5	16QAM	12	0	2379	2384	2395	2391	2388	24.2	1	
5	16QAM	12	7	2362	2378	2380	2375	2357			
5	16QAM	12	13	2380	2377	2365	2376	2371			
5	16QAM	25	0	2378	2372	2390	2383	2384			
5	64QAM	1	0	2330	2337	2334	2333	2320	24.2	1	
5	64QAM	1	12	2319	2323	2330	2315	2329			
5	64QAM	1	24	2338	2341	2346	2332	2344			
5	64QAM	12	7	2272	2261	2271	2268	2268			
5	64QAM	12	13	2275	2265	2272	2268	2274			
5	64QAM	25	0	2266	2271	2277	2262	2264	23.2	2	
5	256QAM	1	0	1937	1940	1936	1930	1929			
5	256QAM	1	12	1947	1950	1948	1941	1952			
5	256QAM	1	24	1956	1953	1952	1940	1940			
5	256QAM	12	0	1936	1941	1957	1940	1957			
5	256QAM	12	7	1937	1938	1938	1929	1926	20.2	5	
5	256QAM	12	13	1943	1930	1950	1933	1932			
5	256QAM	25	0	1940	1950	1957	1947	1940			

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		31.70	31.80	31.76	32.60	22.70	22.80	22.76	23.60		22.70	22.80	22.76
GPRS/EDGE(GMSK) 1 Tx slot		31.67	31.78	31.64	32.60	22.67	22.78	22.64	23.60		22.67	22.78	22.64
GPRS/EDGE(GMSK) 2 Tx slots		29.23	29.26	29.15	30.10	23.23	23.26	23.15	24.10		23.23	23.26	23.15
GPRS/EDGE(GMSK) 3 Tx slots		27.49	27.53	27.46	28.60	23.23	23.27	23.20	24.34		23.23	23.27	23.20
GPRS/EDGE(GMSK) 4 Tx slots		26.19	26.24	26.21	27.10	23.19	23.24	23.21	24.10		23.19	23.24	23.21
EDGE 1 Tx slot		26.28	26.30	26.35	26.80	17.28	17.30	17.35	17.80		17.28	17.30	17.35
EDGE 2 Tx slot		25.20	25.25	25.18	25.80	16.30	16.35	16.18	16.80		16.30	16.35	16.18
EDGE 3 Tx slot		23.00	23.03	22.98	23.60	18.74	18.77	18.72	19.34		18.74	18.77	18.72
EDGE 4 Tx slot		21.43	21.45	21.37	22.10	18.43	18.45	18.37	19.10		18.43	18.45	18.37

Reduced Power Mode for ECI 3

GSM850_Ant 1		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		32.16	32.17	32.05	33.50	23.16	23.17	23.05	24.50		23.16	23.17	23.05
GPRS/EDGE(GMSK) 1 Tx slot		32.12	32.15	32.01	33.50	23.12	23.15	23.01	24.50		23.12	23.15	23.01
GPRS/EDGE(GMSK) 2 Tx slots		29.59	29.70	29.65	31.00	23.59	23.70	23.65	25.00		23.59	23.70	23.65
GPRS/EDGE(GMSK) 3 Tx slots		28.01	28.13	28.05	29.50	23.75	23.87	23.70	25.24		23.75	23.87	23.70
GPRS/EDGE(GMSK) 4 Tx slots		26.94	27.08	26.97	28.00	23.94	24.08	23.97	25.00		23.94	24.08	23.97
EDGE 1 Tx slot		26.17	26.30	26.29	27.20	17.17	17.30	17.29	18.20		17.17	17.30	17.29
EDGE 2 Tx slot		25.00	25.12	25.00	26.00	19.00	19.12	19.00	20.00		19.00	19.12	19.00
EDGE 3 Tx slot		22.95	22.96	22.86	24.00	18.69	18.70	18.62	19.74		18.69	18.70	18.62
EDGE 4 Tx slot		21.23	21.35	21.26	22.50	18.23	18.35	18.26	19.50		18.23	18.35	18.26

GSM1900_Ant 5		Burst Average Power (dBm)			Tune-up			Frame-Average Power (dBm)			Tune-up		
TX Channel		812	861	810	Limit			812	861	810	Limit		
Frequency (MHz)		1850.2	1860	1909.8	(dBm)			1850.2	1860	1909.8	(dBm)		
GSM 1 Tx slot		29.80	29.83	29.85	30.50	20.80	20.83	20.85	21.50		20.80	20.83	20.85
GPRS/EDGE(GMSK) 1 Tx slot		29.78	29.80	29.78	30.50	20.78	20.80	20.78	21.50		20.78	20.80	20.78
GPRS/EDGE(GMSK) 2 Tx slots		27.27	27.42	27.31	28.50	21.27	21.42	21.31	22.20		21.27	21.42	21.31
GPRS/EDGE(GMSK) 3 Tx slots		25.77	25.83	25.73	26.50	21.51	21.57	21.47	22.24		21.51	21.57	21.47
GPRS/EDGE(GMSK) 4 Tx slots		24.61	24.65	24.53	25.00	21.61	21.65	21.53	22.00		21.61	21.65	21.53
EDGE 1 Tx slot		25.64	25.70	25.56	26.50	16.64	16.70	16.56	17.50		16.64	16.70	16.56
EDGE 2 Tx slot		23.83	23.85	23.82	24.50	17.83	17.85	17.82	18.50		17.83	17.85	17.82
EDGE 3 Tx slot		21.62	21.70	21.57	22.50	17.36	17.44	17.31	18.24		17.36	17.44	17.31
EDGE 4 Tx slot		20.62	20.69	20.65	21.50	17.62	17.69	17.65	18.50		17.62	17.69	17.65

GSM1800_Ant 6		Burst Average Power (dBm)			Tune-up			Frame-Average Power (dBm)			Tune-up		
TX Channel		812	861	810	Limit			812	861	810	Limit		
Frequency (MHz)		1850.2	1860	1909.8	(dBm)			1850.2	1860	1909.8	(dBm)		
GSM 1 Tx slot		29.43	29.48	29.42	29.70	20.43	20.48	20.42	20.70		20.43	20.48	20.42
GPRS/EDGE(GMSK) 1 Tx slot		29.41	29.45	29.39	29.70	20.41	20.45	20.39	20.70		20.41	20.45	20.39
GPRS/EDGE(GMSK) 2 Tx slots		26.90	26.95	26.88	27.70	20.90	20.95	20.88	21.70		20.90	20.95	20.88
GPRS/EDGE(GMSK) 3 Tx slots		25.28	25.33	25.30	25.70	21.02	21.07	21.04	21.44		21.02	21.07	21.04
GPRS/EDGE(GMSK) 4 Tx slots		24.15	24.19	24.12	24.20	21.15	21.19	21.12	21.20		21.15	21.19	21.12
EDGE 1 Tx slot		25.31	25.48	25.39	25.70	16.31	16.48	16.39	16.70		16.31	16.48	16.39
EDGE 2 Tx slot		23.23	23.46	23.37	23.70	17.23	17.46	17.37	17.70		17.23	17.46	17.37
EDGE 3 Tx slot		21.09	21.30	21.20	21.70	16.83	17.04	16.94	17.44		16.83	17.04	16.94
EDGE 4 Tx slot		20.31	20.50	20.48	20.70	17.31	17.50	17.48	17.70		17.31	17.50	17.48

Band		WCDMA II_Ant 5			Tune-up			WCDMA II_Ant 6			Tune-up		
TX Channel		9502	9600	9598	Limit			9502	9600	9598	Limit		
Rx Channel		9602	9600	9598	(dBm)			9602	9600	9598	(dBm)		
Frequency (MHz)		1852.4	1860	1907.6	(dBm)			1852.4	1860	1907.6	(dBm)		
3GPP Rel 99		18.93	18.99	18.96	19.80	20.29	20.34	20.29	20.90		20.29	20.34	20.29
3GPP Rel 99		19.00	19.05	19.02	19.80	20.36	20.40	20.33	20.90		20.36	20.40	20.33
3GPP Rel 6		18.92	18.96	18.99	19.80	20.21	20.24	20.28	20.90		20.21	20.24	20.28
3GPP Rel 6		18.91	18.92	18.91	19.80	20.30	20.36	20.21	20.90		20.30	20.36	20.21
3GPP Rel 6		18.85	18.95	18.90	19.80	20.26	20.33	20.18	20.90		20.26	20.33	20.18
3GPP Rel 6		18.95	18.95	18.97	19.80	20.28	20.30	20.24	20.90		20.28	20.30	20.24
3GPP Rel 6		18.87	18.99	18.96	19.80	20.26	20.31	20.26	20.90		20.26	20.31	20.26
3GPP Rel 6		18.98	18.97	18.98	19.80	20.31	20.29	20.29	20.90		20.31	20.29	20.29
3GPP Rel 6		18.90	19.02	18.87	19.80	20.23	20.32	20.26	20.90		20.23	20.32	20.26
3GPP Rel 6		18.94	18.91	18.87	19.80	20.21	20.33	20.19	20.90		20.21	20.33	20.19
3GPP Rel 6		18.88	18.95	18.93	19.80	20.26	20.28	20.26	20.90		20.26	20.28	20.26
3GPP Rel 6		18.90	18.92	18.95	19.80	20.32	20.25	20.32	20.90		20.32	20.25	20.32
3GPP Rel 6		18.97	19.03	18.91	19.80	20.35	20.38	20.25	20.90		20.35	20.38	20.25
3GPP Rel 6		18.90	19.00	18.93	19.80	20.27	20.31	20.26	20.90		20.27	20.31	20.26
3GPP Rel 6		18.87	19.04	19.01	19.80	20.34	20.25	20.31	20.90		20.34	20.25	20.31
3GPP Rel 7		18.94	18.98	19.00	19.80	20.30	20.36	20.27	20.90		20.30	20.36	20.27

Band		WCDMA IV_Ant5					WCDMA IV_Ant6					WCDMA IV_Ant11					WCDMA IV_Ant7				
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			1537	1638	1738			1537	1638	1738			1537	1638	1738		
Frequency (MHz)		1712.4	1752.6	1752.6			1712.4	1752.6	1752.6			1712.4	1752.6	1752.6			1712.4	1752.6	1752.6		
3GPP Rel 99	AMR 12.2kbps	20.08	20.08	20.07	20.80	19.86	19.85	19.85	20.40	20.09	20.11	20.15	20.80	19.34	19.33	19.21	20.10				
3GPP Rel 99	RMC 12.2kbps	20.16	20.20	20.15	20.80	19.95	19.98	19.90	20.40	20.15	20.22	20.20	20.80	19.36	19.42	19.34	20.10				
3GPP Rel 6	HS-PA Subset-1	20.01	20.06	20.07	20.80	19.84	19.95	19.76	20.40	20.12	20.07	20.07	20.80	19.30	19.37	19.24	20.10				
3GPP Rel 6	HS-PA Subset-2	20.01	20.13	20.04	20.80	19.89	19.86	19.78	20.40	20.05	20.09	20.08	20.80	19.21	19.37	19.25	20.10				
3GPP Rel 6	HS-PA Subset-3	20.06	20.07	20.03	20.80	19.84	19.85	19.82	20.40	20.10	20.08	20.08	20.80	19.34	19.33	19.21	20.10				
3GPP Rel 6	HS-PA Subset-4	20.13	20.13	20.02	20.80	19.83	19.95	19.81	20.40	20.10	20.18	20.12	20.80	19.28	19.27	19.30	20.10				
3GPP Rel 6	DC-HSPA Subset-1	20.15	20.19	20.03	20.80	19.63	19.96	19.77	20.40	20.04	20.09	20.10	20.80	19.25	19.34	19.31	20.10				
3GPP Rel 6	DC-HSPA Subset-2	20.07	20.08	20.03	20.80	19.91	19.96	19.75	20.40	20.08	20.07	20.05	20.80	19.30	19.34	19.21	20.10				
3GPP Rel 6	DC-HSPA Subset-3	20.09	20.10	20.03	20.80	19.89	19.95	19.76	20.40	20.11	20.08	20.08	20.80	19.28	19.34	19.21	20.10				
3GPP Rel 6	DC-HSPA Subset-4	20.14	20.08	20.03	20.80	19.82	19.83	19.76	20.40	20.03	20.13	20.06	20.80	19.36	19.32	19.18	20.10				
3GPP Rel 6	HS-PA Subset-1	20.15	20.12	20.09	20.80	19.85	19.97	19.81	20.40	20.13	20.14	20.13	20.80	19.03	19.03	18.83	19.86	19.80			
3GPP Rel 6	HS-PA Subset-2	20.06	20.09	20.14	20.80	19.87	19.93	19.83	20.40	20.08	20.08	20.06	20.80	19.00	19.90	18.84	19.84	19.80			
3GPP Rel 6	HS-PA Subset-3	20.06	20.11	20.10	20.80	19.89	19.83	19.95	20.40	20.14	20.15	20.06	20.80	18.82	18.89	18.86	19.86				
3GPP Rel 6	HS-PA Subset-4	20.13	20.13	20.02	20.80	19.83	19.95	19.81	20.40	20.10	20.18	20.12	20.80	19.28	19.27	19.30	20.10				
3GPP Rel 6	HS-PA Subset-5	20.14	20.07	20.07	20.80	19.81	19.92	19.82	20.40	20.06	20.10	20.11	20.80	19.21	19.28	19.30	20.10				
3GPP Rel 7	HSPA (16QAM) Subset-1	20.14	20.07	20.00	20.80	19.83	19.85	19.82	20.40	20.07	20.10	20.09	20.80	18.84	18.92	18.91	20.10				



Band 2_Ant 5										Band 2_Ant 6										Band 2_Ant 11										Band 2_Ant 7											
BW (MHz)	Modulation	RF Sub	RF Offset	Power Low Ch / Freqs	Power High Ch / Freqs	Power Low Ch / Freqs	Power High Ch / Freqs	Turn-up time (min)	MFR (dB)	BW (MHz)	Modulation	RF Sub	RF Offset	Power Low Ch / Freqs	Power High Ch / Freqs	Power Low Ch / Freqs	Power High Ch / Freqs	Turn-up time (min)	MFR (dB)	BW (MHz)	Modulation	RF Sub	RF Offset	Power Low Ch / Freqs	Power High Ch / Freqs	Power Low Ch / Freqs	Power High Ch / Freqs	Turn-up time (min)	MFR (dB)	BW (MHz)	Modulation	RF Sub	RF Offset	Power Low Ch / Freqs	Power High Ch / Freqs	Power Low Ch / Freqs	Power High Ch / Freqs	Turn-up time (min)	MFR (dB)		
Channel 1										Channel 2										Channel 3										Channel 4											
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)											
20	QPSK	1	0	15.11	15.15	15.09		19.8	0	20	QPSK	1	0	20.21	20.25	20.16		20.9	0	20	QPSK	1	0	20.01	20.05	19.91		20.7	0	20	QPSK	1	0	19.89	19.93	19.84		19.8	0		
20	QPSK	1	49	15.88	15.92	15.82				20	QPSK	1	49	20.97	20.99	20.87						20	QPSK	1	49	20.83	20.87	20.61				20	QPSK	1	49	20.69	20.73	20.58		20.4	0
20	QPSK	50	0	15.08	15.12	15.02				20	QPSK	50	0	20.16	20.20	20.11						20	QPSK	50	0	20.07	20.09	19.97				20	QPSK	50	0	19.93	19.97	19.84		19.6	0
20	QPSK	50	24	15.85	15.89	15.79				20	QPSK	50	24	20.92	20.94	20.83						20	QPSK	50	24	20.83	20.86	20.66				20	QPSK	50	24	20.69	20.73	20.54		20.4	0
20	QPSK	50	49	16.62	16.66	16.52				20	QPSK	50	49	21.61	21.65	21.48						20	QPSK	50	49	21.54	21.58	21.34				20	QPSK	50	49	21.40	21.44	21.16		21.0	0
20	QPSK	100	0	15.02	15.10	15.00				20	QPSK	100	0	20.07	20.10	20.03						20	QPSK	100	0	19.99	20.04	19.96				20	QPSK	100	0	19.82	19.90	19.82		19.6	0
20	QPSK	1	0	15.09	15.08	15.08				20	QPSK	1	0	20.18	20.19	20.18						20	QPSK	1	0	20.02	20.03	19.99				20	QPSK	1	0	19.84	19.87	19.73		19.4	0
20	QPSK	1	49	15.87	15.86	15.86				20	QPSK	1	49	20.94	20.95	20.94						20	QPSK	1	49	20.89	20.90	20.90				20	QPSK	1	49	20.83	20.87	20.81		20.6	0
20	QPSK	1	99	16.07	16.14	16.07				20	QPSK	1	99	20.16	20.16	20.09						20	QPSK	1	99	19.96	20.00	19.97				20	QPSK	1	99	19.87	19.99	19.76		19.4	0
20	QPSK	50	0	15.09	15.07	15.05				20	QPSK	50	0	20.14	20.15	20.07						20	QPSK	50	0	19.85	19.87	19.85				20	QPSK	50	0	19.62	19.63	19.61		19.4	0
20	QPSK	50	24	15.88	15.10	15.06				20	QPSK	50	24	20.18	20.10	20.14						20	QPSK	50	24	19.93	19.92	19.91				20	QPSK	50	24	19.78	19.76	19.71		19.4	0
20	QPSK	50	49	16.08	16.14	16.04				20	QPSK	50	49	20.18	20.10	20.14						20	QPSK	50	49	19.93	19.92	19.91				20	QPSK	50	49	19.78	19.76	19.71		19.4	0
20	QPSK	100	0	15.08	15.14	15.04				20	QPSK	100	0	20.18	20.10	20.14						20	QPSK	100	0	20.02	20.06	19.84				20	QPSK	100	0	19.78	19.88	19.84		19.4	0
20	QPSK	100	0	15.09	15.11	15.03				20	QPSK	100	0	20.12	20.15	20.16						20	QPSK	100	0	19.84	19.90	19.84				20	QPSK	100	0	19.62	19.67	19.67		19.4	0
20	QPSK	1	99	16.07	16.08	16.06				20	QPSK	1	99	20.12	20.12	20.16						20	QPSK	1	99	19.89	19.90	19.98				20	QPSK	1	99	19.73	19.80	19.76		19.4	0
20	QPSK	50	24	15.90	15.12	15.06				20	QPSK	50	24	20.02	20.10	20.17						20	QPSK	50	24	19.82	19.86	19.77				20	QPSK	50	24	19.52	19.64	19.61		19.4	0
20	QPSK	50	49	16.09	16.12	16.04				20	QPSK	50	49	20.12	20.11	20.17						20	QPSK	50	49	19.84	19.90	19.71				20	QPSK	50	49	19.58	19.62	19.54		19.4	0
20	QPSK	100	0	15.09	15.09	15.04				20	QPSK	100	0	20.12	20.15	20.16						20	QPSK	100	0	19.84	19.90	19.84				20	QPSK	100	0	19.62	19.67	19.67		19.4	0
20	QPSK	1	0	17.21	17.20	17.20				20	QPSK	1	0	17.66	17.69	17.60						20	QPSK	1	0	17.56	17.57	17.50				20	QPSK	1	0	17.31	17.31	17.23		17.0	0
20	QPSK	1	49	17.26	17.27	17.26				20	QPSK	1	49	17.50	17.58	17.53						20	QPSK	1	49	17.38	17.45	17.42				20	QPSK	1	49	17.16	17.22	17.16		16.8	2.5
20	QPSK	1	99	17.30	17.31	17.31				20	QPSK	1	99	17.58	17.68	17.66						20	QPSK	1	99	17.47	17.57	17.52				20	QPSK	1	99	17.23	17.31	17.22		17.0	2.5
20	QPSK	50	0	17.16	17.21	17.19				20	QPSK	50	0	17.57	17.63	17.63						20	QPSK	50	0	17.30	17.41	17.43				20	QPSK	50	0	17.10	17.21	17.13		16.8	2.5
20	QPSK	50	24	17.09	17.12	17.02				20	QPSK	50	24	17.52	17.61	17.65						20	QPSK	50	24	17.32	17.46	17.43				20	QPSK	50	24	17.13	17.23	17.12		16.8	2.5
20	QPSK	50	49	17.30	17.31	17.31				20	QPSK	50	49	17.58	17.63	17.63						20	QPSK	50	49	17.47	17.48	17.43				20	QPSK	50	49	17.23	17.33	17.23		17.0	2.5
20	QPSK	100	0	17.19	17.27	17.17				20	QPSK	100	0	17.50	17.54	17.47						20	QPSK	100	0	17.27	17.41	17.26				20	QPSK	100	0	17.04	17.31	17.08		16.8	2.5
Channel 5										Channel 6										Channel 7										Channel 8											
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)											
15	QPSK	1	0	19.09	19.09	19.04				15	QPSK	1	0	20.11	20.10	20.08					15	QPSK	1	0	19.89	19.89	19.80				15	QPSK	1	0	19.64	19.63	19.61		19.4	0	
15	QPSK	1	37	19.84	19.87	19.88				15	QPSK	1	37	20.13	20.02	20.10						15	QPSK	1	37	19.88	19.88	19.81				15	QPSK	1	37	19.63	19.65	19.67		19.4	0
15	QPSK	1	74	19.83	19.86	19.86				15	QPSK	1	74	20.18	20.09	20.10						15	QPSK	1	74	19.93	19.93	19.86				15	QPSK	1	74	19.68	19.70	19.71		19.4	0
15	QPSK	36	0	19.81	19.81	19.81				15	QPSK	36	0	20.11	20.10	20.14						15	QPSK	36	0	19.86	19.86	19.86				15	QPSK	36	0	19.65	19.60	19.60		19.4	0
15	QPSK	36	20	19.87	19.87	19.87				15	QPSK	36	20	20.15	20.12	20.03						15	QPSK	36	20	19.78	19.87	19.85				15	QPSK	36	20	19.78	19.73	19.74		19.4	0
15	QPSK	36	49	19.83	19.83	19.83				15	QPSK	36	49	20.03	20.07	20.08						15	QPSK	36	49	19.84	19.87	19.87				15	QPSK	36	49	19.73	19.75	19.75		19.4	0
15	QPSK	75	0	19.85	19.88	19.82				15	QPSK	75	0	20.04	20.07	20.01						15	QPSK	75	0	19.84	19.87	19.85				15	QPSK	75	0	19.71	19.81	19.69		19.4	0
15	QPSK	1	0	19.85	19.88	19.82				15	QPSK	1	0	20.10	20.10	20.09						15	QPSK	1	0	19.96	19.96	19.96				15	QPSK	1	0	19.76	19.76	19.76		19.4	0
15	QPSK	1	37	19.87	19.87	19.87				15	QPSK	1	37	20.13	20.02	20.10						15	QPSK	1	37	19.88	19.88	19.81				15	QPSK	1	37	19.63	19.65	19.67		19.4	0
15	QPSK	1	74	19.83	19.86	19.86				15	QPSK	1	74	20.18	20.09	20.10																									

[illegible]

Band 5_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int (dB))	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.12	24.14	24.01	25	0				
10	QPSK	1	25	23.98	24.10	24.07						
10	QPSK	1	49	24.07	23.99	23.97						
10	QPSK	25	0	23.52	23.53	23.53	24.5	0.5				
10	QPSK	25	12	23.52	23.49	23.46						
10	QPSK	25	25	23.53	23.52	23.58						
10	QPSK	50	0	23.51	23.53	23.51	24.5	0.5				
10	SSBQAM	1	0	23.65	23.79	23.86						
10	SSBQAM	1	25	23.65	23.77	23.68						
10	SSBQAM	1	49	23.89	23.88	23.75	24	1				
10	SSBQAM	25	0	23.63	23.68	23.65						
10	SSBQAM	25	12	23.63	23.63	23.61						
10	SSBQAM	25	25	23.63	23.63	23.61	23	2				
10	SSBQAM	50	0	21.99	22.01	21.90						
10	SSBQAM	1	0	18.52	18.58	18.54						
10	SSBQAM	1	25	18.52	18.63	18.52	20	5				
10	SSBQAM	1	49	18.55	18.57	18.46						
10	SSBQAM	25	0	18.44	18.59	18.55						
10	SSBQAM	25	12	18.44	18.52	18.42	20	5				
10	SSBQAM	25	25	18.47	18.57	18.44						
10	SSBQAM	50	0	18.52	18.62	18.42						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.97	24.05	23.93	25	0				
5	QPSK	1	12	24.08	24.14	23.98						
5	QPSK	1	24	23.97	23.97	23.92						
5	QPSK	12	0	23.42	23.41	23.40	24.5	0.5				
5	QPSK	12	13	23.41	23.46	23.45						
5	QPSK	25	0	23.50	23.52	23.42						
5	SSBQAM	1	0	23.72	23.70	23.73	24.5	0.5				
5	SSBQAM	1	12	23.69	23.71	23.55						
5	SSBQAM	1	24	23.68	23.68	23.66						
5	SSBQAM	12	0	22.78	22.82	22.82	24	1				
5	SSBQAM	12	7	22.82	22.85	22.82						
5	SSBQAM	12	24	22.79	22.94	22.80						
5	SSBQAM	25	0	22.60	22.65	22.63	24	1				
5	SSBQAM	25	12	22.57	22.60	22.38						
5	SSBQAM	25	24	22.54	22.64	22.45						
5	SSBQAM	12	0	21.84	21.89	21.88	23	2				
5	SSBQAM	12	7	21.87	21.86	21.84						
5	SSBQAM	12	24	21.84	21.86	21.76						
5	SSBQAM	25	0	18.40	18.54	18.43	20	5				
5	SSBQAM	25	12	18.44	18.51	18.36						
5	SSBQAM	25	24	18.44	18.55	18.46						
5	SSBQAM	12	0	18.30	18.55	18.46	20	5				
5	SSBQAM	12	7	18.30	18.55	18.42						
5	SSBQAM	12	24	18.33	18.42	18.30						
5	SSBQAM	25	0	18.48	18.52	18.48						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.95	24.05	23.96	25	0				
3	QPSK	1	8	23.98	24.01	24.01						
3	QPSK	1	16	23.95	23.95	23.95						
3	QPSK	8	0	23.43	23.45	23.51	24.5	0.5				
3	QPSK	8	4	23.48	23.47	23.48						
3	QPSK	8	16	23.41	23.41	23.48						
3	QPSK	15	0	23.41	23.56	23.41	24.5	0.5				
3	SSBQAM	1	0	23.64	23.74	23.78						
3	SSBQAM	1	8	23.66	23.67	23.61						
3	SSBQAM	1	16	23.78	23.56	23.74	24	1				
3	SSBQAM	8	0	22.85	22.83	23.04						
3	SSBQAM	8	4	22.87	22.88	22.86						
3	SSBQAM	8	7	22.79	22.89	22.85	23	2				
3	SSBQAM	15	0	22.86	22.96	22.82						
3	SSBQAM	1	0	22.45	22.34	22.47						
3	SSBQAM	1	8	22.58	22.62	22.50	24	1				
3	SSBQAM	1	16	22.57	22.60	22.38						
3	SSBQAM	8	0	21.75	21.85	21.88						
3	SSBQAM	8	4	21.80	21.86	21.84	23	2				
3	SSBQAM	8	7	21.85	21.87	21.75						
3	SSBQAM	15	0	21.86	21.91	21.76						
3	SSBQAM	1	0	18.40	18.63	18.49	20	5				
3	SSBQAM	1	8	18.55	18.58	18.42						
3	SSBQAM	1	16	18.54	18.56	18.44						
3	SSBQAM	8	0	18.41	18.47	18.52	20	5				
3	SSBQAM	8	4	18.39	18.43	18.37						
3	SSBQAM	8	7	18.39	18.47	18.40						
3	SSBQAM	15	0	18.41	18.57	18.47						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.95	23.97	23.95	25	0				
1.4	QPSK	1	3	24.00	24.11	24.05						
1.4	QPSK	1	6	23.93	23.98	23.90						
1.4	QPSK	3	0	23.90	24.09	24.00	24.5	0.5				
1.4	QPSK	3	1	24.08	24.08	24.06						
1.4	QPSK	3	3	23.98	23.94	23.83						
1.4	QPSK	6	0	23.47	23.43	23.44	24.5	0.5				
1.4	QPSK	1	0	23.70	23.75	23.76						
1.4	QPSK	1	3	23.61	23.75	23.63						
1.4	QPSK	1	6	23.77	23.83	23.66	24.5	0.5				
1.4	QPSK	3	0	23.81	23.75	23.72						
1.4	QPSK	1	3	23.81	23.83	23.63						
1.4	QPSK	6	0	23.69	23.83	23.66	24	1				
1.4	SSBQAM	1	0	22.67	22.62	22.60						
1.4	SSBQAM	1	0	22.66	22.38	22.45						
1.4	SSBQAM	1	3	22.63	22.58	22.44	24	1				
1.4	SSBQAM	1	6	22.55	22.61	22.48						
1.4	SSBQAM	1	3	22.52	22.28	22.49						
1.4	SSBQAM	3	0	22.49	22.23	22.45	23	2				
1.4	SSBQAM	3	3	22.50	22.23	22.44						
1.4	SSBQAM	6	0	21.98	21.93	21.84						
1.4	SSBQAM	1	0	18.54	18.54	18.52	20	5				
1.4	SSBQAM	1	3	18.55	18.48	18.38						
1.4	SSBQAM	1	6	18.54	18.54	18.46						
1.4	SSBQAM	3	0	18.44	18.44	18.43	20	5				
1.4	SSBQAM	3	1	18.38	18.42	18.35						
1.4	SSBQAM	3	3	18.39	18.39	18.30						

Band 7_Ant 11									
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Timeup int. (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				21560	21560	21560			
20	QPSK	1	0	18.75	18.68	18.77			
20	QPSK	1	48	18.71	18.78	18.76	19.4	0	
20	QPSK	1	96	18.65	18.77	18.81			
20	QPSK	50	0	18.75	18.65	18.76			
20	QPSK	50	24	18.63	18.84	18.83	19.4	0	
20	QPSK	50	50	18.72	18.74	18.74			
20	QPSK	100	0	18.61	18.74	18.73			
20	HQAM	1	0	18.64	18.73	18.70			
20	HQAM	1	48	18.67	18.77	18.68	19.4	0	
20	HQAM	1	96	18.68	18.73	18.66			
20	HQAM	50	0	18.64	18.78	18.74			
20	HQAM	50	24	18.65	18.77	18.71	19.4	0	
20	HQAM	50	50	18.65	18.61	18.65			
20	HQAM	100	0	18.60	18.85	18.76			
20	HQAM	1	0	18.62	18.78	18.65			
20	HQAM	1	48	18.67	18.63	18.71	19.4	0	
20	HQAM	1	96	18.72	18.78	18.67			
20	HQAM	50	0	18.72	18.74	18.70	19.4	0	
20	HQAM	50	50	18.65	18.84	18.87			
20	HQAM	100	0	18.60	18.78	18.65			
20	SSBQAM	1	0	18.48	18.60	18.55			
20	SSBQAM	1	48	18.55	18.54	18.44	19.4	0	
20	SSBQAM	1	96	18.43	18.85	18.44			
20	SSBQAM	50	0	18.59	18.49	18.41			
20	SSBQAM	50	24	18.47	18.58	18.48	19.4	0	
20	SSBQAM	50	50	18.40	18.49	18.37			
20	SSBQAM	100	0	18.41	18.63	18.41			
Channel									
Frequency (MHz)				21565	21566	21570	18dBc int. (dBm)	MFR (dB)	
15	QPSK	1	0	18.65	18.84	18.82			
15	QPSK	1	37	18.68	18.66	18.75	19.4	0	
15	QPSK	1	74	18.71	18.68	18.63			
15	QPSK	36	0	18.68	18.74	18.71			
15	QPSK	36	20	18.50	18.70	18.62	19.4	0	
15	QPSK	36	39	18.70	18.72	18.68			
15	QPSK	75	0	18.54	18.66	18.71			
15	HQAM	1	0	18.62	18.61	18.56			
15	HQAM	1	37	18.63	18.65	18.68	19.4	0	
15	HQAM	1	74	18.67	18.72	18.52			
15	HQAM	36	0	18.56	18.68	18.72			
15	HQAM	36	20	18.54	18.71	18.70	19.4	0	
15	HQAM	36	39	18.59	18.67	18.52			
15	HQAM	75	0	18.45	18.74	18.62			
15	HQAM	1	0	18.54	18.67	18.59			
15	HQAM	1	37	18.52	18.71	18.65	19.4	0	
15	HQAM	1	74	18.57	18.73	18.64			
15	HQAM	36	0	18.57	18.61	18.57			
15	HQAM	36	20	18.57	18.63	18.59	19.4	0	
15	HQAM	36	39	18.56	18.77	18.60			
15	HQAM	75	0	18.55	18.75	18.64			
15	SSBQAM	1	0	18.58	18.59	18.45			
15	SSBQAM	1	37	18.56	18.51	18.42	19.4	0	
15	SSBQAM	1	74	18.45	18.65	18.40			
15	SSBQAM	36	0	18.51	18.49	18.40			
15	SSBQAM	36	20	18.54	18.44	18.44	19.4	0	
15	SSBQAM	36	39	18.38	18.44	18.36			
15	SSBQAM	75	0	18.32	18.52	18.37			
Channel									
Frequency (MHz)				21568	21568	21400	18dBc int. (dBm)	MFR (dB)	
15	QPSK	1	0	18.61	18.77	18.69			
10	QPSK	1	25	18.70	18.75	18.74	19.4	0	
10	QPSK	1	48	18.64	18.62	18.55			
10	QPSK	25	0	18.61	18.71	18.61			
10	QPSK	25	12	18.48	18.80	18.59	19.4	0	
10	QPSK	25	25	18.60	18.66	18.62			
10	QPSK	50	0	18.50	18.62	18.69			
10	HQAM	1	0	18.50	18.72	18.58	19.4	0	
10	HQAM	1	25	18.54	18.62	18.60			
10	HQAM	1	48	18.57	18.66	18.65			
10	HQAM	25	0	18.52	18.65	18.67			
10	HQAM	25	12	18.52	18.70	18.69	19.4	0	
10	HQAM	25	25	18.58	18.70	18.50			
10	HQAM	50	0	18.52	18.63	18.69			
10	HQAM	1	0	18.54	18.70	18.53			
10	HQAM	1	25	18.58	18.73	18.66	19.4	0	
10	HQAM	1	48	18.56	18.74	18.60			
10	HQAM	25	0	18.58	18.68	18.59			
10	HQAM	25	12	18.59	18.73	18.65	19.4	0	
10	HQAM	25	25	18.62	18.61	18.64			
10	HQAM	50	0	18.48	18.67	18.54			
10	SSBQAM	1	0	18.54	18.49	18.54			
10	SSBQAM	1	25	18.56	18.53	18.37	19.4	0	
10	SSBQAM	1	48	18.31	18.66	18.41			
10	SSBQAM	25	0	18.54	18.55	18.31			
10	SSBQAM	25	12	18.50	18.60	18.34	19.4	0	
10	SSBQAM	25	25	18.32	18.36	18.25			
10	SSBQAM	50	0	18.32	18.39	18.40			
Channel									
Frequency (MHz)				20775	21568	21425	18dBc int. (dBm)	MFR (dB)	
5	QPSK	1	0	18.68	18.79	18.82			
5	QPSK	1	12	18.70	18.66	18.75	19.4	0	
5	QPSK	1	24	18.50	18.71	18.54			
5	QPSK	12	0	18.59	18.84	18.61			
5	QPSK	12	7	18.51	18.62	18.52	19.4	0	
5	QPSK	12	13	18.61	18.59	18.71			
5	QPSK	25	0	18.48	18.68	18.70			
5	HQAM	1	0	18.50	18.63	18.58			
5	HQAM	1	12	18.64	18.68	18.62	19.4	0	
5	HQAM	1	24	18.67	18.72	18.53			
5	HQAM	12	0	18.57	18.76	18.63			
5	HQAM	12	7	18.64	18.78	18.62	19.4	0	
5	HQAM	12	13	18.62	18.67	18.61			
5	HQAM	25	0	18.48	18.63	18.72			
5	HQAM	1	0	18.58	18.64	18.59			
5	HQAM	1	12	18.59	18.60	18.67	19.4	0	
5	HQAM	1	24	18.61	18.71	18.52			
5	HQAM	12	0	18.60	18.66	18.61			
5	HQAM	12	7	18.64	18.71	18.64	19.4	0	
5	HQAM	12	13	18.58	18.69	18.58			
5	HQAM	25	0	18.57	18.74	18.53			
5	SSBQAM	1	0	18.57	18.57	18.54			
5	SSBQAM	1	12	18.48	18.64	18.43	19.4	0	
5	SSBQAM	1	24	18.35	18.45	18.35			
5	SSBQAM	12	0	18.28	18.45	18.27			
5	SSBQAM	12	7	18.20	18.24	18.21	19.4	0	
5	SSBQAM	12	13	18.38	18.36	18.25			
5	SSBQAM	25	0	18.38	18.50	18.36			

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 int. (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				20560	21560	21560			
20	QPSK	1	0	18.33	18.78	20.00			
20	QPSK	1	48	19.24	19.67	19.88	21	0	
20	QPSK	1	96	19.28	19.67	19.81			
20	QPSK	50	0	18.33	18.75	18.86			
20	QPSK	50	24	19.19	19.70	19.90	21	0	
20	QPSK	50	50	19.25	19.72	19.84			
20	QPSK	100	0	19.28	19.73	19.87			
20	HQAM	1	0	19.25	19.72	19.93	21	0	
20	HQAM	1	48	19.32	19.68	19.85			
20	HQAM	1	96	19.29	19.67	19.88			
20	HQAM	50	0	18.52	19.85	19.22			
20	HQAM	50	24	18.45	19.80	19.10	20	1	
20	HQAM	50	50	18.40	19.79	19.07			
20	HQAM	100	0	18.43	19.81	19.09			
20	HQAM	1	0	18.40	19.80	19.19			
20	HQAM	1	48	18.51	19.71	19.08	20	1	
20	HQAM	1	96	18.42	19.76	19.08			
20	HQAM	50	0	17.89	19.80	19.25			
20	HQAM	50	24	17.75	19.92	19.22	19	2	
20	HQAM	50	50	17.87	19.85	19.23			
20	HQAM	100	0	17.83	19.80	19.28			
20	SSBQAM	1	0	14.50	14.87	15.17	16	5	
20	SSBQAM	1	48	14.50	14.82	15.14			
20	SSBQAM	1	96	14.45	14.85	15.07			
20	SSBQAM	50	0	14.50	14.81	15.05			
20	SSBQAM	50	24	14.38	14.78	15.02	16	5	
20	SSBQAM	50	50	14.52	14.87	15.15			
20	SSBQAM	100	0	14.42	14.82	15.08			
Channel									
Frequency (MHz)				20562	21562	21562.5	18dBc int. (dBm)	MFR (dB)	
15	QPSK	1	0	19.07	19.72	19.61			
15	QPSK	1	37	19.20	19.64	19.91	21	0	
15	QPSK	1	74	19.15	19.57	19.83			
15	QPSK	50	0	18.33	18.75	18.86			
15	QPSK	50	24	19.19	19.70	19.90	21	0	
15	QPSK	50	50	19.25	19.72	19.84			
15	QPSK	100	0	19.28	19.73	19.87			
15	HQAM	1	0	19.25	19.68	19.79	21	0	
15	HQAM	1	48	19.32	19.68	19.85			
15	HQAM	1	96	19.29	19.67	19.88			
15	HQAM	50	0	18.52	19.85	19.22			
15	HQAM	50	24	18.45	19.80	19.10	20	1	
15	HQAM	50	50	18.40	19.79	19.07			
15	HQAM	100	0	18.43	19.81	19.09			
15	HQAM	1	0	18.40	19.80	19.19			
15	HQAM	1	48	18.53	19.74	19.14	20	1	
15	HQAM	1	96	18.33	19.88	19.18			
15	HQAM	50	0	17.89	19.80	19.25	19	2	
15	HQAM	50	24	17.75	19.92	19.22			
15	HQAM	50	50	17.87	19.85	19.23			
15	HQAM	100	0	17.83	19.80	19.13			
15	SSBQAM	1	0	14.53	14.78	15.11	16	5	
15	SSBQAM	1	48	14.38	14.73	15.06			
15	SSBQAM	1	96	14.34	14.73	15.02	16	5	
15	SSBQAM	50	0	14.50	14.81	15.05			
15	SSBQAM	50	24	14.39	14.74	15.02	16	5	
15	SSBQAM	50	50	14.46	14.80	15.13			
15	SSBQAM	100	0	14.42	14.80	15.13			
Channel									
Frequency (MHz)				20565	21565	21565.5	18dBc int. (dBm)	MFR (dB)	
15	QPSK	1	0	19.00	19.65	19.54			
15	QPSK	1	37	19.27	19.64	19.94	21	0	
15	QPSK	1	49	19.21	19.53	19.79			
15	QPSK	50	0	18.33	18.75	18.86			
15	QPSK	50	25	19.20	19.65	19.85	21	0	
15	QPSK	50	50	19.26	19.65	19.81			
15	QPSK	100	0	19.29	19.67	19.83			
15	HQAM	1	0	19.24	19.54	19.81	21	0	
15	HQAM	1	48	19.34	19.54	19.81			
15	HQAM	1	96	19.29	19.54	19.81			
15	HQAM	50	0	18.51	19.79	19.19			
15	HQAM	50	25	18.28	19.87	19.07	20	1	
15	HQAM	50	50	18.43	19.82	19.03			
15	HQAM	100	0	18.42	19.82	19.01			
15	HQAM	1	0	18.27	19.72	19.06			
15	HQAM	1	48	18.43	19.73	19.03	20	1	
15	HQAM	1	96	18.40	19.71	19.02			
15	HQAM	50	0	17.65	19.80	19.22	19	2	
15	HQAM	50	25	17.76	19.84	19.22			
15	HQAM	50	50	17.81	19.88	19.17			
15	HQAM	100	0	17.76	19.84	19.17			
15	SSBQAM	1	0	14.36	14.67	15.01	16	5	
15	SSBQAM	1	48	14.42	14.70	15.03			
15	SSBQAM	1	96	14.38	14.67	15.07	16	5	
15	SSBQAM	50	0	14.27	14.69	14.97	16	5	
15	SSBQAM	50	25	14.31	14.54	15.05			
15	SSBQAM	50	50	14.31	14.70	15.05			
Channel									
Frequency (MHz)				20577.5	21595	21595.5	18dBc int. (dBm)	MFR (dB)	
15	QPSK	1	0	19.16	19.76	19.65			
15	QPSK	1	37	19.30	19.73	19.91	21	0	
15	QPSK	1	74	19.18	19.54	19.88			
15	QPSK	50	0	18.33	18.75	18.86			
15	QPSK	50	25	19.28	19.69	19.79	21	0	
15	QPSK	12	13	19.21	19.70	19.80			
15	HQAM	1	0	19.16	19.73	19.81	21	0	
15	HQAM	1	37	19.23	19.73	19.81			
15	HQAM	1	74	19.18	19.54	19.81			
15	HQAM	12	0	18.40	19.77	19.09	20	1	
15	HQAM	12	7	18.26	19.88	19.05			
15	HQAM	12	13	18.28	19.87	19.03	20	1	
15	HQAM	12	19	18.30	19.87	19.03			
15	HQAM	25	0	18.30	19.77	19.07			
15	HQAM	1	0	18.29	19.77	19.13			
15	HQAM	1	37	18.43	19.78	19.08	20	1	
15	HQAM	1	74	18.37	19.67	19.02			
15	HQAM	12	0	17.54	17.94	18.14			
15	HQAM	12	7	17.58	17.94	18.13	16	5	
15	HQAM	12	13	17.57	18.00	18.17			
15	HQAM	25	0	17.51	17.98	18.18			
15	SSBQAM	1	0	14.32	14.71	15.02	16	5	
15	SSBQAM	1	37	14.32	14.67	15.02			
15	SSBQAM	12	7	14.26	14.68	14.94	16	5	
15	SSBQAM	12	13	14.50	14.81	15.11			

Band 12_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Timeuse (int)	MPR (dB)						
Channel														
Frequency (MHz)														
29005 29005 29110														
10	QPSK	1	0	22.79	22.79	22.87	23.8	0						
10	QPSK	1	25	22.73	22.80	22.87								
10	QPSK	1	49	22.73	22.80	22.78								
10	QPSK	25	0	22.25	22.32	22.37								
10	QPSK	25	12	22.25	22.17	22.15								
10	QPSK	25	25	22.33	22.35	22.29	23.3	0.5						
10	QPSK	50	0	22.27	22.30	22.23								
10	HQAM	1	0	21.61	21.63	21.64								
10	HQAM	1	25	21.46	21.42	21.38								
10	HQAM	1	49	21.79	21.81	21.86								
10	HQAM	25	0	21.67	21.64	21.68	23.3	0.5						
10	HQAM	25	12	21.72	21.62	21.70								
10	HQAM	25	25	21.79	21.80	21.74								
10	HQAM	50	0	21.77	21.84	21.79								
10	HQAM	50	0	21.59	21.58	21.58								
10	HQAM	1	25	21.50	21.52	21.50	22.8	1						
10	HQAM	1	49	21.35	21.33	21.47								
10	HQAM	25	0	20.70	20.64	20.65								
10	HQAM	25	12	20.74	20.59	20.70								
10	HQAM	25	25	20.74	20.70	20.68								
10	HQAM	50	0	20.71	20.66	20.72	21.8	2						
10	SSBQAM	1	0	17.67	17.78	17.71								
10	SSBQAM	1	25	17.62	17.65	17.67								
10	SSBQAM	1	49	17.65	17.68	17.68								
10	SSBQAM	25	0	17.68	17.74	17.59								
10	SSBQAM	25	12	17.68	17.74	17.69	18.8	5						
10	SSBQAM	25	25	17.62	17.74	17.64								
10	SSBQAM	50	0	17.71	17.72	17.69								
Channel														
Frequency (MHz)														
701.5 702.5 713.5														
5	QPSK	1	0	22.79	22.79	22.86	23.8	0						
5	QPSK	1	12	22.75	22.84	22.73								
5	QPSK	1	24	22.75	22.84	22.73								
5	QPSK	12	0	22.18	22.27	22.18								
5	QPSK	12	7	22.15	22.15	22.09								
5	QPSK	12	13	22.15	22.15	22.09	23.3	0.5						
5	QPSK	25	0	22.17	22.25	22.08								
5	HQAM	1	0	21.54	21.49	21.41								
5	HQAM	1	12	21.47	21.38	21.53								
5	HQAM	1	24	22.02	22.08	22.04								
5	HQAM	12	0	21.60	21.50	21.67	22.8	1						
5	HQAM	12	7	21.58	21.50	21.68								
5	HQAM	12	13	21.69	21.58	21.67								
5	HQAM	25	0	21.68	21.54	21.87								
5	HQAM	25	13	21.68	21.43	21.87								
5	HQAM	1	12	21.47	21.42	21.43	22.8	1						
5	HQAM	1	24	21.34	21.27	21.46								
5	HQAM	12	0	20.92	20.92	20.94								
5	HQAM	12	7	20.95	20.49	20.57								
5	HQAM	12	13	20.95	20.49	20.57								
5	HQAM	12	13	20.95	20.49	20.57	21.8	2						
5	SSBQAM	1	0	17.59	17.71	17.51								
5	SSBQAM	1	12	17.62	17.65	17.61								
5	SSBQAM	1	24	17.57	17.65	17.44								
5	SSBQAM	12	0	17.63	17.65	17.44								
5	SSBQAM	12	7	17.61	17.65	17.45	18.8	5						
5	SSBQAM	12	13	17.61	17.62	17.55								
5	SSBQAM	25	0	17.57	17.70	17.64								
Channel														
Frequency (MHz)														
700.5 702.5 713.5														
3	QPSK	1	0	22.85	22.87	22.98	23.8	0						
3	QPSK	1	8	22.72	22.86	22.83								
3	QPSK	1	14	22.75	22.75	22.75								
3	QPSK	8	0	22.32	22.32	22.13								
3	QPSK	8	4	22.21	22.11	22.11								
3	QPSK	1	14	21.52	21.54	21.53	23.3	0.5						
3	QPSK	15	0	22.13	22.16	22.15								
3	HQAM	1	0	22.48	22.43	22.39								
3	HQAM	1	8	22.48	22.28	22.46								
3	HQAM	1	14	22.59	22.48	22.41								
3	HQAM	8	0	21.54	21.53	21.61	22.8	1						
3	HQAM	8	4	21.68	21.55	21.62								
3	HQAM	8	7	21.68	21.47	21.70								
3	HQAM	15	0	21.68	21.63	21.67								
3	HQAM	15	0	21.43	21.52	21.55								
3	HQAM	1	8	21.45	21.41	21.37	22.8	1						
3	HQAM	1	14	21.25	21.19	21.33								
3	HQAM	8	0	20.59	20.55	20.57								
3	HQAM	8	4	20.70	20.50	20.59								
3	HQAM	15	0	20.65	20.62	20.57								
3	SSBQAM	1	0	17.63	17.69	17.64	18.8	5						
3	SSBQAM	1	8	17.66	17.68	17.46								
3	SSBQAM	1	14	17.54	17.60	17.48								
3	SSBQAM	8	0	17.67	17.69	17.52								
3	SSBQAM	8	4	17.61	17.62	17.45								
3	SSBQAM	8	7	17.52	17.73	17.53	18.8	5						
3	SSBQAM	15	0	17.68	17.67	17.58								
Channel														
Frequency (MHz)														
2901.7 2905.5 2917.3														
1.4	QPSK	1	0	22.85	22.71	22.54	23.8	0						
1.4	QPSK	1	3	22.72	22.75	22.82								
1.4	QPSK	1	5	22.72	22.74	22.70								
1.4	QPSK	3	0	22.71	22.85	22.55								
1.4	QPSK	3	1	22.74	22.74	22.78								
1.4	QPSK	3	3	22.75	22.73	22.68	23.3	0.5						
1.4	QPSK	6	0	22.34	22.17	22.22								
1.4	HQAM	1	0	22.50	22.41	22.44								
1.4	HQAM	1	3	22.47	22.38	22.56								
1.4	HQAM	1	5	22.69	22.81	22.49								
1.4	HQAM	3	0	22.49	22.40	22.42	23.3	0.5						
1.4	HQAM	3	3	22.38	22.39	22.56								
1.4	HQAM	3	3	22.71	22.82	22.43								
1.4	HQAM	6	0	21.66	21.59	21.72								
1.4	HQAM	6	0	21.40	21.46	21.46								
1.4	HQAM	1	3	21.49	21.39	21.46	22.8	1						
1.4	HQAM	1	5	21.34	21.29	21.33								
1.4	HQAM	3	0	21.41	21.48	21.43								
1.4	HQAM	3	1	21.49	21.48	21.47								
1.4	HQAM	3	3	21.27	21.21	21.41								
1.4	HQAM	6	0	20.87	20.83	20.58	21.8	2						

Band 17_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Time-use (int./sec)	MFR (dB)				
Channel												
				22750	23560	23900						
Frequency (MHz)				710								
10	QPSK	1	0	22.50	22.50	22.51	23.8	0				
10	QPSK	1	25	22.88	22.84	22.82						
10	QPSK	1	49	22.85	22.91	22.82						
10	QPSK	25	0	22.50	22.42	22.40						
10	QPSK	25	12	22.50	22.40	22.37						
10	QPSK	25	25	22.37	22.34	22.38	23.3	0.5				
10	QPSK	50	0	22.34	22.40	22.38						
10	QPSK	1	0	22.61	22.65	22.72						
10	QPSK	1	25	22.52	22.57	22.70						
10	QPSK	1	49	22.58	22.76	22.85						
10	QPSK	25	0	21.80	21.73	21.85	22.8	1				
10	QPSK	25	12	21.84	21.82	21.85						
10	QPSK	25	25	21.80	21.82	21.86						
10	QPSK	50	0	21.82	21.79	21.84						
10	QPSK	1	0	21.82	21.89	21.84						
10	QPSK	1	25	21.80	21.87	21.83	22.8	1				
10	QPSK	1	49	21.73	21.86	21.86						
10	QPSK	25	0	21.85	21.97	21.93						
10	QPSK	25	12	21.80	21.98	21.99						
10	QPSK	25	25	21.81	21.84	21.90						
10	QPSK	50	0	21.82	21.81	21.86	21.8	2				
10	QPSK	1	0	17.77	17.86	17.85						
10	QPSK	1	25	17.72	17.76	17.81						
10	QPSK	1	49	17.62	17.76	17.67						
10	QPSK	25	0	17.80	17.82	17.85						
10	QPSK	25	12	17.80	17.72	17.85	18.8	5				
10	QPSK	25	25	17.87	17.74	17.70						
10	QPSK	50	0	17.80	17.74	17.70						
Channel												
				22750	23560	23900						
Frequency (MHz)				710								
5	QPSK	1	0	22.77	22.71	22.77	23.8		0			
5	QPSK	1	12	22.89	22.83	22.77						
5	QPSK	1	24	22.71	22.87	22.81						
5	QPSK	12	0	22.28	22.36	22.38						
5	QPSK	12	7	22.31	22.37	22.39						
5	QPSK	12	13	22.30	22.32	22.34	23.3	0.5				
5	QPSK	25	0	22.24	22.27	22.32						
5	QPSK	1	0	22.58	22.62	22.70						
5	QPSK	1	12	22.30	22.46	22.57						
5	QPSK	1	24	22.51	22.63	22.58						
5	QPSK	12	0	21.72	21.58	21.76	22.8	1				
5	QPSK	12	7	21.70	21.74	21.80						
5	QPSK	12	13	21.77	21.83	21.73						
5	QPSK	25	0	21.70	21.73	21.78						
5	QPSK	1	0	21.49	21.53	21.59						
5	QPSK	1	12	21.52	21.46	21.45	22.8	1				
5	QPSK	1	24	21.86	21.82	21.89						
5	QPSK	12	0	21.77	21.62	21.35						
5	QPSK	12	7	21.54	21.59	21.70						
5	QPSK	12	13	21.54	21.59	21.70						
5	QPSK	25	0	21.54	21.59	21.70	21.8	2				
5	QPSK	12	13	21.54	21.59	21.70						
5	QPSK	1	0	17.64	17.71	17.70						
5	QPSK	1	12	17.60	17.67	17.70						
5	QPSK	1	24	17.59	17.67	17.65						
5	QPSK	12	0	17.68	17.79	17.77	18.8	5				
5	QPSK	12	7	17.44	17.61	17.54						
5	QPSK	12	13	17.68	17.62	17.68						
5	QPSK	25	0	17.61	17.69	17.68						
5	QPSK	25	0	17.61	17.69	17.68						

Band 17_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Time-use (int./sec)	MFR (dB)				
Channel				22750	23560	23900						
Frequency (MHz)				711								
10	QPSK	1	0	21.50	22.00	21.98	22.8	0				
10	QPSK	1	25	21.86	21.87	21.87						
10	QPSK	1	49	21.82	21.92	21.82						
10	QPSK	25	0	21.81	21.84	21.90						
10	QPSK	25	12	21.78	21.79	21.84						
10	QPSK	25	25	21.72	21.78	21.83	22.8	0				
10	QPSK	50	0	21.80	21.87	21.83						
10	QPSK	1	0	21.79	21.88	21.94						
10	QPSK	1	25	21.82	21.92	21.86						
10	QPSK	1	49	21.80	21.86	21.85						
10	QPSK	25	0	21.82	21.88	21.82	22.8	0				
10	QPSK	25	12	21.82	21.88	21.82						
10	QPSK	25	25	21.78	21.89	21.87						
10	QPSK	50	0	21.82	21.79	21.89						
10	QPSK	1	0	21.82	21.89	21.84						
10	QPSK	1	25	21.80	21.92	21.90	22.3	0.5				
10	QPSK	1	49	21.73	21.86	21.80						
10	QPSK	25	0	21.85	21.97	21.93						
10	QPSK	25	12	21.80	21.98	21.99						
10	QPSK	25	25	21.87	21.94	21.99						
10	QPSK	50	0	21.82	21.81	21.86	21.3	1.5				
10	QPSK	1	0	17.57	17.58	17.24						
10	QPSK	1	25	17.56	17.54	17.25						
10	QPSK	1	49	17.16	17.24	17.15						
10	QPSK	25	0	17.19	17.31	17.28						
10	QPSK	25	12	17.20	17.28	17.27	18.3	4.5				
10	QPSK	25	25	17.19	17.34	17.30						
10	QPSK	50	0	17.20	17.34	17.28						
Channel				22750	23560	23900						
Frequency (MHz)				711								
5	QPSK	1	0	21.87	21.96	21.87	22.8	0				
5	QPSK	1	12	21.84	21.91	21.73						
5	QPSK	1	24	21.80	21.91	21.60						
5	QPSK	1	36	21.78	21.91	21.67						
5	QPSK	12	7	21.66	21.65	21.69						
5	QPSK	12	7	21.68	21.78	21.68	22.8	0				
5	QPSK	25	0	21.86	21.86	21.86						
5	QPSK	1	0	21.87	21.82	21.85						
5	QPSK	1	12	21.78	21.80	21.75						
5	QPSK	1	24	21.81	21.81	21.81						
5	QPSK	12	0	21.30	21.27	21.23	22.3	0.5				
5	QPSK	12	7	21.24	21.28	21.23						
5	QPSK	12	14	21.23	21.24	21.23						
5	QPSK	25	0	21.23	21.24	21.21						
5	QPSK	1	0	20.81	20.96	20.97						
5	QPSK	1	12	20.98	21.02	20.93	22.3	0.5				
5	QPSK	1	24	20.92	21.01	20.93						
5	QPSK	12	0	20.92	21.03	20.95						
5	QPSK	12	7	20.94	20.91	20.93						
5	QPSK	12	14	20.93	20.91	20.93						
5	QPSK	25	0	20.14	20.21	20.35	21.5	1.5				
5	QPSK	25	12	20.17	20.28	20.35						
5	QPSK	25	25	20.17	20.28	20.35						
5	QPSK	50	0	20.17	20.28	20.35						
5	QPSK	1	0	17.52	17.52	17.52						
5	QPSK	1	24	17.06	17.11	17.12	18.3	4.5				
5	QPSK	1	48	17.06	17.11	17.12						
5	QPSK	12	0	17.02	17.07	17.07						
5	QPSK	12	7	17.07	17.07	17.07						
5	QPSK	12	14	17.17	17.22	17.24						
5	QPSK	10	0	17.17	17.25	17.25	17.5	1.5				
5	QPSK	10	12	17.17	17.25	17.25						
5	QPSK	10	24	17.17	17.25	17.25						
5	QPSK	10	36	17.17	17.25	17.25						
5	QPSK	10	48	17.17	17.25	17.25						

Band 66_Ant 5														
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use int (sec)	MPR (dB)						
Channel														
Frequency (MHz)				1720.2	1720.2	1720.2								
20	QPSK	1	0	20.15	20.24	20.18	21	0						
20	QPSK	1	48	20.07	20.20	20.03								
20	QPSK	1	96	20.03	20.13	19.92								
20	QPSK	50	0	20.15	20.20	20.15								
20	QPSK	50	24	20.12	20.09	20.10								
20	QPSK	50	50	20.08	20.09	20.11	21	0						
20	HQDM	1	0	20.13	20.18	20.13								
20	HQDM	1	48	20.13	20.18	20.11								
20	HQDM	1	96	20.00	20.15	20.08								
20	HQDM	50	0	20.10	20.21	20.05								
20	HQDM	50	24	20.10	20.21	20.07	21	0						
20	HQDM	50	50	20.11	20.11	20.06								
20	HQDM	100	0	20.05	20.15	20.17								
20	HQDM	100	0	20.09	20.22	20.15								
20	HQDM	1	48	20.03	20.23	20.05								
20	HQDM	1	96	20.15	20.12	20.03	21	0						
20	HQDM	50	0	20.11	20.22	20.17								
20	HQDM	50	24	20.10	20.14	20.05								
20	HQDM	50	50	20.07	20.21	20.11								
20	HQDM	100	0	20.00	20.15	20.14								
20	HQDM	100	0	19.97	19.10	19.07	21	0						
20	SSQDM	1	48	18.91	18.94	18.91								
20	SSQDM	1	96	18.91	18.94	18.91								
20	SSQDM	50	0	18.90	18.96	18.91								
20	SSQDM	50	24	18.95	18.96	18.92								
20	SSQDM	50	50	18.95	18.96	18.92	20	1						
20	SSQDM	100	0	18.91	18.94	18.97								
20	SSQDM	100	0	18.84	18.95	18.92								
20	SSQDM	100	0	18.84	18.95	18.92								
Channel														
Frequency (MHz)				1717.2	1745.5	1773.3								
15	QPSK	1	0	20.10	20.17	20.03	21		0					
15	QPSK	1	37	20.01	20.11	19.93								
15	QPSK	1	74	19.98	20.09	19.87								
15	QPSK	36	0	20.06	20.09	20.01								
15	QPSK	36	20	20.08	20.08	20.08								
15	QPSK	36	36	20.03	20.16	20.04	21	0						
15	QPSK	75	0	20.03	20.16	20.04								
15	HQDM	1	0	19.93	20.13	19.98								
15	HQDM	1	37	20.02	20.13	20.04								
15	HQDM	1	74	19.90	20.01	19.86								
15	HQDM	36	0	20.04	20.10	19.90	21	0						
15	HQDM	36	20	20.01	20.10	19.90								
15	HQDM	36	36	20.00	20.09	19.94								
15	HQDM	75	0	20.04	20.00	19.89								
15	HQDM	1	0	20.01	20.08	19.93								
15	HQDM	1	37	19.97	20.09	19.91	21	0						
15	HQDM	1	74	19.97	20.08	19.97								
15	HQDM	36	0	20.00	20.11	19.88								
15	HQDM	36	20	20.06	19.99	19.92								
15	HQDM	36	36	19.96	20.00	19.93								
15	SSQDM	1	0	19.92	19.15	19.86	21	0						
15	SSQDM	1	37	18.81	18.91	18.88								
15	SSQDM	1	74	18.82	18.91	18.86								
15	SSQDM	36	0	18.90	18.99	18.90								
15	SSQDM	36	20	18.90	18.97	18.86								
15	SSQDM	36	36	18.79	18.91	18.94	20	1						
15	SSQDM	75	0	18.78	18.85	18.80								
15	SSQDM	75	0	18.78	18.85	18.80								
15	SSQDM	75	0	18.78	18.85	18.80								
15	SSQDM	75	0	18.78	18.85	18.80								
Channel														
Frequency (MHz)				1715.2	1745.5	1773.3								
10	QPSK	1	0	20.10	20.12	20.14	21	0						
10	QPSK	1	25	19.96	20.10	19.92								
10	QPSK	1	48	19.91	20.11	19.92								
10	QPSK	25	0	20.02	20.07	20.07								
10	QPSK	25	12	20.03	19.97	20.05								
10	QPSK	25	25	19.91	20.18	20.06	21	0						
10	QPSK	50	0	20.04	20.08	20.04								
10	HQDM	1	0	19.95	20.15	19.98								
10	HQDM	1	25	20.04	20.07	20.02								
10	HQDM	1	48	19.86	20.10	20.04								
10	HQDM	25	0	20.06	20.07	20.04	21	0						
10	HQDM	25	12	20.05	20.20	19.94								
10	HQDM	25	25	20.10	20.04	20.04								
10	HQDM	50	0	19.97	20.09	19.96								
10	HQDM	50	0	20.04	20.16	20.03								
10	HQDM	1	0	19.92	20.15	19.96	21	0						
10	HQDM	1	48	20.01	20.07	19.97								
10	HQDM	25	0	20.05	20.07	19.16								
10	HQDM	25	12	20.02	19.99	19.94								
10	HQDM	25	25	19.97	20.10	20.06								
10	HQDM	50	0	19.96	20.10	20.04	21	0						
10	HQDM	50	0	19.94	19.99	19.93								
10	SSQDM	1	0	18.74	18.89	18.93								
10	SSQDM	1	48	18.75	18.85	18.79								
10	SSQDM	25	0	18.90	18.99	18.78								
10	SSQDM	25	12	18.87	18.92	18.86	20	1						
10	SSQDM	25	25	18.85	18.92	18.82								
10	SSQDM	50	0	18.73	18.88	18.94								
10	SSQDM	50	0	18.73	18.88	18.94								
10	SSQDM	50	0	18.73	18.88	18.94								
Channel														
Frequency (MHz)				1711.2	1745.5	1773.3								
5	QPSK	1	0	20.05	20.09	20.07	21	0						
5	QPSK	1	12	20.06	20.07	19.96								
5	QPSK	1	24	19.95	19.98	19.93								
5	QPSK	12	0	20.08	20.07	20.13								
5	QPSK	12	7	19.98	20.04	20.07								
5	QPSK	12	13	19.92	20.18	20.06	21	0						
5	QPSK	25	0	20.09	20.15	20.09								
5	HQDM	1	0	19.88	20.10	19.98								
5	HQDM	1	12	19.99	20.07	19.95								
5	HQDM	1	24	19.92	20.00	20.06								
5	HQDM	12	0	20.02	20.15	20.01	21	0						
5	HQDM	12	7	20.00	20.19	19.92								
5	HQDM	12	13	20.00	19.98	19.94								
5	HQDM	25	0	20.04	20.14	20.03								
5	HQDM	1	0	19.97	20.10	20.01								
5	HQDM	1	12	19.98	20.08	20.03	21	0						
5	HQDM	1	24	19.97	20.03	19.98								

Band 66_Ant 11											Band 66_Ant 7														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (Hz)	Power Mid Ch / Freq (Hz)	Power High Ch / Freq (Hz)	Turnup time (min)	MTR (dB)			BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (Hz)	Power Mid Ch / Freq (Hz)	Power High Ch / Freq (Hz)	Turnup time (min)	MTR (dB)						
Channel 170272 170272 170272											Channel 170272 170272 170272														
Frequency (MHz)											Frequency (MHz)														
20	QPSK	1	0	21.03	21.03	21.03	21.0	0			20	QPSK	1	0	18.93	18.93	18.93	20.3	0						
20	QPSK	1	40	21.07	21.14	21.06					20	QPSK	1	40	18.90	19.01	18.91								
20	QPSK	1	80	21.10	21.13	21.03					20	QPSK	1	80	18.86	18.90	18.89								
20	QPSK	50	0	21.05	21.17	21.12					20	QPSK	50	0	18.86	18.90	18.89								
20	QPSK	50	24	20.97	21.15	21.05					20	QPSK	50	24	18.98	19.01	18.96								
20	QPSK	50	50	21.01	21.17	21.05	21.0	0			20	QPSK	50	50	18.86	18.98	18.90	20.3	0						
20	QPSK	100	0	20.98	21.15	21.10					20	QPSK	100	0	18.86	18.90	18.89								
20	HQAM	1	0	21.06	21.08	21.00					20	HQAM	1	0	18.86	19.01	18.96								
20	HQAM	1	40	21.02	21.08	21.14					20	HQAM	1	40	18.99	18.90	18.94								
20	HQAM	50	0	21.10	21.13	21.13					20	HQAM	50	0	18.91	18.92	18.94								
20	HQAM	50	24	21.03	21.15	21.06	21.0	0			20	HQAM	50	24	18.98	19.01	18.96	20.3	0						
20	HQAM	50	50	21.03	21.13	21.03					20	HQAM	50	50	18.90	18.91	18.94								
20	HQAM	100	0	20.96	21.13	21.08					20	HQAM	100	0	18.96	18.91	18.94								
20	HQAM	1	0	21.05	21.16	21.03					20	HQAM	1	0	18.94	18.98	18.97								
20	HQAM	1	40	20.97	21.06	21.02					20	HQAM	1	40	18.90	18.91	18.91								
20	HQAM	1	80	21.01	21.17	21.05	21.0	0			20	HQAM	1	80	18.89	19.04	18.90	19.8	0.5						
20	HQAM	50	0	21.05	21.12	21.13					20	HQAM	50	0	18.86	18.78	18.78								
20	HQAM	50	24	21.06	21.15	21.02					20	HQAM	50	24	18.93	18.73	18.83								
20	HQAM	50	50	20.97	21.16	21.06					20	HQAM	50	50	18.77	18.71	18.68								
20	HQAM	100	0	21.07	21.07	21.04					20	HQAM	100	0	18.86	18.69	18.65								
20	HQAM	1	0	18.62	18.68	18.61	19.4	2.5			20	HQAM	1	0	18.59	18.48	18.47	19.8	0.5						
20	HQAM	1	80	18.65	18.64	18.58					20	HQAM	1	80	18.58	18.59	18.55								
20	HQAM	1	99	18.65	18.68	18.63					20	HQAM	1	99	18.53	18.48	18.50								
20	HQAM	50	0	18.57	18.65	18.68					20	HQAM	50	0	18.49	18.51	18.47								
20	HQAM	50	24	18.63	18.66	18.59					20	HQAM	50	24	18.52	18.55	18.53								
20	HQAM	50	50	18.56	18.63	18.61	19.4	2.5			20	HQAM	50	50	18.59	18.48	18.45	19.8	0.5						
20	HQAM	100	0	18.59	18.68	18.57					20	HQAM	100	0	18.59	18.48	18.45								
Channel 170272 170272 170272											Channel 170272 170272 170272														
Frequency (MHz)											Frequency (MHz)														
15	QPSK	1	0	21.08	21.06	21.02	21.0	0			15	QPSK	1	0	18.83	18.87	18.84	20.3	0						
15	QPSK	1	37	21.05	21.06	20.91					15	QPSK	1	37	18.81	18.91	18.80								
15	QPSK	1	74	21.00	21.08	21.02					15	QPSK	1	74	18.71	18.78	18.84								
15	QPSK	36	0	21.00	21.16	21.00					15	QPSK	36	0	18.83	18.88	18.89								
15	QPSK	36	20	20.99	21.03	21.00					15	QPSK	36	20	18.84	18.88	18.89								
15	QPSK	36	39	20.89	21.11	20.91	21.0	0			15	QPSK	36	39	18.84	18.83	18.80	20.3	0						
15	QPSK	75	0	20.93	21.00	20.97					15	QPSK	75	0	18.83	18.89	18.85								
15	HQAM	1	0	20.92	21.04	20.96					15	HQAM	1	0	18.71	18.94	18.91								
15	HQAM	1	37	21.00	20.98	21.04					15	HQAM	1	37	18.87	18.85	18.86								
15	HQAM	1	74	21.10	21.13	20.95					15	HQAM	1	74	18.93	18.86	18.89								
15	HQAM	36	0	21.02	21.12	21.02	21.0	0			15	HQAM	36	0	18.86	18.84	18.83	20.3	0						
15	HQAM	36	20	21.08	21.08	21.03					15	HQAM	36	20	18.79	18.82	18.84								
15	HQAM	36	39	20.90	21.03	20.90					15	HQAM	36	39	18.80	18.82	18.81								
15	HQAM	75	0	20.87	21.11	21.00					15	HQAM	75	0	18.87	18.86	18.87								
15	HQAM	1	0	20.93	21.10	20.97					15	HQAM	1	0	18.82	18.82	18.84								
15	HQAM	1	37	20.92	20.97	20.94	21.0	0			15	HQAM	1	37	18.87	18.86	18.86	20.3	0						
15	HQAM	1	74	20.95	21.02	20.94					15	HQAM	1	74	18.94	18.98	18.76								
15	HQAM	36	0	21.07	21.09	21.04					15	HQAM	36	0	18.78	18.83	18.85								
15	HQAM	36	20	21.02	21.00	20.88					15	HQAM	36	20	18.83	18.85	18.87								
15	HQAM	75	0	20.85	20.94	20.89					15	HQAM	75	0	18.80	18.87	18.48								
15	HQAM	1	0	18.59	18.59	18.57	19.4	2.5			15	HQAM	1	0	18.59	18.58	18.55	19.8	0.5						
15	HQAM	1	37	18.61	18.61	18.45					15	HQAM	1	37	18.55	18.48	18.45								
15	HQAM	1	74	18.43	18.67	18.57					15	HQAM	1	74	18.58	18.44	18.35								
15	HQAM	36	0	18.43	18.62	18.57					15	HQAM	36	0	18.42	18.58	18.45								
15	HQAM	36	20	18.58	18.52	18.49					15	HQAM	36	20	18.44	18.53	18.45								
15	HQAM	36	39	18.44	18.52	18.57	19.4	2.5			15	HQAM	36	39	18.26	18.38	18.42	19.8	3.5						
15	HQAM	75	0	18.47	18.85	18.48					15	HQAM	75	0	18.42	18.47	18.43								
Channel 170272 170272 170272											Channel 170272 170272 170272														
Frequency (MHz)											Frequency (MHz)														
5	QPSK	1	0	21.03	21.03	21.03	21.0	0			5	QPSK	1	0	18.93	18.93	18.93	20.3	0						
5	QPSK	1	12	20.97	21.06	20.98					5	QPSK	1	12	18.94	18.99	18.96								
5	QPSK	1	24	21.01	21.09	20.91					5	QPSK	1	24	18.77	18.79	18.79								
5	QPSK	12	0	20.93	21.09	21.07					5	QPSK	12	0	18.90	18.92	18.86								
5	QPSK	12	7	20.92	21.05	20.90					5	QPSK	12	7	18.93	18.93	18.89								
5	QPSK	12	13	20.90	21.08	20.94	21.0	0			5	QPSK	12	13	18.80	18.85	18.80	20.3	0						
5	QPSK	25	0	20.83	21.08	20.96					5	QPSK	25	0	18.94	18.86	18.89								
5	HQAM	1	0	21.02	20.93	20.87					5	HQAM	1	0	18.78	18.75	18.89								
5	HQAM	1	12	20.98	21.03	21.06					5	HQAM	1	12	18.98	18.77	18.83								
5	HQAM	1	24	21.09	21.17	21.07					5	HQAM	1	24	18.96	18.93	18.86								
5	HQAM	12	0	20.95	21.11	21.04	21.0	0			5	HQAM	12	0	18.78	18.79	18.83	20.3	0						
5	HQAM	12	7	20.95	21.09	21.03					5	HQAM	12	7	18.78	18.87	18.84								
5	HQAM	12	13	20.92	21.04	20.91					5	HQAM	12	13	18.89	18.90	18.91								
5	HQAM	25	0	20.86	21.11	20.96					5	HQAM	25	0	18.87	18.88	18.88								
5	HQAM	1	0	21.01	21.12	21.02					5	HQAM	1	0	18.83	18.93	18.82								
5	HQAM	1	12	20.89	21.00	20.89	21.0	0			5	HQAM	1	12	18.79	18.78	18.83	20.3	0						
5	HQAM	1	24	20.92	21.15	21.01					5	HQAM	1	24	18.74	18.92	18.77								
5	HQAM	12	0	21.00	21.09	21.03					5	HQAM	12	0	18.76	18.72	18.71								
5	HQAM	12	7	21.03	21.09	21.01					5	HQAM	12	7	18.82	18.82	18.82								
5	HQAM	12	13	20.97	21.09	20.91					5	HQAM	12	13	18.65	18.84	18.45								
5	HQAM	25	0	20.92	20.93	20.95	19.4	0.5			5	HQAM	25	0	18.80	18.84	18.42	19.8	0.5						
5	HQAM	1	0	18.58	18.55	18.53					5	HQAM	1	0	18.58	18.58	18.58								
5	HQAM	1	12	18.63	18.54	18.48					5	HQAM	1	12	18.55	18.53	18.50								
5	HQAM	1	24	18.57	18.58	18.50					5	HQAM	1	24	18.42	18.45	18.35								
5	HQAM	12	0	18.63	18.59	18.52					5	HQAM	12	0	18.47	18.56	18.40								
5	HQAM	12	7	18.53	18.63	18.53	19.4	2.5			5	HQAM	12	7	18.41	18.52	18.44	19.8	3.5						
5	HQAM	12	13	18.49	18.58	18.50					5	HQAM	12	13	18.46	18.38	18.40								
5	HQAM	25	0	18.54	18.68	18.54					5	HQAM	25	0	18.44	18.44	18.44								
Channel 170272 170272 170272											Channel 170272 170272 170272														
Frequency (MHz)											Frequency (MHz)														
3	QPSK	1	0	20.99	21.01	21.08	21.0	0			3	QPSK	1	0	18.87	19.02	19.00	20.3	0						

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										
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.82	20.90	20.85	21.5	0		
20	QPSK	1	49	20.67	20.78	20.71				
20	QPSK	1	99	20.75	20.86	20.77				
20	QPSK	50	0	20.79	20.85	20.75				
20	QPSK	50	24	20.71	20.83	20.76				
20	QPSK	50	50	20.67	20.80	20.70	21.5	0		
20	QPSK	100	0	20.70	20.79	20.73				
20	16QAM	1	0	20.80	20.88	20.81				
20	16QAM	1	49	20.71	20.82	20.77				
20	16QAM	1	99	20.80	20.85	20.74				
20	16QAM	50	0	20.68	20.76	20.70	21.5	0		
20	16QAM	50	24	20.69	20.77	20.70				
20	16QAM	50	50	20.70	20.82	20.84				
20	16QAM	100	0	20.76	20.78	20.76				
20	16QAM	1	0	20.68	20.84	20.73				
20	16QAM	1	49	20.68	20.79	20.83	21.5	0		
20	16QAM	1	99	20.76	20.81	20.77				
20	16QAM	50	0	20.68	20.86	20.83				
20	16QAM	50	24	20.80	20.88	20.70				
20	16QAM	50	50	20.80	20.82	20.82				
20	16QAM	100	0	20.79	20.82	20.81	21.5	0		
20	256QAM	1	0	18.91	19.02	18.95				
20	256QAM	1	49	18.86	18.91	18.90				
20	256QAM	1	99	18.00	18.01	18.91				
20	256QAM	50	0	18.93	18.97	18.84				
20	256QAM	50	24	18.73	18.89	18.81	20	1.5		
20	256QAM	50	50	18.96	18.99	18.88				
20	256QAM	100	0	18.90	18.96	18.94				
Channel										
Frequency (MHz)				25725	25900	26175 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.70	20.80	20.71	21.5	0		
15	QPSK	1	37	20.52	20.76	20.63				
15	QPSK	1	74	20.61	20.80	20.70				
15	QPSK	36	0	20.72	20.78	20.73				
15	QPSK	36	20	20.61	20.68	20.66				
15	QPSK	36	39	20.53	20.77	20.69	21.5	0		
15	QPSK	36	58	20.58	20.73	20.68				
15	16QAM	1	0	20.76	20.76	20.71				
15	16QAM	1	37	20.68	20.75	20.63				
15	16QAM	1	74	20.72	20.73	20.64				
15	16QAM	36	0	20.64	20.76	20.63	21.5	0		
15	16QAM	36	20	20.64	20.64	20.61				
15	16QAM	36	39	20.63	20.69	20.79				
15	16QAM	75	0	20.64	20.63	20.73				
15	16QAM	1	0	20.53	20.82	20.58				
15	16QAM	1	37	20.61	20.65	20.81	21.5	0		
15	16QAM	1	74	20.63	20.71	20.67				
15	16QAM	36	0	20.60	20.71	20.76				
15	16QAM	36	20	20.74	20.77	20.63				
15	16QAM	36	39	20.73	20.73	20.69				
15	16QAM	75	0	20.58	20.68	20.76	20	1.5		
15	256QAM	1	0	18.85	18.91	18.86				
15	256QAM	1	37	18.74	18.86	18.81				
15	256QAM	1	74	18.93	18.92	18.76				
15	256QAM	36	0	18.91	18.93	18.69				
15	256QAM	36	20	18.68	18.86	18.72	20	1.5		
15	256QAM	36	39	18.82	18.84	18.87				
15	256QAM	75	0	18.89	18.89	18.88				
Channel										
Frequency (MHz)				25700	25950	26200 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.79	20.88	20.80	21.5	0		
10	QPSK	1	25	20.54	20.74	20.70				
10	QPSK	1	49	20.66	20.76	20.62				
10	QPSK	25	0	20.66	20.82	20.65				
10	QPSK	25	13	20.66	20.76	20.59				
10	QPSK	25	25	20.58	20.70	20.60	21.5	0		
10	QPSK	50	0	20.67	20.78	20.62				
10	16QAM	1	0	20.71	20.78	20.76				
10	16QAM	1	25	20.56	20.69	20.64				
10	16QAM	1	49	20.67	20.70	20.65				
10	16QAM	25	0	20.61	20.72	20.55	21.5	0		
10	16QAM	25	12	20.66	20.70	20.58				
10	16QAM	25	25	20.56	20.69	20.82				
10	16QAM	50	0	20.61	20.73	20.73				
10	16QAM	1	0	20.53	20.69	20.58				
10	16QAM	1	25	20.61	20.73	20.82	21.5	0		
10	16QAM	1	49	20.70	20.72	20.76				
10	16QAM	25	0	20.57	20.82	20.80				
10	16QAM	25	12	20.75	20.83	20.59				
10	16QAM	25	25	20.68	20.81	20.70				
10	16QAM	50	0	20.76	20.81	20.74	20	1.5		
10	256QAM	1	0	18.85	19.01	18.84				
10	256QAM	1	25	18.74	18.81	18.80				
10	256QAM	1	49	18.96	18.90	18.85				
10	256QAM	25	0	18.91	18.94	18.77				
10	256QAM	25	12	18.68	18.79	18.79	20	1.5		
10	256QAM	25	25	18.67	18.91	18.75				
10	256QAM	50	0	18.75	18.81	18.82				
Channel										
Frequency (MHz)				25775	26000	26225 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.75	20.83	20.79	21.5	0		
5	QPSK	1	12	20.55	20.69	20.67				
5	QPSK	1	24	20.72	20.76	20.64				
5	QPSK	12	0	20.69	20.79	20.72				
5	QPSK	12	7	20.65	20.69	20.58				
5	QPSK	12	13	20.58	20.65	20.57	21.5	0		
5	QPSK	25	0	20.56	20.71	20.67				
5	16QAM	1	0	20.69	20.77	20.73				
5	16QAM	1	12	20.65	20.73	20.62				
5	16QAM	1	24	20.78	20.76	20.73				
5	16QAM	12	0	20.53	20.67	20.59	21.5	0		
5	16QAM	12	7	20.61	20.76	20.69				
5	16QAM	12	13	20.56	20.70	20.72				
5	16QAM	25	0	20.61	20.63	20.73				
5	16QAM	1	0	20.67	20.70	20.71				
5	16QAM	1	12	20.67	20.77	20.68	21.5	0		
5	16QAM	1	24	20.70	20.76	20.63				
5	16QAM	12	0	20.60	20.77	20.75				
5	16QAM	12	7	20.69	20.74	20.56				
5	16QAM	12	13	20.75	20.78	20.72				
5	16QAM	25	0	20.77	20.81	20.68	20	1.5		
5	256QAM	1	0	18.79	18.98	18.92				
5	256QAM	1	12	18.75	18.81	18.75				
5	256QAM	1	24	18.93	19.00	18.76				
5	256QAM	12	0	18.85	18.88	18.77				
5	256QAM	12	7	18.79	18.87	18.79	20	1.5		
5	256QAM	12	13	18.81	18.92	18.73				
5	256QAM	25	0	18.87	18.93	18.89				

Band 38_Ant 6									
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									
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.92	19.90	19.88	20.4	0	
20	QPSK	1	49	19.76	19.75	19.87			
20	QPSK	1	99	19.79	19.79	19.78			
20	QPSK	50	0	19.75	19.89	19.86			
20	QPSK	50	24	19.68	19.87	19.77	20.4	0	
20	QPSK	50	50	19.74	19.85	19.80			
20	QPSK	100	0	19.73	19.84	19.83			
20	16QAM	1	0	19.79	19.84	19.76			
20	16QAM	1	49	19.80	19.81	19.84	20.4	0	
20	16QAM	1	99	19.80	19.76	19.84			
20	16QAM	50	0	19.80	19.79	19.81			
20	16QAM	50	24	19.67	19.89	19.73			
20	16QAM	50	50	19.76	19.81	19.75	20.4	0	
20	16QAM	100	0	19.79	19.75	19.86			
20	16QAM	100	50	19.75	19.76	19.86			
20	64QAM	1	49	19.80	19.80	19.85			
20	64QAM	1	99	19.68	19.84	19.83	20.4	0	
20	64QAM	50	0	19.79	19.75	19.86			
20	64QAM	50	24	19.75	19.84	19.86			
20	64QAM	50	50	19.68	19.79	19.77			
20	64QAM	100	0	19.70	19.76	19.87	20.4	0	
20	256QAM	1	0	18.35	18.50	18.37			
20	256QAM	1	49	18.47	18.49	18.48			
20	256QAM	1	99	18.45	18.47	18.44			
20	256QAM	50	0	18.38	18.42	18.37	19.4	1	
20	256QAM	50	24	18.30	18.41	18.31			
20	256QAM	50	50	18.44	18.47	18.35			
20	256QAM	100	0	18.34	18.43	18.42			
Channel									
Frequency (MHz)				37625	38000	38195			
15	QPSK	1	0	19.75	19.96	19.73	20.4	0	
15	QPSK	1	37	19.74	19.71	19.79			
15	QPSK	1	74	19.66	19.72	19.74			
15	QPSK	36	0	19.67	19.81	19.70			
15	QPSK	36	20	19.65	19.74	19.73	20.4	0	
15	QPSK	36	39	19.69	19.76	19.68			
15	QPSK	75	0	19.61	19.82	19.73			
15	16QAM	1	0	19.64	19.71	19.73			
15	16QAM	1	37	19.71	19.68	19.77	20.4	0	
15	16QAM	1	74	19.72	19.70	19.71			
15	16QAM	36	20	19.70	19.76	19.71			
15	16QAM	36	39	19.58	19.85	19.68			
15	16QAM	75	0	19.77	19.85	19.72	20.4	0	
15	64QAM	1	0	19.68	19.69	19.77			
15	64QAM	1	37	19.79	19.84	19.59			
15	64QAM	1	74	19.56	19.75	19.71			
15	64QAM	36	0	19.66	19.72	19.84	20.4	0	
15	64QAM	36	20	19.69	19.69	19.68			
15	64QAM	36	39	19.68	19.70	19.71			
15	64QAM	75	0	19.62	19.84	19.69			
15	256QAM	1	0	18.24	18.49	18.32	19.4		
15	256QAM	1	37	18.33	18.43	18.37			
15	256QAM	1	74	18.41	18.41	18.35			
15	256QAM	36	0	18.29	18.38	18.18			
15	256QAM	36	20	18.29	18.31	18.23	19.4	1	
15	256QAM	36	39	18.34	18.46	18.33			
15	256QAM	75	0	18.27	18.39	18.34			
Channel									
Frequency (MHz)				37675	38005	38215			
10	QPSK	1	0	19.70	19.76	19.82	20.4	0	
10	QPSK	1	25	19.66	19.65	19.80			
10	QPSK	1	49	19.64	19.68	19.63			
10	QPSK	25	0	19.71	19.86	19.70			
10	QPSK	25	12	19.57	19.82	19.63	20.4	0	
10	QPSK	25	25	19.71	19.78	19.69			
10	QPSK	50	0	19.59	19.80	19.73			
10	16QAM	1	0	19.65	19.83	19.66			
10	16QAM	1	25	19.73	19.74	19.76	20.4	0	
10	16QAM	1	49	19.72	19.65	19.72			
10	16QAM	25	0	19.72	19.73	19.79			
10	16QAM	25	12	19.61	19.86	19.62			
10	16QAM	25	25	19.75	19.71	19.71	20.4	0	
10	16QAM	50	0	19.76	19.72	19.77			
10	64QAM	1	25	19.75	19.70	19.63			
10	64QAM	1	49	19.62	19.80	19.82			
10	64QAM	25	0	19.76	19.85	19.65	20.4	0	
10	64QAM	25	12	19.63	19.75	19.78			
10	64QAM	25	25	19.65	19.71	19.84			
10	64QAM	50	0	19.63	19.62	19.66			
10	256QAM	1	0	18.20	18.48	18.26	19.4	1	
10	256QAM	1	25	18.42	18.36	18.38			
10	256QAM	1	49	18.34	18.44	18.43			
10	256QAM	25	0	18.30	18.39	18.27			
10	256QAM	25	12	18.28	18.33	18.20	19.4	1	
10	256QAM	25	25	18.42	18.33	18.22			
10	256QAM	50	0	18.24	18.33	18.35			
Channel									
Frequency (MHz)				37775	38000	38225			
5	QPSK	1	0	19.75	19.79	19.87	20.4	0	
5	QPSK	1	12	19.74	19.62	19.74			
5	QPSK	1	24	19.70	19.71	19.72			
5	QPSK	12	0	19.71	19.74	19.74			
5	QPSK	12	13	19.69	19.78	19.79	20.4	0	
5	QPSK	25	0	19.58	19.79	19.78			
5	16QAM	1	0	19.67	19.83	19.66			
5	16QAM	1	12	19.72	19.82	19.70			
5	16QAM	12	0	19.78	19.75	19.68	20.4	0	
5	16QAM	12	7	19.66	19.80	19.67			
5	16QAM	12	13	19.63	19.72	19.72			
5	16QAM	25	0	19.76	19.65	19.72			
5	64QAM	1	12	19.71	19.74	19.62	20.4	0	
5	64QAM	1	24	19.63	19.79	19.71			
5	64QAM	12	0	19.68	19.78	19.85			
5	64QAM	12	7	19.74	19.81	19.79			
5	64QAM	12	13	19.67	19.88	19.71	19.4	1	
5	64QAM	25	0	19.55	19.65	19.73			
5	256QAM	1	0	18.29	18.37	18.35			
5	256QAM	1	12	18.43	18.41	18.42			
5	256QAM	1	24	18.43	18.39	18.39	19.4	1	
5	256QAM	12	0	18.32	18.39	18.19			
5	256QAM	12	7	18.25	18.26	18.16			
5	256QAM	12	13	18.33	18.28	18.18			
5	256QAM	25	0	18.28	18.35	18.32	19.4	1	
5	256QAM	25	7	18.28	18.33	18.32			
5	256QAM	25	13	18.28	18.33	18.32			
5	256QAM	25	20	18.28	18.33	18.32			

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	21	0		
20	QPSK	1	49	20.32	20.26	20.31				
20	QPSK	1	99	20.39	20.44	20.42				
20	QPSK	50	0	19.85	19.90	19.97				
20	QPSK	50	24	19.91	19.81	19.93	20.5	0.5		
20	QPSK	50	50	19.88	19.85	19.95				
20	QPSK	100	0	19.93	19.96	19.95				
20	16QAM	1	0	19.92	19.87	19.77				
20	16QAM	1	49	20.01	19.99	20.03	20.0	0.5		
20	16QAM	1	99	20.02	20.03	20.00				
20	16QAM	50	0	19.39	19.28	19.48				
20	16QAM	50	24	19.47	19.29	19.49				
20	16QAM	50	50	19.42	19.32	19.66	20	1		
20	16QAM	100	0	19.40	19.35	19.50				
20	64QAM	1	0	18.64	18.53	18.59				
20	64QAM	1	49	18.66	18.71	18.78				
20	64QAM	1	99	18.70	18.65	18.73	20	1		
20	64QAM	50	0	18.42	18.39	18.46				
20	64QAM	50	24	18.48	18.41	18.57				
20	64QAM	50	50	18.49	18.44	18.61				
20	64QAM	100	0	18.48	18.42	18.55	19	2		
20	256QAM	1	0	15.48	15.53	15.39				
20	256QAM	1	49	15.46	15.44	15.42				
20	256QAM	1	99	15.43	15.49	15.52				
20	256QAM	50	0	15.46	15.48	15.43	16	5		
20	256QAM	50	24	15.44	15.45	15.41				
20	256QAM	50	50	15.44	15.42	15.44				
20	256QAM	100	0	15.42	15.46	15.47				
Channel										
Frequency (MHz)				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.28	20.19	20.26	21	0		
15	QPSK	1	37	20.26	20.39	20.44				
15	QPSK	1	74	20.25	20.38	20.28				
15	QPSK	36	0	19.82	19.91	19.90				
15	QPSK	36	20	19.78	19.77	19.91	20.5	0.5		
15	QPSK	36	39	19.77	19.71	19.88				
15	QPSK	36	50	19.89	19.86	19.93				
15	16QAM	1	0	19.88	19.86	19.64				
15	16QAM	1	37	19.92	19.74	19.99	20.5	0.5		
15	16QAM	1	74	19.93	19.94	19.94				
15	16QAM	36	0	18.42	18.39	18.53				
15	16QAM	36	20	18.35	18.22	18.47				
15	16QAM	75	0	19.33	19.27	19.49	20	1		
15	64QAM	1	0	18.55	18.47	18.56				
15	64QAM	1	37	18.56	18.57	18.75				
15	64QAM	1	74	18.59	18.63	18.67				
15	64QAM	36	0	18.35	18.24	18.34	19	2		
15	64QAM	36	20	18.41	18.28	18.45				
15	64QAM	36	39	18.34	18.39	18.56				
15	64QAM	75	0	18.33	18.40	18.47				
15	256QAM	1	0	15.43	15.43	15.31	16	5		
15	256QAM	1	37	15.34	15.36	15.38				
15	256QAM	1	74	15.28	15.38	15.39				
15	256QAM	36	0	15.35	15.37	15.41				
15	256QAM	36	20	15.32	15.39	15.39	16	5		
15	256QAM	36	39	15.35	15.37	15.41				
15	256QAM	75	0	15.32	15.45	15.44				
Channel										
Frequency (MHz)				37860	38000	38020	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.17	20.16	20.19	21	0		
10	QPSK	1	25	20.31	20.33	20.36				
10	QPSK	1	49	20.32	20.38	20.38				
10	QPSK	25	0	19.87	19.87	19.84				
10	QPSK	25	0	19.87	19.87	19.84	20.5	0.5		
10	QPSK	25	25	19.80	19.70	19.85				
10	QPSK	50	0	19.80	19.89	19.86				
10	16QAM	1	0	19.80	19.83	19.67				
10	16QAM	1	25	19.86	19.76	19.88	20.5	0.5		
10	16QAM	1	49	19.89	19.88	19.93				
10	16QAM	25	0	19.32	19.14	19.40				
10	16QAM	25	12	19.34	19.22	19.46				
10	16QAM	25	25	19.34	19.25	19.41	20	1		
10	16QAM	50	0	18.76	18.66	18.86				
10	64QAM	1	25	18.61	18.69	18.70				
10	64QAM	1	49	18.62	18.59	18.58				
10	64QAM	25	0	18.27	18.34	18.41	19	2		
10	64QAM	25	12	18.42	18.31	18.46				
10	64QAM	25	25	18.35	18.29	18.46				
10	64QAM	50	0	18.36	18.28	18.51				
10	256QAM	1	0	15.33	15.50	15.33	16	5		
10	256QAM	1	25	15.39	15.31	15.33				
10	256QAM	1	49	15.31	15.37	15.48				
10	256QAM	25	0	15.42	15.34	15.30				
10	256QAM	25	12	15.34	15.31	15.31	16	5		
10	256QAM	25	25	15.40	15.35	15.33				
10	256QAM	50	0	15.38	15.35	15.33				
Channel										
Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.17	20.23	20.30	21	0		
5	QPSK	1	12	20.40	20.38	20.42				
5	QPSK	1	24	20.37	20.39	20.37				
5	QPSK	12	0	19.89	19.87	19.88				
5	QPSK	12	7	19.82	19.76	19.84	20.5	0.5		
5	QPSK	12	13	19.78	19.81	19.89				
5	QPSK	25	0	19.88	19.81	19.90				
5	16QAM	1	0	19.90	19.78	19.62				
5	16QAM	1	12	19.96	19.76	19.98	20.5	0.5		
5	16QAM	1	24	19.88	19.93	19.95				
5	16QAM	12	0	19.37	19.24	19.34				
5	16QAM	12	7	19.41	19.20	19.45				
5	16QAM	12	13	19.34	19.20	19.55	20	1		
5	16QAM	25	0	19.34	19.33	19.36				
5	16QAM	25	0	18.62	18.40	18.49				
5	64QAM	1	12	18.52	18.56	18.75				
5	64QAM	1	24	18.60	18.59	18.60	19	2		
5	64QAM	12	0	18.39	18.35	18.37				
5	64QAM	12	7	18.37	18.33	18.51				
5	64QAM	12	13	18.42	18.39	18.49				
5	64QAM	25	0	18.34	18.37	18.53	16	5		
5	256QAM	1	0	15.47	15.48	15.35	16	5		
5	256QAM	1	12	15.36	15.44	15.37				
5	256QAM	1	24	15.35	15.35	15.41				
5	256QAM	12	0	15.35	15.34	15.29				
5	256QAM	12	7	15.40	15.31	15.31	16	5		
5	256QAM	12	13	15.33	15.33	15.33				
5	256QAM	25	0	15.32	15.41	15.32				
5	256QAM	25	0	15.32	15.41	15.32				

Band 41_Ant 6														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid / Freq	Power Middle Ch / Freq	Power High Mid / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				39750	40185	40620	41055	41490						
20	QPSK	1	0	2506	2549.5	2593	2636.5	2680	21.3	0				
20	QPSK	1	49	20.40	20.42	20.47	20.43	20.47						
20	QPSK	1	99	20.42	20.39	20.45	20.39	20.40						
20	QPSK	50	0	20.50	20.45	20.53	20.48	20.47						
20	QPSK	50	24	20.46	20.42	20.52	20.39	20.36						
20	QPSK	50	50	20.44	20.38	20.45	20.37	20.42	21.3	0				
20	QPSK	100	0	20.47	20.41	20.50	20.49	20.45						
20	16QAM	1	0	20.49	20.46	20.50	20.51	20.38						
20	16QAM	1	49	20.43	20.34	20.54	20.47	20.40						
20	16QAM	1	99	20.46	20.47	20.51	20.38	20.49						
20	16QAM	50	0	20.46	20.34	20.45	20.41	20.36	21.3	0				
20	16QAM	50	24	20.38	20.36	20.47	20.50	20.39						
20	16QAM	50	50	20.30	20.41	20.46	20.40	20.45						
20	16QAM	100	0	20.45	20.42	20.49	20.41	20.40						
20	64QAM	1	0	19.77	19.86	19.95	20.10	20.02						
20	64QAM	1	49	19.86	20.04	20.03	20.10	20.00	20.3	1				
20	64QAM	1	99	19.86	20.07	20.04	20.00	20.02						
20	64QAM	50	0	19.56	19.67	19.68	19.80	19.76						
20	64QAM	50	24	19.84	19.73	19.73	19.85	19.78						
20	64QAM	50	50	19.67	19.78	19.78	19.82	19.77						
20	256QAM	1	0	19.57	19.73	19.73	19.80	19.71	20.3	1				
20	256QAM	1	49	16.37	16.40	16.48	16.37	16.45						
20	256QAM	1	99	16.32	16.38	16.43	16.30	16.38						
20	256QAM	50	0	16.40	16.37	16.48	16.35	16.45						
20	256QAM	50	24	16.35	16.37	16.46	16.37	16.35						
20	256QAM	50	50	16.45	16.39	16.50	16.45	16.48	17.3	4				
20	256QAM	100	0	16.50	16.48	16.51	16.48	16.48						
Channel														
Frequency (MHz)				39675	40146	40620	41068	41515			Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.44	20.45	20.48	20.50	20.42			21.3	0		
15	QPSK	1	37	20.25	20.37	20.37	20.40	20.40						
15	QPSK	1	74	20.35	20.35	20.31	20.26	20.31						
15	QPSK	36	0	20.38	20.31	20.45	20.46	20.35						
15	QPSK	36	20	20.40	20.33	20.48	20.34	20.22						
15	QPSK	36	39	20.29	20.34	20.36	20.24	20.35	21.3	0				
15	QPSK	36	50	20.40	20.40	20.38	20.34	20.41						
15	16QAM	1	0	20.42	20.32	20.44	20.45	20.23						
15	16QAM	1	37	20.41	20.27	20.45	20.40	20.29						
15	16QAM	1	74	20.38	20.46	20.48	20.35	20.39						
15	16QAM	36	0	20.31	20.29	20.37	20.30	20.29	21.3	0				
15	16QAM	36	20	20.30	20.28	20.37	20.44	20.29						
15	16QAM	36	39	20.43	20.26	20.39	20.31	20.36						
15	16QAM	75	0	20.39	20.37	20.47	20.28	20.38						
15	64QAM	1	0	19.73	19.90	19.86	20.05	19.97						
15	64QAM	1	74	19.73	19.84	19.86	19.97	19.88	20.3	1				
15	64QAM	1	99	19.73	19.83	19.83	19.96	19.96						
15	64QAM	36	0	19.46	19.52	19.53	19.77	19.61						
15	64QAM	36	20	19.50	19.59	19.71	19.74	19.73						
15	64QAM	36	39	19.59	19.77	19.68	19.68	19.73						
15	64QAM	75	0	19.51	19.61	19.60	19.68	19.68	17.3	4				
15	256QAM	1	0	16.27	16.39	16.46	16.26	16.43						
15	256QAM	1	37	16.18	16.28	16.31	16.25	16.28						
15	256QAM	1	74	16.26	16.26	16.42	16.27	16.34						
15	256QAM	36	0	16.36	16.38	16.37	16.41	16.38						
15	256QAM	36	20	16.28	16.24	16.44	16.30	16.24	17.3	4				
15	256QAM	36	39	16.34	16.34	16.35	16.38	16.34						
15	256QAM	75	0	16.36	16.43	16.43	16.43	16.33						
Channel														
Frequency (MHz)				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	20.48	20.33	20.54	20.47	20.46	21.3	0				
10	QPSK	1	25	20.35	20.31	20.33	20.42	20.45						
10	QPSK	1	49	20.30	20.32	20.43	20.28	20.37						
10	QPSK	25	0	20.38	20.42	20.49	20.45	20.41						
10	QPSK	25	12	20.32	20.40	20.39	20.34	20.33						
10	QPSK	25	25	20.35	20.35	20.37	20.27	20.30	21.3	0				
10	QPSK	50	0	20.33	20.38	20.36	20.39	20.42						
10	16QAM	1	0	20.41	20.45	20.45	20.49	20.36						
10	16QAM	1	25	20.36	20.22	20.45	20.46	20.25						
10	16QAM	1	49	20.32	20.40	20.43	20.32	20.34						
10	16QAM	25	0	20.33	20.20	20.40	20.27	20.26	21.3	0				
10	16QAM	25	12	20.32	20.24	20.45	20.36	20.38						
10	16QAM	25	25	20.46	20.34	20.39	20.32	20.44						
10	16QAM	50	0	20.37	20.32	20.43	20.38	20.30						
10	64QAM	1	0	19.74	19.81	19.85	20.08	19.98						
10	64QAM	1	25	19.79	19.80	19.91	20.00	19.86	20.3	1				
10	64QAM	1	49	19.84	19.84	19.98	19.88	19.89						
10	64QAM	25	0	19.47	19.59	19.55	19.79	19.67						
10	64QAM	25	12	19.52	19.69	19.66	19.84	19.72						
10	64QAM	25	25	19.66	19.76	19.65	19.74	19.65						
10	64QAM	50	0	19.42	19.61	19.67	19.69	19.68	17.3	4				
10	256QAM	1	0	16.34	16.38	16.37	16.27	16.41						
10	256QAM	1	25	16.19	16.29	16.32	16.26	16.26						
10	256QAM	1	49	16.39	16.32	16.35	16.31	16.44						
10	256QAM	25	0	16.36	16.37	16.42	16.39	16.36						
10	256QAM	25	12	16.27	16.29	16.33	16.31	16.33	17.3	4				
10	256QAM	25	25	16.31	16.36	16.47	16.35	16.47						
10	256QAM	50	0	16.40	16.43	16.50	16.46	16.45						
Channel														
Frequency (MHz)				39675	40146	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	20.41	20.43	20.42	20.51	20.43	21.3	0				
5	QPSK	1	12	20.27	20.40	20.36	20.28	20.34						
5	QPSK	1	24	20.28	20.28	20.30	20.33	20.30						
5	QPSK	12	0	20.37	20.41	20.43	20.47	20.38	21.3	0				
5	QPSK	12	7	20.31	20.37	20.44	20.26	20.27						
5	QPSK	12	13	20.43	20.23	20.36	20.32	20.27						
5	QPSK	25	0	20.44	20.35	20.45	20.35	20.35						
5	16QAM	1	0	20.41	20.40	20.45	20.37	20.27						
5	16QAM	1	12	20.39	20.22	20.50	20.27	20.39	21.3	0				
5	16QAM	1	24	20.36	20.43	20.40	20.33	20.34						
5	16QAM	12	0	20.40	20.30	20.35	20.30	20.33						
5	16QAM	12	7	20.37	20.24	20.45	20.34	20.39						
5	16QAM	12	13	20.40	20.28	20.42	20.35	20.44						
5	16QAM	25	0	20.33	20.41	20.44	20.28	20.34	21.3	0				
5	64QAM	1	0	19.74	19.83	19.86	19.96	19.93						
5	64QAM	1	12	19.80	19.86	19.85	20.02	19.98						
5	64QAM	1	24	19.79	19.88	19.88	20.01	19.91						
5	64QAM	12	0	19.47	19.55	19.59	19.62	19.61						
5	64QAM	12	7	19.62	19.69	19.61	19.78	19.77	20.3	1				
5	64QAM	12	13	19.53	19.75	19.73	19.69	19.63						
5	64QAM	25	0	19.45	19.65	19.65	19.75	19.65						
5	256QAM	1	0	16.35	16.38	16.35	16.27	16.35						
5	256QAM	1	12	16.26	16.35	16.36	16.28	16.30						
5	256QAM	1	24	16.36	16.34	16.47	16.26	16.40	17.3	4				
5	256QAM	12	0	16.30	16.31	16.37	16.30	16.34						
5	256QAM	12	7	16.33	16.32	16.32	16.32	16.32						
5	256QAM	12	13	16.33	16.26	16.47	16.38	16.42						
5	256QAM	25	0	16.35	16.45	16.36	16.38	16.33						



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.	Tune-up limit (dBm)	MSR (dB)					
Channel				39750	40165	40620	41065	41490							
Frequency (MHz)				2506	2549.5	2593	2636.5	2680							
20	QPSK	1	0	20.95	20.98	21.00	20.92	20.97	21.7	0					
20	QPSK	1	49	20.81	20.82	20.95	20.89	20.87							
20	QPSK	1	99	20.80	20.86	20.88	20.88	20.81							
20	QPSK	50	0	20.80	20.85	20.88	20.87	20.95							
20	QPSK	50	24	20.84	20.93	20.95	20.86	20.82							
20	QPSK	50	50	20.80	20.81	20.87	20.85	20.80	21.7	0					
20	QPSK	100	0	20.83	20.87	20.92	20.81	20.88							
20	16QAM	1	0	20.92	20.95	20.87	20.89	20.93							
20	16QAM	1	49	20.90	20.92	20.85	20.84	20.95							
20	16QAM	1	99	20.87	20.84	20.89	20.77	20.88							
20	16QAM	50	0	20.83	20.95	20.99	20.99	20.90	21.7	0					
20	16QAM	50	24	20.90	20.86	20.89	20.82	20.92							
20	16QAM	50	50	20.81	20.91	20.90	20.81	20.85							
20	16QAM	100	0	20.90	20.94	20.98	20.86	20.86							
20	64QAM	1	0	20.87	20.86	20.91	20.89	20.96							
20	64QAM	1	49	20.94	20.91	20.90	20.82	20.85	21.7	0					
20	64QAM	1	99	20.85	20.87	20.89	20.88	20.95							
20	64QAM	50	0	20.86	20.90	20.96	20.86	20.83							
20	64QAM	50	24	20.94	20.86	20.86	20.78	20.86							
20	64QAM	50	50	20.86	20.87	20.96	20.80	20.84							
20	64QAM	100	0	20.88	20.86	20.88	20.88	20.91	21.7	0					
20	256QAM	1	0	19.46	19.49	19.51	19.48	19.42							
20	256QAM	1	49	19.54	19.56	19.60	19.48	19.55							
20	256QAM	1	99	19.58	19.64	19.65	19.53	19.51							
20	256QAM	50	0	19.51	19.48	19.58	19.44	19.50							
20	256QAM	50	24	19.39	19.50	19.51	19.43	19.38	20.2	1.5					
20	256QAM	50	50	19.48	19.45	19.52	19.38	19.45							
20	256QAM	100	0	19.55	19.55	19.58	19.50	19.52							
Channel				39725	40173	40620	41068	41515							
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5							
15	QPSK	1	0	20.91	20.91	20.91	20.91	20.92	21.7	0					
15	QPSK	1	37	20.71	20.74	20.94	20.85	20.85							
15	QPSK	1	74	20.67	20.77	20.80	20.78	20.82							
15	QPSK	36	0	20.78	20.90	20.91	20.81	20.81							
15	QPSK	36	20	20.80	20.91	20.85	20.75	20.79							
15	QPSK	36	39	20.85	20.74	20.73	20.70	20.84	21.7	0					
15	QPSK	75	0	20.75	20.84	20.90	20.67	20.74							
15	16QAM	1	0	20.79	20.94	20.79	20.84	20.86							
15	16QAM	1	37	20.85	20.79	20.77	20.71	20.68							
15	16QAM	1	74	20.82	20.81	20.75	20.71	20.75							
15	16QAM	36	0	20.89	20.86	20.94	20.76	20.77	21.7	0					
15	16QAM	36	20	20.89	20.82	20.75	20.78	20.77							
15	16QAM	36	39	20.73	20.77	20.76	20.66	20.62							
15	16QAM	75	0	20.82	20.89	20.97	20.71	20.85							
15	64QAM	1	0	20.74	20.77	20.85	20.78	20.84	21.7	0					
15	64QAM	1	37	20.69	20.73	20.82	20.67	20.74							
15	64QAM	1	74	20.64	20.72	20.77	20.79	20.86							
15	64QAM	36	0	20.74	20.76	20.94	20.81	20.73							
15	64QAM	36	20	20.87	20.75	20.75	20.65	20.72							
15	64QAM	36	39	20.83	20.75	20.73	20.68	20.78	21.7	0					
15	64QAM	75	0	20.84	20.79	20.73	20.77	20.78							
15	256QAM	1	0	19.37	19.47	19.50	19.46	19.35							
15	256QAM	1	37	19.45	19.41	19.58	19.42	19.41							
15	256QAM	1	74	19.48	19.60	19.62	19.43	19.41							
15	256QAM	36	0	19.37	19.46	19.52	19.48	19.54	20.2	1.5					
15	256QAM	36	20	19.32	19.38	19.44	19.41	19.33							
15	256QAM	36	39	19.46	19.34	19.44	19.31	19.41							
15	256QAM	75	0	19.43	19.43	19.51	19.44	19.48							
Channel				39700	40160	40620	41080	41540							
Frequency (MHz)				25001	25451	2593	2639	2685							
10	QPSK	1	0	20.81	20.91	20.93	20.77	20.82	21.7	0					
10	QPSK	1	25	20.66	20.73	20.94	20.77	20.75							
10	QPSK	1	49	20.73	20.81	20.79	20.75	20.82							
10	QPSK	25	0	20.85	20.88	20.89	20.82	20.91							
10	QPSK	25	12	20.71	20.80	20.86	20.76	20.74							
10	QPSK	25	25	20.82	20.71	20.83	20.79	20.77	21.7	0					
10	QPSK	50	0	20.73	20.82	20.84	20.70	20.75							
10	16QAM	1	0	20.79	20.83	20.77	20.76	20.78							
10	16QAM	1	25	20.76	20.81	20.77	20.62	20.81							
10	16QAM	1	49	20.79	20.69	20.74	20.74	20.81							
10	16QAM	25	0	20.87	20.89	20.85	20.79	20.80	21.7	0					
10	16QAM	25	12	20.76	20.74	20.76	20.67	20.78							
10	16QAM	25	25	20.73	20.90	20.77	20.79	20.87							
10	16QAM	50	0	20.78	20.79	20.89	20.76	20.78							
10	64QAM	1	0	20.77	20.81	20.89	20.78	20.87							
10	64QAM	1	25	20.89	20.88	20.89	20.74	20.76	21.7	0					
10	64QAM	1	49	20.79	20.79	20.78	20.84	20.90							
10	64QAM	25	0	20.75	20.75	20.90	20.79	20.75							
10	64QAM	25	12	20.82	20.82	20.79	20.64	20.82							
10	64QAM	25	25	20.78	20.78	20.82	20.73	20.73							
10	64QAM	50	0	20.87	20.80	20.84	20.73	20.90	20.2	1.5					
10	256QAM	1	0	19.45	19.48	19.43	19.36	19.35							
10	256QAM	1	25	19.48	19.43	19.47	19.39	19.48							
10	256QAM	1	49	19.50	19.56	19.60	19.39	19.39							
10	256QAM	25	0	19.38	19.41	19.52	19.49	19.44							
10	256QAM	25	12	19.34	19.37	19.39	19.35	19.34	20.2	1.5					
10	256QAM	25	25	19.47	19.41	19.51	19.29	19.36							
10	256QAM	50	0	19.48	19.54	19.46	19.42	19.46							
Channel				39675	40148	40620	41093	41565							
Frequency (MHz)				2498.5	25445.8	2593.30	2640.3	2687.5							
5	QPSK	1	0	20.87	20.94	20.90	20.85	20.83	21.7	0					
5	QPSK	1	12	20.76	20.80	20.89	20.76	20.79							
5	QPSK	1	24	20.76	20.79	20.79	20.74	20.86							
5	QPSK	12	0	20.80	20.83	20.95	20.77	20.82							
5	QPSK	12	7	20.82	20.92	20.85	20.73	20.68							
5	QPSK	12	13	20.78	20.68	20.81	20.73	20.80	21.7	0					
5	QPSK	25	0	20.79	20.79	20.77	20.71	20.78							
5	16QAM	1	0	20.85	20.85	20.83	20.84	20.83							
5	16QAM	1	12	20.85	20.86	20.86	20.76	20.89							
5	16QAM	1	24	20.80	20.78	20.77	20.71	20.82							
5	16QAM	12	0	20.86	20.87	20.88	20.80	20.75	21.7	0					
5	16QAM	12	7	20.87	20.73	20.78	20.69	20.77							
5	16QAM	12	13	20.87	20.86	20.86	20.76	20.89							
5	16QAM	25	0	20.75	20.92	20.84	20.81	20.77							
5	64QAM	1	0	20.85	20.80	20.86	20.74	20.92							
5	64QAM	1	12	20.92	20.78	20.89	20.74	20.72	21.7	0					
5	64QAM	1	24	20.72	20.82	20.79	20.79	20.91							
5	64QAM	12	0	20.79	20.83	20.82	20.77	20.89							
5	64QAM	12	7	20.79	20.71	20.83	20.76	20.81							
5	64QAM	12	13	20.83	20.79	20.83	20.67	20.71							
5	QPSK	25	0	20.78	20.74	20.83	20.82	20.90	20.2	1.5					
5	256QAM	1	0	19.37	19.36	19.40	19.40	19.33							
5	256QAM	1	12	19.41	19.39	19.39	19.30	19.32							
5	256QAM	25	0	19.40	19.50	19.57	19.47	19.40							
5	256QAM	12	7	19.27	19.38	19.39	19.42	19.25							

