

Ant 0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.20	31.85	33.50	23.15	23.20	22.85	24.50
GPRS 1 Tx slot	32.18	32.22	31.86	33.50	23.18	23.22	22.86	24.50
GPRS 2 Tx slots	31.14	31.12	30.80	32.50	25.14	25.12	24.80	26.50
GPRS 3 Tx slots	29.04	29.11	29.03	30.50	24.78	24.85	24.77	26.24
GPRS 4 Tx slots	27.77	28.00	27.60	29.50	24.77	25.00	24.60	26.50
EDGE 1 Tx slot	25.62	25.59	25.53	27.50	16.62	16.59	16.53	18.50
EDGE 2 Tx slots	25.56	25.55	25.30	27.00	19.56	19.55	19.30	21.00
EDGE 3 Tx slots	23.60	23.79	23.44	25.00	19.34	19.53	19.18	20.74
EDGE 4 Tx slots	21.76	21.80	21.52	23.00	18.76	18.80	18.52	20.00
Ant 2								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.16	29.31	29.70	30.50	20.16	20.31	20.70	21.50
GPRS 1 Tx slot	29.17	29.36	29.72	30.50	20.17	20.36	20.72	21.50
GPRS 2 Tx slots	28.51	29.00	28.72	29.70	22.51	23.00	22.72	23.70
GPRS 3 Tx slots	27.04	27.21	27.20	28.00	22.78	22.95	22.94	23.74
GPRS 4 Tx slots	26.17	26.00	26.37	27.00	23.17	23.00	23.37	24.00
EDGE 1 Tx slot	25.53	25.80	25.80	26.50	16.53	16.80	16.80	17.50
EDGE 2 Tx slots	24.91	25.30	25.21	26.00	18.91	19.30	19.21	20.00
EDGE 3 Tx slots	23.67	24.19	23.96	25.00	19.41	19.93	19.70	20.74
EDGE 4 Tx slots	22.96	23.31	23.20	24.00	19.96	20.31	20.20	21.00

Ant 1								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.47	31.31	31.04	32.20	22.47	22.31	22.04	23.20
GPRS 1 Tx slot	31.51	31.34	31.08	32.20	22.51	22.34	22.08	23.20
GPRS 2 Tx slots	30.46	30.22	30.20	31.20	24.46	24.22	24.20	25.20
GPRS 3 Tx slots	28.37	28.16	28.05	29.20	24.11	23.90	23.79	24.94
GPRS 4 Tx slots	27.31	27.07	27.01	28.20	24.31	24.07	24.01	25.20
EDGE 1 Tx slot	24.93	24.90	24.60	26.50	15.93	15.90	15.60	17.50
EDGE 2 Tx slots	24.64	24.70	24.50	26.00	18.64	18.70	18.50	20.00
EDGE 3 Tx slots	22.91	22.83	22.86	24.00	18.65	18.57	18.60	19.74
EDGE 4 Tx slots	21.01	21.10	20.74	22.00	18.01	18.10	17.74	19.00
Ant 0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.00	29.20	29.39	30.20	20.00	20.20	20.39	21.20
GPRS 1 Tx slot	29.13	29.37	29.56	30.20	20.13	20.37	20.56	21.20
GPRS 2 Tx slots	28.50	28.78	28.68	29.70	22.50	22.78	22.68	23.70
GPRS 3 Tx slots	26.80	27.23	27.05	27.70	22.54	22.97	22.79	23.44
GPRS 4 Tx slots	25.51	25.84	25.63	26.70	22.51	22.84	22.63	23.70
EDGE 1 Tx slot	25.56	25.67	25.66	26.50	16.56	16.67	16.66	17.50
EDGE 2 Tx slots	24.74	24.95	25.06	26.00	18.74	18.95	19.06	20.00
EDGE 3 Tx slots	23.52	23.76	23.76	25.00	19.26	19.50	19.50	20.74
EDGE 4 Tx slots	22.59	22.89	22.55	24.00	19.59	19.89	19.55	21.00

		Ant 0						
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		128	189	251		128	189	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		32.15	32.20	31.85	33.50	23.15	23.20	22.85
GPRS 1 Tx slot		32.18	32.22	31.86	33.50	23.18	23.22	22.86
GPRS 2 Tx slots		31.14	31.12	30.80	32.50	25.14	25.12	24.80
GPRS 3 Tx slots		29.04	29.11	29.03	30.50	24.78	24.85	24.77
GPRS 4 Tx slots		27.77	28.00	27.60	29.50	24.77	25.00	24.60
EDGE 1 Tx slot		25.62	25.59	25.53	27.50	16.62	16.59	16.53
EDGE 2 Tx slots		25.56	25.55	25.30	27.00	19.56	19.55	19.30
EDGE 3 Tx slots		23.60	23.79	23.44	25.00	19.34	19.53	19.18
EDGE 4 Tx slots		21.76	21.80	21.52	23.00	18.76	18.80	18.52
		Ant 2						
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		512	661	810		512	661	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM 1 Tx slot		29.16	29.31	29.70	30.50	20.16	20.31	20.70
GPRS 1 Tx slot		29.17	29.36	29.72	30.50	20.17	20.36	20.72
GPRS 2 Tx slots		28.51	29.00	28.72	29.70	22.51	23.00	22.72
GPRS 3 Tx slots		27.04	27.21	27.20	28.00	22.78	22.95	22.94
GPRS 4 Tx slots		26.17	26.00	26.37	27.00	23.17	23.00	23.37
EDGE 1 Tx slot		25.53	25.80	25.80	26.50	16.53	16.80	16.80
EDGE 2 Tx slots		24.91	25.30	25.21	26.00	18.91	19.30	19.21
EDGE 3 Tx slots		23.67	24.19	23.96	25.00	19.41	19.93	19.70
EDGE 4 Tx slots		22.96	23.31	23.20	24.00	19.96	20.31	20.20

Ant 1								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.47	31.31	31.04	32.20	22.47	22.31	22.04	23.20
GPRS 1 Tx slot	31.51	31.34	31.08	32.20	22.51	22.34	22.08	23.20
GPRS 2 Tx slots	30.46	30.22	30.20	31.20	24.46	24.22	24.20	25.20
GPRS 3 Tx slots	28.37	28.16	28.05	29.20	24.11	23.90	23.79	24.94
GPRS 4 Tx slots	27.38	27.27	27.36	28.20	24.38	24.27	24.36	25.20
EDGE 1 Tx slot	24.93	24.90	24.60	26.50	15.93	15.90	15.60	17.50
EDGE 2 Tx slots	24.64	24.70	24.50	26.00	18.64	18.70	18.50	20.00
EDGE 3 Tx slots	22.91	22.83	22.86	24.00	18.65	18.57	18.60	19.74
EDGE 4 Tx slots	21.01	21.10	20.74	22.00	18.01	18.10	17.74	19.00
Ant 0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.00	29.20	29.39	30.20	20.00	20.20	20.39	21.20
GPRS 1 Tx slot	29.13	29.37	29.56	30.20	20.13	20.37	20.56	21.20
GPRS 2 Tx slots	28.50	28.78	28.68	29.70	22.50	22.78	22.68	23.70
GPRS 3 Tx slots	26.80	27.23	27.05	27.70	22.54	22.97	22.79	23.44
GPRS 4 Tx slots	25.51	25.84	25.63	26.70	22.51	22.84	22.63	23.70
EDGE 1 Tx slot	25.56	25.67	25.66	26.50	16.56	16.67	16.66	17.50
EDGE 2 Tx slots	24.74	24.95	25.06	26.00	18.74	18.95	19.06	20.00
EDGE 3 Tx slots	23.52	23.76	23.76	25.00	19.26	19.50	19.50	20.74
EDGE 4 Tx slots	22.59	22.89	22.55	24.00	19.59	19.89	19.55	21.00

Ant 0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.20	31.85	33.50	23.15	23.20	22.85	24.50
GPRS 1 Tx slot	32.18	32.22	31.86	33.50	23.18	23.22	22.86	24.50
GPRS 2 Tx slots	31.14	31.12	30.80	32.50	25.14	25.12	24.80	26.50
GPRS 3 Tx slots	29.04	29.11	29.03	30.50	24.78	24.85	24.77	26.24
GPRS 4 Tx slots	27.77	28.00	27.60	29.50	24.77	25.00	24.60	26.50
EDGE 1 Tx slot	25.62	25.59	25.53	27.50	16.62	16.59	16.53	18.50
EDGE 2 Tx slots	25.56	25.55	25.30	27.00	19.56	19.55	19.30	21.00
EDGE 3 Tx slots	23.60	23.79	23.44	25.00	19.34	19.53	19.18	20.74
EDGE 4 Tx slots	21.76	21.80	21.52	23.00	18.76	18.80	18.52	20.00
Ant 2								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.16	29.31	29.70	30.50	20.16	20.31	20.70	21.50
GPRS 1 Tx slot	29.17	29.36	29.72	30.50	20.17	20.36	20.72	21.50
GPRS 2 Tx slots	28.51	29.00	28.72	29.70	22.51	23.00	22.72	23.70
GPRS 3 Tx slots	27.04	27.21	27.20	28.00	22.78	22.95	22.94	23.74
GPRS 4 Tx slots	26.17	26.00	26.37	27.00	23.17	23.00	23.37	24.00
EDGE 1 Tx slot	25.53	25.80	25.80	26.50	16.53	16.80	16.80	17.50
EDGE 2 Tx slots	24.91	25.30	25.21	26.00	18.91	19.30	19.21	20.00
EDGE 3 Tx slots	23.67	24.19	23.96	25.00	19.41	19.93	19.70	20.74
EDGE 4 Tx slots	22.96	23.31	23.20	24.00	19.96	20.31	20.20	21.00

Ant 1								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.47	31.31	31.04	32.20	22.47	22.31	22.04	23.20
GPRS 1 Tx slot	31.51	31.34	31.08	32.20	22.51	22.34	22.08	23.20
GPRS 2 Tx slots	30.46	30.22	30.20	31.20	24.46	24.22	24.20	25.20
GPRS 3 Tx slots	28.37	28.16	28.05	29.20	24.11	23.90	23.79	24.94
GPRS 4 Tx slots	27.38	27.27	27.36	28.20	24.38	24.27	24.36	25.20
EDGE 1 Tx slot	24.93	24.90	24.60	26.50	15.93	15.90	15.60	17.50
EDGE 2 Tx slots	24.64	24.70	24.50	26.00	18.64	18.70	18.50	20.00
EDGE 3 Tx slots	22.91	22.83	22.86	24.00	18.65	18.57	18.60	19.74
EDGE 4 Tx slots	21.01	21.10	20.74	22.00	18.01	18.10	17.74	19.00
Ant 0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.00	29.20	29.39	30.20	20.00	20.20	20.39	21.20
GPRS 1 Tx slot	29.13	29.37	29.56	30.20	20.13	20.37	20.56	21.20
GPRS 2 Tx slots	28.50	28.78	28.68	29.70	22.50	22.78	22.68	23.70
GPRS 3 Tx slots	26.80	27.23	27.05	27.70	22.54	22.97	22.79	23.44
GPRS 4 Tx slots	25.51	25.84	25.63	26.70	22.51	22.84	22.63	23.70
EDGE 1 Tx slot	25.56	25.67	25.66	26.50	16.56	16.67	16.66	17.50
EDGE 2 Tx slots	24.74	24.95	25.06	26.00	18.74	18.95	19.06	20.00
EDGE 3 Tx slots	23.52	23.76	23.76	25.00	19.26	19.50	19.50	20.74
EDGE 4 Tx slots	22.59	22.89	22.55	24.00	19.59	19.89	19.55	21.00

Ant 0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.20	31.85	33.50	23.15	23.20	22.85	24.50
GPRS 1 Tx slot	32.18	32.22	31.86	33.50	23.18	23.22	22.86	24.50
GPRS 2 Tx slots	31.14	31.12	30.80	32.50	25.14	25.12	24.80	26.50
GPRS 3 Tx slots	29.04	29.11	29.03	30.50	24.78	24.85	24.77	26.24
GPRS 4 Tx slots	27.77	28.00	27.60	29.50	24.77	25.00	24.60	26.50
EDGE 1 Tx slot	25.62	25.59	25.53	27.50	16.62	16.59	16.53	18.50
EDGE 2 Tx slots	25.56	25.55	25.30	27.00	19.56	19.55	19.30	21.00
EDGE 3 Tx slots	23.60	23.79	23.44	25.00	19.34	19.53	19.18	20.74
EDGE 4 Tx slots	21.76	21.80	21.52	23.00	18.76	18.80	18.52	20.00
Ant 2								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.16	29.31	29.70	30.50	20.16	20.31	20.70	21.50
GPRS 1 Tx slot	29.17	29.36	29.72	30.50	20.17	20.36	20.72	21.50
GPRS 2 Tx slots	28.51	29.00	28.72	29.70	22.51	23.00	22.72	23.70
GPRS 3 Tx slots	27.04	27.21	27.20	28.00	22.78	22.95	22.94	23.74
GPRS 4 Tx slots	26.17	26.00	26.37	27.00	23.17	23.00	23.37	24.00
EDGE 1 Tx slot	25.53	25.80	25.80	26.50	16.53	16.80	16.80	17.50
EDGE 2 Tx slots	24.91	25.30	25.21	26.00	18.91	19.30	19.21	20.00
EDGE 3 Tx slots	23.67	24.19	23.96	25.00	19.41	19.93	19.70	20.74
EDGE 4 Tx slots	22.96	23.31	23.20	24.00	19.96	20.31	20.20	21.00

Ant 1								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.47	31.31	31.04	32.20	22.47	22.31	22.04	23.20
GPRS 1 Tx slot	31.51	31.34	31.08	32.20	22.51	22.34	22.08	23.20
GPRS 2 Tx slots	30.46	30.22	30.20	31.20	24.46	24.22	24.20	25.20
GPRS 3 Tx slots	28.37	28.16	28.05	29.20	24.11	23.90	23.79	24.94
GPRS 4 Tx slots	27.38	27.27	27.36	28.20	24.38	24.27	24.36	25.20
EDGE 1 Tx slot	24.93	24.90	24.60	26.50	15.93	15.90	15.60	17.50
EDGE 2 Tx slots	24.64	24.70	24.50	26.00	18.64	18.70	18.50	20.00
EDGE 3 Tx slots	22.91	22.83	22.86	24.00	18.65	18.57	18.60	19.74
EDGE 4 Tx slots	21.01	21.10	20.74	22.00	18.01	18.10	17.74	19.00
Ant 0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.00	29.20	29.39	30.20	20.00	20.20	20.39	21.20
GPRS 1 Tx slot	29.13	29.37	29.56	30.20	20.13	20.37	20.56	21.20
GPRS 2 Tx slots	28.50	28.78	28.68	29.70	22.50	22.78	22.68	23.70
GPRS 3 Tx slots	26.80	27.23	27.05	27.70	22.54	22.97	22.79	23.44
GPRS 4 Tx slots	25.51	25.84	25.63	26.70	22.51	22.84	22.63	23.70
EDGE 1 Tx slot	25.56	25.67	25.66	26.50	16.56	16.67	16.66	17.50
EDGE 2 Tx slots	24.74	24.95	25.06	26.00	18.74	18.95	19.06	20.00
EDGE 3 Tx slots	23.52	23.76	23.76	25.00	19.26	19.50	19.50	20.74
EDGE 4 Tx slots	22.59	22.89	22.55	24.00	19.59	19.89	19.55	21.00

Ant 0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.20	31.85	33.50	23.15	23.20	22.85	24.50
GPRS 1 Tx slot	32.18	32.22	31.86	33.50	23.18	23.22	22.86	24.50
GPRS 2 Tx slots	31.14	31.12	30.80	32.50	25.14	25.12	24.80	26.50
GPRS 3 Tx slots	29.04	29.11	29.03	30.50	24.78	24.85	24.77	26.24
GPRS 4 Tx slots	27.77	28.00	27.60	29.50	24.77	25.00	24.60	26.50
EDGE 1 Tx slot	25.62	25.59	25.53	27.50	16.62	16.59	16.53	18.50
EDGE 2 Tx slots	25.56	25.55	25.30	27.00	19.56	19.55	19.30	21.00
EDGE 3 Tx slots	23.60	23.79	23.44	25.00	19.34	19.53	19.18	20.74
EDGE 4 Tx slots	21.76	21.80	21.52	23.00	18.76	18.80	18.52	20.00
Ant 2								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.16	29.31	29.70	30.50	20.16	20.31	20.70	21.50
GPRS 1 Tx slot	29.17	29.36	29.72	30.50	20.17	20.36	20.72	21.50
GPRS 2 Tx slots	28.51	29.00	28.72	29.70	22.51	23.00	22.72	23.70
GPRS 3 Tx slots	27.04	27.21	27.20	28.00	22.78	22.95	22.94	23.74
GPRS 4 Tx slots	26.17	26.00	26.37	27.00	23.17	23.00	23.37	24.00
EDGE 1 Tx slot	25.53	25.80	25.80	26.50	16.53	16.80	16.80	17.50
EDGE 2 Tx slots	24.91	25.30	25.21	26.00	18.91	19.30	19.21	20.00
EDGE 3 Tx slots	23.67	24.19	23.96	25.00	19.41	19.93	19.70	20.74
EDGE 4 Tx slots	22.96	23.31	23.20	24.00	19.96	20.31	20.20	21.00

Ant 1								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.47	31.31	31.04	32.20	22.47	22.31	22.04	23.20
GPRS 1 Tx slot	31.51	31.34	31.08	32.20	22.51	22.34	22.08	23.20
GPRS 2 Tx slots	30.46	30.22	30.20	31.20	24.46	24.22	24.20	25.20
GPRS 3 Tx slots	28.37	28.16	28.05	29.20	24.11	23.90	23.79	24.94
GPRS 4 Tx slots	27.38	27.27	27.36	28.20	24.38	24.27	24.36	25.20
EDGE 1 Tx slot	24.93	24.90	24.60	26.50	15.93	15.90	15.60	17.50
EDGE 2 Tx slots	24.64	24.70	24.50	26.00	18.64	18.70	18.50	20.00
EDGE 3 Tx slots	22.91	22.83	22.86	24.00	18.65	18.57	18.60	19.74
EDGE 4 Tx slots	21.01	21.10	20.74	22.00	18.01	18.10	17.74	19.00
Ant 0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.00	29.20	29.39	30.20	20.00	20.20	20.39	21.20
GPRS 1 Tx slot	29.13	29.37	29.56	30.20	20.13	20.37	20.56	21.20
GPRS 2 Tx slots	28.50	28.78	28.68	29.70	22.50	22.78	22.68	23.70
GPRS 3 Tx slots	26.80	27.23	27.05	27.70	22.54	22.97	22.79	23.44
GPRS 4 Tx slots	25.51	25.84	25.63	26.70	22.51	22.84	22.63	23.70
EDGE 1 Tx slot	25.56	25.67	25.66	26.50	16.56	16.67	16.66	17.50
EDGE 2 Tx slots	24.74	24.95	25.06	26.00	18.74	18.95	19.06	20.00
EDGE 3 Tx slots	23.52	23.76	23.76	25.00	19.26	19.50	19.50	20.74
EDGE 4 Tx slots	22.59	22.89	22.55	24.00	19.59	19.89	19.55	21.00

Ant 0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.20	31.85	33.50	23.15	23.20	22.85	24.50
GPRS 1 Tx slot	32.18	32.22	31.86	33.50	23.18	23.22	22.86	24.50
GPRS 2 Tx slots	31.14	31.12	30.80	32.50	25.14	25.12	24.80	26.50
GPRS 3 Tx slots	29.04	29.11	29.03	30.50	24.78	24.85	24.77	26.24
GPRS 4 Tx slots	27.77	28.00	27.60	29.50	24.77	25.00	24.60	26.50
EDGE 1 Tx slot	25.62	25.59	25.53	27.50	16.62	16.59	16.53	18.50
EDGE 2 Tx slots	25.56	25.55	25.30	27.00	19.56	19.55	19.30	21.00
EDGE 3 Tx slots	23.60	23.79	23.44	25.00	19.34	19.53	19.18	20.74
EDGE 4 Tx slots	21.76	21.80	21.52	23.00	18.76	18.80	18.52	20.00
Ant 2								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.16	29.31	29.70	30.50	20.16	20.31	20.70	21.50
GPRS 1 Tx slot	29.17	29.36	29.72	30.50	20.17	20.36	20.72	21.50
GPRS 2 Tx slots	28.51	29.00	28.72	29.70	22.51	23.00	22.72	23.70
GPRS 3 Tx slots	27.04	27.21	27.20	28.00	22.78	22.95	22.94	23.74
GPRS 4 Tx slots	26.17	26.00	26.37	27.00	23.17	23.00	23.37	24.00
EDGE 1 Tx slot	25.53	25.80	25.80	26.50	16.53	16.80	16.80	17.50
EDGE 2 Tx slots	24.91	25.30	25.21	26.00	18.91	19.30	19.21	20.00
EDGE 3 Tx slots	23.67	24.19	23.96	25.00	19.41	19.93	19.70	20.74
EDGE 4 Tx slots	22.96	23.31	23.20	24.00	19.96	20.31	20.20	21.00

Ant 1								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.47	31.31	31.04	32.20	22.47	22.31	22.04	23.20
GPRS 1 Tx slot	31.51	31.34	31.08	32.20	22.51	22.34	22.08	23.20
GPRS 2 Tx slots	30.46	30.22	30.20	31.20	24.46	24.22	24.20	25.20
GPRS 3 Tx slots	28.37	28.16	28.05	29.20	24.11	23.90	23.79	24.94
GPRS 4 Tx slots	27.38	27.27	27.36	28.20	24.38	24.27	24.36	25.20
EDGE 1 Tx slot	24.93	24.90	24.60	26.50	15.93	15.90	15.60	17.50
EDGE 2 Tx slots	24.64	24.70	24.50	26.00	18.64	18.70	18.50	20.00
EDGE 3 Tx slots	22.91	22.83	22.86	24.00	18.65	18.57	18.60	19.74
EDGE 4 Tx slots	21.01	21.10	20.74	22.00	18.01	18.10	17.74	19.00
Ant 0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.00	29.20	29.39	30.20	20.00	20.20	20.39	21.20
GPRS 1 Tx slot	29.13	29.37	29.56	30.20	20.13	20.37	20.56	21.20
GPRS 2 Tx slots	28.50	28.78	28.68	29.70	22.50	22.78	22.68	23.70
GPRS 3 Tx slots	26.80	27.23	27.05	27.70	22.54	22.97	22.79	23.44
GPRS 4 Tx slots	25.51	25.84	25.63	26.70	22.51	22.84	22.63	23.70
EDGE 1 Tx slot	25.56	25.67	25.66	26.50	16.56	16.67	16.66	17.50
EDGE 2 Tx slots	24.74	24.95	25.06	26.00	18.74	18.95	19.06	20.00
EDGE 3 Tx slots	23.52	23.76	23.76	25.00	19.26	19.50	19.50	20.74
EDGE 4 Tx slots	22.59	22.89	22.55	24.00	19.59	19.89	19.55	21.00

		Ant 2				Ant 2				Ant 0				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312 1413 1513				4132 4182 4233				
Rx Channel		9662	9800	9938		1537 1638 1738				4357 4407 4458				
Frequency (MHz)		1852.4	1880	1907.6		1712.4 1732.6 1752.6				826.4 836.4 846.6				
3GPP Rel 99	AMR 12.2Kbps	24.56	24.76	24.90	25.70	24.75	24.81	24.79	25.70	24.02	24.16	24.10	25.70	
3GPP Rel 99	RMC 12.2Kbps	24.59	24.77	24.92	25.70	24.77	24.87	24.81	25.70	24.08	24.17	24.16	25.70	
3GPP Rel 6	HSDPA Subtest-1	23.50	24.48	23.85	24.70	23.83	23.60	23.47	24.70	23.09	23.22	23.21	24.70	
3GPP Rel 6	HSDPA Subtest-2	23.44	24.42	23.80	24.70	23.82	23.57	23.51	24.70	23.10	23.23	23.26	24.70	
3GPP Rel 6	HSDPA Subtest-3	22.99	23.99	23.33	24.20	23.37	23.11	23.04	24.20	22.64	22.73	22.70	24.20	
3GPP Rel 6	HSDPA Subtest-4	22.99	23.91	23.29	24.20	23.28	23.11	23.04	24.20	22.61	22.76	22.67	24.20	
3GPP Rel 8	DC-HSDPA Subtest-1	23.43	24.39	23.79	24.70	23.76	23.55	23.46	24.70	22.99	23.22	23.16	24.70	
3GPP Rel 8	DC-HSDPA Subtest-2	23.34	24.37	23.72	24.70	23.80	23.55	23.49	24.70	23.02	23.17	23.20	24.70	
3GPP Rel 8	DC-HSDPA Subtest-3	22.90	23.99	23.26	24.20	23.28	23.02	22.98	24.20	22.58	22.66	22.64	24.20	
3GPP Rel 8	DC-HSDPA Subtest-4	22.94	23.87	23.26	24.20	23.25	23.10	22.98	24.20	22.54	22.76	22.57	24.20	
3GPP Rel 6	HSUPA Subtest-1	23.42	24.45	23.86	24.70	23.81	23.62	23.57	24.70	23.11	23.17	23.20	24.70	
3GPP Rel 6	HSUPA Subtest-2	21.44	22.45	21.81	22.70	21.80	21.54	21.49	22.70	21.15	21.19	21.21	22.70	
3GPP Rel 6	HSUPA Subtest-3	22.47	23.50	22.81	23.70	22.86	22.59	22.51	23.70	22.15	22.17	22.19	23.70	
3GPP Rel 6	HSUPA Subtest-4	21.45	22.43	21.82	22.70	21.87	21.56	21.52	22.70	21.13	21.23	21.19	22.70	
3GPP Rel 6	HSUPA Subtest-5	23.47	24.40	23.79	24.70	23.87	23.56	23.57	24.70	23.15	23.17	23.19	24.70	

		Ant 0			Ant 0			Ant 1					
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.70	23.90	23.97	25.50	23.88	23.92	23.87	25.50	23.53	23.60	23.47	25.00
3GPP Rel 99	RMC 12.2Kbps	23.75	23.79	23.98	25.50	23.89	24.01	23.97	25.50	23.57	23.62	23.57	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.99	23.08	24.50	23.02	23.07	23.04	24.50	22.66	22.73	22.63	24.00
3GPP Rel 6	HSDPA Subtest-2	22.81	22.96	22.81	24.50	23.03	23.06	22.98	24.50	22.69	22.68	22.65	24.00
3GPP Rel 6	HSDPA Subtest-3	22.33	22.45	22.59	24.00	22.51	22.58	22.51	24.00	22.17	21.87	22.16	23.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.45	22.60	24.00	22.53	22.55	22.49	24.00	22.15	22.20	22.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.83	22.98	23.07	24.50	22.93	23.02	23.04	24.50	22.57	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.73	22.91	22.81	24.50	22.95	23.01	22.90	24.50	22.64	22.65	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.35	22.51	24.00	22.44	22.48	22.42	24.00	22.16	21.81	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.26	22.43	22.53	24.00	22.50	22.47	22.40	24.00	22.11	22.15	22.14	23.50
3GPP Rel 6	HSUPA Subtest-1	22.82	23.03	23.07	24.50	23.05	23.11	23.00	24.50	22.62	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-2	20.84	20.98	21.06	22.50	21.01	21.07	21.04	22.50	20.62	20.73	20.69	22.00
3GPP Rel 6	HSUPA Subtest-3	21.83	21.97	22.07	23.50	22.04	22.04	21.97	23.50	21.62	21.69	21.62	23.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.92	21.07	22.50	21.07	21.08	20.98	22.50	20.64	20.72	20.63	22.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.90	23.10	24.50	23.00	23.10	23.00	24.50	22.60	22.70	22.60	24.00

Band		Ant 2				Ant 2				Ant 0			
		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.56	24.76	24.90	25.70	24.75	24.81	24.79	25.70	24.02	24.16	24.10	25.70
3GPP Rel 99	RMC 12.2Kbps	24.59	24.77	24.92	25.70	24.77	24.87	24.81	25.70	24.08	24.17	24.16	25.70
3GPP Rel 6	HSDPA Subtest-1	23.50	24.48	23.85	24.70	23.83	23.60	23.47	24.70	23.09	23.22	23.21	24.70
3GPP Rel 6	HSDPA Subtest-2	23.44	24.42	23.80	24.70	23.82	23.57	23.51	24.70	23.10	23.23	23.26	24.70
3GPP Rel 6	HSDPA Subtest-3	22.99	23.99	23.33	24.20	23.37	23.11	23.04	24.20	22.64	22.73	22.70	24.20
3GPP Rel 6	HSDPA Subtest-4	22.99	23.91	23.29	24.20	23.28	23.11	23.04	24.20	22.61	22.76	22.67	24.20
3GPP Rel 8	DC-HSDPA Subtest-1	23.43	24.39	23.79	24.70	23.76	23.55	23.46	24.70	22.99	23.22	23.16	24.70
3GPP Rel 8	DC-HSDPA Subtest-2	23.34	24.37	23.72	24.70	23.80	23.55	23.49	24.70	23.02	23.17	23.20	24.70
3GPP Rel 8	DC-HSDPA Subtest-3	22.90	23.99	23.26	24.20	23.28	23.02	22.98	24.20	22.58	22.66	22.64	24.20
3GPP Rel 8	DC-HSDPA Subtest-4	22.94	23.87	23.26	24.20	23.25	23.10	22.98	24.20	22.54	22.76	22.57	24.20
3GPP Rel 6	HSUPA Subtest-1	23.42	24.45	23.86	24.70	23.81	23.62	23.57	24.70	23.11	23.17	23.20	24.70
3GPP Rel 6	HSUPA Subtest-2	21.44	22.45	21.81	22.70	21.80	21.54	21.49	22.70	21.15	21.19	21.21	22.70
3GPP Rel 6	HSUPA Subtest-3	22.47	23.50	22.81	23.70	22.86	22.59	22.51	23.70	22.15	22.17	22.19	23.70
3GPP Rel 6	HSUPA Subtest-4	21.45	22.43	21.82	22.70	21.87	21.56	21.52	22.70	21.13	21.23	21.19	22.70
3GPP Rel 6	HSUPA Subtest-5	23.47	24.40	23.79	24.70	23.87	23.56	23.57	24.70	23.15	23.17	23.19	24.70

Band		Ant 0				Ant 0				Ant 1			
		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.70	23.90	23.97	25.50	23.88	23.92	23.87	25.50	23.53	23.60	23.47	25.00
3GPP Rel 99	RMC 12.2Kbps	23.75	23.79	23.98	25.50	23.89	24.01	23.97	25.50	23.57	23.62	23.57	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.99	23.08	24.50	23.02	23.07	23.04	24.50	22.66	22.73	22.63	24.00
3GPP Rel 6	HSDPA Subtest-2	22.81	22.96	22.81	24.50	23.03	23.06	22.98	24.50	22.69	22.68	22.65	24.00
3GPP Rel 6	HSDPA Subtest-3	22.33	22.45	22.59	24.00	22.51	22.58	22.51	24.00	22.17	21.87	22.16	23.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.45	22.60	24.00	22.53	22.55	22.49	24.00	22.15	22.20	22.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.83	22.98	23.07	24.50	22.93	23.02	23.04	24.50	22.57	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.73	22.91	22.81	24.50	22.95	23.01	22.90	24.50	22.64	22.65	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.35	22.51	24.00	22.44	22.48	22.42	24.00	22.16	21.81	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.26	22.43	22.53	24.00	22.50	22.47	22.40	24.00	22.11	22.15	22.14	23.50
3GPP Rel 6	HSUPA Subtest-1	22.82	23.03	23.07	24.50	23.05	23.11	23.00	24.50	22.62	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-2	20.84	20.98	21.06	22.50	21.01	21.07	21.04	22.50	20.62	20.73	20.69	22.00
3GPP Rel 6	HSUPA Subtest-3	21.83	21.97	22.07	23.50	22.04	22.04	21.97	23.50	21.62	21.69	21.62	23.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.92	21.07	22.50	21.07	21.08	20.98	22.50	20.64	20.72	20.63	22.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.90	23.10	24.50	23.00	23.10	23.00	24.50	22.60	22.70	22.60	24.00

		Ant 2			Ant 2				Ant 0				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.56	24.76	24.90	25.70	24.75	24.81	24.79	25.70	24.02	24.16	24.10	25.70
3GPP Rel 99	RMC 12.2Kbps	24.59	24.77	24.92	25.70	24.77	24.87	24.81	25.70	24.08	24.17	24.16	25.70
3GPP Rel 6	HSDPA Subtest-1	23.50	24.48	23.85	24.70	23.83	23.60	23.47	24.70	23.09	23.22	23.21	24.70
3GPP Rel 6	HSDPA Subtest-2	23.44	24.42	23.80	24.70	23.82	23.57	23.51	24.70	23.10	23.23	23.26	24.70
3GPP Rel 6	HSDPA Subtest-3	22.99	23.99	23.33	24.20	23.37	23.11	23.04	24.20	22.64	22.73	22.70	24.20
3GPP Rel 6	HSDPA Subtest-4	22.99	23.91	23.29	24.20	23.28	23.11	23.04	24.20	22.61	22.76	22.67	24.20
3GPP Rel 8	DC-HSDPA Subtest-1	23.43	24.39	23.79	24.70	23.76	23.55	23.46	24.70	22.99	23.22	23.16	24.70
3GPP Rel 8	DC-HSDPA Subtest-2	23.34	24.37	23.72	24.70	23.80	23.55	23.49	24.70	23.02	23.17	23.20	24.70
3GPP Rel 8	DC-HSDPA Subtest-3	22.90	23.99	23.26	24.20	23.28	23.02	22.98	24.20	22.58	22.66	22.64	24.20
3GPP Rel 8	DC-HSDPA Subtest-4	22.94	23.87	23.26	24.20	23.25	23.10	22.98	24.20	22.54	22.76	22.57	24.20
3GPP Rel 6	HSUPA Subtest-1	23.42	24.45	23.86	24.70	23.81	23.62	23.57	24.70	23.11	23.17	23.20	24.70
3GPP Rel 6	HSUPA Subtest-2	21.44	22.45	21.81	22.70	21.80	21.54	21.49	22.70	21.15	21.19	21.21	22.70
3GPP Rel 6	HSUPA Subtest-3	22.47	23.50	22.81	23.70	22.86	22.59	22.51	23.70	22.15	22.17	22.19	23.70
3GPP Rel 6	HSUPA Subtest-4	21.45	22.43	21.82	22.70	21.87	21.56	21.52	22.70	21.13	21.23	21.19	22.70
3GPP Rel 6	HSUPA Subtest-5	23.47	24.40	23.79	24.70	23.87	23.56	23.57	24.70	23.15	23.17	23.19	24.70

		Ant 0				Ant 0			Ant 1				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.70	23.90	23.97	25.50	23.88	23.92	23.87	25.50	23.53	23.60	23.47	25.00
3GPP Rel 99	RMC 12.2Kbps	23.75	23.79	23.98	25.50	23.89	24.01	23.97	25.50	23.57	23.62	23.57	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.99	23.08	24.50	23.02	23.07	23.04	24.50	22.66	22.73	22.63	24.00
3GPP Rel 6	HSDPA Subtest-2	22.81	22.96	22.81	24.50	23.03	23.06	22.98	24.50	22.69	22.68	22.65	24.00
3GPP Rel 6	HSDPA Subtest-3	22.33	22.45	22.59	24.00	22.51	22.58	22.51	24.00	22.17	21.87	22.16	23.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.45	22.60	24.00	22.53	22.55	22.49	24.00	22.15	22.20	22.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.83	22.98	23.07	24.50	22.93	23.02	23.04	24.50	22.57	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.73	22.91	22.81	24.50	22.95	23.01	22.90	24.50	22.64	22.65	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.35	22.51	24.00	22.44	22.48	22.42	24.00	22.16	21.81	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.26	22.43	22.53	24.00	22.50	22.47	22.40	24.00	22.11	22.15	22.14	23.50
3GPP Rel 6	HSUPA Subtest-1	22.82	23.03	23.07	24.50	23.05	23.11	23.00	24.50	22.62	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-2	20.84	20.98	21.06	22.50	21.01	21.07	21.04	22.50	20.62	20.73	20.69	22.00
3GPP Rel 6	HSUPA Subtest-3	21.83	21.97	22.07	23.50	22.04	22.04	21.97	23.50	21.62	21.69	21.62	23.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.92	21.07	22.50	21.07	21.08	20.98	22.50	20.64	20.72	20.63	22.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.90	23.10	24.50	23.00	23.10	23.00	24.50	22.60	22.70	22.60	24.00

		Ant 2				Ant 2				Ant 0			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538									
Rx Channel		9662	9800	9938									
Frequency (MHz)		1852.4	1880	1907.6									
3GPP Rel 99	AMR 12.2Kbps	24.06	24.31	24.46	25.70	23.74	23.83	23.69	25.20	24.02	24.16	24.10	25.70
3GPP Rel 99	RMC 12.2Kbps	24.13	24.37	24.49	25.70	23.75	23.84	23.76	25.20	24.08	24.17	24.16	25.70
3GPP Rel 6	HSDPA Subtest-1	23.14	23.39	23.47	24.70	22.82	22.88	22.77	24.20	23.09	23.22	23.21	24.70
3GPP Rel 6	HSDPA Subtest-2	23.15	23.39	23.50	24.70	22.80	22.86	22.77	24.20	23.10	23.23	23.26	24.70
3GPP Rel 6	HSDPA Subtest-3	22.66	22.89	22.96	24.20	22.31	22.36	22.27	23.70	22.64	22.73	22.70	24.20
3GPP Rel 6	HSDPA Subtest-4	22.64	22.89	22.98	24.20	22.30	22.40	22.26	23.70	22.61	22.76	22.67	24.20
3GPP Rel 8	DC-HSDPA Subtest-1	23.04	23.36	23.43	24.70	22.82	22.79	22.74	24.20	22.99	23.22	23.16	24.70
3GPP Rel 8	DC-HSDPA Subtest-2	23.15	23.34	23.49	24.70	22.74	22.84	22.71	24.20	23.02	23.17	23.20	24.70
3GPP Rel 8	DC-HSDPA Subtest-3	22.66	22.81	22.91	24.20	22.27	22.30	22.27	23.70	22.58	22.66	22.64	24.20
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.85	22.95	24.20	22.23	22.32	22.16	23.70	22.54	22.76	22.57	24.20
3GPP Rel 6	HSUPA Subtest-1	23.18	23.42	23.47	24.70	22.80	22.84	22.79	24.20	23.11	23.17	23.20	24.70
3GPP Rel 6	HSUPA Subtest-2	21.16	21.35	21.46	22.70	20.85	20.92	20.77	22.20	21.15	21.19	21.21	22.70
3GPP Rel 6	HSUPA Subtest-3	22.13	22.45	22.46	23.70	21.80	21.81	21.77	23.20	22.15	22.17	22.19	23.70
3GPP Rel 6	HSUPA Subtest-4	21.15	21.42	21.45	22.70	20.80	20.87	20.79	22.20	21.13	21.23	21.19	22.70
3GPP Rel 6	HSUPA Subtest-5	23.20	23.40	23.40	24.70	22.80	22.90	22.80	24.20	23.15	23.17	23.19	24.70

		Ant 0				Ant 0				Ant 1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.70	23.90	23.97	25.50	23.88	23.92	23.87	25.50	23.53	23.60	23.47	25.00
3GPP Rel 99	RMC 12.2Kbps	23.75	23.79	23.98	25.50	23.89	24.01	23.97	25.50	23.57	23.62	23.57	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.99	23.08	24.50	23.02	23.07	23.04	24.50	22.66	22.73	22.63	24.00
3GPP Rel 6	HSDPA Subtest-2	22.81	22.96	22.81	24.50	23.03	23.06	22.98	24.50	22.69	22.68	22.65	24.00
3GPP Rel 6	HSDPA Subtest-3	22.33	22.45	22.59	24.00	22.51	22.58	22.51	24.00	22.17	21.87	22.16	23.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.45	22.60	24.00	22.53	22.55	22.49	24.00	22.15	22.20	22.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.83	22.98	23.07	24.50	22.93	23.02	23.04	24.50	22.57	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.73	22.91	22.81	24.50	22.95	23.01	22.90	24.50	22.64	22.65	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.35	22.51	24.00	22.44	22.48	22.42	24.00	22.16	21.81	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.26	22.43	22.53	24.00	22.50	22.47	22.40	24.00	22.11	22.15	22.14	23.50
3GPP Rel 6	HSUPA Subtest-1	22.82	23.03	23.07	24.50	23.05	23.11	23.00	24.50	22.62	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-2	20.84	20.98	21.06	22.50	21.01	21.07	21.04	22.50	20.62	20.73	20.69	22.00
3GPP Rel 6	HSUPA Subtest-3	21.83	21.97	22.07	23.50	22.04	22.04	21.97	23.50	21.62	21.69	21.62	23.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.92	21.07	22.50	21.07	21.08	20.98	22.50	20.64	20.72	20.63	22.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.90	23.10	24.50	23.00	23.10	23.00	24.50	22.60	22.70	22.60	24.00

		Ant 2				Ant 2				Ant 0				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312 1413 1513				4132 4182 4233				
Rx Channel		9662	9800	9938		1537 1638 1738				4357 4407 4458				
Frequency (MHz)		1852.4	1880	1907.6		1712.4 1732.6 1752.6				826.4 836.4 846.6				
3GPP Rel 99	AMR 12.2Kbps	24.06	24.31	24.46	24.90	23.74	23.83	23.69	24.60	24.02	24.16	24.10	25.70	
3GPP Rel 99	RMC 12.2Kbps	24.13	24.37	24.49	24.90	23.75	23.84	23.76	24.60	24.08	24.17	24.16	25.70	
3GPP Rel 6	HSDPA Subtest-1	23.14	23.39	23.47	23.90	22.82	22.88	22.77	23.60	23.09	23.22	23.21	24.70	
3GPP Rel 6	HSDPA Subtest-2	23.15	23.39	23.50	23.90	22.80	22.86	22.77	23.60	23.10	23.23	23.26	24.70	
3GPP Rel 6	HSDPA Subtest-3	22.66	22.89	22.96	23.40	22.31	22.36	22.27	23.10	22.64	22.73	22.70	24.20	
3GPP Rel 6	HSDPA Subtest-4	22.64	22.89	22.98	23.40	22.30	22.40	22.26	23.10	22.61	22.76	22.67	24.20	
3GPP Rel 8	DC-HSDPA Subtest-1	23.04	23.36	23.43	23.90	22.82	22.79	22.74	23.60	22.99	23.22	23.16	24.70	
3GPP Rel 8	DC-HSDPA Subtest-2	23.15	23.34	23.49	23.90	22.74	22.84	22.71	23.60	23.02	23.17	23.20	24.70	
3GPP Rel 8	DC-HSDPA Subtest-3	22.66	22.81	22.91	23.40	22.27	22.30	22.27	23.10	22.58	22.66	22.64	24.20	
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.85	22.95	23.40	22.23	22.32	22.16	23.10	22.54	22.76	22.57	24.20	
3GPP Rel 6	HSUPA Subtest-1	23.18	23.42	23.47	23.90	22.80	22.84	22.79	23.60	23.11	23.17	23.20	24.70	
3GPP Rel 6	HSUPA Subtest-2	21.16	21.35	21.46	21.90	20.85	20.92	20.77	21.60	21.15	21.19	21.21	22.70	
3GPP Rel 6	HSUPA Subtest-3	22.13	22.45	22.46	22.90	21.80	21.81	21.77	22.60	22.15	22.17	22.19	23.70	
3GPP Rel 6	HSUPA Subtest-4	21.15	21.42	21.45	21.90	20.80	20.87	20.79	21.60	21.13	21.23	21.19	22.70	
3GPP Rel 6	HSUPA Subtest-5	23.20	23.40	23.40	23.90	22.80	22.90	22.80	23.60	23.15	23.17	23.19	24.70	

		Ant 0				Ant 0				Ant 1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538									
Rx Channel		9662	9800	9938									
Frequency (MHz)		1852.4	1880	1907.6									
3GPP Rel 99	AMR 12.2Kbps	23.70	23.90	23.97	25.50	23.88	23.92	23.87	25.50	23.53	23.60	23.47	25.00
3GPP Rel 99	RMC 12.2Kbps	23.75	23.79	23.98	25.50	23.89	24.01	23.97	25.50	23.57	23.62	23.57	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.99	23.08	24.50	23.02	23.07	23.04	24.50	22.66	22.73	22.63	24.00
3GPP Rel 6	HSDPA Subtest-2	22.81	22.96	22.81	24.50	23.03	23.06	22.98	24.50	22.69	22.68	22.65	24.00
3GPP Rel 6	HSDPA Subtest-3	22.33	22.45	22.59	24.00	22.51	22.58	22.51	24.00	22.17	21.87	22.16	23.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.45	22.60	24.00	22.53	22.55	22.49	24.00	22.15	22.20	22.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.83	22.98	23.07	24.50	22.93	23.02	23.04	24.50	22.57	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.73	22.91	22.81	24.50	22.95	23.01	22.90	24.50	22.64	22.65	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.35	22.51	24.00	22.44	22.48	22.42	24.00	22.16	21.81	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.26	22.43	22.53	24.00	22.50	22.47	22.40	24.00	22.11	22.15	22.14	23.50
3GPP Rel 6	HSUPA Subtest-1	22.82	23.03	23.07	24.50	23.05	23.11	23.00	24.50	22.62	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-2	20.84	20.98	21.06	22.50	21.01	21.07	21.04	22.50	20.62	20.73	20.69	22.00
3GPP Rel 6	HSUPA Subtest-3	21.83	21.97	22.07	23.50	22.04	22.04	21.97	23.50	21.62	21.69	21.62	23.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.92	21.07	22.50	21.07	21.08	20.98	22.50	20.64	20.72	20.63	22.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.90	23.10	24.50	23.00	23.10	23.00	24.50	22.60	22.70	22.60	24.00

		Ant 2				Ant 2				Ant 0			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312 1413 1513				4132 4182 4233			
Rx Channel		9662	9800	9938		1537 1638 1738				4357 4407 4458			
Frequency (MHz)		1852.4	1880	1907.6		1712.4 1732.6 1752.6				826.4 836.4 846.6			
3GPP Rel 99	AMR 12.2Kbps	24.06	24.31	24.46	24.90	23.74	23.83	23.69	24.40	24.02	24.16	24.10	25.70
3GPP Rel 99	RMC 12.2Kbps	24.13	24.37	24.49	24.90	23.75	23.84	23.76	24.40	24.08	24.17	24.16	25.70
3GPP Rel 6	HSDPA Subtest-1	23.14	23.39	23.47	23.90	22.82	22.88	22.77	23.40	23.09	23.22	23.21	24.70
3GPP Rel 6	HSDPA Subtest-2	23.15	23.39	23.50	23.90	22.80	22.86	22.77	23.40	23.10	23.23	23.26	24.70
3GPP Rel 6	HSDPA Subtest-3	22.66	22.89	22.96	23.40	22.31	22.36	22.27	22.90	22.64	22.73	22.70	24.20
3GPP Rel 6	HSDPA Subtest-4	22.64	22.89	22.98	23.40	22.30	22.40	22.26	22.90	22.61	22.76	22.67	24.20
3GPP Rel 8	DC-HSDPA Subtest-1	23.04	23.36	23.43	23.90	22.82	22.79	22.74	23.40	22.99	23.22	23.16	24.70
3GPP Rel 8	DC-HSDPA Subtest-2	23.15	23.34	23.49	23.90	22.74	22.84	22.71	23.40	23.02	23.17	23.20	24.70
3GPP Rel 8	DC-HSDPA Subtest-3	22.66	22.81	22.91	23.40	22.27	22.30	22.27	22.90	22.58	22.66	22.64	24.20
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.85	22.95	23.40	22.23	22.32	22.16	22.90	22.54	22.76	22.57	24.20
3GPP Rel 6	HSUPA Subtest-1	23.18	23.42	23.47	23.90	22.80	22.84	22.79	23.40	23.11	23.17	23.20	24.70
3GPP Rel 6	HSUPA Subtest-2	21.16	21.35	21.46	21.90	20.85	20.92	20.77	21.40	21.15	21.19	21.21	22.70
3GPP Rel 6	HSUPA Subtest-3	22.13	22.45	22.46	22.90	21.80	21.81	21.77	22.40	22.15	22.17	22.19	23.70
3GPP Rel 6	HSUPA Subtest-4	21.15	21.42	21.45	21.90	20.80	20.87	20.79	21.40	21.13	21.23	21.19	22.70
3GPP Rel 6	HSUPA Subtest-5	23.20	23.40	23.40	23.90	22.80	22.90	22.80	23.40	23.15	23.17	23.19	24.70

Band		Ant 0				Ant 0				Ant 1			
		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.70	23.90	23.97	25.50	23.88	23.92	23.87	25.50	23.53	23.60	23.47	25.00
3GPP Rel 99	RMC 12.2Kbps	23.75	23.79	23.98	25.50	23.89	24.01	23.97	25.50	23.57	23.62	23.57	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.99	23.08	24.50	23.02	23.07	23.04	24.50	22.66	22.73	22.63	24.00
3GPP Rel 6	HSDPA Subtest-2	22.81	22.96	22.81	24.50	23.03	23.06	22.98	24.50	22.69	22.68	22.65	24.00
3GPP Rel 6	HSDPA Subtest-3	22.33	22.45	22.59	24.00	22.51	22.58	22.51	24.00	22.17	21.87	22.16	23.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.45	22.60	24.00	22.53	22.55	22.49	24.00	22.15	22.20	22.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.83	22.98	23.07	24.50	22.93	23.02	23.04	24.50	22.57	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.73	22.91	22.81	24.50	22.95	23.01	22.90	24.50	22.64	22.65	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.35	22.51	24.00	22.44	22.48	22.42	24.00	22.16	21.81	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.26	22.43	22.53	24.00	22.50	22.47	22.40	24.00	22.11	22.15	22.14	23.50
3GPP Rel 6	HSUPA Subtest-1	22.82	23.03	23.07	24.50	23.05	23.11	23.00	24.50	22.62	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-2	20.84	20.98	21.06	22.50	21.01	21.07	21.04	22.50	20.62	20.73	20.69	22.00
3GPP Rel 6	HSUPA Subtest-3	21.83	21.97	22.07	23.50	22.04	22.04	21.97	23.50	21.62	21.69	21.62	23.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.92	21.07	22.50	21.07	21.08	20.98	22.50	20.64	20.72	20.63	22.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.90	23.10	24.50	23.00	23.10	23.00	24.50	22.60	22.70	22.60	24.00

Band	Ant 0				Ant 2				Ant 0			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	24.05	24.03	24.14	25.50	24.00	24.24	24.50	25.50	24.03	24.08	23.98	25.50
RC3 SO55	24.09	24.06	24.10	25.50	24.09	24.31	24.54	25.50	24.06	24.07	24.01	25.50
RC3 SO32 (F+SCH)	24.09	24.11	24.14	25.50	24.09	24.33	24.60	25.50	24.06	24.12	24.06	25.50
RC3 SO32 (+SCH)	24.01	24.08	24.07	25.50	24.05	24.27	24.52	25.50	23.96	24.10	24.02	25.50
RTAP 153.6Kbps	24.11	24.12	24.16	25.50	24.12	24.34	24.63	25.50	24.08	24.13	24.07	25.50
RETAP 4096Bits	24.08	24.08	24.09	25.50	24.06	24.26	24.54	25.50	24.06	24.04	24.01	25.50

Band	Ant 1				Ant 0				Ant 1			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
Frequency (MHz)	23.55	23.67	23.62	25.50	23.56	23.77	24.03	25.50	23.62	23.66	23.59	25.50
RC1 SO55	23.63	23.74	23.62	25.50	23.59	23.82	24.05	25.50	23.64	23.69	23.68	25.50
RC3 SO55	23.62	23.72	23.59	25.50	23.60	23.86	24.06	25.50	23.63	23.68	23.67	25.50
RC3 SO32 (F+SCH)	23.59	23.69	23.50	25.50	23.51	23.78	24.00	25.50	23.62	23.61	23.65	25.50
RC3 SO32 (+SCH)	23.69	23.76	23.67	25.50	23.63	23.92	24.08	25.50	23.68	23.72	23.70	25.50
RTAP 153.6Kbps	23.64	23.74	23.62	25.50	23.55	23.86	24.04	25.50	23.61	23.66	23.61	25.50
RETAP 4096Bits												

Band	Ant 0				Ant 2				Ant 0			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	24.05	24.03	24.14	25.50	24.00	24.24	24.50	25.50	24.03	24.08	23.98	25.50
RC3 SO55	24.09	24.06	24.10	25.50	24.09	24.31	24.54	25.50	24.06	24.07	24.01	25.50
RC3 SO32 (F+SCH)	24.09	24.11	24.14	25.50	24.09	24.33	24.60	25.50	24.06	24.12	24.06	25.50
RC3 SO32 (+SCH)	24.01	24.08	24.07	25.50	24.05	24.27	24.52	25.50	23.96	24.10	24.02	25.50
RTAP 153.6Kbps	24.11	24.12	24.16	25.50	24.12	24.34	24.63	25.50	24.08	24.13	24.07	25.50
RETAP 4096Bits	24.08	24.08	24.09	25.50	24.06	24.26	24.54	25.50	24.06	24.04	24.01	25.50

Band	Ant 1				Ant 0				Ant 1			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	23.40	23.42	23.44	25.40	23.56	23.77	24.03	25.50	23.62	23.66	23.59	25.50
RC3 SO55	23.41	23.48	23.49	25.40	23.59	23.82	24.05	25.50	23.64	23.69	23.68	25.50
RC3 SO32 (F+SCH)	23.40	23.50	23.48	25.40	23.60	23.86	24.06	25.50	23.63	23.68	23.67	25.50
RC3 SO32 (+SCH)	23.42	23.49	23.44	25.40	23.51	23.78	24.00	25.50	23.62	23.61	23.65	25.50
RTAP 153.6Kbps	23.47	23.54	23.58	25.40	23.63	23.92	24.08	25.50	23.68	23.72	23.70	25.50
RETAP 4096Bits	23.43	23.48	23.43	25.40	23.55	23.86	24.04	25.50	23.61	23.66	23.61	25.50

Band	Ant 0				Ant 2				Ant 0			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	24.05	24.03	24.14	25.50	24.00	24.24	24.50	25.50	24.03	24.08	23.98	25.50
RC3 SO55	24.09	24.06	24.10	25.50	24.09	24.31	24.54	25.50	24.06	24.07	24.01	25.50
RC3 SO32 (F+SCH)	24.09	24.11	24.14	25.50	24.09	24.33	24.60	25.50	24.06	24.12	24.06	25.50
RC3 SO32 (+SCH)	24.01	24.08	24.07	25.50	24.05	24.27	24.52	25.50	23.96	24.10	24.02	25.50
RTAP 153.6Kbps	24.11	24.12	24.16	25.50	24.12	24.34	24.63	25.50	24.08	24.13	24.07	25.50
RETAP 4096Bits	24.08	24.08	24.09	25.50	24.06	24.26	24.54	25.50	24.06	24.04	24.01	25.50

Band	Ant 1				Ant 0				Ant 1			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
Frequency (MHz)												
RC1 SO55	22.60	22.59	22.71	24.60	23.56	23.77	24.03	25.50	22.71	22.73	22.74	24.70
RC3 SO55	22.61	22.67	22.72	24.60	23.59	23.82	24.05	25.50	22.72	22.74	22.75	24.70
RC3 SO32 (F+SCH)	22.62	22.64	22.70	24.60	23.60	23.86	24.06	25.50	22.70	22.72	22.74	24.70
RC3 SO32 (+SCH)	22.60	22.66	22.66	24.60	23.51	23.78	24.00	25.50	22.72	22.73	22.76	24.70
RTAP 153.6Kbps	22.67	22.74	22.76	24.60	23.63	23.92	24.08	25.50	22.75	22.80	22.78	24.70
RETAP 4096Bits	22.61	22.63	22.69	24.60	23.55	23.86	24.04	25.50	22.70	22.72	22.74	24.70

Band	Ant 0				Ant 2				Ant 0			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	24.05	24.03	24.14	25.50	23.70	23.94	24.11	25.10	24.03	24.08	23.98	25.50
RC3 SO55	24.09	24.06	24.10	25.50	23.77	23.98	24.20	25.10	24.06	24.07	24.01	25.50
RC3 SO32 (F+SCH)	24.09	24.11	24.14	25.50	23.76	23.98	24.18	25.10	24.06	24.12	24.06	25.50
RC3 SO32 (+SCH)	24.01	24.08	24.07	25.50	23.67	23.92	24.18	25.10	23.96	24.10	24.02	25.50
RTAP 153.6Kbps	24.11	24.12	24.16	25.50	23.83	24.02	24.26	25.10	24.08	24.13	24.07	25.50
RETAP 4096Bits	24.08	24.08	24.09	25.50	23.72	23.90	24.19	25.10	24.06	24.04	24.01	25.50



Band	Ant 1				Ant 0				Ant 1			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
Frequency (MHz)	23.55	23.67	23.62	25.50	23.56	23.77	24.03	25.50	23.62	23.66	23.59	25.50
RC1 SO55	23.55	23.67	23.62	25.50	23.56	23.77	24.03	25.50	23.62	23.66	23.59	25.50
RC3 SO55	23.63	23.74	23.62	25.50	23.59	23.82	24.05	25.50	23.64	23.69	23.68	25.50
RC3 SO32 (F+SCH)	23.62	23.72	23.59	25.50	23.60	23.86	24.06	25.50	23.63	23.68	23.67	25.50
RC3 SO32 (+SCH)	23.59	23.69	23.50	25.50	23.51	23.78	24.00	25.50	23.62	23.61	23.65	25.50
RTAP 153.6Kbps	23.69	23.76	23.67	25.50	23.63	23.92	24.08	25.50	23.68	23.72	23.70	25.50
RETAP 4096Bits	23.64	23.74	23.62	25.50	23.55	23.86	24.04	25.50	23.61	23.66	23.61	25.50

Band	Ant 0				Ant 2				Ant 0			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	24.05	24.03	24.14	25.50	22.94	23.05	23.41	24.30	24.03	24.08	23.98	25.50
RC3 SO55	24.09	24.06	24.10	25.50	22.95	23.15	23.41	24.30	24.06	24.07	24.01	25.50
RC3 SO32 (F+SCH)	24.09	24.11	24.14	25.50	22.94	23.16	23.40	24.30	24.06	24.12	24.06	25.50
RC3 SO32 (+SCH)	24.01	24.08	24.07	25.50	22.92	23.12	23.36	24.30	23.96	24.10	24.02	25.50
RTAP 153.6Kbps	24.11	24.12	24.16	25.50	23.00	23.19	23.45	24.30	24.08	24.13	24.07	25.50
RETAP 4096Bits	24.08	24.08	24.09	25.50	22.94	23.08	23.37	24.30	24.06	24.04	24.01	25.50

Band	Ant 1				Ant 0				Ant 1			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
Frequency (MHz)	23.55	23.67	23.62	25.50	23.56	23.77	24.03	25.50	23.62	23.66	23.59	25.50
RC1 SO55	23.63	23.74	23.62	25.50	23.59	23.82	24.05	25.50	23.64	23.69	23.68	25.50
RC3 SO55	23.62	23.72	23.59	25.50	23.60	23.86	24.06	25.50	23.63	23.68	23.67	25.50
RC3 SO32 (F+SCH)	23.59	23.69	23.50	25.50	23.51	23.78	24.00	25.50	23.62	23.61	23.65	25.50
RC3 SO32 (+SCH)	23.69	23.76	23.67	25.50	23.63	23.92	24.08	25.50	23.68	23.72	23.70	25.50
RTAP 153.6Kbps	23.64	23.74	23.62	25.50	23.55	23.86	24.04	25.50	23.61	23.66	23.61	25.50
RETAP 4096Bits												



Band	Ant 0				Ant 2				Ant 0			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
Frequency (MHz)	24.05	24.03	24.14	25.50	22.94	23.05	23.41	24.30	24.03	24.08	23.98	25.50
RC1 SO55	24.09	24.06	24.10	25.50	22.95	23.15	23.41	24.30	24.06	24.07	24.01	25.50
RC3 SO55	24.09	24.11	24.14	25.50	22.94	23.16	23.40	24.30	24.06	24.12	24.06	25.50
RC3 SO32 (F+SCH)	24.01	24.08	24.07	25.50	22.92	23.12	23.36	24.30	23.96	24.10	24.02	25.50
RC3 SO32 (+SCH)	24.11	24.12	24.16	25.50	23.00	23.19	23.45	24.30	24.08	24.13	24.07	25.50
RTAP 153.6Kbps	24.08	24.08	24.09	25.50	22.94	23.08	23.37	24.30	24.06	24.04	24.01	25.50
RETAP 4096Bits												

Band	Ant 1				Ant 0				Ant 1			
	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
Frequency (MHz)	23.55	23.67	23.62	25.50	23.56	23.77	24.03	25.50	23.62	23.66	23.59	25.50
RC1 SO55	23.63	23.74	23.62	25.50	23.59	23.82	24.05	25.50	23.64	23.69	23.68	25.50
RC3 SO55	23.62	23.72	23.59	25.50	23.60	23.86	24.06	25.50	23.63	23.68	23.67	25.50
RC3 SO32 (F+SCH)	23.59	23.69	23.50	25.50	23.51	23.78	24.00	25.50	23.62	23.61	23.65	25.50
RC3 SO32 (+SCH)	23.69	23.76	23.67	25.50	23.63	23.92	24.08	25.50	23.68	23.72	23.70	25.50
RTAP 153.6Kbps	23.64	23.74	23.62	25.50	23.55	23.86	24.04	25.50	23.61	23.66	23.61	25.50
RETAP 4096Bits												

Band 5_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Mean	Power Ch. 1	Power Ch. 2	Time-up (ms)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.48	24.54	24.51			25.7	
10	QPSK	1	25	24.48	24.52	24.50				
10	QPSK	1	49	24.58	24.48	24.43				
10	QPSK	25	0	23.55	23.64	23.62			24.7	
10	QPSK	25	12	23.69	23.65	23.62				
10	QPSK	25	25	23.63	23.67	23.62				
10	QPSK	50	0	23.07	23.64	23.63			24.7	
10	WQAM	1	0	23.88	23.89	23.94				
10	WQAM	1	25	23.90	23.93	23.91				
10	WQAM	1	49	23.95	23.90	23.81			23.7	
10	WQAM	25	0	22.57	22.92	22.59				
10	WQAM	25	12	22.58	22.94	22.57				
10	WQAM	25	25	22.64	22.93	22.96			23.7	
10	WQAM	50	0	22.98	22.92	22.98				
10	WQAM	1	0	22.94	22.76	22.76				
10	WQAM	1	25	22.92	22.97	22.92			22.7	
10	WQAM	1	49	22.82	22.81	22.78				
10	WQAM	25	0	21.62	21.66	21.64				
10	WQAM	25	12	21.71	21.69	21.67			22.7	
10	WQAM	25	25	21.86	21.70	21.57				
10	WQAM	50	0	21.70	21.69	21.62				
10	SSBQAM	1	0	19.40	19.53	19.52			20.7	
10	SSBQAM	1	25	19.44	19.45	19.44				
10	SSBQAM	1	49	19.52	19.48	19.37				
10	SSBQAM	25	0	19.41	19.41	19.43			20.7	
10	SSBQAM	25	12	19.44	19.39	19.35				
10	SSBQAM	25	25	19.34	19.38	19.28				
10	SSBQAM	50	0	19.44	19.37	19.38			20.7	
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.54	24.52	24.48			25.7	
5	QPSK	1	25	24.50	24.53	24.48				
5	QPSK	1	49	24.48	24.48	24.48				
5	QPSK	12	0	23.59	23.70	23.61			24.7	
5	QPSK	12	13	23.68	23.67	23.65				
5	QPSK	12	13	23.80	23.85	23.84				
5	QPSK	25	0	23.63	23.69	23.65			24.7	
5	WQAM	1	0	23.90	23.95	23.89				
5	WQAM	1	12	23.89	23.95	23.83				
5	WQAM	1	24	23.89	23.91	23.78			23.7	
5	WQAM	12	0	22.84	22.72	22.81				
5	WQAM	12	7	22.98	22.99	22.98				
5	WQAM	12	13	22.81	22.87	22.87			23.7	
5	WQAM	25	0	22.69	22.71	22.58				
5	WQAM	1	0	22.81	22.90	22.82				
5	WQAM	1	12	22.80	22.86	22.87			22.7	
5	WQAM	1	24	22.82	22.86	22.72				
5	WQAM	12	0	21.89	21.75	21.67				
5	WQAM	12	7	21.73	21.75	21.41			20.7	
5	WQAM	12	13	21.86	21.70	21.22				
5	WQAM	25	0	21.98	21.74	21.45				
5	SSBQAM	1	0	19.53	19.48	19.44			20.7	
5	SSBQAM	1	12	19.40	19.41	19.41				
5	SSBQAM	1	24	19.52	19.48	19.34				
5	SSBQAM	12	0	19.35	19.32	19.43			20.7	
5	SSBQAM	12	7	19.37	19.28	19.30				
5	SSBQAM	12	13	19.33	19.26	19.18				
5	SSBQAM	25	0	19.34	19.37	19.31			20.7	
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.80	23.87	23.85			25.7	
3	QPSK	1	8	23.87	23.94	23.83				
3	QPSK	8	0	23.78	23.83	23.71				
3	QPSK	8	0	22.89	22.93	22.87			24.7	
3	QPSK	8	4	22.95	23.01	22.87				
3	QPSK	8	7	22.88	22.93	22.83				
3	QPSK	16	0	22.90	22.97	22.86			24.7	
3	WQAM	1	0	23.13	23.17	23.17				
3	WQAM	8	0	23.26	23.30	23.13				
3	WQAM	1	14	23.11	23.18	23.03			23.7	
3	WQAM	8	4	21.96	22.00	21.94				
3	WQAM	8	7	21.98	22.06	21.96				
3	WQAM	8	7	21.95	21.98	21.87			23.7	
3	WQAM	16	0	21.96	22.01	21.80				
3	WQAM	1	0	23.03	22.15	21.90				
3	WQAM	1	8	23.13	22.21	21.71			22.7	
3	WQAM	1	14	23.02	22.09	21.70				
3	WQAM	8	0	21.90	21.80	20.78				
3	WQAM	8	4	21.94	21.03	21.78			22.7	
3	WQAM	8	7	21.89	20.98	21.71				
3	WQAM	16	0	21.92	20.98	21.72				
3	SSBQAM	1	0	19.40	19.42	19.46			20.7	
3	SSBQAM	1	8	19.38	19.39	19.44				
3	SSBQAM	1	14	19.48	19.47	19.29				
3	SSBQAM	8	0	19.36	19.41	19.33			20.7	
3	SSBQAM	8	4	19.35	19.19	19.27				
3	SSBQAM	8	7	19.33	19.33	19.20				
3	SSBQAM	16	0	19.38	19.38	19.31			20.7	
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.14	23.19	23.10			25.7	
1.4	QPSK	1	3	23.80	23.86	23.76				
1.4	QPSK	1	5	23.70	23.80	23.71				
1.4	QPSK	3	0	23.80	23.80	23.75			24.7	
1.4	QPSK	3	1	23.83	23.80	23.80				
1.4	QPSK	3	2	23.78	23.81	23.72				
1.4	QPSK	6	0	22.63	22.91	22.77			24.7	
1.4	WQAM	1	0	23.02	23.11	23.07				
1.4	WQAM	1	5	23.07	23.12	23.00				
1.4	WQAM	3	0	22.89	22.89	22.82			23.7	
1.4	WQAM	3	1	22.93	23.00	22.86				
1.4	WQAM	3	1	22.83	22.91	22.78				
1.4	WQAM	6	0	21.91	21.99	21.86			23.7	
1.4	WQAM	1	0	21.98	22.04	21.72				
1.4	WQAM	1	3	22.10	22.15	21.78				
1.4	WQAM	1	6	22.00	22.04	21.72			22.7	
1.4	WQAM	3	0	21.99	21.97	21.73				
1.4	WQAM	3	1	21.94	22.00	21.73				
1.4	WQAM	6	0	21.89	21.93	21.73			22.7	
1.4	SSBQAM	1	0	19.40	19.48	19.47				
1.4	SSBQAM	1	3	19.37	19.41	19.41				
1.4	SSBQAM	1	6	19.47	19.47	19.27				
1.4	SSBQAM	3	0	19.31	19.39	19.38			20.7	
1.4	SSBQAM	3	1	19.44	19.38	19.28				
1.4	SSBQAM	3	1	19.27	19.38	19.23				
1.4	SSBQAM	6	0	19.38	19.36	19.30			20.7	

Band 7_Ant 2								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mean Ch / Freq	Power High Ch / Freq	Time-up (ms)	
Channel								
Frequency (MHz)								
20	QPSK	1	0	24.62	24.64	24.63	25.7	
20	QPSK	1	49	24.67	24.75	24.76		
20	QPSK	1	99	24.71	24.79	24.73		
20	QPSK	84	0	23.76	23.78	23.75	24.7	
20	QPSK	50	24	23.88	23.84	23.80		
20	QPSK	50	99	23.89	23.94	23.89		
20	QPSK	100	0	23.98	23.94	23.78	24.7	
20	HQAM	1	0	23.98	24.01	23.98		
20	HQAM	1	49	24.05	24.07	24.06		
20	HQAM	1	99	24.05	24.15	24.03	23.7	
20	HQAM	50	0	22.77	22.81	22.77		
20	HQAM	50	24	22.96	22.96	22.83		
20	HQAM	50	99	22.93	22.98	22.92	23.7	
20	HQAM	100	0	22.88	22.93	22.78		
20	HQAM	1	0	22.81	22.85	22.81		
20	HQAM	1	49	22.93	22.95	22.77	22.7	
20	HQAM	1	99	23.00	23.06	22.76		
20	HQAM	84	0	21.80	21.84	21.70		
20	HQAM	50	24	21.93	21.89	21.77	22.7	
20	HQAM	50	99	21.93	21.96	21.87		
20	HQAM	100	0	21.92	21.84	21.82		
20	256QAM	1	0	20.22	20.38	19.98	20.7	
20	256QAM	1	49	20.33	20.68	20.01		
20	256QAM	1	99	20.24	20.16	20.11		
20	256QAM	50	0	20.93	20.91	19.94	20.7	
20	256QAM	50	24	20.12	20.07	19.95		
20	256QAM	50	99	20.12	20.00	20.03		
20	256QAM	100	0	20.13	19.99	19.93	Time-up (ms)	
Channel								
Frequency (MHz)								
15	QPSK	1	0	24.54	24.59	24.58	25.7	
15	QPSK	1	49	24.59	24.72	24.64		
15	QPSK	1	74	24.63	24.70	24.63		
15	QPSK	36	0	23.72	23.76	23.65	24.7	
15	QPSK	36	20	23.78	23.84	23.71		
15	QPSK	36	39	23.84	23.85	23.80		
15	QPSK	75	0	23.78	23.79	23.74	24.7	
15	HQAM	1	0	23.95	23.98	23.92		
15	HQAM	1	37	24.00	24.05	23.98		
15	HQAM	1	74	23.96	24.07	23.93	23.7	
15	HQAM	36	0	22.75	22.79	22.74		
15	HQAM	36	20	22.83	22.79	22.82		
15	HQAM	36	39	22.86	22.92	22.82	23.7	
15	HQAM	75	0	22.78	22.78	22.72		
15	HQAM	1	0	22.77	22.84	22.85		
15	HQAM	1	37	22.83	22.86	22.88	23.7	
15	HQAM	1	74	22.95	23.04	22.98		
15	HQAM	36	0	21.80	21.83	21.75		
15	HQAM	36	20	21.90	21.88	21.77	22.7	
15	HQAM	36	39	21.90	21.91	21.85		
15	HQAM	75	0	21.84	21.79	21.76		
15	256QAM	1	0	20.05	20.03	19.98	20.7	
15	256QAM	1	37	20.30	20.05	20.05		
15	256QAM	36	74	20.16	20.11	20.05		
15	256QAM	36	0	19.95	19.95	19.98	20.7	
15	256QAM	36	20	20.07	19.99	19.85		
15	256QAM	36	39	20.07	19.96	20.03		
15	256QAM	75	0	20.08	19.94	19.95	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.58	24.64	24.57	25.7	
10	QPSK	1	25	24.58	24.70	24.62		
10	QPSK	1	49	24.62	24.73	24.71		
10	QPSK	25	0	23.73	23.69	23.75	24.7	
10	QPSK	25	12	23.81	23.74	23.80		
10	QPSK	25	25	23.87	23.88	23.80		
10	QPSK	60	0	23.76	23.79	23.75	24.7	
10	HQAM	1	0	23.94	24.01	23.94		
10	HQAM	1	25	23.98	24.04	23.99		
10	HQAM	1	49	24.05	24.07	23.95	23.7	
10	HQAM	25	0	22.76	22.80	22.75		
10	HQAM	25	12	22.87	22.78	22.82		
10	HQAM	25	25	22.85	22.98	22.87	23.7	
10	HQAM	60	0	22.84	22.80	22.80		
10	HQAM	1	0	22.74	22.77	22.84		
10	HQAM	1	25	22.83	22.95	22.74	22.7	
10	HQAM	1	49	22.95	22.99	22.72		
10	HQAM	25	0	21.76	21.74	21.76		
10	HQAM	25	12	21.85	21.86	21.70	22.7	
10	HQAM	25	25	21.93	21.89	21.86		
10	HQAM	50	0	21.84	21.78	21.72		
10	256QAM	1	0	20.17	19.98	19.97	20.7	
10	256QAM	1	25	20.23	20.07	20.01		
10	256QAM	1	49	20.14	20.10	20.04		
10	256QAM	25	0	19.93	20.01	19.94	20.7	
10	256QAM	25	12	20.08	20.00	19.95		
10	256QAM	25	25	20.10	19.99	19.97		
10	256QAM	50	0	20.03	19.99	19.92	Time-up (ms)	
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.54	24.62	24.61	25.7	
5	QPSK	1	12	24.59	24.65	24.67		
5	QPSK	1	24	24.68	24.72	24.69		
5	QPSK	12	0	23.70	23.75	23.71	24.7	
5	QPSK	12	7	23.81	23.74	23.70		
5	QPSK	12	13	23.83	23.93	23.80		
5	QPSK	24	0	23.78	23.84	23.75	24.7	
5	HQAM	1	0	23.94	23.98	23.97		
5	HQAM	1	12	23.97	24.05	24.05		
5	HQAM	1	24	24.00	24.11	24.03	23.7	
5	HQAM	12	0	22.68	22.71	22.71		
5	HQAM	12	13	22.81	22.86	22.81		
5	HQAM	12	13	22.89	22.93	22.84	23.7	
5	HQAM	25	0	22.86	22.77	22.73		
5	HQAM	1	0	22.78	22.77	22.83		
5	HQAM	1	12	22.84	22.89	22.73	22.7	
5	HQAM	1	24	22.97	23.05	22.78		
5	HQAM	12	0	21.78	21.82	21.74		
5	HQAM	12	7	21.87	21.86	21.71	22.7	
5	HQAM	12	13	21.84	21.88	21.82		
5	HQAM	25	0	21.92	21.75	21.78		
5	256QAM	1	0	20.16	20.02	19.93	20.7	
5	256QAM	1	12	20.28	20.00	20.05		
5	256QAM	1	24	20.18	20.11	20.03		
5	256QAM	12	0	20.03	19.98	19.91	20.7	
5	256QAM	12	7	20.07	20.07	19.85		
5	256QAM	12	13	20.09	19.98	19.99		
5	256QAM	25	0	20.06	19.92	19.83	Time-up (ms)	
Channel								
Frequency (MHz)								



Band 12_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.84	24.83	24.89	24.88	25.7	
10	QPSK	1	25	24.89	24.88	24.82	24.81		
10	QPSK	1	49	24.87	24.83	24.80	24.80		
10	QPSK	25	0	23.72	23.74	23.71	23.71		
10	QPSK	25	12	23.78	23.73	23.72	23.72	24.7	
10	QPSK	25	25	23.77	23.79	23.80	23.80		
10	QPSK	50	0	23.76	23.71	23.73	23.73		
10	HQAM	1	0	23.96	23.95	23.97	23.97		
10	HQAM	1	25	23.97	23.99	24.01	24.01	24.7	
10	HQAM	1	49	24.06	24.01	24.04	24.04		
10	HQAM	25	0	22.71	22.73	22.74	22.74		
10	HQAM	25	12	22.76	22.75	22.75	22.75	23.7	
10	HQAM	25	25	22.72	22.80	22.77	22.77		
10	HQAM	50	0	22.75	22.72	22.74	22.74		
10	HQAM	1	0	22.87	22.86	22.84	22.84		
10	HQAM	1	25	22.88	22.92	22.96	22.96	23.7	
10	HQAM	1	49	22.96	22.91	22.94	22.94		
10	HQAM	25	0	21.76	21.74	21.76	21.76		
10	HQAM	25	12	21.84	21.77	21.78	21.78	22.7	
10	HQAM	25	25	21.79	21.81	21.80	21.80		
10	HQAM	50	0	21.85	21.77	21.77	21.77		
10	SSBQAM	1	0	19.42	19.54	19.55	19.55		
10	SSBQAM	1	25	19.56	19.57	19.58	19.58	20.7	
10	SSBQAM	1	49	19.52	19.58	19.64	19.64		
10	SSBQAM	25	0	19.52	19.54	19.55	19.55		
10	SSBQAM	25	12	19.56	19.48	19.45	19.45	20.7	
10	SSBQAM	25	25	19.42	19.47	19.55	19.55		
10	SSBQAM	50	0	19.53	19.51	19.51	19.51		
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.65	24.66	24.60	24.60	25.7	
5	QPSK	1	25	24.65	24.60	24.60	24.60		
5	QPSK	1	24	24.64	24.65	24.64	24.64		
5	QPSK	12	0	23.75	23.73	23.73	23.73	24.7	
5	QPSK	12	1	23.78	23.80	23.75	23.75		
5	QPSK	12	13	23.70	23.74	23.72	23.72		
5	QPSK	25	0	23.73	23.71	23.71	23.71		
5	HQAM	1	0	23.98	23.99	23.97	23.97	24.7	
5	HQAM	1	12	24.01	24.01	23.99	23.99		
5	HQAM	1	24	24.02	24.01	23.97	23.97		
5	HQAM	12	0	22.83	22.78	22.78	22.78	23.7	
5	HQAM	12	7	22.78	22.80	22.74	22.74		
5	HQAM	12	13	22.75	22.75	22.75	22.75		
5	HQAM	25	0	22.78	22.71	22.70	22.70	23.7	
5	HQAM	1	0	22.98	22.95	22.88	22.88		
5	HQAM	1	12	22.92	22.93	22.94	22.94	23.7	
5	HQAM	1	24	22.96	22.98	22.92	22.92		
5	HQAM	12	0	21.86	21.82	21.82	21.82	22.7	
5	HQAM	12	7	21.83	21.83	21.78	21.78		
5	HQAM	12	13	21.76	21.80	21.77	21.77		
5	HQAM	25	0	21.76	21.74	21.74	21.74	20.7	
5	SSBQAM	1	0	19.56	19.48	19.48	19.48		
5	SSBQAM	1	12	19.50	19.49	19.52	19.52		
5	SSBQAM	1	24	19.52	19.46	19.50	19.50	20.7	
5	SSBQAM	12	0	19.45	19.52	19.50	19.50		
5	SSBQAM	12	7	19.51	19.48	19.42	19.42		
5	SSBQAM	12	13	19.56	19.57	19.54	19.54	20.7	
5	SSBQAM	25	0	19.53	19.48	19.48	19.48		
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.92	23.88	23.86	23.86	25.7	
3	QPSK	1	8	23.92	23.95	23.93	23.93		
3	QPSK	1	14	23.85	23.90	23.84	23.84		
3	QPSK	8	0	22.99	22.97	22.94	22.94	24.7	
3	QPSK	8	4	22.98	23.00	22.97	22.97		
3	QPSK	8	7	22.94	22.97	22.90	22.90	24.7	
3	QPSK	16	0	22.96	22.92	22.92	22.92		
3	HQAM	1	0	23.26	23.19	23.22	23.22	24.7	
3	HQAM	8	0	23.31	23.31	23.29	23.29		
3	HQAM	1	14	23.18	23.22	23.19	23.19		
3	HQAM	8	4	22.98	22.91	22.90	22.90	23.7	
3	HQAM	8	7	22.09	22.09	22.04	22.04		
3	HQAM	8	7	22.00	22.06	21.98	21.98		
3	HQAM	16	0	22.01	21.95	21.94	21.94	23.7	
3	HQAM	1	0	22.21	22.14	22.14	22.14		
3	HQAM	1	8	22.24	22.23	22.20	22.20		
3	HQAM	1	14	22.15	22.16	22.12	22.12	22.7	
3	HQAM	8	0	21.03	21.03	20.96	20.96		
3	HQAM	8	4	21.08	21.07	21.04	21.04		
3	HQAM	8	7	20.99	21.02	20.99	20.99	22.7	
3	HQAM	16	0	21.00	20.95	20.93	20.93		
3	SSBQAM	1	0	19.52	19.45	19.43	19.43	20.7	
3	SSBQAM	1	8	19.58	19.50	19.48	19.48		
3	SSBQAM	1	14	19.60	19.67	19.58	19.58		
3	SSBQAM	8	0	19.46	19.44	19.45	19.45	20.7	
3	SSBQAM	8	4	19.53	19.48	19.39	19.39		
3	SSBQAM	8	7	19.45	19.37	19.53	19.53		
3	SSBQAM	16	0	19.51	19.44	19.45	19.45	20.7	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.15	23.14	23.13	23.13	25.7	
1.4	QPSK	1	3	23.78	23.80	23.80	23.80		
1.4	QPSK	1	5	23.72	23.73	23.71	23.71		
1.4	QPSK	1	4	23.80	23.78	23.77	23.77	25.7	
1.4	QPSK	3	1	23.84	23.78	23.79	23.79		
1.4	QPSK	3	3	23.74	23.78	23.74	23.74	24.7	
1.4	QPSK	6	0	22.63	22.64	22.61	22.61		
1.4	HQAM	1	0	23.09	23.07	23.09	23.09	24.7	
1.4	HQAM	1	3	23.12	23.14	23.10	23.10		
1.4	HQAM	1	5	23.08	23.05	23.03	23.03		
1.4	HQAM	3	0	22.89	22.84	22.86	22.86	23.7	
1.4	HQAM	3	1	22.84	22.83	22.82	22.82		
1.4	HQAM	6	0	21.88	21.90	21.86	21.86	23.7	
1.4	HQAM	1	0	22.01	21.98	21.99	21.99		
1.4	HQAM	1	3	22.06	22.09	22.03	22.03		
1.4	HQAM	1	5	22.03	22.02	21.97	21.97	23.7	
1.4	HQAM	3	0	21.98	21.94	21.98	21.98		
1.4	HQAM	3	1	22.02	21.97	22.00	22.00		
1.4	HQAM	6	0	21.94	21.95	21.95	21.95	22.7	
1.4	SSBQAM	1	0	20.98	20.98	20.93	20.93		
1.4	SSBQAM	1	0	19.38	19.48	19.42	19.42	20.7	
1.4	SSBQAM	1	3	19.57	19.54	19.56	19.56		
1.4	SSBQAM	1	5	19.58	19.67	19.59	19.59		
1.4	SSBQAM	3	0	19.42	19.45	19.51	19.51		
1.4	SSBQAM	3	1	19.56	19.41	19.35	19.35	20.7	
1.4	SSBQAM	3	1	19.39	19.44	19.52	19.52		
1.4	SSBQAM	6	0	19.47	19.48	19.50	19.50	20.7	

Band 13_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Main Ch. Freq	Power High Ch. Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.98			25.2
10	QPSK	1	25	24.02			
10	QPSK	1	49	24.10			
10	QPSK	25	0	23.16			24.2
10	QPSK	25	12	23.17			
10	QPSK	25	25	23.19			
10	QPSK	50	0	23.18			24.2
10	16QAM	1	0	23.38			
10	16QAM	1	25	23.37			
10	16QAM	1	49	23.40			23.2
10	16QAM	25	0	22.17			
10	16QAM	25	12	22.20			
10	16QAM	25	25	22.22			23.2
10	16QAM	50	0	22.19			
10	16QAM	1	0	22.21			
10	16QAM	1	25	22.32			22.2
10	16QAM	1	49	22.34			
10	16QAM	25	0	21.17			
10	16QAM	25	12	21.24			20.2
10	16QAM	25	25	21.23			
10	16QAM	50	0	21.23			
10	256QAM	1	0	18.81			20.2
10	256QAM	1	25	18.97			
10	256QAM	1	49	18.91			
10	256QAM	25	0	18.78			20.2
10	256QAM	25	12	18.86			
10	256QAM	25	25	18.89			
10	256QAM	50	0	18.84			
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.93	23.98	23.74	25.2
5	QPSK	1	12	24.04	24.07	23.77	
5	QPSK	1	24	24.07	24.08	23.83	
5	QPSK	12	0	23.19	23.13	22.85	24.2
5	QPSK	12	1	23.18	23.15	22.83	
5	QPSK	12	13	23.19	23.21	22.89	
5	QPSK	25	0	23.18	23.14	22.90	24.2
5	16QAM	1	0	23.31	23.29	23.01	
5	16QAM	1	12	23.29	23.33	23.04	
5	16QAM	1	24	23.37	23.38	23.04	23.2
5	16QAM	12	0	22.20	22.17	21.92	
5	16QAM	12	7	22.20	22.17	21.95	
5	16QAM	12	13	22.21	22.22	21.94	23.2
5	16QAM	25	0	22.23	22.18	21.92	
5	16QAM	1	0	22.19	22.28	21.94	
5	16QAM	1	12	22.25	22.26	22.01	22.2
5	16QAM	1	24	22.29	22.32	22.02	
5	16QAM	12	0	21.22	21.23	20.98	
5	16QAM	12	7	21.26	21.21	20.98	20.2
5	16QAM	12	13	21.25	21.26	20.95	
5	256QAM	1	0	18.95	18.97	18.98	
5	256QAM	1	12	18.93	18.96	18.94	20.2
5	256QAM	1	24	18.96	18.96	18.96	
5	256QAM	12	0	18.77	18.69	18.74	
5	256QAM	12	7	18.83	18.78	18.79	20.2
5	256QAM	12	13	18.82	18.84	18.79	
5	256QAM	25	0	18.77	18.77	18.74	

Band 14_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	24.59	24.59		25.7
10	QPSK	1	25	24.53	24.53		
10	QPSK	1	49	24.48	24.48		
10	QPSK	25	0	23.55	23.55		24.7
10	QPSK	25	12	23.57	23.57		
10	QPSK	25	25	23.63	23.63		
10	QPSK	50	0	23.55	23.55		24.7
10	16QAM	1	0	23.95	23.95		
10	16QAM	1	25	23.91	23.91		
10	16QAM	1	49	23.86	23.86		23.7
10	16QAM	25	12	22.54	22.54		
10	16QAM	25	25	22.67	22.67		
10	16QAM	50	0	22.55	22.55		23.7
10	16QAM	1	0	22.79	22.79		
10	16QAM	1	25	22.54	22.54		23.7
10	16QAM	1	49	22.79	22.79		
10	16QAM	25	0	21.58	21.58		
10	16QAM	25	12	21.81	21.81		22.7
10	16QAM	25	25	21.83	21.83		
10	16QAM	50	0	21.59	21.59		
10	256QAM	1	0	19.53	19.53		20.7
10	256QAM	1	25	19.57	19.57		
10	256QAM	1	49	19.55	19.55		
10	256QAM	25	0	19.29	19.29		20.7
10	256QAM	25	12	19.34	19.34		
10	256QAM	25	25	19.33	19.33		
Channel							
Frequency (MHz)							
5	QPSK	1	0	24.48	24.48	24.45	25.7
5	QPSK	1	24	24.56	24.53	24.55	
5	QPSK	12	0	23.62	23.54	23.51	
5	QPSK	12	7	23.68	23.68	23.60	24.7
5	QPSK	12	13	23.81	23.80	23.68	
5	QPSK	25	0	23.59	23.54	23.52	
5	16QAM	1	0	23.82	23.82	23.78	24.7
5	16QAM	1	12	23.90	23.92	23.86	
5	16QAM	1	24	23.88	23.88	23.79	
5	16QAM	12	0	22.84	22.81	22.53	23.7
5	16QAM	12	7	22.68	22.69	22.80	
5	16QAM	12	13	22.60	22.62	22.58	
5	16QAM	25	0	22.62	22.58	22.58	23.7
5	16QAM	1	0	22.81	22.77	22.77	
5	16QAM	1	49	22.83	22.85	22.84	
5	16QAM	1	24	22.82	22.82	22.80	23.7
5	16QAM	12	0	21.71	21.60	21.58	
5	16QAM	12	7	21.69	21.70	21.68	
5	16QAM	12	13	21.83	21.86	21.81	22.7
5	16QAM	25	0	21.80	21.81	21.84	
5	256QAM	1	0	19.47	19.48	19.53	
5	256QAM	1	12	19.31	19.33	19.28	20.7
5	256QAM	1	24	19.46	19.46	19.42	
5	256QAM	12	0	19.19	19.27	19.27	
5	256QAM	12	7	19.28	19.28	19.34	20.7
5	256QAM	12	13	19.33	19.36	19.33	
5	256QAM	25	0	19.21	19.18	19.15	

Band 17_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Main Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power Main Ch.2 Freq.	Power High Ch.2 Freq.
Channel				700	710	711	Time-up (ms)		
10	QPSK	1	0	24.58	24.58	24.53	25.7		
10	QPSK	1	49	24.62	24.64	24.65			
10	QPSK	25	0	23.84	23.86	23.85	24.7		
10	QPSK	25	12	23.78	23.73	23.71			
10	QPSK	25	25	23.80	23.79	23.80	24.7		
10	QPSK	50	0	23.09	23.12	23.09			
10	HQAM	1	0	23.90	23.92	23.91	24.7		
10	HQAM	1	25	24.01	24.01	24.00			
10	HQAM	1	49	24.01	24.02	24.02	23.7		
10	HQAM	25	0	22.62	22.64	22.64			
10	HQAM	25	12	22.78	22.71	22.71	23.7		
10	HQAM	25	25	22.77	22.81	22.76			
10	HQAM	50	0	22.89	22.76	22.87	23.7		
10	HQAM	1	0	22.86	22.76	22.74			
10	HQAM	1	25	22.92	22.97	22.96	22.7		
10	HQAM	1	49	22.92	22.98	22.93			
10	HQAM	25	0	21.87	21.87	21.87	22.7		
10	HQAM	25	12	21.84	21.78	21.78			
10	HQAM	25	25	21.80	21.82	21.82	20.7		
10	HQAM	50	0	21.70	21.71	21.71			
10	256QAM	1	0	19.44	19.37	19.33	20.7		
10	256QAM	1	25	19.50	19.48	19.51			
10	256QAM	1	49	19.58	19.60	19.60	20.7		
10	256QAM	25	0	19.46	19.44	19.46			
10	256QAM	25	12	19.56	19.52	19.43	20.7		
10	256QAM	25	25	19.58	19.54	19.52			
10	256QAM	50	0	19.45	19.48	19.45	Time-up (ms)		
Channel				700.5	710.5	713.5			
Frequency (MHz)				700.5	710	713.5			
5	QPSK	1	0	24.57	24.58	24.55	25.7		
5	QPSK	1	49	24.60	24.61	24.63			
5	QPSK	1	24	24.64	24.61	24.64	24.7		
5	QPSK	12	0	23.87	23.89	23.88			
5	QPSK	12	1	23.78	23.74	23.69	24.7		
5	QPSK	12	13	23.77	23.76	23.73			
5	QPSK	25	0	23.75	23.75	23.65	24.7		
5	HQAM	1	0	23.91	23.93	23.91			
5	HQAM	1	12	23.97	24.03	23.98	23.7		
5	HQAM	1	24	24.08	24.04	24.01			
5	HQAM	12	0	22.70	22.72	22.72	23.7		
5	HQAM	12	7	22.78	22.74	22.73			
5	HQAM	12	13	22.78	22.77	22.74	23.7		
5	HQAM	25	0	22.74	22.75	22.69			
5	HQAM	1	0	22.89	22.87	22.88	23.7		
5	HQAM	1	49	22.90	22.96	22.90			
5	HQAM	1	24	22.94	23.00	22.93	22.7		
5	HQAM	12	0	21.73	21.77	21.78			
5	HQAM	12	7	21.81	21.79	21.73	20.7		
5	HQAM	12	13	21.79	21.85	21.75			
5	HQAM	25	0	21.78	21.74	21.70	20.7		
5	256QAM	1	0	19.41	19.26	19.24			
5	256QAM	1	12	19.49	19.46	19.44	20.7		
5	256QAM	1	24	19.44	19.50	19.40			
5	256QAM	12	0	19.39	19.34	19.41	20.7		
5	256QAM	12	7	19.58	19.47	19.40			
5	256QAM	12	13	19.53	19.54	19.52	20.7		
5	256QAM	25	0	19.37	19.41	19.45			

Band 30_Ant 2							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.15			24.2
10	QPSK	1	25	23.09			
10	QPSK	1	49	23.02			
10	QPSK	25	0	22.08			23.2
10	QPSK	25	12	22.16			
10	QPSK	25	25	22.18			
10	QPSK	50	0	22.14			23.2
10	WQAM	1	0	22.44			
10	WQAM	1	25	22.48			
10	WQAM	1	49	22.41			22.2
10	WQAM	25	0	21.08			
10	WQAM	25	12	21.14			
10	WQAM	25	25	21.17			22.2
10	WQAM	50	0	21.14			
10	WQAM	1	0	21.06			
10	WQAM	1	25	21.08			21.2
10	WQAM	1	49	21.27			
10	WQAM	25	0	20.12			
10	WQAM	25	12	20.20			21.2
10	WQAM	25	25	20.20			
10	WQAM	50	0	20.18			
10	256QAM	1	0	18.80			19.2
10	256QAM	1	25	18.94			
10	256QAM	1	49	18.91			
10	256QAM	25	0	18.78			19.2
10	256QAM	25	12	18.75			
10	256QAM	25	25	18.75			
10	256QAM	50	0	18.77			Time-up (ms)
Channel							
Frequency (MHz)							
5	QPSK	1	0	22.97	23.01	23.05	24.2
5	QPSK	1	12	23.14	23.14	23.12	
5	QPSK	1	24	23.13	23.13	23.06	
5	QPSK	12	0	22.10	22.12	22.16	23.2
5	QPSK	12	7	22.23	22.17	22.21	
5	QPSK	12	13	22.22	22.17	22.19	
5	QPSK	25	0	22.18	22.14	22.19	23.2
5	WQAM	1	0	22.32	22.34	22.35	
5	WQAM	1	12	22.42	22.40	22.38	
5	WQAM	1	24	22.44	22.40	22.36	22.2
5	WQAM	12	0	21.15	21.14	21.19	
5	WQAM	12	7	21.24	21.20	21.22	
5	WQAM	12	13	21.25	21.16	21.21	22.2
5	WQAM	25	0	21.21	21.18	21.20	
5	WQAM	1	0	21.28	21.32	21.34	
5	WQAM	1	12	21.32	21.36	21.33	22.2
5	WQAM	1	24	21.38	21.36	21.31	
5	WQAM	12	0	20.17	20.21	20.20	
5	WQAM	12	7	20.20	20.23	20.25	21.2
5	WQAM	12	13	20.30	20.25	20.24	
5	WQAM	25	0	20.26	20.17	20.40	
5	256QAM	1	0	18.75	18.76	18.77	19.2
5	256QAM	1	12	18.87	18.90	18.85	
5	256QAM	1	24	18.96	18.80	18.87	
5	256QAM	12	7	18.63	18.72	18.64	19.2
5	256QAM	12	13	18.65	18.75	18.71	
5	256QAM	25	0	18.75	18.72	18.70	

Band 71_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mean Ch / Freq	Power High Ch / Freq	Time-up (ms)	Time-down (ms)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.65	24.57	24.52			25.7	
20	QPSK	1	49	24.58	24.53	24.51				
20	QPSK	1	99	24.51	24.53	24.50				
20	QPSK	80	0	23.66	23.66	23.58			24.7	
20	QPSK	50	24	23.71	23.61	23.61				
20	QPSK	50	99	23.70	23.64	23.63				
20	QPSK	100	0	23.70	23.60	23.58			24.7	
20	HQAM	1	0	24.62	23.92	23.82				
20	HQAM	1	49	23.92	23.89	23.85				
20	HQAM	1	99	23.89	23.86	23.85			23.7	
20	HQAM	50	0	22.70	22.66	22.57				
20	HQAM	50	24	22.75	22.65	22.61				
20	HQAM	50	99	22.70	22.66	22.64			23.7	
20	HQAM	100	0	22.70	22.62	22.59				
20	HQAM	1	0	22.84	22.75	22.74			23.7	
20	HQAM	1	49	22.81	22.58	22.71				
20	HQAM	1	99	22.78	22.77	22.76				
20	HQAM	80	0	21.58	21.67	21.61			22.7	
20	HQAM	50	24	21.73	21.65	21.65				
20	HQAM	50	99	21.71	21.66	21.65				
20	HQAM	100	0	21.74	21.62	21.62			20.7	
20	SSBQAM	1	0	19.58	19.80	19.37				
20	SSBQAM	1	49	19.41	19.56	19.59				
20	SSBQAM	1	99	19.45	19.55	19.55			20.7	
20	SSBQAM	50	0	19.41	19.47	19.44				
20	SSBQAM	50	24	19.38	19.44	19.38				
20	SSBQAM	50	99	19.40	19.38	19.29			20.7	
20	SSBQAM	100	0	19.43	19.43	19.32				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.64	24.57	24.53			25.7	
15	QPSK	1	49	24.50	24.53	24.52				
15	QPSK	1	74	24.53	24.58	24.53				
15	QPSK	30	0	23.68	23.64	23.60			24.7	
15	QPSK	30	20	23.71	23.68	23.69				
15	QPSK	30	39	23.84	23.83	23.81				
15	QPSK	75	0	23.72	23.69	23.66			24.7	
15	HQAM	1	0	24.61	23.93	23.84				
15	HQAM	1	39	23.84	23.90	23.88				
15	HQAM	1	74	23.82	23.82	23.84			23.7	
15	HQAM	30	0	22.68	22.64	22.62				
15	HQAM	30	20	22.71	22.69	22.68				
15	HQAM	30	39	22.64	22.62	22.63			23.7	
15	HQAM	75	0	22.73	22.69	22.67				
15	HQAM	1	0	22.47	22.79	22.75				
15	HQAM	1	39	22.63	22.78	22.78			23.7	
15	HQAM	1	74	22.75	22.83	22.77				
15	HQAM	30	0	21.48	21.69	21.63				
15	HQAM	30	20	21.52	21.71	21.71			22.7	
15	HQAM	30	39	21.86	21.85	21.86				
15	HQAM	75	0	21.70	21.70	21.68				
15	SSBQAM	1	0	19.49	19.52	19.27			20.7	
15	SSBQAM	1	39	19.33	19.28	19.32				
15	SSBQAM	1	74	19.46	19.46	19.37				
15	SSBQAM	30	0	19.35	19.41	19.37			20.7	
15	SSBQAM	30	20	19.32	19.43	19.39				
15	SSBQAM	30	39	19.36	19.36	19.35				
15	SSBQAM	75	0	19.38	19.38	19.31			Time-up (ms)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.62	24.57	24.49			25.7	
10	QPSK	1	25	24.59	24.45	24.50				
10	QPSK	1	49	24.52	24.51	24.45				
10	QPSK	25	0	23.72	23.58	23.53			24.7	
10	QPSK	25	12	23.71	23.58	23.59				
10	QPSK	25	25	23.66	23.62	23.61				
10	QPSK	50	0	23.71	23.65	23.56			24.7	
10	HQAM	1	0	24.66	23.61	23.64				
10	HQAM	1	25	23.93	23.86	23.89				
10	HQAM	1	49	23.88	23.90	23.83			23.7	
10	HQAM	25	0	22.72	22.56	22.54				
10	HQAM	25	12	22.71	22.57	22.54				
10	HQAM	25	25	22.64	22.60	22.61			23.7	
10	HQAM	50	0	22.71	22.63	22.54				
10	HQAM	1	0	22.54	22.78	22.73				
10	HQAM	1	25	22.58	22.79	22.80			22.7	
10	HQAM	1	49	22.66	22.81	22.71				
10	HQAM	25	0	21.32	21.59	21.65				
10	HQAM	25	12	21.33	21.60	21.62			22.7	
10	HQAM	25	25	21.28	21.65	21.64				
10	HQAM	50	0	21.41	21.86	21.57				
10	SSBQAM	1	0	19.55	19.57	19.36			20.7	
10	SSBQAM	1	25	19.38	19.28	19.34				
10	SSBQAM	1	49	19.37	19.45	19.55				
10	SSBQAM	25	0	19.34	19.42	19.37			20.7	
10	SSBQAM	25	12	19.32	19.35	19.32				
10	SSBQAM	25	25	19.40	19.28	19.28				
10	SSBQAM	50	0	19.38	19.33	19.22			Time-up (ms)	
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.63	24.57	24.58			25.7	
5	QPSK	1	12	24.61	24.54	24.56				
5	QPSK	1	24	24.56	24.54	24.47				
5	QPSK	10	0	23.78	23.53	23.64			24.7	
5	QPSK	12	7	23.73	23.64	23.70				
5	QPSK	12	13	23.66	23.60	23.61				
5	QPSK	25	0	23.70	23.64	23.59			24.7	
5	HQAM	1	0	24.02	23.92	23.89				
5	HQAM	1	12	23.95	23.90	23.86				
5	HQAM	1	24	23.89	23.88	23.83			23.7	
5	HQAM	12	0	22.82	22.66	22.68				
5	HQAM	12	13	22.76	22.66	22.70				
5	HQAM	12	13	22.89	22.61	22.61			23.7	
5	HQAM	25	0	22.73	22.65	22.62				
5	HQAM	1	0	22.23	22.90	22.79				
5	HQAM	1	12	22.48	22.85	22.81			22.7	
5	HQAM	1	24	22.47	22.83	22.78				
5	HQAM	12	0	21.34	21.70	21.71				
5	HQAM	12	7	21.49	21.70	21.73			22.7	
5	HQAM	12	13	21.58	21.64	21.60				
5	HQAM	25	0	21.31	21.67	21.65				
5	SSBQAM	1	0	19.56	19.52	19.31			20.7	
5	SSBQAM	1	12	19.37	19.28	19.36				
5	SSBQAM	1	24	19.38	19.47	19.55				
5	SSBQAM	12	0	19.35	19.45	19.34			20.7	
5	SSBQAM	12	7	19.37	19.38	19.32				
5	SSBQAM	12	13	19.36	19.36	19.20				
5	SSBQAM	25	0	19.37	19.35	19.31			Time-up (ms)	
Channel										
Frequency (MHz)										

Band 5_Ant 1								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Main Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.47	23.57	23.64	25	
10	QPSK	1	25	23.51	23.58	23.63		
10	QPSK	1	49	23.58	23.63	23.68		
10	QPSK	8	0	22.63	22.66	22.63	24	
10	QPSK	25	12	22.72	22.87	22.82		
10	QPSK	25	25	22.88	22.76	22.84		
10	QPSK	50	0	22.72	22.86	22.88	24	
10	WQAM	1	0	22.91	22.92	22.97		
10	WQAM	1	25	22.92	22.98	22.92		
10	WQAM	1	49	22.96	22.93	22.93	23	
10	WQAM	25	0	21.59	21.65	21.58		
10	WQAM	25	12	21.71	21.67	21.68		
10	WQAM	25	25	21.68	21.71	21.62	23	
10	WQAM	50	0	21.76	21.84	21.82		
10	WQAM	50	12	21.74	21.71	21.81		
10	WQAM	1	25	21.58	21.56	21.75	23	
10	WQAM	1	49	21.87	21.83	21.17		
10	WQAM	25	0	20.66	20.65	20.66		
10	WQAM	25	12	20.77	20.72	20.67	22	
10	WQAM	25	25	20.71	20.74	20.45		
10	WQAM	50	0	20.73	20.69	20.69		
10	SSBQAM	1	0	18.48	18.83	18.58	20	
10	SSBQAM	1	25	18.53	18.50	18.61		
10	SSBQAM	1	49	18.50	18.63	18.54		
10	SSBQAM	25	0	18.47	18.48	18.45	20	
10	SSBQAM	25	12	18.46	18.42	18.39		
10	SSBQAM	25	25	18.38	18.48	18.48		
10	SSBQAM	50	0	18.51	18.49	18.44	20	
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.61	23.62	23.60	25	
5	QPSK	1	12	23.60	23.63	23.62		
5	QPSK	1	24	23.57	23.59	23.53		
5	QPSK	12	0	22.63	22.73	22.65	24	
5	QPSK	12	12	22.70	22.74	22.68		
5	QPSK	12	13	22.65	22.87	22.87		
5	QPSK	25	0	22.68	22.72	22.58	24	
5	WQAM	1	0	22.94	23.01	22.93		
5	WQAM	1	12	22.92	22.99	22.84		
5	WQAM	1	24	22.94	22.96	22.89	23	
5	WQAM	12	0	21.87	21.75	21.67		
5	WQAM	12	7	21.71	21.77	21.81		
5	WQAM	12	13	21.66	21.69	21.58	23	
5	WQAM	25	0	21.72	21.74	21.59		
5	WQAM	1	0	21.88	21.95	21.86		
5	WQAM	1	12	21.83	21.90	21.78	23	
5	WQAM	1	24	21.88	21.91	21.08		
5	WQAM	12	0	20.74	20.80	20.55		
5	WQAM	12	7	20.78	20.81	20.29	22	
5	WQAM	12	13	20.71	20.75	20.28		
5	WQAM	25	0	20.73	20.76	20.33		
5	SSBQAM	1	0	18.38	18.58	18.58	20	
5	SSBQAM	1	12	18.59	18.40	18.53		
5	SSBQAM	1	24	18.46	18.55	18.46		
5	SSBQAM	12	0	18.40	18.44	18.40	20	
5	SSBQAM	12	7	18.44	18.37	18.38		
5	SSBQAM	12	13	18.35	18.36	18.46		
5	SSBQAM	25	0	18.43	18.45	18.38	20	
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.39	23.47	23.51	25	
3	QPSK	1	8	23.49	23.53	23.48		
3	QPSK	1	16	23.51	23.51	23.43		
3	QPSK	8	0	22.85	22.88	22.58	24	
3	QPSK	8	4	22.88	22.58	22.54		
3	QPSK	8	7	22.83	22.85	22.98		
3	QPSK	16	0	22.62	22.60	22.50	24	
3	WQAM	1	0	22.91	22.92	22.99		
3	WQAM	1	8	22.87	22.97	22.86		
3	WQAM	1	16	22.94	22.90	22.73	23	
3	WQAM	1	4	21.56	21.59	21.57		
3	WQAM	1	8	21.84	21.62	21.63		
3	WQAM	8	7	21.61	21.68	21.67	23	
3	WQAM	16	0	21.69	21.64	21.62		
3	WQAM	1	0	21.85	21.87	21.74		
3	WQAM	1	8	21.78	21.83	21.69	23	
3	WQAM	1	16	21.81	21.79	21.16		
3	WQAM	8	0	20.81	20.80	20.81		
3	WQAM	8	4	20.76	20.72	20.69	22	
3	WQAM	8	7	20.63	20.72	20.41		
3	WQAM	16	0	20.65	20.59	20.59		
3	SSBQAM	1	0	18.46	18.67	18.49	20	
3	SSBQAM	1	8	18.43	18.47	18.51		
3	SSBQAM	1	16	18.45	18.63	18.45		
3	SSBQAM	8	0	18.36	18.44	18.36	20	
3	SSBQAM	8	4	18.46	18.37	18.36		
3	SSBQAM	8	7	18.34	18.42	18.43		
3	SSBQAM	16	0	18.46	18.44	18.35	20	
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.45	23.52	23.43	25	
1.4	QPSK	1	3	23.54	23.58	23.48		
1.4	QPSK	1	5	23.47	23.51	23.39		
1.4	QPSK	1	6	23.53	23.52	23.47	24	
1.4	QPSK	3	1	23.57	23.62	23.50		
1.4	QPSK	3	2	23.53	23.57	23.48		
1.4	QPSK	6	0	22.58	22.64	22.51	24	
1.4	WQAM	1	0	22.79	22.84	22.78		
1.4	WQAM	1	3	22.89	22.84	22.77		
1.4	WQAM	1	5	22.82	22.88	22.72	24	
1.4	WQAM	3	0	22.63	22.64	22.54		
1.4	WQAM	3	1	22.66	22.72	22.60		
1.4	WQAM	3	1	22.61	22.63	22.49	23	
1.4	WQAM	6	0	21.84	21.71	21.58		
1.4	WQAM	1	0	21.74	21.75	21.39		
1.4	WQAM	1	3	21.84	21.81	21.44	23	
1.4	WQAM	1	5	21.78	21.82	21.39		
1.4	WQAM	3	0	21.78	21.74	21.32		
1.4	WQAM	3	1	21.78	21.84	21.44	22	
1.4	WQAM	6	0	20.80	20.65	20.36		
1.4	SSBQAM	1	0	18.46	18.60	18.51		
1.4	SSBQAM	1	3	18.46	18.47	18.51	20	
1.4	SSBQAM	1	5	18.42	18.53	18.54		
1.4	SSBQAM	3	0	18.45	18.47	18.41		
1.4	SSBQAM	3	1	18.39	18.32	18.38	20	
1.4	SSBQAM	3	1	18.34	18.39	18.41		
1.4	SSBQAM	6	0	18.51	18.40	18.42		

Band 7_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Mean Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.87	23.94	23.90	23.94	25.5	
20	QPSK	1	49	23.93	23.99	23.94	23.94		
20	QPSK	1	99	23.99	24.06	24.02	24.02		
20	QPSK	80	0	23.97	23.97	23.97	23.97		
20	QPSK	50	24	23.10	23.08	23.08	23.08	24.5	
20	QPSK	50	50	23.11	23.16	23.13	23.13		
20	QPSK	100	0	23.07	23.07	23.07	23.07		
20	HQAM	1	0	23.27	23.30	23.29	23.29	24.5	
20	HQAM	1	49	23.29	23.38	23.34	23.34		
20	HQAM	1	99	23.33	23.40	23.34	23.34		
20	HQAM	50	0	21.09	21.04	21.02	21.02		
20	HQAM	50	24	22.16	22.16	22.16	22.16	23.5	
20	HQAM	50	50	22.13	22.17	22.14	22.14		
20	HQAM	100	0	22.08	22.07	22.03	22.03		
20	HQAM	1	0	22.06	22.11	22.06	22.11	23.5	
20	HQAM	1	49	22.10	22.26	22.21	22.21		
20	HQAM	1	99	22.24	22.32	22.27	22.27		
20	HQAM	50	0	21.08	21.08	21.05	21.05	22.5	
20	HQAM	50	24	21.12	21.11	21.08	21.08		
20	HQAM	50	50	21.15	21.21	21.15	21.15		
20	HQAM	100	0	21.12	21.05	21.07	21.07		
20	SSBQAM	1	0	19.20	19.27	19.13	19.13	20.5	
20	SSBQAM	1	49	19.26	19.16	19.22	19.22		
20	SSBQAM	1	99	19.12	19.17	19.11	19.11		
20	SSBQAM	50	0	19.12	19.12	19.07	19.07		
20	SSBQAM	50	24	19.22	19.14	19.10	19.10	20.5	
20	SSBQAM	50	50	19.17	19.16	19.13	19.13		
20	SSBQAM	100	0	19.23	19.11	19.05	19.05		
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.83	23.84	23.85	23.85	25.5	
15	QPSK	1	49	23.86	23.90	23.85	23.85		
15	QPSK	1	74	23.97	24.04	23.94	23.94		
15	QPSK	30	0	22.95	22.98	22.93	22.93	24.5	
15	QPSK	30	20	23.08	23.04	23.04	23.04		
15	QPSK	30	39	23.08	23.13	23.08	23.08		
15	QPSK	75	0	23.02	23.01	23.01	23.01		
15	HQAM	1	0	23.23	23.30	23.25	23.25	24.5	
15	HQAM	1	39	23.24	23.36	23.30	23.30		
15	HQAM	1	74	23.31	23.34	23.34	23.34		
15	HQAM	30	0	21.88	22.04	22.01	22.01	23.5	
15	HQAM	30	20	22.10	22.02	21.97	21.97		
15	HQAM	30	39	22.10	22.06	22.14	22.14		
15	HQAM	75	0	21.98	22.05	21.94	21.94		
15	HQAM	1	0	22.07	22.08	22.06	22.06	23.5	
15	HQAM	1	39	22.08	22.20	22.13	22.13		
15	HQAM	1	74	22.14	22.25	22.17	22.17		
15	HQAM	30	0	20.95	20.98	21.02	21.02	22.5	
15	HQAM	30	20	21.03	21.02	21.06	21.06		
15	HQAM	30	39	21.12	21.21	21.06	21.06		
15	HQAM	75	0	21.06	21.05	21.00	21.00		
15	SSBQAM	1	0	19.17	19.25	19.13	19.13	20.5	
15	SSBQAM	1	39	19.16	19.12	19.10	19.10		
15	SSBQAM	1	74	19.24	19.12	19.10	19.10		
15	SSBQAM	30	0	19.04	19.12	19.04	19.04		
15	SSBQAM	30	20	19.14	19.05	19.05	19.05	20.5	
15	SSBQAM	30	39	19.15	19.14	19.08	19.08		
15	SSBQAM	75	0	19.23	19.04	19.07	19.07		
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.89	23.92	23.90	23.90	25.5	
20	QPSK	1	25	23.93	23.90	23.94	23.94		
20	QPSK	1	49	23.96	24.01	23.96	23.96		
20	QPSK	25	0	22.91	22.96	22.97	22.97	24.5	
20	QPSK	25	12	23.07	23.06	23.03	23.03		
20	QPSK	25	25	23.03	23.09	23.03	23.03		
20	QPSK	50	0	22.99	23.06	23.01	23.01		
20	HQAM	1	0	23.17	23.24	23.20	23.20	24.5	
20	HQAM	1	25	23.27	23.34	23.30	23.30		
20	HQAM	1	49	23.31	23.39	23.31	23.31		
20	HQAM	25	0	21.92	22.00	21.94	21.94	23.5	
20	HQAM	25	12	22.07	22.08	22.06	22.06		
20	HQAM	25	25	22.08	22.10	22.07	22.07		
20	HQAM	50	0	22.02	22.04	22.03	22.03	23.5	
20	HQAM	1	0	22.00	22.13	22.10	22.10		
20	HQAM	1	25	22.06	22.16	22.10	22.10		
20	HQAM	1	49	22.14	22.31	22.25	22.25		
20	HQAM	25	0	20.91	21.02	20.96	20.96	22.5	
20	HQAM	25	12	21.04	21.04	21.02	21.02		
20	HQAM	25	25	21.08	21.14	21.09	21.09		
20	HQAM	50	0	21.10	21.05	21.02	21.02		
20	SSBQAM	1	0	19.15	19.19	19.16	19.16	20.5	
20	SSBQAM	1	25	19.20	19.07	19.02	19.02		
20	SSBQAM	1	49	19.10	19.09	19.03	19.03		
20	SSBQAM	25	0	19.03	19.05	19.06	19.06		
20	SSBQAM	25	12	19.21	19.07	19.09	19.09	20.5	
20	SSBQAM	25	25	19.16	19.08	19.06	19.06		
20	SSBQAM	50	0	19.18	19.04	19.09	19.09		
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.84	23.83	23.86	23.86	25.5	
5	QPSK	1	12	23.93	23.93	23.88	23.88		
5	QPSK	1	24	23.89	24.02	23.95	23.95		
5	QPSK	12	0	22.96	22.93	22.99	22.99	24.5	
5	QPSK	12	7	23.09	23.02	23.06	23.06		
5	QPSK	12	13	23.11	23.14	23.13	23.13		
5	QPSK	24	0	23.04	22.98	23.01	23.01	24.5	
5	HQAM	1	0	23.17	23.28	23.19	23.19		
5	HQAM	1	12	23.25	23.33	23.30	23.30		
5	HQAM	1	24	23.32	23.34	23.34	23.34	23.5	
5	HQAM	12	0	21.94	21.98	21.96	21.96		
5	HQAM	12	13	22.03	22.02	22.05	22.05		
5	HQAM	12	13	22.10	22.15	22.14	22.14		
5	HQAM	25	0	22.00	22.07	21.95	21.95	23.5	
5	HQAM	1	0	22.01	22.10	22.09	22.09		
5	HQAM	1	12	22.10	22.21	22.15	22.15		
5	HQAM	1	24	22.15	22.31	22.19	22.19		
5	HQAM	12	13	21.08	21.17	21.08	21.08	22.5	
5	HQAM	25	0	21.04	21.02	21.07	21.07		
5	SSBQAM	1	0	19.11	19.25	19.11	19.11	20.5	
5	SSBQAM	1	12	19.26	19.06	19.15	19.15		
5	SSBQAM	1	24	19.08	19.10	19.03	19.03		
5	SSBQAM	12	0	19.08	19.06	19.06	19.06		
5	SSBQAM	12	7	19.22	19.13	19.03	19.03	20.5	
5	SSBQAM	12	13	19.12	19.07	19.13	19.13		
5	SSBQAM	25	0	19.22	19.07	19.02	19.02		

Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq	Power High Ch. 1 Freq	Power High Ch. 2 Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	21.53			25
10	QPSK	1	25	21.51			
10	QPSK	1	49	21.57			
10	QPSK	25	0	22.60			
10	QPSK	25	12	22.61			24
10	QPSK	25	25	22.65			
10	QPSK	50	0	22.61			
10	QPSK	50	0	22.62			
10	16QAM	1	0	22.66			24
10	16QAM	1	25	22.68			
10	16QAM	1	49	22.68			
10	16QAM	25	0	21.81			
10	16QAM	25	12	21.86			23
10	16QAM	25	25	21.89			
10	16QAM	50	0	21.94			
10	16QAM	50	0	21.96			
10	16QAM	1	25	21.91			23
10	16QAM	1	49	21.78			
10	16QAM	25	0	20.85			
10	16QAM	25	12	20.89			
10	16QAM	25	25	20.71			22
10	16QAM	50	0	20.68			
10	256QAM	1	0	18.25			
10	256QAM	1	25	18.50			
10	256QAM	1	49	18.76			20
10	256QAM	25	0	18.41			
10	256QAM	25	12	18.46			
10	256QAM	25	25	18.59			
10	256QAM	50	0	18.44			
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.45	23.48	23.22	25
5	QPSK	1	49	23.50	23.54	23.34	
5	QPSK	1	24	23.55	23.56	23.31	
5	QPSK	12	0	22.58	22.59	22.32	
5	QPSK	12	7	22.52	22.53	22.40	24
5	QPSK	12	13	22.85	22.87	22.38	
5	QPSK	25	0	22.65	22.63	22.37	
5	16QAM	1	0	22.84	22.78	22.50	
5	16QAM	1	12	22.75	22.82	22.48	24
5	16QAM	1	24	22.84	22.80	22.51	
5	16QAM	12	0	21.82	21.84	21.38	
5	16QAM	12	7	21.88	21.84	21.43	
5	16QAM	12	13	21.88	21.71	21.42	23
5	16QAM	25	0	21.70	21.63	21.41	
5	16QAM	1	0	21.73	21.68	21.42	
5	16QAM	1	49	21.68	21.81	21.43	
5	16QAM	1	24	21.77	21.81	21.48	23
5	16QAM	12	0	20.86	20.70	20.43	
5	16QAM	12	7	20.72	20.87	20.45	
5	16QAM	12	13	20.71	20.75	20.45	
5	16QAM	25	0	20.73	20.86	20.42	22
5	256QAM	1	0	18.16	18.24	18.25	
5	256QAM	1	12	18.43	18.45	18.47	
5	256QAM	1	24	18.65	18.67	18.66	
5	256QAM	12	0	18.37	18.35	18.38	
5	256QAM	12	7	18.48	18.36	18.40	20
5	256QAM	12	13	18.38	18.55	18.54	
5	256QAM	25	0	18.37	18.34	18.41	
5	256QAM	25	0	18.37	18.34	18.41	

Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Time-up (ms)	
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.66	23.66	25	
10	QPSK	1	25	23.60	23.60		
10	QPSK	1	49	23.58	23.58		
10	QPSK	25	0	22.63	22.63	24	
10	QPSK	25	12	22.65	22.65		
10	QPSK	25	25	22.74	22.74		
10	QPSK	50	0	22.67	22.67	24	
10	WQAM	1	0	23.62	23.62		
10	WQAM	1	25	22.99	22.99		
10	WQAM	1	49	22.97	22.97	23	
10	WQAM	25	0	21.82	21.82		
10	WQAM	25	12	21.86	21.86		
10	WQAM	25	25	21.73	21.73	23	
10	WQAM	50	0	21.98	21.98		
10	WQAM	1	0	21.92	21.92	23	
10	WQAM	1	25	21.95	21.95		
10	WQAM	1	49	21.99	21.99		
10	WQAM	25	0	20.87	20.87	22	
10	WQAM	25	12	20.89	20.89		
10	WQAM	25	25	20.76	20.76		
10	WQAM	50	0	20.87	20.87	20	
10	256QAM	1	0	18.45	18.45		
10	256QAM	1	25	18.58	18.58		
10	256QAM	1	49	18.74	18.74	20	
10	256QAM	25	0	18.50	18.50		
10	256QAM	25	12	18.44	18.44		
10	256QAM	25	25	18.47	18.47	20	
10	256QAM	50	0	18.59	18.59		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.58	23.55	23.58	25
5	QPSK	1	12	23.63	23.60	23.64	
5	QPSK	1	24	23.65	23.64	23.56	
5	QPSK	12	0	22.71	22.65	22.84	24
5	QPSK	12	6	22.76	22.73	22.70	
5	QPSK	12	12	22.71	22.73	22.68	
5	QPSK	25	0	22.69	22.66	22.63	24
5	WQAM	1	0	22.91	22.92	22.87	
5	WQAM	1	12	23.09	23.02	22.98	
5	WQAM	1	24	22.96	23.00	22.99	23
5	WQAM	12	0	21.73	21.68	21.64	
5	WQAM	12	6	21.77	21.77	21.73	
5	WQAM	12	12	21.73	21.72	21.66	23
5	WQAM	25	0	21.71	21.68	21.64	
5	WQAM	1	0	21.87	21.89	21.85	
5	WQAM	1	12	21.93	22.00	21.94	23
5	WQAM	1	24	21.90	21.95	21.92	
5	WQAM	12	0	20.80	20.71	20.89	
5	WQAM	12	6	20.78	20.83	20.75	22
5	WQAM	12	12	20.75	20.76	20.89	
5	WQAM	25	0	20.72	20.67	20.89	
5	256QAM	1	0	18.36	18.37	18.42	20
5	256QAM	1	12	18.55	18.48	18.52	
5	256QAM	1	24	18.74	18.72	18.67	
5	256QAM	12	0	18.50	18.42	18.48	20
5	256QAM	12	6	18.38	18.34	18.35	
5	256QAM	12	12	18.47	18.46	18.39	
5	256QAM	25	0	18.40	18.47	18.44	20
5	256QAM	25	6	18.40	18.47	18.44	
5	256QAM	25	12	18.40	18.47	18.44	

Band 17_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Main Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power Main Ch.2 Freq.	Power High Ch.2 Freq.
Channel				700	710	711			
10	QPSK	1	0	23.38	23.38	23.38			
10	QPSK	1	49	23.37	23.37	23.37			
10	QPSK	25	0	23.38	23.38	23.38			
10	QPSK	25	12	22.52	22.52	22.52			
10	QPSK	25	25	22.59	22.57	22.55			
10	QPSK	50	0	22.47	22.48	22.45			
10	WQAM	1	0	22.70	22.68	22.69			
10	WQAM	1	25	22.70	22.76	22.74			
10	WQAM	1	49	22.76	22.80	22.77			
10	WQAM	25	0	21.41	21.41	21.41			
10	WQAM	25	12	21.55	21.48	21.47			
10	WQAM	25	25	21.57	21.54	21.51			
10	WQAM	50	0	21.44	21.46	21.42			
10	WQAM	1	0	21.55	21.54	21.55			
10	WQAM	1	25	21.57	21.58	21.58			
10	WQAM	1	49	21.53	21.60	21.48			
10	WQAM	25	0	20.42	20.43	20.44			
10	WQAM	25	12	20.59	20.51	20.51			
10	WQAM	25	25	20.59	20.58	20.58			
10	WQAM	50	0	20.49	20.47	20.46			
10	256QAM	1	0	18.34	18.39	18.22			
10	256QAM	1	25	18.43	18.45	18.47			
10	256QAM	1	49	18.54	18.47	18.38			
10	256QAM	25	0	18.31	18.27	18.30			
10	256QAM	25	12	18.30	18.40	18.34			
10	256QAM	25	25	18.40	18.37	18.39			
10	256QAM	50	0	18.27	18.40	18.31			
Channel				700.5	710	713.5			
5	QPSK	1	0	23.33	23.28	23.27			
5	QPSK	1	49	23.43	23.42	23.30			
5	QPSK	1	24	23.43	23.44	23.40			
5	QPSK	12	0	22.44	22.48	22.41			
5	QPSK	12	13	22.51	22.48	22.43			
5	QPSK	12	13	22.53	22.52	22.45			
5	QPSK	25	0	22.49	22.47	22.42			
5	WQAM	1	0	22.65	22.67	22.66			
5	WQAM	1	12	22.74	22.78	22.70			
5	WQAM	1	24	22.78	22.79	22.75			
5	WQAM	12	0	21.48	21.47	21.48			
5	WQAM	12	7	21.53	21.52	21.45			
5	WQAM	12	13	21.54	21.52	21.47			
5	WQAM	25	0	21.51	21.48	21.44			
5	WQAM	1	0	21.57	21.66	21.63			
5	WQAM	1	49	21.66	21.70	21.64			
5	WQAM	1	24	21.79	21.76	21.67			
5	WQAM	12	0	20.50	20.49	20.47			
5	WQAM	12	7	20.57	20.55	20.51			
5	WQAM	12	13	20.57	20.58	20.52			
5	WQAM	25	0	20.51	20.49	20.41			
5	256QAM	1	0	18.25	18.31	18.16			
5	256QAM	1	12	18.40	18.45	18.42			
5	256QAM	1	24	18.52	18.39	18.37			
5	256QAM	12	0	18.26	18.25	18.25			
5	256QAM	12	7	18.26	18.33	18.30			
5	256QAM	12	13	18.36	18.37	18.37			
5	256QAM	25	0	18.30	18.30	18.31			

Band 30_Ant 0								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.87			25.7	
10	QPSK	1	25	23.88				
10	QPSK	1	49	23.85				
10	QPSK	25	0	22.90			24.7	
10	QPSK	25	12	22.94				
10	QPSK	25	25	22.96				
10	QPSK	50	0	22.94			24.7	
10	16QAM	1	0	23.21				
10	16QAM	1	25	23.25				
10	16QAM	1	49	23.23			23.7	
10	16QAM	25	0	21.88				
10	16QAM	25	12	21.97				
10	16QAM	25	25	21.94			23.7	
10	16QAM	50	0	21.93				
10	16QAM	1	0	20.96			22.7	
10	16QAM	1	25	22.17				
10	16QAM	1	49	22.02				
10	16QAM	25	0	20.92			22.7	
10	16QAM	25	12	21.82				
10	16QAM	25	25	20.95				
10	16QAM	50	0	20.88			20.7	
10	256QAM	1	0	19.20				
10	256QAM	1	25	19.23				
10	256QAM	1	49	19.13			20.7	
10	256QAM	25	0	18.96				
10	256QAM	25	12	19.06				
10	256QAM	25	25	19.03			20.7	
10	256QAM	50	0	19.03				
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.75	23.79	23.88	25.7	
5	QPSK	1	12	23.82	23.80	23.88		
5	QPSK	1	24	23.85	23.82	23.79		
5	QPSK	12	0	22.87	22.89	22.94	24.7	
5	QPSK	12	1	22.99	22.94	22.98		
5	QPSK	12	13	22.89	22.93	22.96		
5	QPSK	25	0	22.97	22.94	22.96	24.7	
5	16QAM	1	0	23.07	23.10	23.17		
5	16QAM	1	12	23.18	23.19	23.18		
5	16QAM	1	24	23.24	23.18	23.25	23.7	
5	16QAM	12	0	21.88	21.92	21.95		
5	16QAM	12	7	22.01	21.98	22.00		
5	16QAM	12	13	22.01	21.95	21.99	23.7	
5	16QAM	25	0	21.98	21.94	21.98		
5	16QAM	1	0	22.03	22.08	22.17	23.7	
5	16QAM	1	12	22.10	22.14	22.17		
5	16QAM	1	24	22.16	22.10	22.13		
5	16QAM	12	0	20.94	20.96	20.93	22.7	
5	16QAM	12	7	21.05	21.02	21.05		
5	16QAM	12	13	21.05	21.00	21.03		
5	16QAM	25	0	21.01	21.00	20.86	20.7	
5	256QAM	1	0	19.11	19.11	19.18		
5	256QAM	1	12	19.21	19.19	19.22		
5	256QAM	1	24	19.08	19.05	19.10	20.7	
5	256QAM	12	7	18.99	19.04	19.06		
5	256QAM	12	13	19.03	19.03	19.06		
5	256QAM	25	0	19.03	19.03	19.06	20.7	
5	256QAM	1	0	19.03	19.03	19.06		
5	256QAM	1	12	19.03	19.03	19.06		

Band 71_Ant 1										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Time-up (ms)	Time-down (ms)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.48	23.48	23.37			25	
20	QPSK	1	49	23.42	23.41	23.37				
20	QPSK	1	99	23.36	23.39	23.35				
20	QPSK	80	0	22.57	22.58	22.48				
20	QPSK	50	24	22.54	22.48	22.48			24	
20	QPSK	50	50	22.58	22.51	22.50				
20	QPSK	100	0	22.51	22.52	22.48				
20	WQAM	1	0	22.86	22.82	22.74				
20	WQAM	1	49	22.77	22.77	22.76			24	
20	WQAM	99	0	22.71	22.72	22.71				
20	WQAM	50	0	21.59	21.53	21.48				
20	WQAM	50	24	21.61	21.51	21.48				
20	WQAM	50	50	21.58	21.53	21.50			23	
20	WQAM	100	0	21.59	21.48	21.48				
20	WQAM	1	0	21.75	21.61	21.61				
20	WQAM	1	49	21.58	21.50	21.58				
20	WQAM	1	99	21.59	21.63	21.60			22	
20	WQAM	80	0	20.55	20.56	20.47				
20	WQAM	50	24	20.83	20.54	20.51				
20	WQAM	50	50	20.80	20.58	20.53				
20	WQAM	100	0	20.81	20.52	20.49			20	
20	SSBQAM	1	0	18.58	18.44	18.57				
20	SSBQAM	1	49	18.57	18.52	18.48				
20	SSBQAM	99	0	18.46	18.45	18.48				
20	SSBQAM	50	0	18.47	18.43	18.30				
20	SSBQAM	50	24	18.41	18.36	18.29			20	
20	SSBQAM	50	50	18.35	18.35	18.27				
20	SSBQAM	100	0	18.43	18.38	18.29				
Channel										
Frequency (MHz)										
18	QPSK	1	0	23.41	23.48	23.29			25	
18	QPSK	1	49	23.40	23.37	23.35				
18	QPSK	1	74	23.25	23.32	23.27				
18	QPSK	39	0	22.49	22.48	22.41				
18	QPSK	39	20	22.50	22.45	22.45			24	
18	QPSK	39	39	22.47	22.41	22.44				
18	QPSK	75	0	22.47	22.45	22.42				
18	WQAM	1	0	22.80	22.82	22.71				
18	WQAM	1	39	22.75	22.87	22.88			24	
18	WQAM	1	74	22.68	22.70	22.70				
18	WQAM	39	0	21.53	21.53	21.44				
18	WQAM	39	20	21.58	21.42	21.44				
18	WQAM	39	39	21.48	21.51	21.45			23	
18	WQAM	75	0	21.53	21.41	21.44				
18	WQAM	1	0	21.69	21.57	21.62				
18	WQAM	1	74	21.56	21.51	21.55				
18	WQAM	1	74	21.50	21.58	21.60			22	
18	WQAM	39	0	20.47	20.49	20.42				
18	WQAM	39	20	20.52	20.54	20.50				
18	WQAM	39	39	20.52	20.54	20.50				
18	WQAM	75	0	20.58	20.48	20.49			20	
18	SSBQAM	1	0	18.53	18.40	18.55				
18	SSBQAM	1	39	18.52	18.31	18.43				
18	SSBQAM	39	0	18.46	18.40	18.47				
18	SSBQAM	39	0	18.43	18.40	18.34			20	
18	SSBQAM	39	20	18.38	18.35	18.23				
18	SSBQAM	39	39	18.26	18.30	18.32				
18	SSBQAM	75	0	18.39	18.33	18.19				
Channel										
Frequency (MHz)										
16	QPSK	1	0	23.40	23.48	23.35			25	
16	QPSK	1	25	23.40	23.38	23.34				
16	QPSK	1	49	23.25	23.34	23.34				
16	QPSK	25	0	22.57	22.53	22.39				
16	QPSK	25	12	22.53	22.48	22.47			24	
16	QPSK	25	25	22.51	22.48	22.45				
16	QPSK	50	0	22.48	22.45	22.40				
16	WQAM	1	0	22.86	22.82	22.70				
16	WQAM	1	25	22.87	22.89	22.78			24	
16	WQAM	1	49	22.84	22.82	22.85				
16	WQAM	25	0	21.52	21.52	21.39				
16	WQAM	25	12	21.59	21.51	21.46				
16	WQAM	25	25	21.50	21.43	21.48			23	
16	WQAM	50	0	21.54	21.48	21.45				
16	WQAM	1	0	21.72	21.63	21.55				
16	WQAM	1	25	21.84	21.57	21.53				
16	WQAM	1	49	21.49	21.55	21.59			22	
16	WQAM	25	0	20.40	20.56	20.45				
16	WQAM	25	12	20.62	20.45	20.45				
16	WQAM	25	25	20.58	20.53	20.51				
16	WQAM	50	0	20.58	20.50	20.42			20	
16	SSBQAM	1	0	18.48	18.39	18.52				
16	SSBQAM	1	25	18.47	18.24	18.41				
16	SSBQAM	1	49	18.45	18.43	18.44				
16	SSBQAM	25	0	18.38	18.40	18.32			20	
16	SSBQAM	25	12	18.34	18.28	18.23				
16	SSBQAM	25	25	18.33	18.34	18.23				
16	SSBQAM	50	0	18.41	18.28	18.23				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.41	23.45	23.31			25	
5	QPSK	1	12	23.36	23.41	23.31				
5	QPSK	1	24	23.28	23.38	23.29				
5	QPSK	18	0	22.50	22.55	22.38				
5	QPSK	12	7	22.45	22.43	22.39			24	
5	QPSK	12	13	22.50	22.44	22.48				
5	QPSK	24	0	22.43	22.44	22.42				
5	WQAM	1	0	22.79	22.77	22.85				
5	WQAM	1	12	22.76	22.74	22.87			24	
5	WQAM	1	24	22.62	22.69	22.62				
5	WQAM	12	0	21.49	21.52	21.48				
5	WQAM	18	0	21.54	21.46	21.45				
5	WQAM	12	13	21.49	21.48	21.49			23	
5	WQAM	25	0	21.53	21.39	21.46				
5	WQAM	1	0	21.73	21.60	21.58				
5	WQAM	1	12	21.82	21.88	21.85				
5	WQAM	1	24	21.59	21.60	21.59			22	
5	WQAM	12	0	20.48	20.47	20.43				
5	WQAM	12	13	20.59	20.54	20.48				
5	WQAM	25	0	20.59	20.52	20.47				
5	SSBQAM	1	0	18.55	18.38	18.49			20	
5	SSBQAM	1	12	18.57	18.23	18.46				
5	SSBQAM	1	24	18.42	18.41	18.48				
5	SSBQAM	12	0	18.47	18.35	18.32				
5	SSBQAM	18	0	18.40	18.32	18.27			20	
5	SSBQAM	12	13	18.30	18.26	18.20				
5	SSBQAM	25	0	18.34	18.27	18.22				

Band 5_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Power Low Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.48	24.54	24.55	24.61	25.7	
10	QPSK	1	49	24.48	24.52	24.53	24.57		
10	QPSK	1	49	24.58	24.48	24.43	24.43		
10	QPSK	20	0	23.55	23.64	23.63	23.63	24.7	
10	QPSK	20	12	23.69	23.65	23.62	23.62		
10	QPSK	25	25	23.63	23.67	23.62	23.62		
10	QPSK	50	0	23.07	23.04	23.03	23.03	24.7	
10	WQAM	1	0	23.88	23.89	23.84	23.84		
10	WQAM	1	25	23.90	23.91	23.91	23.91	24.7	
10	WQAM	1	49	23.95	23.90	23.81	23.81		
10	WQAM	25	0	22.57	22.52	22.53	22.53		
10	WQAM	25	12	22.58	22.54	22.57	22.57	23.7	
10	WQAM	25	25	22.64	22.63	22.58	22.58		
10	WQAM	50	0	22.98	22.92	22.93	22.93		
10	WQAM	1	0	22.94	22.94	22.94	22.94	23.7	
10	WQAM	1	25	22.92	22.97	22.92	22.92		
10	WQAM	1	49	22.82	22.81	22.78	22.78		
10	WQAM	20	0	21.62	21.66	21.64	21.64	22.7	
10	WQAM	20	12	21.71	21.69	21.67	21.67		
10	WQAM	25	25	21.86	21.70	21.57	21.57		
10	WQAM	50	0	21.70	21.69	21.62	21.62	20.7	
10	SSBQAM	1	0	19.40	19.53	19.52	19.52		
10	SSBQAM	1	25	19.44	19.45	19.44	19.44	20.7	
10	SSBQAM	1	49	19.52	19.48	19.37	19.37		
10	SSBQAM	25	0	19.41	19.41	19.43	19.43		
10	SSBQAM	25	12	19.44	19.39	19.35	19.35	20.7	
10	SSBQAM	25	25	19.34	19.38	19.28	19.28		
10	SSBQAM	50	0	19.44	19.37	19.38	19.38		
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.54	24.52	24.48	24.48	25.7	
5	QPSK	1	49	24.50	24.53	24.48	24.48		
5	QPSK	1	24	24.48	24.48	24.48	24.48		
5	QPSK	12	0	23.59	23.70	23.61	23.61	24.7	
5	QPSK	12	13	23.68	23.67	23.65	23.65		
5	QPSK	12	13	23.80	23.85	23.84	23.84		
5	QPSK	25	0	23.63	23.69	23.65	23.65		
5	WQAM	1	0	23.90	23.95	23.89	23.89	24.7	
5	WQAM	1	12	23.89	23.95	23.83	23.83		
5	WQAM	1	24	23.89	23.91	23.78	23.78		
5	WQAM	12	0	22.84	22.72	22.81	22.81	23.7	
5	WQAM	12	7	22.98	22.99	22.98	22.98		
5	WQAM	12	13	22.81	22.87	22.87	22.87		
5	WQAM	25	0	22.69	22.71	22.58	22.58		
5	WQAM	1	0	22.81	22.90	22.82	22.82	23.7	
5	WQAM	1	12	22.80	22.86	22.87	22.87		
5	WQAM	1	24	22.82	22.86	22.72	22.72		
5	WQAM	12	0	21.89	21.75	21.87	21.87	22.7	
5	WQAM	12	7	21.73	21.75	21.41	21.41		
5	WQAM	12	13	21.86	21.70	21.22	21.22		
5	WQAM	25	0	21.98	21.74	21.45	21.45	20.7	
5	SSBQAM	1	0	19.53	19.48	19.44	19.44		
5	SSBQAM	1	12	19.40	19.41	19.41	19.41		
5	SSBQAM	1	24	19.52	19.48	19.34	19.34	20.7	
5	SSBQAM	12	0	19.35	19.32	19.43	19.43		
5	SSBQAM	12	7	19.37	19.28	19.30	19.30		
5	SSBQAM	12	13	19.33	19.28	19.18	19.18	20.7	
5	SSBQAM	25	0	19.34	19.37	19.31	19.31		
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.80	23.87	23.85	23.85	25.7	
3	QPSK	1	8	23.87	23.94	23.83	23.83		
3	QPSK	8	0	23.78	23.83	23.71	23.71	24.7	
3	QPSK	8	0	22.89	22.93	22.87	22.87		
3	QPSK	8	4	22.95	23.01	22.87	22.87		
3	QPSK	8	7	22.88	22.93	22.83	22.83	24.7	
3	QPSK	16	0	22.90	22.97	22.86	22.86		
3	WQAM	1	0	23.13	23.17	23.17	23.17	24.7	
3	WQAM	8	0	23.26	23.30	23.13	23.13		
3	WQAM	1	14	23.11	23.18	23.03	23.03		
3	WQAM	8	4	21.96	22.00	21.84	21.84	23.7	
3	WQAM	8	7	21.98	22.06	21.96	21.96		
3	WQAM	8	7	21.95	21.98	21.87	21.87		
3	WQAM	16	0	21.96	22.01	21.80	21.80	23.7	
3	WQAM	1	0	23.03	22.15	21.90	21.90		
3	WQAM	1	8	23.13	22.21	21.71	21.71		
3	WQAM	1	14	23.02	22.09	21.70	21.70	22.7	
3	WQAM	8	0	21.90	21.80	20.78	20.78		
3	WQAM	8	4	21.94	21.03	21.78	21.78		
3	WQAM	8	7	21.89	20.98	21.71	21.71		
3	WQAM	16	0	21.92	20.98	21.72	21.72	20.7	
3	SSBQAM	1	0	19.40	19.42	19.46	19.46		
3	SSBQAM	1	14	19.48	19.47	19.29	19.29		
3	SSBQAM	8	0	19.36	19.41	19.33	19.33	20.7	
3	SSBQAM	8	4	19.35	19.19	19.27	19.27		
3	SSBQAM	8	7	19.33	19.33	19.20	19.20		
3	SSBQAM	16	0	19.38	19.38	19.31	19.31		
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.14	23.19	23.10	23.10	25.7	
1.4	QPSK	1	3	23.80	23.86	23.76	23.76		
1.4	QPSK	1	5	23.70	23.80	23.71	23.71	25.7	
1.4	QPSK	3	0	23.80	23.80	23.75	23.75		
1.4	QPSK	3	1	23.83	23.80	23.80	23.80		
1.4	QPSK	3	3	23.78	23.81	23.72	23.72	24.7	
1.4	QPSK	6	0	22.63	22.91	22.77	22.77		
1.4	WQAM	1	0	23.02	23.11	23.07	23.07	24.7	
1.4	WQAM	1	3	23.14	23.21	23.12	23.12		
1.4	WQAM	1	5	23.07	23.12	23.00	23.00		
1.4	WQAM	3	0	22.89	22.89	22.82	22.82		
1.4	WQAM	3	1	22.93	23.00	22.86	22.86	23.7	
1.4	WQAM	3	1	22.83	22.91	22.78	22.78		
1.4	WQAM	6	0	21.91	21.99	21.86	21.86		
1.4	WQAM	1	0	21.06	22.04	21.72	21.72	23.7	
1.4	WQAM	1	3	22.10	22.15	21.78	21.78		
1.4	WQAM	1	5	22.00	22.04	21.72	21.72		
1.4	WQAM	3	0	21.99	21.97	21.73	21.73		
1.4	WQAM	3	1	21.94	22.00	21.73	21.73	22.7	
1.4	WQAM	6	0	20.78	20.84	20.74	20.74		
1.4	SSBQAM	1	0	19.40	19.48	19.47	19.47	20.7	
1.4	SSBQAM	1	3	19.37	19.41	19.41	19.41		
1.4	SSBQAM	1	5	19.47	19.47	19.27	19.27		
1.4	SSBQAM	3	0	19.31	19.39	19.38	19.38		
1.4	SSBQAM	3	1	19.44	19.38	19.28	19.28		
1.4	SSBQAM	3	1	19.27	19.38	19.23	19.23	20.7	
1.4	SSBQAM	6	0	19.38	19.36	19.30	19.30		

Band 7_Ant 2								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mean Ch / Freq	Power High Ch / Freq	Time-up (sec)	
Channel								
Frequency (MHz)								
20	QPSK	1	0	24.62	24.64	24.63	25.7	
20	QPSK	1	49	24.67	24.75	24.76		
20	QPSK	1	99	24.71	24.79	24.73		
20	QPSK	84	0	23.76	23.78	23.75		
20	QPSK	50	24	23.88	23.84	23.80	24.7	
20	QPSK	50	50	23.89	23.94	23.89		
20	QPSK	100	0	23.98	23.94	23.78		
20	HQAM	1	0	23.98	24.01	23.98		
20	HQAM	1	49	24.05	24.07	24.06	24.7	
20	HQAM	1	99	24.05	24.15	24.03		
20	HQAM	50	0	22.77	22.81	22.77		
20	HQAM	50	24	22.96	22.96	22.83		
20	HQAM	50	50	22.93	22.98	22.92	23.7	
20	HQAM	100	0	22.88	22.93	22.78		
20	HQAM	1	0	22.81	22.85	22.81		
20	HQAM	1	49	22.93	22.95	22.77		
20	HQAM	1	99	23.00	23.06	22.76	22.7	
20	HQAM	50	0	21.80	21.84	21.70		
20	HQAM	50	24	21.93	21.89	21.77		
20	HQAM	50	50	21.93	21.96	21.87		
20	HQAM	100	0	21.92	21.84	21.82	20.7	
20	SSBQAM	1	0	20.22	20.38	19.98		
20	SSBQAM	1	49	20.33	20.08	20.01		
20	SSBQAM	99	20.24	20.16	20.11			
20	SSBQAM	50	0	20.93	20.91	19.94	20.7	
20	SSBQAM	50	24	20.12	20.07	19.95		
20	SSBQAM	50	50	20.12	20.00	20.03		
20	SSBQAM	100	0	20.13	19.99	19.93		
Channel								
Frequency (MHz)								
15	QPSK	1	0	24.54	24.59	24.58	25.7	
15	QPSK	1	49	24.59	24.72	24.64		
15	QPSK	1	74	24.63	24.70	24.63		
15	QPSK	36	0	23.72	23.76	23.65		
15	QPSK	36	20	23.78	23.84	23.71	24.7	
15	QPSK	36	39	23.84	23.85	23.80		
15	QPSK	75	0	23.78	23.79	23.74		
15	HQAM	1	0	23.95	23.98	23.92		
15	HQAM	1	37	24.00	24.05	23.98	24.7	
15	HQAM	1	74	23.96	24.07	23.93		
15	HQAM	36	0	22.75	22.79	22.74		
15	HQAM	36	20	22.83	22.79	22.82		
15	HQAM	36	39	22.86	22.92	22.82	23.7	
15	HQAM	75	0	22.78	22.78	22.72		
15	HQAM	1	0	22.77	22.84	22.85		
15	HQAM	1	49	22.83	22.86	22.88		
15	HQAM	1	74	22.95	23.04	22.98	22.7	
15	HQAM	36	0	21.80	21.83	21.75		
15	HQAM	36	20	21.90	21.88	21.77		
15	HQAM	36	39	21.90	21.91	21.85		
15	HQAM	75	0	21.84	21.79	21.76	20.7	
15	SSBQAM	1	0	20.20	20.23	19.98		
15	SSBQAM	1	37	20.30	20.05	20.05		
15	SSBQAM	36	20	20.16	20.11	20.05		
15	SSBQAM	36	0	19.95	19.95	19.98	20.7	
15	SSBQAM	36	20	20.07	19.99	19.85		
15	SSBQAM	36	39	20.07	19.96	20.03		
15	SSBQAM	75	0	20.08	19.94	19.95		
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.58	24.64	24.57	25.7	
10	QPSK	1	25	24.58	24.70	24.62		
10	QPSK	1	49	24.62	24.73	24.71		
10	QPSK	25	0	23.73	23.69	23.75		
10	QPSK	25	12	23.81	23.74	23.80	24.7	
10	QPSK	25	25	23.87	23.88	23.80		
10	QPSK	50	0	23.76	23.79	23.75		
10	HQAM	1	0	23.94	24.01	23.94		
10	HQAM	1	25	23.98	24.04	23.99	24.7	
10	HQAM	1	49	24.05	24.07	23.95		
10	HQAM	25	0	22.76	22.80	22.75		
10	HQAM	25	12	22.87	22.78	22.82		
10	HQAM	25	25	22.85	22.98	22.87	23.7	
10	HQAM	50	0	22.84	22.80	22.80		
10	HQAM	1	0	22.74	22.77	22.84		
10	HQAM	1	25	22.83	22.95	22.74		
10	HQAM	1	49	22.95	22.99	22.72	22.7	
10	HQAM	25	0	21.76	21.74	21.76		
10	HQAM	25	12	21.85	21.86	21.70		
10	HQAM	25	25	21.93	21.89	21.86		
10	HQAM	50	0	21.84	21.78	21.72	20.7	
10	SSBQAM	1	0	20.17	19.98	19.97		
10	SSBQAM	1	25	20.23	20.07	20.01		
10	SSBQAM	1	49	20.14	20.10	20.04		
10	SSBQAM	25	0	19.93	20.01	19.94	20.7	
10	SSBQAM	25	12	20.08	20.00	19.95		
10	SSBQAM	25	25	20.10	19.99	19.97		
10	SSBQAM	50	0	20.03	19.99	19.92		
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.54	24.62	24.61	25.7	
5	QPSK	1	12	24.59	24.65	24.67		
5	QPSK	1	24	24.68	24.72	24.69		
5	QPSK	12	0	23.70	23.75	23.71		
5	QPSK	12	7	23.81	23.74	23.70	24.7	
5	QPSK	12	13	23.83	23.93	23.80		
5	QPSK	24	0	23.78	23.84	23.75		
5	HQAM	1	0	23.94	23.98	23.97		
5	HQAM	1	12	23.97	24.05	24.05	24.7	
5	HQAM	1	24	24.00	24.11	24.03		
5	HQAM	12	0	22.68	22.71	22.71		
5	HQAM	12	13	22.81	22.86	22.81		
5	HQAM	12	13	22.89	22.93	22.84	23.7	
5	HQAM	25	0	22.86	22.77	22.73		
5	HQAM	1	0	22.78	22.77	22.83		
5	HQAM	1	12	22.84	22.89	22.73		
5	HQAM	1	24	22.97	23.05	22.78	22.7	
5	HQAM	12	13	21.78	21.82	21.74		
5	HQAM	12	7	21.87	21.86	21.71		
5	HQAM	12	13	21.84	21.88	21.82		
5	SSBQAM	1	0	20.28	20.00	20.05	20.7	
5	SSBQAM	1	24	20.18	20.11	20.03		
5	SSBQAM	12	0	20.03	19.98	19.91		
5	SSBQAM	12	13	20.07	20.07	19.85		
5	SSBQAM	12	13	20.09	19.98	19.99	20.7	
5	SSBQAM	25	0	20.06	19.92	19.83		

Band 13_Ant 0						
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel						
Frequency (MHz)						
10	QPSK	1	0	23.98		25.2
10	QPSK	1	25	24.02		
10	QPSK	1	49	24.10		
10	QPSK	25	0	23.16		24.2
10	QPSK	25	12	23.17		
10	QPSK	25	25	23.19		
10	QPSK	50	0	23.18		24.2
10	16QAM	1	0	23.38		
10	16QAM	1	25	23.37		
10	16QAM	1	49	23.40		23.2
10	16QAM	25	0	22.17		
10	16QAM	25	12	22.20		
10	16QAM	25	25	22.22		23.2
10	16QAM	50	0	22.19		
10	16QAM	1	0	22.21		
10	16QAM	1	25	22.32		22.2
10	16QAM	1	49	22.34		
10	16QAM	25	0	21.17		
10	16QAM	25	12	21.24		20.2
10	16QAM	25	25	21.23		
10	16QAM	50	0	21.23		
10	256QAM	1	0	18.81		20.2
10	256QAM	1	25	18.97		
10	256QAM	1	49	18.91		
10	256QAM	25	0	18.78		20.2
10	256QAM	25	12	18.86		
10	256QAM	25	25	18.89		
10	256QAM	50	0	18.84		
Channel						
Frequency (MHz)						
5	QPSK	1	0	23.93	23.98	25.2
5	QPSK	1	12	24.04	24.07	
5	QPSK	1	24	24.07	24.08	
5	QPSK	12	0	23.19	23.13	24.2
5	QPSK	12	1	23.18	23.15	
5	QPSK	12	13	23.19	23.21	
5	QPSK	25	0	23.18	23.14	24.2
5	16QAM	1	0	23.31	23.29	
5	16QAM	1	12	23.29	23.33	
5	16QAM	1	24	23.37	23.36	23.2
5	16QAM	12	0	22.20	22.17	
5	16QAM	12	7	22.20	22.17	
5	16QAM	12	13	22.21	22.22	23.2
5	16QAM	25	0	22.23	22.18	
5	16QAM	25	0	22.19	22.28	
5	16QAM	1	0	22.19	22.28	23.2
5	16QAM	1	12	22.25	22.26	
5	16QAM	1	24	22.29	22.32	
5	16QAM	12	0	21.22	21.23	22.2
5	16QAM	12	7	21.26	21.21	
5	16QAM	12	13	21.25	21.26	
5	256QAM	1	0	18.93	18.96	20.2
5	256QAM	1	12	18.93	18.96	
5	256QAM	1	24	18.96	18.96	
5	256QAM	12	7	18.83	18.78	20.2
5	256QAM	12	13	18.82	18.84	
5	256QAM	25	0	18.77	18.77	

Band 14_Ant 0								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.59	24.59		25.7	
10	QPSK	1	25	24.53	24.53			
10	QPSK	1	49	24.48	24.48			
10	QPSK	25	0	23.55	23.55		24.7	
10	QPSK	25	12	23.57	23.57			
10	QPSK	25	25	23.63	23.63			
10	QPSK	50	0	23.55	23.55		24.7	
10	16QAM	1	0	23.95	23.95			
10	16QAM	1	25	23.91	23.91			
10	16QAM	1	49	23.86	23.86		23.7	
10	16QAM	25	0	22.54	22.54			
10	16QAM	25	12	22.57	22.57			
10	16QAM	25	25	22.64	22.64		23.7	
10	16QAM	50	0	22.55	22.55			
10	16QAM	1	0	22.79	22.79		23.7	
10	16QAM	1	25	22.54	22.54			
10	16QAM	1	49	22.79	22.79			
10	16QAM	25	0	21.58	21.58		22.7	
10	16QAM	25	12	21.81	21.81			
10	16QAM	25	25	21.83	21.83			
10	16QAM	50	0	21.59	21.59		20.7	
10	256QAM	1	0	19.53	19.53			
10	256QAM	1	25	19.57	19.57			
10	256QAM	1	49	19.55	19.55		20.7	
10	256QAM	25	0	19.29	19.29			
10	256QAM	25	12	19.34	19.34			
10	256QAM	25	25	19.33	19.33		20.7	
10	256QAM	50	0	19.25	19.25			
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.48	24.48	24.45	25.7	
5	QPSK	1	49	24.56	24.53	24.58		
5	QPSK	1	24	24.55	24.54	24.51		
5	QPSK	12	0	23.62	23.54	23.51	24.7	
5	QPSK	12	7	23.68	23.68	23.60		
5	QPSK	12	13	23.81	23.80	23.58		
5	QPSK	25	0	23.59	23.54	23.52	24.7	
5	16QAM	1	0	23.82	23.82	23.78		
5	16QAM	1	12	23.90	23.92	23.86		
5	16QAM	1	24	23.88	23.88	23.79	23.7	
5	16QAM	12	0	22.84	22.81	22.53		
5	16QAM	12	7	22.68	22.69	22.80		
5	16QAM	12	13	22.60	22.62	22.58	23.7	
5	16QAM	25	0	22.62	22.58	22.58		
5	16QAM	1	0	22.81	22.77	22.77		
5	16QAM	1	49	22.83	22.85	22.84	23.7	
5	16QAM	1	24	22.82	22.82	22.80		
5	16QAM	12	0	21.71	21.60	21.58		
5	16QAM	12	7	21.69	21.70	21.68	22.7	
5	16QAM	12	13	21.83	21.86	21.81		
5	16QAM	25	0	21.80	21.81	21.84		
5	256QAM	1	0	19.47	19.48	19.53	20.7	
5	256QAM	1	12	19.31	19.33	19.28		
5	256QAM	1	24	19.46	19.46	19.42		
5	256QAM	12	0	19.19	19.27	19.27	20.7	
5	256QAM	12	7	19.28	19.28	19.34		
5	256QAM	12	13	19.33	19.36	19.33		
5	256QAM	25	0	19.21	19.18	19.15		

Band 17_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power High Ch.2 Freq.	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.58	24.58	24.53	24.53	25.7	
10	QPSK	1	49	24.62	24.62	24.62	24.62		
10	QPSK	25	0	23.84	23.84	23.85	23.85	24.7	
10	QPSK	25	12	23.78	23.78	23.71	23.71		
10	QPSK	25	25	23.80	23.79	23.80	23.80		
10	QPSK	50	0	23.09	23.12	23.09	23.09	24.7	
10	HQAM	1	0	23.90	23.92	23.91	23.91		
10	HQAM	1	25	24.01	24.01	24.00	24.00	24.7	
10	HQAM	1	49	24.01	24.02	24.02	24.02		
10	HQAM	25	0	22.62	22.64	22.64	22.64		
10	HQAM	25	12	22.78	22.71	22.71	22.71	23.7	
10	HQAM	25	25	22.77	22.81	22.76	22.76		
10	HQAM	50	0	22.89	22.70	22.87	22.87		
10	HQAM	1	0	22.86	22.76	22.74	22.74	23.7	
10	HQAM	1	25	22.92	22.97	22.90	22.90		
10	HQAM	1	49	22.92	22.98	22.93	22.93		
10	HQAM	25	0	21.87	21.87	21.87	21.87	22.7	
10	HQAM	25	12	21.84	21.78	21.78	21.78		
10	HQAM	25	25	21.80	21.82	21.82	21.82		
10	HQAM	50	0	21.70	21.71	21.71	21.71	20.7	
10	256QAM	1	0	19.44	19.37	19.33	19.33		
10	256QAM	1	25	19.50	19.48	19.51	19.51		
10	256QAM	1	49	19.58	19.60	19.60	19.60	20.7	
10	256QAM	25	0	19.46	19.44	19.46	19.46		
10	256QAM	25	12	19.56	19.52	19.43	19.43		
10	256QAM	25	25	19.58	19.54	19.52	19.52		
10	256QAM	50	0	19.45	19.48	19.45	19.45		
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.57	24.58	24.55	24.55	25.7	
5	QPSK	1	49	24.60	24.61	24.63	24.63		
5	QPSK	1	24	24.64	24.61	24.64	24.64		
5	QPSK	12	0	23.87	23.89	23.88	23.88	24.7	
5	QPSK	12	12	23.78	23.74	23.69	23.69		
5	QPSK	12	13	23.77	23.76	23.73	23.73		
5	QPSK	25	0	23.75	23.75	23.65	23.65		
5	HQAM	1	0	23.91	23.93	23.91	23.91	24.7	
5	HQAM	1	12	23.97	24.03	23.98	23.98		
5	HQAM	1	24	24.08	24.04	24.01	24.01		
5	HQAM	12	0	22.70	22.72	22.72	22.72	23.7	
5	HQAM	12	7	22.78	22.74	22.73	22.73		
5	HQAM	12	13	22.78	22.77	22.74	22.74		
5	HQAM	25	0	22.74	22.75	22.69	22.69		
5	HQAM	1	0	22.89	22.87	22.88	22.88	23.7	
5	HQAM	1	49	22.90	22.96	22.90	22.90		
5	HQAM	1	24	22.94	23.00	22.93	22.93		
5	HQAM	12	0	21.73	21.77	21.78	21.78	22.7	
5	HQAM	12	7	21.81	21.79	21.73	21.73		
5	HQAM	12	13	21.79	21.85	21.75	21.75		
5	HQAM	25	0	21.78	21.74	21.70	21.70		
5	256QAM	1	0	19.41	19.26	19.24	19.24	20.7	
5	256QAM	1	12	19.49	19.46	19.44	19.44		
5	256QAM	1	24	19.44	19.50	19.40	19.40		
5	256QAM	12	0	19.39	19.34	19.41	19.41		
5	256QAM	12	7	19.58	19.47	19.40	19.40	20.7	
5	256QAM	12	13	19.53	19.54	19.52	19.52		
5	256QAM	25	0	19.37	19.41	19.45	19.45		

Band 30_Ant 2							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.15	23.15		24.2
10	QPSK	1	25	23.09	23.09		
10	QPSK	1	49	23.02	23.02		
10	QPSK	25	0	22.08	22.08		23.2
10	QPSK	25	12	22.16	22.16		
10	QPSK	25	25	22.18	22.18		
10	QPSK	50	0	22.14	22.14		23.2
10	WQAM	1	0	22.44	22.44		
10	WQAM	1	25	22.48	22.48		
10	WQAM	1	49	22.41	22.41		22.2
10	WQAM	25	0	21.08	21.08		
10	WQAM	25	12	21.14	21.14		
10	WQAM	25	25	21.17	21.17		22.2
10	WQAM	50	0	21.14	21.14		
10	WQAM	1	0	21.06	21.06		
10	WQAM	1	25	21.08	21.08		21.2
10	WQAM	1	49	21.27	21.27		
10	WQAM	25	0	20.12	20.12		
10	WQAM	25	12	20.20	20.20		21.2
10	WQAM	25	25	20.20	20.20		
10	WQAM	50	0	20.18	20.18		
10	256QAM	1	0	18.80	18.80		19.2
10	256QAM	1	25	18.94	18.94		
10	256QAM	1	49	18.91	18.91		
10	256QAM	25	0	18.78	18.78		19.2
10	256QAM	25	12	18.75	18.75		
10	256QAM	25	25	18.75	18.75		
10	256QAM	50	0	18.77	18.77		Time-up (ms)
Channel							
Frequency (MHz)							
5	QPSK	1	0	22.97	23.01	23.05	24.2
5	QPSK	1	12	23.14	23.14	23.12	
5	QPSK	1	24	23.13	23.13	23.06	
5	QPSK	12	0	22.10	22.12	22.16	23.2
5	QPSK	12	7	22.23	22.17	22.21	
5	QPSK	12	13	22.22	22.17	22.19	
5	QPSK	25	0	22.18	22.14	22.19	23.2
5	WQAM	1	0	22.32	22.34	22.35	
5	WQAM	1	12	22.42	22.40	22.38	
5	WQAM	1	24	22.44	22.40	22.36	22.2
5	WQAM	12	0	21.15	21.14	21.19	
5	WQAM	12	7	21.24	21.20	21.22	
5	WQAM	12	13	21.25	21.16	21.21	22.2
5	WQAM	25	0	21.21	21.18	21.20	
5	WQAM	1	0	21.28	21.32	21.34	
5	WQAM	1	12	21.32	21.36	21.33	22.2
5	WQAM	1	24	21.38	21.36	21.31	
5	WQAM	12	0	20.17	20.21	20.20	
5	WQAM	12	7	20.20	20.23	20.25	21.2
5	WQAM	12	13	20.30	20.25	20.24	
5	WQAM	25	0	20.26	20.17	20.40	
5	256QAM	1	0	18.75	18.75	18.77	19.2
5	256QAM	1	12	18.87	18.90	18.85	
5	256QAM	1	24	18.96	18.80	18.87	
5	256QAM	12	7	18.63	18.72	18.64	19.2
5	256QAM	12	13	18.65	18.75	18.71	
5	256QAM	25	0	18.75	18.72	18.70	

Band 71_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.65	24.57	24.52	24.52	25.7	
20	QPSK	1	49	24.58	24.53	24.51	24.51		
20	QPSK	1	99	24.51	24.53	24.50	24.50		
20	QPSK	80	0	23.66	23.66	23.58	23.58		
20	QPSK	50	24	23.71	23.61	23.61	23.61	24.7	
20	QPSK	50	50	23.70	23.64	23.63	23.63		
20	QPSK	100	0	23.70	23.60	23.58	23.58		
20	HQDM	1	0	24.62	23.92	23.82	23.82		
20	HQDM	1	49	23.92	23.89	23.85	23.85	24.7	
20	HQDM	1	99	23.89	23.86	23.85	23.85		
20	HQDM	50	0	22.70	22.68	22.57	22.57		
20	HQDM	50	24	22.73	22.65	22.61	22.61	23.7	
20	HQDM	50	50	22.70	22.68	22.64	22.64		
20	HQDM	100	0	22.70	22.62	22.59	22.59		
20	HQDM	1	0	22.84	22.76	22.74	22.74		
20	HQDM	1	49	22.81	22.58	22.71	22.71	23.7	
20	HQDM	1	99	22.78	22.77	22.76	22.76		
20	HQDM	50	0	21.58	21.67	21.61	21.61		
20	HQDM	50	24	21.73	21.65	21.65	21.65	22.7	
20	HQDM	50	50	21.71	21.66	21.65	21.65		
20	HQDM	100	0	21.74	21.62	21.62	21.62		
20	SSBQAM	1	0	19.58	19.50	19.37	19.37	20.7	
20	SSBQAM	1	49	19.41	19.36	19.36	19.36		
20	SSBQAM	1	99	19.45	19.35	19.35	19.35		
20	SSBQAM	50	0	19.41	19.47	19.44	19.44		
20	SSBQAM	50	24	19.38	19.44	19.38	19.38	20.7	
20	SSBQAM	50	50	19.40	19.38	19.39	19.39		
20	SSBQAM	100	0	19.43	19.43	19.32	19.32		
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.64	24.57	24.53	24.53	25.7	
15	QPSK	1	49	24.50	24.53	24.52	24.52		
15	QPSK	1	74	24.53	24.58	24.53	24.53		
15	QPSK	30	0	23.68	23.64	23.60	23.60	24.7	
15	QPSK	30	20	23.71	23.68	23.69	23.69		
15	QPSK	30	39	23.84	23.83	23.81	23.81		
15	QPSK	75	0	23.72	23.69	23.66	23.66		
15	HQDM	1	0	24.61	23.93	23.84	23.84	24.7	
15	HQDM	1	39	23.84	23.90	23.88	23.88		
15	HQDM	1	74	23.82	23.82	23.84	23.84		
15	HQDM	30	0	22.68	22.64	22.62	22.62	23.7	
15	HQDM	30	20	22.71	22.69	22.68	22.68		
15	HQDM	30	39	22.84	22.82	22.83	22.83		
15	HQDM	75	0	22.73	22.69	22.67	22.67		
15	HQDM	1	0	22.47	22.79	22.75	22.75	23.7	
15	HQDM	1	39	22.63	22.78	22.78	22.78		
15	HQDM	1	74	22.75	22.83	22.77	22.77		
15	HQDM	30	0	21.48	21.69	21.63	21.63	22.7	
15	HQDM	30	20	21.52	21.71	21.71	21.71		
15	HQDM	30	39	21.86	21.85	21.86	21.86		
15	HQDM	75	0	21.70	21.70	21.68	21.68	20.7	
15	SSBQAM	1	0	19.49	19.52	19.27	19.27		
15	SSBQAM	1	39	19.33	19.28	19.32	19.32		
15	SSBQAM	1	74	19.46	19.46	19.36	19.36	20.7	
15	SSBQAM	30	0	19.35	19.41	19.37	19.37		
15	SSBQAM	30	20	19.32	19.43	19.39	19.39		
15	SSBQAM	30	39	19.36	19.36	19.35	19.35		
15	SSBQAM	75	0	19.38	19.38	19.31	19.31		
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.62	24.57	24.49	24.49	25.7	
10	QPSK	1	25	24.59	24.45	24.50	24.50		
10	QPSK	1	49	24.52	24.51	24.45	24.45		
10	QPSK	25	0	23.72	23.58	23.53	23.53	24.7	
10	QPSK	25	12	23.71	23.58	23.59	23.59		
10	QPSK	25	25	23.66	23.62	23.61	23.61		
10	QPSK	50	0	23.71	23.65	23.56	23.56		
10	HQDM	1	0	24.66	23.61	23.64	23.64	24.7	
10	HQDM	1	25	23.93	23.86	23.89	23.89		
10	HQDM	1	49	23.88	23.90	23.83	23.83		
10	HQDM	25	0	22.72	22.56	22.54	22.54	23.7	
10	HQDM	25	12	22.71	22.57	22.54	22.54		
10	HQDM	25	25	22.64	22.60	22.61	22.61		
10	HQDM	50	0	22.71	22.63	22.54	22.54		
10	HQDM	1	0	22.54	22.78	22.73	22.73	23.7	
10	HQDM	1	25	22.58	22.79	22.80	22.80		
10	HQDM	1	49	22.66	22.81	22.71	22.71		
10	HQDM	25	0	21.32	21.59	21.65	21.65	22.7	
10	HQDM	25	12	21.33	21.60	21.62	21.62		
10	HQDM	25	25	21.28	21.65	21.64	21.64		
10	HQDM	50	0	21.41	21.86	21.57	21.57	20.7	
10	SSBQAM	1	0	19.55	19.57	19.36	19.36		
10	SSBQAM	1	25	19.38	19.28	19.34	19.34		
10	SSBQAM	1	49	19.37	19.45	19.55	19.55	20.7	
10	SSBQAM	25	0	19.34	19.42	19.37	19.37		
10	SSBQAM	25	12	19.32	19.35	19.32	19.32		
10	SSBQAM	25	25	19.40	19.28	19.28	19.28	20.7	
10	SSBQAM	50	0	19.38	19.33	19.22	19.22		
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.63	24.57	24.58	24.58	25.7	
5	QPSK	1	12	24.61	24.54	24.56	24.56		
5	QPSK	1	24	24.56	24.54	24.47	24.47		
5	QPSK	10	0	23.78	23.53	23.64	23.64	24.7	
5	QPSK	12	7	23.73	23.64	23.70	23.70		
5	QPSK	12	13	23.66	23.60	23.61	23.61		
5	QPSK	25	0	23.70	23.64	23.59	23.59		
5	HQDM	1	0	24.02	23.92	23.89	23.89	24.7	
5	HQDM	1	12	23.95	23.90	23.86	23.86		
5	HQDM	1	24	23.89	23.88	23.83	23.83		
5	HQDM	12	0	22.82	22.68	22.68	22.68	23.7	
5	HQDM	12	13	22.76	22.66	22.70	22.70		
5	HQDM	12	13	22.89	22.61	22.61	22.61		
5	HQDM	25	0	22.73	22.65	22.62	22.62		
5	HQDM	1	0	22.23	22.90	22.79	22.79	23.7	
5	HQDM	1	12	22.48	22.85	22.81	22.81		
5	HQDM	1	24	22.47	22.83	22.78	22.78		
5	HQDM	12	0	21.34	21.70	21.71	21.71	22.7	
5	HQDM	12	7	21.49	21.70	21.73	21.73		
5	HQDM	12	13	21.58	21.64	21.60	21.60		
5	HQDM	25	0	21.31	21.67	21.62	21.62		
5	SSBQAM	1	0	19.56	19.52	19.31	19.31	20.7	
5	SSBQAM	1	12	19.37	19.28	19.36	19.36		
5	SSBQAM	1	24	19.38	19.47	19.35	19.35		
5	SSBQAM	12	0	19.35	19.45	19.34	19.34	20.7	
5	SSBQAM	12	7	19.37	19.38	19.32	19.32		
5	SSBQAM	12	13	19.36	19.36	19.20	19.20		
5	SSBQAM	25	0	19.37	19.35	19.31	19.31		