GSM850_Ant 0	Burst Average Power (dBm)				Time-up Limit (dBm)	Frame Average Power (dBm)				Time-up Limit (dBm)
	TX Channel	128	189	251		TX Channel	128	189	251	
Frequency (MHz)		824.2	836.4	848.8		Frequency (MHz)		824.2	836.4	848.8
GBM 1 Tx slot		30.05	30.05	30.03	30.60	21.05	21.05	21.03	21.60	
GPRS/EDGE(GMSK) 1 Tx slot		28.89	30.03	29.86	30.50	20.88	21.03	20.96	21.60	
GPRS/EDGE(GMSK) 2 Tx slots		27.09	27.10	26.95	28.10	21.09	21.10	20.95	22.10	
GPRS/EDGE(GMSK) 3 Tx slots		25.30	25.42	25.37	26.60	21.04	21.18	21.11	22.34	
GPRS/EDGE(GMSK) 4 Tx slots		23.82	23.96	23.86	25.10	20.82	20.99	20.86	22.10	
EDGE 1 Tx slot		26.28	26.30	26.35	26.80	17.28	17.30	17.35	17.80	
EDGE 2 Tx slot		25.20	25.25	25.18	25.60	19.20	19.25	19.18	19.60	
EDGE 3 Tx slot		23.05	23.03	22.98	23.60	18.74	18.77	18.72	19.34	
EDGE 4 Tx slot		21.45	21.45	21.37	22.10	18.43	18.45	18.37	19.10	

Reduced Power Mode for ECI 5

GSM850_Ant 1	Burst Average Power (dBm)				Time-up Limit (dBm)	Frame Average Power (dBm)				Time-up Limit (dBm)
	TX Channel	128	189	251		TX Channel	128	189	251	
Frequency (MHz)		824.2	836.4	848.8		Frequency (MHz)		824.2	836.4	848.8
GBM 1 Tx slot		32.16	32.17	32.05	33.50	23.16	23.17	23.05	24.50	
GPRS/EDGE(GMSK) 1 Tx slot		32.12	32.15	32.01	33.50	23.12	23.15	23.01	24.50	
GPRS/EDGE(GMSK) 2 Tx slots		29.59	29.70	29.65	31.00	23.59	23.70	23.65	25.00	
GPRS/EDGE(GMSK) 3 Tx slots		28.01	28.13	28.05	29.50	23.75	23.87	23.79	25.24	
GPRS/EDGE(GMSK) 4 Tx slots		26.54	27.08	26.97	28.00	23.94	24.08	23.97	25.00	
EDGE 1 Tx slot		26.17	26.30	26.20	27.20	17.17	17.30	17.29	18.20	
EDGE 2 Tx slot		25.00	25.12	25.00	26.00	19.00	19.12	19.00	20.00	
EDGE 3 Tx slot		22.95	22.96	22.88	24.00	18.69	18.70	18.62	19.74	
EDGE 4 Tx slot		21.23	21.25	21.26	22.50	18.23	18.25	18.26	19.58	

GSM1900_Ant 5	Burst Average Power (dBm)				Time-up Limit (dBm)	Frame Average Power (dBm)				Time-up Limit (dBm)
	TX Channel	512	661	810		TX Channel	512	661	810	
Frequency (MHz)		1852.2	1862	1872.8		Frequency (MHz)		1852.2	1862	1872.8
GBM 1 Tx slot		29.83	29.83	29.85	30.50	20.83	20.83	20.85	21.50	
GPRS/EDGE(GMSK) 1 Tx slot		29.78	29.80	29.78	30.50	20.78	20.80	20.78	21.50	
GPRS/EDGE(GMSK) 2 Tx slots		27.27	27.42	27.31	28.50	21.27	21.42	21.31	22.50	
GPRS/EDGE(GMSK) 3 Tx slots		25.77	25.83	25.73	26.50	21.51	21.57	21.47	22.24	
GPRS/EDGE(GMSK) 4 Tx slots		24.61	24.65	24.53	25.00	21.61	21.65	21.53	22.00	
EDGE 1 Tx slot		25.64	25.70	25.56	26.50	18.64	18.70	18.56	17.50	
EDGE 2 Tx slot		23.63	23.85	23.82	24.50	17.83	17.85	17.82	18.50	
EDGE 3 Tx slot		21.62	21.70	21.57	22.50	17.38	17.44	17.31	18.24	
EDGE 4 Tx slot		20.62	20.69	20.65	21.50	17.62	17.69	17.65	18.50	

GSM1900_Ant 6	Burst Average Power (dBm)				Time-up Limit (dBm)	Frame Average Power (dBm)				Time-up Limit (dBm)
	TX Channel	512	661	810		TX Channel	512	661	810	
Frequency (MHz)		1852.2	1862	1872.8		Frequency (MHz)		1852.2	1862	1872.8
GBM 1 Tx slot		26.03	26.10	26.01	26.20	17.03	17.10	17.01	17.20	
GPRS/EDGE(GMSK) 1 Tx slot		26.00	26.05	26.01	26.20	17.00	17.05	17.01	17.20	
GPRS/EDGE(GMSK) 2 Tx slots		23.24	23.34	23.31	24.20	17.24	17.34	17.31	18.20	
GPRS/EDGE(GMSK) 3 Tx slots		21.83	21.85	21.77	22.20	17.87	17.89	17.81	17.94	
GPRS/EDGE(GMSK) 4 Tx slots		20.02	20.18	20.08	20.70	17.02	17.16	17.08	17.70	
EDGE 1 Tx slot		24.71	24.85	24.75	25.20	15.71	15.85	15.75	16.20	
EDGE 2 Tx slot		22.79	22.82	22.77	23.20	16.79	16.82	16.77	17.20	
EDGE 3 Tx slot		20.84	20.95	20.93	21.20	16.58	16.69	16.67	16.94	
EDGE 4 Tx slot		19.18	19.33	19.25	19.70	16.18	16.33	16.25	16.70	

Band	WCDMA V_Ant 5				Time-up Limit (dBm)	WCDMA V_Ant 6				Time-up Limit (dBm)
	TX Channel	9652	9450	9638		TX Channel	9652	9450	9638	
Frequency (MHz)		1852.4	1860	1867.6		Frequency (MHz)		1852.4	1860	1867.6
3GPP Rel 99	AMR 12.2Kbps	23.03	23.08	23.00	23.80	16.23	16.35	16.25	16.80	
3GPP Rel 99	RMC 12.2Kbps	23.05	23.10	23.02	23.80	16.32	16.40	16.33	16.80	
3GPP Rel 6	HSDPA Subtest-1	21.96	22.99	22.50	22.80	16.27	16.37	16.19	16.80	
3GPP Rel 6	HSDPA Subtest-2	22.90	22.97	21.97	22.80	16.27	16.29	16.25	16.80	
3GPP Rel 6	HSDPA Subtest-3	21.96	21.60	21.51	22.30	16.20	16.34	16.23	16.80	
3GPP Rel 6	HSDPA Subtest-4	21.48	21.56	21.49	22.30	16.31	16.31	16.27	16.80	
3GPP Rel 6	DC-HSDPA Subtest-1	21.88	22.06	21.96	22.80	16.21	16.30	16.21	16.80	
3GPP Rel 6	DC-HSDPA Subtest-2	21.88	22.02	21.90	22.80	16.18	16.25	16.30	16.80	
3GPP Rel 6	DC-HSDPA Subtest-3	21.58	21.57	21.42	22.30	16.27	16.32	16.19	16.80	
3GPP Rel 6	DC-HSDPA Subtest-4	21.27	21.42	21.40	22.30	16.19	16.30	16.19	16.80	
3GPP Rel 6	HSPA Subtest-1	21.05	21.12	21.04	22.80	16.26	16.29	16.28	16.80	
3GPP Rel 6	HSPA Subtest-2	21.04	21.10	21.05	22.80	16.28	16.30	16.25	16.80	
3GPP Rel 6	HSPA Subtest-3	21.06	21.13	21.05	22.80	16.23	16.38	16.32	16.80	
3GPP Rel 6	HSPA Subtest-4	20.55	20.65	20.60	22.30	16.28	16.37	16.31	16.80	
3GPP Rel 6	HSPA Subtest-5	22.00	22.10	22.00	23.80	16.26	16.38	16.25	16.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.07	21.10	21.04	22.30	16.27	16.25	16.28	16.80	

Band	WCDMA V_Ant 5				Time-up Limit (dBm)	WCDMA V_Ant 6				Time-up Limit (dBm)	WCDMA V_Ant 11				Time-up Limit (dBm)	WCDMA V_Ant 7				Time-up Limit (dBm)		
	TX Channel	1512	1413	1513		TX Channel	1537	1638	1738		TX Channel	1537	1638	1738		TX Channel	1537	1638	1738			
Frequency (MHz)		1712.4	1752.6	1762.6		Frequency (MHz)		1712.4	1752.6	1762.6		Frequency (MHz)		1712.4	1752.6	1762.6		Frequency (MHz)		1712.4	1752.6	1762.6
3GPP Rel 99	AMR 12.2Kbps	24.08	24.12	24.10	24.80	15.93	15.96	15.84	16.40	16.60	16.62	18.73	19.30	15.75	15.83	15.77	16.60					
3GPP Rel 99	RMC 12.2Kbps	24.12	24.15	24.13	24.80	15.95	15.99	15.90	16.40	16.72	16.77	18.75	19.30	15.85	15.90	15.82	16.60					
3GPP Rel 6	HSDPA Subtest-1	23.17	23.18	23.16	23.80	15.89	15.89	15.87	16.40	16.68	16.63	18.66	19.30	15.70	15.84	15.76	16.60					
3GPP Rel 6	HSDPA Subtest-2	23.13	23.11	23.14	23.80	15.88	15.86	15.78	16.40	16.71	16.63	18.62	19.30	15.81	15.84	15.73	16.60					
3GPP Rel 6	HSDPA Subtest-3	22.70	22.63	22.71	23.30	15.87	15.94	15.87	16.40	16.59	16.70	18.67	19.30	15.81	15.85	15.74	16.60					
3GPP Rel 6	HSDPA Subtest-4	22.63	22.62	22.65	23.30	15.86	15.84	15.78	16.40	16.64	16.71	18.63	19.30	15.74	15.86	15.78	16.60					
3GPP Rel 6	DC-HSDPA Subtest-1	22.11	22.07	22.10	23.80	15.81	15.85	15.75	16.40	16.66	16.73	18.73	19.30	15.80	15.87	15.78	16.60					
3GPP Rel 6	DC-HSDPA Subtest-2	22.04	22.08	22.06	23.80	15.90	15.88	15.86	16.40	16.71	16.75	18.74	19.30	15.77	15.79	15.79	16.60					
3GPP Rel 6	DC-HSDPA Subtest-3	22.84	22.59	22.62	23.30	15.86	15.91	15.79	16.40	16.59	16.74	18.68	19.30	15.77	15.78	15.72	16.60					
3GPP Rel 6	DC-HSDPA Subtest-4	22.51	22.50	22.50	23.30	15.84	15.90	15.89	16.40	16.68	16.73	18.70	19.30	15.74	15.79	15.75	16.60					
3GPP Rel 6	HSPA Subtest-1	22.18	22.14	22.22	23.80	15.90	15.94	15.85	16.40	16.67	16.73	18.64	19.30	15.80	15.78	15.68	16.60					
3GPP Rel 6	HSPA Subtest-2	22.21	22.16	22.25	23.80	15.92	15.86	15.84	16.40	16.66	16.68	18.67	19.30	15.80	15.79	15.76	16.60					
3GPP Rel 6	HSPA Subtest-3	22.21	22.15	22.18	23.80	15.86	15.92	15.85	16.40	16.64	16.62	18.67	19.30	15.84	15.88	15.81	16.60					
3GPP Rel 6	HSPA Subtest-4	21.70	21.70	21.72	23.30	15.82	15.91	15.84	16.40	16.63	16.67	18.61	19.30	15.75	15.77	15.71	16.60					
3GPP Rel 6	HSPA Subtest-5	23.20	23.20	23.20	23.80	15.86	15.96	15.84	16.40	16.71	16.67	18.64	19.30	15.79	15.77	15.79	16.60					
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.98	22.09	22.05	23.80	15.93	15.93	15.77	16.40	16.64	16.68	18.63	19.30	15.83	15.85	15.74	16.60					

Band	WCDMA V_Ant 0				Time-up Limit (dbm)	WCDMA V_Ant 1				Time-up Limit (dbm)
	TX Channel	4192	4182	4233		TX Channel	4192	4182	4233	
Frequency (MHz)		826.4	836.4	846.6		Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	23.31	23.26	23.32	23.90	24.20	24.23	24.25	24.80	
3GPP Rel 99	RMC 12.2Kbps	23.32	23.40	23.35	23.90	24.24	24.26	24.27	24.80	
3GPP Rel 6	HSDPA Subtest-1	22.85	22.84	22.87	23.40	23.30	23.34	23.33	23.80	
3GPP Rel 6	HSDPA Subtest-2	22.83	22.77	22.74	22.90	23.28	23.08	22.89	23.30	
3GPP Rel 6	HSDPA Subtest-3	22.83	22.78	22.75	22.90	23.28	23.12	22.93	23.30	
3GPP Rel 6	DC-HSDPA Subtest-1	22.83	22.77	22.73	23.40	23.26	23.22	23.26	23.80	
3GPP Rel 6	DC-HSDPA Subtest-2	22.77	22.71	22.82	23.40	23.18	23.19	23.19	23.80	
3GPP Rel 6	DC-HSDPA Subtest-3	22.78	22.78	22.80	23.40	23.17	23.17	23.17	23.80	
3GPP Rel 6	DC-HSDPA Subtest-4	22.95	22.91	22.90	22.90	23.73	22.67	23.73	23.30	
3GPP Rel 6	HSPA Subtest-1	21.84	21.82	21.86	22.40	22.25	22.26	22.29	22.80	
3GPP Rel 6	HSPA Subtest-2	21.83	21.83	21.85	22.40	22.29	22.28	22.29	22.80	
3GPP Rel 6	HSPA Subtest-3	21.84	21.84	21.86	22.40	22.29	22.28	22.29	22.80	
3GPP Rel 6	HSPA Subtest-4	21.86	21.84	21.36	21.90	21.81	21.73	21.83	22.30	
3GPP Rel 6	HSPA Subtest-5	22.30	22.80	22.90	23.40	23.30	23.30	23.30	23.80	
3GPP Rel 6	HSPA+ (TSM) Subtest-1	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	

Band 2_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [dBm]	Power Freq Ch / Freq [dBm]	Power Freq Freq [dBm]	Turn-up (dB)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.00	23.24	23.07		
20	QPSK	1	9	23.10	23.17	23.07	23.8	0
20	QPSK	1	99	23.09	23.02	23.07		
20	QPSK	50	24	22.62	22.71	22.64		
20	QPSK	50	50	22.61	22.64	22.64	23.3	0.5
20	QPSK	100	72	22.60	22.72	22.60		
20	16QAM	1	0	23.16	22.86	23.10		
20	16QAM	1	49	23.00	23.17	23.06	23.3	0.5
20	16QAM	1	99	22.99	22.94	22.94		
20	16QAM	50	24	22.14	22.18	22.13		
20	16QAM	50	50	22.13	22.20	22.17	22.8	1
20	16QAM	50	50	22.14	22.12	21.68		
20	16QAM	100	72	22.10	22.17	22.11		
20	16QAM	1	0	23.17	22.87	23.01		
20	16QAM	1	99	23.09	23.02	23.07	23.8	0
20	16QAM	50	24	21.68	21.80	21.67		
20	16QAM	50	50	21.65	21.72	21.69	21.8	2
20	16QAM	50	50	21.66	21.64	21.20		
20	16QAM	100	72	21.62	21.69	21.63		
20	16QAM	1	0	22.13	22.20	22.17		
20	16QAM	1	49	22.06	22.23	22.19	18.8	5
20	16QAM	1	99	22.18	22.32	22.21		
20	16QAM	50	24	21.76	21.81	21.74		
20	16QAM	50	50	21.74	21.78	21.71	18.8	5
20	16QAM	50	50	21.75	21.74	21.30		
20	16QAM	100	72	21.70	21.76	21.70		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1	0	22.19	22.26	22.19		
20	16QAM	1	49	22.12	22.29	22.25	18.8	5
20	16QAM	1	99	22.24	22.38	22.27		
20	16QAM	50	24	21.70	21.77	21.70		
20	16QAM	50	50	21.69	21.72	21.66	18.8	5
20	16QAM	50	50	21.70	21.72	21.26		
20	16QAM	100	72	21.65	21.72	21.69		
20	16QAM	1						



Appendix E

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Band 4_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F/ch)	Power Med Ch (F/ch)	Power High Ch (F/ch)	Tau (ms)	MPR (dB)		
Channel										
Frequency (MHz)										
1720 1732.5 1745										
20	QPSK	1	0	24.12	24.32	24.18				
20	QPSK	1	45	24.60	24.16	24.18	25	0		
20	QPSK	1	90	24.60	24.16	24.18				
20	QPSK	50	24	23.61	23.64	23.62				
20	QPSK	50	50	23.60	23.61	23.62	24.5	0.5		
20	QPSK	50	75	23.63	23.61	23.64				
20	HQAM	1	0	24.11	23.85	24.10				
20	HQAM	1	49	24.03	24.18	23.86	24.5	0.5		
20	HQAM	1	99	24.08	23.76	24.02				
20	HQAM	50	0	23.56	23.22	23.19				
20	HQAM	50	24	23.30	23.25	23.18	24	1		
20	HQAM	100	0	23.54	23.15	23.10				
20	HQAM	1	0	22.83	22.92	22.97				
20	HQAM	1	49	22.81	22.89	22.73	24	1		
20	HQAM	50	0	22.93	22.25	22.19				
20	HQAM	50	24	22.13	22.13	22.15	23	2		
20	HQAM	100	0	22.60	22.11	22.10				
20	HQAM	100	0	22.64	22.11	22.09				
20	HQAM	1	0	18.31	18.40	18.32				
20	HQAM	1	49	18.32	18.39	18.28	20	5		
20	HQAM	1	99	18.24	18.27	18.12				
20	HQAM	50	0	18.33	18.39	18.33				
20	HQAM	50	24	18.14	18.25	18.23	20	5		
20	HQAM	100	0	18.16	18.29	18.27				
20	HQAM	100	0	18.19	18.29	18.28				
Channel										
Frequency (MHz)										
1717.5 1732.5 1747.5										
15	QPSK	1	0	24.02	24.15	24.06				
15	QPSK	1	37	24.60	24.11	24.07	25	0		
15	QPSK	1	74	24.61	24.01	24.06				
15	QPSK	36	0	23.63	23.73	23.61				
15	QPSK	36	20	23.69	23.61	23.61	24.5	0.5		
15	QPSK	36	40	23.69	23.68	23.67				
15	HQAM	1	0	24.10	23.25	23.62	24.5	0.5		
15	HQAM	1	24	23.62	23.12	23.18				
15	HQAM	36	0	22.91	23.21	23.18				
15	HQAM	36	20	23.20	23.15	23.18	24	1		
15	HQAM	36	39	23.20	23.07	23.12				
15	HQAM	75	0	22.65	23.10	23.05				
15	HQAM	75	0	22.65	22.91	22.85				
15	HQAM	1	37	22.70	22.93	22.89	24	1		
15	HQAM	1	74	22.86	22.75	22.81				
15	HQAM	36	0	21.96	22.14	22.17				
15	HQAM	36	20	21.96	22.09	22.17	23	2		
15	HQAM	36	39	21.96	22.07	22.04				
15	HQAM	75	0	21.97	21.97	21.94				
15	HQAM	1	0	18.27	18.38	18.17				
15	HQAM	1	74	18.15	18.23	18.16	20	5		
15	HQAM	36	0	18.20	18.38	18.27				
15	HQAM	36	39	18.16	18.20	18.22	20	5		
15	HQAM	75	0	18.18	18.22	18.20				
Channel										
Frequency (MHz)										
1714.5 1732.5 1750										
10	QPSK	1	0	24.02	24.12	24.01				
10	QPSK	1	25	24.60	24.19	24.04	25	0		
10	QPSK	1	50	24.60	24.19	24.04				
10	QPSK	25	0	23.47	23.60	23.61				
10	QPSK	25	12	23.47	23.54	23.61	24.5	0.5		
10	QPSK	25	24	23.47	23.54	23.61				
10	QPSK	50	0	23.48	23.62	23.55				
10	HQAM	1	0	24.05	23.84	23.94	24.5	0.5		
10	HQAM	1	25	23.81	23.69	23.81				
10	HQAM	1	49	23.60	23.66	23.93				
10	HQAM	25	0	22.96	23.16	23.13				
10	HQAM	25	12	22.97	23.13	23.07	24	1		
10	HQAM	25	24	22.99	23.03	23.15				
10	HQAM	50	0	22.91	23.04	23.06				
10	HQAM	50	0	22.71	22.88	22.85				
10	HQAM	1	49	22.70	22.83	22.72	23	2		
10	HQAM	1	25	22.70	22.83	22.72				
10	HQAM	25	0	21.94	22.18	22.07	20	5		
10	HQAM	25	12	21.96	22.06	22.07				
10	HQAM	25	24	21.96	22.01	21.96				
10	HQAM	50	0	18.20	18.29	18.22				
10	HQAM	1	0	18.22	18.24	18.24	20	5		
10	HQAM	1	49	18.10	18.21	18.18				
10	HQAM	25	0	18.20	18.29	18.22				
10	HQAM	25	12	18.17	18.23	18.16	20	5		
10	HQAM	25	24	18.17	18.19	18.22				
10	HQAM	50	0	18.18	18.19	18.28				
Channel										
Frequency (MHz)										
1699.5 1732.5 1757.5										
5	QPSK	1	0	24.50	24.09	24.12				
5	QPSK	1	12	24.60	24.07	24.04	25	0		
5	QPSK	1	25	24.60	24.07	24.04				
5	QPSK	12	0	23.64	23.61	23.64				
5	QPSK	12	7	23.64	23.67	23.63	24.5	0.5		
5	QPSK	12	14	23.61	23.60	23.62				
5	QPSK	25	0	23.43	23.33	23.57				
5	HQAM	1	0	24.08	23.79	23.89	24.5	0.5		
5	HQAM	1	12	23.81	24.09	23.82				
5	HQAM	1	24	24.04	23.86	23.93				
5	HQAM	12	0	22.92	23.20	23.07				
5	HQAM	12	7	23.07	23.15	23.14	24	1		
5	HQAM	12	14	22.93	23.01	23.15				
5	HQAM	25	0	22.94	23.06	23.17				
5	HQAM	25	0	22.81	22.85	22.85				
5	HQAM	1	12	22.69	22.80	22.82	24	1		
5	HQAM	1	24	22.72	22.77	22.85				
5	HQAM	12	0	21.96	22.22	22.12	23	2		
5	HQAM	12	7	22.03	22.12	22.10				
5	HQAM	12	14	21.96	22.03	22.05				
5	HQAM	25	0	21.92	22.02	22.00				
5	HQAM	1	0	18.20	18.30	18.22	20	5		
5	HQAM	1	12	18.20	18.23	18.27				
5	HQAM	12	0	18.27	18.39	18.20				
5	HQAM	12	7	18.27	18.34	18.23	20	5		
5	HQAM	12	14	18.17	18.22	18.15				
5	HQAM	25	0	18.18	18.15	18.28				
Channel										
Frequency (MHz)										
1696.5 1732.5 1759.5										
3	QPSK	1	0	24.50	24.03	24.18				
3	QPSK	1	8	24.60	24.20	24.14	25	0		
3	QPSK	1	16	24.60	24.19	24.14				
3	QPSK	8	0	23.63	23.64	23.56				
3	QPSK	8	4	23.69	23.60	23.58	24.5	0.5		
3	QPSK	8	8	23.61	23.59	23.52				
3	QPSK	16	0	23.47	23.63	23.57				
3	HQAM	1	0	24.62	23.74	23.91	24.5	0.5		
3	HQAM	1	8	23.81	24.13	23.86				
3	HQAM	1	14	23.97	23.69	23.91				
3	HQAM	8	0	22.95	23.10	23.07				
3	HQAM	8	4	22.90	23.07	23.04	24	1		
3	HQAM	8	7	23.02	23.04	23.08				
3	HQAM	16	0	22.95	23.00	23.09				
3	HQAM	16	0	22.71	22.91	22.87				
3	HQAM	1	8	22.78	22.96	22.48	24	1		
3	HQAM	1	14	22.70	22.86	22.84				
3	HQAM	8	0	21.96	22.22	22.13	23	2		
3	HQAM	8	4	22.00	22.01	22.08				
3	HQAM	8	7	21.93	22.10	22.04				
3	HQAM	16	0	18.23	18.25	18.30	20	5		
3	HQAM	16	0	18.21	18.27	18.31				
3	HQAM	16	8	18.18	18.33	18.28	20	5		
3	HQAM	16	8	18.20	18.22	18.23				
3	HQAM	16	0	18.10	18.22	18.15				
Channel										

Band 5_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Time-use (int (dB))	MPR (dB)			
Channel											
Frequency (MHz)				264.05	326.5	366.5					
10	QPSK	1	0	23.12	24.10	24.01	25	0			
10	QPSK	1	25	23.99	24.10	24.07					
10	QPSK	1	49	24.07	23.99	24.07					
10	QPSK	25	0	23.95	23.80	23.93					
10	QPSK	25	12	23.92	23.49	23.48					
10	QPSK	25	25	23.93	23.52	23.38	24.5	0.5			
10	QPSK	50	0	23.91	23.93	23.91					
10	QPSK	50	1	23.85	23.79	23.86					
10	QPSK	1	0	23.82	23.77	23.85					
10	QPSK	1	25	23.80	23.84	23.81					
10	QPSK	1	49	23.80	23.88	23.75	24	1			
10	QPSK	25	0	23.83	22.88	23.85					
10	QPSK	25	12	23.83	23.93	23.81					
10	QPSK	50	0	23.80	23.83	23.85					
10	QPSK	50	1	23.85	23.89	23.82					
10	QPSK	1	0	23.82	22.84	23.81	23	2			
10	QPSK	1	49	23.85	22.85	22.49					
10	QPSK	25	0	23.84	21.97	22.00					
10	QPSK	25	12	22.90	21.97	22.00					
10	QPSK	25	25	21.96	21.98	21.94					
10	QPSK	50	0	21.96	22.91	21.90	20	5			
10	QPSK	50	1	18.62	18.66	18.52					
10	QPSK	1	0	18.62	18.63	18.52					
10	QPSK	1	49	18.65	18.67	18.48					
10	QPSK	25	0	18.44	18.59	18.55					
10	QPSK	25	12	18.46	18.52	18.42	20	5			
10	QPSK	25	25	18.47	18.57	18.44					
10	QPSK	50	0	18.52	18.62	18.50					
Channel											
Frequency (MHz)				264.05	326.5	366.5	Time-use (int (dB))	MPR (dB)			
5	QPSK	1	0	23.97	24.08	23.93	25	0			
5	QPSK	1	12	24.06	24.14	23.96					
5	QPSK	1	24	23.93	23.97	24.05					
5	QPSK	12	0	23.42	23.51	23.48					
5	QPSK	12	7	23.42	23.41	23.40					
5	QPSK	12	13	23.41	23.48	23.30	24.5	0.5			
5	QPSK	25	0	23.42	23.56	23.48					
5	QPSK	25	0	23.50	23.52	23.42					
5	QPSK	1	0	23.72	23.70	23.73					
5	QPSK	1	24	23.47	23.51	23.50					
5	QPSK	1	24	23.67	23.58	23.74	24	1			
5	QPSK	12	0	22.75	22.92	23.02					
5	QPSK	12	7	22.93	22.95	22.90					
5	QPSK	25	0	22.60	22.65	22.60					
5	QPSK	25	0	22.60	22.64	22.58					
5	QPSK	1	0	22.57	22.59	22.49	24	1			
5	QPSK	1	24	22.54	22.64	22.50					
5	QPSK	12	0	21.97	21.99	21.85					
5	QPSK	12	7	21.97	21.96	21.94					
5	QPSK	12	13	21.94	21.96	21.76					
5	QPSK	1	0	21.94	21.96	21.76	23	2			
5	QPSK	1	12	21.94	21.96	21.76					
5	QPSK	1	24	21.94	21.96	21.76					
5	QPSK	12	0	18.40	18.54	18.43					
5	QPSK	12	7	18.40	18.50	18.40					
5	QPSK	1	0	18.40	18.51	18.36	20	5			
5	QPSK	12	0	18.50	18.55	18.46					
5	QPSK	12	7	18.50	18.57	18.46					
5	QPSK	12	13	18.43	18.42	18.35					
5	QPSK	25	0	18.48	18.52	18.46					
Channel											
Frequency (MHz)				264.05	326.5	366.5	Time-use (int (dB))	MPR (dB)			
3	QPSK	1	0	23.96	24.05	23.96	25	0			
3	QPSK	1	8	23.98	24.01	24.01					
3	QPSK	1	16	23.93	23.97	24.05					
3	QPSK	8	0	23.43	23.47	23.51					
3	QPSK	8	7	23.48	23.41	23.38					
3	QPSK	16	0	23.43	23.74	23.78	24.5	0.5			
3	QPSK	16	0	23.54	23.70	23.71					
3	QPSK	1	0	23.66	23.67	23.61					
3	QPSK	1	14	23.78	23.56	23.74					
3	QPSK	8	0	22.85	22.83	23.04					
3	QPSK	8	4	22.87	22.98	22.96	24	1			
3	QPSK	8	7	22.79	22.89	22.85					
3	QPSK	15	0	22.86	22.96	22.90					
3	QPSK	15	0	22.45	22.34	22.47					
3	QPSK	1	0	22.58	22.60	22.62					
3	QPSK	1	14	22.57	22.60	22.38	24	1			
3	QPSK	8	0	21.75	21.85	21.88					
3	QPSK	8	4	21.86	21.96	21.94					
3	QPSK	8	7	21.85	21.97	21.76					
3	QPSK	15	0	21.86	21.91	21.76					
3	QPSK	1	0	18.55	18.56	18.42	20	5			
3	QPSK	1	14	18.54	18.46	18.44					
3	QPSK	8	0	18.41	18.47	18.50					
3	QPSK	8	4	18.36	18.43	18.37					
3	QPSK	15	0	18.39	18.47	18.40					
3	QPSK	15	0	18.47	18.57	18.47					
Channel											
Frequency (MHz)				264.05	326.5	366.5	Time-use (int (dB))	MPR (dB)			
1.4	QPSK	1	0	23.95	23.97	23.95	25	0			
1.4	QPSK	1	3	24.00	24.11	24.01					
1.4	QPSK	1	6	23.93	23.98	24.00					
1.4	QPSK	3	0	23.90	24.09	24.06					
1.4	QPSK	3	1	24.08	24.08	24.00					
1.4	QPSK	3	1	24.08	24.08	24.00	24.5	0.5			
1.4	QPSK	6	0	23.47	23.75	23.63					
1.4	QPSK	6	0	23.47	23.43	23.44					
1.4	QPSK	1	0	23.70	23.75	23.76					
1.4	QPSK	1	3	23.47	23.75	23.63					
1.4	QPSK	1	6	23.87	23.92	22.90	24	1			
1.4	QPSK	1	9	22.96	22.39	22.47					
1.4	QPSK	1	12	22.96	22.96	22.96					
1.4	QPSK	1	15	22.95	22.91	22.48					
1.4	QPSK	3	0	22.52	22.29	22.40					
1.4	QPSK	3	0	22.49	22.49	22.49	23	2			
1.4	QPSK	3	3	22.55	22.61	22.45					
1.4	QPSK	3	6	21.90	21.93	21.86					
1.4	QPSK	3	9	21.94	21.94	21.83					
1.4	QPSK	3	12	19.38	19.48	19.35					
1.4	QPSK	1	0	18.54	18.54	18.40	20	5			
1.4	QPSK	1	3	18.54	18.48	18.45					
1.4	QPSK	1	6	18.41	18.48	18.43					
1.4	QPSK	1	9	18.38	18.48	18.35					
1.4	QPSK	3	0	18.39	18.56	18.50					

Band 7_Ant 11									
BW (Hz)	Modulation	RE Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Turnup int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)				20500	21500	21600			
20	QPSK	1	0	16.56	16.69	16.32			
20	QPSK	1	40	16.74	16.76	16.75	17.4	0	
20	QPSK	1	80	16.85	16.87	16.83			
20	QPSK	50	0	16.75	16.85	16.78			
20	QPSK	50	24	16.69	16.80	16.69	17.4	0	
20	QPSK	50	50	16.73	16.74	16.76			
20	QPSK	100	0	16.76	16.82	16.75			
20	HQAM	1	0	16.67	16.67	16.78	17.4	0	
20	HQAM	1	40	16.70	16.76	16.77			
20	HQAM	1	80	16.74	16.75	16.69			
20	HQAM	50	0	16.68	16.75	16.79			
20	HQAM	50	24	16.69	16.85	16.70	17.4	0	
20	HQAM	50	50	16.76	16.74	16.87			
20	HQAM	100	0	16.67	16.74	16.73			
20	HQAM	1	40	16.77	16.86	16.74			
20	HQAM	1	80	16.69	16.80	16.68	17.4	0	
20	HQAM	1	50	16.70	16.75	16.75			
20	HQAM	50	0	16.71	16.84	16.70	17.4	0	
20	HQAM	50	24	16.69	16.75	16.79			
20	HQAM	50	50	16.80	16.80	16.81			
20	HQAM	100	0	16.71	16.84	16.70			
20	SSBQAM	1	0	16.76	16.78	16.78			
20	SSBQAM	1	40	16.80	16.75	16.72	17.4	0	
20	SSBQAM	1	80	16.76	16.80	16.68			
20	SSBQAM	50	0	16.76	16.73	16.71			
20	SSBQAM	50	24	16.76	16.73	16.79	17.4	0	
20	SSBQAM	50	50	16.86	16.73	16.79			
20	SSBQAM	100	0	16.73	16.73	16.80			
Channel									
Frequency (MHz)				20900.5	21500	21575	16dBc int. (dBm)	MFR (dB)	
15	QPSK	1	0	16.76	16.86	16.79			
15	QPSK	1	37	16.67	16.65	16.74	17.4	0	
15	QPSK	1	74	16.61	16.63	16.66			
15	QPSK	36	0	16.64	16.61	16.73			
15	QPSK	36	20	16.63	16.75	16.64	17.4	0	
15	QPSK	36	39	16.62	16.69	16.63			
15	QPSK	75	0	16.69	16.80	16.65			
15	HQAM	1	0	16.66	16.74	16.70	17.4	0	
15	HQAM	1	37	16.69	16.77	16.63			
15	HQAM	1	74	16.61	16.63	16.62			
15	HQAM	36	0	16.61	16.67	16.76	17.4	0	
15	HQAM	36	20	16.61	16.74	16.64			
15	HQAM	36	39	16.64	16.69	16.59			
15	HQAM	75	0	16.63	16.62	16.72			
15	HQAM	1	40	16.64	16.76	16.61			
15	HQAM	1	37	16.52	16.66	16.63	17.4	0	
15	HQAM	1	74	16.61	16.62	16.72			
15	HQAM	36	0	16.66	16.70	16.75			
15	HQAM	36	20	16.59	16.63	16.71	17.4	0	
15	HQAM	36	39	16.53	16.72	16.76			
15	HQAM	75	0	16.65	16.76	16.68			
15	HQAM	1	40	16.66	16.74	16.68	17.4	0	
15	HQAM	1	74	16.61	16.65	16.63			
15	SSBQAM	1	0	16.75	16.74	16.63			
15	SSBQAM	1	37	16.58	16.74	16.58			
15	SSBQAM	1	74	16.61	16.65	16.63	17.4	0	
15	SSBQAM	36	0	16.71	16.59	16.57			
15	SSBQAM	36	20	16.69	16.64	16.66			
15	SSBQAM	36	39	16.54	16.64	16.72	17.4	0	
15	SSBQAM	75	0	16.57	16.64	16.66			
Channel									
Frequency (MHz)				20900.5	21500	21400	16dBc int. (dBm)	MFR (dB)	
10	QPSK	1	0	16.76	16.83	16.74			
10	QPSK	1	25	16.69	16.63	16.72	17.4	0	
10	QPSK	48	0	16.64	16.63	16.70			
10	QPSK	25	0	16.70	16.77	16.65			
10	QPSK	25	12	16.64	16.74	16.58	17.4	0	
10	QPSK	48	24	16.67	16.71	16.66			
10	QPSK	50	0	16.76	16.69	16.69			
10	HQAM	1	0	16.54	16.61	16.71	17.4	0	
10	HQAM	1	25	16.71	16.72	16.70			
10	HQAM	1	48	16.69	16.62	16.55			
10	HQAM	25	0	16.63	16.67	16.75			
10	HQAM	25	12	16.69	16.79	16.57	17.4	0	
10	HQAM	25	25	16.71	16.65	16.58			
10	HQAM	50	0	16.69	16.70	16.59			
10	HQAM	1	0	16.72	16.80	16.65			
10	HQAM	1	25	16.59	16.73	16.62	17.4	0	
10	HQAM	1	48	16.62	16.74	16.74			
10	HQAM	25	0	16.69	16.62	16.79			
10	HQAM	25	12	16.69	16.69	16.77	17.4	0	
10	HQAM	25	25	16.56	16.76	16.70			
10	HQAM	50	0	16.61	16.71	16.59			
10	SSBQAM	1	0	16.77	16.73	16.73			
10	SSBQAM	1	25	16.58	16.74	16.71	17.4	0	
10	SSBQAM	1	48	16.67	16.68	16.61			
10	SSBQAM	25	0	16.70	16.69	16.57			
10	SSBQAM	25	12	16.67	16.79	16.66			
10	SSBQAM	25	25	16.59	16.65	16.74	17.4	0	
10	SSBQAM	50	0	16.58	16.63	16.69			
Channel									
Frequency (MHz)				20775	21500	21425	16dBc int. (dBm)	MFR (dB)	
5	QPSK	1	0	16.71	16.82	16.71			
5	QPSK	1	12	16.72	16.73	16.69	17.4	0	
5	QPSK	1	24	16.50	16.63	16.72			
5	QPSK	12	0	16.68	16.82	16.75			
5	QPSK	12	7	16.51	16.68	16.65	17.4	0	
5	QPSK	12	13	16.65	16.61	16.70			
5	QPSK	25	0	16.63	16.67	16.66			
5	HQAM	1	0	16.56	16.60	16.76	17.4	0	
5	HQAM	1	12	16.72	16.79	16.62			
5	HQAM	1	24	16.63	16.67	16.63			
5	HQAM	12	0	16.64	16.67	16.68			
5	HQAM	12	7	16.69	16.60	16.55	17.4	0	
5	HQAM	12	13	16.62	16.70	16.64			
5	HQAM	25	0	16.62	16.62	16.59			
5	HQAM	1	0	16.62	16.62	16.67			
5	HQAM	1	12	16.57	16.66	16.64	17.4	0	
5	HQAM	1	24	16.67	16.62	16.67			
5	HQAM	12	0	16.66	16.62	16.76			
5	HQAM	12	7	16.62	16.63	16.64	17.4	0	
5	HQAM	12	13	16.56	16.70	16.76			
5	HQAM	25	0	16.57	16.61	16.69			
5	SSBQAM	1	0	16.74	16.69	16.72	17.4	0	
5	SSBQAM	1	12	16.64	16.73	16.63			
5	SSBQAM	1	24	16.63	16.77	16.62			
5	SSBQAM	12	0	16.69	16.62	16.66			
5	SSBQAM	12	7	16.73	16.68	16.70			
5	SSBQAM	12	13	16.63	16.63	16.76	17.4	0	
5	SSBQAM	25	0	16.68	16.65	16.68			

Band 7_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up int. (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				20500	21500	21500			
20	QPSK	1	0	16.56	16.50	16.47			
20	QPSK	1	40	16.75	16.76	16.44	17.5	0	
20	QPSK	1	80	16.76	16.83	16.45			
20	QPSK	50	0	16.67	16.62	16.46			
20	QPSK	50	24	16.73	16.19	16.34	17.5	0	
20	QPSK	50	50	16.62	16.18	16.34			
20	QPSK	100	0	16.67	16.62	16.41			
20	HQAM	1	0	16.64	16.16	16.44	17.5	0	
20	HQAM	1	40	16.65	16.16	16.38			
20	HQAM	1	80	16.66	16.26	16.46			
20	HQAM	50	0	16.60	16.16	16.39			
20	HQAM	50	24	16.60	16.16	16.45	17.5	0	
20	HQAM	50	50	16.77	16.21	16.40	17.5	0	
20	HQAM	100	0	16.65	16.23	16.34			
20	HQAM	1	40	16.70	16.16	16.39	17.5	0	
20	HQAM	1	80	16.61	16.26	16.39			
20	HQAM	50	0	16.70	16.20	16.34			
20	HQAM	50	24	16.67	16.16	16.41	17.5	0	
20	HQAM	50	50	16.77	16.16	16.37			
20	HQAM	100	0	16.65	16.26	16.34			
20	SSBQAM	1	0	14.50	14.67	15.17			
20	SSBQAM	1	40	14.50	14.62	15.14	16	1.5	
20	SSBQAM	1	80	14.45	14.85	15.07			
20	SSBQAM	50	0	14.50	14.81	15.05			
20	SSBQAM	50	24	14.50	14.78	14.96	16	1.5	
20	SSBQAM	50	50	14.62	14.67	15.15			
20	SSBQAM	100	0	14.42	14.62	15.08			
Channel									
Frequency (MHz)				20900.5	21500	21425	16dBc int. (dBm)	M	
15	QPSK	1	0	16.76	16.74	16.46			
15	QPSK	1	40	16.95	16.96	16.62	17.5	0	
15	QPSK	1	80	16.96	17.03	16.64			
15	QPSK	36	0	16.82	16.21	16.39			
15	QPSK	36	24	16.88	16.08	16.27	17.5	0	
15	QPSK	36	50	16.78	16.09	16.19			
15	QPSK	75	0	16.81	16.11	16.35			
15	QPSK	75	40	16.83	16.23	16.35	17.5	0	
15	HQAM	1	0	16.71	16.02	16.30	17.5	0	
15	HQAM	1	40	16.76	16.05	16.32			
15	HQAM	1	80	16.74	16.06	16.32			
15	HQAM	36	0	16.70	16.12	16.42			
15	HQAM	36	24	16.76	16.12	16.42	17.5	0	
15	HQAM	36	50	16.66	16.13	16.25			
15	HQAM	75	0	16.77	16.15	16.25			
15	HQAM	75	40	16.80	16.15	16.25	17.5	0	
15	HQAM	75	80	16.79	16.15	16.25			
15	HQAM	1	0	16.67	16.13	16.26			
15	HQAM	1	40	16.72	16.13	16.26	17.5	0	
15	HQAM	1	80	16.73	16.13	16.26			
15	HQAM	1	24	16.74	16.13	16.26			
15	HQAM	36	0	16.75	16.10	16.26			
15	HQAM	36	24	16.81	16.11	16.25	17.5	0	
15	HQAM	36	50	16.74	16.11	16.25			
15	HQAM	75	0	16.80	16.14	16.25			
15	HQAM	75	40	16.82	16.14	16.25	17.5	0	
15	HQAM	75	80	16.81	16.14	16.25			
15	SSBQAM	1	0	14.41	14.73	15.04	16	1.5	
15	SSBQAM	1	40	14.42	14.72	15.04			
15	SSBQAM	1	80	14.36	14.72	15.04			
15	SSBQAM	36	0	14.28	14.73	15.02			
15	SSBQAM	36	24	14.46	14.69	15.03	16	1.5	
15	SSBQAM	36	50	14.42	14.68	15.03			
Channel									
Frequency (MHz)				20900.5	21500	21425	16dBc int. (dBm)	M	
10	QPSK	1	0	16.83	16.74	16.46			
10	QPSK	1	40	17.01	17.02	16.62	17.5	0	
10	QPSK	1	80	17.02	17.09	16.63			
10	QPSK	25	0	16.80	16.24	16.39			
10	QPSK	25	12	16.86	16.04	16.27	17.5	0	
10	QPSK	25	25	16.69	16.17	16.33			
10	QPSK	50	0	16.76	16.02	16.31			
10	QPSK	50	12	16.82	16.02	16.31	17.5	0	
10	HQAM	1	0	16.66	16.03	16.31	17.5	0	
10	HQAM	1	25	16.62	16.07	16.26			
10	HQAM	1	50	16.63	16.07	16.26			
10	HQAM	25	0	16.82	16.02	16.26			
10	HQAM	25	12	16.86	16.02	16.34	17.5	0	
10	HQAM	25	25	16.72	16.02	16.26			
10	HQAM	50	0	16.81	16.11	16.28			
10	HQAM	50	12	16.79	16.04	16.28	17.5	0	
10	HQAM	50	25	16.70	16.04	16.30			
10	HQAM	1	0	16.70	16.04	16.30			
10	HQAM	1	40	16.76	16.10	16.29	17.5	0	
10	HQAM	1	80	16.75	16.10	16.27			
10	HQAM	25	0	16.82	16.06	16.31			
10	HQAM	25	12	16.86	16.06	16.31	17.5	0	
10	HQAM	25	25	16.71	16.06	16.31			
10	HQAM	50	0	16.82	16.26	16.31			
10	HQAM	50	12	16.86	16.26	16.31	17.5	0	
10	SSBQAM	1	0	14.30	14.67	15.08	16	1.5	
10	SSBQAM	1	40	14.32	14.67	15.08			
10	SSBQAM	1	80	14.27	14.67	15.08			
10	SSBQAM	25	0	14.27	14.60	14.97	16	1.5	
10	SSBQAM	25	12	14.51	14.61	14.95			
10	SSBQAM	25	25	14.38	14.61	14.95	16	1.5	
Channel									
Frequency (MHz)				20970.5	21500	21425	16dBc int. (dBm)	M	
5	QPSK	1	0	16.84	16.26	16.46			
5	QPSK	1	12	16.85	16.26	16.46	17.5	0	
5	QPSK	1	24	16.81	16.21	16.43			
5	QPSK	12	0	16.78	16.21	16.38			
5	QPSK	12	12	16.79	16.21	16.37	17.5	0	
5	QPSK	12	24	16.70	16.07	16.24			
5	QPSK	25	0	16.77	16.17	16.38			
5	QPSK	25	12	16.78	16.17	16.38	17.5	0	
5	HQAM	1	0	16.66	16.06	16.27	17.5	0	
5	HQAM	1	12	16.71	16.06	16.27			
5	HQAM	1	24	16.72	16.15	16.28			
5	HQAM	12	0	16.72	16.15	16.28			
5	HQAM	12	12	16.73	16.15	16.28	17.5	0	
5	HQAM	12	24	16.66	16.02	16.32			
5	HQAM	25	0	16.70	16.06	16.38			
5	HQAM	25	12	16.72	16.06	16.38	17.5	0	
5	HQAM	25	24	16.68	16.11	16.38			
5	HQAM	1	0	16.68	16.11	16.38			
5	HQAM	1	12	16.74	16.13	16.23	17.5	0	
5	HQAM	1	24	16.73	16.13	16.23			
5	HQAM	12	0	16.66	16.15	16.38			
5	HQAM	12	12	16.68	16.15	16.38	17.5	0	
5	HQAM	12	24	16.64	16.13	16.28			
5	SSBQAM	1	0	14.24	14.71	15.02			
5	SSBQAM	1	12	14.25	14.71	15.02	16	1.5	
5	SSBQAM	1	24	14.25	14.68	15.02			
5	SSBQAM	12	0	14.25	14.68	15.02			
5	SSBQAM	12	12	14.50	14.68	15.11	16	1.5	

Band 12_Ant 1														
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turnup Int. (dBm)	MFR (dB)						
Channel														
Frequency (MHz)				23005	23005	23130								
10	QPSK	1	0	22.85	22.89	22.94	23.8	0						
10	QPSK	1	25	22.73	22.80	22.87								
10	QPSK	1	49	22.73	22.80	22.87								
10	QPSK	25	0	22.25	22.33	22.38								
10	QPSK	25	12	22.25	22.17	22.16								
10	QPSK	25	25	22.32	22.35	22.25	23.3	0.5						
10	QPSK	50	0	22.27	22.30	22.23								
10	HQAM	1	0	22.63	22.63	22.54								
10	HQAM	1	25	22.45	22.42	22.58								
10	HQAM	1	49	22.79	22.81	22.96								
10	HQAM	25	0	21.67	21.64	21.68	22.8	1						
10	HQAM	25	12	21.72	21.62	21.70								
10	HQAM	25	25	21.79	21.80	21.74								
10	HQAM	50	0	21.77	21.64	21.79								
10	HQAM	50	0	21.59	21.58	21.58								
10	HQAM	1	25	21.50	21.52	21.50	22.8	1						
10	HQAM	1	49	21.35	21.33	21.47								
10	HQAM	25	0	20.70	20.64	20.65								
10	HQAM	25	12	20.74	20.59	20.70								
10	HQAM	25	25	20.74	20.70	20.68								
10	HQAM	50	0	20.71	20.66	20.72	21.8	2						
10	SSBQM	1	0	17.67	17.78	17.71								
10	SSBQM	1	25	17.62	17.65	17.69								
10	SSBQM	1	49	17.65	17.66	17.68								
10	SSBQM	25	0	17.68	17.74	17.59								
10	SSBQM	25	12	17.68	17.74	17.59	18.8	5						
10	SSBQM	25	25	17.62	17.74	17.64								
10	SSBQM	50	0	17.71	17.72	17.69								
Channel														
Frequency (MHz)														
				23005	23005	23130	Turnup Int. (dBm)	MFR (dB)						
5	QPSK	1	0	22.83	22.79	22.86	23.8	0						
5	QPSK	1	12	22.75	22.84	22.73								
5	QPSK	1	24	22.73	22.84	22.75								
5	QPSK	12	0	22.18	22.15	22.09								
5	QPSK	12	7	22.15	22.22	22.12								
5	QPSK	12	19	22.12	22.12	22.15	23.3	0.5						
5	QPSK	25	0	22.17	22.25	22.08								
5	HQAM	1	0	22.54	22.49	22.41								
5	HQAM	1	12	22.41	22.38	22.53								
5	HQAM	1	24	22.62	22.58	22.47								
5	HQAM	12	0	21.60	21.50	21.67	22.8	1						
5	HQAM	12	7	21.60	21.50	21.68								
5	HQAM	12	13	21.69	21.56	21.67								
5	HQAM	25	0	21.66	21.54	21.69								
5	HQAM	1	12	21.45	21.43	21.43								
5	HQAM	1	24	21.44	21.27	21.46	22.8	1						
5	HQAM	12	0	20.92	20.92	20.94								
5	HQAM	12	7	20.95	20.94	20.97								
5	HQAM	12	13	20.95	20.95	20.97								
5	HQAM	12	19	20.95	20.95	20.97								
5	HQAM	25	0	20.95	20.95	20.98	21.8	2						
5	SSBQM	1	0	17.59	17.71	17.51								
5	SSBQM	1	12	17.58	17.65	17.58								
5	SSBQM	1	24	17.57	17.65	17.41								
5	SSBQM	12	0	17.63	17.65	17.44								
5	SSBQM	12	7	17.64	17.65	17.45	18.8	5						
5	SSBQM	12	13	17.61	17.62	17.55								
5	SSBQM	25	0	17.57	17.70	17.64								
Channel														
Frequency (MHz)														
				23005	23005	23130			Turnup Int. (dBm)	MFR (dB)				
3	QPSK	1	0	22.85	22.87	22.98	23.8	0						
3	QPSK	1	8	22.72	22.86	22.83								
3	QPSK	1	14	22.70	22.75	22.76								
3	QPSK	8	0	22.32	22.32	22.11								
3	QPSK	8	4	22.21	22.11	22.13								
3	QPSK	8	7	22.10	22.04	22.17	23.3	0.5						
3	QPSK	15	0	22.13	22.16	22.15								
3	HQAM	1	0	22.48	22.43	22.39								
3	HQAM	1	8	22.48	22.28	22.46								
3	HQAM	1	14	22.59	22.48	22.41								
3	HQAM	8	0	21.54	21.53	21.61	22.8	1						
3	HQAM	8	4	21.68	21.55	21.62								
3	HQAM	8	7	21.69	21.47	21.70								
3	HQAM	15	0	21.66	21.63	21.67								
3	HQAM	1	0	21.43	21.52	21.55								
3	HQAM	1	8	21.45	21.41	21.37	22.8	1						
3	HQAM	1	14	21.25	21.19	21.33								
3	HQAM	8	0	20.59	20.55	20.57								
3	HQAM	8	4	20.70	20.50	20.69								
3	HQAM	15	0	20.65	20.62	20.57								
3	HQAM	15	0	20.65	20.54	20.64	21.8	2						
3	SSBQM	1	0	17.63	17.69	17.54								
3	SSBQM	1	8	17.66	17.68	17.46								
3	SSBQM	1	14	17.56	17.60	17.48								
3	SSBQM	8	0	17.67	17.67	17.47								
3	SSBQM	8	4	17.65	17.62	17.47	18.8	5						
3	SSBQM	8	7	17.52	17.73	17.53								
3	SSBQM	15	0	17.68	17.67	17.58								
Channel														
Frequency (MHz)														
				23017	23017	23163			Turnup Int. (dBm)	MFR (dB)				
1.4	QPSK	1	0	22.85	22.71	22.54	23.8	0						
1.4	QPSK	1	3	22.72	22.75	22.82								
1.4	QPSK	1	5	22.72	22.74	22.70								
1.4	QPSK	3	0	22.71	22.85	22.55								
1.4	QPSK	3	1	22.74	22.74	22.78								
1.4	QPSK	3	3	22.73	22.73	22.68	23.3	0.5						
1.4	QPSK	6	0	22.34	22.17	22.22								
1.4	HQAM	1	0	22.50	22.41	22.44								
1.4	HQAM	1	3	22.41	22.38	22.56								
1.4	HQAM	1	5	22.69	22.61	22.49								
1.4	HQAM	1	0	22.49	22.40	22.42	23.3	0.5						
1.4	HQAM	1	3	22.38	22.39	22.56								
1.4	HQAM	3	0	22.71	22.62	22.43								
1.4	HQAM	6	0	21.66	21.59	21.72								
1.4	HQAM	1	0	21.40	21.46	21.46								
1.4	HQAM	1	3	21.49	21.39	21.45	22.8	1						
1.4	HQAM	1	5	21.24	21.29	21.33								
1.4	HQAM	3	0	21.41	21.48	21.43								
1.4	HQAM	3	1	21.49	21.48	21.47								
1.4	HQAM	6	0	20.67	20.53	20.58								
1.4	HQAM	6	0	20.67	20.54	20.64	21.8	2						
1.4	SSBQM	1	0	17.63	17.69	17.54								
1.4	SSBQM	1	3	17.66	17.68	17.46								
1.4	SSBQM	1	5	17.64	17.65	17.47								
1.4	SSBQM	3	0	17.72	17.74	17.48								
1.4	SSBQM	3	1	17.44	17.48	17.46	18.8	5						
1.4	SSBQM	3	3	17.60	17.71	17.59								
1.4	SSBQM	6	0	17.63	17.68	17.56								
1.4	SSBQM	6	0	17.60	17.71	17.59								
1.4	SSBQM	6	0	17.60	17.71	17.59								
1.4	SSBQM	6	0	17.60	17.71	17.59								

Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use (int/den)	MFR (dB)		
Channel										
Frequency (MHz)				22780	23560	23940				
				756	756	756				
10	QPSK	1	0	22.55	22.56	22.51				
10	QPSK	1	25	22.68	22.64	22.82	23.8	0		
10	QPSK	1	49	22.85	22.91	22.82				
10	QPSK	25	0	22.55	22.42	22.46				
10	QPSK	25	12	22.59	22.40	22.37	23.3	0.5		
10	QPSK	25	25	22.57	22.34	22.38				
10	QPSK	50	0	22.34	22.40	22.38				
10	QPSK	1	0	22.61	22.65	22.72				
10	QPSK	1	25	22.52	22.57	22.70	23.3	0.5		
10	QPSK	1	49	22.58	22.76	22.65				
10	QPSK	25	0	21.85	21.73	21.85				
10	QPSK	25	12	21.84	21.62	21.85				
10	QPSK	25	25	21.79	21.88	21.87	22.8	1		
10	QPSK	50	0	21.85	21.79	21.85				
10	QPSK	1	0	21.52	21.59	21.64				
10	QPSK	1	25	21.54	21.50	21.50	22.8	1		
10	QPSK	1	49	21.73	21.66	21.60				
10	QPSK	25	0	20.85	20.77	20.83				
10	QPSK	25	12	20.89	20.88	20.89	21.8	2		
10	QPSK	25	25	20.87	20.84	20.86				
10	QPSK	50	0	20.82	20.81	20.86				
10	SSBQAM	1	0	17.72	17.66	17.81				
10	SSBQAM	1	25	17.72	17.76	17.85	18.8	5		
10	SSBQAM	1	49	17.62	17.76	17.85				
10	SSBQAM	25	0	17.72	17.62	17.78				
10	SSBQAM	25	12	17.68	17.72	17.86	18.8	5		
10	SSBQAM	25	25	17.67	17.74	17.70				
10	SSBQAM	50	0	17.68	17.74	17.70				
Channel										
Frequency (MHz)				22785	23565	23945	Time-use (int/den)	MFR (dB)		
				766.5	766	766.5				
				111.5	111.5	111.5				
5	QPSK	1	0	22.77	22.71	22.77				
5	QPSK	1	12	22.89	22.83	22.77	23.8	0		
5	QPSK	1	24	22.71	22.87	22.87				
5	QPSK	12	0	22.28	22.36	22.38				
5	QPSK	12	7	22.31	22.37	22.89	23.3	0.5		
5	QPSK	12	13	22.35	22.22	22.34				
5	QPSK	25	0	22.24	22.27	22.32				
5	QPSK	1	0	22.58	22.62	22.70				
5	QPSK	1	12	22.39	22.46	22.57	23.3	0.5		
5	QPSK	1	24	22.51	22.63	22.58				
5	QPSK	12	0	21.72	21.58	21.76				
5	QPSK	12	7	21.70	21.74	21.80				
5	QPSK	12	13	21.77	21.83	21.73	22.8	1		
5	QPSK	25	0	21.70	21.73	21.78				
5	QPSK	1	0	21.49	21.53	21.59				
5	QPSK	1	12	21.52	21.46	21.45	22.8	1		
5	QPSK	1	24	21.66	21.62	21.69				
5	QPSK	12	0	20.77	20.82	20.82				
5	QPSK	12	7	20.84	20.80	20.79	21.8	2		
5	QPSK	12	13	20.81	20.89	20.82				
5	SSBQAM	1	0	17.64	17.71	17.70	18.8	5		
5	SSBQAM	1	24	17.59	17.67	17.80				
5	SSBQAM	12	0	17.68	17.79	17.77				
5	SSBQAM	12	7	17.44	17.61	17.54	18.8	5		
5	SSBQAM	12	13	17.68	17.62	17.68				
5	SSBQAM	25	0	17.61	17.69	17.68				

Band 17_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use (int/den)	MFR (dB)		
Channel										
Frequency (MHz)				22780	23560	23960				
				709	710	711				
10	QPSK	1	0	19.52	19.58	19.58				
10	QPSK	1	25	19.73	19.81	19.71	20.8	0		
10	QPSK	1	49	19.79	19.78	19.79				
10	QPSK	25	0	19.55	19.65	19.54				
10	QPSK	25	12	19.75	19.73	19.79	20.8	0		
10	QPSK	25	25	19.73	19.80	19.77				
10	QPSK	50	0	19.74	19.82	19.80				
10	QPSK	1	0	19.75	19.85	19.81				
10	QPSK	1	25	19.81	19.80	19.77	20.8	0		
10	QPSK	1	49	19.75	19.76	19.73				
10	QPSK	25	0	19.75	19.84	19.77				
10	QPSK	25	12	19.73	19.76	19.82	20.8	0		
10	QPSK	25	25	19.72	19.83	19.71				
10	QPSK	50	0	19.75	19.73	19.82				
10	QPSK	1	0	19.80	19.83	19.75	20.8	0		
10	QPSK	1	25	19.76	19.82	19.79				
10	QPSK	1	49	19.75	19.84	19.82				
10	QPSK	25	0	19.87	19.87	19.77				
10	QPSK	25	12	19.75	19.79	19.84	20.8	0		
10	QPSK	25	25	19.72	19.79	19.72				
10	QPSK	50	0	19.73	19.82	19.77				
10	SSBQAM	1	0	17.37	17.38	17.24				
10	SSBQAM	1	25	17.46	17.25	17.15	18.3	2.5		
10	SSBQAM	1	49	17.16	17.24	17.18				
10	SSBQAM	25	0	17.19	17.31	17.28				
10	SSBQAM	25	12	17.23	17.28	17.27	18.3	2.5		
10	SSBQAM	25	25	17.19	17.34	17.30				
10	SSBQAM	50	0	17.20	17.34	17.28				
Channel										
Frequency (MHz)				22785	23565	23965	Time-use (int/den)	MFR (dB)		
				766.5	766	766.5				
				111.5	111.5	111.5				
5	QPSK	1	0	19.79	19.79	19.79				
5	QPSK	1	12	19.80	19.89	19.58	20.8	0		
5	QPSK	1	24	19.74	19.85	19.78				
5	QPSK	12	0	19.65	19.82	19.79				
5	QPSK	12	7	19.62	19.67	19.73	20.8	0		
5	QPSK	12	13	19.67	19.73	19.84				
5	QPSK	25	0	19.63	19.72	19.76				
5	QPSK	1	0	19.72	19.74	19.77	20.8	0		
5	QPSK	1	12	19.72	19.73	19.75				
5	QPSK	1	24	19.64	19.81	19.83				
5	QPSK	12	0	19.67	19.80	19.89				
5	QPSK	12	7	19.68	19.85	19.74	20.8	0		
5	QPSK	12	13	19.67	19.72	19.68				
5	QPSK	25	0	19.68	19.83	19.78				
5	QPSK	1	0	19.73	19.82	19.81				
5	QPSK	1	12	19.54	19.70	19.72	20.8	0		
5	QPSK	1	24	19.75	19.80	19.71				
5	QPSK	12	0	19.67	19.74	19.68				
5	QPSK	12	7	19.62	19.77	19.76	20.8	0		
5	QPSK	12	13	19.65	19.80	19.83				
5	QPSK	25	0	19.59	19.75	19.88	20.8	0		
5	QPSK	1	0	17.27	17.28	17.14	18.3	2.5		
5	SSBQAM	1	24	17.06	17.17	17.05				
5	SSBQAM	12	0	17.68	17.21	17.14				
5	SSBQAM	12	7	17.30	17.28	17.24	18.3	2.5		
5	SSBQAM	12	13	17.17	17.31	17.16				
5	SSBQAM	25	0	17.07	17.25	17.12				

Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time-use (int/den)	MFR (dB)		
Channel										
Frequency (MHz)				24165	24365	24565				
				821.5	831.5	841.5				
15	QPSK	1	0	24.10	24.20	24.10				
15	QPSK	1	37	24.10	24.06	24.09	25	0		
15	QPSK	1	74	24.05	24.00	23.99				
15	QPSK	36	0	23.85	23.87	23.92				
15	QPSK	36	20	23.60	23.56	23.54	24.5	0.5		
15	QPSK	36	39	23.67	23.62	23.64				
15	QPSK	75	0	23.55	23.61	23.55				
15	QPSK	1	0	23.62	23.60	23.65				
15	QPSK	1	37	23.61	23.67	23.60	24.5	0.5		
15	QPSK	1	74	23.59	23.57	23.59				
15	QPSK	36	20	23.55	23.50	23.51	24	1		
15	QPSK	36	39	23.62	23.58	23.60				
15	QPSK	75	0	23.52	23.57	23.57				
15	QPSK	1	0	23.71	22.98	22.96				
15	QPSK	1	37	23.69	22.95	22.97	24	1		
15	QPSK	1	74	23.59	22.90	22.98				
15	QPSK	36	0	23.58	22.94	22.98				
15	QPSK	36	20	23.33	22.87	22.93	23			
15	QPSK	36	39	23.17	22.95	22.94				
15	QPSK	75	0	22.97	21.94	22.00				
15	QPSK	1	0	23.82	18.93	18.87				
15	QPSK	1	37	23.82	18.95	18.88	20	5		
15	QPSK	1	74	23.80	18.93	18.87				
15	QPSK	36	0	23.80	18.93	18.87				
15	QPSK	36	20	23.80	19.03	18.91	20	5		
15	QPSK	36	39	23.80	18.94	18.90				
15	QPSK	75	0	23.80	18.92	18.88				
Channel										
Frequency (MHz)				24140	24340	24540	Time-use (int/den)	MFR (dB)		
15	QPSK	1	0	24.00	24.00	23.99				
15	QPSK	1	37	24.00	23.96	23.99	25	0		
15	QPSK	1	74	24.02	23.97	23.99				
15	QPSK	36	0	23.80	23.86	23.86				
15	QPSK	36	20	23.55	23.51	23.51	24.5	0.5		
15	QPSK	36	39	23.44	23.43	23.46				
15	QPSK	75	0	23.53	23.71	23.53				
15	QPSK	1	0	23.61	23.81	23.52	24.5	0.5		
15	QPSK	1	37	23.61	23.87	23.52				
15	QPSK	1	74	23.54	23.67	23.52				
15	QPSK	36	0	23.54	23.67	23.52				
15	QPSK	36	20	23.29	22.87	22.96	24	1		
15	QPSK	36	39	22.99	22.85	22.98				
15	QPSK	75	0	22.96	22.88	22.91				
15	QPSK	1	0	22.98	22.88	22.91				
15	QPSK	1	37	22.98	22.88	22.91				
15	QPSK	1	74	22.95	22.75	22.74				
15	QPSK	36	0	22.91	22.83	22.86				
15	QPSK	36	20	22.66	22.80	22.81	23	2		
15	QPSK	36	39	22.66	22.81	22.86				
15	QPSK	75	0	22.66	22.81	22.86				
15	QPSK	1	0	23.72	18.95	18.77				
15	QPSK	1	37	23.72	18.97	18.77	20	5		
15	QPSK	1	74	23.70	18.93	18.83				
15	QPSK	36	0	23.70	18.93	18.83				
15	QPSK	36	20	23.70	18.95	18.87	20	5		
15	QPSK	36	39	23.70	18.93	18.83				
15	QPSK	75	0	23.70	18.93	18.83				
Channel										
Frequency (MHz)				24165	24365	24565	Time-use (int/den)	MFR (dB)		
15	QPSK	1	0	24.01	23.87	23.84				
15	QPSK	1	37	24.01	23.87	23.84	25	0		
15	QPSK	1	74	23.98	23.90	23.91				
15	QPSK	36	0	23.75	23.96	23.96				
15	QPSK	36	20	23.50	23.86	23.86	24.5	0.5		
15	QPSK	36	39	23.42	23.84	23.86				
15	QPSK	75	0	23.52	23.40	23.38				
15	QPSK	1	0	23.47	23.44	23.45				
15	QPSK	1	37	23.47	23.44	23.45	24.5	0.5		
15	QPSK	1	74	23.41	23.30	23.40				
15	QPSK	36	0	23.39	23.36	23.36				
15	QPSK	36	20	23.09	22.85	22.90	24	1		
15	QPSK	36	39	22.98	22.90	22.96				
15	QPSK	75	0	23.01	22.85	22.81				
15	QPSK	1	0	23.02	22.81	22.82				
15	QPSK	1	37	23.03	22.87	22.86				
15	QPSK	1	74	23.01	22.83	22.81	24	1		
15	QPSK	36	0	22.95	22.75	22.76				
15	QPSK	36	20	22.65	22.78	22.80	23	2		
15	QPSK	36	39	22.65	22.78	22.80				
15	QPSK	75	0	22.65	22.78	22.80				
15	QPSK	1	0	23.72	18.90	18.77				
15	QPSK	1	37	23.72	18.92	18.77	20	5		
15	QPSK	1	74	23.70	18.88	18.77				
15	QPSK	36	0	23.70	18.88	18.77				
15	QPSK	36	20	23.70	18.90	18.86	20	5		
15	QPSK	36	39	23.70	18.88	18.86				
15	QPSK	75	0	23.70	18.88	18.86				
Channel										
Frequency (MHz)				24227	24385	24543	Time-use (int/den)	MFR (dB)		
14	QPSK	1	0	24.00	23.96	24.02				
14	QPSK	1	37	24.00	23.96	24.02	25	0		
14	QPSK	1	74	24.02	23.98	24.01				
14	QPSK	36	0	23.80	23.96	23.93				
14	QPSK	36	20	23.55	23.92	23.93	24.5	0.5		
14	QPSK	36	39	23.44	23.94	23.93				
14	QPSK	75	0	23.53	23.91	23.90				
14	QPSK	1	0	23.37	23.91	23.90	24	1		
14	QPSK	1	37	23.37	23.91	23.90				
14	QPSK	1	74	23.35	23.76	23.45				
14	QPSK	36	0	23.58	23.72	23.61	24.5	0.5		
14	QPSK	36	20	23.33	23.74	23.39				
14	QPSK	36	39	23.28	23.72	23.61				
14	QPSK	75	0	23.28	23.72	23.61	24	1		
14	QPSK	1	0	22.84	22.74	22.83				
14	QPSK	1	37	22.81	22.66	22.77	24	1		
14	QPSK	1	74	22.79	22.59	22.68				
14	QPSK	36	0	22.56	22.68	22.77				
14	QPSK	36	20	22.51	22.64	22.70	24	1		
14	QPSK	36	39	22.51	22.64	22.70				
14	QPSK	75	0	22.51	22.64	22.70				
14	QPSK	1	0	22.00	21.81	21.87	23	2		
14	QPSK	1	37	22.00	21.81	21.87				
14	QPSK	1	74	21.99	21.80	21.86				
14	QPSK	36	0	21.99	21.80	21.86				
14	QPSK	36	20	21.99	21.82	21.86	20	5		
14	QPSK	36	39	21.99	21.82	21.86				
14	QPSK	75	0	21.99	21.82	21.86				
14	QPSK	1	0	18.78	18.78	18.85				
14	QPSK	1	37	18.78	18.78	18.85	20	5		
14	QPSK	1	74	18.78	18.78	18.85				
14	QPSK	36	0	18.78	18.78	18.85				
14	QPSK	36	20	18.78	18.80	18.85	20	5		
14	QPSK	36	39	18.78	18.80	18.85				
14	QPSK	75	0	18.78	18.80	18.85				
14	QPSK	1	0	18.74	18.81	18.85				

Band 66_Ant 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Time-use (min)	APR (dB)			
Channel											
Frequency (MHz)				17072	17072	17072					
20	QPSK	1	0	24.35	24.30	24.32	25	0			
20	QPSK	1	40	24.22	24.26	24.15					
20	QPSK	1	80	24.03	24.10	24.10					
20	QPSK	50	0	23.35	23.32	23.26					
20	QPSK	50	24	23.52	23.32	23.20					
20	QPSK	50	50	23.26	23.32	23.20	24.5	0.5			
20	QPSK	100	0	23.23	23.32	23.25					
20	HQDM	1	0	23.80	23.83	23.79					
20	HQDM	1	40	23.71	23.79	23.73					
20	HQDM	1	80	23.73	23.71	23.84					
20	HQDM	50	0	22.75	22.80	22.84	24	1			
20	HQDM	50	24	22.72	22.72	22.80					
20	HQDM	50	50	22.74	22.70	22.88					
20	HQDM	100	0	22.75	22.76	22.70					
20	HQDM	1	0	22.96	22.88	22.83					
20	HQDM	1	40	22.96	22.76	22.74	24	1			
20	HQDM	1	80	22.96	22.77	22.82					
20	HQDM	50	0	22.23	22.92	22.26					
20	HQDM	50	24	22.32	22.29	22.24					
20	HQDM	50	50	22.21	22.26	22.17					
20	HQDM	100	0	22.26	22.24	22.32	23	2			
20	HQDM	1	0	19.10	19.12	19.07					
20	HQDM	1	40	18.91	18.95	18.92					
20	HQDM	1	80	18.91	18.94	18.91					
20	HQDM	50	0	18.90	18.98	18.91					
20	HQDM	50	24	18.95	18.96	18.92	20	5			
20	HQDM	50	50	18.95	18.96	18.92					
20	HQDM	100	0	18.93	18.94	18.97					
20	HQDM	1	0	18.84	18.95	18.92					
Channel				17074	17072	17072	Time-use (min)	APR (dB)			
Frequency (MHz)				1717.4	1716.5	1717.3					
15	QPSK	1	0	24.19	24.20	24.14	25	0			
15	QPSK	1	37	24.14	24.23	24.08					
15	QPSK	1	74	24.08	23.95	24.13					
15	QPSK	36	0	23.25	23.30	23.25					
15	QPSK	36	20	23.24	23.19	23.25					
15	QPSK	36	36	23.18	23.22	23.18	24.5	0.5			
15	QPSK	75	0	23.18	23.17	23.10					
15	HQDM	1	0	23.97	23.84	23.98					
15	HQDM	1	37	23.81	23.87	23.80					
15	HQDM	1	74	23.78	23.82	23.76					
15	HQDM	36	0	22.75	22.75	22.71	24	1			
15	HQDM	36	20	22.65	22.66	22.75					
15	HQDM	36	36	22.72	22.68	22.55					
15	HQDM	75	0	22.68	22.67	22.58					
15	HQDM	1	0	22.83	22.75	22.78					
15	HQDM	1	37	22.81	22.70	22.82	24	1			
15	HQDM	1	74	22.76	22.70	22.87					
15	HQDM	36	0	22.15	22.18	22.21					
15	HQDM	36	20	22.20	22.25	22.21					
15	HQDM	36	36	22.06	22.02	22.12					
15	HQDM	75	0	22.16	22.18	22.22	23	2			
15	HQDM	1	0	19.02	19.00	19.05					
15	HQDM	1	37	18.81	18.91	18.88					
15	HQDM	1	74	18.83	18.91	18.86					
15	HQDM	36	0	18.90	18.97	18.86					
15	HQDM	36	20	18.90	18.97	18.84	20	5			
15	HQDM	36	36	18.95	18.94	18.87					
15	HQDM	75	0	18.78	18.91	18.94					
15	HQDM	1	0	18.78	18.85	18.80					
Channel				17072	17072	17072	Time-use (min)	APR (dB)			
Frequency (MHz)				1717.4	1716.5	1717.3					
10	QPSK	1	0	24.11	24.11	24.04	25	0			
10	QPSK	1	25	24.23	24.28	24.19					
10	QPSK	1	40	23.33	24.02	23.63					
10	QPSK	25	0	23.21	23.32	23.26					
10	QPSK	25	12	23.30	23.31	23.25					
10	QPSK	25	25	23.23	23.32	23.08	24.5	0.5			
10	QPSK	50	0	23.14	23.24	23.11					
10	HQDM	1	0	23.88	23.86	23.82					
10	HQDM	1	25	23.82	23.87	23.86					
10	HQDM	1	40	23.82	23.76	23.76					
10	HQDM	25	0	22.77	22.75	22.78	24	1			
10	HQDM	25	12	22.65	22.59	22.75					
10	HQDM	25	25	22.59	22.67	22.62					
10	HQDM	50	0	22.68	22.67	22.69					
10	HQDM	1	0	22.88	22.80	22.73					
10	HQDM	1	25	22.78	22.83	22.58	24	1			
10	HQDM	1	40	22.82	22.74	22.70					
10	HQDM	25	0	22.11	22.24	22.26					
10	HQDM	25	12	22.21	22.23	22.16					
10	HQDM	25	25	22.08	22.16	22.04					
10	HQDM	50	0	22.14	22.11	22.31	23	2			
10	HQDM	1	0	19.04	18.99	19.03					
10	HQDM	1	25	18.75	18.86	18.79					
10	HQDM	1	40	18.75	18.93	18.88					
10	HQDM	25	0	18.90	18.98	18.78					
10	HQDM	25	12	18.97	18.97	18.86	20	5			
10	HQDM	25	25	18.85	18.92	18.82					
10	HQDM	50	0	18.73	18.88	18.94					
Channel				17167	17072	17072	Time-use (min)	APR (dB)			
Frequency (MHz)				1712.5	1716.5	1717.3					
5	QPSK	1	0	24.18	24.15	24.03	25	0			
5	QPSK	1	12	24.11	24.19	24.20					
5	QPSK	1	24	23.33	23.95	23.13					
5	QPSK	12	0	23.29	23.35	23.23					
5	QPSK	12	7	23.24	23.39	23.19					
5	QPSK	12	13	23.11	23.13	23.07	24.5	0.5			
5	QPSK	25	0	23.15	23.22	23.16					
5	HQDM	1	0	23.95	24.02	23.86					
5	HQDM	1	12	23.77	23.98	23.81					
5	HQDM	1	24	23.80	23.77	23.80					
5	HQDM	12	0	22.76	22.72	22.81	24	1			
5	HQDM	12	7	22.66	22.71	22.70					
5	HQDM	12	13				23	2			
5	HQDM	25	0	22.70	22.70	22.70					
5	HQDM	25	12	22.25	22.19	22.26	20	5			
5	HQDM	25	25	22.22	22.17	22.22					
5	HQDM	50	0	21.83	21.90	21.86					
5	HQDM	1	0	18.76	18.85	18.82					
5	HQDM	1	12	18.81	18.93	18.88					
5	HQDM	1	24	18.84	18.93	18.86	20	5			
5	HQDM	12	0	18.91	18.85	18.86					
5	HQDM	12	7	18.85	18.93	18.88					
Channel				17167	17072	17072	Time-use (min)	APR (dB)			
Frequency (MHz)				1711.5	1716.5	1717.3					
3	QPSK	1	0	24.10	24.22	24.08	25	0			
3	QPSK	1	12	24.03	24.29	24.20					
3	QPSK	1	14	23.96	24.07	24.06					
3	QPSK	8	0	23.31	23.39	23.24					
3	QPSK	8	20	23.29	23.35	23.25					
3	QPSK	15	0	23.15	23.21	23.12	24.5	0.5			
3	QPSK	15	7	23.10	23.21	23.12					
3	HQDM	1	0	23.86	23.90	23.86					
3	HQDM	1	14	23.87	23.76	23.83					
3	HQDM	8	0	22.70	22.70	22.77					
3	HQDM	8	4	22.68	22.68	22.72	24	1			
3	HQDM	8	7	22.81	22.61	22.69					
3	HQDM	15	0	22.68	22.68	22.68	23	2			
3	HQDM	15	7	22.74	22.74	22.74					
3	HQDM	15	14	22.59	22.24	22.22					
3	HQDM	8	4	22.26	22.14	22.14					
3	HQDM	15	0	22.19	22.20	22.25					
3	HQDM	1	0	19.05	19.05	19.05	20	5			
3	HQDM	1	14	18.86	18.90	18.88					
3	HQDM	1	28	18.84	18.91	18.88					
3	HQDM	8	0	18.90	18.93	18.81					
3	HQDM	8	7	18.83	19.01	18.94					
3	HQDM	15	0	18.75	18.82	18.79	20	5			
3	HQDM	15	7	18.82	18.90	18.88					
3	HQDM	15	14	18.84	18.94	18.77					
Channel				17167	17072	17072	Time-use (min)	APR (dB)			
Frequency (MHz)				1716.7	1716.5	1717.3					
1.4	QPSK	1	0	24.19	24.21	24.14	25	0			
1.4	QPSK	1	12	24.11	24.19	24.20					
1.4	QPSK	1	5.6	23.93	23.99	23.82					
1.4	QPSK	3	0	24.20	24.15	24.04					
1.4	QPSK	3	11.2	24.22	24.22	24.21					
1.4	QPSK	6	0	23.18	23.17	23.14	24.5	0.5			
1.4	QPSK	6	3.3	23.07	23.08	23.09					
1.4	HQDM	1	0	23.78	23.88	23.79					
1.4	HQDM	1	5.6	23.82	23.73	23.73					
1.4	HQDM	3	0	23.80	23.83	23.87					
1.4	HQDM	3	5.6	23.78	23.76	23.82	24	1			
1.4	HQDM	6	0	22.88	22.80	22.82					
1.4	HQDM	6	11.2	22.84	22.74	22.64					
1.4	HQDM	1	0	22.91	22.84	22.64					
1.4	HQDM	1	5.6	22.90	22.85	22.68					
1.4	HQDM	3	0	22.84	22.82	22.77	23	2			
1.4	HQDM	6	0	22.18	22.22	22.28					
1.4	HQDM	6	11.2	22.22	22.22	22.22					
1.4	HQDM	1	0	19.04	19.06	19.06					
1.4	HQDM	1	5.6	18.84	18.94	18.91					
1.4	HQDM	3	0	18.82	19.02	18.98	20	5			
1.4	HQDM	3	5.6	18.84	19.04	18.77					
1.4	HQDM	6	0	18.81	18.94	18.91					
1.4	HQDM	3	3.3	18.82	18.90	18.91					

Band 66_Ant 11											
WV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turnup time (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
17020 17465 17760											
20	QPSK	1	0	20.15	20.10	20.18	20.0	0			
20	QPSK	1	40	20.07	20.18	20.17					
20	QPSK	1	80	20.13	20.15	20.15					
20	QPSK	50	0	20.12	20.18	20.18					
20	QPSK	50	24	20.07	20.08	20.08					
20	QPSK	50	50	20.12	20.09	20.15	20.0	0			
20	QPSK	100	0	20.05	20.12	20.03					
20	HQDM	1	0	20.05	20.17	20.04					
20	HQDM	1	40	20.07	20.09	20.10					
20	HQDM	1	80	20.01	20.15	20.10					
20	HQDM	50	0	20.05	20.13	20.09	20.0	0			
20	HQDM	50	24	20.10	20.09	20.14					
20	HQDM	50	50	20.06	20.06	20.14					
20	HQDM	100	0	20.06	20.10	20.05					
20	HQDM	1	0	20.15	20.11	20.14					
20	HQDM	1	40	20.05	20.05	20.17	20.0	0			
20	HQDM	1	80	20.05	20.10	20.15					
20	HQDM	50	0	20.05	20.10	20.08					
20	HQDM	50	24	20.05	20.08	20.04					
20	HQDM	50	50	20.07	20.08	20.09					
20	HQDM	100	0	20.04	20.10	20.16	20.0	0			
20	HQDM	1	0	18.62	18.68	18.81					
20	HQDM	1	40	18.65	18.64	18.58					
20	HQDM	1	80	18.63	18.68	18.62					
20	HQDM	50	0	18.57	18.65	18.68					
20	HQDM	50	24	18.63	18.68	18.59	19.4	1.5			
20	HQDM	50	50	18.65	18.63	18.61					
20	HQDM	100	0	18.59	18.69	18.57					
Channel											
Frequency (MHz)											
17020 17465 17760											
15	QPSK	1	0	20.00	20.17	20.11	20.0	0			
15	QPSK	1	37	20.04	20.05	20.14					
15	QPSK	1	74	20.04	20.12	20.10					
15	QPSK	36	0	20.07	20.16	20.11					
15	QPSK	36	20	19.92	20.05	20.03					
15	QPSK	36	39	20.07	20.07	20.12	20.0	0			
15	QPSK	75	0	20.02	20.03	19.98					
15	HQDM	1	0	19.93	20.07	19.91					
15	HQDM	1	37	19.92	20.02	20.02					
15	HQDM	1	74	19.96	20.03	19.97					
15	HQDM	36	0	19.97	20.10	20.00	20.0	0			
15	HQDM	36	20	20.06	19.97	20.13					
15	HQDM	36	39	20.03	19.98	20.01					
15	HQDM	75	0	20.00	20.06	19.92					
15	HQDM	1	0	20.04	20.00	20.04					
15	HQDM	1	37	19.92	19.93	20.13	20.0	0			
15	HQDM	1	74	20.06	19.97	20.09					
15	HQDM	36	0	19.92	20.11	20.05					
15	HQDM	36	20	19.95	19.93	19.95					
15	HQDM	36	39	19.95	20.02	20.08					
15	HQDM	75	0	19.95	20.04	20.08	20.0	0			
15	HQDM	1	0	18.59	18.59	18.57					
15	HQDM	1	37	18.61	18.61	18.45					
15	HQDM	1	74	18.45	18.67	18.57					
15	HQDM	36	0	18.43	18.62	18.57					
15	HQDM	36	20	18.58	18.58	18.49	19.4	1.5			
15	HQDM	36	39	18.44	18.52	18.57					
15	HQDM	75	0	18.57	18.65	18.48					
Channel											
Frequency (MHz)											
17020 17465 17760											
15	QPSK	1	0	20.04	20.07	20.03	20.0	0			
10	QPSK	1	25	20.08	20.04	20.10					
10	QPSK	1	49	20.03	20.12	20.13					
10	QPSK	25	0	20.03	20.07	20.06					
10	QPSK	25	12	20.03	19.96	19.94					
10	QPSK	25	25	20.00	19.98	20.14	20.0	0			
10	QPSK	50	0	20.00	20.06	19.96					
10	HQDM	1	0	19.97	20.16	19.99					
10	HQDM	1	25	19.98	19.95	19.95					
10	HQDM	1	49	19.90	20.04	20.07					
10	HQDM	25	0	20.07	20.08	20.03	20.0	0			
10	HQDM	25	12	19.97	20.01	20.10					
10	HQDM	25	25	19.92	20.04	20.13					
10	HQDM	50	0	20.04	20.12	20.02					
10	HQDM	1	0	20.04	20.02	20.08					
10	HQDM	1	25	19.98	19.98	20.08	20.0	0			
10	HQDM	49	20.00	20.09	20.10						
10	HQDM	25	0	20.00	20.05	19.94					
10	HQDM	25	12	20.00	20.00	20.02					
10	HQDM	25	25	19.96	20.06	19.95					
10	HQDM	50	0	20.00	20.09	20.01	20.0	0			
10	HQDM	1	0	18.59	18.57	18.52					
10	HQDM	1	49	18.63	18.66	18.51					
10	HQDM	1	49	18.45	18.68	18.51					
10	HQDM	25	0	18.44	18.59	18.53					
10	HQDM	25	12	18.59	18.58	18.52	19.4	1.5			
10	HQDM	25	25	18.53	18.58	18.52					
10	HQDM	50	0	18.47	18.63	18.54					
Channel											
Frequency (MHz)											
17020 17465 17760											
5	QPSK	1	0	20.12	20.05	20.09	20.0	0			
5	QPSK	1	12	19.98	20.13	20.02					
5	QPSK	1	24	19.97	20.10	20.10					
5	QPSK	12	0	20.10	20.09	20.08					
5	QPSK	12	7	19.95	20.02	20.05					
5	QPSK	12	13	19.95	19.95	20.05	20.0	0			
5	QPSK	25	0	20.00	20.07	19.98					
5	HQDM	1	0	19.95	20.12	19.92					
5	HQDM	1	12	19.94	19.99	20.08					
5	HQDM	1	24	19.92	20.13	20.09					
5	HQDM	12	0	20.02	20.09	20.00	20.0	0			
5	HQDM	12	7	20.06	19.91	20.05					
5	HQDM	12	13	20.01	19.94	20.00					
5	HQDM	25	0	19.96	20.16	19.93					
5	HQDM	1	0	20.11	20.05	20.04					
5	HQDM	1	12	19.91	19.93	20.02	20.0	0			
5	HQDM	1	24	20.00	20.09	20.05					
5	HQDM	12	0	19.97	20.12	19.97					
5	HQDM	12	7	19.99	19.96	19.95					
5	HQDM	12	13	20.00	19.96	19.94					
5	HQDM	25	0	20.00	20.09	20.09	20.0	0			
5	HQDM	1	0	18.59	18.55	18.53					
5	HQDM	1	12	18.63	18.54	18.48					
5	HQDM	1	24	18.57	18.59	18.59					
5	HQDM	12	0	18.53	18.58	18.63					
5	HQDM	12	7	18.52	18.63	18.53	19.4	1.5			
5	HQDM	12	13	18.49	18.58	18.50					
5	HQDM	25	0	18.54	18.59	18.53					
Channel											
Frequency (MHz)											
17020 17465 17760											
3	QPSK	1	0	20.14	20.10	20.18	20.0	0			
3	QPSK	1	8	19.92	20.04	20.09					
3	QPSK	1	14	20.07	20.07	20.10					
3	QPSK	6	0	20.08	20.06	20.08					
3	QPSK	6	4	19.99	19.97	19.93					
3	QPSK	6	7	20.00	19.97	20.03	20.0	0			
3	QPSK	16	0	19.94	20.02	19.92					
3	HQDM	1	0	19.95	20.02	19.90					
3	HQDM	1	8	19.94	20.05	19.95					
3	HQDM	1	14	19.94	20.02	19.95					
3	HQDM	6	0	19.94	20.01	20.07	20.0	0			
3	HQDM	6									

Band 66_Ant 7											
WV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turnup time (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
17020 17465 17760											
20	QPSK	1	0	19.10	19.03	19.18	16.8	0			
20	QPSK	1	40	19.07	19.18	19.17					
20	QPSK	1	80	19.13	19.15	19.15					
20	QPSK	50	0	19.12	19.18	19.18					
20	QPSK	50	24	19.07	19.08	19.08					
20	QPSK	50	50	19.12	19.09	19.15	16.8	0			
20	QPSK	100	0	19.05	19.12	19.03					
20	HQDM	1	0	19.05	19.17	19.04					
20	HQDM	1	40	19.07	19.09	19.10					
20	HQDM	1	80	19.01	19.15	19.10					
20	HQDM	50	0	19.05	19.13	19.09	16.8	0			
20	HQDM	50	24	19.10	19.09	19.14					
20	HQDM	50	50	19.06	19.06	19.14					
20	HQDM	100	0	19.06	19.10	19.05					
20	HQDM	1	0	19.15	19.11	19.14					
20	HQDM	1	40	19.05	19.05	19.17	16.8	0			
20	HQDM	1	80	19.05	19.10	19.15					
20	HQDM	50	0	19.05	19.10	19.08					
20	HQDM	50	24	19.05	19.08	19.04					
20	HQDM	50	50	19.07	19.08	19.09					
20	HQDM	100	0	19.04	19.10	19.16	16.8	0			
20	HQDM	1	0	15.45	15.48	15.52					
20	HQDM	1	40	15.48	15.48	15.38					
20	HQDM	1	80	15.46	15.48	15.43					
20	HQDM	50	0	15.42	15.49	15.48					
20	HQDM	50	24	15.47	15.48	15.37	16.8	0			
20	HQDM	50	50	15.49	15.48	15.38					
20	HQDM	100	0	15.43	15.53	15.37					
Channel											
Frequency (MHz)											
17020 17465 17760											
15	QPSK	1	0	19.40	19.37	19.48	16.8	0			
15	QPSK	1	37	19.40	19.37	19.43					
15	QPSK	1	74	19.40	19.48	19.43					
15	QPSK	36	0	19.36	19.51	19.47					
15	QPSK	36	20	19.39	19.40	19.41					
15	QPSK	36	39	19.42	19.36	19.37	16.8	0			
15	QPSK	75	0	19.32	19.44	19.37					
15	HQDM	1	0	19.41	19.50	19.37					
15	HQDM	1	37	19.38	19.44	19.35					
15	HQDM	1	74	19.40	19.46	19.39					
15	HQDM	36	0	19.46	19.39	19.50	16.8	0			
15	HQDM	36	20	19.34	19.42	19.48					
15	HQDM	36	39	19.36	19.43	19.38					
15	HQDM	75	0	19.37	19.48	19.32					
15	HQDM	1	0	19.46	19.32	19.42					
15	HQDM	1	37	19.32	19.33	19.53	16.8	0			
15	HQDM	1	74	19.47	19.39						

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	24.45	24.40	24.42	25	0		
20	QPSK	1	49	24.33	24.23	24.29				
20	QPSK	1	99	24.42	24.41	24.38				
20	QPSK	50	0	23.85	24.05	24.02				
20	QPSK	50	24	23.85	23.87	23.94				
20	QPSK	50	50	23.81	23.91	23.98	24.5	0.5		
20	QPSK	100	0	23.89	24.00	23.96				
20	16QAM	1	0	23.89	23.92	23.93				
20	16QAM	1	49	23.83	23.90	24.10				
20	16QAM	1	99	23.99	24.04	24.16				
20	16QAM	50	0	23.34	23.38	23.42	24	1		
20	16QAM	50	24	23.35	23.43	23.47				
20	16QAM	50	50	23.42	23.43	23.57				
20	16QAM	100	0	23.34	23.44	23.48				
20	16QAM	1	0	22.58	22.59	22.65				
20	16QAM	1	49	22.60	22.61	22.81	23	2		
20	16QAM	1	99	22.67	22.70	22.81				
20	16QAM	50	0	22.40	22.40	22.48				
20	16QAM	50	24	22.35	22.47	22.58				
20	16QAM	50	50	22.50	22.45	22.63				
20	16QAM	100	0	22.47	22.42	22.55	23	2		
20	256QAM	1	0	18.91	18.92	18.95				
20	256QAM	1	49	18.86	18.91	18.90				
20	256QAM	1	99	18.00	18.01	18.91				
20	256QAM	50	0	18.93	18.97	18.84				
20	256QAM	50	24	18.53	18.89	18.81	20	5		
20	256QAM	50	50	18.96	18.99	18.88				
20	256QAM	100	0	18.90	18.96	18.94				
Channel										
Frequency (MHz)				3725	3800	3875	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.23	24.20	24.20	25	0		
15	QPSK	1	37	24.40	24.46	24.33				
15	QPSK	1	74	24.27	24.36	24.35				
15	QPSK	36	0	23.87	23.94	23.90				
15	QPSK	36	20	23.76	23.76	23.93				
15	QPSK	36	39	23.85	23.90	23.93	24.5	0.5		
15	QPSK	36	50	23.87	23.93	23.87				
15	16QAM	1	0	23.81	23.80	23.78				
15	16QAM	1	37	23.82	23.86	23.96				
15	16QAM	1	74	23.91	24.03	24.03				
15	16QAM	36	0	23.83	23.84	23.87	24	1		
15	16QAM	36	20	23.23	23.35	23.42				
15	16QAM	36	39	23.38	23.41	23.46				
15	16QAM	75	0	23.21	23.35	23.42				
15	16QAM	1	0	22.56	22.46	22.56				
15	16QAM	1	37	22.55	22.46	22.68	23	2		
15	16QAM	1	74	22.59	22.56	22.74				
15	16QAM	36	0	22.34	22.32	22.35				
15	16QAM	36	20	22.23	22.33	22.46				
15	16QAM	36	39	22.43	22.30	22.55				
15	16QAM	75	0	22.43	22.29	22.40	23	2		
15	256QAM	1	0	18.85	18.91	18.86				
15	256QAM	1	37	18.74	18.86	18.81				
15	256QAM	1	74	18.93	18.92	18.76				
15	256QAM	36	0	18.91	18.93	18.69				
15	256QAM	36	20	18.68	18.86	18.72	20	5		
15	256QAM	36	39	18.62	18.84	18.87				
15	256QAM	75	0	18.89	18.89	18.88				
Channel										
Frequency (MHz)				3767.5	3800	3825	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.24	24.17	24.14	25	0		
10	QPSK	1	25	24.33	24.39	24.33				
10	QPSK	1	49	24.41	24.30	24.27				
10	QPSK	25	0	23.96	23.98	23.97				
10	QPSK	25	12	23.71	23.73	23.80				
10	QPSK	25	25	23.76	23.96	23.93	24.5	0.5		
10	QPSK	50	0	23.85	23.97	23.94				
10	16QAM	1	0	23.87	23.91	23.87				
10	16QAM	1	25	23.81	23.80	24.14				
10	16QAM	1	49	23.82	23.98	24.14				
10	16QAM	25	0	23.30	23.25	23.30	24	1		
10	16QAM	25	12	23.29	23.30	23.46				
10	16QAM	25	25	23.29	23.36	23.43				
10	16QAM	50	0	23.26	23.36	23.45				
10	16QAM	1	0	22.44	22.56	22.59				
10	16QAM	1	25	22.57	22.56	22.73	23	2		
10	16QAM	1	49	22.52	22.62	22.68				
10	16QAM	25	0	22.38	22.25	22.43				
10	16QAM	25	12	22.31	22.32	22.47				
10	16QAM	25	25	22.38	22.40	22.49				
10	16QAM	50	0	22.37	22.32	22.40	20	5		
10	256QAM	1	0	18.85	19.01	18.84				
10	256QAM	1	25	18.74	18.81	18.80				
10	256QAM	1	49	18.96	18.90	18.85				
10	256QAM	25	0	18.91	18.94	18.77				
10	256QAM	25	12	18.68	18.79	18.79	20	5		
10	256QAM	25	25	18.67	18.91	18.75				
10	256QAM	50	0	18.75	18.81	18.82				
Channel										
Frequency (MHz)				3777.5	3800	3822.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.29	24.20	24.15	25	0		
5	QPSK	1	12	24.35	24.44	24.33				
5	QPSK	1	24	24.37	24.27	24.34				
5	QPSK	12	0	23.96	23.96	23.98				
5	QPSK	12	7	23.81	23.74	23.91				
5	QPSK	12	13	23.80	23.96	23.88	24.5	0.5		
5	QPSK	25	0	23.88	23.90	23.89				
5	16QAM	1	0	23.88	23.77	23.81				
5	16QAM	1	12	23.71	23.82	23.98				
5	16QAM	1	24	23.97	23.93	24.10				
5	16QAM	12	0	23.24	23.33	23.36	24	1		
5	16QAM	12	7	23.20	23.35	23.34				
5	16QAM	12	13	23.37	23.36	23.53				
5	16QAM	25	0	23.30	23.34	23.45				
5	16QAM	1	0	22.55	22.55	22.55				
5	16QAM	1	12	22.51	22.55	22.72	23	2		
5	16QAM	1	24	22.56	22.64	22.70				
5	16QAM	12	0	22.37	22.39	22.38				
5	16QAM	12	7	22.31	22.34	22.52				
5	16QAM	12	13	22.42	22.30	22.50				
5	16QAM	25	0	22.34	22.35	22.45	20	5		
5	256QAM	1	0	18.79	18.98	18.92				
5	256QAM	1	12	18.75	18.81	18.75				
5	256QAM	1	24	18.93	19.00	18.76				
5	256QAM	12	0	18.85	18.88	18.77				
5	256QAM	12	7	18.79	18.87	18.79	20	5		
5	256QAM	12	13	18.81	18.92	18.73				
5	256QAM	25	0	18.87	18.93	18.89				

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	17.88	17.85	17.90	18.4	0				
20	QPSK	1	49	17.73	17.85	17.85						
20	QPSK	1	99	17.85	17.89	17.80						
20	QPSK	50	0	17.81	17.82	17.86						
20	QPSK	50	24	17.83	17.90	17.82	18.4	0				
20	QPSK	50	50	17.79	17.86	17.75						
20	QPSK	100	0	17.86	17.88	17.84						
20	16QAM	1	0	17.85	17.88	17.76						
20	16QAM	1	49	17.83	17.86	17.87	18.4	0				
20	16QAM	1	99	17.76	17.83	17.88						
20	16QAM	50	0	17.86	17.86	17.85						
20	16QAM	50	24	17.75	17.87	17.80						
20	16QAM	50	24	17.75	17.87	17.80	18.4	0				
20	16QAM	50	50	17.80	17.93	17.75						
20	16QAM	100	0	17.74	17.91	17.83						
20	16QAM	1	0	17.83	17.83	17.85						
20	64QAM	1	49	17.79	17.79	17.87	18.4	0				
20	64QAM	1	99	17.83	17.88	17.84						
20	64QAM	50	0	17.85	17.88	17.85						
20	64QAM	50	24	17.74	17.82	17.84						
20	64QAM	50	50	17.78	17.85	17.81	18.4	0				
20	64QAM	100	0	17.76	17.92	17.79						
20	256QAM	1	0	17.87	17.85	17.78						
20	256QAM	1	49	17.83	17.85	17.89						
20	256QAM	1	99	17.78	17.84	17.75	18.4	0				
20	256QAM	50	0	17.78	17.84	17.75						
20	256QAM	50	24	17.73	17.81	17.89						
20	256QAM	50	50	17.73	17.91	17.79						
20	256QAM	100	0	17.78	17.83	17.75	18.4	0				
Channel												
Frequency (MHz)				37625	38000	38175				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.76	17.93	17.81				18.4	0	
15	QPSK	1	37	17.68	17.80	17.73						
15	QPSK	1	74	17.84	17.86	17.65						
15	QPSK	36	0	17.74	17.84	17.83						
15	QPSK	36	20	17.74	17.89	17.74	18.4	0				
15	QPSK	36	36	17.75	17.74	17.74						
15	QPSK	75	0	17.71	17.80	17.77						
15	16QAM	1	0	17.82	17.73	17.75						
15	16QAM	1	37	17.72	17.71	17.86	18.4	0				
15	16QAM	1	74	17.74	17.71	17.76						
15	16QAM	36	0	17.78	17.75	17.75						
15	16QAM	36	20	17.66	17.77	17.72						
15	16QAM	36	39	17.74	17.91	17.60	18.4	0				
15	16QAM	75	0	17.66	17.76	17.79						
15	64QAM	1	0	17.72	17.83	17.72						
15	64QAM	1	37	17.64	17.88	17.76						
15	64QAM	1	74	17.69	17.79	17.79	18.4	0				
15	64QAM	36	0	17.83	17.77	17.77						
15	64QAM	36	20	17.80	17.86	17.83						
15	64QAM	36	39	17.78	17.81	17.65						
15	64QAM	75	0	17.71	17.89	17.75	18.4	0				
15	256QAM	1	0	17.82	17.81	17.71						
15	256QAM	1	37	17.70	17.71	17.83						
15	256QAM	1	74	17.74	17.70	17.70						
15	256QAM	36	0	17.77	17.82	17.76	18.4	0				
15	256QAM	36	20	17.62	17.67	17.78						
15	256QAM	36	39	17.69	17.77	17.72						
15	256QAM	75	0	17.71	17.80	17.68						
Channel				2675	2695	2615	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				37175	38000	38225	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	17.79	17.80	17.78	18.4	0				
10	QPSK	1	25	17.59	17.84	17.73						
10	QPSK	1	49	17.78	17.85	17.65						
10	QPSK	25	0	17.85	17.91	17.81						
10	QPSK	25	12	17.79	17.84	17.80	18.4	0				
10	QPSK	25	25	17.71	17.66	17.70						
10	QPSK	50	0	17.81	17.84	17.71						
10	16QAM	1	0	17.83	17.76	17.61						
10	16QAM	1	25	17.78	17.77	17.84	18.4	0				
10	16QAM	1	49	17.73	17.71	17.75						
10	16QAM	25	0	17.84	17.81	17.76						
10	16QAM	25	12	17.61	17.78	17.74						
10	16QAM	25	25	17.70	17.67	17.63	18.4	0				
10	16QAM	50	0	17.83	17.77	17.77						
10	64QAM	1	0	17.79	17.89	17.76						
10	64QAM	1	25	17.64	17.82	17.83						
10	64QAM	1	49	17.75	17.75	17.73	18.4	0				
10	64QAM	25	0	17.75	17.78	17.83						
10	64QAM	25	12	17.66	17.74	17.74						
10	64QAM	25	25	17.76	17.79	17.70						
10	64QAM	50	0	17.72	17.78	17.74	18.4	0				
10	256QAM	1	0	17.85	17.75	17.70						
10	256QAM	1	25	17.72	17.77	17.78						
10	256QAM	1	49	17.66	17.76	17.65						
10	256QAM	25	0	17.70	17.84	17.65	18.4	0				
10	256QAM	25	12	17.70	17.72	17.78						
10	256QAM	25	25	17.67	17.77	17.71						
10	256QAM	50	0	17.68	17.81	17.67						
Channel				37175	38000	38225	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	17.77	17.83	17.76	18.4	0				
5	QPSK	1	12	17.58	17.75	17.84						
5	QPSK	1	24	17.73	17.79	17.79						
5	QPSK	12	0	17.84	17.81	17.84						
5	QPSK	12	7	17.77	17.85	17.81	18.4	0				
5	QPSK	12	13	17.83	17.70	17.66						
5	QPSK	25	0	17.82	17.76	17.81						
5	16QAM	1	0	17.80	17.77	17.70						
5	16QAM	1	12	17.71	17.82	17.83	18.4	0				
5	16QAM	1	24	17.68	17.72	17.75						
5	16QAM	12	0	17.82	17.76	17.70						
5	16QAM	12	7	17.72	17.76	17.76						
5	16QAM	12	13	17.70	17.72	17.71	18.4	0				
5	16QAM	25	0	17.68	17.86	17.76						
5	16QAM	1	0	17.77	17.92	17.76						
5	64QAM	1	12	17.72	17.86	17.74						
5	64QAM	1	24	17.69	17.76	17.77	18.4	0				
5	64QAM	1	12	17.71	17.82	17.76						
5	64QAM	12	7	17.63	17.67	17.70						
5	64QAM	12	13	17.76	17.74	17.66						
5	64QAM	25	0	17.61	17.77	17.77	18.4	0				
5	256QAM	1	0	17.72	17.73	17.70						
5	256QAM	1	12	17.61	17.79	17.84						
5	256QAM	1	24	17.68	17.79	17.72						
5	256QAM	12	0	17.76	17.93	17.67	18.4	0				
5	256QAM	12	7	17.61	17.73	17.74						
5	256QAM	12	13	17.60	17.82	17.73						
5	256QAM	25	0	17.72	17.80	17.72						

Band 38_Ant 7														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)				2580	2595	2610								
20	QPSK	1	0	17.13	17.20	17.15	18	0						
20	QPSK	1	49	17.02	17.18	17.09								
20	QPSK	1	99	17.11	17.07	17.10								
20	QPSK	50	0	17.06	17.12	17.11								
20	QPSK	50	24	17.02	17.09	17.09								
20	QPSK	50	50	17.05	17.07	17.07	18	0						
20	QPSK	100	0	17.02	17.10	17.09								
20	16QAM	1	0	16.98	17.13	17.03								
20	16QAM	1	49	16.99	17.16	17.10								
20	16QAM	1	99	17.08	17.10	17.08								
20	16QAM	50	0	17.07	17.12	17.11	18	0						
20	16QAM	50	24	17.07	17.11	17.04								
20	16QAM	100	0	16.98	17.13	17.02								
20	16QAM	100	0	17.03	17.06	17.06								
20	64QAM	1	0	16.98	17.14	17.14								
20	64QAM	1	49	17.03	17.15	17.07	18	0						
20	64QAM	1	99	17.05	17.17	17.01								
20	64QAM	50	0	17.06	17.17	17.03								
20	64QAM	50	24	17.07	17.15	17.06								
20	64QAM	50	50	17.03	17.11	17.00								
20	64QAM	100	0	17.06	17.18	17.12	18	0						
20	64QAM	1	0	15.48	15.53	15.39								
20	256QAM	1	49	15.46	15.44	15.42								
20	256QAM	1	99	15.43	15.49	15.52								
20	256QAM	50	0	15.46	15.48	15.43								
20	256QAM	50	24	15.44	15.45	15.41	16	2						
20	256QAM	50	50	15.44	15.42	15.44								
20	256QAM	100	0	15.42	15.46	15.47								
Channel														
Frequency (MHz)				37825	38000	38175								
				2577.5	2595	2612.5								
15	QPSK	1	0	17.06	17.12	17.07	18	0						
15	QPSK	1	37	16.93	17.17	17.02								
15	QPSK	1	74	16.96	17.00	17.03								
15	QPSK	36	0	16.94	17.07	17.00								
15	QPSK	36	20	16.91	17.00	17.07								
15	QPSK	36	39	16.93	17.00	16.93	18	0						
15	QPSK	36	50	16.96	17.07	17.00								
15	16QAM	1	0	16.88	17.11	16.95								
15	16QAM	1	37	16.86	17.11	17.09								
15	16QAM	1	74	17.05	16.99	17.00								
15	16QAM	36	0	17.04	16.98	16.94	18	0						
15	16QAM	36	20	16.98	17.01	16.94								
15	16QAM	36	39	16.96	16.99	16.94								
15	16QAM	75	0	16.93	16.91	17.01								
15	64QAM	1	0	16.86	17.12	17.05								
15	64QAM	1	37	16.88	17.04	17.03	18	0						
15	64QAM	1	74	17.02	17.15	16.86								
15	64QAM	36	0	16.97	17.08	16.99								
15	64QAM	36	20	17.01	17.12	16.93								
15	64QAM	36	39	16.98	17.06	16.86								
15	64QAM	75	0	17.01	17.07	17.06	16	2						
15	256QAM	1	0	15.43	15.43	15.31								
15	256QAM	1	37	15.34	15.36	15.38								
15	256QAM	1	74	15.28	15.38	15.39								
15	256QAM	36	0	15.35	15.37	15.41								
15	256QAM	36	20	15.37	15.39	15.39								
15	256QAM	36	39	15.35	15.37	15.41	16	2						
15	256QAM	75	0	15.32	15.45	15.44								
Channel														
Frequency (MHz)				37860	38000	38200								
				2579	2595	2617.5								
10	QPSK	1	0	17.00	17.14	17.12	18		0					
10	QPSK	1	25	16.97	17.03	16.99								
10	QPSK	1	49	17.00	16.98	16.98								
10	QPSK	25	0	17.04	17.09	17.09								
10	QPSK	25	0	17.07	17.06	16.96								
10	QPSK	25	25	16.92	17.02	17.03	18	0						
10	QPSK	50	0	16.89	16.97	16.98								
10	16QAM	1	0	16.84	17.00	16.97								
10	16QAM	1	25	16.89	17.07	17.02								
10	16QAM	1	49	17.02	16.97	16.94								
10	16QAM	25	0	16.91	17.02	17.00	18	0						
10	16QAM	25	12	16.98	17.03	16.91								
10	16QAM	25	25	16.89	17.11	16.99								
10	16QAM	50	0	16.96	17.11	16.99								
10	64QAM	1	25	16.95	17.02	17.04								
10	64QAM	1	49	16.96	17.12	16.88	18	0						
10	64QAM	25	0	17.06	17.12	16.95								
10	64QAM	25	12	16.96	17.07	16.96								
10	64QAM	25	25	16.93	17.04	16.97								
10	64QAM	50	0	16.93	17.16	16.98								
10	256QAM	1	0	15.33	15.50	15.33	16	2						
10	256QAM	1	25	15.39	15.51	15.33								
10	256QAM	1	49	15.31	15.37	15.48								
10	256QAM	25	0	15.42	15.34	15.30								
10	256QAM	25	12	15.34	15.31	15.31								
10	256QAM	25	25	15.40	15.35	15.33	16	2						
10	256QAM	50	0	15.30	15.35	15.33								
Channel														
Frequency (MHz)				37775	38000	38225								
				2572.5	2595	2617.5								
5	QPSK	1	0	17.08	17.09	17.13	18	0						
5	QPSK	1	12	16.89	17.09	16.97								
5	QPSK	1	24	17.00	17.05	17.04								
5	QPSK	12	0	16.99	17.02	17.06								
5	QPSK	12	7	17.01	16.97	16.95								
5	QPSK	12	13	16.90	17.02	16.97	18	0						
5	QPSK	25	0	16.92	17.01	17.07								
5	16QAM	1	0	16.95	17.09	16.95								
5	16QAM	1	12	16.88	17.07	16.95								
5	16QAM	1	24	16.93	16.97	16.94								
5	16QAM	12	0	17.03	16.92	16.96	18	0						
5	16QAM	12	7	16.99	17.06	17.03								
5	16QAM	12	13	16.87	17.00	16.91								
5	16QAM	25	0	17.01	17.01	17.02								
5	16QAM	1	0	16.95	17.02	17.08								
5	64QAM	1	0	16.95	17.02	17.08	18	0						
5	64QAM	1	12	17.02	17.10	16.93								
5	64QAM	1	24	16.96	17.06	16.92								
5	64QAM	12	7	16.95	17.10	16.97								
5	64QAM	12	13	16.99	16.99	16.99	18	0						
5	64QAM	25	0	16.98	17.04	17.00								
5	256QAM	1	12	15.47	15.48	15.35								
5	256QAM	1	24	15.36	15.42	15.29								
5	256QAM	1	24	15.35	15.35	15.41	16	2						
5	256QAM	12	0	15.35	15.34	15.29								
5	256QAM	12	7	15.40	15.41	15.31								
5	256QAM	12	13	15.33	15.33	15.33								
5	256QAM	25	0	15.32	15.41	15.32								



Band 41_Ant 6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Low High Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40165	40620	41065	41490			
20	QPSK	1	0	17.88	17.89	17.93	17.93	17.93	18.8	0	
20	QPSK	1	49	17.88	17.87	17.97	17.92	17.90			
20	QPSK	1	99	17.82	17.84	17.87	17.88	17.81			
20	QPSK	50	0	17.88	17.84	17.90	17.96	17.91			
20	QPSK	50	24	17.84	17.82	17.89	17.95	17.78			
20	QPSK	50	50	17.85	17.80	17.90	17.95	17.82	18.8	0	
20	QPSK	100	0	17.78	17.86	17.98	17.90	17.78			
20	16QAM	1	0	17.80	17.81	17.84	17.88	17.84			
20	16QAM	1	49	17.82	17.83	17.91	17.85	17.83			
20	16QAM	1	99	17.76	17.80	17.82	17.99	17.81			
20	16QAM	50	0	17.81	17.89	17.88	17.88	17.89	18.8	0	
20	16QAM	50	24	17.75	17.84	17.89	17.96	17.81			
20	16QAM	50	50	17.76	17.83	17.93	17.86	17.89			
20	16QAM	100	0	17.75	17.80	17.99	17.94	17.78			
20	64QAM	1	0	17.85	17.82	17.95	17.93	17.83			
20	64QAM	1	49	17.86	17.85	17.92	17.97	17.90	18.8	0	
20	64QAM	1	99	17.82	17.83	17.95	17.98	17.92			
20	64QAM	50	0	17.83	17.80	17.88	17.91	17.78			
20	64QAM	50	24	17.80	17.88	17.95	17.98	17.83			
20	64QAM	50	50	17.83	17.93	18.01	17.95	17.81			
20	64QAM	100	0	17.84	17.83	17.94	17.94	17.84	17.3	1.5	
20	256QAM	1	0	16.37	16.40	16.48	16.37	16.45			
20	256QAM	1	49	16.32	16.38	16.43	16.30	16.38			
20	256QAM	1	99	16.40	16.37	16.48	16.35	16.45			
20	256QAM	50	0	16.40	16.41	16.44	16.42	16.41			
20	256QAM	50	24	16.35	16.37	16.46	16.37	16.35	17.3	1.5	
20	256QAM	50	50	16.45	16.39	16.50	16.45	16.48			
20	256QAM	100	0	16.50	16.48	16.51	16.48	16.48			
Channel											
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.83	17.85	17.97	17.90	17.86	18.8	0	
15	QPSK	1	37	17.74	17.80	17.83	17.85	17.86			
15	QPSK	1	74	17.74	17.82	17.84	17.81	17.80			
15	QPSK	36	0	17.87	17.85	17.88	17.95	17.89			
15	QPSK	36	20	17.70	17.86	17.95	17.93	17.80			
15	QPSK	36	39	17.80	17.83	17.90	17.91	17.80	18.8	0	
15	QPSK	75	0	17.72	17.79	17.83	17.84	17.68			
15	16QAM	1	0	17.71	17.87	17.83	17.85	17.82			
15	16QAM	1	37	17.80	17.81	17.83	17.79	17.79			
15	16QAM	1	74	17.86	17.80	17.80	17.93	17.79			
15	16QAM	36	0	17.74	17.82	17.84	17.73	17.81	18.8	0	
15	16QAM	36	20	17.74	17.83	17.87	17.84	17.76			
15	16QAM	36	39	17.76	17.76	17.91	17.71	17.74			
15	16QAM	75	0	17.73	17.75	17.90	17.90	17.70			
15	64QAM	1	0	17.80	17.82	17.89	17.91	17.72			
15	64QAM	1	37	17.72	17.79	17.86	17.85	17.81	18.8	0	
15	64QAM	1	74	17.67	17.80	17.91	17.92	17.86			
15	64QAM	36	0	17.73	17.87	17.97	17.89	17.65			
15	64QAM	36	20	17.70	17.77	17.85	17.93	17.78			
15	64QAM	36	39	17.75	17.81	17.94	17.87	17.76			
15	64QAM	75	0	17.73	17.79	17.89	17.84	17.74	17.3	1.5	
15	256QAM	1	0	16.27	16.39	16.46	16.26	16.43			
15	256QAM	1	37	16.18	16.28	16.31	16.25	16.28			
15	256QAM	1	74	16.26	16.26	16.42	16.27	16.34			
15	256QAM	50	0	16.36	16.38	16.37	16.41	16.38			
15	256QAM	50	24	16.28	16.24	16.44	16.30	16.24	17.3	1.5	
15	256QAM	50	39	16.34	16.34	16.35	16.38	16.34			
15	256QAM	75	0	16.36	16.43	16.40	16.43	16.33			
Channel											
Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.88	17.81	17.95	17.97	17.78	18.8	0	
10	QPSK	1	25	17.75	17.80	17.82	17.86	17.86			
10	QPSK	1	49	17.78	17.81	17.87	17.97	17.87			
10	QPSK	25	0	17.81	17.82	17.88	17.93	17.88			
10	QPSK	25	12	17.82	17.79	17.91	17.89	17.75			
10	QPSK	25	25	17.77	17.77	17.89	17.91	17.75	18.8	0	
10	QPSK	50	0	17.88	17.71	17.96	17.83	17.76			
10	16QAM	1	0	17.89	17.68	17.83	17.88	17.72			
10	16QAM	1	25	17.67	17.71	17.78	17.83	17.68			
10	16QAM	1	49	17.72	17.77	17.80	17.91	17.68			
10	16QAM	25	0	17.79	17.87	17.79	17.78	17.76	18.8	0	
10	16QAM	25	12	17.60	17.77	17.80	17.90	17.60			
10	16QAM	25	25	17.73	17.73	17.90	17.77	17.74			
10	16QAM	50	0	17.74	17.77	17.86	17.80	17.60			
10	64QAM	1	0	17.84	17.79	17.86	17.80	17.62			
10	64QAM	1	25	17.82	17.84	17.87	17.96	17.80	18.8	0	
10	64QAM	1	49	17.70	17.70	17.92	17.88	17.80			
10	64QAM	25	0	17.75	17.79	17.94	17.85	17.77			
10	64QAM	25	12	17.70	17.75	17.90	17.84	17.79			
10	64QAM	25	25	17.81	17.83	17.89	17.83	17.71			
10	64QAM	50	0	17.79	17.72	17.86	17.82	17.77	17.3	1.5	
10	256QAM	1	0	16.34	16.38	16.37	16.27	16.41			
10	256QAM	1	25	16.19	16.29	16.32	16.26	16.28			
10	256QAM	1	49	16.39	16.32	16.35	16.31	16.44			
10	256QAM	25	0	16.36	16.37	16.42	16.39	16.36			
10	256QAM	25	12	16.27	16.29	16.33	16.31	16.33	17.3	1.5	
10	256QAM	25	25	16.31	16.36	16.47	16.35	16.47			
10	256QAM	50	0	16.40	16.43	16.50	16.46	16.45			
Channel											
Frequency (MHz)				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.78	17.81	17.92	17.91	17.91	18.8	0	
5	QPSK	1	12	17.82	17.78	17.88	17.82	17.68			
5	QPSK	1	24	17.70	17.70	17.86	17.80	17.76			
5	QPSK	12	0	17.86	17.85	17.96	17.81	17.87			
5	QPSK	12	7	17.76	17.83	17.90	17.82	17.81			
5	QPSK	12	13	17.73	17.82	17.83	17.88	17.72	18.8	0	
5	QPSK	25	0	17.75	17.80	17.91	17.77	17.63			
5	16QAM	1	0	17.88	17.71	17.93	17.83	17.62			
5	16QAM	1	12	17.69	17.72	17.79	17.84	17.75			
5	16QAM	1	24	17.73	17.76	17.79	17.90	17.70			
5	16QAM	12	0	17.86	17.86	17.76	17.79	17.78	18.8	0	
5	16QAM	12	7	17.72	17.72	17.74	17.82	17.79			
5	16QAM	12	13	17.64	17.71	17.80	17.73	17.75			
5	16QAM	25	0	17.73	17.85	17.94	17.88	17.76			
5	64QAM	1	0	17.74	17.80	17.83	17.91	17.68	18.8	0	
5	64QAM	1	12	17.83	17.83	17.86	17.86	17.68			
5	64QAM	1	24	17.67	17.75	17.86	17.80	17.77			
5	64QAM	12	0	17.68	17.87	17.97	17.86	17.76			
5	64QAM	12	7	17.74	17.73	17.86	17.91	17.71			
5	64QAM	12	13	17.72	17.82	17.81	17.82	17.76	17.3	1.5	
5	64QAM	25	0	17.81	17.82	17.82	17.82	17.76			
5	256QAM	1	0	16.35	16.38	16.35	16.27	16.35			
5	256QAM	1	12	16.26	16.35	16.36	16.28	16.30			
5	256QAM	1	24	16.26	16.34	16.47	16.26	16.34	17.3	1.5	
5	256QAM	12	0	16.36	16.36	16.36	16.36	16.34			
5	256QAM	12	7	16.33	16.32	16.33	16.30	16.32			
5	256QAM	12	13	16.33	16.26	16.47	16.32	16.42			
5	256QAM	25	0	16.35	16.45	16.36	16.38	16.33			

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.	Tune-up limit (dBm)	MPR (dB)					
Channel															
Frequency (MHz)				2506	2549.5	2593	2636.5	2680							
20	QPSK	1	0	16.92	16.88	16.95	16.90	16.85	17.7	0					
20	QPSK	1	49	16.79	16.86	16.91	16.82	16.84							
20	QPSK	1	99	16.79	16.75	16.90	16.85	16.73							
20	QPSK	50	0	16.91	16.86	16.92	16.86	16.82							
20	QPSK	50	24	16.90	16.83	16.88	16.85	16.75							
20	QPSK	50	50	16.82	16.79	16.80	16.87	16.74	17.7	0					
20	QPSK	100	0	16.88	16.75	16.90	16.80	16.79							
20	16QAM	1	0	16.90	16.84	16.92	16.77	16.80							
20	16QAM	1	49	16.84	16.82	16.89	16.89	16.71							
20	16QAM	1	99	16.83	16.84	16.90	16.79	16.70							
20	16QAM	50	0	16.78	16.87	16.83	16.87	16.74	17.7	0					
20	16QAM	50	24	16.88	16.81	16.85	16.87	16.75							
20	16QAM	50	50	16.85	16.84	16.84	16.87	16.70							
20	16QAM	100	0	16.79	16.84	16.81	16.77	16.75							
20	64QAM	1	0	16.85	16.74	16.87	16.80	16.71							
20	64QAM	1	49	16.91	16.74	16.80	16.88	16.83	17.7	0					
20	64QAM	1	99	16.88	16.76	16.86	16.87	16.82							
20	64QAM	50	0	16.89	16.84	16.90	16.79	16.74							
20	64QAM	50	24	16.77	16.82	16.83	16.86	16.70							
20	64QAM	50	50	16.81	16.86	16.89	16.77	16.78							
20	64QAM	100	0	16.84	16.87	16.89	16.77	16.72	17.7	0					
20	256QAM	1	0	16.82	16.83	16.84	16.87	16.72							
20	256QAM	1	49	16.77	16.79	16.85	16.82	16.71							
20	256QAM	1	99	16.91	16.79	16.80	16.83	16.76							
20	256QAM	50	0	16.83	16.75	16.83	16.78	16.74							
20	256QAM	50	24	16.91	16.78	16.94	16.85	16.70	17.7	0					
20	256QAM	50	50	16.81	16.86	16.89	16.77	16.78							
20	256QAM	100	0	16.82	16.80	16.90	16.85	16.70							
Channel															
Frequency (MHz)				2502.5	2547.3	2592.3	2635.8	2679.5							
15	QPSK	1	0	16.80	16.74	16.84	16.79	16.84	17.7	0					
15	QPSK	1	37	16.65	16.78	16.81	16.76	16.73							
15	QPSK	1	74	16.73	16.74	16.77	16.77	16.66							
15	QPSK	36	0	16.86	16.84	16.91	16.82	16.79							
15	QPSK	36	20	16.81	16.77	16.85	16.78	16.74							
15	QPSK	36	39	16.76	16.70	16.73	16.66	16.65	17.7	0					
15	QPSK	75	0	16.88	16.73	16.89	16.82	16.71							
15	16QAM	1	0	16.79	16.79	16.79	16.72	16.70							
15	16QAM	1	37	16.69	16.71	16.74	16.81	16.68							
15	16QAM	1	74	16.74	16.77	16.67	16.69	16.69							
15	16QAM	36	0	16.92	16.82	16.73	16.79	16.83	17.7	0					
15	16QAM	36	20	16.77	16.70	16.71	16.83	16.71							
15	16QAM	36	39	16.80	16.82	16.73	16.79	16.83							
15	16QAM	75	0	16.78	16.70	16.76	16.68	16.73							
15	64QAM	1	0	16.75	16.59	16.80	16.74	16.63							
15	64QAM	1	37	16.86	16.71	16.78	16.82	16.68	17.7	0					
15	64QAM	1	74	16.79	16.81	16.76	16.86	16.87							
15	64QAM	36	0	16.80	16.78	16.86	16.71	16.68							
15	64QAM	36	20	16.71	16.71	16.70	16.82	16.59							
15	64QAM	36	39	16.74	16.84	16.75	16.67	16.84							
15	64QAM	75	0	16.79	16.75	16.80	16.70	16.63	17.7	0					
15	256QAM	1	0	16.80	16.76	16.80	16.74	16.59							
15	256QAM	1	37	16.69	16.65	16.84	16.68	16.58							
15	256QAM	1	74	16.90	16.68	16.79	16.77	16.65							
15	256QAM	36	0	16.77	16.69	16.71	16.73	16.61							
15	256QAM	36	20	16.87	16.65	16.68	16.70	16.63	17.7	0					
15	256QAM	36	39	16.79	16.71	16.84	16.62	16.71							
15	256QAM	75	0	16.71	16.76	16.75	16.76	16.63							
Channel															
Frequency (MHz)				2501.5	2546.3	2591.3	2634.8	2678.5							
10	QPSK	1	0	16.90	16.73	16.83	16.79	16.78	17.7	0					
10	QPSK	1	25	16.84	16.73	16.80	16.68	16.78							
10	QPSK	1	49	16.64	16.74	16.66	16.71	16.68							
10	QPSK	25	0	16.84	16.76	16.75	16.81	16.71							
10	QPSK	25	12	16.76	16.91	16.74	16.76	16.72							
10	QPSK	25	25	16.68	16.78	16.73	16.64	16.76	17.7	0					
10	QPSK	50	0	16.73	16.72	16.86	16.79	16.84							
10	16QAM	1	0	16.84	16.72	16.84	16.68	16.65							
10	16QAM	1	25	16.73	16.68	16.81	16.78	16.67							
10	16QAM	1	49	16.80	16.79	16.71	16.73	16.63							
10	16QAM	25	0	16.77	16.86	16.75	16.69	16.72	17.7	0					
10	16QAM	25	12	16.74	16.67	16.77	16.76	16.72							
10	16QAM	25	25	16.79	16.75	16.82	16.83	16.65							
10	16QAM	50	0	16.81	16.86	16.86	16.69	16.59							
10	64QAM	1	25	16.87	16.72	16.65	16.81	16.80	17.7	0					
10	64QAM	1	49	16.75	16.84	16.78	16.76	16.73							
10	64QAM	25	0	16.87	16.80	16.85	16.70	16.68							
10	64QAM	25	12	16.75	16.80	16.73	16.82	16.63							
10	64QAM	25	25	16.76	16.74	16.79	16.76	16.62							
10	64QAM	50	0	16.82	16.75	16.78	16.71	16.62	17.7	0					
10	256QAM	1	0	16.74	16.79	16.83	16.75	16.68							
10	256QAM	1	25	16.62	16.65	16.73	16.68	16.61							
10	256QAM	1	49	16.79	16.64	16.77	16.81	16.74							
10	256QAM	25	0	16.75	16.65	16.79	16.73	16.59							
10	256QAM	25	12	16.86	16.65	16.81	16.81	16.59	17.7	0					
10	256QAM	25	25	16.66	16.62	16.76	16.73	16.65							
10	256QAM	50	0	16.80	16.67	16.83	16.72	16.58							
Channel															
Frequency (MHz)				2498.5	2545.8	2593.0	2640.3	2687.5							
5	QPSK	1	0	16.78	16.74	16.90	16.79	16.75	17.7	0					
5	QPSK	1	12	16.70	16.82	16.77	16.68	16.78							
5	QPSK	1	24	16.74	16.69	16.77	16.70	16.86							
5	QPSK	12	0	16.86	16.80	16.91	16.81	16.79							
5	QPSK	12	7	16.80	16.75	16.87	16.71	16.82	17.7	0					
5	QPSK	12	13	16.77	16.88	16.71	16.78	16.74							
5	QPSK	25	0	16.80	16.68	16.86	16.78	16.68							
5	QPSK	25	13	16.85	16.76	16.78	16.76	16.61							
5	16QAM	1	0	16.78	16.76	16.77	16.88	16.68	17.7	0					
5	16QAM	1	24	16.80	16.81	16.79	16.72	16.57							
5	16QAM	12	0	16.73	16.81	16.73	16.72	16.70							
5	16QAM	12	7	16.67	16.67	16.75	16.79	16.70							
5	16QAM	25	0	16.71	16.80	16.72	16.71	16.60	17.7	0					
5	16QAM	1	0	16.80	16.69	16.80	16.71	16.66							
5	16QAM	1	12	16.80	16.68	16.67	16.76	16.71							
5	16QAM	12	13	16.83	16.73	16.87	16.78	16.76							
5	64QAM	1	0	16.71	16.77	16.84	16.72	16.60	17.7	0					
5	64QAM	1	12	16.76	16.76	16.82	16.72	16.60							
5	64QAM	12	13	16.74	16.73	16.79	16.71	16.70							
5	64QAM	25	0	16.72	16.73	16.81	16.63	16.62							
5	256QAM	1	0	16.71	16.77	16.81	16.72	16.60	17.7	0					
5	256QAM	1	12	16.74	16.75	16.74	16.71	16.68							
5	256QAM	1	24	16.76	16.66	16.76	16.74	16.64							
5	256QAM	12	0	16.77	16.72	16.69	16.76	16.72							
5	256QAM	12	7	16.79	16.76	16.76	16.77	16.67	17.7	0					
5	256QAM	12	13	16.80	16.83	16.80	16.73	16.64							
5	256QAM	25	0	16.68	16.77	16.80	16.72	16.62							

GSM900_Ant 0	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	128	189	251	TX Channel	128	189	251
Frequency (MHz)	924.2	936.4	948.8		924.2	936.4	948.8	
GBM 1 Tx slot	30.62	30.65	30.61	31.10	21.62	21.65	21.61	22.10
GPRS/EDGE(GMSK) 1 Tx slot	30.47	30.52	30.50	31.10	21.47	21.52	21.50	22.10
GPRS/EDGE(GMSK) 2 Tx slots	27.52	27.63	27.51	28.60	21.52	21.63	21.51	22.60
GPRS/EDGE(GMSK) 3 Tx slots	25.70	25.85	25.77	27.10	21.44	21.59	21.51	22.84
GPRS/EDGE(GMSK) 4 Tx slots	24.43	24.50	24.36	25.60	21.43	21.50	21.36	22.60
EDGE 1 Tx slot	26.28	26.30	26.35	26.80	17.28	17.30	17.35	17.80
EDGE 2 Tx slot	25.20	25.25	25.16	25.60	19.20	19.25	19.16	19.60
EDGE 3 Tx slot	23.05	23.03	22.98	23.60	18.74	18.77	18.72	19.34
EDGE 4 Tx slot	21.45	21.45	21.37	22.10	18.43	18.45	18.37	19.10

Reduced Power Mode for ECI 8

GSM900_Ant 0	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	128	189	251	TX Channel	128	189	251
Frequency (MHz)	924.2	936.4	948.8		924.2	936.4	948.8	
GBM 1 Tx slot	32.16	32.17	32.05	33.50	23.16	23.17	23.05	24.50
GPRS/EDGE(GMSK) 1 Tx slot	32.12	32.15	32.01	33.50	23.12	23.15	23.01	24.50
GPRS/EDGE(GMSK) 2 Tx slots	29.59	29.70	29.65	31.00	23.59	23.70	23.65	25.00
GPRS/EDGE(GMSK) 3 Tx slots	28.01	28.13	28.05	29.50	23.75	23.87	23.79	25.24
GPRS/EDGE(GMSK) 4 Tx slots	26.34	27.08	26.97	28.00	23.94	24.08	23.97	25.00
EDGE 1 Tx slot	26.17	26.30	26.20	27.20	17.17	17.30	17.29	18.20
EDGE 2 Tx slot	25.00	25.12	25.00	26.00	19.00	19.12	19.00	20.00
EDGE 3 Tx slot	22.95	22.96	22.88	24.00	18.69	18.70	18.62	19.74
EDGE 4 Tx slot	21.23	21.25	21.26	22.50	18.23	18.25	18.26	19.58

GSM1900_Ant 5	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	512	661	810	TX Channel	512	661	810
Frequency (MHz)	1852.2	1868	1902.8		1852.2	1868	1902.8	
GBM 1 Tx slot	29.83	29.85	29.50	30.50	20.83	20.83	20.85	21.50
GPRS/EDGE(GMSK) 1 Tx slot	29.78	29.80	29.78	30.50	20.78	20.80	20.78	21.50
GPRS/EDGE(GMSK) 2 Tx slots	27.27	27.42	27.31	28.50	21.27	21.42	21.31	22.50
GPRS/EDGE(GMSK) 3 Tx slots	25.77	25.83	25.73	26.50	21.61	21.67	21.47	22.24
GPRS/EDGE(GMSK) 4 Tx slots	24.61	24.65	24.53	25.00	21.61	21.65	21.53	22.00
EDGE 1 Tx slot	25.64	25.70	25.56	26.50	16.64	16.70	16.56	17.50
EDGE 2 Tx slot	23.63	23.85	23.82	24.50	17.63	17.85	17.82	18.50
EDGE 3 Tx slot	21.62	21.70	21.67	22.50	17.38	17.48	17.31	18.24
EDGE 4 Tx slot	20.62	20.69	20.65	21.50	17.62	17.69	17.65	18.50

GSM1900_Ant 6	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	512	661	810	TX Channel	512	661	810
Frequency (MHz)	1852.2	1868	1902.8		1852.2	1868	1902.8	
GBM 1 Tx slot	28.41	28.54	28.45	29.70	19.41	19.54	19.45	19.70
GPRS/EDGE(GMSK) 1 Tx slot	28.38	28.50	28.41	29.70	19.38	19.50	19.41	19.70
GPRS/EDGE(GMSK) 2 Tx slots	26.00	26.05	26.02	26.70	20.00	20.05	20.02	20.70
GPRS/EDGE(GMSK) 3 Tx slots	24.04	24.09	24.07	24.70	19.76	19.83	19.81	20.44
GPRS/EDGE(GMSK) 4 Tx slots	22.91	22.95	22.87	23.20	19.81	19.85	19.87	20.20
EDGE 1 Tx slot	25.31	25.48	25.39	25.70	16.31	16.48	16.39	16.70
EDGE 2 Tx slot	23.23	23.46	23.37	23.70	17.23	17.46	17.37	17.70
EDGE 3 Tx slot	21.08	21.30	21.29	21.70	16.83	17.04	16.94	17.44
EDGE 4 Tx slot	20.31	20.50	20.48	20.70	17.31	17.50	17.48	17.70

Band	WCDMA V_Ant 5			Time-up Limit (dBm)	WCDMA V_Ant 6			Time-up Limit (dBm)
	TX Channel	9652	9450	9638	TX Channel	9652	9450	9638
Frequency (MHz)	1852.4	1868	1907.6		1852.4	1868	1907.6	
3GPP Rel 99	AMR 12.2Kbps	18.53	18.95	18.96	18.30	18.32	18.35	18.32
3GPP Rel 99	RMC 12.2Kbps	19.00	19.05	19.02	19.80	18.35	18.42	18.33
3GPP Rel 6	HSDPA Subclass-1	18.92	18.98	18.99	19.80	18.27	18.39	18.28
3GPP Rel 6	HSDPA Subclass-2	18.91	18.92	18.91	19.80	18.21	18.34	18.26
3GPP Rel 6	HSDPA Subclass-3	18.86	18.95	18.90	19.80	18.20	18.40	18.23
3GPP Rel 6	HSDPA Subclass-4	18.85	18.95	18.97	19.80	18.28	18.40	18.21
3GPP Rel 6	DC-HSDPA Subclass-1	18.97	18.96	18.96	19.80	18.23	18.40	18.27
3GPP Rel 6	DC-HSDPA Subclass-2	18.98	18.97	18.88	19.80	18.23	18.35	18.26
3GPP Rel 6	DC-HSDPA Subclass-3	18.50	19.02	18.87	19.80	18.34	18.41	18.30
3GPP Rel 6	DC-HSDPA Subclass-4	18.94	18.91	18.87	19.80	18.21	18.40	18.21
3GPP Rel 6	HSUPA Subclass-1	18.88	18.95	18.93	19.80	18.25	18.38	18.20
3GPP Rel 6	HSUPA Subclass-2	18.80	18.92	18.95	19.80	18.33	18.32	18.18
3GPP Rel 6	HSUPA Subclass-3	18.87	19.03	18.91	19.80	18.25	18.41	18.24
3GPP Rel 6	HSUPA Subclass-4	18.90	19.00	18.93	19.80	18.32	18.37	18.32
3GPP Rel 6	HSUPA Subclass-5	18.87	19.04	19.01	19.80	18.33	18.30	18.28
3GPP Rel 7	HSFPA (16QAM) Subclass-1	18.94	18.98	19.00	19.80	18.23	18.30	18.27

Band	WCDMA V_Ant 5			Time-up Limit (dBm)	WCDMA V_Ant 6			Time-up Limit (dBm)	WCDMA V_Ant 11			Time-up Limit (dBm)	WCDMA V_Ant 15			Time-up Limit (dBm)
	TX Channel	1312	1413	1513	TX Channel	1537	1638	1738	TX Channel	1537	1638	1738	TX Channel	1537	1638	1738
Frequency (MHz)	1712.4	1752.6	1792.6		1712.4	1752.6	1792.6		1712.4	1752.6	1792.6		1712.4	1752.6	1792.6	
3GPP Rel 99	AMR 12.2Kbps	20.08	20.08	20.07	20.80	18.40	18.41	18.39	18.90	18.60	18.62	18.73	19.30	17.28	17.38	17.28
3GPP Rel 99	RMC 12.2Kbps	20.16	20.20	20.15	20.80	18.42	18.50	18.45	18.90	18.72	18.77	18.75	19.30	17.39	17.45	17.35
3GPP Rel 6	HSDPA Subclass-1	20.01	20.06	20.07	20.80	18.38	18.44	18.37	18.90	18.68	18.63	18.66	19.30	17.34	17.40	17.29
3GPP Rel 6	HSDPA Subclass-2	20.11	20.13	20.04	20.80	18.41	18.46	18.31	18.90	18.71	18.63	18.62	19.30	17.38	17.42	17.28
3GPP Rel 6	HSDPA Subclass-3	20.06	20.07	20.03	20.80	18.39	18.38	18.32	18.90	18.59	18.70	18.67	19.30	17.26	17.36	17.34
3GPP Rel 6	HSDPA Subclass-4	20.13	20.13	20.02	20.80	18.34	18.45	18.44	18.90	18.64	18.71	18.63	19.30	17.27	17.32	17.26
3GPP Rel 6	DC-HSDPA Subclass-1	20.15	20.19	20.03	20.80	18.36	18.41	18.31	18.90	18.68	18.73	18.73	19.30	17.35	17.44	17.22
3GPP Rel 6	DC-HSDPA Subclass-2	20.07	20.08	20.03	20.80	18.39	18.47	18.42	18.90	18.71	18.75	18.74	19.30	17.27	17.36	17.34
3GPP Rel 6	DC-HSDPA Subclass-3	20.09	20.09	20.10	20.80	18.27	18.48	18.41	18.90	18.59	18.74	18.68	19.30	17.34	17.37	17.20
3GPP Rel 6	DC-HSDPA Subclass-4	20.14	20.08	20.03	20.80	18.34	18.49	18.51	18.90	18.68	18.73	18.70	19.30	17.29	17.34	18.10
3GPP Rel 6	HSUPA Subclass-1	20.15	20.12	20.09	20.80	18.33	18.40	18.30	18.87	18.73	18.64	18.30	17.33	17.42	17.25	18.10
3GPP Rel 6	HSUPA Subclass-2	20.06	20.09	20.14	20.80	18.36	18.49	18.41	18.90	18.66	18.68	18.67	19.30	17.34	17.31	17.26
3GPP Rel 6	HSUPA Subclass-3	20.06	20.11	20.10	20.80	18.31	18.39	18.44	18.90	18.64	18.62	18.67	19.30	17.27	17.44	17.31
3GPP Rel 6	HSUPA Subclass-4	20.16	20.08	20.13	20.80	18.37	18.48	18.43	18.90	18.63	18.67	18.61	19.30	17.25	17.30	17.23
3GPP Rel 6	HSUPA Subclass-5	20.14	20.07	20.07	20.80	18.31	18.35	18.35	18.90	18.71	18.67	18.64	19.30	17.27	17.33	17.31
3GPP Rel 7	HSFPA (16QAM) Subclass-1	20.14	20.09	20.00	20.80	18.39	18.43	18.30	18.90	18.64	18.68	18.63	19.30	17.24	17.36	17.22

Band	WCDMA V_Ant 6			Time-up Limit (dBm)	WCDMA V_Ant 1			Time-up Limit (dBm)
	TX Channel	4192	4182	4233	TX Channel	4192	4182	4233
Frequency (MHz)	826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.25	20.36	20.31	20.90	23.17	23.20	23.22
3GPP Rel 99	RMC 12.2Kbps	20.32	20.40	20.35	20.90	23.22	23.30	23.25
3GPP Rel 6	HSDPA Subclass-1	20.27	20.27	20.26	20.90	23.10	23.29	23.13
3GPP Rel 6	HSDPA Subclass-2	20.19	20.34	20.32	20.90	23.29	23.26	23.29
3GPP Rel 6	HSDPA Subclass-3	20.29	20.33	20.21	20.90	22.63	22.80	22.89
3GPP Rel 6	HSDPA Subclass-4	20.17	20.30	20.30	20.90	22.61	22.73	22.85
3GPP Rel 6	DC-HSDPA Subclass-1	20.30	20.37	20.31	20.90	23.26	23.22	23.26
3GPP Rel 6	DC-HSDPA Subclass-2	20.29	20.29	20.27	20.90	23.18	23.19	23.19
3GPP Rel 6	DC-HSDPA Subclass-3	20.19	20.34	20.31	20.90	22.72	22.75	22.77
3GPP Rel 6	DC-HSDPA Subclass-4	20.21	20.34	20.26	20.90	22.73	22.67	22.73
3GPP Rel 6	HSUPA Subclass-1	20.18	20.33	20.34	20.90	22.25	22.25	22.29
3GPP Rel 6	HSUPA Subclass-2	20.24	20.25	20.22	20.90	22.28	22.28	22.28
3GPP Rel 6	HSUPA Subclass-3	20.17	20.38	20.28	20.90	22.29	22.27	22.28
3GPP Rel 6	HSUPA Subclass-4	20.22	20.27	20.22	20.90	21.81	21.75	21.83
3GPP Rel 6	HSUPA Subclass-5	20.17	20.29	20.31	20.90	23.07	23.19	23.15
3GPP Rel 7	HSFPA (16QAM) Subclass-1	20.17	20.31	20.27	20.90	22.25	22.31	22.21



Band 2_Ant 5										Band 2_Ant 6										Band 2_Ant 11										Band 2_Ant 7									
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)		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)		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)		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										Channel										Channel										Channel									
18700 18900 19100										18700 18900 19100										18700 18900 19100										18700 18900 19100									
20	QPSK	1	40	19.11	19.15	19.16	19.8	0		20	QPSK	1	40	19.16	19.22	19.23	19.4	0		20	QPSK	1	40	17.82	18.05	17.80	18.7	0		20	QPSK	1	40	14.83	14.88	14.89	16.4	0	
20	QPSK	1	40	19.11	19.15	19.16	19.8	0		20	QPSK	1	40	19.16	19.22	19.23	19.4	0		20	QPSK	1	40	17.82	18.05	17.80	18.7	0		20	QPSK	1	40	14.83	14.88	14.89	16.4	0	
20	QPSK	50	0	19.16	19.15	19.16	19.8	0		20	QPSK	50	0	19.20	19.40	19.30	19.4	0		20	QPSK	50	0	17.80	18.05	17.82	18.7	0		20	QPSK	50	0	14.80	14.90	14.90	16.4	0	
20	QPSK	50	24	19.88	19.15	19.89	19.8	0		20	QPSK	50	24	19.23	19.33	19.31	19.4	0		20	QPSK	50	24	17.85	17.85	17.76	18.7	0		20	QPSK	50	24	14.78	14.78	14.82	16.4	0	
20	QPSK	50	0	19.04	19.02	19.06	19.8	0		20	QPSK	50	0	19.24	19.36	19.35	19.4	0		20	QPSK	50	0	17.85	17.85	17.76	18.7	0		20	QPSK	50	0	14.74	14.71	14.83	16.4	0	
20	QPSK	100	0	19.02	19.10	19.00	19.8	0		20	QPSK	100	0	19.28	19.34	19.31	19.4	0		20	QPSK	100	0	17.82	17.85	17.84	18.7	0		20	QPSK	100	0	14.69	14.67	14.85	16.4	0	
20	16QAM	1	0	19.02	19.08	19.08	19.8	0		20	16QAM	1	0	19.23	19.36	19.33	19.4	0		20	16QAM	1	0	17.82	17.89	17.89	18.7	0		20	16QAM	1	0	14.67	14.72	14.76	16.4	0	
20	16QAM	1	49	19.09	19.05	19.06	19.8	0		20	16QAM	1	49	19.30	19.36	19.35	19.4	0		20	16QAM	1	49	17.82	17.85	17.81	18.7	0		20	16QAM	1	49	14.72	14.72	14.76	16.4	0	
20	16QAM	1	99	19.07	19.14	19.07	19.8	0		20	16QAM	1	99	19.24	19.35	19.27	19.4	0		20	16QAM	1	99	17.77	17.85	17.85	18.7	0		20	16QAM	1	99	14.70	14.64	14.83	16.4	0	
20	16QAM	50	0	19.00	19.01	19.00	19.8	0		20	16QAM	50	0	19.22	19.33	19.24	19.4	0		20	16QAM	50	0	17.77	17.79	17.86	18.7	0		20	16QAM	50	0	14.72	14.61	14.82	16.4	0	
20	16QAM	50	24	19.00	19.07	19.06	19.8	0		20	16QAM	50	24	19.23	19.33	19.36	19.4	0		20	16QAM	50	24	17.86	17.85	17.84	18.7	0		20	16QAM	50	24	14.67	14.63	14.54	16.4	0	
20	16QAM	50	0	19.08	19.13	19.06	19.8	0		20	16QAM	50	0	19.24	19.34	19.31	19.4	0		20	16QAM	50	0	17.80	17.81	17.72	18.7	0		20	16QAM	50	0	14.68	14.66	14.78	16.4	0	
20	16QAM	1	99	19.07	19.14	19.07	19.8	0		20	16QAM	1	99	19.24	19.35	19.27	19.4	0		20	16QAM	1	99	17.77	17.85	17.85	18.7	0		20	16QAM	1	99	14.70	14.64	14.83	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.31	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.78	17.86	18.7	0		20	16QAM	1	99	14.69	14.67	14.85	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.78	17.86	18.7	0		20	16QAM	1	99	14.69	14.67	14.85	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70	16.4	0	
20	16QAM	1	99	19.07	19.13	19.06	19.8	0		20	16QAM	1	99	19.25	19.34	19.27	19.4	0		20	16QAM	1	99	17.78	17.77	17.86	18.7	0		20	16QAM	1	99	14.69	14.68	14.84	16.4	0	
20	16QAM	50	0	19.05	19.03	19.07	19.8	0		20	16QAM	50	0	19.21	19.30	19.30	19.4	0		20	16QAM	50	0	17.75	17.81	17.80	18.7	0		20	16QAM	50	0	14.74	14.81	14.70			

[illegible]

Band 4_Ant 6										
RF Mhz	Modulation	RB Size	RF Offset	Power Ch. 1/Freq.	Power Ch. 2/Freq.	Power Ch. 3/Freq.	Turn-up rate (dBm)	MPE (dB)		
Channel										
Frequency (MHz)				20095	20175	20195				
20	QPSK	1	0	17.20	17.32	17.45				
20	QPSK	1	0	17.50	17.62	17.75				
20	QPSK	1	69	17.52	17.64	17.77	18.6	0		
20	QPSK	50	24	17.54	17.66	17.79				
20	QPSK	50	50	17.52	17.63	17.76				
20	QPSK	100	0	17.54	17.66	17.79				
20	HQPSK	1	69	17.51	17.63	17.76				
20	HQPSK	1	69	17.58	17.68	17.81	18.6	0		
20	HQPSK	50	24	17.45	17.53	17.65				
20	HQPSK	50	50	17.53	17.63	17.74				
20	HQPSK	100	0	17.53	17.63	17.76				
20	HQPSK	100	0	17.58	17.68	17.81				
20	HQPSK	1	0	17.58	17.68	17.81	18.6	0		
20	HQPSK	1	69	17.51	17.63	17.76				
20	HQPSK	50	0	17.51	17.62	17.75				
20	HQPSK	50	50	17.51	17.62	17.75	18.6	0		
20	HQPSK	100	0	17.54	17.68	17.81				
20	HQPSK	100	0	17.54	17.68	17.81				
20	HQPSK	1	69	17.59	17.69	17.82	18.6	0		
20	HQPSK	50	24	17.59	17.69	17.82				
20	HQPSK	50	24	17.47	17.60	17.73				
20	HQPSK	50	50	17.50	17.64	17.78				
20	HQPSK	100	0	17.50	17.64	17.78				
20	HQPSK	100	0	17.53	17.67	17.80				
Channel										
Frequency (MHz)				20015	20175	20195	Turn-up rate (dBm)	MPE (dB)		
15	QPSK	1	0	17.54	17.63	17.76				
15	QPSK	1	69	17.44	17.54	17.64	18.6	0		
15	QPSK	1	74	17.46	17.49	17.51				
15	QPSK	50	24	17.48	17.54	17.61				
15	QPSK	50	24	17.44	17.54	17.63	18.6	0		
15	QPSK	38	30	17.37	17.41	17.45				
15	QPSK	74	0	17.33	17.44	17.55				
15	QPSK	74	0	17.34	17.46	17.57	18.6	0		
15	QPSK	1	37	17.43	17.50	17.57				
15	HQPSK	1	69	17.46	17.56	17.65				
15	HQPSK	38	30	17.46	17.55	17.61				
15	HQPSK	38	30	17.40	17.44	17.48	18.6	0		
15	HQPSK	74	0	17.43	17.48	17.53				
15	HQPSK	74	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.						
Channel										
Frequency (MHz)				20095 <th>20175<th>20195</th><th>Turn-up rate (dBm)</th><th>MPE (dB)</th><th></th><th></th></th>	20175 <th>20195</th> <th>Turn-up rate (dBm)</th> <th>MPE (dB)</th> <th></th> <th></th>	20195	Turn-up rate (dBm)	MPE (dB)		
15	QPSK	1	0	17.53	17.61	17.68				
15	QPSK	1	69	17.43	17.49	17.55	18.6	0		
15	QPSK	1	74	17.46	17.48	17.52				
15	QPSK	50	24	17.47	17.50	17.54				
15	QPSK	50	24	17.44	17.49	17.53	18.6	0		
15	QPSK	38	30	17.37	17.41	17.45				
15	QPSK	74	0	17.33	17.44	17.55				
15	QPSK	74	0	17.34	17.46	17.57	18.6	0		
15	QPSK	1	37	17.43	17.50	17.57				
15	HQPSK	1	69	17.46	17.56	17.65				
15	HQPSK	38	30	17.46	17.55	17.61				
15	HQPSK	38	30	17.40	17.44	17.48	18.6	0		
15	HQPSK	74	0	17.43	17.48	17.53				
15	HQPSK	74	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK	1	0	17.50	17.51	17.54				
15	HQPSK	1	69	17.43	17.45	17.47	18.6	0		
15	HQPSK	1	74	17.38	17.41	17.43				
15	HQPSK	38	0	17.50	17.52	17.57				
15	HQPSK	38	30	17.44	17.46	17.48	18.6	0		
15	HQPSK	38	30	17.42	17.47	17.52				
15	HQPSK	75	0	17.40	17.43	17.45				
15	HQPSK	75	0	17.48	17.53	17.58				
15	HQPSK</									

Band 4_Ant 11												
RF [MHz]	Modulation	RF BW [MHz]	RF Offset	Power [dBm]	Ch. Freq. [MHz]	Ch. Power [dBm]	Power [dBm]	Ch. Freq. [MHz]	Ch. Power [dBm]	Turn-on time (ms)	Magn. (dB)	
Channel												
				20095	20075	2005	17375	17355	1745			
20	QPSK	1	0	20.18	20.20	20.18				21	0	
20	QPSK	8	0	20.18	20.20	20.18						
20	QPSK	1	99	20.16	20.24	20.17						
20	QPSK	8	99	20.16	20.24	20.17						
20	QPSK	25	0	20.17	20.23	20.13				21	0	
20	QPSK	50	50	20.16	20.19	20.19						
20	QPSK	100	0	20.17	20.23	20.13						
20	16QAM	1	0	20.18	20.23	20.13						
20	16QAM	1	49	20.11	20.10	20.20				21	0	
20	16QAM	8	0	20.18	20.23	20.13						
20	16QAM	50	24	20.15	20.20	20.09				21	0	
20	16QAM	100	0	20.17	20.23	20.13						
20	16QAM	100	0	20.04	20.10	20.16						
20	16QAM	1	0	20.08	20.17	20.22						
20	16QAM	8	99	20.08	20.17	20.22						
20	16QAM	1	99	20.08	20.17	20.22						
20	16QAM	50	0	20.08	20.20	20.19						
20	16QAM	100	0	20.08	20.20	20.19				21	0	
20	16QAM	50	50	20.04	20.20	20.13						
20	16QAM	100	0	20.05	20.23	20.07						
20	16QAM	100	0	20.18	20.23	20.13						
20	16QAM	1	49	18.17	18.20	18.18				19.5		
20	16QAM	1	99	18.15	18.23	18.14						
20	16QAM	50	50	18.18	18.21	18.21						
20	16QAM	50	24	18.10	18.25	18.24				19.5		
20	16QAM	50	0	18.21	18.25	18.19						
20	16QAM	50	0	18.20	18.20	18.18						
Channel												
				20095	20075	2005	17375	17355	1745	Turn-on time (ms)	Magn. (dB)	
15	QPSK	1	0	17.17	17.20	17.08				21	0	
15	QPSK	8	0	17.12	17.25	17.16						
15	QPSK	1	99	17.04	17.20	17.05						
15	QPSK	8	99	17.04	17.20	17.05						
15	QPSK	36	0	20.08	20.23	20.16				21	0	
15	QPSK	36	0	20.08	20.23	20.16						
15	QPSK	36	99	20.08	20.24	20.04						
15	16QAM	1	0	18.08	18.20	18.15				19.5	1.5	
15	16QAM	1	99	18.08	18.20	18.15						
15	16QAM	1	37	19.06	19.18	19.10				21	0	
15	16QAM	1	99	19.06	19.18	19.10						
15	16QAM	36	0	20.08	20.23	20.16						
15	16QAM	36	20	19.09	19.28	19.20				21	0	
15	16QAM	36	99	19.09	19.28	19.20						
15	16QAM	75	0	19.02	20.14	19.07						
15	16QAM	1	0	19.01	20.15	19.07						
15	16QAM	37	0	19.02	20.15	19.07						
15	16QAM	1	99	19.01	20.15	19.07						
15	16QAM	1	99	19.01	20.15	19.07						
15	16QAM	36	0	19.03	20.27	19.17						
15	16QAM	36	99	19.03	20.27	19.08				21	0	
15	16QAM	75	0	19.04	20.12	19.07						
15	16QAM	1	0	18.08	18.20	18.15				19.5	1.5	
15	16QAM	1	99	18.08	18.20	18.15						
15	16QAM	1	37	19.06	19.18	19.10				19.5	1.5	
15	16QAM	1	99	19.06	19.18	19.10						
15	16QAM	36	20	17.96	18.18	18.09				19.5	1.5	
15	16QAM	36	99	17.96	18.24	18.23						
15	16QAM	36	0	18.11	18.21	18.21						
Channel												
				20095	20077	2005	17375	17355	1745	Turn-on time (ms)	Magn. (dB)	
15	QPSK	1	0	17.15	17.20	17.15				21	0	
15	QPSK	8	0	17.10	17.25	17.10						
15	QPSK	1	99	17.02	17.22	17.02						
15	QPSK	8	99	17.02	17.22	17.02						
15	QPSK	25	0	20.03	20.21	20.07				21	0	
15	QPSK	25	0	20.03	20.21	20.07						
15	QPSK	25	99	20.03	20.21	20.07						
15	16QAM	1	0	18.04	18.16	18.16				21	0	
15	16QAM	1	99	18.04	18.16	18.16						
15	16QAM	1	25	20.04	20.04	20.18						
15	16QAM	1	99	20.04	20.04	20.18				21	0	
15	16QAM	25	0	20.01	20.19	20.19						
15	16QAM	25	12	20.02	20.24	19.99				21	0	
15	16QAM	25	99	20.02	20.24	19.99						
15	16QAM	50	0	19.97	20.01	20.01						
15	16QAM	1	0	19.98	20.08	20.03						
15	16QAM	1	99	19.98	20.08	20.03				21	0	
15	16QAM	1	99	19.98	20.08	20.03						
15	16QAM	1	49	20.10	20.07	19.99						
15	16QAM	25	0	20.05	20.20	20.07						
15	16QAM	25	12	20.03	20.20	20.07						
15	16QAM	25	99	20.03	20.20	20.07						
15	16QAM	50	0	19.93	20.12	19.97						
15	16QAM	50	12	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15	16QAM	50	0	19.92	20.20	19.97						
15												

Band 4_Ant 7										
RF [MHz]	Modulation	RB Size	Ch Offset	Power Ch [dBm]	Power Ref [dBm]	Power Ch [dBm]	Power Ref [dBm]	Turn-up time (min)	MPE (dB)	
Channel										
Frequency (MHz)										
25	QPSK	1	0	17.00	17.00	17.00	17.00			
25	QPSK	1	40	16.99	16.99	16.99	16.99	17.8	0	
25	QPSK	1	96	17.01	17.01	17.01	17.01			
25	QPSK	80	24	16.98	17.04	16.98	17.04			
25	QPSK	80	50	17.02	16.96	16.92	17.02	17.8	0	
25	QPSK	160	0	17.00	16.96	16.92	17.00			
25	16QAM	1	0	16.96	16.95	17.00	17.00			
25	16QAM	1	40	16.96	17.04	16.98	17.04	17.8	0	
25	16QAM	1	96	17.00	17.00	17.00	17.00			
25	16QAM	80	0	17.07	17.03	17.03	17.03			
25	16QAM	80	24	16.97	17.00	16.92	17.00	17.8	0	
25	16QAM	80	50	17.01	16.99	16.92	17.01			
25	16QAM	160	0	16.95	16.90	16.98	16.98			
25	16QAM	1	0	17.00	16.97	17.00	17.00			
25	16QAM	1	40	17.01	16.98	16.92	17.01	17.8	0	
25	16QAM	1	96	17.00	17.00	17.00	17.00			
25	16QAM	80	0	17.06	17.06	16.91	17.06			
25	16QAM	80	24	17.01	16.98	16.92	17.01	17.8	0	
25	16QAM	80	50	16.95	17.00	16.95	17.00			
25	16QAM	160	0	17.04	17.05	17.04	17.04			
25	16QAM	1	0	16.95	16.90	16.98	16.98			
25	16QAM	1	40	16.94	15.55	15.43	16.94	16.8	0	
25	256QAM	1	96	16.43	15.52	15.42	16.43			
25	256QAM	80	24	16.92	15.52	15.42	16.92	16.8	0	
25	256QAM	80	50	16.93	15.51	15.43	16.93	16.8	0	
25	256QAM	160	0	16.43	15.48	15.43	16.43			
Channel										
Frequency (MHz)										
25	QPSK	1	0	17.17	17.04	17.05	17.05	Turn-up time (min)	MPE (dB)	
25	QPSK	1	0	16.99	16.99	17.01	17.01			
25	QPSK	1	40	16.99	16.99	16.99	16.99	17.8	0	
25	QPSK	1	74	16.99	16.92	16.97	16.97			
25	QPSK	80	0	17.00	17.01	16.98	17.00			
25	QPSK	80	24	17.02	16.98	16.92	17.02	17.8	0	
25	QPSK	160	0	16.98	16.98	16.93	16.98			
25	16QAM	1	0	16.94	16.92	16.98	16.98			
25	16QAM	1	40	16.94	16.92	16.94	16.94	17.8	0	
25	16QAM	1	96	16.94	16.92	16.94	16.94			
25	16QAM	80	0	16.95	16.90	16.93	16.95			
25	16QAM	80	24	16.93	16.91	16.88	16.93	17.8	0	
25	16QAM	80	50	16.93	16.91	16.88	16.93			
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89	16.93	17.8	0	
25	16QAM	80	24	16.93	16.88	16.89				
25	16QAM	80	50	16.93	16.88	16.89				
25	16QAM	160	0	16.91	16.86	16.90	16.90			
25	16QAM	1	0	16.93	16.90	16.93	16.93			
25	16QAM	1	40	16.93	16.90	16.88	16.93	17.8	0	
25	16QAM	1	96	16.93	16.90	16.88	16.93			
25	16QAM	80	0	16.93	16.88	16.89				

Band 5_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Time-use (int)	MFR (dB)		
Channel										
Frequency (MHz)										
				20450	20524	20600				
				520	536	544				
10	QPSK	1	0	23.50	23.70	23.93				
10	QPSK	1	25	23.91	23.92	22.88	24	0		
10	QPSK	1	49	23.92	23.93	22.87				
10	QPSK	25	0	22.50	23.00	23.50				
10	QPSK	25	12	23.00	22.96	22.90				
10	QPSK	25	25	22.85	23.03	22.83				
10	QPSK	50	0	22.50	23.00	22.94				
10	QPSK	1	0	23.03	23.03	22.92	24	0		
10	QPSK	1	25	22.98	22.95	23.02				
10	QPSK	1	49	22.99	23.03	22.89				
10	QPSK	25	0	23.02	22.98	23.05				
10	QPSK	25	12	23.03	22.93	23.01				
10	QPSK	25	25	22.94	23.03	22.91				
10	QPSK	50	0	23.00	23.00	22.95				
10	QPSK	1	0	22.90	22.94	22.51	24	0		
10	QPSK	1	49	22.65	22.65	22.49				
10	QPSK	25	0	21.84	21.97	22.00				
10	QPSK	25	12	21.87	21.97	22.04				
10	QPSK	25	25	21.96	21.98	21.84				
10	QPSK	50	0	21.99	22.01	21.90				
10	SSBQAM	1	0	18.62	18.66	18.54				
10	SSBQAM	1	25	18.62	18.63	18.52	20	4		
10	SSBQAM	1	49	18.60	18.67	18.48				
10	SSBQAM	25	0	18.44	18.59	18.45				
10	SSBQAM	25	12	18.44	18.59	18.42				
10	SSBQAM	25	25	18.47	18.57	18.44				
10	SSBQAM	50	0	18.52	18.62	18.50				
Channel										
Frequency (MHz)										
				301.5	306.6	308.5	Turn-on (int)	MFR (dB)		
				301.5	306.6	308.5				
5	QPSK	1	0	22.83	22.89	22.96				
5	QPSK	1	12	22.83	22.89	22.97	24	0		
5	QPSK	1	24	22.78	23.02	22.97				
5	QPSK	12	0	22.91	23.03	22.97				
5	QPSK	12	7	22.85	22.81	22.79				
5	QPSK	1	0	22.91	23.03	22.97	24	0		
5	QPSK	25	0	22.80	22.94	22.89				
5	QPSK	1	0	22.62	22.93	22.90				
5	QPSK	1	12	22.64	22.92	22.90				
5	QPSK	1	24	22.54	22.89	22.88				
5	QPSK	12	0	22.75	22.92	22.92				
5	QPSK	12	7	22.65	22.95	22.90				
5	QPSK	12	13	22.70	22.94	22.80				
5	QPSK	25	0	22.60	23.05	22.83				
5	QPSK	25	12	22.60	22.94	22.88				
5	QPSK	25	25	22.54	22.94	22.88				
5	QPSK	1	0	22.57	22.99	22.90	24	0		
5	QPSK	1	12	22.54	22.94	22.88				
5	QPSK	12	0	21.74	21.89	21.88				
5	QPSK	12	7	21.97	21.96	21.94				
5	QPSK	12	13	21.94	21.96	21.96	23	1		
5	QPSK	25	0	21.85	21.96	21.87				
5	SSBQAM	1	0	18.40	18.54	18.43				
5	SSBQAM	1	12	18.35	18.55	18.40	20	4		
5	SSBQAM	1	24	18.44	18.51	18.36				
5	SSBQAM	12	0	18.30	18.55	18.46				
5	SSBQAM	12	7	18.30	18.57	18.31				
5	SSBQAM	12	13	18.43	18.42	18.38				
5	SSBQAM	25	0	18.48	18.52	18.48				
Channel										
Frequency (MHz)										
				301.5	306.6	308.5	Turn-on (int)	MFR (dB)		
				301.5	306.6	308.5				
3	QPSK	1	0	22.97	23.03	23.01				
3	QPSK	1	8	22.78	22.96	22.83	24	0		
3	QPSK	1	16	22.83	23.03	22.97				
3	QPSK	8	0	22.98	23.07	22.96				
3	QPSK	8	4	22.84	22.88	22.77				
3	QPSK	8	12	22.80	23.03	22.93				
3	QPSK	16	0	22.83	23.03	22.95				
3	QPSK	1	0	22.67	22.94	22.88	24	0		
3	QPSK	1	8	22.64	22.93	22.84				
3	QPSK	1	16	22.67	22.98	22.96				
3	QPSK	8	0	22.77	22.78	22.77				
3	QPSK	8	4	22.65	22.63	22.54				
3	QPSK	8	12	22.67	22.68	22.58				
3	QPSK	16	0	22.70	22.89	22.85				
3	QPSK	1	0	22.46	22.96	22.82				
3	QPSK	1	8	22.58	22.62	22.50				
3	QPSK	1	16	22.57	22.60	22.38				
3	QPSK	8	0	21.75	21.85	21.88				
3	QPSK	8	4	21.80	21.86	21.74				
3	QPSK	8	12	21.86	21.87	21.76				
3	QPSK	16	0	21.86	21.91	21.76				
3	SSBQAM	1	0	18.40	18.63	18.48				
3	SSBQAM	1	8	18.35	18.56	18.42	20	4		
3	SSBQAM	1	16	18.34	18.56	18.44				
3	SSBQAM	8	0	18.39	18.47	18.40				
3	SSBQAM	8	4	18.39	18.47	18.40				
3	SSBQAM	8	12	18.39	18.47	18.40				
3	SSBQAM	16	0	18.41	18.37	18.47				
Channel										
Frequency (MHz)										
				304.7	306.6	308.5	Turn-on (int)	MFR (dB)		
				304.7	306.6	308.5				
1.4	QPSK	1	0	22.88	22.98	22.92				
1.4	QPSK	1	3	22.85	23.01	22.88				
1.4	QPSK	1	6	22.84	23.01	22.77				
1.4	QPSK	3	0	22.91	23.09	22.89				
1.4	QPSK	3	1	22.67	22.69	22.96	24	0		
1.4	QPSK	3	3	22.61	22.69	22.80				
1.4	QPSK	6	0	22.89	23.03	22.95				
1.4	QPSK	1	0	22.64	22.93	22.85	24	0		
1.4	QPSK	1	3	22.64	22.99	22.79				
1.4	QPSK	1	6	22.61	22.99	22.84				
1.4	QPSK	3	0	22.66	22.90	22.81				
1.4	QPSK	3	1	22.67	22.89	22.99				
1.4	QPSK	6	0	22.63	22.80	22.77				
1.4	QPSK	1	0	22.67	23.02	22.90				
1.4	QPSK	1	3	22.64	22.99	22.79				
1.4	QPSK	1	6	22.63	22.98	22.44				
1.4	QPSK	3	0	22.55	22.61	22.48				
1.4	QPSK	3	1	22.52	22.58	22.49				
1.4	QPSK	3	3	22.54	22.49	22.41				
1.4	QPSK	6	0	22.50	22.63	22.44				
1.4	QPSK	1	0	21.90	21.93	21.85	23	1		
1.4	QPSK	1	3	21.94	21.93	21.85				
1.4	QPSK	1	6	21.94	21.94	21.85				
1.4	QPSK	3	0	21.90	21.94	21.83				
1.4	QPSK	3	1	21.90	21.96	21.80				
1.4	QPSK	3	3	21.90	21.96	21.80				
1.4	SSBQAM	1	0	18.54	18.54	18.45				
1.4	SSBQAM	1	3	18.54	18.54	18.40	20	4		
1.4	SSBQAM	1	6	18.50	18.44	18.33				
1.4	SSBQAM	3	0	18.30	18.56	18.20				
1.4	SSBQAM	3	1	18.30	18.56	18.20				
1.4	SSBQAM	3	3	18.46	18.58	18.48				

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use (ms)	MFR (dB)		
Channel										
Frequency (MHz)				2500	3385.5	3443				
10	QPSK	1	0	18.50	18.50	18.50				
10	QPSK	1	25	18.94	18.94	18.91	20	0		
10	QPSK	1	49	18.93	18.97	18.92				
10	QPSK	25	0	18.50	18.50	18.50				
10	QPSK	25	12	18.90	18.85	18.95				
10	QPSK	25	25	18.88	18.85	18.95				
10	QPSK	50	0	18.90	18.90	18.84				
10	QPSK	1	0	18.82	18.85	18.93	20	0		
10	QPSK	1	25	18.84	18.93	18.93				
10	QPSK	1	49	18.83	18.96	18.97				
10	QPSK	25	0	18.92	18.98	18.84				
10	QPSK	25	12	18.92	18.94	18.95				
10	QPSK	25	25	18.89	18.86	18.87				
10	QPSK	50	0	18.84	18.84	18.84				
10	QPSK	50	12	18.87	18.86	18.86				
10	QPSK	1	25	18.21	18.32	18.29	19.5	0.5		
10	QPSK	1	49	18.24	18.30	18.15				
10	QPSK	25	0	18.30	18.30	18.30				
10	QPSK	25	12	18.30	18.29	18.31				
10	QPSK	25	25	18.13	18.21	18.16				
10	QPSK	50	0	18.20	18.31	18.20				
10	QPSK	50	12	18.20	18.31	18.20				
10	QPSK	50	25	18.20	18.31	18.20				
Channel										
Frequency (MHz)				3263	3363.5	3463.5	Time-use (ms)	MFR (dB)		
10	QPSK	1	0	18.50	18.50	18.50				
10	QPSK	1	12	18.93	18.88	18.87				
10	QPSK	1	24	18.86	18.85	18.85	20	0		
10	QPSK	1	48	18.87	18.90	18.89				
10	QPSK	12	7	18.81	18.79	18.82				
10	QPSK	12	13	18.71	18.64	18.83				
10	QPSK	12	19	18.65	18.64	18.74				
10	QPSK	1	0	18.80	18.80	18.79				
10	QPSK	1	12	18.80	18.80	18.79				
10	QPSK	1	18	18.81	18.81	18.81	20	0		
10	QPSK	1	24	18.87	18.87	18.79				
10	QPSK	12	7	18.84	18.83	18.79				
10	QPSK	12	13	18.84	18.83	18.74				
10	QPSK	12	19	18.84	18.75	18.81				
10	QPSK	1	0	18.80	18.87	18.80				
10	QPSK	1	12	18.83	18.83	18.80				
10	QPSK	1	24	18.81	18.87	18.86				
10	QPSK	12	0	18.70	18.77	18.86				
10	QPSK	12	6	18.71	18.67	18.86				
10	QPSK	12	13	18.50	18.59	18.86				
10	QPSK	25	0	18.80	18.82	18.80				
10	QPSK	25	12	18.82	18.83	18.80				
10	QPSK	25	25	18.20	18.20	18.19				
10	QPSK	1	12	18.20	18.21	18.22	19.5	0.5		
10	QPSK	1	24	18.17	18.27	18.20				
10	QPSK	12	0	18.20	18.20	18.20				
10	QPSK	12	6	18.20	18.13	18.20				
10	QPSK	12	13	18.10	18.13	18.24				
10	QPSK	25	0	18.10	18.10	18.15				
Channel										
Frequency (MHz)				3263	3363.5	3463.5	Time-use (ms)	MFR (dB)		
10	QPSK	1	0	18.50	18.50	18.50				
10	QPSK	1	8	18.90	18.90	18.82				
10	QPSK	1	14	18.91	18.83	18.80				
10	QPSK	1	20	18.90	18.86	18.80				
10	QPSK	8	4	18.80	18.71	18.72				
10	QPSK	8	7	18.82	18.84	18.89				
10	QPSK	15	0	18.79	18.81	18.85				
10	QPSK	1	0	18.79	18.83	18.90				
10	QPSK	1	8	18.79	18.84	18.86				
10	QPSK	8	4	18.79	18.81	18.85				
10	QPSK	8	7	18.79	18.85	18.81				
10	QPSK	8	14	18.79	18.79	18.76				
10	QPSK	15	0	18.76	18.84	18.91				
10	QPSK	15	8	18.76	18.80	18.85				
10	QPSK	15	14	18.76	18.87	18.87				
10	QPSK	8	0	18.75	18.71	18.80				
10	QPSK	8	8	18.75	18.80	18.87				
10	QPSK	8	7	18.75	18.76	18.74				
10	QPSK	15	0	18.63	18.69	18.74				
10	QPSK	15	8	18.63	18.65	18.65				
10	QPSK	15	14	18.63	18.64	18.65				
10	QPSK	1	8	18.10	18.29	18.14	19.5	0.5		
10	QPSK	1	14	18.10	18.27	18.14				
10	QPSK	15	0	18.10	18.10	18.10				
10	QPSK	15	8	18.10	18.10	18.10				
10	QPSK	15	14	18.10	18.19	18.10				
10	QPSK	8	4	18.04	18.19	18.09	19.5	0.5		
10	QPSK	8	7	18.04	18.21	18.04				
10	QPSK	15	0	18.04	18.04	18.04				
Channel										
Frequency (MHz)				3267	3367.5	3467.5	Time-use (ms)	MFR (dB)		
10	QPSK	1	0	18.50	18.50	18.50				
10	QPSK	1	3	18.90	18.93	18.98				
10	QPSK	1	6	18.89	18.85	18.89				
10	QPSK	3	0	18.87	18.87	18.83	20	0		
10	QPSK	3	1	18.76	18.83	18.91				
10	QPSK	3	3	18.72	18.80	18.83				
10	QPSK	6	0	18.70	18.79	18.84				
10	QPSK	1	0	18.60	18.70	18.83				
10	QPSK	1	3	18.78	18.80	18.79				
10	QPSK	1	6	18.77	18.82	18.86				
10	QPSK	3	0	18.77	18.86	18.89				
10	QPSK	3	1	18.70	18.82	18.81				
10	QPSK	3	3	18.72	18.72	18.72				
10	QPSK	6	0	18.62	18.74	18.76				
10	QPSK	1	0	18.60	18.69	18.94				
10	QPSK	1	3	18.69	18.70	18.78				
10	QPSK	1	6	18.69	18.70	18.78				
10	QPSK	3	0	18.70	18.73	18.80				
10	QPSK	3	1	18.69	18.74	18.80				
10	QPSK	3	3	18.60	18.94	18.75				
10	QPSK	6	0	18.72	18.84	18.94	20	0		
10	QPSK	6	3	18.69	18.74	18.74				
10	QPSK	1	3	18.10	18.29	18.14				
10	QPSK	1	3	18.10	18.29	18.14				
10	QPSK	3	0	18.10	18.26	18.05	19.5	0.5		
10	QPSK	3	1	18.10	18.26	18.05				
10	QPSK	3	1	18.20	18.20	18.02				
10	QPSK	6	0	18.20	18.20	18.02				
10	QPSK	6	3	18.20	18.20	18.02	19.5	0.5		

Band 7_Ant 11									
BW (Hz)	Modulation	RE Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Timeup int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
21500 21500 21500									
20	QPSK	1	0	16.55	16.69	16.52			
20	QPSK	1	40	16.74	16.76	16.75	17.4	0	
20	QPSK	1	80	16.85	16.87	16.86			
20	QPSK	50	0	16.75	16.85	16.78			
20	QPSK	50	24	16.69	16.80	16.69	17.4	0	
20	QPSK	50	50	16.72	16.74	16.76			
20	QPSK	100	0	16.76	16.82	16.75			
20	HQAM	1	0	16.67	16.67	16.78	17.4	0	
20	HQAM	1	40	16.70	16.76	16.77			
20	HQAM	1	80	16.74	16.75	16.69			
20	HQAM	50	0	16.68	16.75	16.70			
20	HQAM	50	24	16.69	16.85	16.70	17.4	0	
20	HQAM	50	50	16.70	16.74	16.67			
20	HQAM	100	0	16.67	16.74	16.73			
20	HQAM	1	0	16.77	16.86	16.74			
20	HQAM	1	40	16.69	16.80	16.68	17.4	0	
20	HQAM	1	80	16.70	16.75	16.75			
20	HQAM	50	0	16.71	16.83	16.81			
20	HQAM	50	24	16.69	16.75	16.70	17.4	0	
20	HQAM	50	50	16.80	16.80	16.81			
20	HQAM	50	80	16.71	16.84	16.70			
20	HQAM	100	0	16.70	16.78	16.78			
20	HQAM	1	40	16.69	16.75	16.72	17.4	0	
20	HQAM	1	80	16.70	16.80	16.68			
20	HQAM	50	0	16.70	16.73	16.71			
20	HQAM	50	24	16.69	16.80	16.73	17.4	0	
20	HQAM	50	50	16.68	16.73	16.70			
20	HQAM	100	0	16.71	16.73	16.80			
Channel									
21505 21500 21575									
Frequency (MHz)									
15	QPSK	1	0	16.76	16.86	16.79			
15	QPSK	1	37	16.67	16.65	16.74	17.4	0	
15	QPSK	1	74	16.80	16.83	16.80			
15	QPSK	36	0	16.64	16.81	16.73			
15	QPSK	36	20	16.63	16.75	16.64	17.4	0	
15	QPSK	36	39	16.62	16.69	16.69			
15	QPSK	75	0	16.69	16.80	16.65			
15	HQAM	1	0	16.66	16.74	16.70	17.4	0	
15	HQAM	1	37	16.69	16.77	16.63			
15	HQAM	1	74	16.67	16.83	16.62			
15	HQAM	36	0	16.67	16.67	16.76			
15	HQAM	36	20	16.67	16.74	16.64	17.4	0	
15	HQAM	36	39	16.64	16.69	16.59			
15	HQAM	75	0	16.63	16.62	16.72			
15	HQAM	1	0	16.64	16.76	16.61			
15	HQAM	1	37	16.52	16.68	16.63	17.4	0	
15	HQAM	1	74	16.69	16.62	16.72			
15	HQAM	36	0	16.66	16.70	16.75			
15	HQAM	36	20	16.59	16.63	16.71	17.4	0	
15	HQAM	36	39	16.53	16.72	16.76			
15	HQAM	75	0	16.65	16.76	16.68			
15	HQAM	1	0	16.70	16.74	16.68	17.4	0	
15	HQAM	1	37	16.68	16.74	16.58			
15	HQAM	1	74	16.67	16.65	16.63			
15	HQAM	36	0	16.71	16.59	16.57			
15	HQAM	36	20	16.69	16.68	16.59	17.4	0	
15	HQAM	36	39	16.54	16.64	16.72			
15	HQAM	75	0	16.57	16.64	16.68			
Channel									
21580 21500 21600									
Frequency (MHz)									
10	QPSK	1	0	16.76	16.83	16.74			
10	QPSK	1	25	16.69	16.63	16.72	17.4	0	
10	QPSK	1	49	16.81	16.83	16.70			
10	QPSK	25	0	16.70	16.77	16.65			
10	QPSK	25	12	16.64	16.74	16.58	17.4	0	
10	QPSK	25	24	16.62	16.71	16.71			
10	QPSK	50	0	16.76	16.69	16.69			
10	HQAM	1	0	16.54	16.61	16.71	17.4	0	
10	HQAM	1	25	16.71	16.72	16.70			
10	HQAM	1	49	16.69	16.62	16.55			
10	HQAM	25	0	16.63	16.67	16.75			
10	HQAM	25	12	16.69	16.79	16.57	17.4	0	
10	HQAM	25	24	16.71	16.65	16.58			
10	HQAM	50	0	16.69	16.70	16.59			
10	HQAM	1	0	16.72	16.80	16.65			
10	HQAM	1	25	16.59	16.73	16.62	17.4	0	
10	HQAM	1	49	16.62	16.74	16.74			
10	HQAM	25	0	16.69	16.62	16.70			
10	HQAM	25	12	16.60	16.60	16.77	17.4	0	
10	HQAM	25	24	16.56	16.76	16.70			
10	HQAM	50	0	16.67	16.71	16.59			
10	HQAM	1	0	16.77	16.73	16.73	17.4	0	
10	HQAM	1	25	16.56	16.74	16.71			
10	HQAM	1	49	16.67	16.68	16.61			
10	HQAM	25	0	16.70	16.60	16.57			
10	HQAM	25	12	16.67	16.68	16.66	17.4	0	
10	HQAM	25	24	16.59	16.65	16.74			
10	HQAM	50	0	16.58	16.63	16.69			
Channel									
21575 21500 21425									
Frequency (MHz)									
5	QPSK	1	0	16.71	16.82	16.71			
5	QPSK	1	12	16.72	16.72	16.69	17.4	0	
5	QPSK	1	24	16.50	16.83	16.72			
5	QPSK	12	0	16.68	16.82	16.75			
5	QPSK	12	7	16.51	16.68	16.65	17.4	0	
5	QPSK	12	13	16.65	16.81	16.70			
5	QPSK	25	0	16.63	16.67	16.66			
5	HQAM	1	0	16.55	16.80	16.76	17.4	0	
5	HQAM	1	12	16.77	16.79	16.62			
5	HQAM	1	24	16.63	16.67	16.63			
5	HQAM	12	0	16.64	16.67	16.68			
5	HQAM	12	7	16.58	16.60	16.55	17.4	0	
5	HQAM	12	13	16.62	16.70	16.64			
5	HQAM	25	0	16.62	16.62	16.59			
5	HQAM	1	0	16.62	16.62	16.67	17.4	0	
5	HQAM	1	12	16.57	16.66	16.64			
5	HQAM	1	24	16.67	16.62	16.67			
5	HQAM	12	0	16.66	16.62	16.76			
5	HQAM	12	7	16.62	16.63	16.64	17.4	0	
5	HQAM	12	13	16.56	16.70	16.76			
5	HQAM	25	0	16.57	16.61	16.60			
5	HQAM	1	0	16.74	16.69	16.72	17.4	0	
5	HQAM	1	24	16.63	16.77	16.62			
5	HQAM	12	0	16.66	16.62	16.66			
5	HQAM	12	7	16.57	16.68	16.70	17.4	0	
5	HQAM	12	13	16.63	16.63	16.76			
5	HQAM	25	0	16.66	16.65	16.68			

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 int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20505 21500 21500									
20	QPSK	1	0	17.55	16.60	16.30			
20	QPSK	1	40	17.38	17.60	16.16	19	0	
20	QPSK	1	80	17.30	17.61	16.17			
20	QPSK	50	0	17.55	17.60	16.28			
20	QPSK	50	24	17.41	17.67	16.23	19	0	
20	QPSK	50	50	17.40	17.65	16.26			
20	QPSK	100	0	17.45	17.67	16.23			
20	HQAM	1	0	17.36	17.68	16.23			
20	HQAM	1	40	17.29	17.65	16.27	19	0	
20	HQAM	1	80	17.35	17.66	16.26			
20	HQAM	50	0	17.46	17.67	16.23			
20	HQAM	50	24	17.45	17.68	16.17	19	0	
20	HQAM	50	50	17.40	17.64	16.26			
20	HQAM	100	0	17.46	17.60	16.23			
20	HQAM	1	0	17.47	17.66	16.26			
20	HQAM	1	40	17.47	17.60	16.23	19	0	
20	HQAM	1	80	17.45	17.68	16.24			
20	HQAM	50	0	17.43	17.62	16.16			
20	HQAM	50	24	17.45	17.65	16.16	19	0	
20	HQAM	50	50	17.44	17.65	16.16			
20	HQAM	100	0	17.40	17.68	16.26			
20	HQAM	1	0	14.50	14.67	15.17			
20	HQAM	1	40	14.50	14.62	15.14	16	3	
20	HQAM	1	80	14.45	14.65	15.07			
20	HQAM	50	0	14.50	14.61	15.05			
20	HQAM	50	24	14.50	14.73	15.02	16	3	
20	HQAM	50	50	14.52	14.67	15.05			
20	HQAM	100	0	14.48	14.68	15.01			
Channel									
Frequency (MHz)									
20505 21500 21500									
15	QPSK	1	0	17.46	17.61	16.26			
15	QPSK	1	40	17.29	17.65	16.27	19	0	
15	QPSK	1	80	17.35	17.66	16.26			
15	QPSK	1	14	17.30	17.65	16.10			
15	QPSK	50	0	17.31	17.67	16.23			
15	QPSK	50	20	17.25	17.63	16.23	19	0	
15	QPSK	50	36	17.20	17.65	16.19			
15	QPSK	36	50	17.35	17.62	16.20			
15	QPSK	75	0	17.32	17.67	16.23			
15	HQAM	1	0	17.32	17.65	16.19			
15	HQAM	1	37	17.36	17.65	16.22	19	0	
15	HQAM	1	74	17.41	17.66	16.19			
15	HQAM	36	0	17.40	17.63	16.11			
15	HQAM	36	20	17.40	17.63	16.11	19	0	
15	HQAM	36	36	17.41	17.63	16.11			
15	HQAM	75	0	17.42	17.65	16.15			
15	HQAM	75	0	17.46	17.62	16.14			
15	HQAM	1	0	17.37	17.66	16.23			
15	HQAM	1	74	17.41	17.62	16.13			
15	HQAM	36	0	17.35	17.64	16.07			
15	HQAM	36	20	17.35	17.64	16.07	19	0	
15	HQAM	36	36	17.32	17.62	16.17			
15	HQAM	75	0	17.36	17.66	16.18			
15	HQAM	75	0	17.40	17.62	16.13			
15	HQAM	1	37	14.38	14.71	15.04	16	3	
15	HQAM	1	74	14.41	14.79	15.02			
15	HQAM	36	0	14.42	14.69	15.03	16	3	
15	HQAM	36	20	14.29	14.70	15.02			
15	HQAM	36	36	14.28	14.69	15.13			
15	HQAM	75	0	14.40	14.68	15.01			
Channel									
Frequency (MHz)									
20505 21500 21500									
10	QPSK	1	0	17.38	17.61	16.26			
10	QPSK	1	25	17.25	17.61	16.18	19	0	
10	QPSK	1	49	17.30	17.61	16.08			
10	QPSK	25	0	17.39	17.65	16.18			
10	QPSK	25	12	17.24	17.63	16.18	19	0	
10	QPSK	25	25	17.29	17.62	16.20			
10	QPSK	50	0	17.34	17.66	16.15			
10	QPSK	50	1	17.27	17.61	16.15	19	0	
10	HQAM	1	0	17.25	17.64	16.10			
10	HQAM	1	25	17.25	17.64	16.15	19	0	
10	HQAM	1	49	17.47	17.65	16.10			
10	HQAM	25	0	17.44	17.67	16.04			
10	HQAM	25	12	17.44	17.67	16.04	19	0	
10	HQAM	25	25	17.40	17.66	16.13			
10	HQAM	50	0	17.32	17.65	16.21			
10	HQAM	1	0	17.38	17.65	16.25			
10	HQAM	1	25	17.41	17.65	16.20	19	0	
10	HQAM	1	49	17.43	17.63	16.21			
10	HQAM	25	0	17.33	17.78	16.06			
10	HQAM	25	12	17.33	17.78	16.06	19	0	
10	HQAM	25	25	17.32	17.70	16.11			
10	HQAM	50	0	17.46	17.78	16.22			
10	HQAM	1	0	14.44	14.70	15.03	16	3	
10	HQAM	1	25	14.38	14.67	15.08			
10	HQAM	25	12	14.27	14.63	14.99	16	3	
10	HQAM	25	25	14.42	14.69	15.03			
10	HQAM	50	0	14.41	14.68	15.01			
10	HQAM	50	25	14.51	14.61	15.05	16	3	
10	HQAM	100	0	14.42	14.68	15.01			
Channel									
Frequency (MHz)									
20505 21500 21500									
5	QPSK	1	0	17.45	17.64	16.23			
5	QPSK	1	12	17.33	17.63	16.18	19	0	
5	QPSK	1	24	17.26	17.63	16.12			
5	QPSK	12	0	17.35	17.60	16.22			
5	QPSK	12	7	17.33	17.61	16.18	19	0	
5	QPSK	12	13	17.26	17.61	16.17			
5	QPSK	25	0	17.37	17.66	16.20			
5	HQAM	1	0	17.26	17.64	16.11			
5	HQAM	1	12	17.36	17.65	16.13	19	0	
5	HQAM	1	24	17.43	17.65	16.18			
5	HQAM	12	0	17.43	17.65	16.02			
5	HQAM	12	7	17.35	17.68	16.02	19	0	
5	HQAM	12	13	17.29	17.67	16.03			
5	HQAM	25	0	17.38	17.65	16.19			
5	HQAM	25	0	17.34	17.78	16.23			
5	HQAM	1	12	17.41	17.66	16.08	19	0	
5	HQAM	1	24	17.41	17.67	16.18			
5	HQAM	12	0	17.36	17.65	16.05			
5	HQAM	12	7	17.36	17.65	16.05	19	0	
5	HQAM	12	13	17.36	17.76	16.11			
5	HQAM	25	0	17.27	17.78	16.24			
5	HQAM	25	0	14.42	14.67	15.03	16	3	
5	HQAM	1	12	14.50	14.67	15.10	16	3	
5	HQAM	1	24	14.52	14.71	15.02			
5	HQAM	12	0	14.49	14.68	15.03	16	3	
5	HQAM	12	7	14.26	14.66	14.98			
5	HQAM	12	13	14.50	14.61	15.11			

Band 12_Ant 1										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Timeuse Int (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20905 20905 21110										
10	QPSK	1	0	21.72	21.80	21.72				
10	QPSK	1	25	21.87	21.80	21.75	22.8	0		
10	QPSK	1	49	21.58	21.79	21.69				
10	QPSK	25	0	21.67	21.67	21.71				
10	QPSK	25	12	21.66	21.67	21.71	22.8	0		
10	QPSK	25	25	21.58	21.69	21.65				
10	QPSK	50	0	21.67	21.75	21.71				
10	HQAM	1	0	21.63	21.75	21.66	22.8	0		
10	HQAM	1	25	21.63	21.75	21.63				
10	HQAM	1	49	21.57	21.69	21.67				
10	HQAM	25	0	21.67	21.64	21.68				
10	HQAM	25	12	21.72	21.62	21.70	22.8	0		
10	HQAM	25	25	21.70	21.60	21.74				
10	HQAM	50	0	21.77	21.64	21.73				
10	HQAM	50	0	21.59	21.59	21.58				
10	HQAM	1	25	21.50	21.52	21.50	22.8	0		
10	HQAM	1	49	21.35	21.33	21.47				
10	HQAM	25	0	20.70	20.64	20.65				
10	HQAM	25	12	20.74	20.59	20.70	21.8	1		
10	HQAM	25	25	20.74	20.70	20.68				
10	HQAM	50	0	20.71	20.66	20.72				
10	SSBQM	1	0	17.67	17.78	17.71				
10	SSBQM	1	25	17.65	17.65	17.69	18.8	4		
10	SSBQM	1	49	17.65	17.66	17.68				
10	SSBQM	25	0	17.69	17.74	17.59				
10	SSBQM	25	12	17.68	17.74	17.69	18.8	4		
10	SSBQM	25	25	17.62	17.74	17.64				
10	SSBQM	50	0	17.71	17.72	17.69				
Channel										
Frequency (MHz)										
20905 20905 21110										
5	QPSK	1	0	21.65	21.69	21.69				
5	QPSK	1	12	21.44	21.67	21.70	22.8	0		
5	QPSK	1	24	21.42	21.70	21.69				
5	QPSK	12	0	21.63	21.77	21.65				
5	QPSK	12	7	21.64	21.56	21.60	22.8	0		
5	QPSK	12	13	21.65	21.63	21.63				
5	QPSK	25	0	21.57	21.74	21.57				
5	HQAM	1	0	21.49	21.74	21.51	22.8	0		
5	HQAM	1	12	21.50	21.73	21.45				
5	HQAM	1	24	21.59	21.68	21.55				
5	HQAM	12	0	21.60	21.50	21.67	22.8	0		
5	HQAM	12	7	21.62	21.50	21.68				
5	HQAM	12	13	21.69	21.56	21.67				
5	HQAM	25	0	21.66	21.54	21.69				
5	HQAM	25	0	21.65	21.43	21.53				
5	HQAM	1	12	21.47	21.42	21.43	22.8	0		
5	HQAM	1	24	21.24	21.27	21.45				
5	HQAM	12	0	20.92	20.92	20.94				
5	HQAM	12	7	20.95	20.85	20.96	21.8	1		
5	HQAM	12	13	20.96	20.85	20.96				
5	HQAM	25	0	20.95	20.95	20.95				
5	SSBQM	1	0	17.59	17.71	17.61				
5	SSBQM	1	12	17.64	17.65	17.58	18.8	4		
5	SSBQM	1	24	17.57	17.65	17.44				
5	SSBQM	12	0	17.63	17.65	17.44				
5	SSBQM	12	7	17.60	17.65	17.45	18.8	4		
5	SSBQM	12	13	17.57	17.62	17.55				
5	SSBQM	25	0	17.57	17.70	17.64				
Channel										
Frequency (MHz)										
2090.5 2090.5 2111.5										
3	QPSK	1	0	21.59	21.73	21.71				
3	QPSK	1	8	21.54	21.61	21.59	22.8	0		
3	QPSK	1	14	21.43	21.75	21.65				
3	QPSK	8	0	21.55	21.74	21.63				
3	QPSK	8	4	21.68	21.66	21.64	22.8	0		
3	QPSK	8	7	21.47	21.65	21.54				
3	QPSK	15	0	21.68	21.74	21.66				
3	HQAM	1	0	21.53	21.75	21.51	22.8	0		
3	HQAM	1	8	21.45	21.75	21.47				
3	HQAM	1	14	21.49	21.56	21.52				
3	HQAM	8	0	21.54	21.53	21.61	22.8	0		
3	HQAM	8	4	21.69	21.55	21.62				
3	HQAM	8	7	21.69	21.47	21.70				
3	HQAM	15	0	21.66	21.63	21.67				
3	HQAM	1	0	21.43	21.52	21.55				
3	HQAM	1	8	21.45	21.41	21.37	22.8	0		
3	HQAM	1	14	21.25	21.19	21.33				
3	HQAM	8	0	20.59	20.55	20.57				
3	HQAM	8	4	20.70	20.50	20.59	21.8	1		
3	HQAM	15	0	20.95	20.92	20.94				
3	SSBQM	1	0	17.63	17.69	17.54				
3	SSBQM	1	8	17.66	17.68	17.46	18.8	4		
3	SSBQM	1	14	17.54	17.60	17.49				
3	SSBQM	8	0	17.67	17.69	17.52				
3	SSBQM	8	4	17.65	17.67	17.45	18.8	4		
3	SSBQM	8	7	17.52	17.73	17.53				
3	SSBQM	15	0	17.65	17.67	17.58				
Channel										
Frequency (MHz)										
2097.7 2097.5 2117.3										
1.4	QPSK	1	0	21.63	21.72	21.67				
1.4	QPSK	1	3	21.43	21.60	21.61	22.8	0		
1.4	QPSK	1	5	21.44	21.56	21.65				
1.4	QPSK	3	0	21.61	21.77	21.72				
1.4	QPSK	3	1	21.44	21.66	21.57				
1.4	QPSK	3	3	21.47	21.65	21.57				
1.4	QPSK	6	0	21.59	21.65	21.67	22.8	0		
1.4	HQAM	1	0	21.64	21.65	21.57				
1.4	HQAM	1	3	21.47	21.62	21.57				
1.4	HQAM	1	5	21.69	21.69	21.61	22.8	0		
1.4	HQAM	3	0	21.60	21.75	21.49				
1.4	HQAM	3	3	21.59	21.67	21.65				
1.4	HQAM	6	0	21.66	21.59	21.72	22.8	0		
1.4	HQAM	6	0	21.40	21.46	21.46				
1.4	HQAM	1	3	21.49	21.39	21.46				
1.4	HQAM	1	5	21.24	21.29	21.33	22.8	0		
1.4	HQAM	3	0	21.41	21.48	21.43				
1.4	HQAM	3	1	21.49	21.45	21.47				
1.4	HQAM	6	0	21.27	21.21	21.41	21.8	1		
1.4	HQAM	6	0	20.97	20.93	20.98				
1.4	SSBQM	1	0	17.69	17.74	17.65				
1.4	SSBQM	1	3	17.66	17.67	17.47	18.8	4		
1.4	SSBQM	1	5	17.54	17.63	17.47				
1.4	SSBQM	3	0	17.53	17.72	17.46				
1.4	SSBQM	3	1	17.44	17.67	17.45				
1.4	SSBQM	3	3	17.60	17.71	17.56				
1.4	SSBQM	6	0	17.64	17.63	17.56	18.8	4		

Band 12_Ant 0										
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-use Int (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
7064 7073.5 7110										
10	QPSK	1	0	20.11	20.22	20.15				
10	QPSK	1	25	20.11	20.19	20.11	21.3	0		
10	QPSK	1	49	20.13	20.12	20.12				
10	QPSK	25	0	20.11	20.20	20.13				
10	QPSK	25	12	20.06	20.15	20.00	21.3	0		
10	QPSK	25	25	20.10	20.15	20.11				
10	QPSK	50	0	20.06	20.16	20.01				
10	HQAM	1	0	20.09	20.12	20.10				
10	HQAM	1	25	20.02	20.17	20.03	21.3	0		
10	HQAM	1	49	20.08	20.09	20.04				
10	HQAM	25	0	20.02	20.13	20.10				
10	HQAM	25	12	20.07	20.15	20.02	21.3	0		
10	HQAM	25	25	20.07	20.10	20.11				
10	HQAM	50	0	20.13	20.20	20.06				
10	HQAM	50	0	20.05	20.19	20.04				
10	HQAM	1	25	20.10	20.14	20.07	21.3	0		
10	HQAM	1	49	20.04	20.21	20.09				
10	HQAM	25	0	20.04	20.21	20.14				
10	HQAM	25	12	20.11	20.15	20.13				
10	HQAM	25	25	20.04	20.20	20.02	21.3	0		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.04	20.20	20.02	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12	20.17				
10	HQAM	1	49	20.13	20.25	20.06				
10	HQAM	25	0	20.08	20.21	20.14				
10	HQAM	25	12	20.08	20.21	20.13				
10	HQAM	25	25	20.01	20.21	20.01	18.3	3		
10	HQAM	50	0	20.04	20.27	20.08				
10	HQAM	50	0	20.01	20.24	20.01				
10	HQAM	1	25	20.13	20.12					

Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Turnup (int / dBm)	MFR (dB)		
Channel										
Frequency (MHz)				22780	23560	23960				
				756	715	711				
10	QPSK	1	0	21.85	21.89	21.92	22.8	0		
10	QPSK	1	25	21.77	21.78	21.78				
10	QPSK	1	49	21.71	21.75	21.78				
10	QPSK	25	0	21.75	21.86	21.92				
10	QPSK	25	12	21.70	21.74	21.79	22.8	0		
10	QPSK	25	25	21.78	21.75	21.71				
10	QPSK	50	0	21.74	21.75	21.72				
10	16QAM	1	0	21.66	21.83	21.71				
10	16QAM	1	25	21.69	21.80	21.78	22.8	0		
10	16QAM	1	49	21.71	21.81	21.79				
10	16QAM	25	0	21.69	21.84	21.76				
10	16QAM	25	12	21.69	21.86	21.79				
10	16QAM	25	25	21.71	21.78	21.79	22.8	0		
10	16QAM	50	0	21.82	21.79	21.80				
10	16QAM	1	0	21.82	21.89	21.84				
10	16QAM	1	25	21.80	21.90	21.90				
10	16QAM	1	49	21.73	21.86	21.80	21.8	1		
10	16QAM	25	0	20.85	20.77	20.83				
10	16QAM	25	12	20.89	20.88	20.89				
10	16QAM	25	25	20.91	20.84	20.85				
10	SSBQAM	80	0	20.82	20.81	20.86	18.8	4		
10	SSBQAM	1	0	17.77	17.86	17.81				
10	SSBQAM	1	49	17.72	17.76	17.81				
10	SSBQAM	25	0	17.72	17.82	17.78				
10	SSBQAM	25	12	17.80	17.72	17.86	18.8	4		
10	SSBQAM	25	25	17.87	17.74	17.70				
10	SSBQAM	80	0	17.89	17.74	17.70				
Channel										
Frequency (MHz)				22785	23565	23965				
				766.5	715	713.5				
5	QPSK	1	0	21.78	21.79	21.77	22.8	0		
5	QPSK	1	12	21.69	21.72	21.74				
5	QPSK	1	24	21.60	21.65	21.68				
5	QPSK	12	0	21.72	21.75	21.78				
5	QPSK	12	7	21.66	21.68	21.67	22.8	0		
5	QPSK	12	13	21.60	21.66	21.63				
5	QPSK	25	0	21.71	21.84	21.63				
5	16QAM	1	0	21.66	21.79	21.68				
5	16QAM	1	12	21.60	21.70	21.73	22.8	0		
5	16QAM	1	24	21.69	21.74	21.78				
5	16QAM	12	0	21.57	21.74	21.69				
5	16QAM	12	7	21.60	21.75	21.77				
5	16QAM	12	13	21.61	21.68	21.68	22.8	0		
5	16QAM	25	0	21.73	21.75	21.85				
5	16QAM	1	0	21.49	21.53	21.59				
5	16QAM	1	12	21.52	21.46	21.35				
5	SSBQAM	1	0	20.77	20.82	20.82	21.8	1		
5	SSBQAM	1	12	20.81	20.89	20.92				
5	SSBQAM	25	0	20.85	20.79	20.80				
5	SSBQAM	1	0	17.64	17.71	17.70				
5	SSBQAM	1	12	17.60	17.67	17.70	18.8	4		
5	SSBQAM	1	24	17.59	17.67	17.65				
5	SSBQAM	12	0	17.68	17.79	17.77				
5	SSBQAM	12	7	17.44	17.61	17.54				
5	SSBQAM	12	13	17.66	17.62	17.68	18.8	4		
5	SSBQAM	25	0	17.81	17.89	17.88				

Band 17_Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Time-use (int / dec)	MFR (dB)					
Channel													
Frequency (MHz)				22780	23560	23960							
				756	756	711							
10	QPSK	1	0	20.35	20.36	20.38	21.3	0					
10	QPSK	1	25	20.17	20.25	20.13							
10	QPSK	1	49	20.17	20.32	20.15							
10	QPSK	25	0	20.25	20.35	20.38							
10	QPSK	25	12	20.19	20.32	20.22	21.3	0					
10	QPSK	25	25	20.32	20.22	20.15							
10	QPSK	50	0	20.25	20.26	20.22							
10	16QAM	1	0	20.28	20.22	20.21							
10	16QAM	1	25	20.10	20.30	20.15	21.3	0					
10	16QAM	1	49	20.27	20.33	20.26							
10	16QAM	25	0	20.10	20.25	20.18							
10	16QAM	25	12	20.20	20.28	20.26							
10	16QAM	25	25	20.19	20.27	20.22	21.3	0					
10	16QAM	50	0	20.15	20.22	20.15							
10	16QAM	1	0	20.28	20.28	20.14							
10	16QAM	1	25	20.19	20.35	20.15							
10	16QAM	1	49	20.15	20.28	20.19	21.3	0					
10	16QAM	25	0	20.20	20.22	20.22							
10	16QAM	25	12	20.25	20.25	20.24							
10	16QAM	25	25	20.15	20.27	20.22							
10	SSBQAM	80	0	20.22	20.32	20.16	18.3	3					
10	SSBQAM	1	0	17.37	17.38	17.24							
10	SSBQAM	1	49	17.16	17.25	17.15							
10	SSBQAM	1	25	17.16	17.24	17.18							
10	SSBQAM	12	0	17.19	17.31	17.28	18.3	3					
10	SSBQAM	12	7	17.32	17.28	17.27							
10	SSBQAM	25	0	17.19	17.34	17.31							
10	SSBQAM	25	25	17.17	17.31	17.16							
10	SSBQAM	80	0	17.20	17.34	17.26	18.3	3					
Channel													
Frequency (MHz)				22785	23565	23965							
				766.5	766	711.5							
5	QPSK	1	0	20.37	20.32	20.18	21.3	0					
5	QPSK	1	12	20.07	20.21	20.02							
5	QPSK	1	24	20.07	20.23	20.16							
5	QPSK	12	0	20.14	20.20	20.20							
5	QPSK	12	7	20.09	20.28	20.13	21.3	0					
5	QPSK	12	13	20.10	20.28	20.01							
5	QPSK	25	0	20.20	20.23	20.17							
5	16QAM	1	0	20.28	20.10	20.15							
5	16QAM	1	12	20.14	20.17	20.10	21.3	0					
5	16QAM	1	24	20.19	20.31	20.19							
5	16QAM	12	0	20.04	20.15	20.10							
5	16QAM	12	7	20.07	20.20	20.22							
5	16QAM	12	13	20.10	20.22	20.16	21.3	0					
5	16QAM	25	0	20.04	20.09	20.00							
5	16QAM	1	0	20.12	20.25	19.99							
5	16QAM	1	12	20.00	20.25	20.07							
5	16QAM	1	24	20.10	20.22	20.08	21.3	0					
5	16QAM	12	0	20.22	20.	20.18	21.3	0					
5	16QAM	12	7	20.23	20.23	20.22							
5	16QAM	12	13	20.04	20.15	20.07							
5	16QAM	25	0	20.17	20.28	20.07							
5	SSBQAM	80	0	20.17	20.28	20.14	18.3	3					
5	SSBQAM	1	0	17.37	17.38	17.24							
5	SSBQAM	1	12	17.02	17.15	17.07							
5	SSBQAM	1	24	17.06	17.17	17.12							
5	SSBQAM	12	0	17.19	17.31	17.24	18.3	3					
5	SSBQAM	12	7	17.30	17.22	17.24							
5	SSBQAM	12	13	17.17	17.31	17.16							
5	SSBQAM	25	0	17.19	17.34	17.31							

Band 66_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-use int (sec)	APR (dB)		
Channel										
Frequency (MHz)										
				1720	1745	1770				
20	QPSK	1	0	20.15	20.17	20.18				
20	QPSK	1	40	20.07	20.20	20.03	21	0		
20	QPSK	1	80	20.03	20.13	20.02				
20	QPSK	50	24	20.12	20.09	20.10	21	0		
20	QPSK	50	48	20.08	20.10	20.11				
20	QPSK	100	0	20.15	20.18	20.13				
20	HQAM	1	0	20.03	20.17	20.12	21	0		
20	HQAM	1	40	20.13	20.18	20.19				
20	HQAM	1	80	20.00	20.15	20.08				
20	HQAM	50	0	20.10	20.21	20.06				
20	HQAM	50	24	20.11	20.11	20.06	21	0		
20	HQAM	100	0	20.05	20.15	20.07				
20	HQAM	1	0	20.00	20.22	20.15				
20	HQAM	1	40	20.02	20.23	20.06	21	0		
20	HQAM	1	80	20.10	20.12	20.03				
20	HQAM	50	0	20.11	20.22	20.17				
20	HQAM	50	24	20.10	20.14	20.05	21	0		
20	HQAM	50	48	20.07	20.21	20.11				
20	HQAM	100	0	20.00	20.15	20.14				
20	SSBQAM	1	0	19.97	19.10	19.07				
20	SSBQAM	1	40	19.91	18.99	19.02	20	1		
20	SSBQAM	1	80	19.91	19.04	19.01				
20	SSBQAM	50	0	19.90	19.06	19.01				
20	SSBQAM	50	24	19.95	19.06	19.02	20	1		
20	SSBQAM	50	48	19.93	19.04	19.07				
20	SSBQAM	100	0	19.84	19.05	19.02				
Channel										
Frequency (MHz)										
				1720.7	1725.2	1730.7				
15	QPSK	1	0	20.10	20.17	20.03				
15	QPSK	1	37	20.01	20.11	19.93	21	0		
15	QPSK	1	74	19.95	20.09	19.96				
15	QPSK	36	0	20.06	20.09	20.01				
15	QPSK	36	20	20.08	20.08	20.08	21	0		
15	QPSK	36	36	20.01	20.08	19.97				
15	QPSK	75	0	20.03	20.16	20.04				
15	HQAM	1	0	19.93	20.12	19.98	21	0		
15	HQAM	1	37	20.02	20.13	20.04				
15	HQAM	1	74	19.90	20.01	19.96				
15	HQAM	36	0	20.04	20.10	20.00				
15	HQAM	36	20	20.01	20.10	19.90	21	0		
15	HQAM	36	36	19.95	20.02	19.94				
15	HQAM	75	0	20.04	20.00	19.99				
15	HQAM	1	0	20.01	20.08	20.03				
15	HQAM	1	37	19.97	20.09	20.01	21	0		
15	HQAM	1	74	20.07	20.06	20.07				
15	HQAM	36	0	20.00	20.11	20.08				
15	HQAM	36	20	20.06	19.99	19.92	21	0		
15	HQAM	36	36	19.95	20.02	20.03				
15	HQAM	75	0	19.95	20.06	19.12				
15	SSBQAM	1	0	19.92	19.90	19.95				
15	SSBQAM	1	37	19.87	19.91	19.88	20	1		
15	SSBQAM	1	74	19.82	19.91	19.96				
15	SSBQAM	36	0	19.90	19.99	19.90				
15	SSBQAM	36	20	19.90	19.97	19.96	20	1		
15	SSBQAM	36	36	19.79	19.91	19.94				
15	SSBQAM	75	0	19.78	19.85	19.80				
Channel										
Frequency (MHz)										
				1712.5	1745	1772.5				
10	QPSK	1	0	20.10	20.12	20.14				
10	QPSK	1	12	19.96	20.10	19.92	21	0		
10	QPSK	1	24	19.91	20.11	19.92				
10	QPSK	25	0	20.02	20.07	20.07				
10	QPSK	25	12	20.03	19.97	20.05	21	0		
10	QPSK	25	25	19.91	20.10	19.96				
10	QPSK	50	0	20.04	20.06	20.04				
10	HQAM	1	0	19.95	20.15	19.98	21	0		
10	HQAM	1	25	20.04	20.07	20.02				
10	HQAM	1	40	19.96	20.05	20.07				
10	HQAM	25	0	20.06	20.07	20.04				
10	HQAM	25	12	20.05	20.20	19.94	21	0		
10	HQAM	25	25	20.10	20.04	20.04				
10	HQAM	50	0	19.97	20.09	19.96				
10	HQAM	1	0	20.00	20.16	20.03				
10	HQAM	1	25	19.92	20.15	19.96	21	0		
10	HQAM	1	40	20.01	20.07	19.97				
10	HQAM	25	0	20.05	20.07	20.16				
10	HQAM	25	12	20.02	19.99	19.94	21	0		
10	HQAM	25	25	19.97	20.10	20.06				
10	HQAM	50	0	19.96	20.10	20.04				
10	SSBQAM	1	0	19.94	19.99	19.93				
10	SSBQAM	1	25	19.75	19.86	19.79	20	1		
10	SSBQAM	1	40	19.75	19.93	19.89				
10	SSBQAM	25	0	19.90	19.99	19.78	20	1		
10	SSBQAM	25	12	19.87	19.97	19.96				
10	SSBQAM	25	25	19.85	19.92	19.82				
10	SSBQAM	50	0	19.73	19.88	19.84				
Channel										
Frequency (MHz)										
				1712.5	1725.2	1730.7				
5	QPSK	1	0	20.00	20.09	20.07				
5	QPSK	1	12	20.06	20.07	19.96	21	0		
5	QPSK	1	24	19.95	19.98	19.97				
5	QPSK	12	0	20.08	20.07	20.13				
5	QPSK	12	7	19.98	20.04	20.07	21	0		
5	QPSK	12	13	19.95	20.15	19.96				
5	QPSK	25	0	20.00	20.15	20.09				
5	HQAM	1	0	19.88	20.10	19.98	21	0		
5	HQAM	1	12	19.90	20.07	19.95				
5	HQAM	1	24	19.92	20.00	20.06				
5	HQAM	12	0	20.02	20.15	20.01				
5	HQAM	12	7	20.00	20.19	19.92				
5	HQAM	12	13	20.00	19.98	19.94	21	0		
5	HQAM	25	0	20.04	20.14	20.03				
5	HQAM	1	0	19.97	20.10	20.01				
5	HQAM	1	12	19.90	20.08	20.03	21	0		
5	HQAM	1	24	19.97	20.03	19.98				
5	HQAM	12	0	19.90	20.13	20.04				
5	HQAM	12	7	19.97	20.06	19.95	21	0		
5	HQAM	12	13	19.95	20.13	20.01				
5	HQAM	25	0	19.94	20.07	20.03				
5	SSBQAM	1	0	19.97	19.95	19.92	20	1		
5	SSBQAM	1	12	19.89	19.95	19.92				
5	SSBQAM	1	24	19.75	19.95	19.92				
5	SSBQAM	12	0	19.80	19.97	19.80	20	1		
5	SSBQAM	12	7	19.97	19.97	19.97				
5	SSBQAM	12	13	19.84	19.93	19.81	20	1		
5	SSBQAM	25	0	19.78	19.92	19.79				
Channel										
Frequency (MHz)										
				1712.5	1725.2	1730.7				
3	QPSK	1	0	20.00	20.10	20.09				
3	QPSK	1	3	20.04	20.17	19.99	21	0		
3	QPSK	1	6	20.01	20.12	19.97				
3	QPSK	6	0	19.98	20.09	20.07				
3	QPSK	6	4	19.97	20.07	20.05	21	0		
3	QPSK	6	7	19.94	20.17	19.95				
3	QPSK	15	0	20.01	20.12	20.08				
3	HQAM	1	0	19.89	20.12	19.98	21	0		
3	HQAM	1	3	20.00	20.11	19.97				
3	HQAM	1	6	19.87	20.13	19.97				
3	HQAM	6	0	20.06	20.09	20.01				
3	HQAM	6	4	20.01	20.19	19.92				
3	HQAM	6	7	20.02	19.97	19.99	21	0		
3	HQAM	15	0	19.97	20.11	20.05				
3	HQAM	1	0	20.00	20.10	20.04				
3	HQAM	1	3	19.98	20.08	20.02	21	0		
3	HQAM	1	6	20.07	20.20	20.09				
3	HQAM	6	0	20.03	20.07	20.11				
3	HQAM	6	4	20.01	20.09	20.01	21	0		
3	HQAM	15	0	19.96	20.10	20.05				
3	SSBQAM	1	0	19.95	19.99	19.93				
3	SSBQAM	1	3	19.76	19.88	19.79	20	1		
3	SSBQAM	1	6	19.86	19.99	19.88				
3	SSBQAM	6	0	19.92	19.98	19.93				
3	SSBQAM	6	4	19.80	19.91	19.81	21	0		
3	SSBQAM	6	7	19.82	19.93	19.81				
3	SSBQAM	15	0	19.83	19.91	19.84				
3	SSBQAM	15	3	19.75	19.87	19.79				
Channel										
Frequency (MHz)										
				1715.7	1745	1775.3				
14	QPSK	1	0	20.02	20.11	20.03				
14	QPSK	1	24	20.00	20.10	19.92	21	0		
14	QPSK	1	48	19.98	20.09	19.94				
14	QPSK	3	0	20.09	20.13	20.04				
14	QPSK	3	12	20.07	20.12	20.05	21	0		
14	QPSK	3	24	20.05	20.16	20.02				
14	QPSK	6	0	20.00	20.03	20.10	21	0		
14	QPSK	6	12	20.00	20.15	20.02				
14	HQAM	1	0	19.99	20.18	20.10				
14	HQAM	1	24	19.95	20.14	20.02	21	0		</

Band 66_Ant 11											Band 66_Ant 7										
WV	Modulation	RB Size	RB Offset	Power Low Ch.1 / Freq.	Power Middle Ch.1 / Freq.	Power High Ch.1 / Freq.	Time-use limit (sec)	MFR (dB)			WV	Modulation	RB Size	RB Offset	Power Low Ch.1 / Freq.	Power Middle Ch.1 / Freq.	Power High Ch.1 / Freq.	Time-use limit (sec)	MFR (dB)		
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
20	QPSK	1	0	16.35	16.42	16.18	19.9	0			20	QPSK	1	0	16.35	16.42	16.18	19.9	0		
20	QPSK	1	48	19.17	19.21	19.09					20	QPSK	1	48	19.09	19.06	19.04				
20	QPSK	1	96	19.10	19.19	19.14					20	QPSK	1	96	19.00	17.00	19.01				
20	QPSK	50	0	16.18	16.20	16.14					20	QPSK	50	0	16.18	16.20	16.14				
20	QPSK	50	24	19.10	19.18	19.12	19.9	0			20	QPSK	50	24	19.00	17.00	19.07	19.9	0		
20	QPSK	50	50	19.05	19.10	19.03					20	QPSK	50	50	19.02	18.99	19.06				
20	QPSK	100	0	16.06	16.17	16.13					20	QPSK	100	0	16.06	16.17	16.13				
20	HQAM	1	0	19.19	19.14	19.07					20	HQAM	1	0	18.89	18.98	18.96				
20	HQAM	1	49	19.13	19.11	19.09	19.9	0			20	HQAM	1	49	18.88	17.04	18.89	19.9	0		
20	HQAM	1	96	19.09	19.16	19.17					20	HQAM	1	96	18.90	17.04	18.91				
20	HQAM	50	0	19.08	19.13	19.12					20	HQAM	50	0	19.04	17.02	19.06				
20	HQAM	50	24	19.14	19.11	19.13					20	HQAM	50	24	18.88	16.91	18.97				
20	HQAM	50	50	19.05	19.10	19.07	19.9	0			20	HQAM	50	50	19.00	17.00	19.03	19.9	0		
20	HQAM	100	0	19.17	19.15	19.03					20	HQAM	100	0	19.03	17.00	18.98				
20	HQAM	1	0	19.05	19.15	19.04					20	HQAM	1	0	18.87	17.00	18.93				
20	HQAM	1	48	19.07	19.09	19.07					20	HQAM	1	48	18.87	17.00	18.93				
20	HQAM	1	96	19.08	19.15	19.05	19.9	0			20	HQAM	1	96	19.01	16.92	19.01	19.9	0		
20	HQAM	50	0	19.16	19.19	19.14					20	HQAM	50	0	19.03	17.03	19.08				
20	HQAM	50	24	19.07	19.15	19.07					20	HQAM	50	24	18.98	16.94	18.94				
20	HQAM	50	50	19.13	19.12	19.14					20	HQAM	50	50	19.08	16.93	19.04				
20	HQAM	100	0	19.07	19.08	19.15	19.9	0			20	HQAM	100	0	19.08	16.96	19.07	19.9	0		
20	HQAM	1	0	18.62	18.68	18.61					20	HQAM	1	0	18.62	16.97	18.61				
20	HQAM	1	96	18.65	18.64	18.58					20	HQAM	1	96	18.68	16.98	18.66				
20	HQAM	1	99	18.68	18.68	18.62					20	HQAM	1	99	18.68	16.98	18.66				
20	HQAM	50	0	18.57	18.65	18.68	19.4	0.5			20	HQAM	50	0	18.57	18.65	18.68	19.4	0.5		
20	HQAM	50	24	18.61	18.68	18.68					20	HQAM	50	24	18.52	18.55	18.53				
20	HQAM	50	50	18.58	18.63	18.61					20	HQAM	50	50	18.59	18.48	18.48				
20	HQAM	50	50	18.59	18.68	18.57					20	HQAM	50	50	18.59	18.57	18.57				
Channel				17027.1	17022.2	17026.7	Time-use limit (sec)	MFR (dB)			Channel				17024.7	17022.2	17026.7	Time-use limit (sec)	MFR (dB)		
Frequency (MHz)											Frequency (MHz)										
15	QPSK	1	0	19.09	19.18	19.04	19.9	0			15	QPSK	1	0	19.09	19.18	19.04	19.9	0		
15	QPSK	1	37	19.03	19.17	19.07					15	QPSK	1	37	19.09	19.18	19.04				
15	QPSK	1	74	19.02	19.17	19.02					15	QPSK	1	74	19.05	19.09	19.02				
15	QPSK	36	0	19.04	19.05	19.11					15	QPSK	36	0	19.04	19.05	19.11				
15	QPSK	36	20	19.09	19.08	19.00	19.9	0			15	QPSK	36	20	19.05	19.00	19.02	19.9	0		
15	QPSK	36	36	19.11	19.05	19.05					15	QPSK	36	36	19.01	19.03	19.04				
15	QPSK	75	0	18.96	19.14	18.98					15	QPSK	75	0	18.96	19.14	18.98				
15	HQAM	1	0	19.18	19.03	19.05					15	HQAM	1	0	19.17	19.07	19.03				
15	HQAM	1	37	19.11	19.03	19.05	19.9	0			15	HQAM	1	37	19.13	19.07	19.07	19.9	0		
15	HQAM	1	74	19.03	19.12	19.02					15	HQAM	1	74	19.00	19.12	19.02				
15	HQAM	36	0	19.05	19.00	19.02					15	HQAM	36	0	19.01	19.04	19.04				
15	HQAM	36	20	19.04	19.05	19.00					15	HQAM	36	20	19.06	19.06	19.07				
15	HQAM	36	36	19.01	19.03	19.07	19.9	0			15	HQAM	36	36	19.01	19.03	19.07	19.9	0		
15	HQAM	75	0	19.03	19.02	19.08					15	HQAM	75	0	19.01	19.06	19.04				
15	HQAM	1	0	18.96	19.05	19.02					15	HQAM	1	0	18.81	19.05	19.01				
15	HQAM	1	37	19.00	19.06	19.06					15	HQAM	1	37	19.00	19.06	19.06				
15	HQAM	1	74	19.07	19.05	19.07	19.9	0			15	HQAM	1	74	19.06	19.05	19.07	19.9	0		
15	HQAM	1	74	19.07	19.05	19.07					15	HQAM	1	74	19.06	19.05	19.07				
15	HQAM	36	0	19.02	19.03	19.11					15	HQAM	36	0	19.02	19.03	19.11				
15	HQAM	36	20	19.05	19.03	19.05					15	HQAM	36	20	19.05	19.03	19.05				
15	HQAM	36	36	19.02	19.11	19.01	19.9	0			15	HQAM	36	36	19.02	19.11	19.01	19.9	0		
15	HQAM	50	0	18.95	19.04	19.10					15	HQAM	50	0	18.97	19.02	19.07				
15	HQAM	50	0	18.99	19.09	19.07					15	HQAM	50	0	18.97	19.02	19.07				
15	HQAM	50	20	18.97	18.91	18.45					15	HQAM	50	20	18.97	18.91	18.45				
15	HQAM	50	0	18.43	18.62	18.57	19.4	0.5			15	HQAM	50	0	18.43	18.62	18.57	19.4	0.5		
15	HQAM	50	20	18.58	18.58	18.49					15	HQAM	50	20	18.58	18.58	18.49				
15	HQAM	50	36	19.01	18.99	18.99					15	HQAM	50	36	19.01	18.99	18.99				
15	HQAM	50	39	19.44	19.32	19.37					15	HQAM	50	39	19.44	19.32	19.37				
15	HQAM	75	0	18.57	18.85	18.48	19.9	0			15	HQAM	75	0	18.57	18.85	18.48	19.9	0		
Channel				1711.5	1745.2	1772.5	Time-use limit (sec)	MFR (dB)			Channel				1711.5	1745.2	1772.5	Time-use limit (sec)	MFR (dB)		
Frequency (MHz)											Frequency (MHz)										
5	QPSK	1	0	19.05	19.15	19.16	19.9	0			5	QPSK	1	0	19.05	19.15	19.16	19.9	0		
5	QPSK	1	12	19.08	19.20	19.10					5	QPSK	1	12	19.08	19.20	19.10				
5	QPSK	1	24	19.08	19.13	19.03					5	QPSK	1	24	19.00	19.04	19.03				
5	QPSK	12	0	19.18	19.09	19.00					5	QPSK	12	0	19.03	19.03	19.07				
5	QPSK	12	7	19.06	19.13	19.08	19.9	0			5	QPSK	12	7	19.06	19.13	19.08	19.9	0		
5	QPSK	12	13	19.00	19.07	19.04					5	QPSK	12	13	19.02	19.08	19.02				
5	QPSK	25	0	19.03	19.16	19.11					5	QPSK	25	0	19.03	19.16	19.11				
5	HQAM	1	0	19.07	19.08	19.02					5	HQAM	1	0	19.04	19.05	19.06				
5	HQAM	1	12	19.00	19.08	19.07	19.9	0			5	HQAM	1	12	19.04	17.03	19.04	19.9	0		
5	HQAM	1	24	19.01	19.16	19.03					5	HQAM	1	24	19.01	19.16	19.03				
5	HQAM	12	0	19.05	19.04	19.08					5	HQAM	12	0	19.00	19.05	19.06				
5	HQAM	12	7	19.12	19.02	19.00					5	HQAM	12	7	19.06	19.02	19.06				
5	HQAM	12	13	19.03	19.02	19.01	19.9	0			5	HQAM	12	13	19.03	19.02	19.01	19.9	0		
5	HQAM	25	0	19.13	19.04	19.07					5	HQAM	25	0	19.04	19.09	19.01				
5	HQAM	50	0	18.90	19.09	19.03					5	HQAM	50	0	18.94	19.08	19.01				
5	HQAM	1	12	18.90	19.06	19.02					5	HQAM	1	12	18.90	19.06	19.02				
5	HQAM	24	0	18.93	19.02	19.07	19.9	0			5	HQAM	24	0	18.93	19.02	19.07	19.9	0		
5	HQAM	12	0	19.03	19.11	19.02					5	HQAM	12	0	19.03	19.11	19.02				
5	HQAM	12	7	19.01	19.09	19.04					5	HQAM	12	7	19.01	19.09	19.04				
5	HQAM	12	13	19.00	19.07	19.02					5	HQAM	12	13	19.00	19.07	19.02				
5	HQAM	25	0	18.94	19.06	19.01	19.9	0			5	HQAM	25	0	18.94	19.06	19.01	19.9	0		
5	HQAM	25	12	19.05	19.03	19.03					5	HQAM	25	12	19.05	19.03	19.03				
5	HQAM	50	0	18.88	19.13	19.03					5	HQAM	50	0	18.88	19.13	19.03				
5	HQAM	1	12	18.83	18.54	18.50					5	HQAM	1	12	18.83	18.54	18.50				
5	HQAM	1	24	18.57	18.59	18.49															