Band 5_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Mean Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.47	23.57	23.64	25
10	QPSK	1	25	23.51	23.58	23.63	
10	QPSK	1	49	23.58	23.63	23.65	
10	QPSK	25	0	22.63	22.66	22.63	24
10	QPSK	25	12	22.72	22.67	22.62	
10	QPSK	25	25	22.68	22.70	22.64	
10	QPSK	50	0	22.72	22.66	22.68	24
10	QPSK	1	0	22.91	22.92	22.97	
10	QPSK	1	25	22.92	22.98	22.92	
10	QPSK	1	49	22.96	22.93	22.93	23
10	QPSK	25	0	21.59	21.62	21.58	
10	QPSK	25	12	21.71	21.67	21.63	
10	QPSK	25	25	21.66	21.71	21.62	23
10	QPSK	50	0	21.70	21.64	21.62	
10	QPSK	1	0	21.74	21.71	21.61	
10	QPSK	1	25	21.58	21.50	21.75	22
10	QPSK	1	49	21.87	21.83	21.17	
10	QPSK	25	0	20.65	20.65	20.65	
10	QPSK	25	12	20.77	20.72	20.67	20
10	QPSK	25	25	20.71	20.74	20.45	
10	QPSK	50	0	20.73	20.69	20.69	
10	QPSK	1	0	18.46	18.51	18.58	20
10	QPSK	1	25	18.53	18.50	18.51	
10	QPSK	1	49	18.50	18.53	18.54	
10	QPSK	25	0	18.47	18.48	18.45	20
10	QPSK	25	12	18.46	18.42	18.39	
10	QPSK	25	25	18.38	18.48	18.48	
10	QPSK	50	0	18.51	18.49	18.44	20
10	QPSK	1	0	23.61	23.62	23.60	
10	QPSK	1	25	23.60	23.63	23.62	
10	QPSK	1	49	23.57	23.59	23.53	24
10	QPSK	12	0	22.63	22.73	22.65	
10	QPSK	12	13	22.65	22.67	22.67	
10	QPSK	25	0	22.68	22.72	22.58	24
10	QPSK	1	0	22.94	22.91	22.93	
10	QPSK	1	12	22.92	22.99	22.84	
10	QPSK	1	24	22.94	22.96	22.89	23
10	QPSK	12	0	21.87	21.75	21.67	
10	QPSK	12	7	21.71	21.77	21.81	
10	QPSK	12	13	21.66	21.69	21.54	22
10	QPSK	25	0	21.72	21.74	21.50	
10	QPSK	1	0	21.88	21.95	21.86	
10	QPSK	1	25	21.83	21.90	21.78	22
10	QPSK	1	49	21.88	21.91	21.68	
10	QPSK	12	0	20.74	20.80	20.55	
10	QPSK	12	7	20.78	20.81	20.29	20
10	QPSK	12	13	20.71	20.75	20.28	
10	QPSK	25	0	20.73	20.76	20.33	
10	QPSK	1	0	18.38	18.38	18.38	20
10	QPSK	1	12	18.50	18.40	18.53	
10	QPSK	1	24	18.46	18.45	18.40	
10	QPSK	12	0	18.40	18.44	18.40	20
10	QPSK	12	7	18.44	18.37	18.38	
10	QPSK	12	13	18.35	18.30	18.46	
10	QPSK	25	0	18.43	18.45	18.38	20
10	QPSK	1	0	20.65	20.65	20.65	
10	QPSK	1	25	20.65	20.65	20.65	
10	QPSK	1	49	20.65	20.65	20.65	20
10	QPSK	1	0	23.39	23.47	23.51	
10	QPSK	1	25	23.49	23.53	23.48	
10	QPSK	1	49	23.51	23.51	23.43	24
10	QPSK	8	0	22.85	22.88	22.58	
10	QPSK	8	4	22.88	22.58	22.54	
10	QPSK	8	7	22.83	22.85	22.58	24
10	QPSK	16	0	22.62	22.60	22.50	
10	QPSK	1	0	22.91	22.92	22.90	
10	QPSK	8	0	22.87	22.97	22.86	23
10	QPSK	1	14	22.94	22.90	22.73	
10	QPSK	8	4	21.56	21.59	21.57	
10	QPSK	8	7	21.64	21.62	21.63	23
10	QPSK	8	7	21.61	21.66	21.57	
10	QPSK	16	0	21.60	21.64	21.52	
10	QPSK	1	0	21.85	21.87	21.74	22
10	QPSK	1	8	21.78	21.83	21.69	
10	QPSK	1	14	21.81	21.79	21.16	
10	QPSK	8	0	20.81	20.80	20.81	22
10	QPSK	8	4	20.76	20.72	20.69	
10	QPSK	8	7	20.63	20.72	20.41	
10	QPSK	16	0	20.65	20.59	20.59	20
10	QPSK	1	0	18.46	18.47	18.49	
10	QPSK	1	8	18.43	18.47	18.51	
10	QPSK	1	14	18.45	18.43	18.45	20
10	QPSK	8	0	18.36	18.44	18.36	
10	QPSK	8	4	18.46	18.37	18.36	
10	QPSK	8	7	18.34	18.42	18.43	20
10	QPSK	16	0	18.46	18.44	18.35	
10	QPSK	1	0	20.67	20.65	20.63	
10	QPSK	1	25	20.67	20.65	20.63	20
10	QPSK	1	49	20.67	20.65	20.63	
10	QPSK	1	0	23.45	23.52	23.43	25
10	QPSK	1	3	23.54	23.58	23.48	
10	QPSK	1	5	23.47	23.51	23.39	
10	QPSK	1	4	23.53	23.52	23.47	24
10	QPSK	3	1	23.57	23.62	23.50	
10	QPSK	3	2	23.53	23.57	23.48	
10	QPSK	8	0	22.58	22.64	22.51	24
10	QPSK	1	0	22.79	22.84	22.78	
10	QPSK	1	5	22.89	22.84	22.77	
10	QPSK	1	5	22.82	22.88	22.72	24
10	QPSK	3	0	22.63	22.64	22.54	
10	QPSK	3	1	22.66	22.72	22.60	
10	QPSK	3	1	22.61	22.63	22.49	23
10	QPSK	6	0	21.84	21.71	21.58	
10	QPSK	1	0	21.74	21.75	21.39	
10	QPSK	1	3	21.84	21.81	21.44	23
10	QPSK	1	6	21.78	21.82	21.39	
10	QPSK	1	9	21.78	21.74	21.32	
10	QPSK	3	1	21.78	21.84	21.44	22
10	QPSK	3	2	21.75	21.75	21.47	
10	QPSK	6	0	20.60	20.65	20.36	
10	QPSK	1	0	18.46	18.47	18.51	20
10	QPSK	1	5	18.42	18.53	18.54	
10	QPSK	3	0	18.45	18.47	18.41	
10	QPSK	3	1	18.39	18.32	18.38	20
10	QPSK	3	1	18.34	18.39	18.41	
10	QPSK	6	0	18.51	18.40	18.42	

Band 7_Ant 0								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mean Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.97	23.98	23.99	25.5	
20	QPSK	1	49	23.93	23.99	23.94		
20	QPSK	1	99	23.99	24.08	24.02		
20	QPSK	80	0	23.97	23.92	23.92	24.5	
20	QPSK	50	24	23.10	23.09	23.08		
20	QPSK	50	50	23.11	23.16	23.13		
20	QPSK	100	0	23.07	23.07	23.05	24.5	
20	HQAM	1	0	23.27	23.30	23.29		
20	HQAM	1	49	23.29	23.38	23.38		
20	HQAM	1	99	23.33	23.40	23.34	23.5	
20	HQAM	50	0	21.09	22.04	22.02		
20	HQAM	50	24	22.16	22.16	22.06		
20	HQAM	50	50	22.13	22.17	22.14	23.5	
20	HQAM	100	0	22.08	22.07	22.03		
20	HQAM	1	0	22.06	22.11	22.10	23.5	
20	HQAM	1	49	22.10	22.26	22.21		
20	HQAM	1	99	22.24	22.32	22.27		
20	HQAM	80	0	21.08	21.08	21.05	22.5	
20	HQAM	50	24	21.12	21.11	21.08		
20	HQAM	50	50	21.15	21.21	21.15		
20	HQAM	100	0	21.12	21.05	21.07	20.5	
20	SSBQAM	1	0	19.20	19.27	19.13		
20	SSBQAM	1	49	19.38	19.16	19.22		
20	SSBQAM	1	99	19.12	19.17	19.11	20.5	
20	SSBQAM	50	0	19.12	19.12	19.07		
20	SSBQAM	50	24	19.22	19.14	19.10		
20	SSBQAM	50	50	19.17	19.16	19.13	20.5	
20	SSBQAM	100	0	19.23	19.11	19.05		
Channel								
Frequency (MHz)								
18	QPSK	1	0	23.83	23.84	23.85	25.5	
18	QPSK	1	49	23.86	23.90	23.85		
18	QPSK	1	74	23.97	24.04	23.94		
18	QPSK	30	0	22.95	22.98	22.90	24.5	
18	QPSK	30	20	23.08	23.04	23.04		
18	QPSK	30	39	23.08	23.13	23.09		
18	QPSK	75	0	23.02	23.01	23.01	24.5	
18	HQAM	1	0	23.23	23.30	23.29		
18	HQAM	1	37	23.24	23.36	23.30		
18	HQAM	1	74	23.31	23.34	23.24	23.5	
18	HQAM	30	0	21.88	22.04	22.01		
18	HQAM	30	20	22.10	22.02	21.97		
18	HQAM	30	39	22.10	22.06	22.14	23.5	
18	HQAM	75	0	21.98	22.05	21.94		
18	HQAM	1	0	22.07	22.08	22.06		
18	HQAM	1	49	22.08	22.25	22.19	23.5	
18	HQAM	1	74	22.14	22.25	22.17		
18	HQAM	30	0	20.95	20.98	21.02		
18	HQAM	30	20	21.03	21.02	21.06	22.5	
18	HQAM	30	39	21.12	21.21	21.06		
18	HQAM	75	0	21.06	21.05	21.00		
18	SSBQAM	1	0	19.17	19.25	19.13	20.5	
18	SSBQAM	1	37	19.16	19.12	19.10		
18	SSBQAM	1	74	19.24	19.12	19.02		
18	SSBQAM	30	0	19.04	19.12	19.04	20.5	
18	SSBQAM	30	20	19.14	19.05	19.05		
18	SSBQAM	30	39	19.15	19.14	19.08		
18	SSBQAM	75	0	19.23	19.04	19.07	20.5	
Channel								
Frequency (MHz)								
16	QPSK	1	0	23.89	23.92	23.99	25.5	
16	QPSK	1	25	23.93	23.90	23.84		
16	QPSK	1	49	23.96	24.01	23.98		
16	QPSK	25	0	22.91	22.99	22.97	24.5	
16	QPSK	25	12	23.07	23.06	23.00		
16	QPSK	25	26	23.03	23.09	23.03		
16	QPSK	50	0	22.99	23.06	23.01	24.5	
16	HQAM	1	0	23.17	23.24	23.26		
16	HQAM	1	25	23.27	23.34	23.35		
16	HQAM	1	49	23.31	23.39	23.31	23.5	
16	HQAM	25	0	21.92	22.00	21.95		
16	HQAM	25	12	22.07	22.09	22.09		
16	HQAM	25	26	22.08	22.10	22.07	23.5	
16	HQAM	50	0	22.02	22.04	22.00		
16	HQAM	1	0	22.00	22.13	22.10		
16	HQAM	1	25	22.06	22.16	22.18	22.5	
16	HQAM	1	49	22.14	22.31	22.25		
16	HQAM	25	0	20.91	21.02	20.96		
16	HQAM	25	12	21.04	21.04	21.02	22.5	
16	HQAM	25	26	21.08	21.14	21.09		
16	HQAM	50	0	21.10	21.05	21.02		
16	SSBQAM	1	0	19.15	19.19	19.09	20.5	
16	SSBQAM	1	25	19.20	19.07	19.02		
16	SSBQAM	1	49	19.10	19.09	19.03		
16	SSBQAM	25	0	19.03	19.05	19.06	20.5	
16	SSBQAM	25	12	19.21	19.07	19.09		
16	SSBQAM	25	26	19.16	19.08	19.08		
16	SSBQAM	50	0	19.18	19.04	19.09	20.5	
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.84	23.83	23.86	25.5	
5	QPSK	1	12	23.93	23.93	23.88		
5	QPSK	1	24	23.89	24.02	23.95		
5	QPSK	18	0	22.96	22.93	22.99	24.5	
5	QPSK	12	7	23.09	23.02	22.96		
5	QPSK	12	13	23.11	23.14	23.13		
5	QPSK	24	0	23.04	22.98	23.01	24.5	
5	HQAM	1	0	23.17	23.28	23.19		
5	HQAM	1	12	23.25	23.33	23.30		
5	HQAM	1	24	23.32	23.34	23.34	23.5	
5	HQAM	12	0	21.94	21.98	21.98		
5	HQAM	12	13	22.03	22.02	22.05		
5	HQAM	12	13	22.10	22.15	22.14	23.5	
5	HQAM	25	0	22.00	22.07	21.95		
5	HQAM	1	0	22.01	22.10	22.09		
5	HQAM	1	12	22.10	22.21	22.15	22.5	
5	HQAM	1	24	22.15	22.31	22.19		
5	HQAM	12	13	21.98	21.17	21.08		
5	HQAM	25	0	21.04	21.02	21.07	22.5	
5	SSBQAM	1	0	19.11	19.25	19.11		
5	SSBQAM	1	12	19.26	19.06	19.15	20.5	
5	SSBQAM	1	24	19.08	19.10	19.03		
5	SSBQAM	12	0	19.08	19.06	19.06		
5	SSBQAM	12	7	19.22	19.13	19.00	20.5	
5	SSBQAM	12	13	19.12	19.07	19.13		
5	SSBQAM	25	0	19.22	19.07	19.02		

Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq	Power High Ch. 1 Freq	Power High Ch. 2 Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	21.53			25
10	QPSK	1	25	21.51			
10	QPSK	1	49	21.57			
10	QPSK	25	0	22.60			24
10	QPSK	25	12	22.61			
10	QPSK	25	25	22.65			
10	QPSK	50	0	22.61			24
10	WQAM	1	0	22.62			
10	WQAM	1	25	22.66			
10	WQAM	1	49	22.68			23
10	WQAM	25	0	21.81			
10	WQAM	25	12	21.86			
10	WQAM	25	25	21.69			23
10	WQAM	50	0	21.94			
10	WQAM	1	0	21.86			
10	WQAM	1	25	21.81			22
10	WQAM	1	49	21.78			
10	WQAM	25	0	20.85			
10	WQAM	25	12	20.89			20
10	WQAM	25	25	20.71			
10	WQAM	50	0	20.68			
10	256QAM	1	0	18.25			20
10	256QAM	1	25	18.50			
10	256QAM	1	49	18.76			
10	256QAM	25	0	18.41			20
10	256QAM	25	12	18.46			
10	256QAM	25	25	18.59			
10	256QAM	50	0	18.44			20
Channel				21.505	22.615	22.605	
Frequency (MHz)				778.5	782	784.5	
5	QPSK	1	0	23.45	23.48	23.22	25
5	QPSK	1	49	23.50	23.54	23.34	
5	QPSK	1	24	23.55	23.56	23.31	
5	QPSK	12	0	22.58	22.59	22.32	24
5	QPSK	12	1	22.52	22.53	22.40	
5	QPSK	12	13	22.85	22.87	22.38	
5	QPSK	25	0	22.65	22.63	22.37	24
5	WQAM	1	0	22.84	22.78	22.50	
5	WQAM	1	12	22.75	22.82	22.48	
5	WQAM	1	24	22.84	22.80	22.51	23
5	WQAM	12	0	21.82	21.84	21.38	
5	WQAM	12	7	21.68	21.84	21.43	
5	WQAM	12	13	21.68	21.71	21.42	23
5	WQAM	25	0	21.70	21.63	21.41	
5	WQAM	1	0	21.73	21.68	21.42	
5	WQAM	1	49	21.68	21.81	21.43	22
5	WQAM	1	24	21.77	21.81	21.48	
5	WQAM	12	0	20.86	20.70	20.43	
5	WQAM	12	7	20.72	20.87	20.45	20
5	WQAM	12	13	20.71	20.75	20.45	
5	WQAM	25	0	20.73	20.66	20.42	
5	256QAM	1	0	18.16	18.24	18.25	20
5	256QAM	1	12	18.43	18.45	18.47	
5	256QAM	1	24	18.65	18.67	18.66	
5	256QAM	12	0	18.37	18.35	18.38	20
5	256QAM	12	7	18.48	18.36	18.40	
5	256QAM	12	13	18.38	18.55	18.54	
5	256QAM	25	0	18.37	18.34	18.41	20
Channel				21.505	22.615	22.605	
Frequency (MHz)				778.5	782	784.5	

Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.66	23.66		25
10	QPSK	1	25	23.60	23.60		
10	QPSK	1	49	23.58	23.58		
10	QPSK	25	0	22.63	22.63		24
10	QPSK	25	12	22.65	22.65		
10	QPSK	25	25	22.74	22.74		
10	QPSK	50	0	22.57	22.57		24
10	WQAM	1	0	23.62	23.62		
10	WQAM	1	25	22.99	22.99		
10	WQAM	1	49	22.97	22.97		23
10	WQAM	25	12	21.82	21.82		
10	WQAM	25	25	21.73	21.73		
10	WQAM	50	0	21.98	21.98		23
10	WQAM	1	0	21.92	21.92		
10	WQAM	1	25	21.95	21.95		
10	WQAM	1	49	21.99	21.99		22
10	WQAM	25	0	20.87	20.87		
10	WQAM	25	12	20.89	20.89		
10	WQAM	25	25	20.76	20.76		20
10	WQAM	50	0	20.87	20.87		
10	WQAM	1	0	18.45	18.45		
10	WQAM	1	25	18.58	18.58		20
10	WQAM	1	49	18.74	18.74		
10	WQAM	25	0	18.50	18.50		
10	WQAM	25	12	18.44	18.44		20
10	WQAM	25	25	18.47	18.47		
10	WQAM	50	0	18.59	18.59		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.58	23.55	23.58	25
5	QPSK	1	24	23.65	23.65	23.64	
5	QPSK	1	49	23.65	23.64	23.58	
5	QPSK	12	0	22.71	22.65	22.84	24
5	QPSK	12	7	22.70	22.73	22.70	
5	QPSK	12	25	22.71	22.73	22.68	
5	QPSK	25	0	22.69	22.66	22.63	24
5	WQAM	1	0	22.91	22.92	22.87	
5	WQAM	1	12	23.09	23.02	22.98	
5	WQAM	1	24	22.98	23.00	22.99	23
5	WQAM	12	0	21.73	21.68	21.64	
5	WQAM	12	7	21.77	21.77	21.78	
5	WQAM	12	13	21.73	21.72	21.68	23
5	WQAM	25	0	21.71	21.68	21.64	
5	WQAM	1	0	21.87	21.89	21.85	23
5	WQAM	1	49	21.93	22.00	21.94	
5	WQAM	1	24	21.90	21.95	21.92	
5	WQAM	12	0	20.80	20.71	20.89	22
5	WQAM	12	7	20.78	20.83	20.75	
5	WQAM	12	13	20.75	20.76	20.89	
5	WQAM	25	0	20.72	20.67	20.69	20
5	WQAM	1	0	18.38	18.37	18.42	
5	WQAM	1	12	18.55	18.48	18.52	
5	WQAM	1	24	18.74	18.72	18.67	20
5	WQAM	12	0	18.50	18.42	18.48	
5	WQAM	12	7	18.38	18.34	18.35	
5	WQAM	12	13	18.47	18.46	18.39	20
5	WQAM	25	0	18.40	18.47	18.44	
5	WQAM	25	1	18.40	18.47	18.44	

Band 17_Ant 1										
BS (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Power Max Ch / Freq	Turn-up (mW)		
Channel				70700	70700	70699	70699			
Frequency (MHz)				70700	70700	70699	70699			
10	QPSK	1	0	23.28	23.31	23.33	23.33	25		
10	QPSK	1	25	23.28	23.31	23.37	23.37			
10	QPSK	1	49	23.27	23.45	23.38	23.38			
10	QPSK	25	0	22.28	22.29	22.41	22.41			
10	QPSK	25	12	22.52	22.50	22.48	22.48	24		
10	QPSK	25	25	22.58	22.57	22.55	22.55			
10	QPSK	50	0	22.47	22.48	22.45	22.45			
10	16QAM	1	0	22.70	22.68	22.69	22.69			
10	16QAM	1	25	22.75	22.76	22.74	22.74	24		
10	16QAM	1	49	22.76	22.80	22.77	22.77			
10	16QAM	25	0	21.41	21.41	21.41	21.41			
10	16QAM	25	12	21.52	21.48	21.47	21.47			
10	16QAM	25	25	21.57	21.54	21.51	21.51	23		
10	16QAM	50	0	21.44	21.46	21.42	21.42			
10	16QAM	1	0	21.52	21.54	21.51	21.51			
10	16QAM	1	25	21.57	21.59	21.58	21.58			
10	16QAM	1	49	21.53	21.60	21.48	21.48	23		
10	16QAM	25	0	20.45	20.43	20.44	20.44			
10	16QAM	25	12	20.59	20.51	20.51	20.51			
10	16QAM	25	25	20.59	20.58	20.58	20.58			
10	16QAM	50	0	20.49	20.47	20.46	20.46	22		
10	256QAM	1	0	18.34	18.39	18.22	18.22			
10	256QAM	1	25	18.43	18.45	18.47	18.47			
10	256QAM	1	49	18.54	18.47	18.38	18.38			
10	256QAM	25	0	18.31	18.27	18.30	18.30	20		
10	256QAM	25	12	18.30	18.40	18.34	18.34			
10	256QAM	25	25	18.40	18.37	18.39	18.39			
10	256QAM	50	0	18.27	18.40	18.31	18.31			
Channel				70700.5	70700	70699.5	70699.5	Turn-up (mW)		
Frequency (MHz)				70700.5	70700	70699.5	70699.5			
5	QPSK	1	0	23.33	23.28	23.27	23.27	25		
5	QPSK	1	12	23.42	23.42	23.30	23.30			
5	QPSK	1	24	23.43	23.44	23.40	23.40			
5	QPSK	12	0	22.44	22.46	22.41	22.41			
5	QPSK	12	7	22.51	22.48	22.43	22.43	24		
5	QPSK	12	13	22.53	22.52	22.45	22.45			
5	QPSK	25	0	22.49	22.47	22.42	22.42			
5	16QAM	1	0	22.45	22.67	22.66	22.66			
5	16QAM	1	12	22.74	22.79	22.70	22.70	24		
5	16QAM	1	24	22.78	22.79	22.75	22.75			
5	16QAM	12	0	21.48	21.47	21.48	21.48			
5	16QAM	12	7	21.53	21.52	21.45	21.45			
5	16QAM	12	13	21.54	21.53	21.47	21.47	23		
5	16QAM	25	0	21.51	21.48	21.44	21.44			
5	16QAM	1	0	21.57	21.66	21.63	21.63			
5	16QAM	1	12	21.65	21.70	21.64	21.64			
5	16QAM	1	24	21.79	21.76	21.67	21.67	23		
5	16QAM	12	0	20.50	20.49	20.47	20.47			
5	16QAM	12	7	20.57	20.55	20.51	20.51			
5	16QAM	12	13	20.57	20.59	20.52	20.52			
5	16QAM	25	0	20.51	20.49	20.47	20.47	22		
5	256QAM	1	0	18.25	18.31	18.16	18.16			
5	256QAM	1	12	18.40	18.45	18.42	18.42			
5	256QAM	1	24	18.52	18.50	18.37	18.37			
5	256QAM	12	0	18.25	18.25	18.25	18.25	20		
5	256QAM	12	7	18.25	18.33	18.30	18.30			
5	256QAM	12	13	18.26	18.27	18.37	18.37			
5	256QAM	25	0	18.20	18.30	18.31	18.31			

Band 30_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Time-up (ms)	
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.87		25.7	
10	QPSK	1	25	23.88			
10	QPSK	1	49	23.85			
10	QPSK	25	0	22.90		24.7	
10	QPSK	25	12	22.94			
10	QPSK	25	25	22.96			
10	QPSK	50	0	22.94		24.7	
10	16QAM	1	0	23.21			
10	16QAM	1	25	23.25			
10	16QAM	1	49	23.23		23.7	
10	16QAM	25	0	21.88			
10	16QAM	25	12	21.97			
10	16QAM	25	25	21.94		23.7	
10	16QAM	50	0	21.93			
10	16QAM	1	0	22.96		23.7	
10	16QAM	1	25	22.17			
10	16QAM	1	49	22.02			
10	16QAM	25	0	20.92		22.7	
10	16QAM	25	12	21.82			
10	16QAM	25	25	20.95			
10	16QAM	50	0	20.88		20.7	
10	256QAM	1	0	19.20			
10	256QAM	1	25	19.23			
10	256QAM	1	49	19.13		20.7	
10	256QAM	25	0	18.96			
10	256QAM	25	12	19.06			
10	256QAM	25	25	19.03		20.7	
10	256QAM	50	0	19.03			
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.75	23.79	25.7	
5	QPSK	1	12	23.82	23.80		
5	QPSK	1	24	23.85	23.79		
5	QPSK	12	0	22.87	22.89	24.7	
5	QPSK	12	1	22.09	22.94		
5	QPSK	12	13	22.89	22.83		
5	QPSK	25	0	22.97	22.94	24.7	
5	16QAM	1	0	23.07	23.19		
5	16QAM	1	12	23.18	23.17		
5	16QAM	1	24	23.24	23.18	23.7	
5	16QAM	12	0	21.88	21.93		
5	16QAM	12	7	22.01	21.98		
5	16QAM	12	13	22.01	21.96	23.7	
5	16QAM	25	0	21.98	21.94		
5	16QAM	1	0	22.03	22.08		
5	16QAM	1	24	22.16	22.14	23.7	
5	16QAM	1	24	22.16	22.09		
5	16QAM	12	0	20.94	20.96		
5	16QAM	12	7	21.05	21.02	22.7	
5	16QAM	12	13	21.05	20.96		
5	16QAM	25	0	21.01	21.00		
5	256QAM	1	0	19.11	19.16	20.7	
5	256QAM	1	12	19.21	19.19		
5	256QAM	1	24	19.06	19.07		
5	256QAM	12	7	18.99	19.06	20.7	
5	256QAM	12	13	19.03	19.03		
5	256QAM	25	0	19.03	19.06		

Band 13_Ant 0								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Main Ch. / Freq	Power High Ch. / Freq	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0		23.98		25.2	
10	QPSK	1	25		24.02			
10	QPSK	1	49		24.10			
10	QPSK	25	0		23.16		24.2	
10	QPSK	25	12		23.17			
10	QPSK	25	25		23.19			
10	QPSK	50	0		23.18		24.2	
10	16QAM	1	0		23.38			
10	16QAM	1	25		23.37			
10	16QAM	1	49		23.40		23.2	
10	16QAM	25	0		22.17			
10	16QAM	25	12		22.20			
10	16QAM	25	25		22.22		23.2	
10	16QAM	50	0		22.19			
10	16QAM	1	0		22.21		23.2	
10	16QAM	1	25		22.32			
10	16QAM	1	49		22.34			
10	16QAM	25	0		21.17		22.2	
10	16QAM	25	12		21.24			
10	16QAM	25	25		21.23			
10	16QAM	50	0		21.23		20.2	
10	256QAM	1	0		18.81			
10	256QAM	1	25		18.97			
10	256QAM	1	49		18.91		20.2	
10	256QAM	25	0		18.78			
10	256QAM	25	12		18.86			
10	256QAM	25	25		18.89		20.2	
10	256QAM	50	0		18.84			
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.93	23.98	23.74	25.2	
5	QPSK	1	12	24.04	24.07	23.77		
5	QPSK	1	24	24.07	24.08	23.83		
5	QPSK	12	0	23.19	23.13	22.85	24.2	
5	QPSK	12	6	23.18	23.15	22.83		
5	QPSK	12	12	23.19	23.21	22.89		
5	QPSK	25	0	23.18	23.14	22.90	24.2	
5	16QAM	1	0	23.31	23.29	23.01		
5	16QAM	1	12	23.29	23.33	23.04		
5	16QAM	1	24	23.37	23.38	23.04	23.2	
5	16QAM	12	0	22.20	22.17	21.92		
5	16QAM	12	6	22.20	22.17	21.95		
5	16QAM	12	12	22.21	22.22	21.94	23.2	
5	16QAM	25	0	22.23	22.18	21.92		
5	16QAM	1	0	22.19	22.28	21.94		
5	16QAM	1	12	22.25	22.26	22.01	23.2	
5	16QAM	1	24	22.29	22.32	22.02		
5	16QAM	12	0	21.22	21.23	20.98		
5	16QAM	12	6	21.26	21.21	20.98	22.2	
5	16QAM	12	12	21.25	21.26	20.95		
5	16QAM	25	0	21.06	21.17	20.98		
5	256QAM	1	0	18.95	18.97	18.98	20.2	
5	256QAM	1	12	18.93	18.96	18.94		
5	256QAM	1	24	18.96	18.96	18.96		
5	256QAM	12	0	18.77	18.69	18.74	20.2	
5	256QAM	12	6	18.83	18.78	18.79		
5	256QAM	12	12	18.82	18.84	18.79		
5	256QAM	25	0	18.77	18.77	18.74		

Band 14_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.59	24.59			25.7		
10	QPSK	1	25	24.53	24.53					
10	QPSK	1	49	24.48	24.48					
10	QPSK	25	0	23.55	23.55			24.7		
10	QPSK	25	12	23.57	23.57					
10	QPSK	25	25	23.63	23.63					
10	QPSK	50	0	23.55	23.55			24.7		
10	16QAM	1	0	23.95	23.95					
10	16QAM	1	25	23.91	23.91					
10	16QAM	1	49	23.86	23.86			23.7		
10	16QAM	25	12	22.57	22.57					
10	16QAM	25	25	22.64	22.64					
10	16QAM	50	0	22.55	22.55			23.7		
10	16QAM	1	0	22.79	22.79					
10	16QAM	1	25	22.54	22.54			23.7		
10	16QAM	1	49	22.79	22.79					
10	16QAM	25	0	21.58	21.58					
10	16QAM	25	12	21.81	21.81			22.7		
10	16QAM	25	25	21.83	21.83					
10	16QAM	50	0	21.59	21.59					
10	256QAM	1	25	19.57	19.57			20.7		
10	256QAM	1	49	19.53	19.53					
10	256QAM	25	0	19.29	19.29					
10	256QAM	25	12	19.34	19.34			20.7		
10	256QAM	25	25	19.33	19.33					
10	256QAM	50	0	19.25	19.25					
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.48	24.48	24.45		25.7		
5	QPSK	1	24	24.56	24.53	24.55				
5	QPSK	1	49	24.55	24.55	24.48				
5	QPSK	12	0	23.62	23.54	23.51		24.7		
5	QPSK	12	7	23.68	23.68	23.63				
5	QPSK	12	13	23.81	23.80	23.58				
5	QPSK	25	0	23.59	23.54	23.52		24.7		
5	16QAM	1	0	23.82	23.82	23.78				
5	16QAM	1	12	23.90	23.92	23.86				
5	16QAM	1	24	23.88	23.88	23.79		23.7		
5	16QAM	12	0	22.84	22.81	22.53				
5	16QAM	12	7	22.68	22.69	22.89				
5	16QAM	12	13	22.60	22.62	22.58		23.7		
5	16QAM	25	0	22.62	22.58	22.58				
5	16QAM	1	0	22.81	22.77	22.77				
5	16QAM	1	49	22.83	22.85	22.84		23.7		
5	16QAM	1	24	22.82	22.82	22.80				
5	16QAM	12	0	21.71	21.60	21.58				
5	16QAM	12	0	21.69	21.70	21.68		22.7		
5	16QAM	12	13	21.83	21.86	21.81				
5	16QAM	25	0	21.80	21.81	21.84				
5	256QAM	1	0	19.47	19.48	19.53		20.7		
5	256QAM	1	12	19.31	19.33	19.28				
5	256QAM	1	24	19.46	19.46	19.42				
5	256QAM	12	0	19.19	19.27	19.27		20.7		
5	256QAM	12	7	19.28	19.28	19.34				
5	256QAM	12	13	19.33	19.36	19.33				
5	256QAM	25	0	19.21	19.18	19.15				

Band 17_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq	Power Main Ch.1 Freq	Power High Ch.1 Freq	Power Low Ch.2 Freq	Power Main Ch.2 Freq	Power High Ch.2 Freq
Channel				700	710	711	Time-up (ms)		
Frequency (MHz)									
10	QPSK	1	0	24.58	24.58	24.53	25.7		
10	QPSK	1	25	24.58	24.64	24.64			
10	QPSK	1	49	24.62	24.65	24.62	24.7		
10	QPSK	25	0	23.84	23.85	23.85			
10	QPSK	25	12	23.78	23.73	23.71	24.7		
10	QPSK	25	25	23.80	23.79	23.80			
10	QPSK	50	0	23.09	23.12	23.09	24.7		
10	HQAM	1	0	23.90	23.92	23.91			
10	HQAM	1	25	24.01	24.01	24.00	23.7		
10	HQAM	1	49	24.01	24.02	24.02			
10	HQAM	25	0	22.62	22.64	22.64	23.7		
10	HQAM	25	12	22.78	22.71	22.71			
10	HQAM	25	25	22.77	22.81	22.76	23.7		
10	HQAM	50	0	22.89	22.76	22.87			
10	HQAM	1	0	22.86	22.79	22.74	23.7		
10	HQAM	1	25	22.92	22.97	22.96			
10	HQAM	1	49	22.92	22.98	22.93	22.7		
10	HQAM	25	0	21.67	21.67	21.67			
10	HQAM	25	12	21.84	21.78	21.78	20.7		
10	HQAM	25	25	21.80	21.82	21.82			
10	HQAM	50	0	21.70	21.71	21.71	20.7		
10	256QAM	1	0	19.44	19.37	19.33			
10	256QAM	1	25	19.50	19.48	19.51	20.7		
10	256QAM	1	49	19.58	19.60	19.68			
10	256QAM	25	0	19.46	19.44	19.46	20.7		
10	256QAM	25	12	19.56	19.52	19.43			
10	256QAM	25	25	19.58	19.54	19.52	20.7		
10	256QAM	50	0	19.45	19.48	19.45			
Channel				700.5	710.5	713.5	Time-up (ms)		
Frequency (MHz)									
5	QPSK	1	0	24.57	24.58	24.55	25.7		
5	QPSK	1	12	24.60	24.61	24.63			
5	QPSK	1	24	24.64	24.61	24.64	24.7		
5	QPSK	12	0	23.87	23.89	23.88			
5	QPSK	12	7	23.78	23.74	23.69	24.7		
5	QPSK	12	13	23.77	23.76	23.73			
5	QPSK	25	0	23.75	23.75	23.65	24.7		
5	HQAM	1	0	23.91	23.93	23.91			
5	HQAM	1	12	23.97	24.03	23.98	23.7		
5	HQAM	1	24	24.08	24.04	24.01			
5	HQAM	12	0	22.70	22.72	22.72	23.7		
5	HQAM	12	7	22.78	22.74	22.73			
5	HQAM	12	13	22.78	22.77	22.74	23.7		
5	HQAM	25	0	22.74	22.75	22.69			
5	HQAM	1	0	22.89	22.87	22.88	23.7		
5	HQAM	1	12	22.90	22.96	22.90			
5	HQAM	1	24	22.94	23.00	22.93	22.7		
5	HQAM	12	0	21.73	21.77	21.78			
5	HQAM	12	7	21.81	21.79	21.73	20.7		
5	HQAM	12	13	21.79	21.85	21.75			
5	HQAM	25	0	21.78	21.74	21.70	20.7		
5	256QAM	1	0	19.41	19.26	19.24			
5	256QAM	1	12	19.49	19.46	19.44	20.7		
5	256QAM	1	24	19.44	19.50	19.40			
5	256QAM	12	0	19.39	19.34	19.41	20.7		
5	256QAM	12	7	19.58	19.47	19.40			
5	256QAM	12	13	19.53	19.54	19.52	20.7		
5	256QAM	25	0	19.37	19.41	19.42			



Band 30_Ant 2							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Main Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0		23.15		24.2
10	QPSK	1	25		23.09		
10	QPSK	1	49		23.02		
10	QPSK	25	0		22.08		23.2
10	QPSK	25	12		22.16		
10	QPSK	25	25		22.18		
10	QPSK	50	0		22.14		23.2
10	16QAM	1	0		22.44		
10	16QAM	1	25		22.48		
10	16QAM	1	49		22.41		23.2
10	16QAM	25	0		21.08		
10	16QAM	25	12		21.14		
10	16QAM	25	25		21.17		22.2
10	16QAM	50	0		21.14		
10	16QAM	1	0		21.06		
10	16QAM	1	25		21.08		21.2
10	16QAM	1	49		21.27		
10	16QAM	25	0		20.12		
10	16QAM	25	12		20.20		21.2
10	16QAM	25	25		20.20		
10	16QAM	50	0		20.18		
10	256QAM	1	0		18.80		19.2
10	256QAM	1	25		18.94		
10	256QAM	1	49		18.91		
10	256QAM	25	0		18.78		19.2
10	256QAM	25	12		18.75		
10	256QAM	25	25		18.75		
10	256QAM	50	0		18.77		Time-up (ms)
Channel							
Frequency (MHz)							
5	QPSK	1	0	22.97	23.01	23.05	24.2
5	QPSK	1	12	23.14	23.14	23.12	
5	QPSK	1	24	23.13	23.13	23.06	
5	QPSK	12	7	22.23	22.17	22.21	23.2
5	QPSK	12	13	22.22	22.17	22.19	
5	QPSK	25	0	22.18	22.14	22.19	
5	16QAM	1	0	22.32	22.34	22.35	23.2
5	16QAM	1	12	22.42	22.40	22.38	
5	16QAM	1	24	22.44	22.40	22.36	
5	16QAM	12	7	21.15	21.14	21.19	22.2
5	16QAM	12	13	21.24	21.20	21.22	
5	16QAM	12	19	21.25	21.16	21.21	
5	16QAM	25	0	21.21	21.18	21.20	22.2
5	16QAM	1	0	21.28	21.32	21.34	
5	16QAM	1	12	21.32	21.36	21.33	
5	16QAM	1	24	21.38	21.36	21.31	22.2
5	16QAM	12	0	20.17	20.21	20.20	
5	16QAM	12	7	20.20	20.23	20.25	
5	16QAM	12	13	20.30	20.25	20.24	21.2
5	16QAM	25	0	20.26	20.17	20.40	
5	256QAM	1	0	18.75	18.76	18.77	
5	256QAM	1	12	18.87	18.90	18.85	19.2
5	256QAM	1	24	18.96	18.80	18.87	
5	256QAM	12	7	18.63	18.72	18.64	
5	256QAM	12	13	18.65	18.75	18.71	19.2
5	256QAM	25	0	18.75	18.72	18.70	



Band 5_Ant 1								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Main Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.47	23.57	23.64	25	
10	QPSK	1	25	23.51	23.58	23.63		
10	QPSK	1	49	23.58	23.63	23.65		
10	QPSK	8	0	22.63	22.66	22.63	24	
10	QPSK	25	12	22.72	22.87	22.82		
10	QPSK	25	25	22.88	22.76	22.84		
10	QPSK	50	0	22.72	22.86	22.88	24	
10	WQAM	1	0	22.91	22.92	22.97		
10	WQAM	1	25	22.92	22.98	22.92		
10	WQAM	1	49	22.96	22.93	22.93	23	
10	WQAM	25	0	21.59	21.62	21.58		
10	WQAM	25	12	21.71	21.67	21.63		
10	WQAM	25	25	21.68	21.71	21.62	23	
10	WQAM	50	0	21.76	21.84	21.82		
10	WQAM	50	12	21.74	21.71	21.81		
10	WQAM	1	25	21.58	21.56	21.72	22	
10	WQAM	1	49	21.87	21.83	21.17		
10	WQAM	25	0	20.65	20.65	20.65		
10	WQAM	25	12	20.77	20.72	20.67	20	
10	WQAM	25	25	20.71	20.74	20.45		
10	WQAM	50	0	20.73	20.69	20.69		
10	SSBQAM	1	0	18.48	18.83	18.58	20	
10	SSBQAM	1	25	18.53	18.50	18.61		
10	SSBQAM	1	49	18.50	18.63	18.54		
10	SSBQAM	25	0	18.47	18.48	18.45	20	
10	SSBQAM	25	12	18.46	18.42	18.39		
10	SSBQAM	25	25	18.38	18.48	18.48		
10	SSBQAM	50	0	18.51	18.49	18.44	20	
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.61	23.62	23.80	25	
5	QPSK	1	12	23.60	23.63	23.82		
5	QPSK	1	24	23.57	23.59	23.53		
5	QPSK	12	0	22.63	22.73	22.65	24	
5	QPSK	12	12	22.70	22.74	22.68		
5	QPSK	12	13	22.85	22.87	22.87		
5	QPSK	25	0	22.68	22.72	22.58	24	
5	WQAM	1	0	22.94	23.01	22.93		
5	WQAM	1	12	22.92	22.99	22.84		
5	WQAM	1	24	22.94	22.96	22.89	23	
5	WQAM	12	0	21.87	21.75	21.67		
5	WQAM	12	7	21.71	21.77	21.81		
5	WQAM	12	13	21.66	21.69	21.54	22	
5	WQAM	25	0	21.72	21.74	21.59		
5	WQAM	1	0	21.88	21.95	21.86		
5	WQAM	1	12	21.83	21.90	21.78	22	
5	WQAM	1	24	21.88	21.91	21.08		
5	WQAM	12	0	20.74	20.80	20.55		
5	WQAM	12	7	20.78	20.81	20.29	20	
5	WQAM	12	13	20.71	20.75	20.28		
5	WQAM	25	0	20.73	20.76	20.33		
5	SSBQAM	1	0	18.38	18.58	18.58	20	
5	SSBQAM	1	12	18.59	18.40	18.53		
5	SSBQAM	1	24	18.46	18.52	18.46		
5	SSBQAM	12	0	18.40	18.44	18.40	20	
5	SSBQAM	12	7	18.44	18.37	18.38		
5	SSBQAM	12	13	18.35	18.36	18.46		
5	SSBQAM	25	0	18.43	18.45	18.38	20	
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.39	23.47	23.51	25	
3	QPSK	1	8	23.49	23.53	23.48		
3	QPSK	1	16	23.51	23.51	23.43		
3	QPSK	8	0	22.85	22.88	22.58	24	
3	QPSK	8	4	22.88	22.58	22.54		
3	QPSK	8	7	22.83	22.85	22.58		
3	QPSK	16	0	22.62	22.60	22.50	24	
3	WQAM	1	0	22.91	22.92	22.99		
3	WQAM	1	8	22.87	22.97	22.86		
3	WQAM	1	16	22.94	22.90	22.73	23	
3	WQAM	1	4	21.56	21.59	21.57		
3	WQAM	8	0	21.84	21.62	21.63		
3	WQAM	8	7	21.61	21.68	21.67	23	
3	WQAM	16	0	21.69	21.64	21.62		
3	WQAM	1	0	21.85	21.87	21.74		
3	WQAM	1	8	21.78	21.83	21.69	22	
3	WQAM	1	16	21.81	21.79	21.16		
3	WQAM	8	0	20.81	20.80	20.81		
3	WQAM	8	4	20.76	20.72	20.69	20	
3	WQAM	8	7	20.63	20.72	20.41		
3	WQAM	16	0	20.65	20.59	20.59		
3	SSBQAM	1	0	18.46	18.67	18.49	20	
3	SSBQAM	1	8	18.43	18.47	18.51		
3	SSBQAM	1	16	18.45	18.63	18.45		
3	SSBQAM	8	0	18.36	18.44	18.36	20	
3	SSBQAM	8	4	18.46	18.37	18.36		
3	SSBQAM	8	7	18.34	18.42	18.43		
3	SSBQAM	16	0	18.46	18.44	18.35	20	
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.45	23.52	23.43	25	
1.4	QPSK	1	3	23.54	23.58	23.48		
1.4	QPSK	1	5	23.47	23.51	23.39		
1.4	QPSK	1	6	23.53	23.52	23.47	24	
1.4	QPSK	3	1	23.57	23.62	23.50		
1.4	QPSK	3	2	23.53	23.57	23.48		
1.4	QPSK	6	0	22.58	22.64	22.51	24	
1.4	WQAM	1	0	22.79	22.84	22.78		
1.4	WQAM	1	3	22.89	22.84	22.77		
1.4	WQAM	1	5	22.82	22.88	22.72	24	
1.4	WQAM	3	0	22.63	22.64	22.54		
1.4	WQAM	3	1	22.66	22.72	22.60		
1.4	WQAM	3	1	22.61	22.63	22.49	23	
1.4	WQAM	6	0	21.84	21.71	21.58		
1.4	WQAM	1	0	21.74	21.75	21.39		
1.4	WQAM	1	3	21.84	21.81	21.44	23	
1.4	WQAM	1	6	21.78	21.82	21.39		
1.4	WQAM	3	0	21.78	21.74	21.32		
1.4	WQAM	3	1	21.78	21.84	21.44	22	
1.4	WQAM	6	0	20.80	20.65	20.36		
1.4	SSBQAM	1	0	18.46	18.60	18.51		
1.4	SSBQAM	1	3	18.46	18.47	18.51	20	
1.4	SSBQAM	1	6	18.42	18.53	18.54		
1.4	SSBQAM	3	0	18.45	18.47	18.41		
1.4	SSBQAM	3	1	18.39	18.32	18.38	20	
1.4	SSBQAM	3	1	18.34	18.39	18.41		
1.4	SSBQAM	6	0	18.51	18.40	18.42		



Band 7_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mean Ch. Freq.	Power High Ch. Freq.	Time-up limit (min)
Channel							
Frequency (MHz)							
20	QPSK	1	0	23.97	23.98	23.99	25.5
20	QPSK	1	49	23.93	23.99	23.94	
20	QPSK	1	99	23.99	24.08	24.02	
20	QPSK	80	0	23.97	23.92	23.92	24.5
20	QPSK	50	24	23.10	23.08	23.08	
20	QPSK	50	50	23.11	23.16	23.13	
20	QPSK	100	0	23.07	23.07	23.05	24.5
20	HQAM	1	0	23.27	23.30	23.29	
20	HQAM	1	49	23.29	23.38	23.38	
20	HQAM	1	99	23.33	23.40	23.34	23.5
20	HQAM	50	0	21.09	22.04	22.02	
20	HQAM	50	24	22.16	22.16	22.06	
20	HQAM	50	50	22.13	22.17	22.14	23.5
20	HQAM	100	0	22.08	22.07	22.03	
20	HQAM	1	0	22.06	22.11	22.10	23.5
20	HQAM	1	49	22.10	22.26	22.21	
20	HQAM	1	99	22.24	22.32	22.27	
20	HQAM	50	0	21.08	21.08	21.05	22.5
20	HQAM	50	24	21.12	21.11	21.08	
20	HQAM	50	50	21.15	21.21	21.15	
20	HQAM	100	0	21.12	21.05	21.07	20.5
20	SSBQAM	1	0	19.20	19.27	19.13	
20	SSBQAM	1	49	19.38	19.16	19.22	
20	SSBQAM	1	99	19.12	19.17	19.11	20.5
20	SSBQAM	50	0	19.12	19.12	19.07	
20	SSBQAM	50	24	19.22	19.14	19.10	
20	SSBQAM	50	50	19.17	19.16	19.13	20.5
20	SSBQAM	100	0	19.23	19.11	19.05	
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>							
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>							
15	QPSK	1	0	23.83	23.84	23.85	25.5
15	QPSK	1	49	23.86	23.90	23.85	
15	QPSK	1	74	23.97	24.04	23.94	
15	QPSK	30	0	22.95	22.98	22.90	24.5
15	QPSK	30	20	23.08	23.04	23.04	
15	QPSK	30	39	23.08	23.13	23.09	
15	QPSK	75	0	23.02	23.01	23.01	24.5
15	HQAM	1	0	23.23	23.30	23.29	
15	HQAM	1	37	23.24	23.36	23.30	
15	HQAM	1	74	23.31	23.34	23.24	23.5
15	HQAM	30	0	21.88	22.04	22.01	
15	HQAM	30	20	22.10	22.02	21.97	
15	HQAM	30	39	22.10	22.06	22.14	23.5
15	HQAM	75	0	21.98	22.05	21.94	
15	HQAM	1	0	22.07	22.08	22.06	
15	HQAM	1	74	22.08	22.20	22.19	23.5
15	HQAM	1	74	22.14	22.25	22.17	
15	HQAM	30	0	20.95	20.98	21.02	
15	HQAM	30	20	21.03	21.02	21.06	22.5
15	HQAM	30	39	21.12	21.21	21.06	
15	HQAM	75	0	21.06	21.05	21.00	
15	SSBQAM	1	0	19.17	19.25	19.13	20.5
15	SSBQAM	1	37	19.16	19.12	19.10	
15	SSBQAM	30	74	19.24	19.12	19.02	
15	SSBQAM	30	0	19.04	19.12	19.04	20.5
15	SSBQAM	30	20	19.14	19.05	19.05	
15	SSBQAM	30	39	19.15	19.14	19.08	
15	SSBQAM	75	0	19.23	19.04	19.07	20.5
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>							
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>							
10	QPSK	1	0	23.89	23.92	23.99	25.5
10	QPSK	1	25	23.93	23.90	23.84	
10	QPSK	1	49	23.96	24.01	23.98	
10	QPSK	25	0	22.91	22.99	22.97	24.5
10	QPSK	25	12	23.07	23.06	23.00	
10	QPSK	25	26	23.03	23.09	23.03	
10	QPSK	50	0	22.99	23.06	23.01	24.5
10	HQAM	1	0	23.17	23.24	23.26	
10	HQAM	25	25	23.27	23.34	23.35	
10	HQAM	1	49	23.31	23.39	23.31	23.5
10	HQAM	25	0	21.92	22.00	21.95	
10	HQAM	25	12	22.07	22.09	22.09	
10	HQAM	25	26	22.08	22.10	22.07	23.5
10	HQAM	50	0	22.02	22.04	22.00	
10	HQAM	1	0	22.00	22.13	22.10	
10	HQAM	1	25	22.06	22.16	22.18	22.5
10	HQAM	1	49	22.14	22.31	22.25	
10	HQAM	25	0	20.91	21.02	20.96	
10	HQAM	25	12	21.04	21.04	21.02	22.5
10	HQAM	25	26	21.08	21.14	21.09	
10	HQAM	50	0	21.10	21.05	21.02	
10	SSBQAM	1	0	19.15	19.19	19.09	20.5
10	SSBQAM	1	25	19.20	19.07	19.02	
10	SSBQAM	1	49	19.10	19.09	19.03	
10	SSBQAM	25	0	19.03	19.05	19.06	20.5
10	SSBQAM	25	12	19.21	19.07	19.09	
10	SSBQAM	25	26	19.16	19.08	19.08	
10	SSBQAM	50	0	19.18	19.04	19.09	20.5
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>							
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>							
5	QPSK	1	0	23.84	23.83	23.86	25.5
5	QPSK	1	12	23.93	23.93	23.88	
5	QPSK	1	24	23.89	24.02	23.95	
5	QPSK	10	0	22.96	23.03	22.99	24.5
5	QPSK	12	7	23.09	23.02	22.96	
5	QPSK	12	13	23.11	23.14	23.13	
5	QPSK	25	0	23.04	22.98	23.01	24.5
5	HQAM	1	0	23.17	23.28	23.19	
5	HQAM	1	12	23.25	23.33	23.30	
5	HQAM	1	24	23.32	23.34	23.34	23.5
5	HQAM	12	0	21.94	21.98	21.98	
5	HQAM	12	13	22.03	22.02	22.05	
5	HQAM	12	13	22.10	22.15	22.14	23.5
5	HQAM	25	0	22.00	22.07	21.95	
5	HQAM	1	0	22.01	22.10	22.09	
5	HQAM	1	12	22.10	22.21	22.15	22.5
5	HQAM	1	24	22.18	22.31	22.19	
5	HQAM	12	13	21.08	21.17	21.08	
5	HQAM	25	0	21.04	21.02	21.07	22.5
5	SSBQAM	1	0	19.11	19.25	19.11	
5	SSBQAM	1	12	19.26	19.06	19.15	
5	SSBQAM	1	24	19.08	19.10	19.03	20.5
5	SSBQAM	12	0	19.08	19.06	19.06	
5	SSBQAM	12	7	19.22	19.13	19.00	
5	SSBQAM	12	13	19.12	19.07	19.13	20.5
5	SSBQAM	25	0	19.22	19.07	19.02	

Band 13_Ant 1								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq	Power High Ch. 1 Freq	Power High Ch. 2 Freq	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.53			25	
10	QPSK	1	25	23.51				
10	QPSK	1	49	23.57				
10	QPSK	25	0	22.60				
10	QPSK	25	12	22.61			24	
10	QPSK	25	25	22.65				
10	QPSK	50	0	22.61				
10	QPSK	50	0	22.62				
10	16QAM	1	0	22.66			24	
10	16QAM	1	25	22.68				
10	16QAM	1	49	22.68				
10	16QAM	25	12	21.81				
10	16QAM	25	25	21.86			23	
10	16QAM	25	12	21.89				
10	16QAM	50	0	21.94				
10	16QAM	50	0	21.96				
10	16QAM	1	25	21.91			23	
10	16QAM	1	49	21.78				
10	16QAM	25	0	20.85				
10	16QAM	25	12	20.89				
10	16QAM	25	25	20.71			22	
10	16QAM	50	0	20.68				
10	256QAM	1	0	18.25				
10	256QAM	1	25	18.50				
10	256QAM	1	49	18.76			20	
10	256QAM	25	0	18.41				
10	256QAM	25	12	18.46				
10	256QAM	25	25	18.59				
10	256QAM	50	0	18.44			20	
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.45	23.48	23.22	25	
5	QPSK	1	12	23.50	23.54	23.34		
5	QPSK	1	24	23.55	23.56	23.31		
5	QPSK	12	0	22.58	22.59	22.32		
5	QPSK	12	7	22.52	22.53	22.40	24	
5	QPSK	12	13	22.85	22.87	22.38		
5	QPSK	25	0	22.85	22.83	22.37		
5	16QAM	1	0	22.84	22.78	22.50		
5	16QAM	1	12	22.75	22.82	22.48	24	
5	16QAM	1	24	22.84	22.80	22.51		
5	16QAM	12	0	21.82	21.84	21.38		
5	16QAM	12	7	21.88	21.84	21.43		
5	16QAM	12	13	21.88	21.71	21.42	23	
5	16QAM	25	0	21.70	21.63	21.41		
5	16QAM	1	0	21.73	21.68	21.42		
5	16QAM	1	49	21.68	21.81	21.43		
5	16QAM	1	24	21.77	21.81	21.48	23	
5	16QAM	12	0	20.86	20.70	20.43		
5	16QAM	12	7	20.72	20.87	20.45		
5	16QAM	12	13	20.71	20.75	20.45		
5	16QAM	25	0	20.73	20.86	20.42	22	
5	256QAM	1	0	18.16	18.24	18.25		
5	256QAM	1	12	18.43	18.45	18.47		
5	256QAM	1	24	18.65	18.67	18.66		
5	256QAM	12	0	18.37	18.35	18.38		
5	256QAM	12	7	18.48	18.36	18.40	20	
5	256QAM	12	13	18.58	18.55	18.54		
5	256QAM	25	0	18.37	18.34	18.41		
5	256QAM	25	1	18.37	18.34	18.41		

Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.66	23.66		25
10	QPSK	1	25	23.60	23.60		
10	QPSK	1	49	23.58	23.58		
10	QPSK	25	0	22.63	22.63		24
10	QPSK	25	12	22.65	22.65		
10	QPSK	25	25	22.74	22.74		
10	QPSK	50	0	22.57	22.57		24
10	16QAM	1	0	23.62	23.62		
10	16QAM	1	25	22.99	22.99		
10	16QAM	1	49	22.97	22.97		23
10	16QAM	25	0	21.82	21.82		
10	16QAM	25	12	21.86	21.86		
10	16QAM	25	25	21.73	21.73		23
10	16QAM	50	0	21.98	21.98		
10	16QAM	1	0	21.92	21.92		23
10	16QAM	1	25	21.95	21.95		
10	16QAM	1	49	21.99	21.99		
10	16QAM	25	0	20.87	20.87		22
10	16QAM	25	12	20.89	20.89		
10	16QAM	25	25	20.76	20.76		
10	256QAM	1	0	18.45	18.45		20
10	256QAM	1	25	18.58	18.58		
10	256QAM	1	49	18.74	18.74		
10	256QAM	25	0	18.50	18.50		20
10	256QAM	25	12	18.44	18.44		
10	256QAM	25	25	18.47	18.47		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.58	23.55	23.58	25
5	QPSK	1	12	23.63	23.60	23.64	
5	QPSK	1	24	23.65	23.64	23.56	
5	QPSK	12	0	22.71	22.65	22.84	24
5	QPSK	12	12	22.76	22.73	22.79	
5	QPSK	12	13	22.71	22.73	22.88	
5	QPSK	25	0	22.69	22.66	22.63	24
5	16QAM	1	0	22.91	22.92	22.87	
5	16QAM	1	12	23.09	23.02	22.98	
5	16QAM	1	24	22.96	23.00	22.99	23
5	16QAM	12	0	21.73	21.68	21.64	
5	16QAM	12	7	21.77	21.77	21.73	
5	16QAM	12	13	21.73	21.72	21.66	23
5	16QAM	25	0	21.71	21.68	21.64	
5	16QAM	1	0	21.87	21.89	21.85	
5	16QAM	1	12	21.93	22.00	21.94	23
5	16QAM	1	24	21.90	21.95	21.92	
5	16QAM	12	0	20.80	20.71	20.89	
5	16QAM	12	7	20.78	20.83	20.75	22
5	16QAM	12	13	20.75	20.76	20.89	
5	16QAM	25	0	20.72	20.67	20.89	
5	256QAM	1	0	18.36	18.37	18.42	20
5	256QAM	1	12	18.55	18.48	18.52	
5	256QAM	1	24	18.74	18.72	18.67	
5	256QAM	12	0	18.50	18.42	18.48	20
5	256QAM	12	7	18.38	18.34	18.35	
5	256QAM	12	13	18.47	18.46	18.39	
5	256QAM	25	0	18.40	18.47	18.44	

Band 17_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Main Ch.2 Freq.	Power High Ch.3 Freq.	Power High Ch.4 Freq.	Time-up (ms)	
Channel				700	710	711			
10	QPSK	1	0	23.38	23.38	23.38			
10	QPSK	1	49	23.37	23.37	23.37			25
10	QPSK	25	0	23.38	23.38	23.38			
10	QPSK	25	12	22.52	22.52	22.52			24
10	QPSK	25	25	22.59	22.57	22.55			
10	QPSK	50	0	22.47	22.48	22.45			
10	HQAM	1	0	22.70	22.68	22.69			
10	HQAM	1	25	22.70	22.78	22.74			24
10	HQAM	1	49	22.76	22.80	22.77			
10	HQAM	25	0	21.41	21.41	21.41			
10	HQAM	25	12	21.55	21.48	21.47			23
10	HQAM	25	25	21.57	21.54	21.51			
10	HQAM	50	0	21.44	21.46	21.42			
10	HQAM	1	0	21.55	21.54	21.51			
10	HQAM	1	25	21.57	21.58	21.58			23
10	HQAM	1	49	21.53	21.60	21.48			
10	HQAM	25	0	20.42	20.43	20.44			
10	HQAM	25	12	20.59	20.51	20.51			22
10	HQAM	25	25	20.59	20.58	20.58			
10	HQAM	50	0	20.49	20.47	20.46			
10	256QAM	1	0	18.34	18.39	18.22			
10	256QAM	1	25	18.43	18.45	18.47			20
10	256QAM	1	49	18.54	18.47	18.38			
10	256QAM	25	0	18.31	18.27	18.30			
10	256QAM	25	12	18.30	18.40	18.34			
10	256QAM	25	25	18.40	18.37	18.39			20
10	256QAM	50	0	18.27	18.48	18.31			
Channel				700.5	710	713.5			
Frequency (MHz)				700.5	710	713.5			
5	QPSK	1	0	23.33	23.28	23.27			
5	QPSK	1	49	23.43	23.42	23.30			25
5	QPSK	1	24	23.43	23.44	23.40			
5	QPSK	12	0	22.44	22.48	22.41			
5	QPSK	12	13	22.51	22.48	22.43			24
5	QPSK	12	13	22.53	22.52	22.45			
5	QPSK	25	0	22.49	22.47	22.42			
5	HQAM	1	0	22.65	22.67	22.66			
5	HQAM	1	12	22.74	22.78	22.70			24
5	HQAM	1	24	22.78	22.79	22.75			
5	HQAM	12	0	21.48	21.47	21.48			
5	HQAM	12	7	21.53	21.52	21.45			23
5	HQAM	12	13	21.54	21.52	21.47			
5	HQAM	25	0	21.51	21.48	21.44			
5	HQAM	1	0	21.57	21.66	21.63			
5	HQAM	1	49	21.66	21.70	21.64			23
5	HQAM	1	24	21.79	21.76	21.67			
5	HQAM	12	0	20.50	20.49	20.47			
5	HQAM	12	7	20.57	20.55	20.51			22
5	HQAM	12	13	20.57	20.58	20.52			
5	HQAM	25	0	20.51	20.49	20.41			
5	256QAM	1	0	18.25	18.31	18.16			
5	256QAM	1	12	18.40	18.45	18.42			20
5	256QAM	1	24	18.52	18.39	18.37			
5	256QAM	12	0	18.26	18.25	18.25			
5	256QAM	12	7	18.26	18.33	18.30			20
5	256QAM	12	13	18.36	18.37	18.37			
5	256QAM	25	0	18.30	18.30	18.31			

Band 30								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.87			25.7	
10	QPSK	1	25	23.88				
10	QPSK	1	49	23.85				
10	QPSK	25	0	22.90			24.7	
10	QPSK	25	12	22.94				
10	QPSK	25	25	22.96				
10	QPSK	50	0	22.94			24.7	
10	16QAM	1	0	23.21				
10	16QAM	1	25	23.25				
10	16QAM	1	49	23.23			23.7	
10	16QAM	25	0	21.88				
10	16QAM	25	12	21.97				
10	16QAM	25	25	21.94			23.7	
10	16QAM	50	0	21.93				
10	16QAM	1	0	22.96			23.7	
10	16QAM	1	25	22.02				
10	16QAM	1	49	22.02				
10	16QAM	25	0	20.92			22.7	
10	16QAM	25	12	21.02				
10	16QAM	25	25	20.95				
10	16QAM	50	0	20.88			20.7	
10	256QAM	1	0	19.20				
10	256QAM	1	25	19.23				
10	256QAM	1	49	19.13			20.7	
10	256QAM	25	0	18.96				
10	256QAM	25	12	19.06				
10	256QAM	25	25	19.03			20.7	
10	256QAM	50	0	19.03				
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.75	23.79	23.86	25.7	
5	QPSK	1	24	23.82	23.86	23.83		
5	QPSK	1	48	23.85	23.87	23.79		
5	QPSK	12	0	22.87	22.89	22.94	24.7	
5	QPSK	12	7	22.99	22.94	22.98		
5	QPSK	12	13	22.89	22.83	22.96		
5	QPSK	25	0	22.97	22.94	22.96	24.7	
5	16QAM	1	0	23.07	23.10	23.17		
5	16QAM	1	12	23.18	23.17	23.19		
5	16QAM	1	24	23.24	23.18	23.25	23.7	
5	16QAM	12	0	21.88	21.93	21.95		
5	16QAM	12	7	22.01	21.98	22.00		
5	16QAM	12	13	22.01	21.96	21.96	23.7	
5	16QAM	25	0	21.98	21.94	21.94		
5	16QAM	1	0	22.03	22.08	21.87		
5	16QAM	1	22	22.10	22.14	21.87	23.7	
5	16QAM	1	24	22.16	22.09	21.83		
5	16QAM	12	0	20.94	20.96	20.93		
5	16QAM	12	7	21.05	21.02	20.96	22.7	
5	16QAM	12	13	21.05	20.96	20.95		
5	16QAM	25	0	21.01	21.00	20.81		
5	256QAM	1	0	19.11	19.19	19.16	20.7	
5	256QAM	1	12	19.21	19.19	19.22		
5	256QAM	1	24	19.06	19.07	19.07		
5	256QAM	12	7	18.99	19.06	18.96	20.7	
5	256QAM	12	13	19.03	19.03	19.06		
5	256QAM	25	0	19.03	19.06	19.01		

Band 12_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.84	24.83	24.85	24.86	25.7	
10	QPSK	1	25	24.89	24.88	24.90	24.91		
10	QPSK	1	49	24.87	24.83	24.83	24.83		
10	QPSK	25	0	23.72	23.74	23.71	23.71		
10	QPSK	25	12	23.78	23.73	23.72	23.72		
10	QPSK	25	25	23.77	23.79	23.80	23.80		
10	QPSK	50	0	23.78	23.71	23.73	23.73		
10	HQAM	1	0	23.96	23.95	23.97	23.97		
10	HQAM	1	25	23.97	23.99	24.01	24.01		
10	HQAM	1	49	24.06	24.01	24.04	24.04		
10	HQAM	25	0	22.71	22.73	22.74	22.74		
10	HQAM	25	12	22.76	22.73	22.75	22.75		
10	HQAM	25	25	22.72	22.80	22.77	22.77		
10	HQAM	50	0	22.75	22.72	22.74	22.74		
10	HQAM	1	0	22.87	22.86	22.84	22.84		
10	HQAM	1	25	22.88	22.92	22.96	22.96		
10	HQAM	1	49	22.96	22.91	22.94	22.94		
10	HQAM	25	0	21.78	21.74	21.76	21.76		
10	HQAM	25	12	21.84	21.77	21.78	21.78		
10	HQAM	25	25	21.79	21.81	21.80	21.80		
10	HQAM	50	0	21.85	21.77	21.77	21.77		
10	SSBQAM	1	0	19.42	19.54	19.55	19.55		
10	SSBQAM	1	25	19.56	19.57	19.58	19.58		
10	SSBQAM	1	49	19.52	19.58	19.54	19.54		
10	SSBQAM	25	0	19.52	19.54	19.55	19.55		
10	SSBQAM	25	12	19.56	19.48	19.45	19.45		
10	SSBQAM	25	25	19.42	19.47	19.55	19.55		
10	SSBQAM	50	0	19.53	19.51	19.51	19.51		
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.65	24.66	24.63	24.63		
5	QPSK	1	25	24.65	24.63	24.63	24.63		
5	QPSK	1	24	24.64	24.65	24.64	24.64		
5	QPSK	12	0	23.75	23.73	23.73	23.73		
5	QPSK	12	1	23.78	23.80	23.75	23.75		
5	QPSK	12	13	23.70	23.74	23.72	23.72		
5	QPSK	25	0	23.73	23.71	23.71	23.71		
5	HQAM	1	0	23.98	23.99	23.97	23.97		
5	HQAM	1	12	24.01	24.01	23.99	23.99		
5	HQAM	1	24	24.02	24.01	23.97	23.97		
5	HQAM	12	0	22.83	22.78	22.78	22.78		
5	HQAM	12	7	22.78	22.80	22.74	22.74		
5	HQAM	12	13	22.75	22.75	22.75	22.75		
5	HQAM	25	0	22.78	22.71	22.70	22.70		
5	HQAM	1	0	22.98	22.95	22.88	22.88		
5	HQAM	1	12	22.92	22.93	22.94	22.94		
5	HQAM	1	24	22.96	22.98	22.92	22.92		
5	HQAM	12	0	21.86	21.82	21.82	21.82		
5	HQAM	12	7	21.83	21.83	21.78	21.78		
5	HQAM	12	13	21.76	21.80	21.77	21.77		
5	HQAM	25	0	21.76	21.74	21.74	21.74		
5	SSBQAM	1	0	19.56	19.48	19.48	19.48		
5	SSBQAM	1	12	19.50	19.49	19.52	19.52		
5	SSBQAM	1	24	19.52	19.48	19.50	19.50		
5	SSBQAM	12	0	19.45	19.52	19.50	19.50		
5	SSBQAM	12	7	19.51	19.48	19.42	19.42		
5	SSBQAM	12	13	19.56	19.57	19.54	19.54		
5	SSBQAM	25	0	19.53	19.48	19.48	19.48		
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.92	23.88	23.86	23.86		
3	QPSK	1	8	23.92	23.95	23.93	23.93		
3	QPSK	8	0	23.85	23.90	23.84	23.84		
3	QPSK	8	0	22.99	22.97	22.94	22.94		
3	QPSK	8	4	22.98	23.00	22.97	22.97		
3	QPSK	8	7	22.94	22.97	22.92	22.92		
3	QPSK	16	0	22.96	22.92	22.92	22.92		
3	HQAM	1	0	23.26	23.19	23.22	23.22		
3	HQAM	8	0	23.31	23.31	23.29	23.29		
3	HQAM	1	14	23.18	23.22	23.19	23.19		
3	HQAM	8	4	22.98	22.91	22.90	22.90		
3	HQAM	8	7	22.09	22.09	22.04	22.04		
3	HQAM	8	7	22.00	22.06	21.98	21.98		
3	HQAM	16	0	22.01	21.95	21.94	21.94		
3	HQAM	1	0	22.21	22.14	22.14	22.14		
3	HQAM	1	8	22.24	22.23	22.20	22.20		
3	HQAM	1	14	22.15	22.16	22.12	22.12		
3	HQAM	8	0	21.83	21.83	20.86	20.86		
3	HQAM	8	4	21.86	21.87	20.89	20.89		
3	HQAM	8	7	20.99	21.02	20.99	20.99		
3	HQAM	16	0	21.00	20.95	20.93	20.93		
3	SSBQAM	1	0	19.52	19.45	19.43	19.43		
3	SSBQAM	1	8	19.58	19.50	19.48	19.48		
3	SSBQAM	1	14	19.60	19.67	19.58	19.58		
3	SSBQAM	8	0	19.48	19.44	19.45	19.45		
3	SSBQAM	8	4	19.53	19.48	19.39	19.39		
3	SSBQAM	8	7	19.45	19.37	19.53	19.53		
3	SSBQAM	16	0	19.51	19.44	19.45	19.45		
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.15	23.14	23.13	23.13		
1.4	QPSK	1	3	23.78	23.80	23.80	23.80		
1.4	QPSK	1	5	23.72	23.73	23.71	23.71		
1.4	QPSK	1	4	23.80	23.78	23.77	23.77		
1.4	QPSK	3	1	23.84	23.78	23.79	23.79		
1.4	QPSK	3	3	23.74	23.78	23.74	23.74		
1.4	QPSK	6	0	22.63	22.64	22.61	22.61		
1.4	HQAM	1	0	23.09	23.07	23.09	23.09		
1.4	HQAM	1	3	23.12	23.14	23.10	23.10		
1.4	HQAM	1	5	23.08	23.05	23.03	23.03		
1.4	HQAM	3	0	22.89	22.84	22.86	22.86		
1.4	HQAM	3	1	22.84	22.83	22.82	22.82		
1.4	HQAM	6	0	21.88	21.90	21.86	21.86		
1.4	HQAM	1	0	22.01	21.98	21.99	21.99		
1.4	HQAM	1	3	22.06	22.09	22.03	22.03		
1.4	HQAM	1	5	22.03	22.02	21.97	21.97		
1.4	HQAM	3	0	21.98	21.94	21.98	21.98		
1.4	HQAM	3	1	22.02	21.97	22.00	22.00		
1.4	HQAM	6	0	21.94	21.95	21.95	21.95		
1.4	SSBQAM	1	0	20.98	20.98	20.93	20.93		
1.4	SSBQAM	1	0	19.38	19.48	19.42	19.42		
1.4	SSBQAM	3	0	19.57	19.54	19.56	19.56		
1.4	SSBQAM	1	0	19.58	19.67	19.59	19.59		
1.4	SSBQAM	3	0	19.42	19.45	19.51	19.51		
1.4	SSBQAM	3	1	19.56	19.41	19.35	19.35		
1.4	SSBQAM	3	1	19.39	19.44	19.52	19.52		
1.4	SSBQAM	6	0	19.47	19.48	19.50	19.50		

Band 13_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Main Ch. / Freq	Power High Ch. / Freq	Time-up (ms) (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0		23.98		25.2
10	QPSK	1	25		24.02		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.16		24.2
10	QPSK	25	12		23.17		
10	QPSK	25	25		23.19		
10	QPSK	50	0		23.18		24.2
10	16QAM	1	0		23.38		
10	16QAM	1	25		23.37		
10	16QAM	1	49		23.40		23.2
10	16QAM	25	0		22.17		
10	16QAM	25	12		22.20		
10	16QAM	25	25		22.22		23.2
10	16QAM	50	0		22.19		
10	16QAM	1	0		22.21		
10	16QAM	1	25		22.32		22.2
10	16QAM	1	49		22.34		
10	16QAM	25	0		21.17		
10	16QAM	25	12		21.24		20.2
10	16QAM	25	25		21.23		
10	16QAM	50	0		21.23		
10	256QAM	1	0		18.81		20.2
10	256QAM	1	25		18.97		
10	256QAM	1	49		18.91		
10	256QAM	25	0		18.78		20.2
10	256QAM	25	12		18.86		
10	256QAM	25	25		18.89		
10	256QAM	50	0		18.84		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.93	23.98	23.74	25.2
5	QPSK	1	12	24.04	24.07	23.77	
5	QPSK	1	24	24.07	24.08	23.83	
5	QPSK	12	0	23.19	23.13	22.85	24.2
5	QPSK	12	6	23.18	23.15	22.83	
5	QPSK	12	12	23.19	23.21	22.89	
5	QPSK	25	0	23.18	23.14	22.90	24.2
5	16QAM	1	0	23.31	23.29	23.01	
5	16QAM	1	12	23.29	23.33	23.04	
5	16QAM	1	24	23.37	23.38	23.04	23.2
5	16QAM	12	0	22.20	22.17	21.92	
5	16QAM	12	6	22.20	22.17	21.95	
5	16QAM	12	12	22.21	22.22	21.94	23.2
5	16QAM	25	0	22.23	22.18	21.92	
5	16QAM	1	0	22.19	22.28	21.94	
5	16QAM	1	12	22.25	22.26	22.01	22.2
5	16QAM	1	24	22.29	22.32	22.02	
5	16QAM	12	0	21.22	21.23	20.98	
5	16QAM	12	6	21.26	21.21	20.98	20.2
5	16QAM	12	12	21.25	21.26	20.95	
5	16QAM	25	0	21.06	21.17	20.98	
5	256QAM	1	0	18.95	18.97	18.98	20.2
5	256QAM	1	12	18.93	18.96	18.94	
5	256QAM	1	24	18.96	18.96	18.96	
5	256QAM	12	0	18.77	18.69	18.74	20.2
5	256QAM	12	6	18.83	18.78	18.79	
5	256QAM	12	12	18.82	18.84	18.79	
5	256QAM	25	0	18.77	18.77	18.74	

Band 14_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.59	24.59			25.7		
10	QPSK	1	25	24.53	24.53					
10	QPSK	1	49	24.48	24.48					
10	QPSK	25	0	23.55	23.55			24.7		
10	QPSK	25	12	23.57	23.57					
10	QPSK	25	25	23.63	23.63					
10	QPSK	50	0	23.55	23.55			24.7		
10	16QAM	1	0	23.95	23.95					
10	16QAM	1	25	23.91	23.91					
10	16QAM	1	49	23.86	23.86			23.7		
10	16QAM	25	12	22.57	22.57					
10	16QAM	25	25	22.64	22.64					
10	16QAM	50	0	22.55	22.55			23.7		
10	16QAM	1	0	22.79	22.79					
10	16QAM	1	25	22.54	22.54			23.7		
10	16QAM	1	49	22.79	22.79					
10	16QAM	25	0	21.58	21.58					
10	16QAM	25	12	21.81	21.81			22.7		
10	16QAM	25	25	21.83	21.83					
10	16QAM	50	0	21.59	21.59					
10	256QAM	1	25	19.57	19.57			20.7		
10	256QAM	1	49	19.55	19.55					
10	256QAM	25	0	19.29	19.29					
10	256QAM	25	12	19.34	19.34			20.7		
10	256QAM	25	25	19.33	19.33					
10	256QAM	50	0	19.25	19.25					
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.48	24.48	24.45		25.7		
5	QPSK	1	24	24.56	24.53	24.55				
5	QPSK	1	25	24.55	24.55	24.48				
5	QPSK	12	0	23.62	23.54	23.51		24.7		
5	QPSK	12	7	23.68	23.68	23.60				
5	QPSK	12	13	23.81	23.80	23.58				
5	QPSK	25	0	23.59	23.54	23.52		24.7		
5	16QAM	1	0	23.82	23.82	23.78				
5	16QAM	1	12	23.90	23.92	23.86				
5	16QAM	1	24	23.88	23.88	23.79		23.7		
5	16QAM	12	0	22.84	22.81	22.53				
5	16QAM	12	7	22.68	22.69	22.80				
5	16QAM	12	13	22.60	22.62	22.58		23.7		
5	16QAM	25	0	22.62	22.58	22.58				
5	16QAM	1	0	22.81	22.77	22.77				
5	16QAM	1	49	22.83	22.85	22.84		23.7		
5	16QAM	1	24	22.82	22.82	22.82				
5	16QAM	12	0	21.71	21.60	21.58				
5	16QAM	12	0	21.69	21.70	21.68		22.7		
5	16QAM	12	13	21.83	21.86	21.81				
5	16QAM	25	0	21.80	21.81	21.84				
5	256QAM	1	0	19.47	19.48	19.53		20.7		
5	256QAM	1	12	19.31	19.33	19.28				
5	256QAM	1	24	19.46	19.46	19.42				
5	256QAM	12	0	19.19	19.27	19.27		20.7		
5	256QAM	12	7	19.28	19.28	19.34				
5	256QAM	12	13	19.33	19.36	19.33				
5	256QAM	25	0	19.21	19.18	19.15				

Band 17_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Main Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power Main Ch.2 Freq.	Power High Ch.2 Freq.
Channel				700	710	711	Time-up (ms)		
Frequency (MHz)				708.5	710	713.5			
10	QPSK	1	0	24.58	24.58	24.53	25.7		
10	QPSK	1	25	24.58	24.64	24.64			
10	QPSK	1	49	24.62	24.65	24.62			
10	QPSK	25	0	23.84	23.85	23.85	24.7		
10	QPSK	25	12	23.78	23.73	23.71			
10	QPSK	25	25	23.80	23.79	23.80			
10	QPSK	50	0	23.09	23.12	23.09	24.7		
10	HQAM	1	0	23.90	23.92	23.91			
10	HQAM	1	25	24.01	24.01	24.00			
10	HQAM	1	49	24.01	24.02	24.02	23.7		
10	HQAM	25	0	22.62	22.64	22.64			
10	HQAM	25	12	22.78	22.71	22.71			
10	HQAM	25	25	22.77	22.81	22.76	23.7		
10	HQAM	50	0	22.89	22.70	22.87			
10	HQAM	1	0	22.86	22.79	22.74	23.7		
10	HQAM	1	25	22.92	22.97	22.98			
10	HQAM	1	49	22.92	22.98	22.93			
10	HQAM	25	0	21.87	21.87	21.87	22.7		
10	HQAM	25	12	21.84	21.78	21.78			
10	HQAM	25	25	21.80	21.82	21.82			
10	HQAM	50	0	21.70	21.71	21.71	20.7		
10	256QAM	1	0	19.44	19.37	19.33			
10	256QAM	1	25	19.50	19.48	19.51			
10	256QAM	1	49	19.58	19.60	19.68	20.7		
10	256QAM	25	0	19.46	19.44	19.46			
10	256QAM	25	12	19.56	19.52	19.43			
10	256QAM	25	25	19.58	19.54	19.52	20.7		
10	256QAM	50	0	19.45	19.48	19.45			
Channel				711.5	716.5	719.5	Time-up (ms)		
Frequency (MHz)				708.5	710	713.5			
5	QPSK	1	0	24.57	24.58	24.55	25.7		
5	QPSK	1	12	24.60	24.61	24.63			
5	QPSK	1	24	24.64	24.61	24.64			
5	QPSK	12	0	23.87	23.89	23.88	24.7		
5	QPSK	12	7	23.78	23.74	23.69			
5	QPSK	12	12	23.77	23.76	23.73			
5	QPSK	25	0	23.75	23.75	23.65	24.7		
5	HQAM	1	0	23.91	23.93	23.91			
5	HQAM	1	12	23.97	24.03	23.98			
5	HQAM	1	24	24.08	24.04	24.01	23.7		
5	HQAM	12	0	22.70	22.72	22.72			
5	HQAM	12	7	22.78	22.74	22.73			
5	HQAM	12	12	22.78	22.77	22.74	23.7		
5	HQAM	25	0	22.74	22.75	22.69			
5	HQAM	1	0	22.89	22.87	22.88			
5	HQAM	1	12	22.90	22.96	22.90	23.7		
5	HQAM	1	24	22.94	23.00	22.93			
5	HQAM	12	0	21.73	21.77	21.78			
5	HQAM	12	7	21.81	21.79	21.73	22.7		
5	HQAM	12	12	21.79	21.85	21.75			
5	HQAM	25	0	21.78	21.74	21.70			
5	256QAM	1	0	19.41	19.26	19.24	20.7		
5	256QAM	1	12	19.49	19.46	19.44			
5	256QAM	1	24	19.44	19.50	19.50			
5	256QAM	12	0	19.39	19.34	19.41	20.7		
5	256QAM	12	7	19.58	19.47	19.40			
5	256QAM	12	12	19.53	19.54	19.52			
5	256QAM	25	0	19.37	19.41	19.45			