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	20.82	20.90	20.85	21.5	0			
20	QPSK	1	49	20.67	20.78	20.71					
20	QPSK	1	99	20.75	20.86	20.77					
20	QPSK	50	0	20.78	20.85	20.75					
20	QPSK	50	24	20.71	20.83	20.70					
20	QPSK	50	50	20.67	20.80	20.70	21.5	0			
20	QPSK	100	0	20.70	20.79	20.73					
20	16QAM	1	0	20.80	20.88	20.81					
20	16QAM	1	49	20.71	20.77	20.77					
20	16QAM	1	99	20.80	20.85	20.74					
20	16QAM	50	0	20.68	20.76	20.70	21.5	0			
20	16QAM	50	24	20.69	20.77	20.70					
20	16QAM	50	50	20.70	20.82	20.84					
20	16QAM	100	0	20.76	20.78	20.78					
20	16QAM	1	0	20.68	20.84	20.73					
20	16QAM	1	49	20.68	20.79	20.83	21.5	0			
20	16QAM	1	99	20.76	20.81	20.77					
20	16QAM	50	0	20.68	20.86	20.83					
20	16QAM	50	24	20.80	20.88	20.70					
20	16QAM	50	50	20.80	20.82	20.82					
20	16QAM	100	0	20.79	20.82	20.81	21.5	0			
20	256QAM	1	0	18.91	19.02	18.95					
20	256QAM	1	49	18.86	18.91	18.90					
20	256QAM	1	99	18.00	19.01	18.91					
20	256QAM	50	0	18.93	18.97	18.84					
20	256QAM	50	24	18.83	18.89	18.81	20	1.5			
20	256QAM	50	50	18.96	18.99	18.88					
20	256QAM	100	0	18.90	18.96	18.94					
Channel											
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	20.70	20.80	20.70	21.5	0			
15	QPSK	1	37	20.52	20.76	20.63					
15	QPSK	1	74	20.61	20.80	20.70					
15	QPSK	36	0	20.72	20.78	20.73					
15	QPSK	36	20	20.61	20.68	20.66					
15	QPSK	36	39	20.53	20.78	20.69	21.5	0			
15	QPSK	36	59	20.58	20.73	20.68					
15	16QAM	1	0	20.76	20.76	20.71					
15	16QAM	1	37	20.68	20.75	20.63					
15	16QAM	1	74	20.72	20.73	20.64					
15	16QAM	36	0	20.64	20.76	20.63	21.5	0			
15	16QAM	36	20	20.64	20.64	20.61					
15	16QAM	36	39	20.63	20.69	20.79					
15	16QAM	75	0	20.64	20.63	20.73					
15	16QAM	1	0	20.53	20.82	20.58					
15	16QAM	1	37	20.61	20.62	20.81	21.5	0			
15	16QAM	1	74	20.63	20.71	20.67					
15	16QAM	36	0	20.60	20.71	20.78					
15	16QAM	36	20	20.74	20.77	20.63					
15	16QAM	36	39	20.73	20.73	20.69					
15	16QAM	75	0	20.65	20.68	20.76	20	1.5			
15	256QAM	1	0	18.85	18.91	18.86					
15	256QAM	1	37	18.74	18.86	18.81					
15	256QAM	1	74	18.93	18.92	18.76					
15	256QAM	36	0	18.91	18.93	18.69					
15	256QAM	36	20	18.68	18.86	18.72	20	1.5			
15	256QAM	36	39	18.82	18.84	18.87					
15	256QAM	75	0	18.89	18.89	18.88					
Channel											
Frequency (MHz)				3767.5	3800	3822.5	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	20.79	20.88	20.80	21.5	0			
10	QPSK	1	25	20.54	20.74	20.70					
10	QPSK	1	49	20.66	20.76	20.62					
10	QPSK	25	0	20.66	20.82	20.65					
10	QPSK	25	13	20.66	20.76	20.59					
10	QPSK	25	25	20.58	20.70	20.60	21.5	0			
10	QPSK	50	0	20.67	20.78	20.62					
10	16QAM	1	0	20.71	20.78	20.76					
10	16QAM	1	25	20.56	20.69	20.64					
10	16QAM	1	49	20.67	20.70	20.65					
10	16QAM	25	0	20.61	20.72	20.55	21.5	0			
10	16QAM	25	12	20.66	20.70	20.58					
10	16QAM	25	25	20.56	20.69	20.62					
10	16QAM	50	0	20.61	20.73	20.73					
10	16QAM	1	0	20.53	20.69	20.58					
10	16QAM	1	25	20.61	20.73	20.82	21.5	0			
10	16QAM	1	49	20.70	20.72	20.76					
10	16QAM	25	0	20.57	20.82	20.80					
10	16QAM	25	12	20.75	20.78	20.72					
10	16QAM	25	25	20.68	20.81	20.70					
10	16QAM	50	0	20.76	20.81	20.74	20	1.5			
10	256QAM	1	0	18.85	19.01	18.84					
10	256QAM	1	25	18.74	18.86	18.80					
10	256QAM	1	49	18.96	18.90	18.85					
10	256QAM	25	0	18.91	18.94	18.77					
10	256QAM	25	12	18.68	18.79	18.79	20	1.5			
10	256QAM	25	25	18.87	18.91	18.75					
10	256QAM	50	0	18.75	18.81	18.76					
Channel											
Frequency (MHz)				3777.5	3800	3822.5	Tune-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	20.75	20.83	20.79	21.5	0			
5	QPSK	1	12	20.55	20.69	20.67					
5	QPSK	1	24	20.72	20.76	20.64					
5	QPSK	12	0	20.69	20.79	20.72					
5	QPSK	12	7	20.65	20.69	20.58					
5	QPSK	12	13	20.58	20.65	20.57	21.5	0			
5	QPSK	25	0	20.56	20.71	20.67					
5	16QAM	1	0	20.69	20.77	20.73					
5	16QAM	1	12	20.65	20.73	20.62					
5	16QAM	1	24	20.78	20.76	20.73					
5	16QAM	12	0	20.53	20.67	20.59	21.5	0			
5	16QAM	12	7	20.61	20.76	20.69					
5	16QAM	12	13	20.56	20.70	20.72					
5	16QAM	25	0	20.61	20.63	20.73					
5	16QAM	1	0	20.67	20.70	20.71					
5	16QAM	1	12	20.67	20.77	20.68	21.5	0			
5	16QAM	1	24	20.70	20.78	20.63					
5	16QAM	12	0	20.60	20.77	20.75					
5	16QAM	12	7	20.69	20.74	20.56					
5	16QAM	12	13	20.75	20.78	20.72					
5	16QAM	25	0	20.77	20.81	20.68	20	1.5			
5	256QAM	1	0	18.79	18.98	18.92					
5	256QAM	1	12	18.75	18.81	18.75					
5	256QAM	1	24	18.93	19.00	18.76					
5	256QAM	12	0	18.85	18.88	18.77					
5	256QAM	12	7	18							

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													
				37860	38000	38150							
Frequency (MHz)													
20	QPSK	1	0	18.72	18.80	18.75	19.5	0					
20	QPSK	1	49	18.62	18.74	18.73							
20	QPSK	1	99	18.69	18.68	18.72							
20	QPSK	50	0	18.69	18.76	18.73							
20	QPSK	50	24	18.60	18.74	18.71							
20	QPSK	50	50	18.63	18.72	18.61	19.5	0					
20	QPSK	100	0	18.68	18.74	18.70							
20	16QAM	1	0	18.59	18.69	18.60							
20	16QAM	1	49	18.62	18.67	18.61							
20	16QAM	1	99	18.57	18.74	18.67							
20	16QAM	50	0	18.65	18.79	18.71	19.5	0					
20	16QAM	50	24	18.70	18.78	18.62							
20	16QAM	50	50	18.57	18.70	18.65							
20	16QAM	100	0	18.58	18.72	18.66							
20	16QAM	1	0	18.64	18.53	18.59							
20	16QAM	1	49	18.66	18.71	18.78	19.5	0					
20	16QAM	1	99	18.70	18.65	18.73							
20	16QAM	50	0	18.42	18.39	18.46							
20	16QAM	50	24	18.48	18.41	18.57							
20	16QAM	50	50	18.49	18.44	18.61							
20	16QAM	100	0	18.48	18.42	18.55	19	0.5					
20	256QAM	1	0	15.48	15.53	15.39							
20	256QAM	1	49	15.46	15.44	15.42							
20	256QAM	1	99	15.43	15.49	15.52							
20	256QAM	50	0	15.46	15.39	15.43							
20	256QAM	50	24	15.44	15.45	15.41	16	3.5					
20	256QAM	50	50	15.44	15.42	15.44							
20	256QAM	100	0	15.42	15.46	15.47							
Channel													
				37825	38000	38175							
Frequency (MHz)													
15	QPSK	1	0	18.57	18.74	18.61	19.5	0					
15	QPSK	1	37	18.52	18.73	18.67							
15	QPSK	1	74	18.61	18.57	18.70							
15	QPSK	36	0	18.59	18.63	18.70							
15	QPSK	36	20	18.49	18.69	18.69							
15	QPSK	36	39	18.53	18.61	18.56	19.5	0					
15	QPSK	36	50	18.50	18.59	18.57							
15	16QAM	1	0	18.57	18.67	18.46							
15	16QAM	1	37	18.50	18.55	18.59							
15	16QAM	1	74	18.53	18.62	18.59							
15	16QAM	36	0	18.53	18.69	18.70	19.5	0					
15	16QAM	36	20	18.55	18.70	18.54							
15	16QAM	36	39	18.55	18.63	18.59							
15	16QAM	75	0	18.47	18.71	18.58							
15	16QAM	1	0	18.53	18.51	18.44							
15	16QAM	1	37	18.60	18.62	18.65	19.5	0					
15	16QAM	1	74	18.65	18.55	18.60							
15	16QAM	36	0	18.35	18.24	18.34							
15	16QAM	36	20	18.41	18.28	18.45							
15	16QAM	36	39	18.34	18.39	18.56							
15	16QAM	75	0	18.33	18.40	18.47	19	0.5					
15	256QAM	1	0	15.43	15.43	15.31							
15	256QAM	1	37	15.34	15.36	15.38							
15	256QAM	1	74	15.28	15.38	15.39							
15	256QAM	36	0	15.35	15.37	15.41							
15	256QAM	36	20	15.37	15.39	15.39	16	3.5					
15	256QAM	36	39	15.35	15.37	15.41							
15	256QAM	75	0	15.32	15.45	15.44							
Channel													
				37860	38000	38200							
Frequency (MHz)													
10	QPSK	1	0	18.57	18.67	18.66	19.5	0					
10	QPSK	1	25	18.60	18.68	18.69							
10	QPSK	1	49	18.65	18.58	18.58							
10	QPSK	25	0	18.59	18.71	18.58							
10	QPSK	25	0	18.42	18.39	18.63							
10	QPSK	25	25	18.62	18.61	18.52	19.5	0					
10	QPSK	50	0	18.57	18.67	18.69							
10	16QAM	1	0	18.47	18.65	18.51							
10	16QAM	1	25	18.48	18.55	18.50							
10	16QAM	1	49	18.43	18.37	18.54							
10	16QAM	25	0	18.55	18.77	18.58	19.5	0					
10	16QAM	25	12	18.57	18.65	18.52							
10	16QAM	25	25	18.52	18.67	18.53							
10	16QAM	50	0	18.50	18.59	18.59							
10	16QAM	1	0	18.49	18.44	18.57							
10	16QAM	1	25	18.61	18.61	18.63	19.5	0					
10	16QAM	1	49	18.67	18.50	18.67							
10	16QAM	25	0	18.27	18.34	18.41							
10	16QAM	25	12	18.42	18.31	18.46							
10	16QAM	25	25	18.35	18.29	18.46							
10	16QAM	50	0	18.36	18.28	18.51	16	3.5					
10	256QAM	1	0	15.33	15.50	15.31							
10	256QAM	1	25	15.39	15.31	15.33							
10	256QAM	1	49	15.31	15.37	15.48							
10	256QAM	25	0	15.42	15.34	15.30							
10	256QAM	25	12	15.34	15.31	15.31	16		3.5				
10	256QAM	25	25	15.40	15.35	15.33							
10	256QAM	50	0	15.38	15.35	15.33							
Channel													
				37775	38000	38225							
Frequency (MHz)													
5	QPSK	1	0	18.60	18.76	18.69	19.5	0					
5	QPSK	1	12	18.51	18.67	18.64							
5	QPSK	1	24	18.58	18.68	18.60							
5	QPSK	12	0	18.65	18.69	18.59							
5	QPSK	12	7	18.47	18.69	18.64							
5	QPSK	12	13	18.59	18.70	18.52	19.5	0					
5	QPSK	25	0	18.61	18.72	18.61							
5	16QAM	1	0	18.57	18.67	18.46							
5	16QAM	1	12	18.50	18.62	18.53							
5	16QAM	1	24	18.50	18.70	18.53							
5	16QAM	12	0	18.60	18.76	18.57	19.5	0					
5	16QAM	12	7	18.65	18.72	18.48							
5	16QAM	12	13	18.51	18.66	18.52							
5	16QAM	25	0	18.51	18.59	18.58							
5	16QAM	1	0	18.59	18.52	18.52							
5	16QAM	1	12	18.56	18.63	18.65	19.5	0					
5	16QAM	1	24	18.62	18.59	18.69							
5	16QAM	12	0	18.37	18.33	18.37							
5	16QAM	12	7	18.42	18.39	18.49	19	0.5					
5	16QAM	25	0	18.34	18.37	18.53							
5	16QAM	1	0	15.47	15.48	15.35							
5	256QAM	1	12	15.39	15.42	15.38							
5	256QAM	1	24	15.35	15.35	15.31							
5	256QAM	12	0	15.35	15.34	15.29	16	3.5					
5	256QAM	12	7	15.40	15.31	15.31							
5	256QAM	12	13	15.39	15.33	15.30							
5	256QAM	25	0	15.32	15.41	15.32							

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	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	18.40	18.40	18.40	18.40	18.40	19.3	0		
20	QPSK	1	49	18.35	18.39	18.43	18.51	18.38				
20	QPSK	1	99	18.35	18.46	18.53	18.49	18.32				
20	QPSK	50	0	18.37	18.47	18.52	18.51	18.44				
20	QPSK	50	24	18.33	18.42	18.40	18.46	18.42				
20	QPSK	50	50	18.30	18.45	18.46	18.44	18.31	19.3	0		
20	QPSK	100	0	18.35	18.43	18.51	18.49	18.38				
20	16QAM	1	0	18.34	18.38	18.42	18.48	18.32				
20	16QAM	1	49	18.32	18.35	18.46	18.52	18.31				
20	16QAM	1	99	18.25	18.35	18.49	18.39	18.30				
20	16QAM	50	0	18.28	18.48	18.46	18.46	18.40	19.3	0		
20	16QAM	50	24	18.30	18.36	18.53	18.50	18.32				
20	16QAM	50	50	18.37	18.42	18.47	18.43	18.41				
20	16QAM	100	0	18.34	18.36	18.52	18.49	18.31				
20	64QAM	1	0	18.34	18.37	18.54	18.48	18.34				
20	64QAM	1	49	18.28	18.41	18.43	18.41	18.34	19.3	0		
20	64QAM	1	99	18.36	18.41	18.40	18.42	18.33				
20	64QAM	50	0	18.35	18.35	18.47	18.46	18.35				
20	64QAM	50	24	18.27	18.44	18.47	18.50	18.41				
20	64QAM	50	50	18.36	18.49	18.41	18.51	18.43				
20	64QAM	100	0	18.39	18.42	18.42	18.53	18.43	19.3	0		
20	256QAM	1	0	18.37	18.40	18.48	18.37	18.45				
20	256QAM	1	49	16.32	16.38	16.43	16.30	16.38				
20	256QAM	1	99	16.40	16.37	16.48	16.35	16.45				
20	256QAM	50	0	16.40	16.41	16.44	16.42	16.41				
20	256QAM	50	24	16.35	16.37	16.46	16.37	16.35	17.3	2		
20	256QAM	50	50	16.45	16.39	16.50	16.45	16.48				
20	256QAM	100	0	16.50	16.48	16.51	16.48	16.48				
Channel												
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	18.35	18.37	18.48	18.39	18.33	19.3	0		
15	QPSK	1	37	18.34	18.25	18.33	18.37	18.22				
15	QPSK	1	74	18.30	18.38	18.42	18.46	18.23				
15	QPSK	36	0	18.24	18.33	18.51	18.41	18.37				
15	QPSK	36	20	18.18	18.40	18.39	18.38	18.29				
15	QPSK	36	39	18.19	18.36	18.34	18.42	18.23	19.3	0		
15	QPSK	75	0	18.20	18.28	18.48	18.40	18.30				
15	16QAM	1	0	18.21	18.37	18.31	18.45	18.29				
15	16QAM	1	37	18.22	18.33	18.33	18.42	18.26				
15	16QAM	1	74	18.14	18.30	18.48	18.29	18.15				
15	16QAM	36	0	18.15	18.36	18.40	18.31	18.38	19.3	0		
15	16QAM	36	20	18.26	18.24	18.52	18.40	18.23				
15	16QAM	36	39	18.25	18.30	18.46	18.40	18.27				
15	16QAM	75	0	18.20	18.22	18.43	18.37	18.18				
15	64QAM	1	0	18.24	18.31	18.43	18.40	18.22				
15	64QAM	1	37	18.15	18.33	18.36	18.37	18.20	19.3	0		
15	64QAM	1	74	18.27	18.28	18.39	18.32	18.21				
15	64QAM	36	0	18.30	18.34	18.45	18.36	18.25				
15	64QAM	36	20	18.24	18.39	18.45	18.47	18.35				
15	64QAM	36	39	18.30	18.34	18.29	18.49	18.32				
15	64QAM	75	0	18.29	18.28	18.27	18.40	18.41	17.3	2		
15	256QAM	1	0	16.27	16.39	16.46	16.26	16.43				
15	256QAM	1	37	16.18	16.28	16.31	16.25	16.28				
15	256QAM	1	74	16.26	16.26	16.42	16.27	16.34				
15	256QAM	50	0	16.36	16.33	16.37	16.41	16.38				
15	256QAM	36	20	16.28	16.24	16.44	16.30	16.24	17.3	2		
15	256QAM	36	39	16.34	16.34	16.35	16.38	16.34				
15	256QAM	75	0	16.36	16.43	16.40	16.43	16.33				
Channel												
Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	18.25	18.43	18.43	18.42	18.30	19.3	0		
10	QPSK	1	25	18.24	18.33	18.42	18.49	18.24				
10	QPSK	1	49	18.29	18.44	18.38	18.39	18.18				
10	QPSK	25	0	18.25	18.44	18.51	18.41	18.18				
10	QPSK	25	12	18.32	18.41	18.37	18.31	18.28				
10	QPSK	25	25	18.20	18.40	18.36	18.33	18.23	19.3	0		
10	QPSK	50	0	18.27	18.32	18.48	18.35	18.25				
10	16QAM	1	0	18.22	18.35	18.36	18.43	18.23				
10	16QAM	1	25	18.26	18.30	18.42	18.37	18.26				
10	16QAM	1	49	18.24	18.32	18.41	18.37	18.20				
10	16QAM	25	0	18.25	18.36	18.33	18.39	18.32	19.3	0		
10	16QAM	25	12	18.19	18.21	18.51	18.37	18.24				
10	16QAM	25	25	18.22	18.39	18.45	18.41	18.30				
10	16QAM	50	0	18.36	18.39	18.37	18.41	18.38				
10	64QAM	1	0	18.29	18.34	18.48	18.34	18.21				
10	64QAM	1	25	18.17	18.31	18.42	18.37	18.32	19.3	0		
10	64QAM	1	49	18.35	18.36	18.39	18.32	18.31				
10	64QAM	25	0	18.28	18.24	18.43	18.43	18.32				
10	64QAM	25	12	18.24	18.33	18.44	18.40	18.34				
10	64QAM	25	25	18.26	18.42	18.27	18.43	18.32				
10	64QAM	50	0	18.27	18.30	18.40	18.45	18.42	17.3	2		
10	256QAM	1	0	16.34	16.38	16.37	16.27	16.41				
10	256QAM	1	25	16.19	16.29	16.32	16.26	16.28				
10	256QAM	1	49	16.39	16.32	16.35	16.31	16.44				
10	256QAM	25	0	16.36	16.37	16.42	16.39	16.36				
10	256QAM	25	12	16.27	16.29	16.33	16.31	16.33	17.3	2		
10	256QAM	25	25	16.31	16.36	16.47	16.35	16.47				
10	256QAM	50	0	16.40	16.43	16.50	16.46	16.45				
Channel												
Frequency (MHz)				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	18.28	18.44	18.51	18.51	18.38	19.3	0		
5	QPSK	1	12	18.33	18.33	18.39	18.45	18.28				
5	QPSK	1	24	18.34	18.42	18.50	18.45	18.24				
5	QPSK	12	0	18.23	18.43	18.48	18.50	18.36	19.3	0		
5	QPSK	12	7	18.26	18.29	18.32	18.41	18.30				
5	QPSK	12	13	18.27	18.34	18.44	18.39	18.27				
5	QPSK	25	0	18.33	18.35	18.37	18.44	18.35				
5	QPSK	25	1	18.19	18.38	18.36	18.43	18.20				
5	16QAM	1	0	18.21	18.33	18.38	18.50	18.27	19.3	0		
5	16QAM	1	24	18.15	18.31	18.36	18.28	18.15				
5	16QAM	12	0	18.15	18.37	18.45	18.44	18.34				
5	16QAM	12	7	18.20	18.29	18.43	18.43	18.31				
5	16QAM	12	13	18.29	18.40	18.40	18.39	18.38				
5	16QAM	25	0	18.32	18.31	18.45	18.34	18.16	19.3	0		
5	64QAM	1	0	18.21	18.34	18.41	18.39	18.19				
5	64QAM	1	12	18.19	18.29	18.28	18.35	18.24				
5	64QAM	12	7	18.35	18.40	18.40	18.36	18.23				
5	64QAM	12	13	18.33	18.27	18.35	18.41	18.30				
5	64QAM	12	7	18.20	18.33	18.32	18.42	18.35	19.3	0		
5	64QAM	12	13	18.23	18.45	18.39	18.40	18.39				
5	64QAM	25	0	18.33	18.31	18.29	18.33	18.32				
5	256QAM	1	0	16.35	16.38	16.36	16.27	16.35				
5	256QAM	1	12	16.26	16.35	16.36	16.28	16.30				
5	256QAM	1	24	16.26	16.34	16.47	16.26	16.40	17.3	2		
5	256QAM	12	0	16.30	16.31	16.37	16.30	16.34				
5	256QAM	12	7	16.32	16.32	16.37	16.32	16.32				
5	256QAM	12	13	16.33	16.26	16.47	16.38	16.42				
5	256QAM	25	0	16.35	16.45	16.36	16.38	16.33				

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.	Tune-up limit (dBm)	MPR (dB)					
Channel				39750	40165	40620	41065	41490							
Frequency (MHz)				2506	2549.5	2593	2636.5	2680							
20	QPSK	1	0	19.30	19.35	19.40	19.45	19.50	20.2	0					
20	QPSK	1	49	19.23	19.33	19.41	19.36	19.27							
20	QPSK	1	99	19.31	19.33	19.33	19.25	19.27							
20	QPSK	50	0	19.35	19.33	19.40	19.30	19.38							
20	QPSK	50	24	19.31	19.32	19.30	19.27	19.36							
20	QPSK	50	50	19.25	19.24	19.35	19.26	19.29	20.2	0					
20	QPSK	100	0	19.32	19.28	19.38	19.31	19.27							
20	16QAM	1	0	19.31	19.26	19.27	19.31	19.26							
20	16QAM	1	49	19.35	19.30	19.28	19.39	19.32							
20	16QAM	1	99	19.36	19.21	19.33	19.33	19.25							
20	16QAM	50	0	19.24	19.25	19.30	19.32	19.30	20.2	0					
20	16QAM	50	24	19.35	19.26	19.31	19.27	19.33							
20	16QAM	50	50	19.36	19.22	19.40	19.30	19.28							
20	16QAM	100	0	19.24	19.28	19.29	19.30	19.29							
20	64QAM	1	0	19.30	19.21	19.38	19.31	19.31							
20	64QAM	1	49	19.30	19.20	19.36	19.35	19.37	20.2	0					
20	64QAM	1	99	19.34	19.28	19.33	19.31	19.24							
20	64QAM	50	0	19.27	19.31	19.31	19.33	19.33							
20	64QAM	50	24	19.33	19.27	19.29	19.28	19.25							
20	64QAM	50	50	19.23	19.24	19.36	19.37	19.38							
20	64QAM	100	0	19.30	19.20	19.40	19.25	19.31	20.2	0					
20	256QAM	1	0	19.34	19.32	19.27	19.26	19.19							
20	256QAM	1	49	19.29	19.26	19.30	19.32	19.37							
20	256QAM	1	99	19.27	19.33	19.33	19.33	19.24							
20	256QAM	50	0	19.29	19.23	19.29	19.26	19.26							
20	256QAM	50	24	19.29	19.20	19.36	19.38	19.38	20.2	0					
20	256QAM	50	50	19.36	19.30	19.38	19.26	19.36							
20	256QAM	100	0	19.37	19.24	19.40	19.26	19.35							
Channel				39725	40173	40620	41068	41515							
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5							
15	QPSK	1	0	19.29	19.26	19.29	19.28	19.27	20.2	0					
15	QPSK	1	37	19.08	19.20	19.34	19.27	19.13							
15	QPSK	1	74	19.22	19.27	19.23	19.10	19.20							
15	QPSK	36	0	19.33	19.29	19.26	19.34	19.30							
15	QPSK	36	20	19.24	19.25	19.16	19.25	19.14							
15	QPSK	36	39	19.22	19.23	19.27	19.15	19.14	20.2	0					
15	QPSK	75	0	19.24	19.23	19.27	19.26	19.18							
15	16QAM	1	0	19.19	19.21	19.15	19.24	19.17							
15	16QAM	1	37	19.21	19.23	19.23	19.36	19.29							
15	16QAM	1	74	19.33	19.13	19.31	19.28	19.16							
15	16QAM	36	0	19.10	19.14	19.27	19.24	19.16	20.2	0					
15	16QAM	36	20	19.24	19.23	19.16	19.14	19.18							
15	16QAM	36	39	19.21	19.09	19.35	19.24	19.24							
15	16QAM	75	0	19.17	19.14	19.23	19.15	19.17							
15	64QAM	1	0	19.23	19.13	19.24	19.16	19.26							
15	64QAM	1	37	19.18	19.05	19.26	19.24	19.32	20.2	0					
15	64QAM	1	74	19.20	19.19	19.32	19.26	19.15							
15	64QAM	36	0	19.12	19.18	19.24	19.21	19.21							
15	64QAM	36	20	19.32	19.15	19.21	19.15	19.11							
15	64QAM	36	39	19.15	19.14	19.29	19.22	19.32							
15	64QAM	75	0	19.25	19.09	19.37	19.15	19.27	20.2	0					
15	256QAM	1	0	19.26	19.17	19.36	19.29	19.18							
15	256QAM	1	37	19.20	19.21	19.28	19.30	19.25							
15	256QAM	1	74	19.21	19.31	19.24	19.27	19.18							
15	256QAM	1	99	19.25	19.09	19.17	19.18	19.18							
15	256QAM	36	20	19.18	19.09	19.24	19.30	19.34	20.2	0					
15	256QAM	36	39	19.23	19.29	19.31	19.20	19.21							
15	256QAM	75	0	19.31	19.20	19.32	19.11	19.27							
Channel				39700	40160	40620	41080	41540							
Frequency (MHz)				25001	25451	2593	26393	26855							
10	QPSK	1	0	19.37	19.26	19.35	19.39	19.27	18.8	0					
10	QPSK	1	25	19.20	19.25	19.34	19.23	19.17							
10	QPSK	1	49	19.30	19.21	19.32	19.11	19.12							
10	QPSK	25	0	19.34	19.22	19.39	19.28	19.31							
10	QPSK	25	12	19.21	19.18	19.17	19.23	19.26							
10	QPSK	25	25	19.18	19.13	19.24	19.12	19.15	20.2	0					
10	QPSK	50	0	19.26	19.15	19.29	19.16	19.16							
10	16QAM	1	0	19.29	19.21	19.26	19.30	19.22							
10	16QAM	1	25	19.33	19.24	19.31	19.30	19.22							
10	16QAM	1	49	19.33	19.14	19.32	19.20	19.23							
10	16QAM	25	0	19.21	19.10	19.25	19.30	19.26	20.2	0					
10	16QAM	25	12	19.29	19.18	19.20	19.22	19.29							
10	16QAM	25	25	19.32	19.16	19.31	19.17	19.16							
10	16QAM	50	0	19.21	19.16	19.34	19.16	19.20							
10	64QAM	1	25	19.15	19.17	19.34	19.27	19.34							
10	64QAM	1	49	19.33	19.19	19.27	19.30	19.09	20.2	0					
10	64QAM	25	0	19.22	19.23	19.22	19.28	19.22							
10	64QAM	25	12	19.28	19.19	19.18	19.13	19.13							
10	64QAM	25	25	19.16	19.13	19.24	19.32	19.33							
10	64QAM	50	0	19.20	19.07	19.27	19.15	19.17							
10	256QAM	1	0	19.23	19.30	19.38	19.38	19.19	20.2	0					
10	256QAM	1	25	19.14	19.24	19.21	19.18	19.30							
10	256QAM	1	49	19.22	19.29	19.21	19.28	19.22							
10	256QAM	25	0	19.16	19.21	19.28	19.22	19.19							
10	256QAM	25	12	19.17	19.11	19.32	19.36	19.33							
10	256QAM	25	25	19.29	19.29	19.32	19.18	19.33	20.2	0					
10	256QAM	50	0	19.35	19.11	19.37	19.17	19.30							
Channel				39675	40148	40620	41093	41565							
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5							
5	QPSK	1	0	19.31	19.25	19.29	19.34	19.29	20.2	0					
5	QPSK	1	12	19.16	19.18	19.26	19.32	19.25							
5	QPSK	1	24	19.30	19.19	19.18	19.16	19.26							
5	QPSK	12	0	19.34	19.24	19.32	19.32	19.23							
5	QPSK	12	7	19.25	19.20	19.28	19.14	19.21	20.2	0					
5	QPSK	12	13	19.23	19.09	19.23	19.20	19.25							
5	QPSK	25	0	19.21	19.24	19.29	19.18	19.21							
5	QPSK	25	13	19.21	19.13	19.19	19.19	19.22							
5	16QAM	1	12	19.21	19.25	19.18	19.33	19.20	20.2	0					
5	16QAM	1	24	19.23	19.07	19.26	19.21	19.10							
5	16QAM	12	0	19.20	19.24	19.18	19.21	19.20							
5	16QAM	12	7	19.32	19.17	19.26	19.25	19.28							
5	16QAM	12	13	19.17	19.08	19.18	19.17	19.28	20.2	0					
5	16QAM	25	0	19.15	19.18	19.22	19.25	19.25							
5	16QAM	1	0	19.22	19.20	19.30	19.30	19.26							
5	16QAM	1	12	19.19	19.14	19.25	19.30	19.30							
5	64QAM	1	0	19.31	19.18	19.18	19.30	19.14	20.2	0					
5	64QAM	1	0	19.18	19.27	19.16	19.26	19.30							
5	64QAM	12	13	19.22	19.23	19.18	19.18	19.14							
5	64QAM	12	13	19.14	19.12	19.26	19.28	19.27							
5	64QAM	25	0	19.15	19.08	19.36	19.20	19.27	20.2	0					
5	256QAM	1	0	19.25	19.25	19.35	19.25	19.25							
5	256QAM	1	12	19.20	19.05	19.17	19.21	19.32							
5	256QAM	1	24	19.17	19.28	19.28	19.22	19.20							
5	256QAM	12	0	19.27	19.13	19.17	19.20	19.17	20.2	0					
5	256QAM	12	7	19.35	19.13	19.30	19.19	19.24							
5	256QAM	12	13	19.30	19.29	19.32	19.11	19.29							
5	256QAM	25	0	19.32	19.17	19.33	19.17	19.34							

GSM850_Ant 0	Burst Average Power (dBm)				Frame Average Power (dBm)			
	TX Channel	512	589	551	Limit	512	589	551
Frequency (MHz)	924.2	836.4	848.8	(dBm)	924.2	836.4	848.8	(dBm)
GBM 1 Tx slot	29.45	29.53	29.52	30.10	20.45	20.53	20.52	21.10
GBM 1 Tx slot	28.42	28.50	28.42	30.10	20.42	20.50	20.42	21.10
GPRS-EDGE(GMSK) 1 Tx slots	26.34	26.45	26.42	27.60	20.34	20.45	20.42	21.60
GPRS-EDGE(GMSK) 2 Tx slots	24.37	24.52	24.48	25.10	20.11	20.26	20.22	21.84
GPRS-EDGE(GMSK) 3 Tx slots	23.31	23.40	23.39	24.60	20.31	20.40	20.39	21.60
GPRS-EDGE(GMSK) 4 Tx slots	26.28	26.30	26.35	26.80	17.28	17.30	17.35	17.80
EDGE 1 Tx slot	25.20	25.25	25.18	25.60	19.20	19.25	19.18	19.60
EDGE 2 Tx slot	23.05	23.03	22.98	23.60	18.74	18.77	18.72	19.34
EDGE 3 Tx slot	21.45	21.45	21.37	22.10	18.45	18.45	18.37	19.10

Reduced Power Mode for ECI 10

GSM850_Ant 1	Burst Average Power (dBm)				Frame Average Power (dBm)			
	TX Channel	512	589	551	Limit	512	589	551
Frequency (MHz)	924.2	836.4	848.8	(dBm)	924.2	836.4	848.8	(dBm)
GBM 1 Tx slot	32.16	32.17	32.05	33.50	23.16	23.17	23.05	24.50
GPRS-EDGE(GMSK) 1 Tx slots	32.12	32.15	32.01	33.50	23.12	23.15	23.01	24.50
GPRS-EDGE(GMSK) 2 Tx slots	29.59	29.70	29.65	31.00	23.59	23.70	23.65	25.00
GPRS-EDGE(GMSK) 3 Tx slots	28.01	28.13	28.05	29.50	23.75	23.87	23.79	25.24
GPRS-EDGE(GMSK) 4 Tx slots	26.34	27.08	26.97	28.00	23.34	24.08	23.97	25.00
EDGE 1 Tx slot	26.17	26.30	26.20	27.20	17.17	17.30	17.20	18.20
EDGE 2 Tx slot	25.00	25.12	25.00	26.00	19.00	19.12	19.00	20.00
EDGE 3 Tx slot	22.95	22.96	22.88	24.00	18.69	18.70	18.62	19.74
EDGE 4 Tx slot	21.23	21.25	21.26	22.50	18.23	18.25	18.26	19.50

GSM1900_Ant 5	Burst Average Power (dBm)				Frame Average Power (dBm)			
	TX Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1852.2	1862	1870.8	(dBm)	1852.2	1862	1870.8	(dBm)
GBM 1 Tx slot	29.83	29.83	29.85	30.50	20.83	20.83	20.85	21.50
GPRS-EDGE(GMSK) 1 Tx slot	29.78	29.80	29.78	30.50	20.78	20.80	20.78	21.50
GPRS-EDGE(GMSK) 2 Tx slots	27.27	27.42	27.31	28.50	21.27	21.42	21.31	22.50
GPRS-EDGE(GMSK) 3 Tx slots	26.77	26.83	26.73	28.50	21.51	21.57	21.47	22.24
GPRS-EDGE(GMSK) 4 Tx slots	24.61	24.65	24.53	25.00	21.61	21.65	21.53	22.00
EDGE 1 Tx slot	25.64	25.70	25.56	26.50	18.64	18.70	18.56	17.50
EDGE 2 Tx slot	23.63	23.85	23.82	24.50	17.83	17.85	17.82	18.50
EDGE 3 Tx slot	21.62	21.70	21.57	22.50	17.38	17.44	17.31	18.24
EDGE 4 Tx slot	20.62	20.69	20.65	21.50	17.62	17.69	17.65	18.50

GSM1900_Ant 6	Burst Average Power (dBm)				Frame Average Power (dBm)			
	TX Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1852.2	1862	1870.8	(dBm)	1852.2	1862	1870.8	(dBm)
GBM 1 Tx slot	25.45	25.49	25.43	25.70	16.45	16.49	16.43	16.70
GPRS-EDGE(GMSK) 1 Tx slot	25.41	25.45	25.37	25.70	16.41	16.45	16.37	16.70
GPRS-EDGE(GMSK) 2 Tx slots	22.31	22.40	22.30	23.70	16.31	16.40	16.30	17.70
GPRS-EDGE(GMSK) 3 Tx slots	20.50	20.62	20.56	21.70	16.26	16.38	16.30	17.44
GPRS-EDGE(GMSK) 4 Tx slots	19.30	19.33	19.24	20.20	16.30	16.33	16.24	17.20
EDGE 1 Tx slot	24.71	24.85	24.75	25.20	15.71	15.85	15.75	16.20
EDGE 2 Tx slot	21.71	21.85	21.83	22.20	15.71	15.85	15.83	16.20
EDGE 3 Tx slot	19.30	19.32	19.79	20.20	15.64	15.66	15.53	15.94
EDGE 4 Tx slot	18.37	18.40	18.36	18.70	15.37	15.40	15.36	15.70

Band	WCDMA IV_Ant 5				WCDMA IV_Ant 6			
	TX Channel	9652	9450	9638	Limit	9652	9450	9638
Frequency (MHz)	1852.4	1860	1867.6	(dBm)	1852.4	1860	1867.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	23.03	23.08	23.00	23.80	15.28	15.27	15.32
3GPP Rel 99	RMC 12.2Kbps	23.05	23.10	23.02	23.80	15.32	15.40	15.36
3GPP Rel 6	HSDPA Subtest-1	21.96	22.99	22.50	22.80	15.21	15.36	15.29
3GPP Rel 6	HSDPA Subtest-2	22.90	22.97	21.97	22.80	15.25	15.28	15.34
3GPP Rel 6	HSDPA Subtest-3	21.86	21.60	21.51	22.30	15.18	15.35	15.30
3GPP Rel 6	HSDPA Subtest-4	21.48	21.56	21.49	22.30	15.24	15.27	15.30
3GPP Rel 6	DC-HSDPA Subtest-1	21.88	22.06	21.96	22.80	15.21	15.25	15.33
3GPP Rel 6	DC-HSDPA Subtest-2	21.88	22.02	21.90	22.80	15.20	15.37	15.35
3GPP Rel 6	DC-HSDPA Subtest-3	21.55	21.57	21.42	22.30	15.30	15.36	15.28
3GPP Rel 6	DC-HSDPA Subtest-4	21.20	21.42	21.40	22.30	15.17	15.31	15.26
3GPP Rel 6	HSUPA Subtest-1	21.05	21.12	21.04	22.50	15.25	15.28	15.20
3GPP Rel 6	HSUPA Subtest-2	21.04	21.10	21.05	22.80	15.22	15.28	15.34
3GPP Rel 6	HSUPA Subtest-3	21.06	21.13	21.05	22.80	15.29	15.38	15.25
3GPP Rel 6	HSUPA Subtest-4	20.55	20.65	20.60	22.30	15.24	15.35	15.30
3GPP Rel 6	HSUPA Subtest-5	22.00	22.10	22.00	23.80	15.23	15.38	15.23
3GPP Rel 7	HSFPA (16QAM) Subtest-1	21.07	21.10	21.04	22.30	15.30	15.36	15.23

Band	WCDMA IV_Ant 5				WCDMA IV_Ant 6				WCDMA IV_Ant 11				WCDMA IV_Ant 7			
	TX Channel	1312	1413	1513	Limit	1312	1413	1513	Limit	1312	1413	1513	Limit	1312	1413	1513
Frequency (MHz)	1852.4	1752.6	1752.6	(dBm)	1852.4	1752.6	1752.6	(dBm)	1852.4	1752.6	1752.6	(dBm)	1852.4	1752.6	1752.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	24.08	24.12	24.10	24.80	14.90	14.90	14.88	15.40	16.18	16.19	16.22	16.80	15.26	15.39	15.23
3GPP Rel 99	RMC 12.2Kbps	24.12	24.15	24.13	24.80	14.88	14.94	14.85	15.40	16.22	16.23	16.26	16.80	15.32	15.42	15.35
3GPP Rel 6	HSDPA Subtest-1	23.17	23.18	23.16	23.80	14.73	14.89	14.81	15.40	16.15	16.19	16.17	16.80	15.22	15.36	15.30
3GPP Rel 6	HSDPA Subtest-2	23.13	23.11	23.14	23.80	14.77	14.88	14.77	15.40	16.19	16.27	16.22	16.80	15.30	15.29	15.22
3GPP Rel 6	HSDPA Subtest-3	22.70	22.63	22.71	23.30	14.87	14.88	14.81	15.40	16.07	16.24	16.15	16.80	15.24	15.36	15.21
3GPP Rel 6	HSDPA Subtest-4	22.63	22.62	22.65	23.30	14.74	14.85	14.81	15.40	16.16	16.20	16.14	16.80	15.31	15.30	15.21
3GPP Rel 6	DC-HSDPA Subtest-1	22.11	22.07	22.10	23.80	14.83	14.82	14.80	15.40	16.06	16.14	16.24	16.80	15.28	15.28	15.10
3GPP Rel 6	DC-HSDPA Subtest-2	22.04	22.08	22.06	23.80	14.80	14.77	14.79	15.40	16.14	16.23	16.11	16.80	15.23	15.27	15.26
3GPP Rel 6	DC-HSDPA Subtest-3	22.64	22.59	22.62	23.30	14.76	14.78	14.70	15.40	16.17	16.21	16.19	16.80	15.30	15.37	15.23
3GPP Rel 6	DC-HSDPA Subtest-4	22.51	22.50	22.50	23.30	14.84	14.75	14.75	15.40	16.16	16.26	16.16	16.80	15.22	15.40	15.21
3GPP Rel 6	HSUPA Subtest-1	22.18	22.14	22.22	22.80	14.83	14.78	14.71	15.40	16.14	16.24	16.80	15.17	15.33	15.20	16.10
3GPP Rel 6	HSUPA Subtest-2	22.21	22.16	22.25	22.80	14.85	14.89	14.75	15.40	16.20	16.23	16.19	16.80	15.26	15.33	15.32
3GPP Rel 6	HSUPA Subtest-3	22.21	22.15	22.18	22.80	14.80	14.83	14.75	15.40	16.21	16.27	16.14	16.80	15.30	15.36	15.28
3GPP Rel 6	HSUPA Subtest-4	21.70	21.70	21.72	22.30	14.76	14.77	14.80	15.40	16.07	16.14	16.17	16.80	15.31	15.28	15.31
3GPP Rel 6	HSUPA Subtest-5	23.20	23.20	23.20	23.80	14.78	14.85	14.81	15.40	16.17	16.18	16.15	16.80	15.20	15.38	15.23
3GPP Rel 7	HSFPA (16QAM) Subtest-1	21.98	22.09	22.05	23.80	14.83	14.75	14.75	15.40	16.19	16.16	16.20	16.80	15.28	15.36	15.25

Band	WCDMA V_Ant 0				WCDMA V_Ant 1			
	TX Channel	4192	4182	4233	Limit	4192	4182	4233
Frequency (MHz)	826.4	836.4	846.6	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	22.18	22.37	22.32	22.90	24.20	24.23	24.25
3GPP Rel 99	RMC 12.2Kbps	22.23	22.40	22.36	22.90	24.24	24.26	24.27
3GPP Rel 6	HSDPA Subtest-1	22.18	22.31	22.30	22.90	23.30	23.34	23.33
3GPP Rel 6	HSDPA Subtest-2	22.29	22.31	22.28	22.90	23.29	23.26	23.29
3GPP Rel 6	HSDPA Subtest-3	22.21	22.27	22.29	22.90	22.63	22.80	22.89
3GPP Rel 6	HSDPA Subtest-4	22.23	22.35	22.34	22.90	22.61	22.73	22.85
3GPP Rel 6	DC-HSDPA Subtest-1	22.27	22.32	22.23	22.90	23.26	23.22	23.26
3GPP Rel 6	DC-HSDPA Subtest-2	22.23	22.31	22.21	22.90	23.18	23.19	23.19
3GPP Rel 6	DC-HSDPA Subtest-3	22.25	22.30	22.28	22.90	22.72	22.75	22.77
3GPP Rel 6	DC-HSDPA Subtest-4	22.25	22.31	22.30	22.90	22.73	22.67	22.73
3GPP Rel 6	HSUPA Subtest-1	21.84	21.82	21.86	22.40	22.25	22.25	22.29
3GPP Rel 6	HSUPA Subtest-2	21.83	21.83	21.85	22.40	22.28	22.28	22.28
3GPP Rel 6	HSUPA Subtest-3	21.84	21.84	21.86	22.40	22.29	22.27	22.28
3GPP Rel 6	HSUPA Subtest-4	21.38	21.34	21.36	21.90	21.61	21.75	21.83
3GPP Rel 6	HSUPA Subtest-5	22.26	22.37	22.30	22.90	23.30	23.30	23.30
3GPP Rel 7	HSFPA (16QAM) Subtest-1	21.75	21.86	21.84	22.90	22.25	22.31	22.21



Band 2_Ant 5									
RF (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	13.13	23.24	23.13		23.8	0
20	QPSK	1	48	23.19	23.17	23.01			
20	QPSK	1	96	23.09	23.07	22.91			
20	QPSK	50	0	22.82	22.74	22.70		23.3	0.5
20	QPSK	50	24	22.81	22.69	22.64			
20	QPSK	100	0	22.82	22.70	22.61			
20	QPSK	100	24	22.83	22.68	22.59		23.3	0.5
20	QPSK	100	48	22.80	22.67	22.60			
20	QPSK	1	96	22.90	22.88	22.84			
20	QPSK	1	144	22.94	22.92	22.89			
20	QPSK	1	192	22.99	22.97	22.94			
20	QPSK	1	240	22.99	22.94	22.87		22.8	1
20	QPSK	1	288	22.99	22.94	22.87			
20	QPSK	1	336	22.99	22.94	22.87			
20	QPSK	1	384	22.99	22.94	22.87			
20	QPSK	1	432	22.99	22.94	22.87			
20	QPSK	1	480	22.99	22.94	22.87			
20	QPSK	1	528	22.99	22.94	22.87			
20	QPSK	1	576	22.99	22.94	22.87			
20	QPSK	1	624	22.99	22.94	22.87			
20	QPSK	1	672	22.99	22.94	22.87			
20	QPSK	1	720	22.99	22.94	22.87			
20	QPSK	1	768	22.99	22.94	22.87			
20	QPSK	1	816	22.99	22.94	22.87			
20	QPSK	1	864	22.99	22.94	22.87			
20	QPSK	1	912	22.99	22.94	22.87			
20	QPSK	1	960	22.99	22.94	22.87			
20	QPSK	1	1008	22.99	22.94	22.87			
20	QPSK	1	1056	22.99	22.94	22.87			
20	QPSK	1	1104	22.99	22.94	22.87			
20	QPSK	1	1152	22.99	22.94	22.87			
20	QPSK	1	1200	22.99	22.94	22.87			
20	QPSK	1	1248	22.99	22.94	22.87			
20	QPSK	1	1296	22.99	22.94	22.87			
20	QPSK	1	1344	22.99	22.94	22.87			
20	QPSK	1	1392	22.99	22.94	22.87			
20	QPSK	1	1440	22.99	22.94	22.87			
20	QPSK	1	1488	22.99	22.94	22.87			
20	QPSK	1	1536	22.99	22.94	22.87			
20	QPSK	1	1584	22.99	22.94	22.87			
20	QPSK	1	1632	22.99	22.94	22.87			
20	QPSK	1	1680	22.99	22.94	22.87			
20	QPSK	1	1728	22.99	22.94	22.87			
20	QPSK	1	1776	22.99	22.94	22.87			
20	QPSK	1	1824	22.99	22.94	22.87			
20	QPSK	1	1872	22.99	22.94	22.87			
20	QPSK	1	1920	22.99	22.94	22.87			
20	QPSK	1	1968	22.99	22.94	22.87			
20	QPSK	1	2016	22.99	22.94	22.87			
20	QPSK	1	2064	22.99	22.94	22.87			
20	QPSK	1	2112	22.99	22.94	22.87			
20	QPSK	1	2160	22.99	22.94	22.87			
20	QPSK	1	2208	22.99	22.94	22.87			
20	QPSK	1	2256	22.99	22.94	22.87			
20	QPSK	1	2304	22.99	22.94	22.87			
20	QPSK	1	2352	22.99	22.94	22.87			
20	QPSK	1	2400	22.99	22.94	22.87			
20	QPSK	1	2448	22.99	22.94	22.87			
20	QPSK	1	2496	22.99	22.94	22.87			
20	QPSK	1	2544	22.99	22.94	22.87			
20	QPSK	1	2592	22.99	22.94	22.87			
20	QPSK	1	2640	22.99	22.94	22.87			
20	QPSK	1	2688	22.99	22.94	22.87			
20	QPSK	1	2736	22.99	22.94	22.87			
20	QPSK	1	2784	22.99	22.94	22.87			
20	QPSK	1	2832	22.99	22.94	22.87			
20	QPSK	1	2880	22.99	22.94	22.87			
20	QPSK	1	2928	22.99	22.94	22.87			
20	QPSK	1	2976	22.99	22.94	22.87			
20	QPSK	1	3024	22.99	22.94	22.87			
20	QPSK	1	3072	22.99	22.94	22.87			
20	QPSK	1	3120	22.99	22.94	22.87			
20	QPSK	1	3168	22.99	22.94	22.87			
20	QPSK	1	3216	22.99	22.94	22.87			
20	QPSK	1	3264	22.99	22.94	22.87			
20	QPSK	1	3312	22.99	22.94	22.87			
20	QPSK	1	3360	22.99	22.94	22.87			
20	QPSK	1	3408	22.99	22.94	22.87			
20	QPSK	1	3456	22.99	22.94	22.87			
20	QPSK	1	3504	22.99	22.94	22.87			
20	QPSK	1	3552	22.99	22.94	22.87			
20	QPSK	1	3600	22.99	22.94	22.87			
20	QPSK	1	3648	22.99	22.94	22.87			
20	QPSK	1	3696	22.99	22.94	22.87			
20	QPSK	1	3744	22.99	22.94	22.87			
20	QPSK	1	3792	22.99	22.94	22.87			
20	QPSK	1	3840	22.99	22.94	22.87			
20	QPSK	1	3888	22.99	22.94	22.87			
20	QPSK	1	3936	22.99	22.94	22.87			
20	QPSK	1	3984	22.99	22.94	22.87			
20	QPSK	1	4032	22.99	22.94	22.87			
20	QPSK	1	4080	22.99	22.94	22.87			
20	QPSK	1	4128	22.99	22.94	22.87			
20	QPSK	1	4176	22.99	22.94	22.87			
20	QPSK	1	4224	22.99	22.94	22.87			
20	QPSK	1	4272	22.99	22.94	22.87			
20	QPSK	1	4320	22.99	22.94	22.87			
20	QPSK	1	4368	22.99	22.94	22.87			
20	QPSK	1	4416	22.99	22.94	22.87			
20	QPSK	1	4464	22.99	22.94	22.87			
20	QPSK	1	4512	22.99	22.94	22.87			
20	QPSK	1	4560	22.99	22.94	22.87			
20	QPSK	1	4608	22.99	22.94	22.87			
20	QPSK	1	4656	22.99	22.94	22.87			
20	QPSK	1	4704	22.99	22.94	22.87			
20	QPSK	1	4752	22.99	22.94	22.87			
20	QPSK	1	4800	22.99	22.94	22.87			
20	QPSK	1	4848	22.99	22.94	22.87			
20	QPSK	1	4896	22.99	22.94	22.87			
20	QPSK	1	4944	22.99	22.94	22.87			
20	QPSK	1	4992	22.99	22.94	22.87			
20	QPSK	1	5040	22.99	22.94	22.87			
20	QPSK	1	5088	22.99	22.94	22.87			
20	QPSK	1	5136	22.99	22.94	22.87			
20	QPSK	1	5184	22.99	22.94	22.87			
20	QPSK	1	5232	22.99	22.94	22.87			
20	QPSK	1	5280	22.99	22.94	22.87			
20	QPSK	1	5328	22.99	22.94	22.87			
20	QPSK	1	5376	22.99	22.94	22.87			
20	QPSK	1	5424	22.99	22.94	22.87			
20	QPSK	1	5472	22.99	22.94	22.87			
20	QPSK	1	5520	22.99	22.94	22.87			
20	QPSK	1	5568	22.99	22.94	22.87			
20	QPSK	1	5616	22.99	22.94	22.87			
20	QPSK	1	5664	22.99	22.94	22.87			
20	QPSK	1	5712	22.99	22.94	22.87			
20	QPSK	1	5760	22.99	22.94	22.87			
20	QPSK	1	5808	22.99	22.94	22.87			
20	QPSK	1	5856	22.99	22.94	22.87			
20	QPSK	1	5904	22.99	22.94	22.87			
20	QPSK	1	5952	22.99	22.94	22.87			
20	QPSK	1	6000	22.99	22.94	22.87			
20	QPSK	1	6048	22.99	22.94	22.87			
20	QPSK	1	6096	22.99	22.94	22.87			
20	QPSK	1	6144	22.99	22.94	22.87			
20	QPSK	1	6192	22.99	22.94	22.87			
20	QPSK	1	6240	22.99	22.94	22.87			
20	QPSK	1	6288	22.99	22.94	22.87			
20	QPSK	1	6336	22.99	22.94	22.87			
20	QPSK	1	6384	22.99	22.94	22.87			
20	QPSK	1	6432	22.99	22.94	22.87			
20	QPSK	1	6480	22.99	22.94	22.87			
20	QPSK	1	6528	22.99	22.94	22.87			
20	QPSK	1	6576	22.99	22.94	22.87			
20	QPSK	1	6624	22.99	22.94	22.87			
20	QPSK	1	6672	22.99	22.94	22.87			
20	QPSK	1	6720	22.99	22.94	22.87			
20	QPSK	1	6768	22.99	22.94	22.87			
20	QPSK	1	6816	22.99	22.94	22.87			
20	QPSK	1	6864	22.99	22.94	22.87			
20	QPSK	1	6912	22.99	22.94	22.87			
20	QPSK	1	6960	22.99	22.94	22.87			
20	QPSK	1	7008	22.99	22.94	22.87			
20	QPSK	1	7056	22.99	22.94	22.87			

Band 4_Ant 5											Band 4_Ant 6											Band 4_Ant 11											Band 4_Ant 7											
RV	Modulation	RB	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Turnup (dBm)	MPR (dB)			RV	Modulation	RB	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Turnup (dBm)	MPR (dB)			RV	Modulation	RB	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Turnup (dBm)	MPR (dB)			RV	Modulation	RB	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Turnup (dBm)	MPR (dB)			
Channel				20050	20175	20300					Channel				20050	20175	20300					Channel				20050	20175	20300					Channel				20050	20175	20300					
Frequency (MHz)	1	3		1725	1725.5	1745					Frequency (MHz)	1	3		1725	1725.5	1745					Frequency (MHz)	1	3		1725	1725.5	1745					Frequency (MHz)	1	3		1725	1725.5	1745					
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05	24.22	24.40					20	QPSK	1	3	14.05	14.22	14.40						20	QPSK	1	3	14.05	14.22	14.40					20	QPSK	1	3	14.05	14.22	14.40				
20	QPSK	1	3	24.05</																																								



Band 5_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int. (dB))	MFR (dB)		
Channel										
Frequency (MHz)				2500	2500	2500				
				320	338.5	344				
10	QPSK	1	0	23.12	24.10	24.01	25	0		
10	QPSK	1	25	23.98	24.10	24.01				
10	QPSK	1	49	24.07	23.99	24.07				
10	QPSK	25	0	23.55	23.60	23.52				
10	QPSK	25	12	23.52	23.49	23.48	24.5	0.5		
10	QPSK	25	25	23.53	23.52	23.38				
10	QPSK	50	0	23.51	23.53	23.51				
10	QPSK	1	0	23.65	23.79	23.86				
10	QPSK	1	25	23.65	23.77	23.66	24.5	0.5		
10	QPSK	1	49	23.80	23.88	23.75				
10	QPSK	25	0	23.63	22.98	23.65				
10	QPSK	25	12	23.63	23.63	23.61	24	1		
10	QPSK	25	25	22.90	23.63	23.61				
10	QPSK	50	0	23.60	23.68	23.65				
10	QPSK	1	0	22.95	22.43	22.53				
10	QPSK	1	25	22.98	22.94	22.51	24	1		
10	QPSK	1	49	22.65	22.65	22.49				
10	QPSK	25	0	21.94	21.97	22.00				
10	QPSK	25	12	22.00	21.97	22.00	23	2		
10	QPSK	25	25	21.96	21.98	21.84				
10	QPSK	50	0	21.99	22.01	21.90				
10	SSBQAM	1	0	18.62	18.66	18.54				
10	SSBQAM	1	25	18.62	18.63	18.52	20	5		
10	SSBQAM	1	49	18.58	18.57	18.48				
10	SSBQAM	25	0	18.44	18.59	18.55				
10	SSBQAM	25	12	18.44	18.59	18.42	20	5		
10	SSBQAM	25	25	18.47	18.57	18.44				
10	SSBQAM	50	0	18.52	18.62	18.50				
Channel										
Frequency (MHz)				2500	2500	2500	Timeuse (int. (dB))	MFR (dB)		
				320	338.5	344				
5	QPSK	1	0	23.97	24.08	23.93				
5	QPSK	1	12	24.08	24.14	23.98	25	0		
5	QPSK	1	24	23.97	24.07	23.98				
5	QPSK	12	0	23.42	23.51	23.48				
5	QPSK	12	7	23.42	23.41	23.40	24.5	0.5		
5	QPSK	12	24	23.42	23.42	23.35				
5	QPSK	25	0	23.50	23.52	23.42				
5	QPSK	1	0	23.72	23.70	23.73				
5	QPSK	1	24	23.62	23.71	23.65	24.5	0.5		
5	QPSK	1	24	23.67	23.58	23.74				
5	QPSK	12	0	22.75	22.92	23.02				
5	QPSK	12	7	22.92	22.95	22.90	24	1		
5	QPSK	12	13	22.79	22.94	22.80				
5	QPSK	25	0	22.62	22.65	22.63				
5	QPSK	1	0	22.34	22.34	22.38				
5	QPSK	1	12	22.27	22.29	22.40	24	1		
5	QPSK	1	24	22.54	22.64	22.49				
5	QPSK	12	0	21.59	21.69	21.85				
5	QPSK	12	7	21.57	21.66	21.54	23	2		
5	QPSK	12	13	21.94	21.96	21.76				
5	QPSK	25	0	21.85	21.85	21.87				
5	SSBQAM	1	0	18.48	18.54	18.43				
5	SSBQAM	1	12	18.54	18.60	18.46	20	5		
5	SSBQAM	1	24	18.44	18.51	18.36				
5	SSBQAM	12	0	18.30	18.55	18.46				
5	SSBQAM	12	7	18.30	18.55	18.35	20	5		
5	SSBQAM	12	13	18.43	18.42	18.35				
5	SSBQAM	25	0	18.48	18.52	18.48				
Channel										
Frequency (MHz)				2500	2500	2500	Timeuse (int. (dB))	MFR (dB)		
				320	338.5	344				
3	QPSK	1	0	23.95	24.05	23.96				
3	QPSK	1	8	23.98	24.01	24.01	25	0		
3	QPSK	1	14	23.95	24.05	23.95				
3	QPSK	8	0	23.43	23.45	23.51				
3	QPSK	8	4	23.48	23.47	23.40	24.5	0.5		
3	QPSK	8	14	23.41	23.41	23.35				
3	QPSK	16	0	23.41	23.35	23.41				
3	QPSK	1	0	23.64	23.74	23.78				
3	QPSK	1	8	23.68	23.67	23.61	24.5	0.5		
3	QPSK	1	14	23.78	23.56	23.74				
3	QPSK	8	0	22.85	22.83	23.04				
3	QPSK	8	4	22.87	22.98	22.96	24	1		
3	QPSK	8	7	22.79	22.89	22.85				
3	QPSK	15	0	22.96	22.96	22.82				
3	QPSK	1	0	22.45	22.34	22.47				
3	QPSK	1	8	22.58	22.62	22.50	24	1		
3	QPSK	1	14	22.57	22.60	22.38				
3	QPSK	8	0	21.75	21.85	21.88				
3	QPSK	8	4	21.80	21.86	21.94	23	2		
3	QPSK	15	0	21.85	21.87	21.75				
3	QPSK	1	0	21.96	21.91	21.76				
3	SSBQAM	1	0	18.40	18.63	18.49				
3	SSBQAM	1	8	18.55	18.58	18.42	20	5		
3	SSBQAM	1	14	18.54	18.56	18.44				
3	SSBQAM	8	0	18.41	18.47	18.52				
3	SSBQAM	8	4	18.40	18.43	18.37	20	5		
3	SSBQAM	8	7	18.39	18.47	18.40				
3	SSBQAM	15	0	18.41	18.47	18.47				
Channel										
Frequency (MHz)				2500	2500	2500	Timeuse (int. (dB))	MFR (dB)		
				320	338.5	344				
1.4	QPSK	1	0	23.95	23.97	23.91				
1.4	QPSK	1	3	24.00	24.11	24.05	25	0		
1.4	QPSK	1	6	23.93	23.98	23.90				
1.4	QPSK	3	0	23.90	24.09	24.00				
1.4	QPSK	3	1	24.08	24.08	24.00	24.5	0.5		
1.4	QPSK	3	3	23.98	23.94	23.83				
1.4	QPSK	6	0	23.47	23.43	23.44	24.5	0.5		
1.4	QPSK	1	0	23.70	23.75	23.76				
1.4	QPSK	1	3	23.41	23.75	23.63				
1.4	QPSK	1	6	23.77	23.63	23.66	24.5	0.5		
1.4	QPSK	1	0	23.81	23.75	23.72				
1.4	QPSK	1	3	23.81	23.83	23.63				
1.4	QPSK	3	0	23.69	23.83	23.66				
1.4	QPSK	6	0	22.67	22.62	22.60	24	1		
1.4	QPSK	1	0	22.86	22.38	22.45				
1.4	QPSK	1	3	22.63	22.58	22.44				
1.4	QPSK	1	6	22.55	22.61	22.48	24	1		
1.4	QPSK	3	0	22.52	22.28	22.49				
1.4	QPSK	3	1	22.54	22.49	22.41				
1.4	QPSK	1	0	22.50	22.63	22.44	23	2		
1.4	QPSK	1	3	21.96	21.93	21.85				
1.4	SSBQAM	1	0	18.54	18.54	18.45				
1.4	SSBQAM	1	3	18.56	18.56	18.36	20	5		
1.4	SSBQAM	1	6	18.50	18.48	18.33				
1.4	SSBQAM	3	0	18.39	18.56	18.50				
1.4	SSBQAM	3	1	18.39	18.56	18.26	20	5		
1.4	SSBQAM	6	0	18.46	18.58	18.49	20	5		

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch 1 / Freq	Power Ch 2 / Freq	Power Ch 3 / Freq	Turn-up int. (dBm)	MFR (dB)		
Channel										
Frequency (MHz)				2500	2500	2500				
				320	338.5	344				
10	QPSK	1	0	18.42	18.39	18.40				
10	QPSK	1	25	18.45	18.38	18.40	19.5	0		
10	QPSK	1	49	18.41	18.49	18.35				
10	QPSK	25	0	18.40	18.48	18.43				
10	QPSK	25	12	18.39	18.41	18.40	19.5	0		
10	QPSK	25	25	18.39	18.46	18.42				
10	QPSK	50	0	18.31	18.45	18.40				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.34	18.41	18.33	19.5	0		
10	QPSK	1	49	18.30	18.46	18.33				
10	QPSK	25	0	18.38	18.41	18.42				
10	QPSK	25	12	18.30	18.39	18.45				
10	QPSK	25	25	18.39	18.49	18.36	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39	18.41	18.43				
10	QPSK	25	25	18.32	18.38	18.44	19.5	0		
10	QPSK	50	0	18.39	18.37	18.36				
10	QPSK	1	0	18.38	18.35	18.30				
10	QPSK	1	25	18.31	18.32	18.29	19.5	0		
10	QPSK	1	49	18.31	18.35	18.34				
10	QPSK	25	0	18.40	18.37	18.35				
10	QPSK	25	12	18.39						

Band 7_Ant 11									
BW (MHz)	Modulation	RE Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Timeup int. (dB)	MRR (dB)	
Channel									
Frequency (MHz)				2050	2150	2550			
20	QPSK	1	0	15.55	15.55	15.52			
20	QPSK	1	45	15.74	15.53	15.81	16.4	0	
20	QPSK	1	90	15.74	15.52	15.74			
20	QPSK	50	0	15.55	15.52	15.52			
20	QPSK	50	24	15.77	15.55	15.75	16.4	0	
20	QPSK	50	50	15.81	15.55	15.73			
20	QPSK	100	0	15.73	15.57	15.69			
20	HQAM	1	0	15.51	15.50	15.68	16.4	0	
20	HQAM	1	45	15.70	15.52	15.68			
20	HQAM	1	90	15.75	15.55	15.77			
20	HQAM	50	0	15.75	15.50	15.75			
20	HQAM	50	24	15.75	15.50	15.75	16.4	0	
20	HQAM	50	50	15.77	15.54	15.71			
20	HQAM	100	0	15.77	15.53	15.78			
20	HQAM	1	0	15.55	15.52	15.71			
20	HQAM	1	45	15.50	15.51	15.71	16.4	0	
20	HQAM	1	90	15.54	15.50	15.78			
20	HQAM	50	0	15.57	15.51	15.75			
20	HQAM	50	24	15.75	15.54	15.81	16.4	0	
20	HQAM	50	50	15.54	15.52	15.72			
20	HQAM	50	0	15.52	15.55	15.72			
20	SSBDM	1	0	15.51	15.52	15.57			
20	SSBDM	1	45	15.51	15.52	15.59	16.4	0	
20	SSBDM	1	90	15.51	15.50	15.75			
20	SSBDM	50	0	15.75	15.49	15.77			
20	SSBDM	50	24	15.75	15.49	15.74	16.4	0	
20	SSBDM	50	50	15.73	15.55	15.72			
20	SSBDM	100	0	15.51	15.51	15.75			
Channel									
Frequency (MHz)				2050.5	2150	2157.5	10000 int. (dB)	MRR (dB)	
15	QPSK	1	0	15.51	15.52	15.81			
15	QPSK	1	37	15.72	15.75	15.71	16.4	0	
15	QPSK	1	74	15.45	15.51	15.48			
15	QPSK	36	0	15.50	15.75	15.70			
15	QPSK	36	20	15.59	15.75	15.53	16.4	0	
15	QPSK	36	39	15.72	15.77	15.67			
15	QPSK	75	0	15.51	15.75	15.57			
15	HQAM	1	0	15.73	15.75	15.65	16.4	0	
15	HQAM	1	37	15.45	15.75	15.53			
15	HQAM	1	74	15.74	15.58	15.54			
15	HQAM	36	0	15.55	15.70	15.71	16.4	0	
15	HQAM	36	20	15.55	15.73	15.73			
15	HQAM	36	39	15.72	15.57	15.55			
15	HQAM	75	0	15.73	15.59	15.58			
15	HQAM	1	0	15.71	15.50	15.70			
15	HQAM	1	37	15.70	15.53	15.55	16.4	0	
15	HQAM	1	74	15.55	15.75	15.55			
15	HQAM	36	0	15.77	15.77	15.51			
15	HQAM	36	20	15.71	15.70	15.75	16.4	0	
15	HQAM	36	39	15.75	15.52	15.59			
15	HQAM	75	0	15.73	15.74	15.55			
15	SSBDM	1	0	15.75	15.51	15.55	16.4	0	
15	SSBDM	1	37	15.71	15.57	15.53			
15	SSBDM	1	74	15.51	15.77	15.73			
15	SSBDM	36	0	15.71	15.74	15.54			
15	SSBDM	36	20	15.72	15.55	15.52	16.4	0	
15	SSBDM	36	39	15.55	15.75	15.51			
15	SSBDM	75	0	15.77	15.53	15.53			
Channel									
Frequency (MHz)				2050.5	2150	2140	10000 int. (dB)	MRR (dB)	
10	QPSK	1	0	15.75	15.54	15.77			
10	QPSK	1	25	15.51	15.55	15.71	16.4	0	
10	QPSK	48	0	15.51	15.52	15.67			
10	QPSK	25	0	15.72	15.59	15.75			
10	QPSK	25	12	15.74	15.57	15.72	16.4	0	
10	QPSK	25	24	15.72	15.73	15.65			
10	QPSK	50	0	15.59	15.75	15.51			
10	HQAM	1	0	15.57	15.55	15.52	16.4	0	
10	HQAM	1	25	15.55	15.53	15.55			
10	HQAM	1	48	15.54	15.75	15.75			
10	HQAM	25	0	15.55	15.77	15.71			
10	HQAM	25	12	15.51	15.75	15.75	16.4	0	
10	HQAM	25	25	15.52	15.53	15.57			
10	HQAM	50	0	15.71	15.70	15.73			
10	HQAM	1	0	15.71	15.50	15.50			
10	HQAM	1	25	15.73	15.59	15.57	16.4	0	
10	HQAM	1	48	15.73	15.75	15.55			
10	HQAM	25	0	15.52	15.75	15.55			
10	HQAM	25	12	15.74	15.73	15.72	16.4	0	
10	HQAM	25	25	15.75	15.54	15.70			
10	HQAM	50	0	15.75	15.71	15.59			
10	SSBDM	1	0	15.59	15.59	15.55	16.4	0	
10	SSBDM	1	25	15.71	15.52	15.55			
10	SSBDM	1	48	15.55	15.77	15.74			
10	SSBDM	25	0	15.71	15.73	15.74			
10	SSBDM	25	12	15.54	15.55	15.73	16.4	0	
10	SSBDM	25	25	15.72	15.55	15.55			
10	SSBDM	50	0	15.72	15.55	15.70			
Channel									
Frequency (MHz)				2077.5	2150	2142.5	10000 int. (dB)	MRR (dB)	
5	QPSK	1	0	15.50	15.52	15.77			
5	QPSK	1	12	15.70	15.54	15.59	16.4	0	
5	QPSK	1	24	15.51	15.55	15.55			
5	QPSK	12	0	15.73	15.55	15.59			
5	QPSK	12	7	15.55	15.77	15.71	16.4	0	
5	QPSK	12	13	15.55	15.54	15.53			
5	QPSK	25	0	15.72	15.72	15.53			
5	HQAM	1	0	15.74	15.70	15.58	16.4	0	
5	HQAM	1	12	15.70	15.55	15.44			
5	HQAM	1	24	15.57	15.77	15.71			
5	HQAM	12	0	15.71	15.55	15.55			
5	HQAM	12	7	15.54	15.55	15.49	16.4	0	
5	HQAM	12	13	15.70	15.75	15.57			
5	HQAM	25	0	15.57	15.74	15.59			
5	HQAM	1	0	15.53	15.54	15.53			
5	HQAM	1	12	15.59	15.57	15.55	16.4	0	
5	HQAM	1	24	15.55	15.74	15.54			
5	HQAM	12	0	15.75	15.74	15.71			
5	HQAM	12	7	15.72	15.75	15.74	16.4	0	
5	HQAM	12	13	15.77	15.50	15.57			
5	HQAM	25	0	15.75	15.72	15.57			
5	SSBDM	1	0	15.75	15.52	15.55	16.4	0	
5	SSBDM	1	12	15.55	15.75	15.55			
5	SSBDM	1	24	15.74	15.51	15.50			
5	SSBDM	12	0	15.57	15.59	15.72			
5	SSBDM	12	7	15.75	15.50	15.71	16.4	0	
5	SSBDM	12	13	15.55	15.50	15.59			
5	SSBDM	25	0	15.75	15.50	15.74			

Band 7_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (MHz)	Power Mids Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Time-up int. (dBm)	MRR (dB)	
Channel									
Frequency (MHz)				20500	21100	21550			
20	QPSK	1	0	14.55	14.55	14.58			
20	QPSK	1	45	13.54	14.35	14.58	15.5	0	
20	QPSK	1	90	13.55	14.30	14.54			
20	QPSK	50	0	14.55	14.55	14.55			
20	QPSK	50	24	13.55	14.35	14.55	15.5	0	
20	QPSK	50	50	13.55	14.31	14.53			
20	HQAM	1	0	13.57	14.25	14.55	15.5	0	
20	HQAM	1	45	13.55	14.30	14.55			
20	HQAM	1	90	13.57	14.34	14.53			
20	HQAM	50	0	13.55	14.30	14.57			
20	HQAM	50	24	13.55	14.25	14.53	15.5	0	
20	HQAM	50	50	13.51	14.32	14.53			
20	HQAM	100	0	13.51	14.25	14.53			
20	SSBDM	1	0	13.55	14.25	14.52	15.5	0	
20	SSBDM	1	45	13.55	14.35	14.52			
20	SSBDM	50	0	13.57	14.25	14.55	15.5	0	
20	SSBDM	50	24	13.54	14.25	14.55			
20	SSBDM	50	50	13.51	14.25	14.55	15.5	0	
20	SSBDM	100	0	13.51	14.25	14.53			
Channel									
Frequency (MHz)				20502 <th>21100<th>2142.5</th><th>Time-up int. (dBm)</th><th>MRR (dB)</th><th></th></th>	21100 <th>2142.5</th> <th>Time-up int. (dBm)</th> <th>MRR (dB)</th> <th></th>	2142.5	Time-up int. (dBm)	MRR (dB)	
15	QPSK	1	0	13.55	14.35	14.50			
15	QPSK	1	37	13.75	14.35	14.50	15.5	0	
15	QPSK	1	74	13.88	14.18	14.42			
15	QPSK	50	0	13.55	14.35	14.50			
15	QPSK	50	24	13.55	14.30	14.52	15.5	0	
15	QPSK	50	50	13.55	14.27	14.48			
15	QPSK	75	0	13.55	14.25	14.45	15.5	0	
15	HQAM	1	0	13.57	14.17	14.44			
15	HQAM	1	37	13.55	14.21	14.58			
15	HQAM	1	74	13.71	14.21	14.42			
15	HQAM	36	0	13.57	14.15	14.53			
15	HQAM	36	20	13.51	14.32	14.48	15.5	0	
15	HQAM	36	39	13.52	14.28	14.42			
15	SSBDM	1	0	13.55	14.25	14.52			
15	SSBDM	1	37	13.55	14.30	14.51	15.5	0	
15	SSBDM	1	74	13.55	14.27	14.54			
15	SSBDM	36	0	13.51	14.34	14.52			
15	SSBDM	36	20	13.51	14.32	14.48	15.5	0	
15	SSBDM	36	39	13.52	14.28	14.42			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			
15	SSBDM	75	0	13.55	14.25	14.52			

Band 12_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Timeuse (int (dB))	MFR (dB)				
Channel												
Frequency (MHz)												
7560												
10	QPSK	1	0	22.85	22.88	22.91	23.8	0				
10	QPSK	1	25	22.73	22.80	22.87						
10	QPSK	1	49	22.73	22.80	22.78						
10	QPSK	25	0	22.25	22.33	22.38						
10	QPSK	25	12	22.25	22.17	22.16						
10	QPSK	25	25	22.32	22.35	22.25	23.3	0.5				
10	QPSK	50	0	22.27	22.30	22.23						
10	HQAM	1	0	22.61	22.63	22.54						
10	HQAM	1	25	22.48	22.45	22.58						
10	HQAM	1	49	22.79	22.81	22.96						
10	HQAM	25	0	21.67	21.64	21.68	22.8	1				
10	HQAM	25	12	21.72	21.69	21.70						
10	HQAM	25	25	21.79	21.80	21.74						
10	HQAM	50	0	21.77	21.84	21.79						
10	HQAM	50	0	21.59	21.58	21.58						
10	HQAM	1	25	21.50	21.52	21.51	22.8	1				
10	HQAM	1	49	21.35	21.33	21.47						
10	HQAM	25	0	20.70	20.64	20.65						
10	HQAM	25	12	20.74	20.70	20.68						
10	HQAM	25	25	20.74	20.70	20.68		21.8	2			
10	HQAM	50	0	20.71	20.66	20.72						
10	SSBQAM	1	0	17.67	17.78	17.71						
10	SSBQAM	1	25	17.66	17.65	17.69						
10	SSBQAM	1	49	17.65	17.68	17.68						
10	SSBQAM	25	0	17.68	17.74	17.59	18.8	5				
10	SSBQAM	25	12	17.68	17.74	17.59						
10	SSBQAM	25	25	17.62	17.74	17.64						
10	SSBQAM	50	0	17.71	17.72	17.69						
Channel												
Frequency (MHz)												
751.5												
5	QPSK	1	0	22.85	22.79	22.86	23.8	0				
5	QPSK	1	12	22.73	22.84	22.73						
5	QPSK	1	24	22.73	22.84	22.76						
5	QPSK	12	0	22.18	22.27	22.18						
5	QPSK	12	7	22.15	22.15	22.09						
5	QPSK	12	13	22.12	22.12	22.15	23.3	0.5				
5	QPSK	25	0	22.17	22.25	22.08						
5	HQAM	1	0	22.54	22.49	22.41						
5	HQAM	1	12	22.47	22.28	22.53						
5	HQAM	1	24	22.62	22.58	22.44						
5	HQAM	12	0	21.60	21.50	21.67	22.8	1				
5	HQAM	12	7	21.60	21.50	21.68						
5	HQAM	12	13	21.60	21.56	21.67						
5	HQAM	25	0	21.68	21.54	21.69						
5	HQAM	25	13	21.62	21.43	21.53						
5	HQAM	1	12	21.47	21.42	21.43	22.8	1				
5	HQAM	1	24	21.44	21.27	21.46						
5	HQAM	12	0	20.85	20.82	20.84						
5	HQAM	12	7	20.85	20.49	20.57						
5	HQAM	12	13	20.86	20.85	20.58		21.8	2			
5	HQAM	25	0	20.85	20.59	20.85						
5	SSBQAM	1	0	17.59	17.71	17.61						
5	SSBQAM	1	12	17.56	17.65	17.58						
5	SSBQAM	1	24	17.57	17.65	17.44						
5	SSBQAM	12	0	17.63	17.65	17.44	18.8	5				
5	SSBQAM	12	7	17.60	17.65	17.45						
5	SSBQAM	12	13	17.61	17.62	17.55						
5	SSBQAM	25	0	17.57	17.70	17.64						
Channel												
Frequency (MHz)												
750.5												
3	QPSK	1	0	22.85	22.87	22.98	23.8	0				
3	QPSK	1	8	22.72	22.86	22.83						
3	QPSK	1	14	22.73	22.75	22.76						
3	QPSK	8	0	22.32	22.32	22.13						
3	QPSK	8	4	22.21	22.11	22.11						
3	QPSK	14	0	22.12	22.14	22.17	23.3	0.5				
3	QPSK	15	0	22.13	22.16	22.15						
3	HQAM	1	0	22.48	22.43	22.39						
3	HQAM	1	8	22.48	22.28	22.46						
3	HQAM	1	14	22.59	22.48	22.41						
3	HQAM	8	0	21.54	21.53	21.61	22.8	1				
3	HQAM	8	4	21.68	21.55	21.62						
3	HQAM	8	7	21.69	21.47	21.70						
3	HQAM	15	0	21.68	21.63	21.67						
3	HQAM	15	0	21.43	21.52	21.55						
3	HQAM	1	8	21.45	21.41	21.37	22.8	1				
3	HQAM	1	14	21.25	21.19	21.33						
3	HQAM	8	0	20.59	20.55	20.57						
3	HQAM	8	4	20.70	20.50	20.59						
3	HQAM	15	0	20.66	20.62	20.57		21.8	2			
3	SSBQAM	1	0	17.63	17.69	17.64						
3	SSBQAM	1	8	17.66	17.68	17.46						
3	SSBQAM	1	14	17.54	17.60	17.48						
3	SSBQAM	8	0	17.67	17.69	17.52						
3	SSBQAM	8	4	17.60	17.67	17.45	18.8	5				
3	SSBQAM	8	7	17.52	17.73	17.53						
3	SSBQAM	15	0	17.68	17.67	17.58						
Channel												
Frequency (MHz)												
699.7												
1.4	QPSK	1	0	22.85	22.71	22.54	23.8	0				
1.4	QPSK	1	3	22.72	22.75	22.82						
1.4	QPSK	1	5	22.72	22.74	22.70						
1.4	QPSK	3	0	22.71	22.85	22.55						
1.4	QPSK	3	1	22.74	22.74	22.78						
1.4	QPSK	3	3	22.73	22.73	22.86	23.3	0.5				
1.4	QPSK	6	0	22.34	22.17	22.22						
1.4	HQAM	1	0	22.50	22.41	22.44						
1.4	HQAM	1	3	22.41	22.38	22.56						
1.4	HQAM	1	5	22.69	22.61	22.49						
1.4	HQAM	1	0	22.49	22.40	22.42	23.3	0.5				
1.4	HQAM	1	3	22.38	22.39	22.56						
1.4	HQAM	3	3	22.71	22.62	22.43						
1.4	HQAM	6	0	21.66	21.59	21.72						
1.4	HQAM	6	0	21.40	21.46	21.46		22.8	1			
1.4	HQAM	1	3	21.49	21.39	21.46						
1.4	HQAM	1	5	21.34	21.29	21.33						
1.4	HQAM	3	3	21.41	21.48	21.43						
1.4	HQAM	3	1	21.49	21.48	21.47						
1.4	HQAM	6	0	21.27	21.21	21.41	21.8	2				
1.4	HQAM	6	0	20.87	20.53	20.58						
1.4	SSBQAM	1	0	17.73	17.74	17.63	18.8	5				
1.4	SSBQAM	1	3	17.58	17.64	17.48						
1.4	SSBQAM	1	5	17.64	17.63	17.47						
1.4	SSBQAM	1	3	17.72	17.64	17.49						
1.4	SSBQAM	3	1	17.44	17.48	17.45	18.8	5				
1.4	SSBQAM	3	3	17.69	17.71	17.56						
1.4	SSBQAM	3	5	17.63	17.63	17.56						

Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-use (int./sec)	MFR (dB)		
Channel										
Frequency (MHz)				22780	23560	23960				
				756	756	756				
10	QPSK	1	0	22.55	22.56	22.51				
10	QPSK	1	25	22.68	22.64	22.82	23.8	0		
10	QPSK	1	49	22.85	22.91	22.82				
10	QPSK	25	0	22.58	22.42	22.46				
10	QPSK	25	12	22.59	22.40	22.37	23.3	0.5		
10	QPSK	25	25	22.57	22.34	22.38				
10	QPSK	50	0	22.34	22.40	22.38				
10	SSBQAM	1	0	22.61	22.65	22.72				
10	SSBQAM	1	25	22.52	22.57	22.70	23.3	0.5		
10	SSBQAM	1	49	22.58	22.76	22.65				
10	SSBQAM	25	0	21.83	21.73	21.85				
10	SSBQAM	25	12	21.84	21.62	21.85				
10	SSBQAM	25	25	21.79	21.88	21.87	22.8	1		
10	SSBQAM	50	0	21.82	21.79	21.89				
10	SSBQAM	1	0	21.82	21.89	21.84				
10	SSBQAM	1	25	21.54	21.50	21.50	22.8	1		
10	SSBQAM	1	49	21.73	21.66	21.70				
10	SSBQAM	25	0	20.85	20.77	20.83				
10	SSBQAM	25	12	20.80	20.88	20.89	21.8	2		
10	SSBQAM	25	25	20.87	20.84	20.86				
10	SSBQAM	50	0	20.82	20.81	20.86				
10	SSBQAM	24	0	17.72	17.66	17.81				
10	SSBQAM	24	25	17.72	17.76	17.81	18.8	5		
10	SSBQAM	24	49	17.72	17.76	17.81				
10	SSBQAM	25	0	17.68	17.72	17.86				
10	SSBQAM	25	12	17.67	17.74	17.79	18.8	5		
10	SSBQAM	25	25	17.68	17.74	17.70				
Channel										
Frequency (MHz)				22780	23560	23960	Time-use (int./sec)	MFR (dB)		
				756	756	756				
5	QPSK	1	0	22.77	22.71	22.77				
5	QPSK	1	25	22.88	22.83	22.87	23.8	0		
5	QPSK	1	24	22.73	22.67	22.81				
5	QPSK	12	0	22.28	22.26	22.28				
5	QPSK	12	6	22.37	22.35	22.37				
5	QPSK	12	18	22.35	22.32	22.34				
5	QPSK	12	30	22.44	22.37	22.35				
5	SSBQAM	25	0	22.58	22.52	22.58				
5	SSBQAM	1	12	22.39	22.48	22.57	23.8	0.5		
5	SSBQAM	1	24	22.49	22.59	22.69				
5	SSBQAM	12	12	21.72	21.76	21.78				
5	SSBQAM	12	7	21.70	21.74	21.80				
5	SSBQAM	12	19	21.75	21.78	21.83	22.8	1		
5	SSBQAM	25	0	21.76	21.73	21.78				
5	SSBQAM	1	0	21.49	21.53	21.59				
5	SSBQAM	1	24	21.46	21.48	21.51	22.8	1		
5	SSBQAM	1	24	21.68	21.62	21.64				
5	SSBQAM	12	0	20.77	20.62	20.82				
5	SSBQAM	12	6	20.88	20.80	20.79	21.8	2		
5	SSBQAM	12	18	20.89	20.80	20.85				
5	SSBQAM	25	0	20.89	20.78	20.86				
5	SSBQAM	25	12	20.71	20.77	20.87				
5	SSBQAM	1	12	17.63	17.67	17.77	18.8	5		
5	SSBQAM	1	24	17.59	17.67	17.68				
5	SSBQAM	12	6	17.73	17.76	17.77	19.8	5		
5	SSBQAM	12	7	17.44	17.61	17.54	18.8	5		
5	SSBQAM	12	18	17.66	17.62	17.68				

Band 17_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Turn-up int. (dBm)	MFR (dB)		
Channel										
Frequency (MHz)				23780	23780	23880				
				705	710	711				
5	QPSK	1	0	19.32	19.30	19.27				
5	QPSK	1	25	19.14	19.27	19.16	20.3	0		
5	QPSK	1	49	19.13	19.15	19.17				
5	QPSK	25	0	19.17	19.27	19.26				
5	QPSK	25	12	19.13	19.21	19.15	20.3	0		
5	QPSK	25	25	19.08	19.22	19.22				
5	QPSK	50	0	19.16	19.24	19.16				
5	SSBQAM	1	0	19.17	19.26	19.21	20.3	0		
5	SSBQAM	1	25	19.08	19.21	19.25				
5	SSBQAM	1	49	19.19	19.25	19.14				
5	SSBQAM	25	0	19.14	19.25	19.21	20.3	0		
5	SSBQAM	25	12	19.10	19.15	19.12				
5	SSBQAM	25	25	19.08	19.17	19.25				
5	SSBQAM	50	0	19.08	19.16	19.25				
5	SSBQAM	1	0	19.17	19.25	19.24				
5	SSBQAM	1	25	19.10	19.26	19.17	20.3	0		
5	SSBQAM	1	49	19.15	19.18	19.20				
5	SSBQAM	25	0	19.10	19.19	19.14				
5	SSBQAM	25	12	19.10	19.19	19.23	20.3	0		
5	SSBQAM	25	25	19.12	19.17	19.29				
5	SSBQAM	50	0	19.15	19.19	19.22				
5	SSBQAM	1	0	17.37	17.38	17.24				
5	SSBQAM	1	25	17.36	17.25	17.15	18.3	2		
5	SSBQAM	25	0	17.36	17.24	17.31				
5	SSBQAM	25	12	17.32	17.28	17.27				
5	SSBQAM	25	25	17.19	17.24	17.20	18.3	2		
5	SSBQAM	50	0	17.20	17.34	17.26				
Channel										
Frequency (MHz)				23675 <th>23780</th> <th>23885<th>Turn-up int. (dBm)</th><th>MFR (dB)</th><th colspan="2"></th></th>	23780	23885 <th>Turn-up int. (dBm)</th> <th>MFR (dB)</th> <th colspan="2"></th>	Turn-up int. (dBm)	MFR (dB)		
				706.5	710	713.5				
5	QPSK	1	0	19.38	19.31	19.23				
5	QPSK	1	25	19.24	19.21	19.07	20.3	0		
5	QPSK	1	49	19.12	19.02	19.10				
5	QPSK	12	13	19.10	19.10	19.10				
5	QPSK	12	7	19.00	19.00	19.00				
5	QPSK	12	19	18.99	19.01	19.13				
5	QPSK	25	0	19.02	19.15	19.15				
5	QPSK	1	0	19.02	19.15	19.15				
5	QPSK	1	12	18.94	19.14	19.14	20.3	0		
5	SSBQAM	1	0	19.02	19.15	19.15				
5	SSBQAM	1	12	18.93	19.15	19.15				
5	SSBQAM	12	7	18.99	19.11	19.06				
5	SSBQAM	12	13	18.99	19.13	19.06				
5	SSBQAM	25	0	18.99	19.02	19.13				
5	SSBQAM	1	0	19.07	19.21	19.22				
5	SSBQAM	1	12	18.96	19.17	19.14				
5	SSBQAM	1	24	19.01	19.13	19.09				
5	SSBQAM	12	0	19.02	19.04	19.02				
5	SSBQAM	12	7	19.02	19.04	19.02				
5	SSBQAM	12	13	19.02	19.06	19.12	20.3	0		
5	SSBQAM	25	0	19.02	19.08	19.13				
5	SSBQAM	25	12	19.02	19.07	19.24				
5	SSBQAM	25	12	17.32	17.31	17.05	18.3	2		
5	SSBQAM	1	24	17.06	17.17	17.17				
5	SSBQAM	12	0	17.06	17.17	17.17				
5	SSBQAM	12	7	17.30	17.22	17.17	18.3	2		
5	SSBQAM	12	13	17.17	17.31	17.16				

Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Timeuse (int./sec)	MFR (dB)		
Channel										
Frequency (MHz)				24110	24110	24110				
15	QPSK	1	0	24.17	24.20	24.10				
15	QPSK	1	37	24.10	24.06	24.09	25	0		
15	QPSK	1	74	24.07	24.02	24.03				
15	QPSK	36	0	23.85	23.87	23.82				
15	QPSK	36	20	23.60	23.57	23.56	24.5	0.5		
15	QPSK	36	39	23.67	23.62	23.64				
15	QPSK	75	0	23.55	23.61	23.55				
15	QPSK	1	0	23.62	23.59	23.65				
15	QPSK	1	37	23.61	23.67	23.60	24.5	0.5		
15	QPSK	1	74	23.66	23.62	23.61				
15	QPSK	36	0	23.16	23.01	23.06				
15	QPSK	36	20	23.15	23.05	23.15	24	1		
15	QPSK	36	39	23.10	23.01	23.01				
15	QPSK	75	0	23.12	23.07	23.09				
15	QPSK	1	0	22.75	22.99	22.85				
15	QPSK	1	37	22.90	22.95	22.92	24	1		
15	QPSK	1	74	22.75	22.89	22.88				
15	QPSK	36	0	22.97	23.04	23.00				
15	QPSK	36	20	22.99	22.95	23.01	23			
15	QPSK	36	39	22.77	22.94	22.94				
15	QPSK	75	0	22.97	23.04	23.00				
15	SSBQAM	1	0	19.90	19.98	19.95				
15	SSBQAM	1	37	19.82	19.85	19.88				
15	SSBQAM	1	74	19.86	19.83	19.87				
15	SSBQAM	36	0	19.91	19.98	19.95				
15	SSBQAM	36	20	19.89	19.89	19.91	20	5		
15	SSBQAM	36	39	19.85	19.84	19.90				
15	SSBQAM	75	0	19.82	19.88	19.87				
Channel										
Frequency (MHz)				24110	24110	24110				
15	QPSK	1	0	24.00	24.00	24.00				
15	QPSK	1	25	24.00	24.02	23.99	25	0		
15	QPSK	1	40	24.00	23.92	24.05				
15	QPSK	36	0	23.60	23.58	23.62				
15	QPSK	36	20	23.45	23.44	23.46	24.5	0.5		
15	QPSK	36	39	23.45	23.46	23.41				
15	QPSK	75	0	23.45	23.46	23.41				
15	QPSK	1	0	23.63	23.57	23.69				
15	QPSK	1	25	23.61	23.61	23.52	24.5	0.5		
15	QPSK	1	40	23.61	23.58	23.64				
15	QPSK	36	0	23.04	23.07	23.07				
15	QPSK	36	20	22.99	22.85	22.96	24	1		
15	QPSK	36	39	22.99	22.95	23.01				
15	QPSK	75	0	22.95	22.87	23.01				
15	QPSK	1	0	22.98	22.85	23.04				
15	QPSK	1	25	22.98	22.97	22.97	24	1		
15	QPSK	1	40	22.95	22.75	22.74				
15	QPSK	36	0	22.01	21.94	21.99				
15	QPSK	36	20	21.98	21.93	21.99	23	2		
15	QPSK	36	39	21.98	21.91	21.99				
15	QPSK	75	0	21.98	21.81	21.93				
15	SSBQAM	1	0	18.77	18.80	18.77				
15	SSBQAM	1	25	18.72	18.81	18.77	20	5		
15	SSBQAM	1	40	18.72	18.82	18.74				
15	SSBQAM	36	0	18.77	18.82	18.77				
15	SSBQAM	36	20	18.81	18.82	18.86	20	5		
15	SSBQAM	36	39	18.78	18.80	18.84				
15	SSBQAM	75	0	18.78	18.82	18.84				
Channel										
Frequency (MHz)				24110	24110	24110				
15	QPSK	1	0	24.04	24.06	24.01				
15	QPSK	1	12	24.07	24.04	24.03	25	0		
15	QPSK	1	24	24.07	24.03	24.09				
15	QPSK	12	0	23.69	23.58	23.48				
15	QPSK	12	7	23.64	23.42	23.47	24.5	0.5		
15	QPSK	12	13	23.60	23.44	23.47				
15	QPSK	36	0	23.49	23.51	23.49				
15	QPSK	36	20	23.49	23.37	23.52	24.5	0.5		
15	QPSK	36	39	23.49	23.38	23.46				
15	QPSK	75	0	23.49	23.38	23.46				
15	QPSK	1	0	23.06	23.21	23.07				
15	QPSK	1	12	23.07	22.88	23.03	24	1		
15	QPSK	1	24	23.07	22.87	23.07				
15	QPSK	36	0	22.51	22.83	22.81				
15	QPSK	36	12	22.47	22.81	22.83	24	1		
15	QPSK	36	24	22.55	22.75	22.80				
15	QPSK	12	0	22.01	21.87	21.96				
15	QPSK	12	8	21.93	21.83	21.93	23	2		
15	QPSK	12	15	21.90	21.91	21.90				
15	QPSK	25	0	21.96	21.85	21.88				
15	SSBQAM	1	0	18.82	18.87	18.82				
15	SSBQAM	1	12	18.72	18.89	18.77				
15	SSBQAM	1	24	18.81	18.79	18.80				
15	SSBQAM	36	0	18.82	18.87	18.82				
15	SSBQAM	36	7	18.76	18.97	18.87				
15	SSBQAM	36	12	18.75	18.93	18.83	20	5		
15	SSBQAM	36	15	18.80	18.97	18.84				
Channel										
Frequency (MHz)				24110	24110	24110				
15	QPSK	1	0	23.91	23.87	23.94				
15	QPSK	1	8	23.94	24.00	23.93	25	0		
15	QPSK	1	14	23.98	23.90	23.81				
15	QPSK	36	0	23.59	23.58	23.59				
15	QPSK	36	20	23.32	23.40	23.36	24.5	0.5		
15	QPSK	36	39	23.44	23.44	23.40				
15	QPSK	75	0	23.53	23.63	23.57				
15	QPSK	1	0	23.61	23.70	23.60	24.5	0.5		
15	QPSK	1	8	23.69	23.69	23.68				
15	QPSK	1	14	23.60	23.59	23.64				
15	QPSK	36	0	22.98	22.99	22.96				
15	QPSK	36	8	22.98	22.98	22.94	23			
15	QPSK	36	15	0	22.92	22.87				
15	QPSK	1	0	22.53	22.74	22.89				
15	QPSK	1	8	22.68	22.83	22.86	24	1		
15	QPSK	1	14	22.67	22.77	22.77				
15	QPSK	36	0	22.05	21.88	21.94				
15	QPSK	36	8	21.94	21.80	21.95	23	2		
15	QPSK	36	15	0	22.02	21.96	21.99			
15	SSBQAM	1	0	18.66	18.82	18.68				
15	SSBQAM	1	8	18.71	18.80	18.76	20	5		
15	SSBQAM	1	14	18.71	18.70	18.86				
15	SSBQAM	36	0	18.76	18.87	18.76				
15	SSBQAM	36	8	18.76	18.86	18.86	20	5		
15	SSBQAM	36	14	18.79	18.82	18.78				
15	SSBQAM	36	7	18.79	18.88	18.77				
15	SSBQAM	75	0	18.80	18.87	18.84				
Channel										
Frequency (MHz)				24110	24110	24110				
15	QPSK	1	0	24.00	23.99	24.00				
15	QPSK	1	5	24.00	24.04	24.00	25	0		
15	QPSK	1	6	24.00	23.98	24.01				
15	QPSK	36	0	23.60	23.59	23.60				
15	QPSK	36	20	23.40	23.35	23.43	24.5	0.5		
15	QPSK	36	39	23.41	23.37	23.41				
15	QPSK	75	0	23.41	23.37	23.41				
15	QPSK	1	0	23.51	23.71	23.50				
15	QPSK	1	5	23.73	23.69	23.70	24.5	0.5		
15	QPSK	1	6	23.73	23.73	23.45				
15	QPSK	36	0	23.69	23.52	23.61				
15	QPSK	36	5	23.51	23.74	23.53	24.5	0.5		
15	QPSK	36	1	23.72	23.75	23.45				
15	QPSK	36	6	23.69	23.69	23.52				
15	QPSK	75	0	23.64	23.74	23.63				
15	QPSK	1	0	22.84	22.82	22.89	24	1		
15	QPSK	1	5	22.85	22.87	22.87				
15	QPSK	1	6	22.85	22.86	22.77	24	1		
15	QPSK	36	0	22.25	22.75	22.75				
15	QPSK	36	5	22.64	22.69	22.71				
15	QPSK	36	6	22.60	22.81	21.87	23	2		
15	QPSK	36	1	22.60	22.82	22.82				
15	QPSK	36	5	18.81	18.87	18.79				
15	SSBQAM	1	0	18.76	18.82	18.76				
15	SSBQAM	1	5	18.76	18.86	18.86	20	5		
15	SSBQAM	1	6	18.78	18.80	18.82				
15	SSBQAM	36	0	18.74	18.91	18.83				
15	SSBQAM	36	5	18.87	18.86	18.86	20	5		

Band 26(FCC)_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-use (int./sec)	MFR (dB)		
Channel										
Frequency (MHz)				24110	24110	24110				
15	QPSK	1	0	19.35	19.35	19.30				
15	QPSK	1	37	19.43	19.41	19.44	20.5	0		
15	QPSK	1	74	19.43	19.43	19.43				
15	QPSK	36	0	19.35	19.34	19.43				
15	QPSK	36	20	19.46	19.33	19.40	20.5	0		
15	QPSK	36	39	19.47	19.35	19.35				
15	SSBQAM	1	0	19.38	19.47	19.48				
15	SSBQAM	1	37	19.45	19.45	19.35	20.5	0		
15	SSBQAM	1	74	19.36	19.04	19.46				
15	SSBQAM	36	0	19.35	19.32	19.48				
15	SSBQAM	36	20	19.45	19.44	19.41	20.5	0		
15	SSBQAM	36	39	19.45	19.48	19.38				
15	SSBQAM	75	0	19.46	19.44	19.41	20.5	0		
15	SSBQAM	1	0	19.35	19.43	19.49				
15	SSBQAM	1	37	19.47	19.47	19.39				
15	SSBQAM	1	74	19.41	19.47	19.46				
15	SSBQAM	36	0	18.63	18.77	18.62				
15	SSBQAM	36	20	18.61	18.62	18.56	19.5	1		
15	SSBQAM	36	39	18.61	18.62	18.56				
15	SSBQAM	75	0	18.49	18.63	18.61	19.5	1		
15	SSBQAM	75	0	18.49	18.63	18.61	19.5	1		
Channel				24140	24085	24090				
Frequency (MHz)				24110	24110	24110	Time-use (int./sec)	MFR (dB)		
15	QPSK	1	0	19.38	19.42	19.47				
15	QPSK	1	26	19.36	19.38	19.38				
15	QPSK	1	49	19.34	19.33	19.38	20.5	0		
15	QPSK	1	72	19.34	19.34	19.34				
15	QPSK	25	12	19.37	19.35	19.29				
15	QPSK	25	25	19.38	19.42	19.27				
15	SSBQAM	1	0	19.35	19.34	19.43				
15	SSBQAM	1	26	19.35	19.37	19.33	20.5	0		
15	SSBQAM	1	49	19.35	19.35	19.35				
15	SSBQAM	25	0	19.42	19.45	19.49				
15	SSBQAM	25	12	19.28	19.38	19.23				
15	SSBQAM	25	25	19.38	19.38	19.23				
15	SSBQAM	50	0	19.36	19.34	19.32				
15	SSBQAM	1	0	19.33	19.35	19.27				
15	SSBQAM	25	0	19.40	19.42	19.35	20.5	0		
15	SSBQAM	1	49	19.46	19.37	19.34				
15	SSBQAM	25	0	19.38	19.37	19.23				
15	SSBQAM	25	12	19.43	19.43	19.23				
15	SSBQAM	25	25	19.44	19.37	19.25				
15	SSBQAM	50	0	19.32	19.32	19.25				
15	SSBQAM	60	0	19.32	19.28	19.43				
15	SSBQAM	60	0	19.34	19.44	19.33				
15	SSBQAM	1	49	19.35	19.32	19.43				
15	SSBQAM	1	49	19.34	18.55	18.64	19.5	1		
15	SSBQAM	25	12	18.61	18.62	18.50				
15	SSBQAM	25	25	18.61	18.62	18.50				
15	SSBQAM	25	25	18.48	18.62	18.52	19.5	1		
15	SSBQAM	50	0	18.58	18.62	18.50				
Channel				24115	24085	24075				
Frequency (MHz)				24115	24115	24115	Time-use (int./sec)	MFR (dB)		
15	QPSK	1	0	19.40	19.40	19.40				
15	QPSK	1	26	19.38	19.33	19.33	20.5	0		
15	QPSK	1	24	19.38	19.42	19.34				
15	QPSK	1	12	0	19.35	19.47	19.31			
15	QPSK	1	12	0	19.35	19.47	19.31			
15	QPSK	12	13	19.44	19.31	19.20	20.5	0		
15	SSBQAM	1	0	19.32	19.43	19.33				
15	SSBQAM	1	26	19.35	19.43	19.33				
15	SSBQAM	1	12	19.43	19.28	19.33				
15	SSBQAM	1	24	19.35	19.35	19.40				
15	SSBQAM	12	0	19.30	19.33	19.40				
15	SSBQAM	12	7	19.27	19.49	19.35	20.5	0		
15	SSBQAM	12	0	19.30	19.30	19.30				
15	SSBQAM	25	0	19.30	19.31	19.32				
15	SSBQAM	1	0	19.32	19.46	19.38				
15	SSBQAM	12	0	19.32	19.46	19.38	20.5	0		
15	SSBQAM	1	24	19.40	19.28	19.44				
15	SSBQAM	12	13	19.41	19.44	19.24	20.5	0		
15	SSBQAM	25	0	19.40	19.28	19.42				
15	SSBQAM	1	12	19.40	19.28	19.42				
15	SSBQAM	1	12	19.40	19.28	19.42				
15	SSBQAM	1	12	19.40	19.28	19.42				
15	SSBQAM	12	7	19.50	19.40	19.50	19.5	1		
15	SSBQAM	12	13	19.44	18.53	18.52				
15	SSBQAM	25	0	18.50	18.62	18.48	19.5	1		
Channel				24105	24085	24075				
Frequency (MHz)				24115	24115	24115	Time-use (int./sec)	MFR (dB)		
14	QPSK	1	0	19.38	19.49	19.43				
14	QPSK	1	37	19.33	19.33	19.43	20.5	0		
14	QPSK	1	14	19.30	19.32	19.37				
14	QPSK	8	0	19.35	19.46	19.32				
14	QPSK	8	0	19.35	19.46	19.32				
14	QPSK	8	7	19.42	19.38	19.32				
14	SSBQAM	1	0	19.31	19.49	19.37				
14	SSBQAM	1	0	19.33	19.42	19.38				
14	SSBQAM	1	8	19.30	19.34	19.34				
14	SSBQAM	8	0	19.35	19.46	19.32				
14	SSBQAM	8	0	19.37	19.35	19.37				
14	SSBQAM	8	4	19.24	19.44	19.31				
14	SSBQAM	8	7	19.42	19.38	19.32				
14	SSBQAM	15	0	19.28	19.31	19.34				
14	SSBQAM	1	0	19.33	19.33	19.38	20.5	0		
14	SSBQAM	8	0	19.36	19.42	19.32				
14	SSBQAM	1	14	19.44	19.31	19.44				
14	SSBQAM	8	0	19.28	19.31	19.28				
14	SSBQAM	8	0	19.36	19.42	19.32				
14	SSBQAM	8	7	19.30	19.35	19.31	20.5	0		
14	SSBQAM	15	0	19.40	19.28	19.46				
14	SSBQAM	1	14	19.44	19.34	19.42				
14	SSBQAM	8	0	19.36	19.42	19.32				
14	SSBQAM	8	7	19.35	18.51	18.52	19.5	1		
14	SSBQAM	15	0	18.50	18.62	18.48				
Channel				24097	24085	24075				
Frequency (MHz)				24117	24117	24117	Time-use (int./sec)	MFR (dB)		
14	QPSK	1	0	19.38	19.49	19.43				
14	QPSK	1	37	19.33	19.33	19.43	20.5	0		
14	QPSK	1	5	19.44	19.35	19.42				
14	QPSK	3	0	19.35	19.41	19.37				
14	QPSK	3	3	19.45	19.44	19.32				
14	SSBQAM	1	0	19.30	19.36	19.48	20.5	0		
14	SSBQAM	1	3	19.42	19.30	19.29				
14	SSBQAM	3	0	19.44	19.35	19.30				
14	SSBQAM	3	0	19.27	19.41	19.25				
14	SSBQAM	3	3	19.36	19.37	19.34				
14	SSBQAM	6	0	19.28	19.43	19.33	20.5	0		
14	SSBQAM	1	0	19.43	19.39	19.26				
14	SSBQAM	3	0	19.44	19.37	19.26				
14	SSBQAM	1	5	19.40	19.41	19.47				
14	SSBQAM	3	0	19.27	19.38	19.30	20.5	0		
14	SSBQAM	3	3	19.40	19.32	19.42				
14	SSBQAM	3	3	19.40	19.33	19.28				
14	SSBQAM	6	0	19.27	19.37	19.28	20.5	0		
14	SSBQAM	1	3	19.38	18.62	18.64				
14	SSBQAM	1	5	18.56	18.62	18.50	19.5	1		
14	SSBQAM	1	5	18.56	18.62	18.50				
14	SSBQAM	3	1	18.50	18.57	18.59				
14	SSBQAM	3	3	18.45	18.56	18.49				
14	SSBQAM	3	3	18.45	18.56	18.49				

Band 66_Ant 5															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-use (min)	APR (dB)							
Channel															
Frequency (MHz)				1730.72	1735.72	1737.72									
20	QPSK	1	0	24.35	24.30	24.32	25	0							
20	QPSK	1	40	24.22	24.26	24.15									
20	QPSK	1	80	24.07	24.10	24.10									
20	QPSK	50	0	23.35	23.40	23.32									
20	QPSK	50	24	23.52	23.32	23.26									
20	QPSK	50	24	23.30	23.32	23.20	24.5	0.5							
20	QPSK	100	0	23.23	23.32	23.25									
20	HQDM	1	0	23.80	23.83	23.79									
20	HQDM	1	40	23.71	23.79	23.73									
20	HQDM	50	0	22.75	22.80	22.84									
20	HQDM	50	24	22.79	22.72	22.82	24	1							
20	HQDM	50	50	22.74	22.70	22.88									
20	HQDM	100	0	22.75	22.76	22.70									
20	HQDM	1	0	22.96	22.88	22.83									
20	HQDM	1	40	22.96	22.76	22.74									
20	HQDM	1	80	22.96	22.77	22.82	23	2							
20	HQDM	50	0	22.23	22.22	22.28									
20	HQDM	50	24	22.22	22.20	22.24									
20	HQDM	50	50	22.21	22.22	22.17									
20	HQDM	100	0	22.26	22.24	22.32									
20	SSBDM	1	0	19.07	19.10	19.07	20								
20	SSBDM	1	40	18.91	18.94	18.92									
20	SSBDM	1	80	18.91	18.94	18.91									
20	SSBDM	50	0	18.90	18.98	18.91									
20	SSBDM	50	24	18.95	18.96	18.92									
Channel															
Frequency (MHz)				1730.47	1735.72	1737.72	Time-use (min)	APR (dB)							
15	QPSK	1	0	24.19	24.24	24.14	25	0							
15	QPSK	1	37	24.14	24.23	24.08									
15	QPSK	1	74	24.06	23.97	24.00									
15	QPSK	36	0	23.25	23.30	23.25									
15	QPSK	36	20	23.24	23.19	23.25									
15	QPSK	36	36	23.19	23.20	23.08	24.5	0.5							
15	QPSK	75	0	23.18	23.17	23.10									
15	HQDM	1	0	23.97	23.94	23.98									
15	HQDM	1	37	23.81	23.87	23.90									
15	HQDM	1	74	23.78	23.82	23.76									
15	HQDM	36	0	22.75	22.76	22.71	24	1							
15	HQDM	36	20	22.65	22.68	22.75									
15	HQDM	36	36	22.72	22.68	22.55									
15	HQDM	75	0	22.68	22.67	22.58									
15	HQDM	1	0	22.80	22.75	22.78									
15	HQDM	1	37	22.82	22.70	22.82	24	1							
15	HQDM	1	74	22.76	22.70	22.87									
15	HQDM	36	0	22.15	22.18	22.21									
15	HQDM	36	20	22.20	22.25	22.21									
15	HQDM	36	36	22.06	22.02	22.12									
15	SSBDM	1	0	19.02	19.00	19.05	20	5							
15	SSBDM	1	37	18.81	18.91	18.86									
15	SSBDM	1	74	18.82	18.91	18.86									
15	SSBDM	36	0	18.90	18.99	18.90									
15	SSBDM	36	20	18.90	18.87	18.84									
15	SSBDM	36	36	18.79	18.91	18.94	20	5							
15	SSBDM	75	0	18.78	18.85	18.80									
Channel															
Frequency (MHz)				1730.22	1735.72	1737.72	Time-use (min)					APR (dB)			
10	QPSK	1	0	24.11	24.11	24.04	25	0							
10	QPSK	1	25	24.23	24.08	24.19									
10	QPSK	1	40	23.33	24.02	23.63									
10	QPSK	25	0	23.21	23.32	23.26									
10	QPSK	25	12	23.30	23.31	23.21									
10	QPSK	25	25	23.23	23.32	23.08	24.5	0.5							
10	QPSK	50	0	23.14	23.24	23.11									
10	HQDM	1	0	23.88	23.86	23.82									
10	HQDM	1	25	23.82	23.87	23.86									
10	HQDM	1	50	23.82	23.76	23.78									
10	HQDM	25	0	22.77	22.75	22.78	24	1							
10	HQDM	25	12	22.65	22.59	22.79									
10	HQDM	25	25	22.59	22.67	22.62									
10	HQDM	50	0	22.68	22.67	22.69									
10	HQDM	50	0	22.88	22.80	22.73									
10	HQDM	1	0	22.78	22.63	22.58	24	1							
10	HQDM	1	25	22.82	22.74	22.70									
10	HQDM	25	0	22.11	22.24	22.26									
10	HQDM	25	12	22.21	22.23	22.16									
10	HQDM	25	25	22.08	22.16	22.04									
10	HQDM	50	0	22.14	22.11	22.31	23	2							
10	SSBDM	1	0	19.04	18.99	19.02									
10	SSBDM	1	25	18.75	18.86	18.79									
10	SSBDM	1	50	18.75	18.93	18.88									
10	SSBDM	25	0	18.90	18.98	18.78									
10	SSBDM	25	12	18.97	18.97	18.86	20	5							
10	SSBDM	25	25	18.85	18.92	18.82									
10	SSBDM	50	0	18.73	18.88	18.84									
Channel															
Frequency (MHz)				1731.97	1735.72	1737.72	Time-use (min)					APR (dB)			
5	QPSK	1	0	24.18	24.15	24.03	25	0							
5	QPSK	1	12	24.11	24.19	24.10									
5	QPSK	1	24	23.33	23.35	23.26									
5	QPSK	12	0	23.29	23.35	23.23									
5	QPSK	12	7	23.24	23.29	23.19									
5	QPSK	12	13	23.11	23.13	23.07	24.5	0.5							
5	QPSK	25	0	23.15	23.22	23.16									
5	HQDM	1	0	23.95	24.02	23.86									
5	HQDM	1	12	23.77	23.89	23.81									
5	HQDM	1	24	23.85	23.77	23.85									
5	HQDM	12	0	22.76	22.72	22.81	24	1							
5	HQDM	12	7	22.66	22.71	22.70									
5	HQDM	12	13	22.60	22.68	22.67									
5	HQDM	25	0	22.67	22.73	22.66									
5	HQDM	1	0	22.84											

Band 66_Ant 11														
WV (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (min)	MPR (dB)						
Channel														
Frequency (MHz)														
17072 17452 17752														
20	QPSK	1	0	19.55	19.69	19.58	20.4	0						
20	QPSK	1	49	19.55	19.65	19.64								
20	QPSK	1	99	19.55	19.54	19.52								
20	QPSK	50	0	19.55	19.67	19.55								
20	QPSK	50	24	19.51	19.65	19.62	20.4	0						
20	QPSK	50	50	19.55	19.54	19.54								
20	QPSK	100	0	19.49	19.55	19.52								
20	HQDM	1	0	19.60	19.60	19.53								
20	HQDM	1	49	19.51	19.59	19.52	20.4	0						
20	HQDM	1	99	19.52	19.54	19.59								
20	HQDM	50	0	19.55	19.67	19.63								
20	HQDM	50	24	19.51	19.67	19.58								
20	HQDM	50	50	19.51	19.67	19.58	20.4	0						
20	HQDM	100	0	19.51	19.56	19.51								
20	HQDM	1	0	19.59	19.61	19.54								
20	HQDM	1	49	19.59	19.58	19.55								
20	HQDM	1	99	19.51	19.57	19.63	20.4	0						
20	HQDM	50	0	19.59	19.67	19.60								
20	HQDM	50	24	19.49	19.55	19.57								
20	HQDM	50	50	19.49	19.63	19.62								
20	SSQDM	1	0	18.62	18.68	18.61	19.4	1						
20	SSQDM	1	49	18.65	18.64	18.58								
20	SSQDM	1	99	18.67	18.68	18.63								
20	SSQDM	50	0	18.57	18.65	18.62								
20	SSQDM	50	24	18.58	18.66	18.59								
20	SSQDM	50	50	18.65	18.63	18.61								
20	SSQDM	100	0	18.59	18.68	18.57								
Channel														
Frequency (MHz)														
17171.5 1745 1772.5														
15	QPSK	1	0	19.61	19.54	19.55	20.4	0						
15	QPSK	1	37	19.43	19.55	19.56								
15	QPSK	1	74	19.53	19.62	19.58								
15	QPSK	36	0	19.52	19.53	19.52								
15	QPSK	36	20	19.38	19.64	19.50	20.4	0						
15	QPSK	36	39	19.43	19.39	19.39								
15	QPSK	75	0	19.45	19.43	19.43								
15	HQDM	1	0	19.48	19.45	19.38								
15	HQDM	1	37	19.45	19.49	19.45	20.4	0						
15	HQDM	1	74	19.44	19.42	19.49								
15	HQDM	36	0	19.44	19.59	19.55								
15	HQDM	36	20	19.48	19.52	19.45								
15	HQDM	36	39	19.48	19.54	19.57	20.4	0						
15	HQDM	75	0	19.46	19.43	19.45								
15	HQDM	1	0	19.49	19.53	19.50								
15	HQDM	1	37	19.49	19.58	19.55								
15	HQDM	1	74	19.45	19.50	19.54	20.4	0						
15	HQDM	36	0	19.49	19.59	19.52								
15	HQDM	36	20	19.42	19.48	19.52								
15	HQDM	36	39	19.47	19.54	19.51								
15	SSQDM	1	0	18.61	18.62	18.47	19.4	1						
15	SSQDM	1	37	18.61	18.61	18.49								
15	SSQDM	1	74	18.63	18.67	18.57								
15	SSQDM	36	0	18.43	18.62	18.57								
15	SSQDM	36	20	18.58	18.55	18.49	19.4	1						
15	SSQDM	36	39	18.43	18.52	18.57								
15	SSQDM	75	0	18.57	18.65	18.48								
15	SSQDM	75	0	18.57	18.65	18.48								
Channel														
Frequency (MHz)														
17171.5 1745 1772.5														
10	QPSK	1	0	19.59	19.67	19.53	20.4	0						
10	QPSK	1	25	19.43	19.59	19.53								
10	QPSK	1	49	19.53	19.61	19.58								
10	QPSK	25	0	19.58	19.65	19.59								
10	QPSK	25	12	19.47	19.55	19.54	20.4	0						
10	QPSK	25	24	19.54	19.51	19.50								
10	QPSK	50	0	19.38	19.42	19.51								
10	HQDM	1	0	19.54	19.58	19.52								
10	HQDM	1	25	19.45	19.48	19.48	20.4	0						
10	HQDM	1	49	19.44	19.41	19.44								
10	HQDM	25	0	19.46	19.61	19.53								
10	HQDM	25	12	19.48	19.55	19.36								
10	HQDM	25	25	19.41	19.53	19.50	20.4	0						
10	HQDM	50	0	19.39	19.52	19.48								
10	HQDM	50	0	19.41	19.58	19.62								
10	HQDM	1	0	19.49	19.68	19.56								
10	HQDM	1	49	19.45	19.49	19.51	20.4	0						
10	HQDM	25	0	19.42	19.60	19.54								
10	HQDM	25	12	19.43	19.49	19.49								
10	HQDM	25	25	19.45	19.61	19.58								
10	HQDM	50	0	19.50	19.61	19.49	20.4	0						
10	SSQDM	1	0	18.59	18.57	18.50								
10	SSQDM	1	49	18.49	18.66	18.51								
10	SSQDM	1	99	18.44	18.59	18.53								
10	SSQDM	25	0	18.57	18.55	18.49								
10	SSQDM	25	12	18.53	18.58	18.52	19.4	1						
10	SSQDM	25	25	18.53	18.58	18.54								
10	SSQDM	50	0	18.47	18.53	18.54								
10	SSQDM	50	0	18.47	18.53	18.54								
Channel														
Frequency (MHz)														
17171.5 1745 1772.5														
5	QPSK	1	0	19.47	19.59	19.50	20.4	0						
5	QPSK	1	12	19.52	19.53	19.53								
5	QPSK	1	24	19.42	19.49	19.49								
5	QPSK	12	0	19.58	19.60	19.60								
5	QPSK	12	7	19.38	19.60	19.49	20.4	0						
5	QPSK	12	13	19.42	19.43	19.39								
5	QPSK	25	0	19.39	19.47	19.47								
5	HQDM	1	0	19.52	19.52	19.49								
5	HQDM	1	12	19.42	19.44	19.37	20.4	0						
5	HQDM	1	24	19.44	19.43	19.54								
5	HQDM	12	0	19.41	19.60	19.52								
5	HQDM	12	7	19.54	19.57	19.48								
5	HQDM	12	13	19.39	19.65	19.54	20.4	0						
5	HQDM	25	0	19.44	19.55	19.50								
5	HQDM	1	0	19.38	19.54	19.55								
5	HQDM	1	12	19.51	19.62	19.53								
5	HQDM	1	24	19.35	19.52	19.55	20.4	0						
5	HQDM	12	0	19.53	19.63	19.58								
5	HQDM	12	7	19.34	19.45	19.41								
5	HQDM	12	13	19.44	19.48	19.49								
5	HQDM	25	0	19.55	19.62	19.51	20.4	0						
5	HQDM	25	12	19.43	19.49	19.49								
5	HQDM	25	25	19.45	19.61	19.58								
5	HQDM	50	0	19.50	19.61	19.49								
5	HQDM	50	0	19.50	19.61	19.49								
5	SSQDM	1	0	18.63	18.64	18.46	19.4	1						
5	SSQDM	1	24	18.57	18.59	18.59								
5	SSQDM	12	0	18.53	18.62	18.53								
5	SSQDM	12	7	18.63	18.63	18.53								
5	SSQDM	12	13	18.49	18.58	18.52	19.4	1						
5	SSQDM	12	25	18.54	18.58	18.53								
5	SSQDM	25	0	18.54	18.58	18.53								
5	SSQDM	25	0	18.54	18.58	18.53								
Channel														
Frequency (MHz)														
17171.5 1745 1772.5														
3	QPSK	1	0	19.55	19.68	19.51	20.4	0						
3	QPSK	1	12	19.52	19.53	19.52								
3	QPSK	1	14	19.54	19.59	19.54								
3	QPSK	8	0	19.47	19.59	19.50								
3	QPSK	8	12	19.44	19.62	19.51	20.4	0						
3	QPSK	8	7	19.43	19.53	19.41								
3	QPSK	15	0	19.54	19.52	19.49								
3	HQDM	1	0	19.54	19.47	19.44								
3	HQDM	1	8	19.49	19.51	19.50	20.4	0						
3	HQDM	1	14	19.57	19.58	19.54								
3	HQDM	8	0	19.43	19.63	19.56								
3	HQDM	8	4	19.60	19.54	19.49								
3	HQDM	7	0	19.48	19.61	19.55	20.4	0						
3	HQDM	15	0	19.38	19.48	19.42								
3	HQDM	1	0	19.42	19.47	19.30								
3	HQDM	1	8	19.45	19.48	19.45								
3	HQDM	1	14	19.38	19.44	19.54	20.4	0						
3	HQDM	8	0	19.45	19.58	19.50								
3	HQDM	8	4	19.38	19.54	19.45								
3	HQDM	8	7	19.47	19.52	19.50								
3	HQDM	15	0	19.50	19.58	19.52	20.4	0						
3	HQDM	15	8	19.49	19.63	19.58								
3	HQDM	1	8	19.60	19.57	19.45								
3	SSQDM	1	14	18.54	18.62	18.58								
3	SSQDM	8	0	18.47	18.54	18.54								
3	SSQDM	8	4	18.54	18.57	18.51								
3	SSQDM	8	7	18.49	18.60	18.50	19.4	1						
3	SSQDM	15	0	18.55	18.62	18.56								
3	SSQDM	15	0	18.55	18.62	18.56								
Channel														
Frequency (MHz)														
17171.5 1745 1773.5														
1.4	QPSK	1	0	19.48	19.58	19.56			20.4	0				
1.4	QPSK	1	12	19.43	19.51	19.43								
1.4	QPSK	1	5	19.45	19.53	19.47								
1.4	QPSK	3	0	19.48	19.60	19.59								
1.4	QPSK	3	12	19.36	19.61	19.50	20.4	0						
1.4	QPSK	3	5	19.36	19.51	19.49								
1.4	QPSK	6	0	19.47	19.54	19.47								
1.4	HQDM	1	0	19.37	19.58	19.47								
1.4	HQDM	1	5	19.38	19.52	19.50	20.4	0						
1.4	HQDM	1	12	19.42	19.52	19.45								
1.4	HQDM	3	0	19.54	19.55	19.47								
1.4	HQDM	3	12	19.42	19.57	19.59								
1.4	HQDM	3	5	19.45	19.49	19.37	20.4	0						
1.4	HQDM	6	0	19.37	19.59	19.57								
1.4	HQDM	6	12	19.37	19.58	19.54								
1.4	HQDM	1	5	19.37	19.48	19.55								
1.4	HQDM													

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	24.45	24.40	24.42	25	0		
20	QPSK	1	49	24.33	24.23	24.29				
20	QPSK	1	99	24.42	24.41	24.38				
20	QPSK	50	0	23.85	24.05	24.02				
20	QPSK	50	24	23.85	23.87	23.94				
20	QPSK	50	50	23.81	23.91	23.98	24.5	0.5		
20	QPSK	100	0	23.89	24.00	23.96				
20	16QAM	1	0	23.89	23.92	23.93				
20	16QAM	1	49	23.83	23.90	24.10				
20	16QAM	1	99	23.99	24.04	24.16				
20	16QAM	50	0	23.34	23.38	23.42	24	1		
20	16QAM	50	24	23.35	23.43	23.47				
20	16QAM	50	50	23.42	23.43	23.57				
20	16QAM	100	0	23.34	23.44	23.48				
20	16QAM	1	0	22.58	22.59	22.65				
20	16QAM	1	49	22.60	22.61	22.81	23	2		
20	16QAM	1	99	22.67	22.70	22.81				
20	16QAM	50	0	22.40	22.40	22.48				
20	16QAM	50	24	22.35	22.47	22.58				
20	16QAM	50	50	22.50	22.45	22.63				
20	16QAM	100	0	22.47	22.42	22.55	23	2		
20	256QAM	1	0	18.91	18.92	18.95				
20	256QAM	1	49	18.86	18.91	18.90				
20	256QAM	1	99	18.00	18.01	18.91				
20	256QAM	50	0	18.93	18.97	18.84				
20	256QAM	50	24	18.53	18.89	18.81	20	5		
20	256QAM	50	50	18.96	18.99	18.88				
20	256QAM	100	0	18.90	18.96	18.94				
Channel										
Frequency (MHz)				3725	3800	3817.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.23	24.20	24.20	25	0		
15	QPSK	1	37	24.40	24.46	24.33				
15	QPSK	1	74	24.27	24.36	24.35				
15	QPSK	36	0	23.87	23.94	23.90				
15	QPSK	36	20	23.76	23.76	23.93				
15	QPSK	36	39	23.85	23.90	23.93	24.5	0.5		
15	QPSK	36	50	23.87	23.93	23.87				
15	16QAM	1	0	23.81	23.80	23.78				
15	16QAM	1	37	23.82	23.86	23.96				
15	16QAM	1	74	23.91	24.03	24.03				
15	16QAM	36	0	23.33	23.34	23.27	24	1		
15	16QAM	36	20	23.23	23.35	23.42				
15	16QAM	36	39	23.38	23.41	23.46				
15	16QAM	75	0	23.21	23.35	23.42				
15	16QAM	1	0	22.56	22.46	22.56				
15	16QAM	1	37	22.55	22.46	22.68	23	2		
15	16QAM	1	74	22.59	22.56	22.74				
15	16QAM	36	0	22.34	22.32	22.35				
15	16QAM	36	20	22.23	22.33	22.46				
15	16QAM	36	39	22.43	22.30	22.55				
15	16QAM	75	0	22.43	22.29	22.40	23	2		
15	256QAM	1	0	18.85	18.91	18.86				
15	256QAM	1	37	18.74	18.86	18.81				
15	256QAM	1	74	18.93	18.92	18.76				
15	256QAM	36	0	18.91	18.93	18.69				
15	256QAM	36	20	18.68	18.86	18.72	20	5		
15	256QAM	36	39	18.62	18.84	18.87				
15	256QAM	75	0	18.89	18.89	18.88				
Channel										
Frequency (MHz)				3760	3800	3820	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.24	24.17	24.14	25	0		
10	QPSK	1	25	24.33	24.39	24.33				
10	QPSK	1	49	24.41	24.30	24.27				
10	QPSK	25	0	23.96	23.98	23.97				
10	QPSK	25	13	23.71	23.73	23.80				
10	QPSK	25	25	23.76	23.96	23.93	24.5	0.5		
10	QPSK	50	0	23.85	23.97	23.94				
10	16QAM	1	0	23.87	23.91	23.87				
10	16QAM	1	25	23.81	23.80	24.14				
10	16QAM	1	49	23.82	23.98	24.14				
10	16QAM	25	0	23.30	23.25	23.30	24	1		
10	16QAM	25	12	23.29	23.30	23.46				
10	16QAM	25	25	23.29	23.38	23.43				
10	16QAM	50	0	23.26	23.26	23.45				
10	16QAM	1	0	22.44	22.26	22.59				
10	16QAM	1	25	22.57	22.56	22.73	23	2		
10	16QAM	1	49	22.52	22.62	22.68				
10	16QAM	25	0	22.26	22.25	22.43				
10	16QAM	25	12	22.31	22.32	22.47				
10	16QAM	25	25	22.38	22.40	22.49				
10	16QAM	50	0	22.37	22.32	22.40	20	5		
10	256QAM	1	0	18.85	19.01	18.84				
10	256QAM	1	25	18.74	18.81	18.80				
10	256QAM	1	49	18.96	18.90	18.85				
10	256QAM	25	0	18.91	18.94	18.77				
10	256QAM	25	12	18.68	18.79	18.79	20	5		
10	256QAM	25	25	18.67	18.91	18.75				
10	256QAM	50	0	18.75	18.81	18.82				
Channel										
Frequency (MHz)				3775	3800	3822.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.29	24.20	24.15	25	0		
5	QPSK	1	12	24.35	24.44	24.33				
5	QPSK	1	24	24.37	24.27	24.34				
5	QPSK	12	0	23.96	23.96	23.98				
5	QPSK	12	7	23.81	23.74	23.91				
5	QPSK	12	13	23.80	23.96	23.88	24.5	0.5		
5	QPSK	25	0	23.88	23.90	23.89				
5	16QAM	1	0	23.88	23.77	23.81				
5	16QAM	1	12	23.71	23.82	23.98				
5	16QAM	1	24	23.97	23.93	24.10				
5	16QAM	12	0	23.24	23.33	23.36	24	1		
5	16QAM	12	7	23.20	23.35	23.34				
5	16QAM	12	13	23.37	23.36	23.53				
5	16QAM	25	0	23.30	23.34	23.45				
5	16QAM	1	0	22.55	22.55	22.55				
5	16QAM	1	12	22.51	22.55	22.72	23	2		
5	16QAM	1	24	22.56	22.64	22.70				
5	16QAM	12	0	22.37	22.39	22.38				
5	16QAM	12	7	22.31	22.34	22.52				
5	16QAM	12	13	22.42	22.30	22.50				
5	16QAM	25	0	22.34	22.35	22.45	20	5		
5	16QAM	25	7	18.79	18.88	18.92				
5	256QAM	1	12	18.75	18.81	18.75				
5	256QAM	1	24	18.93	19.00	18.76				
5	256QAM	12	0	18.85	18.88	18.77				
5	256QAM	12	7	18.79	18.87	18.79	20	5		
5	256QAM	12	13	18.81	18.92	18.73				
5	256QAM	25	0	18.87	18.93	18.89				

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	17.28	17.39	17.30	17.9	0				
20	QPSK	1	49	17.26	17.24	17.27						
20	QPSK	1	99	17.23	17.35	17.29						
20	QPSK	50	0	17.25	17.38	17.27						
20	QPSK	50	24	17.19	17.26	17.20	17.9	0				
20	QPSK	50	49	17.22	17.30	17.27						
20	QPSK	100	0	17.23	17.30	17.22						
20	16QAM	1	0	17.27	17.27	17.25						
20	16QAM	1	49	17.21	17.34	17.17	17.9	0				
20	16QAM	1	99	17.23	17.28	17.18						
20	16QAM	50	24	17.18	17.24	17.25						
20	16QAM	50	50	17.20	17.28	17.22						
20	16QAM	100	0	17.20	17.25	17.23	17.9	0				
20	16QAM	50	50	17.23	17.26	17.29						
20	8QAM	1	99	17.24	17.37	17.19						
20	8QAM	50	0	17.17	17.38	17.25						
20	8QAM	50	24	17.23	17.30	17.23	17.9	0				
20	8QAM	100	0	17.21	17.38	17.28						
20	256QAM	1	0	17.21	17.38	17.28						
20	256QAM	1	49	17.18	17.37	17.23						
20	256QAM	1	99	17.16	17.37	17.23	17.9	0				
20	256QAM	50	24	17.26	17.30	17.29						
20	256QAM	50	24	17.18	17.28	17.29						
20	256QAM	50	50	17.27	17.36	17.18						
20	256QAM	100	0	17.14	17.37	17.37	17.9	0				
Channel												
Frequency (MHz)				25725	25850	25975				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.21	17.24	17.24				17.9	0	
15	QPSK	1	37	17.22	17.21	17.18						
15	QPSK	1	74	17.22	17.28	17.18						
15	QPSK	36	0	17.15	17.23	17.16						
15	QPSK	36	20	17.09	17.13	17.09	17.9	0				
15	QPSK	36	37	17.12	17.28	17.05						
15	QPSK	75	0	17.11	17.23	17.16						
15	16QAM	1	0	17.25	17.21	17.15						
15	16QAM	1	37	17.11	17.31	17.06	17.9	0				
15	16QAM	1	74	17.14	17.29	17.08						
15	16QAM	36	0	17.13	17.15	17.12						
15	16QAM	36	20	17.08	17.17	17.11						
15	16QAM	36	39	17.12	17.17	17.09	17.9	0				
15	16QAM	75	0	17.05	17.20	17.12						
15	8QAM	1	37	17.13	17.12	17.25						
15	8QAM	1	74	17.08	17.24	17.14						
15	8QAM	1	74	17.09	17.35	17.12	17.9	0				
15	8QAM	36	0	17.04	17.25	17.23						
15	8QAM	36	20	17.11	17.16	17.15						
15	8QAM	36	39	17.20	17.19	17.15						
15	8QAM	75	0	17.18	17.19	17.23	17.9	0				
15	256QAM	1	0	17.19	17.35	17.13						
15	256QAM	1	37	17.10	17.36	17.12						
15	256QAM	1	74	17.09	17.30	17.14						
15	256QAM	36	0	17.09	17.17	17.28	17.9	0				
15	256QAM	36	20	17.11	17.19	17.27						
15	256QAM	36	39	17.12	17.22	17.17						
15	256QAM	75	0	17.03	17.36	17.16						
Channel												
Frequency (MHz)				25975	26095	26215	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	17.15	17.34	17.15	17.9	0				
10	QPSK	1	25	17.15	17.13	17.18						
10	QPSK	1	49	17.15	17.30	17.19						
10	QPSK	25	0	17.22	17.34	17.23						
10	QPSK	25	0	17.24	17.30	17.25	17.9	0				
10	QPSK	25	25	17.17	17.27	17.10						
10	QPSK	50	0	17.09	17.15	17.09						
10	16QAM	1	0	17.23	17.19	17.10						
10	16QAM	1	25	17.15	17.29	17.04	17.9	0				
10	16QAM	1	49	17.14	17.20	17.16						
10	16QAM	25	0	17.09	17.20	17.15						
10	16QAM	25	12	17.15	17.12	17.12						
10	16QAM	25	25	17.10	17.20	17.15	17.9	0				
10	8QAM	1	25	17.16	17.24	17.17						
10	8QAM	1	0	17.16	17.20	17.14						
10	8QAM	1	25	17.15	17.35	17.14						
10	8QAM	1	49	17.16	17.22	17.15	17.9	0				
10	8QAM	25	0	17.12	17.27	17.13						
10	8QAM	25	12	17.16	17.18	17.18						
10	8QAM	25	25	17.18	17.18	17.19						
10	8QAM	50	0	17.14	17.16	17.22	17.9	0				
10	256QAM	1	0	17.08	17.34	17.18						
10	256QAM	1	25	17.11	17.14	17.20						
10	256QAM	1	49	17.13	17.24	17.21						
10	256QAM	25	0	17.11	17.29	17.25	17.9	0				
10	256QAM	25	12	17.07	17.21	17.17						
10	256QAM	25	25	17.20	17.27	17.09						
10	256QAM	50	0	17.10	17.25	17.19						
Channel												
Frequency (MHz)				25775	25995	26175	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	17.18	17.24	17.22	17.9	0				
5	QPSK	1	12	17.21	17.14	17.23						
5	QPSK	1	24	17.08	17.20	17.16						
5	QPSK	12	7	17.21	17.30	17.17						
5	QPSK	12	13	17.16	17.31	17.14	17.9	0				
5	QPSK	25	0	17.22	17.17	17.14						
5	16QAM	1	0	17.20	17.19	17.23						
5	16QAM	12	7	17.26	17.12	17.02						
5	16QAM	1	24	17.20	17.17	17.16	17.9	0				
5	16QAM	12	0	17.11	17.24	17.21						
5	16QAM	12	7	17.04	17.11	17.20						
5	16QAM	12	13	17.08	17.13	17.20						
5	16QAM	25	0	17.12	17.18	17.16	17.9	0				
5	8QAM	1	0	17.16	17.16	17.27						
5	8QAM	1	12	17.12	17.28	17.09						
5	8QAM	1	24	17.15	17.23	17.15						
5	8QAM	12	7	17.06	17.33	17.13	17.9	0				
5	8QAM	12	13	17.18	17.17	17.17						
5	8QAM	25	0	17.22	17.26	17.25						
5	8QAM	25	0	17.20	17.31	17.24						
5	256QAM	1	0	17.15	17.37	17.08	17.9	0				
5	256QAM	1	24	17.15	17.28	17.22						
5	256QAM	12	0	17.11	17.19	17.14						
5	256QAM	12	7	17.07	17.26	17.15						
5	256QAM	12	13	17.16	17.18	17.25	17.9	0				
5	256QAM	25	0	17.00	17.33	17.22						

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	18.20	18.25	18.10	17	0					
20	QPSK	1	49	18.13	18.10	18.08							
20	QPSK	1	99	18.17	18.08	18.16							
20	QPSK	50	0	18.17	18.20	18.15							
20	QPSK	50	24	18.08	18.19	18.11	17	0					
20	QPSK	50	50	18.14	18.18	18.09							
20	QPSK	100	0	18.06	18.19	18.12							
20	16QAM	1	0	18.17	18.17	18.09							
20	16QAM	1	49	18.13	18.18	18.10	17	0					
20	16QAM	1	99	18.08	18.14	18.07							
20	16QAM	50	0	18.19	18.16	18.12							
20	16QAM	50	24	18.19	18.15	18.13							
20	16QAM	50	50	18.11	18.17	18.10	17	0					
20	16QAM	100	0	18.18	18.15	18.11							
20	64QAM	1	0	18.08	18.12	18.17							
20	64QAM	1	49	18.14	18.19	18.14							
20	64QAM	1	99	18.14	18.11	18.10	17	0					
20	64QAM	50	0	18.12	18.13	18.09							
20	64QAM	50	24	18.05	18.19	18.14							
20	64QAM	50	50	18.19	18.13	18.15							
20	256QAM	1	0	15.48	15.53	15.39	16	1					
20	256QAM	1	49	15.46	15.44	15.42							
20	256QAM	1	99	15.43	15.49	15.52							
20	256QAM	50	0	15.46	15.39	15.43							
20	256QAM	50	24	15.44	15.45	15.41	16	1					
20	256QAM	50	50	15.44	15.42	15.44							
20	256QAM	100	0	15.42	15.46	15.47							
Channel													
Frequency (MHz)				37775	38000	38175	Tune-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	18.12	18.21	18.07	17	0					
15	QPSK	1	37	18.06	18.01	18.07							
15	QPSK	1	74	18.10	18.02	18.09							
15	QPSK	36	0	18.10	18.15	18.01							
15	QPSK	36	20	15.96	15.98	16.10	17	0					
15	QPSK	36	39	18.11	15.94	15.98							
15	QPSK	36	50	15.92	15.94	16.08							
15	16QAM	1	0	18.14	18.15	18.05							
15	16QAM	1	37	18.04	18.03	18.01	17	0					
15	16QAM	1	74	18.01	18.07	15.98							
15	16QAM	36	0	18.05	18.01	18.07							
15	16QAM	36	20	18.15	18.01	18.05							
15	16QAM	36	39	15.96	18.16	15.98	17	0					
15	16QAM	75	0	18.04	18.05	15.98							
15	64QAM	1	0	15.96	18.03	18.06							
15	64QAM	1	37	18.04	18.14	18.06							
15	64QAM	1	74	18.00	18.08	15.98	17	0					
15	64QAM	36	0	18.07	18.07	18.01							
15	64QAM	36	20	18.04	18.16	18.07							
15	64QAM	36	39	18.11	18.04	18.06							
15	64QAM	75	0	15.97	15.96	16.00	16	1					
15	256QAM	1	0	15.43	15.43	15.31							
15	256QAM	1	37	15.34	15.36	15.38							
15	256QAM	1	74	15.28	15.38	15.39							
15	256QAM	36	0	15.35	15.37	15.41	16	1					
15	256QAM	36	20	15.37	15.39	15.39							
15	256QAM	36	39	15.35	15.37	15.41							
15	256QAM	75	0	15.32	15.45	15.44							
Channel													
Frequency (MHz)				37860	38000	38200	Tune-up limit (dBm)				MPR (dB)		
2571 2591 2615													
10	QPSK	1	0	18.13	18.21	18.16	17	0					
10	QPSK	1	25	15.98	15.97	16.07							
10	QPSK	1	49	18.16	15.99	16.06							
10	QPSK	25	0	18.04	18.18	18.11							
10	QPSK	25	0	18.12	18.04	18.10	17	0					
10	QPSK	25	25	18.09	15.97	16.10							
10	QPSK	50	0	18.05	18.08	15.98							
10	16QAM	1	0	18.02	18.08	15.99							
10	16QAM	1	25	18.08	18.12	18.04	17	0					
10	16QAM	36	0	15.95	18.14	18.06							
10	16QAM	25	0	18.13	18.01	18.00							
10	16QAM	25	12	18.07	18.06	18.02							
10	16QAM	25	25	15.98	18.11	18.09	17	0					
10	16QAM	50	0	18.14	18.13	18.07							
10	16QAM	50	12	15.93	18.10	18.07							
10	64QAM	1	25	18.08	18.13	18.01							
10	64QAM	1	49	18.09	15.97	15.99	17	0					
10	64QAM	25	0	18.05	18.04	18.00							
10	64QAM	25	12	18.00	18.07	18.09							
10	64QAM	25	25	18.10	18.07	18.05							
10	64QAM	50	0	18.07	18.00	18.00	16	1					
10	256QAM	1	0	15.33	15.50	15.33							
10	256QAM	1	49	15.31	15.37	15.48							
10	256QAM	25	0	15.42	15.34	15.30							
10	256QAM	25	12	15.34	15.31	15.31	16	1					
10	256QAM	25	25	15.40	15.35	15.33							
10	256QAM	50	0	15.38	15.35	15.33							
Channel													
Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)				MPR (dB)		
2572.5 2595 2617.5													
5	QPSK	1	0	18.05	18.13	18.06	17	0					
5	QPSK	1	12	18.12	18.05	18.03							
5	QPSK	1	24	18.08	15.96	16.01							
5	QPSK	12	0	18.11	18.08	18.09							
5	QPSK	12	7	15.98	18.08	18.10	17	0					
5	QPSK	12	13	18.07	18.05	18.03							
5	QPSK	25	0	15.99	18.16	18.00							
5	16QAM	1	0	18.13	18.12	18.04							
5	16QAM	1	12	18.08	18.15	18.00	17	0					
5	16QAM	1	24	18.06	18.12	18.03							
5	16QAM	12	0	18.09	15.98	18.03							
5	16QAM	12	7	18.07	18.12	15.98							
5	16QAM	12	13	18.04	18.02	18.03	17	0					
5	16QAM	25	0	18.00	18.08	18.00							
5	16QAM	25	0	18.10	18.03	18.03							
5	64QAM	1	0	15.94	18.08	18.12							
5	64QAM	1	12	18.02	18.16	18.08	17	0					
5	64QAM	1	24	18.06	18.08	18.01							
5	64QAM	12	0	18.04	15.99	18.03							
5	64QAM	12	7	15.98	18.04	18.06	17	0					
5	64QAM	12	13	18.14	18.11	18.08							
5	64QAM	25	0	18.03	18.08	15.99							
5	256QAM	1	0	15.44	15.45	15.35							
5	256QAM	1	12	15.44	15.42	15.28	16	1					
5	256QAM	1	24	15.35	15.36	15.41							
5	256QAM	12	0	15.35	15.34	15.29							
5	256QAM	12	7	15.40	15.35	15.33							
5	256QAM	12	13	15.33	15.35	15.30	16						
5	256QAM	25	0	15.32	15.41	15.32							



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.	Tune-up limit (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	17.07	17.02	17.10	17.09	17.02	17.8	0				
20	QPSK	1	49	17.02	17.01	17.06	17.01	16.97						
20	QPSK	1	99	17.02	16.90	17.01	17.07	16.92						
20	QPSK	50	0	17.05	17.01	17.08	17.07	17.00						
20	QPSK	50	24	17.04	16.95	16.97	17.06	16.99						
20	QPSK	50	50	16.98	16.97	17.05	17.06	16.87	17.8	0				
20	QPSK	100	0	17.03	16.90	17.05	17.00	16.95						
20	16QAM	1	0	16.99	16.98	17.07	17.00	16.97						
20	16QAM	1	49	16.96	16.95	16.96	16.97	16.94						
20	16QAM	1	99	17.02	16.97	17.07	16.99	17.01						
20	16QAM	50	0	16.92	16.94	17.01	17.02	16.93	17.8	0				
20	16QAM	50	24	17.02	16.95	16.95	17.05	16.88						
20	16QAM	50	50	17.04	17.00	17.09	16.97	16.89						
20	16QAM	100	0	17.04	17.03	17.06	17.05	17.00						
20	64QAM	1	0	16.93	17.03	16.98	16.94	16.92						
20	64QAM	1	99	16.95	16.91	17.09	17.03	16.95	17.8	0				
20	64QAM	50	0	16.99	16.95	16.96	17.06	16.91						
20	64QAM	50	24	17.01	16.93	16.96	16.98	16.90						
20	64QAM	50	50	17.03	16.97	17.06	17.08	17.00						
20	64QAM	100	0	17.04	16.91	17.08	17.03	16.96						
20	256QAM	1	0	16.97	16.40	16.48	16.37	16.45	17.3	0.5				
20	256QAM	1	49	16.92	16.38	16.43	16.30	16.38						
20	256QAM	1	99	16.40	16.37	16.48	16.35	16.45						
20	256QAM	50	0	16.40	16.41	16.44	16.42	16.41						
20	256QAM	50	24	16.35	16.37	16.46	16.37	16.35						
20	256QAM	50	50	16.45	16.39	16.50	16.45	16.48	17.3	0.5				
20	256QAM	100	0	16.50	16.48	16.51	16.48	16.48						
Channel														
Frequency (MHz)				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	17.04	17.02	17.05	16.94	16.87	17.8	0				
15	QPSK	1	37	17.01	16.93	16.96	16.93	16.92						
15	QPSK	1	74	16.96	16.83	16.92	17.06	16.95						
15	QPSK	36	0	17.01	17.00	16.98	16.95	16.90						
15	QPSK	36	20	16.99	16.88	16.95	16.98	16.86						
15	QPSK	36	39	16.94	16.86	17.02	16.94	16.73	17.8	0				
15	QPSK	75	0	16.93	16.87	17.03	16.95	16.84						
15	16QAM	1	0	16.98	16.91	17.01	16.89	16.89						
15	16QAM	1	37	16.81	16.94	16.87	16.85	16.88						
15	16QAM	1	74	16.99	16.86	16.94	16.93	16.91						
15	16QAM	36	0	16.81	16.92	16.96	16.97	16.90	17.8	0				
15	16QAM	36	20	16.89	16.93	16.94	16.98	16.83						
15	16QAM	36	39	16.99	16.88	17.02	16.95	16.79						
15	16QAM	75	0	17.01	16.95	16.96	16.93	16.98						
15	64QAM	1	0	16.90	17.02	16.85	16.81	16.88						
15	64QAM	1	37	16.87	16.87	16.89	16.95	16.87	17.8	0				
15	64QAM	1	74	16.85	16.88	17.06	16.89	16.94						
15	64QAM	36	0	16.90	16.89	16.91	17.03	16.85						
15	64QAM	36	20	16.92	16.80	16.89	16.91	16.77						
15	64QAM	36	39	16.90	16.94	16.99	16.95	16.86						
15	256QAM	1	0	16.95	16.84	17.06	16.99	16.83	17.3	0.5				
15	256QAM	1	37	16.27	16.39	16.46	16.26	16.43						
15	256QAM	1	74	16.18	16.28	16.31	16.25	16.28						
15	256QAM	1	37	16.26	16.26	16.42	16.27	16.34						
15	256QAM	1	37	16.36	16.39	16.37	16.41	16.38						
15	256QAM	36	20	16.28	16.24	16.44	16.30	16.24	17.3	0.5				
15	256QAM	36	39	16.34	16.34	16.35	16.38	16.34						
15	256QAM	75	0	16.36	16.43	16.40	16.43	16.33						
Channel														
Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	16.97	17.04	17.02	17.07	16.94	17.8	0				
10	QPSK	1	25	16.90	16.90	17.05	16.98	16.85						
10	QPSK	1	49	16.96	16.83	16.93	17.01	16.77						
10	QPSK	25	0	17.03	17.02	16.95	16.99	16.86						
10	QPSK	25	12	16.92	16.90	16.93	16.90	16.80						
10	QPSK	25	25	16.88	16.85	17.01	16.83	16.76	17.8	0				
10	QPSK	50	0	16.90	16.76	16.98	16.86	16.89						
10	16QAM	1	0	16.94	16.95	17.06	16.86	16.90						
10	16QAM	1	25	16.92	16.86	16.92	16.99	16.93						
10	16QAM	1	49	16.98	16.89	16.92	16.92	16.88						
10	16QAM	25	0	16.89	16.80	16.91	16.99	16.88	17.8	0				
10	16QAM	25	12	16.93	16.94	16.86	17.04	16.78						
10	16QAM	25	25	16.94	16.85	16.97	16.86	16.87						
10	16QAM	50	0	16.97	17.06	17.00	16.99	16.93						
10	64QAM	1	0	16.82	17.02	16.88	16.88	16.89						
10	64QAM	1	25	16.92	16.85	16.91	16.95	16.88	17.8	0				
10	64QAM	1	49	16.84	16.87	17.05	17.00	16.83						
10	64QAM	25	0	16.94	16.83	16.92	16.96	16.78						
10	64QAM	25	12	16.99	16.85	16.92	16.94	16.89						
10	64QAM	25	25	16.94	16.95	16.97	17.00	16.99						
10	64QAM	50	0	16.92	16.80	17.05	16.89	16.89	17.3	0.5				
10	256QAM	1	0	16.34	16.38	16.37	16.27	16.41						
10	256QAM	1	25	16.19	16.29	16.32	16.26	16.28						
10	256QAM	1	49	16.39	16.32	16.35	16.31	16.44						
10	256QAM	25	0	16.36	16.37	16.42	16.39	16.36						
10	256QAM	25	12	16.27	16.29	16.33	16.31	16.33	17.3	0.5				
10	256QAM	25	25	16.31	16.36	16.47	16.35	16.47						
10	256QAM	50	0	16.40	16.43	16.50	16.46	16.45						
Channel														
Frequency (MHz)				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	16.94	16.91	17.05	16.94	16.99	17.8	0				
5	QPSK	1	12	16.89	16.97	16.97	16.95	16.82						
5	QPSK	1	24	17.01	16.98	16.97	17.00	16.89						
5	QPSK	12	0	17.01	16.91	17.04	17.06	16.98	17.8	0				
5	QPSK	12	7	16.98	16.86	16.93	17.05	16.88						
5	QPSK	12	13	16.88	16.83	16.97	16.90	16.86						
5	QPSK	25	0	16.97	16.87	16.97	16.97	16.85						
5	16QAM	1	0	16.87	16.83	17.00	16.87	16.96						
5	16QAM	1	12	16.93	16.83	16.93	16.87	16.86	17.8	0				
5	16QAM	1	24	16.91	16.85	17.02	16.88	16.86						
5	16QAM	12	0	16.86	16.80	16.96	16.97	16.85						
5	16QAM	12	7	16.94	16.83	16.96	16.90	16.78						
5	16QAM	12	13	16.95	16.98	16.98	16.89	16.79						
5	16QAM	25	0	16.90	16.99	17.03	16.91	16.85	17.3	0.5				
5	16QAM	25	0	16.84	16.97	16.92	16.82	16.88						
5	16QAM	1	12	16.97	16.92	16.98	17.03	16.82						
5	64QAM	1	0	16.90	16.81	16.97	17.01	16.82						
5	64QAM	12	7	16.91	16.90	16.92	16.90	16.77						
5	64QAM	12	13	17.00	16.90	16.94	16.93	16.85	17.8	0				
5	256QAM	25	0	16.36	16.79	17.09	16.82	16.90						
5	256QAM	1	0	16.35	16.38	16.35	16.27	16.35						
5	256QAM	1	12	16.26	16.35	16.36	16.28	16.30						
5	256QAM	1	24	16.30	16.34	16.47	16.26	16.40						
5	256QAM	12	0	16.30	16.31	16.37	16.30	16.34	17.3	0.5				
5	256QAM	12	7	16.33	16.32	16.32	16.30	16.32						
5	256QAM	12	13	16.33	16.26	16.47	16.38	16.42						
5	256QAM	25	0	16.35	16.45	16.36	16.38	16.33						

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	15.83	15.83	15.92	15.88	15.80	16.7	0		
20	QPSK	1	49	15.78	15.75	15.88	15.83	15.76	16.7	0		
20	QPSK	1	99	15.77	15.78	15.78	15.79	15.82	16.7	0		
20	QPSK	50	0	15.84	15.77	15.90	15.85	15.87	16.7	0		
20	QPSK	50	24	15.76	15.74	15.86	15.84	15.77	16.7	0		
20	QPSK	50	50	15.82	15.87	15.79	15.73	15.80	16.7	0		
20	QPSK	100	0	15.82	15.88	15.89	15.79	15.82	16.7	0		
20	16QAM	1	0	15.73	15.69	15.90	15.81	15.76	16.7	0		
20	16QAM	1	49	15.83	15.86	15.82	15.86	15.85	16.7	0		
20	16QAM	1	99	15.79	15.66	15.81	15.75	15.83	16.7	0		
20	16QAM	50	0	15.73	15.75	15.91	15.82	15.75	16.7	0		
20	16QAM	50	24	15.84	15.77	15.89	15.81	15.81	16.7	0		
20	16QAM	50	50	15.72	15.66	15.87	15.78	15.78	16.7	0		
20	16QAM	100	0	15.72	15.79	15.81	15.77	15.85	16.7	0		
20	64QAM	1	0	15.72	15.79	15.91	15.79	15.86	16.7	0		
20	64QAM	1	49	15.78	15.69	15.89	15.79	15.80	16.7	0		
20	64QAM	1	99	15.75	15.73	15.82	15.82	15.79	16.7	0		
20	64QAM	50	0	15.71	15.82	15.86	15.76	15.77	16.7	0		
20	64QAM	50	24	15.75	15.78	15.87	15.81	15.79	16.7	0		
20	64QAM	50	50	15.76	15.66	15.84	15.87	15.78	16.7	0		
20	64QAM	100	0	15.84	15.65	15.78	15.84	15.80	16.7	0		
20	256QAM	1	0	15.80	15.76	15.90	15.81	15.77	16.7	0		
20	256QAM	1	49	15.83	15.72	15.84	15.81	15.79	16.7	0		
20	256QAM	1	99	15.70	15.77	15.77	15.85	15.82	16.7	0		
20	256QAM	50	0	15.75	15.77	15.86	15.79	15.75	16.7	0		
20	256QAM	50	24	15.76	15.65	15.90	15.74	15.83	16.7	0		
20	256QAM	50	50	15.70	15.75	15.88	15.75	15.84	16.7	0		
20	256QAM	100	0	15.83	15.79	15.86	15.81	15.84	16.7	0		
Channel												
Frequency (MHz)				39725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	15.78	15.66	15.91	15.75	15.87	16.7	0		
15	QPSK	1	37	15.82	15.64	15.73	15.74	15.70	16.7	0		
15	QPSK	1	74	15.63	15.67	15.71	15.70	15.74	16.7	0		
15	QPSK	36	0	15.69	15.73	15.88	15.73	15.80	16.7	0		
15	QPSK	36	20	15.61	15.68	15.73	15.82	15.73	16.7	0		
15	QPSK	36	39	15.79	15.63	15.72	15.69	15.66	16.7	0		
15	QPSK	36	50	15.78	15.64	15.74	15.78	15.78	16.7	0		
15	16QAM	1	0	15.58	15.56	15.80	15.69	15.64	16.7	0		
15	16QAM	1	37	15.76	15.66	15.72	15.71	15.70	16.7	0		
15	16QAM	1	74	15.70	15.65	15.74	15.61	15.60	16.7	0		
15	16QAM	36	0	15.66	15.62	15.89	15.76	15.82	16.7	0		
15	16QAM	36	20	15.81	15.74	15.87	15.78	15.69	16.7	0		
15	16QAM	36	39	15.68	15.56	15.72	15.65	15.71	16.7	0		
15	16QAM	75	0	15.58	15.78	15.69	15.73	15.81	16.7	0		
15	64QAM	1	0	15.71	15.71	15.83	15.68	15.82	16.7	0		
15	64QAM	1	37	15.64	15.58	15.86	15.75	15.68	16.7	0		
15	64QAM	1	74	15.68	15.58	15.81	15.76	15.78	16.7	0		
15	64QAM	36	0	15.66	15.64	15.82	15.66	15.69	16.7	0		
15	64QAM	36	20	15.70	15.77	15.82	15.70	15.67	16.7	0		
15	64QAM	36	39	15.66	15.60	15.76	15.66	15.67	16.7	0		
15	64QAM	75	0	15.81	15.61	15.73	15.78	15.75	16.7	0		
15	256QAM	1	0	15.78	15.68	15.83	15.77	15.71	16.7	0		
15	256QAM	1	37	15.82	15.71	15.80	15.70	15.71	16.7	0		
15	256QAM	1	74	15.63	15.64	15.76	15.63	15.81	16.7	0		
15	256QAM	36	0	15.74	15.65	15.86	15.74	15.82	16.7	0		
15	256QAM	36	20	15.66	15.62	15.84	15.64	15.82	16.7	0		
15	256QAM	36	39	15.59	15.65	15.85	15.72	15.82	16.7	0		
15	256QAM	75	0	15.73	15.71	15.83	15.66	15.75	16.7	0		
Channel												
Frequency (MHz)				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	15.83	15.63	15.89	15.81	15.78	16.7	0		
10	QPSK	1	25	15.66	15.69	15.87	15.77	15.81	16.7	0		
10	QPSK	1	49	15.75	15.68	15.71	15.73	15.74	16.7	0		
10	QPSK	25	0	15.77	15.62	15.88	15.81	15.86	16.7	0		
10	QPSK	25	12	15.76	15.63	15.74	15.70	15.62	16.7	0		
10	QPSK	25	25	15.77	15.52	15.67	15.64	15.71	16.7	0		
10	QPSK	50	0	15.75	15.66	15.77	15.77	15.78	16.7	0		
10	16QAM	1	0	15.67	15.59	15.82	15.69	15.61	16.7	0		
10	16QAM	1	25	15.77	15.67	15.71	15.72	15.76	16.7	0		
10	16QAM	1	49	15.76	15.59	15.86	15.74	15.68	16.7	0		
10	16QAM	25	0	15.67	15.64	15.86	15.70	15.77	16.7	0		
10	16QAM	25	12	15.83	15.69	15.75	15.71	15.82	16.7	0		
10	16QAM	25	25	15.71	15.57	15.72	15.72	15.69	16.7	0		
10	16QAM	50	0	15.62	15.57	15.76	15.65	15.79	16.7	0		
10	64QAM	1	0	15.81	15.78	15.82	15.65	15.84	16.7	0		
10	64QAM	1	25	15.76	15.61	15.85	15.76	15.75	16.7	0		
10	64QAM	1	49	15.71	15.60	15.67	15.75	15.74	16.7	0		
10	64QAM	25	0	15.65	15.53	15.79	15.65	15.64	16.7	0		
10	64QAM	25	12	15.66	15.70	15.81	15.76	15.65	16.7	0		
10	64QAM	25	25	15.71	15.64	15.81	15.78	15.65	16.7	0		
10	64QAM	50	0	15.81	15.58	15.75	15.75	15.76	16.7	0		
10	256QAM	1	0	15.79	15.71	15.75	15.68	15.70	16.7	0		
10	256QAM	1	25	15.81	15.61	15.78	15.69	15.68	16.7	0		
10	256QAM	1	49	15.62	15.62	15.76	15.83	15.78	16.7	0		
10	256QAM	25	0	15.71	15.69	15.81	15.72	15.73	16.7	0		
10	256QAM	25	12	15.68	15.62	15.83	15.65	15.77	16.7	0		
10	256QAM	25	25	15.66	15.63	15.82	15.70	15.77	16.7	0		
10	256QAM	50	0	15.72	15.66	15.81	15.72	15.80	16.7	0		
Channel												
Frequency (MHz)				39675	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	15.76	15.67	15.83	15.77	15.79	16.7	0		
5	QPSK	1	12	15.65	15.67	15.86	15.71	15.63	16.7	0		
5	QPSK	1	24	15.72	15.77	15.72	15.75	15.75	16.7	0		
5	QPSK	12	0	15.79	15.70	15.83	15.82	15.73	16.7	0		
5	QPSK	12	7	15.67	15.68	15.84	15.79	15.69	16.7	0		
5	QPSK	12	13	15.68	15.53	15.70	15.65	15.79	16.7	0		
5	QPSK	25	0	15.81	15.65	15.83	15.76	15.74	16.7	0		
5	16QAM	1	0	15.71	15.67	15.85	15.77	15.74	16.7	0		
5	16QAM	1	24	15.72	15.66	15.69	15.76	15.77	16.7	0		
5	16QAM	1	24	15.67	15.61	15.66	15.70	15.77	16.7	0		
5	16QAM	12	0	15.58	15.60	15.81	15.75	15.74	16.7	0		
5	16QAM	12	7	15.80	15.65	15.81	15.79	15.73	16.7	0		
5	16QAM	12	13	15.64	15.52	15.72	15.70	15.72	16.7	0		
5	16QAM	25	0	15.68	15.76	15.73	15.62	15.77	16.7	0		
5	64QAM	1	0	15.67	15.65	15.76	15.65	15.82	16.7	0		
5	64QAM	1	12	15.70	15.56	15.82	15.64	15.77	16.7	0		
5	64QAM	1	24	15.80	15.60	15.81	15.75	15.76	16.7	0		
5	64QAM	12	0	15.66	15.84	15.76	15.75	15.75	16.7	0		
5	64QAM	12	13	15.60	15.77	15.74	15.77	15.74	16.7	0		
5	64QAM	12	13	15.71	15.65	15.75	15.72	15.67	16.7	0		
5	64QAM	25	0	15.77	15.50	15.77	15.62	15.75	16.7	0		
5	256QAM	1	0	15.71	15.72	15.77	15.77	15.78	16.7	0		
5	256QAM	1	12	15.72	15.60	15.78	15.80	15.72	16.7	0		
5	256QAM	1	24	15.61	15.63	15.76	15.81	15.76	16.7	0		
5	256QAM	12	0	15.61	15.63	15.78	15.65	15.68	16.7	0		
5	256QAM	12	7	15.68	15.57	15.81	15.75	15.79	16.7	0		
5	256QAM	12	13	15.60	15.60	15.85	15.70	15.73	16.7	0		
5	256QAM	25	0	15.81	15.72	15.73	15.75	15.75	16.7	0		

CA_7C_Ant 5											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (db)	Power Reduction	Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	24.35	25.00
21100	21298	QPSK	1	0	0	0	1	0	Full	24.40	25.00
21350	21152	QPSK	1	0	0	0	1	0	Full	24.33	25.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 5	24.35	25.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	24.40	25.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	24.33	25.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 10	24.35	25.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	24.40	25.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	24.33	25.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	18.74	19.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	18.82	19.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	18.77	19.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 8	18.74	19.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	18.82	19.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	18.77	19.50

CA_7C_Ant 6											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	23.68	24.50
21100	21298	QPSK	1	0	0	0	1	0	Full	23.79	24.50
21350	21152	QPSK	1	0	0	0	1	0	Full	23.75	24.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 5	15.50	16.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	15.60	16.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	15.49	16.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 10	14.42	15.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	14.60	15.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	14.55	15.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	18.70	19.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	18.80	19.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	18.77	19.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 8	16.30	17.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	16.50	17.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	16.38	17.50

CA_7C_Ant 11											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	23.83	24.40
21100	21298	QPSK	1	0	0	0	1	0	Full	23.89	24.40
21350	21152	QPSK	1	0	0	0	1	0	Full	23.80	24.40
20850	21048	QPSK	1	0	0	0	1	0	ECI 5	16.70	17.40
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	16.78	17.40
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	16.74	17.40
20850	21048	QPSK	1	0	0	0	1	0	ECI 10	15.80	16.40
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	15.87	16.40
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	15.78	16.40
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	18.72	19.40
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	18.79	19.40
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	18.75	19.40
20850	21048	QPSK	1	0	0	0	1	0	ECI 8	16.70	17.40
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	16.78	17.40
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	16.74	17.40

CA_7C_Ant 7											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	19.30	21.00
21100	21298	QPSK	1	0	0	0	1	0	Full	19.72	21.00
21350	21152	QPSK	1	0	0	0	1	0	Full	19.96	21.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 5	15.85	17.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	16.25	17.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	16.40	17.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 10	13.87	15.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	14.26	15.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	14.52	15.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	19.30	21.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	19.72	21.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	19.96	21.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 8	17.45	19.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	17.97	19.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	18.23	19.00

CA_38C_Ant 5											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	24.35	25.00
37901	38099	QPSK	1	0	0	0	1	0	Full	24.42	25.00
38150	37952	QPSK	1	0	0	0	1	0	Full	24.30	25.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 5	24.35	25.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 5	24.42	25.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 5	24.30	25.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 10	24.35	25.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 10	24.42	25.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 10	24.30	25.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 3	20.74	21.50
37901	38099	QPSK	1	0	0	0	1	0	ECI 3	20.81	21.50
38150	37952	QPSK	1	0	0	0	1	0	ECI 3	20.77	21.50
37850	38048	QPSK	1	0	0	0	1	0	ECI 8	20.74	21.50
37901	38099	QPSK	1	0	0	0	1	0	ECI 8	20.81	21.50
38150	37952	QPSK	1	0	0	0	1	0	ECI 8	20.77	21.50

CA_38C_Ant 6											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	23.72	24.40
37901	38099	QPSK	1	0	0	0	1	0	Full	23.80	24.40
38150	37952	QPSK	1	0	0	0	1	0	Full	23.69	24.40
37850	38048	QPSK	1	0	0	0	1	0	ECI 5	17.77	18.40
37901	38099	QPSK	1	0	0	0	1	0	ECI 5	17.83	18.40
38150	37952	QPSK	1	0	0	0	1	0	ECI 5	17.69	18.40
37850	38048	QPSK	1	0	0	0	1	0	ECI 10	17.18	17.90
37901	38099	QPSK	1	0	0	0	1	0	ECI 10	17.20	17.90
38150	37952	QPSK	1	0	0	0	1	0	ECI 10	17.15	17.90
37850	38048	QPSK	1	0	0	0	1	0	ECI 3	19.72	20.40
37901	38099	QPSK	1	0	0	0	1	0	ECI 3	19.76	20.40
38150	37952	QPSK	1	0	0	0	1	0	ECI 3	19.69	20.40
37850	38048	QPSK	1	0	0	0	1	0	ECI 8	18.15	18.90
37901	38099	QPSK	1	0	0	0	1	0	ECI 8	18.22	18.90
38150	37952	QPSK	1	0	0	0	1	0	ECI 8	18.18	18.90

CA_38C_Ant 11											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	24.00	24.40
37901	38099	QPSK	1	0	0	0	1	0	Full	24.05	24.40
38150	37952	QPSK	1	0	0	0	1	0	Full	23.97	24.40
37850	38048	QPSK	1	0	0	0	1	0	ECI 5	15.30	15.90
37901	38099	QPSK	1	0	0	0	1	0	ECI 5	15.38	15.90
38150	37952	QPSK	1	0	0	0	1	0	ECI 5	15.28	15.90
37850	38048	QPSK	1	0	0	0	1	0	ECI 10	14.77	15.40
37901	38099	QPSK	1	0	0	0	1	0	ECI 10	14.83	15.40
38150	37952	QPSK	1	0	0	0	1	0	ECI 10	14.75	15.40
37850	38048	QPSK	1	0	0	0	1	0	ECI 3	19.85	20.40
37901	38099	QPSK	1	0	0	0	1	0	ECI 3	19.96	20.40
38150	37952	QPSK	1	0	0	0	1	0	ECI 3	19.88	20.40
37850	38048	QPSK	1	0	0	0	1	0	ECI 8	18.16	18.90
37901	38099	QPSK	1	0	0	0	1	0	ECI 8	18.24	18.90
38150	37952	QPSK	1	0	0	0	1	0	ECI 8	18.20	18.90

n2_Ant 5									
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	22.91	22.92	22.91	24.2	0.0	
20	Pl2 BPSK	1	53	22.96	22.93	22.84			
20	Pl2 BPSK	1	104	22.78	22.89	22.83			
20	Pl2 BPSK	50	0	22.31	22.42	22.32	23.7	0.5	
20	Pl2 BPSK	50	28	22.86	22.92	22.87	24.2	0.0	
20	Pl2 BPSK	50	56	22.36	22.38	22.35			
20	Pl2 BPSK	100	0	22.38	22.43	22.32	23.7	0.5	
20	QPSK	1	1	22.87	22.96	22.93			
20	QPSK	1	53	22.77	22.87	22.83	24.2	0.0	
20	QPSK	1	104	22.75	22.86	22.72			
20	QPSK	50	0	22.28	22.40	22.28	23.7	0.5	
20	QPSK	50	28	22.83	22.89	22.85	24.2	0.0	
20	QPSK	50	56	22.33	22.36	22.30			
20	QPSK	100	0	22.34	22.37	22.27	23.7	0.5	
20	16QAM	1	1	22.17	22.18	22.09	23.2	1.0	
20	64QAM	1	1	21.72	21.78	21.67	22.7	1.5	
20	256QAM	1	1	21.24	21.32	21.30	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	22.83	22.89	22.90	24.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905			
10	QPSK	1	1	22.81	22.84	22.85	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	22.74	22.87	22.83	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	22.69	22.75	22.69	23.8	0.0	
20	Pl2 BPSK	1	53	22.66	22.72	22.64			
20	Pl2 BPSK	1	104	22.63	22.70	22.55			
20	Pl2 BPSK	50	0	22.17	22.24	22.22	23.3	0.5	
20	Pl2 BPSK	50	28	22.70	22.74	22.65	23.8	0.0	
20	Pl2 BPSK	50	56	22.20	22.22	22.09			
20	Pl2 BPSK	100	0	22.10	22.24	22.18	23.3	0.5	
20	QPSK	1	1	22.73	22.78	22.68			
20	QPSK	1	53	22.60	22.70	22.68	23.8	0.0	
20	QPSK	1	104	22.66	22.67	22.60			
20	QPSK	50	0	22.13	22.20	22.08	23.3	0.5	
20	QPSK	50	28	22.57	22.69	22.64	23.8	0.0	
20	QPSK	50	56	21.99	22.13	22.06			
20	QPSK	100	0	22.07	22.16	22.06	23.3	0.5	
20	16QAM	1	1	21.93	21.99	21.94	22.8	1.0	
20	64QAM	1	1	21.57	21.58	21.48	22.3	1.5	
20	256QAM	1	1	21.04	21.15	21.02	21.8	2.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1902.5			
15	QPSK	1	1	22.58	22.70	22.56	23.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905			
10	QPSK	1	1	22.70	22.70	22.61	23.8	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1907.5			
5	QPSK	1	1	22.60	22.72	22.57	23.8	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	24.32	24.40	24.25	25.7	0.0	
20	Pl2 BPSK	1	53	24.31	24.41	24.33			
20	Pl2 BPSK	1	104	24.29	24.39	24.36			
20	Pl2 BPSK	50	0	23.95	24.02	23.99	25.2	0.5	
20	Pl2 BPSK	50	28	24.40	24.45	24.48	25.7	0.0	
20	Pl2 BPSK	50	56	23.87	23.95	23.82			
20	Pl2 BPSK	100	0	23.90	24.03	23.90	25.2	0.5	
20	QPSK	1	1	24.44	24.50	24.46			
20	QPSK	1	53	24.32	24.38	24.33	25.7	0.0	
20	QPSK	1	104	24.31	24.33	24.32			
20	QPSK	50	0	23.88	23.98	23.86	25.2	0.5	
20	QPSK	50	28	24.47	24.48	24.35	25.7	0.0	
20	QPSK	50	56	23.87	23.95	23.86			
20	QPSK	100	0	23.81	23.89	23.84	25.2	0.5	
20	16QAM	1	1	23.52	23.62	23.50	24.7	1.0	
20	64QAM	1	1	23.17	23.18	23.05	24.2	1.5	
20	256QAM	1	1	22.66	22.77	22.66	23.7	2.0	
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.31	24.36	24.43	25.7	0.0	
Channel				165800	167500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.41	24.42	24.32	25.7	0.0	
Channel				165300	167500	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.31	24.48	24.45	25.7	0.0	

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50400	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 51000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	23.90	23.95	23.82	25.3	0.0
20	PI2 BPSK	1	53	23.91	23.91	23.87		
20	PI2 BPSK	1	104	23.85	23.98	23.86		
20	PI2 BPSK	50	0	23.60	23.61	23.52	24.8	0.5
20	PI2 BPSK	50	28	23.79	23.62	23.89	25.3	0.0
20	PI2 BPSK	50	56	23.52	23.55	23.52	24.8	0.5
20	PI2 BPSK	100	0	23.48	23.57	23.42		
20	QPSK	1	1	23.98	24.07	23.91	25.3	0.0
20	QPSK	1	53	23.82	23.97	23.87		
20	QPSK	1	104	23.90	23.94	23.84		
20	QPSK	50	0	23.40	23.53	23.43	24.8	0.5
20	QPSK	50	28	23.98	24.08	23.94	25.3	0.0
20	QPSK	50	56	23.38	23.50	23.46	24.8	0.5
20	QPSK	100	0	23.44	23.52	23.46		
20	16QAM	1	1	23.13	23.16	23.04	24.3	1.0
20	64QAM	1	1	22.67	22.73	22.61	23.8	1.5
20	256QAM	1	1	22.37	22.38	22.26	23.3	2.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.83	23.94	23.80	25.3	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.83	23.97	23.77	25.3	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.84	23.96	23.81	25.3	0.0

n7_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50400	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 51000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	24.04	24.15	24.00	25.4	0.0
40	PI2 BPSK	1	108	24.04	24.13	24.09		
40	PI2 BPSK	1	214	24.10	24.20	24.14		
40	PI2 BPSK	108	0	23.60	23.70	23.67	24.9	0.5
40	PI2 BPSK	108	54	24.03	24.08	23.96	25.4	0.0
40	PI2 BPSK	108	108	23.59	23.71	23.69	24.9	0.5
40	PI2 BPSK	216	0	23.54	23.61	23.58		
40	QPSK	1	1	24.10	24.22	24.16	25.4	0.0
40	QPSK	1	108	24.05	24.14	23.99		
40	QPSK	1	214	24.18	24.20	24.15		
40	QPSK	108	0	23.49	23.56	23.53	24.9	0.5
40	QPSK	108	54	23.95	24.10	23.97	25.4	0.0
40	QPSK	108	108	23.58	23.59	23.48	24.9	0.5
40	QPSK	216	0	23.48	23.53	23.46		
40	16QAM	1	1	23.24	23.28	23.20	24.4	1.0
40	64QAM	1	1	22.89	22.90	22.83	23.9	1.5
40	256QAM	1	1	22.26	22.39	22.29	23.4	2.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.17	24.18	24.05	25.4	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.17	24.07	24.11	25.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.06	24.09	24.03	25.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.05	24.08	24.07	25.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.17	24.20	24.14	25.4	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	24.17	24.19	24.14	25.4	0.0

n7_Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 50400	Power Middle Ch. Freq. 50700	Power High Ch. Freq. 51000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	23.58	23.72	23.67	24.9	0.0
40	PI2 BPSK	1	108	23.68	23.75	23.62		
40	PI2 BPSK	1	214	23.65	23.76	23.65		
40	PI2 BPSK	108	0	23.11	23.21	23.10	24.4	0.5
40	PI2 BPSK	108	54	23.62	23.76	23.65	24.9	0.0
40	PI2 BPSK	108	108	23.05	23.20	23.17	24.4	0.5
40	PI2 BPSK	216	0	23.12	23.14	23.03		
40	QPSK	1	1	23.76	23.78	23.71	24.9	0.0
40	QPSK	1	108	23.58	23.73	23.69		
40	QPSK	1	214	23.67	23.67	23.62		
40	QPSK	108	0	23.10	23.14	22.99	24.4	0.5
40	QPSK	108	54	23.69	23.72	23.67	24.9	0.0
40	QPSK	108	108	23.05	23.16	23.10	24.4	0.5
40	QPSK	216	0	23.07	23.11	23.08		
40	16QAM	1	1	22.80	22.94	22.89	23.9	1.0
40	64QAM	1	1	22.34	22.47	22.35	23.4	1.5
40	256QAM	1	1	21.92	21.98	21.88	22.9	2.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.63	23.67	23.57	24.9	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.73	23.73	23.69	24.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.73	23.63	23.60	24.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.69	23.69	23.69	24.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.70	23.71	23.59	24.9	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.72	23.72	23.60	24.9	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	23.80	23.85	23.75		24.8	
40	Pl2 BPSK	1	108	23.30	23.84	23.87			
40	Pl2 BPSK	1	214	23.89	23.92	23.88			
40	Pl2 BPSK	108	0	23.25	23.36	23.31	24.3	0.5	
40	Pl2 BPSK	108	54	23.86	23.92	23.91	24.8	0.0	
40	Pl2 BPSK	108	108	23.35	23.37	23.23	24.3	0.5	
40	Pl2 BPSK	216	0	23.21	23.33	23.25	24.3		
40	QPSK	1	1	23.92	23.96	23.94			
40	QPSK	1	108	23.87	23.92	23.85	24.8	0.0	
40	QPSK	1	214	23.79	23.90	23.85			
40	QPSK	108	0	23.21	23.33	23.26	24.3	0.5	
40	QPSK	108	54	23.78	23.84	23.71	24.8	0.0	
40	QPSK	108	108	23.32	23.35	23.23	24.3	0.5	
40	QPSK	216	0	23.16	23.26	23.26	24.3		
40	16QAM	1	1	23.00	23.08	23.00	24.3	0.5	
40	64QAM	1	1	22.56	22.64	22.52	23.3	1.5	
40	256QAM	1	1	22.01	22.11	22.02	22.8	2.0	
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.85	23.87	23.93	24.8	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.50	23.81	23.81	24.8	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.85	23.82	23.90	24.8	0.0	
Channel				512000	512000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.86	23.85	23.81	24.8	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2495	2495	2495			
10	QPSK	1	1	23.79	23.89	23.82	24.8	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.50	23.55	23.93	24.8	0.0	

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	19.97	20.12	20.09		21.4	
40	Pl2 BPSK	1	108	19.93	20.05	19.91	21.4	0.0	
40	Pl2 BPSK	1	214	20.13	20.12	20.10			
40	Pl2 BPSK	108	0	19.37	19.44	19.36	20.9	0.5	
40	Pl2 BPSK	108	54	20.04	20.07	19.94	21.4	0.0	
40	Pl2 BPSK	108	108	19.51	19.60	19.48	20.9	0.5	
40	Pl2 BPSK	216	0	19.35	19.47	19.39	20.9		
40	QPSK	1	1	20.05	20.18	20.11			
40	QPSK	1	108	19.96	20.15	20.03	21.4	0.0	
40	QPSK	1	214	20.03	20.15	20.06			
40	QPSK	108	0	19.31	19.40	19.38	20.9	0.5	
40	QPSK	108	54	20.02	20.03	20.00	21.4	0.0	
40	QPSK	108	108	19.44	19.57	19.49	20.9	0.5	
40	QPSK	216	0	19.42	19.45	19.34	20.9		
40	16QAM	1	1	18.91	19.03	19.01	19.9	0.5	
40	64QAM	1	1	18.53	18.57	18.47	19.9	1.5	
40	256QAM	1	1	18.03	18.10	18.01	19.4	2.0	
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.03	20.10	20.03	21.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.98	20.05	19.96	21.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	20.05	20.09	19.97	21.4	0.0	
Channel				512000	512000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.98	20.04	20.06	21.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2495	2495	2495			
10	QPSK	1	1	19.96	20.14	20.04	21.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.97	20.08	20.06	21.4	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	22.46	22.58	22.45			
15	Pl2 BPSK	1	40	22.60	22.66	22.56	24.2	0.0	
15	Pl2 BPSK	1	77	22.62	22.69	22.59			
15	Pl2 BPSK	36	0	22.15	22.26	22.25	23.7	0.5	
15	Pl2 BPSK	36	22	22.64	22.74	22.71	24.2	0.0	
15	Pl2 BPSK	36	43	22.19	22.25	22.16	23.7	0.5	
15	Pl2 BPSK	75	0	22.20	22.26	22.19	23.7		
15	QPSK	1	1	22.58	22.77	22.75			
15	QPSK	1	40	22.62	22.66	22.62	24.2	0.0	
15	QPSK	1	77	22.60	22.69	22.57			
15	QPSK	36	0	22.19	22.27	22.18	23.7	0.5	
15	QPSK	36	22	22.74	22.75	22.72	24.2	0.0	
15	QPSK	36	43	22.22	22.25	22.23	23.7	0.5	
15	QPSK	75	0	22.20	22.26	22.16	23.7		
15	16QAM	1	1	21.84	21.90	21.84	23.2	1.0	
15	64QAM	1	1	21.35	21.45	21.35	22.7	1.5	
15	256QAM	1	1	21.05	21.17	21.11	22.2	2.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.55	22.62	22.73	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	22.53	22.67	22.62	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)				21.97	22.09	21.98			
15	Pl2 BPSK	1	1	22.02	22.10	21.98			
15	Pl2 BPSK	1	40	22.02	22.10	21.98			
15	Pl2 BPSK	1	77	22.06	22.08	21.95	23.3	0.5	
15	Pl2 BPSK	36	0	21.63	21.73	21.70			
15	Pl2 BPSK	36	22	22.05	22.15	22.07			
15	Pl2 BPSK	36	43	21.50	21.64	21.49			
15	Pl2 BPSK	75	0	21.64	21.71	21.66	23.8	0.0	
15	QPSK	1	1	22.01	22.16	22.10			
15	QPSK	1	40	21.99	22.12	22.08			
15	QPSK	1	77	21.95	22.10	22.03			
15	QPSK	36	0	21.63	21.72	21.65	23.3	0.5	
15	QPSK	36	22	22.11	22.16	22.15			
15	QPSK	36	43	21.51	21.66	21.63			
15	QPSK	75	0	21.51	21.64	21.58			
15	16QAM	1	1	21.51	21.35	21.27	22.8	1.0	
15	64QAM	1	1	20.87	20.95	20.82			
15	256QAM	1	1	20.58	20.62	20.54			
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)		
10	QPSK	1	1	21.90	22.12	21.97	23.8	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)		
5	QPSK	1	1	21.34	22.07	22.01	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	25.7	0.0	
Frequency (MHz)				24.32	24.38	24.27			
20	Pl2 BPSK	1	1	24.29	24.39	24.24			
20	Pl2 BPSK	1	53	24.29	24.39	24.24			
20	Pl2 BPSK	1	104	24.39	24.40	24.36	25.2	0.5	
20	Pl2 BPSK	50	0	23.89	23.97	23.90			
20	Pl2 BPSK	50	28	24.34	24.42	24.39			
20	Pl2 BPSK	50	56	23.94	24.00	23.93			
20	Pl2 BPSK	100	0	23.85	23.97	23.90	25.2	0.5	
20	QPSK	1	1	24.44	24.51	24.38			
20	QPSK	1	53	24.32	24.35	24.30			
20	QPSK	1	104	24.25	24.39	24.37			
20	QPSK	50	0	23.86	23.92	23.85	25.2	0.5	
20	QPSK	50	28	24.43	24.45	24.33			
20	QPSK	50	56	23.90	23.96	23.95			
20	QPSK	100	0	23.86	23.91	23.89			
20	16QAM	1	1	23.94	23.67	23.60	24.7	1.0	
20	64QAM	1	1	23.14	23.24	23.10			
20	256QAM	1	1	22.67	22.82	22.73			
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)		
15	QPSK	1	1	24.30	24.43	24.26	25.7	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)		
10	QPSK	1	1	24.31	24.42	24.30	25.7	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)		
5	QPSK	1	1	24.39	24.30	24.25	25.7	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	25.3	0.0	
Frequency (MHz)				24.06	24.10	23.98			
20	Pl2 BPSK	1	1	24.14	24.15	24.12			
20	Pl2 BPSK	1	53	24.14	24.15	24.12			
20	Pl2 BPSK	1	104	23.92	24.05	24.12	24.8	0.5	
20	Pl2 BPSK	50	0	23.61	23.75	23.72			
20	Pl2 BPSK	50	28	24.02	24.12	24.11			
20	Pl2 BPSK	50	56	23.67	23.80	23.71			
20	Pl2 BPSK	100	0	23.67	23.78	23.70	25.3	0.0	
20	QPSK	1	1	24.07	24.16	24.10			
20	QPSK	1	53	24.00	24.13	24.07			
20	QPSK	1	104	24.03	24.15	24.08			
20	QPSK	50	0	23.61	23.70	23.65	24.8	0.5	
20	QPSK	50	28	23.99	24.05	24.00			
20	QPSK	50	56	23.67	23.74	23.66			
20	QPSK	100	0	23.66	23.70	23.69			
20	16QAM	1	1	23.37	23.46	23.40	24.3	1.0	
20	64QAM	1	1	22.91	22.98	22.87			
20	256QAM	1	1	22.53	22.65	22.63			
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)		
15	QPSK	1	1	23.92	24.14	24.06	25.3	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)		
10	QPSK	1	1	23.95	24.14	24.09	25.3	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)		
5	QPSK	1	1	23.97	24.05	24.06	25.3	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	24.10	24.20	24.08	25.4	0.0	
40	Pl2 BPSK	1	108	23.13	24.23	24.20			
40	Pl2 BPSK	1	214	23.94	24.08	23.99			
40	Pl2 BPSK	108	0	23.74	23.80	23.74	24.9	0.5	
40	Pl2 BPSK	108	54	24.14	24.22	24.07	25.4	0.0	
40	Pl2 BPSK	108	108	23.61	23.75	23.71			
40	Pl2 BPSK	216	0	23.68	23.76	23.71	24.9	0.5	
40	QPSK	1	1	24.18	24.26	24.20			
40	QPSK	1	108	24.16	24.25	24.15	25.4	0.0	
40	QPSK	1	214	24.09	24.13	24.07			
40	QPSK	108	0	22.95	22.98	22.93	24.4	1.0	
40	QPSK	108	54	24.05	24.20	24.06	25.4	0.0	
40	QPSK	108	108	22.93	22.91	22.98			
40	QPSK	216	0	22.96	23.00	22.98	24.4	1.0	
40	16QAM	1	1	23.30	23.38	23.28	24.4	1.0	
40	64QAM	1	1	22.82	22.88	22.87	23.9	1.5	
40	256QAM	1	1	22.50	22.51	22.41	23.4	2.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.07	24.12	24.09	25.4	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1740	1760			
20	QPSK	1	1	24.10	24.23	24.15	25.4	0.0	
Channel				343000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.08	24.18	24.06	25.4	0.0	
Channel				342000	347000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	24.10	24.20	24.06	25.4	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.09	24.20	24.18	25.4	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	23.97	23.98	23.94	24.8	0.0	
40	Pl2 BPSK	1	108	23.86	24.04	23.90			
40	Pl2 BPSK	1	214	23.77	23.86	23.71			
40	Pl2 BPSK	108	0	23.55	23.58	23.48	24.1	0.5	
40	Pl2 BPSK	108	54	23.83	23.98	23.93	24.6	0.0	
40	Pl2 BPSK	108	108	23.46	23.52	23.42			
40	Pl2 BPSK	216	0	23.53	23.55	23.42	24.1	0.5	
40	QPSK	1	1	24.05	24.06	23.96			
40	QPSK	1	108	23.91	23.98	23.88	24.6	0.0	
40	QPSK	1	214	23.71	23.81	23.66			
40	QPSK	108	0	22.42	22.54	22.47	23.8	1.0	
40	QPSK	108	54	23.71	23.84	23.76	24.6	0.0	
40	QPSK	108	108	22.24	22.39	22.36			
40	QPSK	216	0	22.34	22.44	22.42	23.6	1.0	
40	16QAM	1	1	22.97	23.12	22.98	23.8	1.0	
40	64QAM	1	1	22.59	22.62	22.60	23.1	1.5	
40	256QAM	1	1	22.18	22.28	22.21	22.6	2.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.04	23.94	23.88	24.8	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1740	1760			
20	QPSK	1	1	23.94	23.96	23.86	24.6	0.0	
Channel				343000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.02	23.91	23.93	24.6	0.0	
Channel				342000	347000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.97	23.93	23.87	24.6	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.02	24.00	23.90	24.6	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
40	Pl2 BPSK	1	1	23.59	23.74	23.61	24.8	0.0	
40	Pl2 BPSK	1	108	23.66	23.77	23.73			
40	Pl2 BPSK	1	214	23.64	23.65	23.52			
40	Pl2 BPSK	108	0	23.22	23.27	23.13	24.3	0.5	
40	Pl2 BPSK	108	54	23.70	23.72	23.68	24.8	0.0	
40	Pl2 BPSK	108	108	23.19	23.23	23.13			
40	Pl2 BPSK	216	0	23.21	23.25	23.11	24.3	0.5	
40	QPSK	1	1	23.75	23.78	23.64			
40	QPSK	1	108	23.74	23.75	23.63	24.8	0.0	
40	QPSK	1	214	23.64	23.66	23.57			
40	QPSK	108	0	22.31	22.35	22.20	23.8	1.0	
40	QPSK	108	54	23.59	23.68	23.54	24.8	0.0	
40	QPSK	108	108	22.32	22.33	22.35			
40	QPSK	216	0	22.31	22.35	22.33	23.8	1.0	
40	16QAM	1	1	22.80	22.82	22.84	23.8	1.0	
40	64QAM	1	1	22.36	22.42	22.37	23.3	1.5	
40	256QAM	1	1	21.86	22.01	21.99	22.8	2.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.73	23.77	23.62	24.8	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1740	1760			
20	QPSK	1	1	23.94	23.63	23.59	24.8	0.0	
Channel				343000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.65	23.71	23.60	24.8	0.0	
Channel				342000	347000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.70	23.74	23.63	24.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.63	23.77	23.50	24.8	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	22.5	0.0
Frequency (MHz)				20.76	20.89	20.87		
40	PI2 BPSK	1	1	20.76	20.89	20.87		
40	PI2 BPSK	1	108	20.79	20.84	20.75	22.0	0.5
40	PI2 BPSK	1	214	20.67	20.72	20.62		
40	PI2 BPSK	108	0	20.38	20.43	20.30		
40	PI2 BPSK	108	54	20.74	20.87	20.74	22.5	0.0
40	PI2 BPSK	108	108	20.10	20.23	20.18		
40	PI2 BPSK	216	0	20.31	20.36	20.29		
40	QPSK	1	1	20.83	20.95	20.83	22.5	0.0
40	QPSK	1	108	20.78	20.90	20.86		
40	QPSK	1	214	20.65	20.76	20.74		
40	QPSK	108	0	19.50	19.52	19.51	21.5	1.0
40	QPSK	108	54	20.79	20.85	20.83		
40	QPSK	108	108	19.53	19.58	19.54		
40	QPSK	216	0	19.55	19.66	19.52	21.5	1.0
40	16QAM	1	1	20.17	20.18	20.11		
40	64QAM	1	1	19.66	19.72	19.67		
40	256QAM	1	1	19.25	19.30	19.24	20.5	2.0
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	22.5	0.0
30	QPSK	1	1	20.89	20.94	20.86		
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1740	1760	22.5	0.0
20	QPSK	1	1	20.78	20.86	20.88		
Channel				343500	346000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	22.5	0.0
15	QPSK	1	1	20.79	20.89	20.90		
Channel				343000	346000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	22.5	0.0
10	QPSK	1	1	20.84	20.90	20.89		
Channel				342500	346000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	22.5	0.0
5	QPSK	1	1	20.86	20.87	20.79		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl/2 BPSK	1	1	24.08	24.18	24.04	25.4	0.0	
40	Pl/2 BPSK	1	53	24.00	24.01	23.96			
40	Pl/2 BPSK	1	104	24.09	24.15	24.07			
40	Pl/2 BPSK	50	0	23.42	23.56	23.53	24.9	0.5	
40	Pl/2 BPSK	50	28	24.03	24.05	24.01	25.4	0.0	
40	Pl/2 BPSK	50	56	23.53	23.63	23.48	24.9	0.5	
40	Pl/2 BPSK	100	0	23.45	23.56	23.44			
40	QPSK	1	1	23.18	23.20	23.13			
40	QPSK	1	53	23.96	23.99	23.91	25.4	0.0	
40	QPSK	1	104	24.09	24.15	24.03	25.4	0.0	
40	QPSK	50	0	23.45	23.50	23.46			
40	QPSK	50	28	23.78	24.06	24.05			
40	QPSK	50	56	23.80	23.64	23.56	24.9	0.5	
40	QPSK	100	0	23.46	23.48	23.46			
40	16QAM	1	1	22.20	22.30	22.19	24.4	1.0	
40	64QAM	1	1	22.83	22.86	22.83	23.6	1.5	
40	256QAM	1	1	22.33	22.45	22.41	23.4	2.0	
Channel				517002	519000	520998	Tune-up limit (dBm)		
30	QPSK	1	1	24.11	24.11	24.08	25.4	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)		
20	QPSK	1	1	24.10	24.05	24.04	25.4	0.0	
Channel				515002	519000	522998	Tune-up limit (dBm)		
15	QPSK	1	1	24.13	24.16	24.03	25.4	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)		
10	QPSK	1	1	24.15	24.17	24.04	25.4	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2290.02	2295	2294.97			
40	PB2 BPSK	1	1	23.47	23.62	23.47	24.8	0.0	
40	PB2 BPSK	1	53	23.60	23.63	23.54			
40	PB2 BPSK	1	104	23.57	23.70	23.68			
40	PB2 BPSK	50	0	22.99	23.11	22.98	24.3	0.5	
40	PB2 BPSK	50	28	23.50	23.62	23.52	24.8	0.0	
40	PB2 BPSK	50	56	23.09	23.11	23.00	24.3	0.5	
40	PB2 BPSK	100	0	23.04	23.12	23.05			
40	QPSK	1	1	23.04	23.77	23.75			
40	QPSK	1	53	23.58	23.66	23.60	24.8	0.0	
40	QPSK	1	104	23.63	23.72	23.60	24.8	0.0	
40	QPSK	50	0	22.98	23.11	22.97			
40	QPSK	50	28	23.11	23.07	23.15			
40	QPSK	50	56	22.94	23.07	22.98	24.3	0.5	
40	QPSK	100	0	23.00	23.05	23.02			
40	16QAM	1	1	22.92	22.95	22.80	23.8	1.0	
40	64QAM	1	1	22.35	22.45	22.34	23.3	1.5	
40	256QAM	1	1	21.87	21.93	21.88	22.8	2.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.56	23.62	23.72	24.8	0.0	
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.63	23.70	23.71	24.8	0.0	
Channel				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.58	23.68	23.60	24.8	0.0	
Channel				514000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.56	23.64	23.65	24.8	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Base 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	23.68	23.75	23.65	24.8	0.0	
40	Pl/2 BPSK	1	53	23.68	23.78	23.63			
40	Pl/2 BPSK	1	104	23.74	23.85	23.82			
40	Pl/2 BPSK	50	0	23.16	23.23	23.09	24.3	0.5	
40	Pl/2 BPSK	50	28	23.67	23.77	23.69	24.8	0.0	
40	Pl/2 BPSK	50	56	23.28	23.36	23.35	24.3	0.5	
40	Pl/2 BPSK	100	0	23.11	23.24	23.21			
40	QPSK	1	1	23.75	23.80	23.84			
40	QPSK	1	53	23.74	23.84	23.83	24.8	0.0	
40	QPSK	1	104	23.75	23.88	23.78			
40	QPSK	50	0	23.23	23.25	23.20			
40	QPSK	50	28	23.78	23.85	23.75	24.3	0.0	
40	QPSK	50	56	23.33	23.38	23.31			
40	QPSK	100	0	23.21	23.32	23.22	24.3	0.5	
40	16QAM	1	1	22.98	23.09	23.03	23.8	1.0	
40	64QAM	1	1	22.54	22.64	22.49	23.3	1.5	
40	256QAM	1	1	22.08	22.19	22.08	22.8	2.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.63	23.81	23.82	24.8	0.0	
Channel									
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.74	23.85	23.75	24.8	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.60	23.85	23.82	24.8	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.68	23.75	23.71	24.8	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P22 BPSK	1	1	20.02	20.06	20.09			
40	P22 BPSK	1	53	20.01	20.14	20.02	21.6		0.0
40	P22 BPSK	1	104	20.15	20.20	20.12			
40	P22 BPSK	50	0	19.53	19.61	19.52	21.1		0.5
40	P22 BPSK	50	28	20.04	20.09	19.97	21.6		0.0
40	P22 BPSK	50	56	19.57	19.72	19.64	21.1		0.5
40	P22 BPSK	100	0	19.65	19.70	19.57			
40	QPSK	1	1	20.18	20.22	20.14			
40	QPSK	1	53	19.95	20.07	19.98	21.6		0.0
40	QPSK	1	104	20.06	20.20	20.10			
40	QPSK	50	0	19.65	19.66	19.68			
40	QPSK	50	28	20.10	20.15	20.07	21.6		0.0
40	QPSK	50	56	19.65	19.72	19.65			
40	QPSK	100	0	19.57	19.66	19.51	21.1		0.5
40	16QAM	1	1	19.44	19.50	19.47	20.6		1.0
40	64QAM	1	1	19.95	19.02	19.01	20.1		1.5
40	256QAM	1	1	19.38	18.82	18.43	19.8		2.0
Channel									
517002	516900	520988					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
2567.01	2565	2564.99					(dB)		
30	QPSK	1	1	20.11	20.12	20.12	21.6		0.0
Channel									
516930	516900	522000					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
2560	2555	2610					(dB)		
20	QPSK	1	1	20.17	20.09	20.01	21.6		0.0
Channel									
517552	516900	522596					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
2577.51	2595	2612.49					(dB)		
15	QPSK	1	1	20.03	20.13	20.04	21.6		0.0
Channel									
515004	516900	522996					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
2615.49	2594	2614.98					(dB)		
10	QPSK	1	1	20.16	20.07	20.06	21.6		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1	21.94	22.03	21.91			
100	P22 BPSK	1	137	22.00	22.06	22.02	23.2	0.0	
100	P22 BPSK	1	271	21.95	22.05	21.97			
100	P22 BPSK	135	0	21.94	22.01	21.88	23.2	0.0	
100	P22 BPSK	135	69	21.89	22.02	22.00	23.2	0.0	
100	P22 BPSK	135	138	21.92	22.05	21.95	23.2	0.0	
100	P22 BPSK	270	0	21.86	21.98	21.93			
100	QPSK	1	1	21.98	22.06	22.02			
100	QPSK	1	137	21.94	22.06	21.96	23.2	0.0	
100	QPSK	1	271	21.95	22.04	21.90			
100	QPSK	135	0	21.90	22.02	21.85			
100	QPSK	135	69	21.85	22.05	22.01	23.2	0.0	
100	QPSK	135	138	21.92	22.04	21.89			
100	QPSK	270	0	21.92	21.94	21.86	23.2	0.0	
100	16QAM	1	1	21.90	21.98	21.87	23.2	0.0	
100	64QAM	1	1	21.88	21.86	21.87	23.2	0.0	
100	256QAM	1	1	21.93	22.00	21.90	23.2	0.0	
Channel									
Frequency (MHz)				509200	518988	528996	Tune-up limit (dBm)	MPR (dB)	
				2541	2592.99	2544.98	(dB)		
90	QPSK	1	1	21.80	22.01	21.83	23.2	0.0	
Channel									
Frequency (MHz)				507204	518988	528996	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2592.99	2540.99	(dB)		
80	QPSK	1	1	21.83	21.96	21.89	23.2	0.0	
Channel									
Frequency (MHz)				505500	518988	527996	Tune-up limit (dBm)	MPR (dB)	
				2526	2592.99	2569.98	(dB)		
70	QPSK	1	1	21.90	21.98	21.92	23.2	0.0	
Channel									
Frequency (MHz)				504204	518988	532996	Tune-up limit (dBm)	MPR (dB)	
				2621.02	2592.99	2664.99	(dB)		
60	QPSK	1	1	21.83	22.07	22.00	23.2	0.0	
Channel									
Frequency (MHz)				503202	518988	534000	Tune-up limit (dBm)	MPR (dB)	
				2516.01	2592.99	2570	(dB)		
50	QPSK	1	1	21.87	21.94	22.00	23.2	0.0	
Channel									
Frequency (MHz)				501204	518988	535998	Tune-up limit (dBm)	MPR (dB)	
				2506.02	2592.99	2679.99	(dB)		
40	QPSK	1	1	21.89	22.09	22.01	23.2	0.0	
Channel									
Frequency (MHz)				499200	518988	537996	Tune-up limit (dBm)	MPR (dB)	
				2496	2592.99	2689.98	(dB)		
30	QPSK	1	1	21.84	22.04	21.94	23.2	0.0	
Channel									
Frequency (MHz)				499200	518988	537996	Tune-up limit (dBm)	MPR (dB)	
				2496	2592.99	2689.98	(dB)		
20	QPSK	1	1	21.80	22.00	21.87	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	P22 BPSK	1	1	25.03	25.12	24.98			
100	P22 BPSK	1	137	24.76	24.83	24.77	26.2	0.0	
100	P22 BPSK	1	271	24.85	25.02	24.96			
100	P22 BPSK	135	0	24.41	24.47	24.33	25.7	0.5	
100	P22 BPSK	135	69	24.87	25.02	24.99	26.2		
100	P22 BPSK	135	138	24.27	24.36	24.30		25.7	0.5
100	P22 BPSK	270	0	24.32	24.35	24.28			
100	QPSK	1	1	25.11	25.22	25.00			
100	QPSK	1	137	24.87	24.93	24.91	26.2	0.0	
100	QPSK	1	271	24.95	24.97	24.87			
100	QPSK	135	0	24.43	24.51	24.49			
100	QPSK	135	69	25.01	25.10	24.91	26.2	0.0	
100	QPSK	135	138	24.36	24.39	24.32			
100	QPSK	270	0	24.30	24.37	24.22	25.7	0.5	
100	16QAM	1	1	24.47	24.50	24.43	25.7	0.5	
100	64QAM	1	1	23.88	23.91	23.90	25.2	1.0	
100	256QAM	1	1	23.58	23.68	23.59	24.2	2.0	
Channel									
				506200	518988	528996			
				2541	2592.99	2544.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.14	25.18	25.19	25.2	0.0	
Channel									
				507204	518988	528996			
				2536.02	2592.99	2549.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	25.08	25.20	25.12	26.2	0.0	
Channel									
				508200	518988	528996			
				2526.00	2592.99	2569.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	25.08	25.20	25.10	26.2	0.0	
Channel									
				504204	518988	530988			
				2511.05	2592.99	2584.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	25.14	25.13	25.19	26.2	0.0	
Channel									
				503202	518988	534000			
				2518.01	2592.99	2570	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	25.07	25.10	25.09	26.2	0.0	
Channel									
				501204	518988	535988			
				2506.02	2592.99	2579.99	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	25.09	25.13	25.19	26.2	0.0	
Channel									
				501200	518988	537000			
				2496	2592.99	2569.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.08	25.12	25.10	26.2	0.0	
Channel									
				496200	518988	537986			
				2498.99	2592.99	2569.98	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	25.19	25.15	25.19	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				506002	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640.00			
100	Pi/2 BPSK	1	1	21.51	21.50	21.51	22.7	0.0	
100	Pi/2 BPSK	1	137	21.48	21.51	21.49			
100	Pi/2 BPSK	1	271	21.30	21.42	21.29			
100	Pi/2 BPSK	135	0	21.43	21.46	21.35	22.7	0.0	
100	Pi/2 BPSK	135	69	21.34	21.47	21.40	22.7	0.0	
100	Pi/2 BPSK	135	138	21.40	21.49	21.39	22.7	0.0	
100	Pi/2 BPSK	270	0	21.37	21.47	21.45			
100	QPSK	1	1	21.38	21.53	21.45			
100	QPSK	1	137	21.39	21.49	21.35	22.7	0.0	
100	QPSK	1	271	21.30	21.33	21.27			
100	QPSK	135	0	21.35	21.45	21.40			
100	QPSK	135	69	21.37	21.50	21.41	22.7	0.0	
100	QPSK	135	138	21.42	21.47	21.33			
100	QPSK	270	0	21.39	21.44	21.43			
100	16QAM	1	1	21.42	21.46	21.41	22.7	0.0	
100	64QAM	1	1	21.32	21.42	21.33	22.7	0.0	
100	256QAM	1	1	21.44	21.48	21.39	22.7	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR	
90	QPSK	1	1	21.42	21.41	21.31	22.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	21.45	21.41	21.34	22.7	0.0	
Channel				506200	518598	530000	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	21.40	21.49	21.31	22.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	21.33	21.41	21.33	22.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	21.35	21.33	21.40	22.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	21.36	21.51	21.44	22.7	0.0	
Channel				499200	518598	537998	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	21.35	21.43	21.36	22.7	0.0	
Channel				495200	518598	537998	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	21.42	21.50	21.37	22.7	0.0	

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)				506202	518598	528990			
100	Pi/2 BPSK	1	1	24.53	24.62	24.57	25.7	0.0	
100	Pi/2 BPSK	1	137	24.36	24.44	24.30			
100	Pi/2 BPSK	1	271	24.36	24.43	24.28			
100	Pi/2 BPSK	135	0	23.96	24.02	23.95	25.2	0.5	
100	Pi/2 BPSK	135	69	24.43	24.52	24.48	25.7	0.0	
100	Pi/2 BPSK	135	138	23.92	23.95	23.90	25.2	0.5	
100	Pi/2 BPSK	270	0	23.87	23.92	23.78			
100	QPSK	1	1	23.51	24.05	23.62			
100	QPSK	1	137	24.35	24.43	24.36	25.7	0.0	
100	QPSK	1	271	24.37	24.38	24.28			
100	QPSK	135	0	23.93	23.96	23.81			
100	QPSK	135	69	23.77	24.06	23.78	25.7	0.0	
100	QPSK	135	138	23.85	23.92	23.83			
100	QPSK	270	0	23.84	23.86	23.84			
100	16QAM	1	1	23.90	23.95	23.93	25.2	0.5	
100	64QAM	1	1	23.41	23.51	23.44	24.7	1.0	
100	256QAM	1	1	22.97	23.12	23.11	23.7	2.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	24.49	24.63	24.58	25.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	24.45	24.54	24.50	25.7	0.0	
Channel									
Frequency (MHz)				506200	518598	530000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	24.45	24.57	24.48	25.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	24.36	24.56	24.59	25.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	24.43	24.51	24.48	25.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	24.38	24.52	24.52	25.7	0.0	
Channel									
Frequency (MHz)				499200	518598	537998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	24.49	24.60	24.54	25.7	0.0	
Channel									
Frequency (MHz)				495200	518598	537998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	24.40	24.58	24.49	25.7	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)				505022	518598	528000	26.64		
100	Pi/2 BPSK	1	1	21.63	21.67	21.64	22.6	0.0	
100	Pi/2 BPSK	1	137	21.73	21.76	21.64			
100	Pi/2 BPSK	1	271	21.79	21.80	21.72			
100	Pi/2 BPSK	135	0	21.50	21.63	21.61	22.6	0.0	
100	Pi/2 BPSK	135	69	21.68	21.75	21.69			
100	Pi/2 BPSK	135	138	21.75	21.78	21.70			
100	Pi/2 BPSK	270	0	21.56	21.66	21.57	22.6	0.0	
100	QPSK	1	1	21.75	21.85	21.76			
100	QPSK	1	137	21.66	21.78	21.65			
100	QPSK	1	271	21.73	21.81	21.67	22.6	0.0	
100	QPSK	135	0	21.56	21.64	21.58			
100	QPSK	135	69	21.66	21.73	21.72			
100	QPSK	135	138	21.62	21.71	21.67	22.6	0.0	
100	QPSK	270	0	21.58	21.70	21.56			
100	16QAM	1	1	21.61	21.75	21.66			
100	64QAM	1	1	21.71	21.77	21.71	22.6	0.0	
100	256QAM	1	1	21.72	21.82	21.73	22.6	0.0	
Channel									
Frequency (MHz)				508000	518598	528998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.65	21.71	21.66	22.6	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.62	21.78	21.61	22.6	0.0	
Channel									
Frequency (MHz)				506200	518598	530000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	21.66	21.80	21.63	22.6	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	21.74	21.72	21.61	22.6	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	21.70	21.70	21.62	22.6	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	21.76	21.80	21.68	22.6	0.0	
Channel									
Frequency (MHz)				499200	518598	537998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.80	21.83	21.72	22.6	0.0	
Channel									
Frequency (MHz)				497200	518598	539998	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.64	21.74	21.63	22.6	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)				506202	518598	528990			
100	Pl2 BPSK	1	1	24.67	24.81	24.73	25.6	0.0	
100	Pl2 BPSK	1	137	24.53	24.67	24.68			
100	Pl2 BPSK	1	271	24.68	24.77	24.64			
100	Pl2 BPSK	135	0	24.05	24.17	24.04	25.1	0.5	
100	Pl2 BPSK	135	69	24.84	24.74	24.64	25.6	0.0	
100	Pl2 BPSK	135	138	24.19	24.21	24.11	25.1	0.5	
100	Pl2 BPSK	270	0	24.12	24.16	24.11			
100	QPSK	1	1	24.73	24.82	24.76			
100	QPSK	1	137	24.56	24.68	24.60	25.6	0.0	
100	QPSK	1	271	24.68	24.80	24.67			
100	QPSK	135	0	24.04	24.17	24.08			
100	QPSK	135	69	24.76	24.71	24.65	25.6	0.0	
100	QPSK	135	138	24.16	24.18	24.13			
100	QPSK	270	0	24.00	24.08	23.97			
100	16QAM	1	1	23.96	23.89	23.82	25.1	0.5	
100	64QAM	1	1	23.41	23.48	23.46	24.6	1.0	
100	256QAM	1	1	23.16	23.17	23.05	23.6	2.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	24.15	24.72	24.69	25.6	0.0	
Channel									
Frequency (MHz)				2541	2562.99	2643.98			
80	QPSK	1	1	24.73	24.72	24.69	25.6	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2536.02	2562.99	2649.99	25.6	0.0	
Channel									
Frequency (MHz)				2526	2592.99	2659.98			
70	QPSK	1	1	24.62	24.81	24.67	25.6	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	24.62	24.79	24.75	25.6	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2316.01	2562.99	2670	25.6	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2506.02	2562.99	2679.99	25.6	0.0	
Channel									
Frequency (MHz)				2459	2471	2469	25.6	0.0	
30	QPSK	1	1	24.81	24.70	24.75	25.6	0.0	
Channel									
Frequency (MHz)				49630	518598	537996	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	24.00	24.73	24.64	25.6	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				506020	518598	528900			
100	Pl2 BPSK	1	1	17.88	17.90	17.75			
100	Pl2 BPSK	1	137	17.96	18.09	17.97	19.2	0.0	
100	Pl2 BPSK	1	271	18.08	18.11	18.13			
100	Pl2 BPSK	135	0	18.00	18.07	18.01	19.2	0.0	
100	Pl2 BPSK	135	69	18.07	18.12	18.09	19.2	0.0	
100	Pl2 BPSK	135	138	18.03	18.10	18.11	19.2	0.0	
100	Pl2 BPSK	270	0	17.99	18.13	18.10			
100	QPSK	1	1	18.12	18.15	18.05	19.2	0.0	
100	QPSK	1	137	18.06	18.10	18.04	19.2	0.0	
100	QPSK	1	271	18.02	18.12	18.01			
100	QPSK	135	0	17.98	18.04	17.93			
100	QPSK	135	69	18.11	18.13	18.12	19.2	0.0	
100	QPSK	135	138	18.07	18.10	18.03			
100	QPSK	270	0	18.00	18.09	17.99	19.2	0.0	
100	16QAM	1	1	18.02	18.12	18.02	19.2	0.0	
100	64QAM	1	1	18.06	18.10	18.06	19.2	0.0	
100	256QAM	1	1	18.03	18.08	18.03	19.2	0.0	
Channel									
Frequency (MHz)				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.01	18.03	17.95	19.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.05	18.09	17.95	19.2	0.0	
Channel									
Frequency (MHz)				2536.02	2592.99	2656.99	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	18.07	18.07	17.96	19.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	18.07	18.00	18.06	19.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2516.01	2562.99	2670	19.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	18.06	18.03	17.97	19.2	0.0	
Channel									
Frequency (MHz)				2486.02	2562.99	2678.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.99	18.05	17.95	19.2	0.0	
Channel									
Frequency (MHz)				2486.02	2562.99	2683.98	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.10	18.02	18.03	19.2	0.0	

FCC_n41(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				508202	518598	528998			
100	Pl2 BPSK	1	1	21.01	21.07	21.00	22.2	0.0	
100	Pl2 BPSK	1	137	20.82	20.97	20.96			
100	Pl2 BPSK	1	271	21.06	21.15	21.01			
100	Pl2 BPSK	135	0	20.50	20.54	20.42	21.7	0.5	
100	Pl2 BPSK	135	69	21.01	21.10	20.99	22.2	0.0	
100	Pl2 BPSK	135	138	20.54	20.62	20.56	21.7	0.5	
100	Pl2 BPSK	270	0	20.43	20.55	20.42			
100	QPSK	1	1	21.13	21.18	21.15			
100	QPSK	1	137	21.03	21.10	21.09	22.2	0.0	
100	QPSK	1	271	21.02	21.15	21.02			
100	QPSK	135	0	20.40	20.46	20.34			
100	QPSK	135	69	20.95	21.06	20.91	22.2	0.0	
100	QPSK	135	138	20.45	20.56	20.43			
100	QPSK	270	0	20.36	20.50	20.49			
100	16QAM	1	1	20.29	20.32	20.22	21.7	0.5	
100	64QAM	1	1	19.80	19.85	19.70	21.2	1.0	
100	256QAM	1	1	19.37	19.82	19.49	20.2	2.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	21.12	21.05	21.06	22.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.00	21.10	21.06	22.2	0.0	
Channel									
Frequency (MHz)				2526.01	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.98	21.08	21.00	22.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	21.08	21.16	21.12	22.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	21.01	21.08	21.01	22.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	21.06	21.14	21.06	22.2	0.0	
Channel									
Frequency (MHz)				499200	518598	537996	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.98	21.17	21.14	22.2	0.0	
Channel									
Frequency (MHz)				497200	518598	539996	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.12	21.14	21.11	22.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	24.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	23.33			24.2	0.0	
100	Pl2 BPSK	1	137	23.35					
100	Pl2 BPSK	1	271	22.84					
100	Pl2 BPSK	135	0	22.82			23.7	0.5	
100	Pl2 BPSK	135	69	23.27			24.2	0.0	
100	Pl2 BPSK	135	138	22.71			23.7	0.5	
100	Pl2 BPSK	270	0	22.83			24.2	0.0	
100	QPSK	1	1	23.42					
100	QPSK	1	137	23.40					
100	QPSK	1	271	22.85			24.2	0.0	
100	QPSK	135	0	22.84					
100	QPSK	135	69	23.30					
100	QPSK	135	138	22.73			23.7	0.5	
100	QPSK	270	0	22.75					
100	16QAM	1	1	22.58			23.7	0.5	
100	64QAM	1	1	22.08			23.2	1.0	
100	256QAM	1	1	21.75			22.2	2.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	23.15	23.15	23.38	24.2	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	23.40	23.38	23.41	24.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	23.39	23.34	23.33	24.2	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	23.39	23.37	23.27	24.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	23.35	23.35	23.39	24.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	23.36	23.31	23.34	24.2	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	23.38	23.33	23.39	24.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	23.35	23.29	23.38	24.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				650000	650000	650000	3600	24.2	0.0		
Frequency (MHz)				3750	3840	3945					
100	Pl2 BPSK	1	1	22.96	23.05	22.96	24.2			0.0	
100	Pl2 BPSK	1	137	22.99	23.10	22.95					
100	Pl2 BPSK	1	271	23.11	23.12	23.17					
100	Pl2 BPSK	135	0	22.45	22.49	22.38	23.7			0.5	
100	Pl2 BPSK	135	69	22.83	22.98	22.86	24.2			0.0	
100	Pl2 BPSK	135	138	22.52	22.57	22.49	23.7			0.5	
100	Pl2 BPSK	270	0	22.37	22.50	22.40					
100	QPSK	1	1	23.17	23.18	23.15					
100	QPSK	1	137	23.03	23.08	23.02	24.2			0.0	
100	QPSK	1	271	23.06	23.11	23.05					
100	QPSK	135	0	22.48	22.50	22.40					
100	QPSK	135	69	22.95	22.97	22.91	24.2			0.0	
100	QPSK	135	138	22.46	22.53	22.47					
100	QPSK	270	0	22.44	22.47	22.34					
100	16QAM	1	1	22.29	22.30	22.21	23.7			0.5	
100	64QAM	1	1	21.72	21.83	21.72	23.2			1.0	
100	256QAM	1	1	21.38	21.42	21.36	22.2			2.0	
Channel				649668	650000	650332	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3745.02	3740	3741.98	(dBm)			(dB)	
80	QPSK	1	1	23.10	23.10	23.03	24.2			0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3740.01	3840	3859.98	(dBm)	(dB)			
80	QPSK	1	1	23.15	23.11	22.97	24.2	0.0			
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)			
70	QPSK	1	1	23.08	23.12	22.97	24.2	0.0			
Channel				648668	650000	653332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3742.02	3840	3861.98	(dBm)	(dB)			
60	QPSK	1	1	23.08	23.07	22.96	24.2	0.0			
Channel				648334	650000	656668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3725.01	3840	3954.98	(dBm)	(dB)			
50	QPSK	1	1	23.04	23.12	23.06	24.2	0.0			
Channel				648000	650000	658000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)			
40	QPSK	1	1	23.07	23.05	23.03	24.2	0.0			
Channel				647668	650000	658332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3715.02	3840	3984.98	(dBm)	(dB)			
30	QPSK	1	1	23.02	23.15	22.96	24.2	0.0			
Channel				647334	650000	658668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3710.01	3840	3989.98	(dBm)	(dB)			
20	QPSK	1	1	23.05	23.04	22.98	24.2	0.0			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	24.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	22.58			24.2	0.0	
100	Pl2 BPSK	1	137	22.21					
100	Pl2 BPSK	1	271	22.21					
100	Pl2 BPSK	135	0	21.95			23.7	0.5	
100	Pl2 BPSK	135	69	22.25			24.2	0.0	
100	Pl2 BPSK	135	138	21.72			23.7	0.5	
100	Pl2 BPSK	270	0	21.85			24.2	0.0	
100	QPSK	1	1	22.02					
100	QPSK	1	137	22.22					
100	QPSK	1	271	22.20			24.2	0.0	
100	QPSK	135	0	22.21					
100	QPSK	135	69	22.35					
100	QPSK	135	138	22.23			23.7	0.5	
100	QPSK	270	0	21.88					
100	16QAM	1	1	21.90			23.7	0.5	
100	64QAM	1	1	21.66			23.2	1.0	
100	256QAM	1	1	21.18			22.2	2.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	22.57	22.55	22.58	24.2	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	22.48	22.57	22.47	24.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	22.50	22.47	22.54	24.2	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	22.53	22.60	22.61	24.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	22.59	22.61	22.64	24.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	22.58	22.59	22.60	24.2	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	22.60	22.54	22.55	24.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.99	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	22.54	22.61	22.49	24.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633332		3499.98				
Frequency (MHz)										
100	Pl2 BPSK	1	1	19.58			21.2	0.0		
100	Pl2 BPSK	1	137	19.62						
100	Pl2 BPSK	1	271	19.60						
100	Pl2 BPSK	135	0	19.10			20.7	0.5		
100	Pl2 BPSK	135	69	19.55						
100	Pl2 BPSK	135	138	19.15						
100	Pl2 BPSK	270	0	19.12			20.7	0.5		
100	QPSK	1	1	19.60						
100	QPSK	1	137	19.60						
100	QPSK	1	271	19.62			21.2	0.0		
100	QPSK	135	0	19.21						
100	QPSK	135	69	19.58						
100	QPSK	135	138	19.23			20.7	0.5		
100	QPSK	270	0	19.08						
100	16QAM	1	1	19.10						
100	64QAM	1	1	19.60			20.2	1.0		
100	256QAM	1	1	17.63						
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3495	3499.98	3504.98	(dBm)			
80	QPSK	1	1	19.39	19.53	19.54	21.2	0.0		
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3486.02	3499.98	3510	(dBm)			
80	QPSK	1	1	19.46	19.49	19.56	21.2	0.0		
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)			
70	QPSK	1	1	19.38	19.57	19.59	21.2	0.0		
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3480	3499.98	3518.98	(dBm)			
60	QPSK	1	1	19.48	19.47	19.58	21.2	0.0		
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3475.02	3499.98	3525	(dBm)			
50	QPSK	1	1	19.49	19.55	19.60	21.2	0.0		
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)			
40	QPSK	1	1	19.45	19.55	19.50	21.2	0.0		
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3465	3499.98	3534.98	(dBm)			
30	QPSK	1	1	19.36	19.52	19.52	21.2	0.0		
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3460.02	3499.98	3540	(dBm)			
20	QPSK	1	1	19.38	19.47	19.55	21.2	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				650000	650000	650000	3840			
Frequency (MHz)										
100	Pl2 BPSK	1	1	19.46	19.31	19.34	21.2	0.0		
100	Pl2 BPSK	1	137	19.47	19.34	19.40				
100	Pl2 BPSK	1	271	19.54	19.50	19.49				
100	Pl2 BPSK	135	0	18.98	18.83	18.89	20.7	0.5		
100	Pl2 BPSK	135	69	19.47	19.43	19.39				
100	Pl2 BPSK	135	138	19.06	19.03	19.02				
100	Pl2 BPSK	270	0	19.04	18.99	19.00	20.7	0.5		
100	QPSK	1	1	19.01	19.02	19.05				
100	QPSK	1	137	19.54	19.47	19.46	21.2	0.0		
100	QPSK	1	271	19.49	19.47	19.40				
100	QPSK	135	0	19.21	19.23	19.22				
100	QPSK	135	69	19.55	19.53	19.50	21.2	0.0		
100	QPSK	135	138	19.22	19.25	19.21				
100	QPSK	270	0	19.07	19.10	19.09				
100	16QAM	1	1	19.01	18.88	18.89	20.7	0.5		
100	64QAM	1	1	19.46	19.35	19.36				
100	256QAM	1	1	17.58	17.54	17.53				
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3742.02	3740	3741.98	(dBm)			
90	QPSK	1	1	19.59	19.36	19.45	21.2	0.0		
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3908.99	(dBm)			
80	QPSK	1	1	19.56	19.50	19.54	21.2	0.0		
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3840	3945	(dBm)			
70	QPSK	1	1	19.52	19.46	19.42	21.2	0.0		
Channel				648668	650000	65332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3954.98	(dBm)			
60	QPSK	1	1	19.46	19.41	19.41	21.2	0.0		
Channel				648334	650000	656668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720.01	3840	3954.98	(dBm)			
50	QPSK	1	1	19.47	19.43	19.47	21.2	0.0		
Channel				648000	650000	656000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3840	3960	(dBm)			
40	QPSK	1	1	19.52	19.43	19.51	21.2	0.0		
Channel				647668	650000	656332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3954.98	(dBm)			
30	QPSK	1	1	19.50	19.47	19.46	21.2	0.0		
Channel				647334	650000	656668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3959.98	(dBm)			
20	QPSK	1	1	19.56	19.50	19.53	21.2	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633332		3499.98				
Frequency (MHz)										
100	Pl2 BPSK	1	1	22.98			24.2	0.0		
100	Pl2 BPSK	1	137	23.03						
100	Pl2 BPSK	1	271	23.05						
100	Pl2 BPSK	135	0	23.07			24.2	0.0		
100	Pl2 BPSK	135	69	23.07						
100	Pl2 BPSK	135	138	23.02						
100	Pl2 BPSK	270	0	23.00			24.2	0.0		
100	QPSK	1	1	23.10						
100	QPSK	1	137	23.03						
100	QPSK	1	271	22.99			24.2	0.0		
100	QPSK	135	0	22.98						
100	QPSK	135	69	23.07						
100	QPSK	135	138	23.01			24.2	0.0		
100	QPSK	270	0	22.95						
100	16QAM	1	1	23.01						
100	64QAM	1	1	23.01			24.2	0.0		
100	256QAM	1	1	23.06						
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3495	3499.98	3504.98	(dBm)			
90	QPSK	1	1	23.02	22.95	22.96	24.2	0.0		
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3490.02	3499.98	3510	(dBm)			
80	QPSK	1	1	22.92	22.93	22.96	24.2	0.0		
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)			
70	QPSK	1	1	22.95	23.01	23.03	24.2	0.0		
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3480	3499.98	3518.98	(dBm)			
60	QPSK	1	1	22.99	22.99	23.05	24.2	0.0		
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3475.02	3499.98	3524.98	(dBm)			
50	QPSK	1	1	22.94	23.04	22.97	24.2	0.0		
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)			
40	QPSK	1	1	22.92	23.06	22.92	24.2	0.0		
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3465	3499.98	3534.98	(dBm)			
30	QPSK	1	1	22.96	22.93	22.96	24.2	0.0		
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3460.02	3499.98	3540	(dBm)			
25	QPSK	1	1	23.04	23.03	23.02	24.2	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			
Frequency (MHz)									
100	Pl2 BPSK	1	1	22.36			24.2	0.0	
100	Pl2 BPSK	1	137	22.34					
100	Pl2 BPSK	1	271	22.36					
100	Pl2 BPSK	135	0	22.32			24.2	0.0	
100	Pl2 BPSK	135	69	22.40			24.2	0.0	
100	Pl2 BPSK	135	138	22.42			24.2	0.0	
100	Pl2 BPSK	270	0	22.30					
100	QPSK	1	1	22.43					
100	QPSK	1	137	22.42			24.2	0.0	
100	QPSK	1	271	22.28					
100	QPSK	135	0	22.31					
100	QPSK	135	69	22.40			24.2	0.0	
100	QPSK	135	138	22.37					
100	QPSK	270	0	22.38					
100	16QAM	1	1	22.31			24.2	0.0	
100	64QAM	1	1	22.37			24.2	0.0	
100	256QAM	1	1	22.32			24.2	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	22.39	22.38	22.32	24.2	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)	(dB)	
80	QPSK	1	1	22.28	22.28	22.35	24.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	22.40	22.38	22.37	24.2	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	22.35	22.41	22.32	24.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	22.29	22.33	22.33	24.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	22.38	22.30	22.31	24.2	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	22.31	22.42	22.33	24.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	22.36	22.41	22.36	24.2	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			
Frequency (MHz)									
100	Pl2 BPSK	1	1	22.77			24.2	0.0	
100	Pl2 BPSK	1	137	22.89					
100	Pl2 BPSK	1	271	22.80					
100	Pl2 BPSK	135	0	22.85			24.2	0.0	
100	Pl2 BPSK	135	69	22.88			24.2	0.0	
100	Pl2 BPSK	135	138	22.86			24.2	0.0	
100	Pl2 BPSK	270	0	22.87					
100	QPSK	1	1	22.90					
100	QPSK	1	137	22.85			24.2	0.0	
100	QPSK	1	271	22.79					
100	QPSK	135	0	22.82					
100	QPSK	135	69	22.87			24.2	0.0	
100	QPSK	135	138	22.81					
100	QPSK	270	0	22.83					
100	16QAM	1	1	22.87			24.2	0.0	
100	64QAM	1	1	22.94			24.2	0.0	
100	256QAM	1	1	22.77			24.2	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	22.77	22.84	22.83	24.2	0.0	
Channel				648334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3758.98	(dBm)	(dB)	
80	QPSK	1	1	22.80	22.78	22.87	24.2	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	22.89	22.86	22.81	24.2	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3761.98	(dBm)	(dB)	
60	QPSK	1	1	22.83	22.87	22.88	24.2	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1	22.85	22.76	22.76	24.2	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	22.82	22.80	22.86	24.2	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	22.87	22.77	22.75	24.2	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	1	22.75	22.77	22.80	24.2	0.0	