Band 30_Ant 2							
RF (MHz)	Modulation	RE Size	RE Offset	Power / Freq. (dBm)	Power / Freq. (dBm)	Power / Freq. (dBm)	Time-up (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0		23.15		24.2
10	QPSK	1	25		23.09		
10	QPSK	1	49		23.02		
10	QPSK	25	0		22.08		23.2
10	QPSK	25	12		22.16		
10	QPSK	25	25		22.18		
10	QPSK	50	0		22.14		23.2
10	HQAM	1	0		22.44		
10	HQAM	1	25		22.48		
10	HQAM	1	49		22.41		22.2
10	HQAM	25	0		21.08		
10	HQAM	25	12		21.14		
10	HQAM	25	25		21.17		22.2
10	HQAM	50	0		21.14		
10	HQAM	1	0		21.29		
10	HQAM	1	25		21.34		22.2
10	HQAM	1	49		21.27		
10	HQAM	25	0		20.12		
10	HQAM	25	12		20.20		21.2
10	HQAM	25	25		20.20		
10	HQAM	50	0		20.18		
10	256QAM	1	0		18.80		19.2
10	256QAM	1	25		18.94		
10	256QAM	1	49		18.91		
10	256QAM	25	0		18.78		19.2
10	256QAM	25	12		18.73		
10	256QAM	25	25		18.75		
10	256QAM	50	0		18.77		Time-up (min)
Channel							
Frequency (MHz)							
5	QPSK	1	0	22.97	23.01	23.05	24.2
5	QPSK	1	12	23.14	23.14	23.12	
5	QPSK	1	24	23.13	23.13	23.06	
5	QPSK	12	0	22.10	22.12	22.16	23.2
5	QPSK	12	7	22.23	22.17	22.21	
5	QPSK	12	13	22.22	22.17	22.19	
5	QPSK	25	0	22.18	22.14	22.19	23.2
5	HQAM	1	0	22.32	22.34	22.35	
5	HQAM	1	12	22.42	22.40	22.38	
5	HQAM	1	24	22.44	22.40	22.36	22.2
5	HQAM	12	7	21.24	21.20	21.22	
5	HQAM	12	13	21.25	21.16	21.21	
5	HQAM	25	0	21.21	21.18	21.20	22.2
5	HQAM	1	0	21.28	21.32	21.34	
5	HQAM	1	12	21.32	21.36	21.33	
5	HQAM	1	24	21.38	21.38	21.31	22.2
5	HQAM	12	0	20.17	20.21	20.20	
5	HQAM	12	7	20.20	20.23	20.25	
5	HQAM	12	13	20.30	20.25	20.24	21.2
5	HQAM	25	0	20.26	20.17	20.40	
5	256QAM	1	0	18.75	18.76	18.77	
5	256QAM	1	12	18.87	18.90	18.85	19.2
5	256QAM	1	24	18.96	18.80	18.87	
5	256QAM	12	7	18.63	18.72	18.64	
5	256QAM	12	13	18.65	18.75	18.71	19.2
5	256QAM	25	0	18.75	18.72	18.70	

Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq	Power High Ch. 1 Freq	Power Low Ch. 2 Freq	Power High Ch. 2 Freq
Channel							
Frequency (MHz)							
10	QPSK	1	0	21.53			
10	QPSK	1	25	21.51			
10	QPSK	1	49	21.57			
10	QPSK	25	0	22.60			
10	QPSK	25	12	22.61			
10	QPSK	25	25	22.65			
10	QPSK	50	0	22.61			
10	WQAM	1	0	22.82			
10	WQAM	1	25	22.86			
10	WQAM	1	49	22.88			
10	WQAM	25	0	21.81			
10	WQAM	25	12	21.86			
10	WQAM	25	25	21.89			
10	WQAM	50	0	21.84			
10	WQAM	1	0	21.86			
10	WQAM	1	25	21.81			
10	WQAM	1	49	21.78			
10	WQAM	25	0	20.85			
10	WQAM	25	12	20.89			
10	WQAM	25	25	20.71			
10	WQAM	50	0	20.68			
10	256QAM	1	0	18.25			
10	256QAM	1	25	18.50			
10	256QAM	1	49	18.76			
10	256QAM	25	0	18.41			
10	256QAM	25	12	18.46			
10	256QAM	25	25	18.59			
10	256QAM	50	0	18.44			
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.45	23.48	23.22	
5	QPSK	1	49	23.50	23.54	23.34	
5	QPSK	1	24	23.55	23.56	23.31	
5	QPSK	12	0	22.58	22.59	22.32	
5	QPSK	12	1	22.52	22.53	22.43	
5	QPSK	12	13	22.85	22.87	22.38	
5	QPSK	25	0	22.85	22.83	22.37	
5	WQAM	1	0	22.84	22.78	22.50	
5	WQAM	1	12	22.75	22.82	22.48	
5	WQAM	1	24	22.84	22.80	22.51	
5	WQAM	12	0	21.82	21.84	21.38	
5	WQAM	12	7	21.88	21.84	21.43	
5	WQAM	12	13	21.88	21.71	21.42	
5	WQAM	25	0	21.70	21.63	21.41	
5	WQAM	1	0	21.73	21.68	21.42	
5	WQAM	1	49	21.68	21.81	21.43	
5	WQAM	1	24	21.77	21.81	21.48	
5	WQAM	12	0	20.86	20.70	20.43	
5	WQAM	12	7	20.72	20.87	20.45	
5	WQAM	12	13	20.71	20.75	20.45	
5	WQAM	25	0	20.73	20.86	20.42	
5	256QAM	1	0	18.16	18.24	18.25	
5	256QAM	1	12	18.43	18.45	18.47	
5	256QAM	1	24	18.65	18.67	18.66	
5	256QAM	12	0	18.37	18.55	18.38	
5	256QAM	12	7	18.48	18.36	18.40	
5	256QAM	12	13	18.58	18.55	18.54	
5	256QAM	25	0	18.37	18.34	18.41	

Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Main Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.66	23.66		25
10	QPSK	1	25	23.60	23.60		
10	QPSK	1	49	23.58	23.58		
10	QPSK	25	0	22.63	22.63		24
10	QPSK	25	12	22.65	22.65		
10	QPSK	25	25	22.74	22.74		
10	QPSK	50	0	22.57	22.57		24
10	16QAM	1	0	23.62	23.62		
10	16QAM	1	25	22.99	22.99		
10	16QAM	1	49	22.97	22.97		23
10	16QAM	25	0	21.82	21.82		
10	16QAM	25	12	21.86	21.86		
10	16QAM	25	25	21.73	21.73		23
10	16QAM	50	0	21.98	21.98		
10	16QAM	1	0	21.92	21.92		23
10	16QAM	1	25	21.95	21.95		
10	16QAM	1	49	21.99	21.99		
10	16QAM	25	0	20.87	20.87		22
10	16QAM	25	12	20.89	20.89		
10	16QAM	25	25	20.76	20.76		
10	256QAM	1	0	18.45	18.45		20
10	256QAM	1	25	18.58	18.58		
10	256QAM	1	49	18.74	18.74		
10	256QAM	25	0	18.50	18.50		20
10	256QAM	25	12	18.44	18.44		
10	256QAM	25	25	18.47	18.47		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.58	23.55	23.58	25
5	QPSK	1	12	23.63	23.60	23.64	
5	QPSK	1	24	23.65	23.64	23.56	
5	QPSK	12	0	22.71	22.65	22.84	24
5	QPSK	12	7	22.76	22.73	22.79	
5	QPSK	12	13	22.71	22.73	22.88	
5	QPSK	25	0	22.69	22.66	22.63	24
5	16QAM	1	0	22.91	22.92	22.87	
5	16QAM	1	12	23.09	23.02	22.98	
5	16QAM	1	24	22.96	23.00	22.99	23
5	16QAM	12	0	21.73	21.68	21.64	
5	16QAM	12	7	21.77	21.77	21.73	
5	16QAM	12	13	21.73	21.72	21.66	23
5	16QAM	25	0	21.71	21.68	21.64	
5	16QAM	1	0	21.87	21.89	21.85	
5	16QAM	1	12	21.93	22.00	21.94	23
5	16QAM	1	24	21.90	21.95	21.92	
5	16QAM	12	0	20.80	20.71	20.89	
5	16QAM	12	7	20.78	20.83	20.75	22
5	16QAM	12	13	20.75	20.76	20.89	
5	16QAM	25	0	20.72	20.67	20.89	
5	256QAM	1	0	18.36	18.37	18.42	20
5	256QAM	1	12	18.55	18.48	18.55	
5	256QAM	1	24	18.74	18.72	18.67	
5	256QAM	12	0	18.50	18.42	18.48	20
5	256QAM	12	7	18.38	18.34	18.35	
5	256QAM	12	13	18.47	18.46	18.39	
5	256QAM	25	0	18.40	18.47	18.44	

Band 17_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Main Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power Main Ch.2 Freq.	Power High Ch.2 Freq.
Channel				700	710	711			
10	QPSK	1	0	23.38	23.38	23.38			
10	QPSK	1	49	23.37	23.37	23.37			
10	QPSK	25	0	23.38	23.38	23.38			
10	QPSK	25	12	22.52	22.52	22.52			
10	QPSK	25	25	22.59	22.57	22.55			
10	QPSK	50	0	22.47	22.48	22.45			
10	WQAM	1	0	22.70	22.68	22.69			
10	WQAM	1	25	22.70	22.78	22.74			
10	WQAM	1	49	22.76	22.80	22.77			
10	WQAM	25	0	21.41	21.41	21.41			
10	WQAM	25	12	21.55	21.48	21.47			
10	WQAM	25	25	21.57	21.54	21.51			
10	WQAM	50	0	21.44	21.46	21.42			
10	WQAM	1	0	21.55	21.54	21.55			
10	WQAM	1	25	21.57	21.58	21.58			
10	WQAM	1	49	21.53	21.60	21.48			
10	WQAM	25	0	20.42	20.43	20.44			
10	WQAM	25	12	20.59	20.51	20.51			
10	WQAM	25	25	20.59	20.58	20.58			
10	WQAM	50	0	20.49	20.47	20.46			
10	256QAM	1	0	18.34	18.39	18.22			
10	256QAM	1	25	18.43	18.45	18.47			
10	256QAM	1	49	18.54	18.47	18.38			
10	256QAM	25	0	18.31	18.27	18.30			
10	256QAM	25	12	18.30	18.40	18.34			
10	256QAM	25	25	18.40	18.37	18.39			
10	256QAM	50	0	18.27	18.40	18.31			
Channel				700.5	710	713.5			
5	QPSK	1	0	23.33	23.28	23.27			
5	QPSK	1	49	23.43	23.42	23.30			
5	QPSK	1	24	23.43	23.44	23.40			
5	QPSK	12	0	22.44	22.48	22.41			
5	QPSK	12	13	22.51	22.48	22.43			
5	QPSK	12	13	22.53	22.52	22.45			
5	QPSK	25	0	22.49	22.47	22.42			
5	WQAM	1	0	22.65	22.67	22.66			
5	WQAM	1	12	22.74	22.78	22.70			
5	WQAM	1	24	22.78	22.79	22.75			
5	WQAM	12	0	21.48	21.47	21.48			
5	WQAM	12	7	21.53	21.52	21.45			
5	WQAM	12	13	21.54	21.52	21.47			
5	WQAM	25	0	21.51	21.48	21.44			
5	WQAM	1	0	21.57	21.66	21.63			
5	WQAM	1	49	21.66	21.70	21.64			
5	WQAM	1	24	21.79	21.76	21.67			
5	WQAM	12	0	20.50	20.49	20.47			
5	WQAM	12	7	20.57	20.55	20.51			
5	WQAM	12	13	20.57	20.58	20.52			
5	WQAM	25	0	20.51	20.49	20.41			
5	256QAM	1	0	18.25	18.31	18.16			
5	256QAM	1	12	18.40	18.45	18.42			
5	256QAM	1	24	18.52	18.39	18.37			
5	256QAM	12	0	18.26	18.25	18.25			
5	256QAM	12	7	18.26	18.33	18.30			
5	256QAM	12	13	18.36	18.37	18.37			
5	256QAM	25	0	18.30	18.30	18.31			

Band 30_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.87	23.87		25.7
10	QPSK	1	25	23.88	23.88		
10	QPSK	1	49	23.85	23.85		
10	QPSK	25	0	22.90	22.90		24.7
10	QPSK	25	12	22.94	22.94		
10	QPSK	25	25	22.96	22.96		
10	HQAM	1	0	23.21	23.21		24.7
10	HQAM	1	25	23.25	23.25		
10	HQAM	1	49	23.23	23.23		
10	HQAM	25	0	21.88	21.88		23.7
10	HQAM	25	12	21.97	21.97		
10	HQAM	25	25	21.94	21.94		
10	HQAM	50	0	21.93	21.93		23.7
10	HQAM	1	0	22.96	22.96		
10	HQAM	1	25	22.17	22.17		
10	HQAM	1	49	22.02	22.02		22.7
10	HQAM	25	0	20.92	20.92		
10	HQAM	25	12	21.82	21.82		
10	HQAM	25	25	20.95	20.95		20.7
10	HQAM	50	0	20.88	20.88		
10	256QAM	1	0	19.20	19.20		
10	256QAM	1	25	19.23	19.23		20.7
10	256QAM	1	49	19.13	19.13		
10	256QAM	25	0	18.96	18.96		
10	256QAM	25	12	19.06	19.06		20.7
10	256QAM	25	25	19.03	19.03		
10	256QAM	50	0	19.03	19.03		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.75	23.75	23.88	25.7
5	QPSK	1	25	23.82	23.82	23.85	
5	QPSK	1	49	23.85	23.87	23.79	
5	QPSK	12	0	22.87	22.89	22.94	24.7
5	QPSK	12	1	22.09	22.14	22.08	
5	QPSK	12	13	22.89	22.83	22.98	
5	QPSK	25	0	22.97	22.94	22.96	24.7
5	HQAM	1	0	23.07	23.10	23.17	
5	HQAM	1	12	23.18	23.17	23.19	
5	HQAM	1	24	23.24	23.18	23.29	23.7
5	HQAM	12	0	21.88	21.93	21.95	
5	HQAM	12	7	22.01	21.98	22.00	
5	HQAM	12	13	22.01	21.96	21.96	23.7
5	HQAM	25	0	21.98	21.94	21.94	
5	HQAM	1	0	22.03	22.08	21.87	
5	HQAM	1	49	22.10	22.14	21.87	23.7
5	HQAM	1	24	22.16	22.10	21.83	
5	HQAM	12	0	20.94	20.96	20.93	
5	HQAM	12	7	21.05	21.02	20.96	22.7
5	HQAM	12	13	21.05	20.96	20.95	
5	HQAM	25	0	21.01	21.00	20.81	
5	256QAM	1	0	19.11	19.10	19.16	20.7
5	256QAM	1	12	19.21	19.19	19.22	
5	256QAM	1	24	19.06	19.05	19.05	
5	256QAM	12	7	18.99	19.08	18.98	20.7
5	256QAM	12	13	19.03	19.03	19.00	
5	256QAM	25	0	19.03	19.06	19.01	

Band 13_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.98			25.2
10	QPSK	1	25	24.02			
10	QPSK	1	49	24.10			
10	QPSK	25	0	23.16			24.2
10	QPSK	25	12	23.17			
10	QPSK	25	25	23.19			
10	QPSK	50	0	23.18			24.2
10	16QAM	1	0	23.38			
10	16QAM	1	25	23.37			
10	16QAM	1	49	23.40			23.2
10	16QAM	25	0	22.17			
10	16QAM	25	12	22.20			
10	16QAM	25	25	22.22			23.2
10	16QAM	50	0	22.19			
10	16QAM	1	0	22.21			
10	16QAM	1	25	22.32			22.2
10	16QAM	1	49	22.34			
10	16QAM	25	0	21.17			
10	16QAM	25	12	21.24			20.2
10	16QAM	25	25	21.23			
10	16QAM	50	0	21.23			
10	256QAM	1	0	18.81			20.2
10	256QAM	1	25	18.97			
10	256QAM	1	49	18.91			
10	256QAM	25	0	18.78			20.2
10	256QAM	25	12	18.86			
10	256QAM	25	25	18.89			
10	256QAM	50	0	18.84			
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.93	23.98	23.74	25.2
5	QPSK	1	49	24.04	24.07	23.77	
5	QPSK	1	24	24.07	24.08	23.83	
5	QPSK	12	0	23.19	23.13	22.85	24.2
5	QPSK	12	1	23.18	23.15	22.83	
5	QPSK	12	13	23.19	23.21	22.89	
5	QPSK	25	0	23.18	23.14	22.90	24.2
5	16QAM	1	0	23.31	23.29	23.01	
5	16QAM	1	12	23.29	23.33	23.04	
5	16QAM	1	24	23.37	23.38	23.04	23.2
5	16QAM	12	0	22.20	22.17	21.92	
5	16QAM	12	7	22.20	22.17	21.95	
5	16QAM	12	13	22.21	22.22	21.94	23.2
5	16QAM	25	0	22.23	22.18	21.92	
5	16QAM	1	0	22.19	22.28	21.94	
5	16QAM	1	49	22.25	22.26	22.01	23.2
5	16QAM	1	24	22.29	22.32	22.02	
5	16QAM	12	0	21.22	21.23	20.98	
5	16QAM	12	7	21.26	21.21	20.98	22.2
5	16QAM	12	13	21.25	21.26	20.95	
5	16QAM	25	0	21.06	21.17	20.98	
5	256QAM	1	0	18.95	18.97	18.98	20.2
5	256QAM	1	12	18.93	18.96	18.94	
5	256QAM	1	24	18.96	18.96	18.96	
5	256QAM	12	7	18.83	18.78	18.79	20.2
5	256QAM	12	13	18.82	18.84	18.79	
5	256QAM	25	0	18.77	18.77	18.74	

Band 14_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power High Ch. 1 Freq.	Power Low Ch. 2 Freq.	Power High Ch. 2 Freq.
Channel							
Frequency (MHz)							
10	QPSK	1	0	24.59			
10	QPSK	1	25	24.53			
10	QPSK	1	49	24.48			
10	QPSK	25	0	23.55			
10	QPSK	25	12	23.57			
10	QPSK	25	25	23.63			
10	QPSK	50	0	23.55			
10	16QAM	1	0	23.95			
10	16QAM	1	25	23.91			
10	16QAM	1	49	23.86			
10	16QAM	25	0	22.54			
10	16QAM	25	12	22.57			
10	16QAM	25	25	22.64			
10	16QAM	50	0	22.55			
10	16QAM	1	0	22.76			
10	16QAM	1	25	22.84			
10	16QAM	1	49	22.79			
10	16QAM	25	0	21.58			
10	16QAM	25	12	21.61			
10	16QAM	25	25	21.63			
10	16QAM	50	0	21.59			
10	256QAM	1	0	19.53			
10	256QAM	1	25	19.57			
10	256QAM	1	49	19.55			
10	256QAM	25	0	19.29			
10	256QAM	25	12	19.34			
10	256QAM	25	25	19.33			
10	256QAM	50	0	19.25			
Channel							
Frequency (MHz)							
5	QPSK	1	0	24.48	24.48	24.45	
5	QPSK	1	12	24.56	24.53	24.55	
5	QPSK	1	24	24.55	24.55	24.48	
5	QPSK	12	0	23.62	23.54	23.51	
5	QPSK	12	1	23.68	23.68	23.60	
5	QPSK	12	13	23.61	23.60	23.58	
5	QPSK	25	0	23.59	23.54	23.52	
5	16QAM	1	0	23.82	23.82	23.78	
5	16QAM	1	12	23.90	23.92	23.86	
5	16QAM	1	24	23.88	23.88	23.79	
5	16QAM	12	0	22.84	22.81	22.83	
5	16QAM	12	7	22.88	22.89	22.89	
5	16QAM	12	13	22.80	22.82	22.84	
5	16QAM	25	0	22.82	22.58	22.58	
5	16QAM	1	0	22.81	22.77	22.77	
5	16QAM	1	12	22.83	22.82	22.84	
5	16QAM	1	24	22.82	22.82	22.80	
5	16QAM	12	0	21.71	21.60	21.58	
5	16QAM	12	7	21.69	21.70	21.68	
5	16QAM	12	13	21.63	21.66	21.61	
5	16QAM	25	0	21.60	21.61	21.54	
5	256QAM	1	0	19.47	19.48	19.53	
5	256QAM	1	12	19.31	19.33	19.28	
5	256QAM	1	24	19.46	19.42	19.42	
5	256QAM	12	0	19.19	19.27	19.27	
5	256QAM	12	7	19.28	19.28	19.34	
5	256QAM	12	13	19.33	19.30	19.33	
5	256QAM	25	0	19.21	19.18	19.15	

Band 17_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Main Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power Main Ch.2 Freq.	Power High Ch.2 Freq.
Channel				700	710	711			
Frequency (MHz)				700	710	711			
10	QPSK	1	0	24.58	24.58	24.53			
10	QPSK	1	25	24.58	24.64	24.64			
10	QPSK	1	49	24.62	24.65	24.62			
10	QPSK	25	0	23.84	23.85	23.85			
10	QPSK	25	12	23.78	23.73	23.71			
10	QPSK	25	25	23.80	23.79	23.80			
10	QPSK	50	0	23.09	23.12	23.09			
10	HQAM	1	0	23.90	23.92	23.91			
10	HQAM	1	25	24.01	24.01	24.00			
10	HQAM	1	49	24.01	24.02	24.02			
10	HQAM	25	0	22.62	22.64	22.64			
10	HQAM	25	12	22.78	22.71	22.71			
10	HQAM	25	25	22.77	22.81	22.76			
10	HQAM	50	0	22.89	22.76	22.87			
10	HQAM	1	0	22.86	22.76	22.74			
10	HQAM	1	25	22.92	22.97	22.90			
10	HQAM	1	49	22.92	22.98	22.93			
10	HQAM	25	0	21.87	21.87	21.87			
10	HQAM	25	12	21.84	21.78	21.78			
10	HQAM	25	25	21.80	21.82	21.82			
10	HQAM	50	0	21.70	21.71	21.71			
10	256QAM	1	0	19.44	19.37	19.33			
10	256QAM	1	25	19.50	19.48	19.51			
10	256QAM	1	49	19.58	19.60	19.68			
10	256QAM	25	0	19.46	19.44	19.46			
10	256QAM	25	12	19.56	19.52	19.43			
10	256QAM	25	25	19.58	19.54	19.52			
10	256QAM	50	0	19.45	19.48	19.45			
Channel				711.5	721.5	721.5			
Frequency (MHz)				708.5	710	713.5			
5	QPSK	1	0	24.57	24.58	24.55			
5	QPSK	1	12	24.60	24.61	24.63			
5	QPSK	1	24	24.64	24.61	24.64			
5	QPSK	12	0	23.87	23.89	23.88			
5	QPSK	12	7	23.78	23.74	23.69			
5	QPSK	12	13	23.77	23.76	23.73			
5	QPSK	25	0	23.75	23.75	23.65			
5	HQAM	1	0	23.91	23.93	23.91			
5	HQAM	1	12	23.97	24.03	23.98			
5	HQAM	1	24	24.08	24.04	24.01			
5	HQAM	12	7	22.76	22.74	22.73			
5	HQAM	12	13	22.78	22.77	22.74			
5	HQAM	25	0	22.74	22.75	22.69			
5	HQAM	1	0	22.89	22.87	22.88			
5	HQAM	1	12	22.90	22.96	22.90			
5	HQAM	1	24	22.94	23.00	22.93			
5	HQAM	12	0	21.73	21.77	21.78			
5	HQAM	12	7	21.81	21.79	21.73			
5	HQAM	12	13	21.79	21.85	21.75			
5	HQAM	25	0	21.78	21.74	21.70			
5	256QAM	1	0	19.41	19.26	19.24			
5	256QAM	1	12	19.49	19.46	19.44			
5	256QAM	1	24	19.44	19.50	19.50			
5	256QAM	12	0	19.39	19.34	19.41			
5	256QAM	12	7	19.58	19.47	19.40			
5	256QAM	12	13	19.53	19.54	19.52			
5	256QAM	25	0	19.37	19.41	19.45			

Band 30_Ant 2						
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Time-up (ms)
Channel						
Frequency (MHz)						
10	QPSK	1	0	23.15		24.2
10	QPSK	1	25	23.09		
10	QPSK	1	49	23.02		
10	QPSK	25	0	22.08		23.2
10	QPSK	25	12	22.16		
10	QPSK	25	25	22.18		
10	QPSK	50	0	22.14		23.2
10	WQAM	1	0	22.44		
10	WQAM	1	25	22.48		
10	WQAM	1	49	22.41		22.2
10	WQAM	25	0	21.08		
10	WQAM	25	12	21.14		
10	WQAM	25	25	21.17		22.2
10	WQAM	50	0	21.14		
10	WQAM	1	0	21.29		
10	WQAM	1	25	21.38		21.2
10	WQAM	1	49	21.27		
10	WQAM	25	0	20.12		
10	WQAM	25	12	20.20		21.2
10	WQAM	25	25	20.20		
10	WQAM	50	0	20.18		
10	256QAM	1	0	18.80		19.2
10	256QAM	1	25	18.94		
10	256QAM	1	49	18.91		
10	256QAM	25	0	18.78		19.2
10	256QAM	25	12	18.75		
10	256QAM	25	25	18.75		
10	256QAM	50	0	18.77		Time-up (ms)
Channel						
Frequency (MHz)						
5	QPSK	1	0	22.97	23.01	24.2
5	QPSK	1	12	23.14	23.14	
5	QPSK	1	24	23.13	23.06	
5	QPSK	12	0	22.10	22.12	23.2
5	QPSK	12	7	22.23	22.17	
5	QPSK	12	13	22.22	22.17	
5	QPSK	25	0	22.18	22.14	23.2
5	WQAM	1	0	22.32	22.34	
5	WQAM	1	12	22.42	22.40	
5	WQAM	1	24	22.44	22.40	22.2
5	WQAM	12	0	21.15	21.14	
5	WQAM	12	7	21.24	21.20	
5	WQAM	12	13	21.25	21.16	22.2
5	WQAM	25	0	21.21	21.18	
5	WQAM	1	0	21.28	21.32	
5	WQAM	1	12	21.32	21.33	22.2
5	WQAM	1	24	21.38	21.31	
5	WQAM	12	0	20.17	20.20	
5	WQAM	12	7	20.20	20.23	21.2
5	WQAM	12	13	20.30	20.25	
5	WQAM	25	0	20.26	20.17	
5	256QAM	1	0	18.75	18.76	19.2
5	256QAM	1	12	18.87	18.90	
5	256QAM	1	24	18.96	18.87	
5	256QAM	12	7	18.83	18.72	19.2
5	256QAM	12	13	18.85	18.75	
5	256QAM	25	0	18.75	18.70	

Band 71_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.65	24.57	24.52	24.52	25.7	
20	QPSK	1	49	24.58	24.53	24.51	24.51		
20	QPSK	1	99	24.51	24.53	24.50	24.50		
20	QPSK	80	0	23.66	23.66	23.58	23.58	24.7	
20	QPSK	50	24	23.71	23.61	23.61	23.61		
20	QPSK	50	50	23.70	23.64	23.63	23.63		
20	QPSK	100	0	23.70	23.60	23.58	23.58		
20	HQDM	1	0	24.62	23.92	23.82	23.82	24.7	
20	HQDM	1	49	23.92	23.89	23.85	23.85		
20	HQDM	99	99	23.89	23.86	23.85	23.85		
20	HQDM	50	0	22.70	22.68	22.57	22.57	23.7	
20	HQDM	50	24	22.75	22.65	22.61	22.61		
20	HQDM	50	50	22.70	22.68	22.64	22.64		
20	HQDM	100	0	22.70	22.62	22.59	22.59		
20	HQDM	1	0	22.84	22.75	22.74	22.74	23.7	
20	HQDM	1	49	22.81	22.58	22.71	22.71		
20	HQDM	1	99	22.78	22.77	22.76	22.76		
20	HQDM	80	0	21.58	21.67	21.61	21.61	22.7	
20	HQDM	50	24	21.73	21.65	21.65	21.65		
20	HQDM	50	50	21.71	21.66	21.65	21.65		
20	HQDM	100	0	21.74	21.62	21.62	21.62		
20	SSBQAM	1	0	19.58	19.50	19.37	19.37	20.7	
20	SSBQAM	1	49	19.41	19.36	19.36	19.36		
20	SSBQAM	99	99	19.45	19.35	19.35	19.35		
20	SSBQAM	50	0	19.41	19.47	19.44	19.44		
20	SSBQAM	50	24	19.38	19.44	19.38	19.38		
20	SSBQAM	50	50	19.40	19.38	19.39	19.39		
20	SSBQAM	100	0	19.43	19.43	19.32	19.32	20.7	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.64	24.57	24.53	24.53	25.7	
15	QPSK	1	49	24.50	24.53	24.52	24.52		
15	QPSK	1	74	24.53	24.58	24.53	24.53		
15	QPSK	30	0	23.68	23.64	23.60	23.60	24.7	
15	QPSK	30	20	23.71	23.68	23.69	23.69		
15	QPSK	30	39	23.84	23.83	23.81	23.81		
15	QPSK	75	0	23.72	23.69	23.66	23.66		
15	HQDM	1	0	24.61	23.93	23.84	23.84	24.7	
15	HQDM	1	39	23.84	23.90	23.88	23.88		
15	HQDM	1	74	23.82	23.82	23.84	23.84		
15	HQDM	30	0	22.68	22.64	22.62	22.62	23.7	
15	HQDM	30	20	22.71	22.69	22.68	22.68		
15	HQDM	30	39	22.84	22.82	22.83	22.83		
15	HQDM	75	0	22.73	22.69	22.67	22.67		
15	HQDM	1	0	22.47	22.79	22.75	22.75	23.7	
15	HQDM	1	39	22.63	22.78	22.78	22.78		
15	HQDM	1	74	22.75	22.83	22.77	22.77		
15	HQDM	30	0	21.48	21.69	21.63	21.63	22.7	
15	HQDM	30	20	21.52	21.71	21.71	21.71		
15	HQDM	30	39	21.86	21.85	21.86	21.86		
15	HQDM	75	0	21.70	21.70	21.68	21.68		
15	SSBQAM	1	0	19.49	19.52	19.27	19.27	20.7	
15	SSBQAM	1	39	19.33	19.28	19.32	19.32		
15	SSBQAM	30	0	19.35	19.41	19.37	19.37		
15	SSBQAM	30	20	19.32	19.43	19.39	19.39		
15	SSBQAM	30	39	19.36	19.36	19.35	19.35		
15	SSBQAM	75	0	19.38	19.38	19.31	19.31	20.7	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.62	24.57	24.49	24.49	25.7	
10	QPSK	1	25	24.59	24.45	24.50	24.50		
10	QPSK	1	49	24.52	24.51	24.45	24.45		
10	QPSK	25	0	23.72	23.58	23.53	23.53	24.7	
10	QPSK	25	12	23.71	23.58	23.59	23.59		
10	QPSK	25	25	23.66	23.62	23.61	23.61		
10	QPSK	50	0	23.71	23.65	23.56	23.56		
10	HQDM	1	0	24.66	23.61	23.64	23.64	24.7	
10	HQDM	25	25	23.93	23.86	23.89	23.89		
10	HQDM	1	49	23.88	23.90	23.83	23.83		
10	HQDM	25	0	22.72	22.56	22.54	22.54	23.7	
10	HQDM	25	12	22.71	22.57	22.54	22.54		
10	HQDM	25	25	22.64	22.60	22.61	22.61		
10	HQDM	50	0	22.71	22.63	22.54	22.54		
10	HQDM	1	0	22.54	22.78	22.73	22.73	23.7	
10	HQDM	1	25	22.58	22.79	22.80	22.80		
10	HQDM	1	49	22.66	22.81	22.71	22.71		
10	HQDM	25	0	21.32	21.59	21.65	21.65	22.7	
10	HQDM	25	12	21.33	21.60	21.62	21.62		
10	HQDM	25	25	21.28	21.65	21.64	21.64		
10	HQDM	50	0	21.41	21.86	21.57	21.57		
10	SSBQAM	1	0	19.55	19.57	19.36	19.36	20.7	
10	SSBQAM	1	25	19.38	19.28	19.34	19.34		
10	SSBQAM	1	49	19.37	19.45	19.55	19.55		
10	SSBQAM	25	0	19.34	19.42	19.37	19.37		
10	SSBQAM	25	12	19.32	19.35	19.32	19.32		
10	SSBQAM	25	25	19.40	19.28	19.28	19.28		
10	SSBQAM	50	0	19.38	19.33	19.22	19.22	20.7	
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.63	24.57	24.58	24.58	25.7	
5	QPSK	1	12	24.61	24.54	24.56	24.56		
5	QPSK	1	24	24.56	24.54	24.47	24.47		
5	QPSK	10	0	23.78	23.53	23.64	23.64	24.7	
5	QPSK	12	7	23.73	23.64	23.70	23.70		
5	QPSK	12	13	23.66	23.60	23.61	23.61		
5	QPSK	24	0	23.70	23.64	23.59	23.59		
5	HQDM	1	0	24.02	23.92	23.89	23.89	24.7	
5	HQDM	1	12	23.95	23.90	23.86	23.86		
5	HQDM	1	24	23.89	23.88	23.83	23.83		
5	HQDM	12	0	22.82	22.66	22.68	22.68	23.7	
5	HQDM	12	13	22.76	22.66	22.70	22.70		
5	HQDM	12	13	22.89	22.61	22.61	22.61		
5	HQDM	25	0	22.73	22.65	22.62	22.62		
5	HQDM	1	0	22.23	22.90	22.79	22.79	23.7	
5	HQDM	1	12	22.48	22.85	22.81	22.81		
5	HQDM	1	24	22.47	22.83	22.78	22.78		
5	HQDM	12	0	21.34	21.70	21.71	21.71	22.7	
5	HQDM	12	7	21.49	21.70	21.73	21.73		
5	HQDM	12	13	21.58	21.64	21.60	21.60		
5	HQDM	25	0	21.31	21.67	21.65	21.65		
5	SSBQAM	1	0	19.56	19.52	19.31	19.31	20.7	
5	SSBQAM	1	12	19.37	19.28	19.36	19.36		
5	SSBQAM	1	24	19.38	19.47	19.35	19.35		
5	SSBQAM	12	0	19.35	19.45	19.34	19.34		
5	SSBQAM	12	7	19.37	19.38	19.32	19.32		
5	SSBQAM	12	13	19.36	19.36	19.20	19.20		
5	SSBQAM	25	0	19.37	19.35	19.31	19.31	20.7	



Band 5_Ant 1								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (MHz)	Power Main Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.47	23.57	23.64	25	
10	QPSK	1	25	23.51	23.58	23.63		
10	QPSK	1	49	23.58	23.63	23.65		
10	QPSK	8	0	22.63	22.66	22.63	24	
10	QPSK	25	12	22.72	22.67	22.62		
10	QPSK	25	25	22.68	22.70	22.64		
10	QPSK	50	0	22.72	22.66	22.68	24	
10	WQAM	1	0	22.91	22.92	22.97		
10	WQAM	1	25	22.92	22.98	22.92		
10	WQAM	1	49	22.96	22.93	22.93	23	
10	WQAM	25	0	21.59	21.71	21.62		
10	WQAM	25	12	21.71	21.67	21.62		
10	WQAM	25	25	21.66	21.71	21.62	23	
10	WQAM	50	0	21.70	21.64	21.62		
10	WQAM	1	0	21.74	21.71	21.61		
10	WQAM	1	25	21.58	21.50	21.72	22	
10	WQAM	1	49	21.67	21.63	21.17		
10	WQAM	25	0	20.66	20.69	20.66		
10	WQAM	25	12	20.77	20.72	20.67	20	
10	WQAM	25	25	20.71	20.74	20.65		
10	WQAM	50	0	20.73	20.69	20.69		
10	SSBQAM	1	0	18.46	18.51	18.58	20	
10	SSBQAM	1	25	18.53	18.50	18.51		
10	SSBQAM	1	49	18.50	18.53	18.54		
10	SSBQAM	25	0	18.47	18.48	18.45	20	
10	SSBQAM	25	12	18.48	18.42	18.39		
10	SSBQAM	25	25	18.38	18.48	18.48		
10	SSBQAM	50	0	18.51	18.49	18.44	20	
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.61	23.62	23.60	25	
5	QPSK	1	12	23.60	23.63	23.62		
5	QPSK	1	24	23.57	23.59	23.53		
5	QPSK	12	0	22.63	22.73	22.65	24	
5	QPSK	12	12	22.70	22.74	22.68		
5	QPSK	12	13	22.65	22.67	22.67		
5	QPSK	25	0	22.68	22.72	22.68	24	
5	WQAM	1	0	22.94	23.01	22.93		
5	WQAM	1	12	22.92	22.99	22.84		
5	WQAM	1	24	22.94	22.96	22.89	23	
5	WQAM	12	7	21.71	21.77	21.61		
5	WQAM	12	13	21.66	21.69	21.54		
5	WQAM	25	0	21.72	21.74	21.60	22	
5	WQAM	1	0	21.68	21.95	21.86		
5	WQAM	1	12	21.63	21.90	21.78		
5	WQAM	1	24	21.88	21.91	21.08	23	
5	WQAM	12	0	20.74	20.80	20.55		
5	WQAM	12	7	20.78	20.81	20.29		
5	WQAM	12	13	20.71	20.75	20.28	22	
5	WQAM	25	0	20.73	20.76	20.33		
5	SSBQAM	1	0	18.38	18.38	18.38		
5	SSBQAM	1	12	18.50	18.40	18.53	20	
5	SSBQAM	1	24	18.46	18.45	18.46		
5	SSBQAM	12	0	18.40	18.44	18.40		
5	SSBQAM	12	7	18.44	18.37	18.38	20	
5	SSBQAM	12	13	18.35	18.36	18.46		
5	SSBQAM	25	0	18.43	18.45	18.38		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.39	23.47	23.51	25	
3	QPSK	1	8	23.49	23.53	23.48		
3	QPSK	1	16	23.51	23.51	23.43		
3	QPSK	8	0	22.65	22.68	22.58	24	
3	QPSK	8	4	22.68	22.58	22.54		
3	QPSK	8	7	22.63	22.65	22.58		
3	QPSK	16	0	22.62	22.60	22.50	24	
3	WQAM	1	0	22.91	22.92	22.90		
3	WQAM	8	0	22.87	22.97	22.86		
3	WQAM	1	16	22.94	22.90	22.73	23	
3	WQAM	8	4	21.56	21.59	21.57		
3	WQAM	8	7	21.64	21.62	21.63		
3	WQAM	8	7	21.61	21.66	21.57	23	
3	WQAM	16	0	21.60	21.64	21.52		
3	WQAM	1	0	21.65	21.67	21.74		
3	WQAM	1	8	21.78	21.83	21.69	22	
3	WQAM	1	16	21.81	21.79	21.16		
3	WQAM	8	0	20.81	20.80	20.81		
3	WQAM	8	4	20.76	20.72	20.69	20	
3	WQAM	8	7	20.63	20.72	20.41		
3	WQAM	16	0	20.65	20.59	20.59		
3	SSBQAM	1	0	18.46	18.47	18.51	20	
3	SSBQAM	1	8	18.43	18.47	18.51		
3	SSBQAM	1	16	18.45	18.43	18.45		
3	SSBQAM	8	0	18.36	18.44	18.36	20	
3	SSBQAM	8	4	18.46	18.37	18.36		
3	SSBQAM	8	7	18.34	18.42	18.43		
3	SSBQAM	16	0	18.46	18.44	18.35	20	
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.45	23.52	23.43	25	
1.4	QPSK	1	3	23.54	23.58	23.48		
1.4	QPSK	1	5	23.47	23.51	23.39		
1.4	QPSK	1	6	23.53	23.52	23.47	24	
1.4	QPSK	3	1	23.57	23.62	23.50		
1.4	QPSK	3	2	23.53	23.57	23.48		
1.4	QPSK	6	0	22.68	22.64	22.51	24	
1.4	WQAM	1	0	22.79	22.84	22.78		
1.4	WQAM	1	3	22.69	22.84	22.77		
1.4	WQAM	1	5	22.82	22.88	22.72	24	
1.4	WQAM	3	0	22.63	22.84	22.54		
1.4	WQAM	3	1	22.66	22.72	22.60		
1.4	WQAM	3	1	22.61	22.63	22.49	23	
1.4	WQAM	6	0	21.84	21.81	21.44		
1.4	WQAM	1	0	21.74	21.75	21.39		
1.4	WQAM	1	3	21.84	21.81	21.44	23	
1.4	WQAM	1	6	21.78	21.82	21.32		
1.4	WQAM	3	0	21.78	21.74	21.32		
1.4	WQAM	3	1	21.78	21.84	21.44	22	
1.4	WQAM	6	0	20.80	20.65	20.36		
1.4	SSBQAM	1	0	18.46	18.60	18.51		
1.4	SSBQAM	1	3	18.46	18.47	18.51	20	
1.4	SSBQAM	1	6	18.42	18.53	18.54		
1.4	SSBQAM	3	0	18.45	18.47	18.41		
1.4	SSBQAM	3	1	18.39	18.32	18.38	20	
1.4	SSBQAM	3	1	18.34	18.39	18.41		
1.4	SSBQAM	6	0	18.51	18.40	18.42		

Band 7_Ant 0								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mean Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (min)	
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.97	23.94	23.99	25.5	
20	QPSK	1	49	23.93	23.99	23.94		
20	QPSK	1	99	23.99	24.08	24.02		
20	QPSK	80	0	23.97	23.92	23.92	24.5	
20	QPSK	50	24	23.10	23.09	23.08		
20	QPSK	50	50	23.11	23.16	23.13		
20	QPSK	100	0	23.07	23.07	23.05	24.5	
20	HQAM	1	0	23.27	23.30	23.29		
20	HQAM	1	49	23.29	23.38	23.36		
20	HQAM	1	99	23.33	23.40	23.34	23.5	
20	HQAM	50	0	21.09	22.04	22.02		
20	HQAM	50	24	22.16	22.16	22.06		
20	HQAM	50	50	22.13	22.17	22.14	23.5	
20	HQAM	100	0	22.08	22.07	22.03		
20	HQAM	1	0	22.06	22.11	22.10	23.5	
20	HQAM	1	49	22.10	22.26	22.21		
20	HQAM	1	99	22.24	22.32	22.27		
20	HQAM	50	0	21.08	21.08	21.05	22.5	
20	HQAM	50	24	21.12	21.11	21.08		
20	HQAM	50	50	21.15	21.21	21.15		
20	HQAM	100	0	21.12	21.05	21.07	20.5	
20	SSBQAM	1	0	19.20	19.16	19.07		
20	SSBQAM	1	49	19.28	19.16	19.22		
20	SSBQAM	1	99	19.12	19.17	19.11	20.5	
20	SSBQAM	50	0	19.12	19.12	19.07		
20	SSBQAM	50	24	19.22	19.14	19.10		
20	SSBQAM	50	50	19.17	19.16	19.13	20.5	
20	SSBQAM	100	0	19.23	19.11	19.05		
Channel								
Frequency (MHz)								
18	QPSK	1	0	23.83	23.84	23.85	25.5	
18	QPSK	1	49	23.86	23.90	23.85		
18	QPSK	1	74	23.97	24.04	23.94		
18	QPSK	30	0	22.95	22.98	22.90	24.5	
18	QPSK	30	20	23.08	23.04	23.04		
18	QPSK	30	39	23.08	23.13	23.09		
18	QPSK	75	0	23.02	23.01	23.01	24.5	
18	HQAM	1	0	23.23	23.30	23.29		
18	HQAM	1	37	23.24	23.36	23.30		
18	HQAM	1	74	23.31	23.34	23.24	23.5	
18	HQAM	30	0	21.88	22.04	22.01		
18	HQAM	30	20	22.10	22.02	21.97		
18	HQAM	30	39	22.10	22.06	22.14	23.5	
18	HQAM	75	0	21.98	22.05	21.94		
18	HQAM	1	0	22.07	22.08	22.06		
18	HQAM	1	49	22.08	22.25	22.19	23.5	
18	HQAM	1	74	22.14	22.25	22.17		
18	HQAM	30	0	20.95	20.98	21.02		
18	HQAM	30	20	21.03	21.02	21.06	22.5	
18	HQAM	30	39	21.12	21.21	21.06		
18	HQAM	75	0	21.06	21.05	21.00		
18	SSBQAM	1	0	19.17	19.25	19.13	20.5	
18	SSBQAM	1	37	19.16	19.12	19.10		
18	SSBQAM	1	74	19.24	19.12	19.02		
18	SSBQAM	30	0	19.04	19.12	19.04	20.5	
18	SSBQAM	30	20	19.14	19.05	19.05		
18	SSBQAM	30	39	19.15	19.14	19.08		
18	SSBQAM	75	0	19.23	19.04	19.07	20.5	
Channel								
Frequency (MHz)								
16	QPSK	1	0	23.89	23.92	23.99	25.5	
16	QPSK	1	25	23.93	23.90	23.84		
16	QPSK	1	49	23.96	24.01	23.96		
16	QPSK	25	0	22.91	22.96	22.97	24.5	
16	QPSK	25	12	23.07	23.06	23.00		
16	QPSK	25	26	23.03	23.09	23.03		
16	QPSK	50	0	22.99	23.06	23.01	24.5	
16	HQAM	1	0	23.17	23.24	23.26		
16	HQAM	25	25	23.27	23.34	23.35		
16	HQAM	1	49	23.31	23.39	23.31	24.5	
16	HQAM	25	0	21.92	22.00	21.95		
16	HQAM	25	12	22.07	22.08	22.06		
16	HQAM	25	26	22.08	22.10	22.07	23.5	
16	HQAM	50	0	22.02	22.04	22.00		
16	HQAM	1	0	22.00	22.13	22.10		
16	HQAM	1	25	22.06	22.16	22.18	23.5	
16	HQAM	1	49	22.14	22.31	22.25		
16	HQAM	25	0	20.91	21.02	20.96		
16	HQAM	25	12	21.04	21.04	21.02	22.5	
16	HQAM	25	26	21.08	21.14	21.09		
16	HQAM	50	0	21.10	21.05	21.02		
16	SSBQAM	1	0	19.15	19.19	19.09	20.5	
16	SSBQAM	1	25	19.20	19.07	19.02		
16	SSBQAM	1	49	19.10	19.09	19.03		
16	SSBQAM	25	0	19.03	19.05	19.06	20.5	
16	SSBQAM	25	12	19.21	19.07	19.09		
16	SSBQAM	25	26	19.16	19.08	19.08		
16	SSBQAM	50	0	19.18	19.04	19.09	20.5	
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.84	23.83	23.86	25.5	
5	QPSK	1	12	23.93	23.93	23.88		
5	QPSK	1	24	23.89	24.02	23.95		
5	QPSK	12	0	22.96	23.03	22.99	24.5	
5	QPSK	12	7	23.09	23.02	22.96		
5	QPSK	12	13	23.11	23.14	23.13		
5	QPSK	24	0	23.04	22.98	23.01	24.5	
5	HQAM	1	0	23.17	23.28	23.19		
5	HQAM	1	12	23.25	23.33	23.30		
5	HQAM	1	24	23.32	23.34	23.34	23.5	
5	HQAM	12	0	21.94	21.98	21.98		
5	HQAM	12	13	22.03	22.02	22.05		
5	HQAM	12	13	22.10	22.15	22.14	23.5	
5	HQAM	25	0	22.00	22.07	21.95		
5	HQAM	1	0	22.01	22.10	22.09		
5	HQAM	1	12	22.10	22.21	22.15	23.5	
5	HQAM	1	24	22.18	22.31	22.19		
5	HQAM	12	13	21.08	21.17	21.08		
5	HQAM	25	0	21.04	21.02	21.07	22.5	
5	SSBQAM	1	0	19.11	19.25	19.11		
5	SSBQAM	1	12	19.26	19.06	19.15	20.5	
5	SSBQAM	1	24	19.08	19.10	19.03		
5	SSBQAM	12	7	19.22	19.13	19.00		
5	SSBQAM	12	13	19.12	19.07	19.13	20.5	
5	SSBQAM	25	0	19.22	19.07	19.02		

Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq	Power High Ch. 1 Freq	Power High Ch. 2 Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	21.53			25
10	QPSK	1	25	21.51			
10	QPSK	1	49	21.57			
10	QPSK	25	0	22.60			
10	QPSK	25	12	22.61			24
10	QPSK	25	25	22.65			
10	QPSK	50	0	22.61			
10	QPSK	50	0	22.62			
10	16QAM	1	0	22.66			24
10	16QAM	1	25	22.68			
10	16QAM	1	49	22.68			
10	16QAM	25	0	21.81			
10	16QAM	25	12	21.86			23
10	16QAM	25	25	21.69			
10	16QAM	50	0	21.94			
10	16QAM	50	0	21.96			
10	16QAM	1	25	21.51			23
10	16QAM	1	49	21.78			
10	16QAM	25	0	20.85			
10	16QAM	25	12	20.89			
10	16QAM	25	25	20.71			22
10	16QAM	50	0	20.68			
10	256QAM	1	0	18.25			
10	256QAM	1	25	18.50			
10	256QAM	1	49	18.76			20
10	256QAM	25	0	18.41			
10	256QAM	25	12	18.46			
10	256QAM	25	25	18.59			
10	256QAM	50	0	18.44			20
Channel				21.505	22.615	22.605	
Frequency (MHz)				778.5	782	784.5	
5	QPSK	1	0	23.45	23.48	23.22	25
5	QPSK	1	49	23.50	23.54	23.34	
5	QPSK	1	24	23.55	23.56	23.31	
5	QPSK	12	0	22.58	22.59	22.32	
5	QPSK	12	0	22.52	22.53	22.43	24
5	QPSK	12	13	22.85	22.87	22.38	
5	QPSK	25	0	22.65	22.63	22.37	
5	16QAM	1	0	22.84	22.78	22.50	
5	16QAM	1	12	22.75	22.82	22.48	24
5	16QAM	1	24	22.84	22.80	22.51	
5	16QAM	12	0	21.82	21.84	21.38	
5	16QAM	12	7	21.68	21.84	21.43	
5	16QAM	12	13	21.68	21.71	21.42	23
5	16QAM	25	0	21.70	21.63	21.41	
5	16QAM	1	0	21.73	21.68	21.42	
5	16QAM	1	49	21.68	21.81	21.43	
5	16QAM	1	24	21.77	21.81	21.48	23
5	16QAM	12	0	20.86	20.70	20.43	
5	16QAM	12	7	20.72	20.87	20.45	
5	16QAM	12	13	20.71	20.75	20.45	
5	16QAM	25	0	20.73	20.66	20.42	22
5	256QAM	1	0	18.16	18.24	18.25	
5	256QAM	1	12	18.43	18.45	18.47	
5	256QAM	1	24	18.65	18.67	18.66	
5	256QAM	12	0	18.37	18.35	18.38	20
5	256QAM	12	7	18.48	18.36	18.40	
5	256QAM	12	13	18.38	18.55	18.54	
5	256QAM	25	0	18.37	18.34	18.41	

Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.66	23.66	25	
10	QPSK	1	25	23.60	23.60		
10	QPSK	1	49	23.58	23.58		
10	QPSK	25	0	22.63	22.63	24	
10	QPSK	25	12	22.65	22.65		
10	QPSK	25	25	22.74	22.74		
10	QPSK	50	0	22.67	22.67	24	
10	WQAM	1	0	23.62	23.62		
10	WQAM	1	25	22.99	22.99		
10	WQAM	1	49	22.97	22.97	23	
10	WQAM	25	12	21.82	21.82		
10	WQAM	25	25	21.73	21.73		
10	WQAM	50	0	21.98	21.98	23	
10	WQAM	1	0	21.92	21.92		
10	WQAM	1	25	21.95	21.95		
10	WQAM	1	49	21.99	21.99	22	
10	WQAM	25	0	20.87	20.87		
10	WQAM	25	12	20.89	20.89		
10	WQAM	25	25	20.76	20.76	22	
10	WQAM	50	0	20.87	20.87		
10	WQAM	1	0	18.45	18.45		
10	WQAM	1	25	18.58	18.58	20	
10	WQAM	1	49	18.74	18.74		
10	WQAM	25	0	18.50	18.50		
10	WQAM	25	12	18.44	18.44	20	
10	WQAM	25	25	18.47	18.47		
10	WQAM	50	0	18.59	18.59		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.58	23.55	23.58	25
5	QPSK	1	12	23.63	23.60	23.64	
5	QPSK	1	24	23.65	23.64	23.56	
5	QPSK	12	0	22.71	22.65	22.84	24
5	QPSK	12	6	22.76	22.73	22.79	
5	QPSK	12	12	22.71	22.73	22.68	
5	QPSK	25	0	22.69	22.66	22.63	24
5	WQAM	1	0	22.91	22.92	22.87	
5	WQAM	1	12	23.09	23.02	22.98	
5	WQAM	1	24	22.96	23.00	22.99	23
5	WQAM	12	0	21.73	21.68	21.64	
5	WQAM	12	6	21.77	21.77	21.73	
5	WQAM	12	12	21.73	21.72	21.66	23
5	WQAM	25	0	21.71	21.68	21.64	
5	WQAM	1	0	21.87	21.89	21.85	
5	WQAM	1	12	21.93	22.00	21.94	23
5	WQAM	1	24	21.90	21.95	21.92	
5	WQAM	12	0	20.80	20.71	20.89	
5	WQAM	12	6	20.78	20.83	20.75	22
5	WQAM	12	12	20.75	20.76	20.89	
5	WQAM	25	0	20.72	20.67	20.89	
5	WQAM	1	0	18.36	18.37	18.42	20
5	WQAM	1	12	18.55	18.48	18.52	
5	WQAM	1	24	18.74	18.72	18.67	
5	WQAM	12	0	18.50	18.42	18.48	20
5	WQAM	12	6	18.38	18.34	18.35	
5	WQAM	12	12	18.47	18.46	18.39	
5	WQAM	25	0	18.40	18.47	18.44	20
5	WQAM	25	12	18.40	18.47	18.44	
5	WQAM	25	25	18.40	18.47	18.44	

Band 17_Ant 1									
RF Ch	Modulation	RE Tx	RE OF Ch	Power Ch1 dBm	Power Ch2 dBm	Power Ch3 dBm	Power Ch4 dBm	Time slot (min)	
Channel									
Frequency (MHz)									
Q1RFK	1	0	23.30	23.31	23.32				
Q1RFK	1	25	23.38	23.37	23.37			25	
Q1RFK	1	24	23.38	23.37	23.37				
Q1RFK	25	0	22.38	22.39	22.41				
Q1RFK	25	25	22.37	22.37	22.38			25	
Q1RFK	25	24	22.37	22.37	22.38				
Q1RFK	50	0	22.47	22.48	22.45				
Q1RFK	50	25	22.47	22.48	22.45			25	
Q1RFK	50	24	22.47	22.48	22.45				
Q1GAM	1	25	22.78	22.78	22.74			24	
Q1GAM	1	49	22.78	22.80	22.77				
Q1GAM	1	24	21.57	21.58	21.57			24	
Q1GAM	25	12	21.57	21.58	21.57				
Q1GAM	25	12	21.57	21.58	21.57			25	
Q1GAM	1	0	21.58	21.54	21.50				
Q1GAM	1	24	21.58	21.54	21.50			24	
Q1GAM	1	49	21.53	21.50	21.50			25	
Q1GAM	25	0	20.42	20.43	20.44				
Q1GAM	25	25	20.42	20.43	20.44			25	
Q1GAM	25	24	20.42	20.43	20.44				
Q1GAM	50	0	20.49	20.47	20.46				
Q1GAM	50	25	20.49	20.48	20.52			25	
Q1GAM	50	24	20.49	20.47	20.46				
Q2RFK	1	25	18.34	18.37	18.32			25	
Q2RFK	1	24	18.34	18.37	18.32				
Q2RFK	25	0	18.30	18.40	18.30				
Q2RFK	25	25	18.31	18.27	18.30			25	
Q2RFK	25	24	18.30	18.40	18.30				
Q2RFK	50	0	18.37	18.46	18.31				
Q2RFK	50	25	18.37	18.36	18.31			25	
Q2RFK	50	24	18.37	18.36	18.31				
Channel									
Frequency (MHz)									
Q1RFK	1	0	23.33	23.28	23.27				
Q1RFK	1	12	23.42	23.42	23.39			25	
Q1RFK	1	24	23.42	23.42	23.39				
Q1RFK	12	0	22.44	22.48	22.43				
Q1RFK	12	7	22.41	22.46	22.41			25	
Q1RFK	12	13	22.39	22.42	22.45				
Q1RFK	12	13	22.39	22.42	22.45			25	
Q1RFK	25	0	22.49	22.47	22.47				
Q1RFK	25	1	22.46	22.47	22.46			25	
Q1RFK	25	12	22.41	22.38	22.39				
Q1GAM	1	24	22.78	22.79	22.75			24	
Q1GAM	1	24	21.57	21.58	21.57				
Q1GAM	12	7	21.53	21.52	21.54			12	
Q1GAM	12	13	21.54	21.53	21.47				
Q1GAM	12	24	21.57	21.58	21.44			24	
Q1GAM	1	0	21.57	21.68	21.83				
Q1GAM	1	12	21.66	21.67	21.64			12	
Q1GAM	1	24	21.57	21.58	21.57				
Q1GAM	12	0	20.50	20.49	20.47				
Q1GAM	12	0	20.51	20.50	20.51			12	
Q1GAM	12	13	20.51	20.49	20.47				
Q1GAM	12	24	20.51	20.49	20.47			24	
Q1GAM	1	0	20.51	20.50	20.51			1	
Q2RFK	1	12	18.46	18.45	18.42			12	
Q2RFK	1	24	18.52	18.39	18.37				
Q2RFK	12	0	18.26	18.35	18.25			12	
Q2RFK	12	7	18.26	18.31	18.30				
Q2RFK	12	13	18.30	18.27	18.31			13	
Q2RFK	12	24	18.26	18.31	18.31				



Band 30_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Time-up (ms)	
Channel							
Frequency (MHz)							
2370.5							
10	QPSK	1	0	23.87		25.7	
10	QPSK	1	25	23.88			
10	QPSK	1	49	23.85			
10	QPSK	25	0	22.90		24.7	
10	QPSK	25	12	22.94			
10	QPSK	25	25	22.96			
10	QPSK	50	0	22.94		24.7	
10	HQAM	1	0	23.21			
10	HQAM	1	25	23.25			
10	HQAM	1	49	23.23		23.7	
10	HQAM	25	0	21.88			
10	HQAM	25	12	21.97			
10	HQAM	25	25	21.94		23.7	
10	HQAM	50	0	21.93			
10	HQAM	1	0	20.96		22.7	
10	HQAM	1	25	22.17			
10	HQAM	1	49	22.02			
10	HQAM	25	0	20.95		22.7	
10	HQAM	25	12	21.82			
10	HQAM	25	25	20.95			
10	HQAM	50	0	20.98		20.7	
10	256QAM	1	0	19.20			
10	256QAM	1	25	19.23			
10	256QAM	1	49	19.13		20.7	
10	256QAM	25	0	18.96			
10	256QAM	25	12	19.06			
10	256QAM	25	25	19.03		20.7	
10	256QAM	50	0	19.03			
Channel							
2307.5							
Frequency (MHz)							
2307.5							
5	QPSK	1	0	23.75	23.79	25.7	
5	QPSK	1	25	23.82	23.80		
5	QPSK	1	24	23.85	23.79		
5	QPSK	12	0	22.87	22.89	24.7	
5	QPSK	12	7	22.99	22.94		
5	QPSK	12	13	22.89	22.93		
5	QPSK	25	0	22.97	22.94	24.7	
5	HQAM	1	0	23.07	23.10		
5	HQAM	1	12	23.18	23.17		
5	HQAM	1	24	23.24	23.18	23.7	
5	HQAM	12	0	21.88	21.93		
5	HQAM	12	7	22.01	21.98		
5	HQAM	12	13	22.01	21.96	23.7	
5	HQAM	25	0	21.98	21.94		
5	HQAM	1	0	22.03	22.08		
5	HQAM	1	24	22.10	22.14	22.7	
5	HQAM	1	24	22.16	22.09		
5	HQAM	12	0	20.94	20.96		
5	HQAM	12	7	21.05	21.02	22.7	
5	HQAM	12	13	21.05	20.96		
5	HQAM	25	0	21.01	21.00		
5	256QAM	1	0	19.11	19.16	20.7	
5	256QAM	1	12	19.21	19.19		
5	256QAM	1	24	19.06	19.07		
5	256QAM	12	7	18.99	19.06	20.7	
5	256QAM	12	13	19.03	19.00		
5	256QAM	25	0	19.03	19.06		

Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)				2510	2535	2560			
2510	QPSK	1	0	22.75	22.86	22.84			
2510	QPSK	1	49	22.55	22.81	22.88			
2510	QPSK	1	99	22.77	22.97	22.91			
2510	QPSK	84	0	22.44	22.87	22.84			
2510	QPSK	50	24	22.58	22.83	22.85			
2510	QPSK	50	50	22.59	22.87	22.86			
2510	QPSK	100	0	22.58	22.72	22.88			
2510	WQAM	1	0	22.87	22.72	22.10			
2510	WQAM	1	49	22.84	22.79	22.81			
2510	WQAM	99	0	22.89	22.81	22.83			
2510	WQAM	50	0	22.45	22.89	22.85			
2510	WQAM	50	24	22.57	22.86	22.84			
2510	WQAM	50	50	22.58	22.84	22.89			
2510	WQAM	100	0	22.58	22.70	22.83			
2510	WQAM	1	0	22.85	22.76	22.84			
2510	WQAM	1	49	22.53	22.78	22.82			
2510	WQAM	1	99	22.82	22.82	22.11			
2510	WQAM	84	0	22.03	22.15	22.26			
2510	WQAM	50	24	22.83	22.15	22.08			
2510	WQAM	50	50	22.06	22.23	22.20			
2510	WQAM	100	0	22.02	22.13	22.19			
2510	256QAM	1	0	19.76	19.77	19.89			
2510	256QAM	1	49	19.81	19.71	19.89			
2510	256QAM	99	0	19.89	19.75	19.72			
2510	256QAM	50	0	19.82	19.80	19.84			
2510	256QAM	50	24	19.86	19.86	19.81			
2510	256QAM	50	50	19.71	19.87	19.86			
2510	256QAM	100	0	19.79	19.82	19.85			
Channel									
Frequency (MHz)				2507.5	2535	2560.5			
2507.5	QPSK	1	0	22.68	22.98	22.80			
2507.5	QPSK	1	49	22.65	22.81	22.80			
2507.5	QPSK	1	74	22.71	22.92	22.74			
2507.5	QPSK	39	0	22.34	22.83	22.83			
2507.5	QPSK	39	20	22.53	22.82	22.84			
2507.5	QPSK	39	39	22.80	22.78	22.82			
2507.5	QPSK	75	0	22.52	22.72	22.84			
2507.5	WQAM	1	0	22.53	22.69	22.08			
2507.5	WQAM	1	39	22.49	22.79	22.88			
2507.5	WQAM	1	74	22.84	22.82	22.77			
2507.5	WQAM	39	0	22.38	22.82	22.83			
2507.5	WQAM	39	20	22.54	22.87	22.74			
2507.5	WQAM	39	39	22.52	22.77	22.86			
2507.5	WQAM	75	0	22.52	22.61	22.75			
2507.5	WQAM	1	0	22.49	22.89	22.89			
2507.5	WQAM	1	39	22.43	22.72	22.77			
2507.5	WQAM	1	74	22.85	22.81	22.82			
2507.5	WQAM	39	0	21.85	22.14	22.26			
2507.5	WQAM	39	20	21.98	22.11	22.05			
2507.5	WQAM	39	39	22.91	22.19	22.14			
2507.5	WQAM	75	0	21.94	22.02	22.15			
2507.5	256QAM	1	0	19.87	19.74	19.86			
2507.5	256QAM	1	39	19.72	19.83	19.85			
2507.5	256QAM	39	0	19.86	19.86	19.72			
2507.5	256QAM	39	20	19.58	19.55	19.59			
2507.5	256QAM	39	39	19.67	19.51	19.87			
2507.5	256QAM	75	0	19.87	19.58	19.84			
2507.5	256QAM	75	0	19.74	19.55	19.57			
Channel									
Frequency (MHz)				2080	2100	2140			
2080	QPSK	1	0	22.72	22.96	22.78			
2080	QPSK	1	25	22.89	22.78	22.94			
2080	QPSK	1	49	22.71	22.87	22.81			
2080	QPSK	25	0	22.41	22.83	22.81			
2080	QPSK	25	12	22.52	22.80	22.77			
2080	QPSK	25	25	22.51	22.78	22.80			
2080	QPSK	50	0	22.49	22.84	22.79			
2080	WQAM	1	0	22.49	22.68	22.04			
2080	WQAM	1	25	22.49	22.75	22.81			
2080	WQAM	1	49	22.84	22.87	22.80			
2080	WQAM	25	0	22.40	22.82	22.81			
2080	WQAM	25	12	22.59	22.68	22.76			
2080	WQAM	25	25	22.52	22.77	22.88			
2080	WQAM	50	0	22.56	22.80	22.82			
2080	WQAM	1	0	22.56	22.80	22.82			
2080	WQAM	1	25	22.46	22.69	22.78			
2080	WQAM	1	49	22.80	22.78	22.06			
2080	WQAM	25	0	21.85	22.87	22.26			
2080	WQAM	25	12	22.08	22.11	21.99			
2080	WQAM	25	25	21.98	22.16	22.11			
2080	WQAM	50	0	21.97	22.13	22.12			
2080	256QAM	1	0	19.72	19.76	19.80			
2080	256QAM	1	25	19.71	19.85	19.81			
2080	256QAM	1	49	19.68	19.68	19.70			
2080	256QAM	25	0	19.68	19.67	19.67			
2080	256QAM	25	12	19.64	19.50	19.58			
2080	256QAM	25	25	19.64	19.60	19.66			
2080	256QAM	50	0	19.71	19.81	19.88			
Channel									
Frequency (MHz)				2077.5	2100	2140.5			
2077.5	QPSK	1	0	22.68	22.84	22.80			
2077.5	QPSK	1	12	22.84	22.77	22.81			
2077.5	QPSK	1	24	22.89	22.91	22.73			
2077.5	QPSK	12	0	22.42	22.80	22.74			
2077.5	QPSK	12	7	22.51	22.84	22.84			
2077.5	QPSK	12	12	22.54	22.73	22.77			
2077.5	QPSK	24	0	22.55	22.68	22.82			
2077.5	WQAM	1	0	22.47	22.84	22.09			
2077.5	WQAM	1	12	22.48	22.79	22.86			
2077.5	WQAM	1	24	22.66	22.88	22.81			
2077.5	WQAM	12	0	22.45	22.84	22.79			
2077.5	WQAM	12	12	22.51	22.84	22.83			
2077.5	WQAM	12	12	22.52	22.83	22.82			
2077.5	WQAM	24	0	22.51	22.84	22.83			
2077.5	WQAM	1	12	22.82	22.73	22.81			
2077.5	WQAM	1	24	22.82	22.73	22.82			
2077.5	WQAM	12	0	21.99	22.05	22.29			
2077.5	WQAM	12	7	21.95	22.08	21.98			
2077.5	WQAM	12	12	21.98	22.19	22.18			
2077.5	WQAM	24	0	21.98	22.07	22.10			
2077.5	256QAM	1	0	19.68	19.68	19.68			
2077.5	256QAM	1	12	19.70	19.68	19.58			
2077.5	256QAM	1	24	19.82	19.71	19.68			
2077.5	256QAM	12	0	19.58	19.51	19.58			
2077.5	256QAM	12	7	19.63	19.57	19.55			
2077.5	256QAM	12	12	19.86	19.80	19.80			
2077.5	256QAM	24	0	19.71	19.57	19.54			

Band 13_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Main Ch. / Freq	Power High Ch. / Freq	Time-up (ms) (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0		23.98		25.2
10	QPSK	1	25		24.02		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.16		24.2
10	QPSK	25	12		23.17		
10	QPSK	25	25		23.19		
10	QPSK	50	0		23.18		24.2
10	16QAM	1	0		23.38		
10	16QAM	1	25		23.37		
10	16QAM	1	49		23.40		23.2
10	16QAM	25	0		22.17		
10	16QAM	25	12		22.20		
10	16QAM	25	25		22.22		23.2
10	16QAM	50	0		22.19		
10	16QAM	1	0		22.21		
10	16QAM	1	25		22.32		22.2
10	16QAM	1	49		22.34		
10	16QAM	25	0		21.17		
10	16QAM	25	12		21.24		20.2
10	16QAM	25	25		21.23		
10	16QAM	50	0		21.23		
10	256QAM	1	0		18.81		20.2
10	256QAM	1	25		18.97		
10	256QAM	1	49		18.91		
10	256QAM	25	0		18.78		20.2
10	256QAM	25	12		18.86		
10	256QAM	25	25		18.89		
10	256QAM	50	0		18.84		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.93	23.98	23.74	25.2
5	QPSK	1	12	24.04	24.07	23.77	
5	QPSK	1	24	24.07	24.08	23.83	
5	QPSK	12	0	23.19	23.13	22.85	24.2
5	QPSK	12	6	23.18	23.15	22.83	
5	QPSK	12	12	23.19	23.21	22.89	
5	QPSK	25	0	23.18	23.14	22.90	24.2
5	16QAM	1	0	23.31	23.29	23.01	
5	16QAM	1	12	23.29	23.33	23.04	
5	16QAM	1	24	23.37	23.38	23.04	23.2
5	16QAM	12	0	22.20	22.17	21.92	
5	16QAM	12	6	22.20	22.17	21.95	
5	16QAM	12	12	22.21	22.22	21.94	23.2
5	16QAM	25	0	22.23	22.18	21.92	
5	16QAM	1	0	22.19	22.28	21.94	
5	16QAM	1	12	22.25	22.26	22.01	22.2
5	16QAM	1	24	22.29	22.32	22.02	
5	16QAM	12	0	21.22	21.23	20.98	
5	16QAM	12	6	21.26	21.21	20.98	20.2
5	16QAM	12	12	21.25	21.26	20.95	
5	16QAM	25	0	21.06	21.17	20.98	
5	256QAM	1	0	18.95	18.97	18.98	20.2
5	256QAM	1	12	18.93	18.96	18.94	
5	256QAM	1	24	18.96	18.96	18.96	
5	256QAM	12	0	18.77	18.69	18.74	20.2
5	256QAM	12	6	18.83	18.78	18.79	
5	256QAM	12	12	18.82	18.84	18.79	
5	256QAM	25	0	18.77	18.77	18.74	

Band 14_Ant 0								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0		24.59		25.7	
10	QPSK	1	25		24.53			
10	QPSK	1	49		24.48			
10	QPSK	25	0		23.55		24.7	
10	QPSK	25	12		23.57			
10	QPSK	25	25		23.63			
10	QPSK	50	0		23.55		24.7	
10	HQAM	1	0		23.95			
10	HQAM	1	25		23.91			
10	HQAM	1	49		23.86		23.7	
10	HQAM	25	0		22.54			
10	HQAM	25	12		22.57			
10	HQAM	25	25		22.64		23.7	
10	HQAM	50	0		22.55			
10	HQAM	1	0		22.79		23.7	
10	HQAM	1	25		22.54			
10	HQAM	1	49		22.79			
10	HQAM	25	0		21.58		22.7	
10	HQAM	25	12		21.81			
10	HQAM	25	25		21.83			
10	HQAM	50	0		21.59		20.7	
10	256QAM	1	0		19.53			
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.55		20.7	
10	256QAM	25	0		19.29			
10	256QAM	25	12		19.34			
10	256QAM	25	25		19.33		20.7	
10	256QAM	50	0		19.25			
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.48	24.48	24.45	25.7	
5	QPSK	1	12	24.56	24.53	24.50		
5	QPSK	1	24	24.55	24.55	24.48		
5	QPSK	12	0	23.62	23.54	23.51	24.7	
5	QPSK	12	7	23.68	23.68	23.60		
5	QPSK	12	13	23.81	23.80	23.68		
5	QPSK	25	0	23.59	23.54	23.52	24.7	
5	HQAM	1	0	23.82	23.82	23.78		
5	HQAM	1	12	23.90	23.92	23.86		
5	HQAM	1	24	23.88	23.88	23.79	23.7	
5	HQAM	12	0	22.84	22.81	22.53		
5	HQAM	12	7	22.68	22.69	22.80		
5	HQAM	12	13	22.60	22.62	22.58	23.7	
5	HQAM	25	0	22.82	22.58	22.58		
5	HQAM	1	0	22.81	22.77	22.77		
5	HQAM	1	12	22.83	22.85	22.84	23.7	
5	HQAM	1	24	22.82	22.82	22.80		
5	HQAM	12	0	21.71	21.60	21.58		
5	HQAM	12	7	21.69	21.70	21.68	22.7	
5	HQAM	12	13	21.83	21.86	21.81		
5	HQAM	25	0	21.80	21.81	21.84		
5	256QAM	1	0	19.47	19.48	19.53	20.7	
5	256QAM	1	12	19.31	19.33	19.28		
5	256QAM	1	24	19.46	19.46	19.42		
5	256QAM	12	0	19.19	19.27	19.27	20.7	
5	256QAM	12	7	19.28	19.28	19.34		
5	256QAM	12	13	19.33	19.36	19.33		
5	256QAM	25	0	19.21	19.18	19.15		

Band 17_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Main Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power Main Ch.2 Freq.	Power High Ch.2 Freq.
Channel				700	710	711	Time-up (ms)		
10	QPSK	1	0	24.58	24.58	24.53	25.7		
10	QPSK	1	25	24.58	24.64	24.65			
10	QPSK	1	49	24.62	24.65	24.62			
10	QPSK	25	0	23.84	23.86	23.85	24.7		
10	QPSK	25	12	23.78	23.73	23.71			
10	QPSK	25	25	23.80	23.79	23.80			
10	QPSK	50	0	23.09	23.12	23.09	24.7		
10	HQAM	1	0	23.90	23.92	23.91			
10	HQAM	1	25	24.01	24.01	24.00			
10	HQAM	1	49	24.01	24.02	24.02	23.7		
10	HQAM	25	0	22.62	22.64	22.64			
10	HQAM	25	12	22.78	22.71	22.71			
10	HQAM	25	25	22.77	22.81	22.76	23.7		
10	HQAM	50	0	22.89	22.70	22.87			
10	HQAM	1	0	22.86	22.76	22.74	23.7		
10	HQAM	1	25	22.92	22.97	22.90			
10	HQAM	1	49	22.92	22.98	22.93			
10	HQAM	25	0	21.67	21.67	21.67	22.7		
10	HQAM	25	12	21.84	21.78	21.78			
10	HQAM	25	25	21.80	21.82	21.82			
10	HQAM	50	0	21.70	21.71	21.71	20.7		
10	256QAM	1	0	19.44	19.37	19.33			
10	256QAM	1	25	19.50	19.48	19.51			
10	256QAM	1	49	19.58	19.60	19.68	20.7		
10	256QAM	25	0	19.46	19.44	19.46			
10	256QAM	25	12	19.56	19.52	19.43			
10	256QAM	25	25	19.58	19.54	19.52	20.7		
10	256QAM	50	0	19.45	19.48	19.45			
Channel				710.5	720.5	720.5	Time-up (ms)		
Frequency (MHz)				708.5	710	713.5			
5	QPSK	1	0	24.57	24.58	24.55	25.7		
5	QPSK	1	25	24.60	24.61	24.63			
5	QPSK	1	24	24.64	24.61	24.64			
5	QPSK	12	0	23.87	23.89	23.88	24.7		
5	QPSK	12	12	23.78	23.74	23.69			
5	QPSK	12	13	23.77	23.76	23.73			
5	QPSK	25	0	23.75	23.75	23.65	24.7		
5	HQAM	1	0	23.91	23.93	23.91			
5	HQAM	1	12	23.97	24.03	23.98			
5	HQAM	1	24	24.08	24.04	24.01	23.7		
5	HQAM	12	0	22.70	22.72	22.72			
5	HQAM	12	7	22.78	22.74	22.73			
5	HQAM	12	13	22.78	22.77	22.74	23.7		
5	HQAM	25	0	22.74	22.75	22.69			
5	HQAM	1	0	22.89	22.87	22.88	23.7		
5	HQAM	1	49	22.90	22.96	22.90			
5	HQAM	1	24	22.94	23.00	22.93			
5	HQAM	12	0	21.73	21.77	21.78	22.7		
5	HQAM	12	7	21.81	21.79	21.73			
5	HQAM	12	13	21.79	21.85	21.75			
5	HQAM	25	0	21.78	21.74	21.70	20.7		
5	256QAM	1	0	19.41	19.26	19.24			
5	256QAM	1	12	19.49	19.46	19.44			
5	256QAM	1	24	19.44	19.50	19.50	20.7		
5	256QAM	12	0	19.39	19.34	19.41			
5	256QAM	12	7	19.58	19.47	19.40			
5	256QAM	12	13	19.53	19.54	19.52	20.7		
5	256QAM	25	0	19.37	19.41	19.42			

Band 30_Ant 2							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Time-up (ms) (min)	
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.15		24.2	
10	QPSK	1	25	23.09			
10	QPSK	1	49	23.02			
10	QPSK	25	0	22.08		23.2	
10	QPSK	25	12	22.16			
10	QPSK	25	25	22.18			
10	QPSK	50	0	22.14		23.2	
10	WQAM	1	0	22.44			
10	WQAM	1	25	22.48			
10	WQAM	1	49	22.41		22.2	
10	WQAM	25	0	21.08			
10	WQAM	25	12	21.14			
10	WQAM	25	25	21.17		22.2	
10	WQAM	50	0	21.14			
10	WQAM	1	0	21.26			
10	WQAM	1	25	21.38		21.2	
10	WQAM	1	49	21.27			
10	WQAM	25	0	20.12			
10	WQAM	25	12	20.20		21.2	
10	WQAM	25	25	20.20			
10	WQAM	50	0	20.18			
10	256QAM	1	0	18.80		19.2	
10	256QAM	1	25	18.94			
10	256QAM	1	49	18.91			
10	256QAM	25	0	18.78		19.2	
10	256QAM	25	12	18.75			
10	256QAM	25	25	18.75			
10	256QAM	50	0	18.77		Time-up (ms) (min)	
Channel							
Frequency (MHz)							
5	QPSK	1	0	22.97	23.01	23.05	24.2
5	QPSK	1	12	23.14	23.14	23.12	
5	QPSK	1	24	23.13	23.13	23.06	
5	QPSK	12	0	22.10	22.12	22.16	23.2
5	QPSK	12	7	22.23	22.17	22.21	
5	QPSK	12	13	22.22	22.17	22.19	
5	QPSK	25	0	22.18	22.14	22.19	23.2
5	WQAM	1	0	22.32	22.34	22.35	
5	WQAM	1	12	22.42	22.40	22.38	
5	WQAM	1	24	22.44	22.40	22.36	22.2
5	WQAM	12	0	21.15	21.14	21.19	
5	WQAM	12	7	21.24	21.20	21.22	
5	WQAM	12	13	21.25	21.16	21.21	22.2
5	WQAM	25	0	21.21	21.18	21.20	
5	WQAM	1	0	21.28	21.32	21.34	
5	WQAM	1	12	21.32	21.36	21.33	22.2
5	WQAM	1	24	21.38	21.36	21.31	
5	WQAM	12	0	20.17	20.21	20.20	
5	WQAM	12	7	20.20	20.23	20.25	21.2
5	WQAM	12	13	20.30	20.25	20.24	
5	WQAM	25	0	20.26	20.17	20.40	
5	256QAM	1	0	18.75	18.76	18.77	19.2
5	256QAM	1	12	18.87	18.90	18.85	
5	256QAM	1	24	18.96	18.80	18.87	
5	256QAM	12	7	18.63	18.72	18.64	19.2
5	256QAM	12	13	18.65	18.75	18.71	
5	256QAM	25	0	18.75	18.72	18.70	

Band 5_Ant 1								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Main Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.47	23.57	23.64	25	
10	QPSK	1	25	23.51	23.58	23.63		
10	QPSK	1	49	23.58	23.63	23.65		
10	QPSK	8	0	22.63	22.66	22.63	24	
10	QPSK	25	12	22.72	22.87	22.82		
10	QPSK	25	25	22.68	22.76	22.84		
10	QPSK	50	0	22.72	22.86	22.88	24	
10	WQAM	1	0	22.91	22.92	22.97		
10	WQAM	1	25	22.92	22.98	22.92		
10	WQAM	1	49	22.96	22.93	22.93	23	
10	WQAM	25	0	21.59	21.71	21.62		
10	WQAM	25	12	21.71	21.67	21.63		
10	WQAM	25	25	21.68	21.71	21.62	23	
10	WQAM	50	0	21.74	21.77	21.81		
10	WQAM	50	12	21.74	21.71	21.81		
10	WQAM	1	25	21.58	21.56	21.75	22	
10	WQAM	1	49	21.87	21.83	21.17		
10	WQAM	25	0	20.66	20.69	20.66		
10	WQAM	25	12	20.77	20.74	20.67	22	
10	WQAM	25	25	20.71	20.74	20.45		
10	WQAM	50	0	20.73	20.69	20.69		
10	SSBQAM	1	0	18.48	18.83	18.58	20	
10	SSBQAM	1	25	18.53	18.50	18.61		
10	SSBQAM	1	49	18.50	18.63	18.54		
10	SSBQAM	25	0	18.47	18.48	18.45	20	
10	SSBQAM	25	12	18.46	18.42	18.39		
10	SSBQAM	25	25	18.38	18.48	18.48		
10	SSBQAM	50	0	18.51	18.49	18.44	20	
10	SSBQAM	50	12	18.51	18.45	18.45		
10	SSBQAM	50	25	18.43	18.45	18.38		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.61	23.62	23.80	25	
5	QPSK	1	12	23.60	23.63	23.82		
5	QPSK	1	24	23.57	23.59	23.53		
5	QPSK	12	0	22.63	22.73	22.65	24	
5	QPSK	12	12	22.70	22.74	22.68		
5	QPSK	12	13	22.65	22.87	22.87		
5	QPSK	25	0	22.68	22.72	22.58	24	
5	WQAM	1	0	22.94	23.01	22.93		
5	WQAM	1	12	22.92	22.99	22.84		
5	WQAM	1	24	22.94	22.96	22.89	23	
5	WQAM	12	0	21.87	21.75	21.67		
5	WQAM	12	7	21.71	21.77	21.81		
5	WQAM	12	13	21.66	21.69	21.58	23	
5	WQAM	25	0	21.72	21.74	21.59		
5	WQAM	1	0	21.88	21.95	21.86		
5	WQAM	1	12	21.83	21.90	21.78	23	
5	WQAM	1	24	21.88	21.89	21.58		
5	WQAM	12	0	20.74	20.80	20.55		
5	WQAM	12	7	20.78	20.81	20.29	22	
5	WQAM	12	13	20.71	20.75	20.28		
5	WQAM	25	0	20.73	20.76	20.33		
5	SSBQAM	1	0	18.38	18.58	18.58	20	
5	SSBQAM	1	12	18.59	18.40	18.53		
5	SSBQAM	1	24	18.42	18.55	18.46		
5	SSBQAM	12	0	18.40	18.44	18.40	20	
5	SSBQAM	12	7	18.44	18.37	18.38		
5	SSBQAM	12	13	18.35	18.36	18.46		
5	SSBQAM	25	0	18.43	18.45	18.38	20	
5	SSBQAM	25	12	18.43	18.45	18.38		
5	SSBQAM	25	25	18.43	18.45	18.38		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.39	23.47	23.51	25	
3	QPSK	1	8	23.49	23.53	23.48		
3	QPSK	1	16	23.51	23.51	23.43		
3	QPSK	8	0	22.85	22.88	22.58	24	
3	QPSK	8	4	22.88	22.58	22.54		
3	QPSK	8	7	22.83	22.85	22.58		
3	QPSK	16	0	22.62	22.60	22.50	24	
3	WQAM	1	0	22.91	22.92	22.99		
3	WQAM	1	8	22.87	22.97	22.86		
3	WQAM	1	16	22.94	22.90	22.73	23	
3	WQAM	1	4	21.56	21.59	21.57		
3	WQAM	8	0	21.84	21.62	21.63		
3	WQAM	8	7	21.61	21.68	21.67	23	
3	WQAM	16	0	21.69	21.64	21.62		
3	WQAM	1	0	21.85	21.87	21.74		
3	WQAM	1	8	21.78	21.83	21.69	23	
3	WQAM	1	16	21.81	21.79	21.16		
3	WQAM	8	0	20.81	20.80	20.81		
3	WQAM	8	4	20.76	20.72	20.69	22	
3	WQAM	8	7	20.63	20.72	20.41		
3	WQAM	16	0	20.65	20.59	20.59		
3	SSBQAM	1	0	18.46	18.67	18.51	20	
3	SSBQAM	1	8	18.43	18.47	18.51		
3	SSBQAM	1	16	18.45	18.63	18.45		
3	SSBQAM	8	0	18.36	18.44	18.36	20	
3	SSBQAM	8	4	18.46	18.37	18.36		
3	SSBQAM	8	7	18.34	18.42	18.43		
3	SSBQAM	16	0	18.46	18.44	18.35	20	
3	SSBQAM	16	8	18.46	18.44	18.35		
3	SSBQAM	16	16	18.46	18.44	18.35		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.45	23.52	23.43	25	
1.4	QPSK	1	3	23.54	23.58	23.48		
1.4	QPSK	1	5	23.47	23.51	23.39		
1.4	QPSK	1	6	23.53	23.52	23.47	24	
1.4	QPSK	3	1	23.57	23.62	23.50		
1.4	QPSK	3	2	23.53	23.57	23.48		
1.4	QPSK	6	0	22.58	22.64	22.51	24	
1.4	WQAM	1	0	22.79	22.84	22.78		
1.4	WQAM	1	3	22.89	22.84	22.77		
1.4	WQAM	1	5	22.82	22.88	22.72	24	
1.4	WQAM	3	0	22.63	22.64	22.54		
1.4	WQAM	3	1	22.66	22.72	22.60		
1.4	WQAM	3	1	22.61	22.63	22.49	23	
1.4	WQAM	6	0	21.84	21.71	21.58		
1.4	WQAM	1	0	21.74	21.75	21.39		
1.4	WQAM	1	3	21.84	21.81	21.44	23	
1.4	WQAM	1	6	21.78	21.82	21.39		
1.4	WQAM	3	0	21.78	21.74	21.32		
1.4	WQAM	3	1	21.78	21.84	21.44	22	
1.4	WQAM	6	0	20.80	20.65	20.36		
1.4	SSBQAM	1	0	18.46	18.67	18.51		
1.4	SSBQAM	1	3	18.46	18.47	18.51	20	
1.4	SSBQAM	1	6	18.42	18.53	18.54		
1.4	SSBQAM	3	0	18.45	18.47	18.41		
1.4	SSBQAM	3	1	18.39	18.32	18.38	20	
1.4	SSBQAM	3	1	18.34	18.39	18.41		
1.4	SSBQAM	6	0	18.51	18.40	18.42		