Part27Q_n78(HPUe)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	25.30			27.2	0.0	
100	Pl2 BPSK	1	137	25.21					
100	Pl2 BPSK	1	271	25.31					
100	Pl2 BPSK	135	0	24.77			26.7	0.5	
100	Pl2 BPSK	135	69	24.78			27.2	0.0	
100	Pl2 BPSK	135	138	24.72			26.7	0.5	
100	Pl2 BPSK	270	0	24.70					
100	QPSK	1	1	25.35					
100	QPSK	1	137	25.26			27.2	0.0	
100	QPSK	1	271	25.29					
100	QPSK	135	0	24.09					
100	QPSK	135	69	25.28			27.2	0.0	
100	QPSK	135	138	24.01					
100	QPSK	270	0	24.73					
100	16QAM	1	1	24.71			26.7	0.5	
100	64QAM	1	1	24.77			26.7	1.0	
100	256QAM	1	1	25.77			25.2	2.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	25.33	25.26	25.22	27.2	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	25.31	25.28	25.27	27.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	25.23	25.31	25.25	27.2	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	25.33	25.26	25.25	27.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	25.29	25.28	25.21	27.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	25.33	25.34	25.23	27.2	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	25.29	25.26	25.23	27.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	25.21	25.22	25.33	27.2	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	24.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1		23.30				
100	Pl2 BPSK	1	137		23.28				
100	Pl2 BPSK	1	271		23.29				
100	Pl2 BPSK	135	0		22.85		23.7	0.5	
100	Pl2 BPSK	135	69		23.33		24.2	0.0	
100	Pl2 BPSK	135	138		23.00		23.7	0.5	
100	Pl2 BPSK	270	0		22.88				
100	QPSK	1	1		23.38				
100	QPSK	1	137		23.32		24.2	0.0	
100	QPSK	1	271		23.35				
100	QPSK	135	0		23.20				
100	QPSK	135	69		23.35		24.2	0.0	
100	QPSK	135	138		23.21				
100	QPSK	270	0		22.75		23.7	0.5	
100	16QAM	1	1		22.75		23.7	0.5	
100	64QAM	1	1		22.22		23.2	1.0	
100	256QAM	1	1		21.50		22.2	2.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1		23.34	23.35	23.24	24.2	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)	(dB)	
80	QPSK	1	1		23.32	23.25	23.30	24.2	
Channel				632332	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1		23.25	23.37	23.32	24.2	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dBm)	(dB)	
60	QPSK	1	1		23.36	23.37	23.35	24.2	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1		23.30	23.23	23.27	24.2	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1		23.35	23.37	23.24	24.2	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1		23.35	23.34	23.35	24.2	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3530	(dBm)	(dB)	
20	QPSK	1	1		23.25	23.37	23.25	24.2	

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		3750	24.2	0.0	
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1		23.67				
100	Pl2 BPSK	1	137		23.68				
100	Pl2 BPSK	1	271		23.63				
100	Pl2 BPSK	135	0		23.38		23.7	0.5	
100	Pl2 BPSK	135	69		23.63		24.2	0.0	
100	Pl2 BPSK	135	138		23.43		23.7	0.5	
100	Pl2 BPSK	270	0		23.47				
100	QPSK	1	1		23.70				
100	QPSK	1	137		23.66		24.2	0.0	
100	QPSK	1	271		23.69				
100	QPSK	135	0		22.91				
100	QPSK	135	69		23.68		24.2	0.0	
100	QPSK	135	138		22.97				
100	QPSK	270	0		22.67		23.7	0.5	
100	16QAM	1	1		22.95		23.7	0.5	
100	64QAM	1	1		22.10		23.2	1.0	
100	256QAM	1	1		22.15		22.2	2.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
80	QPSK	1	1		23.64	23.58	23.55	24.2	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1		23.57	23.61	23.68	24.2	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		23.57	23.59	23.64	24.2	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3763.98	(dBm)	(dB)	
60	QPSK	1	1		23.57	23.59	23.62	24.2	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1		23.65	23.61	23.58	24.2	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		23.60	23.61	23.63	24.2	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1		23.58	23.69	23.57	24.2	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	1		23.68	23.58	23.58	24.2	

Part27Q_n78_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	21.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1		19.57				
100	Pl2 BPSK	1	137		19.59			21.2	0.0
100	Pl2 BPSK	1	271		19.51				
100	Pl2 BPSK	135	0		19.53		21.2	0.0	
100	Pl2 BPSK	135	69		19.55		21.2	0.0	
100	Pl2 BPSK	135	138		19.56		21.2	0.0	
100	Pl2 BPSK	270	0		19.58				
100	QPSK	1	1		19.62				
100	QPSK	1	137		19.54		21.2	0.0	
100	QPSK	1	271		19.51				
100	QPSK	135	0		19.49				
100	QPSK	135	69		19.53		21.2	0.0	
100	QPSK	135	138		19.46				
100	QPSK	270	0		19.55		21.2	0.0	
100	16QAM	1	1		19.52		21.2	0.0	
100	64QAM	1	1		19.57		21.2	0.0	
100	256QAM	1	1		19.82		21.2	0.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		
80	QPSK	1	1		19.49	19.57	19.49	21.2	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)		
80	QPSK	1	1		19.53	19.54	19.60	21.2	0.0
Channel				632332	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1		19.51	19.53	19.57	21.2	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.98	(dBm)		
60	QPSK	1	1		19.55	19.57	19.50	21.2	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		
50	QPSK	1	1		19.47	19.49	19.51	21.2	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		19.52	19.53	19.50	21.2	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		
30	QPSK	1	1		19.59	19.52	19.48	21.2	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
20	QPSK	1	1		19.47	19.55	19.54	21.2	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	1860	1900			
Frequency (MHz)				1860	1860	1900			
20	Pl2 BPSK	1	1	19.71	19.88	19.74	21.2	0.0	
20	Pl2 BPSK	1	53	19.79	19.75	19.72			
20	Pl2 BPSK	1	104	19.74	19.82	19.76			
20	Pl2 BPSK	50	0	19.68	19.84	19.80	21.2	0.0	
20	Pl2 BPSK	50	28	19.68	19.85	19.82	21.2	0.0	
20	Pl2 BPSK	50	56	19.77	19.88	19.83			
20	Pl2 BPSK	100	0	19.69	19.89	19.81	21.2	0.0	
20	QPSK	1	1	19.85	19.90	19.85			
20	QPSK	1	53	19.87	19.77	19.81	21.2	0.0	
20	QPSK	1	104	19.70	19.85	19.84			
20	QPSK	50	0	19.69	19.87	19.75	21.2	0.0	
20	QPSK	50	28	19.75	19.89	19.83	21.2	0.0	
20	QPSK	50	56	19.69	19.81	19.70			
20	QPSK	100	0	19.71	19.85	19.81	21.2	0.0	
20	16QAM	1	1	19.81	19.78	19.74	21.2	0.0	
20	64QAM	1	1	19.73	19.78	19.79	21.2	0.0	
20	256QAM	1	1	19.75	19.84	19.82	21.2	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1860	1902.5	(dBm)		
15	QPSK	1	1	19.75	19.88	19.82	21.2	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1865	1860	1905	(dBm)		
10	QPSK	1	1	19.72	19.86	19.84	21.2	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1860	1907.5	(dBm)		
5	QPSK	1	1	19.76	19.78	19.78	21.2	0.0	

Reduced Power Mode for ECI 3									
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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	1860	1900			
Frequency (MHz)				1860	1860	1900			
20	Pl2 BPSK	1	1	20.65	20.67	20.61	21.8	0.0	
20	Pl2 BPSK	1	53	20.60	20.69	20.71			
20	Pl2 BPSK	1	104	20.65	20.76	20.63			
20	Pl2 BPSK	50	0	20.63	20.74	20.59	21.8	0.0	
20	Pl2 BPSK	50	28	20.69	20.68	20.62	21.8	0.0	
20	Pl2 BPSK	50	56	20.74	20.71	20.64			
20	Pl2 BPSK	100	0	20.61	20.65	20.57	21.8	0.0	
20	QPSK	1	1	20.75	20.80	20.72			
20	QPSK	1	53	20.65	20.68	20.59	21.8	0.0	
20	QPSK	1	104	20.68	20.70	20.68			
20	QPSK	50	0	20.69	20.68	20.65	21.8	0.0	
20	QPSK	50	28	20.71	20.76	20.69	21.8	0.0	
20	QPSK	50	56	20.64	20.75	20.67			
20	QPSK	100	0	20.61	20.72	20.65	21.8	0.0	
20	16QAM	1	1	20.70	20.78	20.61	21.8	0.0	
20	64QAM	1	1	20.67	20.67	20.57	21.8	0.0	
20	256QAM	1	1	20.60	20.79	20.62	21.8	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1860	1902.5	(dBm)		
15	QPSK	1	1	20.68	20.79	20.58	21.8	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1865	1860	1905	(dBm)		
10	QPSK	1	1	20.68	20.74	20.65	21.8	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1860	1907.5	(dBm)		
5	QPSK	1	1	20.68	20.78	20.71	21.8	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)				834	836.5	839			
20	Pl2 BPSK	1	1	24.32	24.40	24.25	25.7	0.0	
20	Pl2 BPSK	1	53	24.31	24.41	24.33			
20	Pl2 BPSK	1	104	24.29	24.39	24.30			
20	Pl2 BPSK	50	0	23.95	24.02	23.99	25.2	0.5	
20	Pl2 BPSK	50	28	24.40	24.45	24.48	25.7	0.0	
20	Pl2 BPSK	50	56	23.87	23.95	23.82			
20	Pl2 BPSK	100	0	23.90	24.03	23.90	25.2	0.5	
20	QPSK	1	1	24.44	24.50	24.46			
20	QPSK	1	53	24.32	24.38	24.33	25.7	0.0	
20	QPSK	1	104	24.31	24.33	24.32			
20	QPSK	50	0	23.88	23.98	23.86	25.2	0.5	
20	QPSK	50	28	24.47	24.48	24.35	25.7	0.0	
20	QPSK	50	56	23.87	23.95	23.85			
20	QPSK	100	0	23.81	23.89	23.84	25.2	0.5	
20	16QAM	1	1	23.82	23.82	23.50	24.7	1.0	
20	64QAM	1	1	23.17	23.18	23.05	24.2	1.5	
20	256QAM	1	1	22.66	22.77	22.66	23.7	2.0	
Channel				166300	167500	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)		
15	QPSK	1	1	24.31	24.36	24.43	25.7	0.0	
Channel				166800	167500	168800	Tune-up limit	MPR	
Frequency (MHz)				839	839.5	844	(dBm)		
10	QPSK	1	1	24.41	24.42	24.32	25.7	0.0	
Channel				166300	167500	169300	Tune-up limit	MPR	
Frequency (MHz)				836.5	836.5	846.5	(dBm)		
5	QPSK	1	1	24.31	24.48	24.45	25.7	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)											
20	PQ2 BPSK	1	1	21.91	22.01	21.98	23.3	0.0			
20	PQ2 BPSK	1	53	21.94	21.99	21.99					
20	PQ2 BPSK	1	104	21.94	22.05	22.04					
20	PQ2 BPSK	50	0	22.01	22.09	21.93	23.3	0.0			
20	PQ2 BPSK	50	28	21.95	22.03	22.02	23.3	0.0			
20	PQ2 BPSK	50	56	21.92	22.06	22.02	23.3	0.0			
20	PQ2 BPSK	100	0	21.93	22.07	22.00					
20	QPSK	1	1	22.02	22.10	22.05					
20	QPSK	1	53	21.90	22.03	21.90	23.3	0.0			
20	QPSK	1	104	22.00	22.08	21.98	23.3	0.0			
20	QPSK	50	0	21.95	22.02	21.98					
20	QPSK	50	28	21.91	22.07	22.03					
20	QPSK	50	56	21.90	22.02	22.02	23.3	0.0			
20	QPSK	100	0	21.94	22.05	22.04					
20	16QAM	1	1	21.90	22.01	22.00	23.3	0.0			
20	64QAM	1	1	21.98	22.00	21.90	23.3	0.0			
20	256QAM	1	1	21.98	22.05	21.93	23.3	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	21.90	22.08	21.94	23.3	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	21.94	22.07	21.90	23.3	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	21.92	22.04	21.93	23.3	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)									
40	PQ2 BPSK	1	1	18.67	18.74	18.62	19.9	0.0	
40	PQ2 BPSK	1	108	18.58	18.67	18.58			
40	PQ2 BPSK	1	214	18.67	18.73	18.61			
40	PQ2 BPSK	108	0	18.55	18.67	18.66	19.9	0.0	
40	PQ2 BPSK	108	54	18.56	18.68	18.68	19.9	0.0	
40	PQ2 BPSK	108	108	18.57	18.70	18.68	19.9	0.0	
40	PQ2 BPSK	216	0	18.64	18.65	18.67			
40	QPSK	1	1	18.68	18.75	18.70			
40	QPSK	1	108	18.53	18.66	18.64	19.9	0.0	
40	QPSK	1	214	18.62	18.70	18.59	19.9	0.0	
40	QPSK	108	0	18.58	18.62	18.64			
40	QPSK	108	54	18.60	18.73	18.65			
40	QPSK	108	108	18.60	18.68	18.59	19.9	0.0	
40	QPSK	216	0	18.64	18.70	18.66			
40	16QAM	1	1	18.65	18.73	18.69	19.9	0.0	
40	64QAM	1	1	18.53	18.62	18.59	19.9	0.0	
40	256QAM	1	1	18.57	18.63	18.60	19.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.54	18.66	18.66	19.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.54	18.71	18.57	19.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.61	18.72	18.61	19.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.65	18.67	18.64	19.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.68	18.69	18.55	19.9	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.58	18.63	18.57	19.9	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)									
40	PQ2 BPSK	1	1	18.60	18.62	18.47	19.9	0.0	
40	PQ2 BPSK	1	108	18.61	18.58	18.50			
40	PQ2 BPSK	1	214	18.55	18.59	18.54			
40	PQ2 BPSK	108	0	18.59	18.62	18.60	19.9	0.0	
40	PQ2 BPSK	108	54	18.52	18.69	18.51	19.9	0.0	
40	PQ2 BPSK	108	108	18.52	18.66	18.51	19.9	0.0	
40	PQ2 BPSK	216	0	18.53	18.68	18.57			
40	QPSK	1	1	18.68	18.70	18.62			
40	QPSK	1	108	18.63	18.67	18.61	19.9	0.0	
40	QPSK	1	214	18.58	18.69	18.58	19.9	0.0	
40	QPSK	108	0	18.58	18.66	18.58			
40	QPSK	108	54	18.63	18.68	18.60			
40	QPSK	108	108	18.60	18.57	18.53	19.9	0.0	
40	QPSK	216	0	18.62	18.65	18.47			
40	16QAM	1	1	18.56	18.60	18.51	19.9	0.0	
40	64QAM	1	1	18.62	18.57	18.58	19.9	0.0	
40	256QAM	1	1	18.54	18.64	18.57	19.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.57	18.68	18.56	19.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.52	18.61	18.48	19.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.63	18.60	18.47	19.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.65	18.68	18.58	19.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.52	18.62	18.50	19.9	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.63	18.57	18.54	19.9	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	PlZ BPSK	1	1	18.30	18.38	18.34			
40	PlZ BPSK	1	108	18.31	18.36	18.43	19.3	0.0	
40	PlZ BPSK	1	214	18.39	18.40	18.44			
40	PlZ BPSK	108	0	18.33	18.39	18.42	19.3	0.0	
40	PlZ BPSK	108	54	18.33	18.46	18.34	19.3	0.0	
40	PlZ BPSK	108	108	18.32	18.37	18.31			
40	PlZ BPSK	216	0	18.37	18.35	18.36	19.3	0.0	
40	QPSK	1	1	18.32	18.50	18.45			
40	QPSK	1	108	18.29	18.45	18.30	19.3	0.0	
40	QPSK	1	214	18.36	18.37	18.38			
40	QPSK	108	0	18.36	18.40	18.42	19.3	0.0	
40	QPSK	108	54	18.41	18.47	18.43	19.3	0.0	
40	QPSK	108	108	18.37	18.44	18.39			
40	QPSK	216	0	18.40	18.44	18.34	19.3	0.0	
40	16QAM	1	1	18.37	18.45	18.44	19.3	0.0	
40	64QAM	1	1	18.30	18.48	18.34	19.3	0.0	
40	256QAM	1	1	18.31	18.49	18.37	19.3	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.39	18.48	18.41	19.3	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.29	18.40	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	18.40	18.35	18.39	19.3	0.0	
Channel				503500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.38	18.42	18.35	19.3	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2495	2535	2565			
10	QPSK	1	1	18.29	18.36	18.44	19.3	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.35	18.47	18.30	19.3	0.0	

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			
Frequency (MHz)									
40	PlZ BPSK	1	1	19.97	20.12	20.09			
40	PlZ BPSK	1	108	19.93	20.05	19.91	21.4	0.0	
40	PlZ BPSK	1	214	20.13	20.12	20.10			
40	PlZ BPSK	108	0	19.37	19.44	19.36	20.9	0.5	
40	PlZ BPSK	108	54	20.04	20.07	19.94	21.4	0.0	
40	PlZ BPSK	108	108	19.91	19.60	19.48			
40	PlZ BPSK	216	0	19.35	19.47	19.39	20.9	0.5	
40	QPSK	1	1	20.05	20.18	20.11			
40	QPSK	1	108	19.96	20.15	20.03	21.4	0.0	
40	QPSK	1	214	20.03	20.15	20.08			
40	QPSK	108	0	19.31	19.40	19.38	20.9	0.5	
40	QPSK	108	54	20.02	20.03	20.00	21.4	0.0	
40	QPSK	108	108	19.44	19.57	19.49			
40	QPSK	216	0	19.42	19.45	19.34	20.9	0.5	
40	16QAM	1	1	18.91	19.03	19.01	20.9	0.5	
40	64QAM	1	1	18.53	18.57	18.47	19.9	1.5	
40	256QAM	1	1	18.03	18.10	18.01	19.4	2.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.03	20.10	20.03	21.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.98	20.05	19.96	21.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	20.05	20.09	19.97	21.4	0.0	
Channel				503500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.98	20.04	20.06	21.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2495	2535	2565			
10	QPSK	1	1	19.96	20.14	20.04	21.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.97	20.08	20.06	21.4	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141300	Power Middle Ch. 1 Freq. 141500	Power High Ch. 1 Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				706.5	707.5	708.5			
Frequency (MHz)									
15	PlZ BPSK	1	1	20.69	20.75	20.55			
15	PlZ BPSK	1	40	20.60	20.79	20.62	22.2	0.0	
15	PlZ BPSK	1	77	20.57	20.71	20.59			
15	PlZ BPSK	36	0	20.67	20.68	20.61	22.2	0.0	
15	PlZ BPSK	36	22	20.68	20.74	20.56	22.2	0.0	
15	PlZ BPSK	36	43	20.64	20.75	20.69			
15	PlZ BPSK	75	0	20.61	20.70	20.66	22.2	0.0	
15	QPSK	1	1	20.72	20.80	20.70			
15	QPSK	1	40	20.60	20.68	20.55	22.2	0.0	
15	QPSK	1	77	20.59	20.66	20.61			
15	QPSK	36	0	20.57	20.72	20.60	22.2	0.0	
15	QPSK	36	22	20.70	20.76	20.60	22.2	0.0	
15	QPSK	36	43	20.58	20.75	20.62			
15	QPSK	75	0	20.66	20.76	20.63	22.2	0.0	
15	16QAM	1	1	20.61	20.76	20.58	22.2	0.0	
15	64QAM	1	1	20.71	20.77	20.65	22.2	0.0	
15	256QAM	1	1	20.59	20.70	20.65	22.2	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	20.71	20.74	20.65	22.2	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	20.60	20.70	20.59	22.2	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	21.8	0.0	
Frequency (MHz)									
15	Pl2 BPSK	1	1	19.92	20.11	20.01			
15	Pl2 BPSK	1	40	19.96	20.06	19.99			
15	Pl2 BPSK	1	77	19.91	20.00	19.99	21.8	0.0	
15	Pl2 BPSK	36	0	19.93	19.98	19.97	21.8	0.0	
15	Pl2 BPSK	36	22	19.93	19.98	19.97	21.8	0.0	
15	Pl2 BPSK	36	43	20.01	20.03	20.07	21.8	0.0	
15	Pl2 BPSK	75	0	20.01	19.99	19.97	21.8	0.0	
15	QPSK	1	1	20.05	20.12	20.08	21.8	0.0	
15	QPSK	1	40	20.01	20.10	20.00			
15	QPSK	1	77	19.92	20.09	20.06			
15	QPSK	36	0	19.96	20.08	20.06			
15	QPSK	36	22	20.02	20.10	20.07	21.8	0.0	
15	QPSK	36	43	19.95	20.02	19.95	21.8	0.0	
15	QPSK	75	0	20.00	20.08	20.02	21.8	0.0	
15	16QAM	1	1	19.90	19.98	20.04	21.8	0.0	
15	64QAM	1	1	19.94	20.01	20.03	21.8	0.0	
15	256QAM	1	1	19.94	20.06	20.04	21.8	0.0	
Channel				16300	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	19.90	20.06	20.01	21.8	0.0	
Channel				16300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704.5	707.5	711.5	(dBm)	(dB)	
5	QPSK	1	1	19.94	20.07	20.02	21.8	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	25.7	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	24.32	24.38	24.27			
20	Pl2 BPSK	1	53	24.29	24.39	24.24			
20	Pl2 BPSK	1	104	24.39	24.40	24.36	25.2	0.5	
20	Pl2 BPSK	50	0	23.89	23.97	23.90	25.2	0.5	
20	Pl2 BPSK	50	28	24.34	24.42	24.39	25.7	0.0	
20	Pl2 BPSK	50	56	23.94	24.00	23.93	25.2	0.5	
20	Pl2 BPSK	100	0	23.85	23.97	23.90	25.2	0.5	
20	QPSK	1	1	24.44	24.51	24.38	25.7	0.0	
20	QPSK	1	53	24.32	24.35	24.30			
20	QPSK	1	104	24.25	24.39	24.37			
20	QPSK	50	0	23.86	23.92	23.85			
20	QPSK	50	28	24.43	24.45	24.33	25.7	0.0	
20	QPSK	50	56	23.90	23.96	23.95	25.2	0.5	
20	QPSK	100	0	23.86	23.91	23.80	25.2	0.5	
20	16QAM	1	1	23.94	23.97	23.90	24.7	1.0	
20	64QAM	1	1	23.14	23.24	23.10	24.2	1.5	
20	256QAM	1	1	22.67	22.82	22.73	23.7	2.0	
Channel				164300	165300	165300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.30	24.43	24.26	25.7	0.0	
Channel				163800	166300	166800	Tune-up limit	MPR	
Frequency (MHz)				810	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.31	24.42	24.30	25.7	0.0	
Channel				163300	166300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	24.39	24.30	24.25	25.7	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	23.3	0.0	
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.97	22.10	21.95			
20	Pl2 BPSK	1	53	21.89	22.11	21.98			
20	Pl2 BPSK	1	104	21.97	22.07	21.94	23.3	0.0	
20	Pl2 BPSK	50	0	21.96	21.97	22.07	23.3	0.0	
20	Pl2 BPSK	50	28	21.95	21.99	22.05	23.3	0.0	
20	Pl2 BPSK	50	56	22.00	22.06	22.07	23.3	0.0	
20	Pl2 BPSK	100	0	21.88	21.99	21.99	23.3	0.0	
20	QPSK	1	1	22.02	22.12	22.09	23.3	0.0	
20	QPSK	1	53	21.90	22.02	22.03			
20	QPSK	1	104	21.95	22.09	22.06			
20	QPSK	50	0	21.89	22.10	22.02			
20	QPSK	50	28	21.93	22.11	22.08	23.3	0.0	
20	QPSK	50	56	21.90	22.04	22.05	23.3	0.0	
20	QPSK	100	0	22.01	22.07	22.01	23.3	0.0	
20	16QAM	1	1	21.96	22.07	21.95	23.3	0.0	
20	64QAM	1	1	21.91	22.07	21.94	23.3	0.0	
20	256QAM	1	1	21.91	22.03	22.01	23.3	0.0	
Channel				164300	165300	165300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	21.95	22.09	21.95	23.3	0.0	
Channel				163800	166300	166800	Tune-up limit	MPR	
Frequency (MHz)				810	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.01	22.11	22.05	23.3	0.0	
Channel				163300	166300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.94	21.98	22.08	23.3	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			
Frequency (MHz)									
40	PlZ BPSK	1	1	20.49	20.65	20.55		21.9	0.0
40	PlZ BPSK	1	108	20.53	20.66	20.66			
40	PlZ BPSK	1	214	20.56	20.69	20.66			
40	PlZ BPSK	108	0	20.60	20.62	20.65	21.9	0.0	
40	PlZ BPSK	108	54	20.59	20.67	20.54	21.9	0.0	
40	PlZ BPSK	108	108	20.49	20.65	20.66		21.9	0.0
40	PlZ BPSK	216	0	20.61	20.59	20.54			
40	QPSK	1	1	20.62	20.70	20.68			
40	QPSK	1	108	20.56	20.62	20.59	21.9	0.0	
40	QPSK	1	214	20.57	20.60	20.53		21.9	0.0
40	QPSK	108	0	20.59	20.60	20.60			
40	QPSK	108	54	20.61	20.66	20.62	21.9		
40	QPSK	108	108	20.47	20.59	20.55		21.9	0.0
40	QPSK	216	0	20.56	20.63	20.56			
40	16QAM	1	1	20.58	20.68	20.62	21.9		
40	64QAM	1	1	20.51	20.55	20.55	21.9	0.0	
40	256QAM	1	1	20.56	20.68	20.58	21.9	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.57	20.69	20.62	21.9	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	20.59	20.55	20.58	21.9	0.0	
Channel				343000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.48	20.61	20.61	21.9	0.0	
Channel				343000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.55	20.65	20.54	21.9	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.55	20.68	20.55	21.9	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			
Frequency (MHz)									
40	PlZ BPSK	1	1	19.96	20.05	20.05		20.6	0.0
40	PlZ BPSK	1	108	19.99	20.08	20.03			
40	PlZ BPSK	1	214	20.00	20.04	19.93			
40	PlZ BPSK	108	0	20.01	20.00	20.01	20.6	0.0	
40	PlZ BPSK	108	54	20.03	20.07	20.06	20.6	0.0	
40	PlZ BPSK	108	108	20.08	19.99	20.06		20.6	0.0
40	PlZ BPSK	216	0	20.08	20.04	20.03			
40	QPSK	1	1	20.10	20.12	20.08			
40	QPSK	1	108	19.95	20.04	19.98	20.6	0.0	
40	QPSK	1	214	20.06	20.02	20.00		20.6	0.0
40	QPSK	108	0	20.02	20.04	20.02			
40	QPSK	108	54	20.07	20.10	20.05	20.6		
40	QPSK	108	108	20.01	20.01	20.02		20.6	0.0
40	QPSK	216	0	20.01	20.09	20.05			
40	16QAM	1	1	19.99	20.09	20.05	20.6		
40	64QAM	1	1	20.02	20.05	20.03	20.6	0.0	
40	256QAM	1	1	20.01	20.01	20.02	20.6	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.09	20.09	19.95	20.6	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	20.08	19.99	20.07	20.6	0.0	
Channel				343000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.06	19.98	20.07	20.6	0.0	
Channel				343000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.99	20.06	20.05	20.6	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.07	19.99	19.98	20.6	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			
Frequency (MHz)									
40	PlZ BPSK	1	1	21.07	21.21	21.14		22.3	0.0
40	PlZ BPSK	1	108	21.10	21.23	21.13			
40	PlZ BPSK	1	214	21.16	21.19	21.08			
40	PlZ BPSK	108	0	21.13	21.19	21.08	22.3	0.0	
40	PlZ BPSK	108	54	21.18	21.21	21.13	22.3	0.0	
40	PlZ BPSK	108	108	21.14	21.18	21.12		22.3	0.0
40	PlZ BPSK	216	0	21.15	21.20	21.18			
40	QPSK	1	1	21.22	21.30	21.18			
40	QPSK	1	108	21.17	21.20	21.04	22.3	0.0	
40	QPSK	1	214	21.11	21.27	21.18		22.3	0.0
40	QPSK	108	0	21.12	21.26	21.11			
40	QPSK	108	54	21.20	21.28	21.16	22.3		
40	QPSK	108	108	21.17	21.18	21.08		22.3	0.0
40	QPSK	216	0	21.17	21.24	21.15			
40	16QAM	1	1	21.10	21.24	21.12	22.3		
40	64QAM	1	1	21.08	21.25	21.15	22.3	0.0	
40	256QAM	1	1	21.10	21.20	21.07	22.3	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.18	21.28	21.05	22.3	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.20	21.20	21.08	22.3	0.0	
Channel				343000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.07	21.27	21.05	22.3	0.0	
Channel				343000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.19	21.21	21.04	22.3	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.17	21.19	21.18	22.3	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	21.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	19.38	19.38	19.42		
40	PI2 BPSK	1	108	19.42	19.43	19.42		
40	PI2 BPSK	1	214	19.39	19.43	19.39	21.0	0.0
40	PI2 BPSK	108	0	19.32	19.43	19.45		
40	PI2 BPSK	108	54	19.31	19.42	19.39		
40	PI2 BPSK	108	108	19.38	19.42	19.36		
40	PI2 BPSK	216	0	19.38	19.48	19.32	21.0	0.0
40	QPSK	1	1	19.45	19.52	19.46		
40	QPSK	1	108	19.30	19.43	19.53		
40	QPSK	1	214	19.35	19.40	19.40	21.0	0.0
40	QPSK	108	0	19.38	19.50	19.33		
40	QPSK	108	54	19.43	19.51	19.45		
40	QPSK	108	108	19.42	19.43	19.37		
40	QPSK	216	0	19.32	19.49	19.57	21.0	0.0
40	16QAM	1	1	19.35	19.50	19.42		
40	64QAM	1	1	19.35	19.37	19.41		
40	256QAM	1	1	19.25	19.30	19.24		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	21.0	0.0
30	QPSK	1	1	19.30	19.37	19.45		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1747	21.0	0.0
20	QPSK	1	1	19.34	19.46	19.37		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	21.0	0.0
15	QPSK	1	1	19.38	19.42	19.33		
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	21.0	0.0
10	QPSK	1	1	19.32	19.38	19.36		
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	21.0	0.0
5	QPSK	1	1	19.39	19.37	19.44		

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	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl/2 BPSK	1	1	18.45	18.65	18.52	19.9	0.0	
40	Pl/2 BPSK	1	53	18.51	18.52	18.51			
40	Pl/2 BPSK	1	104	18.50	18.53	18.52			
40	Pl/2 BPSK	50	0	18.59	18.52	18.53	19.9	0.0	
40	Pl/2 BPSK	50	28	18.47	18.53	18.46	19.9	0.0	
40	Pl/2 BPSK	50	56	18.50	18.57	18.54	19.9	0.0	
40	Pl/2 BPSK	100	0	18.50	18.56	18.43	19.9	0.0	
40	QPSK	1	1	18.50	18.60	18.55			
40	QPSK	1	53	18.53	18.60	18.43			
40	QPSK	1	104	18.54	18.60	18.46	19.9	0.0	
40	QPSK	50	0	18.54	18.60	18.54			
40	QPSK	50	28	18.56	18.53	18.56			
40	QPSK	50	56	18.50	18.59	18.47	19.9	0.0	
40	QPSK	100	0	18.57	18.60	18.45			
40	16QAM	1	1	18.51	18.58	18.50	19.9	0.0	
40	64QAM	1	1	18.57	18.63	18.56	19.9	0.0	
40	256QAM	1	1	18.47	18.63	18.57	19.9	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.49	18.52	18.54	19.9	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.58	18.65	18.46	19.9	0.0	
Channel				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.53	18.62	18.48	19.9	0.0	
Channel				517002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.57	18.59	18.49	19.9	0.0	
Frequency (MHz)				2575.92	2595	2614.98			
10	QPSK	1	1	18.46	18.64	18.45	19.9	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	PB2 BPSK	1	1	19.14	19.28	19.26	20.3	0.0	
40	PB2 BPSK	1	53	19.22	19.29	19.16			
40	PB2 BPSK	1	104	19.09	19.20	19.21			
40	PB2 BPSK	50	0	19.10	19.15	19.20	20.3	0.0	
40	PB2 BPSK	50	28	19.20	19.23	19.24	20.3	0.0	
40	PB2 BPSK	50	56	19.10	19.17	19.23	20.3	0.0	
40	PB2 BPSK	100	0	19.21	19.21	19.13	20.3	0.0	
40	QPSK	1	1	19.23	19.30	19.27			
40	QPSK	1	53	19.10	19.18	19.25			
40	QPSK	1	104	19.10	19.25	19.15	20.3	0.0	
40	QPSK	50	0	19.19	19.23	19.20			
40	QPSK	50	28	19.22	19.26	19.23			
40	QPSK	50	56	19.16	19.27	19.17	20.3	0.0	
40	QPSK	100	0	19.21	19.24	19.18			
40	16QAM	1	1	19.20	19.15	19.13	20.3	0.0	
40	64QAM	1	1	19.09	19.26	19.26	20.3	0.0	
40	256QAM	1	1	19.22	19.23	19.19	20.3	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.17	19.15	19.23	20.3	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.12	19.27	19.21	20.3	0.0	
Channel									
Frequency (MHz)				515002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.21	19.22	19.18	20.3	0.0	
Channel									
Frequency (MHz)				513004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.22	19.19	19.26	20.3	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	2590.98
40	Pl/2 BPSK	1	1	18.74	18.71	18.76	19.8	0.0	
40	Pl/2 BPSK	1	53	18.70	18.80	18.72			
40	Pl/2 BPSK	1	104	18.73	18.69	18.75			
40	Pl/2 BPSK	50	0	18.75	18.77	18.68	19.8	0.0	
40	Pl/2 BPSK	50	28	18.66	18.70	18.67	19.8	0.0	
40	Pl/2 BPSK	50	56	18.75	18.74	18.72	19.8	0.0	
40	Pl/2 BPSK	100	0	18.77	18.81	18.69	19.8	0.0	
40	QPSK	1	1	18.80	18.83	18.73			
40	QPSK	1	53	18.76	18.69	18.65			
40	QPSK	1	104	18.65	18.75	18.69	19.8	0.0	
40	QPSK	50	0	18.67	18.77	18.65			
40	QPSK	50	28	18.76	18.81	18.76			
40	QPSK	50	56	18.73	18.75	18.75	19.8	0.0	
40	QPSK	100	0	18.75	18.79	18.70			
40	16QAM	1	1	18.68	18.80	18.68	19.8	0.0	
40	64QAM	1	1	18.68	18.75	18.66	19.8	0.0	
40	256QAM	1	1	18.78	18.77	18.71	19.8	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.73	18.68	18.77	19.8	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.76	18.74	18.73	19.8	0.0	
Channel									
Frequency (MHz)				517002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.72	18.73	18.72	19.8	0.0	
Channel									
Frequency (MHz)				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.75	18.75	18.67	19.8	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)				516004	516000	516996			
40	P12 BPSK	1	1	2590.02	2590	2593.88			
40	P12 BPSK	1	53	18.13	18.25	18.15	19.6	0.0	0.0
40	P12 BPSK	1	104	18.13	18.20	18.17			
40	P12 BPSK	50	0	18.21	18.19	18.15	19.6	0.0	0.0
40	P12 BPSK	50	28	18.09	18.23	18.22	19.6	0.0	0.0
40	P12 BPSK	50	56	18.17	18.17	18.18	19.6	0.0	0.0
40	P12 BPSK	100	0	18.09	18.23	18.10	19.6	0.0	0.0
40	QPSK	1	1	18.23	18.30	18.25			
40	QPSK	1	53	18.13	18.16	18.17	19.6	0.0	0.0
40	QPSK	1	104	18.09	18.16	18.11			
40	QPSK	50	0	18.20	18.15	18.13			
40	QPSK	50	28	18.22	18.24	18.15	19.6	0.0	0.0
40	QPSK	50	56	18.21	18.20	18.18			
40	QPSK	100	0	18.14	18.23	18.18	19.6	0.0	0.0
40	16QAM	1	1	18.11	18.26	18.14	19.6	0.0	0.0
40	64QAM	1	1	18.11	18.26	18.15	19.6	0.0	0.0
40	256QAM	1	1	18.13	18.29	18.10	19.8	0.0	0.0
Channel									
Frequency (MHz)				517002	516900	520988	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	2595.01	2595	2604.99			
30	QPSK	1	1	18.17	18.20	18.12	19.6	0.0	0.0
Channel									
Frequency (MHz)				516000	516000	522000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	2600	2600	2610			
20	QPSK	1	1	18.09	18.25	18.10	19.6	0.0	0.0
Channel									
Frequency (MHz)				515002	515000	522986	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	2577.51	2595	2612.49			
15	QPSK	1	1	18.10	18.15	18.22	19.6	0.0	0.0
Channel									
Frequency (MHz)				515000	515000	522986	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	2575.02	2595	2613.98			
10	QPSK	1	1	18.17	18.22	18.26	19.6	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									
				505020	518988	528960			
				2541	2592.99	2544.98			
100	P12 BPSK	1	1	18.84	19.09	19.09			
100	P12 BPSK	1	137	18.87	19.02	19.00	20.2		0.0
100	P12 BPSK	1	271	18.99	19.04	19.08			
100	P12 BPSK	135	0	19.02	19.01	18.98	20.2		0.0
100	P12 BPSK	135	69	18.84	19.08	18.96	20.2		0.0
100	P12 BPSK	135	138	19.01	18.99	19.08	20.2		0.0
100	P12 BPSK	270	0	19.05	19.01	19.01			
100	QPSK	1	1	19.05	19.13	19.10			
100	QPSK	1	137	18.84	19.07	19.02	20.2		0.0
100	QPSK	1	271	19.06	19.12	19.00			
100	QPSK	135	0	19.03	19.01	18.96			
100	QPSK	135	69	18.84	19.11	19.03	20.2		0.0
100	QPSK	135	138	18.97	19.01	19.03			
100	QPSK	270	0	18.99	19.08	19.02	20.2		0.0
100	16QAM	1	1	18.88	19.06	18.98	20.2		0.0
100	64QAM	1	1	19.05	19.06	18.99	20.2		0.0
100	256QAM	1	1	19.05	19.00	18.98	20.2		0.0
Channel									
				505020	518988	528960	Tune-up limit (dBm)	MPR	(dB)
				2541	2592.99	2544.98			
80	QPSK	1	1	19.07	19.07	19.01	20.2		0.0
Channel									
				501204	518988	528968	Tune-up limit (dBm)	MPR	(dB)
				2536	2592.99	2546.99			
80	QPSK	1	1	19.00	19.03	19.06	20.2		0.0
Channel									
				505020	518988	527996	Tune-up limit (dBm)	MPR	(dB)
				2528	2592.99	2568.98			
70	QPSK	1	1	19.03	18.98	18.95	20.2		0.0
Channel									
				504204	518988	522968	Tune-up limit (dBm)	MPR	(dB)
				2521.01	2592.99	2554.99			
60	QPSK	1	1	18.93	19.11	18.97	20.2		0.0
Channel									
				505020	518988	536960	Tune-up limit (dBm)	MPR	(dB)
				2516.01	2592.99	2579.99			
50	QPSK	1	1	19.03	19.03	18.95	20.2		0.0
Channel									
				501204	518988	535968	Tune-up limit (dBm)	MPR	(dB)
				2506.02	2592.99	2576.99			
40	QPSK	1	1	19.01	19.08	18.95	20.2		0.0
Channel									
				499200	518988	537968	Tune-up limit (dBm)	MPR	(dB)
				2498	2592.99	2588.98			
30	QPSK	1	1	19.06	19.06	19.09	20.2		0.0
Channel									
				499200	518988	537968	Tune-up limit (dBm)	MPR	(dB)
				2498	2592.99	2588.98			
20	QPSK	1	1	18.95	19.00	19.00	20.2		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	P12 BPSK	1	1	18.94	19.09	19.09			
100	P12 BPSK	1	137	18.97	19.02	19.00	20.2		0.0
100	P12 BPSK	1	271	18.99	19.04	19.08			
100	P12 BPSK	135	0	19.02	19.01	18.98	20.2		0.0
100	P12 BPSK	135	69	18.94	19.08	18.96	20.2		0.0
100	P12 BPSK	135	138	19.01	18.99	19.08	20.2		0.0
100	P12 BPSK	270	0	19.05	19.01	19.01			
100	QPSK	1	1	19.05	19.13	19.10			
100	QPSK	1	137	18.94	19.07	19.02	20.2		0.0
100	QPSK	1	271	19.06	19.12	19.00			
100	QPSK	135	0	19.03	19.01	18.96			
100	QPSK	135	69	18.84	19.11	19.03	20.2		0.0
100	QPSK	135	138	18.97	19.01	19.03			
100	QPSK	270	0	18.99	19.08	19.02	20.2		0.0
100	16QAM	1	1	18.98	19.06	18.98	20.2		0.0
100	64QAM	1	1	19.05	19.06	18.99	20.2		0.0
100	256QAM	1	1	19.05	19.00	18.98	20.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	2541	2592.99	2544.98	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.07	19.07	19.01	20.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.00	19.03	19.06	20.2		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.93	19.11	18.97	20.2		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.03	19.03	18.95	20.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.01	19.08	18.95	20.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.06	19.06	19.09	20.2		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.95	19.00	19.00	20.2		0.0

FCC_n41_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi/2 BPSK	1	1	506002	518698	526000			
				2544.01	2562.99	2544.00			
100	Pi/2 BPSK	1	137	17.58	17.61	17.55	18.7	0.0	
100	Pi/2 BPSK	1	271	17.52	17.54	17.55			
100	Pi/2 BPSK	135	0	17.83	17.67	17.56	18.7	0.0	
100	Pi/2 BPSK	135	69	17.55	17.56	17.55	18.7	0.0	
100	Pi/2 BPSK	135	138	17.64	17.67	17.54	18.7	0.0	
100	Pi/2 BPSK	270	0	17.52	17.66	17.51	18.7	0.0	
100	QPSK	1	1	17.60	17.68	17.60			
100	QPSK	1	137	17.57	17.68	17.48	18.7	0.0	
100	QPSK	1	271	17.60	17.65	17.48			
100	QPSK	135	0	17.54	17.65	17.53			
100	QPSK	135	69	17.60	17.66	17.51	18.7	0.0	
100	QPSK	135	138	17.60	17.59	17.53			
100	QPSK	270	0	17.52	17.63	17.55	18.7	0.0	
100	16QAM	1	1	17.65	17.58	17.52	18.7	0.0	
100	64QAM	1	1	17.52	17.65	17.57	18.7	0.0	
100	256QAM	1	1	17.61	17.65	17.56	18.7	0.0	
Channel									
				506002	518698	526996	Tune-up limit		
				2541	2562.99	2544.98	(dBm)		MPR (dB)
90	QPSK	1	1	17.57	17.62	17.50	18.7	0.0	
Channel									
				2536.02	2562.99	2546.99	Tune-up limit		
							(dBm)		MPR (dB)
80	QPSK	1	1	17.51	17.57	17.49	18.7	0.0	
Channel									
				505200	518698	531996	Tune-up limit		
				2532.02	2562.99	2549.98	(dBm)		MPR (dB)
70	QPSK	1	1	17.56	17.54	17.57	18.7	0.0	
Channel									
				504208	518698	530996	Tune-up limit		
				2548.02	2562.99	2544.99	(dBm)		MPR (dB)
60	QPSK	1	1	17.62	17.60	17.52	18.7	0.0	
Channel									
				503202	518698	534000	Tune-up limit		
				2516.01	2562.99	2570	(dBm)		MPR (dB)
50	QPSK	1	1	17.57	17.64	17.50	18.7	0.0	
Channel									
				502204	518698	530996	Tune-up limit		
				2506.02	2562.99	2578.99	(dBm)		MPR (dB)
40	QPSK	1	1	17.64	17.68	17.59	18.7	0.0	
Channel									
				496200	518698	531996	Tune-up limit		
				2498	2562.99	2549.98	(dBm)		MPR (dB)
30	QPSK	1	1	17.51	17.56	17.55	18.7	0.0	
Channel									
				496000	518698	530996	Tune-up limit		
				2498	2562.99	2549.98	(dBm)		MPR (dB)
20	QPSK	1	1	17.54	17.55	17.55	18.7	0.0	

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	Pi/2 BPSK	1	1	17.63	17.65	17.55			
100	Pi/2 BPSK	1	137	17.58	17.61	17.55	18.7	0.0	
100	Pi/2 BPSK	1	271	17.52	17.54	17.56			
100	Pi/2 BPSK	135	0	17.83	17.67	17.56	18.7	0.0	
100	Pi/2 BPSK	135	69	17.55	17.56	17.55	18.7	0.0	
100	Pi/2 BPSK	135	138	17.64	17.67	17.54	18.7	0.0	
100	Pi/2 BPSK	270	0	17.52	17.66	17.51			
100	QPSK	1	1	17.60	17.68	17.60			
100	QPSK	1	137	17.57	17.68	17.48	18.7	0.0	
100	QPSK	1	271	17.60	17.65	17.48			
100	QPSK	135	0	17.54	17.65	17.53			
100	QPSK	135	69	17.60	17.66	17.51	18.7	0.0	
100	QPSK	135	138	17.60	17.59	17.53			
100	QPSK	270	0	17.52	17.63	17.55	18.7	0.0	
100	16QAM	1	1	17.65	17.58	17.52	18.7	0.0	
100	64QAM	1	1	17.52	17.65	17.57	18.7	0.0	
100	256QAM	1	1	17.61	17.65	17.56	18.7	0.0	
Channel									
80	QPSK	1	1	17.57	17.62	17.50	18.7	0.0	
Channel									
80	QPSK	1	1	17.51	17.57	17.49	18.7	0.0	
Channel									
70	QPSK	1	1	17.56	17.54	17.57	18.7	0.0	
Channel									
60	QPSK	1	1	17.62	17.60	17.52	18.7	0.0	
Channel									
50	QPSK	1	1	17.57	17.64	17.50	18.7	0.0	
Channel									
40	QPSK	1	1	17.64	17.68	17.59	18.7	0.0	
Channel									
30	QPSK	1	1	17.51	17.56	17.55	18.7	0.0	
Channel									
20	QPSK	1	1	17.54	17.54	17.55	18.7	0.0	

FCC_n41_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi/2 BPSK	1	1	16.78	16.80	16.81			
100	Pi/2 BPSK	1	137	16.78	16.80	16.72	17.6	0.0	
100	Pi/2 BPSK	1	271	16.76	16.74	16.73			
100	Pi/2 BPSK	135	0	16.70	16.78	16.79	17.6	0.0	
100	Pi/2 BPSK	135	69	16.67	16.76	16.75	17.6	0.0	
100	Pi/2 BPSK	135	138	16.76	16.73	16.74	17.6	0.0	
100	Pi/2 BPSK	270	0	16.66	16.76	16.68			
100	QPSK	1	1	16.85	16.85	16.83			
100	QPSK	1	137	16.77	16.85	16.76	17.6	0.0	
100	QPSK	1	271	16.67	16.85	16.79			
100	QPSK	135	0	16.75	16.83	16.67			
100	QPSK	135	69	16.76	16.85	16.76	17.6	0.0	
100	QPSK	135	138	16.73	16.78	16.67			
100	QPSK	270	0	16.73	16.84	16.78	17.6	0.0	
100	16QAM	1	1	16.73	16.80	16.75	17.6	0.0	
100	64QAM	1	1	16.77	16.73	16.80	17.6	0.0	
100	256QAM	1	1	16.77	16.83	16.72	17.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.72	16.85	16.70	17.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.75	16.75	16.74	17.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.77	16.81	16.70	17.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.68	16.79	16.76	17.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.73	16.83	16.68	17.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.76	16.82	16.80	17.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.76	16.77	16.68	17.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.72	16.65	16.78	17.6	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	16.78	16.80	16.81	17.6	0.0	
100	Pi/2 BPSK	1	137	16.78	16.80	16.72			
100	Pi/2 BPSK	1	271	16.76	16.74	16.73			
100	Pi/2 BPSK	135	0	16.70	16.78	16.79	17.6	0.0	
100	Pi/2 BPSK	135	69	16.87	16.76	16.75	17.6	0.0	
100	Pi/2 BPSK	135	138	16.76	16.73	16.74	17.6	0.0	
100	Pi/2 BPSK	270	0	16.66	16.76	16.68	17.6	0.0	
100	QPSK	1	1	16.80	16.88	16.82			
100	QPSK	1	137	16.77	16.85	16.76			
100	QPSK	1	271	16.67	16.85	16.79	17.6	0.0	
100	QPSK	135	0	16.75	16.83	16.67	17.6	0.0	
100	QPSK	135	69	16.75	16.85	16.81			
100	QPSK	135	138	16.73	16.78	16.67			
100	QPSK	270	0	16.73	16.84	16.78	17.6	0.0	
100	16QAM	1	1	16.73	16.80	16.75	17.6	0.0	
100	64QAM	1	1	16.77	16.73	16.80	17.6	0.0	
100	256QAM	1	1	16.77	16.83	16.72	17.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.12	16.85	16.79	17.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.75	16.75	16.74	17.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.77	16.81	16.70	17.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.68	16.79	16.76	17.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.73	16.83	16.84	17.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.76	16.82	16.80	17.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.76	16.77	16.68	17.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.72	16.85	16.78	17.6	0.0	

FCC_n41_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi/2 BPSK	1	1	17.88	17.90	17.75	19.2	0.0	
100	Pi/2 BPSK	1	137	17.86	18.09	17.87			
100	Pi/2 BPSK	1	271	18.08	18.11	18.13			
100	Pi/2 BPSK	135	0	18.00	18.07	18.01	19.2	0.0	
100	Pi/2 BPSK	135	69	18.07	18.12	18.08	19.2	0.0	
100	Pi/2 BPSK	135	138	18.03	18.10	18.11	19.2	0.0	
100	Pi/2 BPSK	270	0	17.99	18.13	18.10	19.2	0.0	
100	QPSK	1	1	18.12	18.15	18.03			
100	QPSK	1	137	18.06	18.10	18.04			
100	QPSK	1	271	18.02	18.12	18.01	19.2	0.0	
100	QPSK	135	0	17.98	18.04	17.93	19.2	0.0	
100	QPSK	135	69	18.11	18.13	18.12			
100	QPSK	135	138	18.07	18.10	18.03			
100	QPSK	270	0	18.00	18.09	17.99	19.2	0.0	
100	16QAM	1	1	18.02	18.12	18.02	19.2	0.0	
100	64QAM	1	1	18.06	18.10	18.06	19.2	0.0	
100	256QAM	1	1	18.03	18.08	18.03	19.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.09	18.05	17.95	19.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.05	18.09	17.95	19.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.07	18.07	17.96	19.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.07	18.00	18.06	19.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.06	18.03	17.97	19.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.99	18.05	17.95	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.99	18.05	17.95	19.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.10	18.02	18.03	19.2	0.0	

FCC_n41(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi/2 BPSK	1	1	17.88	17.90	17.75	19.2	0.0	
100	Pi/2 BPSK	1	137	17.86	18.09	17.87			
100	Pi/2 BPSK	1	271	18.08	18.11	18.13			
100	Pi/2 BPSK	135	0	18.00	18.07	18.01	19.2	0.0	
100	Pi/2 BPSK	135	69	18.07	18.12	18.09	19.2	0.0	
100	Pi/2 BPSK	135	136	18.03	18.10	18.11	19.2	0.0	
100	Pi/2 BPSK	270	0	17.99	18.13	18.10	19.2	0.0	
100	QPSK	1	1	18.12	18.15	18.03			
100	QPSK	1	137	18.06	18.10	18.04			
100	QPSK	1	271	18.02	18.12	18.01	19.2	0.0	
100	QPSK	135	0	17.98	18.04	17.93	19.2	0.0	
100	QPSK	135	69	18.11	18.13	18.12			
100	QPSK	135	136	18.07	18.10	18.03			
100	QPSK	270	0	18.00	18.09	17.99	19.2	0.0	
100	16QAM	1	1	18.02	18.12	18.02	19.2	0.0	
100	64QAM	1	1	18.06	18.10	18.06	19.2	0.0	
100	256QAM	1	1	18.03	18.08	18.03	19.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.09	18.05	17.95	19.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.05	18.09	17.95	19.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.07	18.07	17.96	19.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.07	18.00	18.06	19.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.06	18.03	17.97	19.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.99	18.05	17.95	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.10	18.02	18.03	19.2	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				633332	3499.98				
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	18.32					
100	Pl2 BPSK	1	137	18.23			19.2	0.0	
100	Pl2 BPSK	1	271	18.23					
100	Pl2 BPSK	135	0	18.31			19.2	0.0	
100	Pl2 BPSK	135	69	18.24			19.2	0.0	
100	Pl2 BPSK	135	138	18.30					
100	Pl2 BPSK	270	0	18.31			19.2	0.0	
100	QPSK	1	1	18.38					
100	QPSK	1	137	18.27			19.2	0.0	
100	QPSK	1	271	18.34					
100	QPSK	135	0	18.33					
100	QPSK	135	69	18.37			19.2	0.0	
100	QPSK	135	138	18.36					
100	QPSK	270	0	18.30			19.2	0.0	
100	16QAM	1	1	18.31			19.2	0.0	
100	64QAM	1	1	18.34			19.2	0.0	
100	256QAM	1	1	18.37			19.2	0.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)	(dB)	
80	QPSK	1	1	18.22	18.21	18.12	19.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dB)	(dB)	
80	QPSK	1	1	18.21	18.24	18.19	19.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)	(dB)	
70	QPSK	1	1	18.27	18.28	18.15	19.2	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dB)	(dB)	
60	QPSK	1	1	18.32	18.29	18.10	19.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dB)	(dB)	
50	QPSK	1	1	18.28	18.19	18.09	19.2	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)	(dB)	
40	QPSK	1	1	18.21	18.27	18.23	19.2	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dB)	(dB)	
30	QPSK	1	1	18.32	18.21	18.15	19.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dB)	(dB)	
20	QPSK	1	1	18.23	18.24	18.10	19.2	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	650000			
Frequency (MHz)				3750	3840	3930			
100	Pl2 BPSK	1	1	18.10	18.13	18.13			
100	Pl2 BPSK	1	137	17.97	18.14	18.11	19.2	0.0	
100	Pl2 BPSK	1	271	18.00	18.13	18.14			
100	Pl2 BPSK	135	0	17.97	18.19	18.02	19.2	0.0	
100	Pl2 BPSK	135	69	17.99	18.18	18.00	19.2	0.0	
100	Pl2 BPSK	135	138	18.08	18.13	18.12			
100	Pl2 BPSK	270	0	17.98	18.08	18.07	19.2	0.0	
100	QPSK	1	1	18.12	18.20	18.15			
100	QPSK	1	137	18.06	18.17	18.05	19.2	0.0	
100	QPSK	1	271	17.98	18.15	18.05			
100	QPSK	135	0	18.02	18.10	18.11			
100	QPSK	135	69	18.11	18.16	18.13	19.2	0.0	
100	QPSK	135	138	18.10	18.08	18.11			
100	QPSK	270	0	18.11	18.12	18.12	19.2	0.0	
100	16QAM	1	1	18.06	18.12	18.08	19.2	0.0	
100	64QAM	1	1	18.08	18.08	18.00	19.2	0.0	
100	256QAM	1	1	18.03	18.14	18.07	19.2	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3740	3741.98	(dB)	(dB)	
80	QPSK	1	1	18.09	18.13	18.01	19.2	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.98	(dB)	(dB)	
80	QPSK	1	1	17.98	18.09	18.01	19.2	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dB)	(dB)	
70	QPSK	1	1	17.99	18.13	18.00	19.2	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3732.02	3840	3948.98	(dB)	(dB)	
60	QPSK	1	1	18.07	18.05	18.01	19.2	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dB)	(dB)	
50	QPSK	1	1	18.00	18.11	18.11	19.2	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dB)	(dB)	
40	QPSK	1	1	17.99	18.14	18.00	19.2	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dB)	(dB)	
30	QPSK	1	1	18.07	18.08	18.02	19.2	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.98	(dB)	(dB)	
20	QPSK	1	1	18.03	18.05	18.02	19.2	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	18.47					
100	Pl2 BPSK	1	137	18.49			20.2	0.0	
100	Pl2 BPSK	1	271	18.59					
100	Pl2 BPSK	135	0	18.57			20.2	0.0	
100	Pl2 BPSK	135	69	18.54			20.2	0.0	
100	Pl2 BPSK	135	138	18.55			20.2	0.0	
100	Pl2 BPSK	270	0	18.48					
100	QPSK	1	1	18.60					
100	QPSK	1	137	18.59			20.2	0.0	
100	QPSK	1	271	18.48					
100	QPSK	135	0	18.48					
100	QPSK	135	69	18.57			20.2	0.0	
100	QPSK	135	138	18.51					
100	QPSK	270	0	18.55			20.2	0.0	
100	16QAM	1	1	18.53			20.2	0.0	
100	64QAM	1	1	18.45			20.2	0.0	
100	256QAM	1	1	18.53			20.2	0.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)	(dB)	
80	QPSK	1	1	18.51	18.49	18.45	20.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dB)	(dB)	
80	QPSK	1	1	18.58	18.56	18.44	20.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)	(dB)	
70	QPSK	1	1	18.56	18.45	18.45	20.2	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dB)	(dB)	
60	QPSK	1	1	18.50	18.48	18.45	20.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	

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	656000	660000				
				3750	3840	3930				
100	Pl2 BPSK	1	1	18.47	18.59	18.51				
100	Pl2 BPSK	1	137	18.43	18.50	18.44	20.2	0.0		
100	Pl2 BPSK	1	271	18.40	18.58	18.41				
100	Pl2 BPSK	135	0	18.50	18.56	18.52	20.2	0.0		
100	Pl2 BPSK	135	69	18.47	18.49	18.44	20.2	0.0		
100	Pl2 BPSK	135	138	18.41	18.49	18.39				
100	Pl2 BPSK	270	0	18.49	18.62	18.47	20.2	0.0		
100	QPSK	1	1	18.55	18.63	18.53				
100	QPSK	1	137	18.47	18.51	18.40	20.2	0.0		
100	QPSK	1	271	18.48	18.58	18.41				
100	QPSK	135	0	18.42	18.56	18.48				
100	QPSK	135	69	18.57	18.61	18.51	20.2	0.0		
100	QPSK	135	138	18.47	18.60	18.43				
100	QPSK	270	0	18.50	18.59	18.48	20.2	0.0		
100	16QAM	1	1	18.52	18.57	18.48	20.2	0.0		
100	64QAM	1	1	18.53	18.51	18.43	20.2	0.0		
100	256QAM	1	1	18.42	18.60	18.48	20.2	0.0		
Channel										
Frequency (MHz)				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)		
				3745.02	3840	3924.98	(dB)			
80	QPSK	1	1	18.59	18.49	18.38	20.2	0.0		
Channel										
Frequency (MHz)				648334	656000	662666	Tune-up limit (dBm)	MPR (dB)		
				3740.01	3840	3939.99	(dB)			
80	QPSK	1	1	18.50	18.52	18.52	20.2	0.0		
Channel										
Frequency (MHz)				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)		
				3735	3840	3945	(dB)			
70	QPSK	1	1	18.54	18.49	18.41	20.2	0.0		
Channel										
Frequency (MHz)				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)		
				3725.01	3840	3924.99	(dB)			
60	QPSK	1	1	18.54	18.56	18.40	20.2	0.0		
Channel										
Frequency (MHz)				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)		
				3720.01	3840	3929.99	(dB)			
50	QPSK	1	1	18.54	18.50	18.52	20.2	0.0		
Channel										
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)		
				3720	3840	3960	(dB)			
40	QPSK	1	1	18.46	18.56	18.39	20.2	0.0		
Channel										
Frequency (MHz)				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)		
				3715.02	3840	3924.98	(dB)			
30	QPSK	1	1	18.45	18.50	18.40	20.2	0.0		
Channel										
Frequency (MHz)				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)		
				3710.01	3840	3929.99	(dB)			
20	QPSK	1	1	18.51	18.53	18.45	20.2	0.0		

Part27Q_n77_Ant 6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				639000	633332	634668				
				3469.98						
100	Pl2 BPSK	1	1		18.78					
100	Pl2 BPSK	1	137		18.73		20.2	0.0		
100	Pl2 BPSK	1	271		18.79					
100	Pl2 BPSK	135	0		18.70		20.2	0.0		
100	Pl2 BPSK	135	69		18.77		20.2	0.0		
100	Pl2 BPSK	135	138		18.71					
100	Pl2 BPSK	270	0		18.78		20.2	0.0		
100	QPSK	1	1		18.80					
100	QPSK	1	137		18.70		20.2	0.0		
100	QPSK	1	271		18.65					
100	QPSK	135	0		18.67					
100	QPSK	135	69		18.72		20.2	0.0		
100	QPSK	135	138		18.62					
100	QPSK	270	0		18.66		20.2	0.0		
100	16QAM	1	1		18.79		20.2	0.0		
100	64QAM	1	1		18.65		20.2	0.0		
100	256QAM	1	1		18.73		20.2	0.0		
Channel										
Frequency (MHz)				639000	633332	633668	Tune-up limit (dBm)	MPR (dB)		
				3465	3469.98	3504.98				
90	QPSK	1	1	18.77	18.59	18.63	20.2	0.0		
Channel										
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)		
				3460.02	3469.98	3510				
80	QPSK	1	1	18.65	18.66	18.64	20.2	0.0		
Channel										
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)		
				3465.01	3469.98	3514.98				
70	QPSK	1	1	18.70	18.69	18.69	20.2	0.0		
Channel										
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)		
				3460	3469.98	3518.98				
60	QPSK	1	1	18.78	18.63	18.60	20.2	0.0		
Channel										
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
				3475.02	3469.98	3525				
50	QPSK	1	1	18.68	18.71	18.63	20.2	0.0		
Channel										
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3469.98	3529.98				
40	QPSK	1	1	18.73	18.67	18.65	20.2	0.0		
Channel										
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)		
				3465	3469.98	3534.98				
30	QPSK	1	1	18.70	18.63	18.68	20.2	0.0		
Channel										
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
				3460.02	3469.98	3540				
20	QPSK	1	1	18.76	18.63	18.56	20.2	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				650000	650000	660000				
Frequency (MHz)				3750	3840	3930				
100	Pl2 BPSK	1	1	18.85	18.95	18.92				
100	Pl2 BPSK	1	137	18.77	18.90	18.83	20.2	0.0		
100	Pl2 BPSK	1	271	18.80	18.93	18.83				
100	Pl2 BPSK	135	0	18.77	18.98	18.85	20.2	0.0		
100	Pl2 BPSK	135	69	18.89	18.94	18.81	20.2	0.0		
100	Pl2 BPSK	135	138	18.81	18.98	18.83				
100	Pl2 BPSK	270	0	18.75	18.93	18.91				
100	QPSK	1	1	18.95	18.86	18.98				
100	QPSK	1	137	18.89	18.89	18.83	20.2	0.0		
100	QPSK	1	271	18.78	18.87	18.81				
100	QPSK	135	0	18.79	18.97	18.90				
100	QPSK	135	69	18.86	18.96	18.88	20.2	0.0		
100	QPSK	135	138	18.85	18.93	18.83				
100	QPSK	270	0	18.84	18.95	18.83	20.2	0.0		
100	16QAM	1	1	18.88	18.96	18.83	20.2	0.0		
100	16QAM	1	1	18.83	18.88	18.81	20.2	0.0		
100	256QAM	1	1	18.89	18.96	18.87	20.2	0.0		
Channel				646868	650000	662332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3743.02	3840	3934.98				
80	QPSK	1	1	18.98	18.87	18.90	20.2	0.0		
Channel				646334	650000	662666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3939.99				
80	QPSK	1	1	18.77	18.89	18.80	20.2	0.0		
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	18.79	18.96	18.91	20.2	0.0		
Channel				650000	650000	663332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.00	3840	3949.98				
60	QPSK	1	1	18.77	18.90	18.81	20.2	0.0		
Channel				646334	650000	663666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3959.99				
50	QPSK	1	1	18.87	18.92	18.79	20.2	0.0		
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730	3840	3960				
40	QPSK	1	1	18.76	18.87	18.80	20.2	0.0		
Channel				646334	650000	663666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	18.75	18.89	18.82	20.2	0.0		
Channel				646334	650000	668666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3969.99				
25	QPSK	1	1	18.89	18.84	18.84	20.2	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)				3499.98					
100	Pl2 BPSK	1	1	18.16					
100	Pl2 BPSK	1	137	18.15			19.7	0.0	
100	Pl2 BPSK	1	271	18.11					
100	Pl2 BPSK	135	0	18.04			19.7	0.0	
100	Pl2 BPSK	135	69	18.04			19.7	0.0	
100	Pl2 BPSK	135	138	18.07			19.7	0.0	
100	Pl2 BPSK	270	0	18.06					
100	QPSK	1	1	18.20					
100	QPSK	1	137	18.05			19.7	0.0	
100	QPSK	1	271	18.04					
100	QPSK	135	0	18.06					
100	QPSK	135	69	18.15			19.7	0.0	
100	QPSK	135	138	18.08					
100	QPSK	270	0	18.04			19.7	0.0	
100	16QAM	1	1	18.15			19.7	0.0	
100	64QAM	1	1	18.12			19.7	0.0	
100	256QAM	1	1	17.63			19.2	0.5	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	18.04	18.03	18.09	19.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.07	18.05	18.08	19.7	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	18.15	18.05	18.06	19.7	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	18.12	18.03	18.00	19.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	18.05	18.01	18.08	19.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.15	18.02	18.03	19.7	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	18.17	17.98	18.10	19.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	18.05	18.08	18.07	19.7	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	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	Pl2 BPSK	1	1	18.07	18.12	18.02			
100	Pl2 BPSK	1	137	18.02	18.06	17.97	19.7	0.0	
100	Pl2 BPSK	1	271	18.07	18.06	18.02			
100	Pl2 BPSK	135	0	17.97	18.17	17.96	19.7	0.0	
100	Pl2 BPSK	135	69	17.97	18.05	18.07	19.7	0.0	
100	Pl2 BPSK	135	138	18.09	18.13	17.85	19.7	0.0	
100	Pl2 BPSK	270	0	18.05	18.08	18.00			
100	QPSK	1	1	18.12	18.18	18.10			
100	QPSK	1	137	18.11	18.09	18.01	19.7	0.0	
100	QPSK	1	271	18.08	18.05	18.06			
100	QPSK	135	0	18.05	18.14	18.04			
100	QPSK	135	69	18.10	18.16	18.08	19.7	0.0	
100	QPSK	135	138	18.08	18.08	18.01			
100	QPSK	270	0	17.88	18.03	17.88	19.7	0.0	
100	16QAM	1	1	17.98	18.13	18.03	19.7	0.0	
100	64QAM	1	1	18.03	18.04	18.01	19.7	0.0	
100	256QAM	1	1	17.58	17.54	17.53	19.2	0.5	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3740	3741.98	(dBm)	(dB)	
80	QPSK	1	1	18.01	18.11	18.08	19.7	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3934.98	(dBm)	(dB)	
80	QPSK	1	1	18.09	18.17	18.04	19.7	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	18.11	18.13	18.05	19.7	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3732.01	3840	3954.98	(dBm)	(dB)	
60	QPSK	1	1	18.03	18.17	18.05	19.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)	(dB)	
50	QPSK	1	1	18.06	18.04	18.07	19.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	17.99	18.07	18.02	19.7	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	18.01	18.06	18.07	19.7	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.98	(dBm)	(dB)	
20	QPSK	1	1	18.08	18.10	18.07	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	18.58					
100	Pl2 BPSK	1	137	18.46			19.7		0.0
100	Pl2 BPSK	1	271	18.53					
100	Pl2 BPSK	135	0	18.49			19.7		0.0
100	Pl2 BPSK	135	69	18.49			19.7		0.0
100	Pl2 BPSK	135	138	18.50			19.7		0.0
100	Pl2 BPSK	270	0	18.48					
100	QPSK	1	1	18.60					
100	QPSK	1	137	18.57			19.7		0.0
100	QPSK	1	271	18.57					
100	QPSK	135	0	18.56					
100	QPSK	135	69	18.58			19.7		0.0
100	QPSK	135	138	18.47					
100	QPSK	270	0	18.53			19.7		0.0
100	16QAM	1	1	18.58			19.7		0.0
100	64QAM	1	1	18.50			19.7		0.0
100	256QAM	1	1	18.54			19.7		0.0
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	18.53	18.42	18.42	19.7		0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.59	18.52	18.49	19.7		0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	18.57	18.42	18.47	19.7		0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	18.57	18.51	18.41	19.7		0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				631668	3487.02	3499.98	3525	19.7	0.0
50	QPSK	1	1	18.52	18.42	18.42	19.7		0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.52	18.42	18.44	19.7		0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	18.52	18.43	18.51	19.7		0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	18.45	18.44	18.39	19.7		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			
Frequency (MHz)									
100	Pl2 BPSK	1	1	18.79			20.7	0.0	
100	Pl2 BPSK	1	137	18.74					
100	Pl2 BPSK	1	271	18.73					
100	Pl2 BPSK	135	0	18.83			20.7	0.0	
100	Pl2 BPSK	135	69	18.84			20.7	0.0	
100	Pl2 BPSK	135	138	18.75			20.7	0.0	
100	Pl2 BPSK	270	0	18.84					
100	QPSK	1	1	18.88					
100	QPSK	1	137	18.78			20.7	0.0	
100	QPSK	1	271	18.86					
100	QPSK	135	0	18.85					
100	QPSK	135	69	18.85			20.7	0.0	
100	QPSK	135	138	18.74					
100	QPSK	270	0	18.80					
100	16QAM	1	1	18.80			20.7	0.0	
100	64QAM	1	1	18.74			20.7	0.0	
100	256QAM	1	1	18.77			20.7	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	18.75	18.83	18.76	20.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.85	18.81	18.82	20.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	18.85	18.75	18.87	20.7	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	18.77	18.78	18.74	20.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	18.54	18.78	18.81	20.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.79	18.79	18.74	20.7	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	18.79	18.77	18.83	20.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	18.95	18.77	18.84	20.7	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			
Frequency (MHz)									
100	Pl2 BPSK	1	1	19.25			20.7	0.0	
100	Pl2 BPSK	1	137	19.26					
100	Pl2 BPSK	1	271	19.36					
100	Pl2 BPSK	135	0	19.33			20.7	0.0	
100	Pl2 BPSK	135	69	19.25			20.7	0.0	
100	Pl2 BPSK	135	138	19.31			20.7	0.0	
100	Pl2 BPSK	270	0	19.27					
100	QPSK	1	1	19.40					
100	QPSK	1	137	19.27			20.7	0.0	
100	QPSK	1	271	19.36					
100	QPSK	135	0	19.34					
100	QPSK	135	69	19.36			20.7	0.0	
100	QPSK	135	138	19.38					
100	QPSK	270	0	19.34					
100	16QAM	1	1	19.31			20.7	0.0	
100	64QAM	1	1	19.37			20.7	0.0	
100	256QAM	1	1	19.38			20.7	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
80	QPSK	1	1	19.19	19.33	19.28	20.7	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1	19.29	19.27	19.31	20.7	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	19.28	19.34	19.37	20.7	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3763.98	(dBm)	(dB)	
60	QPSK	1	1	19.29	19.31	19.34	20.7	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1	19.34	19.29	19.29	20.7	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.30	19.23	19.34	20.7	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3788.98	(dBm)	(dB)	
30	QPSK	1	1	19.36	19.29	19.29	20.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3793.98	(dBm)	(dB)	
20	QPSK	1	1	19.50	19.53	19.52	20.7	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	18.79			20.7	0.0	
100	Pl2 BPSK	1	137	18.74					
100	Pl2 BPSK	1	271	18.73					
100	Pl2 BPSK	135	0	18.83			20.7	0.0	
100	Pl2 BPSK	135	69	18.84			20.7	0.0	
100	Pl2 BPSK	135	138	18.75			20.7	0.0	
100	Pl2 BPSK	270	0	18.84					
100	QPSK	1	1	18.88					
100	QPSK	1	137	18.78			20.7	0.0	
100	QPSK	1	271	18.86					
100	QPSK	135	0	18.85					
100	QPSK	135	69	18.85			20.7	0.0	
100	QPSK	135	138	18.74					
100	QPSK	270	0	18.80					
100	16QAM	1	1	18.80			20.7	0.0	
100	64QAM	1	1	18.74			20.7	0.0	
100	256QAM	1	1	18.77			20.7	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	18.73	18.80	18.70	20.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.85	18.81	18.82	20.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	18.85	18.75	18.87	20.7	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	18.77	18.78	18.74	20.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	18.54	18.78	18.81	20.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.79	18.79	18.74	20.7	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	18.79	18.77	18.83	20.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	18.85	18.77	18.84	20.7	0.0	

Part270_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	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		19.25				
100	Pl2 BPSK	1	1		19.26		20.7	0.0	
100	Pl2 BPSK	1	271		19.36				
100	Pl2 BPSK	135	0		19.33		20.7	0.0	
100	Pl2 BPSK	135	69		19.25		20.7	0.0	
100	Pl2 BPSK	135	138		19.31		20.7	0.0	
100	Pl2 BPSK	270	0		19.27				
100	QPSK	1	1		19.40				
100	QPSK	1	137		19.27		20.7	0.0	
100	QPSK	1	271		19.36				
100	QPSK	135	0		19.34				
100	QPSK	135	69		19.36		20.7	0.0	
100	QPSK	135	138		19.36				
100	QPSK	270	0		19.34		20.7	0.0	
100	16QAM	1	1		19.31		20.7	0.0	
100	64QAM	1	1		19.37		20.7	0.0	
100	256QAM	1	1		19.39		20.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3754.98			
80	QPSK	1	1	650000	650000	650066	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3759.99			
Channel									
Frequency (MHz)									
80	QPSK	1	1	650000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3735	3750	3765			
70	QPSK	1	1	649998	650000	651332	Tune-up limit (dBm)	MPR (dB)	
				19.28	19.34	19.37	20.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	649998	650000	651668	Tune-up limit (dBm)	MPR (dB)	
				3730.01	3750	3764.98			
60	QPSK	1	1	650000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				19.29	19.31	19.34	20.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649834	650000	651668	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3774.99			
50	QPSK	1	1	650000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				19.34	19.29	19.29	20.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	649800	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
40	QPSK	1	1	650000	650000	652332	Tune-up limit (dBm)	MPR (dB)	
				19.30	19.23	19.34	20.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	649734	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3784.98			
30	QPSK	1	1	650000	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				19.36	19.29	19.29	20.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	649734	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3789.99			
20	QPSK	1	1	650000	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				19.30	19.33	19.32	20.7	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)									
100	Pl2 BPSK	1	1	3499.98	633332	3499.98			
100	Pl2 BPSK	1	1		20.40				
100	Pl2 BPSK	1	137		20.29		21.2		0.0
100	Pl2 BPSK	1	271		20.31				
100	Pl2 BPSK	135	0		20.32		21.2	0.0	
100	Pl2 BPSK	135	69		20.33		21.2	0.0	
100	Pl2 BPSK	135	138		20.34				
100	Pl2 BPSK	270	0		20.31		21.2	0.0	
100	QPSK	1	1	3499.98	633332	3499.98			
100	QPSK	1	137		20.37		21.2	0.0	
100	QPSK	1	271		20.30				
100	QPSK	135	0		20.35				
100	QPSK	135	69		20.41		21.2	0.0	
100	QPSK	135	138		20.35				
100	QPSK	270	0		20.27		21.2	0.0	
100	16QAM	1	1		20.37		21.2	0.0	
100	64QAM	1	1		20.37		21.2	0.0	
100	256QAM	1	1		20.31		21.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3495	3499.98	3504.98			
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3490.02	3499.98	3510			
Channel									
Frequency (MHz)									
70	QPSK	1	1	633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.29	20.29	20.28	21.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3485	3499.98	3518.98			
Channel									
Frequency (MHz)									
50	QPSK	1	1	633168	633332	633500	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3470.02	3499.98	3525			
Channel									
Frequency (MHz)									
40	QPSK	1	1	633134	633332	633532	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3470.01	3499.98	3529.98			
Channel									
Frequency (MHz)									
30	QPSK	1	1	633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3485	3499.98	3534.98			
Channel									
Frequency (MHz)									
20	QPSK	1	1	633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3460.02	3499.98	3548			
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.29	20.34	20.28	21.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750									
100	Pl2 BPSK	1	1		20.65			21.2	0.0
100	Pl2 BPSK	1	137		20.70				
100	Pl2 BPSK	1	271		20.64				
100	Pl2 BPSK	135	0		20.64			21.2	0.0
100	Pl2 BPSK	135	69		20.77			21.2	0.0
100	Pl2 BPSK	135	138		20.69			21.2	0.0
100	Pl2 BPSK	270	0		20.65			21.2	0.0
100	QPSK	1	1		20.76				
100	QPSK	1	137		20.76				
100	QPSK	1	271		20.70			21.2	0.0
100	QPSK	135	0		20.64				
100	QPSK	135	69		20.77				
100	QPSK	135	138		20.67			21.2	0.0
100	QPSK	270	0		20.70				
100	16QAM	1	1		20.70				
100	64QAM	1	1		20.66			21.2	0.0
100	256QAM	1	1		20.71			21.2	0.0
Channel									
Frequency (MHz)									
649668 650000 650332									
90	QPSK	1	1		3742.02	3750 3744.98		Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3740.01 3750 3769.99									
80	QPSK	1	1		20.69	20.74	20.77	21.2	0.0
Channel									
Frequency (MHz)									
649600 650000 651000									
70	QPSK	1	1		3739.09	3750 3769.98		Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		20.70	20.66	20.63	21.2	0.0
Channel									
Frequency (MHz)									
649666 650000 651362									
60	QPSK	1	1		3740.01	3750 3769.98		Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		20.75	20.63	20.73	21.2	0.0
Channel									
Frequency (MHz)									
648334 650000 651666									
50	QPSK	1	1		3725.01	3750 3774.99		Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		20.68	20.54	20.69	21.2	0.0
Channel									
Frequency (MHz)									
648000 650000 652000									
40	QPSK	1	1		3720	3750 3780		Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		20.64	20.73	20.77	21.2	0.0
Channel									
Frequency (MHz)									
3711.02 3750 3784.98									
30	QPSK	1	1		20.66	20.76	20.73	21.2	0.0
Channel									
Frequency (MHz)									
647334 650000 652666									
20	QPSK	1	1		3701.04	3750 3789.98		Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		20.67	20.68	20.63	21.2	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		3499.98	21.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	20.84			21.7	0.0	
100	Pl2 BPSK	1	137	20.76					
100	Pl2 BPSK	1	271	20.87			21.7	0.0	
100	Pl2 BPSK	135	0	20.82					
100	Pl2 BPSK	135	69	20.82			21.7	0.0	
100	Pl2 BPSK	135	138	20.77					
100	Pl2 BPSK	270	0	20.82			21.7	0.0	
100	QPSK	1	1	20.90					
100	QPSK	1	137	20.81			21.7	0.0	
100	QPSK	1	271	20.80					
100	QPSK	135	0	20.82			21.7	0.0	
100	QPSK	135	69	20.78					
100	QPSK	135	138	20.78			21.7	0.0	
100	QPSK	270	0	20.80					
100	16QAM	1	1	20.80			21.7	0.0	
100	64QAM	1	1	20.86					
100	256QAM	1	1	20.82			21.7	0.0	
Channel				633000	633332	633668		Tune-up limit	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		MPR (dB)
80	QPSK	1	1	20.13	20.69	20.79	21.7	0.0	
Channel				632668	633332	634000	Tune-up limit		MPR (dB)
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)		MPR (dB)
80	QPSK	1	1	20.78	20.81	20.85	21.7	0.0	
Channel				632334	633332	634332	Tune-up limit		MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		MPR (dB)
70	QPSK	1	1	20.89	20.76	20.84	21.7	0.0	
Channel				632000	633332	634668	Tune-up limit		MPR (dB)
Frequency (MHz)				3480	3499.98	3519.98	(dBm)		MPR (dB)
60	QPSK	1	1	20.77	20.78	20.84	21.7	0.0	
Channel				631668	633332	635000	Tune-up limit		MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		MPR (dB)
50	QPSK	1	1	20.57	20.69	20.86	21.7	0.0	
Channel				631334	633332	635332	Tune-up limit		MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		MPR (dB)
40	QPSK	1	1	20.77	20.83	20.82	21.7	0.0	
Channel				631000	633332	635668	Tune-up limit		MPR (dB)
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		MPR (dB)
30	QPSK	1	1	20.86	20.88	20.79	21.7	0.0	
Channel				630668	633332	636000	Tune-up limit		MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		MPR (dB)
20	QPSK	1	1	20.57	20.76	20.78	21.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750	21.7	0.0	
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	21.19			21.7	0.0	
100	Pl2 BPSK	1	137	21.13					
100	Pl2 BPSK	1	271	21.18			21.7	0.0	
100	Pl2 BPSK	135	0	21.16					
100	Pl2 BPSK	135	69	21.19			21.7	0.0	
100	Pl2 BPSK	135	138	21.15					
100	Pl2 BPSK	270	0	21.18			21.7	0.0	
100	QPSK	1	1	21.27					
100	QPSK	1	137	21.21			21.7	0.0	
100	QPSK	1	271	21.16					
100	QPSK	135	0	21.22			21.7	0.0	
100	QPSK	135	69	21.25					
100	QPSK	135	138	21.24			21.7	0.0	
100	QPSK	270	0	21.20					
100	16QAM	1	1	21.17			21.7	0.0	
100	64QAM	1	1	21.16					
100	256QAM	1	1	21.18			21.7	0.0	
Channel				649668	650000	650332		Tune-up limit	
Frequency (MHz)				3742.02	3750	3757.98	(dBm)		MPR (dB)
90	QPSK	1	1	21.09	21.19	21.18	21.7	0.0	
Channel				649334	650000	650668	Tune-up limit		MPR (dB)
Frequency (MHz)				3740.01	3750	3759.98	(dBm)		MPR (dB)
80	QPSK	1	1	21.10	21.19	21.16	21.7	0.0	
Channel				649000	650000	651000	Tune-up limit		MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)		MPR (dB)
70	QPSK	1	1	21.07	21.19	21.14	21.7	0.0	
Channel				648668	650000	651332	Tune-up limit		MPR (dB)
Frequency (MHz)				3730.02	3750	3763.98	(dBm)		MPR (dB)
60	QPSK	1	1	21.00	21.16	21.17	21.7	0.0	
Channel				648334	650000	651668	Tune-up limit		MPR (dB)
Frequency (MHz)				3725.01	3750	3774.98	(dBm)		MPR (dB)
50	QPSK	1	1	21.07	21.19	21.18	21.7	0.0	
Channel				648000	650000	652000	Tune-up limit		MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)		MPR (dB)
40	QPSK	1	1	21.10	21.09	21.16	21.7	0.0	
Channel				647668	650000	652332	Tune-up limit		MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		MPR (dB)
30	QPSK	1	1	20.99	21.14	21.19	21.7	0.0	
Channel				647334	650000	652668	Tune-up limit		MPR (dB)
Frequency (MHz)				3710.01	3750	3789.98	(dBm)		MPR (dB)
20	QPSK	1	1	21.02	21.12	21.08	21.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	18.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	16.47			18.2	0.0	
100	Pl2 BPSK	1	137	16.50					
100	Pl2 BPSK	1	271	16.50			18.2	0.0	
100	Pl2 BPSK	135	0	16.53					
100	Pl2 BPSK	135	69	16.45			18.2	0.0	
100	Pl2 BPSK	135	138	16.46					
100	Pl2 BPSK	270	0	16.45			18.2	0.0	
100	QPSK	1	1	16.00					
100	QPSK	1	137	16.45			18.2	0.0	
100	QPSK	1	271	16.49					
100	QPSK	135	0	16.50			18.2	0.0	
100	QPSK	135	69	16.55					
100	QPSK	135	138	16.55			18.2	0.0	
100	QPSK	270	0	16.55					
100	16QAM	1	1	16.58			18.2	0.0	
100	64QAM	1	1	16.51					
100	256QAM	1	1	16.49			18.2	0.0	
Channel				633000	633332	633668		Tune-up limit	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		MPR (dB)
90	QPSK	1	1	16.58	16.49	16.43	18.2	0.0	
Channel				632668	633332	634000	Tune-up limit		MPR (dB)
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)		MPR (dB)
80	QPSK	1	1	16.48	16.50	16.46	18.2	0.0	
Channel				632334	633332	634332	Tune-up limit		MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		MPR (dB)
70	QPSK	1	1	16.52	16.49	16.42	18.2	0.0	
Channel				632000	633332	634666	Tune-up limit		MPR (dB)
Frequency (MHz)				3480	3499.98	3519.98	(dBm)		MPR (dB)
60	QPSK	1	1	16.55	16.46	16.43	18.2	0.0	
Channel				631668	633332	635000	Tune-up limit		MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		MPR (dB)
50	QPSK	1	1	16.48	16.44	16.47	18.2	0.0	
Channel				631334	633332	635332	Tune-up limit		MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		MPR (dB)
40	QPSK	1	1	16.48	16.57	16.48	18.2	0.0	
Channel				631000	633332	635666	Tune-up limit		MPR (dB)
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		MPR (dB)
30	QPSK	1	1	16.56	16.51	16.49	18.2	0.0	
Channel				630668	633332	636000	Tune-up limit		MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		MPR (dB)
20	QPSK	1	1	16.61	16.50	16.50	18.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
650000									
3750									
100	PQ2 BPSK	1	1	17.07			18.2	0.0	
100	PQ2 BPSK	1	137	17.10					
100	PQ2 BPSK	1	271	17.01					
100	PQ2 BPSK	135	0	17.03			18.2	0.0	
100	PQ2 BPSK	135	69	17.02			18.2	0.0	
100	PQ2 BPSK	135	138	17.07			18.2	0.0	
100	PQ2 BPSK	270	0	17.09			18.2	0.0	
100	QPSK	1	1	17.12			18.2	0.0	
100	QPSK	1	137	17.07					
100	QPSK	1	271	16.97					
100	QPSK	135	0	17.04			18.2	0.0	
100	QPSK	135	69	17.06					
100	QPSK	135	138	17.07					
100	QPSK	270	0	17.02			18.2	0.0	
100	16QAM	1	1	17.07			18.2	0.0	
100	64QAM	1	1	17.10			18.2	0.0	
100	256QAM	1	1	17.05			18.2	0.0	
Channel									
Frequency (MHz)									
649668 650000 650332									
3745.02 3750 3754.98									
90	QPSK	1	1	16.94	16.96	16.96	18.2	0.0	
Channel									
Frequency (MHz)									
648334 650000 650668									
3740.01 3750 3759.99									
80	QPSK	1	1	16.95	17.03	16.91	18.2	0.0	
Channel									
Frequency (MHz)									
650000 650000 651000									
3750 3750 3760									
70	QPSK	1	1	17.03	17.03	16.98	18.2	0.0	
Channel									
Frequency (MHz)									
648668 650000 651332									
3740.02 3750 3749.98									
60	QPSK	1	1	17.04	17.06	17.01	18.2	0.0	
Channel									
Frequency (MHz)									
648334 650000 651668									
3725.01 3750 3774.99									
50	QPSK	1	1	17.04	17.05	16.94	18.2	0.0	
Channel									
Frequency (MHz)									
648000 650000 652000									
3720 3750 3780									
40	QPSK	1	1	17.01	17.04	17.04	18.2	0.0	
Channel									
Frequency (MHz)									
647668 650000 652332									
3715.02 3750 3784.98									
30	QPSK	1	1	16.91	17.02	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
647334 650000 652668									
3710.01 3750 3789.99									
20	QPSK	1	1	17.02	17.02	17.01	18.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3499.98									
100	Pl2 BPSK	1	1	16.47			18.2	0.0	
100	Pl2 BPSK	1	137	16.50					
100	Pl2 BPSK	1	271	16.50					
100	Pl2 BPSK	135	0	16.53			18.2	0.0	
100	Pl2 BPSK	135	69	16.45			18.2	0.0	
100	Pl2 BPSK	135	138	16.46			18.2	0.0	
100	Pl2 BPSK	270	0	16.45			18.2	0.0	
100	QPSK	1	1	16.60			18.2	0.0	
100	QPSK	1	137	16.45					
100	QPSK	1	271	16.49					
100	QPSK	135	0	16.50			18.2	0.0	
100	QPSK	135	69	16.56					
100	QPSK	135	138	16.55					
100	QPSK	270	0	16.55			18.2	0.0	
100	16QAM	1	1	16.58			18.2	0.0	
100	64QAM	1	1	16.51			18.2	0.0	
100	256QAM	1	1	16.48			18.2	0.0	
Channel									
Frequency (MHz)									
633000 633332 633668									
3495 3499.98 3504.98									
90	QPSK	1	1	16.58	16.46	16.43	18.2	0.0	
Channel									
Frequency (MHz)									
632668 633332 634000									
3490.02 3499.98 3510									
80	QPSK	1	1	16.48	16.50	16.46	18.2	0.0	
Channel									
Frequency (MHz)									
63485.01 3499.98 3514.98									
70	QPSK	1	1	16.52	16.49	16.42	18.2	0.0	
Channel									
Frequency (MHz)									
633200 633332 634668									
3490 3499.98 3518.98									
60	QPSK	1	1	16.55	16.46	16.43	18.2	0.0	
Channel									
Frequency (MHz)									
631668 633332 635000									
3475.02 3499.98 3525									
50	QPSK	1	1	16.46	16.44	16.47	18.2	0.0	
Channel									
Frequency (MHz)									
631334 633332 635332									
3470.01 3499.98 3529.98									
40	QPSK	1	1	16.48	16.57	16.48	18.2	0.0	
Channel									
Frequency (MHz)									
631000 633332 635668									
3465 3499.98 3534.98									
30	QPSK	1	1	16.56	16.51	16.48	18.2	0.0	
Channel									
Frequency (MHz)									
630668 633332 636000									
3460.02 3499.98 3540									
20	QPSK	1	1	16.51	16.50	16.50	18.2	0.0	

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)									
3750									
100	Pl2 BPSK	1	1	17.07				18.2	0.0
100	Pl2 BPSK	1	137	17.10					
100	Pl2 BPSK	1	271	17.01					
100	Pl2 BPSK	135	0	17.03				18.2	0.0
100	Pl2 BPSK	135	69	17.02				18.2	0.0
100	Pl2 BPSK	135	138	17.07				18.2	0.0
100	Pl2 BPSK	270	0	17.09				18.2	0.0
100	QPSK	1	1	17.12					
100	QPSK	1	137	17.07				18.2	0.0
100	QPSK	1	271	16.97					
100	QPSK	135	0	17.04					
100	QPSK	135	69	17.07				18.2	0.0
100	QPSK	135	138	17.02					
100	QPSK	270	0	17.02				18.2	0.0
100	16QAM	1	1	17.07				18.2	0.0
100	64QAM	1	1	17.10				18.2	0.0
100	256QAM	1	1	17.05				18.2	0.0
Channel									
				54965	55000	55032	Tune-up limit (dbm)	MPR	(db)
				37402	3750	3754.98			
90	QPSK	1	1	16.94	16.90	16.90	18.2	0.0	
Channel									
				54934	55000	55056	Tune-up limit (dbm)	MPR	(db)
				37401	3750	3759.99			
80	QPSK	1	1	16.99	17.03	16.91	18.2	0.0	
Channel									
				64950	65000	65100	Tune-up limit (dbm)	MPR	(db)
				37312	3750	3765			
70	QPSK	1	1	17.03	17.03	16.98	18.2	0.0	
Channel									
				64968	65000	65132	Tune-up limit (dbm)	MPR	(db)
				37312	3750	3768.88			
60	QPSK	1	1	17.04	17.06	17.01	18.2	0.0	
Channel									
				64834	65000	65166	Tune-up limit (dbm)	MPR	(db)
				37251	3750	3744.99			
Frequency (MHz)									
				17.04	17.04	16.94	18.2	0.0	
Channel									
				64900	65000	65000	Tune-up limit (dbm)	MPR	(db)
				3720	3750	3740			
Frequency (MHz)									
				17.01	17.04	17.04	18.2	0.0	
Channel									
				64789	65000	65232	Tune-up limit (dbm)	MPR	(db)
				3715.02	3750	3784.98			
30	QPSK	1	1	16.91	17.02	17.03	18.2	0.0	
Channel									
				64734	65000	65266	Tune-up limit (dbm)	MPR	(db)
				3710.01	3750	3789.99			
20	QPSK	1	1	17.02	17.02	17.01	18.2	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	22.91	22.92	22.91	24.2	0.0	
20	Pl2 BPSK	1	53	22.86	22.93	22.84			
20	Pl2 BPSK	1	104	22.78	22.89	22.83			
20	Pl2 BPSK	50	0	22.31	22.42	22.32	23.7	0.5	
20	Pl2 BPSK	50	28	22.86	22.92	22.87	24.2	0.0	
20	Pl2 BPSK	50	56	22.36	22.38	22.35	23.7	0.5	
20	Pl2 BPSK	100	0	22.38	22.43	22.32			
20	QPSK	1	1	22.87	22.96	22.93			
20	QPSK	1	53	22.77	22.87	22.83	24.2	0.0	
20	QPSK	1	104	22.73	22.86	22.72	23.7	0.5	
20	QPSK	50	0	22.28	22.40	22.28			
20	QPSK	50	28	22.83	22.89	22.85		24.2	
20	QPSK	50	56	22.33	22.36	22.30	23.7	0.5	
20	QPSK	100	0	22.34	22.37	22.27			
20	16QAM	1	1	22.17	22.18	22.09		23.2	
20	64QAM	1	1	21.72	21.78	21.67	22.7	1.5	
20	256QAM	1	1	21.24	21.32	21.30	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	22.83	22.89	22.90	24.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	22.81	22.84	22.85	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	22.74	22.87	22.83	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	16.64	16.78	16.66	17.8	0.0	
20	Pl2 BPSK	1	53	16.61	16.77	16.64			
20	Pl2 BPSK	1	104	16.66	16.65	16.72			
20	Pl2 BPSK	50	0	16.62	16.71	16.65	17.8	0.0	
20	Pl2 BPSK	50	28	16.70	16.70	16.62	17.8	0.0	
20	Pl2 BPSK	50	56	16.71	16.71	16.63	17.8	0.0	
20	Pl2 BPSK	100	0	16.60	16.72	16.72			
20	QPSK	1	1	16.72	16.80	16.76			
20	QPSK	1	53	16.60	16.72	16.69	17.8	0.0	
20	QPSK	1	104	16.70	16.70	16.61	17.8	0.0	
20	QPSK	50	0	16.65	16.76	16.72			
20	QPSK	50	28	16.63	16.76	16.70		17.8	
20	QPSK	50	56	16.62	16.72	16.72	17.8	0.0	
20	QPSK	100	0	16.66	16.74	16.71			
20	16QAM	1	1	16.68	16.73	16.72		17.8	
20	64QAM	1	1	16.62	16.73	16.61	17.8	0.0	
20	256QAM	1	1	16.61	16.72	16.64	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	16.70	16.65	16.62	17.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	16.61	16.68	16.65	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	16.66	16.70	16.71	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	24.32	24.40	24.25	25.7	0.0	
20	Pl2 BPSK	1	53	24.31	24.41	24.33			
20	Pl2 BPSK	1	104	24.29	24.39	24.36			
20	Pl2 BPSK	50	0	23.95	24.02	23.99	25.2	0.5	
20	Pl2 BPSK	50	28	24.40	24.45	24.48	25.7	0.0	
20	Pl2 BPSK	50	56	23.87	23.95	23.82	25.2	0.5	
20	Pl2 BPSK	100	0	23.90	24.03	23.90			
20	QPSK	1	1	24.44	24.50	24.46			
20	QPSK	1	53	24.32	24.38	24.33	25.7	0.0	
20	QPSK	1	104	24.31	24.33	24.32	25.2	0.5	
20	QPSK	50	0	23.88	23.98	23.86			
20	QPSK	50	28	24.47	24.48	24.30		25.7	
20	QPSK	50	56	23.87	23.95	23.86	25.2	0.5	
20	QPSK	100	0	23.81	23.89	23.84			
20	16QAM	1	1	23.82	23.82	23.50		24.7	
20	64QAM	1	1	23.17	23.18	23.05	24.2	1.5	
20	256QAM	1	1	22.66	22.77	22.66	23.7	2.0	
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.31	24.36	24.43	25.7	0.0	
Channel				166800	167500	168600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	843.5	844			
10	QPSK	1	1	24.41	24.42	24.32	25.7	0.0	
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	24.31	24.48	24.45	25.7	0.0	

n5_Ant 0									
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									
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	19.32	19.40	19.32			
20	PI2 BPSK	1	53	19.35	19.49	19.39	20.8	0.0	
20	PI2 BPSK	1	104	19.35	19.49	19.38			
20	PI2 BPSK	50	0	19.28	19.38	19.42	20.8	0.0	
20	PI2 BPSK	50	28	19.27	19.42	19.40	20.8	0.0	
20	PI2 BPSK	50	56	19.30	19.40	19.42			
20	PI2 BPSK	100	0	19.38	19.40	19.35	20.8	0.0	
20	QPSK	1	1	19.42	19.50	19.48			
20	QPSK	1	53	19.29	19.38	19.35	20.8	0.0	
20	QPSK	1	104	19.27	19.47	19.35			
20	QPSK	50	0	19.51	19.45	19.32	20.8	0.0	
20	QPSK	50	28	19.51	19.48	19.45	20.8	0.0	
20	QPSK	50	56	19.30	19.39	19.35			
20	QPSK	100	0	19.52	19.43	19.42	20.8	0.0	
20	16QAM	1	1	19.34	19.47	19.32	20.8	0.0	
20	64QAM	1	1	19.28	19.49	19.34	20.8	0.0	
20	256QAM	1	1	19.33	19.42	19.44	20.8	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	19.41	19.38	19.36	20.8	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	19.35	19.49	19.33	20.8	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	19.30	19.36	19.43	20.8	0.0	

n7_Ant 5									
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			
Frequency (MHz)				24.04	24.15	24.00			
40	PI2 BPSK	1	1	24.04	24.15	24.00			
40	PI2 BPSK	1	108	24.04	24.13	24.09	25.4	0.0	
40	PI2 BPSK	1	214	24.10	24.20	24.14			
40	PI2 BPSK	108	0	23.60	23.70	23.67	24.9	0.5	
40	PI2 BPSK	108	54	24.03	24.08	23.96	25.4	0.0	
40	PI2 BPSK	108	108	23.59	23.71	23.69			
40	PI2 BPSK	216	0	23.54	23.61	23.58	24.9	0.5	
40	QPSK	1	1	24.10	24.22	24.16			
40	QPSK	1	108	24.05	24.14	23.99	25.4	0.0	
40	QPSK	1	214	24.18	24.20	24.15			
40	QPSK	108	0	23.49	23.56	23.53	24.9	0.5	
40	QPSK	108	54	23.95	24.10	23.97	25.4	0.0	
40	QPSK	108	108	23.58	23.59	23.48			
40	QPSK	216	0	23.48	23.53	23.46	24.9	0.5	
40	16QAM	1	1	23.24	23.28	23.20	24.4	1.0	
40	64QAM	1	1	22.89	22.90	22.83	23.9	1.5	
40	256QAM	1	1	22.26	22.39	22.29	23.4	2.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	24.17	24.18	24.05	25.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	24.17	24.07	24.11	25.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	24.06	24.09	24.03	25.4	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	24.05	24.08	24.07	25.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2566			
10	QPSK	1	1	24.17	24.20	24.14	25.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	24.17	24.19	24.14	25.4	0.0	

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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			
Frequency (MHz)				24.04	24.15	24.00			
40	PI2 BPSK	1	1	15.21	15.26	15.15			
40	PI2 BPSK	1	108	15.14	15.19	15.19	16.4	0.0	
40	PI2 BPSK	1	214	15.20	15.29	15.12			
40	PI2 BPSK	108	0	15.12	15.27	15.15	16.4	0.0	
40	PI2 BPSK	108	54	15.09	15.28	15.19	16.4	0.0	
40	PI2 BPSK	108	108	15.15	15.20	15.20			
40	PI2 BPSK	216	0	15.13	15.29	15.17	16.4	0.0	
40	QPSK	1	1	15.22	15.30	15.27			
40	QPSK	1	108	15.08	15.19	15.12	16.4	0.0	
40	QPSK	1	214	15.21	15.29	15.21			
40	QPSK	108	0	15.16	15.15	15.17	16.4	0.0	
40	QPSK	108	54	15.17	15.28	15.22	16.4	0.0	
40	QPSK	108	108	15.15	15.24	15.15			
40	QPSK	216	0	15.11	15.19	15.12	16.4	0.0	
40	16QAM	1	1	15.17	15.16	15.24	16.4	0.0	
40	64QAM	1	1	15.11	15.23	15.12	16.4	0.0	
40	256QAM	1	1	15.10	15.25	15.13	16.4	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	15.21	15.28	15.23	16.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	15.13	15.24	15.16	16.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	15.13	15.29	15.18	16.4	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	15.15	15.17	15.19	16.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2566			
10	QPSK	1	1	15.14	15.18	15.15	16.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	15.07	15.20	15.21	16.4	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	PI2 BPSK	1	1	15.84	15.89	15.92			
40	PI2 BPSK	1	108	15.97	15.85	15.82	16.8		
40	PI2 BPSK	1	214	15.82	15.85	15.89			
40	PI2 BPSK	108	0	15.79	15.84	15.79	16.8		
40	PI2 BPSK	108	54	15.81	15.86	15.86	16.8		
40	PI2 BPSK	108	108	15.81	15.89	15.87			
40	PI2 BPSK	216	0	15.76	15.94	15.84	16.8		
40	QPSK	1	1	15.95	15.99	15.93			
40	QPSK	1	108	15.85	15.89	15.82	16.8		
40	QPSK	1	214	15.82	15.91	15.91			
40	QPSK	108	0	15.79	15.95	15.79	16.8		
40	QPSK	108	54	15.84	15.98	15.86	16.8		
40	QPSK	108	108	15.75	15.89	15.87			
40	QPSK	216	0	15.84	15.95	15.86	16.8		
40	16QAM	1	1	15.98	15.94	15.79	16.8		
40	64QAM	1	1	15.88	15.93	15.87	16.8		
40	256QAM	1	1	15.87	15.96	15.86	16.8		
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	15.88	15.88	15.86	16.8		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	15.94	15.91	15.81	15.8		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	15.81	15.89	15.79	15.8		
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	15.85	15.97	15.87	16.8		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	15.79	15.92	15.81	16.8		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	15.76	15.98	15.83	16.8		

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	PI2 BPSK	1	1	15.03	15.12	15.05			
40	PI2 BPSK	1	108	15.02	15.14	15.05	16.4		
40	PI2 BPSK	1	214	15.09	15.07	15.00			
40	PI2 BPSK	108	0	15.09	15.07	15.06	16.4		
40	PI2 BPSK	108	54	15.11	15.08	15.06	16.4		
40	PI2 BPSK	108	108	15.13	15.20	15.04			
40	PI2 BPSK	216	0	15.10	15.10	15.10	16.4		
40	QPSK	1	1	15.17	15.22	15.15			
40	QPSK	1	108	15.13	15.19	15.05	16.4		
40	QPSK	1	214	15.07	15.16	15.01			
40	QPSK	108	0	15.04	15.16	15.11	16.4		
40	QPSK	108	54	15.16	15.20	15.13	16.4		
40	QPSK	108	108	15.12	15.11	15.08			
40	QPSK	216	0	15.02	15.15	15.06	16.4		
40	16QAM	1	1	15.14	15.20	15.10	16.4		
40	64QAM	1	1	15.13	15.19	15.06	16.4		
40	256QAM	1	1	15.10	15.08	15.10	16.4		
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	15.16	15.18	15.12	16.4		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	15.03	15.15	15.13	15.4		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	15.02	15.08	15.09	16.4		
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	15.11	15.10	15.03	16.4		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	15.06	15.12	15.02	16.4		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	15.07	15.11	15.04	16.4		