Band 7_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mean Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	Time-down (ms)	
Channel									
Frequency (MHz)				2510	2535	2560			
25	QPSK	1	0	23.87	23.94	23.99			25.5
25	QPSK	1	49	23.93	23.99	23.94			
25	QPSK	1	99	23.99	24.06	24.02			
25	QPSK	84	0	22.97	23.02	23.02			
25	QPSK	50	24	23.10	23.09	23.08			24.5
25	QPSK	50	50	23.11	23.16	23.13			
25	QPSK	100	0	23.07	23.07	23.05			
25	HQAM	1	0	23.27	23.30	23.29			24.5
25	HQAM	1	49	23.29	23.38	23.36			
25	HQAM	1	99	23.33	23.40	23.34			
25	HQAM	50	0	21.99	22.04	22.02			
25	HQAM	50	24	22.16	22.16	22.06			23.5
25	HQAM	50	50	22.13	22.17	22.14			
25	HQAM	100	0	22.08	22.07	22.03			
25	HQAM	1	0	22.06	22.11	22.10			
25	HQAM	1	49	22.16	22.26	22.21			23.5
25	HQAM	1	99	22.24	22.32	22.27			
25	HQAM	50	0	21.00	21.08	21.05			22.5
25	HQAM	50	24	21.12	21.11	21.08			
25	HQAM	50	50	21.15	21.21	21.15			
25	HQAM	100	0	21.12	21.05	21.07			
25	SSBQAM	1	0	19.20	19.27	19.13			20.5
25	SSBQAM	1	49	19.26	19.16	19.22			
25	SSBQAM	1	99	19.12	19.17	19.11			
25	SSBQAM	50	0	19.12	19.12	19.07			
25	SSBQAM	50	24	19.22	19.14	19.10			20.5
25	SSBQAM	50	50	19.17	19.16	19.13			
25	SSBQAM	100	0	19.23	19.11	19.05			
Channel									
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.83	23.84	23.85			25.5
15	QPSK	1	49	23.86	23.90	23.85			
15	QPSK	1	74	23.97	24.04	23.94			
15	QPSK	36	0	22.95	22.98	23.00			24.5
15	QPSK	36	20	23.08	23.04	23.04			
15	QPSK	36	39	23.08	23.13	23.09			
15	QPSK	75	0	23.02	23.01	23.01			
15	HQAM	1	0	23.23	23.30	23.29			24.5
15	HQAM	1	37	23.24	23.36	23.30			
15	HQAM	1	74	23.31	23.34	23.24			
15	HQAM	36	0	21.88	22.04	22.01			23.5
15	HQAM	36	20	22.10	22.02	21.97			
15	HQAM	36	39	22.10	22.06	22.14			
15	HQAM	75	0	21.98	22.05	21.94			
15	HQAM	1	0	22.07	22.08	22.06			23.5
15	HQAM	1	49	22.08	22.20	22.19			
15	HQAM	1	74	22.14	22.25	22.17			
15	HQAM	36	0	20.95	20.98	21.02			22.5
15	HQAM	36	20	21.03	21.02	21.06			
15	HQAM	36	39	21.12	21.21	21.06			
15	HQAM	75	0	21.06	21.05	21.00			
15	SSBQAM	1	0	19.17	19.25	19.13			20.5
15	SSBQAM	1	37	19.16	19.12	19.10			
15	SSBQAM	1	74	19.24	19.12	19.02			
15	SSBQAM	36	0	19.04	19.12	19.04			20.5
15	SSBQAM	36	20	19.14	19.05	19.05			
15	SSBQAM	36	39	19.15	19.14	19.08			
15	SSBQAM	75	0	19.23	19.04	19.07			
Channel									
Frequency (MHz)				2090	2100	21400			
Frequency (MHz)				2095	2105	2095			
10	QPSK	1	0	23.89	23.92	23.99			25.5
10	QPSK	1	25	23.93	23.90	23.84			
10	QPSK	1	49	23.96	24.01	23.96			
10	QPSK	25	0	22.91	22.96	22.97			24.5
10	QPSK	25	12	23.07	23.06	23.00			
10	QPSK	25	26	23.03	23.09	23.03			
10	QPSK	50	0	22.99	23.06	23.01			
10	HQAM	1	0	23.17	23.24	23.26			24.5
10	HQAM	25	25	23.27	23.34	23.35			
10	HQAM	1	49	23.31	23.39	23.31			
10	HQAM	25	0	21.92	22.00	21.95			23.5
10	HQAM	25	12	22.07	22.09	22.06			
10	HQAM	25	26	22.08	22.10	22.07			
10	HQAM	50	0	22.02	22.04	22.00			23.5
10	HQAM	1	0	22.00	22.13	22.10			
10	HQAM	1	25	22.06	22.16	22.18			
10	HQAM	1	49	22.14	22.31	22.25			
10	HQAM	25	0	20.91	21.02	20.96			22.5
10	HQAM	25	12	21.04	21.04	21.02			
10	HQAM	25	26	21.08	21.14	21.09			
10	HQAM	50	0	21.10	21.05	21.02			
10	SSBQAM	1	0	19.15	19.19	19.09			20.5
10	SSBQAM	1	25	19.20	19.07	19.02			
10	SSBQAM	1	49	19.10	19.09	19.03			
10	SSBQAM	25	0	19.03	19.05	19.06			20.5
10	SSBQAM	25	12	19.21	19.07	19.09			
10	SSBQAM	25	26	19.16	19.08	19.06			
10	SSBQAM	50	0	19.18	19.04	19.09			
Channel									
Frequency (MHz)				2077.5	2100	21425			
Frequency (MHz)				2072.5	2105	2077.5			
5	QPSK	1	0	23.84	23.93	23.96			25.5
5	QPSK	1	12	23.93	23.93	23.88			
5	QPSK	1	24	23.89	24.02	23.95			
5	QPSK	12	0	22.96	23.03	22.99			24.5
5	QPSK	12	7	23.09	23.02	22.96			
5	QPSK	12	13	23.11	23.14	23.13			
5	QPSK	24	0	23.04	22.98	23.01			
5	HQAM	1	0	23.17	23.28	23.19			24.5
5	HQAM	1	12	23.25	23.33	23.30			
5	HQAM	1	24	23.32	23.34	23.34			
5	HQAM	12	0	21.94	21.98	21.98			23.5
5	HQAM	12	13	22.03	22.02	22.05			
5	HQAM	12	13	22.10	22.15	22.14			
5	HQAM	25	0	22.00	22.07	21.95			
5	HQAM	1	0	22.01	22.10	22.09			23.5
5	HQAM	1	12	22.10	22.21	22.15			
5	HQAM	1	24	22.18	22.31	22.19			
5	HQAM	12	13	21.08	21.17	21.08			22.5
5	HQAM	25	0	21.04	21.02	21.07			
5	SSBQAM	1	0	19.11	19.25	19.11			20.5
5	SSBQAM	1	12	19.26	19.06	19.15			
5	SSBQAM	1	24	19.08	19.10	19.03			
5	SSBQAM	12	0	19.08	19.06	19.06			20.5
5	SSBQAM	12	7	19.22	19.13	19.00			
5	SSBQAM	12	13	19.12	19.07	19.13			
5	SSBQAM	25	0	19.22	19.07	19.02			

Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq	Power High Ch. 1 Freq	Power High Ch. 2 Freq	Time-up (ms)
Channel							
Frequency (MHz)							
10	QPSK	1	0	21.53			25
10	QPSK	1	25	21.51			
10	QPSK	1	49	21.57			
10	QPSK	25	0	22.60			
10	QPSK	25	12	22.61			24
10	QPSK	25	25	22.65			
10	QPSK	50	0	22.61			
10	QPSK	50	0	22.62			
10	16QAM	1	0	22.62			24
10	16QAM	1	25	22.66			
10	16QAM	1	49	22.68			
10	16QAM	25	0	21.81			
10	16QAM	25	12	21.86			23
10	16QAM	25	25	21.69			
10	16QAM	50	0	21.94			
10	16QAM	50	0	21.96			
10	16QAM	1	25	21.51			23
10	16QAM	1	49	21.78			
10	16QAM	25	0	20.85			
10	16QAM	25	12	20.89			
10	16QAM	25	25	20.71			22
10	16QAM	50	0	20.68			
10	256QAM	1	0	18.25			
10	256QAM	1	25	18.50			
10	256QAM	1	49	18.76			20
10	256QAM	25	0	18.41			
10	256QAM	25	12	18.46			
10	256QAM	25	25	18.59			
10	256QAM	50	0	18.44			20
Channel				23.05	23.11	23.05	
Frequency (MHz)				778.5	782	784.5	
5	QPSK	1	0	23.45	23.48	23.22	25
5	QPSK	1	49	23.50	23.54	23.34	
5	QPSK	1	24	23.55	23.56	23.31	
5	QPSK	12	0	22.58	22.59	22.32	
5	QPSK	12	0	22.52	22.53	22.43	24
5	QPSK	12	13	22.85	22.87	22.38	
5	QPSK	25	0	22.65	22.63	22.37	
5	16QAM	1	0	22.84	22.78	22.50	
5	16QAM	1	12	22.75	22.82	22.48	24
5	16QAM	1	24	22.84	22.80	22.51	
5	16QAM	12	0	21.82	21.84	21.38	
5	16QAM	12	7	21.88	21.84	21.43	
5	16QAM	12	13	21.88	21.71	21.42	23
5	16QAM	25	0	21.70	21.63	21.41	
5	16QAM	1	0	21.73	21.68	21.42	
5	16QAM	1	49	21.68	21.81	21.43	
5	16QAM	1	24	21.77	21.81	21.48	23
5	16QAM	12	0	20.86	20.70	20.43	
5	16QAM	12	7	20.72	20.87	20.45	
5	16QAM	12	13	20.71	20.75	20.45	
5	16QAM	25	0	20.73	20.66	20.42	22
5	256QAM	1	0	18.16	18.24	18.25	
5	256QAM	1	12	18.43	18.45	18.47	
5	256QAM	1	24	18.65	18.67	18.66	
5	256QAM	12	0	18.37	18.35	18.38	
5	256QAM	12	7	18.48	18.36	18.40	20
5	256QAM	12	13	18.58	18.55	18.54	
5	256QAM	25	0	18.37	18.34	18.41	
5	256QAM	25	0	18.37	18.34	18.41	

Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Time-up (ms)	
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.66	23.66	25	
10	QPSK	1	25	23.60	23.60		
10	QPSK	1	49	23.58	23.58		
10	QPSK	25	0	22.63	22.63	24	
10	QPSK	25	12	22.65	22.65		
10	QPSK	25	25	22.74	22.74		
10	QPSK	50	0	22.67	22.67	24	
10	16QAM	1	0	23.62	23.62		
10	16QAM	1	25	22.99	22.99		
10	16QAM	1	49	22.97	22.97	23	
10	16QAM	25	0	21.82	21.82		
10	16QAM	25	12	21.86	21.86		
10	16QAM	25	25	21.73	21.73	23	
10	16QAM	50	0	21.98	21.98		
10	16QAM	1	0	21.92	21.92	23	
10	16QAM	1	25	21.95	21.95		
10	16QAM	1	49	21.99	21.99		
10	16QAM	25	0	20.87	20.87	22	
10	16QAM	25	12	20.89	20.89		
10	16QAM	25	25	20.76	20.76		
10	16QAM	50	0	20.87	20.87	20	
10	256QAM	1	0	18.45	18.45		
10	256QAM	1	25	18.50	18.50		
10	256QAM	1	49	18.74	18.74	20	
10	256QAM	25	0	18.50	18.50		
10	256QAM	25	12	18.44	18.44		
10	256QAM	25	25	18.47	18.47	20	
10	256QAM	50	0	18.59	18.59		
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.58	23.55	23.58	25
5	QPSK	1	12	23.63	23.60	23.64	
5	QPSK	1	24	23.65	23.64	23.56	
5	QPSK	12	0	22.71	22.65	22.84	24
5	QPSK	12	12	22.76	22.73	22.70	
5	QPSK	12	13	22.71	22.73	22.68	
5	QPSK	25	0	22.69	22.66	22.63	24
5	16QAM	1	0	22.91	22.92	22.87	
5	16QAM	1	12	23.09	23.02	22.98	
5	16QAM	1	24	22.96	23.00	22.99	23
5	16QAM	12	0	21.73	21.68	21.64	
5	16QAM	12	7	21.77	21.77	21.78	
5	16QAM	12	13	21.73	21.72	21.66	23
5	16QAM	25	0	21.71	21.68	21.64	
5	16QAM	1	0	21.87	21.89	21.85	
5	16QAM	1	12	21.93	22.00	21.94	23
5	16QAM	1	24	21.90	21.95	21.92	
5	16QAM	12	0	20.80	20.71	20.89	
5	16QAM	12	7	20.78	20.83	20.75	22
5	16QAM	12	13	20.75	20.76	20.89	
5	16QAM	25	0	20.72	20.67	20.89	
5	256QAM	1	0	18.36	18.37	18.42	20
5	256QAM	1	12	18.55	18.48	18.55	
5	256QAM	1	24	18.74	18.72	18.67	
5	256QAM	12	0	18.50	18.42	18.48	20
5	256QAM	12	7	18.38	18.34	18.35	
5	256QAM	12	13	18.47	18.46	18.39	
5	256QAM	25	0	18.40	18.47	18.44	20
5	256QAM	25	12	18.40	18.47	18.44	
5	256QAM	25	13	18.40	18.47	18.44	

Band 17_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Main Ch. Freq.	Power High Ch. Freq.	Time-up (ms)		
Channel				710	710	710			
Frequency (MHz)				710	710	710			
10	QPSK	1	0	23.38	23.31	23.32	25		
10	QPSK	1	25	23.38	23.37	23.37			
10	QPSK	1	49	23.37	23.39	23.38			
10	QPSK	25	0	22.38	22.39	22.41	24		
10	QPSK	25	25	22.38	22.40	22.45			
10	QPSK	25	50	22.37	22.35	22.35			
10	QPSK	50	0	22.47	22.48	22.45	24		
10	QPSK	50	25	22.50	22.48	22.48			
10	HQAM	1	0	22.76	22.78	22.74			
10	HQAM	1	25	22.75	22.80	22.77	24		
10	HQAM	1	49	22.74	22.81	22.77			
10	HQAM	25	0	21.41	21.41	21.41			
10	HQAM	25	12	21.55	21.48	21.47	23		
10	HQAM	25	25	21.57	21.54	21.51			
10	HQAM	50	0	21.44	21.46	21.42			
10	HQAM	1	0	21.55	21.54	21.50	23		
10	HQAM	1	25	21.57	21.58	21.58			
10	HQAM	1	49	21.53	21.60	21.48			
10	HQAM	25	0	20.42	20.43	20.44	22		
10	HQAM	25	12	20.59	20.51	20.51			
10	HQAM	25	25	20.59	20.58	20.58			
10	HQAM	50	0	20.49	20.47	20.46	20		
10	256QAM	1	0	18.34	18.39	18.22			
10	256QAM	1	25	18.43	18.45	18.47			
10	256QAM	1	49	18.54	18.47	18.38	20		
10	256QAM	25	0	18.31	18.27	18.30			
10	256QAM	25	12	18.30	18.40	18.34			
10	256QAM	25	25	18.40	18.37	18.39	20		
10	256QAM	50	0	18.27	18.40	18.31			
10	256QAM	50	25	18.35	18.36	18.35			
Channel				716.5	719.0	719.5			
Frequency (MHz)				716.5	719.0	719.5			
5	QPSK	1	0	23.33	23.28	23.27	25		
5	QPSK	1	12	23.42	23.42	23.37			
5	QPSK	1	24	23.43	23.44	23.40			
5	QPSK	12	0	22.44	22.48	22.41	24		
5	QPSK	12	7	22.51	22.48	22.43			
5	QPSK	12	13	22.53	22.52	22.45			
5	QPSK	25	0	22.49	22.47	22.42	24		
5	HQAM	1	0	22.65	22.67	22.66			
5	HQAM	1	12	22.74	22.78	22.70			
5	HQAM	1	24	22.78	22.79	22.75	23		
5	HQAM	12	0	21.48	21.47	21.48			
5	HQAM	12	7	21.53	21.52	21.45			
5	HQAM	12	13	21.54	21.53	21.47	22		
5	HQAM	25	0	21.51	21.48	21.44			
5	HQAM	1	0	21.57	21.66	21.63			
5	HQAM	1	12	21.66	21.70	21.64	22		
5	HQAM	1	24	21.79	21.76	21.67			
5	HQAM	12	0	20.50	20.49	20.47			
5	HQAM	12	7	20.57	20.55	20.51	20		
5	HQAM	12	13	20.57	20.58	20.52			
5	HQAM	25	0	20.51	20.49	20.41			
5	256QAM	1	0	18.25	18.31	18.16	20		
5	256QAM	1	12	18.40	18.45	18.42			
5	256QAM	1	24	18.52	18.39	18.37			
5	256QAM	12	7	18.25	18.33	18.30	20		
5	256QAM	12	13	18.36	18.37	18.37			
5	256QAM	25	0	18.30	18.30	18.31			

Band 30_Ant 0								
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Time-up (ms)	
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.87			25.7	
10	QPSK	1	25	23.88				
10	QPSK	1	49	23.85				
10	QPSK	25	0	22.90			24.7	
10	QPSK	25	12	22.94				
10	QPSK	25	25	22.96				
10	QPSK	50	0	22.94			24.7	
10	16QAM	1	0	23.21				
10	16QAM	1	25	23.25				
10	16QAM	1	49	23.23			23.7	
10	16QAM	25	0	21.88				
10	16QAM	25	12	21.97				
10	16QAM	25	25	21.94			23.7	
10	16QAM	50	0	21.93				
10	16QAM	1	0	22.96			23.7	
10	16QAM	1	25	22.17				
10	16QAM	1	49	22.02				
10	16QAM	25	0	20.92			22.7	
10	16QAM	25	12	21.82				
10	16QAM	25	25	20.95				
10	16QAM	50	0	20.88			20.7	
10	256QAM	1	0	19.20				
10	256QAM	1	25	19.23				
10	256QAM	1	49	19.13			20.7	
10	256QAM	25	0	18.96				
10	256QAM	25	12	19.06				
10	256QAM	25	25	19.03			20.7	
10	256QAM	50	0	19.03				
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.75	23.79	23.88	25.7	
5	QPSK	1	12	23.82	23.80	23.88		
5	QPSK	1	24	23.85	23.82	23.79		
5	QPSK	12	0	22.87	22.89	22.94	24.7	
5	QPSK	12	7	22.99	22.94	22.98		
5	QPSK	12	13	22.89	22.93	22.96		
5	QPSK	25	0	22.97	22.94	22.96	24.7	
5	16QAM	1	0	23.07	23.10	23.11		
5	16QAM	1	12	23.18	23.17	23.18		
5	16QAM	1	24	23.24	23.18	23.25	23.7	
5	16QAM	12	0	21.88	21.92	21.95		
5	16QAM	12	7	22.01	21.98	22.00		
5	16QAM	12	13	22.01	21.96	21.99	23.7	
5	16QAM	25	0	21.98	21.94	21.98		
5	16QAM	1	0	22.03	22.08	22.07		
5	16QAM	1	24	22.10	22.14	22.17	23.7	
5	16QAM	1	24	22.16	22.10	22.13		
5	16QAM	12	0	20.94	20.96	20.93		
5	16QAM	12	7	21.05	21.02	21.06	22.7	
5	16QAM	12	13	21.05	21.00	21.01		
5	16QAM	25	0	21.01	21.00	20.88		
5	256QAM	1	0	19.11	19.11	19.16	20.7	
5	256QAM	1	12	19.21	19.19	19.22		
5	256QAM	1	24	19.08	19.05	19.09		
5	256QAM	12	7	18.99	19.04	19.06	20.7	
5	256QAM	12	13	19.03	19.00	19.05		
5	256QAM	25	0	19.03	19.00	19.06		

Band 38_Ant 2							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (ms)
Channel				31850	36000	38150	
Frequency (MHz)				2460	2560	2660	
20	QPSK	1	0	24.68	24.63	24.52	20.7
20	QPSK	1	49	24.69	24.64	24.52	
20	QPSK	1	96	24.68	24.63	24.48	
20	QPSK	50	0	23.87	23.70	23.69	24.7
20	QPSK	50	24	23.86	23.70	23.68	
20	QPSK	50	50	23.87	23.70	23.69	
20	QPSK	100	0	23.88	23.71	23.68	24.7
20	16QAM	1	0	23.81	23.74	23.67	
20	16QAM	1	49	23.79	23.72	23.61	
20	16QAM	1	96	23.81	23.69	23.61	23.7
20	16QAM	50	0	22.91	22.76	22.73	
20	16QAM	50	24	22.90	22.75	22.70	
20	16QAM	50	50	22.90	22.75	22.68	23.7
20	16QAM	100	0	22.89	22.74	22.70	
20	64QAM	1	0	22.57	22.41	22.42	22.7
20	64QAM	1	49	22.53	22.46	22.36	
20	64QAM	1	96	22.58	22.39	22.42	
20	64QAM	50	0	22.40	21.76	21.70	22.7
20	64QAM	50	24	22.05	21.77	21.70	
20	64QAM	50	50	22.62	21.74	21.70	
20	64QAM	100	0	22.70	21.74	21.70	20.7
20	256QAM	1	0	19.77	19.78	19.81	
20	256QAM	1	49	19.70	19.68	19.59	
20	256QAM	1	96	19.73	19.57	19.54	20.7
20	256QAM	50	0	20.07	19.98	19.97	
20	256QAM	50	24	20.02	19.92	19.93	
20	256QAM	50	50	20.01	19.83	19.87	20.7
20	256QAM	100	0	20.03	19.92	19.91	
Channel				2177.5	2500	2822.5	
Frequency (MHz)				24.60	24.52	24.59	
15	QPSK	1	0	24.60	24.52	24.59	20.7
15	QPSK	1	37	24.60	24.50	24.35	
15	QPSK	1	74	24.59	24.52	24.38	
15	QPSK	36	0	23.77	23.63	23.58	24.7
15	QPSK	36	20	23.80	23.73	23.58	
15	QPSK	36	39	23.75	23.61	23.58	
15	QPSK	75	0	23.78	23.63	23.58	24.7
15	16QAM	1	0	23.78	23.68	23.58	
15	16QAM	1	37	23.60	23.50	23.34	
15	16QAM	1	74	23.74	23.63	23.54	23.7
15	16QAM	36	0	22.78	22.64	22.55	
15	16QAM	36	20	22.74	22.68	22.54	
15	16QAM	36	39	22.74	22.58	22.54	23.7
15	16QAM	75	0	22.79	22.65	22.60	
15	64QAM	1	0	22.60	22.35	22.30	
15	64QAM	1	37	22.44	22.37	22.23	22.7
15	64QAM	1	74	22.44	22.29	22.26	
15	64QAM	36	0	21.82	21.67	21.61	
15	64QAM	36	20	21.80	21.73	21.61	22.7
15	64QAM	36	39	21.81	21.65	21.58	
15	64QAM	75	0	21.81	21.65	21.61	
15	256QAM	1	0	19.72	19.72	19.72	20.7
15	256QAM	1	37	19.07	19.05	19.05	
15	256QAM	1	74	19.72	19.55	19.49	
15	256QAM	36	0	19.08	19.00	19.00	20.7
15	256QAM	36	20	19.05	18.98	19.01	
15	256QAM	36	39	19.08	19.03	19.04	
15	256QAM	75	0	19.09	19.01	19.00	20.7
15	256QAM	100	0	20.01	19.84	19.86	
Channel				31850	36000	38150	
Frequency (MHz)				24.60	24.52	24.42	
10	QPSK	1	0	24.63	24.61	24.42	20.7
10	QPSK	1	25	24.61	24.55	24.41	
10	QPSK	1	49	24.67	24.67	24.43	
10	QPSK	25	0	23.74	23.59	23.52	24.7
10	QPSK	25	12	23.75	23.69	23.52	
10	QPSK	25	24	23.74	23.69	23.51	
10	QPSK	50	0	23.75	23.61	23.53	24.7
10	16QAM	1	0	23.81	23.68	23.52	
10	16QAM	1	25	23.72	23.64	23.51	
10	16QAM	1	49	23.79	23.68	23.47	23.7
10	16QAM	25	0	22.74	22.69	22.53	
10	16QAM	25	12	22.76	22.72	22.58	
10	16QAM	25	24	22.74	22.67	22.48	23.7
10	16QAM	50	0	22.78	22.65	22.56	
10	64QAM	1	0	22.67	22.39	22.32	22.7
10	64QAM	1	25	22.54	22.43	22.30	
10	64QAM	1	49	22.50	22.39	22.30	
10	64QAM	25	0	21.81	21.67	21.61	22.7
10	64QAM	25	12	21.83	21.75	21.63	
10	64QAM	25	24	21.82	21.78	21.60	
10	64QAM	50	0	21.78	21.60	21.57	20.7
10	256QAM	1	0	19.09	19.72	19.79	
10	256QAM	1	25	19.05	19.03	19.08	
10	256QAM	1	49	19.09	19.52	19.48	20.7
10	256QAM	25	0	19.08	19.00	19.01	
10	256QAM	25	12	19.04	19.03	19.06	
10	256QAM	25	24	19.01	19.76	19.82	20.7
10	256QAM	50	0	20.01	19.84	19.86	
Channel				2572.5	2600	2627.5	
Frequency (MHz)				24.58	24.53	24.37	
5	QPSK	1	0	24.58	24.53	24.37	20.7
5	QPSK	1	12	24.54	24.40	24.35	
5	QPSK	1	24	24.59	24.52	24.33	
5	QPSK	12	0	23.68	23.54	23.48	24.7
5	QPSK	12	7	23.72	23.64	23.50	
5	QPSK	12	13	23.71	23.66	23.49	
5	QPSK	25	0	23.72	23.65	23.45	24.7
5	16QAM	1	0	23.72	23.67	23.52	
5	16QAM	1	12	23.75	23.68	23.50	
5	16QAM	1	24	23.75	23.68	23.52	23.7
5	16QAM	12	0	22.67	22.60	22.46	
5	16QAM	12	7	22.72	22.69	22.47	
5	16QAM	12	13	22.67	22.62	22.45	23.7
5	16QAM	25	0	22.73	22.68	22.52	
5	64QAM	1	0	22.61	22.43	22.35	
5	64QAM	1	12	22.54	22.44	22.30	22.7
5	64QAM	1	24	22.54	22.45	22.29	
5	64QAM	12	0	21.78	21.71	21.53	
5	64QAM	12	7	21.77	21.70	21.55	22.7
5	64QAM	12	13	21.76	21.70	21.51	
5	64QAM	25	0	21.79	21.70	21.55	
5	256QAM	1	0	19.67	19.77	19.81	20.7
5	256QAM	1	12	19.64	19.63	19.56	
5	256QAM	1	24	19.72	19.55	19.49	
5	256QAM	12	0	20.02	19.95	19.87	20.7
5	256QAM	12	7	19.97	19.85	19.83	
5	256QAM	12	13	19.99	19.80	19.77	
5	256QAM	25	0	19.98	19.87	19.82	

Band 38_Ant 0							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	30000	38150	
Frequency (MHz)				2300	2300	2300	
20	QPSK	1	0	23.42	23.33	23.25	20.2
20	QPSK	1	49	23.42	23.33	23.27	
20	QPSK	1	96	23.40	23.38	23.29	
20	QPSK	50	0	22.59	22.42	22.40	24.2
20	QPSK	50	24	22.55	22.42	22.42	
20	QPSK	50	50	22.55	22.42	22.40	
20	QPSK	100	0	22.58	22.41	22.42	24.2
20	16QAM	1	0	22.57	22.48	22.40	
20	16QAM	1	49	22.52	22.48	22.37	
20	16QAM	1	96	22.57	22.47	22.44	23.2
20	16QAM	50	0	21.62	21.45	21.44	
20	16QAM	50	24	21.59	21.44	21.44	
20	16QAM	50	50	21.50	21.44	21.45	23.2
20	16QAM	100	0	21.59	21.44	21.44	
20	64QAM	1	0	21.28	21.22	21.22	23.2
20	64QAM	1	49	21.33	21.29	21.25	
20	64QAM	1	96	21.37	21.29	21.29	
20	64QAM	50	0	20.40	20.40	20.40	22.2
20	64QAM	50	24	20.03	20.47	20.45	
20	64QAM	50	50	20.09	20.45	20.44	
20	64QAM	100	0	20.00	20.42	20.44	20.2
20	256QAM	1	0	18.46	18.38	18.36	
20	256QAM	1	49	18.35	18.26	18.27	
20	256QAM	1	96	18.34	18.15	18.14	20.2
20	256QAM	50	0	18.71	18.52	18.50	
20	256QAM	50	24	18.66	18.51	18.51	
20	256QAM	50	50	18.63	18.39	18.33	20.2
20	256QAM	100	0	18.62	18.47	18.46	
Channel				3177.5	2997.5	3812.5	
Frequency (MHz)				2177.5	2177.5	2177.5	
15	QPSK	1	0	21.38	21.28	21.21	20.2
15	QPSK	1	37	21.40	21.35	21.32	
15	QPSK	1	74	21.34	21.23	21.27	
15	QPSK	36	0	22.56	22.34	22.34	24.2
15	QPSK	36	20	22.55	22.39	22.39	
15	QPSK	36	39	22.48	22.42	22.30	
15	QPSK	75	0	22.49	22.31	22.40	24.2
15	16QAM	1	0	22.47	22.40	22.34	
15	16QAM	1	37	22.42	22.38	22.38	
15	16QAM	1	74	22.54	22.35	22.37	23.2
15	16QAM	36	0	21.59	21.41	21.44	
15	16QAM	36	20	21.48	21.37	21.41	
15	16QAM	36	39	21.58	21.37	21.39	23.2
15	16QAM	75	0	21.51	21.44	21.38	
15	64QAM	1	0	21.25	21.23	21.21	
15	64QAM	1	37	21.31	21.23	21.22	23.2
15	64QAM	1	74	21.32	21.20	21.23	
15	64QAM	36	0	20.57	20.44	20.40	
15	64QAM	36	20	20.61	20.43	20.37	22.2
15	64QAM	36	39	20.50	20.45	20.37	
15	64QAM	75	0	20.54	20.37	20.39	
15	256QAM	1	0	18.37	18.27	18.27	20.2
15	256QAM	1	37	18.31	18.25	18.25	
15	256QAM	1	74	18.32	18.23	18.23	
15	256QAM	36	0	18.41	18.42	18.46	20.2
15	256QAM	36	20	18.43	18.47	18.45	
15	256QAM	36	39	18.53	18.38	18.31	
15	256QAM	75	0	18.41	18.47	18.38	20.2
Channel				31850	30000	38000	
Frequency (MHz)				2177.5	2177.5	2177.5	
10	QPSK	1	0	21.38	21.27	21.21	20.2
10	QPSK	1	25	21.34	21.34	21.27	
10	QPSK	1	49	21.31	21.38	21.34	
10	QPSK	25	0	22.55	22.41	22.36	24.2
10	QPSK	25	12	22.53	22.39	22.33	
10	QPSK	25	24	22.53	22.39	22.35	
10	QPSK	50	0	22.51	22.38	22.36	24.2
10	16QAM	1	0	22.47	22.38	22.31	
10	16QAM	1	25	22.44	22.39	22.37	
10	16QAM	1	49	22.54	22.46	22.34	23.2
10	16QAM	25	0	21.59	21.43	21.42	
10	16QAM	25	12	21.55	21.35	21.34	
10	16QAM	25	24	21.53	21.44	21.44	23.2
10	64QAM	1	0	21.27	21.22	21.22	
10	64QAM	1	25	21.27	21.22	21.22	
10	64QAM	1	49	21.33	21.21	21.23	22.2
10	64QAM	25	0	20.62	20.41	20.39	
10	64QAM	25	12	20.58	20.44	20.35	
10	64QAM	25	24	20.55	20.42	20.38	20.2
10	64QAM	50	0	20.55	20.36	20.37	
10	256QAM	1	0	18.39	18.31	18.32	
10	256QAM	1	25	18.28	18.24	18.21	20.2
10	256QAM	1	49	18.31	18.24	18.22	
10	256QAM	25	0	18.84	18.42	18.46	
10	256QAM	25	12	18.94	18.43	18.35	20.2
10	256QAM	25	24	18.96	18.35	18.24	
10	256QAM	50	0	18.58	18.41	18.45	
Channel				2177.5	2097.5	3017.5	
Frequency (MHz)				2177.5	2177.5	2177.5	
5	QPSK	1	0	21.39	21.24	21.25	20.2
5	QPSK	1	12	21.41	21.29	21.29	
5	QPSK	1	24	21.32	21.21	21.21	
5	QPSK	12	0	22.56	22.34	22.31	24.2
5	QPSK	12	6	22.48	22.35	22.35	
5	QPSK	12	13	22.65	22.32	22.38	
5	QPSK	25	0	22.53	22.41	22.37	24.2
5	16QAM	1	0	22.47	22.42	22.36	
5	16QAM	1	12	22.44	22.44	22.38	
5	16QAM	1	24	22.54	22.45	22.39	23.2
5	16QAM	12	0	21.54	21.43	21.37	
5	16QAM	12	7	21.59	21.39	21.44	
5	16QAM	12	13	21.59	21.43	21.39	23.2
5	16QAM	25	0	21.59	21.40	21.34	
5	64QAM	1	0	21.20	21.25	21.22	
5	64QAM	1	12	21.31	21.23	21.23	22.2
5	64QAM	1	24	21.39	21.23	21.21	
5	64QAM	12	0	20.64	20.35	20.38	
5	64QAM	12	7	20.66	20.37	20.35	22.2
5	64QAM	12	13	20.63	20.40	20.38	
5	64QAM	25	0	20.60	20.35	20.42	
5	256QAM	1	0	18.45	18.37	18.34	20.2
5	256QAM	1	12	18.38	18.24	18.27	
5	256QAM	1	24	18.28	18.20	18.22	
5	256QAM	12	0	18.63	18.51	18.46	20.2
5	256QAM	12	7	18.63	18.42	18.42	
5	256QAM	12	13	18.66	18.39	18.27	
5	256QAM	25	0	18.52	18.35	18.46	

Band 38_Ant 2							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	36000	38150	
Frequency (MHz)				2460	2560	2660	
20	QPSK	1	0	24.68	24.63	24.52	20.7
20	QPSK	1	49	24.69	24.64	24.52	
20	QPSK	1	96	24.68	24.63	24.48	
20	QPSK	50	0	23.87	23.70	23.69	24.7
20	QPSK	50	24	23.86	23.70	23.68	
20	QPSK	50	50	23.87	23.70	23.69	
20	QPSK	100	0	23.88	23.71	23.68	24.7
20	16QAM	1	0	23.81	23.74	23.67	
20	16QAM	1	49	23.79	23.72	23.61	
20	16QAM	1	96	23.81	23.69	23.61	23.7
20	16QAM	50	0	22.91	22.76	22.73	
20	16QAM	50	24	22.90	22.75	22.70	
20	16QAM	50	50	22.90	22.75	22.68	23.7
20	16QAM	100	0	22.89	22.78	22.76	
20	64QAM	1	0	23.57	22.41	22.42	22.7
20	64QAM	1	49	23.53	22.46	22.36	
20	64QAM	1	96	23.58	22.39	22.42	
20	64QAM	50	0	22.40	21.76	21.71	22.7
20	64QAM	50	24	22.05	21.77	21.70	
20	64QAM	50	50	22.62	21.74	21.70	
20	256QAM	1	0	19.77	19.78	19.81	20.7
20	256QAM	1	49	19.70	19.68	19.59	
20	256QAM	1	96	19.73	19.57	19.54	
20	256QAM	50	0	20.07	19.96	19.87	20.7
20	256QAM	50	24	20.02	19.92	19.83	
20	256QAM	50	50	20.01	19.83	19.87	
20	256QAM	100	0	20.03	19.92	19.81	
Channel				2177.5	2500	2822.5	
Frequency (MHz)				2477.5	2450	2430	
15	QPSK	1	0	24.60	24.52	24.39	
15	QPSK	1	37	24.05	24.50	24.35	24.7
15	QPSK	1	74	24.59	24.52	24.38	
15	QPSK	36	0	23.77	23.63	23.58	
15	QPSK	36	20	23.80	23.73	23.58	24.7
15	QPSK	36	39	23.75	23.61	23.58	
15	QPSK	75	0	23.78	23.63	23.58	
15	16QAM	1	0	23.78	23.68	23.58	24.7
15	16QAM	1	37	23.60	23.50	23.43	
15	16QAM	1	74	23.74	23.63	23.54	
15	16QAM	36	0	22.78	22.64	22.55	23.7
15	16QAM	36	20	22.74	22.68	22.54	
15	16QAM	36	39	22.74	22.58	22.54	
15	16QAM	75	0	22.79	22.65	22.60	23.7
15	64QAM	1	0	22.90	22.30	22.30	
15	64QAM	1	37	22.44	22.37	22.25	
15	64QAM	1	74	22.44	22.29	22.26	22.7
15	64QAM	36	0	21.82	21.87	21.81	
15	64QAM	36	20	21.80	21.73	21.61	
15	64QAM	36	39	21.81	21.65	21.58	22.7
15	64QAM	75	0	21.81	21.65	21.61	
15	256QAM	1	0	19.72	19.72	19.72	
15	256QAM	1	37	19.07	19.05	19.05	20.7
15	256QAM	1	74	19.72	19.55	19.49	
15	256QAM	36	0	19.08	19.00	19.00	
15	256QAM	36	20	19.05	18.96	19.01	20.7
15	256QAM	36	39	19.08	19.03	19.04	
15	256QAM	75	0	19.09	19.01	19.00	
Channel				31850	36000	38000	
Frequency (MHz)				2477.5	2500	2622.5	
10	QPSK	1	0	24.63	24.61	24.42	20.7
10	QPSK	1	25	24.61	24.55	24.41	
10	QPSK	1	49	24.67	24.67	24.43	
10	QPSK	25	0	23.74	23.59	23.52	24.7
10	QPSK	25	12	23.75	23.69	23.52	
10	QPSK	25	24	23.74	23.69	23.51	
10	QPSK	50	0	23.75	23.61	23.53	24.7
10	16QAM	1	0	23.81	23.68	23.52	
10	16QAM	1	25	23.72	23.64	23.51	
10	16QAM	1	49	23.79	23.68	23.47	23.7
10	16QAM	25	0	22.74	22.59	22.53	
10	16QAM	25	12	22.76	22.72	22.58	
10	16QAM	25	24	22.74	22.67	22.48	23.7
10	64QAM	1	0	22.67	22.39	22.32	
10	64QAM	1	24	22.54	22.43	22.30	
10	64QAM	1	49	22.50	22.39	22.30	22.7
10	64QAM	25	0	21.81	21.87	21.81	
10	64QAM	25	12	21.83	21.75	21.63	
10	64QAM	25	24	21.82	21.78	21.60	20.7
10	64QAM	50	0	21.76	21.60	21.57	
10	256QAM	1	0	19.09	19.72	19.70	
10	256QAM	1	25	19.05	19.59	19.58	20.7
10	256QAM	1	49	19.09	19.52	19.48	
10	256QAM	25	0	19.08	19.00	19.01	
10	256QAM	25	12	19.04	19.03	19.00	20.7
10	256QAM	25	24	19.01	19.70	19.62	
10	256QAM	50	0	20.01	19.84	19.86	
Channel				2572.5	2600	2627.5	
Frequency (MHz)				2572.5	2550	2537.5	
5	QPSK	1	0	24.58	24.53	24.37	20.7
5	QPSK	1	12	24.54	24.40	24.35	
5	QPSK	1	24	24.59	24.52	24.33	
5	QPSK	12	0	23.68	23.54	23.48	24.7
5	QPSK	12	6	23.72	23.64	23.50	
5	QPSK	12	13	23.71	23.66	23.49	
5	QPSK	25	0	23.72	23.65	23.45	24.7
5	16QAM	1	0	23.72	23.67	23.52	
5	16QAM	1	12	23.75	23.68	23.50	
5	16QAM	1	24	23.75	23.68	23.52	23.7
5	16QAM	12	0	22.67	22.60	22.46	
5	16QAM	12	7	22.72	22.69	22.47	
5	16QAM	12	13	22.67	22.62	22.45	23.7
5	16QAM	25	0	22.73	22.68	22.52	
5	64QAM	1	0	22.51	22.43	22.35	
5	64QAM	1	12	22.54	22.44	22.30	22.7
5	64QAM	1	24	22.54	22.45	22.28	
5	64QAM	12	0	21.76	21.71	21.53	
5	64QAM	12	7	21.77	21.70	21.55	22.7
5	64QAM	12	13	21.76	21.70	21.51	
5	64QAM	25	0	21.79	21.70	21.55	
5	256QAM	1	0	19.67	19.77	19.81	20.7
5	256QAM	1	12	19.64	19.63	19.56	
5	256QAM	1	24	19.72	19.55	19.49	
5	256QAM	12	0	20.02	19.95	19.87	20.7
5	256QAM	12	7	20.02	19.85	19.83	
5	256QAM	12	13	19.99	19.80	19.77	
5	256QAM	25	0	19.98	19.87	19.82	

Band 38_Ant 0							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	30000	38150	
Frequency (MHz)				2300	2300	2300	
20	QPSK	1	0	23.42	23.33	23.25	20.2
20	QPSK	1	49	23.42	23.33	23.27	
20	QPSK	1	96	23.40	23.38	23.29	
20	QPSK	50	0	22.59	22.42	22.40	24.2
20	QPSK	50	24	22.55	22.42	22.42	
20	QPSK	50	50	22.55	22.42	22.40	
20	QPSK	100	0	22.58	22.41	22.42	24.2
20	16QAM	1	0	22.57	22.48	22.40	
20	16QAM	1	49	22.52	22.48	22.37	
20	16QAM	1	96	22.57	22.47	22.44	23.2
20	16QAM	50	0	21.62	21.45	21.44	
20	16QAM	50	24	21.59	21.44	21.44	
20	16QAM	50	50	21.50	21.44	21.45	23.2
20	16QAM	100	0	21.59	21.44	21.44	
20	64QAM	1	0	21.28	21.22	21.22	23.2
20	64QAM	1	49	21.33	21.29	21.25	
20	64QAM	1	96	21.37	21.29	21.29	
20	64QAM	50	0	20.40	20.40	20.40	22.2
20	64QAM	50	24	20.03	20.47	20.45	
20	64QAM	50	50	20.09	20.45	20.44	
20	64QAM	100	0	20.00	20.42	20.44	20.2
20	256QAM	1	0	18.46	18.38	18.36	
20	256QAM	1	49	18.35	18.38	18.27	
20	256QAM	1	96	18.34	18.35	18.34	20.2
20	256QAM	50	0	18.71	18.52	18.50	
20	256QAM	50	24	18.66	18.51	18.51	
20	256QAM	50	50	18.63	18.39	18.33	20.2
20	256QAM	100	0	18.62	18.47	18.46	
Channel				3177.5	2997.5	3812.5	
Frequency (MHz)				2177.5	2177.5	2177.5	
15	QPSK	1	0	21.38	21.28	21.21	20.2
15	QPSK	1	37	21.40	21.38	21.37	
15	QPSK	1	74	21.34	21.33	21.27	
15	QPSK	36	0	22.56	22.34	22.34	24.2
15	QPSK	36	20	22.55	22.39	22.39	
15	QPSK	36	39	22.48	22.42	22.30	
15	QPSK	75	0	22.49	22.31	22.40	24.2
15	16QAM	1	0	22.47	22.45	22.34	
15	16QAM	1	37	22.42	22.38	22.28	
15	16QAM	1	74	22.54	22.35	22.37	23.2
15	16QAM	36	0	21.59	21.41	21.44	
15	16QAM	36	20	21.48	21.37	21.41	
15	16QAM	36	39	21.58	21.37	21.39	23.2
15	16QAM	75	0	21.51	21.44	21.38	
15	64QAM	1	0	21.25	21.23	21.21	
15	64QAM	1	37	21.31	21.23	21.22	23.2
15	64QAM	1	74	21.32	21.20	21.20	
15	64QAM	36	0	20.57	20.44	20.40	
15	64QAM	36	20	20.61	20.43	20.37	22.2
15	64QAM	36	39	20.50	20.45	20.37	
15	64QAM	75	0	20.54	20.37	20.39	
15	256QAM	1	0	18.27	18.27	18.27	20.2
15	256QAM	1	37	18.31	18.25	18.25	
15	256QAM	1	74	18.32	18.23	18.23	
15	256QAM	36	0	18.41	18.42	18.46	20.2
15	256QAM	36	20	18.43	18.47	18.35	
15	256QAM	36	39	18.53	18.38	18.31	
15	256QAM	75	0	18.41	18.47	18.38	20.2
Channel				31850	30000	38000	
Frequency (MHz)				2177.5	2177.5	2177.5	
10	QPSK	1	0	21.38	21.27	21.21	20.2
10	QPSK	1	25	21.34	21.34	21.27	
10	QPSK	1	49	21.31	21.38	21.34	
10	QPSK	25	0	22.55	22.41	22.36	24.2
10	QPSK	25	12	22.53	22.39	22.33	
10	QPSK	25	24	22.53	22.39	22.35	
10	QPSK	50	0	22.51	22.38	22.36	24.2
10	16QAM	1	0	22.47	22.38	22.31	
10	16QAM	1	25	22.44	22.39	22.37	
10	16QAM	1	49	22.54	22.48	22.34	23.2
10	16QAM	25	0	21.59	21.43	21.42	
10	16QAM	25	12	21.55	21.35	21.34	
10	16QAM	25	24	21.53	21.44	21.44	23.2
10	64QAM	1	0	21.27	21.22	21.22	
10	64QAM	1	25	21.27	21.22	21.22	
10	64QAM	1	49	21.33	21.21	21.23	22.2
10	64QAM	25	0	20.62	20.41	20.39	
10	64QAM	25	12	20.58	20.44	20.35	
10	64QAM	25	24	20.55	20.42	20.38	20.2
10	64QAM	50	0	20.55	20.38	20.37	
10	256QAM	1	0	18.39	18.31	18.32	
10	256QAM	1	25	18.28	18.24	18.21	20.2
10	256QAM	1	49	18.31	18.24	18.22	
10	256QAM	25	0	18.84	18.42	18.46	
10	256QAM	25	12	18.94	18.43	18.35	20.2
10	256QAM	25	24	18.96	18.35	18.24	
10	256QAM	50	0	18.98	18.41	18.45	
Channel				2177.5	2097.5	3017.5	
Frequency (MHz)				2177.5	2177.5	2177.5	
5	QPSK	1	0	21.39	21.24	21.25	20.2
5	QPSK	1	12	21.41	21.29	21.29	
5	QPSK	1	24	21.32	21.21	21.21	
5	QPSK	12	0	22.56	22.34	22.31	24.2
5	QPSK	12	6	22.48	22.35	22.35	
5	QPSK	12	13	22.65	22.32	22.38	
5	QPSK	25	0	22.53	22.41	22.37	24.2
5	16QAM	1	0	22.47	22.42	22.36	
5	16QAM	1	12	22.44	22.44	22.38	
5	16QAM	1	24	22.54	22.45	22.39	23.2
5	16QAM	12	0	21.54	21.43	21.37	
5	16QAM	12	7	21.59	21.39	21.44	
5	16QAM	12	13	21.59	21.43	21.39	23.2
5	16QAM	25	0	21.59	21.40	21.34	
5	64QAM	1	0	21.20	21.25	21.22	
5	64QAM	1	12	21.31	21.23	21.23	22.2
5	64QAM	1	24	21.39	21.23	21.21	
5	64QAM	12	0	20.64	20.35	20.38	
5	64QAM	12	7	20.66	20.37	20.35	22.2
5	64QAM	12	13	20.63	20.40	20.38	
5	64QAM	25	0	20.60	20.35	20.42	
5	256QAM	1	0	18.45	18.37	18.34	20.2
5	256QAM	1	12	18.38	18.24	18.27	
5	256QAM	1	24	18.28	18.20	18.22	
5	256QAM	12	0	18.63	18.51	18.46	20.2
5	256QAM	12	7	18.63	18.42	18.42	
5	256QAM	12	13	18.66	18.39	18.27	
5	256QAM	25	0	18.52	18.39	18.46	

Band 38_Ant 2							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (ms)
Channel				31850	36000	38150	
Frequency (MHz)				2460	2560	2660	
20	QPSK	1	0	24.68	24.63	24.52	20.7
20	QPSK	1	49	24.69	24.64	24.52	
20	QPSK	1	96	24.68	24.63	24.48	
20	QPSK	50	0	23.87	23.70	23.69	24.7
20	QPSK	50	24	23.86	23.70	23.68	
20	QPSK	50	50	23.87	23.70	23.69	
20	QPSK	100	0	23.88	23.71	23.68	24.7
20	16QAM	1	0	23.81	23.74	23.67	
20	16QAM	1	49	23.79	23.72	23.61	
20	16QAM	1	96	23.81	23.69	23.61	23.7
20	16QAM	50	0	22.91	22.76	22.73	
20	16QAM	50	24	22.90	22.75	22.70	
20	16QAM	50	50	22.90	22.75	22.68	23.7
20	16QAM	100	0	22.89	22.74	22.70	
20	64QAM	1	0	22.87	22.41	22.42	22.7
20	64QAM	1	49	22.83	22.46	22.36	
20	64QAM	1	96	22.86	22.39	22.42	
20	64QAM	50	0	22.40	21.76	21.71	22.7
20	64QAM	50	24	22.05	21.77	21.70	
20	64QAM	50	50	22.62	21.74	21.70	
20	256QAM	1	0	19.77	19.78	19.81	20.7
20	256QAM	1	49	19.70	19.68	19.59	
20	256QAM	1	96	19.73	19.57	19.54	
20	256QAM	50	0	20.07	19.96	19.87	20.7
20	256QAM	50	24	20.02	19.92	19.83	
20	256QAM	50	50	20.01	19.83	19.87	
20	256QAM	100	0	20.03	19.92	19.81	
Channel				2177.5	2500	2822.5	
Frequency (MHz)				2477.5	2450	2430	
15	QPSK	1	0	24.60	24.52	24.39	
15	QPSK	1	37	24.05	24.50	24.35	24.7
15	QPSK	1	74	24.59	24.52	24.38	
15	QPSK	36	0	23.77	23.63	23.58	
15	QPSK	36	20	23.80	23.73	23.58	24.7
15	QPSK	36	39	23.75	23.61	23.58	
15	QPSK	75	0	23.78	23.63	23.58	
15	16QAM	1	0	23.78	23.68	23.58	24.7
15	16QAM	1	37	23.60	23.50	23.43	
15	16QAM	1	74	23.74	23.63	23.54	
15	16QAM	36	0	22.78	22.64	22.55	23.7
15	16QAM	36	20	22.74	22.68	22.54	
15	16QAM	36	39	22.74	22.58	22.54	
15	16QAM	75	0	22.79	22.65	22.60	23.7
15	64QAM	1	0	22.80	22.30	22.30	
15	64QAM	1	37	22.44	22.37	22.23	
15	64QAM	1	74	22.44	22.29	22.26	22.7
15	64QAM	36	0	21.82	21.87	21.81	
15	64QAM	36	20	21.80	21.73	21.61	
15	64QAM	36	39	21.81	21.65	21.58	20.7
15	64QAM	75	0	21.81	21.65	21.61	
15	256QAM	1	0	19.72	19.72	19.72	
15	256QAM	1	37	19.07	19.05	19.05	20.7
15	256QAM	1	74	19.72	19.55	19.49	
15	256QAM	36	0	19.08	19.00	19.00	
15	256QAM	36	20	19.05	18.86	19.01	20.7
15	256QAM	36	39	19.08	19.03	19.04	
15	256QAM	75	0	19.09	19.01	19.00	
Channel				31850	36000	38050	
Frequency (MHz)				2477.5	2500	2622.5	
10	QPSK	1	0	24.63	24.61	24.42	20.7
10	QPSK	1	25	24.61	24.55	24.41	
10	QPSK	1	49	24.67	24.67	24.42	
10	QPSK	25	0	23.74	23.59	23.52	24.7
10	QPSK	25	12	23.75	23.69	23.52	
10	QPSK	25	24	23.74	23.60	23.51	
10	QPSK	50	0	23.75	23.61	23.53	24.7
10	16QAM	1	0	23.81	23.68	23.52	
10	16QAM	1	25	23.72	23.64	23.51	
10	16QAM	1	49	23.79	23.68	23.47	23.7
10	16QAM	25	0	22.74	22.59	22.53	
10	16QAM	25	12	22.76	22.72	22.58	
10	16QAM	25	24	22.74	22.67	22.48	23.7
10	64QAM	1	0	22.67	22.39	22.32	
10	64QAM	1	24	22.54	22.43	22.30	
10	64QAM	1	49	22.50	22.39	22.30	22.7
10	64QAM	25	0	21.81	21.87	21.81	
10	64QAM	25	12	21.83	21.75	21.63	
10	64QAM	25	24	21.82	21.78	21.60	20.7
10	64QAM	50	0	21.76	21.60	21.57	
10	256QAM	1	0	19.09	19.72	19.79	
10	256QAM	1	25	19.05	19.59	19.58	20.7
10	256QAM	1	49	19.09	19.52	19.48	
10	256QAM	25	0	19.08	19.00	19.01	
10	256QAM	25	12	19.04	19.03	19.00	20.7
10	256QAM	25	24	19.01	19.70	19.62	
10	256QAM	50	0	20.01	19.84	19.86	
Channel				2572.5	2600	2627.5	
Frequency (MHz)				2572.5	2550	2537.5	
5	QPSK	1	0	24.58	24.53	24.37	20.7
5	QPSK	1	12	24.54	24.40	24.35	
5	QPSK	1	24	24.59	24.52	24.33	
5	QPSK	12	0	23.68	23.54	23.48	24.7
5	QPSK	12	6	23.72	23.64	23.50	
5	QPSK	12	13	23.71	23.66	23.49	
5	QPSK	25	0	23.72	23.65	23.45	24.7
5	16QAM	1	0	23.72	23.67	23.52	
5	16QAM	1	12	23.75	23.68	23.50	
5	16QAM	1	24	23.75	23.68	23.52	23.7
5	16QAM	12	0	22.67	22.60	22.46	
5	16QAM	12	7	22.72	22.69	22.47	
5	16QAM	12	13	22.67	22.62	22.45	23.7
5	16QAM	25	0	22.73	22.68	22.52	
5	64QAM	1	0	22.81	22.43	22.25	
5	64QAM	1	12	22.84	22.44	22.30	22.7
5	64QAM	1	24	22.84	22.45	22.28	
5	64QAM	12	0	21.76	21.71	21.53	
5	64QAM	12	7	21.77	21.70	21.55	22.7
5	64QAM	12	13	21.76	21.70	21.51	
5	64QAM	25	0	21.79	21.70	21.55	
5	256QAM	1	0	19.67	19.77	19.81	20.7
5	256QAM	1	12	19.64	19.63	19.56	
5	256QAM	1	24	19.72	19.55	19.49	
5	256QAM	12	0	20.02	19.95	19.87	20.7
5	256QAM	12	7	19.97	19.85	19.83	
5	256QAM	12	13	19.99	19.80	19.77	
5	256QAM	25	0	19.98	19.87	19.82	

Band 38_Ant 0							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	30000	38150	
Frequency (MHz)				2360	2360	2360	
20	QPSK	1	0	23.42	23.33	23.25	20.2
20	QPSK	1	49	23.42	23.33	23.27	
20	QPSK	1	96	23.40	23.38	23.29	
20	QPSK	50	0	22.59	22.42	22.40	24.2
20	QPSK	50	24	22.55	22.42	22.42	
20	QPSK	50	50	22.55	22.42	22.40	
20	QPSK	100	0	22.58	22.41	22.42	24.2
20	16QAM	1	0	22.57	22.48	22.40	
20	16QAM	1	49	22.52	22.48	22.37	
20	16QAM	1	96	22.57	22.47	22.44	23.2
20	16QAM	50	0	21.62	21.45	21.44	
20	16QAM	50	24	21.59	21.44	21.44	
20	16QAM	50	50	21.50	21.44	21.45	23.2
20	16QAM	100	0	21.59	21.44	21.44	
20	64QAM	1	0	21.28	21.22	21.22	23.2
20	64QAM	1	49	21.33	21.29	21.25	
20	64QAM	1	96	21.37	21.29	21.29	
20	64QAM	50	0	20.40	20.40	20.40	22.2
20	64QAM	50	24	20.03	20.47	20.45	
20	64QAM	50	50	20.09	20.45	20.44	
20	64QAM	100	0	20.00	20.42	20.44	20.2
20	256QAM	1	0	18.46	18.38	18.36	
20	256QAM	1	49	18.35	18.26	18.27	
20	256QAM	1	96	18.34	18.15	18.14	20.2
20	256QAM	50	0	18.71	18.52	18.50	
20	256QAM	50	24	18.66	18.51	18.51	
20	256QAM	50	50	18.63	18.39	18.33	20.2
20	256QAM	100	0	18.62	18.47	18.46	
Channel				3177.5	2997.5	3812.5	
Frequency (MHz)				2377.5	2377.5	2377.5	
15	QPSK	1	0	23.38	23.28	23.21	20.2
15	QPSK	1	37	23.40	23.38	23.27	
15	QPSK	1	74	23.34	23.23	23.27	
15	QPSK	36	0	22.56	22.34	22.34	24.2
15	QPSK	36	20	22.55	22.39	22.39	
15	QPSK	36	39	22.48	22.42	22.30	
15	QPSK	75	0	22.49	22.31	22.40	24.2
15	16QAM	1	0	22.47	22.40	22.34	
15	16QAM	1	37	22.42	22.38	22.28	
15	16QAM	1	74	22.54	22.35	22.37	23.2
15	16QAM	36	0	21.59	21.41	21.44	
15	16QAM	36	20	21.48	21.37	21.41	
15	16QAM	36	39	21.58	21.37	21.39	23.2
15	16QAM	75	0	21.51	21.44	21.38	
15	64QAM	1	0	21.25	21.23	21.21	
15	64QAM	1	37	21.31	21.23	21.22	23.2
15	64QAM	1	74	21.32	21.20	21.20	
15	64QAM	36	0	20.57	20.44	20.40	
15	64QAM	36	20	20.61	20.43	20.37	22.2
15	64QAM	36	39	20.50	20.45	20.37	
15	64QAM	75	0	20.54	20.37	20.39	
15	256QAM	1	0	18.37	18.27	18.27	20.2
15	256QAM	1	37	18.31	18.25	18.25	
15	256QAM	1	74	18.32	18.23	18.23	
15	256QAM	36	0	18.41	18.42	18.46	20.2
15	256QAM	36	20	18.43	18.47	18.45	
15	256QAM	36	39	18.53	18.38	18.31	
15	256QAM	75	0	18.41	18.47	18.38	20.2
Channel				31850	30000	38000	
Frequency (MHz)				2375	2375	2375	
10	QPSK	1	0	23.38	23.27	23.21	20.2
10	QPSK	1	25	23.34	23.34	23.27	
10	QPSK	1	49	23.31	23.38	23.24	
10	QPSK	25	0	22.55	22.41	22.36	24.2
10	QPSK	25	12	22.53	22.39	22.33	
10	QPSK	25	24	22.53	22.39	22.35	
10	QPSK	50	0	22.51	22.38	22.36	24.2
10	16QAM	1	0	22.47	22.38	22.31	
10	16QAM	1	25	22.44	22.39	22.37	
10	16QAM	1	49	22.54	22.46	22.34	23.2
10	16QAM	25	0	21.59	21.43	21.42	
10	16QAM	25	12	21.55	21.35	21.34	
10	16QAM	25	24	21.53	21.44	21.44	23.2
10	64QAM	1	0	21.27	21.22	21.22	
10	64QAM	1	25	21.27	21.22	21.22	
10	64QAM	1	49	21.33	21.21	21.23	22.2
10	64QAM	25	0	20.62	20.41	20.39	
10	64QAM	25	12	20.58	20.44	20.35	
10	64QAM	25	24	20.55	20.42	20.38	20.2
10	64QAM	50	0	20.55	20.38	20.37	
10	256QAM	1	0	18.39	18.31	18.32	
10	256QAM	1	25	18.28	18.24	18.21	20.2
10	256QAM	1	49	18.31	18.24	18.22	
10	256QAM	25	0	18.64	18.42	18.46	
10	256QAM	25	12	18.64	18.43	18.35	20.2
10	256QAM	25	24	18.58	18.35	18.24	
10	256QAM	50	0	18.58	18.41	18.45	
Channel				2422.5	2000	3017.5	
Frequency (MHz)				2372.5	2372.5	2372.5	
5	QPSK	1	0	23.39	23.24	23.25	20.2
5	QPSK	1	12	23.41	23.29	23.29	
5	QPSK	1	24	23.32	23.21	23.21	
5	QPSK	12	0	22.56	22.34	22.31	24.2
5	QPSK	12	6	22.48	22.35	22.35	
5	QPSK	12	13	22.65	22.32	22.38	
5	QPSK	25	0	22.53	22.41	22.37	24.2
5	16QAM	1	0	22.47	22.42	22.36	
5	16QAM	1	12	22.44	22.44	22.38	
5	16QAM	1	24	22.54	22.45	22.39	23.2
5	16QAM	12	0	21.54	21.43	21.37	
5	16QAM	12	7	21.59	21.39	21.44	
5	16QAM	12	13	21.59	21.43	21.39	23.2
5	16QAM	25	0	21.59	21.40	21.34	
5	64QAM	1	0	21.20	21.25	21.22	
5	64QAM	1	12	21.31	21.23	21.23	22.2
5	64QAM	1	24	21.30	21.23	21.21	
5	64QAM	12	0	20.64	20.35	20.38	
5	64QAM	12	7	20.56	20.37	20.35	22.2
5	64QAM	12	13	20.53	20.40	20.38	
5	64QAM	25	0	20.60	20.35	20.42	
5	256QAM	1	0	18.45	18.37	18.34	20.2
5	256QAM	1	12	18.28	18.24	18.27	
5	256QAM	1	24	18.28	18.20	18.22	
5	256QAM	12	0	18.63	18.51	18.46	20.2
5	256QAM	12	7	18.63	18.42	18.42	
5	256QAM	12	13	18.56	18.39	18.27	
5	256QAM	25	0	18.52	18.39	18.46	



Band 48_Ant 2										
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Take-up time (dBm)		
Channel				5540	5580	5616	5660			
Frequency (MHz)				5600	5600	5641	5693			
20	QPSK	1	0	24.39	24.55	24.82	24.65	25.7		
20	QPSK	1	49	24.27	24.36	24.46	24.47			
20	QPSK	1	96	24.31	24.36	24.42	24.47			
20	QPSK	50	0	23.47	23.67	23.80	23.61			
20	QPSK	50	24	23.46	23.54	23.55	23.65	24.7		
20	QPSK	50	50	23.40	23.47	23.54	23.57			
20	QPSK	100	0	23.43	23.52	23.52	23.54			
20	16QAM	1	0	23.58	23.67	23.75	23.76			
20	16QAM	1	49	23.37	23.44	23.52	23.55	24.7		
20	16QAM	1	96	23.59	23.63	23.64	23.57			
20	16QAM	50	0	23.50	23.55	23.61	23.62			
20	16QAM	50	24	22.47	22.46	22.56	22.60			
20	16QAM	50	50	22.43	22.46	22.56	22.60	23.7		
20	16QAM	100	0	22.43	22.54	22.65	22.64			
20	64QAM	1	0	22.25	22.38	22.43	22.43			
20	64QAM	1	49	22.12	22.20	22.29	22.30			
20	64QAM	1	96	22.12	22.19	22.31	22.32	23.7		
20	64QAM	50	0	2	2	2	2			
20	64QAM	50	24	21.49	21.53	21.57	21.65			
20	64QAM	50	50	21.42	21.49	21.59	21.59			
20	64QAM	100	0	21.47	21.54	21.53	21.60	22.7		
20	256QAM	1	0	18.91	19.04	19.11	19.31			
20	256QAM	1	49	18.81	19.04	19.11	19.31			
20	256QAM	1	96	19.01	19.16	19.31	19.45			
20	256QAM	50	0	19.17	19.38	19.38	19.60	20.7		
20	256QAM	50	24	19.10	19.38	19.38	19.60			
20	256QAM	50	50	19.21	19.35	19.49	19.68			
20	256QAM	100	0	19.13	19.34	19.36	19.61			
Channel				5611	5650	5687	5731	Take-up time (dBm)		
Frequency (MHz)				5671.5	5688	5692	5693.5			
15	QPSK	1	0	24.36	24.44	24.53	24.57	25.7		
15	QPSK	1	37	24.24	24.33	24.40	24.46			
15	QPSK	1	74	24.28	24.33	24.42	24.61			
15	QPSK	36	0	23.44	23.52	23.55	23.57			
15	QPSK	36	20	23.39	23.49	23.57	23.58	24.7		
15	QPSK	36	39	23.37	23.43	23.54	23.59			
15	QPSK	75	0	23.42	23.52	23.61	23.65			
15	16QAM	1	0	23.48	23.57	23.65	23.67			
15	16QAM	1	37	23.37	23.38	23.48	23.49	24.7		
15	16QAM	1	74	23.44	23.45	23.59	23.64			
15	16QAM	36	0	22.41	22.55	22.52	22.55			
15	16QAM	36	20	22.37	22.44	22.54	22.53			
15	16QAM	36	39	22.34	22.40	22.50	22.52	23.7		
15	16QAM	75	0	22.42	22.57	22.61	22.59			
15	64QAM	1	0	22.29	22.31	22.32	22.38			
15	64QAM	1	37	22.09	22.16	22.26	22.31			
15	64QAM	1	74	22.16	22.26	22.36	22.36	23.7		
15	64QAM	36	0	21.45	21.55	21.57	21.61			
15	64QAM	36	20	21.40	21.49	21.59	21.54			
15	64QAM	36	39	21.40	21.45	21.55	21.58			
15	64QAM	75	0	21.43	21.50	21.54	21.55	22.7		
15	256QAM	1	0	18.86	19.07	19.07	19.32			
15	256QAM	1	37	18.77	19.04	19.10	19.35			
15	256QAM	1	74	18.97	19.15	19.24	19.40			
15	256QAM	36	0	19.13	19.30	19.31	19.45	20.7		
15	256QAM	36	20	19.14	19.38	19.32	19.62			
15	256QAM	36	39	19.11	19.35	19.46	19.64			
15	256QAM	75	0	19.04	19.24	19.39	19.59			
Channel				5690	5693	5696	5699	Take-up time (dBm)		
Frequency (MHz)				5692	5693	5693.5	5694.5			
10	QPSK	1	0	24.34	24.37	24.52	24.57	25.7		
10	QPSK	1	25	24.14	24.29	24.34	24.39			
10	QPSK	1	49	24.25	24.24	24.43	24.43			
10	QPSK	25	0	23.41	23.44	23.53	23.48			
10	QPSK	25	12	23.36	23.39	23.53	23.47	24.7		
10	QPSK	25	24	23.38	23.38	23.53	23.53			
10	QPSK	50	0	23.32	23.43	23.44	23.63			
10	16QAM	1	0	23.30	23.57	23.58	23.66			
10	16QAM	1	25	23.19	23.34	23.37	23.48	24.7		
10	16QAM	1	49	23.59	23.47	23.49	23.54			
10	16QAM	25	0	22.38	22.44	22.48	22.55			
10	16QAM	25	12	22.35	22.35	22.49	22.40			
10	16QAM	25	24	22.34	22.40	22.46	22.50	23.7		
10	16QAM	50	0	22.41	22.51	22.49	22.48			
10	64QAM	1	0	22.11	22.26	22.28	22.30			
10	64QAM	1	25	21.90	22.11	22.28	22.29			
10	64QAM	1	49	22.08	22.14	22.34	22.32	23.7		
10	64QAM	25	0	21.35	21.47	21.48	21.58			
10	64QAM	25	12	21.31	21.52	21.52	21.45			
10	64QAM	25	25	21.37	21.38	21.55	21.58			
10	64QAM	50	0	21.36	21.45	21.49	21.48	22.7		
10	256QAM	1	0	19.89	19.12	19.02	19.38			
10	256QAM	1	25	18.73	19.01	19.09	19.23			
10	256QAM	1	49	19.06	19.10	19.25	19.30			
10	256QAM	25	0	19.14	19.31	19.31	19.51	20.7		
10	256QAM	25	12	19.15	19.28	19.38	19.60			
10	256QAM	25	25	19.14	19.26	19.46	19.63			
10	256QAM	50	0	19.07	19.29	19.32	19.61			
Channel				5692	5693	5694	5695.5	Take-up time (dBm)		
Frequency (MHz)				5692.5	5693	5693.5	5693.5			
5	QPSK	1	0	24.34	24.42	24.53	24.61	25.7		
5	QPSK	1	12	24.22	24.33	24.42	24.47			
5	QPSK	1	24	24.29	24.36	24.44	24.55			
5	QPSK	12	0	23.41	23.50	23.54	23.57			
5	QPSK	12	13	23.42	23.45	23.59	23.63	24.7		
5	QPSK	25	0	23.40	23.49	23.58	23.65			
5	16QAM	1	0	23.47	23.57	23.65	23.75			
5	16QAM	1	12	23.45	23.53	23.60	23.67			
5	16QAM	1	24	23.50	23.57	23.65	23.69	23.7		
5	16QAM	12	0	22.39	22.48	22.59	22.63			
5	16QAM	12	7	22.39	22.49	22.54	22.65			
5	16QAM	12	13	22.37	22.47	22.51	22.64			
5	16QAM	25	0	22.44	22.53	22.62	22.68	23.7		
5	64QAM	1	0	22.30	22.38	22.41	22.44			
5	64QAM	1	12	22.12	22.21	22.32	22.38			
5	64QAM	1	24	22.19	22.28	22.41	22.47	22.7		
5	64QAM	12	0	21.48	21.54	21.66	21.71			
5	64QAM	12	7	21.44	21.49	21.62	21.65			
5	64QAM	12	13	21.43	21.47	21.50	21.62			
5	64QAM	25	0	21.47	21.52	21.61	21.71	20.7		
5	256QAM	1	0	19.90	19.14	19.11	19.24			
5	256QAM	1	12	19.71	19.03	19.09	19.23			
5	256QAM	1	24	19.69	19.14	19.30	19.37			
5	256QAM	12	0	19.10	19.29	19.34	19.46	20.7		
5	256QAM	12	7	19.15	19.37	19.39	19.61			
5	256QAM	12	13	19.13	19.36	19.43	19.64			
5	256QAM	25	0	19.11	19.34	19.33	19.58			

Band 38_Ant 2							
SR (MHz)	Modulation	RB Size	RB Offset	Power Lwr Ch / Freq	Power Hwr Ch / Freq	Power Twr Ch / Freq	Tot-up time (min)
Channel				31850	36000	38150	
Frequency (MHz)				2460	2560	2660	
20	QPSK	1	0	24.68	24.63	24.52	20.7
20	QPSK	1	49	24.69	24.64	24.52	
20	QPSK	1	96	24.68	24.63	24.48	
20	QPSK	50	0	23.87	23.70	23.69	24.7
20	QPSK	50	24	23.86	23.70	23.68	
20	QPSK	50	50	23.87	23.70	23.69	
20	QPSK	100	0	23.88	23.71	23.68	24.7
20	16QAM	1	0	23.81	23.74	23.67	
20	16QAM	1	49	23.79	23.72	23.61	
20	16QAM	1	96	23.81	23.69	23.61	23.7
20	16QAM	50	0	22.91	22.76	22.73	
20	16QAM	50	24	22.90	22.75	22.70	
20	16QAM	50	50	22.90	22.75	22.68	23.7
20	16QAM	100	0	22.89	22.73	22.70	
20	64QAM	1	0	23.57	22.41	22.42	23.7
20	64QAM	1	49	23.53	22.46	22.36	
20	64QAM	1	96	23.58	22.39	22.42	
20	64QAM	50	0	22.40	21.76	21.70	22.7
20	64QAM	50	24	22.05	21.77	21.70	
20	64QAM	50	50	22.02	21.74	21.70	
20	256QAM	1	0	19.77	19.78	19.81	20.7
20	256QAM	1	49	19.70	19.68	19.59	
20	256QAM	1	96	19.73	19.57	19.54	
20	256QAM	50	0	20.07	19.96	19.97	20.7
20	256QAM	50	24	20.02	19.92	19.93	
20	256QAM	50	50	20.01	19.83	19.87	
20	256QAM	100	0	20.03	19.92	19.91	
Channel				2577.5	2590	2612.5	
Frequency (MHz)				24.60	24.52	24.59	
15	QPSK	1	0	24.60	24.52	24.59	20.7
15	QPSK	1	37	24.60	24.50	24.30	
15	QPSK	1	74	24.59	24.52	24.38	
15	QPSK	36	0	23.77	23.63	23.58	24.7
15	QPSK	36	20	23.80	23.73	23.58	
15	QPSK	36	39	23.75	23.61	23.58	
15	QPSK	75	0	23.78	23.63	23.58	24.7
15	16QAM	1	0	23.78	23.68	23.58	
15	16QAM	1	37	23.60	23.50	23.34	
15	16QAM	1	74	23.74	23.63	23.54	23.7
15	16QAM	36	0	22.78	22.64	22.55	
15	16QAM	36	20	22.74	22.68	22.54	
15	16QAM	36	39	22.74	22.58	22.54	23.7
15	16QAM	75	0	22.79	22.65	22.60	
15	64QAM	1	0	22.90	22.30	22.30	
15	64QAM	1	37	22.44	22.37	22.23	22.7
15	64QAM	1	74	22.44	22.29	22.26	
15	64QAM	36	0	21.82	21.87	21.81	
15	64QAM	36	20	21.80	21.73	21.61	22.7
15	64QAM	36	39	21.81	21.65	21.58	
15	64QAM	75	0	21.81	21.65	21.61	
15	256QAM	1	0	19.72	19.72	19.72	20.7
15	256QAM	1	37	19.07	19.05	19.05	
15	256QAM	1	74	19.72	19.55	19.49	
15	256QAM	36	0	19.08	19.00	19.00	20.7
15	256QAM	36	20	19.05	18.96	19.01	
15	256QAM	36	39	19.08	19.03	19.04	
15	256QAM	75	0	19.09	19.01	19.09	
Channel				31850	36000	38050	
Frequency (MHz)				24.63	24.61	24.42	
10	QPSK	1	0	24.63	24.61	24.42	20.7
10	QPSK	1	25	24.61	24.55	24.41	
10	QPSK	1	49	24.67	24.67	24.43	
10	QPSK	25	0	23.74	23.59	23.52	24.7
10	QPSK	25	12	23.75	23.69	23.52	
10	QPSK	25	24	23.74	23.69	23.51	
10	QPSK	50	0	23.75	23.61	23.53	24.7
10	16QAM	1	0	23.81	23.68	23.52	
10	16QAM	1	25	23.72	23.64	23.51	
10	16QAM	1	49	23.79	23.68	23.47	23.7
10	16QAM	25	0	22.74	22.69	22.53	
10	16QAM	25	12	22.76	22.72	22.58	
10	16QAM	25	24	22.74	22.67	22.48	23.7
10	64QAM	1	0	22.67	22.39	22.32	
10	64QAM	1	24	22.54	22.43	22.30	
10	64QAM	1	49	22.50	22.39	22.30	22.7
10	64QAM	25	0	21.81	21.87	21.81	
10	64QAM	25	12	21.83	21.75	21.63	
10	64QAM	25	24	21.82	21.78	21.60	20.7
10	64QAM	50	0	21.76	21.60	21.57	
10	256QAM	1	0	19.09	19.72	19.79	
10	256QAM	1	25	19.05	19.00	19.08	20.7
10	256QAM	1	49	19.09	19.52	19.48	
10	256QAM	25	0	19.08	19.00	19.01	
10	256QAM	25	12	19.04	19.03	19.00	20.7
10	256QAM	25	24	19.01	19.76	19.82	
10	256QAM	50	0	20.01	19.84	19.86	
Channel				2572.5	2590	2611.5	
Frequency (MHz)				24.58	24.53	24.37	
5	QPSK	1	0	24.58	24.53	24.37	20.7
5	QPSK	1	12	24.54	24.40	24.35	
5	QPSK	1	24	24.59	24.52	24.33	
5	QPSK	12	0	23.68	23.54	23.48	24.7
5	QPSK	12	6	23.72	23.64	23.50	
5	QPSK	12	13	23.71	23.66	23.49	
5	QPSK	25	0	23.72	23.65	23.45	24.7
5	16QAM	1	0	23.72	23.67	23.52	
5	16QAM	1	12	23.75	23.68	23.50	
5	16QAM	1	24	23.75	23.68	23.52	23.7
5	16QAM	12	0	22.67	22.60	22.46	
5	16QAM	12	7	22.72	22.69	22.47	
5	16QAM	12	13	22.67	22.62	22.45	23.7
5	16QAM	25	0	22.73	22.68	22.52	
5	64QAM	1	0	22.81	22.43	22.25	
5	64QAM	1	12	22.54	22.44	22.30	22.7
5	64QAM	1	24	22.54	22.45	22.28	
5	64QAM	12	0	21.76	21.71	21.53	
5	64QAM	12	7	21.77	21.70	21.55	22.7
5	64QAM	12	13	21.76	21.70	21.51	
5	64QAM	25	0	21.79	21.70	21.55	
5	256QAM	1	0	19.67	19.77	19.81	20.7
5	256QAM	1	12	19.64	19.63	19.56	
5	256QAM	1	24	19.72	19.55	19.49	
5	256QAM	12	0	20.02	19.95	19.87	20.7
5	256QAM	12	7	19.97	19.85	19.83	
5	256QAM	12	13	19.99	19.80	19.77	
5	256QAM	25	0	19.98	19.87	19.82	



Band 41 HPUE_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power Prime Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up limit (sec)
Channel				39750	40180	40610	41050	41505	41960		
Frequency (MHz)				2560	2560	2560	2560	2560	2560		
20	QPSK	1	0	26.30	26.30	26.30	26.30	26.30	26.30	27.5	
20	QPSK	1	49	26.37	26.36	26.36	26.34	26.34	26.34		
20	QPSK	50	0	25.57	25.64	25.54	25.60	25.60	25.60	26.5	
20	QPSK	50	24	25.57	25.67	25.67	25.77	25.77	25.69		
20	QPSK	50	50	25.57	25.68	25.54	25.60	25.60	25.60		
20	QPSK	100	0	25.57	25.68	25.54	25.63	25.63	25.63	26.5	
20	HQAM	1	0	26.47	26.72	26.71	26.87	26.87	26.87		
20	HQAM	1	49	25.96	25.72	25.63	25.89	25.89	25.89	26.5	
20	HQAM	1	99	25.84	25.73	25.63	25.49	25.49	25.49		
20	HQAM	50	0	24.81	24.66	24.57	24.63	24.63	24.63	26.5	
20	HQAM	50	24	24.81	24.68	24.58	24.81	24.81	24.81		
20	HQAM	50	50	24.81	24.70	24.58	24.65	24.65	24.65		
20	HQAM	100	0	24.62	24.68	24.58	24.67	24.67	24.67	26.5	
20	HQAM	1	0	24.48	24.50	24.40	24.46	24.46	24.46	26.5	
20	HQAM	1	49	24.51	24.58	24.46	24.85	24.85	24.85		
20	HQAM	1	99	24.50	24.61	24.52	24.38	24.38	24.38		
20	HQAM	50	0	23.81	23.68	23.57	23.63	23.63	23.63	24.5	
20	HQAM	50	24	23.53	23.70	23.58	23.77	23.77	23.77		
20	HQAM	50	50	23.63	23.71	23.58	23.88	23.88	23.88		
20	HQAM	100	0	23.62	23.60	23.57	23.68	23.68	23.68	24.5	
20	SSBQAM	1	0	21.75	21.79	21.84	21.77	21.77	21.77	22.5	
20	SSBQAM	1	49	21.84	21.68	21.70	21.92	21.92	21.92		
20	SSBQAM	1	99	21.73	21.77	21.75	21.49	21.49	21.84		
20	SSBQAM	50	0	21.89	21.91	21.91	21.92	21.92	21.92	22.5	
20	SSBQAM	50	24	21.88	21.86	21.82	21.81	21.81	21.81		
20	SSBQAM	50	50	21.81	21.86	21.85	21.82	21.82	21.82		
20	SSBQAM	100	0	21.84	21.83	21.85	21.88	21.88	21.88		
Channel				39750	40180	40610	41050	41505	41970		
Frequency (MHz)				2563.5	2563.5	2563.5	2563.5	2563.5	2563.5		
15	QPSK	1	0	26.33	26.41	26.36	26.49	26.49	26.25	27.5	
15	QPSK	1	37	26.34	26.43	26.33	26.51	26.51	26.25		
15	QPSK	1	74	26.38	26.52	26.42	26.40	26.40	26.24		
15	QPSK	50	0	25.47	25.61	25.54	25.63	25.63	25.59	26.5	
15	QPSK	50	25	25.56	25.63	25.55	25.68	25.68	25.59		
15	QPSK	50	50	25.56	25.63	25.52	25.65	25.65	25.61		
15	QPSK	1	0	25.56	25.63	25.53	25.63	25.63	25.59	26.5	
15	HQAM	1	0	25.49	25.71	25.67	25.78	25.78	25.78		
15	HQAM	1	37	25.59	25.68	25.58	25.86	25.86	25.74		
15	HQAM	1	74	25.89	25.82	25.71	25.70	25.70	25.68	26.5	
15	HQAM	50	0	24.46	24.58	24.50	24.63	24.63	24.63		
15	HQAM	50	25	24.53	24.58	24.50	24.65	24.65	24.61	26.5	
15	HQAM	50	50	24.55	24.62	24.50	24.66	24.66	24.60		
15	HQAM	75	0	24.57	24.63	24.53	24.63	24.63	24.58		
15	HQAM	1	0	24.41	24.51	24.40	24.61	24.61	24.58	26.5	
15	HQAM	1	37	24.51	24.58	24.48	24.61	24.61	24.51		
15	HQAM	1	74	24.51	24.71	24.60	24.51	24.51	24.58		
15	HQAM	50	0	23.49	23.62	23.55	23.65	23.65	23.54	24.5	
15	HQAM	50	20	23.58	23.68	23.54	23.70	23.70	23.56		
15	HQAM	50	50	23.58	23.65	23.54	23.69	23.69	23.49		
15	HQAM	75	0	23.58	23.66	23.55	23.65	23.65	23.58	22.5	
15	SSBQAM	1	0	21.85	21.79	21.80	21.85	21.85	21.85		
15	SSBQAM	1	37	21.55	21.64	21.55	21.62	21.62	21.55		
15	SSBQAM	1	74	21.71	21.71	21.67	21.48	21.48	21.84		
15	SSBQAM	50	0	21.85	21.81	21.80	21.85	21.85	21.74	22.5	
15	SSBQAM	50	20	21.81	21.78	21.88	21.86	21.86	21.86		
15	SSBQAM	50	50	21.75	21.76	21.85	21.75	21.75	21.86		
15	SSBQAM	75	0	21.80	21.78	21.88	21.85	21.85	21.71		
Channel				39750	40180	40610	41050	41505	41960		
Frequency (MHz)				2563	2563	2563	2563	2563	2563		
10	QPSK	1	0	26.30	26.35	26.40	26.29	26.29	26.24	27.5	
10	QPSK	1	25	26.33	26.42	26.32	26.53	26.53	26.40		
10	QPSK	1	49	26.43	26.51	26.33	26.40	26.40	26.32		
10	QPSK	25	0	25.65	25.63	25.54	25.64	25.64	25.59	26.5	
10	QPSK	25	12	25.67	25.67	25.59	25.60	25.60	25.67		
10	QPSK	25	24	25.57	25.65	25.54	25.72	25.72	25.67		
10	QPSK	50	0	25.57	25.68	25.54	25.73	25.73	25.67		
10	HQAM	1	0	25.77	25.77	25.75	25.86	25.86	25.80	26.5	
10	HQAM	1	25	25.71	25.80	25.71	25.92	25.92	25.77		
10	HQAM	1	49	25.74	25.84	25.71	25.71	25.71	25.52		
10	HQAM	25	0	24.54	24.62	24.58	24.68	24.68	24.64	26.5	
10	HQAM	25	12	24.59	24.70	24.61	24.66	24.66	24.71		
10	HQAM	50	0	24.55	24.63	24.53	24.73	24.73	24.58	26.5	
10	HQAM	50	0	24.59	24.70	24.63	24.76	24.76	24.61		
10	HQAM	1	0	24.88	24.65	24.64	24.52	24.52	24.48	26.5	
10	HQAM	1	25	24.84	24.60	24.61	24.50	24.50	24.52		
10	HQAM	1	49	24.65	24.75	24.62	24.60	24.60	24.21		
10	HQAM	25	0	23.85	23.70	23.64	23.72	23.72	23.63	24.5	
10	HQAM	25	12	23.87	23.75	23.67	23.91	23.91	23.59		
10	HQAM	50	25	23.63	23.73	23.62	23.79	23.79	23.48		
10	HQAM	50	0	23.59	23.66	23.61	23.77	23.77	23.48		
10	SSBQAM	1	0	21.89	21.71	21.77	21.67	21.67	21.64	22.5	
10	SSBQAM	1	25	21.64	21.60	21.70	21.59	21.59	21.83		
10	SSBQAM	1	49	21.65	21.75	21.66	21.47	21.47	21.78		
10	SSBQAM	25	0	21.88	21.81	21.80	21.89	21.89	21.73	22.5	
10	SSBQAM	25	12	21.80	21.86	21.86	21.94	21.94	21.87		
10	SSBQAM	50	0	21.82	21.83	21.80	21.85	21.85	21.73		
Channel				39750	40180	40610	41050	41505	41960		
Frequency (MHz)				2563.5	2563.5	2563.5	2563.5	2563.5	2563.5		
5	QPSK	1	0	26.38	26.43	26.36	26.53	26.53	26.46	27.5	
5	QPSK	1	15	26.38	26.46	26.40	26.52	26.52	26.46		
5	QPSK	1	24	26.40	26.43	26.34	26.51	26.51	26.38		
5	QPSK	12	0	25.66	25.62	25.52	25.72	25.72	25.67	26.5	
5	QPSK	12	7	25.51	25.64	25.55	25.75	25.75	25.67		
5	QPSK	12	13	25.57	25.64	25.55	25.78	25.78	25.64		
5	QPSK	25	0	25.52	25.61	25.54	25.66	25.66	25.59	26.5	
5	HQAM	1	0	25.76	25.78	25.72	25.84	25.84	25.78	26.5	
5	HQAM	1	12	25.70	25.80	25.73	25.91	25.91	25.74		
5	HQAM	1	24	25.72	25.81	25.76	25.90	25.90	25.73		
5	HQAM	12	0	24.59	24.64	24.58	24.76	24.76	24.65	26.5	
5	HQAM	12	7	24.62	24.69	24.64	24.76	24.76	24.72		
5	HQAM	12	13	24.58	24.67	24.60	24.80	24.80	24.64		
5	HQAM	25	0	24.60	24.65	24.60	24.78	24.78	24.66	26.5	
5	HQAM	1	0	24.61	24.68	24.60	24.78	24.78	24.66		
5	HQAM	1	12	24.60	24.69	24.61	24.84	24.84	24.52	26.5	
5	HQAM	1	24	24.63	24.71	24.66	24.82	24.82	24.64		
5	HQAM	12	0	23.80	23.86	23.87	23.78	23.78	23.59	24.5	
5	HQAM	12	7	23.85	23.73	23.65	23.82	23.82	23.58		
5	HQAM	12	13	23.55	23.70	23.60	23.83	23.83	23.53	24.5	
5	HQAM	25	0	23.80	23.70	23.63	23.81	23.81	23.53		
5	SSBQAM	1	0	21.74	21.71	21.75	21.74	21.74	21.45	22.5	
5	SSBQAM	1	15	21.59	21.68	21.66	21.91	21.91	21.77		
5	SSBQAM	1	24	21.68	21.67	21.67	21.49	21.49	21.77		
5	SSBQAM	12	0	21.81	21.80	21.85	21.89	21.89	21.71	22.5	
5	SSBQAM	12	7	21.88	21.79	21.81	21.83	21.83	21.83		
5	SSBQAM	12	13	21.71	21.78	21.75	21.75	21.75	21.82	22.5	

Band 48_Ant 7										
RB [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [dBm]	Power Mid Ch [dBm]	Power High Ch [dBm]	Power Avg Ch [dBm]	Take-up (dBm)		
Channel										
Frequency (MHz)				5540	5550	5610	5650			
20	QPSK	1	0	22.15	22.15	22.35	22.15	24.1		
20	QPSK	1	49	22.12	22.18	22.30	22.21			
20	QPSK	1	96	22.22	22.31	22.35	22.29			
20	QPSK	50	0	22.23	22.27	22.45	22.21			
20	QPSK	50	24	22.27	22.32	22.48	22.33	24.1		
20	QPSK	50	50	22.26	22.31	22.39	22.17			
20	16QAM	1	0	22.14	22.24	22.54	22.32			
20	16QAM	1	49	22.08	22.25	22.41	22.19			
20	16QAM	1	96	22.06	22.46	22.54	22.39	24.1		
20	16QAM	50	0	22.15	22.35	22.55	22.35			
20	16QAM	50	24	22.18	22.38	22.53	22.28			
20	16QAM	50	50	22.17	22.35	22.44	22.22			
20	16QAM	100	0	22.17	22.35	22.55	22.28	23.7		
20	64QAM	1	0	21.68	21.85	22.10	21.88			
20	64QAM	1	49	21.68	21.86	21.99	21.77			
20	64QAM	1	96	21.87	22.03	22.09	21.87	23.7		
20	64QAM	50	0	21.44	21.62	21.80	21.57			
20	64QAM	50	24	21.48	21.65	21.81	21.57			
20	64QAM	50	50	21.48	21.68	21.73	21.52	22.7		
20	64QAM	100	0	21.48	21.64	21.85	21.58			
20	256QAM	1	0	19.20	19.33	19.55	19.40			
20	256QAM	1	49	19.14	19.31	19.50	19.28	20.7		
20	256QAM	1	96	19.30	19.49	19.50	19.39			
20	256QAM	50	0	19.53	19.65	19.82	19.64			
20	256QAM	50	24	19.51	19.65	19.77	19.58			
20	256QAM	100	0	19.59	19.81	19.78	19.61			
Channel				5611	5650	5681	5720			
Frequency (MHz)				5671	5680	5682	5681	Take-up (dBm)		
15	QPSK	1	0	21.03	22.15	22.25	22.09	24.1		
15	QPSK	1	74	21.02	22.05	22.20	22.05			
15	QPSK	1	74	22.01	22.24	22.35	22.19			
15	QPSK	36	0	22.10	22.20	22.41	22.18	24.1		
15	QPSK	36	20	22.05	22.28	22.39	22.15			
15	QPSK	36	39	22.11	22.30	22.39	22.07			
15	QPSK	75	0	22.06	22.29	22.38	22.19	24.1		
15	16QAM	1	0	22.14	22.24	22.45	22.29			
15	16QAM	1	37	22.08	22.25	22.41	22.14			
15	16QAM	1	74	22.19	22.45	22.51	22.30	23.7		
15	16QAM	36	0	22.13	22.25	22.41	22.28			
15	16QAM	36	20	22.11	22.32	22.47	22.24			
15	16QAM	36	39	22.12	22.27	22.42	22.12	23.7		
15	16QAM	75	0	22.13	22.25	22.49	22.17			
15	64QAM	1	0	21.60	21.77	22.04	21.82			
15	64QAM	1	37	21.64	21.81	21.88	21.68	23.7		
15	64QAM	1	74	21.79	21.90	21.96	21.78			
15	64QAM	36	0	21.37	21.52	21.70	21.48			
15	64QAM	36	20	21.40	21.55	21.72	21.46	22.7		
15	64QAM	36	39	21.44	21.60	21.85	21.48			
15	64QAM	75	0	21.37	21.62	21.75	21.53			
15	256QAM	1	0	19.15	19.25	19.47	19.27	20.7		
15	256QAM	1	37	19.09	19.25	19.42	19.22			
15	256QAM	1	74	19.28	19.49	19.49	19.38			
15	256QAM	36	0	19.44	19.54	19.71	19.50	20.7		
15	256QAM	36	20	19.48	19.64	19.74	19.60			
15	256QAM	36	39	19.49	19.68	19.69	19.53			
15	256QAM	75	0	19.45	19.50	19.77	19.52			
Channel				5680	5680	5686	5680	Take-up (dBm)		
Frequency (MHz)				5680	5680	5681	5680			
10	QPSK	1	0	21.08	22.15	22.35	22.14	24.1		
10	QPSK	1	25	22.09	22.15	22.22	22.14			
10	QPSK	1	49	22.03	22.22	22.37	22.18			
10	QPSK	25	0	22.01	22.24	22.35	22.21	24.1		
10	QPSK	25	12	22.08	22.27	22.39	22.21			
10	QPSK	25	24	22.14	22.31	22.34	22.14			
10	QPSK	50	0	22.06	22.23	22.40	22.15	24.1		
10	16QAM	1	0	22.10	22.26	22.46	22.19			
10	16QAM	1	25	22.03	22.25	22.40	22.19			
10	16QAM	1	49	22.16	22.36	22.46	22.32	23.7		
10	16QAM	25	0	22.09	22.28	22.46	22.25			
10	16QAM	25	12	22.17	22.36	22.45	22.22			
10	16QAM	50	0	22.15	22.25	22.45	22.23	23.7		
10	64QAM	1	0	21.69	21.85	22.05	21.79			
10	64QAM	1	25	21.60	21.86	21.92	21.70	22.7		
10	64QAM	25	0	21.43	21.64	21.70	21.48			
10	64QAM	25	12	21.38	21.57	21.74	21.49			
10	64QAM	25	25	21.45	21.58	21.89	21.49	20.7		
10	64QAM	50	0	21.46	21.59	21.74	21.50			
10	256QAM	1	0	19.16	19.27	19.50	19.32			
10	256QAM	1	25	19.08	19.27	19.45	19.22	20.7		
10	256QAM	1	49	19.23	19.41	19.48	19.32			
10	256QAM	25	0	19.51	19.55	19.79	19.64			
10	256QAM	25	12	19.48	19.59	19.75	19.63	20.7		
10	256QAM	25	25	19.47	19.59	19.87	19.53			
10	256QAM	50	0	19.48	19.54	19.76	19.63			
Channel				5685	5685	5681	5685	Take-up (dBm)		
Frequency (MHz)				5685	5685	5681	5685			
5	QPSK	1	0	21.64	22.15	22.29	22.14	24.1		
5	QPSK	1	14	21.68	22.13	22.21	21.86			
5	QPSK	1	24	22.07	22.29	22.29	22.17			
5	QPSK	12	0	22.03	22.24	22.45	22.12	24.1		
5	QPSK	12	13	22.12	22.21	22.45	22.13			
5	QPSK	12	13	22.14	22.34	22.31	22.11			
5	QPSK	25	0	22.03	22.27	22.36	22.18	24.1		
5	16QAM	1	0	22.09	22.33	22.55	22.29			
5	16QAM	1	12	22.08	22.15	22.35	22.18	23.7		
5	16QAM	1	24	22.25	22.44	22.48	22.24			
5	16QAM	12	0	22.13	22.25	22.43	22.22			
5	16QAM	12	7	22.14	22.27	22.43	22.21	23.7		
5	16QAM	12	13	22.13	22.35	22.35	22.20			
5	16QAM	25	0	22.07	22.32	22.48	22.18	23.7		
5	64QAM	1	0	21.62	21.85	22.15	21.85			
5	64QAM	1	12	21.68	21.78	21.95	21.68	22.7		
5	64QAM	1	24	21.67	21.98	22.01	21.87			
5	64QAM	12	0	21.39	21.62	21.70	21.52			
5	64QAM	12	7	21.40	21.62	21.80	21.63	22.7		
5	64QAM	12	13	21.44	21.60	21.87	21.49			
5	64QAM	25	0	21.38	21.58	21.80	21.52			
5	256QAM	1	0	19.16	19.27	19.50	19.35	20.7		
5	256QAM	1	12	19.08	19.29	19.48	19.35			
5	256QAM	1	24	19.28	19.48	19.47	19.27			
5	256QAM	12	0	19.48	19.62	19.71	19.62	20.7		
5	256QAM	12	7	19.53	19.62	19.76	19.57			
5	256QAM	12	13	19.42	19.61	19.87	19.48			
5	256QAM	25	0	19.47	19.55	19.74	19.53			

Band 38_Ant 0							
SR (MHz)	Modulation	RB Size	RB Offset	Power Lwr Ch / Freq	Power Hwr Ch / Freq	Power Hwr Ch / Freq	Take-up time (min)
Channel				31850	30000	38150	
Frequency (MHz)				2300	2300	2300	
20	QPSK	1	0	23.42	23.33	23.25	20.2
20	QPSK	1	49	23.42	23.33	23.27	
20	QPSK	1	96	23.40	23.38	23.29	
20	QPSK	50	0	22.59	22.42	22.40	24.2
20	QPSK	50	24	22.55	22.42	22.42	
20	QPSK	50	50	22.55	22.42	22.40	
20	QPSK	100	0	22.58	22.41	22.42	24.2
20	16QAM	1	0	22.57	22.48	22.40	
20	16QAM	1	49	22.52	22.48	22.37	
20	16QAM	1	96	22.57	22.47	22.44	23.2
20	16QAM	50	0	21.62	21.45	21.44	
20	16QAM	50	24	21.59	21.44	21.44	
20	16QAM	50	50	21.50	21.44	21.45	23.2
20	16QAM	100	0	21.59	21.44	21.44	
20	64QAM	1	0	21.28	21.22	21.22	23.2
20	64QAM	1	49	21.33	21.29	21.25	
20	64QAM	1	96	21.37	21.29	21.29	
20	64QAM	50	0	20.60	20.46	20.44	22.2
20	64QAM	50	24	20.63	20.47	20.45	
20	64QAM	50	50	20.59	20.45	20.44	
20	64QAM	100	0	20.60	20.45	20.44	20.2
20	256QAM	1	0	18.46	18.38	18.36	
20	256QAM	1	49	18.35	18.26	18.27	
20	256QAM	1	96	18.34	18.15	18.14	20.2
20	256QAM	50	0	18.71	18.52	18.50	
20	256QAM	50	24	18.66	18.51	18.51	
20	256QAM	50	50	18.63	18.39	18.33	20.2
20	256QAM	100	0	18.62	18.47	18.46	
Channel				31850	30000	38150	
Frequency (MHz)				2177.5	2169	2175.5	
15	QPSK	1	0	21.38	21.28	21.21	20.2
15	QPSK	1	37	21.40	21.35	21.32	
15	QPSK	1	74	21.34	21.23	21.27	
15	QPSK	36	0	22.56	22.34	22.34	24.2
15	QPSK	36	20	22.55	22.39	22.39	
15	QPSK	36	39	22.48	22.42	22.30	
15	QPSK	75	0	22.49	22.31	22.40	24.2
15	16QAM	1	0	22.47	22.45	22.34	
15	16QAM	1	37	22.42	22.38	22.28	
15	16QAM	1	74	22.54	22.35	22.37	23.2
15	16QAM	36	0	21.59	21.41	21.44	
15	16QAM	36	20	21.48	21.37	21.41	
15	16QAM	36	39	21.58	21.37	21.39	23.2
15	16QAM	75	0	21.51	21.44	21.38	
15	64QAM	1	0	21.25	21.23	21.21	
15	64QAM	1	37	21.31	21.23	21.22	23.2
15	64QAM	1	74	21.32	21.20	21.23	
15	64QAM	36	0	20.57	20.44	20.40	
15	64QAM	36	20	20.61	20.43	20.37	22.2
15	64QAM	36	39	20.58	20.45	20.37	
15	64QAM	75	0	20.54	20.37	20.39	
15	256QAM	1	0	18.37	18.27	18.24	20.2
15	256QAM	1	37	18.31	18.25	18.25	
15	256QAM	1	74	18.32	18.23	18.23	
15	256QAM	36	0	18.43	18.42	18.46	20.2
15	256QAM	36	20	18.43	18.47	18.35	
15	256QAM	36	39	18.53	18.38	18.31	
15	256QAM	75	0	18.41	18.47	18.38	20.2
Channel				31850	30000	38150	
Frequency (MHz)				2177.5	2169	2175.5	
10	QPSK	1	0	21.38	21.27	21.21	20.2
10	QPSK	1	25	21.34	21.34	21.27	
10	QPSK	1	49	21.31	21.38	21.34	
10	QPSK	25	0	22.55	22.41	22.36	24.2
10	QPSK	25	12	22.53	22.39	22.33	
10	QPSK	25	24	22.53	22.39	22.35	
10	QPSK	50	0	22.51	22.38	22.36	24.2
10	16QAM	1	0	22.47	22.38	22.31	
10	16QAM	1	25	22.44	22.39	22.37	
10	16QAM	1	49	22.54	22.46	22.34	23.2
10	16QAM	25	0	21.59	21.43	21.42	
10	16QAM	25	12	21.55	21.35	21.34	
10	16QAM	25	24	21.53	21.44	21.44	23.2
10	64QAM	1	0	21.27	21.22	21.22	
10	64QAM	1	25	21.27	21.22	21.22	
10	64QAM	1	49	21.33	21.21	21.23	22.2
10	64QAM	25	0	20.62	20.41	20.39	
10	64QAM	25	12	20.58	20.44	20.35	
10	64QAM	25	24	20.55	20.42	20.38	20.2
10	64QAM	50	0	20.55	20.38	20.37	
10	256QAM	1	0	18.39	18.31	18.32	
10	256QAM	1	25	18.28	18.24	18.21	20.2
10	256QAM	1	49	18.31	18.24	18.22	
10	256QAM	25	0	18.64	18.42	18.46	
10	256QAM	25	12	18.64	18.43	18.35	20.2
10	256QAM	25	24	18.58	18.35	18.24	
10	256QAM	50	0	18.58	18.41	18.45	
Channel				2177.5	2169	2175.5	
Frequency (MHz)				2177.5	2169	2175.5	
5	QPSK	1	0	21.39	21.24	21.25	20.2
5	QPSK	1	12	21.41	21.29	21.29	
5	QPSK	1	24	21.32	21.21	21.21	
5	QPSK	12	0	22.56	22.34	22.31	24.2
5	QPSK	12	6	22.48	22.35	22.35	
5	QPSK	12	13	22.65	22.32	22.38	
5	QPSK	25	0	22.53	22.41	22.37	24.2
5	16QAM	1	0	22.47	22.42	22.36	
5	16QAM	1	12	22.44	22.44	22.38	
5	16QAM	1	24	22.54	22.45	22.39	23.2
5	16QAM	12	0	21.54	21.43	21.37	
5	16QAM	12	7	21.59	21.39	21.44	
5	16QAM	12	13	21.59	21.43	21.39	23.2
5	16QAM	25	0	21.59	21.40	21.34	
5	64QAM	1	0	21.30	21.25	21.22	
5	64QAM	1	12	21.31	21.23	21.23	22.2
5	64QAM	1	24	21.39	21.23	21.21	
5	64QAM	12	0	20.64	20.35	20.38	
5	64QAM	12	7	20.56	20.37	20.35	22.2
5	64QAM	12	13	20.53	20.45	20.38	
5	64QAM	25	0	20.60	20.35	20.42	
5	256QAM	1	0	18.45	18.37	18.34	20.2
5	256QAM	1	12	18.38	18.24	18.27	
5	256QAM	1	24	18.28	18.20	18.22	
5	256QAM	12	0	18.63	18.51	18.46	20.2
5	256QAM	12	7	18.63	18.42	18.42	
5	256QAM	12	13	18.56	18.39	18.27	
5	256QAM	25	0	18.52	18.39	18.46	

Band 41_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power Prime Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up Int (sec)
Channel				39750	40180	40610	41050	41490		
Frequency (MHz)				2560	26030	26460	26890	27320	27750	
20	QPSK	1	0	23.93	23.99	23.83	23.74	23.72	23.72	25.5
20	QPSK	1	49	23.99	24.01	23.84	24.03	24.02	24.02	
20	QPSK	1	99	23.99	23.99	23.83	23.76	23.74	23.74	
20	QPSK	50	24	23.18	23.19	22.94	23.12	23.12	23.12	
20	QPSK	50	50	23.14	23.18	22.93	22.93	22.93	22.93	24.5
20	QPSK	100	0	23.15	23.19	22.95	22.93	22.93	22.93	
20	HQDM	1	0	23.11	23.13	22.97	22.85	22.72	22.72	
20	HQDM	1	99	23.11	23.12	22.86	22.88	22.87	22.87	
20	HQDM	50	0	22.19	22.21	21.97	22.01	22.01	22.01	24.5
20	HQDM	50	24	22.20	22.21	21.99	22.17	22.16	22.16	
20	HQDM	50	50	22.18	22.19	21.97	22.05	22.05	22.05	
20	HQDM	100	0	22.15	22.21	21.94	22.04	22.02	22.02	
20	HQDM	1	0	21.80	21.84	21.59	21.52	21.42	21.42	23.5
20	HQDM	1	49	21.85	21.84	21.58	21.82	21.80	21.80	
20	HQDM	1	99	21.87	21.91	21.70	21.97	21.79	21.79	
20	HQDM	50	0	21.19	21.21	20.96	21.02	21.00	21.00	
20	HQDM	50	24	21.19	21.24	21.00	21.17	21.17	21.17	22.5
20	HQDM	50	50	21.19	21.21	20.97	21.05	21.04	21.04	
20	HQDM	100	0	21.18	21.23	20.96	21.07	21.07	21.07	
20	SSQDM	1	0	19.03	19.04	18.92	18.70	18.59	18.59	
20	SSQDM	1	49	18.93	18.88	18.74	18.92	18.95	18.95	20.5
20	SSQDM	1	99	18.99	18.94	18.74	18.49	18.83	18.83	
20	SSQDM	50	24	19.25	19.21	19.08	19.29	19.20	19.20	
20	SSQDM	50	50	19.22	19.18	19.02	19.08	19.10	19.10	
20	SSQDM	100	0	19.20	19.19	19.02	19.09	19.12	19.12	
Channel				39750	40180	40610	41050	41490		
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
15	QPSK	1	0	23.91	23.98	23.77	23.85	23.74	23.74	25.5
15	QPSK	1	25	23.81	23.89	23.70	24.02	23.87	23.87	
15	QPSK	1	49	23.94	23.98	23.81	23.77	23.85	23.85	
15	QPSK	25	0	23.03	23.10	22.80	22.85	22.91	22.91	
15	QPSK	25	12	23.03	23.13	22.80	23.00	23.00	23.00	24.5
15	QPSK	50	24	23.06	23.07	22.82	23.00	23.00	23.00	
15	QPSK	50	0	23.05	23.12	22.84	22.93	22.96	22.96	
15	HQDM	1	0	23.00	23.05	22.80	23.03	23.02	23.02	
15	HQDM	1	25	22.97	22.93	22.80	23.05	23.02	23.02	24.5
15	HQDM	1	49	23.10	23.20	23.02	22.91	23.00	23.00	
15	HQDM	50	0	21.04	22.07	21.86	21.93	21.96	21.96	
15	HQDM	25	12	22.09	22.14	21.85	22.02	22.00	22.00	
15	HQDM	50	20	22.07	22.02	21.86	21.96	22.05	22.05	23.5
15	HQDM	50	0	22.08	22.08	21.93	21.99	22.05	22.05	
15	HQDM	1	0	21.70	21.79	21.65	21.86	21.51	21.51	
15	HQDM	1	25	21.77	21.80	21.60	21.86	21.79	21.79	
15	HQDM	1	49	21.80	21.86	21.73	21.58	21.85	21.85	23.5
15	HQDM	25	0	21.80	21.80	20.87	20.96	20.97	20.97	
15	HQDM	50	12	21.07	21.11	20.91	20.99	21.07	21.07	
15	HQDM	50	25	21.09	21.12	20.92	21.07	21.07	21.07	
15	HQDM	50	0	21.14	21.17	20.89	20.96	21.04	21.04	22.5
15	SSQDM	1	0	19.09	19.07	18.90	19.70	19.58	19.58	
15	SSQDM	1	25	18.99	18.83	18.69	18.90	19.87	19.87	
15	SSQDM	1	49	18.96	18.93	18.73	18.40	18.80	18.80	
15	SSQDM	25	0	19.25	19.13	19.07	19.05	19.00	19.00	
15	SSQDM	25	12	19.21	19.12	19.05	19.27	19.24	19.24	20.5
15	SSQDM	25	25	19.17	19.15	18.95	19.08	19.00	19.00	
15	SSQDM	50	0	19.18	19.05	19.01	19.01	19.03	19.03	
Channel				39675	40180	40610	41050	41490		
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
5	QPSK	1	0	23.84	23.94	23.73	23.81	23.72	23.72	25.5
5	QPSK	1	15	23.80	23.91	23.75	23.92	23.85	23.85	
5	QPSK	1	24	23.87	23.99	23.80	23.79	23.92	23.92	
5	QPSK	12	0	23.01	23.09	22.82	22.84	22.90	22.90	
5	QPSK	12	7	23.12	23.15	22.91	22.96	23.02	23.02	24.5
5	QPSK	25	0	23.02	23.07	22.86	22.91	23.00	23.00	
5	HQDM	1	0	23.00	23.05	22.80	23.02	23.04	23.04	
5	HQDM	1	12	22.94	22.95	22.73	23.04	23.03	23.03	
5	HQDM	1	24	23.10	23.24	22.90	23.05	23.09	23.09	24.5
5	HQDM	12	0	21.84	22.07	21.81	21.98	21.90	21.90	
5	HQDM	12	7	22.08	22.11	21.80	21.96	21.97	21.97	
5	HQDM	12	13	22.02	22.04	21.82	21.98	21.95	21.95	
5	HQDM	25	0	22.12	22.11	21.94	22.09	21.98	21.98	23.5
5	HQDM	1	0	21.68	21.84	21.58	21.74	21.47	21.47	
5	HQDM	1	12	21.76	21.83	21.59	21.89	21.85	21.85	
5	HQDM	1	24	21.82	21.89	21.73	21.49	21.82	21.82	
5	HQDM	1	0	20.98	21.12	20.85	21.01	20.93	20.93	22.5
5	HQDM	12	7	21.06	21.08	20.85	21.06	21.07	21.07	
5	HQDM	13	13	21.14	21.16	20.89	20.90	21.06	21.06	
5	HQDM	25	0	21.10	21.15	20.86	20.92	21.01	21.01	
5	SSQDM	1	0	19.01	18.99	18.86	18.70	18.56	18.56	20.5
5	SSQDM	1	15	18.85	18.76	18.72	18.82	18.94	18.94	
5	SSQDM	1	24	18.94	18.88	18.72	18.49	18.80	18.80	
5	SSQ									

Band 41 HPUE_Ant 0												
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
26	QPSK	1	0	25.81	25.85	25.91	25.96	26.01	26.06	26.11	26.16	26.21
26	QPSK	1	49	25.81	25.85	25.91	25.96	26.01	26.06	26.11	26.16	26.21
26	QPSK	1	99	25.75	25.88	25.91	25.95	26.00	26.04	26.08	26.12	26.16
26	QPSK	50	24	24.36	24.58	24.73	24.89	25.04	25.19	25.34	25.49	25.64
26	QPSK	50	50	24.35	24.57	24.72	24.88	25.03	25.18	25.33	25.48	25.63
26	QPSK	100	0	24.58	24.99	24.73	24.93	25.18	25.43	25.68	25.93	26.18
26	HQDM	1	0	24.59	24.99	24.88	24.92	25.02	25.12	25.22	25.32	25.42
26	HQDM	1	49	25.02	25.04	24.94	24.77	25.07	25.07	25.17	25.27	25.37
26	HQDM	50	0	23.99	24.01	23.75	23.91	23.91	24.01	24.11	24.21	24.31
26	HQDM	50	24	24.00	24.04	23.77	24.06	24.07	24.16	24.26	24.36	24.46
26	HQDM	50	50	24.00	24.00	23.71	23.95	23.95	24.05	24.15	24.25	24.35
26	HQDM	100	0	23.98	24.01	23.75	23.98	23.98	24.08	24.18	24.28	24.38
26	HQDM	1	0	23.81	23.84	23.65	23.73	23.73	23.83	23.93	24.03	24.13
26	HQDM	1	49	23.87	23.85	23.65	23.85	23.85	23.95	24.05	24.15	24.25
26	HQDM	1	99	23.89	23.88	23.71	23.80	23.80	23.90	24.00	24.10	24.20
26	HQDM	50	0	23.01	23.05	22.79	22.95	22.95	23.05	23.15	23.25	23.35
26	HQDM	50	24	22.99	23.02	22.75	22.98	22.98	23.08	23.18	23.28	23.38
26	HQDM	50	50	23.01	23.01	22.80	22.87	22.87	22.97	23.07	23.17	23.27
26	HQDM	100	0	23.00	23.03	22.75	22.90	22.90	23.00	23.10	23.20	23.30
26	SSBQAM	1	0	20.86	20.85	20.80	20.88	20.88	20.96	20.96	21.04	21.04
26	SSBQAM	1	49	20.88	20.74	20.63	20.93	20.93	21.11	21.11	21.29	21.29
26	SSBQAM	1	99	20.87	20.81	20.61	20.95	20.95	21.05	21.05	21.15	21.15
26	SSBQAM	50	24	21.11	21.04	20.94	20.95	20.95	21.05	21.05	21.15	21.15
26	SSBQAM	50	50	21.08	21.00	20.88	21.12	21.12	21.22	21.22	21.32	21.32
26	SSBQAM	50	100	21.03	21.00	20.81	20.95	20.95	21.05	21.05	21.15	21.15
26	SSBQAM	100	0	21.02	20.97	20.85	20.99	20.99	21.07	21.07	21.17	21.17
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
15	QPSK	1	0	25.81	25.85	25.91	25.96	26.01	26.06	26.11	26.16	26.21
15	QPSK	1	37	25.82	25.84	25.92	25.95	26.00	26.04	26.08	26.12	26.16
15	QPSK	1	74	25.88	25.83	25.84	25.81	25.81	25.88	25.88	25.95	25.95
15	QPSK	50	0	24.36	24.58	24.63	24.85	24.85	24.95	25.05	25.15	25.25
15	QPSK	50	24	24.36	24.58	24.71	24.83	24.83	24.93	25.03	25.13	25.23
15	QPSK	50	50	24.35	24.58	24.68	24.87	24.87	24.97	25.07	25.17	25.27
15	QPSK	100	0	24.52	24.90	24.84	24.88	24.88	24.98	25.08	25.18	25.28
15	HQDM	1	0	24.59	24.91	24.82	24.89	24.89	24.99	25.09	25.19	25.29
15	HQDM	1	37	24.54	24.56	24.73	24.77	24.77	24.87	24.97	25.07	25.17
15	HQDM	1	74	24.59	25.04	24.78	24.77	24.77	24.87	24.97	25.07	25.17
15	HQDM	50	0	23.95	23.93	23.75	23.88	23.88	23.98	24.08	24.18	24.28
15	HQDM	50	24	23.95	23.94	23.75	24.05	24.05	24.15	24.25	24.35	24.45
15	HQDM	50	50	23.95	23.95	23.69	23.92	23.92	24.04	24.14	24.24	24.34
15	HQDM	100	0	23.95	24.50	23.65	23.92	23.92	24.08	24.18	24.28	24.38
15	HQDM	1	0	23.81	23.78	23.65	23.86	23.86	23.96	24.06	24.16	24.26
15	HQDM	1	37	23.79	23.82	23.64	24.04	24.04	24.14	24.24	24.34	24.44
15	HQDM	1	74	23.78	23.66	23.69	23.83	23.83	23.93	24.03	24.13	24.23
15	HQDM	50	0	22.91	22.98	22.75	22.98	22.98	23.08	23.18	23.28	23.38
15	HQDM	50	24	22.93	23.04	22.76	22.96	22.96	23.06	23.16	23.26	23.36
15	HQDM	50	50	22.94	23.00	22.71	22.87	22.87	22.97	23.07	23.17	23.27
15	HQDM	100	0	22.90	22.93	22.73	22.92	22.92	23.02	23.12	23.22	23.32
15	SSBQAM	1	0	20.85	20.79	20.59	20.90	20.90	21.00	21.10	21.20	21.30
15	SSBQAM	1	37	20.85	20.85	20.55	20.90	20.90	21.00	21.10	21.20	21.30
15	SSBQAM	1	74	20.77	20.75	20.55	20.89	20.89	20.99	21.09	21.19	21.29
15	SSBQAM	50	0	21.00	20.94	20.85	20.94	20.94	21.04	21.14	21.24	21.34
15	SSBQAM	50	24	20.96	20.90	20.85	21.12	21.12	21.08	21.18	21.28	21.38
15	SSBQAM	50	50	21.02	20.91	20.81	20.95	20.95	21.05	21.15	21.25	21.35
15	SSBQAM	100	0	21.02	20.95	20.85	20.89	20.89	20.99	21.09	21.19	21.29
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
10	QPSK	1	0	25.54	25.58	25.63	25.65	25.70	25.75	25.80	25.85	25.90
10	QPSK	1	25	25.53	25.58	25.64	25.69	25.74	25.79	25.84	25.89	25.94
10	QPSK	1	49	25.53	25.58	25.64	25.69	25.74	25.79	25.84	25.89	25.94
10	QPSK	25	0	24.92	24.98	24.63	24.88	24.88	24.93	24.98	25.03	25.08
10	QPSK	25	12	24.90	24.98	24.64	24.92	24.92	24.97	25.02	25.07	25.12
10	QPSK	25	24	24.94	24.98	24.64	24.89	24.89	24.94	24.99	25.04	25.09
10	QPSK	50	0	24.91	24.93	24.69	24.91	24.91	24.96	25.01	25.06	25.11
10	HQDM	1	0	24.94	24.97	24.67	24.87	24.87	24.91	24.95	24.99	25.03
10	HQDM	1	25	24.94	24.98	24.61	24.81	24.81	24.85	24.89	24.93	24.97
10	HQDM	1	49	24.98	25.00	24.77	24.75	24.75	24.79	24.83	24.87	24.91
10	HQDM	25	0	23.93	23.97	23.68	23.82	23.82	23.86	23.90	23.94	23.98
10	HQDM	25	12	23.98	23.97	23.78	24.06	24.06	24.07	24.11	24.15	24.19
10	HQDM	25	24	23.93	23.92	23.77	23.89	23.89	23.93	23.97	24.01	24.05
10	HQDM	50	0	23.94	23.97	23.75	23.92	23.92	23.96	24.00	24.04	24.08
10	HQDM	1	0	23.79	23.77	23.69	23.89	23.89	23.99	24.09	24.19	24.29
10	HQDM	1	25	23.81	23.84	23.69	24.01	24.01	24.11	24.21	24.31	24.41
10	HQDM	1	49	23.82	23.82	23.69	23.82	23.82	23.88	23.94	24.00	24.06
10	HQDM	25	0	22.94	22.98	22.75	22.87	22.87	22.88	22.94	22.99	23.04
10	HQDM	25	12	22.99	23.00	22.78	22.98	22.98	23.02	23.06	23.10	23.14
10	HQDM	25	24	22.97	22.98	22.74	22.87	22.87	22.91	22.95	22.99	23.03
10	HQDM	50	0	22.94	22.96	22.68	22.86	22.86	22.90	22.94	22.98	23.02
10	SSBQAM	1	0	20.80	20.84	20.74	20.84	20.84	20.90	20.96	21.02	21.08
10	SSBQAM	1	25	20.80	20.74	20.54	20.86	20.86	20.96	21.06	21.16	21.26
10	SSBQAM	1	49	20.85	20.78	20.51	20.81	20.81	20.91	21.01	21.11	21.21
10	SSBQAM	25	0	21.05	20.99	20.83	20.90	20.90	21.00	21.10	21.20	21.30
10	SSBQAM	25	12	20.98	20.98	20.80	21.05	21.05	21.07	21.17	21.27	21.37
10	SSBQAM	25	24	20.94	20.90	20.80	20.91	20.91	21.01	21.11	21.21	21.31
10	SSBQAM	50	0	20.97	20.89	20.75	20.99	20.99	21.01	21.11	21.21	21.31
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
5	QPSK	1	0	25.58	25.65	25.62	25.68	25.71	25.76	25.81	25.86	25.91
5	QPSK	1	12	25.57	25.64	25.70	25.86	25.86	25.91	25.96	26.01	26.06
5	QPSK	1	24	25.65	25.59	25.41	25.36	25.36	25.41	25.46	25.51	25.56
5	QPSK	12	0	24.91	24.91	24.72	24.83	24.83	24.86	24.86	24.89	24.89
5	QPSK	12	12	24.90	24.90	24.71	24.82	24.82	24.85	24.85	24.88	24.88
5	QPSK	12	24	24.85	24.85	24.72	24.87	24.87	24.87	24.87	24.87	24.87
5	QPSK	25	0	24.50	24.50	24.27	24.47	24.47	24.50	24.50	24.50	24.50
5	HQDM	1	0	24.50	24.50	24.27	24.47	24.47	24.50	24.50	24.50	24.50
5	HQDM	1	12	24.42	24.42	24.23	24.35	24.35	24.35	24.35	24.35	24.35
5	HQDM	1	24	23.99	24.01	2						

Band 48_Ant 2										
Int. (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Take-up time (dBm)		
Channel				5540	5580	5616	5660			
Frequency (MHz)				5600	5600	5641	5692			
20	QPSK	1	0	23.48	23.57	23.67	23.74	24.9		
20	QPSK	1	49	23.34	23.43	23.52	23.54			
20	QPSK	1	96	23.34	23.43	23.48	23.48			
20	QPSK	50	0	23.22	23.35	23.38	23.38			
20	QPSK	50	24	23.16	23.29	23.38	23.38	24.7		
20	QPSK	50	50	23.14	23.25	23.31	23.33			
20	QPSK	100	0	23.18	23.30	23.28	23.40			
20	16QAM	1	0	23.29	23.43	23.53	23.52			
20	16QAM	1	49	23.12	23.23	23.30	23.32	24.7		
20	16QAM	1	96	23.16	23.23	23.29	23.31			
20	16QAM	50	0	22.23	22.37	22.38	22.41			
20	16QAM	50	24	22.20	22.33	22.33	22.41			
20	16QAM	50	50	22.15	22.27	22.35	22.34	23.7		
20	16QAM	100	0	22.19	22.31	22.31	22.40			
20	64QAM	1	0	22.00	22.17	22.19	22.22			
20	64QAM	1	49	21.83	21.89	22.06	22.08			
20	64QAM	1	96	21.92	21.97	22.02	22.06	23.7		
20	64QAM	50	0	21.24	21.36	21.38	21.44			
20	64QAM	50	24	21.23	21.35	21.35	21.44			
20	64QAM	50	50	21.15	21.28	21.34	21.33			
20	64QAM	100	0	21.20	21.31	21.32	21.42	22.7		
20	256QAM	1	0	18.88	19.06	19.11	19.32			
20	256QAM	1	49	18.71	18.85	19.01	19.30			
20	256QAM	1	96	18.99	19.14	19.31	19.38			
20	256QAM	50	0	19.17	19.35	19.29	19.54	20.7		
20	256QAM	50	24	19.11	19.28	19.32	19.56			
20	256QAM	50	50	19.15	19.35	19.42	19.65			
20	256QAM	100	0	19.04	19.27	19.26	19.51			
Channel				5616	5656	5692	5692	Take-up time (dBm)		
Frequency (MHz)				5673	5688	5692	5692			
15	QPSK	1	0	23.43	23.49	23.59	23.64	24.9		
15	QPSK	1	37	23.26	23.34	23.48	23.54			
15	QPSK	1	74	23.33	23.38	23.42	23.44			
15	QPSK	36	0	23.21	23.30	23.28	23.28			
15	QPSK	36	20	23.13	23.21	23.29	23.33	24.7		
15	QPSK	36	39	23.10	23.18	23.31	23.30			
15	QPSK	36	50	23.18	23.29	23.24	23.30			
15	16QAM	1	0	23.27	23.40	23.50	23.48			
15	16QAM	1	37	23.03	23.17	23.24	23.29	24.7		
15	16QAM	1	74	23.10	23.21	23.29	23.23			
15	16QAM	36	0	22.19	22.28	22.28	22.41			
15	16QAM	36	20	22.19	22.29	22.29	22.37			
15	16QAM	36	39	22.08	22.25	22.29	22.27	23.7		
15	16QAM	75	0	22.15	22.25	22.21	22.32			
15	64QAM	1	0	21.02	21.15	21.14	21.19			
15	64QAM	1	37	21.80	21.88	22.00	22.00	23.7		
15	64QAM	1	74	21.84	21.90	22.04	22.07			
15	64QAM	36	0	21.20	21.30	21.32	21.38			
15	64QAM	36	20	21.15	21.31	21.31	21.42			
15	64QAM	36	39	21.00	21.23	21.27	21.31	22.7		
15	64QAM	75	0	21.16	21.29	21.29	21.40			
15	256QAM	1	0	18.82	19.03	19.07	19.27			
15	256QAM	1	37	18.76	18.95	19.11	19.21	20.7		
15	256QAM	1	74	19.00	19.10	19.27	19.42			
15	256QAM	36	0	19.10	19.34	19.27	19.45			
15	256QAM	36	20	19.17	19.28	19.29	19.63	20.7		
15	256QAM	36	39	19.20	19.32	19.47	19.60			
15	256QAM	75	0	19.03	19.30	19.36	19.59			
Channel				5656	5692	5696	5696	Take-up time (dBm)		
Frequency (MHz)				5692	5692	5692	5692			
10	QPSK	1	0	23.42	23.57	23.67	23.67	24.9		
10	QPSK	1	25	23.28	23.37	23.50	23.48			
10	QPSK	1	49	23.28	23.34	23.47	23.42			
10	QPSK	25	0	23.16	23.29	23.29	23.30			
10	QPSK	25	12	23.17	23.24	23.30	23.34	24.7		
10	QPSK	25	24	23.07	23.15	23.30	23.28			
10	QPSK	50	0	23.09	23.20	23.27	23.31			
10	16QAM	1	0	23.16	23.36	23.31	23.47			
10	16QAM	1	25	23.08	23.17	23.24	23.29	24.7		
10	16QAM	1	49	23.16	23.21	23.25	23.28			
10	16QAM	25	0	22.20	22.36	22.39	22.34			
10	16QAM	25	12	22.13	22.23	22.32	22.33	23.7		
10	16QAM	49	20	22.09	22.28	22.27	22.27			
10	16QAM	50	0	22.09	22.25	22.24	22.33			
10	64QAM	1	0	22.00	22.16	22.15	22.20	23.7		
10	64QAM	1	25	21.74	21.88	22.04	22.04			
10	64QAM	1	49	21.85	21.93	21.96	22.06			
10	64QAM	25	0	21.18	21.30	21.32	21.31			
10	64QAM	25	12	21.19	21.30	21.29	21.44	22.7		
10	64QAM	25	25	21.09	21.28	21.32	21.33			
10	64QAM	50	0	21.11	21.20	21.28	21.50			
10	256QAM	1	0	19.00	19.11	19.09	19.38	20.7		
10	256QAM	1	25	18.76	19.03	19.07	19.22			
10	256QAM	1	49	19.04	19.08	19.24	19.38			
10	256QAM	25	0	19.12	19.34	19.25	19.47			
10	256QAM	25	12	19.11	19.32	19.37	19.60	20.7		
10	256QAM	25	25	19.18	19.34	19.41	19.63			
10	256QAM	50	0	19.12	19.28	19.30	19.54			
Channel				5692	5692	5692	5692	Take-up time (dBm)		
Frequency (MHz)				5692	5692	5692	5692			
5	QPSK	1	0	23.44	23.57	23.63	23.68	24.9		
5	QPSK	1	12	23.29	23.41	23.49	23.44			
5	QPSK	1	24	23.27	23.35	23.49	23.46			
5	QPSK	12	0	23.22	23.29	23.38	23.36			
5	QPSK	12	13	23.11	23.27	23.27	23.30	24.7		
5	QPSK	25	0	23.14	23.23	23.20	23.28			
5	16QAM	1	0	23.26	23.40	23.46	23.45			
5	16QAM	1	12	23.02	23.22	23.22	23.29	24.7		
5	16QAM	1	24	23.09	23.22	23.29	23.31			
5	16QAM	12	0	22.23	22.34	22.32	22.36			
5	16QAM	12	7	22.10	22.26	22.32	22.32	23.7		
5	16QAM	12	13	22.09	22.25	22.28	22.27			
5	16QAM	25	0	22.18	22.23	22.21	22.38			
5	64QAM	1	0	21.97	22.07	22.09	22.13	23.7		
5	64QAM	1	12	21.81	21.91	21.97	22.01			
5	64QAM	1	24	21.89	21.94	22.01	22.07			
5	64QAM	12	0	21.19	21.30	21.34	21.31			
5	64QAM	12	7	21.22	21.28	21.31	21.39	22.7		
5	64QAM	12	13	21.11	21.28	21.34	21.27			
5	64QAM	25	0	21.17	21.27	21.29	21.36			
5	256QAM	1	0	18.83	19.14	19.11	19.33	20.7		
5	256QAM	1	12	18.78	19.02	19.10	19.30			
5	256QAM	1	24	18.88	19.08	19.28	19.39			
5	256QAM	12	0	19.16	19.32	19.34	19.54			
5	256QAM	12	7	19.11	19.34	19.35	19.65	20.7		
5	256QAM	12	13	19.11	19.38	19.44	19.64			
5	256QAM	25	0	19.00	19.32	19.28	19.58			

Band 38_Ant 2							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	36000	38150	
Frequency (MHz)				2460	2560	2660	
20	QPSK	1	0	24.68	24.63	24.52	20.7
20	QPSK	1	49	24.69	24.64	24.52	
20	QPSK	1	96	24.68	24.63	24.48	
20	QPSK	50	0	23.87	23.70	23.69	24.7
20	QPSK	50	24	23.86	23.70	23.68	
20	QPSK	50	50	23.87	23.70	23.69	
20	QPSK	100	0	23.88	23.71	23.68	24.7
20	16QAM	1	0	23.81	23.74	23.67	
20	16QAM	1	49	23.79	23.72	23.61	
20	16QAM	1	96	23.81	23.69	23.61	23.7
20	16QAM	50	0	22.91	22.76	22.73	
20	16QAM	50	24	22.90	22.75	22.70	
20	16QAM	50	50	22.90	22.75	22.68	23.7
20	16QAM	100	0	22.89	22.78	22.76	
20	64QAM	1	0	22.57	22.41	22.42	23.7
20	64QAM	1	49	22.53	22.46	22.36	
20	64QAM	1	96	22.58	22.39	22.42	
20	64QAM	50	0	22.40	21.76	21.71	22.7
20	64QAM	50	24	22.05	21.77	21.70	
20	64QAM	50	50	22.62	21.74	21.70	
20	64QAM	100	0	22.70	21.74	21.70	20.7
20	256QAM	1	0	19.77	19.78	19.81	
20	256QAM	1	49	19.70	19.68	19.59	
20	256QAM	1	96	19.73	19.57	19.54	20.7
20	256QAM	50	0	20.07	19.96	19.97	
20	256QAM	50	24	20.02	19.92	19.93	
20	256QAM	50	50	20.01	19.83	19.87	20.7
20	256QAM	100	0	20.03	19.92	19.91	
Channel				2177.5	2560	2612.5	
Frequency (MHz)				24.60	24.52	24.59	
15	QPSK	1	0	24.60	24.52	24.59	20.7
15	QPSK	1	37	24.60	24.50	24.35	
15	QPSK	1	74	24.59	24.52	24.38	
15	QPSK	36	0	23.77	23.63	23.58	24.7
15	QPSK	36	20	23.80	23.73	23.58	
15	QPSK	36	39	23.75	23.61	23.58	
15	QPSK	75	0	23.78	23.63	23.58	24.7
15	16QAM	1	0	23.78	23.68	23.58	
15	16QAM	1	37	23.60	23.50	23.34	
15	16QAM	1	74	23.74	23.63	23.54	23.7
15	16QAM	36	0	22.78	22.64	22.55	
15	16QAM	36	20	22.74	22.68	22.54	
15	16QAM	36	39	22.74	22.58	22.54	23.7
15	16QAM	75	0	22.79	22.65	22.60	
15	64QAM	1	0	22.60	22.35	22.30	
15	64QAM	1	37	22.44	22.37	22.23	22.7
15	64QAM	1	74	22.44	22.29	22.26	
15	64QAM	36	0	21.82	21.67	21.61	
15	64QAM	36	20	21.80	21.73	21.61	22.7
15	64QAM	36	39	21.81	21.65	21.58	
15	64QAM	75	0	21.81	21.65	21.61	
15	256QAM	1	0	19.72	19.72	19.75	20.7
15	256QAM	1	37	19.07	19.05	19.05	
15	256QAM	1	74	19.72	19.55	19.49	
15	256QAM	36	0	19.08	19.00	19.00	20.7
15	256QAM	36	20	19.05	18.96	19.01	
15	256QAM	36	39	19.08	19.03	19.04	
15	256QAM	75	0	19.09	19.01	19.00	20.7
Channel				31850	36000	38050	
Frequency (MHz)				24.60	24.52	24.42	
10	QPSK	1	0	24.63	24.61	24.42	
10	QPSK	1	25	24.61	24.55	24.41	20.7
10	QPSK	1	49	24.67	24.63	24.43	
10	QPSK	25	0	23.74	23.59	23.52	24.7
10	QPSK	25	12	23.75	23.69	23.52	
10	QPSK	25	24	23.74	23.69	23.51	
10	QPSK	50	0	23.75	23.61	23.53	24.7
10	16QAM	1	0	23.81	23.68	23.52	
10	16QAM	1	25	23.72	23.64	23.51	
10	16QAM	1	49	23.79	23.68	23.47	23.7
10	16QAM	25	0	22.74	22.69	22.53	
10	16QAM	25	12	22.76	22.72	22.58	
10	16QAM	25	24	22.74	22.67	22.48	23.7
10	64QAM	1	0	22.67	22.59	22.52	
10	64QAM	1	25	22.54	22.43	22.30	
10	64QAM	1	49	22.50	22.39	22.30	22.7
10	64QAM	25	0	21.81	21.67	21.61	
10	64QAM	25	12	21.83	21.75	21.63	
10	64QAM	25	24	21.82	21.78	21.60	20.7
10	64QAM	50	0	21.76	21.60	21.57	
10	256QAM	1	0	19.09	19.72	19.79	
10	256QAM	1	25	19.05	19.59	19.58	20.7
10	256QAM	1	49	19.09	19.52	19.48	
10	256QAM	25	0	19.08	19.00	19.01	
10	256QAM	25	12	19.04	19.03	19.00	20.7
10	256QAM	25	24	19.01	19.76	19.82	
10	256QAM	50	0	20.01	19.84	19.86	
Channel				2572.5	2600	2612.5	
Frequency (MHz)				24.58	24.53	24.37	
5	QPSK	1	0	24.58	24.53	24.37	20.7
5	QPSK	1	12	24.54	24.49	24.35	
5	QPSK	1	24	24.59	24.52	24.33	
5	QPSK	12	0	23.68	23.54	23.48	24.7
5	QPSK	12	6	23.72	23.64	23.50	
5	QPSK	12	13	23.71	23.66	23.49	
5	QPSK	25	0	23.72	23.65	23.45	24.7
5	16QAM	1	0	23.72	23.67	23.52	
5	16QAM	1	12	23.75	23.68	23.50	
5	16QAM	1	24	23.75	23.68	23.52	23.7
5	16QAM	12	0	22.67	22.60	22.46	
5	16QAM	12	7	22.72	22.69	22.47	
5	16QAM	12	13	22.67	22.62	22.45	23.7
5	16QAM	25	0	22.73	22.68	22.52	
5	64QAM	1	0	22.51	22.43	22.35	
5	64QAM	1	12	22.54	22.44	22.30	22.7
5	64QAM	1	24	22.54	22.45	22.28	
5	64QAM	12	0	21.76	21.71	21.53	
5	64QAM	12	7	21.77	21.70	21.55	22.7
5	64QAM	12	13	21.76	21.70	21.51	
5	64QAM	25	0	21.79	21.70	21.55	
5	256QAM	1	0	19.67	19.77	19.81	20.7
5	256QAM	1	12	19.64	19.63	19.56	
5	256QAM	1	24	19.72	19.55	19.49	
5	256QAM	12	0	20.02	19.95	19.87	20.7
5	256QAM	12	7	19.97	19.85	19.83	
5	256QAM	12	13	19.99	19.80	19.77	
5	256QAM	25	0	19.98	19.87	19.82	



Band 41_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (sec)
Channel				39750	40180	40610	41040	41470		
Frequency (MHz)				2560	26030	26460	26890	27320		
20	QPSK	1	0	24.69	24.77	24.75	24.81	24.30		25.7
20	QPSK	1	49	24.74	24.80	24.84	24.83	24.88		
20	QPSK	1	99	24.76	24.82	24.75	24.41	24.57		
20	QPSK	50	0	23.87	23.84	23.83	23.75	23.65		24.7
20	QPSK	96	24	23.90	23.95	23.83	23.87	23.77		
20	QPSK	96	50	23.87	23.87	23.82	23.75	23.75		
20	QPSK	100	0	23.88	23.95	23.83	23.79	23.65		
20	HQDM	1	0	23.83	23.80	23.87	23.84	23.43		24.7
20	HQDM	1	49	23.82	23.80	23.78	23.82	23.77		
20	HQDM	1	99	23.86	23.86	23.85	23.48	23.65		
20	HQDM	50	0	22.90	22.98	22.85	22.78	22.67		23.7
20	HQDM	50	24	22.90	22.69	22.68	22.93	22.81		
20	HQDM	96	50	22.91	23.00	22.97	22.85	22.75		
20	HQDM	100	0	22.89	22.98	22.87	22.83	22.72		
20	HQDM	1	0	22.84	22.87	22.80	22.28	22.12		23.7
20	HQDM	1	49	22.86	22.82	22.81	22.72	22.50		
20	HQDM	1	99	22.87	22.79	22.81	22.22	22.28		
20	HQDM	50	0	21.91	21.97	21.92	21.76	21.67		22.7
20	HQDM	50	24	21.94	22.01	21.97	21.92	21.83		
20	HQDM	50	50	21.91	21.99	21.86	21.78	21.80		
20	HQDM	100	0	21.90	21.98	21.87	21.81	21.72		
20	SSBQAM	1	0	19.89	19.75	19.87	19.81	19.38		20.7
20	SSBQAM	1	49	19.75	19.71	19.77	19.75	19.73		
20	SSBQAM	1	99	19.79	19.81	19.82	19.26	19.58		
20	SSBQAM	50	0	20.10	20.10	20.14	20.00	19.87		
20	SSBQAM	96	24	20.08	20.06	20.12	20.07	19.97		20.7
20	SSBQAM	96	50	20.07	20.01	20.09	19.88	19.98		
20	SSBQAM	100	0	20.07	20.03	20.05	19.99	19.91		
Channel				26770	26770	26770	26770	26770		
Frequency (MHz)				2683.5	2683.5	2683.5	2683.5	2683.5		
15	QPSK	1	0	24.62	24.70	24.68	24.81	24.29		25.7
15	QPSK	1	37	24.63	24.72	24.65	24.74	24.63		
15	QPSK	1	74	24.66	24.81	24.68	24.53	24.59		
15	QPSK	96	0	23.70	23.65	23.75	23.75	23.65		24.7
15	QPSK	96	30	23.83	23.84	23.78	23.77	23.71		
15	QPSK	96	50	23.80	23.87	23.74	23.77	23.72		
15	QPSK	1	0	23.79	23.88	23.77	23.72	23.68		24.7
15	HQDM	1	0	23.76	23.84	23.78	23.77	23.62		
15	HQDM	1	37	23.78	23.78	23.84	23.86	23.77		
15	HQDM	1	74	23.80	24.00	23.85	23.87	23.68		23.7
15	HQDM	96	0	22.69	22.82	22.74	22.79	22.66		
15	HQDM	96	30	22.77	22.83	22.71	22.73	22.68		
15	HQDM	96	50	22.77	22.86	22.71	22.75	22.67		
15	HQDM	99	0	22.84	22.89	22.77	22.75	22.95		
15	HQDM	1	0	22.86	22.84	22.81	22.43	22.35		23.7
15	HQDM	1	37	22.82	22.68	22.45	22.88	22.47		
15	HQDM	1	74	22.83	22.74	22.82	22.41	22.36		
15	HQDM	96	0	21.75	21.80	21.79	21.76	21.84		22.7
15	HQDM	96	20	21.83	21.89	21.76	21.79	21.78		
15	HQDM	96	30	21.83	21.81	21.79	21.78	21.73		
15	HQDM	75	0	21.83	21.90	21.78	21.74	21.70		
15	SSBQAM	1	0	19.87	19.74	19.82	19.82	19.38		20.7
15	SSBQAM	1	37	19.70	19.65	19.67	19.73	19.72		
15	SSBQAM	1	74	19.72	19.75	19.78	19.29	19.56		
15	SSBQAM	96	0	20.08	20.02	20.04	19.86	19.81		20.7
15	SSBQAM	96	30	20.04	20.02	20.07	20.02	20.01		
15	SSBQAM	96	50	19.98	19.95	20.03	19.80	19.95		
15	SSBQAM	95	0	20.04	20.00	20.05	19.85	19.97		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2683.5	2683.5	2683.5	2683.5	2683.5		
10	QPSK	1	0	24.65	24.69	24.64	24.45	24.41		25.7
10	QPSK	1	25	24.68	24.74	24.67	24.75	24.82		
10	QPSK	1	49	24.70	24.76	24.65	24.53	24.55		
10	QPSK	25	0	23.76	23.82	23.75	23.72	23.68		24.7
10	QPSK	25	12	23.78	23.87	23.77	23.88	23.73		
10	QPSK	96	24	23.78	23.85	23.76	23.80	23.84		
10	QPSK	50	0	23.78	23.87	23.77	23.79	23.67		24.7
10	HQDM	1	0	23.80	23.84	23.78	23.85	23.68		
10	HQDM	1	25	23.80	23.89	23.74	23.91	23.74		
10	HQDM	1	49	23.78	23.89	23.72	23.63	23.46		23.7
10	HQDM	96	0	22.77	22.84	22.77	22.77	22.69		
10	HQDM	25	12	22.81	22.89	22.80	22.84	22.77		23.7
10	HQDM	96	0	22.81	22.90	22.75	22.84	22.75		
10	HQDM	1	0	22.84	22.61	22.47	22.35	22.28		23.7
10	HQDM	1	25	22.88	22.67	22.63	22.76	22.46		
10	HQDM	1	49	22.85	22.88	22.48	22.40	22.12		
10	HQDM	25	0	21.83	21.92	21.82	21.81	21.74		22.7
10	HQDM	96	12	21.88	21.84	21.89	21.96	21.82		
10	HQDM	25	25	21.85	21.85	21.85	21.87	21.71		
10	HQDM	96	0	21.81	21.67	21.79	21.82	21.70		
10	SSBQAM	1	0	19.79	19.68	19.78	19.61	19.35		20.7
10	SSBQAM	1	25	19.69	19.62	19.77	19.68	19.69		
10	SSBQAM	1	49	19.78	19.81	19.80	19.24	19.54		
10	SSBQAM	25	0	20.07	20.05	20.05	19.86	19.84		20.7
10	SSBQAM	25	12	20.05	19.97	20.16	20.08	19.97		
10	SSBQAM	25	25	19.97	20.01	20.04	19.88	19.97		
10	SSBQAM	50	0	20.01	20.03	20.03	19.99	19.89		
Channel				2683.5	2683.5	2683.5	2683.5	2683.5		
Frequency (MHz)				2683.5	2683.5	2683.5	2683.5	2683.5		
5	QPSK	1	0	24.67	24.69	24.59	24.70	24.58		25.7
5	QPSK	1	12	24.64	24.71	24.64	24.74	24.50		
5	QPSK	1	24	24.62	24.69	24.61	24.70	24.54		
5	QPSK	12	0	23.77	23.86	23.72	23.76	23.72		24.7
5	QPSK	12	7	23.76	23.87	23.77	23.83	23.75		
5	QPSK	12	13	23.78	23.82	23.74	23.85	23.70		
5	QPSK	25	0	23.76	23.83	23.75	23.78	23.67		24.7
5	HQDM	1	0	23.78	23.84	23.75	23.82	23.74		
5	HQDM	1	12	23.81	23.87	23.84	23.96	23.85		23.7
5	HQDM	1	24	23.83	23.87	23.80	23.89	23.71		
5	HQDM	12	0	22.76	22.81	22.73	22.81	22.70		23.7
5	HQDM	12	7	22.78	22.83	22.72	22.81	22.72		
5	HQDM	12	13	22.76	22.80	22.74	22.81	22.68		23.7
5	HQDM	25	0	22.80	22.88	22.80	22.83	22.72		
5	HQDM	1	0	22.88	22.82	22.85	22.84	22.80		23.7
5	HQDM	1	12	22.89	22.66	22.60	22.73	22.50		
5	HQDM	1	24	22.86	22.65	22.62	22.67	22.44		
5	HQDM	12	0	21.80	21.87	21.77	21.88	21.73		22.7
5	HQDM	12	7	21.82	21.82	21.85	21.88	21.79		
5	HQDM	12	13	21.80	21.88	21.79	21.85	21.72		
5	HQDM	25	0	21.83	21.89	21.83	21.88	21.75		20.7
5	SSBQAM	1	0	19.87	19.73	19.81	19.63	19.33		
5	SSBQAM	1	12	19.79	19.65	19.69	19.73	19.73		
5	SSBQAM	1	24	19.71	19.78	19.75	19.26	19.56		20.7
5	SSBQAM	12	0	20.04	20.09	20.06	19.89	19.82		
5	SSBQAM	12	7	20.02	20.03	20.02	19.80	19.82		
5	SSBQAM	12	13	20.06	19.92	20.01	19.81	19.95		
5	SSBQAM	25	0	20.05	19.98	20.02	19.88	19.89		

Band 41 HPUE_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power Prime Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up Int (sec)
Channel				39750	40180	40610	41050	41500	41950		
Frequency (MHz)				2560	26030	26460	26890	27320	27750		
20	QPSK	1	0	26.30	26.30	26.30	26.30	26.30	26.30	27.5	
20	QPSK	1	49	26.37	26.36	26.36	26.36	26.36	26.36	26.5	
20	QPSK	50	0	25.57	25.64	25.54	25.60	25.60	25.60	26.5	
20	QPSK	50	24	25.57	25.67	25.57	25.67	25.67	25.67	26.5	
20	QPSK	50	50	25.57	25.68	25.54	25.60	25.63	25.63	26.5	
20	QPSK	100	0	25.57	25.68	25.54	25.60	25.63	25.63	26.5	
20	HQDM	1	0	25.67	25.72	25.71	25.67	25.67	25.67	26.5	
20	HQDM	1	49	25.66	25.72	25.63	25.69	25.69	25.69	26.5	
20	HQDM	1	99	25.64	25.73	25.63	25.69	25.69	25.69	26.5	
20	HQDM	50	0	24.81	24.66	24.57	24.63	24.63	24.63	26.5	
20	HQDM	50	24	24.81	24.68	24.58	24.61	24.61	24.61	26.5	
20	HQDM	50	50	24.81	24.70	24.58	24.65	24.65	24.65	26.5	
20	HQDM	100	0	24.62	24.68	24.58	24.67	24.67	24.67	26.5	
20	HQDM	1	0	24.48	24.50	24.40	24.46	24.46	24.46	26.5	
20	HQDM	1	49	24.51	24.58	24.45	24.50	24.50	24.50	26.5	
20	HQDM	1	99	24.50	24.61	24.52	24.58	24.58	24.58	26.5	
20	HQDM	50	0	23.81	23.68	23.57	23.63	23.63	23.63	26.5	
20	HQDM	50	24	23.83	23.70	23.58	23.77	23.77	23.77	26.5	
20	HQDM	50	50	23.83	23.71	23.58	23.68	23.68	23.68	26.5	
20	HQDM	100	0	23.82	23.60	23.57	23.68	23.68	23.68	26.5	
20	SSBQAM	1	0	21.75	21.79	21.84	21.77	21.77	21.77	22.5	
20	SSBQAM	1	49	21.84	21.68	21.70	21.82	21.82	21.82	22.5	
20	SSBQAM	1	99	21.73	21.77	21.75	21.49	21.49	21.49	22.5	
20	SSBQAM	50	0	21.89	21.88	21.88	21.92	21.92	21.92	22.5	
20	SSBQAM	50	24	21.88	21.86	21.82	21.81	21.81	21.81	22.5	
20	SSBQAM	50	50	21.81	21.86	21.85	21.82	21.82	21.82	22.5	
20	SSBQAM	100	0	21.84	21.83	21.85	21.88	21.88	21.88	22.5	
Channel				39750	40180	40610	41050	41500	41950		
Frequency (MHz)				2563.5	26065	26495	26925	27355	27785		
15	QPSK	1	0	26.33	26.41	26.38	26.49	26.49	26.49	27.5	
15	QPSK	1	37	26.34	26.43	26.33	26.51	26.51	26.51	27.5	
15	QPSK	1	74	26.38	26.52	26.42	26.40	26.40	26.40	27.5	
15	QPSK	50	0	25.47	25.61	25.54	25.63	25.63	25.63	26.5	
15	QPSK	50	25	25.56	25.63	25.55	25.68	25.68	25.68	26.5	
15	QPSK	50	50	25.56	25.63	25.52	25.65	25.65	25.65	26.5	
15	QPSK	100	0	25.56	25.63	25.53	25.63	25.63	25.63	26.5	
15	HQDM	1	0	25.49	25.71	25.67	25.78	25.78	25.78	26.5	
15	HQDM	1	37	25.58	25.68	25.58	25.86	25.86	25.86	26.5	
15	HQDM	1	74	25.59	25.82	25.71	25.70	25.70	25.70	26.5	
15	HQDM	50	0	24.46	24.58	24.50	24.63	24.63	24.63	26.5	
15	HQDM	50	25	24.53	24.58	24.50	24.65	24.65	24.65	26.5	
15	HQDM	50	50	24.55	24.62	24.50	24.66	24.66	24.66	26.5	
15	HQDM	100	0	24.57	24.63	24.53	24.63	24.63	24.63	26.5	
15	HQDM	1	0	24.41	24.51	24.40	24.61	24.61	24.61	26.5	
15	HQDM	1	37	24.51	24.58	24.48	24.61	24.61	24.61	26.5	
15	HQDM	1	74	24.51	24.71	24.60	24.61	24.61	24.61	26.5	
15	HQDM	50	0	23.49	23.62	23.55	23.65	23.65	23.65	26.5	
15	HQDM	50	25	23.58	23.68	23.54	23.70	23.70	23.70	26.5	
15	HQDM	50	50	23.58	23.65	23.54	23.68	23.68	23.68	26.5	
15	HQDM	100	0	23.58	23.65	23.55	23.65	23.65	23.65	26.5	
15	SSBQAM	1	0	21.85	21.79	21.80	21.84	21.84	21.84	22.5	
15	SSBQAM	1	37	21.85	21.84	21.80	21.82	21.82	21.82	22.5	
15	SSBQAM	1	74	21.71	21.71	21.67	21.48	21.48	21.48	22.5	
15	SSBQAM	50	0	21.85	21.81	21.69	21.85	21.85	21.85	22.5	
15	SSBQAM	50	25	21.81	21.78	21.65	21.75	21.75	21.75	22.5	
15	SSBQAM	50	50	21.75	21.76	21.65	21.75	21.75	21.75	22.5	
15	SSBQAM	100	0	21.80	21.79	21.68	21.85	21.85	21.85	22.5	
Channel				39750	40180	40610	41050	41500	41950		
Frequency (MHz)				2563.5	26065	26495	26925	27355	27785		
10	QPSK	1	0	26.30	26.35	26.40	26.29	26.29	26.29	27.5	
10	QPSK	1	25	26.33	26.42	26.32	26.53	26.53	26.53	27.5	
10	QPSK	1	49	26.43	26.51	26.33	26.40	26.40	26.40	27.5	
10	QPSK	25	0	25.65	25.63	25.54	25.64	25.64	25.64	26.5	
10	QPSK	25	12	25.67	25.67	25.59	25.60	25.60	25.60	26.5	
10	QPSK	25	24	25.57	25.65	25.54	25.72	25.72	25.72	26.5	
10	QPSK	50	0	25.57	25.68	25.54	25.73	25.73	25.73	26.5	
10	HQDM	1	0	25.77	25.77	25.75	25.86	25.86	25.86	26.5	
10	HQDM	1	25	25.71	25.80	25.71	25.82	25.82	25.82	26.5	
10	HQDM	1	49	25.74	25.84	25.71	25.71	25.71	25.71	26.5	
10	HQDM	25	0	24.54	24.62	24.58	24.68	24.68	24.68	26.5	
10	HQDM	25	12	24.59	24.70	24.61	24.66	24.66	24.66	26.5	
10	HQDM	25	24	24.55	24.63	24.53	24.73	24.73	24.73	26.5	
10	HQDM	50	0	24.59	24.70	24.55	24.76	24.76	24.76	26.5	
10	HQDM	1	0	24.88	24.65	24.64	24.52	24.48	24.48	26.5	
10	HQDM	1	25	24.84	24.60	24.61	24.50	24.50	24.50	26.5	
10	HQDM	1	49	24.65	24.75	24.62	24.60	24.60	24.60	26.5	
10	HQDM	25	0	23.85	23.70	23.64	23.72	23.72	23.72	26.5	
10	HQDM	25	12	23.87	23.75	23.67	23.61	23.61	23.61	26.5	
10	HQDM	25	24	23.83	23.73	23.62	23.79	23.79	23.79	26.5	
10	HQDM	50	0	23.59	23.66	23.61	23.77	23.77	23.77	26.5	
10	SSBQAM	1	0	21.89	21.71	21.77	21.67	21.67	21.67	22.5	
10	SSBQAM	1	25	21.84	21.60	21.70	21.69	21.69	21.69	22.5	
10	SSBQAM	1	49	21.65	21.75	21.66	21.47	21.47	21.47	22.5	
10	SSBQAM	25	0	21.88	21.81	21.69	21.89	21.89	21.89	22.5	
10	SSBQAM	25	12	21.80	21.86	21.86	21.94	21.94	21.94	22.5	
10	SSBQAM	25	24	21.76	21.78	21.75	21.72	21.72	21.72	22.5	
10	SSBQAM	50	0	21.82	21.83	21.80	21.85	21.85	21.85	22.5	
Channel				39750	40180	40610	41050	41500	41950		
Frequency (MHz)				2563.5	26065	26495	26925	27355	27785		
5	QPSK	1	0	26.38	26.43	26.36	26.53	26.53	26.53	27.5	
5	QPSK	1	15	26.38	26.46	26.40	26.52	26.52	26.52	27.5	
5	QPSK	1	24	26.40	26.43	26.34	26.51	26.51	26.51	27.5	
5	QPSK	12	0	25.65	25.62	25.52	25.72	25.72	25.72	26.5	
5	QPSK	12	7	25.51	25.64	25.55	25.75	25.75	25.75	26.5	
5	QPSK	12	13	25.57	25.64	25.55	25.78	25.78	25.78	26.5	
5	QPSK	25	0	25.52	25.61	25.54	25.66	25.66	25.66	26.5	
5	HQDM	1	0	25.76	25.77	25.72	25.84	25.84	25.84	26.5	
5	HQDM	1	12	25.70	25.80	25.73	25.81	25.81	25.81	26.5	
5	HQDM	1	24	25.72	25.81	25.76	25.80	25.80	25.80	26.5	
5	HQDM	12	0	24.59	24.64	24.58	24.76	24.76	24.76	26.5	
5	HQDM	12	7	24.62	24.69	24.64	24.76	24.76	24.76	26.5	
5	HQDM	12	13	24.58	24.67	24.60	24.78	24.78	24.78	26.5	
5	HQDM	25	0	24.60	24.65	24.60	24.78	24.78	24.78	26.5	
5	HQDM	1	0	24.61	24.68	24.60	24.75	24.75	24.75	26.5	
5	HQDM	1	12	24.60	24.69	24.61	24.84	24.84	24.84	26.5	
5	HQDM	1	24	24.63	24.71	24.65	24.82	24.82	24.82	26.5	
5	HQDM	12	0	23.80	23.75	23.67	23.78	23.78	23.78	26.5	
5	HQDM	12	7	23.85	23.73	23.65	23.82	23.82	23.82	26.5	
5	HQDM	12	13	23.80	23.70	23.63	23.81	23.81	23.81	26.5	
5	SSBQAM	1	0	21.74	21.73	21.78	21.74	21.74	21.74	22.5	
5	SSBQAM	1	12	21.69	21.68	21.73	21.69	21.69	21.69	22.5	
5	SSBQAM	1	24	21.68	21.67	21.67	21.49	21.49	21.49	22.5	
5	SSBQAM	12	0	21.81	21.80	21.81	21.89	21.89	21.89	22.5	
5	SSBQAM	12	7	21.88	21.79	21.75	21.83	21.83	21.83	22.5	
5	SSBQAM	12	13	21.71	21.78	21.75	21.75	21.75	21.75	22.5	

Band 48_Ant 7									
Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Take-up time (dBm)		
Channel			5540	5580	5610	5650			
Frequency (MHz)			5600	5600	5600	5600			
20	QPSK	1	0	22.15	22.15	22.35	22.15	23.1	
20	QPSK	1	49	22.12	22.15	22.35	22.15	23.1	
20	QPSK	1	96	22.22	22.31	22.35	22.22	23.1	
20	QPSK	50	0	22.23	22.27	22.45	22.21	23.1	
20	QPSK	50	24	22.27	22.30	22.45	22.29	23.1	
20	QPSK	50	50	22.26	22.31	22.39	22.17	23.1	
20	QPSK	100	0	22.23	22.31	22.45	22.23	23.1	
20	16QAM	1	0	22.14	22.24	22.54	22.32	23.1	
20	16QAM	1	49	22.08	22.25	22.41	22.19	23.1	
20	16QAM	1	96	22.05	22.45	22.54	22.39	23.1	
20	16QAM	50	0	22.15	22.33	22.55	22.35	23.1	
20	16QAM	50	24	22.18	22.38	22.53	22.28	23.1	
20	16QAM	50	50	22.17	22.35	22.44	22.32	23.1	
20	16QAM	100	0	22.17	22.35	22.55	22.28	23.1	
20	64QAM	1	0	21.68	21.85	22.10	21.88	23.1	
20	64QAM	1	49	21.65	21.85	21.99	21.77	23.1	
20	64QAM	1	96	21.67	22.03	22.09	21.87	23.1	
20	64QAM	50	0	21.44	21.62	21.85	21.62	23.1	
20	64QAM	50	24	21.48	21.65	21.81	21.55	23.1	
20	64QAM	50	50	21.48	21.68	21.73	21.52	23.1	
20	64QAM	100	0	21.45	21.64	21.85	21.55	23.1	
20	256QAM	1	0	19.20	19.33	19.55	19.40	20.7	
20	256QAM	1	49	19.14	19.31	19.50	19.28	20.7	
20	256QAM	1	96	19.30	19.49	19.50	19.39	20.7	
20	256QAM	50	0	19.51	19.64	19.81	19.65	20.7	
20	256QAM	50	24	19.53	19.65	19.82	19.64	20.7	
20	256QAM	50	50	19.51	19.65	19.77	19.58	20.7	
20	256QAM	100	0	19.50	19.61	19.78	19.61	20.7	
Channel			5610	5650	5680	5720			
Frequency (MHz)			5670	5680	5680	5680			
15	QPSK	1	0	21.03	22.15	22.25	22.09	23.1	
15	QPSK	1	74	21.02	22.05	22.20	22.05	23.1	
15	QPSK	1	148	22.01	22.24	22.35	22.19	23.1	
15	QPSK	36	0	22.10	22.20	22.41	22.18	23.1	
15	QPSK	36	20	22.05	22.28	22.39	22.15	23.1	
15	QPSK	36	39	22.11	22.30	22.39	22.07	23.1	
15	QPSK	75	0	22.06	22.29	22.38	22.19	23.1	
15	16QAM	1	0	22.14	22.24	22.45	22.29	23.1	
15	16QAM	1	74	22.08	22.25	22.41	22.14	23.1	
15	16QAM	1	148	22.19	22.45	22.51	22.30	23.1	
15	16QAM	36	0	22.13	22.25	22.41	22.28	23.1	
15	16QAM	36	20	22.11	22.32	22.47	22.24	23.1	
15	16QAM	36	39	22.12	22.27	22.42	22.12	23.1	
15	16QAM	75	0	22.13	22.25	22.49	22.17	23.1	
15	64QAM	1	0	21.60	21.77	22.04	21.82	23.1	
15	64QAM	1	74	21.64	21.81	21.88	21.68	23.1	
15	64QAM	1	148	21.70	22.00	22.05	21.78	23.1	
15	64QAM	36	0	21.57	21.55	21.75	21.48	23.1	
15	64QAM	36	20	21.40	21.55	21.72	21.46	23.1	
15	64QAM	36	39	21.44	21.60	21.65	21.45	23.1	
15	64QAM	75	0	21.57	21.62	21.75	21.53	23.1	
15	256QAM	1	0	19.15	19.25	19.47	19.27	20.7	
15	256QAM	1	74	19.09	19.25	19.42	19.22	20.7	
15	256QAM	1	148	19.28	19.49	19.49	19.38	20.7	
15	256QAM	36	0	19.44	19.54	19.71	19.50	20.7	
15	256QAM	36	20	19.48	19.64	19.74	19.60	20.7	
15	256QAM	36	39	19.40	19.65	19.69	19.53	20.7	
15	256QAM	75	0	19.45	19.50	19.77	19.52	20.7	
Channel			5680	5680	5680	5680			
Frequency (MHz)			5680	5680	5680	5680			
10	QPSK	1	0	21.08	22.15	22.25	22.14	23.1	
10	QPSK	1	25	22.09	22.15	22.22	21.97	23.1	
10	QPSK	1	49	22.03	22.22	22.37	22.15	23.1	
10	QPSK	25	0	22.01	22.24	22.35	22.21	23.1	
10	QPSK	25	12	22.08	22.27	22.39	22.21	23.1	
10	QPSK	25	24	22.14	22.31	22.34	22.14	23.1	
10	QPSK	50	0	22.06	22.23	22.40	22.15	23.1	
10	16QAM	1	0	22.10	22.26	22.45	22.30	23.1	
10	16QAM	1	25	22.03	22.25	22.40	22.19	23.1	
10	16QAM	1	49	22.16	22.36	22.46	22.32	23.1	
10	16QAM	25	0	22.09	22.28	22.46	22.25	23.1	
10	16QAM	25	12	22.17	22.36	22.45	22.22	23.1	
10	16QAM	50	0	22.15	22.25	22.45	22.23	23.1	
10	64QAM	1	0	21.59	21.85	22.05	21.79	23.1	
10	64QAM	1	24	21.60	21.85	21.92	21.70	23.1	
10	64QAM	1	49	21.65	22.02	22.03	21.85	23.1	
10	64QAM	25	0	21.43	21.64	21.72	21.48	23.1	
10	64QAM	25	12	21.38	21.57	21.74	21.40	23.1	
10	64QAM	25	24	21.45	21.58	21.69	21.49	23.1	
10	64QAM	50	0	21.46	21.55	21.74	21.50	23.1	
10	256QAM	1	0	19.16	19.27	19.50	19.32	20.7	
10	256QAM	1	25	19.08	19.27	19.45	19.22	20.7	
10	256QAM	1	49	19.23	19.41	19.48	19.35	20.7	
10	256QAM	25	0	19.51	19.55	19.79	19.64	20.7	
10	256QAM	25	12	19.48	19.59	19.75	19.63	20.7	
10	256QAM	25	24	19.47	19.55	19.87	19.53	20.7	
10	256QAM	50	0	19.48	19.54	19.76	19.53	20.7	
Channel			5690	5690	5690	5690			
Frequency (MHz)			5690	5690	5690	5690			
5	QPSK	1	0	21.64	22.15	22.25	22.14	23.1	
5	QPSK	1	12	21.68	22.13	22.21	21.86	23.1	
5	QPSK	1	24	22.07	22.29	22.29	22.17	23.1	
5	QPSK	12	0	22.10	22.24	22.45	22.12	23.1	
5	QPSK	12	13	22.12	22.21	22.45	22.13	23.1	
5	QPSK	12	13	22.14	22.34	22.31	22.11	23.1	
5	QPSK	25	0	22.03	22.27	22.36	22.18	23.1	
5	16QAM	1	0	22.09	22.30	22.55	22.29	23.1	
5	16QAM	1	12	22.06	22.15	22.35	22.18	23.1	
5	16QAM	1	24	22.25	22.44	22.48	22.24	23.1	
5	16QAM	12	0	22.13	22.25	22.43	22.22	23.1	
5	16QAM	12	7	22.14	22.27	22.43	22.21	23.1	
5	16QAM	12	13	22.13	22.33	22.35	22.20	23.1	
5	16QAM	25	0	22.07	22.32	22.48	22.18	23.1	
5	64QAM	1	0	21.62	21.85	22.15	21.85	23.1	
5	64QAM	1	12	21.68	21.78	21.95	21.68	23.1	
5	64QAM	1	24	21.67	21.98	22.01	21.87	23.1	
5	64QAM	12	0	21.39	21.62	21.70	21.52	23.1	
5	64QAM	12	7	21.40	21.62	21.80	21.53	23.1	
5	64QAM	12	13	21.41	21.60	21.87	21.40	23.1	
5	64QAM	25	0	21.38	21.58	21.80	21.52	23.1	
5	256QAM	1	0	19.16	19.27	19.50	19.35	20.7	
5	256QAM	1	12	19.08	19.25	19.48	19.18	20.7	
5	256QAM	1	24	19.28	19.48	19.47	19.27	20.7	
5	256QAM	12	0	19.48	19.62	19.71	19.62	20.7	
5	256QAM	12	7	19.53	19.62	19.76	19.57	20.7	
5	256QAM	12	13	19.42	19.61	19.87	19.48	20.7	
5	256QAM	25	0	19.47	19.55	19.74	19.53	20.7	