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			
15	PI2 BPSK	1	1	22.46	22.58	22.45			
15	PI2 BPSK	1	40	22.60	22.66	22.56	24.2		
15	PI2 BPSK	1	77	22.62	22.69	22.59			
15	PI2 BPSK	36	0	22.15	22.26	22.25	23.7		
15	PI2 BPSK	36	22	22.64	22.74	22.71	24.2		
15	PI2 BPSK	36	43	22.19	22.25	22.16	23.7		
15	PI2 BPSK	75	0	22.20	22.26	22.19			
15	QPSK	1	1	22.58	22.77	22.75			
15	QPSK	1	40	22.62	22.66	22.62	24.2		
15	QPSK	1	77	22.60	22.69	22.57			
15	QPSK	36	0	22.19	22.27	22.18	23.7		
15	QPSK	36	22	22.74	22.75	22.72	24.2		
15	QPSK	36	43	22.22	22.25	22.23	23.7		
15	QPSK	75	0	22.20	22.26	22.16			
15	16QAM	1	1	21.84	21.90	21.84	23.2		
15	64QAM	1	1	21.35	21.45	21.35	22.7		
15	256QAM	1	1	21.05	21.17	21.11	22.2		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)		
10	QPSK	1	1	22.55	22.62	22.73	24.2		
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)		
5	QPSK	1	1	22.53	22.67	22.62	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	18.03	18.15	18.11	19.8	0.0	
15	Pl2 BPSK	1	40	18.08	18.12	18.14			
15	Pl2 BPSK	1	77	18.05	18.15	18.02			
15	Pl2 BPSK	36	0	18.09	18.19	18.12	19.8	0.0	
15	Pl2 BPSK	36	22	18.03	18.17	18.03	19.8	0.0	
15	Pl2 BPSK	36	43	18.02	18.12	18.05			
15	Pl2 BPSK	75	0	18.04	18.17	18.03	19.8	0.0	
15	QPSK	1	1	18.12	18.20	18.15			
15	QPSK	1	40	18.01	18.07	18.10	19.8	0.0	
15	QPSK	1	77	18.02	18.16	18.12			
15	QPSK	36	0	18.08	18.09	18.03	19.8	0.0	
15	QPSK	36	22	18.11	18.19	18.12	19.8	0.0	
15	QPSK	36	43	18.07	18.18	18.08			
15	QPSK	75	0	18.06	18.16	18.11	19.8	0.0	
15	16QAM	1	1	18.02	18.18	18.12	19.8	0.0	
15	64QAM	1	1	18.10	18.07	18.01	19.8	0.0	
15	256QAM	1	1	18.00	18.10	18.02	19.8	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	18.07	18.16	18.10	19.8	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				703.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	18.10	18.12	18.02	19.8	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	24.32	24.38	24.27	25.7	0.0	
20	Pl2 BPSK	1	53	24.29	24.39	24.24			
20	Pl2 BPSK	1	104	24.39	24.40	24.36			
20	Pl2 BPSK	50	0	23.89	23.97	23.90	25.2	0.5	
20	Pl2 BPSK	50	28	24.34	24.42	24.39	25.7	0.0	
20	Pl2 BPSK	50	56	23.94	24.00	23.93			
20	Pl2 BPSK	100	0	23.85	23.97	23.90	25.2	0.5	
20	QPSK	1	1	24.44	24.51	24.38			
20	QPSK	1	53	24.32	24.35	24.30	25.7	0.0	
20	QPSK	1	104	24.25	24.39	24.37			
20	QPSK	50	0	23.88	23.92	23.85	25.2	0.5	
20	QPSK	50	28	24.43	24.45	24.31	25.7	0.0	
20	QPSK	50	56	23.90	23.96	23.95			
20	QPSK	100	0	23.86	23.91	23.80	25.2	0.5	
20	16QAM	1	1	23.84	23.87	23.80	24.7	1.0	
20	64QAM	1	1	23.14	23.24	23.10	24.2	1.5	
20	256QAM	1	1	22.67	22.82	22.73	23.7	2.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.30	24.43	24.26	25.7	0.0	
Channel				163800	166300	166800	Tune-up limit	MPR	
Frequency (MHz)				810	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.31	24.42	24.30	25.7	0.0	
Channel				163300	166300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	24.39	24.30	24.25	25.7	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	19.50	19.57	19.43	20.8	0.0	
20	Pl2 BPSK	1	53	19.53	19.54	19.56			
20	Pl2 BPSK	1	104	19.58	19.66	19.49			
20	Pl2 BPSK	50	0	19.47	19.66	19.51	20.8	0.0	
20	Pl2 BPSK	50	28	19.55	19.54	19.51	20.8	0.0	
20	Pl2 BPSK	50	56	19.56	19.63	19.56			
20	Pl2 BPSK	100	0	19.52	19.64	19.46	20.8	0.0	
20	QPSK	1	1	19.62	19.69	19.58			
20	QPSK	1	53	19.59	19.56	19.55	20.8	0.0	
20	QPSK	1	104	19.67	19.65	19.53			
20	QPSK	50	0	19.48	19.66	19.54	20.8	0.0	
20	QPSK	50	28	19.60	19.67	19.50	20.8	0.0	
20	QPSK	50	56	19.54	19.59	19.53			
20	QPSK	100	0	19.53	19.59	19.55	20.8	0.0	
20	16QAM	1	1	19.56	19.56	19.53	20.8	0.0	
20	64QAM	1	1	19.52	19.60	19.54	20.8	0.0	
20	256QAM	1	1	19.47	19.64	19.55	20.8	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	19.58	19.61	19.50	20.8	0.0	
Channel				163800	166300	166800	Tune-up limit	MPR	
Frequency (MHz)				810	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	19.47	19.55	19.52	20.8	0.0	
Channel				163300	166300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	19.60	19.54	19.46	20.8	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1741	1743	1760			
40	PI2 BPSK	1	1	24.10	24.20	24.08	25.4	0.0	
40	PI2 BPSK	1	108	24.13	24.23	24.20			
40	PI2 BPSK	1	214	23.94	24.08	23.99			
40	PI2 BPSK	108	0	23.74	23.80	23.74	24.9	0.5	
40	PI2 BPSK	108	54	24.14	24.22	24.07	25.4	0.0	
40	PI2 BPSK	108	108	23.91	23.75	23.71	24.9	0.5	
40	PI2 BPSK	216	0	23.66	23.76	23.71			
40	QPSK	1	1	24.18	24.26	24.20			
40	QPSK	1	108	24.16	24.25	24.15	25.4	0.0	
40	QPSK	1	214	24.09	24.13	24.07			
40	QPSK	108	0	22.95	22.98	22.93	24.4	1.0	
40	QPSK	108	54	24.05	24.20	24.06	25.4	0.0	
40	QPSK	108	108	22.93	22.91	22.98	24.4	1.0	
40	QPSK	216	0	22.96	23.00	22.98			
40	16QAM	1	1	23.30	23.38	23.28	24.4	1.0	
40	64QAM	1	1	22.82	22.88	22.87	23.9	1.5	
40	256QAM	1	1	22.50	22.51	22.41	23.4	2.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.07	24.12	24.09	25.4	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	24.10	24.23	24.15	25.4	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.08	24.18	24.05	25.4	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	24.10	24.20	24.06	25.4	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.09	24.20	24.18	25.4	0.0	

n66_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 344000	Power Middle Ch. 1 Freq. 349000	Power High Ch. 1 Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1725	1745	1760			
40	PI2 BPSK	1	1	15.91	15.99	15.94	16.6	0.0	
40	PI2 BPSK	1	108	16.00	16.04	15.93			
40	PI2 BPSK	1	214	15.98	15.97	15.91			
40	PI2 BPSK	108	0	15.90	16.09	15.92	16.6	0.0	
40	PI2 BPSK	108	54	15.98	15.95	15.96	16.6	0.0	
40	PI2 BPSK	108	108	15.90	16.03	15.97			
40	PI2 BPSK	216	0	15.97	16.09	15.99	16.6	0.0	
40	QPSK	1	1	16.02	16.10	16.00			
40	QPSK	1	108	15.97	15.96	15.89	16.6	0.0	
40	QPSK	1	214	15.91	16.00	15.93			
40	QPSK	108	0	15.90	16.05	15.90	16.6	0.0	
40	QPSK	108	54	16.00	16.08	15.95	16.6	0.0	
40	QPSK	108	108	15.89	16.02	15.93			
40	QPSK	216	0	15.90	16.05	15.97	16.6	0.0	
40	16QAM	1	1	15.96	16.00	15.92	16.6	0.0	
40	64QAM	1	1	15.98	16.01	15.88	16.6	0.0	
40	256QAM	1	1	15.95	15.99	15.92	16.6	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	15.95	16.02	15.94	16.6	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	15.94	16.07	15.93	16.6	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.96	16.02	15.86	16.6	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.87	16.06	15.88	16.6	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.87	16.00	15.88	16.6	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	20.13	20.29	20.08	21.3	0.0	
40	PI2 BPSK	1	108	20.15	20.22	20.12			
40	PI2 BPSK	1	214	20.13	20.25	20.10			
40	PI2 BPSK	108	0	20.14	20.19	20.13	21.3	0.0	
40	PI2 BPSK	108	54	20.21	20.27	20.09	21.3	0.0	
40	PI2 BPSK	108	108	20.08	20.20	20.08	21.3	0.0	
40	PI2 BPSK	216	0	20.14	20.23	20.16	21.3	0.0	
40	QPSK	1	1	20.22	20.32	20.20			
40	QPSK	1	108	20.11	20.27	20.10	21.3	0.0	
40	QPSK	1	214	20.16	20.29	20.16	21.3	0.0	
40	QPSK	108	0	20.15	20.27	20.08	21.3	0.0	
40	QPSK	108	54	20.20	20.30	20.13	21.3	0.0	
40	QPSK	108	108	20.19	20.25	20.11	21.3	0.0	
40	QPSK	216	0	20.16	20.28	20.07	21.3	0.0	
40	16QAM	1	1	20.16	20.20	20.07	21.3	0.0	
40	64QAM	1	1	20.17	20.31	20.11	21.3	0.0	
40	256QAM	1	1	20.09	20.18	20.14	21.3	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.17	20.24	20.09	21.3	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	20.16	20.31	20.05	21.3	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.12	20.20	20.13	21.3	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.16	20.23	20.11	21.3	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.08	20.29	20.15	21.3	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	17.5	0.0
Frequency (MHz)				15.88	15.91	15.80		
40	PI2 BPSK	1	1	15.88	15.91	15.80		
40	PI2 BPSK	1	108	15.88	15.88	15.84	17.5	0.0
40	PI2 BPSK	1	214	15.82	15.93	15.84		
40	PI2 BPSK	108	0	15.80	15.92	15.80		
40	PI2 BPSK	108	54	15.77	15.94	15.80	17.5	0.0
40	PI2 BPSK	108	108	15.76	15.89	15.87		
40	PI2 BPSK	216	0	15.80	15.98	15.80		
40	QPSK	1	1	15.90	15.99	15.94	17.5	0.0
40	QPSK	1	108	15.81	15.87	15.83		
40	QPSK	1	214	15.87	15.90	15.90		
40	QPSK	108	0	15.77	15.84	15.92	17.5	0.0
40	QPSK	108	54	15.80	15.96	15.93		
40	QPSK	108	108	15.76	15.89	15.85		
40	QPSK	216	0	15.76	15.83	15.80	17.5	0.0
40	16QAM	1	1	15.84	15.97	15.81		
40	64QAM	1	1	15.79	15.97	15.79		
40	256QAM	1	1	15.75	15.95	15.82	17.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.82	15.89	15.80	17.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.81	15.98	15.80	17.5	0.0
Channel				343000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.79	15.84	15.90	17.5	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.84	15.84	15.89	17.5	0.0
Channel				342500	349000	355000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.86	15.88	15.86	17.5	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				518004	518000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl/2 BPSK	1	1	24.08	24.18	24.04	25.4	0.0	
40	Pl/2 BPSK	1	53	24.00	24.01	23.96			
40	Pl/2 BPSK	1	104	24.09	24.15	24.07			
40	Pl/2 BPSK	50	0	23.42	23.56	23.53	24.9	0.5	
40	Pl/2 BPSK	50	28	24.03	24.05	24.01	25.4	0.0	
40	Pl/2 BPSK	50	56	23.53	23.63	23.48	24.9	0.5	
40	Pl/2 BPSK	100	0	23.45	23.56	23.44			
40	QPSK	1	1	23.18	23.20	23.11			
40	QPSK	1	53	23.96	23.99	23.91	25.4	0.0	
40	QPSK	1	104	24.09	24.15	24.03	25.4	0.0	
40	QPSK	50	0	23.45	23.50	23.46			
40	QPSK	50	28	23.78	24.06	24.05			
40	QPSK	50	56	23.80	23.64	23.56	24.9	0.5	
40	QPSK	100	0	23.46	23.48	23.46			
40	16QAM	1	1	22.20	22.30	22.19	24.4	1.0	
40	64QAM	1	1	22.83	22.86	22.83	23.6	1.5	
40	256QAM	1	1	22.33	22.45	22.41	23.4	2.0	
Channel				517002	519000	520998	Tune-up limit (dBm)		
30	QPSK	1	1	24.11	24.11	24.08	25.4	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)		
20	QPSK	1	1	24.10	24.05	24.04	25.4	0.0	
Channel				515002	519000	522998	Tune-up limit (dBm)		
15	QPSK	1	1	24.13	24.16	24.03	25.4	0.0	
Channel				517004	519000	522996	Tune-up limit (dBm)		
10	QPSK	1	1	24.15	24.17	24.04	25.4	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	PQ2 BPSK	1	1	15.71	15.71	15.71	16.8	0.0	
40	PQ2 BPSK	1	53	15.65	15.68	15.74			
40	PQ2 BPSK	1	104	15.61	15.81	15.71			
40	PQ2 BPSK	50	0	15.63	15.73	15.66	16.8	0.0	
40	PQ2 BPSK	50	28	15.69	15.75	15.71	16.8	0.0	
40	PQ2 BPSK	50	56	15.73	15.75	15.75	16.8	0.0	
40	PQ2 BPSK	100	0	15.67	15.70	15.72			
40	QPSK	1	1	15.76	15.82	15.78			
40	QPSK	1	53	15.66	15.81	15.63	16.8	0.0	
40	QPSK	1	104	15.62	15.75	15.65	16.8	0.0	
40	QPSK	50	0	15.61	15.79	15.65			
40	QPSK	50	28	15.76	15.80	15.75			
40	QPSK	50	56	15.64	15.68	15.68	16.8	0.0	
40	QPSK	100	0	15.68	15.74	15.66			
40	16QAM	1	1	15.73	15.78	15.64	16.8	0.0	
40	64QAM	1	1	15.65	15.71	15.63	16.8	0.0	
40	256QAM	1	1	15.69	15.78	15.64	16.8	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.67	15.74	15.74	16.8	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.65	15.75	15.65	16.8	0.0	
Channel									
Frequency (MHz)				517002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.66	15.70	15.71	16.8	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.66	15.75	15.75	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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl/2 BPSK	1	1	16.80	16.89	16.84	17.8	0.0	
40	Pl/2 BPSK	1	53	16.75	16.88	16.83			
40	Pl/2 BPSK	1	104	16.73	16.87	16.89			
40	Pl/2 BPSK	50	0	16.75	16.83	16.88	17.8	0.0	
40	Pl/2 BPSK	50	28	16.80	16.85	16.83	17.8		
40	Pl/2 BPSK	50	56	16.80	16.86	16.81	17.8		
40	Pl/2 BPSK	100	0	16.78	16.91	16.87			
40	QPSK	1	1	16.88	16.95	16.93			
40	QPSK	1	53	16.82	16.93	16.79	17.8		
40	QPSK	1	104	16.84	16.88	16.86	17.8		
40	QPSK	50	0	16.80	16.80	16.76			
40	QPSK	50	28	16.76	16.93	16.76			
40	QPSK	50	56	16.82	16.82	16.76	17.8		
40	QPSK	100	0	16.83	16.88	16.82			
40	16QAM	1	1	16.81	16.81	16.88	17.8		
40	64QAM	1	1	16.76	16.84	16.88	17.8		
40	256QAM	1	1	16.74	16.94	16.81	17.8		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.85	16.91	16.86	17.8		
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.87	16.92	16.87	17.8		
Channel				517002	519000	522998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.81	16.86	16.87	17.8		
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.77	16.80	16.85	17.8		

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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				159004	25900	519996			
40	PQ2 BPSK	1	1	15.09	15.19	15.14		16.6	0.0
40	PQ2 BPSK	1	53	15.09	15.29	15.16			
40	PQ2 BPSK	1	104	15.17	15.23	15.09		16.6	0.0
40	PQ2 BPSK	50	0	15.10	15.21	15.11			
40	PQ2 BPSK	50	28	15.10	15.16	15.16		16.6	0.0
40	PQ2 BPSK	50	56	15.08	15.26	15.07		16.6	0.0
40	PQ2 BPSK	100	0	15.21	15.16	15.09		16.6	0.0
40	QPSK	1	1	15.22	15.30	15.19		16.6	0.0
40	QPSK	1	53	15.07	15.17	15.18			
40	QPSK	1	104	15.11	15.29	15.13		16.6	0.0
40	QPSK	50	0	15.14	15.27	15.14			
40	QPSK	50	28	15.11	15.26	15.17		16.6	0.0
40	QPSK	50	56	15.08	15.22	15.08		16.6	0.0
40	QPSK	100	0	15.09	15.27	15.10		16.6	0.0
40	16QAM	1	1	15.08	15.15	15.15		16.6	0.0
40	64QAM	1	1	15.12	15.19	15.05		16.6	0.0
40	256QAM	1	1	15.21	15.24	15.04		16.6	0.0
Channel				517002	516900	520988	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2595.51	25950	2604.99			
Channel				516900	519000	522000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.18	15.29	15.15		16.6	0.0
Channel				26010	26000	26100	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.12	15.19	15.16		16.6	0.0
Channel				515052	519000	522488	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2677.51	26990	26612.49			
Channel				515004	519000	522986	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.14	15.22	15.13		16.6	0.0
Channel				2575.52	25990	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.17	15.19	15.08		16.6	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	21.94	22.03	21.91	23.2	0.0	
100	PQ2 BPSK	1	137	22.00	22.06	22.02			
100	PQ2 BPSK	1	271	21.95	22.05	21.97	23.2	0.0	
100	PQ2 BPSK	135	0	21.94	22.01	21.88			
100	PQ2 BPSK	135	69	21.89	22.02	22.00	23.2	0.0	
100	PQ2 BPSK	135	138	21.92	22.05	21.95	23.2	0.0	
100	PQ2 BPSK	270	0	21.96	21.98	21.93	23.2	0.0	
100	QPSK	1	1	21.98	22.06	21.90			
100	QPSK	1	137	21.94	22.06	21.96	23.2	0.0	
100	QPSK	1	271	21.95	22.04	21.90	23.2	0.0	
100	QPSK	135	0	21.90	22.02	21.85			
100	QPSK	135	69	21.85	22.05	22.01	23.2	0.0	
100	QPSK	135	138	21.92	22.04	21.89	23.2	0.0	
100	QPSK	270	0	21.92	21.94	21.86	23.2	0.0	
100	16QAM	1	1	21.90	21.98	21.87	23.2	0.0	
100	64QAM	1	1	21.88	21.86	21.87	23.2	0.0	
100	256QAM	1	1	21.93	22.00	21.90	23.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.81	22.01	21.83	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.83	21.96	21.89	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.90	21.98	21.92	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.83	22.07	22.00	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.87	21.93	22.00	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.89	22.09	22.01	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.84	22.04	21.94	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.85	22.04	21.87	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.89	22.06	21.97	Tune-up limit (dBm)	MPR	(dB)

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	25.03	25.12	24.98		26.2	0.0
100	PQ2 BPSK	1	137	24.76	24.83	24.77			
100	PQ2 BPSK	1	271	24.85	25.02	24.96		26.2	0.0
100	PQ2 BPSK	135	0	24.41	24.47	24.33			
100	PQ2 BPSK	135	69	24.87	25.02	24.99		26.2	0.0
100	PQ2 BPSK	135	138	24.27	24.36	24.30		26.2	0.0
100	PQ2 BPSK	270	0	24.32	24.35	24.28		26.2	0.0
100	QPSK	1	1	25.21	25.22	25.20		26.2	0.0
100	QPSK	1	137	24.87	24.93	24.91			
100	QPSK	1	271	24.95	24.97	24.87		26.2	0.0
100	QPSK	135	0	24.43	24.51	24.49			
100	QPSK	135	69	24.75	25.10	24.81		26.2	0.0
100	QPSK	135	138	24.36	24.39	24.32		26.2	0.0
100	QPSK	270	0	24.30	24.37	24.22		26.2	0.0
100	16QAM	1	1	24.47	24.50	24.43		26.2	0.0
100	64QAM	1	1	23.88	23.91	23.90		26.2	0.0
100	256QAM	1	1	23.58	23.68	23.59		26.2	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.14	25.18	25.19	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.0204	25.0988	25.0988	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.06	25.062	25.049	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.08	25.20	25.12	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.14	25.13	25.19	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.0204	25.0988	25.0988	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.06	25.062	25.079	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.08	25.13	25.19	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.15	25.15	25.19	Tune-up limit (dBm)	MPR	

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	Pi/2 BPSK	1	1	15.55	15.61	15.53				
100	Pi/2 BPSK	1	137	15.49	15.66	15.48	16.7	0.0		
100	Pi/2 BPSK	1	271	15.51	15.63	15.55				
100	Pi/2 BPSK	135	0	15.52	15.56	15.58	16.7	0.0		
100	Pi/2 BPSK	135	69	15.54	15.64	15.55	16.7	0.0		
100	Pi/2 BPSK	135	138	15.60	15.62	15.46	16.7	0.0		
100	Pi/2 BPSK	270	0	15.55	15.55	15.57	16.7	0.0		
100	QPSK	1	1	15.55	15.68	15.61				
100	QPSK	1	137	15.47	15.57	15.53	16.7	0.0		
100	QPSK	1	271	15.60	15.66	15.59				
100	QPSK	135	0	15.51	15.60	15.51				
100	QPSK	135	69	15.71	15.65	15.77	16.7	0.0		
100	QPSK	135	138	15.54	15.61	15.49				
100	QPSK	270	0	15.59	15.61	15.50	16.7	0.0		
100	16QAM	1	1	15.50	15.65	15.52	16.7	0.0		
100	64QAM	1	1	15.48	15.63	15.55	16.7	0.0		
100	256QAM	1	1	15.47	15.63	15.46	16.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	15.56	15.59	15.52	Tune-up limit (dBm)	MPR (dB)		
				2241	2252	2244	16.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	15.56	15.64	15.51	Tune-up limit (dBm)	MPR (dB)		
				2242	2262	2249	16.7	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	15.52	15.63	15.57	Tune-up limit (dBm)	MPR (dB)		
				2024	2059	2039	16.7	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	15.47	15.53	15.51	Tune-up limit (dBm)	MPR (dB)		
				1918	1932	1910	16.7	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	15.55	15.61	15.54	Tune-up limit (dBm)	MPR (dB)		
				1501	1509	1498	16.7	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	15.59	15.56	15.55	Tune-up limit (dBm)	MPR (dB)		
				2242	2252	2244	16.7	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	15.59	15.63	15.58	Tune-up limit (dBm)	MPR (dB)		
				49620	49705	49706	16.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	15.55	15.62	15.55	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	Pi/2 BPSK	1	1	15.55	15.61	15.53				
100	Pi/2 BPSK	1	137	15.49	15.66	15.48	16.7	0.0		
100	Pi/2 BPSK	1	271	15.51	15.63	15.55				
100	Pi/2 BPSK	135	0	15.52	15.56	15.58	16.7	0.0		
100	Pi/2 BPSK	135	69	15.54	15.64	15.55	16.7	0.0		
100	Pi/2 BPSK	135	138	15.60	15.62	15.45	16.7	0.0		
100	Pi/2 BPSK	270	0	15.55	15.55	15.57	16.7	0.0		
100	QPSK	1	1	15.52	15.68	15.61				
100	QPSK	1	137	15.47	15.57	15.53	16.7	0.0		
100	QPSK	1	271	15.60	15.66	15.59				
100	QPSK	135	0	15.51	15.60	15.51				
100	QPSK	135	69	15.60	15.65	15.77	16.7	0.0		
100	QPSK	135	138	15.54	15.61	15.49				
100	QPSK	270	0	15.59	15.61	15.50	16.7	0.0		
100	16QAM	1	1	15.50	15.65	15.52	16.7	0.0		
100	64QAM	1	1	15.48	15.63	15.55	16.7	0.0		
100	256QAM	1	1	15.47	15.63	15.46	16.7	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	15.55	15.55	15.46	16.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	15.56	15.64	15.51	16.7	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	15.52	15.63	15.57	16.7	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	15.47	15.53	15.51	16.7	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	15.55	15.61	15.54	16.7	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	15.59	15.56	15.55	16.7	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	15.59	15.63	15.58	16.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	15.55	15.62	15.55	16.7	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	Pi/2 BPSK	1	1	13.18	13.26	13.16				
100	Pi/2 BPSK	1	137	13.09	13.25	13.13	14.1	0.0		
100	Pi/2 BPSK	1	271	13.16	13.29	13.13				
100	Pi/2 BPSK	135	0	13.08	13.20	13.19	14.1	0.0		
100	Pi/2 BPSK	135	69	13.17	13.29	13.15	14.1	0.0		
100	Pi/2 BPSK	135	138	13.14	13.23	13.16				
100	Pi/2 BPSK	270	0	13.08	13.21	13.11	14.1	0.0		
100	QPSK	1	1	13.22	13.30	13.25				
100	QPSK	1	137	13.13	13.28	13.24	14.1	0.0		
100	QPSK	1	271	13.09	13.23	13.14				
100	QPSK	135	0	13.13	13.27	13.15				
100	QPSK	135	69	13.25	13.25	13.25	14.1	0.0		
100	QPSK	135	138	13.12	13.25	13.17				
100	QPSK	270	0	13.08	13.24	13.20	14.1	0.0		
100	16QAM	1	1	13.18	13.18	13.20	14.1	0.0		
100	64QAM	1	1	13.21	13.18	13.12	14.1	0.0		
100	256QAM	1	1	13.15	13.27	13.24	14.1	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	13.19	13.24	13.11	14.1	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	13.21	13.15	13.18	14.1	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	13.26	13.19	13.16	14.1	0.0		
70	QPSK	1	1	13.17	13.18	13.12	14.1	0.0		
70	QPSK	1	1	13.09	13.16	13.09	14.1	0.0		
70	QPSK	1	1	13.02	13.02	13.02	14.1	0.0		
70	QPSK	1	1	13.14	13.17	13.20	14.1	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	13.20	13.15	13.15	14.1	0.0		
60	QPSK	1	1	13.12	13.12	13.25	14.1	0.0		
60	QPSK	1	1	13.04	13.04	13.04	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.22	13.22	13.22	14.1	0.0		
60	QPSK	1	1	13.16	13.16	13.16	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	0.0		
60	QPSK	1	1	13.13	13.13	13.13	14.1	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	536800			
				2540.01	2592.99	2640			
100	Pi/2 BPSK	1	1	13.18	13.26	13.16			
100	Pi/2 BPSK	1	137	13.09	13.25	13.13	14.1	0.0	
100	Pi/2 BPSK	1	271	13.16	13.29	13.13			
100	Pi/2 BPSK	135	0	13.08	13.20	13.19	14.1	0.0	
100	Pi/2 BPSK	135	69	13.17	13.29	13.15	14.1	0.0	
100	Pi/2 BPSK	135	138	13.14	13.23	13.16	14.1	0.0	
100	Pi/2 BPSK	270	0	13.08	13.21	13.11			
100	QPSK	1	1	13.22	13.30	13.20			
100	QPSK	1	137	13.13	13.28	13.24	14.1	0.0	
100	QPSK	1	271	13.09	13.23	13.14			
100	QPSK	135	0	13.13	13.27	13.15			
100	QPSK	135	69	13.10	13.26	13.18	14.1	0.0	
100	QPSK	135	138	13.12	13.25	13.17			
100	QPSK	270	0	13.08	13.24	13.20	14.1	0.0	
100	16QAM	1	1	13.18	13.18	13.20	14.1	0.0	
100	64QAM	1	1	13.21	13.16	13.12	14.1	0.0	
100	256QAM	1	1	13.15	13.27	13.24	14.1	0.0	
Channel									
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
				2541	2592.99	2644.98			
80	QPSK	1	1	13.15	13.24	13.11	14.1	0.0	
Channel									
Frequency (MHz)				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2592.99	2649.99			
80	QPSK	1	1	13.21	13.15	13.18	14.1	0.0	
Channel									
Frequency (MHz)				503202	518998	531998	Tune-up limit (dBm)	MPR (dB)	
				2526	2592.99	2659.98			
70	QPSK	1	1	13.17	13.18	13.12	14.1	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
				2514.02	2592.99	2644.98			
60	QPSK	1	1	13.14	13.17	13.20	14.1	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
				2516.01	2592.99	2670			
50	QPSK	1	1	13.20	13.16	13.25	14.1	0.0	
Channel									
Frequency (MHz)				507204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
				2506.02	2592.99	2679.99			
40	QPSK	1	1	13.13	13.19	13.18	14.1	0.0	
Channel									
Frequency (MHz)				499200	518998	537998	Tune-up limit (dBm)	MPR (dB)	
				2496	2592.99	2689.98			
30	QPSK	1	1	13.16	13.21	13.15	14.1	0.0	
Channel									
Frequency (MHz)				495200	518998	537998	Tune-up limit (dBm)	MPR (dB)	
				2496	2592.99	2689.98			
20	QPSK	1	1	13.13	13.25	13.18	14.1	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	MPR (dB)	
Channel									
Frequency (MHz)				506020	518998	536800			
				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	15.08	15.12	15.01			
100	Pi/2 BPSK	1	137	15.05	15.08	15.05	16.2	0.0	
100	Pi/2 BPSK	1	271	14.98	15.17	15.07			
100	Pi/2 BPSK	135	0	15.05	15.10	15.07	16.2	0.0	
100	Pi/2 BPSK	135	69	15.10	15.12	15.03	16.2	0.0	
100	Pi/2 BPSK	135	138	14.98	15.18	15.03	16.2	0.0	
100	Pi/2 BPSK	270	0	14.97	15.19	15.02			
100	QPSK	1	1	15.12	15.20	15.10			
100	QPSK	1	137	15.05	15.09	15.10	16.2	0.0	
100	QPSK	1	271	15.06	15.13	15.14			
100	QPSK	135	0	15.06	15.07	15.11			
100	QPSK	135	69	15.10	15.16	15.14	16.2	0.0	
100	QPSK	135	138	15.01	15.14	15.08			
100	QPSK	270	0	15.05	15.16	15.06	16.2	0.0	
100	16QAM	1	1	15.03	15.18	15.12	16.2	0.0	
100	64QAM	1	1	14.98	15.05	15.09	16.2	0.0	
100	256QAM	1	1	15.06	15.18	15.14	16.2	0.0	
Channel									
Frequency (MHz)				508200	518998	528998	Tune-up limit	MPR	
				2541	2592.99	2644.98		(dB)	
80	QPSK	1	1	15.01	15.10	15.12	16.2	0.0	
Channel									
Frequency (MHz)				507204	518998	529998	Tune-up limit	MPR	
				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	15.00	15.09	15.15	16.2	0.0	
Channel									
Frequency (MHz)				503202	518998	531998	Tune-up limit	MPR	
				2526	2592.99	2659.98	(dBm)	(dB)	
70	QPSK	1	1	14.99	15.14	15.03	16.2	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit	MPR	
				2514.02	2592.99	2644.98	(dBm)	(dB)	
60	QPSK	1	1	15.00	15.05	15.13	16.2	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit	MPR	
				2516.01	2592.99	2670	(dBm)	(dB)	
50	QPSK	1	1	15.06	15.17	15.14	16.2	0.0	
Channel									
Frequency (MHz)				507204	518998	532998	Tune-up limit	MPR	
				2506.02	2592.99	2679.99	(dBm)	(dB)	
40	QPSK	1	1	15.04	15.18	15.13	16.2	0.0	
Channel									
Frequency (MHz)				499200	518998	537998	Tune-up limit	MPR	
				2496	2592.99	2689.98	(dBm)	(dB)	
30	QPSK	1	1	15.00	15.17	15.03	16.2	0.0	
Channel									
Frequency (MHz)				495200	518998	537998	Tune-up limit	MPR	
				2496	2592.99	2689.98	(dBm)	(dB)	
20	QPSK	1	1	15.05	15.08	15.08	16.2	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)				500202	518998	536800			
				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	15.08	15.12	15.01			
100	Pi/2 BPSK	1	137	15.05	15.08	15.05	16.2	0.0	
100	Pi/2 BPSK	1	271	14.98	15.17	15.07			
100	Pi/2 BPSK	135	0	15.05	15.10	15.07	16.2	0.0	
100	Pi/2 BPSK	135	69	15.10	15.12	15.03	16.2	0.0	
100	Pi/2 BPSK	135	138	14.98	15.18	15.03	16.2	0.0	
100	Pi/2 BPSK	270	0	14.97	15.19	15.02			
100	QPSK	1	1	15.12	15.20	15.10			
100	QPSK	1	137	15.05	15.09	15.1	16.2	0.0	
100	QPSK	1	271	15.06	15.13	15.14			
100	QPSK	135	0	15.05	15.07	15.11			
100	QPSK	135	69	15.10	15.12	15.08	16.2	0.0	
100	QPSK	135	138	15.01	15.14	15.08			
100	QPSK	270	0	15.05	15.16	15.06	16.2	0.0	
100	16QAM	1	1	15.03	15.18	15.12	16.2	0.0	
100	16QAM	1	137	14.98	15.09	15.16	16.2	0.0	
100	256QAM	1	1	15.06	15.18	15.14	16.2	0.0	
Channel									
Frequency (MHz)				500200	518998	536998	Tune-up limit (dBm)	MPR (dB)	
				2546.01	2592.99	2644.98			
90	QPSK	1	1	15.11	15.10	15.12	16.2	0.0	
Channel									
Frequency (MHz)				501204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
				2538.02	2592.99	2649.99			
80	QPSK	1	1	15.05	15.09	15.15	16.2	0.0	
Channel									
Frequency (MHz)				502208	518998	531000	Tune-up limit (dBm)	MPR (dB)	
				2626	2592.99	2669.98			
70	QPSK	1	1	14.99	15.14	15.03	16.2	0.0	
Channel									
Frequency (MHz)				503204	518998	523998	Tune-up limit (dBm)	MPR (dB)	
				2624.02	2592.99	2670			
60	QPSK	1	1	15.00	15.05	15.13	16.2	0.0	
Channel									
Frequency (MHz)				505202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
				2518.01	2592.99	2670			
50	QPSK	1	1	15.06	15.17	15.15	16.2	0.0	
Channel									
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
				2506.02	2592.99	2679.99			
40	QPSK	1	1	15.04	15.18	15.13	16.2	0.0	
Channel									
Frequency (MHz)				497200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
				2496	2592.99	2689.98			
30	QPSK	1	1	14.90	15.17	15.03	16.2	0.0	
Channel									
Frequency (MHz)				495200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
				2496	2592.99	2689.98			
25	QPSK	1	1	15.05	15.08	15.08	16.2	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			16.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	15.25					
100	Pl2 BPSK	1	137	15.36					
100	Pl2 BPSK	1	271	15.23					
100	Pl2 BPSK	135	0	15.23					
100	Pl2 BPSK	135	69	15.23					
100	Pl2 BPSK	135	138	15.26					
100	Pl2 BPSK	270	0	15.25					
100	QPSK	1	1	15.38					
100	QPSK	1	137	15.23					
100	QPSK	1	271	15.29					
100	QPSK	135	0	15.26					
100	QPSK	135	69	15.35					
100	QPSK	135	138	15.32					
100	QPSK	270	0	15.27					
100	16QAM	1	1	15.33					
100	64QAM	1	1	15.23					
100	256QAM	1	1	15.30					
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	15.13	15.16	15.17	16.2	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)	(dB)	
80	QPSK	1	1	15.09	15.22	15.13	16.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	15.23	15.20	15.19	16.2	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	15.20	15.15	15.22	16.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	15.10	15.13	15.15	16.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	15.23	15.17	15.17	16.2	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	15.14	15.22	15.13	16.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	15.15	15.25	15.18	16.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				650000	650000	650000	3640		
Frequency (MHz)				3741					
100	Pl2 BPSK	1	1	15.07	15.12	15.08			
100	Pl2 BPSK	1	137	15.13	15.11	15.04	16.2	0.0	
100	Pl2 BPSK	1	271	15.11	15.12	15.07			
100	Pl2 BPSK	135	0	15.13	15.07	15.04	16.2	0.0	
100	Pl2 BPSK	135	69	15.03	15.12	15.06	16.2	0.0	
100	Pl2 BPSK	135	138	15.11	15.11	15.15			
100	Pl2 BPSK	270	0	15.12	15.08	15.06			
100	QPSK	1	1	15.15	15.22	15.16			
100	QPSK	1	137	15.11	15.14	15.17	16.2	0.0	
100	QPSK	1	271	15.02	15.11	15.13			
100	QPSK	135	0	15.10	15.10	15.11			
100	QPSK	135	69	15.14	15.16	15.16	16.2	0.0	
100	QPSK	135	138	15.12	15.13	15.06			
100	QPSK	270	0	15.10	15.12	15.11	16.2	0.0	
100	16QAM	1	1	15.14	15.09	15.05	16.2	0.0	
100	64QAM	1	1	15.02	15.07	15.07	16.2	0.0	
100	256QAM	1	1	15.13	15.10	15.16	16.2	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3640	3641.98	(dBm)	(dB)	
90	QPSK	1	1	15.13	15.21	15.16	16.2	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3640	3639.98	(dBm)	(dB)	
80	QPSK	1	1	15.11	15.18	15.10	16.2	0.0	
Channel				649000	650000		Tune-up limit	MPR	
Frequency (MHz)				3735	3640	3645	(dBm)	(dB)	
70	QPSK	1	1	15.09	15.13	15.09	16.2	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3640	3648.98	(dBm)	(dB)	
60	QPSK	1	1	15.07	15.18	15.16	16.2	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3640	3654.98	(dBm)	(dB)	
50	QPSK	1	1	15.04	15.20	15.10	16.2	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3640	3660	(dBm)	(dB)	
40	QPSK	1	1	15.12	15.08	15.10	16.2	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3640	3664.98	(dBm)	(dB)	
30	QPSK	1	1	15.12	15.11	15.10	16.2	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3640	3669.98	(dBm)	(dB)	
20	QPSK	1	1	15.13	15.18	15.15	16.2	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					
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	15.11			16.7	0.0	0.0
100	Pl2 BPSK	1	137	15.06					
100	Pl2 BPSK	1	271	15.07					
100	Pl2 BPSK	135	0	15.04					
100	Pl2 BPSK	135	69	15.01					
100	Pl2 BPSK	135	138	15.09					
100	Pl2 BPSK	270	0	15.08			16.7	0.0	0.0
100	QPSK	1	1	15.15					
100	QPSK	1	137	15.08					
100	QPSK	1	271	15.11					
100	QPSK	135	0	15.01					
100	QPSK	135	69	15.13					
100	QPSK	135	138	15.12			16.7	0.0	0.0
100	QPSK	270	0	15.02					
100	16QAM	1	1	15.04					
100	64QAM	1	1	15.14					
100	256QAM	1	1	15.09					
Channel				633000	633332	633666			
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	15.03	14.95	15.06	16.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	15.07	15.04	15.01	16.7	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	14.99	14.96	15.06	16.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	15.07	15.06	14.93	16.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	14.97	14.95	15.05	16.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	15.05	15.02	14.95	16.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	15.05	15.01	15.04	16.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	14.95	14.96	15.02	16.7	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	13.64				15.2	0.0
100	Pl2 BPSK	1	137	13.60					
100	Pl2 BPSK	1	271	13.63					
100	Pl2 BPSK	135	0	13.66				15.2	0.0
100	Pl2 BPSK	135	69	13.59				15.2	0.0
100	Pl2 BPSK	135	138	13.62				15.2	0.0
100	Pl2 BPSK	270	0	13.66					
100	QPSK	1	1	13.69					
100	QPSK	1	137	13.59				15.2	0.0
100	QPSK	1	271	13.68				15.2	0.0
100	QPSK	135	0	13.59					
100	QPSK	135	69	13.65					
100	QPSK	135	138	13.58				15.2	0.0
100	QPSK	270	0	13.66					
100	16QAM	1	1	13.58					
100	64QAM	1	1	13.56				15.2	0.0
100	256QAM	1	1	13.57				15.2	0.0
Channel				633000		633666		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	13.49	13.49	13.51	15.2	0.0	
Channel				632668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	13.39	13.51	13.48	15.2	0.0	
Channel				632000		634000		Tune-up limit (dBm)	
Frequency (MHz)									
70	QPSK	1	1	13.47	13.46	13.42	15.2	0.0	
Channel				632000		633666		Tune-up limit (dBm)	
Frequency (MHz)									
60	QPSK	1	1	13.51	13.57	13.43	15.2	0.0	
Channel				631668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
50	QPSK	1	1	13.43	13.47	13.43	15.2	0.0	
Channel				631334		633332		Tune-up limit (dBm)	
Frequency (MHz)									
40	QPSK	1	1	13.50	13.47	13.55	15.2	0.0	
Channel				631000		633332		Tune-up limit (dBm)	
Frequency (MHz)									
30	QPSK	1	1	13.43	13.56	13.54	15.2	0.0	
Channel				630668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
20	QPSK	1	1	13.48	13.57	13.48	15.2	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	13.50	13.59	13.44		15.2	0.0
100	Pl2 BPSK	1	137	13.52	13.54	13.41			
100	Pl2 BPSK	1	271	13.45	13.53	13.45			
100	Pl2 BPSK	135	0	13.43	13.56	13.48		15.2	0.0
100	Pl2 BPSK	135	69	13.46	13.52	13.48		15.2	0.0
100	Pl2 BPSK	135	138	13.39	13.52	13.48			
100	Pl2 BPSK	270	0	13.50	13.56	13.42			
100	QPSK	1	1	13.53	13.65	13.55		15.2	0.0
100	QPSK	1	137	13.39	13.52	13.42			
100	QPSK	1	271	13.52	13.57	13.49			
100	QPSK	135	0	13.41	13.47	13.46		15.2	0.0
100	QPSK	135	69	13.36	13.63	13.54			
100	QPSK	135	138	13.45	13.55	13.48			
100	QPSK	270	0	13.58	13.60	13.56		15.2	0.0
100	16QAM	1	1	13.48	13.49	13.38		15.2	0.0
100	64QAM	1	1	13.44	13.57	13.44		15.2	0.0
100	256QAM	1	1	13.40	13.55	13.40		15.2	0.0
Channel				649668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
90	QPSK	1	1	13.50	13.53	13.41	15.2	0.0	
Channel				648334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	13.40	13.55	13.51	15.2	0.0	
Channel				648000		650000		Tune-up limit (dBm)	
Frequency (MHz)									
70	QPSK	1	1	13.41	13.50	13.44	15.2	0.0	
Channel				648668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
60	QPSK	1	1	13.39	13.48	13.48	15.2	0.0	
Channel				648334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
50	QPSK	1	1	13.51	13.51	13.44	15.2	0.0	
Channel				648000		650000		Tune-up limit (dBm)	
Frequency (MHz)									
40	QPSK	1	1	13.41	13.43	13.42	15.2	0.0	
Channel				647668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
30	QPSK	1	1	13.41	13.52	13.48	15.2	0.0	
Channel				647334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
20	QPSK	1	1	13.40	13.51	13.41	15.2	0.0	

Part27Q_n78_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				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	15.12				16.2	0.0
100	Pl2 BPSK	1	137	15.08					
100	Pl2 BPSK	1	271	15.05					
100	Pl2 BPSK	135	0	15.02				16.2	0.0
100	Pl2 BPSK	135	69	15.12				16.2	0.0
100	Pl2 BPSK	135	138	15.06					
100	Pl2 BPSK	270	0	15.05					
100	QPSK	1	1	15.15				16.2	0.0
100	QPSK	1	137	15.10					
100	QPSK	1	271	15.01					
100	QPSK	135	0	15.04				16.2	0.0
100	QPSK	135	69	15.13					
100	QPSK	135	138	15.10					
100	QPSK	270	0	15.05				16.2	0.0
100	16QAM	1	1	15.01				16.2	0.0
100	64QAM	1	1	15.06				16.2	0.0
100	256QAM	1	1	15.14				16.2	0.0
Channel				633000		633666		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	15.04	14.93	15.02	16.2	0.0	
Channel				632668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	14.97	15.00	15.01	16.2	0.0	
Channel				632000		634000		Tune-up limit (dBm)	
Frequency (MHz)									
70	QPSK	1	1	14.98	14.89	14.89	16.2	0.0	
Channel				632000		633666		Tune-up limit (dBm)	
Frequency (MHz)									
60	QPSK	1	1	15.11	14.95	15.07	16.2	0.0	
Channel				631668		633332		Tune-up limit (dBm)	

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	15.47	15.47			16.2	0.0
100	Pl2 BPSK	1	137	15.46	15.48				
100	Pl2 BPSK	1	271	15.48	15.48				
100	Pl2 BPSK	135	0	15.47	15.47			16.2	0.0
100	Pl2 BPSK	135	69	15.52	15.52			16.2	0.0
100	Pl2 BPSK	135	138	15.43	15.43			16.2	0.0
100	Pl2 BPSK	270	0	15.47	15.47				
100	QPSK	1	1	15.55	15.55				
100	QPSK	1	137	15.43	15.43			16.2	0.0
100	QPSK	1	271	15.52	15.52				
100	QPSK	135	0	15.44	15.44			16.2	0.0
100	QPSK	135	69	15.55	15.55				
100	QPSK	135	138	15.41	15.41				
100	QPSK	270	0	15.42	15.42			16.2	0.0
100	16QAM	1	1	15.49	15.49			16.2	0.0
100	64QAM	1	1	15.47	15.47			16.2	0.0
100	256QAM	1	1	15.50	15.50			16.2	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.40	15.40	15.38	15.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.53	15.42	15.43	16.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.46	15.51	15.33	16.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.47	15.49	15.38	16.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.45	15.41	15.42	16.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.42	15.42	15.34	16.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.49	15.40	15.31	16.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.45	15.53	15.42	16.2	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)									
100	Pl2 BPSK	1	1	15.12	15.08		16.2	0.0	
100	Pl2 BPSK	1	137	15.05	15.05				
100	Pl2 BPSK	135	0	15.02	15.02		16.2	0.0	
100	Pl2 BPSK	135	69	15.12	15.12		16.2	0.0	
100	Pl2 BPSK	135	138	15.06	15.06		16.2	0.0	
100	Pl2 BPSK	270	0	15.05	15.05				
100	QPSK	1	1	15.15	15.15				
100	QPSK	1	137	15.10	15.10		16.2	0.0	
100	QPSK	1	271	15.01	15.01				
100	QPSK	135	0	15.04	15.04		16.2	0.0	
100	QPSK	135	69	15.13	15.13				
100	QPSK	135	138	15.10	15.10				
100	QPSK	270	0	15.05	15.05		16.2	0.0	
100	16QAM	1	1	15.01	15.01		16.2	0.0	
100	64QAM	1	1	15.06	15.06		16.2	0.0	
100	256QAM	1	1	15.14	15.14		16.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.04	14.93	15.02	15.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.97	15.00	15.00	16.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.98	14.89	14.99	16.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.11	14.95	15.07	16.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.99	14.97	15.04	16.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.02	15.02	15.08	16.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.01	15.01	15.10	16.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.05	15.01	15.05	16.2	0.0	

Part270_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)									
100	Pl2 BPSK	1	1	15.47	15.47			16.2	0.0
100	Pl2 BPSK	1	137	15.46	15.46				
100	Pl2 BPSK	1	271	15.48	15.48				
100	Pl2 BPSK	135	0	15.47	15.47			16.2	0.0
100	Pl2 BPSK	135	69	15.52	15.52			16.2	0.0
100	Pl2 BPSK	135	138	15.43	15.43			16.2	0.0
100	Pl2 BPSK	270	0	15.47	15.47				
100	QPSK	1	1	15.55	15.55				
100	QPSK	1	137	15.43	15.43			16.2	0.0
100	QPSK	1	271	15.52	15.52				
100	QPSK	135	0	15.44	15.44			16.2	0.0
100	QPSK	135	69	15.55	15.55				
100	QPSK	135	138	15.41	15.41				
100	QPSK	270	0	15.42	15.42			16.2	0.0
100	16QAM	1	1	15.49	15.49			16.2	0.0
100	64QAM	1	1	15.47	15.47			16.2	0.0
100	256QAM	1	1	15.50	15.50			16.2	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.19	15.40	15.38	15.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.53	15.42	15.43	16.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.46	15.51	15.33	16.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.47	15.49	15.38	16.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.45	15.41	15.42	16.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.42	15.42	15.34	16.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.49	15.40	15.31	16.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.45	15.53	15.42	16.2	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	16.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	14.33			16.2	0.0	
100	Pl2 BPSK	1	137	14.41					
100	Pl2 BPSK	1	271	14.42			16.2	0.0	
100	Pl2 BPSK	135	0	14.35					
100	Pl2 BPSK	135	69	14.35			16.2	0.0	
100	Pl2 BPSK	135	138	14.35					
100	Pl2 BPSK	270	0	14.37			16.2	0.0	
100	QPSK	1	1	14.46					
100	QPSK	1	137	14.41			16.2	0.0	
100	QPSK	1	271	14.36					
100	QPSK	135	0	14.39			16.2	0.0	
100	QPSK	135	69	14.43					
100	QPSK	135	138	14.37			16.2	0.0	
100	QPSK	270	0	14.39					
100	16QAM	1	1	14.37			16.2	0.0	
100	16QAM	1	1	14.44					
100	256QAM	1	1	14.32			16.2	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	14.45	14.31	14.29	15.2	0.0	
Channel				632668	633332	634000	16.2	0.0	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	14.45	14.22	14.29	16.2	0.0	
Channel				632334	633332	634332	16.2	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	14.37	14.31	14.34	16.2	0.0	
Channel				632000	633332	634668	16.2	0.0	
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	14.33	14.30	14.36	16.2	0.0	
Channel				631668	633332	635000	16.2	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	14.37	14.29	14.37	15.2	0.0	
Channel				631334	633332	635332	16.2	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	14.40	14.32	14.35	16.2	0.0	
Channel				631000	633332	635668	16.2	0.0	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	14.34	14.26	14.29	16.2	0.0	
Channel				630668	633332	636000	16.2	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	14.34	14.28	14.35	15.2	0.0	

Part270_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	16.2	0.0	
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	14.84			16.2	0.0	
100	Pl2 BPSK	1	137	14.80					
100	Pl2 BPSK	1	271	14.81			16.2	0.0	
100	Pl2 BPSK	135	0	14.71					
100	Pl2 BPSK	135	69	14.71			16.2	0.0	
100	Pl2 BPSK	135	138	14.82					
100	Pl2 BPSK	270	0	14.75			16.2	0.0	
100	QPSK	1	1	14.86					
100	QPSK	1	137	14.85			16.2	0.0	
100	QPSK	1	271	14.72					
100	QPSK	135	0	14.78			16.2	0.0	
100	QPSK	135	69	14.83					
100	QPSK	135	138	14.76			16.2	0.0	
100	QPSK	270	0	14.76					
100	16QAM	1	1	14.71			16.2	0.0	
100	16QAM	1	1	14.82					
100	256QAM	1	1	14.75			16.2	0.0	
Channel				649668	650000	650332			
Frequency (MHz)				3742.02	3750	3757.98			
80	QPSK	1	1	14.72	14.63	14.68	15.2	0.0	
Channel				648334	650000	650668	16.2	0.0	
Frequency (MHz)				3740.01	3750	3759.98			
80	QPSK	1	1	14.73	14.69	14.63	16.2	0.0	
Channel				648000	650000	651000	16.2	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	14.66	14.74	14.65	16.2	0.0	
Channel				646668	650000	651332	16.2	0.0	
Frequency (MHz)				3725.01	3750	3774.98			
60	QPSK	1	1	14.74	14.72	14.74	16.2	0.0	
Channel				645334	650000	652000	16.2	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	14.66	14.63	14.73	16.2	0.0	
Channel				643668	650000	652332	16.2	0.0	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	14.79	14.69	14.66	16.2	0.0	
Channel				647334	650000	652668	16.2	0.0	
Frequency (MHz)				3710.01	3750	3789.98			
20	QPSK	1	1	14.73	14.67	14.72	15.2	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	16.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	14.33			16.2	0.0	
100	Pl2 BPSK	1	137	14.41					
100	Pl2 BPSK	1	271	14.42			16.2	0.0	
100	Pl2 BPSK	135	0	14.35					
100	Pl2 BPSK	135	69	14.35			16.2	0.0	
100	Pl2 BPSK	135	138	14.35					
100	Pl2 BPSK	270	0	14.37			16.2	0.0	
100	QPSK	1	1	14.46					
100	QPSK	1	137	14.41			16.2	0.0	
100	QPSK	1	271	14.36					
100	QPSK	135	0	14.39			16.2	0.0	
100	QPSK	135	69	14.43					
100	QPSK	135	138	14.37			16.2	0.0	
100	QPSK	270	0	14.39					
100	16QAM	1	1	14.37			16.2	0.0	
100	16QAM	1	1	14.44					
100	256QAM	1	1	14.32			16.2	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.99	16.2	0.0	
80	QPSK	1	1	14.42	14.31	14.29	15.2	0.0	
Channel				632668	633332	634000	16.2	0.0	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	14.45	14.22	14.29	16.2	0.0	
Channel				632334	633332	634332	16.2	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	14.37	14.31	14.34	16.2	0.0	
Channel				632000	633332	634668	16.2	0.0	
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	14.33	14.30	14.36	16.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3479.02	3499.98	3525	16.2	0.0	
50	QPSK	1	1	14.37	14.25	14.37	16.2	0.0	
Channel				631334	633332	635332	16.2	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	14.40	14.32	14.35	16.2	0.0	
Channel				631000	633332	635668	16.2	0.0	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	14.34	14.26	14.29	16.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	16.2	0.0	
20	QPSK	1	1	14.38	14.29	14.38	16.2	0.0	

Part270_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	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		14.84				
100	Pl2 BPSK	1	137		14.80		16.2	0.0	
100	Pl2 BPSK	1	271		14.81				
100	Pl2 BPSK	135	0		14.71		16.2	0.0	
100	Pl2 BPSK	135	69		14.71		16.2	0.0	
100	Pl2 BPSK	135	138		14.82		16.2	0.0	
100	Pl2 BPSK	270	0		14.75				
100	QPSK	1	1		14.85		16.2	0.0	
100	QPSK	1	137		14.85				
100	QPSK	1	271		14.72				
100	QPSK	135	0		14.78				
100	QPSK	135	69		14.83		16.2	0.0	
100	QPSK	135	138		14.76				
100	QPSK	270	0		14.76		16.2	0.0	
100	16QAM	1	1		14.71		16.2	0.0	
100	64QAM	1	1		14.82		16.2	0.0	
100	256QAM	1	1		14.75		16.2	0.0	
Channel									
Frequency (MHz)									
3745.02									
90	QPSK	1	1	14.83	14.63	14.68	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3740.01									
80	QPSK	1	1	14.73	14.69	14.63	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3735.00									
70	QPSK	1	1	14.68	14.74	14.65	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3730.00									
60	QPSK	1	1	14.68	14.70	14.70	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3725.01									
50	QPSK	1	1	14.74	14.72	14.74	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3720.00									
40	QPSK	1	1	14.68	14.63	14.73	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3715.02									
30	QPSK	1	1	14.79	14.69	14.66	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3710.01									
20	QPSK	1	1	14.73	14.67	14.72	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)									
3499.98									
100	Pl2 BPSK	1	1		16.37			19.2	0.0
100	Pl2 BPSK	1	137		16.36				
100	Pl2 BPSK	1	271		16.26				
100	Pl2 BPSK	135	0		16.26			19.2	0.0
100	Pl2 BPSK	135	69		16.27			19.2	0.0
100	Pl2 BPSK	135	138		16.25			19.2	0.0
100	Pl2 BPSK	270	0		16.34				
100	QPSK	1	1		16.40				
100	QPSK	1	137		16.39			19.2	0.0
100	QPSK	1	271		16.30				
100	QPSK	135	0		16.26				
100	QPSK	135	69		16.38			19.2	0.0
100	QPSK	135	138		16.34				
100	QPSK	270	0		16.32			19.2	0.0
100	16QAM	1	1		16.29			19.2	0.0
100	64QAM	1	1		16.33			19.2	0.0
100	256QAM	1	1		16.33			19.2	0.0
Channel									
Frequency (MHz)									
3495									
90	QPSK	1	1		16.53	16.22	16.13	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3490.02									
80	QPSK	1	1		16.26	16.29	16.17	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3485.01									
70	QPSK	1	1		16.32	16.24	16.22	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3480.01									
60	QPSK	1	1		16.34	16.19	16.23	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3475.02									
50	QPSK	1	1		16.25	16.27	16.16	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3470.01									
40	QPSK	1	1		16.29	16.17	16.13	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3465									
30	QPSK	1	1		16.36	16.26	16.15	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3460.02									
20	QPSK	1	1		16.33	16.30	16.24	Tune-up limit (dBm)	MPR (dB)

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750									
100	Pl2 BPSK	1	1	16.71				19.2	0.0
100	Pl2 BPSK	1	137	16.78					
100	Pl2 BPSK	1	271	16.71					
100	Pl2 BPSK	135	0	16.76			19.2	0.0	
100	Pl2 BPSK	135	69	16.71			19.2	0.0	
100	Pl2 BPSK	135	138	16.76			19.2	0.0	
100	Pl2 BPSK	270	0	16.81					
100	QPSK	1	1	16.83					
100	QPSK	1	137	16.77			19.2	0.0	
100	QPSK	1	271	16.77					
100	QPSK	135	0	16.74					
100	QPSK	135	69	16.81			19.2	0.0	
100	QPSK	135	138	16.77					
100	QPSK	270	0	16.71			19.2	0.0	
100	16QAM	1	1	16.71			19.2	0.0	
100	64QAM	1	1	16.76			19.2	0.0	
100	256QAM	1	1	16.82			19.2	0.0	
Channel									
Frequency (MHz)									
3750									
90	QPSK	1	1	16.71	16.76	16.71	19.2	0.0	
Channel									
Frequency (MHz)									
3750									
80	QPSK	1	1	16.76	16.75	16.77	19.2	0.0	
Channel									
Frequency (MHz)									
3750									
70	QPSK	1	1	16.68	16.76	16.75	19.2	0.0	
Channel									
Frequency (MHz)									
3750									
60	QPSK	1	1	16.66	16.80	16.73	19.2	0.0	
Channel									
Frequency (MHz)									
3750									
50	QPSK	1	1	16.68	16.77	16.72	19.2	0.0	
Channel									
Frequency (MHz)									
3750									
40	QPSK	1	1	16.68	16.71	16.74	19.2	0.0	
Channel									
Frequency (MHz)									
3750									
30	QPSK	1	1	16.76	16.73	16.70	19.2	0.0	
Channel									
Frequency (MHz)									
3750									
20	QPSK	1	1	16.63	16.77	16.72	19.2	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	19.2	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	18.37			19.2	0.0	
100	Pl2 BPSK	1	137	18.36					
100	Pl2 BPSK	1	271	18.26					
100	Pl2 BPSK	135	0	18.26			19.2	0.0	
100	Pl2 BPSK	135	69	18.27			19.2	0.0	
100	Pl2 BPSK	135	138	18.25			19.2	0.0	
100	Pl2 BPSK	270	0	18.24			19.2	0.0	
100	QPSK	1	1	18.40			19.2	0.0	
100	QPSK	1	137	18.39					
100	QPSK	1	271	18.30					
100	QPSK	135	0	18.26			19.2	0.0	
100	QPSK	135	69	18.38			19.2	0.0	
100	QPSK	135	138	18.34					
100	QPSK	270	0	18.32					
100	16QAM	1	1	18.29			19.2	0.0	
100	64QAM	1	1	18.33			19.2	0.0	
100	256QAM	1	1	18.33			19.2	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	18.13	18.22	18.13	19.2	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)	(dB)	
80	QPSK	1	1	18.24	18.29	18.17	19.2	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	18.32	18.24	18.22	19.2	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	18.34	18.19	18.23	19.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	18.25	18.27	18.16	19.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.29	18.17	18.13	19.2	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	18.36	18.26	18.15	19.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	18.33	18.30	18.24	19.2	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		650000		19.2	0.0	
Frequency (MHz)				3750						
100	Pl2 BPSK	1	1	18.71			19.2	0.0		
100	Pl2 BPSK	1	137	18.78						
100	Pl2 BPSK	1	271	18.71						
100	Pl2 BPSK	135	0	18.76			19.2	0.0		
100	Pl2 BPSK	135	69	18.71			19.2	0.0		
100	Pl2 BPSK	135	138	18.76			19.2	0.0		
100	Pl2 BPSK	270	0	18.81			19.2	0.0		
100	QPSK	1	1	18.83			19.2	0.0		
100	QPSK	1	137	18.77						
100	QPSK	1	271	18.77						
100	QPSK	135	0	18.74			19.2	0.0		
100	QPSK	135	69	18.81			19.2	0.0		
100	QPSK	135	138	18.77						
100	QPSK	270	0	18.71						
100	16QAM	1	1	18.71			19.2	0.0		
100	64QAM	1	1	18.75			19.2	0.0		
100	256QAM	1	1	18.82			19.2	0.0		
Channel				649668	650000	650332	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)		
90	QPSK	1	1	18.74	18.76	18.71	19.2	0.0		
Channel				649334	650000	650668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)		
80	QPSK	1	1	18.76	18.75	18.77	19.2	0.0		
Channel				649000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	18.68	18.76	18.75	19.2	0.0		
Channel				648668	650000	651332	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3768.98	(dBm)	(dB)		
60	QPSK	1	1	18.78	18.67	18.69	19.2	0.0		
Channel				648334	650000	651668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)		
50	QPSK	1	1	18.66	18.67	18.66	19.2	0.0		
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	18.68	18.71	18.74	19.2	0.0		
Channel				647668	650000	652332	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)		
30	QPSK	1	1	18.76	18.73	18.70	19.2	0.0		
Channel				647334	650000	652668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)		
20	QPSK	1	1	18.68	18.77	18.72	19.2	0.0		

Part27Q_n78_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	14.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	13.10			14.7	0.0	
100	Pl2 BPSK	1	137	13.03					
100	Pl2 BPSK	1	271	13.04					
100	Pl2 BPSK	135	0	13.06			14.7	0.0	
100	Pl2 BPSK	135	69	13.11			14.7	0.0	
100	Pl2 BPSK	135	138	13.13			14.7	0.0	
100	Pl2 BPSK	270	0	13.08			14.7	0.0	
100	QPSK	1	1	13.15			14.7	0.0	
100	QPSK	1	137	13.06					
100	QPSK	1	271	13.07					
100	QPSK	135	0	13.07			14.7	0.0	
100	QPSK	135	69	13.14			14.7	0.0	
100	QPSK	135	138	13.12					
100	QPSK	270	0	13.06					
100	16QAM	1	1	13.13			14.7	0.0	
100	64QAM	1	1	13.01			14.7	0.0	
100	256QAM	1	1	13.02			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	12.97	13.02	13.09	14.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)	(dB)	
80	QPSK	1	1	12.86	12.98	13.03	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	12.88	13.08	13.01	14.7	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	13.00	13.08	13.02	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	12.94	13.04	13.02	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	12.89	13.02	13.05	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	12.89	13.00	13.11	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	12.95	13.00	13.02	14.7	0.0	

Part270_n78_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.53	15.53		14.7	0.0	
100	Pl2 BPSK	1	1	13.53	13.53				
100	Pl2 BPSK	1	271	13.50	13.50		14.7	0.0	
100	Pl2 BPSK	135	0	13.51	13.51				
100	Pl2 BPSK	135	69	13.45	13.45		14.7	0.0	
100	Pl2 BPSK	135	138	13.53	13.53		14.7	0.0	
100	Pl2 BPSK	270	0	13.54	13.54				
100	QPSK	1	1	13.55	13.55		14.7	0.0	
100	QPSK	1	137	13.49	13.49				
100	QPSK	1	271	13.46	13.46		14.7	0.0	
100	QPSK	135	0	13.44	13.44				
100	QPSK	135	69	13.49	13.49		14.7	0.0	
100	QPSK	135	138	13.50	13.50				
100	QPSK	270	0	13.43	13.43		14.7	0.0	
100	16QAM	1	1	13.40	13.40		14.7	0.0	
100	64QAM	1	1	13.51	13.51		14.7	0.0	
100	256QAM	1	1	13.40	13.40		14.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.37	13.37	13.34	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	13.37	13.37	13.34	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.28	13.37	13.41	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.30	13.48	13.37	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.30	13.48	13.37	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.38	13.46	13.45	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.38	13.46	13.45	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.35	13.50	13.41	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.35	13.50	13.41	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.35	13.39	13.46	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.35	13.39	13.46	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.30	13.43	13.46	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.30	13.43	13.46	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.40	13.42	13.40	Tune-up limit (dBm)	MPR (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)									
100	Pl2 BPSK	1	1	13.10	63332	3469 18	14.7	0.0	
100	Pl2 BPSK	1	137	13.03					
100	Pl2 BPSK	1	271	13.04			14.7	0.0	
100	Pl2 BPSK	135	0	13.06					
100	Pl2 BPSK	135	69	13.11			14.7	0.0	
100	Pl2 BPSK	135	138	13.13			14.7	0.0	
100	Pl2 BPSK	270	0	13.09					
100	QPSK	1	1	13.15			14.7	0.0	
100	QPSK	1	137	13.06					
100	QPSK	1	271	13.07			14.7	0.0	
100	QPSK	135	0	13.07					
100	QPSK	135	69	13.14			14.7	0.0	
100	QPSK	135	138	13.12					
100	QPSK	270	0	13.06			14.7	0.0	
100	16QAM	1	1	13.13			14.7	0.0	
100	64QAM	1	1	13.01			14.7	0.0	
100	256QAM	1	1	13.02			14.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.97	63332	3469 18	14.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.86	63332	3469 18	14.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.88	63332	3469 18	14.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.00	63332	3469 18	14.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.98	63332	3469 18	14.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.89	63332	3469 18	14.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.89	63332	3469 18	14.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.96	63332	3469 18	14.7	0.0	

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	13.53			14.7	0.0	
100	Pl2 BPSK	1	137	13.53					
100	Pl2 BPSK	1	271	13.50			14.7	0.0	
100	Pl2 BPSK	135	0	13.51					
100	Pl2 BPSK	135	69	13.45			14.7	0.0	
100	Pl2 BPSK	135	138	13.53			14.7	0.0	
100	Pl2 BPSK	270	0	13.54					
100	QPSK	1	1	13.55			14.7	0.0	
100	QPSK	1	137	13.49					
100	QPSK	1	271	13.46			14.7	0.0	
100	QPSK	135	0	13.44					
100	QPSK	135	69	13.50			14.7	0.0	
100	QPSK	135	138	13.49					
100	QPSK	270	0	13.43			14.7	0.0	
100	16QAM	1	1	13.40			14.7	0.0	
100	64QAM	1	1	13.51			14.7	0.0	
100	256QAM	1	1	13.40			14.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.34	13.37	13.34	14.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.28	13.37	13.41	14.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.30	13.48	13.37	14.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.38	13.46	13.45	14.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.35	13.54	13.41	14.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.35	13.39	13.46	14.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.30	13.43	13.46	14.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.40	13.42	13.40	14.7	0.0	

n2_Ant 5									
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			
Frequency (MHz)									
20	Pl2 BPSK	1	1	19.71	19.88	19.74	21.2	0.0	
20	Pl2 BPSK	1	53	19.79	19.75	19.72			
20	Pl2 BPSK	1	104	19.74	19.82	19.76			
20	Pl2 BPSK	50	0	19.68	19.84	19.80	21.2	0.0	
20	Pl2 BPSK	50	28	19.68	19.85	19.82	21.2	0.0	
20	Pl2 BPSK	50	56	19.77	19.88	19.83	21.2	0.0	
20	Pl2 BPSK	100	0	19.69	19.89	19.81			
20	QPSK	1	1	19.85	19.90	19.85		0.0	
20	QPSK	1	53	19.87	19.77	19.81	21.2		
20	QPSK	1	104	19.70	19.85	19.84	21.2	0.0	
20	QPSK	50	0	19.69	19.87	19.75			
20	QPSK	50	28	19.75	19.89	19.83			
20	QPSK	50	56	19.89	19.81	19.70	21.2	0.0	
20	QPSK	100	0	19.71	19.85	19.81	21.2	0.0	
20	16QAM	1	1	19.81	19.78	19.74			
20	64QAM	1	1	19.73	19.78	19.79	21.2	0.0	
20	256QAM	1	1	19.75	19.84	19.82	21.2	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	19.75	19.88	19.82	21.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	19.72	19.86	19.84	21.2	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	19.76	19.78	19.78	21.2	0.0	

Reduced Power Mode for ECIS									
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			
Frequency (MHz)									
20	Pl2 BPSK	1	1	18.63	18.71	18.57	19.8	0.0	
20	Pl2 BPSK	1	53	18.56	18.66	18.57			
20	Pl2 BPSK	1	104	18.63	18.72	18.67			
20	Pl2 BPSK	50	0	18.57	18.61	18.54	19.8	0.0	
20	Pl2 BPSK	50	28	18.61	18.62	18.64	19.8	0.0	
20	Pl2 BPSK	50	56	18.58	18.62	18.59	19.8	0.0	
20	Pl2 BPSK	100	0	18.55	18.60	18.63			
20	QPSK	1	1	18.65	18.73	18.68		0.0	
20	QPSK	1	53	18.60	18.60	18.58	19.8		
20	QPSK	1	104	18.51	18.58	18.62	19.8	0.0	
20	QPSK	50	0	18.57	18.58	18.58			
20	QPSK	50	28	18.62	18.69	18.66			
20	QPSK	50	56	18.51	18.58	18.58	19.8	0.0	
20	QPSK	100	0	18.52	18.68	18.62	19.8	0.0	
20	16QAM	1	1	18.59	18.68	18.65			
20	64QAM	1	1	18.59	18.61	18.59	19.8	0.0	
20	256QAM	1	1	18.56	18.64	18.60	19.8	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	18.58	18.71	18.64	19.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	18.60	18.84	18.57	19.8	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	18.57	18.68	18.67	19.8	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	23.44	23.44	23.27	24.7	0.0	
20	Pl2 BPSK	1	53	23.46	23.42	23.40			
20	Pl2 BPSK	1	104	23.45	23.39	23.32			
20	Pl2 BPSK	50	0	23.41	23.52	23.41	24.7	0.0	
20	Pl2 BPSK	50	28	23.39	23.49	23.41	24.7	0.0	
20	Pl2 BPSK	50	56	23.44	23.46	23.27	24.7	0.0	
20	Pl2 BPSK	100	0	23.46	23.48	23.35			
20	QPSK	1	1	23.48	23.53	23.42		0.0	
20	QPSK	1	53	23.46	23.43	23.35	24.7		
20	QPSK	1	104	23.35	23.46	23.36	24.7	0.0	
20	QPSK	50	0	23.44	23.46	23.33			
20	QPSK	50	28	23.45	23.50	23.40			
20	QPSK	50	56	23.41	23.48	23.33	24.7	0.0	
20	QPSK	100	0	23.37	23.42	23.39			
20	16QAM	1	1	23.45	23.46	23.35	24.7	0.0	
20	64QAM	1	1	23.17	23.18	23.05	24.2	0.5	
20	256QAM	1	1	22.66	22.77	22.66	23.7	1.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.46	23.51	23.40	24.7	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.43	23.51	23.32	24.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.41	23.43	23.41	24.7	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	PQ2 BPSK	1	1	20.39	20.51	20.39			
20	PQ2 BPSK	1	53	20.43	20.51	20.40	21.8		0.0
20	PQ2 BPSK	1	104	20.49	20.54	20.43			
20	PQ2 BPSK	50	0	20.42	20.58	20.38	21.8		0.0
20	PQ2 BPSK	50	28	20.45	20.55	20.41	21.8		0.0
20	PQ2 BPSK	50	56	20.51	20.56	20.35			
20	PQ2 BPSK	100	0	20.44	20.52	20.37	21.8		0.0
20	QPSK	1	1	20.53	20.60	20.50			
20	QPSK	1	53	20.50	20.55	20.43	21.8		0.0
20	QPSK	1	104	20.44	20.47	20.42			
20	QPSK	50	0	20.42	20.53	20.40	21.8		0.0
20	QPSK	50	28	20.50	20.58	20.46	21.8		0.0
20	QPSK	50	56	20.45	20.53	20.42			
20	QPSK	100	0	20.50	20.54	20.35	21.8		0.0
20	16QAM	1	1	20.45	20.53	20.49	21.8		0.0
20	64QAM	1	1	20.39	20.50	20.43	21.8		0.0
20	256QAM	1	1	20.41	20.45	20.45	21.8		0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	20.49	20.58	20.40	21.8		0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	20.30	20.53	20.39	21.8		0.0
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	20.46	20.49	20.40	21.8		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				2520	2535	2550			
Frequency (MHz)				18.67	18.74	18.62			
40	PQ2 BPSK	1	1	18.50	18.67	18.58	19.9		0.0
40	PQ2 BPSK	1	108	18.50	18.67	18.58			
40	PQ2 BPSK	1	214	18.67	18.73	18.61			
40	PQ2 BPSK	108	0	18.55	18.67	18.66	19.9		0.0
40	PQ2 BPSK	108	54	18.56	18.68	18.68	19.9		0.0
40	PQ2 BPSK	108	108	18.57	18.70	18.68			
40	PQ2 BPSK	216	0	18.64	18.65	18.67	19.9		0.0
40	QPSK	1	1	18.60	18.75	18.70			
40	QPSK	1	108	18.53	18.66	18.64	19.9		0.0
40	QPSK	1	214	18.62	18.70	18.58			
40	QPSK	108	0	18.58	18.62	18.64	19.9		0.0
40	QPSK	108	54	18.60	18.73	18.65	19.9		0.0
40	QPSK	108	108	18.60	18.68	18.59			
40	QPSK	216	0	18.64	18.70	18.66	19.9		0.0
40	16QAM	1	1	18.65	18.73	18.69	19.9		0.0
40	64QAM	1	1	18.53	18.62	18.59	19.9		0.0
40	256QAM	1	1	18.57	18.63	18.60	19.9		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.54	18.66	18.66	19.9		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.54	18.71	18.57	19.9		0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.61	18.72	18.61	19.9		0.0
Channel				502500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.65	18.67	18.64	19.9		0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2566			
10	QPSK	1	1	18.66	18.69	18.55	19.9		0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.50	18.60	18.58	19.9		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				2520	2535	2550			
Frequency (MHz)				18.71	18.66	18.62			
40	PQ2 BPSK	1	1	18.71	18.66	18.62			
40	PQ2 BPSK	1	108	18.66	18.79	18.76	17.9		0.0
40	PQ2 BPSK	1	214	18.68	18.75	18.73			
40	PQ2 BPSK	108	0	18.70	18.71	18.62	17.9		0.0
40	PQ2 BPSK	108	54	18.74	18.69	18.62	17.9		0.0
40	PQ2 BPSK	108	108	18.63	18.67	18.75			
40	PQ2 BPSK	216	0	18.65	18.76	18.70	17.9		0.0
40	QPSK	1	1	18.75	18.80	18.77			
40	QPSK	1	108	18.64	18.65	18.70	17.9		0.0
40	QPSK	1	214	18.72	18.78	18.67			
40	QPSK	108	0	18.70	18.74	18.62	17.9		0.0
40	QPSK	108	54	18.73	18.76	18.75	17.9		0.0
40	QPSK	108	108	18.71	18.72	18.69			
40	QPSK	216	0	18.61	18.72	18.68	17.9		0.0
40	16QAM	1	1	18.70	18.76	18.66	17.9		0.0
40	64QAM	1	1	18.71	18.74	18.69	17.9		0.0
40	256QAM	1	1	18.65	18.69	18.65	17.9		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.69	18.78	18.69	17.9		0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.67	18.67	18.65	17.9		0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.66	18.70	18.63	17.9		0.0
Channel				502500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.64	18.65	18.64	17.9		0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2566			
10	QPSK	1	1	18.72	18.71	18.68	17.9		0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.70	18.66	18.65	17.9		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	16.79	16.99	16.92			
40	Pl2 BPSK	1	108	16.77	16.84	16.90	17.8		
40	Pl2 BPSK	1	214	16.89	16.84	16.93			
40	Pl2 BPSK	108	0	16.82	16.86	16.88	17.8		
40	Pl2 BPSK	108	54	16.86	16.97	16.92	17.8		
40	Pl2 BPSK	108	108	16.76	16.90	16.85	17.8		
40	Pl2 BPSK	216	0	16.76	16.87	16.91			
40	QPSK	1	1	16.95	16.99	16.95			
40	QPSK	1	108	16.88	16.89	16.86	17.8		
40	QPSK	1	214	16.86	16.93	16.80			
40	QPSK	108	0	16.80	16.85	16.91	17.8		
40	QPSK	108	54	16.86	16.95	16.93	17.8		
40	QPSK	108	108	16.85	16.92	16.83	17.8		
40	QPSK	216	0	16.87	16.94	16.91			
40	16QAM	1	1	16.81	16.94	16.85	17.8		
40	64QAM	1	1	16.80	16.97	16.93	17.8		
40	256QAM	1	1	16.86	16.84	16.87	17.8		
Channel				508000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.88	16.86	16.92	17.8		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2537.5			
25	QPSK	1	1	16.76	16.97	16.94	17.8		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.77	16.87	16.87	17.8		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.79	16.94	16.85	17.8		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.84	16.87	16.93	17.8		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.81	16.91	16.91	17.8		

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	16.40	16.57	16.44			
40	Pl2 BPSK	1	108	16.42	16.45	16.42	19.9		
40	Pl2 BPSK	1	214	16.46	16.47	16.51			
40	Pl2 BPSK	108	0	16.37	16.49	16.52	19.9		
40	Pl2 BPSK	108	54	16.37	16.58	16.41	19.9		
40	Pl2 BPSK	108	108	16.41	16.57	16.47	19.9		
40	Pl2 BPSK	216	0	16.42	16.58	16.43			
40	QPSK	1	1	16.52	16.60	16.56			
40	QPSK	1	108	16.50	16.55	16.48	19.9		
40	QPSK	1	214	16.38	16.51	16.51			
40	QPSK	108	0	16.44	16.46	16.42	19.9		
40	QPSK	108	54	16.50	16.58	16.52	19.9		
40	QPSK	108	108	16.38	16.56	16.47	19.9		
40	QPSK	216	0	16.45	16.55	16.54			
40	16QAM	1	1	16.38	16.49	16.42	19.9		
40	64QAM	1	1	16.53	16.57	16.47	19.9		
40	256QAM	1	1	16.63	16.10	16.01	19.4		
Channel				508000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.50	16.49	16.47	19.9		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2537.5			
25	QPSK	1	1	16.50	16.51	16.48	19.9		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.51	16.52	16.45	19.9		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.43	16.57	16.47	19.9		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.47	16.54	16.54	19.9		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.51	16.49	16.53	19.9		

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	18.61	18.74	18.61			
15	Pl2 BPSK	1	40	18.62	18.66	18.65	20.2		
15	Pl2 BPSK	1	77	18.58	18.65	18.55			
15	Pl2 BPSK	36	0	18.57	18.71	18.66	20.2		
15	Pl2 BPSK	36	22	18.66	18.67	18.68	20.2		
15	Pl2 BPSK	36	43	18.65	18.75	18.65			
15	Pl2 BPSK	75	0	18.71	18.66	18.55	20.2		
15	QPSK	1	1	18.72	18.80	18.70			
15	QPSK	1	40	18.69	18.68	18.67	20.2		
15	QPSK	1	77	18.68	18.70	18.58			
15	QPSK	36	0	18.66	18.74	18.57	20.2		
15	QPSK	36	22	18.65	18.77	18.66	20.2		
15	QPSK	36	43	18.61	18.71	18.62	20.2		
15	QPSK	75	0	18.63	18.67	18.60			
15	16QAM	1	1	18.57	18.72	18.63	20.2		
15	64QAM	1	1	18.68	18.78	18.66	20.2		
15	256QAM	1	1	18.71	18.76	18.64	20.2		
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	18.65	18.66	18.69	20.2		
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	18.65	18.73	18.65	20.2		

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	18.03	18.15	18.11		19.8	0.0
15	Pl2 BPSK	1	40	18.08	18.12	18.14			
15	Pl2 BPSK	1	77	18.05	18.15	18.02			
15	Pl2 BPSK	36	0	18.09	18.19	18.12	19.8	0.0	
15	Pl2 BPSK	36	22	18.03	18.17	18.03	19.8	0.0	
15	Pl2 BPSK	36	43	18.02	18.12	18.05	19.8	0.0	
15	Pl2 BPSK	75	0	18.04	18.17	18.03			
15	QPSK	1	1	18.12	18.20	18.15			
15	QPSK	1	40	18.01	18.07	18.10	19.8	0.0	
15	QPSK	1	77	18.02	18.16	18.12			
15	QPSK	36	0	18.08	18.09	18.03	19.8	0.0	
15	QPSK	36	22	18.11	18.19	18.12	19.8	0.0	
15	QPSK	36	43	18.07	18.18	18.08			
15	QPSK	75	0	18.06	18.16	18.11	19.8	0.0	
15	16QAM	1	1	18.02	18.18	18.12	19.8	0.0	
15	64QAM	1	1	18.10	18.07	18.01	19.8	0.0	
15	256QAM	1	1	18.00	18.10	18.02	19.8	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	18.07	18.16	18.10	19.8	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				703.5	707.5	711.5	(dBm)	(dB)	
5	QPSK	1	1	18.10	18.12	18.02	19.8	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	23.38	23.34	23.33		24.7	0.0
20	Pl2 BPSK	1	53	23.36	23.39	23.39			
20	Pl2 BPSK	1	104	23.39	23.44	23.34			
20	Pl2 BPSK	50	0	23.34	23.36	23.28	24.7	0.0	
20	Pl2 BPSK	50	28	23.32	23.36	23.30	24.7	0.0	
20	Pl2 BPSK	50	56	23.28	23.42	23.28	24.7	0.0	
20	Pl2 BPSK	100	0	23.32	23.33	23.34			
20	QPSK	1	1	23.40	23.47	23.42			
20	QPSK	1	53	23.35	23.45	23.29	24.7	0.0	
20	QPSK	1	104	23.34	23.32	23.33			
20	QPSK	50	0	23.31	23.37	23.36	24.7	0.0	
20	QPSK	50	28	23.38	23.45	23.40	24.7	0.0	
20	QPSK	50	56	23.32	23.35	23.38			
20	QPSK	100	0	23.32	23.35	23.32	24.7	0.0	
20	16QAM	1	1	23.28	23.41	23.33	24.7	0.0	
20	64QAM	1	1	23.14	23.24	23.10	24.2	0.5	
20	256QAM	1	1	22.67	22.82	22.73	23.7	1.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	23.28	23.32	23.37	24.7	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	23.36	23.35	23.35	24.7	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.27	23.35	23.34	24.7	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	20.56	20.66	20.63		21.8	0.0
20	Pl2 BPSK	1	53	20.60	20.55	20.65			
20	Pl2 BPSK	1	104	20.48	20.59	20.57			
20	Pl2 BPSK	50	0	20.53	20.61	20.67	21.8	0.0	
20	Pl2 BPSK	50	28	20.48	20.69	20.61	21.8	0.0	
20	Pl2 BPSK	50	56	20.58	20.58	20.59	21.8	0.0	
20	Pl2 BPSK	100	0	20.58	20.64	20.60			
20	QPSK	1	1	20.62	20.70	20.68			
20	QPSK	1	53	20.53	20.56	20.62	21.8	0.0	
20	QPSK	1	104	20.67	20.67	20.66			
20	QPSK	50	0	20.60	20.62	20.62	21.8	0.0	
20	QPSK	50	28	20.61	20.68	20.65	21.8	0.0	
20	QPSK	50	56	20.57	20.60	20.62			
20	QPSK	100	0	20.60	20.64	20.57	21.8	0.0	
20	16QAM	1	1	20.55	20.58	20.59	21.8	0.0	
20	64QAM	1	1	20.53	20.60	20.55	21.8	0.0	
20	256QAM	1	1	20.58	20.56	20.67	21.8	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	20.50	20.58	20.57	21.8	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	20.49	20.66	20.59	21.8	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	20.51	20.58	20.55	21.8	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
Frequency (MHz)				20.71	20.75	20.88			
40	Pl2 BPSK	1	1	20.71	20.75	20.88	21.9	0.0	
40	Pl2 BPSK	1	108	20.71	20.65	20.63			
40	Pl2 BPSK	1	214	20.66	20.77	20.64			
40	Pl2 BPSK	108	0	20.58	20.67	20.66	21.9	0.0	
40	Pl2 BPSK	108	54	20.66	20.73	20.68	21.9	0.0	
40	Pl2 BPSK	108	108	20.68	20.73	20.63			
40	Pl2 BPSK	216	0	20.61	20.65	20.75	21.9	0.0	
40	QPSK	1	1	20.72	20.80	20.76			
40	QPSK	1	108	20.57	20.69	20.68	21.9	0.0	
40	QPSK	1	214	20.80	20.72	20.72			
40	QPSK	108	0	20.68	20.69	20.63	21.9	0.0	
40	QPSK	108	54	20.70	20.79	20.74	21.9	0.0	
40	QPSK	108	108	20.65	20.71	20.67			
40	QPSK	216	0	20.66	20.76	20.67	21.9	0.0	
40	16QAM	1	1	20.68	20.67	20.72	21.9	0.0	
40	64QAM	1	1	20.58	20.70	20.61	21.9	0.0	
40	256QAM	1	1	20.62	20.66	20.74	21.9	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.64	20.65	20.72	21.9	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.59	20.74	20.70	21.9	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.68	20.77	20.71	21.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.60	20.73	20.67	21.9	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.67	20.66	20.66	21.9	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
Frequency (MHz)				18.38	18.47	18.52			
40	Pl2 BPSK	1	1	18.38	18.47	18.52	19.1	0.0	
40	Pl2 BPSK	1	108	18.47	18.56	18.46			
40	Pl2 BPSK	1	214	18.44	18.53	18.51			
40	Pl2 BPSK	108	0	18.38	18.49	18.40	19.1	0.0	
40	Pl2 BPSK	108	54	18.40	18.49	18.48	19.1	0.0	
40	Pl2 BPSK	108	108	18.43	18.54	18.50			
40	Pl2 BPSK	216	0	18.46	18.58	18.43	19.1	0.0	
40	QPSK	1	1	18.52	18.60	18.56			
40	QPSK	1	108	18.40	18.47	18.43	19.1	0.0	
40	QPSK	1	214	18.46	18.56	18.43			
40	QPSK	108	0	18.46	18.52	18.40	19.1	0.0	
40	QPSK	108	54	18.50	18.58	18.46	19.1	0.0	
40	QPSK	108	108	18.48	18.55	18.44			
40	QPSK	216	0	18.45	18.55	18.41	19.1	0.0	
40	16QAM	1	1	18.38	18.46	18.42	19.1	0.0	
40	64QAM	1	1	18.39	18.45	18.51	19.1	0.0	
40	256QAM	1	1	18.44	18.58	18.54	19.1	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.51	18.54	18.44	19.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.45	18.52	18.40	19.1	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.38	18.46	18.43	19.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.50	18.45	18.47	19.1	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.46	18.59	18.48	19.1	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
Frequency (MHz)				19.63	19.64	19.61			
40	Pl2 BPSK	1	1	19.63	19.64	19.61	20.8	0.0	
40	Pl2 BPSK	1	108	19.58	19.63	19.66			
40	Pl2 BPSK	1	214	19.55	19.61	19.58			
40	Pl2 BPSK	108	0	19.52	19.59	19.55	20.8	0.0	
40	Pl2 BPSK	108	54	19.64	19.67	19.58	20.8	0.0	
40	Pl2 BPSK	108	108	19.51	19.62	19.66			
40	Pl2 BPSK	216	0	19.51	19.71	19.62	20.8	0.0	
40	QPSK	1	1	19.65	19.72	19.68			
40	QPSK	1	108	19.63	19.62	19.54	20.8	0.0	
40	QPSK	1	214	19.54	19.66	19.59			
40	QPSK	108	0	19.50	19.57	19.54	20.8	0.0	
40	QPSK	108	54	19.60	19.69	19.66	20.8	0.0	
40	QPSK	108	108	19.54	19.60	19.62			
40	QPSK	216	0	19.57	19.66	19.54	20.8	0.0	
40	16QAM	1	1	19.55	19.71	19.55	20.8	0.0	
40	64QAM	1	1	19.50	19.70	19.67	20.8	0.0	
40	256QAM	1	1	19.50	19.58	19.57	20.8	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.57	19.64	19.62	20.8	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.63	19.59	19.63	20.8	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.58	19.57	19.62	20.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.57	19.66	19.57	20.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.62	19.58	19.61	20.8	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	19.0	0.0
Frequency (MHz)				1728	1736	1744		
40	PI2 BPSK	1	1	17.37	17.43	17.37		
40	PI2 BPSK	1	214	17.30	17.42	17.38	19.0	0.0
40	PI2 BPSK	108	0	17.33	17.38	17.35		
40	PI2 BPSK	108	54	17.27	17.44	17.30		
40	PI2 BPSK	108	108	17.40	17.46	17.31	19.0	0.0
40	PI2 BPSK	216	0	17.38	17.38	17.35		
40	QPSK	1	1	17.42	17.50	17.42		
40	QPSK	1	108	17.33	17.47	17.35	19.0	0.0
40	QPSK	1	214	17.30	17.43	17.30		
40	QPSK	108	0	17.38	17.42	17.31		
40	QPSK	108	54	17.41	17.46	17.43	19.0	0.0
40	QPSK	108	108	17.33	17.40	17.39		
40	QPSK	216	0	17.33	17.45	17.40		
40	16QAM	1	1	17.38	17.38	17.35	19.0	0.0
40	64QAM	1	1	17.40	17.35	17.40		
40	256QAM	1	1	17.36	17.39	17.40		
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.35	17.35	17.38		
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	17.40	17.43	17.43		
Channel				343500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.33	17.46	17.33		
Channel				343500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.28	17.47	17.33		
Channel				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.34	17.36	17.31		

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	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	18.54	18.56	18.59	19.9	0.0	
40	Pl2 BPSK	1	53	18.52	18.53	18.59			
40	Pl2 BPSK	1	104	18.56	18.54	18.47			
40	Pl2 BPSK	50	0	18.44	18.52	18.53	19.9	0.0	
40	Pl2 BPSK	50	28	18.43	18.63	18.51	19.9	0.0	
40	Pl2 BPSK	50	56	18.45	18.54	18.59	19.9	0.0	
40	Pl2 BPSK	100	0	18.56	18.54	18.56			
40	QPSK	1	1	18.58	18.66	18.02			
40	QPSK	1	53	18.54	18.59	18.49	19.9	0.0	
40	QPSK	1	104	18.57	18.62	18.47			
40	QPSK	50	0	18.44	18.56	18.59			
40	QPSK	50	28	18.35	18.65	18.61	19.9	0.0	
40	QPSK	50	56	18.50	18.63	18.50			
40	QPSK	100	0	18.52	18.60	18.48			
40	16QAM	1	1	18.44	18.53	18.48	19.9	0.0	
40	64QAM	1	1	18.47	18.59	18.49	19.9	0.0	
40	256QAM	1	1	18.48	18.62	18.48	19.9	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	18.57	18.57	18.59	19.9		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611.01	2611	2620.99			
20	QPSK	1	1	18.52	18.52	18.56	19.9		
Channel				515002	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.51	2595	2612.49			
15	QPSK	1	1	18.57	18.51	18.54	19.9		
Channel				514000	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.92	2595	2614.98			
10	QPSK	1	1	18.46	18.60	18.48	19.9		

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	17.16	17.23	17.20	18.3	0.0	
40	P2 BPSK	1	53	17.21	17.29	17.23			
40	P2 BPSK	1	104	17.13	17.20	17.13			
40	P2 BPSK	50	0	17.09	17.18	17.19	18.3	0.0	
40	P2 BPSK	50	28	17.18	17.22	17.16	18.3	0.0	
40	P2 BPSK	50	56	17.20	17.27	17.20	18.3	0.0	
40	P2 BPSK	100	0	17.20	17.27	17.12			
40	QPSK	1	1	17.23	17.30	17.27			
40	QPSK	1	53	17.11	17.25	17.16	18.3	0.0	
40	QPSK	1	104	17.16	17.27	17.18			
40	QPSK	50	0	17.14	17.19	17.25			
40	QPSK	50	28	17.20	17.27	17.25	18.3	0.0	
40	QPSK	50	56	17.18	17.21	17.12			
40	QPSK	100	0	17.18	17.25	17.19			
40	16QAM	1	1	17.12	17.23	17.16	18.3	0.0	
40	64QAM	1	1	17.14	17.18	17.16	18.3	0.0	
40	256QAM	1	1	17.22	17.28	17.17	18.3	0.0	
Channel									
Frequency (MHz)				520002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.13	17.20	17.16	18.3	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.19	17.20	17.18	18.3	0.0	
Channel									
Frequency (MHz)				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.14	17.29	17.20	18.3	0.0	
Channel									
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.12	17.18	17.17	18.3	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)				518024	519000	519996	2590.02	2595	2599.98
40	Pl2 BPSK	1	1	16.80	16.89	16.84	17.8	0.0	
40	Pl2 BPSK	1	53	16.75	16.88	16.83			
40	Pl2 BPSK	1	104	16.73	16.87	16.89			
40	Pl2 BPSK	50	0	16.75	16.83	16.88	17.8	0.0	
40	Pl2 BPSK	50	28	16.80	16.85	16.83	17.8	0.0	
40	Pl2 BPSK	50	56	16.80	16.86	16.81	17.8	0.0	
40	Pl2 BPSK	100	0	16.78	16.91	16.87			
40	QPSK	1	1	16.88	16.95	16.93			
40	QPSK	1	53	16.82	16.93	16.79	17.8	0.0	
40	QPSK	1	104	16.84	16.88	16.86			
40	QPSK	50	0	16.80	16.80	16.76			
40	QPSK	50	28	16.76	16.93	16.76	17.8	0.0	
40	QPSK	50	56	16.82	16.82	16.76			
40	QPSK	100	0	16.83	16.88	16.82			
40	16QAM	1	1	16.81	16.81	16.88	17.8	0.0	
40	64QAM	1	1	16.76	16.84	16.88	17.8	0.0	
40	256QAM	1	1	16.74	16.94	16.81	17.8	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.85	16.91	16.86	17.8	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.87	16.92	16.87	17.8	0.0	
Channel									
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.81	16.86	16.87	17.8	0.0	
Channel									
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.77	16.80	16.85	17.8	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	PQ2 BPSK	1	1	15.12	15.22	15.17			
100	PQ2 BPSK	1	137	15.18	15.26	15.15	16.1	0.0	
100	PQ2 BPSK	135	0	15.07	15.30	15.18	16.1	0.0	
100	PQ2 BPSK	135	69	15.13	15.20	15.19	16.1	0.0	
100	PQ2 BPSK	135	138	15.12	15.22	15.16	16.1	0.0	
100	PQ2 BPSK	270	0	15.14	15.20	15.24			
100	QPSK	1	1	15.22	15.35	15.30			
100	QPSK	1	137	15.16	15.20	15.16	16.1	0.0	
100	QPSK	1	271	15.18	15.28	15.25			
100	QPSK	135	0	15.09	15.24	15.17			
100	QPSK	135	69	15.17	15.26	15.21	16.1	0.0	
100	QPSK	135	138	15.09	15.25	15.26			
100	QPSK	270	0	15.16	15.26	15.22	16.1	0.0	
100	16QAM	1	1	15.10	15.30	15.21	16.1	0.0	
100	64QAM	1	1	15.08	15.22	15.15	16.1	0.0	
100	256QAM	1	1	15.16	15.20	15.26	16.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.12	15.26	15.16	16.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.13	15.21	15.25	16.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.17	15.33	15.26	16.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.14	15.21	15.21	16.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.15	15.22	15.17	16.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.08	15.25	15.19	16.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.12	15.23	15.17	16.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.11	15.32	15.17	15.1	0.0	

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	Pl2 BPSK	1	1	15.98	16.05	16.15			
100	Pl2 BPSK	1	137	16.00	16.07	16.01	17.2	0.0	
100	Pl2 BPSK	1	271	15.99	16.14	16.06			
100	Pl2 BPSK	135	0	16.04	16.08	16.11	17.2	0.0	
100	Pl2 BPSK	135	69	16.00	16.10	16.03	17.2	0.0	
100	Pl2 BPSK	135	138	16.06	16.14	16.09	17.2	0.0	
100	Pl2 BPSK	270	0	16.00	16.11	16.13			
100	QPSK	1	1	16.12	16.20	16.16			
100	QPSK	1	137	16.00	16.18	16.14	17.2	0.0	
100	QPSK	1	271	16.02	16.10	16.09			
100	QPSK	135	0	16.06	16.14	16.02			
100	QPSK	135	69	16.10	16.16	16.07	17.2	0.0	
100	QPSK	135	138	15.99	16.15	16.07			
100	QPSK	270	0	16.08	16.17	16.02	17.2	0.0	
100	16QAM	1	1	15.98	16.15	16.04	17.2	0.0	
100	64QAM	1	1	16.06	16.07	16.01	17.2	0.0	
100	256QAM	1	1	16.10	16.05	16.11	17.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.06	16.08	16.03	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.06	16.10	16.14	17.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.07	16.16	16.04	17.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.07	16.19	16.05	17.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.05	16.13	16.07	17.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.07	16.14	16.15	17.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.09	16.12	16.04	17.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.08	16.07	16.13	17.2	0.0	

FCC_n41(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	15.98	16.05	16.15			
100	Pl2 BPSK	1	137	16.00	16.07	16.01	17.2		0.0
100	Pl2 BPSK	1	271	15.99	16.14	16.06			
100	Pl2 BPSK	135	0	16.04	16.08	16.11	17.2		0.0
100	Pl2 BPSK	135	69	16.00	16.19	16.03	17.2		0.0
100	Pl2 BPSK	135	138	16.06	16.14	16.09	17.2		0.0
100	Pl2 BPSK	270	0	16.00	16.11	16.13			
100	QPSK	1	1	16.12	16.20	16.16			
100	QPSK	1	137	16.00	16.18	16.14	17.2		0.0
100	QPSK	1	271	16.02	16.10	16.09			
100	QPSK	135	0	16.06	16.14	16.02			
100	QPSK	135	69	16.10	16.16	16.07	17.2		0.0
100	QPSK	135	138	15.99	16.15	16.07			
100	QPSK	270	0	16.08	16.17	16.02	17.2		0.0
100	16QAM	1	1	15.98	16.15	16.04	17.2		0.0
100	64QAM	1	1	16.06	16.07	16.01	17.2		0.0
100	256QAM	1	1	16.10	16.05	16.11	17.2		0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.06	16.08	16.03	17.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	2536	2592	2603	17.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.08	16.10	16.14	17.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	25250	25998	26196	17.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.07	16.16	16.04	17.2		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	254234	259980	260498	17.2		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.07	16.19	16.05	17.2		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	253302	259896	263400	17.2		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	2516.01	2592.99	2670	17.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.10	16.13	16.07	17.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	25704	25998	255958	17.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	2506	2592	2679	17.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.07	16.14	16.15	17.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.09	16.12	16.04	17.2		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.020	16.098	15796	17.2		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	2498	2592	26818	17.2		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.09	16.07	16.13	17.2		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				633332	3499.98				
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	16.41					
100	Pl2 BPSK	1	137	16.32			17.2	0.0	
100	Pl2 BPSK	1	271	16.39					
100	Pl2 BPSK	135	0	16.44			17.2	0.0	
100	Pl2 BPSK	135	69	16.40			17.2	0.0	
100	Pl2 BPSK	135	138	16.31			17.2	0.0	
100	Pl2 BPSK	270	0	16.42					
100	QPSK	1	1	16.45					
100	QPSK	1	137	16.42			17.2	0.0	
100	QPSK	1	271	16.35					
100	QPSK	135	0	16.32					
100	QPSK	135	69	16.42			17.2	0.0	
100	QPSK	135	138	16.40					
100	QPSK	270	0	16.37			17.2	0.0	
100	16QAM	1	1	16.40			17.2	0.0	
100	64QAM	1	1	16.41			17.2	0.0	
100	256QAM	1	1	16.35			17.2	0.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	16.31	16.29	16.31	17.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	16.26	16.24	16.30	17.2	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	16.30	16.33	16.27	17.2	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	16.33	16.24	16.30	17.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	16.21	16.34	16.26	17.2	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	16.19	16.34	16.32	17.2	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	16.24	16.21	16.23	17.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.23	16.24	16.32	17.2	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	650000			
Frequency (MHz)				3750	3840	3930			
100	Pl2 BPSK	1	1	16.01	16.18	16.06			
100	Pl2 BPSK	1	137	16.14	16.19	16.15	17.2	0.0	
100	Pl2 BPSK	1	271	16.14	16.14	16.16			
100	Pl2 BPSK	135	0	16.07	16.16	16.03	17.2	0.0	
100	Pl2 BPSK	135	69	16.12	16.12	16.04	17.2	0.0	
100	Pl2 BPSK	135	138	16.11	16.17	16.09	17.2	0.0	
100	Pl2 BPSK	270	0	16.07	16.17	16.14			
100	QPSK	1	1	16.15	16.22	16.18			
100	QPSK	1	137	16.04	16.20	16.14	17.2	0.0	
100	QPSK	1	271	16.13	16.11	16.06			
100	QPSK	135	0	16.04	16.17	16.12			
100	QPSK	135	69	16.08	16.20	16.15	17.2	0.0	
100	QPSK	135	138	16.05	16.18	16.07			
100	QPSK	270	0	16.03	16.18	16.11	17.2	0.0	
100	16QAM	1	1	16.01	16.18	16.05	17.2	0.0	
100	64QAM	1	1	16.06	16.08	16.17	17.2	0.0	
100	256QAM	1	1	16.07	16.13	16.07	17.2	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3740	3741.98	(dBm)	(dB)	
90	QPSK	1	1	16.08	16.18	16.17	17.2	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.98	(dBm)	(dB)	
80	QPSK	1	1	16.07	16.18	16.14	17.2	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	16.00	16.09	16.04	17.2	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3732.02	3840	3948.98	(dBm)	(dB)	
60	QPSK	1	1	16.03	16.13	16.17	17.2	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)	(dB)	
50	QPSK	1	1	16.01	16.11	16.04	17.2	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	16.10	16.16	16.17	17.2	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	16.05	16.07	16.08	17.2	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.98	(dBm)	(dB)	
20	QPSK	1	1	16.02	16.13	16.08	17.2	0.0	

Part27Q_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low 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	16.38					
100	Pl2 BPSK	1	137	16.46			18.2	0.0	
100	Pl2 BPSK	1	271	16.39					
100	Pl2 BPSK	135	0	16.50			18.2	0.0	
100	Pl2 BPSK	135	69	16.53			18.2	0.0	
100	Pl2 BPSK	135	138	16.46			18.2	0.0	
100	Pl2 BPSK	270	0	16.45					
100	QPSK	1	1	16.54					
100	QPSK	1	137	16.48			18.2	0.0	
100	QPSK	1	271	16.45					
100	QPSK	135	0	16.50					
100	QPSK	135	69	16.53			18.2	0.0	
100	QPSK	135	138	16.51					
100	QPSK	270	0	16.49			18.2	0.0	
100	16QAM	1	1	16.50			18.2	0.0	
100	64QAM	1	1	16.47			18.2	0.0	
100	256QAM	1	1	16.50			18.2	0.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		
80	QPSK	1	1	16.39	16.39	16.43	18.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)		
80	QPSK	1	1	16.43	16.32	16.37	18.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486	3499.98	3518.98	(dBm)		
70	QPSK	1	1	16.37	16.37	16.38	18.2	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.98	(dBm)		
60	QPSK	1	1	16.35	16.38	16.35	18.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3478.02	3499.98	3520	(dBm)		
50	QPSK	1	1	16.40	16.29	16.42	18.2	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	16.38	16.40	16.44	18.2	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3466	3499.98	3534.98	(dBm)		
30	QPSK	1	1	16.38	16.30	16.35	18.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
25	QPSK	1	1	16.32	16.32	16.45	18.2	0.0	

Part270_n77_Ant 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				650000	656000	662000				
				3750	3840	3930				
100	Pi2 BPSK	1	1	16.51	16.51	16.45				
100	Pi2 BPSK	1	137	16.51	16.58	16.54	18.2	0.0		
100	Pi2 BPSK	1	271	16.49	16.49	16.49				
100	Pi2 BPSK	135	0	16.42	16.57	16.40	18.2	0.0		
100	Pi2 BPSK	135	69	16.48	16.61	16.48	18.2	0.0		
100	Pi2 BPSK	135	138	16.42	16.56	16.54	18.2	0.0		
100	Pi2 BPSK	270	0	16.45	16.50	16.52	18.2	0.0		
100	QPSK	1	1	16.57	16.53	16.55				
100	QPSK	1	137	16.46	16.56	16.40	18.2	0.0		
100	QPSK	1	271	16.45	16.53	16.52				
100	QPSK	135	0	16.51	16.59	16.48				
100	QPSK	135	69	16.56	16.62	16.53	18.2	0.0		
100	QPSK	135	138	16.55	16.59	16.51				
100	QPSK	270	0	16.56	16.60	16.45	18.2	0.0		
100	16QAM	1	1	16.56	16.54	16.54	18.2	0.0		
100	64QAM	1	1	16.55	16.48	16.45	18.2	0.0		
100	256QAM	1	1	16.56	16.54	16.48	18.2	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	16.54	16.48	16.52	18.2	0.0		
Channel										
Frequency (MHz)				3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	16.48	16.61	16.49	18.2	0.0		
Channel										
Frequency (MHz)				648000 <th>650000<th>662000</th><th>Tune-up limit (dBm)</th><th colspan="3">MPR (dB)</th></th>	650000 <th>662000</th> <th>Tune-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	662000	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	16.42	16.61	16.40	18.2	0.0		
Channel										
Frequency (MHz)				648668 <th>650000<th>663332</th><th>Tune-up limit (dBm)</th><th colspan="3">MPR (dB)</th></th>	650000 <th>663332</th> <th>Tune-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	663332	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	16.49	16.51	16.49	18.2	0.0		
Channel										
Frequency (MHz)				648334 <th>650000<th>663666</th><th>Tune-up limit (dBm)</th><th colspan="3">MPR (dB)</th></th>	650000 <th>663666</th> <th>Tune-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	663666	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	16.53	16.54	16.43	18.2	0.0		
Channel										
Frequency (MHz)				648000 <th>650000<th>664000</th><th>Tune-up limit (dBm)</th><th colspan="3">MPR (dB)</th></th>	650000 <th>664000</th> <th>Tune-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	664000	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	16.53	16.56	16.45	18.2	0.0		
Channel										
Frequency (MHz)				647668 <th>650000<th>664666</th><th>Tune-up limit (dBm)</th><th colspan="3">MPR (dB)</th></th>	650000 <th>664666</th> <th>Tune-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	664666	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	16.56	16.52	16.50	18.2	0.0		
Channel										
Frequency (MHz)				647334 <th>650000<th>664996</th><th>Tune-up limit (dBm)</th><th colspan="3">MPR (dB)</th></th>	650000 <th>664996</th> <th>Tune-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	664996	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	16.44	16.58	16.45	18.2	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)				639000	633332	634998				
100	Pi/2 BPSK	1	1		16.81					
100	Pi/2 BPSK	1	137		16.78		18.2	0.0		
100	Pi/2 BPSK	1	271		16.71					
100	Pi/2 BPSK	135	0		16.78		18.2	0.0		
100	Pi/2 BPSK	135	69		16.74		18.2	0.0		
100	Pi/2 BPSK	135	138		16.73		18.2	0.0		
100	Pi/2 BPSK	270	0		16.77					
100	QPSK	1	1		16.82					
100	QPSK	1	137		16.68		18.2	0.0		
100	QPSK	1	271		16.77					
100	QPSK	135	0		16.69		18.2	0.0		
100	QPSK	135	69		16.80					
100	QPSK	135	138		16.73					
100	QPSK	270	0		16.75		18.2	0.0		
100	16QAM	1	1		16.74		18.2	0.0		
100	64QAM	1	1		16.76		18.2	0.0		
100	256QAM	1	1		16.67		18.2	0.0		
Channel										
Frequency (MHz)				639000	633332	633666	Tune-up limit (dBm)	MPR (dB)		
				3405	3409.98	3504.98				
90	QPSK	1	1		16.67	16.63	16.76	18.2	0.0	
Channel										
Frequency (MHz)				639002	633332	634000	Tune-up limit (dBm)	MPR (dB)		
				3400.02	3409.98	3510				
80	QPSK	1	1		16.65	16.70	16.78	18.2	0.0	
Channel										
Frequency (MHz)				632334	633332	634112	Tune-up limit (dBm)	MPR (dB)		
				3405.01	3409.98	3514.98				
70	QPSK	1	1		16.65	16.75	16.70	18.2	0.0	
Channel										
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)		
				3400	3409.98	3518.98				
60	QPSK	1	1		16.68	16.63	16.70	18.2	0.0	
Channel										
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
				3475.02	3409.98	3525				
50	QPSK	1	1		16.60	16.65	16.71	18.2	0.0	
Channel										
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3409.98	3529.98				
40	QPSK	1	1		16.59	16.64	16.79	18.2	0.0	
Channel										
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)		
				3465	3409.98	3534.98				
30	QPSK	1	1		16.68	16.73	16.77	18.2	0.0	
Channel										
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
				3460.02	3409.98	3540				
20	QPSK	1	1		16.64	16.74	16.66	18.2	0.0	

Part270_n77_Ant 6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	660000				
Frequency (MHz)				3750	3840	3930				
100	Pi/2 BPSK	1	1	16.84	16.81	16.78				
100	Pi/2 BPSK	1	137	16.83	16.77	16.79	18.2	0.0		
100	Pi/2 BPSK	135	0	16.74	16.91	16.78	18.2	0.0		
100	Pi/2 BPSK	135	68	16.79	16.87	16.87	18.2	0.0		
100	Pi/2 BPSK	135	138	16.73	16.77	16.82	18.2	0.0		
100	Pi/2 BPSK	270	0	16.72	16.87	16.85				
100	QPSK	1	1	16.85	16.82	16.80				
100	QPSK	1	137	16.84	16.84	16.73	18.2	0.0		
100	QPSK	1	271	16.79	16.82	16.81				
100	QPSK	135	0	16.82	16.85	16.80				
100	QPSK	135	68	16.85	16.90	16.91	18.2	0.0		
100	QPSK	270	0	16.86	16.77	16.77				
100	16QAM	1	1	18.82	18.82	16.78	18.2	0.0		
100	64QAM	1	1	16.84	16.86	16.86	18.2	0.0		
100	256QAM	1	1	16.70	16.88	16.88				
Channel				649608	650000	660332	Tune-up limit (dBm)	MPR (dB)		
100	QPSK	1	1	3745.02	3840	3930.98	18.2	0.0		
Frequency (MHz)				3745.02	3840	3930.98 <th><th colspan="2"></th></th>	<th colspan="2"></th>			
100	QPSK	1	1	16.77	16.83	16.78	18.2	0.0		
Channel				650000	650000	660306 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)		
100	QPSK	1	1	3740.01	3840	3930.99	18.2	0.0		
Frequency (MHz)				3740.01	3840	3930.99 <th><th colspan="2"></th></th>	<th colspan="2"></th>			
100	QPSK	1	1	16.78	16.83	16.82	18.2	0.0		
Channel				649950	650000	660300 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)		
100	QPSK	1	1	3740.02	3840	3930.95	18.2	0.0		
Frequency (MHz)				3740.02	3840 <td>3930.95</td> <th><th colspan="2"></th></th>	3930.95	<th colspan="2"></th>			
100	QPSK	1	1	16.74	16.91	16.75	18.2	0.0		
Channel				649898	650000	660332	Tune-up limit (dBm)	MPR (dB)		
100	QPSK	1	1	3740.02	3840	3930.98	18.2	0.0		
Frequency (MHz)				3740.02	3840 <td>3930.98</td> <th><th colspan="2"></th></th>	3930.98	<th colspan="2"></th>			
100	QPSK	1	1	16.73	16.85	16.82	18.2	0.0		
Channel				649834	650000	660366	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	3725.01	3840	3964.99 <th>18.2</th> <th colspan="2">0.0</th>	18.2	0.0		
Frequency (MHz)				3725.01	3840	3964.98				
50	QPSK	1	1	16.70	16.77	16.77	18.2	0.0		
Channel				648900	650000	660500	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	3720 <th>3840</th> <th>3960</th> <th>18.2</th> <th colspan="2">0.0</th>	3840	3960	18.2	0.0		
Frequency (MHz)				3720	3840	3960				
30	QPSK	1	1	16.83	16.89	16.81	18.2	0.0		
Frequency (MHz)				647808	650000	660432	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	3715.02 <th>3840</th> <th>3964.98</th> <th>18.2</th> <th colspan="2">0.0</th>	3840	3964.98	18.2	0.0		
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	16.84 <th>16.89</th> <th>16.85</th> <th>18.2</th> <th colspan="2">0.0</th>	16.89	16.85	18.2	0.0		
Frequency (MHz)				647334	650000	660466	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	3710.01 <th>3840</th> <th>3969.99</th> <th>18.2</th> <th colspan="2">0.0</th>	3840	3969.99	18.2	0.0		
Frequency (MHz)				3710.01	3840	3969.99				
20	QPSK	1	1	16.75 <th>16.85</th> <th>18.79</th> <th>18.2</th> <th colspan="2">0.0</th>	16.85	18.79	18.2	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	16.11				17.7	0.0
100	Pl2 BPSK	1	137	16.08					
100	Pl2 BPSK	1	271	16.15					
100	Pl2 BPSK	135	0	16.12				17.7	0.0
100	Pl2 BPSK	135	69	16.09				17.7	0.0
100	Pl2 BPSK	135	138	16.13				17.7	0.0
100	Pl2 BPSK	270	0	16.06				17.7	0.0
100	QPSK	1	1	16.16					
100	QPSK	1	137	16.12					
100	QPSK	1	271	16.07				17.7	0.0
100	QPSK	135	0	16.10					
100	QPSK	135	69	16.15					
100	QPSK	135	138	16.08				17.7	0.0
100	QPSK	270	0	16.10					
100	16QAM	1	1	16.06				17.7	0.0
100	64QAM	1	1	16.08				17.7	0.0
100	256QAM	1	1	16.08				17.7	0.0
Channel				633000		633666		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	16.09	16.05	16.05	17.7	0.0	
Channel				632668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	16.03	16.10	16.13	17.7	0.0	
Channel				632334		633000		Tune-up limit (dBm)	
Frequency (MHz)									
70	QPSK	1	1	16.06	16.09	16.16	17.7	0.0	
Channel				632000		633332		Tune-up limit (dBm)	
Frequency (MHz)									
60	QPSK	1	1	16.07	16.04	16.10	17.7	0.0	
Channel				631668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
50	QPSK	1	1	16.09	16.08	16.07	17.7	0.0	
Channel				631334		633332		Tune-up limit (dBm)	
Frequency (MHz)									
40	QPSK	1	1	16.09	16.06	16.12	17.7	0.0	
Channel				631000		633332		Tune-up limit (dBm)	
Frequency (MHz)									
30	QPSK	1	1	16.16	16.00	16.03	17.7	0.0	
Channel				630668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
20	QPSK	1	1	16.05	16.06	16.07	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		650000			
Frequency (MHz)									
100	Pl2 BPSK	1	1	16.14	16.06	16.12		17.7	0.0
100	Pl2 BPSK	1	137	16.01	16.06	16.02			
100	Pl2 BPSK	1	271	16.06	16.09	16.05			
100	Pl2 BPSK	135	0	16.12	16.00	16.11		17.7	0.0
100	Pl2 BPSK	135	69	16.12	16.12	16.10		17.7	0.0
100	Pl2 BPSK	135	138	16.06	16.04	16.13		17.7	0.0
100	Pl2 BPSK	270	0	16.06	16.01	16.04		17.7	0.0
100	QPSK	1	1	16.16	16.20	16.14			
100	QPSK	1	137	16.02	16.04	16.02			
100	QPSK	1	271	16.07	16.07	16.09		17.7	0.0
100	QPSK	135	0	16.09	16.00	16.11			
100	QPSK	135	69	16.12	16.17	16.13			
100	QPSK	135	138	16.11	16.01	16.07		17.7	0.0
100	QPSK	270	0	16.01	16.13	16.09			
100	16QAM	1	1	16.03	16.11	16.06		17.7	0.0
100	64QAM	1	1	16.01	16.07	16.04		17.7	0.0
100	256QAM	1	1	16.01	16.01	16.08		17.7	0.0
Channel				649668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
90	QPSK	1	1	16.12	16.05	16.11	17.7	0.0	
Channel				649334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1	16.15	16.05	15.99	17.7	0.0	
Channel				649000		650000		Tune-up limit (dBm)	
Frequency (MHz)									
70	QPSK	1	1	16.06	15.98	16.01	17.7	0.0	
Channel				648668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
60	QPSK	1	1	16.10	15.98	16.01	17.7	0.0	
Channel				648334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
50	QPSK	1	1	16.07	16.06	16.06	17.7	0.0	
Channel				648000		650000		Tune-up limit (dBm)	
Frequency (MHz)									
40	QPSK	1	1	16.01	16.02	16.10	17.7	0.0	
Channel				647668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
30	QPSK	1	1	16.07	16.02	16.06	17.7	0.0	
Channel				647334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
20	QPSK	1	1	16.02	16.10	16.13	17.7	0.0	