Band 38_Ant 0							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	30000	38150	
Frequency (MHz)				2360	2500	2640	
20	QPSK	1	0	23.42	23.33	23.25	20.2
20	QPSK	1	49	23.42	23.35	23.27	
20	QPSK	1	96	23.40	23.38	23.29	
20	QPSK	50	0	22.59	22.42	22.40	24.2
20	QPSK	50	24	22.55	22.42	22.42	
20	QPSK	50	50	22.55	22.42	22.40	
20	QPSK	100	0	22.59	22.41	22.42	24.2
20	16QAM	1	0	22.57	22.48	22.40	
20	16QAM	1	49	22.52	22.48	22.37	
20	16QAM	1	96	22.57	22.47	22.44	23.2
20	16QAM	50	0	21.62	21.45	21.44	
20	16QAM	50	24	21.59	21.44	21.44	
20	16QAM	50	50	21.50	21.44	21.45	23.2
20	16QAM	100	0	21.59	21.44	21.44	
20	64QAM	1	0	21.28	21.22	21.22	23.2
20	64QAM	1	49	21.33	21.29	21.25	
20	64QAM	1	96	21.37	21.29	21.19	
20	64QAM	50	0	20.62	20.46	20.44	22.2
20	64QAM	50	24	20.63	20.47	20.45	
20	64QAM	50	50	20.59	20.45	20.44	
20	64QAM	100	0	20.60	20.42	20.44	20.2
20	256QAM	1	0	18.46	18.38	18.36	
20	256QAM	1	49	18.35	18.26	18.27	
20	256QAM	1	96	18.34	18.15	18.14	20.2
20	256QAM	50	0	18.71	18.52	18.50	
20	256QAM	50	24	18.66	18.51	18.51	
20	256QAM	50	50	18.63	18.39	18.33	20.2
20	256QAM	100	0	18.62	18.47	18.46	
Channel				3177.5	2997.5	3812.5	
Frequency (MHz)				2377.5	2517.5	2657.5	
15	QPSK	1	0	23.38	23.28	23.21	20.2
15	QPSK	1	37	23.40	23.35	23.27	
15	QPSK	1	74	23.34	23.23	23.27	
15	QPSK	36	0	22.56	22.34	22.34	24.2
15	QPSK	36	20	22.55	22.39	22.39	
15	QPSK	36	39	22.48	22.42	22.30	
15	QPSK	75	0	22.49	22.31	22.40	24.2
15	16QAM	1	0	22.47	22.40	22.34	
15	16QAM	1	37	22.42	22.38	22.28	
15	16QAM	1	74	22.54	22.35	22.37	23.2
15	16QAM	36	0	21.59	21.41	21.44	
15	16QAM	36	20	21.48	21.37	21.41	
15	16QAM	36	39	21.58	21.37	21.39	23.2
15	16QAM	75	0	21.51	21.44	21.38	
15	64QAM	1	0	21.25	21.23	21.21	
15	64QAM	1	37	21.31	21.23	21.22	23.2
15	64QAM	1	74	21.32	21.20	21.23	
15	64QAM	36	0	20.57	20.44	20.40	
15	64QAM	36	20	20.61	20.43	20.37	22.2
15	64QAM	36	39	20.58	20.45	20.37	
15	64QAM	75	0	20.54	20.37	20.39	
15	256QAM	1	0	18.37	18.27	18.27	20.2
15	256QAM	1	37	18.31	18.25	18.25	
15	256QAM	1	74	18.32	18.23	18.23	
15	256QAM	36	0	18.41	18.42	18.46	20.2
15	256QAM	36	20	18.43	18.47	18.35	
15	256QAM	36	39	18.53	18.38	18.31	
15	256QAM	75	0	18.41	18.47	18.38	20.2
Channel				31850	30000	38000	
Frequency (MHz)				2375	2515	2655	
10	QPSK	1	0	23.38	23.27	23.21	20.2
10	QPSK	1	25	23.34	23.34	23.27	
10	QPSK	1	49	23.31	23.38	23.24	
10	QPSK	25	0	22.55	22.41	22.36	24.2
10	QPSK	25	12	22.53	22.39	22.33	
10	QPSK	25	24	22.53	22.39	22.35	
10	QPSK	50	0	22.51	22.38	22.36	24.2
10	16QAM	1	0	22.47	22.38	22.31	
10	16QAM	1	25	22.44	22.39	22.37	
10	16QAM	1	49	22.54	22.46	22.34	23.2
10	16QAM	25	0	21.59	21.43	21.42	
10	16QAM	25	12	21.55	21.35	21.34	
10	16QAM	25	24	21.53	21.44	21.44	23.2
10	64QAM	1	0	21.27	21.22	21.22	
10	64QAM	1	25	21.27	21.22	21.22	
10	64QAM	1	49	21.33	21.21	21.23	22.2
10	64QAM	25	0	20.62	20.41	20.39	
10	64QAM	25	12	20.58	20.44	20.35	
10	64QAM	25	24	20.55	20.42	20.38	20.2
10	64QAM	50	0	20.55	20.38	20.37	
10	256QAM	1	0	18.39	18.31	18.32	
10	256QAM	1	25	18.28	18.24	18.21	20.2
10	256QAM	1	49	18.31	18.24	18.22	
10	256QAM	25	0	18.64	18.42	18.46	
10	256QAM	25	12	18.64	18.43	18.35	20.2
10	256QAM	25	24	18.58	18.35	18.24	
10	256QAM	50	0	18.58	18.41	18.45	
Channel				2522.5	2602.5	3017.5	
Frequency (MHz)				2372.5	2552.5	2722.5	
5	QPSK	1	0	23.39	23.24	23.25	20.2
5	QPSK	1	12	23.41	23.29	23.29	
5	QPSK	1	24	23.32	23.21	23.21	
5	QPSK	12	0	22.56	22.34	22.31	24.2
5	QPSK	12	6	22.48	22.35	22.35	
5	QPSK	12	13	22.65	22.32	22.38	
5	QPSK	25	0	22.53	22.41	22.37	24.2
5	16QAM	1	0	22.47	22.42	22.36	
5	16QAM	1	12	22.44	22.44	22.38	
5	16QAM	1	24	22.54	22.45	22.39	23.2
5	16QAM	12	0	21.54	21.43	21.37	
5	16QAM	12	7	21.59	21.39	21.44	
5	16QAM	12	13	21.59	21.43	21.39	23.2
5	16QAM	25	0	21.59	21.40	21.34	
5	64QAM	1	0	21.20	21.25	21.22	
5	64QAM	1	12	21.31	21.23	21.23	22.2
5	64QAM	1	24	21.39	21.23	21.21	
5	64QAM	12	0	20.64	20.35	20.38	
5	64QAM	12	7	20.56	20.37	20.35	22.2
5	64QAM	12	13	20.53	20.45	20.38	
5	64QAM	25	0	20.60	20.35	20.42	
5	256QAM	1	0	18.45	18.37	18.34	20.2
5	256QAM	1	12	18.28	18.24	18.27	
5	256QAM	1	24	18.28	18.20	18.22	
5	256QAM	12	0	18.63	18.51	18.46	20.2
5	256QAM	12	7	18.63	18.42	18.42	
5	256QAM	12	13	18.56	18.39	18.27	
5	256QAM	25	0	18.52	18.39	18.42	

Band 41_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up Int (sec)
Channel				39750	40180	40610	41050	41490		
Frequency (MHz)				2560	26030	26460	26890	27320	27750	
20	QPSK	1	0	23.93	23.99	23.83	23.74	23.72	23.72	25.5
20	QPSK	1	49	23.99	24.01	23.84	24.03	24.02	24.02	
20	QPSK	1	99	23.99	23.99	23.83	23.76	23.74	23.74	
20	QPSK	50	24	23.18	23.19	22.94	23.12	23.12	23.12	
20	QPSK	50	50	23.14	23.18	22.92	23.03	23.11	23.05	24.5
20	QPSK	100	0	23.15	23.19	22.95	22.93	22.95	22.95	
20	HQDM	1	0	23.11	23.12	22.86	22.98	22.93	22.93	
20	HQDM	50	0	22.19	22.21	21.97	22.01	22.01	22.01	
20	HQDM	50	24	22.20	22.21	21.99	22.17	22.16	22.16	23.5
20	HQDM	50	50	22.18	22.19	21.97	22.05	22.05	22.05	
20	HQDM	100	0	22.15	22.21	21.94	22.04	22.06	22.06	
20	HQDM	1	0	21.80	21.84	21.59	21.52	21.42	21.42	
20	HQDM	1	49	21.85	21.84	21.58	21.82	21.86	21.86	23.5
20	HQDM	1	99	21.87	21.91	21.72	21.97	21.79	21.79	
20	HQDM	50	0	21.18	21.24	21.00	21.00	21.00	21.00	
20	HQDM	50	24	21.19	21.24	21.00	21.17	21.17	21.17	
20	HQDM	50	50	21.19	21.21	20.97	21.05	21.14	21.14	22.5
20	SSQDM	1	0	19.03	19.04	18.92	18.79	18.59	18.59	
20	SSQDM	1	49	18.93	18.88	18.74	18.92	18.95	18.95	
20	SSQDM	1	99	18.99	18.94	18.74	18.49	18.93	18.93	
20	SSQDM	50	0	19.31	19.22	19.10	19.29	19.25	19.25	
20	SSQDM	50	24	19.25	19.21	19.02	19.25	19.25	19.25	20.5
20	SSQDM	50	50	19.22	19.18	19.02	19.08	19.16	19.16	
20	SSQDM	100	0	19.20	19.19	19.02	19.09	19.12	19.12	
Channel				39750	40180	40610	41050	41490		
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
15	QPSK	1	0	23.91	23.98	23.77	23.85	23.74	23.74	25.5
15	QPSK	1	37	23.93	23.95	23.75	24.02	23.94	23.94	
15	QPSK	1	74	23.94	24.07	23.82	23.83	23.87	23.87	
15	QPSK	50	0	23.04	23.10	22.83	22.83	22.86	22.86	
15	QPSK	50	25	23.12	23.15	22.89	23.08	23.12	23.12	24.5
15	QPSK	50	50	23.11	23.18	22.92	23.07	23.10	23.10	
15	QPSK	1	0	23.10	23.15	22.91	23.00	23.06	23.06	
15	HQDM	1	0	23.09	23.15	22.83	23.08	22.86	22.86	
15	HQDM	1	37	23.03	23.03	22.82	23.14	23.10	23.10	24.5
15	HQDM	1	74	23.14	23.25	23.01	22.92	23.11	23.11	
15	HQDM	50	0	22.01	22.13	21.89	21.98	21.99	21.99	
15	HQDM	50	25	22.10	22.14	21.89	22.03	22.07	22.07	
15	HQDM	50	50	22.09	22.11	21.87	22.04	22.07	22.07	23.5
15	HQDM	75	0	22.13	22.17	21.86	22.04	22.07	22.07	
15	HQDM	1	0	21.12	21.84	21.65	21.74	21.57	21.57	
15	HQDM	1	37	21.85	21.84	21.64	21.93	21.89	21.89	
15	HQDM	1	74	21.89	21.95	21.74	21.86	21.86	21.86	23.5
15	HQDM	50	0	21.00	21.20	20.95	21.03	21.03	21.03	
15	HQDM	50	25	21.15	21.16	20.95	21.09	21.14	21.14	
15	HQDM	50	50	21.16	21.19	20.95	21.02	21.08	21.08	
15	SSQDM	1	0	19.03	19.04	18.92	18.79	18.59	18.59	22.5
15	SSQDM	1	37	19.04	19.04	18.75	19.04	19.01	19.01	
15	SSQDM	1	74	18.94	18.93	18.69	18.45	18.74	18.74	
15	SSQDM	50	0	19.25	19.13	19.05	19.07	19.03	19.03	
15	SSQDM	50	25	19.23	19.13	19.07	19.29	19.21	19.21	
15	SSQDM	50	50	19.20	19.11	18.94	19.03	19.07	19.07	20.5
15	SSQDM	50	75	19.17	19.08	18.97	19.09	19.12	19.12	
15	SSQDM	100	0	19.17	19.08	18.97	19.09	19.12	19.12	
Channel				39750	40180	40610	41050	41490		
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
10	QPSK	1	0	23.91	23.94	23.70	23.83	23.72	23.72	25.5
10	QPSK	1	25	23.81	23.85	23.70	24.02	23.87	23.87	
10	QPSK	1	49	23.94	23.98	23.81	23.77	23.85	23.85	
10	QPSK	25	0	23.03	23.10	22.89	22.85	22.91	22.91	
10	QPSK	25	12	23.03	23.13	22.86	23.00	23.09	23.09	24.5
10	QPSK	50	24	23.06	23.07	22.82	23.00	23.06	23.06	
10	QPSK	50	0	23.05	23.12	22.84	22.93	22.96	22.96	
10	QPSK	1	0	23.00	23.05	22.80	22.93	22.95	22.95	
10	HQDM	1	25	22.97	22.93	22.89	23.05	23.02	23.02	24.5
10	HQDM	1	49	23.10	23.20	23.02	22.91	23.09	23.09	
10	HQDM	50	0	21.04	22.07	21.86	21.93	21.96	21.96	
10	HQDM	25	12	22.09	22.14	21.85	22.02	22.00	22.00	
10	HQDM	50	25	22.07	22.02	21.86	21.96	22.05	22.05	23.5
10	HQDM	50	0	22.08	22.08	21.93	21.99	22.05	22.05	
10	HQDM	1	0	21.70	21.79	21.65	21.86	21.51	21.51	
10	HQDM	1	25	21.77	21.80	21.60	21.86	21.79	21.79	
10	HQDM	1	49	21.80	21.86	21.73	21.58	21.85	21.85	23.5
10	HQDM	25	0	21.00	21.20	20.97	20.96	20.97	20.97	
10	HQDM	50	12	21.07	21.11	20.91	20.99	21.07	21.07	
10	HQDM	50	25	21.09	21.12	20.92	21.07	21.07	21.07	
10	HQDM	50	0	21.14	21.17	20.98	20.96	21.04	21.04	22.5
10	SSQDM	1	0	19.09	18.98	18.86	18.70	18.56	18.56	
10	SSQDM	1	25	18.99	18.83	18.69	18.90	19.87	19.87	
10	SSQDM	1	49	18.96	18.93	18.73	18.40	18.80	18.80	
10	SSQDM	25	0	19.25	19.13	19.07	19.05	19.06	19.06	
10	SSQDM	25	12	19.21	19.12	19.05	19.27	19.24	19.24	20.5
10	SSQDM	25	25	19.17	19.15	19.05	19.08	19.09	19.09	
10	SSQDM	50	0	19.18	19.05	19.01	19.01	19.03	19.03	
Channel				39750	40180	40610	41050	41490		
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
5	QPSK	1	0	23.84	23.94	23.73	23.81	23.72	23.72	25.5
5	QPSK	1	12	23.80	23.91	23.75	23.92	23.85	23.85	
5	QPSK	1	24	23.87	23.99	23.80	23.79	23.92	23.92	
5	QPSK	12	0	23.01	23.09	22.82	22.84	22.94	22.93	
5	QPSK	12	7	23.12	23.15	22.91	22.96	23.04	23.03	24.5
5	QPSK	12	13	23.09	23.09	22.90	23.04	23.08	23.08	
5	QPSK	25	0	23.02	23.07	22.86	22.91	23.00	23.00	
5	QPSK	25	12	23.00	23.07	22.82	22.91	23.02	23.04	
5	HQDM	1	0	23.00	23.05	22.80	23.02	22.84	22.84	24.5
5	HQDM	1	12	22.94	22.95	22.73	23.04	23.03	23.03	
5	HQDM	1	24	23.10	23.24	22.90	22.85	23.09	23.09	
5	HQDM	12	0	21.04	22.07	21.81	21.98	21.90	21.90	
5	HQDM	12	7	22.08	22.11	21.80	21.96	21.97	21.97	23.5
5	HQDM	12	13	22.02	22.04	21.82	21.98	21.95	21.95	
5	HQDM	25	0	22.12	22.11	21.94	22.09	22.09	22.09	
5	HQDM	1	0	21.68	21.84	21.58	21.74	21.47	21.47	
5	HQDM	1	12	21.76	21.83	21.59	21.89	21.85	21.85	23.5
5	HQDM	1	24	21.82	21.89	21.73	21.49	21.82	21.82	
5	HQDM	1	0	20.08	21.12	20.85	21.01	21.03	21.03	
5	HQDM	12	7	21.06	21.08	20.85	21.06	21.06	21.07	
5	HQDM	13	13	21.14	21.16	20.90	20.90	21.06	21.06	20.5
5	HQDM	25	0	21.10	21.15	20.86	20.92	21.01	21.01	
5	SSQDM	1	0	19.01	18.99	18.86	18.70	18.56	18.56	20.5
5	SSQDM	1	12	19.01	18.98	18.73	19.21	19.21	19.21	
5	SSQDM	1	24	18.94	18.88	18.72	18.43	18.80	18.80	
5	SSQDM	12	0	19.21	19.10	19.03	19.07	19.05	19.05	
5	SSQDM	12	7	19.21	19.12	19.04	19.21	19.21	19.21	
5	SSQDM	12	13	19.20	19.09	18.96	19.08	19.09	19.09	

Band 41 HPUE_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)
Channel				39750	40180	40610	41040	41470	41900	
Frequency (MHz)				2560	26030	26460	26890	27320	27750	
26	QPSK	1	0	25.81	25.85	25.91	25.96	26.01	26.06	27
26	QPSK	1	49	25.81	25.85	25.91	25.96	26.01	26.06	
26	QPSK	1	99	25.75	25.88	25.91	25.95	26.00	26.04	
26	QPSK	50	0	24.26	24.58	24.73	24.89	24.99	25.09	26
26	QPSK	50	24	24.26	24.58	24.73	24.89	24.99	25.09	
26	QPSK	50	50	24.35	24.97	24.73	24.91	25.02	25.13	
26	QPSK	100	0	24.58	24.99	24.73	24.93	24.96	25.00	26
26	HQDM	1	0	24.59	24.99	24.88	24.92	24.76	24.76	
26	HQDM	1	49	24.99	25.01	24.82	25.18	25.20	25.20	
26	HQDM	1	99	25.02	25.04	24.94	24.77	25.07	25.07	25
26	HQDM	50	0	23.99	24.01	23.76	23.91	23.91	23.91	
26	HQDM	50	24	24.00	24.04	23.77	24.98	24.07	24.07	
26	HQDM	50	50	24.00	24.00	23.71	23.96	24.04	24.04	
26	HQDM	100	0	23.98	24.01	23.76	23.96	23.99	23.99	25
26	HQDM	1	0	23.81	23.84	23.65	23.73	23.65	23.65	
26	HQDM	1	49	23.87	23.89	23.66	24.06	24.09	24.09	
26	HQDM	1	99	23.89	23.88	23.71	23.90	23.95	23.95	
26	HQDM	50	0	23.01	23.05	22.79	22.96	23.00	23.00	24
26	HQDM	50	24	22.99	23.05	22.78	23.06	23.05	23.05	
26	HQDM	50	50	23.01	23.01	22.80	22.87	23.04	23.04	
26	HQDM	100	0	23.00	23.03	22.78	22.90	22.97	22.97	
26	SSBQAM	1	0	20.86	20.85	20.80	20.88	20.86	20.86	22
26	SSBQAM	1	49	20.88	20.74	20.63	20.93	21.11	21.11	
26	SSBQAM	1	99	20.87	20.81	20.61	20.96	20.95	20.95	
26	SSBQAM	50	0	21.11	21.04	20.94	20.95	21.00	21.00	
26	SSBQAM	50	24	21.08	21.00	20.88	21.12	21.00	21.00	22
26	SSBQAM	50	50	21.03	21.00	20.81	20.95	21.05	21.05	
26	SSBQAM	100	0	21.02	20.97	20.85	20.99	20.97	20.97	
Channel				39750	40180	40610	41040	41470	41900	
Frequency (MHz)				2563.5	26065	26495	26925	27355	27785	
15	QPSK	1	0	25.81	25.87	25.96	26.03	26.10	26.16	27
15	QPSK	1	37	25.82	25.84	25.92	26.00	26.07	26.14	
15	QPSK	1	74	25.88	25.83	25.84	25.81	25.88	25.88	
15	QPSK	36	0	24.00	24.06	24.03	24.05	24.05	24.05	26
15	QPSK	36	36	24.99	24.98	24.71	24.93	25.02	25.02	
15	QPSK	36	50	24.95	24.88	24.68	24.87	24.92	24.92	
15	QPSK	1	0	24.02	24.90	24.94	24.88	24.74	24.74	26
15	HQDM	1	0	24.59	24.91	24.82	24.89	24.78	24.78	
15	HQDM	1	37	24.94	24.96	24.79	24.97	24.97	24.97	
15	HQDM	1	74	24.99	25.04	24.78	24.77	24.95	24.95	25
15	HQDM	36	0	23.95	23.93	23.76	23.88	23.84	23.84	
15	HQDM	36	36	23.96	23.94	23.76	24.05	24.07	24.07	
15	HQDM	36	50	23.95	23.95	23.69	23.92	24.04	24.04	
15	HQDM	79	0	23.95	24.00	23.65	23.92	23.98	23.98	
15	HQDM	1	0	23.81	23.78	23.65	23.86	23.86	23.86	25
15	HQDM	1	37	23.79	23.82	23.64	24.04	24.07	24.07	
15	HQDM	1	74	23.78	23.86	23.68	23.93	23.96	23.96	
15	HQDM	36	0	22.91	22.98	22.72	22.98	22.95	22.95	24
15	HQDM	36	20	22.93	23.04	22.76	22.96	22.96	22.96	
15	HQDM	36	39	22.94	23.00	22.71	22.87	22.90	22.90	
15	HQDM	79	0	22.90	22.93	22.78	22.92	22.87	22.87	
15	SSBQAM	1	0	20.85	20.79	20.60	20.85	20.85	20.85	22
15	SSBQAM	1	37	20.85	20.85	20.58	20.90	20.90	20.90	
15	SSBQAM	1	74	20.77	20.75	20.55	20.89	20.86	20.86	
15	SSBQAM	36	0	21.00	20.94	20.85	20.94	20.91	20.91	22
15	SSBQAM	36	20	20.96	20.90	20.85	21.12	21.08	21.08	
15	SSBQAM	36	50	21.02	20.91	20.81	20.95	21.01	21.01	
15	SSBQAM	79	0	21.02	20.95	20.85	20.89	20.89	20.89	
Channel				39750	40180	40610	41040	41470	41900	
Frequency (MHz)				2564	26070	26500	26930	27360	27790	
10	QPSK	1	0	25.54	25.58	25.43	25.55	25.44	25.44	27
10	QPSK	1	25	25.53	25.58	25.34	25.89	25.77	25.77	
10	QPSK	1	49	25.53	25.58	25.45	25.45	25.73	25.73	
10	QPSK	25	0	24.92	24.98	24.63	24.88	24.81	24.81	26
10	QPSK	25	12	24.90	24.98	24.64	25.02	24.97	24.97	
10	QPSK	25	24	24.94	24.98	24.64	24.89	24.91	24.91	
10	QPSK	50	0	24.91	24.93	24.69	24.91	24.90	24.90	
10	HQDM	1	0	24.94	24.97	24.67	24.91	24.72	24.72	26
10	HQDM	1	25	24.94	24.98	24.61	25.12	25.17	25.17	
10	HQDM	1	49	24.98	25.00	24.77	24.75	25.05	25.05	
10	HQDM	25	0	23.93	23.97	23.68	23.82	23.89	23.89	25
10	HQDM	25	12	23.98	23.97	23.78	24.06	24.07	24.07	
10	HQDM	25	25	23.93	23.92	23.77	23.89	24.03	24.03	
10	HQDM	50	0	23.94	23.97	23.75	23.92	23.96	23.96	
10	HQDM	1	0	23.79	23.77	23.69	23.89	23.99	23.99	25
10	HQDM	1	25	23.81	23.84	23.69	24.01	24.01	24.01	
10	HQDM	1	49	23.82	23.82	23.69	23.92	23.88	23.88	
10	HQDM	25	0	22.94	22.98	22.76	22.87	22.88	22.88	24
10	HQDM	25	12	22.99	23.00	22.78	23.06	22.96	22.96	
10	HQDM	25	25	22.97	22.98	22.74	22.87	23.01	23.01	
10	HQDM	50	0	22.94	23.06	22.68	22.90	23.00	23.00	
10	SSBQAM	1	0	20.89	20.84	20.74	20.84	20.79	20.79	22
10	SSBQAM	1	25	20.80	20.74	20.54	20.86	21.00	21.00	
10	SSBQAM	1	49	20.85	20.78	20.61	20.81	20.88	20.88	
10	SSBQAM	25	0	21.05	20.99	20.83	20.90	20.92	20.92	
10	SSBQAM	25	12	20.98	20.98	20.80	21.05	21.07	21.07	22
10	SSBQAM	25	25	20.94	20.90	20.80	20.91	20.90	20.90	
10	SSBQAM	50	0	20.97	20.89	20.78	20.99	20.91	20.91	
Channel				39750	40180	40610	41040	41470	41900	
Frequency (MHz)				2568.5	26115	26545	26975	27405	27835	
5	QPSK	1	0	25.58	25.65	25.42	25.48	25.41	25.41	27
5	QPSK	1	12	25.57	25.64	25.39	25.88	25.79	25.79	
5	QPSK	1	24	25.65	25.59	25.41	25.38	25.65	25.65	
5	QPSK	12	0	24.91	24.97	24.72	24.95	24.96	24.96	26
5	QPSK	12	7	24.95	24.95	24.69	25.03	24.95	24.95	
5	QPSK	12	13	24.85	24.90	24.72	24.87	24.87	24.87	
5	QPSK	25	0	24.05	24.05	24.05	24.05	24.06	24.06	26
5	HQDM	1	0	24.90	24.91	24.67	24.90	24.76	24.76	
5	HQDM	1	12	24.92	24.97	24.70	25.13	25.16	25.16	26
5	HQDM	1	24	24.97	24.94	24.79	24.73	25.03	25.03	
5	HQDM	12	0	23.99	24.01	23.71	23.83	23.84	23.84	
5	HQDM	12	7	23.98	23.96	23.68	24.13	24.05	24.05	25
5	HQDM	12	13	24.00	23.98	23.67	23.93	24.03	24.03	
5	HQDM	25	0	23.92	23.98	23.69	23.95	23.89	23.89	
5	HQDM	1	0	23.72	23.80	23.61	23.88	23.96	23.96	25
5	HQDM	1	12	23.87	23.81	23.55	24.06	24.04	24.04	
5	HQDM	1	24	23.94	23.80	23.69	23.95	23.99	23.99	
5	HQDM	1	0	22.95	23.00	22.75	22.88	22.96	22.96	24
5	HQDM	12	7	22.97	22.95	22.72	23.01	22.98	22.98	
5	HQDM	1	13	22.98	22.95	22.77	22.97	23.01	23.01	
5	HQDM	25	0	22.98	22.99	22.74	22.99	22.95	22.95	
5	SSBQAM	1	0	20.78	20.80	20.74	20.68	20.83	20.83	22
5	SSBQAM	1	12	20.79	20.70	20.56	20.85	21.11	21.11	
5	SSBQAM	1	24	20.87	20.78	20.55	20.47	20.90	20.90	
5	SSBQAM	12	0	21.08	20.95	20.80	20.89	20.94	20.94	22
5	SSBQAM	12	7	21.02	21.00	20.85	21.03	21.03	21.03	
5	SSBQAM	12	13	21.02	20.90	20.74	20.88	20.98	20.98	
5	SSBQAM	25	0	20.94	20.88	20.76	20.95	20.87	20.87	

Band 48_Ant 2									
Int. (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Power Avg Ch / Freq	Take-up time (dBm)
Channel				5540	5580	5610	5650	5690	24.1
Frequency (MHz)				5540	5580	5610	5650	5690	
20	QPSK	1	0	22.85	22.85	22.85	22.85	22.85	24.1
20	QPSK	1	40	22.85	22.85	22.85	22.85	22.85	
20	QPSK	1	80	22.85	22.85	22.85	22.85	22.85	
20	QPSK	1	120	22.85	22.85	22.85	22.85	22.85	
20	QPSK	50	0	22.85	22.85	22.85	22.85	22.85	24.1
20	QPSK	50	40	22.85	22.85	22.85	22.85	22.85	
20	QPSK	50	80	22.85	22.85	22.85	22.85	22.85	
20	QPSK	50	120	22.85	22.85	22.85	22.85	22.85	
20	16QAM	1	0	22.77	22.77	22.77	22.77	22.77	24.1
20	16QAM	1	40	22.77	22.77	22.77	22.77	22.77	
20	16QAM	1	80	22.77	22.77	22.77	22.77	22.77	
20	16QAM	1	120	22.77	22.77	22.77	22.77	22.77	
20	16QAM	50	0	22.77	22.77	22.77	22.77	22.77	23.7
20	16QAM	50	40	22.77	22.77	22.77	22.77	22.77	
20	16QAM	50	80	22.77	22.77	22.77	22.77	22.77	
20	16QAM	50	120	22.77	22.77	22.77	22.77	22.77	
20	64QAM	1	0	22.60	22.60	22.60	22.60	22.60	23.7
20	64QAM	1	40	22.60	22.60	22.60	22.60	22.60	
20	64QAM	1	80	22.60	22.60	22.60	22.60	22.60	
20	64QAM	1	120	22.60	22.60	22.60	22.60	22.60	
20	64QAM	50	0	22.60	22.60	22.60	22.60	22.60	22.7
20	64QAM	50	40	22.60	22.60	22.60	22.60	22.60	
20	64QAM	50	80	22.60	22.60	22.60	22.60	22.60	
20	64QAM	50	120	22.60	22.60	22.60	22.60	22.60	
20	256QAM	1	0	18.45	18.45	18.45	18.45	18.45	20.7
20	256QAM	1	40	18.45	18.45	18.45	18.45	18.45	
20	256QAM	1	80	18.45	18.45	18.45	18.45	18.45	
20	256QAM	1	120	18.45	18.45	18.45	18.45	18.45	
20	256QAM	50	0	18.45	18.45	18.45	18.45	18.45	20.7
20	256QAM	50	40	18.45	18.45	18.45	18.45	18.45	
20	256QAM	50	80	18.45	18.45	18.45	18.45	18.45	
20	256QAM	50	120	18.45	18.45	18.45	18.45	18.45	
Channel				5690	5730	5760	5800	5840	24.1
Frequency (MHz)				5690	5730	5760	5800	5840	
15	QPSK	1	0	22.85	22.85	22.85	22.85	22.85	24.1
15	QPSK	1	40	22.85	22.85	22.85	22.85	22.85	
15	QPSK	1	80	22.85	22.85	22.85	22.85	22.85	
15	QPSK	1	120	22.85	22.85	22.85	22.85	22.85	
15	QPSK	50	0	22.85	22.85	22.85	22.85	22.85	24.1
15	QPSK	50	40	22.85	22.85	22.85	22.85	22.85	
15	QPSK	50	80	22.85	22.85	22.85	22.85	22.85	
15	QPSK	50	120	22.85	22.85	22.85	22.85	22.85	
15	16QAM	1	0	22.77	22.77	22.77	22.77	22.77	24.1
15	16QAM	1	40	22.77	22.77	22.77	22.77	22.77	
15	16QAM	1	80	22.77	22.77	22.77	22.77	22.77	
15	16QAM	1	120	22.77	22.77	22.77	22.77	22.77	
15	16QAM	50	0	22.77	22.77	22.77	22.77	22.77	23.7
15	16QAM	50	40	22.77	22.77	22.77	22.77	22.77	
15	16QAM	50	80	22.77	22.77	22.77	22.77	22.77	
15	16QAM	50	120	22.77	22.77	22.77	22.77	22.77	
15	64QAM	1	0	22.60	22.60	22.60	22.60	22.60	22.7
15	64QAM	1	40	22.60	22.60	22.60	22.60	22.60	
15	64QAM	1	80	22.60	22.60	22.60	22.60	22.60	
15	64QAM	1	120	22.60	22.60	22.60	22.60	22.60	
15	64QAM	50	0	22.60	22.60	22.60	22.60	22.60	20.7
15	64QAM	50	40	22.60	22.60	22.60	22.60	22.60	
15	64QAM	50	80	22.60	22.60	22.60	22.60	22.60	
15	64QAM	50	120	22.60	22.60	22.60	22.60	22.60	
15	256QAM	1	0	18.45	18.45	18.45	18.45	18.45	20.7
15	256QAM	1	40	18.45	18.45	18.45	18.45	18.45	
15	256QAM	1	80	18.45	18.45	18.45	18.45	18.45	
15	256QAM	1	120	18.45	18.45	18.45	18.45	18.45	
15	256QAM	50	0	18.45	18.45	18.45	18.45	18.45	20.7
15	256QAM	50	40	18.45	18.45	18.45	18.45	18.45	
15	256QAM	50	80	18.45	18.45	18.45	18.45	18.45	
15	256QAM	50	120	18.45	18.45	18.45	18.45	18.45	
Channel				5840	5880	5910	5950	5990	24.1
Frequency (MHz)				5840	5880	5910	5950	5990	
5	QPSK	1	0	22.85	22.85	22.85	22.85	22.85	24.1
5	QPSK	1	40	22.85	22.85	22.85	22.85	22.85	
5	QPSK	1	80	22.85	22.85	22.85	22.85	22.85	
5	QPSK	1	120	22.85	22.85	22.85	22.85	22.85	
5	QPSK	50	0	22.85	22.85	22.85	22.85	22.85	24.1
5	QPSK	50	40	22.85	22.85	22.85	22.85	22.85	
5	QPSK	50	80	22.85	22.85	22.85	22.85	22.85	
5	QPSK	50	120	22.85	22.85	22.85	22.85	22.85	
5	16QAM	1	0	22.77	22.77	22.77	22.77	22.77	24.1
5	16QAM	1	40	22.77	22.77	22.77	22.77	22.77	
5	16QAM	1	80	22.77	22.77	22.77	22.77	22.77	
5	16QAM	1	120	22.77	22.77	22.77	22.77	22.77	
5	16QAM	50	0	22.77	22.77	22.77	22.77	22.77	23.7
5	16QAM	50	40	22.77	22.77	22.77	22.77	22.77	
5	16QAM	50	80	22.77	22.77	22.77	22.77	22.77	
5	16QAM	50	120	22.77	22.77	22.77	22.77	22.77	
5	64QAM	1	0	22.60	22.60	22.60	22.60	22.60	22.7
5	64QAM	1	40	22.60	22.60	22.60	22.60	22.60	
5	64QAM	1	80	22.60	22.60	22.60	22.60	22.60	
5	64QAM	1	120	22.60	22.60	22.60	22.60	22.60	
5	64QAM	50	0	22.60	22.60	22.60	22.60	22.60	20.7
5	64QAM	50	40	22.60	22.60	22.60	22.60	22.60	
5	64QAM	50	80	22.60	22.60	22.60	22.60	22.60	
5	64QAM	50	120	22.60	22.60	22.60	22.60	22.60	
5	256QAM	1	0	18.45	18.45	18.45	18.45	18.45	20.7
5	256QAM	1	40	18.45	18.45	18.45	18.45	18.45	
5	256QAM	1	80	18.45	18.45	18.45	18.45	18.45	
5	256QAM	1	120	18.45	18.45	18.45	18.45	18.45	
5	256QAM	50	0	18.45	18.45	18.45	18.45	18.45	20.7
5	256QAM	50	40	18.45	18.45	18.45	18.45	18.45	
5	256QAM	50	80	18.45	18.45	18.45	18.45	18.45	
5	256QAM	50	120	18.45	18.45	18.45	18.45	18.45	

Band 38_Ant 2							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	36000	38150	
Frequency (MHz)				2460	2560	2660	
20	QPSK	1	0	24.68	24.63	24.52	20.7
20	QPSK	1	49	24.69	24.64	24.52	
20	QPSK	1	96	24.68	24.63	24.48	
20	QPSK	50	0	23.87	23.70	23.69	24.7
20	QPSK	50	24	23.86	23.70	23.68	
20	QPSK	50	50	23.87	23.70	23.69	
20	QPSK	100	0	23.88	23.71	23.68	24.7
20	16QAM	1	0	23.81	23.74	23.67	
20	16QAM	1	49	23.79	23.72	23.61	
20	16QAM	1	96	23.81	23.69	23.61	23.7
20	16QAM	50	0	22.91	22.76	22.73	
20	16QAM	50	24	22.90	22.75	22.70	
20	16QAM	50	50	22.90	22.75	22.68	23.7
20	16QAM	100	0	22.89	22.78	22.76	
20	64QAM	1	0	23.57	22.41	22.42	22.7
20	64QAM	1	49	23.53	22.46	22.36	
20	64QAM	1	96	23.58	22.39	22.42	
20	64QAM	50	0	22.40	21.76	21.70	22.7
20	64QAM	50	24	22.05	21.77	21.70	
20	64QAM	50	50	22.62	21.74	21.70	
20	256QAM	1	0	19.77	19.78	19.81	20.7
20	256QAM	1	49	19.70	19.68	19.59	
20	256QAM	1	96	19.73	19.57	19.54	
20	256QAM	50	0	20.07	19.96	19.97	20.7
20	256QAM	50	24	20.02	19.92	19.93	
20	256QAM	50	50	20.01	19.83	19.87	
20	256QAM	100	0	20.03	19.92	19.91	
Channel				2177.5	2500	2822.5	
Frequency (MHz)				2477.5	2450	2430	
15	QPSK	1	0	24.60	24.52	24.59	20.7
15	QPSK	1	37	24.05	24.50	24.35	
15	QPSK	1	74	24.59	24.52	24.38	
15	QPSK	36	0	23.77	23.63	23.58	24.7
15	QPSK	36	20	23.80	23.73	23.58	
15	QPSK	36	39	23.75	23.61	23.58	
15	QPSK	75	0	23.78	23.63	23.58	24.7
15	16QAM	1	0	23.78	23.68	23.58	
15	16QAM	1	37	23.60	23.50	23.43	
15	16QAM	1	74	23.74	23.63	23.54	23.7
15	16QAM	36	0	22.78	22.64	22.55	
15	16QAM	36	20	22.74	22.68	22.54	
15	16QAM	36	39	22.74	22.58	22.54	23.7
15	16QAM	75	0	22.79	22.65	22.60	
15	64QAM	1	0	22.90	22.30	22.30	
15	64QAM	1	37	22.44	22.37	22.23	22.7
15	64QAM	1	74	22.44	22.29	22.26	
15	64QAM	36	0	21.82	21.87	21.81	
15	64QAM	36	20	21.80	21.73	21.61	22.7
15	64QAM	36	39	21.81	21.65	21.58	
15	64QAM	75	0	21.81	21.65	21.61	
15	256QAM	1	0	19.72	19.72	19.75	20.7
15	256QAM	1	37	19.07	19.05	19.05	
15	256QAM	1	74	19.72	19.55	19.49	
15	256QAM	36	0	19.08	19.00	19.00	20.7
15	256QAM	36	20	19.05	18.96	19.01	
15	256QAM	36	39	19.08	18.93	19.04	
15	256QAM	75	0	19.09	19.01	19.09	
Channel				31850	36000	38050	
Frequency (MHz)				2477.5	2500	2622.5	
10	QPSK	1	0	24.63	24.61	24.42	20.7
10	QPSK	1	25	24.61	24.55	24.41	
10	QPSK	1	49	24.67	24.67	24.42	
10	QPSK	25	0	23.74	23.59	23.52	24.7
10	QPSK	25	12	23.75	23.69	23.52	
10	QPSK	25	24	23.74	23.60	23.51	
10	QPSK	50	0	23.75	23.61	23.53	24.7
10	16QAM	1	0	23.81	23.68	23.52	
10	16QAM	1	25	23.72	23.64	23.51	
10	16QAM	1	49	23.79	23.68	23.47	23.7
10	16QAM	25	0	22.74	22.69	22.53	
10	16QAM	25	12	22.76	22.72	22.58	
10	16QAM	25	24	22.74	22.67	22.48	23.7
10	64QAM	1	0	22.67	22.39	22.32	
10	64QAM	1	24	22.54	22.43	22.30	
10	64QAM	1	49	22.50	22.39	22.30	22.7
10	64QAM	25	0	21.81	21.87	21.81	
10	64QAM	25	12	21.83	21.75	21.63	
10	64QAM	25	24	21.82	21.78	21.60	20.7
10	64QAM	50	0	21.76	21.60	21.57	
10	256QAM	1	0	19.09	19.72	19.79	
10	256QAM	1	25	19.05	19.59	19.58	20.7
10	256QAM	1	49	19.09	19.52	19.48	
10	256QAM	25	0	19.08	19.00	19.01	
10	256QAM	25	12	19.04	18.93	19.00	20.7
10	256QAM	25	24	19.01	19.76	19.82	
10	256QAM	50	0	20.01	19.84	19.86	
Channel				2572.5	2600	2627.5	
Frequency (MHz)				2572.5	2500	2627.5	
5	QPSK	1	0	24.58	24.53	24.37	20.7
5	QPSK	1	12	24.54	24.40	24.35	
5	QPSK	1	24	24.59	24.52	24.33	
5	QPSK	12	0	23.68	23.54	23.48	24.7
5	QPSK	12	6	23.72	23.64	23.50	
5	QPSK	12	13	23.71	23.66	23.49	
5	QPSK	25	0	23.72	23.65	23.45	24.7
5	16QAM	1	0	23.72	23.67	23.52	
5	16QAM	1	12	23.75	23.68	23.50	
5	16QAM	1	24	23.75	23.68	23.52	23.7
5	16QAM	12	0	22.67	22.60	22.46	
5	16QAM	12	7	22.72	22.69	22.47	
5	16QAM	12	13	22.67	22.62	22.45	23.7
5	16QAM	25	0	22.73	22.68	22.52	
5	64QAM	1	0	22.51	22.43	22.35	
5	64QAM	1	12	22.54	22.44	22.30	22.7
5	64QAM	1	24	22.54	22.45	22.28	
5	64QAM	12	0	21.76	21.71	21.53	
5	64QAM	12	7	21.77	21.70	21.55	22.7
5	64QAM	12	13	21.76	21.70	21.51	
5	64QAM	25	0	21.79	21.70	21.55	
5	256QAM	1	0	19.67	19.77	19.81	20.7
5	256QAM	1	12	19.64	19.63	19.56	
5	256QAM	1	24	19.72	19.55	19.49	
5	256QAM	12	0	20.02	19.95	19.87	20.7
5	256QAM	12	7	19.97	19.85	19.93	
5	256QAM	12	13	19.99	19.80	19.77	
5	256QAM	25	0	19.98	19.87	19.82	



Band 41_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (sec)
Channel				39750	40180	40610	41040	41470		
Frequency (MHz)				2560	2643	2691	2691.5	2691.5		
26	QPSK	1	0	24.69	24.77	24.75	24.81	24.30		25.7
26	QPSK	1	49	24.74	24.80	24.84	24.83	24.88		
26	QPSK	1	99	24.76	24.82	24.75	24.41	24.57		
26	QPSK	50	0	23.87	23.84	23.83	23.75	23.65		24.7
26	QPSK	96	24	23.80	23.85	23.83	23.87	23.77		
26	QPSK	96	50	23.87	23.87	23.82	23.75	23.75		
26	QPSK	100	0	23.88	23.95	23.93	23.79	23.65		
26	HQDM	1	0	23.83	23.80	23.87	23.84	23.43		24.7
26	HQDM	1	49	23.82	23.89	23.78	23.82	23.77		
26	HQDM	1	99	23.86	23.86	23.85	23.48	23.65		
26	HQDM	50	0	22.90	22.98	22.85	22.78	22.67		23.7
26	HQDM	50	24	22.90	22.69	22.68	22.93	22.81		
26	HQDM	96	50	22.91	23.00	22.97	22.85	22.75		
26	HQDM	100	0	22.89	22.98	22.87	22.83	22.72		
26	HQDM	1	0	22.54	22.57	22.50	22.28	22.12		23.7
26	HQDM	1	49	22.56	22.62	22.51	22.72	22.50		
26	HQDM	1	99	22.57	22.70	22.51	22.22	22.28		
26	HQDM	50	0	21.91	21.97	21.92	21.76	21.67		22.7
26	HQDM	50	24	21.94	22.01	21.97	21.92	21.83		
26	HQDM	50	50	21.91	21.99	21.86	21.78	21.80		
26	HQDM	100	0	21.90	21.98	21.87	21.81	21.72		
26	SSQDM	1	0	19.89	19.75	19.87	19.81	19.38		20.7
26	SSQDM	1	49	19.75	19.71	19.77	19.75	19.73		
26	SSQDM	1	99	19.79	19.81	19.82	19.26	19.58		
26	SSQDM	50	0	20.10	20.10	20.14	20.00	19.87		
26	SSQDM	96	24	20.08	20.06	20.12	20.07	19.97		20.7
26	SSQDM	96	50	20.07	20.01	20.09	19.88	19.98		
26	SSQDM	100	0	20.07	20.03	20.05	19.99	19.91		
Channel				26750	2643	2691	2691.5	2691.5		
Frequency (MHz)				2683.5	2643	2691	2691.5	2691.5		
15	QPSK	1	0	24.62	24.70	24.68	24.81	24.30		25.7
15	QPSK	1	37	24.63	24.72	24.65	24.74	24.63		
15	QPSK	1	74	24.66	24.81	24.68	24.53	24.59		
15	QPSK	96	0	23.70	23.65	23.75	23.75	23.65		24.7
15	QPSK	96	20	23.83	23.84	23.78	23.77	23.71		
15	QPSK	96	50	23.80	23.87	23.74	23.77	23.72		
15	QPSK	1	0	23.79	23.86	23.77	23.72	23.68		24.7
15	HQDM	1	0	23.76	23.84	23.78	23.77	23.62		
15	HQDM	1	37	23.78	23.78	23.84	23.86	23.71		
15	HQDM	1	74	23.80	24.00	23.85	23.67	23.68		23.7
15	HQDM	96	0	22.69	22.82	22.74	22.79	22.66		
15	HQDM	96	20	22.77	22.83	22.71	22.73	22.68		
15	HQDM	96	50	22.77	22.86	22.71	22.75	22.67		
15	HQDM	99	0	22.84	22.89	22.77	22.75	22.95		
15	HQDM	1	0	22.46	22.54	22.51	22.43	22.33		23.7
15	HQDM	1	37	22.52	22.58	22.45	22.88	22.47		
15	HQDM	1	74	22.63	22.74	22.62	22.41	22.36		
15	HQDM	96	0	21.75	21.80	21.79	21.76	21.84		
15	HQDM	96	20	21.83	21.89	21.76	21.79	21.78		22.7
15	HQDM	96	50	21.83	21.81	21.79	21.78	21.73		
15	HQDM	75	0	21.83	21.90	21.78	21.74	21.70		
15	SSQDM	1	0	19.82	19.74	19.82	19.82	19.38		20.7
15	SSQDM	1	37	19.70	19.65	19.67	19.73	19.72		
15	SSQDM	1	74	19.72	19.75	19.78	19.29	19.56		
15	SSQDM	96	0	20.08	20.02	20.04	19.86	19.81		
15	SSQDM	96	20	20.04	20.02	20.07	20.02	20.01		20.7
15	SSQDM	96	50	19.98	19.95	20.03	19.80	19.90		
15	SSQDM	95	0	20.04	20.00	20.05	19.85	19.97		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2465	2469	2464	2464	2461		
10	QPSK	1	0	24.65	24.69	24.64	24.65	24.41		25.7
10	QPSK	1	25	24.68	24.74	24.67	24.75	24.82		
10	QPSK	1	49	24.70	24.76	24.65	24.53	24.55		
10	QPSK	25	0	23.76	23.82	23.75	23.72	23.68		24.7
10	QPSK	25	12	23.78	23.87	23.77	23.88	23.73		
10	QPSK	96	24	23.78	23.85	23.76	23.80	23.84		
10	QPSK	50	0	23.78	23.87	23.77	23.79	23.67		
10	HQDM	1	0	23.80	23.84	23.78	23.85	23.68		24.7
10	HQDM	1	25	23.80	23.89	23.74	23.91	23.74		
10	HQDM	1	49	23.78	23.89	23.72	23.63	23.46		
10	HQDM	95	0	22.77	22.84	22.77	22.77	22.69		23.7
10	HQDM	25	12	22.81	22.89	22.80	22.84	22.77		
10	HQDM	96	0	22.81	22.90	22.75	22.84	22.75		
10	HQDM	1	0	22.54	22.61	22.47	22.35	22.28		23.7
10	HQDM	1	25	22.58	22.67	22.53	22.76	22.46		
10	HQDM	1	49	22.55	22.68	22.48	22.40	22.12		
10	HQDM	25	0	21.83	21.92	21.82	21.81	21.74		22.7
10	HQDM	95	12	21.68	21.84	21.69	21.96	21.82		
10	HQDM	25	25	21.85	21.95	21.85	21.87	21.71		
10	HQDM	96	0	21.81	21.87	21.78	21.82	21.70		
10	SSQDM	1	0	19.79	19.68	19.78	19.61	19.35		20.7
10	SSQDM	1	25	19.69	19.62	19.77	19.68	19.69		
10	SSQDM	1	49	19.78	19.81	19.80	19.24	19.54		
10	SSQDM	25	0	20.07	20.02	20.05	19.86	19.84		20.7
10	SSQDM	25	12	20.05	19.97	20.10	20.08	19.97		
10	SSQDM	25	25	19.97	20.01	20.04	19.88	19.97		
10	SSQDM	50	0	20.01	20.03	20.03	19.99	19.89		
Channel				2467.5	2543.5	2593	2643.5	2693.5		
Frequency (MHz)				2467.5	2543.5	2593	2643.5	2693.5		
5	QPSK	1	0	24.67	24.69	24.59	24.70	24.58		25.7
5	QPSK	1	12	24.64	24.71	24.64	24.74	24.50		
5	QPSK	1	24	24.62	24.69	24.61	24.70	24.54		
5	QPSK	12	0	23.77	23.86	23.72	23.76	23.72		24.7
5	QPSK	12	7	23.76	23.87	23.77	23.83	23.75		
5	QPSK	12	13	23.78	23.82	23.74	23.85	23.70		
5	QPSK	25	0	23.76	23.83	23.75	23.78	23.67		24.7
5	HQDM	1	0	23.78	23.84	23.75	23.82	23.74		
5	HQDM	1	12	23.81	23.87	23.84	23.96	23.85		
5	HQDM	1	24	23.83	23.87	23.80	23.89	23.71		23.7
5	HQDM	12	0	22.76	22.81	22.73	22.81	22.70		
5	HQDM	12	7	22.78	22.83	22.72	22.81	22.72		
5	HQDM	12	13	22.76	22.80	22.74	22.81	22.68		23.7
5	HQDM	25	0	22.80	22.88	22.80	22.83	22.72		
5	HQDM	1	0	22.58	22.62	22.50	22.44	22.50		23.7
5	HQDM	1	12	22.59	22.66	22.50	22.73	22.50		
5	HQDM	1	24	22.59	22.65	22.52	22.67	22.44		
5	HQDM	12	0	21.80	21.87	21.77	21.88	21.73		22.7
5	HQDM	12	7	21.82	21.92	21.83	21.88	21.79		
5	HQDM	12	13	21.80	21.90	21.78	21.85	21.72		
5	HQDM	25	0	21.83	21.89	21.83	21.88	21.75		
5	SSQDM	1	0	19.87	19.73	19.81	19.53	19.33		20.7
5	SSQDM	1	12	19.75	19.65	19.69	19.73	19.73		
5	SSQDM	1	24	19.71	19.78	19.75	19.26	19.56		
5	SSQDM	12	0	20.04	20.09	20.06	19.89	19.82		20.7
5	SSQDM	12	7	20.02	20.03	20.02	20.00	20.02		
5	SSQDM	12	13	20.06	19.92	20.01	19.81	19.95		
5	SSQDM	25	0	20.05	19.98	20.02	19.88	19.89		



Band 41 HPUE_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on Int (sec)	
Channel				39750	40180	40610	41050	41490	41930		
Frequency (MHz)				2560	26030	26460	26890	27320	27750		
26	QPSK	1	0	26.30	26.30	26.30	26.30	26.30	26.30	27.5	
26	QPSK	1	49	26.37	26.36	26.36	26.34	26.34	26.34		
26	QPSK	1	99	26.30	26.30	26.30	26.14	26.14	26.14		
26	QPSK	50	24	25.57	25.67	25.67	25.77	25.77	25.69	26.5	
26	QPSK	50	50	25.57	25.68	25.54	25.60	25.60	25.60		
26	QPSK	100	0	25.57	25.68	25.54	25.63	25.63	25.63	26.5	
26	HQAM	1	0	25.67	25.72	25.71	25.87	25.87	25.69	26.5	
26	HQAM	1	49	25.66	25.72	25.63	25.69	25.69	25.69		
26	HQAM	1	99	25.64	25.73	25.63	25.49	25.49	25.49		
26	HQAM	50	0	24.81	24.68	24.57	24.63	24.63	24.63	25.5	
26	HQAM	50	24	24.81	24.68	24.58	24.81	24.81	24.81		
26	HQAM	50	50	24.81	24.70	24.55	24.65	24.65	24.65		
26	HQAM	100	0	24.62	24.68	24.58	24.67	24.67	24.67		
26	HQAM	1	0	24.48	24.50	24.40	24.46	24.46	24.46	25.5	
26	HQAM	1	49	24.51	24.56	24.45	24.65	24.65	24.64		
26	HQAM	1	99	24.50	24.61	24.52	24.38	24.38	24.38		
26	HQAM	50	0	23.81	23.68	23.59	23.63	23.63	23.63	24.5	
26	HQAM	50	24	23.83	23.71	23.58	23.68	23.68	23.68		
26	HQAM	50	50	23.83	23.71	23.58	23.65	23.65	23.65		
26	HQAM	100	0	23.62	23.60	23.57	23.68	23.68	23.68		
26	SSBQAM	1	0	21.75	21.79	21.84	21.77	21.77	21.77	22.5	
26	SSBQAM	1	49	21.84	21.68	21.70	21.92	21.92	21.84		
26	SSBQAM	1	99	21.73	21.77	21.75	21.49	21.49	21.84		
26	SSBQAM	50	24	21.88	21.86	21.82	21.91	21.91	21.85	22.5	
26	SSBQAM	50	50	21.81	21.86	21.85	21.82	21.82	21.85		
26	SSBQAM	100	0	21.84	21.83	21.85	21.88	21.88	21.79		
Channel				39750	40180	40610	41050	41490	41930		
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5		
15	QPSK	1	0	26.33	26.41	26.38	26.49	26.49	26.20	27.5	
15	QPSK	1	37	26.34	26.43	26.33	26.51	26.51	26.20		
15	QPSK	1	74	26.38	26.52	26.42	26.40	26.40	26.23		
15	QPSK	50	0	25.47	25.61	25.54	25.63	25.63	25.33	26.5	
15	QPSK	50	20	25.56	25.63	25.55	25.68	25.68	25.59		
15	QPSK	50	50	25.56	25.63	25.52	25.65	25.65	25.61		
15	QPSK	1	0	25.56	25.63	25.53	25.63	25.63	25.59	26.5	
15	HQAM	1	0	25.49	25.71	25.67	25.78	25.78	25.69		
15	HQAM	1	37	25.59	25.68	25.58	25.86	25.86	25.74		
15	HQAM	1	74	25.59	25.62	25.71	25.70	25.70	25.68		
15	HQAM	50	0	24.46	24.58	24.50	24.63	24.63	24.49	25.5	
15	HQAM	50	20	24.53	24.58	24.50	24.65	24.65	24.61		
15	HQAM	50	50	24.55	24.62	24.50	24.66	24.66	24.60		
15	HQAM	70	0	24.57	24.63	24.53	24.63	24.63	24.58		
15	HQAM	1	0	24.41	24.51	24.40	24.61	24.61	24.39	25.5	
15	HQAM	1	37	24.51	24.58	24.48	24.61	24.61	24.51		
15	HQAM	1	74	24.51	24.71	24.60	24.51	24.51	24.38		
15	HQAM	50	0	23.49	23.62	23.55	23.65	23.65	23.54	24.5	
15	HQAM	50	20	23.58	23.68	23.54	23.70	23.70	23.56		
15	HQAM	50	50	23.58	23.65	23.54	23.69	23.69	23.60		
15	HQAM	70	0	23.58	23.66	23.55	23.65	23.65	23.58		
15	SSBQAM	1	0	21.55	21.70	21.62	21.75	21.75	21.47	22.5	
15	SSBQAM	1	37	21.55	21.64	21.55	21.62	21.62	21.51		
15	SSBQAM	1	74	21.71	21.71	21.67	21.48	21.48	21.84		
15	SSBQAM	50	0	21.85	21.81	21.69	21.85	21.85	21.74		
15	SSBQAM	50	20	21.81	21.78	21.68	21.86	21.86	21.86	22.5	
15	SSBQAM	50	50	21.75	21.76	21.85	21.75	21.75	21.86		
15	SSBQAM	70	0	21.80	21.78	21.68	21.85	21.85	21.71		
Channel				39750	40180	40610	41050	41490	41930		
Frequency (MHz)				2600	26430	26860	27290	27720	28150		
10	QPSK	1	0	26.30	26.35	26.40	26.29	26.29	26.24	27.5	
10	QPSK	1	25	26.33	26.42	26.32	26.53	26.53	26.40		
10	QPSK	1	49	26.43	26.51	26.33	26.40	26.40	26.32		
10	QPSK	25	0	25.65	25.63	25.54	25.64	25.64	25.59	26.5	
10	QPSK	25	12	25.67	25.67	25.59	25.60	25.60	25.67		
10	QPSK	25	24	25.57	25.65	25.54	25.72	25.72	25.67		
10	QPSK	50	0	25.57	25.68	25.54	25.73	25.73	25.67		
10	HQAM	1	0	25.77	25.77	25.75	25.86	25.86	25.80	26.5	
10	HQAM	1	25	25.71	25.80	25.71	25.92	25.92	25.77		
10	HQAM	1	49	25.74	25.84	25.71	25.71	25.71	25.52		
10	HQAM	25	0	24.54	24.62	24.58	24.68	24.68	24.64	25.5	
10	HQAM	25	12	24.59	24.70	24.61	24.66	24.66	24.71		
10	HQAM	50	0	24.55	24.63	24.53	24.73	24.73	24.58		
10	HQAM	50	0	24.59	24.70	24.63	24.76	24.76	24.61		
10	HQAM	1	0	24.68	24.65	24.64	24.52	24.52	24.48	25.5	
10	HQAM	1	25	24.64	24.60	24.61	24.50	24.50	24.52		
10	HQAM	1	49	24.65	24.75	24.62	24.60	24.60	24.21		
10	HQAM	25	0	23.85	23.70	23.64	23.72	23.72	23.63	24.5	
10	HQAM	25	12	23.87	23.75	23.67	23.91	23.91	23.80		
10	HQAM	50	0	23.63	23.73	23.62	23.79	23.79	23.48		
10	HQAM	50	0	23.59	23.66	23.61	23.77	23.77	23.48		
10	SSBQAM	1	0	21.89	21.71	21.77	21.67	21.67	21.64	22.5	
10	SSBQAM	1	25	21.64	21.60	21.70	21.69	21.69	21.83		
10	SSBQAM	1	49	21.65	21.75	21.66	21.47	21.47	21.78		
10	SSBQAM	25	0	21.88	21.81	21.80	21.89	21.89	21.73		
10	SSBQAM	25	12	21.80	21.86	21.86	21.94	21.94	21.87	22.5	
10	SSBQAM	50	0	21.76	21.78	21.75	21.72	21.72	21.78		
10	SSBQAM	50	0	21.82	21.83	21.80	21.85	21.85	21.73		
Channel				39750	40180	40610	41050	41490	41930		
Frequency (MHz)				2608.5	2651.5	2694.5	2737.5	2780.5	2823.5		
5	QPSK	1	0	26.38	26.43	26.36	26.53	26.53	26.46	27.5	
5	QPSK	1	15	26.38	26.46	26.40	26.52	26.52	26.45		
5	QPSK	1	24	26.40	26.43	26.34	26.51	26.51	26.39		
5	QPSK	12	0	25.66	25.62	25.52	25.72	25.72	25.61	26.5	
5	QPSK	12	7	25.51	25.64	25.55	25.75	25.75	25.67		
5	QPSK	12	13	25.57	25.64	25.55	25.78	25.78	25.64		
5	QPSK	25	0	25.52	25.61	25.54	25.66	25.66	25.59	26.5	
5	HQAM	1	0	25.76	25.78	25.72	25.84	25.84	25.78	26.5	
5	HQAM	1	12	25.70	25.80	25.73	25.91	25.91	25.74		
5	HQAM	1	24	25.72	25.81	25.76	25.90	25.90	25.73		
5	HQAM	12	0	24.59	24.64	24.58	24.76	24.76	24.65	25.5	
5	HQAM	12	7	24.63	24.69	24.64	24.76	24.76	24.72		
5	HQAM	12	13	24.58	24.67	24.60	24.80	24.80	24.64		
5	HQAM	25	0	24.60	24.65	24.60	24.78	24.78	24.66	25.5	
5	HQAM	1	0	24.61	24.68	24.60	24.75	24.75	24.57		
5	HQAM	1	12	24.60	24.69	24.61	24.84	24.84	24.52		
5	HQAM	1	24	24.63	24.71	24.65	24.82	24.82	24.64		
5	HQAM	1	0	23.80	23.85	23.87	23.78	23.78	23.68	24.5	
5	HQAM	12	7	23.85	23.73	23.65	23.82	23.82	23.68		
5	HQAM	1	13	23.55	23.70	23.60	23.83	23.83	23.53		
5	HQAM	25	0	23.80	23.70	23.63	23.81	23.81	23.53		
5	SSBQAM	1	0	21.74	21.71	21.75	21.74	21.74	21.45	22.5	
5	SSBQAM	1	15	21.59	21.68	21.66	21.91	21.91	21.77		
5	SSBQAM	1	24	21.68	21.67	21.67	21.49	21.49	21.77		
5	SSBQAM	12	0	21.81	21.80	21.85	21.89	21.89	21.73	22.5	
5	SSBQAM	12	7	21.85							



Band 48_Ant 7										
Int. (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Take-up time (dBm)		
Channel				5540	5580	5616	5660			
Frequency (MHz)				5600	5600	5641	5693			
20	QPSK	1	0	22.15	22.15	22.38	22.16	23.3		
20	QPSK	1	49	22.12	22.15	22.30	22.19			
20	QPSK	1	96	22.22	22.31	22.38	22.22			
20	QPSK	50	0	22.23	22.27	22.45	22.21			
20	QPSK	50	24	22.37	22.39	22.48	22.29	23.3		
20	QPSK	50	50	22.26	22.31	22.39	22.17			
20	16QAM	1	0	22.14	22.24	22.54	22.32			
20	16QAM	1	49	22.08	22.25	22.41	22.19			
20	16QAM	50	0	22.16	22.33	22.50	22.28	23.3		
20	16QAM	50	24	22.18	22.38	22.53	22.28			
20	16QAM	50	50	22.17	22.36	22.44	22.20			
20	16QAM	100	0	22.17	22.35	22.50	22.28			
20	64QAM	1	0	21.68	21.86	22.10	21.88	23.3		
20	64QAM	1	49	21.68	21.86	21.89	21.77			
20	64QAM	1	96	21.87	22.03	22.09	21.87			
20	64QAM	50	0	21.44	21.62	21.78	21.57			
20	64QAM	50	24	21.48	21.65	21.81	21.57	22.7		
20	64QAM	50	50	21.48	21.66	21.73	21.52			
20	64QAM	100	0	21.46	21.64	21.80	21.58			
20	256QAM	1	0	19.20	19.33	19.69	19.40	20.7		
20	256QAM	1	49	19.14	19.31	19.50	19.28			
20	256QAM	1	96	19.30	19.49	19.50	19.39			
20	256QAM	50	0	19.51	19.64	19.82	19.64			
20	256QAM	50	24	19.53	19.65	19.82	19.64	20.7		
20	256QAM	50	50	19.51	19.65	19.77	19.58			
20	256QAM	100	0	19.49	19.61	19.76	19.61			
Channel				5611	5651	5687	5693	Take-up time (dBm)		
Frequency (MHz)				5671	5688	5692	5693			
15	QPSK	1	0	21.03	22.18	22.28	22.09	23.3		
15	QPSK	1	31	21.02	22.08	22.20	22.02			
15	QPSK	1	74	22.01	22.24	22.35	22.19			
15	QPSK	36	0	22.10	22.20	22.41	22.18			
15	QPSK	36	20	22.05	22.28	22.39	22.15	23.3		
15	QPSK	36	39	22.11	22.30	22.39	22.07			
15	QPSK	75	0	22.06	22.29	22.38	22.19			
15	16QAM	1	0	22.14	22.24	22.45	22.29	23.3		
15	16QAM	1	31	21.88	22.25	22.41	22.14			
15	16QAM	1	74	22.19	22.46	22.51	22.30			
15	16QAM	36	0	22.13	22.25	22.41	22.29			
15	16QAM	36	20	22.11	22.32	22.47	22.24	23.3		
15	16QAM	36	39	22.12	22.27	22.42	22.12			
15	16QAM	75	0	22.13	22.25	22.49	22.17			
15	64QAM	1	0	21.60	21.77	22.04	21.82	23.3		
15	64QAM	1	31	21.64	21.81	21.88	21.68			
15	64QAM	1	74	21.79	22.02	22.06	21.78			
15	64QAM	36	0	21.37	21.52	21.70	21.48			
15	64QAM	36	20	21.40	21.56	21.72	21.46	22.7		
15	64QAM	36	39	21.44	21.60	21.85	21.48			
15	64QAM	75	0	21.37	21.62	21.75	21.53			
15	256QAM	1	0	19.16	19.26	19.47	19.27	20.7		
15	256QAM	1	31	19.09	19.35	19.42	19.22			
15	256QAM	1	74	19.28	19.49	19.49	19.38			
15	256QAM	36	0	19.44	19.54	19.71	19.50			
15	256QAM	36	20	19.48	19.64	19.74	19.60	20.7		
15	256QAM	36	39	19.49	19.68	19.69	19.53			
15	256QAM	75	0	19.46	19.50	19.77	19.52			
Channel				5690	5693	5696	5699	Take-up time (dBm)		
Frequency (MHz)				5690	5693	5693	5693			
10	QPSK	1	0	21.08	22.16	22.26	22.14	23.3		
10	QPSK	1	25	22.00	22.15	22.22	21.97			
10	QPSK	1	49	22.03	22.22	22.37	22.18			
10	QPSK	25	0	22.01	22.24	22.35	22.21			
10	QPSK	25	12	22.08	22.27	22.39	22.21	23.3		
10	QPSK	25	25	22.14	22.31	22.34	22.14			
10	QPSK	50	0	22.06	22.23	22.40	22.15			
10	16QAM	1	0	22.10	22.26	22.46	22.19			
10	16QAM	1	25	22.03	22.25	22.40	22.19	23.3		
10	16QAM	1	49	22.16	22.36	22.46	22.32			
10	16QAM	25	0	22.09	22.28	22.46	22.25			
10	16QAM	25	12	22.17	22.36	22.45	22.22			
10	16QAM	50	0	22.15	22.28	22.45	22.23	23.3		
10	64QAM	1	0	21.69	21.86	22.05	21.79			
10	64QAM	1	25	21.60	21.86	21.92	21.70			
10	64QAM	1	49	21.85	22.02	22.03	21.85	22.7		
10	64QAM	25	0	21.43	21.64	21.70	21.48			
10	64QAM	25	12	21.38	21.57	21.74	21.49			
10	64QAM	25	25	21.45	21.58	21.89	21.49			
10	64QAM	50	0	21.46	21.50	21.74	21.50	20.7		
10	256QAM	1	0	19.16	19.27	19.50	19.32			
10	256QAM	1	25	19.08	19.27	19.45	19.22			
10	256QAM	1	49	19.23	19.41	19.48	19.32			
10	256QAM	25	0	19.51	19.55	19.79	19.64	20.7		
10	256QAM	25	12	19.48	19.59	19.75	19.63			
10	256QAM	25	25	19.47	19.55	19.87	19.53			
10	256QAM	50	0	19.48	19.54	19.76	19.63			
Channel				5695	5697	5697	5697	Take-up time (dBm)		
Frequency (MHz)				5695	5697	5697	5697			
5	QPSK	1	0	21.64	22.10	22.29	22.14	23.3		
5	QPSK	1	14	21.68	22.13	22.21	21.86			
5	QPSK	1	24	22.07	22.29	22.29	22.17			
5	QPSK	12	0	22.10	22.24	22.45	22.12			
5	QPSK	12	13	22.12	22.21	22.45	22.13	23.3		
5	QPSK	12	13	22.14	22.34	22.31	22.11			
5	QPSK	25	0	22.03	22.27	22.36	22.18			
5	16QAM	1	0	22.09	22.30	22.35	22.23	23.3		
5	16QAM	1	12	22.08	22.15	22.35	22.18			
5	16QAM	1	24	22.25	22.44	22.48	22.24			
5	16QAM	12	0	22.13	22.25	22.43	22.22			
5	16QAM	12	7	22.14	22.27	22.43	22.21	23.3		
5	16QAM	12	13	22.13	22.35	22.35	22.20			
5	16QAM	25	0	22.07	22.32	22.48	22.18			
5	64QAM	1	0	21.62	21.85	22.10	21.85	23.3		
5	64QAM	1	12	21.68	21.78	21.95	21.68			
5	64QAM	1	24	21.87	21.98	22.01	21.87			
5	64QAM	12	0	21.39	21.62	21.70	21.52			
5	64QAM	12	7	21.40	21.62	21.80	21.63	22.7		
5	64QAM	12	13	21.44	21.60	21.87	21.48			
5	64QAM	25	0	21.38	21.58	21.80	21.52			
5	256QAM	1	0	19.16	19.27	19.50	19.35	20.7		
5	256QAM	1	12	19.08	19.25	19.48	19.18			
5	256QAM	1	24	19.28	19.48	19.47	19.27			
5	256QAM	12	0	19.48	19.62	19.71	19.62			
5	256QAM	12	7	19.53	19.62	19.76	19.57	20.7		
5	256QAM	12	13	19.42	19.61	19.87	19.48			
5	256QAM	25	0	19.47	19.55	19.74	19.53			

Band 38_Ant 0							
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Normal Ch / Freq	Power High Ch / Freq	Take-up time (min)
Channel				31850	30000	38150	
Frequency (MHz)				2300	2300	2300	
20	QPSK	1	0	23.42	23.33	23.25	20.2
20	QPSK	1	49	23.42	23.33	23.27	
20	QPSK	1	96	23.40	23.38	23.29	
20	QPSK	50	0	22.59	22.42	22.40	24.2
20	QPSK	50	24	22.55	22.42	22.42	
20	QPSK	50	50	22.55	22.42	22.40	
20	QPSK	100	0	22.58	22.41	22.42	24.2
20	16QAM	1	0	22.57	22.48	22.40	
20	16QAM	1	49	22.52	22.48	22.37	
20	16QAM	1	96	22.57	22.47	22.44	23.2
20	16QAM	50	0	21.62	21.45	21.44	
20	16QAM	50	24	21.59	21.44	21.44	
20	16QAM	50	50	21.50	21.44	21.45	23.2
20	16QAM	100	0	21.59	21.44	21.44	
20	64QAM	1	0	21.28	21.22	21.22	23.2
20	64QAM	1	49	21.33	21.29	21.25	
20	64QAM	1	96	21.37	21.29	21.29	
20	64QAM	50	0	20.40	20.40	20.40	22.2
20	64QAM	50	24	20.03	20.47	20.45	
20	64QAM	50	50	20.09	20.45	20.44	
20	64QAM	100	0	20.00	20.42	20.44	20.2
20	256QAM	1	0	18.46	18.38	18.36	
20	256QAM	1	49	18.35	18.38	18.27	
20	256QAM	1	96	18.34	18.35	18.34	20.2
20	256QAM	50	0	18.71	18.52	18.50	
20	256QAM	50	24	18.66	18.51	18.51	
20	256QAM	50	50	18.63	18.39	18.33	20.2
20	256QAM	100	0	18.62	18.47	18.46	
Channel				3177.5	2997.5	3812.5	
Frequency (MHz)				2177.5	2177.5	2177.5	
15	QPSK	1	0	21.38	21.28	21.21	20.2
15	QPSK	1	37	21.40	21.38	21.37	
15	QPSK	1	74	21.34	21.33	21.27	
15	QPSK	36	0	22.56	22.34	22.34	24.2
15	QPSK	36	20	22.55	22.39	22.39	
15	QPSK	36	39	22.48	22.42	22.30	
15	QPSK	75	0	22.49	22.31	22.40	24.2
15	16QAM	1	0	22.47	22.40	22.34	
15	16QAM	1	37	22.42	22.38	22.38	
15	16QAM	1	74	22.54	22.35	22.37	23.2
15	16QAM	36	0	21.59	21.41	21.44	
15	16QAM	36	20	21.48	21.37	21.41	
15	16QAM	36	39	21.58	21.37	21.39	23.2
15	16QAM	75	0	21.51	21.44	21.38	
15	64QAM	1	0	21.25	21.23	21.21	
15	64QAM	1	37	21.31	21.23	21.22	23.2
15	64QAM	1	74	21.32	21.20	21.20	
15	64QAM	36	0	20.57	20.44	20.40	
15	64QAM	36	20	20.61	20.43	20.37	22.2
15	64QAM	36	39	20.50	20.45	20.37	
15	64QAM	75	0	20.54	20.37	20.39	
15	256QAM	1	0	18.27	18.27	18.27	20.2
15	256QAM	1	37	18.31	18.25	18.25	
15	256QAM	1	74	18.32	18.23	18.23	
15	256QAM	36	0	18.43	18.42	18.46	20.2
15	256QAM	36	20	18.43	18.47	18.35	
15	256QAM	36	39	18.53	18.38	18.31	
15	256QAM	75	0	18.41	18.47	18.38	20.2
Channel				31850	30000	38000	
Frequency (MHz)				21850	21850	21850	
10	QPSK	1	0	21.58	21.27	21.21	25.2
10	QPSK	1	25	21.34	21.34	21.27	
10	QPSK	1	49	21.31	21.38	21.34	
10	QPSK	25	0	22.55	22.41	22.36	24.2
10	QPSK	25	12	22.53	22.39	22.33	
10	QPSK	25	24	22.53	22.39	22.35	
10	QPSK	50	0	22.51	22.38	22.36	24.2
10	16QAM	1	0	22.47	22.38	22.31	
10	16QAM	1	25	22.44	22.39	22.37	
10	16QAM	1	49	22.54	22.48	22.34	23.2
10	16QAM	25	0	21.59	21.43	21.42	
10	16QAM	25	12	21.55	21.35	21.34	
10	16QAM	25	24	21.53	21.44	21.44	23.2
10	64QAM	1	0	21.27	21.22	21.22	
10	64QAM	1	25	21.27	21.22	21.22	
10	64QAM	1	49	21.33	21.21	21.23	22.2
10	64QAM	25	0	20.62	20.41	20.39	
10	64QAM	25	12	20.58	20.44	20.35	
10	64QAM	25	24	20.55	20.42	20.38	20.2
10	64QAM	50	0	20.55	20.38	20.37	
10	256QAM	1	0	18.39	18.31	18.32	
10	256QAM	1	25	18.28	18.24	18.21	20.2
10	256QAM	1	49	18.31	18.24	18.22	
10	256QAM	25	0	18.64	18.42	18.46	
10	256QAM	25	12	18.64	18.43	18.35	20.2
10	256QAM	25	24	18.58	18.35	18.24	
10	256QAM	50	0	18.58	18.41	18.45	
Channel				2192.5	2000	3017.5	
Frequency (MHz)				2192.5	2192.5	2192.5	
5	QPSK	1	0	21.59	21.24	21.25	25.2
5	QPSK	1	12	21.41	21.29	21.29	
5	QPSK	1	24	21.32	21.21	21.21	
5	QPSK	12	0	22.56	22.34	22.31	24.2
5	QPSK	12	6	22.48	22.35	22.35	
5	QPSK	12	13	22.65	22.32	22.38	
5	QPSK	25	0	22.53	22.41	22.37	24.2
5	16QAM	1	0	22.47	22.42	22.36	
5	16QAM	1	12	22.44	22.44	22.38	
5	16QAM	1	24	22.54	22.45	22.39	23.2
5	16QAM	12	0	21.54	21.43	21.37	
5	16QAM	12	7	21.59	21.39	21.44	
5	16QAM	12	13	21.59	21.43	21.39	23.2
5	16QAM	25	0	21.59	21.40	21.34	
5	64QAM	1	0	21.20	21.25	21.22	
5	64QAM	1	12	21.31	21.23	21.23	22.2
5	64QAM	1	24	21.39	21.23	21.21	
5	64QAM	12	0	20.64	20.35	20.38	
5	64QAM	12	7	20.56	20.37	20.35	22.2
5	64QAM	12	13	20.53	20.40	20.38	
5	64QAM	25	0	20.60	20.35	20.42	
5	256QAM	1	0	18.45	18.37	18.34	20.2
5	256QAM	1	12	18.38	18.24	18.27	
5	256QAM	1	24	18.28	18.20	18.22	
5	256QAM	12	0	18.63	18.51	18.46	20.2
5	256QAM	12	7	18.63	18.42	18.42	
5	256QAM	12	13	18.56	18.39	18.27	
5	256QAM	25	0	18.52	18.39	18.46	

Band 41_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power Prime Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up Int (sec)
Channel				39750	40180	40610	41050	41500	41950	
Frequency (MHz)				2560	26030	26460	26890	27320	27750	
20	QPSK	1	0	23.99	24.01	23.84	24.03	24.02	24.02	25.5
20	QPSK	1	99	23.98	23.99	23.83	23.76	23.74	23.74	
20	QPSK	50	0	23.18	23.19	22.95	22.97	22.98	22.98	
20	QPSK	24	0	23.18	23.19	22.94	22.93	22.93	22.93	24.5
20	QPSK	50	50	23.14	23.18	22.93	22.93	22.93	22.93	
20	QPSK	100	0	23.15	23.19	22.95	22.93	22.93	22.93	
20	HQDM	1	0	23.11	23.13	22.97	22.88	22.92	22.92	24.5
20	HQDM	1	49	23.10	23.11	22.89	23.15	23.13	23.13	
20	HQDM	50	0	22.19	22.21	21.97	22.91	22.91	22.91	
20	HQDM	50	24	22.20	22.21	21.99	22.17	22.16	22.16	23.5
20	HQDM	50	50	22.18	22.19	21.97	22.95	22.95	22.95	
20	HQDM	100	0	22.15	22.21	21.94	22.24	22.06	22.06	
20	HQDM	1	0	21.80	21.84	21.59	21.52	21.42	21.42	23.5
20	HQDM	1	49	21.85	21.84	21.58	21.82	21.86	21.86	
20	HQDM	50	0	21.87	21.91	21.70	21.97	21.79	21.79	
20	HQDM	50	24	21.19	21.24	21.00	21.17	21.17	21.17	22.5
20	HQDM	50	50	21.19	21.21	20.97	21.05	21.05	21.05	
20	HQDM	100	0	21.18	21.23	20.96	21.07	21.07	21.07	
20	SSQDM	1	0	19.03	19.04	18.92	19.70	19.59	19.59	20.5
20	SSQDM	1	49	19.03	18.98	18.74	18.92	18.95	18.95	
20	SSQDM	50	0	19.31	19.20	19.11	19.15	19.11	19.11	
20	SSQDM	24	0	19.25	19.21	19.02	19.20	19.20	19.20	20.5
20	SSQDM	50	50	19.22	19.18	19.02	19.08	19.16	19.16	
20	SSQDM	100	0	19.20	19.19	19.02	19.09	19.12	19.12	
Channel				39750	40180	40610	41050	41500	41950	
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
15	QPSK	1	0	23.91	23.98	23.77	23.85	23.79	23.79	25.5
15	QPSK	1	37	23.93	23.95	23.75	24.02	23.94	23.94	
15	QPSK	36	0	23.94	24.07	23.82	23.83	23.87	23.87	
15	QPSK	36	36	23.12	23.15	22.90	23.08	23.12	23.12	24.5
15	QPSK	36	50	23.11	23.18	22.92	23.07	23.10	23.10	
15	QPSK	1	0	23.10	23.15	22.91	23.00	23.08	23.08	
15	HQDM	1	0	23.03	23.03	22.89	23.14	23.10	23.10	24.5
15	HQDM	1	37	23.03	23.03	22.89	23.14	23.10	23.10	
15	HQDM	36	0	22.01	22.13	21.80	21.98	21.99	21.99	
15	HQDM	36	36	22.10	22.14	21.89	22.03	22.07	22.07	23.5
15	HQDM	36	50	22.09	22.11	21.87	22.04	22.07	22.07	
15	HQDM	75	0	22.13	22.17	21.86	22.04	22.07	22.07	
15	HQDM	1	0	21.12	21.84	21.65	21.74	21.97	21.97	23.5
15	HQDM	1	37	21.85	21.84	21.64	21.93	21.89	21.89	
15	HQDM	1	74	21.89	21.95	21.78	21.58	21.89	21.89	
15	HQDM	36	0	21.00	21.20	20.95	21.03	21.03	21.03	22.5
15	HQDM	36	20	21.15	21.16	20.95	21.09	21.14	21.14	
15	HQDM	36	39	21.16	21.19	20.95	21.09	21.09	21.09	
15	HQDM	75	0	21.16	21.19	20.95	21.02	21.08	21.08	20.5
15	HQDM	1	0	19.07	19.07	18.95	19.70	19.59	19.59	
15	SSQDM	1	37	19.04	19.04	18.75	18.94	19.01	19.01	
15	SSQDM	1	74	19.04	18.93	18.69	18.45	18.74	18.74	20.5
15	SSQDM	36	0	19.05	19.13	19.05	19.07	19.03	19.03	
15	SSQDM	36	36	19.23	19.13	19.07	19.29	19.21	19.21	
15	SSQDM	36	50	19.20	19.11	18.94	19.03	19.07	19.07	20.5
15	SSQDM	35	0	19.17	19.08	18.97	19.09	19.12	19.12	
15	SSQDM	35	36	19.17	19.08	18.97	19.09	19.12	19.12	
Channel				39750	40180	40610	41050	41500	41950	
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
10	QPSK	1	0	23.91	23.94	23.70	23.83	23.72	23.72	25.5
10	QPSK	1	25	23.91	23.85	23.70	24.02	23.87	23.87	
10	QPSK	1	49	23.94	23.98	23.81	23.77	23.95	23.95	
10	QPSK	25	0	23.03	23.10	22.88	22.95	22.91	22.91	24.5
10	QPSK	25	12	23.03	23.13	22.86	23.00	23.09	23.09	
10	QPSK	36	24	23.06	23.07	22.82	23.00	23.00	23.00	
10	QPSK	50	0	23.05	23.12	22.84	22.93	22.96	22.96	24.5
10	QPSK	1	0	23.00	23.05	22.80	22.93	22.92	22.92	
10	HQDM	1	25	22.97	22.93	22.80	23.05	23.02	23.02	
10	HQDM	1	49	23.10	23.20	23.02	22.91	23.09	23.09	23.5
10	HQDM	35	0	21.04	22.07	21.86	21.93	21.96	21.96	
10	HQDM	25	12	22.09	22.14	21.85	22.02	22.00	22.00	
10	HQDM	35	25	22.07	22.02	21.86	21.96	22.05	22.05	23.5
10	HQDM	36	0	22.08	22.08	21.93	21.99	22.05	22.05	
10	HQDM	1	0	21.70	21.79	21.65	21.86	21.51	21.51	
10	HQDM	1	25	21.77	21.80	21.60	21.85	21.79	21.79	22.5
10	HQDM	1	49	21.80	21.86	21.73	21.58	21.85	21.85	
10	HQDM	25	0	21.00	21.20	20.97	20.96	20.97	20.97	
10	HQDM	35	12	21.07	21.11	20.91	20.99	21.07	21.07	22.5
10	HQDM	35	25	21.09	21.12	20.92	21.07	21.07	21.07	
10	HQDM	36	0	21.14	21.17	20.98	20.96	21.04	21.04	
10	SSQDM	1	0	19.08	19.07	18.90	19.70	19.58	19.58	20.5
10	SSQDM	1	25	19.09	19.03	18.69	18.90	19.07	19.07	
10	SSQDM	1	49	19.06	19.03	18.73	18.40	18.80	18.80	
10	SSQDM	25	0	19.25	19.13	19.07	19.05	19.06	19.06	20.5
10	SSQDM	25	12	19.21	19.12	19.05	19.27	19.24	19.24	
10	SSQDM	25	25	19.17	19.15	19.05	19.08	19.09	19.09	
10	SSQDM	50	0	19.18	19.05	19.01	19.01	19.03	19.03	20.5
10	SSQDM	50	12	19.20	19.03	18.97	19.27	19.24	19.24	
10	SSQDM	50	25	19.17	19.15	19.05	19.08	19.09	19.09	
Channel				39750	40180	40610	41050	41500	41950	
Frequency (MHz)				2563.5	2606.5	2649.5	2692.5	2735.5	2778.5	
5	QPSK	1	0	23.84	23.94	23.73	23.81	23.72	23.72	25.5
5	QPSK	1	15	23.80	23.91	23.75	23.92	23.85	23.85	
5	QPSK	1	24	23.87	23.99	23.80	23.79	23.92	23.92	
5	QPSK	12	0	23.01	23.09	22.82	22.94	22.95	22.95	24.5
5	QPSK	12	7	23.12	23.15	22.91	22.96	23.02	23.02	
5	QPSK	12	13	23.09	23.09	22.90	23.04	23.08	23.08	
5	QPSK	25	0	23.02	23.07	22.86	22.91	23.00	23.00	24.5
5	HQDM	1	0	23.00	23.05	22.80	22.92	22.94	22.94	
5	HQDM	1	12	22.94	22.95	22.73	23.04	23.03	23.03	
5	HQDM	1	24	23.10	23.24	22.90	22.85	23.09	23.09	24.5
5	HQDM	12	0	21.04	22.07	21.81	21.98	21.90	21.90	
5	HQDM	12	7	22.08	22.11	21.80	21.96	21.97	21.97	
5	HQDM	12	13	22.02	22.04	21.82	21.98	21.95	21.95	23.5
5	HQDM	25	0	22.12	22.11	21.94	22.09	21.98	21.98	
5	HQDM	1	0	21.68	21.84	21.58	21.74	21.47	21.47	
5	HQDM	1	12	21.76	21.83	21.59	21.89	21.85	21.85	23.5
5	HQDM	1	24	21.82	21.89	21.73	21.49	21.83	21.83	
5	HQDM	1	0	20.08	21.12	20.85	21.01	21.03	21.03	
5	HQDM	12	7	21.06	21.08	20.85	21.06	21.07	21.07	22.5
5	HQDM	13	13	21.14	21.16	20.90	20.90	21.06	21.06	
5	HQDM	25	0	21.10	21.15	20.88	20.92	21.01	21.01	
5	SSQDM	1	0	19.01	19.09	18.86	19.70	19.56	19.56	20.5
5	SSQDM	1	12	19.05	19.07	18.83	19.70	19.56	19.56	
5	SSQDM	1	24	19.04	18.98	18.72	18.40	18.80	18.80	
5	SSQDM	12	0	19.21	19.10	19.03	19.07	19.05	19.05	20.5
5	SSQDM	12	7	19.24	19.12	19.01	19.20	19.20	19.20	
5	SSQDM	12	13	19.20	19.00	18.96	19.08	19.09	19.09	