Part27Q_n78_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				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	17.06				18.2	0.0
100	Pl2 BPSK	1	137	17.11					
100	Pl2 BPSK	1	271	17.07					
100	Pl2 BPSK	135	0	17.03				18.2	0.0
100	Pl2 BPSK	135	69	17.06				18.2	0.0
100	Pl2 BPSK	135	138	17.06				18.2	0.0
100	Pl2 BPSK	135	138	17.12				18.2	0.0
100	Pl2 BPSK	270	0	17.07					
100	QPSK	1	1	17.13					
100	QPSK	1	137	17.05				18.2	0.0
100	QPSK	1	271	17.01					
100	QPSK	135	0	17.00					
100	QPSK	135	69	17.06				18.2	0.0
100	QPSK	135	138	17.02					
100	QPSK	270	0	17.02					
100	16QAM	1	1	17.04				18.2	0.0
100	64QAM	1	1	17.04				18.2	0.0
100	256QAM	1	1	17.07				18.2	0.0
Channel				633000		633332		633666	
Frequency (MHz)						3499.98		3504.99	
90	QPSK	1	1	17.00	16.91	16.97	18.2	0.0	
Channel				632668		633332		634000	
Frequency (MHz)						3490.02		3499.98	
80	QPSK	1	1	16.96	16.95	17.00	18.2	0.0	
Channel				632334		633332		634334	
Frequency (MHz)						3489.98		3514.98	
70	QPSK	1	1	16.94	17.01	17.08	18.2	0.0	
Channel				632000		633332		634666	
Frequency (MHz)						3489.98		3519.98	
60	QPSK	1	1	16.98	16.95	17.04	18.2	0.0	
Channel				631668		633332		635000	
Frequency (MHz)						3475.02		3499.98	
50	QPSK	1	1	16.97	17.02	17.00	18.2	0.0	
Channel				631334		633332		635332	
Frequency (MHz)						3470.01		3499.98	
40	QPSK	1	1	17.06	16.93	17.05	18.2	0.0	
Channel				631000		633332		635666	
Frequency (MHz)						3465		3499.98	
30	QPSK	1	1	16.93	17.00	16.97	18.2	0.0	
Channel				630668		633332		636000	
Frequency (MHz)						3460.02		3499.98	
20	QPSK	1	1	16.92	16.98	17.09	18.2	0.0	

Part270_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	17.40			18.2	0.0	
100	Pl2 BPSK	1	137	17.51					
100	Pl2 BPSK	1	271	17.51					
100	Pl2 BPSK	135	0	17.48			18.2	0.0	
100	Pl2 BPSK	135	69	17.53			18.2	0.0	
100	Pl2 BPSK	135	138	17.46					
100	Pl2 BPSK	270	0	17.47			18.2	0.0	
100	QPSK	1	1	17.55					
100	QPSK	1	137	17.41			18.2	0.0	
100	QPSK	1	271	17.45					
100	QPSK	135	0	17.47					
100	QPSK	135	69	17.53			18.2	0.0	
100	QPSK	135	138	17.51					
100	QPSK	270	0	17.49			18.2	0.0	
100	16QAM	1	1	17.50			18.2	0.0	
100	64QAM	1	1	17.47			18.2	0.0	
100	256QAM	1	1	17.48			18.2	0.0	
Channel									
Frequency (MHz)									
649668									
3750									
80	QPSK	1	1	17.49	17.49	17.48		18.2	0.0
Channel									
Frequency (MHz)									
648334									
3750									
80	QPSK	1	1	17.45	17.48	17.44		18.2	0.0
Channel									
Frequency (MHz)									
3735									
70	QPSK	1	1	17.41	17.44	17.43		18.2	0.0
Channel									
Frequency (MHz)									
648668									
3750									
80	QPSK	1	1	17.54	17.41	17.51		18.2	0.0
Channel									
Frequency (MHz)									
648334									
3750									
50	QPSK	1	1	17.45	17.47	17.51		18.2	0.0
Channel									
Frequency (MHz)									
648000									
3750									
40	QPSK	1	1	17.40	17.50	17.45		18.2	0.0
Channel									
Frequency (MHz)									
647334									
3750									
30	QPSK	1	1	17.51	17.54	17.47		18.2	0.0
Channel									
Frequency (MHz)									
647334									
3750									
20	QPSK	1	1	17.51	17.45	17.53		18.2	0.0

Part27Q_n78(HPUE)_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3499.98									
100	Pl2 BPSK	1	1	17.06	633332	633332			
100	Pl2 BPSK	1	137	17.11			18.2	0.0	
100	Pl2 BPSK	1	271	17.07					
100	Pl2 BPSK	135	0	17.03			18.2	0.0	
100	Pl2 BPSK	135	69	17.06			18.2	0.0	
100	Pl2 BPSK	135	138	17.12					
100	Pl2 BPSK	270	0	17.07			18.2	0.0	
100	QPSK	1	1	17.13					
100	QPSK	1	137	17.05			18.2	0.0	
100	QPSK	1	271	17.01					
100	QPSK	135	0	17.00					
100	QPSK	135	69	17.06			18.2	0.0	
100	QPSK	135	138	17.02					
100	QPSK	270	0	17.02			18.2	0.0	
100	16QAM	1	1	17.12			18.2	0.0	
100	64QAM	1	1	17.04			18.2	0.0	
100	256QAM	1	1	17.07			18.2	0.0	
Channel									
Frequency (MHz)									
633000									
3499.98									
80	QPSK	1	1	17.00	633332	633332	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.00	16.91	16.97	18.2	0.0	
Channel									
Frequency (MHz)									
632668									
3499.98									
80	QPSK	1	1	16.96	16.95	17.00	18.2	0.0	
Channel									
Frequency (MHz)									
63485.01									
3499.98									
70	QPSK	1	1	16.94	17.01	17.08	18.2	0.0	
Channel									
Frequency (MHz)									
632000									
3499.98									
60	QPSK	1	1	16.98	16.95	17.04	18.2	0.0	
Channel									
Frequency (MHz)									
631668									
3499.98									
50	QPSK	1	1	16.97	17.02	17.00	18.2	0.0	
Channel									
Frequency (MHz)									
631334									
3499.98									
40	QPSK	1	1	17.06	16.93	17.05	18.2	0.0	
Channel									
Frequency (MHz)									
631000									
3499.98									
30	QPSK	1	1	16.93	17.00	16.97	18.2	0.0	
Channel									
Frequency (MHz)									
630668									
3499.98									
20	QPSK	1	1	16.92	16.98	17.05	18.2	0.0	

Part270_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)									
650000									
100	Pl2 BPSK	1	1	17.40				18.2	0.0
100	Pl2 BPSK	1	137	17.51					
100	Pl2 BPSK	1	271	17.51					
100	Pl2 BPSK	135	0	17.48				18.2	0.0
100	Pl2 BPSK	135	69	17.53				18.2	0.0
100	Pl2 BPSK	135	138	17.46					
100	Pl2 BPSK	270	0	17.47				18.2	0.0
100	QPSK	1	1	17.55					
100	QPSK	1	137	17.41				18.2	0.0
100	QPSK	1	271	17.45					
100	QPSK	135	0	17.47					
100	QPSK	135	69	17.53				18.2	0.0
100	QPSK	135	138	17.51					
100	QPSK	270	0	17.49				18.2	0.0
100	16QAM	1	1	17.50				18.2	0.0
100	16QAM	1	1	17.47				18.2	0.0
100	256QAM	1	1	17.49				18.2	0.0
Channel									
Frequency (MHz)				3750.00	650000	650032	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	17.43	17.48	17.40	18.2	0.0	
Channel									
Frequency (MHz)				646334	650000	650066	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.45	17.50	17.59	18.2	0.0	
Channel									
Frequency (MHz)				3740.01	3750	3760	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.45	17.48	17.44	18.2	0.0	
Channel									
Frequency (MHz)				646000	650000	650100	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.49	17.44	17.43	18.2	0.0	
Channel									
Frequency (MHz)				646334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.54	17.51	17.51	18.2	0.0	
Channel									
Frequency (MHz)				3720.00	3750	3780	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.45	17.47	17.51	18.2	0.0	
Channel									
Frequency (MHz)				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	17.40	17.50	17.45	18.2	0.0	
Channel									
Frequency (MHz)				3751.00	3750	3764.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.51	17.54	17.47	18.2	0.0	
Channel									
Frequency (MHz)				646334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	17.51	17.49	17.53	18.2	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			
Frequency (MHz)									
100	Pl2 BPSK	1	1	16.87			18.7	0.0	
100	Pl2 BPSK	1	137	16.92					
100	Pl2 BPSK	1	271	16.95					
100	Pl2 BPSK	135	0	16.95			18.7	0.0	
100	Pl2 BPSK	135	69	16.94			18.7	0.0	
100	Pl2 BPSK	135	138	16.96			18.7	0.0	
100	Pl2 BPSK	270	0	16.86					
100	QPSK	1	1	17.00					
100	QPSK	1	137	16.87			18.7	0.0	
100	QPSK	1	271	16.88					
100	QPSK	135	0	16.89					
100	QPSK	135	69	16.98			18.7	0.0	
100	QPSK	135	138	16.96					
100	QPSK	270	0	16.95					
100	16QAM	1	1	16.97			18.7	0.0	
100	64QAM	1	1	16.95			18.7	0.0	
100	256QAM	1	1	16.93			18.7	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	16.89	16.97	16.93	18.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)	(dB)	
80	QPSK	1	1	16.93	16.98	16.89	18.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	16.93	16.89	16.96	18.7	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	16.87	16.99	16.99	18.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	16.87	16.94	16.95	18.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	16.90	16.97	16.87	18.7	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	16.88	16.99	16.94	18.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.95	16.95	16.95	18.7	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				649000		3750			
Frequency (MHz)									
100	Pl2 BPSK	1	1	17.21			18.7	0.0	
100	Pl2 BPSK	1	137	17.19					
100	Pl2 BPSK	1	271	17.24					
100	Pl2 BPSK	135	0	17.27			18.7	0.0	
100	Pl2 BPSK	135	69	17.23			18.7	0.0	
100	Pl2 BPSK	135	138	17.31			18.7	0.0	
100	Pl2 BPSK	270	0	17.20					
100	QPSK	1	1	17.33					
100	QPSK	1	137	17.22			18.7	0.0	
100	QPSK	1	271	17.29					
100	QPSK	135	0	17.29					
100	QPSK	135	69	17.31			18.7	0.0	
100	QPSK	135	138	17.25					
100	QPSK	270	0	17.27					
100	16QAM	1	1	17.26			18.7	0.0	
100	64QAM	1	1	17.27			18.7	0.0	
100	256QAM	1	1	17.30			18.7	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3757.98	(dBm)	(dB)	
90	QPSK	1	1	17.28	17.23	17.21	18.7	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1	17.22	17.31	17.20	18.7	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	17.30	17.25	17.18	18.7	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
60	QPSK	1	1	17.21	17.21	17.29	18.7	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
50	QPSK	1	1	17.30	17.19	17.26	18.7	0.0	
Channel				647668	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
40	QPSK	1	1	17.30	17.28	17.28	18.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
30	QPSK	1	1	17.15	17.32	17.18	18.7	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	16.87			18.7	0.0	
100	Pl2 BPSK	1	137	16.92					
100	Pl2 BPSK	1	271	16.95					
100	Pl2 BPSK	135	0	16.95			18.7	0.0	
100	Pl2 BPSK	135	69	16.94			18.7	0.0	
100	Pl2 BPSK	135	138	16.96			18.7	0.0	
100	Pl2 BPSK	270	0	16.88					
100	QPSK	1	1	17.00					
100	QPSK	1	137	16.87			18.7	0.0	
100	QPSK	1	271	16.88					
100	QPSK	135	0	16.89					
100	QPSK	135	69	16.98			18.7	0.0	
100	QPSK	135	138	16.96					
100	QPSK	270	0	16.95					
100	16QAM	1	1	16.97			18.7	0.0	
100	64QAM	1	1	16.95			18.7	0.0	
100	256QAM	1	1	16.93			18.7	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	16.89	16.97	16.93	18.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3499.98	3503.98	(dBm)	(dB)	
80	QPSK	1	1	16.93	16.98	16.89	18.7	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	16.93	16.89	16.96	18.7	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	16.87	16.99	16.99	18.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	16.87	16.94	16.95	18.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	16.90	16.97	16.87	18.7	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	16.88	16.99	16.94	18.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.00	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.86	16.85	16.96	18.7	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power High Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	17.21				18.7	0.0
100	Pl2 BPSK	1	137	17.19					
100	Pl2 BPSK	1	271	17.24					
100	Pl2 BPSK	135	0	17.27				18.7	0.0
100	Pl2 BPSK	135	69	17.23				18.7	0.0
100	Pl2 BPSK	135	138	17.31				18.7	0.0
100	Pl2 BPSK	270	0	17.20					
100	QPSK	1	1	17.33					
100	QPSK	1	137	17.22				18.7	0.0
100	QPSK	1	271	17.29					
100	QPSK	135	0	17.29				18.7	0.0
100	QPSK	135	69	17.31					
100	QPSK	135	138	17.25					
100	QPSK	270	0	17.27				18.7	0.0
100	16QAM	1	1	17.20				18.7	0.0
100	64QAM	1	1	17.27				18.7	0.0
100	256QAM	1	1	17.30				18.7	0.0
Channel									
Frequency (MHz)									
649668 650000 650332 Tune-up limit MPR									
3742.02 3750 3754.98 (dBm) (dB)									
80	QPSK	1	1	17.23	17.23	17.21		18.7	0.0
Channel									
Frequency (MHz)									
648334 650000 650668 Tune-up limit MPR									
3740.01 3750 3759.99 (dBm) (dB)									
80	QPSK	1	1	17.22	17.31	17.20		18.7	0.0
Channel									
Frequency (MHz)									
648000 650000 651000 Tune-up limit MPR									
3735 3750 3765 (dBm) (dB)									
70	QPSK	1	1	17.30	17.25	17.18		18.7	0.0
Channel									
Frequency (MHz)									
648668 650000 651332 Tune-up limit MPR									
3725.01 3750 3774.98 (dBm) (dB)									
50	QPSK	1	1	17.19	17.25	17.28		18.7	0.0
Channel									
Frequency (MHz)									
648334 650000 651668 Tune-up limit MPR									
3725.01 3750 3774.99 (dBm) (dB)									
50	QPSK	1	1	17.21	17.21	17.29		18.7	0.0
Channel									
Frequency (MHz)									
648000 650000 652000 Tune-up limit MPR									
3720 3750 3780 (dBm) (dB)									
40	QPSK	1	1	17.30	17.19	17.28		18.7	0.0
Channel									
Frequency (MHz)									
647668 650000 652332 Tune-up limit MPR									
3715.02 3750 3784.98 (dBm) (dB)									
30	QPSK	1	1	17.30	17.28	17.28		18.7	0.0
Channel									
Frequency (MHz)									
647334 650000 652668 Tune-up limit MPR									
3710.01 3750 3789.99 (dBm) (dB)									
20	QPSK	1	1	17.15	17.32	17.18		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									
Frequency (MHz)									
100	Pl2 BPSK	1	1	18.85	633332				
100	Pl2 BPSK	1	137	18.96					
100	Pl2 BPSK	1	271	18.98			19.7	0.0	
100	Pl2 BPSK	135	0	18.92				19.7	0.0
100	Pl2 BPSK	135	69	18.98				19.7	0.0
100	Pl2 BPSK	135	138	18.97				19.7	0.0
100	Pl2 BPSK	270	0	18.89					
100	QPSK	1	1	19.00					
100	QPSK	1	137	18.89			19.7	0.0	
100	QPSK	1	271	18.98					
100	QPSK	135	0	18.91				19.7	0.0
100	QPSK	135	69	18.96					
100	QPSK	135	138	18.94					
100	QPSK	270	0	18.92			19.7	0.0	
100	16QAM	1	1	18.97			19.7	0.0	
100	64QAM	1	1	18.85			19.7	0.0	
100	256QAM	1	1	18.95			19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000 3495	633332 3499.98	633668 3504.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668 3490.02	633332 3499.98	634000 3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.96	18.88	18.94	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632334 3485.01	633332 3499.98	634332 3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	18.96	18.88	18.85	19.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000 3480	633332 3499.98	634668 3518.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	18.88	18.92	18.85	19.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668 3475.02	633332 3499.98	635000 3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	18.89	18.98	18.90	19.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334 3470.01	633332 3499.98	635332 3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	18.97	18.95	18.94	19.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000 3465	633332 3499.98	635668 3534.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.91	18.95	18.97	19.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668 3460.02	633332 3499.98	636000 3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.98	18.93	18.90	19.7	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 (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	19.16					
100	Pl2 BPSK	1	137	19.17			19.7	0.0	
100	Pl2 BPSK	1	271	19.23					
100	Pl2 BPSK	135	0	19.21			19.7	0.0	
100	Pl2 BPSK	135	69	19.10			19.7	0.0	
100	Pl2 BPSK	135	138	19.21			19.7	0.0	
100	Pl2 BPSK	270	0	19.22					
100	QPSK	1	1	19.25					
100	QPSK	1	137	19.12			19.7	0.0	
100	QPSK	1	271	19.20					
100	QPSK	135	0	19.20					
100	QPSK	135	69	19.23					
100	QPSK	135	138	19.21			19.7	0.0	
100	QPSK	270	0	19.17			19.7	0.0	
100	IQAM	1	1	19.15			19.7	0.0	
100	IQAM	1	1	19.24			19.7	0.0	
100	ZSSOQAM	1	1	19.15			19.7	0.0	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3745.02	3750	3754.98	19.7	0.0	
Channel									
Frequency (MHz)				645334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3750	3769.99	19.7	0.0	
Channel									
Frequency (MHz)				19.05	19.07	19.15	19.7	0.0	
70	QPSK	1	1	650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3736.05	3750	3765	19.7	0.0	
70	QPSK	1	1	19.04	19.09	19.09	19.7	0.0	
Channel									
Frequency (MHz)				646666	650000	653332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3740.01	3750	3769.99	19.7	0.0	
60	QPSK	1	1	19.04	19.05	19.15	19.7	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3725.01	3750	3774.99	19.7	0.0	
Channel									
Frequency (MHz)				19.04	19.05	19.09	19.7	0.0	
40	QPSK	1	1	3720	3750	3780	19.7	0.0	
Channel									
Frequency (MHz)				19.10	19.11	19.14	19.7	0.0	
30	QPSK	1	1	650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.06	19.07	19.09	19.7	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3740.01	3750	3769.99	19.7	0.0	
20	QPSK	1	1	19.04	19.10	19.17	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	18.85			19.7	0.0	
100	Pl2 BPSK	1	137	18.96					
100	Pl2 BPSK	1	271	18.98			19.7	0.0	
100	Pl2 BPSK	135	0	18.92					
100	Pl2 BPSK	135	69	18.98			19.7	0.0	
100	Pl2 BPSK	135	138	18.97			19.7	0.0	
100	Pl2 BPSK	270	0	18.89					
100	QPSK	1	1	19.00			19.7	0.0	
100	QPSK	1	137	18.89					
100	QPSK	1	271	18.88			19.7	0.0	
100	QPSK	135	0	18.91					
100	QPSK	135	69	18.98			19.7	0.0	
100	QPSK	135	138	18.94					
100	QPSK	270	0	18.92			19.7	0.0	
100	16QAM	1	1	18.97			19.7	0.0	
100	64QAM	1	1	18.95			19.7	0.0	
100	256QAM	1	1	18.95			19.7	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	18.97	18.95	18.92	19.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.98	18.88	18.94	19.7	0.0	
Channel				632334	633332	634366	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	18.96	18.88	18.85	19.7	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	18.98	18.92	18.85	19.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	18.99	18.98	18.90	19.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.97	18.95	18.94	19.7	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	18.91	18.95	18.97	19.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	18.98	18.93	18.90	19.7	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	19.7	0.0	
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	19.16			19.7	0.0	
100	Pl2 BPSK	1	137	19.17					
100	Pl2 BPSK	1	271	19.23			19.7	0.0	
100	Pl2 BPSK	135	0	19.21					
100	Pl2 BPSK	135	69	19.10			19.7	0.0	
100	Pl2 BPSK	135	138	19.21			19.7	0.0	
100	Pl2 BPSK	270	0	19.22					
100	QPSK	1	1	19.25			19.7	0.0	
100	QPSK	1	137	19.12					
100	QPSK	1	271	19.20			19.7	0.0	
100	QPSK	135	0	19.20					
100	QPSK	135	69	19.23			19.7	0.0	
100	QPSK	135	138	19.21					
100	QPSK	270	0	19.17			19.7	0.0	
100	16QAM	1	1	19.15			19.7	0.0	
100	64QAM	1	1	19.24			19.7	0.0	
100	256QAM	1	1	19.15			19.7	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	19.09	19.15	19.07	19.7	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3758.98	(dBm)	(dB)	
80	QPSK	1	1	19.06	19.07	19.15	19.7	0.0	
Channel				649000	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	19.04	19.09	19.09	19.7	0.0	
Channel				648668	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
60	QPSK	1	1	19.04	19.05	19.15	19.7	0.0	
Channel				648334	650000	651998	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
50	QPSK	1	1	19.10	19.11	19.14	19.7	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
40	QPSK	1	1	19.06	19.07	19.05	19.7	0.0	
Channel				647634	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
30	QPSK	1	1	19.04	19.10	19.17	19.7	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	16.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	15.05			16.7	0.0	
100	Pl2 BPSK	1	137	15.08					
100	Pl2 BPSK	1	271	15.05			16.7	0.0	
100	Pl2 BPSK	135	0	15.15					
100	Pl2 BPSK	135	69	15.15			16.7	0.0	
100	Pl2 BPSK	135	138	15.15			16.7	0.0	
100	Pl2 BPSK	270	0	15.15					
100	QPSK	1	1	15.18			16.7	0.0	
100	QPSK	1	137	15.09					
100	QPSK	1	271	15.05			16.7	0.0	
100	QPSK	135	0	15.12					
100	QPSK	135	69	15.15			16.7	0.0	
100	QPSK	135	138	15.05					
100	QPSK	270	0	15.11			16.7	0.0	
100	16QAM	1	1	15.03			16.7	0.0	
100	64QAM	1	1	15.17			16.7	0.0	
100	256QAM	1	1	15.08			16.7	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	14.97	15.15	15.04	16.7	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	14.92	15.11	15.02	16.7	0.0	
Channel				632334	633332	634366	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	15.02	15.07	15.07	16.7	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	14.94	15.14	15.07	16.7	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	15.01	15.11	15.15	16.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	14.95	15.08	15.05	16.7	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	14.93	15.12	15.09	16.7	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	15.00	15.08	15.14	16.7	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			
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.91	22.92	22.91	24.2	0.0	
20	Pl2 BPSK	1	53	22.96	22.93	22.84			
20	Pl2 BPSK	1	104	22.78	22.89	22.83			
20	Pl2 BPSK	50	0	22.31	22.42	22.32	23.7	0.5	
20	Pl2 BPSK	50	28	22.86	22.92	22.87	24.2	0.0	
20	Pl2 BPSK	50	56	22.36	22.38	22.35			
20	Pl2 BPSK	100	0	22.38	22.43	22.32	23.7	0.5	
20	QPSK	1	1	22.87	22.96	22.93			
20	QPSK	1	53	22.77	22.87	22.83	24.2	0.0	
20	QPSK	1	104	22.75	22.86	22.72			
20	QPSK	50	0	22.28	22.40	22.28	23.7	0.5	
20	QPSK	50	28	22.83	22.89	22.85	24.2	0.0	
20	QPSK	50	56	22.33	22.36	22.30			
20	QPSK	100	0	22.34	22.37	22.27	23.7	0.5	
20	16QAM	1	1	22.17	22.18	22.09	23.2	1.0	
20	64QAM	1	1	21.72	21.78	21.67	22.7	1.5	
20	256QAM	1	1	21.24	21.32	21.30	22.2	2.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	22.83	22.89	22.90	24.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	22.81	22.84	22.85	24.2	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	22.74	22.87	22.83	24.2	0.0	

Reduced Power Mode for ECI 10									
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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			
Frequency (MHz)									
20	Pl2 BPSK	1	1	15.69	15.67	15.56			
20	Pl2 BPSK	1	53	15.59	15.61	15.63	16.8	0.0	
20	Pl2 BPSK	1	104	15.55	15.59	15.57			
20	Pl2 BPSK	50	0	15.58	15.58	15.54	16.6	0.0	
20	Pl2 BPSK	50	28	15.57	15.63	15.61	16.8	0.0	
20	Pl2 BPSK	50	56	15.58	15.69	15.57			
20	Pl2 BPSK	100	0	15.69	15.57	15.57	16.8	0.0	
20	QPSK	1	1	15.70	15.72	15.65			
20	QPSK	1	53	15.65	15.61	15.51	16.8	0.0	
20	QPSK	1	104	15.67	15.60	15.50			
20	QPSK	50	0	15.65	15.64	15.52	16.8	0.0	
20	QPSK	50	28	15.63	15.70	15.62	16.6	0.0	
20	QPSK	50	56	15.63	15.69	15.50			
20	QPSK	100	0	15.66	15.68	15.58	16.8	0.0	
20	16QAM	1	1	15.58	15.69	15.57	16.8	0.0	
20	64QAM	1	1	15.65	15.60	15.62	16.8	0.0	
20	256QAM	1	1	15.68	15.71	15.52	16.8	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	15.65	15.66	15.57	16.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	15.63	15.65	15.56	16.8	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	15.61	15.60	15.56	16.8	0.0	

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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	24.32	24.40	24.25			
20	Pl2 BPSK	1	53	24.31	24.41	24.33	25.7	0.0	
20	Pl2 BPSK	1	104	24.29	24.39	24.36			
20	Pl2 BPSK	50	0	23.95	24.02	23.99	25.2	0.5	
20	Pl2 BPSK	50	28	24.40	24.45	24.48	25.7	0.0	
20	Pl2 BPSK	50	56	23.87	23.95	23.82			
20	Pl2 BPSK	100	0	23.90	24.03	23.90	25.2	0.5	
20	QPSK	1	1	24.44	24.50	24.46			
20	QPSK	1	53	24.32	24.38	24.33	25.7	0.0	
20	QPSK	1	104	24.31	24.33	24.32			
20	QPSK	50	0	23.88	23.98	23.86	25.2	0.5	
20	QPSK	50	28	24.47	24.48	24.35	25.7	0.0	
20	QPSK	50	56	23.87	23.95	23.86			
20	QPSK	100	0	23.81	23.89	23.84	25.2	0.5	
20	16QAM	1	1	23.52	23.62	23.50	24.7	1.0	
20	64QAM	1	1	23.17	23.18	23.05	24.2	1.5	
20	256QAM	1	1	22.66	22.77	22.66	23.7	2.0	
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.31	24.36	24.43	25.7	0.0	
Channel				166800	167500	168600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	841.5	844			
10	QPSK	1	1	24.41	24.42	24.32	25.7	0.0	
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	24.31	24.48	24.45	25.7	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)											
20	PQ2 BPSK	1	1	18.96	19.05	18.85	20.3	0.0			
20	PQ2 BPSK	1	53	18.96	19.05	18.93					
20	PQ2 BPSK	1	104	18.94	19.01	18.90					
20	PQ2 BPSK	50	0	18.87	18.99	18.93	20.3	0.0			
20	PQ2 BPSK	50	28	18.01	18.08	18.90	20.3	0.0			
20	PQ2 BPSK	50	56	18.97	18.97	18.97	20.3	0.0			
20	PQ2 BPSK	100	0	18.93	19.09	18.90					
20	QPSK	1	1	19.02	19.10	19.00					
20	QPSK	1	53	18.87	19.03	18.89	20.3	0.0			
20	QPSK	1	104	18.96	19.07	18.88	20.3	0.0			
20	QPSK	50	0	19.00	19.00	18.88					
20	QPSK	50	28	19.01	19.06	18.95					
20	QPSK	50	56	18.90	19.02	18.87	20.3	0.0			
20	QPSK	100	0	19.00	19.03	18.93	20.3	0.0			
20	16QAM	1	1	19.01	19.08	18.94					
20	64QAM	1	1	18.90	19.08	18.91					
20	256QAM	1	1	18.90	18.99	18.90	20.3	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	18.90	19.07	18.85	20.3	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	18.93	19.04	18.98	20.3	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	18.87	18.97	18.93	20.3	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											
Frequency (MHz)											
40	PQ2 BPSK	1	1	24.04	24.15	24.00	25.4	0.0			
40	PQ2 BPSK	1	108	24.04	24.13	24.09					
40	PQ2 BPSK	1	214	24.10	24.20	24.14					
40	PQ2 BPSK	108	0	23.60	23.70	23.67	24.9	0.5			
40	PQ2 BPSK	108	54	24.03	24.08	23.96	25.4	0.0			
40	PQ2 BPSK	108	108	23.59	23.71	23.69	24.9	0.5			
40	PQ2 BPSK	216	0	23.54	23.61	23.58					
40	QPSK	1	1	24.10	24.22	24.16					
40	QPSK	1	108	24.05	24.14	23.99	25.4	0.0			
40	QPSK	1	214	24.18	24.20	24.15	24.9	0.5			
40	QPSK	108	0	23.49	23.56	23.53					
40	QPSK	108	54	23.95	24.10	23.97					
40	QPSK	108	108	23.58	23.59	23.48	24.9	0.5			
40	QPSK	216	0	23.49	23.53	23.46	24.4	1.0			
40	16QAM	1	1	23.24	23.28	23.20					
40	64QAM	1	1	22.89	22.90	22.83					
40	256QAM	1	1	22.26	22.39	22.29	23.4	2.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	24.17	24.18	24.05	25.4	0.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	24.17	24.07	24.11	25.4	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	24.06	24.09	24.03	25.4	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	24.05	24.08	24.07	25.4	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	24.17	24.20	24.14	25.4	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	24.17	24.19	24.14	25.4	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									
Frequency (MHz)									
40	PQ2 BPSK	1	1	14.65	14.74	14.69	15.9	0.0	
40	PQ2 BPSK	1	108	14.61	14.78	14.64			
40	PQ2 BPSK	1	214	14.74	14.77	14.65			
40	PQ2 BPSK	108	0	14.71	14.69	14.62	15.9	0.0	
40	PQ2 BPSK	108	54	14.74	14.68	14.68	15.9	0.0	
40	PQ2 BPSK	108	108	14.64	14.77	14.75	15.9	0.0	
40	PQ2 BPSK	216	0	14.67	14.71	14.68			
40	QPSK	1	1	14.75	14.83	14.77			
40	QPSK	1	108	14.69	14.81	14.65	15.9	0.0	
40	QPSK	1	214	14.61	14.69	14.69	15.9	0.0	
40	QPSK	108	0	14.68	14.81	14.69			
40	QPSK	108	54	14.75	14.82	14.70			
40	QPSK	108	108	14.65	14.74	14.63	15.9	0.0	
40	QPSK	216	0	14.70	14.73	14.67	15.9	0.0	
40	16QAM	1	1	14.70	14.79	14.66			
40	64QAM	1	1	14.63	14.73	14.63			
40	256QAM	1	1	14.67	14.75	14.76	15.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.68	14.70	14.69	15.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.67	14.77	14.62	15.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.69	14.73	14.71	15.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.74	14.76	14.72	15.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.71	14.81	14.62	15.9	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	14.67	14.72	14.72	15.9	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	15.32	15.46	15.43			
40	Pl2 BPSK	1	108	15.30	15.40	15.37	16.3		
40	Pl2 BPSK	1	214	15.42	15.36	15.41			
40	Pl2 BPSK	108	0	15.36	15.46	15.42	16.3	0.0	
40	Pl2 BPSK	108	54	15.29	15.48	15.42	16.3	0.0	
40	Pl2 BPSK	108	108	15.34	15.38	15.33			
40	Pl2 BPSK	216	0	15.34	15.48	15.31	16.3	0.0	
40	QPSK	1	1	15.63	15.50	15.46			
40	QPSK	1	108	15.28	15.47	15.36	16.3	0.0	
40	QPSK	1	214	15.42	15.49	15.33			
40	QPSK	108	0	15.29	15.41	15.44	16.3	0.0	
40	QPSK	108	54	15.42	15.47	15.45	16.3	0.0	
40	QPSK	108	108	15.31	15.44	15.41			
40	QPSK	216	0	15.36	15.43	15.37	16.3	0.0	
40	16QAM	1	1	15.31	15.40	15.36	16.3	0.0	
40	64QAM	1	1	15.28	15.44	15.36	16.3	0.0	
40	256QAM	1	1	15.29	15.46	15.33	16.3	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2515	2535	2555			
30	QPSK	1	1	15.34	15.48	15.32	16.3	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	2512.5	2535	2537.5			
25	QPSK	1	1	15.34	15.35	15.35	16.3	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.38	15.41	15.32	16.3	0.0	
Channel				512100	512100	512100	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2507.5	2535	2502.5			
15	QPSK	1	1	15.38	15.39	15.36	16.3	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2506	2535	2505			
10	QPSK	1	1	15.32	15.46	15.36	16.3	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	2502.5	2535	2507.5			
5	QPSK	1	1	15.30	15.44	15.31	16.3	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	14.50	14.62	14.59			
40	Pl2 BPSK	1	108	14.53	14.62	14.57	15.9		
40	Pl2 BPSK	1	214	14.56	14.56	14.57			
40	Pl2 BPSK	108	0	14.49	14.57	14.60	15.9	0.0	
40	Pl2 BPSK	108	54	14.48	14.60	14.50	15.9	0.0	
40	Pl2 BPSK	108	108	14.55	14.64	14.56			
40	Pl2 BPSK	216	0	14.57	14.64	14.57	15.9	0.0	
40	QPSK	1	1	14.53	14.66	14.63			
40	QPSK	1	108	14.49	14.58	14.59	15.9	0.0	
40	QPSK	1	214	14.46	14.62	14.60			
40	QPSK	108	0	14.43	14.53	14.56	15.9	0.0	
40	QPSK	108	54	14.55	14.63	14.60	15.9	0.0	
40	QPSK	108	108	14.52	14.60	14.57			
40	QPSK	216	0	14.52	14.60	14.57	15.9	0.0	
40	16QAM	1	1	14.55	14.52	14.57	15.9	0.0	
40	64QAM	1	1	14.56	14.57	14.58	15.9	0.0	
40	256QAM	1	1	14.47	14.63	14.50	15.9	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2515	2535	2555			
30	QPSK	1	1	14.43	14.64	14.50	15.9	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	2512.5	2535	2537.5			
25	QPSK	1	1	14.50	14.55	14.52	15.9	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	14.56	14.57	14.51	15.9	0.0	
Channel				512100	512100	512100	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2507.5	2535	2502.5			
15	QPSK	1	1	14.48	14.51	14.51	15.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2506	2535	2505			
10	QPSK	1	1	14.54	14.65	14.51	15.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	2502.5	2535	2507.5			
5	QPSK	1	1	14.54	14.57	14.56	15.9	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			
15	Pl2 BPSK	1	1	22.46	22.58	22.45			
15	Pl2 BPSK	1	40	22.60	22.66	22.56	24.2		
15	Pl2 BPSK	1	77	22.62	22.69	22.59			
15	Pl2 BPSK	36	0	22.15	22.26	22.25	23.7	0.5	
15	Pl2 BPSK	36	22	22.64	22.74	22.71	24.2	0.0	
15	Pl2 BPSK	36	43	22.19	22.25	22.16	23.7	0.5	
15	Pl2 BPSK	75	0	22.20	22.26	22.19			
15	QPSK	1	1	22.58	22.77	22.75			
15	QPSK	1	40	22.62	22.66	22.62	24.2	0.0	
15	QPSK	1	77	22.60	22.69	22.57			
15	QPSK	36	0	22.19	22.27	22.18	23.7	0.5	
15	QPSK	36	22	22.74	22.75	22.72	24.2	0.0	
15	QPSK	36	43	22.22	22.25	22.23	23.7	0.5	
15	QPSK	75	0	22.20	22.26	22.16			
15	16QAM	1	1	21.84	21.90	21.84	23.2	1.0	
15	64QAM	1	1	21.35	21.45	21.35	22.7	1.5	
15	256QAM	1	1	21.05	21.17	21.11	22.2	2.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	704	707.5	711			
10	QPSK	1	1	22.55	22.62	22.73	24.2	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	701.5	707.5	713.5			
5	QPSK	1	1	22.53	22.67	22.62	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			
Frequency (MHz)				17.01	17.06	17.00			
15	Pl2 BPSK	1	1	17.01	17.06	17.00	18.8	0.0	
15	Pl2 BPSK	1	40	17.04	17.00	17.07			
15	Pl2 BPSK	1	77	17.04	16.98	17.06			
15	Pl2 BPSK	36	0	17.01	17.09	17.00	18.8	0.0	
15	Pl2 BPSK	36	22	17.04	16.99	17.02	18.8	0.0	
15	Pl2 BPSK	36	43	16.91	16.97	16.97	18.8	0.0	
15	Pl2 BPSK	75	0	16.96	17.07	17.06			
15	QPSK	1	1	17.05	17.12	17.08			
15	QPSK	1	40	17.01	17.11	17.04	18.8	0.0	
15	QPSK	1	77	17.04	16.97	16.95			
15	QPSK	36	0	16.94	17.06	17.02	18.8	0.0	
15	QPSK	36	22	17.03	17.08	17.05	18.8	0.0	
15	QPSK	36	43	17.01	17.03	17.00	18.8	0.0	
15	QPSK	75	0	17.00	17.01	16.93			
15	16QAM	1	1	16.97	16.97	17.00	18.8	0.0	
15	64QAM	1	1	16.93	17.05	17.03	18.8	0.0	
15	256QAM	1	1	16.94	17.09	17.07	18.8	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)		
10	QPSK	1	1	17.01	17.01	17.02	18.8	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)		
5	QPSK	1	1	16.97	17.00	16.98	15.8	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	836			
Frequency (MHz)				24.32	24.38	24.27			
20	Pl2 BPSK	1	1	24.32	24.38	24.27	25.7	0.0	
20	Pl2 BPSK	1	53	24.29	24.39	24.24			
20	Pl2 BPSK	1	104	24.39	24.40	24.36			
20	Pl2 BPSK	50	0	23.89	23.97	23.90	25.2	0.5	
20	Pl2 BPSK	50	28	24.34	24.42	24.39	25.7	0.0	
20	Pl2 BPSK	50	56	23.94	24.00	23.93	25.2	0.5	
20	Pl2 BPSK	100	0	23.85	23.97	23.90			
20	QPSK	1	1	24.44	24.51	24.38			
20	QPSK	1	53	24.32	24.35	24.30	25.7	0.0	
20	QPSK	1	104	24.25	24.39	24.37			
20	QPSK	50	0	23.86	23.92	23.85	25.2	0.5	
20	QPSK	50	28	24.43	24.45	24.33	25.7	0.0	
20	QPSK	50	56	23.90	23.96	23.95	25.2	0.5	
20	QPSK	100	0	23.86	23.91	23.80			
20	16QAM	1	1	23.94	23.87	23.80	24.7	1.0	
20	64QAM	1	1	23.14	23.24	23.10	24.2	1.5	
20	256QAM	1	1	22.67	22.82	22.73	23.7	2.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)		
15	QPSK	1	1	24.30	24.43	24.26	25.7	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				810	831.5	844	(dBm)		
10	QPSK	1	1	24.31	24.42	24.30	25.7	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)		
5	QPSK	1	1	24.39	24.30	24.25	25.7	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			
Frequency (MHz)				19.11	19.11	19.05			
20	Pl2 BPSK	1	1	19.11	19.11	19.05	20.3	0.0	
20	Pl2 BPSK	1	53	19.07	19.11	19.05			
20	Pl2 BPSK	1	104	19.08	19.14	19.09			
20	Pl2 BPSK	50	0	19.06	19.17	19.04	20.3	0.0	
20	Pl2 BPSK	50	28	19.05	19.12	18.99	20.3	0.0	
20	Pl2 BPSK	50	56	18.99	19.13	18.95	20.3	0.0	
20	Pl2 BPSK	100	0	19.08	19.13	19.06			
20	QPSK	1	1	19.12	19.19	19.10			
20	QPSK	1	53	19.05	19.06	19.05	20.3	0.0	
20	QPSK	1	104	19.11	19.05	19.02			
20	QPSK	50	0	19.01	19.14	19.07	20.3	0.0	
20	QPSK	50	28	19.03	19.16	19.08	20.3	0.0	
20	QPSK	50	56	18.98	19.05	19.04	20.3	0.0	
20	QPSK	100	0	18.97	19.09	19.04			
20	16QAM	1	1	18.99	19.06	19.02	20.3	0.0	
20	64QAM	1	1	19.01	19.17	19.07	20.3	0.0	
20	256QAM	1	1	19.09	19.16	19.00	20.3	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)		
15	QPSK	1	1	18.99	19.14	18.98	20.3	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				810	831.5	844	(dBm)		
10	QPSK	1	1	18.99	19.09	19.01	20.3	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)		
5	QPSK	1	1	19.06	19.16	19.07	20.3	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									
Frequency (MHz)				1720	1745	1765			
40	PI2 BPSK	1	1	24.10	24.20	24.08	25.4	0.0	
40	PI2 BPSK	1	108	24.13	24.23	24.20			
40	PI2 BPSK	1	214	23.94	24.08	23.99			
40	PI2 BPSK	108	0	23.74	23.80	23.74	24.9	0.5	
40	PI2 BPSK	108	54	24.14	24.22	24.07	25.4	0.0	
40	PI2 BPSK	108	108	23.91	23.75	23.71	24.9	0.5	
40	PI2 BPSK	216	0	23.68	23.76	23.71			
40	QPSK	1	1	24.18	24.26	24.20	25.4	0.0	
40	QPSK	1	108	24.16	24.25	24.15			
40	QPSK	1	214	24.09	24.13	24.07			
40	QPSK	108	0	22.95	22.98	22.93	24.4	1.0	
40	QPSK	108	54	24.05	24.20	24.06	25.4	0.0	
40	QPSK	108	108	22.93	22.91	22.98			
40	QPSK	216	0	22.96	23.00	22.96	24.4	1.0	
40	16QAM	1	1	23.30	23.36	23.28	24.4	1.0	
40	64QAM	1	1	22.82	22.88	22.87	23.9	1.5	
40	256QAM	1	1	22.50	22.51	22.41	23.4	2.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.07	24.12	24.09	25.4	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	24.10	24.23	24.15	25.4	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.08	24.18	24.06	25.4	0.0	
Channel				343000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	24.10	24.20	24.06	25.4	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.09	24.20	24.18	25.4	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									
Frequency (MHz)				1725	1745	1760			
40	PI2 BPSK	1	1	15.44	15.53	15.43			
40	PI2 BPSK	1	108	15.35	15.50	15.39	16.1		0.0
40	PI2 BPSK	1	214	15.43	15.48	15.47			
40	PI2 BPSK	108	0	15.49	15.45	15.45	16.1	0.0	
40	PI2 BPSK	108	54	15.43	15.46	15.52	16.1	0.0	
40	PI2 BPSK	108	108	15.39	15.53	15.46		16.1	0.0
40	PI2 BPSK	216	0	15.45	15.59	15.52			
40	QPSK	1	1	15.50	15.58	15.53			
40	QPSK	1	108	15.35	15.55	15.44	16.1	0.0	
40	QPSK	1	214	15.37	15.48	15.52			
40	QPSK	108	0	15.44	15.50	15.51	16.1	0.0	
40	QPSK	108	54	15.47	15.56	15.52	16.1	0.0	
40	QPSK	108	108	15.38	15.50	15.47		16.1	0.0
40	QPSK	216	0	15.42	15.53	15.44			
40	16QAM	1	1	15.48	15.58	15.52	16.1	0.0	
40	64QAM	1	1	15.47	15.50	15.43	16.1	0.0	
40	256QAM	1	1	15.49	15.50	15.50	16.1	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	15.29	15.50	15.41	16.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	15.35	15.51	15.45	16.1	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.32	15.52	15.45	16.1	0.0	
Channel				343000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.37	15.50	15.34	16.1	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.27	15.45	15.37	16.1	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. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.18	19.26	19.23			
40	PI2 BPSK	1	108	19.16	19.19	19.20	20.3	0.0	
40	PI2 BPSK	1	214	19.16	19.23	19.10			
40	PI2 BPSK	108	0	19.13	19.17	19.16	20.3	0.0	
40	PI2 BPSK	108	54	19.18	19.15	19.12	20.3	0.0	
40	PI2 BPSK	108	108	19.09	19.25	19.11			
40	PI2 BPSK	216	0	19.16	19.21	19.24	20.3	0.0	
40	QPSK	1	1	19.32	19.30	19.25			
40	QPSK	1	108	19.18	19.28	19.15	20.3	0.0	
40	QPSK	1	214	19.21	19.23	19.10			
40	QPSK	108	0	19.14	19.22	19.15	20.3	0.0	
40	QPSK	108	54	19.19	19.28	19.21	20.3	0.0	
40	QPSK	108	108	19.17	19.25	19.20			
40	QPSK	216	0	19.17	19.28	19.18	20.3	0.0	
40	16QAM	1	1	19.21	19.17	19.10	20.3	0.0	
40	64QAM	1	1	19.18	19.19	19.17	20.3	0.0	
40	256QAM	1	1	19.08	19.29	19.23	20.3	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.17	19.21	19.24	20.3	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.19	19.17	19.14	20.3	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.10	19.17	19.10	20.3	0.0	
Channel				343000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.11	19.28	19.24	20.3	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.08	19.27	19.20	20.3	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	16.5	0.0
Frequency (MHz)				14.84	14.90	14.84		
40	PI2 BPSK	1	1	14.76	14.93	14.94		
40	PI2 BPSK	1	214	14.85	14.90	14.87		
40	PI2 BPSK	108	0	14.88	14.98	14.84	16.5	0.0
40	PI2 BPSK	108	54	14.88	14.91	14.91	16.5	0.0
40	PI2 BPSK	108	108	14.89	14.92	14.93	16.5	0.0
40	PI2 BPSK	216	0	14.79	14.91	14.92	16.5	0.0
40	QPSK	1	1	14.90	14.99	14.95	16.5	0.0
40	QPSK	1	108	14.82	14.85	14.83		
40	QPSK	1	214	14.82	14.89	14.86		
40	QPSK	108	0	14.80	14.93	14.86		
40	QPSK	108	54	14.83	14.96	14.92	16.5	0.0
40	QPSK	108	108	14.82	14.90	14.89	16.5	0.0
40	QPSK	216	0	14.89	14.95	14.83	16.5	0.0
40	16QAM	1	1	14.85	14.85	14.86	16.5	0.0
40	64QAM	1	1	14.81	14.94	14.82	16.5	0.0
40	256QAM	1	1	14.83	14.94	14.83	16.5	0.0
Channel				346000	349000	350000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	14.86	14.95	14.80	16.5	0.0
Channel				346000	349000	350000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1760	(dBm)	(dB)
20	QPSK	1	1	14.92	14.92	14.90	16.5	0.0
Channel				343500	349000	350500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	14.77	14.88	14.86	16.5	0.0
Channel				343000	349000	350000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	14.83	14.96	14.83	16.5	0.0
Channel				342500	349000	350500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	14.87	14.85	14.94	16.5	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				518004	518000	518996			
Frequency (MHz)				2590.02	2590	2593.98			
40	Pl2 BPSK	1	1	34.08	24.18	24.04			
40	Pl2 BPSK	1	53	24.00	24.01	23.96	25.4		0.0
40	Pl2 BPSK	1	104	24.09	24.15	24.07			
40	Pl2 BPSK	50	0	23.42	23.56	23.53	24.9		0.5
40	Pl2 BPSK	50	28	24.03	24.05	24.01	25.4		0.0
40	Pl2 BPSK	50	56	23.53	23.63	23.48			
40	Pl2 BPSK	100	0	23.45	23.56	23.44	24.9		0.5
Channel				517002	519000	520998			
Frequency (MHz)				2582.01	2295	2004.99			
30	QPSK	1	1	24.11	24.11	24.08	25.4		0.0
Channel				516000	518000	522000			
Frequency (MHz)				2477.51	2490	2492.49			
20	QPSK	1	1	24.10	24.05	24.04	25.4		0.0
Channel				515002	519000	522998			
Frequency (MHz)				2477.51 <td>2490</td> <td>2492.49</td> <th></th> <th colspan="2"></th>	2490	2492.49			
15	QPSK	1	1	24.13	24.16	24.03	25.4		0.0
Channel				514000	518000	522998			
Frequency (MHz)				2375.02 <td>2295</td> <td>2014.98</td>	2295	2014.98			
10	QPSK	1	1	24.15	24.17	24.04	25.4		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)				2260.02	2295	2299.98			
40	P2 BPSK	1	1	14.72	14.77	14.73			
40	P2 BPSK	1	53	14.58	14.75	14.63	15.8		0.0
40	P2 BPSK	1	104	14.59	14.74	14.72			
40	P2 BPSK	50	0	14.68	14.68	14.66	15.8		0.0
40	P2 BPSK	50	28	14.71	14.80	14.64	15.8		0.0
40	P2 BPSK	50	56	14.67	14.79	14.62			
40	P2 BPSK	100	0	14.71	14.66	14.66	15.8		0.0
40	QPSK	1	1	14.72	14.81	14.77			
40	QPSK	1	53	14.70	14.69	14.62	15.8		0.0
40	QPSK	1	104	14.85	14.70	14.76			
40	QPSK	50	0	14.59	14.76	14.62			
40	QPSK	50	28	14.76	14.75	14.78	15.8		0.0
40	QPSK	50	56	14.67	14.78	14.69			
40	QPSK	100	0	14.85	14.66	14.83	15.8		0.0
40	16QAM	1	1	14.70	14.66	14.74	15.8		0.0
40	64QAM	1	1	14.67	14.76	14.65	15.8		0.0
40	256QAM	1	1	14.60	14.78	14.70	15.8		0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	14.78	0.0
Frequency (MHz)				2262.01	2295	2304.99			
30	QPSK	1	1	14.67	14.77	14.68			
Channel				516000	519000	522000	Tune-up limit (dBm)	14.78	0.0
Frequency (MHz)				2259.99	2295	2309.99			
20	QPSK	1	1	14.60	14.66	14.72	15.8		0.0
Channel				515002	519000	522998	Tune-up limit (dBm)	14.78	0.0
Frequency (MHz)				2277.51	2295	2312.49			
15	QPSK	1	1	14.68	14.73	14.68	15.8		0.0
Channel				514000	519000	522000	Tune-up limit (dBm)	14.78	0.0
Frequency (MHz)				2275.02	2295	2314.98			
10	QPSK	1	1	14.60	14.80	14.66	15.8		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	2590.98
40	Pl2 BPSK	1	1	16.32	16.29	16.26			
40	Pl2 BPSK	1	53	16.37	16.41	16.22	17.3		0.0
40	Pl2 BPSK	1	104	16.25	16.41	16.25			
40	Pl2 BPSK	50	0	16.23	16.42	16.25	17.3		0.0
40	Pl2 BPSK	50	28	16.37	16.30	16.21	17.3		0.0
40	Pl2 BPSK	50	56	16.33	16.38	16.21	17.3		0.0
40	Pl2 BPSK	100	0	16.25	16.40	16.26			
40	QPSK	1	1	16.38	16.43	16.33			
40	QPSK	1	53	16.33	16.30	16.23	17.3		0.0
40	QPSK	1	104	16.28	16.37	16.32			
40	QPSK	50	0	16.27	16.30	16.26			
40	QPSK	50	28	16.35	16.40	16.30	17.3		0.0
40	QPSK	50	56	16.30	16.30	16.20			
40	QPSK	100	0	16.33	16.38	16.31	17.3		0.0
40	16QAM	1	1	16.37	16.29	16.23	17.3		0.0
40	64QAM	1	1	16.26	16.38	16.31	17.3		0.0
40	256QAM	1	1	16.28	16.41	16.23	17.3		0.0
Channel									
Frequency (MHz)				517002	519000	520998			
30	QPSK	1	1	2582.01	2295	2004.99			
Channel									
Frequency (MHz)				518000	519000	522000			
20	QPSK	1	1	16.23	16.31	16.31	17.3		0.0
Channel									
Frequency (MHz)				517002	519000	522998			
15	QPSK	1	1	16.27	16.34	16.33	17.3		0.0
Channel									
Frequency (MHz)				515004	519000	522998			
10	QPSK	1	1	16.29	16.40	16.30	17.3		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									
Frequency (MHz)				2590.02	2595	2599.98			
40	P12 BPSK	1	1	13.65	13.68	13.63			
40	P12 BPSK	1	53	13.58	13.63	13.64	15.1	0.0	
40	P12 BPSK	1	104	13.56	13.70	13.67			
40	P12 BPSK	50	0	13.64	13.76	13.57	15.1	0.0	
40	P12 BPSK	50	28	13.62	13.67	13.60	15.1	0.0	
40	P12 BPSK	50	56	13.67	13.72	13.66	15.1	0.0	
40	P12 BPSK	100	0	13.56	13.65	13.62			
40	QPSK	1	1	13.65	13.77	13.72			
40	QPSK	1	53	13.54	13.68	13.65	15.1	0.0	
40	QPSK	1	104	13.56	13.64	13.69			
40	QPSK	50	0	13.62	13.71	13.60			
40	QPSK	50	28	13.65	13.75	13.65	15.1	0.0	
40	QPSK	50	56	13.55	13.68	13.63			
40	QPSK	100	0	13.57	13.73	13.62	15.1	0.0	
40	16QAM	1	1	13.65	13.68	13.67	15.1	0.0	
40	64QAM	1	1	13.58	13.65	13.59	15.1	0.0	
40	256QAM	1	1	13.57	13.64	13.61	15.1	0.0	
Channel									
Frequency (MHz)				2595.01	2599	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.65	13.63	13.57	15.1	0.0	
Channel									
Frequency (MHz)				151600	151900	152200	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.62	13.74	13.70	15.1	0.0	
Channel									
Frequency (MHz)				151505	151900	152248	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.55	13.75	13.67	15.1	0.0	
Channel									
Frequency (MHz)				2577.51	2599	2612.49	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.63	13.66	13.71	15.1	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	21.94	22.03	21.91			
100	P12 BPSK	1	137	22.00	22.06	22.02	23.2	0.0	
100	P12 BPSK	1	271	21.95	22.05	21.97			
100	P12 BPSK	135	0	21.94	22.01	21.98	23.2	0.0	
100	P12 BPSK	135	69	21.89	22.02	22.00	23.2	0.0	
100	P12 BPSK	135	138	21.92	22.05	21.95	23.2	0.0	
100	P12 BPSK	270	0	21.86	21.98	21.93			
100	QPSK	1	1	21.94	22.10	22.02			
100	QPSK	1	137	21.94	22.06	21.96	23.2	0.0	
100	QPSK	1	271	21.95	22.04	21.90			
100	QPSK	135	0	21.90	22.02	21.95	23.2	0.0	
100	QPSK	135	69	21.85	22.05	22.01			
100	QPSK	135	138	21.92	22.04	21.89			
100	QPSK	270	0	21.92	21.94	21.86	23.2	0.0	
100	16QAM	1	1	21.90	21.98	21.87	23.2	0.0	
100	64QAM	1	1	21.88	21.96	21.87	23.2	0.0	
100	256QAM	1	1	21.93	22.00	21.90	23.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.89	22.01	21.83	23.2	0.0	
80	QPSK	1	1	21.83	21.96	21.89	23.2	0.0	
70	QPSK	1	1	21.90	21.98	21.92	23.2	0.0	
60	QPSK	1	1	21.83	22.07	22.00	23.2	0.0	
50	QPSK	1	1	21.87	21.93	22.00	23.2	0.0	
40	QPSK	1	1	21.89	22.09	22.01	23.2	0.0	
30	QPSK	1	1	21.84	22.04	21.94	23.2	0.0	
20	QPSK	1	1	21.85	22.04	21.87	23.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.89	22.06	21.97	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	P12 BPSK	1	1	25.03	25.02	24.98			
100	P12 BPSK	1	137	24.76	24.83	24.77	26.2	0.0	
100	P12 BPSK	1	271	24.85	25.02	24.96			
100	P12 BPSK	135	0	24.41	24.47	24.33	25.7	0.5	
100	P12 BPSK	135	69	24.87	25.02	24.99	26.2		
100	P12 BPSK	135	138	24.27	24.36	24.30	25.7	0.5	
100	P12 BPSK	270	0	24.32	24.35	24.28	25.7		
100	QPSK	1	1	25.11	25.22	25.20			
100	QPSK	1	137	24.87	24.93	24.91	26.2	0.0	
100	QPSK	1	271	24.95	24.97	24.87			
100	QPSK	135	0	24.43	24.51	24.49			
100	QPSK	135	69	24.75	25.10	24.91	26.2	0.0	
100	QPSK	135	138	24.36	24.39	24.32			
100	QPSK	270	0	24.30	24.37	24.22	25.7	0.5	
100	16QAM	1	1	24.47	24.50	24.43	25.7	0.5	
100	64QAM	1	1	23.88	23.91	23.90	25.2	1.0	
100	256QAM	1	1	23.58	23.68	23.59	24.2	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.41	25.52	25.44	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.14	25.18	25.19	26.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.1204	25.0988	25.0998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	25.0612	25.0629	25.0499	26.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.08	25.20	25.12	26.2	0.0	
70	QPSK	1	1	25.08	25.20	25.12	26.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.1204	25.0988	25.0998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	25.14	25.13	25.19	26.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.0612	25.0629	25.0799	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	25.07	25.09	25.09	26.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.08	25.13	25.19	26.2	0.0	
40	QPSK	1	1	25.07	25.10	25.09	26.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.08	25.12	25.10	26.2	0.0	
30	QPSK	1	1	25.08	25.12	25.10	26.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.1509	25.1598	25.1596	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	25.15	25.15	25.19	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	14.34	14.54	14.34			
100	Pl2 BPSK	1	137	14.36	14.54	14.42	15.7	0.0	
100	Pl2 BPSK	1	271	14.35	14.48	14.44			
100	Pl2 BPSK	135	0	14.29	14.50	14.42	15.7	0.0	
100	Pl2 BPSK	135	69	14.34	14.45	14.49	15.7	0.0	
100	Pl2 BPSK	135	138	14.33	14.43	14.48		15.7	0.0
100	Pl2 BPSK	270	0	14.39	14.49	14.46			
100	QPSK	1	1	14.33	14.55	14.35			
100	QPSK	1	137	14.37	14.49	14.45	15.7	0.0	
100	QPSK	1	271	14.39	14.50	14.45			
100	QPSK	135	0	14.34	14.43	14.48			
100	QPSK	135	69	14.31	14.53	14.45	15.7	0.0	
100	QPSK	135	138	14.34	14.40	14.43			
100	QPSK	270	0	14.33	14.46	14.39	15.7	0.0	
100	16QAM	1	1	14.32	14.52	14.39	15.7	0.0	
100	64QAM	1	1	14.38	14.40	14.36	15.7	0.0	
100	256QAM	1	1	14.35	14.53	14.46	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2541	2592.99	2644.98	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2536.02	2592.99	2649.99	15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.32	14.53	14.43	15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2516.01	2592.99	2670	15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2516.01	2592.99	2670	15.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	507204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2506.02	2592.99	2679.99	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.28	14.42	14.43	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.35	14.41	14.35	15.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	499200	518998	537998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2496	2592.99	2693.98	15.7	0.0	

FCC_n41(HPUe)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mid. Ch. / Freq.	Power Hgh. Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB2 BPSK	1	1	14.34	14.54	14.35			
100	PB2 BPSK	1	137	14.36	14.54	14.42	15.7	0.0	
100	PB2 BPSK	1	271	14.35	14.48	14.44			
100	PB2 BPSK	135	0	14.29	14.50	14.42	15.7	0.0	
100	PB2 BPSK	135	69	14.34	14.45	14.49	15.7	0.0	
100	PB2 BPSK	135	138	14.33	14.43	14.48			
100	PB2 BPSK	270	0	14.39	14.49	14.46			
100	QPSK	1	1	14.33	14.55	14.35			
100	QPSK	1	137	14.37	14.49	14.45	15.7	0.0	
100	QPSK	1	271	14.39	14.50	14.45			
100	QPSK	135	0	14.34	14.43	14.48			
100	QPSK	135	69	14.31	14.53	14.45	15.7	0.0	
100	QPSK	135	138	14.34	14.40	14.43			
100	QPSK	270	0	14.33	14.46	14.39	15.7	0.0	
100	16QAM	1	1	14.32	14.52	14.39	15.7	0.0	
100	64QAM	1	1	14.38	14.40	14.36	15.7	0.0	
100	256QAM	1	1	14.35	14.53	14.46	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2541	2592.99	2644.98	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2536.02	2592.99	2649.99	15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.32	14.53	14.43	15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2516.01	2592.99	2670	15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2516.01	2592.99	2670	15.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	507204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2506.02	2592.99	2679.99	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.28	14.46	14.43	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.35	14.41	14.35	15.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	499200	518998	537998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2496	2592.99	2693.98	15.7	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	12.70	12.75	12.74			
100	Pl2 BPSK	1	137	12.68	12.75	12.74	13.6	0.0	
100	Pl2 BPSK	1	271	12.74	12.77	12.70			
100	Pl2 BPSK	135	0	12.67	12.78	12.80	13.6	0.0	
100	Pl2 BPSK	135	69	12.72	12.87	12.69	13.6	0.0	
100	Pl2 BPSK	136	136	12.75	12.76	12.71	13.6	0.0	
100	Pl2 BPSK	270	0	12.70	12.79	12.73			
100	QPSK	1	1	12.70	12.75	12.74			
100	QPSK	1	137	12.69	12.77	12.81	13.6	0.0	
100	QPSK	1	271	12.68	12.79	12.71			
100	QPSK	135	0	12.68	12.77	12.77			
100	QPSK	135	69	12.76	12.85	12.69	13.6	0.0	
100	QPSK	135	136	12.77	12.78	12.77			
100	QPSK	270	0	12.73	12.77	12.76	13.6	0.0	
100	16QAM	1	1	12.70	12.75	12.76	13.6	0.0	
100	16QAM	1	1	12.74	12.84	12.80	13.6	0.0	
100	256QAM	1	1	12.78	12.73	12.72	13.6	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.74	12.82	12.69	13.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.75	12.82	12.80	13.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.65	12.99	12.98	13.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.75	12.78	12.77	13.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.74	12.75	12.68	13.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.71	12.75	12.77	13.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.70	12.78	12.74	13.6	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.67	12.74	12.68	13.6	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)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	12.70	12.75	12.75				
100	Pl2 BPSK	1	137	12.68	12.75	12.74	13.6	0.0		
100	Pl2 BPSK	1	271	12.74	12.77	12.70				
100	Pl2 BPSK	135	0	12.67	12.78	12.60	13.6	0.0		
100	Pl2 BPSK	135	69	12.72	12.87	12.69	13.6	0.0		
100	Pl2 BPSK	135	138	12.75	12.76	12.71	13.6	0.0		
100	Pl2 BPSK	270	0	12.70	12.79	12.73				
100	QPSK	1	1	12.68	12.88	12.63				
100	QPSK	1	137	12.69	12.77	12.81	13.6	0.0		
100	QPSK	1	271	12.66	12.79	12.71				
100	QPSK	135	0	12.68	12.77	12.77				
100	QPSK	135	69	12.70	12.85	12.65	13.6	0.0		
100	QPSK	135	138	12.77	12.78	12.77				
100	QPSK	270	0	12.73	12.77	12.75	13.6	0.0		
100	16QAM	1	1	12.70	12.79	12.78	13.6	0.0		
100	16QAM	1	1	12.74	12.84	12.80	13.6	0.0		
100	256QAM	1	1	12.78	12.73	12.72	13.6	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	12.14	12.12	12.09	13.6	0.0		
Channel										
Frequency (MHz)				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	12.75	12.82	12.80	13.6	0.0		
Channel										
Frequency (MHz)				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	12.75	12.78	12.77	13.6	0.0		
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	12.74	12.82	12.81	13.6	0.0		
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	12.74	12.81	12.81	13.6	0.0		
Channel										
Frequency (MHz)				507204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	12.71	12.75	12.77	13.6	0.0		
Channel										
Frequency (MHz)				499200	518598	537996	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	12.70	12.78	12.74	13.6	0.0		
Channel										
Frequency (MHz)				495200	518598	537996	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	12.67	12.74	12.68	13.6	0.0		

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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)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.95	14.19	14.07				
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	135	138	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.08	14.10	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07	14.05	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.03	14.15	14.14	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	13.96	14.12	14.13	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526998	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	14.05	14.10	14.11	15.2	0.0		
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	14.08	14.17	14.11	15.2	0.0		
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	14.05	14.09	14.06	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	13.95	14.17	14.10	15.2	0.0		
Channel										
Frequency (MHz)				499200	518598	537996	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	14.04	14.16	14.14	15.2	0.0		
Channel										
Frequency (MHz)				495200	518598	537996	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	13.98	14.16	14.12	15.2	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)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.95	14.19	14.07				
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	136	136	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.09	14.15	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07	14.06	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.09	14.15	14.14	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	253.02	2592.99	2648.99	15.2	0.0		
Channel										
Frequency (MHz)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.96	14.12	14.13	15.2	0.0		
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	136	136	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.09	14.15	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07	14.06	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.09	14.15	14.14	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	253.02	2592.99	2648.99	15.2	0.0		
Channel										
Frequency (MHz)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.96	14.12	14.13	15.2	0.0		
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	136	136	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.09	14.15	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07	14.06	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.09	14.15	14.14	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	253.02	2592.99	2648.99	15.2	0.0		
Channel										
Frequency (MHz)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.96	14.12	14.13	15.2	0.0		
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	136	136	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.09	14.15	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07	14.06	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.09	14.15	14.14	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	253.02	2592.99	2648.99	15.2	0.0		
Channel										
Frequency (MHz)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.96	14.12	14.13	15.2	0.0		
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	136	136	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.09	14.15	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07	14.06	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.09	14.15	14.14	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	253.02	2592.99	2648.99	15.2	0.0		
Channel										
Frequency (MHz)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.96	14.12	14.13	15.2	0.0		
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	136	136	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.09	14.15	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07	14.06	15.2	0.0		
Channel										
Frequency (MHz)				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	14.09	14.15	14.14	15.2	0.0		
Channel										
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	253.02	2592.99	2648.99	15.2	0.0		
Channel										
Frequency (MHz)				506202	518598	526000	2540			
100	Pl2 BPSK	1	1	13.96	14.12	14.13	15.2	0.0		
100	Pl2 BPSK	1	137	13.99	14.05	14.05	15.2	0.0		
100	Pl2 BPSK	1	271	14.03	14.14	14.07				
100	Pl2 BPSK	135	0	13.96	14.06	14.01	15.2	0.0		
100	Pl2 BPSK	135	69	13.99	14.11	14.13	15.2	0.0		
100	Pl2 BPSK	136	136	13.96	14.16	14.09				
100	Pl2 BPSK	270	0	13.98	14.09	14.15	15.2	0.0		
100	QPSK	1	1	14.10	14.20	14.15				
100	QPSK	1	137	14.05	14.14	14.13	15.2	0.0		
100	QPSK	1	271	13.96	14.14	14.15				
100	QPSK	135	0	14.08	14.14	14.12				
100	QPSK	135	69	14.06	14.16	14.14	15.2	0.0		
100	QPSK	135	138	13.96	14.13	14.04				
100	QPSK	270	0	14.00	14.15	14.10	15.2	0.0		
100	16QAM	1	1	13.97	14.16	14.10	15.2	0.0		
100	16QAM	1	1	14.04	14.16	14.15	15.2	0.0		
100	256QAM	1	1	14.04	14.07</					

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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		13.87			14.7	0.0
100	Pl2 BPSK	1	137		13.87				
100	Pl2 BPSK	1	271		13.88				
100	Pl2 BPSK	135	0		13.85			14.7	0.0
100	Pl2 BPSK	135	69		13.83			14.7	0.0
100	Pl2 BPSK	135	138		13.85			14.7	0.0
100	Pl2 BPSK	270	0		13.84				
100	QPSK	1	1		13.95				
100	QPSK	1	137		13.86			14.7	0.0
100	QPSK	1	271		13.83			14.7	0.0
100	QPSK	135	0		13.83				
100	QPSK	135	69		13.88				
100	QPSK	135	138		13.87			14.7	0.0
100	QPSK	270	0		13.84				
100	16QAM	1	1		13.85			14.7	0.0
100	64QAM	1	1		13.80			14.7	0.0
100	256QAM	1	1		13.94			14.7	0.0
Channel				633000		633668		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1		13.77	13.73	13.74	14.7	0.0
Channel				632668		633000		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1		13.72	13.75	13.73	14.7	0.0
Channel				632334		633332		Tune-up limit (dBm)	
Frequency (MHz)									
70	QPSK	1	1		13.70	13.80	13.74	14.7	0.0
Channel				632000		633332		Tune-up limit (dBm)	
Frequency (MHz)									
60	QPSK	1	1		13.71	13.80	13.77	14.7	0.0
Channel				631668		633000		Tune-up limit (dBm)	
Frequency (MHz)									
50	QPSK	1	1		13.69	13.78	13.77	14.7	0.0
Channel				631334		633332		Tune-up limit (dBm)	
Frequency (MHz)									
40	QPSK	1	1		13.75	13.77	13.68	14.7	0.0
Channel				631000		633332		Tune-up limit (dBm)	
Frequency (MHz)									
30	QPSK	1	1		13.74	13.73	13.72	14.7	0.0
Channel				630668		633332		Tune-up limit (dBm)	
Frequency (MHz)									
20	QPSK	1	1		13.50	13.72	13.68	14.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		650000			
Frequency (MHz)									
100	Pl2 BPSK	1	1		13.80	13.84	13.53	14.7	0.0
100	Pl2 BPSK	1	137		13.80	13.87	13.84		
100	Pl2 BPSK	1	271		13.58	13.81	13.54		
100	Pl2 BPSK	135	0		13.55	13.65	13.60	14.7	0.0
100	Pl2 BPSK	135	69		13.51	13.62	13.61	14.7	0.0
100	Pl2 BPSK	135	138		13.59	13.68	13.55	14.7	0.0
100	Pl2 BPSK	270	0		13.54	13.63	13.58		
100	QPSK	1	1		13.62	13.70	13.65		
100	QPSK	1	137		13.58	13.58	13.58	14.7	0.0
100	QPSK	1	271		13.59	13.62	13.57		
100	QPSK	135	0		13.59	13.63	13.52		
100	QPSK	135	69		13.61	13.66	13.62	14.7	0.0
100	QPSK	135	138		13.54	13.63	13.58		
100	QPSK	270	0		13.48	13.63	13.55		
100	16QAM	1	1		13.59	13.59	13.59	14.7	0.0
100	64QAM	1	1		13.61	13.62	13.58	14.7	0.0
100	256QAM	1	1		13.59	13.63	13.55	14.7	0.0
Channel				649668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1		13.49	13.69	13.63	14.7	0.0
Channel				649334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
80	QPSK	1	1		13.61	13.63	13.58	14.7	0.0
Channel				649000		650000		Tune-up limit (dBm)	
Frequency (MHz)									
70	QPSK	1	1		13.61	13.58	13.59	14.7	0.0
Channel				648668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
60	QPSK	1	1		13.50	13.58	13.59	14.7	0.0
Channel				648334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
50	QPSK	1	1		13.58	13.58	13.59	14.7	0.0
Channel				648000		650000		Tune-up limit (dBm)	
Frequency (MHz)									
40	QPSK	1	1		13.58	13.62	13.64	14.7	0.0
Channel				647668		650000		Tune-up limit (dBm)	
Frequency (MHz)									
30	QPSK	1	1		13.50	13.65	13.54	14.7	0.0
Channel				647334		650000		Tune-up limit (dBm)	
Frequency (MHz)									
20	QPSK	1	1		13.57	13.66	13.54	14.7	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				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1		13.57		15.2	0.0	
100	Pl2 BPSK	1	137		13.52				
100	Pl2 BPSK	1	271		13.50				
100	Pl2 BPSK	135	0		13.61		15.2	0.0	
100	Pl2 BPSK	135	69		13.53		15.2	0.0	
100	Pl2 BPSK	135	138		13.57		15.2	0.0	
100	Pl2 BPSK	270	0		13.61				
100	QPSK	1	1		13.65				
100	QPSK	1	137		13.58		15.2	0.0	
100	QPSK	1	271		13.53				
100	QPSK	135	0		13.58				
100	QPSK	135	69		13.63		15.2	0.0	
100	QPSK	135	138		13.54				
100	QPSK	270	0		13.60				
100	16QAM	1	1		13.61		15.2	0.0	
100	64QAM	1	1		13.56		15.2	0.0	
100	256QAM	1	1		13.53		15.2	0.0	
Channel				633000		633332		633668	
Frequency (MHz)						3499.98		3504.99	
80	QPSK	1	1		13.42	13.59	13.51	15.2	0.0
Channel				632668		633332		634000	
Frequency (MHz)						3490.02		3499.98	
80	QPSK	1	1		13.39	13.48	13.49	15.2	0.0
Channel				632334		633000		633668	
Frequency (MHz)						3485.01		3499.98	
70	QPSK	1	1		13.38	13.60	13.56	15.2	0.0
Channel				632000		633332		634066	
Frequency (MHz)						3480.00		3499.98	
60	QPSK	1	1		13.48	13.47	13.56	15.2	0.0
Channel				631668		633000		633668	
Frequency (MHz)						3475.02		3499.98	
50	QPSK	1	1		13.45	13.61	13.60	15.2	0.0
Channel				631334		633332		635332	
Frequency (MHz)						3470.01		3499.98	
40	QPSK	1	1		13.50	13.57	13.57	15.2	0.0
Channel				631000		633332		635666	
Frequency (MHz)						3465.00		3499.98	
30	QPSK	1	1		13.43	13.53	13.59	15.2	0.0
Channel				630668		633332		636000	
Frequency (MHz)						3460.02		3499.98	
20	QPSK	1	1		13.42	13.48	13.55	15.2	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	13.46	13.49	13.41				
100	Pl2 BPSK	1	137	13.36	13.40	13.38	15.2	0.0		
100	Pl2 BPSK	1	271	13.33	13.40	13.28				
100	Pl2 BPSK	135	0	13.43	13.56	13.45	15.2	0.0		
100	Pl2 BPSK	135	69	13.36	13.38	13.34				
100	Pl2 BPSK	135	138	13.39	13.49	13.40	15.2	0.0		
100	Pl2 BPSK	270	0	13.41	13.48	13.37				
100	QPSK	1	1	13.57	13.60	13.55				
100	QPSK	1	137	13.50	13.56	13.41	15.2	0.0		
100	QPSK	1	271	13.39	13.45	13.41				
100	QPSK	135	0	13.53	13.54	13.41	15.2	0.0		
100	QPSK	135	69	13.71	13.56	13.45				
100	QPSK	135	138	13.48	13.49	13.42				
100	QPSK	270	0	13.48	13.53	13.42	15.2	0.0		
100	16QAM	1	1	13.48	13.49	13.38	15.2	0.0		
100	64QAM	1	1	13.40	13.46	13.32	15.2	0.0		
100	256QAM	1	1	13.34	13.39	13.25	15.2	0.0		
Channel										
Frequency (MHz)				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)		
				3742.02	3840	3924.98	(dB)			
80	QPSK	1	1	13.13	13.59	13.54				
Channel										
Frequency (MHz)				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)		
				3740.01	3840	3939.99	(dB)			
80	QPSK	1	1	13.53	13.50	13.57	15.2	0.0		
Channel										
Frequency (MHz)				650000	650000	660000	Tune-up limit (dBm)	MPR (dB)		
				3735	3840	3945	(dB)			
70	QPSK	1	1	13.50	13.52	13.53	15.2	0.0		
Channel										
Frequency (MHz)				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)		
				3740.02	3840	3949.98	(dB)			
60	QPSK	1	1	13.50	13.51	13.47	15.2	0.0		
Channel										
Frequency (MHz)				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)		
				3725.01	3840	3954.99	(dB)			
50	QPSK	1	1	13.44	13.52	13.49	15.2	0.0		
Channel										
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)		
				3720	3840	3960	(dB)			
40	QPSK	1	1	13.48	13.59	13.47	15.2	0.0		
Channel										
Frequency (MHz)				647668	650000	664666	Tune-up limit (dBm)	MPR (dB)		
				3715.02	3840	3954.98	(dB)			
30	QPSK	1	1	13.52	13.56	13.50	15.2	0.0		
Channel										
Frequency (MHz)				647334	650000	664966	Tune-up limit (dBm)	MPR (dB)		
				3710.01	3840	3959.99	(dB)			
20	QPSK	1	1	13.54	13.59	13.55	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)				639000	633332	3409.98				
100	Pl2 BPSK	1	1		16.81					
100	Pl2 BPSK	1	137		16.78		18.2	0.0		
100	Pl2 BPSK	1	271		16.71					
100	Pl2 BPSK	135	0		16.78		18.2	0.0		
100	Pl2 BPSK	135	69		16.74		18.2	0.0		
100	Pl2 BPSK	135	138		16.73		18.2	0.0		
100	Pl2 BPSK	270	0		16.77					
100	QPSK	1	1		16.82					
100	QPSK	1	137		16.68		18.2	0.0		
100	QPSK	1	271		16.77					
100	QPSK	135	0		16.69					
100	QPSK	135	69		16.80		18.2	0.0		
100	QPSK	135	138		16.73					
100	QPSK	270	0		16.75					
100	16QAM	1	1		16.74		18.2	0.0		
100	64QAM	1	1		16.76		18.2	0.0		
100	256QAM	1	1		16.67		18.2	0.0		
Channel										
Frequency (MHz)				639000	633332	639998	Tune-up limit (dBm)	MPR (dB)		
				3405	3409.98	3504.98	(dB)			
90	QPSK	1	1		16.67	16.63	16.70			
Channel										
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)		
				3400.02	3409.98	3510	(dB)			
80	QPSK	1	1		16.65	16.70	18.2			
Channel										
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)		
				3405.01	3409.98	3514.98	(dB)			
70	QPSK	1	1		16.65	16.75	18.2			
Channel										
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)		
				3400	3409.98	3518.98	(dB)			
60	QPSK	1	1		16.68	16.63	16.70			
Channel										
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
				3475.02	3409.98	3525	(dB)			
50	QPSK	1	1		16.60	16.65	16.71			
Channel										
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3409.98	3528.98	(dB)			
40	QPSK	1	1		16.59	16.64	16.79			
Channel										
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)		
				3465	3409.98	3534.98	(dB)			
30	QPSK	1	1		16.68	16.73	16.77			
Channel										
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
				3460.02	3409.98	3540	(dB)			
20	QPSK	1	1		16.64	16.74	16.82			

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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	660000				
Frequency (MHz)				3750	3840	3930				
100	Pl2 BPSK	1	1	16.84	16.81	16.78				
100	Pl2 BPSK	1	137	16.83	16.77	16.79				
100	Pl2 BPSK	1	271	16.74	16.90	16.76				
100	Pl2 BPSK	135	0	16.74	16.91	16.78		18.2	0.0	
100	Pl2 BPSK	135	69	16.75	16.79	16.87		18.2	0.0	
100	Pl2 BPSK	135	138	16.73	16.77	16.82		18.2	0.0	
100	Pl2 BPSK	270	0	16.72	16.87	16.85		18.2	0.0	
100	QPSK	1	1	16.84	16.82	16.80				
100	QPSK	1	137	16.81	16.84	16.73		18.2	0.0	
100	QPSK	1	271	16.79	16.82	16.81				
100	QPSK	135	0	16.82	16.85	16.80				
100	QPSK	135	69	16.84	16.86	16.79		18.2	0.0	
100	QPSK	135	138	16.80	16.75	16.77		18.2	0.0	
100	QPSK	270	0	16.81	16.86	16.80		18.2	0.0	
100	QAM	1	1	16.82	16.82	16.78		18.2	0.0	
100	QAM	1	1	16.84	16.86	16.82		18.2	0.0	
100	256QAM	1	1	16.70	16.88	16.75		18.2	0.0	
Channel				646668	650000	662332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3762.02	3840	3924.98				
90	QPSK	1	1	16.77	16.83	16.73		18.2	0.0	
Channel				646334	650000	652666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3760.01	3840	3939.99				
80	QPSK	1	1	16.78	16.83	16.82		18.2	0.0	
Channel				646000	650000	660000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3755	3840	3945				
70	QPSK	1	1	16.74	16.91	16.76		18.2	0.0	
Channel				646668	650000	663332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3762.02	3840	3948.98				
60	QPSK	1	1	16.79	16.85	16.82		18.2	0.0	
Channel				646334	650000	659666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3755.01	3840	3954.99				
50	QPSK	1	1	16.74	16.77	16.72		18.2	0.0	
Channel				646000	650000	654000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3750	3840	3960				
40	QPSK	1	1	16.83	16.89	16.81		18.2	0.0	
Channel				646000	650000	663332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	16.84	16.89	16.85		18.2	0.0	
Channel				647334	650000	646666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3760.01	3840	3969.99				
20	QPSK	1	1	16.74	16.85	16.79		18.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.09				14.7	0.0
100	Pl2 BPSK	1	137	13.12					
100	Pl2 BPSK	1	271	13.11					
100	Pl2 BPSK	135	0	13.17				14.7	0.0
100	Pl2 BPSK	135	69	13.08				14.7	0.0
100	Pl2 BPSK	135	138	13.05				14.7	0.0
100	Pl2 BPSK	270	0	13.16					
100	QPSK	1	1	13.18					
100	QPSK	1	137	13.14				14.7	0.0
100	QPSK	1	271	13.08					
100	QPSK	135	0	13.07				14.7	0.0
100	QPSK	135	69	13.16					
100	QPSK	135	138	13.11					
100	QPSK	270	0	13.11				14.7	0.0
100	16QAM	1	1	13.03				14.7	0.0
100	16QAM	1	1	13.14				14.7	0.0
100	256QAM	1	1	13.06				14.7	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		
80	QPSK	1	1	13.12	13.09	12.98	14.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)		
80	QPSK	1	1	13.13	12.99	12.97	14.7	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1	13.01	13.04	12.96	14.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)		
60	QPSK	1	1	13.12	13.01	13.07	14.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		
50	QPSK	1	1	13.07	13.11	13.03	14.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		
40	QPSK	1	1	13.12	13.00	12.94	14.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		
30	QPSK	1	1	13.06	13.13	13.01	14.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
20	QPSK	1	1	13.14	13.13	12.94	14.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3840			
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.00	13.01	12.90		14.7	0.0
100	Pl2 BPSK	1	137	13.00	13.03	12.83			
100	Pl2 BPSK	1	271	12.96	13.09	13.04			
100	Pl2 BPSK	135	0	13.01	13.12	13.11		14.7	0.0
100	Pl2 BPSK	135	69	12.83	12.97	12.91		14.7	0.0
100	Pl2 BPSK	135	138	12.84	12.92	12.89		14.7	0.0
100	Pl2 BPSK	270	0	13.06	13.06	13.00			
100	QPSK	1	1	13.07	13.14	13.05			
100	QPSK	1	137	12.96	13.05	13.02		14.7	0.0
100	QPSK	1	271	12.93	12.97	12.95			
100	QPSK	135	0	12.94	12.96	12.95		14.7	0.0
100	QPSK	135	69	13.08	13.12	13.07			
100	QPSK	135	138	12.85	12.97	12.95			
100	QPSK	270	0	13.00	13.07	12.98		14.7	0.0
100	16QAM	1	1	12.84	12.83	12.80		14.7	0.0
100	16QAM	1	1	12.97	13.03	12.97		14.7	0.0
100	256QAM	1	1	12.92	13.00	12.91		14.7	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3740	3741.98	(dBm)		
80	QPSK	1	1	13.04	13.10	13.01	14.7	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3859.98	(dBm)		
80	QPSK	1	1	12.92	13.12	13.00	14.7	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)		
70	QPSK	1	1	13.04	13.05	12.96	14.7	0.0	
Channel				648668	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.98	(dBm)		
60	QPSK	1	1	12.97	13.06	13.03	14.7	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720.02	3840	3945.98	(dBm)		
50	QPSK	1	1	13.06	13.02	13.04	14.7	0.0	
Channel				647668	650000	654332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3954.98	(dBm)		
40	QPSK	1	1	12.93	13.01	13.01	14.7	0.0	
Channel				647334	650000	654666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3959.98	(dBm)		
30	QPSK	1	1	12.97	13.02	12.97	14.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)									
100	Pl2 BPSK	1	1	13.51				14.7	0.0
100	Pl2 BPSK	1	137	13.54					
100	Pl2 BPSK	1	271	13.48					
100	Pl2 BPSK	135	0	13.59				14.7	0.0
100	Pl2 BPSK	135	69	13.53				14.7	0.0
100	Pl2 BPSK	135	138	13.57				14.7	0.0
100	Pl2 BPSK	270	0	13.53					
100	QPSK	1	1	13.62					
100	QPSK	1	137	13.47				14.7	0.0
100	QPSK	1	271	13.55					
100	QPSK	135	0	13.52					
100	QPSK	135	69	13.60				14.7	0.0
100	QPSK	135	138	13.50					
100	QPSK	270	0	13.58				14.7	0.0
100	16QAM	1	1	13.49				14.7	0.0
100	16QAM	1	1	13.57				14.7	0.0
100	256QAM	1	1	13.54				14.7	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		
80	QPSK	1	1	13.51	13.49	13.41	14.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)		
80	QPSK	1	1	13.60	13.51	13.51	14.7	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1	13.53	13.47	13.49	14.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)		
60	QPSK	1	1	13.61	13.51	13.53	14.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		
50	QPSK	1	1	13.51	13.56	13.60	14.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		
40	QPSK	1	1	13.53	13.48	13.48	14.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		
30	QPSK	1	1	13.54	13.61	13.62	14.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
20	QPSK	1	1	13.61	13.55	13.56	14.7	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	14.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	12.81			14.7	0.0	
100	Pl2 BPSK	1	137	12.83					
100	Pl2 BPSK	1	271	12.75					
100	Pl2 BPSK	135	0	12.83			14.7	0.0	
100	Pl2 BPSK	135	69	12.78			14.7	0.0	
100	Pl2 BPSK	135	138	12.82			14.7	0.0	
100	Pl2 BPSK	270	0	12.80					
100	QPSK	1	1	12.88					
100	QPSK	1	137	12.83			14.7	0.0	
100	QPSK	1	271	12.80			14.7	0.0	
100	QPSK	135	0	12.74					
100	QPSK	135	69	12.84					
100	QPSK	135	138	12.84			14.7	0.0	
100	QPSK	270	0	12.78					
100	16QAM	1	1	12.73					
100	64QAM	1	1	12.87			14.7	0.0	
100	256QAM	1	1	12.80			14.7	0.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
80	QPSK	1	1	12.13	12.76	12.86	14.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3503.90	(dB)		
80	QPSK	1	1	12.85	12.85	12.81	14.7	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	12.73	12.77	12.84	14.7	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dB)		
60	QPSK	1	1	12.76	12.84	12.82	14.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dB)		
50	QPSK	1	1	12.73	12.86	12.73	14.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	1	12.86	12.76	12.80	14.7	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	1	12.75	12.73	12.73	14.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dB)		
20	QPSK	1	1	12.75	12.68	12.73	14.7	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				649000		3750	14.7	0.0	
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	13.41			14.7	0.0	
100	Pl2 BPSK	1	137	13.35					
100	Pl2 BPSK	1	271	13.43					
100	Pl2 BPSK	135	0	13.35			14.7	0.0	
100	Pl2 BPSK	135	69	13.35			14.7	0.0	
100	Pl2 BPSK	135	138	13.34			14.7	0.0	
100	Pl2 BPSK	270	0	13.34					
100	QPSK	1	1	13.45					
100	QPSK	1	137	13.42			14.7	0.0	
100	QPSK	1	271	13.37			14.7	0.0	
100	QPSK	135	0	13.42					
100	QPSK	135	69	13.40					
100	QPSK	135	138	13.38			14.7	0.0	
100	QPSK	270	0	13.37					
100	16QAM	1	1	13.44					
100	64QAM	1	1	13.30			14.7	0.0	
100	256QAM	1	1	13.43			14.7	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3742.02	3750	3757.98	(dB)		
90	QPSK	1	1	13.16	13.27	13.28	14.7	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dB)		
80	QPSK	1	1	13.18	13.20	13.30	14.7	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	(dB)		
70	QPSK	1	1	13.28	13.20	13.29	14.7	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.02	3750	3761.98	(dB)		
60	QPSK	1	1	13.18	13.20	13.21	14.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dB)		
50	QPSK	1	1	13.18	13.20	13.25	14.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dB)		
40	QPSK	1	1	13.23	13.20	13.28	14.7	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dB)		
30	QPSK	1	1	13.22	13.18	13.26	14.7	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dB)		
20	QPSK	1	1	13.17	13.30	13.24	14.7	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)				3499.98					
100	Pl2 BPSK	1	1	12.81			14.7	0.0	
100	Pl2 BPSK	1	137	12.83					
100	Pl2 BPSK	1	271	12.75					
100	Pl2 BPSK	135	0	12.83			14.7	0.0	
100	Pl2 BPSK	135	69	12.78			14.7	0.0	
100	Pl2 BPSK	135	138	12.82			14.7	0.0	
100	Pl2 BPSK	270	0	12.80					
100	QPSK	1	1	12.88					
100	QPSK	1	137	12.83			14.7	0.0	
100	QPSK	1	271	12.80			14.7	0.0	
100	QPSK	135	0	12.74					
100	QPSK	135	69	12.84					
100	QPSK	135	138	12.84			14.7	0.0	
100	QPSK	270	0	12.78					
100	16QAM	1	1	12.73					
100	64QAM	1	1	12.87			14.7	0.0	
100	256QAM	1	1	12.80			14.7	0.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
90	QPSK	1	1	12.13	12.76	12.86	14.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3503.90	(dB)		
80	QPSK	1	1	12.85	12.85	12.81	14.7	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1	12.73	12.77	12.84	14.7	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	(dB)		
60	QPSK	1	1	12.76	12.84	12.82	14.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525.98	(dB)		
50	QPSK	1	1	12.73	12.76	12.73	14.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	1	12.86	12.76	12.80	14.7	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98	(dB)		
30	QPSK	1	1	12.75	12.73	12.73	14.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.69	3499.98	3540.98	(dB)		
20	QPSK	1	1	12.65	12.88	12.73	14.7	0.0	

Part270_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		13.41				
100	PI2 BPSK	1	137		13.35		14.7	0.0	
100	PI2 BPSK	1	271		13.43				
100	PI2 BPSK	135	0		13.35		14.7	0.0	
100	PI2 BPSK	135	69		13.35				
100	PI2 BPSK	135	138		13.34		14.7	0.0	
100	PI2 BPSK	270	0		13.34				
100	QPSK	1	1		13.42				
100	QPSK	1	137		13.42		14.7	0.0	
100	QPSK	1	271		13.37				
100	QPSK	135	0		13.42				
100	QPSK	135	69		13.40				
100	QPSK	135	138		13.38		14.7	0.0	
100	QPSK	270	0		13.37				
100	16QAM	1	1		13.44		14.7	0.0	
100	64QAM	1	1		13.30		14.7	0.0	
100	256QAM	1	1		13.43		14.7	0.0	
Channel									
Frequency (MHz)									
3745.02									
80	QPSK	1	1	648968	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3740.01									
80	QPSK	1	1	648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3735									
70	QPSK	1	1	13.18	13.20	13.30	14.7	0.0	
Channel									
Frequency (MHz)									
3735									
60	QPSK	1	1	13.18	13.20	13.21	14.7	0.0	
Channel									
Frequency (MHz)									
3730.02									
50	QPSK	1	1	648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3725.01									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3720									
30	QPSK	1	1	13.23	13.20	13.28	14.7	0.0	
Channel									
Frequency (MHz)									
3715.02									
20	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3710.01									
20	QPSK	1	1	13.17	13.30	13.24	14.7	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)									
3469.98									
100	Pi/2 BPSK	1	1		17.75		18.7	0.0	
100	Pi/2 BPSK	1	137		17.65				
100	Pi/2 BPSK	1	271		17.79				
100	Pi/2 BPSK	135	0		17.76		18.7	0.0	
100	Pi/2 BPSK	135	69		17.78		18.7	0.0	
100	Pi/2 BPSK	135	138		17.77		18.7	0.0	
100	Pi/2 BPSK	270	0		17.66		18.7	0.0	
100	QPSK	1	1		17.80				
100	QPSK	1	137		17.72				
100	QPSK	1	271		17.75		18.7	0.0	
100	QPSK	135	0		17.67				
100	QPSK	135	69		17.76				
100	QPSK	135	138		17.68		18.7	0.0	
100	QPSK	270	0		17.70		18.7	0.0	
100	16QAM	1	1		17.70		18.7	0.0	
100	64QAM	1	1		17.78		18.7	0.0	
100	256QAM	1	1		17.68		18.7	0.0	
Channel									
Frequency (MHz)									
3465									
90	QPSK	1	1		63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3460.02									
80	QPSK	1	1		17.78	17.73	17.73	18.7	0.0
Channel									
Frequency (MHz)									
3455.01									
70	QPSK	1	1		17.77	17.72	17.77	18.7	0.0
Channel									
Frequency (MHz)									
3450.02									
60	QPSK	1	1		17.66	17.75	17.71	18.7	0.0
Channel									
Frequency (MHz)									
3445.02									
50	QPSK	1	1		63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3440.01									
40	QPSK	1	1		17.68	17.78	17.78	18.7	0.0
Channel									
Frequency (MHz)									
3435.02									
30	QPSK	1	1		17.77	17.76	17.78	18.7	0.0
Channel									
Frequency (MHz)									
3430.02									
20	QPSK	1	1		63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
3425.02									
20	QPSK	1	1		17.74	17.68	17.72	18.7	0.0

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750									
100	Pi/2 BPSK	1	1		18.08		18.7	0.0	
100	Pi/2 BPSK	1	137		18.16				
100	Pi/2 BPSK	1	271		18.16				
100	Pi/2 BPSK	135	0		18.10		18.7	0.0	
100	Pi/2 BPSK	135	69		18.17		18.7	0.0	
100	Pi/2 BPSK	135	138		18.17		18.7	0.0	
100	Pi/2 BPSK	270	0		18.17		18.7	0.0	
100	QPSK	1	1		18.22				
100	QPSK	1	137		18.09				
100	QPSK	1	271		18.09		18.7	0.0	
100	QPSK	135	0		18.09				
100	QPSK	135	69		18.20				
100	QPSK	135	138		18.12		18.7	0.0	
100	QPSK	270	0		18.17		18.7	0.0	
100	16QAM	1	1		18.09		18.7	0.0	
100	16QAM	1	1		18.08		18.7	0.0	
100	256QAM	1	1		18.14		18.7	0.0	
Channel									
				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
				3755.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.94	18.20	18.17	18.7	0.0	
Channel									
				646334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3769.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.04	18.15	18.05	18.7	0.0	
Channel									
				646000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3735.05	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	17.85	18.18	18.13	18.7	0.0	
Channel									
				646666	650000	651332	Tune-up limit (dBm)	MPR (dB)	
				3740.05	3750	3769.95	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	17.79	18.20	18.03	18.7	0.0	
Channel									
				646334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3774.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	17.79	18.20	18.03	18.7	0.0	
Channel									
				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3730.00	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	17.84	18.17	18.12	18.7	0.0	
Channel									
				645666	650000	652332	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3784.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.03	18.12	18.11	18.7	0.0	
Channel									
				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
				3710.04	3750	3789.96	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.93	18.10	18.15	18.7	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power High Ch. / Freq.	Power H3333 / Freq.	Power H3333 / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332		3499.98		18.7	0.0
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	17.75				18.7	0.0
100	Pl2 BPSK	1	137	17.65					
100	Pl2 BPSK	1	271	17.79				18.7	0.0
100	Pl2 BPSK	135	0	17.76					
100	Pl2 BPSK	135	69	17.78				18.7	0.0
100	Pl2 BPSK	135	138	17.77					
100	Pl2 BPSK	270	0	17.66				18.7	0.0
100	QPSK	1	1	17.80					
100	QPSK	1	137	17.72				18.7	0.0
100	QPSK	1	271	17.75					
100	QPSK	135	0	17.67				18.7	0.0
100	QPSK	135	69	17.76					
100	QPSK	135	138	17.66				18.7	0.0
100	QPSK	270	0	17.70					
100	16QAM	1	1	17.70				18.7	0.0
100	16QAM	1	1	17.76					
100	256QAM	1	1	17.68				18.7	0.0
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	17.72	17.67	17.74		18.7	0.0
Channel				632668	633332	634000		18.7	0.0
Frequency (MHz)				3496.02	3499.98	3503.98			
80	QPSK	1	1	17.78	17.73	17.73		18.7	0.0
Channel				632334	633332	634332		18.7	0.0
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	17.77	17.72	17.77		18.7	0.0
Channel				632000	633332	634668		18.7	0.0
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	17.66	17.75	17.71		18.7	0.0
Channel				631668	633332	635000		18.7	0.0
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	17.65	17.67	17.74		18.7	0.0
Channel				631334	633332	635332		18.7	0.0
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	17.78	17.78	17.78		18.7	0.0
Channel				631000	633332	635668		18.7	0.0
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	17.77	17.75	17.78		18.7	0.0
Channel				630668	633332	636000		18.7	0.0
Frequency (MHz)				3460.02	3499.98	3530			
20	QPSK	1	1	17.74	17.68	17.72		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				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	18.08			18.7	0.0	
100	Pl2 BPSK	1	137	18.16					
100	Pl2 BPSK	1	271	18.16			18.7	0.0	
100	Pl2 BPSK	135	0	18.10					
100	Pl2 BPSK	135	69	18.17			18.7	0.0	
100	Pl2 BPSK	135	138	18.17					
100	Pl2 BPSK	270	0	18.17			18.7	0.0	
100	QPSK	1	1	18.22					
100	QPSK	1	137	18.09			18.7	0.0	
100	QPSK	1	271	18.09					
100	QPSK	135	0	18.09			18.7	0.0	
100	QPSK	135	69	18.05					
100	QPSK	135	138	18.12			18.7	0.0	
100	QPSK	270	0	18.17					
100	16QAM	1	1	18.08			18.7	0.0	
100	16QAM	1	1	18.08					
100	256QAM	1	1	18.14			18.7	0.0	
Channel				649668	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98			
80	QPSK	1	1	17.04	18.20	18.15	18.7	0.0	
Channel				648334	650000	650668	18.7	0.0	
Frequency (MHz)				3740.01	3750	3759.98			
80	QPSK	1	1	18.04	18.15	18.05	18.7	0.0	
Channel				648000	650000	651000	18.7	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.95	18.18	18.13	18.7	0.0	
Channel				648668	650000	651332	18.7	0.0	
Frequency (MHz)				3730.02	3750	3763.98			
60	QPSK	1	1	18.02	18.20	18.12	18.7	0.0	
Channel				648334	650000	651668	18.7	0.0	
Frequency (MHz)				3725.01	3750	3774.98			
50	QPSK	1	1	17.59	18.09	18.05	18.7	0.0	
Channel				648000	650000	652000	18.7	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.84	18.17	18.12	18.7	0.0	
Channel				647668	650000	652332	18.7	0.0	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	18.03	18.12	18.11	18.7	0.0	
Channel				647334	650000	652668	18.7	0.0	
Frequency (MHz)				3710.01	3750	3789.98			
20	QPSK	1	1	17.53	18.10	18.15	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	13.7	0.0	
Frequency (MHz)				3499.98					
100	Pl2 BPSK	1	1	12.04			13.7	0.0	
100	Pl2 BPSK	1	137	12.04					
100	Pl2 BPSK	1	271	12.06			13.7	0.0	
100	Pl2 BPSK	135	0	12.03					
100	Pl2 BPSK	135	69	12.08			13.7	0.0	
100	Pl2 BPSK	135	138	11.99					
100	Pl2 BPSK	270	0	12.03			13.7	0.0	
100	QPSK	1	1	12.10					
100	QPSK	1	137	11.97			13.7	0.0	
100	QPSK	1	271	12.00					
100	QPSK	135	0	12.08			13.7	0.0	
100	QPSK	135	69	12.05					
100	QPSK	135	138	11.97			13.7	0.0	
100	QPSK	270	0	11.95					
100	16QAM	1	1	12.03			13.7	0.0	
100	16QAM	1	1	12.03					
100	256QAM	1	1	12.06			13.7	0.0	
Channel				633000	633332	633668			
Frequency (MHz)				3495	3499.98	3504.98			
80	QPSK	1	1	11.95	12.00	12.03	13.7	0.0	
Channel				632668	633332	634000	13.7	0.0	
Frequency (MHz)				3490.02	3499.98	3509.98			
80	QPSK	1	1	12.03	12.02	11.95	13.7	0.0	
Channel				632334	633332	634332	13.7	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	12.05	12.03	12.07	13.7	0.0	
Channel				632000	633332	634668	13.7	0.0	
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	12.07	12.00	11.97	13.7	0.0	
60	QPSK	1	1	12.03	12.03	12.04	13.7	0.0	
Channel				631668	633332	635000	13.7	0.0	
Frequency (MHz)				3475.02	3499.98	3505			
50	QPSK	1	1	12.07	12.00	11.97	13.7	0.0	
Channel				631334	633332	635332	13.7	0.0	
Frequency (MHz)				3470.01	3499.98	3509.98			
40	QPSK	1	1	11.96	11.99	11.97	13.7	0.0	
Channel				631000	633332	635668	13.7	0.0	
Frequency (MHz)				3465	3499.98	3504.99			
30	QPSK	1	1	12.05	12.07	11.98	13.7	0.0	
Channel				630668	633332	636000	13.7	0.0	
Frequency (MHz)				3460.09	3499.98	3505			
20	QPSK	1	1	12.05	12.01	12.04	13.7	0.0	

	Mode	Channel	Frequency (MHz)	DefaultFull		Head Staircase		Head Staircase WWAN-ET 2.4G-ET 5G-ET		Head Staircase 2.4G-ET WWAN-2.4G-ET WWAN-5G-ET		HeadStaircase_wom_Standards WWAN-ET 2.4G-ET 5G-ET		HeadStaircase_wom_Standards 2.4G-ET WWAN-2.4G-ET WWAN-5G-ET		Duty Cycle %
				Avg 12		Avg 12		Avg 12		Avg 12		Avg 12		Avg 12		
				Average power (dBm)	Turn-Up Level	Average power (dBm)	Turn-Up Level	Average power (dBm)	Turn-Up Level	Average power (dBm)	Turn-Up Level	Average power (dBm)	Turn-Up Level	Average power (dBm)	Turn-Up Level	
Bluetooth	BR / EDR 1Mbps	5	2602	18.75	19.00	17.75	18.00	15.20	15.00	10.00	11.00	18.75	19.00	14.75	15.00	76.97%
		39	2641	18.00	19.00	17.00	18.00	15.40	15.00	10.00	11.00	18.00	19.00	14.00	15.00	
		75	2680	18.00	19.00	15.00	17.00	13.30	14.00	8.70	10.00	18.00	19.00	12.00	14.00	
	BR / EDR 2Mbps	5	2602	18.00	17.00	16.00	16.00	13.30	13.00	7.00	8.00	18.00	17.00	13.00	13.00	76.87%
		39	2641	16.50	17.00	15.50	16.50	13.00	14.00	8.40	9.00	16.00	17.00	12.50	13.50	
		75	2680	14.50	16.00	13.50	15.00	10.80	12.00	6.20	8.00	14.50	16.00	10.50	12.00	
	BR / EDR 3Mbps	5	2602	16.10	17.00	15.10	16.00	12.80	13.00	8.00	9.00	16.10	17.00	12.10	13.00	76.84%
		39	2641	16.00	17.00	15.00	16.00	13.10	14.00	8.50	9.00	16.00	17.00	12.00	13.00	
		75	2680	14.40	16.00	13.40	15.00	10.90	12.00	8.30	9.00	14.40	16.00	10.40	12.00	
	LE 1Mbps	5	2602	11.40	12.00	11.40	12.00	11.40	12.00	Not Required	4.50	11.40	12.00	11.40	12.00	61.81%
		39	2640	11.50	13.00	11.50	13.00	11.50	13.00		5.00	11.50	13.00	11.50	13.00	
		75	2680	10.10	11.50	10.10	11.50	10.10	11.50		3.50	10.10	11.50	10.10	11.50	
	LE 2Mbps	1	2604	11.90	12.00	11.90	12.00	11.90	12.00		4.50	11.90	12.00	11.90	12.00	31.94%
		39	2640	11.90	13.00	11.90	13.00	11.90	13.00		5.00	11.90	13.00	11.90	13.00	
		75	2678	10.40	11.50	10.40	11.50	10.40	11.50		3.00	10.40	11.50	10.40	11.50	
	LE 129Kbps	5	2602	11.50	12.50	11.50	12.50	11.50	12.50		4.00	11.50	12.50	11.50	12.50	82.41%
		39	2640	11.60	13.00	11.60	13.00	11.60	13.00		5.00	11.60	13.00	11.60	13.00	
		75	2680	10.30	11.00	10.30	11.00	10.30	11.00		3.50	10.30	11.00	10.30	11.00	
	LE 500Kbps	5	2602	11.40	12.00	11.40	12.00	11.40	12.00		4.00	11.40	12.00	11.40	12.00	56.48%
		39	2640	11.00	13.00	11.00	13.00	11.00	13.00		5.00	11.00	13.00	11.00	13.00	
		75	2680	10.20	11.00	10.20	11.00	10.20	11.00		3.50	10.20	11.00	10.20	11.00	

Mode			Channel	Frequency (MHz)	RU Size	RU Index	Default Full												Host Scenario Simultaneous 2.4G+BT 2.4G+5G						Host Scenario 2.4G+BT 2.4G+5G+BT						Host Scenario 2.4G+WWAN 2.4G+WWAN+5G						Host Scenario 2.4G+WWAN+BT						
							Antenna												Ant 12~7						Ant 12~7						Ant 12~7						Ant 12~7						
							Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
802.11b 1Mbps	1	2412	FULL	N/A	20.70	21.00	20.60	21.00	23.66	24.0	13.68	14.50	13.80	14.50	16.75	17.5	11.76	12.50	11.76	12.50	14.77	15.5	11.26	12.00	11.26	12.00	14.28	15.0	10.21	11.00	10.25	11.00	13.24	14.0									
	6	2437	FULL	N/A	23.10	24.00	23.10	24.00	25.11	27.0	13.71	14.50	13.85	14.50	16.79	17.5	11.82	12.50	11.82	12.50	14.85	15.5	11.31	12.00	11.31	12.00	14.33	15.0	10.27	11.00	10.29	11.00	13.25	14.0									
	11	2462	FULL	N/A	20.70	21.00	20.50	21.00	23.61	24.0	13.63	14.50	13.76	14.50	16.71	17.5	11.72	12.50	11.73	12.50	14.74	15.5	11.21	12.00	11.22	12.00	14.23	15.0	10.18	11.00	10.22	11.00	13.21	14.0									
	1	2412	FULL	N/A	19.20	20.00	19.10	20.00	22.19	23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	2	2417	FULL	N/A	19.70	20.00	19.40	20.00	22.36	23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	3	2422	FULL	N/A	21.10	22.00	21.20	22.00	24.15	25.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	6	2437	FULL	N/A	23.90	25.00	23.80	25.00	26.86	28.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	9	2452	FULL	N/A	22.40	24.00	22.00	24.00	25.21	27.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	10	2457	FULL	N/A	20.30	21.00	19.90	21.00	22.97	24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	11	2462	FULL	N/A	20.10	21.00	20.00	21.00	23.08	24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
802.11a+HT20 MCS0	1	2412	FULL	N/A	20.00	20.00	20.00	20.00		23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	6	2437	FULL	N/A	25.50	25.50	25.50	25.50		28.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	9	2452	FULL	N/A	24.00	24.00	24.00	24.00		27.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	10	2457	FULL	N/A	21.00	21.00	21.00	21.00		24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	11	2462	FULL	N/A	21.00	21.00	21.00	21.00		24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	1	2412	FULL	N/A	20.00	20.00	20.00	20.00		23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	6	2437	FULL	N/A	21.50	21.50	21.50	21.50		24.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	11	2462	FULL	N/A	20.50	20.50	20.50	20.50		23.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	802.11a+VHT20 MCS0	1	2412	FULL	N/A	20.00	20.00	20.00	20.00		23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
		6	2437	FULL	N/A	21.50	21.50	21.50	21.50		24.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
11		2462	FULL	N/A	20.50	20.50	20.50	20.50		23.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
1		2412	FULL	N/A	Not Required	18.00	18.00	18.00	18.00	Not Required	21.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
2		2417	FULL	N/A	Not Required	20.00	20.00	20.00	20.00	Not Required	23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
3		2422	FULL	N/A	Not Required	22.00	22.00	22.00	22.00	Not Required	25.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
6		2437	FULL	N/A	Not Required	25.50	25.50	25.50	25.50	Not Required	28.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
9		2452	FULL	N/A	Not Required	24.00	24.00	24.00	24.00	Not Required	27.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
10		2457	FULL	N/A	Not Required	21.00	21.00	21.00	21.00	Not Required	24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
11		2462	FULL	N/A	Not Required	21.00	21.00	21.00	21.00	Not Required	24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
802.11ac-VHT40 MCS0	7	2442	FULL	N/A	20.00	20.00	20.00	20.00		23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	8	2447	FULL	N/A	20.00	20.00	20.00	20.00		23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	9	2452	FULL	N/A	18.00	18.00	18.00	18.00		21.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	1	2412	FULL	N/A	19.30	20.00	19.20	20.00	22.26	23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	2	2417	FULL	N/A	19.80	20.00	19.50	20.00	22.31	23.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	3	2422	FULL	N/A	21.10	22.00	21.20	22.00	24.01	25.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	6	2437	FULL	N/A	25.50	25.50	25.50	25.50	26.91	28.5		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
802.11ax-HE40 MCS0	6	2432	FULL	N/A	22.60	24.00	22.30	24.00	25.46	27.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	10	2457	FULL	N/A	20.40	21.00	19.70	21.00	23.07	24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
	11	2462	FULL	N/A	20.10	21.00	19.80	21.00	22.96	24.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0									
		1	2412	FULL	N/A	19.40	20.00	19.30	20.00	21.37	22.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
		2	2417	FULL	N/A	19.90	20.00	19.60	20.00	21.37	22.0		14.50		14.50		17.5		12.50		12.50		15.5		12.00		12.00		15.0		11.00		11.00		14.0								
	3	2422	FULL	N/A	21.74	22.00	21.41																																				

[illegible]

*PLAN SGP01

Mode	Channel	Frequency (MHz)	RU Size	RU Index	Default of	Test Measurement				Test Measurement				Test Measurement				Test Measurement					
						Ant 5		Ant 6		Ant 5+6		Ant 9		Ant 5		Ant 6		Ant 5+6		Ant 9			
						Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	36	5180	Fdd	N/A	14.63	16.50	14.26	16.50	17.73	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
		40	5200	Fdd	N/A	14.61	16.50	14.79	16.50	17.71	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
		44	5220	Fdd	N/A	14.18	16.50	14.58	16.50	17.39	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
		48	5240	Fdd	N/A	13.87	16.50	14.24	16.50	16.87	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
	802.11a-HT20 MCS0	36	5180	Fdd	N/A	14.65	16.50	14.62	16.50	17.75	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
		40	5200	Fdd	N/A	14.02	16.50	14.52	16.50	17.73	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
		44	5220	Fdd	N/A	14.14	16.50	14.52	16.50	17.37	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
		48	5240	Fdd	N/A	13.62	16.50	14.21	16.50	16.94	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
	802.11a-HT40 MCS0	36	5180	Fdd	N/A	13.01	14.50	13.52	14.50	16.03	17.5	13.01	14.50	13.02	14.50	16.20	17.5	13.50	16.5	9.50	16.5	12.5	16.5
		40	5200	Fdd	N/A	14.02	16.50	14.41	16.50	17.23	16.5	14.02	16.50	14.11	16.50	17.25	16.5	14.52	16.5	9.50	16.5	12.5	16.5
		44	5220	Fdd	N/A	14.64	16.50	14.61	16.50	17.74	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
		48	5240	Fdd	N/A	14.81	16.50	14.63	16.50	17.72	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5	
802.11a-HT20 MCS0	44	5220	Fdd	N/A	14.12	16.50	14.55	16.50	17.35	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
	48	5240	Fdd	N/A	13.60	16.50	14.20	16.50	16.90	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
	52	5260	Fdd	N/A	13.01	14.50	13.01	14.50	16.02	17.5	14.00	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	14.91	16.50	14.40	16.50	17.22	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
802.11a-HT40 MCS0	44	5220	Fdd	N/A	13.11	14.50	12.18	14.50	15.15	17.0	14.00	14.50	17.0	13.50	16.5	17.0	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	14.68	16.50	14.57	16.50	17.75	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
	52	5260	Fdd	N/A	14.68	16.50	14.67	16.50	17.75	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
	48	5240	Fdd	N/A	14.91	16.50	14.40	16.50	17.22	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
802.11a-HE20 MCS0	36	5180	2T2R	RU01	8.72	8.50	7.29	8.50	10.02	11.5	Not Required	Not Required	Not Required	11.5	8.50	11.5	8.50	11.5	8.50	11.5	8.50	11.5	
	40	5200	2T2R	RU02	8.82	11.50	10.20	11.50	10.07	14.5	11.50	11.50	14.5	11.50	14.5	11.50	14.5	9.50	16.5	9.50	16.5		
	44	5220	2T2R	RU03	12.88	14.50	13.46	14.50	16.20	17.5	14.50	14.50	17.5	14.50	17.5	13.50	16.5	9.50	16.5	12.5	16.5		
	48	5240	2T2R	RU04	14.64	16.50	14.46	16.50	17.76	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
802.11a-HE40 MCS0	44	5220	Fdd	N/A	14.17	16.50	14.64	16.50	17.42	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
	48	5240	Fdd	N/A	13.68	16.50	14.26	16.50	16.98	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
	52	5260	Fdd	N/A	13.02	14.50	13.03	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	14.03	16.50	14.45	16.50	17.25	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
802.11a-HE80 MCS0	44	5220	Fdd	N/A	13.02	14.50	13.03	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.04	16.50	17.25	16.5	15.50	16.50	16.5	13.50	16.5	13.50	16.5	9.50	16.5	12.5	16.5		
	52	5260	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
802.11a-HE160 MCS0	44	5220	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	52	5260	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
802.11a-HE320 MCS0	44	5220	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	52	5260	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
802.11a-HE640 MCS0	44	5220	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	52	5260	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
802.11a-HE1280 MCS0	44	5220	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	52	5260	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	
	48	5240	Fdd	N/A	13.02	14.50	13.02	14.50	16.03	17.5	14.50	14.50	17.5	13.50	16.5	17.5	13.50	16.5	9.50	16.5	12.5	16.5	

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