Band 41 HPUE_Ant 0												
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
26	QPSK	1	0	25.81	25.85	25.91	25.96	26.01	26.06	26.11	26.16	26.21
26	QPSK	1	49	25.81	25.85	25.91	25.96	26.01	26.06	26.11	26.16	26.21
26	QPSK	1	99	25.75	25.88	25.91	25.95	26.00	26.04	26.08	26.12	26.16
26	QPSK	50	24	24.36	24.58	24.73	24.89	25.04	25.19	25.34	25.49	25.64
26	QPSK	50	50	24.35	24.57	24.72	24.88	25.03	25.18	25.33	25.48	25.63
26	QPSK	100	0	24.58	24.99	24.73	24.93	25.18	25.43	25.68	25.93	26.18
26	HQDM	1	0	24.59	24.99	24.88	24.92	25.02	25.12	25.22	25.32	25.42
26	HQDM	1	49	25.02	25.04	24.94	24.77	25.07	25.07	25.17	25.27	25.37
26	HQDM	50	0	23.59	24.01	23.75	23.91	24.01	24.11	24.21	24.31	24.41
26	HQDM	50	24	24.00	24.04	23.77	24.06	24.07	24.16	24.26	24.36	24.46
26	HQDM	50	50	24.00	24.00	23.71	23.95	24.05	24.15	24.25	24.35	24.45
26	HQDM	100	0	23.98	24.01	23.75	23.98	24.08	24.18	24.28	24.38	24.48
26	HQDM	1	0	23.81	23.84	23.65	23.73	23.83	23.93	24.03	24.13	24.23
26	HQDM	1	49	23.87	23.89	23.69	23.85	23.95	24.05	24.15	24.25	24.35
26	HQDM	1	99	23.89	23.88	23.71	23.80	23.90	24.00	24.10	24.20	24.30
26	HQDM	50	0	23.01	23.05	22.79	22.95	23.05	23.15	23.25	23.35	23.45
26	HQDM	50	24	22.99	23.02	22.75	22.98	23.08	23.18	23.28	23.38	23.48
26	HQDM	50	50	23.01	23.01	22.80	22.87	22.97	23.07	23.17	23.27	23.37
26	HQDM	100	0	23.00	23.03	22.75	22.90	23.00	23.10	23.20	23.30	23.40
26	SSBQAM	1	0	20.86	20.85	20.80	20.88	20.88	20.88	20.88	20.88	20.88
26	SSBQAM	1	49	20.88	20.74	20.83	20.93	21.11	21.11	21.11	21.11	21.11
26	SSBQAM	1	99	20.87	20.81	20.81	20.95	20.95	20.95	20.95	20.95	20.95
26	SSBQAM	50	24	21.08	21.00	20.98	21.12	21.12	21.12	21.12	21.12	21.12
26	SSBQAM	50	50	21.03	21.00	20.81	20.95	21.05	21.05	21.05	21.05	21.05
26	SSBQAM	100	0	21.02	20.97	20.85	20.99	20.97	20.97	20.97	20.97	20.97
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
15	QPSK	1	0	25.81	25.85	25.91	25.96	26.01	26.06	26.11	26.16	26.21
15	QPSK	1	37	25.82	25.84	25.92	25.95	26.00	26.04	26.08	26.12	26.16
15	QPSK	1	74	25.88	25.83	25.84	25.81	25.84	25.88	25.92	25.96	26.00
15	QPSK	50	0	24.36	24.58	24.63	24.85	24.90	24.94	24.98	25.02	25.06
15	QPSK	50	24	24.36	24.58	24.63	24.71	24.83	24.93	25.03	25.13	25.23
15	QPSK	50	50	24.35	24.58	24.68	24.88	24.87	24.92	24.97	25.02	25.07
15	QPSK	100	0	24.52	24.90	24.94	24.88	24.94	24.98	25.04	25.08	25.14
15	HQDM	1	0	24.59	24.91	24.82	24.89	24.89	24.74	24.74	24.74	24.74
15	HQDM	1	37	24.54	24.56	24.73	24.77	24.77	24.77	24.77	24.77	24.77
15	HQDM	1	74	24.59	25.04	24.78	24.77	24.95	24.95	24.95	24.95	24.95
15	HQDM	50	0	23.95	23.93	23.75	23.88	23.84	23.84	23.84	23.84	23.84
15	HQDM	50	24	23.95	23.94	23.75	24.05	24.07	24.07	24.07	24.07	24.07
15	HQDM	50	50	23.95	23.95	23.69	23.82	24.04	24.04	24.04	24.04	24.04
15	HQDM	100	0	23.95	24.50	23.65	23.82	23.98	23.98	23.98	23.98	23.98
15	HQDM	1	0	23.81	23.78	23.65	23.68	23.68	23.68	23.68	23.68	23.68
15	HQDM	1	37	23.79	23.82	23.64	24.04	24.07	24.07	24.07	24.07	24.07
15	HQDM	1	74	23.78	23.66	23.68	23.63	23.63	23.63	23.63	23.63	23.63
15	HQDM	50	0	22.91	22.98	22.75	22.98	22.95	22.95	22.95	22.95	22.95
15	HQDM	50	24	22.93	23.04	22.75	22.96	22.96	22.96	22.96	22.96	22.96
15	HQDM	50	50	22.94	23.00	22.71	22.87	22.90	22.90	22.90	22.90	22.90
15	HQDM	100	0	22.90	22.93	22.75	22.92	22.92	22.92	22.92	22.92	22.92
15	SSBQAM	1	0	20.85	20.79	20.80	20.80	20.80	20.80	20.80	20.80	20.80
15	SSBQAM	1	37	20.85	20.85	20.75	20.90	20.90	20.90	20.90	20.90	20.90
15	SSBQAM	1	74	20.77	20.75	20.85	20.90	20.86	20.86	20.86	20.86	20.86
15	SSBQAM	50	0	21.00	20.94	20.85	20.94	20.91	20.91	20.91	20.91	20.91
15	SSBQAM	50	24	20.96	20.90	20.85	21.12	21.08	21.08	21.08	21.08	21.08
15	SSBQAM	50	50	21.02	20.91	20.81	20.95	21.01	21.01	21.01	21.01	21.01
15	SSBQAM	100	0	21.02	20.95	20.85	20.89	20.89	20.89	20.89	20.89	20.89
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
10	QPSK	1	0	25.54	25.58	25.63	25.65	25.65	25.65	25.65	25.65	25.65
10	QPSK	1	25	25.53	25.58	25.64	25.69	25.77	25.77	25.77	25.77	25.77
10	QPSK	1	49	25.53	25.58	25.64	25.65	25.65	25.65	25.65	25.65	25.65
10	QPSK	25	0	24.92	24.98	24.63	24.88	24.81	24.81	24.81	24.81	24.81
10	QPSK	25	12	24.90	24.98	24.64	24.92	24.97	24.97	24.97	24.97	24.97
10	QPSK	25	24	24.94	24.98	24.64	24.89	24.89	24.89	24.89	24.89	24.89
10	QPSK	50	0	24.91	24.93	24.69	24.91	24.90	24.90	24.90	24.90	24.90
10	HQDM	1	0	24.94	24.97	24.67	24.87	24.91	24.91	24.91	24.91	24.91
10	HQDM	1	25	24.94	24.98	24.61	25.12	25.17	25.17	25.17	25.17	25.17
10	HQDM	1	49	24.98	25.00	24.77	24.75	25.05	25.05	25.05	25.05	25.05
10	HQDM	25	0	23.93	23.97	23.68	23.82	23.89	23.89	23.89	23.89	23.89
10	HQDM	25	12	23.98	23.97	23.78	24.06	24.07	24.07	24.07	24.07	24.07
10	HQDM	25	24	23.93	23.92	23.77	23.89	24.03	24.03	24.03	24.03	24.03
10	HQDM	50	0	23.94	23.97	23.75	23.92	23.95	23.95	23.95	23.95	23.95
10	HQDM	1	0	23.79	23.77	23.69	23.69	23.69	23.69	23.69	23.69	23.69
10	HQDM	1	25	23.81	23.84	23.69	24.01	24.01	24.01	24.01	24.01	24.01
10	HQDM	1	49	23.82	23.82	23.69	23.52	23.88	23.88	23.88	23.88	23.88
10	HQDM	25	0	22.94	22.98	22.75	22.87	22.88	22.88	22.88	22.88	22.88
10	HQDM	25	12	22.99	23.00	22.78	23.08	23.08	23.08	23.08	23.08	23.08
10	HQDM	25	25	22.97	22.98	22.74	22.87	23.01	23.01	23.01	23.01	23.01
10	HQDM	50	0	22.94	22.96	22.68	22.80	22.90	22.90	22.90	22.90	22.90
10	SSBQAM	1	0	20.80	20.84	20.74	20.84	20.79	20.79	20.79	20.79	20.79
10	SSBQAM	1	25	20.80	20.74	20.54	20.86	21.09	21.09	21.09	21.09	21.09
10	SSBQAM	1	49	20.85	20.78	20.51	20.51	20.68	20.68	20.68	20.68	20.68
10	SSBQAM	25	0	21.05	20.99	20.83	20.90	20.92	20.92	20.92	20.92	20.92
10	SSBQAM	25	12	20.98	20.98	20.80	21.05	21.07	21.07	21.07	21.07	21.07
10	SSBQAM	25	25	20.94	20.90	20.80	20.91	20.90	20.90	20.90	20.90	20.90
10	SSBQAM	50	0	20.97	20.89	20.75	20.99	20.91	20.91	20.91	20.91	20.91
Channel				39750	40180	40610	41040	41470	41900	42330	42760	43190
Frequency (MHz)				2560	26030	26460	26890	27320	27750	28180	28610	29040
5	QPSK	1	0	25.58	25.65	25.62	25.48	25.41	25.41	25.41	25.41	25.41
5	QPSK	1	12	25.57	25.64	25.75	25.88	25.73	25.73	25.73	25.73	25.73
5	QPSK	1	24	25.65	25.59	25.41	25.38	25.60	25.60	25.60	25.60	25.60
5	QPSK	12	0	24.91	24.91	24.72	24.83	24.83	24.83	24.83	24.83	24.83
5	QPSK	12	12	24.90	24.90	24.71	24.82	24.82	24.82	24.82	24.82	24.82
5	QPSK	12	24	24.85	24.85	24.72	24.87	24.87	24.87	24.87	24.87	24.87
5	QPSK	25	0	24.90	24.91	24.67	24.87	24.89	24.89	24.89	24.89	24.89
5	HQDM	1	0	24.90	24.91	24.67	24.87	24.89	24.89	24.89	24.89	24.89
5	HQDM	1	12	24.92	24.93	24.79	25.13	25.13	25.13	25.13	25.13	25.13
5	HQDM	1	24	24.87	25.00	24.73	24.73	25.03	25.03	25.03	25.03	25.03
5	HQDM	12	0	23.99	24.01	23.71</						

Band 48_Ant 2									
Int. (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Power Avg Ch / Freq	Take-up time (dBm)
Channel				5540	5580	5616	5656	5696	24.1
Frequency (MHz)				5540	5580	5616	5656	5696	
20	QPSK	1	0	22.85	22.85	22.88	22.91	22.91	24.1
20	QPSK	1	49	22.83	22.83	22.72	22.79	22.79	
20	QPSK	1	96	22.83	22.85	22.88	22.87	22.87	
20	QPSK	50	0	22.71	22.88	22.84	22.84	22.84	
20	QPSK	50	24	22.86	22.81	22.88	22.86	22.86	24.1
20	QPSK	50	50	22.82	22.75	22.79	22.80	22.80	
20	QPSK	100	0	22.88	22.76	22.77	22.85	22.85	
20	16QAM	1	0	22.77	22.82	22.80	22.80	22.80	
20	16QAM	1	49	22.85	22.75	22.79	22.79	22.79	24.1
20	16QAM	1	96	22.80	22.75	22.75	22.79	22.79	
20	16QAM	50	0	22.22	22.36	22.37	22.38	22.38	
20	16QAM	50	24	22.18	22.31	22.31	22.41	22.41	
20	16QAM	50	50	22.13	22.26	22.31	22.31	22.31	23.7
20	16QAM	100	0	22.17	22.30	22.27	22.38	22.38	
20	64QAM	1	0	22.00	22.14	22.15	22.20	22.20	
20	64QAM	1	49	21.83	21.97	22.05	22.09	22.09	
20	64QAM	1	96	21.88	21.96	22.03	22.01	22.01	23.7
20	64QAM	50	0	21.25	21.47	21.47	21.56	21.56	
20	64QAM	50	24	21.19	21.33	21.32	21.41	21.41	
20	64QAM	50	50	21.15	21.28	21.32	21.31	21.31	
20	64QAM	100	0	21.18	21.32	21.33	21.40	21.40	22.7
20	256QAM	1	0	18.85	19.09	19.04	19.31	19.31	
20	256QAM	1	49	18.77	19.02	19.08	19.21	19.21	
20	256QAM	1	96	19.00	19.13	19.22	19.44	19.44	
20	256QAM	50	0	19.13	19.32	19.29	19.48	19.48	
20	256QAM	50	24	19.16	19.28	19.34	19.50	19.50	20.7
20	256QAM	50	50	19.14	19.37	19.40	19.48	19.48	
20	256QAM	100	0	19.03	19.30	19.36	19.55	19.55	
Channel				5696	5736	5772	5812	5852	24.1
Frequency (MHz)				5696	5736	5772	5812	5852	
15	QPSK	1	0	22.80	22.85	22.79	22.83	22.83	24.1
15	QPSK	1	37	22.82	22.81	22.71	22.88	22.88	
15	QPSK	1	74	22.80	22.85	22.89	22.83	22.83	
15	QPSK	36	0	22.70	22.79	22.83	22.82	22.82	
15	QPSK	36	20	22.65	22.75	22.72	22.82	22.82	24.1
15	QPSK	36	39	22.61	22.72	22.72	22.79	22.79	
15	QPSK	75	0	22.62	22.69	22.70	22.80	22.80	
15	16QAM	1	0	22.70	22.61	22.69	22.69	22.69	
15	16QAM	1	37	22.81	22.71	22.78	22.71	22.71	24.1
15	16QAM	1	74	22.59	22.72	22.70	22.67	22.67	
15	16QAM	36	0	22.22	22.27	22.31	22.38	22.38	
15	16QAM	36	20	22.14	22.31	22.28	22.31	22.31	
15	16QAM	36	39	22.12	22.24	22.26	22.29	22.29	23.7
15	16QAM	75	0	22.13	22.25	22.22	22.28	22.28	
15	64QAM	1	0	21.85	22.11	22.08	22.28	22.28	
15	64QAM	1	37	21.78	21.88	22.01	21.63	21.63	
15	64QAM	1	74	21.86	21.96	21.93	21.98	21.98	22.7
15	64QAM	36	0	21.20	21.27	21.30	21.30	21.30	
15	64QAM	36	20	21.12	21.24	21.25	21.34	21.34	
15	64QAM	36	39	21.11	21.28	21.25	21.25	21.25	
15	64QAM	75	0	21.08	21.22	21.31	21.37	21.37	20.7
15	256QAM	1	0	18.80	19.05	19.05	19.32	19.32	
15	256QAM	1	37	18.75	19.05	19.05	19.35	19.35	
15	256QAM	1	74	18.97	19.12	19.25	19.43	19.43	
15	256QAM	36	0	19.13	19.30	19.31	19.52	19.52	
15	256QAM	36	20	19.19	19.34	19.31	19.53	19.53	20.7
15	256QAM	36	39	19.18	19.35	19.45	19.65	19.65	
15	256QAM	75	0	19.10	19.34	19.28	19.55	19.55	
Channel				5852	5892	5928	5968	6008	24.1
Frequency (MHz)				5852	5892	5928	5968	6008	
10	QPSK	1	0	22.85	22.75	22.81	22.81	22.81	24.1
10	QPSK	1	25	22.48	22.58	22.85	22.84	22.84	
10	QPSK	1	49	22.47	22.55	22.85	22.81	22.81	
10	QPSK	25	0	22.48	22.84	22.77	22.82	22.82	
10	QPSK	25	12	22.60	22.85	22.70	22.80	22.80	24.1
10	QPSK	25	24	22.53	22.84	22.75	22.71	22.71	
10	QPSK	50	0	22.61	22.70	22.70	22.84	22.84	
10	16QAM	1	0	22.75	22.80	22.80	22.80	22.80	
10	16QAM	1	25	22.68	22.70	22.72	22.80	22.80	24.1
10	16QAM	1	49	22.61	22.83	22.88	22.88	22.88	
10	16QAM	25	0	22.22	22.30	22.27	22.35	22.35	
10	16QAM	25	12	22.08	22.23	22.23	22.40	22.40	
10	16QAM	49	20	22.04	22.19	22.28	22.38	22.38	23.7
10	16QAM	80	0	22.11	22.35	22.17	22.33	22.33	
10	64QAM	1	0	21.91	22.11	22.12	22.10	22.10	
10	64QAM	1	24	21.70	21.90	21.98	21.97	21.97	
10	64QAM	1	49	21.82	21.95	21.95	21.91	21.91	22.7
10	64QAM	25	0	21.21	21.37	21.32	21.33	21.33	
10	64QAM	25	12	21.15	21.30	21.32	21.32	21.32	
10	64QAM	25	24	21.11	21.18	21.22	21.22	21.22	
10	64QAM	50	0	21.11	21.25	21.28	21.50	21.50	20.7
10	256QAM	1	0	18.85	19.05	19.11	19.30	19.30	
10	256QAM	1	25	18.79	19.04	19.05	19.28	19.28	
10	256QAM	1	49	19.04	19.07	19.20	19.42	19.42	
10	256QAM	25	0	19.09	19.32	19.30	19.46	19.46	
10	256QAM	25	12	19.11	19.31	19.33	19.50	19.50	20.7
10	256QAM	25	24	19.15	19.31	19.40	19.58	19.58	
10	256QAM	50	0	19.10	19.34	19.35	19.48	19.48	
Channel				6008	6048	6084	6124	6164	24.1
Frequency (MHz)				6008	6048	6084	6124	6164	
5	QPSK	1	0	22.61	22.79	22.80	22.88	22.88	24.1
5	QPSK	1	12	22.46	22.55	22.71	22.88	22.88	
5	QPSK	1	24	22.53	22.59	22.61	22.59	22.59	
5	QPSK	12	0	22.70	22.64	22.67	22.84	22.84	
5	QPSK	12	13	22.61	22.72	22.75	22.80	22.80	24.1
5	QPSK	12	13	22.60	22.83	22.79	22.72	22.72	
5	QPSK	25	0	22.63	22.71	22.77	22.80	22.80	
5	16QAM	1	0	22.77	22.83	22.81	22.96	22.96	
5	16QAM	1	12	22.63	22.71	22.75	22.71	22.71	24.1
5	16QAM	1	24	22.67	22.67	22.76	22.73	22.73	
5	16QAM	12	0	22.18	22.29	22.34	22.34	22.34	
5	16QAM	12	7	22.18	22.22	22.28	22.34	22.34	
5	16QAM	12	13	22.13	22.19	22.22	22.30	22.30	23.7
5	16QAM	25	0	22.18	22.21	22.27	22.38	22.38	
5	64QAM	1	0	21.90	22.08	22.13	22.18	22.18	
5	64QAM	1	12	21.75	21.96	22.01	21.93	21.93	
5	64QAM	1	24	21.88	21.93	22.00	22.01	22.01	22.7
5	64QAM	12	0	21.23	21.35	21.33	21.37	21.37	
5	64QAM	12	7	21.17	21.23	21.24	21.30	21.30	
5	64QAM	12	13	21.13	21.22	21.20	21.27	21.27	
5	64QAM	25	0	21.09	21.26	21.32	21.34	21.34	20.7
5	256QAM	1	0	18.86	19.13	19.08	19.24	19.24	
5	256QAM	1	12	18.72	19.05	19.04	19.29	19.29	
5	256QAM	1	24	18.96	19.08	19.27	19.35	19.35	
5	256QAM	12	0	19.08	19.18	19.28	19.40	19.40	
5	256QAM	12	7	19.09	19.15	19.29	19.41	19.41	20.7
5	256QAM	12	13	19.14	19.29	19.48	19.63	19.63	
5	256QAM	25	0	19.07	19.29	19.38	19.52	19.52	

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	25.7	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	24.57	24.53	24.59		
20	PI/2 BPSK	1	53	24.55	24.60	24.56	25.2	0.5
20	PI/2 BPSK	1	104	24.57	24.69	24.57		
20	PI/2 BPSK	50	0	23.91	24.08	24.10		
20	PI/2 BPSK	50	28	24.52	24.56	24.56	25.2	0.5
20	PI/2 BPSK	50	56	23.99	24.22	24.10		
20	PI/2 BPSK	100	0	23.97	24.09	24.05		
20	QPSK	1	1	24.55	24.52	24.61	25.7	0.0
20	QPSK	1	53	24.56	24.66	24.58		
20	QPSK	1	104	24.56	24.67	24.56		
20	QPSK	50	0	23.38	23.57	23.56	24.7	1.0
20	QPSK	50	28	24.51	24.62	24.61		
20	QPSK	50	56	23.50	23.58	23.55		
20	QPSK	100	0	23.51	23.59	23.59	24.7	1.0
20	16QAM	1	1	23.28	23.34	23.40		
20	64QAM	1	1	21.92	21.94	22.08		
20	256QAM	1	1	19.90	19.94	20.08	21.2	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	24.56	24.49	24.56	25.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	24.57	24.50	24.53	25.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	24.53	24.51	24.49	25.7	0.0

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.29	24.24	24.17	
20	PI/2 BPSK	1	53	24.13	24.15	24.06	25.0
20	PI/2 BPSK	1	104	23.96	23.37	23.10	
20	PI/2 BPSK	50	0	23.70	23.63	23.60	
20	PI/2 BPSK	50	28	24.12	24.09	24.06	24.5
20	PI/2 BPSK	50	56	23.57	23.51	23.48	
20	PI/2 BPSK	100	0	23.66	23.56	23.52	
20	QPSK	1	1	24.28	24.21	24.16	25.0
20	QPSK	1	53	24.13	24.10	24.04	
20	QPSK	1	104	23.99	23.91	23.40	
20	QPSK	50	0	23.19	23.20	23.11	24.0
20	QPSK	50	28	24.15	24.12	24.09	
20	QPSK	50	56	23.07	23.04	22.97	
20	QPSK	100	0	23.17	23.14	23.11	24.0
20	16QAM	1	1	22.92	22.83	22.78	
20	64QAM	1	1	21.88	21.80	21.75	
20	256QAM	1	1	19.97	19.88	19.77	20.5
Channel				166300	167300	168300	25.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.25	24.24	24.16	
Channel				165800	167300	168800	25.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.26	24.08	24.18	
Channel				165300	167300	169300	25.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.04	24.10	

n12_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	24.7
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.91	23.91	23.87	
15	PI/2 BPSK	1	40	23.77	23.72	23.71	24.2
15	PI/2 BPSK	1	77	23.65	23.64	23.62	
15	PI/2 BPSK	36	0	23.25	23.29	23.26	
15	PI/2 BPSK	36	22	23.70	23.67	23.62	24.2
15	PI/2 BPSK	36	43	23.16	23.08	23.10	
15	PI/2 BPSK	75	0	23.22	23.23	23.19	
15	QPSK	1	1	23.78	23.86	23.72	24.7
15	QPSK	1	40	23.71	23.71	23.70	
15	QPSK	1	77	23.61	23.56	23.56	
15	QPSK	36	0	22.77	22.79	22.72	23.7
15	QPSK	36	22	23.65	23.65	23.60	
15	QPSK	36	43	22.72	22.67	22.65	
15	QPSK	75	0	22.72	22.67	22.70	23.7
15	16QAM	1	1	22.52	22.46	22.44	
15	64QAM	1	1	21.32	21.23	21.22	
15	256QAM	1	1	19.66	19.62	19.61	20.2
Channel				140800	141500	142200	24.7
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.81	23.65	23.77	
Channel				140300	141500	142700	24.7
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.72	23.65	23.81	

n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.7
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.45	24.40	24.41	
20	PI/2 BPSK	1	53	24.53	24.44	24.43	25.2
20	PI/2 BPSK	1	104	24.39	24.36	24.23	
20	PI/2 BPSK	50	0	24.32	24.14	24.11	
20	PI/2 BPSK	50	28	24.28	24.44	24.28	25.2
20	PI/2 BPSK	50	56	24.19	24.07	23.91	
20	PI/2 BPSK	100	0	24.17	24.17	23.98	
20	QPSK	1	1	24.52	24.43	24.45	25.7
20	QPSK	1	53	24.37	24.36	24.19	
20	QPSK	1	104	24.33	24.28	24.02	
20	QPSK	50	0	23.95	23.76	23.85	24.7
20	QPSK	50	28	24.52	24.41	24.31	
20	QPSK	50	56	23.84	23.76	23.63	
20	QPSK	100	0	23.85	23.83	23.77	23.2
20	16QAM	1	1	23.41	23.38	23.53	
20	64QAM	1	1	22.46	22.24	22.23	
20	256QAM	1	1	20.79	20.58	20.53	21.2
Channel				134100	136100	138100	25.7
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.39	24.43	24.29	
Channel				133600	136100	138600	25.7
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.31	24.42	24.36	
Channel				133100	136100	139100	25.7
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.43	24.43	24.26	

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.34	24.46	24.53	25.7
20	PI/2 BPSK	1	53	24.34	24.52	24.48	
20	PI/2 BPSK	1	104	24.36	24.50	24.37	
20	PI/2 BPSK	50	0	23.78	23.89	24.00	25.2
20	PI/2 BPSK	50	28	24.34	24.44	24.46	25.7
20	PI/2 BPSK	50	56	23.79	23.97	23.94	25.2
20	PI/2 BPSK	100	0	23.83	24.01	23.96	
20	QPSK	1	1	24.34	24.52	24.49	25.7
20	QPSK	1	53	24.42	24.47	24.52	
20	QPSK	1	104	24.34	24.46	24.37	
20	QPSK	50	0	23.28	23.44	23.50	24.7
20	QPSK	50	28	24.36	24.51	24.48	25.7
20	QPSK	50	56	23.29	23.47	23.44	24.7
20	QPSK	100	0	23.35	23.48	23.52	
20	16QAM	1	1	23.14	23.32	23.31	24.7
20	64QAM	1	1	21.80	21.94	21.99	23.2
20	256QAM	1	1	19.78	19.98	20.08	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.34	24.45	24.50	25.7
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.32	24.39	24.52	25.7
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.24	24.40	24.51	25.7

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.95	24.54	24.54	
20	PI/2 BPSK	1	53	24.51	24.56	24.29	25.7
20	PI/2 BPSK	1	104	24.55	24.49	24.45	
20	PI/2 BPSK	50	0	23.97	23.95	23.72	
20	PI/2 BPSK	50	28	24.45	24.48	24.35	25.7
20	PI/2 BPSK	50	56	23.91	23.93	23.89	25.2
20	PI/2 BPSK	100	0	23.97	23.97	23.95	
20	QPSK	1	1	23.87	24.49	24.55	
20	QPSK	1	53	24.53	24.55	24.16	25.7
20	QPSK	1	104	24.51	24.55	24.48	
20	QPSK	50	0	23.54	23.44	23.47	
20	QPSK	50	28	24.47	24.48	24.20	25.7
20	QPSK	50	56	23.44	23.45	23.41	24.7
20	QPSK	100	0	23.51	23.54	23.44	
20	16QAM	1	1	22.77	23.44	23.57	
20	64QAM	1	1	22.15	22.08	22.13	23.2
20	256QAM	1	1	20.15	20.09	20.09	21.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.85	24.51	24.51	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.92	24.50	24.47	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.86	24.45	24.47	

n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.89	23.89	23.95	25.5
20	PI/2 BPSK	1	53	23.87	23.96	23.92	
20	PI/2 BPSK	1	104	23.93	23.99	23.91	
20	PI/2 BPSK	50	0	23.37	23.32	23.41	25.0
20	PI/2 BPSK	50	28	23.86	23.93	23.91	25.5
20	PI/2 BPSK	50	56	23.34	23.40	23.41	25.0
20	PI/2 BPSK	100	0	23.34	23.44	23.40	
20	QPSK	1	1	23.75	23.86	23.87	25.5
20	QPSK	1	53	23.72	23.93	23.85	
20	QPSK	1	104	23.76	23.92	23.80	
20	QPSK	50	0	22.79	22.83	22.93	24.5
20	QPSK	50	28	23.83	23.97	23.94	25.5
20	QPSK	50	56	22.88	22.98	22.90	24.5
20	QPSK	100	0	22.93	22.99	22.90	
20	16QAM	1	1	22.61	22.60	22.65	24.5
20	64QAM	1	1	21.48	21.44	21.43	23.0
20	256QAM	1	1	19.44	19.62	19.67	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.82	23.85	23.90	25.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.86	23.80	23.87	25.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.85	23.83	23.92	25.5

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.54	23.51	23.44	25.0
20	PI/2 BPSK	1	53	23.40	23.37	23.30	
20	PI/2 BPSK	1	104	22.83	22.16	22.00	
20	PI/2 BPSK	50	0	22.92	22.88	22.79	24.5
20	PI/2 BPSK	50	28	23.39	23.30	23.23	25.0
20	PI/2 BPSK	50	56	22.77	22.71	22.67	24.5
20	PI/2 BPSK	100	0	22.85	22.77	22.77	
20	QPSK	1	1	23.42	23.44	23.38	25.0
20	QPSK	1	53	23.33	23.29	23.22	
20	QPSK	1	104	22.84	22.15	21.99	
20	QPSK	50	0	22.40	22.36	22.32	24.0
20	QPSK	50	28	23.38	23.30	23.26	25.0
20	QPSK	50	56	22.30	22.23	22.14	24.0
20	QPSK	100	0	22.38	22.34	22.29	
20	16QAM	1	1	22.58	22.54	22.47	24.0
20	64QAM	1	1	20.98	20.93	20.85	22.5
20	256QAM	1	1	19.14	19.08	18.94	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.44	23.49	23.36	25.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.53	23.49	23.34	25.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.49	23.43	23.34	25.0

n12_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.11	22.16	22.09	23.0
15	PI/2 BPSK	1	40	22.07	22.02	22.00	
15	PI/2 BPSK	1	77	21.91	21.90	21.85	
15	PI/2 BPSK	36	0	21.98	22.07	21.92	23.0
15	PI/2 BPSK	36	22	21.99	21.92	21.94	23.0
15	PI/2 BPSK	36	43	21.91	21.93	21.89	23.0
15	PI/2 BPSK	75	0	22.00	21.97	21.97	
15	QPSK	1	1	22.10	22.11	22.08	23.0
15	QPSK	1	40	21.94	22.05	22.06	
15	QPSK	1	77	21.96	21.90	21.92	
15	QPSK	36	0	21.98	22.01	21.96	23.0
15	QPSK	36	22	22.00	21.99	21.97	23.0
15	QPSK	36	43	21.94	21.88	21.90	23.0
15	QPSK	75	0	22.04	22.03	21.97	
15	16QAM	1	1	22.03	22.02	22.01	23.0
15	64QAM	1	1	21.21	21.24	21.18	22.5
15	256QAM	1	1	19.54	19.52	19.48	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	22.09	22.13	22.08	23.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	22.02	22.06	22.05	23.0

n71_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.48	23.43	23.41	25.0
20	PI/2 BPSK	1	53	23.43	23.36	23.28	
20	PI/2 BPSK	1	104	23.29	23.23	23.00	
20	PI/2 BPSK	50	0	22.89	22.80	22.71	24.5
20	PI/2 BPSK	50	28	23.38	23.30	23.14	25.0
20	PI/2 BPSK	50	56	22.84	22.65	22.52	24.5
20	PI/2 BPSK	100	0	22.89	22.79	22.63	
20	QPSK	1	1	23.34	23.34	23.37	25.0
20	QPSK	1	53	23.21	23.29	23.13	
20	QPSK	1	104	23.24	23.15	22.86	
20	QPSK	50	0	22.64	22.47	22.49	24.0
20	QPSK	50	28	23.40	23.28	23.17	25.0
20	QPSK	50	56	22.49	22.42	22.22	24.0
20	QPSK	100	0	22.57	22.48	22.42	
20	16QAM	1	1	22.47	22.62	22.57	24.0
20	64QAM	1	1	21.19	21.03	20.91	22.5
20	256QAM	1	1	19.27	19.05	19.02	20.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.45	23.38	23.34	25.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.38	23.35	23.41	25.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.40	23.37	23.35	25.0

n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.74	23.78	23.82	25.5
20	PI/2 BPSK	1	53	23.70	23.83	23.77	
20	PI/2 BPSK	1	104	23.82	23.83	23.79	
20	PI/2 BPSK	50	0	23.22	23.32	23.29	25.0
20	PI/2 BPSK	50	28	23.66	23.81	23.76	25.5
20	PI/2 BPSK	50	56	23.22	23.38	23.24	25.0
20	PI/2 BPSK	100	0	23.17	23.31	23.27	
20	QPSK	1	1	23.61	23.76	23.79	25.5
20	QPSK	1	53	23.62	23.76	23.71	
20	QPSK	1	104	23.60	23.76	23.73	
20	QPSK	50	0	22.64	22.83	22.82	24.5
20	QPSK	50	28	23.72	23.82	23.77	25.5
20	QPSK	50	56	22.72	22.77	22.76	24.5
20	QPSK	100	0	22.73	22.88	22.82	
20	16QAM	1	1	22.45	22.53	22.54	24.5
20	64QAM	1	1	21.36	21.43	21.30	23.0
20	256QAM	1	1	19.31	19.50	19.58	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.72	23.78	23.81	25.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.71	23.81	25.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.73	23.72	23.79	25.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.85	23.87	23.84	
20	PI/2 BPSK	1	53	23.76	23.83	23.75	25.5
20	PI/2 BPSK	1	104	23.76	23.86	23.70	
20	PI/2 BPSK	50	0	23.29	23.33	23.31	
20	PI/2 BPSK	50	28	23.72	23.78	23.73	25.5
20	PI/2 BPSK	50	56	23.28	23.23	23.15	25.0
20	PI/2 BPSK	100	0	23.26	23.26	23.27	
20	QPSK	1	1	23.71	23.70	23.76	
20	QPSK	1	53	23.69	23.74	23.70	25.5
20	QPSK	1	104	23.69	23.77	23.63	
20	QPSK	50	0	22.75	22.82	22.81	
20	QPSK	50	28	23.77	23.78	23.76	25.5
20	QPSK	50	56	22.80	22.76	22.69	24.5
20	QPSK	100	0	22.79	22.84	22.77	
20	16QAM	1	1	22.54	22.48	22.48	
20	64QAM	1	1	21.34	21.28	21.23	23.0
20	256QAM	1	1	19.52	19.48	19.58	21.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.77	23.80	23.83	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.81	23.77	23.83	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.79	23.85	23.82	

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	25.7
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.57	24.53	24.59	
20	PI/2 BPSK	1	53	24.55	24.60	24.56	25.2
20	PI/2 BPSK	1	104	24.57	24.69	24.57	
20	PI/2 BPSK	50	0	23.91	24.08	24.10	
20	PI/2 BPSK	50	28	24.52	24.56	24.56	25.7
20	PI/2 BPSK	50	56	23.99	24.22	24.10	
20	PI/2 BPSK	100	0	23.97	24.09	24.05	
20	QPSK	1	1	24.55	24.52	24.61	25.7
20	QPSK	1	53	24.56	24.66	24.58	
20	QPSK	1	104	24.56	24.67	24.56	
20	QPSK	50	0	23.38	23.57	23.56	24.7
20	QPSK	50	28	24.51	24.62	24.61	
20	QPSK	50	56	23.50	23.58	23.55	
20	QPSK	100	0	23.51	23.59	23.59	24.7
20	16QAM	1	1	23.28	23.34	23.40	
20	64QAM	1	1	21.92	21.94	22.08	
20	256QAM	1	1	19.90	19.94	20.08	21.2
Channel				371500	376000	380500	25.7
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	24.56	24.49	24.56	
Channel				371000	376000	381000	25.7
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	24.57	24.50	24.53	
Channel				370500	376000	381500	25.7
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.53	24.51	24.49	

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.29	24.24	24.17	
20	PI/2 BPSK	1	53	24.13	24.15	24.06	25.0
20	PI/2 BPSK	1	104	23.96	23.37	23.10	
20	PI/2 BPSK	50	0	23.70	23.63	23.60	
20	PI/2 BPSK	50	28	24.12	24.09	24.06	24.5
20	PI/2 BPSK	50	56	23.57	23.51	23.48	
20	PI/2 BPSK	100	0	23.66	23.56	23.52	
20	QPSK	1	1	24.28	24.21	24.16	25.0
20	QPSK	1	53	24.13	24.10	24.04	
20	QPSK	1	104	23.99	23.91	23.40	
20	QPSK	50	0	23.19	23.20	23.11	24.0
20	QPSK	50	28	24.15	24.12	24.09	
20	QPSK	50	56	23.07	23.04	22.97	
20	QPSK	100	0	23.17	23.14	23.11	24.0
20	16QAM	1	1	22.92	22.83	22.78	
20	64QAM	1	1	21.88	21.80	21.75	
20	256QAM	1	1	19.97	19.88	19.77	20.5
Channel				166300	167300	168300	25.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.25	24.24	24.16	
Channel				165800	167300	168800	25.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.26	24.08	24.18	
Channel				165300	167300	169300	25.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.04	24.10	

n12_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.91	23.91	23.87	24.7
15	PI/2 BPSK	1	40	23.77	23.72	23.71	
15	PI/2 BPSK	1	77	23.65	23.64	23.62	
15	PI/2 BPSK	36	0	23.25	23.29	23.26	24.2
15	PI/2 BPSK	36	22	23.70	23.67	23.62	24.7
15	PI/2 BPSK	36	43	23.16	23.08	23.10	24.2
15	PI/2 BPSK	75	0	23.22	23.23	23.19	
15	QPSK	1	1	23.78	23.86	23.72	24.7
15	QPSK	1	40	23.71	23.71	23.70	
15	QPSK	1	77	23.61	23.56	23.56	
15	QPSK	36	0	22.77	22.79	22.72	23.7
15	QPSK	36	22	23.65	23.65	23.60	24.7
15	QPSK	36	43	22.72	22.67	22.65	23.7
15	QPSK	75	0	22.72	22.67	22.70	
15	16QAM	1	1	22.52	22.46	22.44	23.7
15	64QAM	1	1	21.32	21.23	21.22	22.2
15	256QAM	1	1	19.66	19.62	19.61	20.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.81	23.65	23.77	24.7
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.72	23.65	23.81	24.7

n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.45	24.40	24.41	25.7
20	PI/2 BPSK	1	53	24.53	24.44	24.43	
20	PI/2 BPSK	1	104	24.39	24.36	24.23	
20	PI/2 BPSK	50	0	24.32	24.14	24.11	25.2
20	PI/2 BPSK	50	28	24.28	24.44	24.28	25.7
20	PI/2 BPSK	50	56	24.19	24.07	23.91	25.2
20	PI/2 BPSK	100	0	24.17	24.17	23.98	
20	QPSK	1	1	24.52	24.43	24.45	25.7
20	QPSK	1	53	24.37	24.36	24.19	
20	QPSK	1	104	24.33	24.28	24.02	
20	QPSK	50	0	23.95	23.76	23.85	24.7
20	QPSK	50	28	24.52	24.41	24.31	25.7
20	QPSK	50	56	23.84	23.76	23.63	24.7
20	QPSK	100	0	23.85	23.83	23.77	
20	16QAM	1	1	23.41	23.38	23.53	24.7
20	64QAM	1	1	22.46	22.24	22.23	23.2
20	256QAM	1	1	20.79	20.58	20.53	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.39	24.43	24.29	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.31	24.42	24.36	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.43	24.43	24.26	25.7

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.34	24.46	24.53	25.7
20	PI/2 BPSK	1	53	24.34	24.52	24.48	
20	PI/2 BPSK	1	104	24.36	24.50	24.37	
20	PI/2 BPSK	50	0	23.78	23.89	24.00	25.2
20	PI/2 BPSK	50	28	24.34	24.44	24.46	25.7
20	PI/2 BPSK	50	56	23.79	23.97	23.94	25.2
20	PI/2 BPSK	100	0	23.83	24.01	23.96	
20	QPSK	1	1	24.34	24.52	24.49	25.7
20	QPSK	1	53	24.42	24.47	24.52	
20	QPSK	1	104	24.34	24.46	24.37	
20	QPSK	50	0	23.28	23.44	23.50	24.7
20	QPSK	50	28	24.36	24.51	24.48	25.7
20	QPSK	50	56	23.29	23.47	23.44	24.7
20	QPSK	100	0	23.35	23.48	23.52	
20	16QAM	1	1	23.14	23.32	23.31	24.7
20	64QAM	1	1	21.80	21.94	21.99	23.2
20	256QAM	1	1	19.78	19.98	20.08	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.34	24.45	24.50	25.7
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.32	24.39	24.52	25.7
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.24	24.40	24.51	25.7

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.95	24.54	24.54	
20	PI/2 BPSK	1	53	24.51	24.56	24.29	25.7
20	PI/2 BPSK	1	104	24.55	24.49	24.45	
20	PI/2 BPSK	50	0	23.97	23.95	23.72	
20	PI/2 BPSK	50	28	24.45	24.48	24.35	25.7
20	PI/2 BPSK	50	56	23.91	23.93	23.89	25.2
20	PI/2 BPSK	100	0	23.97	23.97	23.95	
20	QPSK	1	1	23.87	24.49	24.55	
20	QPSK	1	53	24.53	24.55	24.16	25.7
20	QPSK	1	104	24.51	24.55	24.48	
20	QPSK	50	0	23.54	23.44	23.47	
20	QPSK	50	28	24.47	24.48	24.20	25.7
20	QPSK	50	56	23.44	23.45	23.41	24.7
20	QPSK	100	0	23.51	23.54	23.44	
20	16QAM	1	1	22.77	23.44	23.57	
20	64QAM	1	1	22.15	22.08	22.13	23.2
20	256QAM	1	1	20.15	20.09	20.09	21.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.85	24.51	24.51	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.92	24.50	24.47	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.86	24.45	24.47	

n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.89	23.89	23.95	25.5
20	PI/2 BPSK	1	53	23.87	23.96	23.92	
20	PI/2 BPSK	1	104	23.93	23.99	23.91	
20	PI/2 BPSK	50	0	23.37	23.32	23.41	25.0
20	PI/2 BPSK	50	28	23.86	23.93	23.91	25.5
20	PI/2 BPSK	50	56	23.34	23.40	23.41	25.0
20	PI/2 BPSK	100	0	23.34	23.44	23.40	
20	QPSK	1	1	23.75	23.86	23.87	25.5
20	QPSK	1	53	23.72	23.93	23.85	
20	QPSK	1	104	23.76	23.92	23.80	
20	QPSK	50	0	22.79	22.83	22.93	24.5
20	QPSK	50	28	23.83	23.97	23.94	25.5
20	QPSK	50	56	22.88	22.98	22.90	24.5
20	QPSK	100	0	22.93	22.99	22.90	
20	16QAM	1	1	22.61	22.60	22.65	24.5
20	64QAM	1	1	21.48	21.44	21.43	23.0
20	256QAM	1	1	19.44	19.62	19.67	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.82	23.85	23.90	25.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.86	23.80	23.87	25.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.85	23.83	23.92	25.5

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.54	23.51	23.44	25.0
20	PI/2 BPSK	1	53	23.40	23.37	23.30	
20	PI/2 BPSK	1	104	22.83	22.16	22.00	
20	PI/2 BPSK	50	0	22.92	22.88	22.79	24.5
20	PI/2 BPSK	50	28	23.39	23.30	23.23	25.0
20	PI/2 BPSK	50	56	22.77	22.71	22.67	24.5
20	PI/2 BPSK	100	0	22.85	22.77	22.77	
20	QPSK	1	1	23.42	23.44	23.38	25.0
20	QPSK	1	53	23.33	23.29	23.22	
20	QPSK	1	104	22.84	22.15	21.99	
20	QPSK	50	0	22.40	22.36	22.32	24.0
20	QPSK	50	28	23.38	23.30	23.26	25.0
20	QPSK	50	56	22.30	22.23	22.14	24.0
20	QPSK	100	0	22.38	22.34	22.29	
20	16QAM	1	1	22.58	22.54	22.47	24.0
20	64QAM	1	1	20.98	20.93	20.85	22.5
20	256QAM	1	1	19.14	19.08	18.94	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.44	23.49	23.36	25.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.53	23.49	23.34	25.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.49	23.43	23.34	25.0

n12_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	23.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.11	22.16	22.09	23.0
15	PI/2 BPSK	1	40	22.07	22.02	22.00	
15	PI/2 BPSK	1	77	21.91	21.90	21.85	
15	PI/2 BPSK	36	0	21.98	22.07	21.92	23.0
15	PI/2 BPSK	36	22	21.99	21.92	21.94	23.0
15	PI/2 BPSK	36	43	21.91	21.93	21.89	23.0
15	PI/2 BPSK	75	0	22.00	21.97	21.97	
15	QPSK	1	1	22.10	22.11	22.08	23.0
15	QPSK	1	40	21.94	22.05	22.06	
15	QPSK	1	77	21.96	21.90	21.92	
15	QPSK	36	0	21.98	22.01	21.96	23.0
15	QPSK	36	22	22.00	21.99	21.97	23.0
15	QPSK	36	43	21.94	21.88	21.90	23.0
15	QPSK	75	0	22.04	22.03	21.97	
15	16QAM	1	1	22.03	22.02	22.01	23.0
15	64QAM	1	1	21.21	21.24	21.18	22.5
	256QAM	1	1	19.54	19.52	19.48	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	22.09	22.13	22.08	23.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	22.02	22.06	22.05	23.0

n71_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.48	23.43	23.41	
20	PI/2 BPSK	1	53	23.43	23.36	23.28	25.0
20	PI/2 BPSK	1	104	23.29	23.23	23.00	
20	PI/2 BPSK	50	0	22.89	22.80	22.71	
20	PI/2 BPSK	50	28	23.38	23.30	23.14	24.5
20	PI/2 BPSK	50	56	22.84	22.65	22.52	
20	PI/2 BPSK	100	0	22.89	22.79	22.63	
20	QPSK	1	1	23.34	23.34	23.37	25.0
20	QPSK	1	53	23.21	23.29	23.13	
20	QPSK	1	104	23.24	23.15	22.86	
20	QPSK	50	0	22.64	22.47	22.49	24.0
20	QPSK	50	28	23.40	23.28	23.17	
20	QPSK	50	56	22.49	22.42	22.22	
20	QPSK	100	0	22.57	22.48	22.42	24.0
20	16QAM	1	1	22.47	22.62	22.57	
20	64QAM	1	1	21.19	21.03	20.91	
20	256QAM	1	1	19.27	19.05	19.02	20.5
Channel				134100	136100	138100	25.0
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.45	23.38	23.34	
Channel				133600	136100	138600	25.0
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.38	23.35	23.41	
Channel				133100	136100	139100	25.0
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.40	23.37	23.35	

n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.74	23.78	23.82	25.5
20	PI/2 BPSK	1	53	23.70	23.83	23.77	
20	PI/2 BPSK	1	104	23.82	23.83	23.79	
20	PI/2 BPSK	50	0	23.22	23.32	23.29	25.0
20	PI/2 BPSK	50	28	23.66	23.81	23.76	25.5
20	PI/2 BPSK	50	56	23.22	23.38	23.24	25.0
20	PI/2 BPSK	100	0	23.17	23.31	23.27	
20	QPSK	1	1	23.61	23.76	23.79	25.5
20	QPSK	1	53	23.62	23.76	23.71	
20	QPSK	1	104	23.60	23.76	23.73	
20	QPSK	50	0	22.64	22.83	22.82	24.5
20	QPSK	50	28	23.72	23.82	23.77	25.5
20	QPSK	50	56	22.72	22.77	22.76	24.5
20	QPSK	100	0	22.73	22.88	22.82	
20	16QAM	1	1	22.45	22.53	22.54	24.5
20	64QAM	1	1	21.36	21.43	21.30	23.0
20	256QAM	1	1	19.31	19.50	19.58	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.72	23.78	23.81	25.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.71	23.81	25.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.73	23.72	23.79	25.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.85	23.87	23.84	
20	PI/2 BPSK	1	53	23.76	23.83	23.75	25.5
20	PI/2 BPSK	1	104	23.76	23.86	23.70	
20	PI/2 BPSK	50	0	23.29	23.33	23.31	
20	PI/2 BPSK	50	28	23.72	23.78	23.73	25.5
20	PI/2 BPSK	50	56	23.28	23.23	23.15	25.0
20	PI/2 BPSK	100	0	23.26	23.26	23.27	
20	QPSK	1	1	23.71	23.70	23.76	
20	QPSK	1	53	23.69	23.74	23.70	25.5
20	QPSK	1	104	23.69	23.77	23.63	
20	QPSK	50	0	22.75	22.82	22.81	
20	QPSK	50	28	23.77	23.78	23.76	25.5
20	QPSK	50	56	22.80	22.76	22.69	24.5
20	QPSK	100	0	22.79	22.84	22.77	
20	16QAM	1	1	22.54	22.48	22.48	
20	64QAM	1	1	21.34	21.28	21.23	23.0
20	256QAM	1	1	19.52	19.48	19.58	21.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.77	23.80	23.83	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.81	23.77	23.83	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.79	23.85	23.82	

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.57	24.53	24.59	25.7
20	PI/2 BPSK	1	53	24.55	24.60	24.56	
20	PI/2 BPSK	1	104	24.57	24.69	24.57	
20	PI/2 BPSK	50	0	23.91	24.08	24.10	25.2
20	PI/2 BPSK	50	28	24.52	24.56	24.56	25.7
20	PI/2 BPSK	50	56	23.99	24.22	24.10	25.2
20	PI/2 BPSK	100	0	23.97	24.09	24.05	
20	QPSK	1	1	24.55	24.52	24.61	25.7
20	QPSK	1	53	24.56	24.66	24.58	
20	QPSK	1	104	24.56	24.67	24.56	
20	QPSK	50	0	23.38	23.57	23.56	24.7
20	QPSK	50	28	24.51	24.62	24.61	25.7
20	QPSK	50	56	23.50	23.58	23.55	24.7
20	QPSK	100	0	23.51	23.59	23.59	
20	16QAM	1	1	23.28	23.34	23.40	24.7
20	64QAM	1	1	21.92	21.94	22.08	23.2
20	256QAM	1	1	19.90	19.94	20.08	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	24.56	24.49	24.56	25.7
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	24.57	24.50	24.53	25.7
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.53	24.51	24.49	25.7

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.29	24.24	24.17	
20	PI/2 BPSK	1	53	24.13	24.15	24.06	25.0
20	PI/2 BPSK	1	104	23.96	23.37	23.10	
20	PI/2 BPSK	50	0	23.70	23.63	23.60	
20	PI/2 BPSK	50	28	24.12	24.09	24.06	24.5
20	PI/2 BPSK	50	56	23.57	23.51	23.48	
20	PI/2 BPSK	100	0	23.66	23.56	23.52	
20	QPSK	1	1	24.28	24.21	24.16	25.0
20	QPSK	1	53	24.13	24.10	24.04	
20	QPSK	1	104	23.99	23.91	23.40	
20	QPSK	50	0	23.19	23.20	23.11	24.0
20	QPSK	50	28	24.15	24.12	24.09	
20	QPSK	50	56	23.07	23.04	22.97	
20	QPSK	100	0	23.17	23.14	23.11	24.0
20	16QAM	1	1	22.92	22.83	22.78	
20	64QAM	1	1	21.88	21.80	21.75	
20	256QAM	1	1	19.97	19.88	19.77	20.5
Channel				166300	167300	168300	25.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.25	24.24	24.16	
Channel				165800	167300	168800	25.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.26	24.08	24.18	
Channel				165300	167300	169300	25.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.04	24.10	

n12_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.91	23.91	23.87	24.7
15	PI/2 BPSK	1	40	23.77	23.72	23.71	
15	PI/2 BPSK	1	77	23.65	23.64	23.62	
15	PI/2 BPSK	36	0	23.25	23.29	23.26	24.2
15	PI/2 BPSK	36	22	23.70	23.67	23.62	24.7
15	PI/2 BPSK	36	43	23.16	23.08	23.10	24.2
15	PI/2 BPSK	75	0	23.22	23.23	23.19	
15	QPSK	1	1	23.78	23.86	23.72	24.7
15	QPSK	1	40	23.71	23.71	23.70	
15	QPSK	1	77	23.61	23.56	23.56	
15	QPSK	36	0	22.77	22.79	22.72	23.7
15	QPSK	36	22	23.65	23.65	23.60	24.7
15	QPSK	36	43	22.72	22.67	22.65	23.7
15	QPSK	75	0	22.72	22.67	22.70	
15	16QAM	1	1	22.52	22.46	22.44	23.7
15	64QAM	1	1	21.32	21.23	21.22	22.2
15	256QAM	1	1	19.66	19.62	19.61	20.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.81	23.65	23.77	24.7
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.72	23.65	23.81	24.7

n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.45	24.40	24.41	25.7
20	PI/2 BPSK	1	53	24.53	24.44	24.43	
20	PI/2 BPSK	1	104	24.39	24.36	24.23	
20	PI/2 BPSK	50	0	24.32	24.14	24.11	25.2
20	PI/2 BPSK	50	28	24.28	24.44	24.28	25.7
20	PI/2 BPSK	50	56	24.19	24.07	23.91	25.2
20	PI/2 BPSK	100	0	24.17	24.17	23.98	
20	QPSK	1	1	24.52	24.43	24.45	25.7
20	QPSK	1	53	24.37	24.36	24.19	
20	QPSK	1	104	24.33	24.28	24.02	
20	QPSK	50	0	23.95	23.76	23.85	24.7
20	QPSK	50	28	24.52	24.41	24.31	25.7
20	QPSK	50	56	23.84	23.76	23.63	24.7
20	QPSK	100	0	23.85	23.83	23.77	
20	16QAM	1	1	23.41	23.38	23.53	24.7
20	64QAM	1	1	22.46	22.24	22.23	23.2
20	256QAM	1	1	20.79	20.58	20.53	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.39	24.43	24.29	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.31	24.42	24.36	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.43	24.43	24.26	25.7

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.34	24.46	24.53	25.7
20	PI/2 BPSK	1	53	24.34	24.52	24.48	
20	PI/2 BPSK	1	104	24.36	24.50	24.37	
20	PI/2 BPSK	50	0	23.78	23.89	24.00	25.2
20	PI/2 BPSK	50	28	24.34	24.44	24.46	25.7
20	PI/2 BPSK	50	56	23.79	23.97	23.94	25.2
20	PI/2 BPSK	100	0	23.83	24.01	23.96	
20	QPSK	1	1	24.34	24.52	24.49	25.7
20	QPSK	1	53	24.42	24.47	24.52	
20	QPSK	1	104	24.34	24.46	24.37	
20	QPSK	50	0	23.28	23.44	23.50	24.7
20	QPSK	50	28	24.36	24.51	24.48	25.7
20	QPSK	50	56	23.29	23.47	23.44	24.7
20	QPSK	100	0	23.35	23.48	23.52	
20	16QAM	1	1	23.14	23.32	23.31	24.7
20	64QAM	1	1	21.80	21.94	21.99	23.2
20	256QAM	1	1	19.78	19.98	20.08	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.34	24.45	24.50	25.7
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.32	24.39	24.52	25.7
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.24	24.40	24.51	25.7

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.95	24.54	24.54	
20	PI/2 BPSK	1	53	24.51	24.56	24.29	25.7
20	PI/2 BPSK	1	104	24.55	24.49	24.45	
20	PI/2 BPSK	50	0	23.97	23.95	23.72	
20	PI/2 BPSK	50	28	24.45	24.48	24.35	25.2
20	PI/2 BPSK	50	56	23.91	23.93	23.89	25.2
20	PI/2 BPSK	100	0	23.97	23.97	23.95	
20	QPSK	1	1	23.87	24.49	24.55	
20	QPSK	1	53	24.53	24.55	24.16	25.7
20	QPSK	1	104	24.51	24.55	24.48	
20	QPSK	50	0	23.54	23.44	23.47	
20	QPSK	50	28	24.47	24.48	24.20	25.7
20	QPSK	50	56	23.44	23.45	23.41	24.7
20	QPSK	100	0	23.51	23.54	23.44	
20	16QAM	1	1	22.77	23.44	23.57	
20	64QAM	1	1	22.15	22.08	22.13	23.2
20	256QAM	1	1	20.15	20.09	20.09	21.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.85	24.51	24.51	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.92	24.50	24.47	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.86	24.45	24.47	

n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.89	23.89	23.95	25.5
20	PI/2 BPSK	1	53	23.87	23.96	23.92	
20	PI/2 BPSK	1	104	23.93	23.99	23.91	
20	PI/2 BPSK	50	0	23.37	23.32	23.41	25.0
20	PI/2 BPSK	50	28	23.86	23.93	23.91	25.5
20	PI/2 BPSK	50	56	23.34	23.40	23.41	25.0
20	PI/2 BPSK	100	0	23.34	23.44	23.40	
20	QPSK	1	1	23.75	23.86	23.87	25.5
20	QPSK	1	53	23.72	23.93	23.85	
20	QPSK	1	104	23.76	23.92	23.80	
20	QPSK	50	0	22.79	22.83	22.93	24.5
20	QPSK	50	28	23.83	23.97	23.94	25.5
20	QPSK	50	56	22.88	22.98	22.90	24.5
20	QPSK	100	0	22.93	22.99	22.90	
20	16QAM	1	1	22.61	22.60	22.65	24.5
20	64QAM	1	1	21.48	21.44	21.43	23.0
20	256QAM	1	1	19.44	19.62	19.67	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.82	23.85	23.90	25.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.86	23.80	23.87	25.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.85	23.83	23.92	25.5

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.54	23.51	23.44	
20	PI/2 BPSK	1	53	23.40	23.37	23.30	25.0
20	PI/2 BPSK	1	104	22.83	22.16	22.00	
20	PI/2 BPSK	50	0	22.92	22.88	22.79	
20	PI/2 BPSK	50	28	23.39	23.30	23.23	24.5
20	PI/2 BPSK	50	56	22.77	22.71	22.67	
20	PI/2 BPSK	100	0	22.85	22.77	22.77	
20	QPSK	1	1	23.42	23.44	23.38	25.0
20	QPSK	1	53	23.33	23.29	23.22	
20	QPSK	1	104	22.84	22.15	21.99	
20	QPSK	50	0	22.40	22.36	22.32	24.0
20	QPSK	50	28	23.38	23.30	23.26	
20	QPSK	50	56	22.30	22.23	22.14	
20	QPSK	100	0	22.38	22.34	22.29	24.0
20	16QAM	1	1	22.58	22.54	22.47	
20	64QAM	1	1	20.98	20.93	20.85	
20	256QAM	1	1	19.14	19.08	18.94	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.44	23.49	23.36	
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.53	23.49	23.34	
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.49	23.43	23.34	

n12_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	23.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.11	22.16	22.09	23.0
15	PI/2 BPSK	1	40	22.07	22.02	22.00	
15	PI/2 BPSK	1	77	21.91	21.90	21.85	
15	PI/2 BPSK	36	0	21.98	22.07	21.92	23.0
15	PI/2 BPSK	36	22	21.99	21.92	21.94	23.0
15	PI/2 BPSK	36	43	21.91	21.93	21.89	23.0
15	PI/2 BPSK	75	0	22.00	21.97	21.97	
15	QPSK	1	1	22.10	22.11	22.08	23.0
15	QPSK	1	40	21.94	22.05	22.06	
15	QPSK	1	77	21.96	21.90	21.92	
15	QPSK	36	0	21.98	22.01	21.96	23.0
15	QPSK	36	22	22.00	21.99	21.97	23.0
15	QPSK	36	43	21.94	21.88	21.90	23.0
15	QPSK	75	0	22.04	22.03	21.97	
15	16QAM	1	1	22.03	22.02	22.01	23.0
15	64QAM	1	1	21.21	21.24	21.18	22.5
	256QAM	1	1	19.54	19.52	19.48	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	22.09	22.13	22.08	23.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	22.02	22.06	22.05	23.0

n71_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.48	23.43	23.41	
20	PI/2 BPSK	1	53	23.43	23.36	23.28	25.0
20	PI/2 BPSK	1	104	23.29	23.23	23.00	
20	PI/2 BPSK	50	0	22.89	22.80	22.71	
20	PI/2 BPSK	50	28	23.38	23.30	23.14	24.5
20	PI/2 BPSK	50	56	22.84	22.65	22.52	
20	PI/2 BPSK	100	0	22.89	22.79	22.63	
20	QPSK	1	1	23.34	23.34	23.37	25.0
20	QPSK	1	53	23.21	23.29	23.13	
20	QPSK	1	104	23.24	23.15	22.86	
20	QPSK	50	0	22.64	22.47	22.49	24.0
20	QPSK	50	28	23.40	23.28	23.17	
20	QPSK	50	56	22.49	22.42	22.22	
20	QPSK	100	0	22.57	22.48	22.42	24.0
20	16QAM	1	1	22.47	22.62	22.57	
20	64QAM	1	1	21.19	21.03	20.91	
20	256QAM	1	1	19.27	19.05	19.02	20.5
Channel				134100	136100	138100	25.0
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.45	23.38	23.34	
Channel				133600	136100	138600	25.0
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.38	23.35	23.41	
Channel				133100	136100	139100	25.0
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.40	23.37	23.35	

n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.74	23.78	23.82	
20	PI/2 BPSK	1	53	23.70	23.83	23.77	25.5
20	PI/2 BPSK	1	104	23.82	23.83	23.79	
20	PI/2 BPSK	50	0	23.22	23.32	23.29	25.0
20	PI/2 BPSK	50	28	23.66	23.81	23.76	25.5
20	PI/2 BPSK	50	56	23.22	23.38	23.24	25.0
20	PI/2 BPSK	100	0	23.17	23.31	23.27	
20	QPSK	1	1	23.61	23.76	23.79	25.5
20	QPSK	1	53	23.62	23.76	23.71	
20	QPSK	1	104	23.60	23.76	23.73	
20	QPSK	50	0	22.64	22.83	22.82	24.5
20	QPSK	50	28	23.72	23.82	23.77	25.5
20	QPSK	50	56	22.72	22.77	22.76	24.5
20	QPSK	100	0	22.73	22.88	22.82	
20	16QAM	1	1	22.45	22.53	22.54	24.5
20	64QAM	1	1	21.36	21.43	21.30	23.0
20	256QAM	1	1	19.31	19.50	19.58	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.72	23.78	23.81	25.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.71	23.81	25.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.73	23.72	23.79	25.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.85	23.87	23.84	
20	PI/2 BPSK	1	53	23.76	23.83	23.75	25.5
20	PI/2 BPSK	1	104	23.76	23.86	23.70	
20	PI/2 BPSK	50	0	23.29	23.33	23.31	
20	PI/2 BPSK	50	28	23.72	23.78	23.73	25.5
20	PI/2 BPSK	50	56	23.28	23.23	23.15	25.0
20	PI/2 BPSK	100	0	23.26	23.26	23.27	
20	QPSK	1	1	23.71	23.70	23.76	
20	QPSK	1	53	23.69	23.74	23.70	25.5
20	QPSK	1	104	23.69	23.77	23.63	
20	QPSK	50	0	22.75	22.82	22.81	
20	QPSK	50	28	23.77	23.78	23.76	25.5
20	QPSK	50	56	22.80	22.76	22.69	24.5
20	QPSK	100	0	22.79	22.84	22.77	
20	16QAM	1	1	22.54	22.48	22.48	
20	64QAM	1	1	21.34	21.28	21.23	23.0
20	256QAM	1	1	19.52	19.48	19.58	21.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.77	23.80	23.83	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.81	23.77	23.83	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.79	23.85	23.82	

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.77	23.72	23.86	25.1
20	PI/2 BPSK	1	53	23.78	23.87	23.87	
20	PI/2 BPSK	1	104	23.86	23.93	23.88	
20	PI/2 BPSK	50	0	23.76	23.74	23.81	25.1
20	PI/2 BPSK	50	28	23.78	23.84	23.85	25.1
20	PI/2 BPSK	50	56	23.79	23.89	23.86	25.1
20	PI/2 BPSK	100	0	23.75	23.84	23.81	
20	QPSK	1	1	23.85	23.82	23.89	25.1
20	QPSK	1	53	23.81	23.91	23.86	
20	QPSK	1	104	23.83	23.92	23.81	
20	QPSK	50	0	23.80	23.79	23.85	24.7
20	QPSK	50	28	23.80	23.90	23.85	25.1
20	QPSK	50	56	23.74	23.87	23.86	24.7
20	QPSK	100	0	23.76	23.91	23.84	
20	16QAM	1	1	23.73	23.69	23.80	24.7
20	64QAM	1	1	22.61	22.58	22.71	23.2
20	256QAM	1	1	20.55	20.56	20.62	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.72	23.63	23.77	25.1
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.77	23.66	23.83	25.1
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.72	23.72	23.81	25.1

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.29	24.24	24.17	
20	PI/2 BPSK	1	53	24.13	24.15	24.06	25.0
20	PI/2 BPSK	1	104	23.96	23.37	23.10	
20	PI/2 BPSK	50	0	23.70	23.63	23.60	
20	PI/2 BPSK	50	28	24.12	24.09	24.06	24.5
20	PI/2 BPSK	50	56	23.57	23.51	23.48	
20	PI/2 BPSK	100	0	23.66	23.56	23.52	
20	QPSK	1	1	24.28	24.21	24.16	25.0
20	QPSK	1	53	24.13	24.10	24.04	
20	QPSK	1	104	23.99	23.91	23.40	
20	QPSK	50	0	23.19	23.20	23.11	24.0
20	QPSK	50	28	24.15	24.12	24.09	
20	QPSK	50	56	23.07	23.04	22.97	
20	QPSK	100	0	23.17	23.14	23.11	24.0
20	16QAM	1	1	22.92	22.83	22.78	
20	64QAM	1	1	21.88	21.80	21.75	
20	256QAM	1	1	19.97	19.88	19.77	20.5
Channel				166300	167300	168300	25.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.25	24.24	24.16	
Channel				165800	167300	168800	25.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.26	24.08	24.18	
Channel				165300	167300	169300	25.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.04	24.10	

n12_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	24.7
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.91	23.91	23.87	
15	PI/2 BPSK	1	40	23.77	23.72	23.71	24.2
15	PI/2 BPSK	1	77	23.65	23.64	23.62	
15	PI/2 BPSK	36	0	23.25	23.29	23.26	
15	PI/2 BPSK	36	22	23.70	23.67	23.62	24.2
15	PI/2 BPSK	36	43	23.16	23.08	23.10	
15	PI/2 BPSK	75	0	23.22	23.23	23.19	
15	QPSK	1	1	23.78	23.86	23.72	24.7
15	QPSK	1	40	23.71	23.71	23.70	
15	QPSK	1	77	23.61	23.56	23.56	
15	QPSK	36	0	22.77	22.79	22.72	23.7
15	QPSK	36	22	23.65	23.65	23.60	
15	QPSK	36	43	22.72	22.67	22.65	
15	QPSK	75	0	22.72	22.67	22.70	23.7
15	16QAM	1	1	22.52	22.46	22.44	
15	64QAM	1	1	21.32	21.23	21.22	
15	256QAM	1	1	19.66	19.62	19.61	20.2
Channel				140800	141500	142200	24.7
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.81	23.65	23.77	
Channel				140300	141500	142700	24.7
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.72	23.65	23.81	

n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.45	24.40	24.41	25.7
20	PI/2 BPSK	1	53	24.53	24.44	24.43	
20	PI/2 BPSK	1	104	24.39	24.36	24.23	
20	PI/2 BPSK	50	0	24.32	24.14	24.11	25.2
20	PI/2 BPSK	50	28	24.28	24.44	24.28	25.7
20	PI/2 BPSK	50	56	24.19	24.07	23.91	25.2
20	PI/2 BPSK	100	0	24.17	24.17	23.98	
20	QPSK	1	1	24.52	24.43	24.45	25.7
20	QPSK	1	53	24.37	24.36	24.19	
20	QPSK	1	104	24.33	24.28	24.02	
20	QPSK	50	0	23.95	23.76	23.85	24.7
20	QPSK	50	28	24.52	24.41	24.31	25.7
20	QPSK	50	56	23.84	23.76	23.63	24.7
20	QPSK	100	0	23.85	23.83	23.77	
20	16QAM	1	1	23.41	23.38	23.53	24.7
20	64QAM	1	1	22.46	22.24	22.23	23.2
20	256QAM	1	1	20.79	20.58	20.53	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.39	24.43	24.29	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.31	24.42	24.36	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.43	24.43	24.26	25.7

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.56	23.76	23.77	25.1
20	PI/2 BPSK	1	53	23.63	23.81	23.77	
20	PI/2 BPSK	1	104	23.66	23.83	23.78	
20	PI/2 BPSK	50	0	23.52	23.69	23.73	25.1
20	PI/2 BPSK	50	28	23.64	23.76	23.75	25.1
20	PI/2 BPSK	50	56	23.65	23.77	23.76	25.1
20	PI/2 BPSK	100	0	23.58	23.76	23.74	
20	QPSK	1	1	23.59	23.72	23.76	25.1
20	QPSK	1	53	23.60	23.78	23.78	
20	QPSK	1	104	23.61	23.80	23.73	
20	QPSK	50	0	23.55	23.71	23.77	24.7
20	QPSK	50	28	23.63	23.77	23.76	25.1
20	QPSK	50	56	23.64	23.77	23.69	24.7
20	QPSK	100	0	23.64	23.82	23.76	
20	16QAM	1	1	23.51	23.63	23.75	24.7
20	64QAM	1	1	22.39	22.60	22.64	23.2
20	256QAM	1	1	20.36	20.52	20.56	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.54	23.74	23.74	25.1
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.56	23.71	23.70	25.1
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.50	23.66	23.67	25.1

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.77	23.84	23.80	
20	PI/2 BPSK	1	53	23.76	23.77	23.72	25.1
20	PI/2 BPSK	1	104	23.71	23.83	23.70	
20	PI/2 BPSK	50	0	23.75	23.83	23.74	
20	PI/2 BPSK	50	28	23.74	23.78	23.70	25.1
20	PI/2 BPSK	50	56	23.66	23.72	23.62	25.1
20	PI/2 BPSK	100	0	23.72	23.74	23.71	
20	QPSK	1	1	23.74	23.80	23.81	
20	QPSK	1	53	23.75	23.83	23.76	25.1
20	QPSK	1	104	23.74	23.72	23.65	
20	QPSK	50	0	23.73	23.80	23.76	
20	QPSK	50	28	23.73	23.79	23.74	25.1
20	QPSK	50	56	23.70	23.73	23.67	24.7
20	QPSK	100	0	23.74	23.78	23.74	
20	16QAM	1	1	23.73	23.72	23.80	
20	64QAM	1	1	22.66	22.59	22.67	23.2
20	256QAM	1	1	20.53	20.53	20.60	21.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.72	23.74	23.74	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.68	23.79	23.70	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.75	23.75	23.75	

n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.89	23.89	23.95	25.5
20	PI/2 BPSK	1	53	23.87	23.96	23.92	
20	PI/2 BPSK	1	104	23.93	23.99	23.91	
20	PI/2 BPSK	50	0	23.37	23.32	23.41	25.0
20	PI/2 BPSK	50	28	23.86	23.93	23.91	25.5
20	PI/2 BPSK	50	56	23.34	23.40	23.41	25.0
20	PI/2 BPSK	100	0	23.34	23.44	23.40	
20	QPSK	1	1	23.75	23.86	23.87	25.5
20	QPSK	1	53	23.72	23.93	23.85	
20	QPSK	1	104	23.76	23.92	23.80	
20	QPSK	50	0	22.79	22.83	22.93	24.5
20	QPSK	50	28	23.83	23.97	23.94	25.5
20	QPSK	50	56	22.88	22.98	22.90	24.5
20	QPSK	100	0	22.93	22.99	22.90	
20	16QAM	1	1	22.61	22.60	22.65	24.5
20	64QAM	1	1	21.48	21.44	21.43	23.0
20	256QAM	1	1	19.44	19.62	19.67	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.82	23.85	23.90	25.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.86	23.80	23.87	25.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.85	23.83	23.92	25.5

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.54	23.51	23.44	
20	PI/2 BPSK	1	53	23.40	23.37	23.30	25.0
20	PI/2 BPSK	1	104	22.83	22.16	22.00	
20	PI/2 BPSK	50	0	22.92	22.88	22.79	
20	PI/2 BPSK	50	28	23.39	23.30	23.23	24.5
20	PI/2 BPSK	50	56	22.77	22.71	22.67	
20	PI/2 BPSK	100	0	22.85	22.77	22.77	
20	QPSK	1	1	23.42	23.44	23.38	25.0
20	QPSK	1	53	23.33	23.29	23.22	
20	QPSK	1	104	22.84	22.15	21.99	
20	QPSK	50	0	22.40	22.36	22.32	24.0
20	QPSK	50	28	23.38	23.30	23.26	
20	QPSK	50	56	22.30	22.23	22.14	
20	QPSK	100	0	22.38	22.34	22.29	24.0
20	16QAM	1	1	22.58	22.54	22.47	
20	64QAM	1	1	20.98	20.93	20.85	
20	256QAM	1	1	19.14	19.08	18.94	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.44	23.49	23.36	
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.53	23.49	23.34	
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.49	23.43	23.34	

n12_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	23.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.11	22.16	22.09	
15	PI/2 BPSK	1	40	22.07	22.02	22.00	23.0
15	PI/2 BPSK	1	77	21.91	21.90	21.85	
15	PI/2 BPSK	36	0	21.98	22.07	21.92	
15	PI/2 BPSK	36	22	21.99	21.92	21.94	23.0
15	PI/2 BPSK	36	43	21.91	21.93	21.89	
15	PI/2 BPSK	75	0	22.00	21.97	21.97	
15	QPSK	1	1	22.10	22.11	22.08	23.0
15	QPSK	1	40	21.94	22.05	22.06	
15	QPSK	1	77	21.96	21.90	21.92	
15	QPSK	36	0	21.98	22.01	21.96	23.0
15	QPSK	36	22	22.00	21.99	21.97	
15	QPSK	36	43	21.94	21.88	21.90	
15	QPSK	75	0	22.04	22.03	21.97	23.0
15	16QAM	1	1	22.03	22.02	22.01	
15	64QAM	1	1	21.21	21.24	21.18	
	256QAM	1	1	19.54	19.52	19.48	20.5
Channel				140800	141500	142200	23.0
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	22.09	22.13	22.08	
Channel				140300	141500	142700	23.0
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	22.02	22.06	22.05	

n71_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.48	23.43	23.41	
20	PI/2 BPSK	1	53	23.43	23.36	23.28	25.0
20	PI/2 BPSK	1	104	23.29	23.23	23.00	
20	PI/2 BPSK	50	0	22.89	22.80	22.71	
20	PI/2 BPSK	50	28	23.38	23.30	23.14	24.5
20	PI/2 BPSK	50	56	22.84	22.65	22.52	
20	PI/2 BPSK	100	0	22.89	22.79	22.63	
20	QPSK	1	1	23.34	23.34	23.37	25.0
20	QPSK	1	53	23.21	23.29	23.13	
20	QPSK	1	104	23.24	23.15	22.86	
20	QPSK	50	0	22.64	22.47	22.49	24.0
20	QPSK	50	28	23.40	23.28	23.17	
20	QPSK	50	56	22.49	22.42	22.22	
20	QPSK	100	0	22.57	22.48	22.42	24.0
20	16QAM	1	1	22.47	22.62	22.57	
20	64QAM	1	1	21.19	21.03	20.91	
20	256QAM	1	1	19.27	19.05	19.02	20.5
Channel				134100	136100	138100	25.0
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.45	23.38	23.34	
Channel				133600	136100	138600	25.0
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.38	23.35	23.41	
Channel				133100	136100	139100	25.0
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.40	23.37	23.35	

n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.74	23.78	23.82	25.5
20	PI/2 BPSK	1	53	23.70	23.83	23.77	
20	PI/2 BPSK	1	104	23.82	23.83	23.79	
20	PI/2 BPSK	50	0	23.22	23.32	23.29	25.0
20	PI/2 BPSK	50	28	23.66	23.81	23.76	25.5
20	PI/2 BPSK	50	56	23.22	23.38	23.24	25.0
20	PI/2 BPSK	100	0	23.17	23.31	23.27	
20	QPSK	1	1	23.61	23.76	23.79	25.5
20	QPSK	1	53	23.62	23.76	23.71	
20	QPSK	1	104	23.60	23.76	23.73	
20	QPSK	50	0	22.64	22.83	22.82	24.5
20	QPSK	50	28	23.72	23.82	23.77	25.5
20	QPSK	50	56	22.72	22.77	22.76	24.5
20	QPSK	100	0	22.73	22.88	22.82	
20	16QAM	1	1	22.45	22.53	22.54	24.5
20	64QAM	1	1	21.36	21.43	21.30	23.0
20	256QAM	1	1	19.31	19.50	19.58	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.72	23.78	23.81	25.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.71	23.81	25.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.73	23.72	23.79	25.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.85	23.87	23.84	
20	PI/2 BPSK	1	53	23.76	23.83	23.75	25.5
20	PI/2 BPSK	1	104	23.76	23.86	23.70	
20	PI/2 BPSK	50	0	23.29	23.33	23.31	
20	PI/2 BPSK	50	28	23.72	23.78	23.73	25.5
20	PI/2 BPSK	50	56	23.28	23.23	23.15	25.0
20	PI/2 BPSK	100	0	23.26	23.26	23.27	
20	QPSK	1	1	23.71	23.70	23.76	
20	QPSK	1	53	23.69	23.74	23.70	25.5
20	QPSK	1	104	23.69	23.77	23.63	
20	QPSK	50	0	22.75	22.82	22.81	
20	QPSK	50	28	23.77	23.78	23.76	25.5
20	QPSK	50	56	22.80	22.76	22.69	24.5
20	QPSK	100	0	22.79	22.84	22.77	
20	16QAM	1	1	22.54	22.48	22.48	
20	64QAM	1	1	21.34	21.28	21.23	23.0
20	256QAM	1	1	19.52	19.48	19.58	21.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.77	23.80	23.83	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.81	23.77	23.83	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.79	23.85	23.82	

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.77	23.72	23.86	24.3
20	PI/2 BPSK	1	53	23.78	23.87	23.87	
20	PI/2 BPSK	1	104	23.86	23.93	23.88	
20	PI/2 BPSK	50	0	23.76	23.74	23.81	24.3
20	PI/2 BPSK	50	28	23.78	23.84	23.85	24.3
20	PI/2 BPSK	50	56	23.79	23.89	23.86	24.3
20	PI/2 BPSK	100	0	23.75	23.84	23.81	
20	QPSK	1	1	23.85	23.82	23.89	24.3
20	QPSK	1	53	23.81	23.91	23.86	
20	QPSK	1	104	23.83	23.92	23.81	
20	QPSK	50	0	23.80	23.79	23.85	24.3
20	QPSK	50	28	23.80	23.90	23.85	24.3
20	QPSK	50	56	23.74	23.87	23.86	24.3
20	QPSK	100	0	23.76	23.91	23.84	
20	16QAM	1	1	23.73	23.69	23.80	24.3
20	64QAM	1	1	22.61	22.58	22.71	23.2
20	256QAM	1	1	20.55	20.56	20.62	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.72	23.63	23.77	24.3
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.77	23.66	23.83	24.3
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.72	23.72	23.81	24.3

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.29	24.24	24.17	
20	PI/2 BPSK	1	53	24.13	24.15	24.06	25.0
20	PI/2 BPSK	1	104	23.96	23.37	23.10	
20	PI/2 BPSK	50	0	23.70	23.63	23.60	
20	PI/2 BPSK	50	28	24.12	24.09	24.06	24.5
20	PI/2 BPSK	50	56	23.57	23.51	23.48	
20	PI/2 BPSK	100	0	23.66	23.56	23.52	
20	QPSK	1	1	24.28	24.21	24.16	25.0
20	QPSK	1	53	24.13	24.10	24.04	
20	QPSK	1	104	23.99	23.91	23.40	
20	QPSK	50	0	23.19	23.20	23.11	24.0
20	QPSK	50	28	24.15	24.12	24.09	
20	QPSK	50	56	23.07	23.04	22.97	
20	QPSK	100	0	23.17	23.14	23.11	24.0
20	16QAM	1	1	22.92	22.83	22.78	
20	64QAM	1	1	21.88	21.80	21.75	
20	256QAM	1	1	19.97	19.88	19.77	20.5
Channel				166300	167300	168300	25.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.25	24.24	24.16	
Channel				165800	167300	168800	25.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.26	24.08	24.18	
Channel				165300	167300	169300	25.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.04	24.10	

n12_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	24.7
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.91	23.91	23.87	
15	PI/2 BPSK	1	40	23.77	23.72	23.71	24.2
15	PI/2 BPSK	1	77	23.65	23.64	23.62	
15	PI/2 BPSK	36	0	23.25	23.29	23.26	
15	PI/2 BPSK	36	22	23.70	23.67	23.62	24.2
15	PI/2 BPSK	36	43	23.16	23.08	23.10	
15	PI/2 BPSK	75	0	23.22	23.23	23.19	
15	QPSK	1	1	23.78	23.86	23.72	24.7
15	QPSK	1	40	23.71	23.71	23.70	
15	QPSK	1	77	23.61	23.56	23.56	
15	QPSK	36	0	22.77	22.79	22.72	23.7
15	QPSK	36	22	23.65	23.65	23.60	
15	QPSK	36	43	22.72	22.67	22.65	
15	QPSK	75	0	22.72	22.67	22.70	23.7
15	16QAM	1	1	22.52	22.46	22.44	
15	64QAM	1	1	21.32	21.23	21.22	
15	256QAM	1	1	19.66	19.62	19.61	20.2
Channel				140800	141500	142200	24.7
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.81	23.65	23.77	
Channel				140300	141500	142700	24.7
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.72	23.65	23.81	

n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.45	24.40	24.41	25.7
20	PI/2 BPSK	1	53	24.53	24.44	24.43	
20	PI/2 BPSK	1	104	24.39	24.36	24.23	
20	PI/2 BPSK	50	0	24.32	24.14	24.11	25.2
20	PI/2 BPSK	50	28	24.28	24.44	24.28	25.7
20	PI/2 BPSK	50	56	24.19	24.07	23.91	25.2
20	PI/2 BPSK	100	0	24.17	24.17	23.98	
20	QPSK	1	1	24.52	24.43	24.45	25.7
20	QPSK	1	53	24.37	24.36	24.19	
20	QPSK	1	104	24.33	24.28	24.02	
20	QPSK	50	0	23.95	23.76	23.85	24.7
20	QPSK	50	28	24.52	24.41	24.31	25.7
20	QPSK	50	56	23.84	23.76	23.63	24.7
20	QPSK	100	0	23.85	23.83	23.77	
20	16QAM	1	1	23.41	23.38	23.53	24.7
20	64QAM	1	1	22.46	22.24	22.23	23.2
20	256QAM	1	1	20.79	20.58	20.53	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.39	24.43	24.29	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.31	24.42	24.36	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.43	24.43	24.26	25.7

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	24.3
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.56	23.76	23.77	
20	PI/2 BPSK	1	53	23.63	23.81	23.77	24.3
20	PI/2 BPSK	1	104	23.66	23.83	23.78	
20	PI/2 BPSK	50	0	23.52	23.69	23.73	
20	PI/2 BPSK	50	28	23.64	23.76	23.75	24.3
20	PI/2 BPSK	50	56	23.65	23.77	23.76	
20	PI/2 BPSK	100	0	23.58	23.76	23.74	
20	QPSK	1	1	23.59	23.72	23.76	24.3
20	QPSK	1	53	23.60	23.78	23.78	
20	QPSK	1	104	23.61	23.80	23.73	
20	QPSK	50	0	23.55	23.71	23.77	24.3
20	QPSK	50	28	23.63	23.77	23.76	
20	QPSK	50	56	23.64	23.77	23.69	
20	QPSK	100	0	23.64	23.82	23.76	24.3
20	16QAM	1	1	23.51	23.63	23.75	
20	64QAM	1	1	22.39	22.60	22.64	
20	256QAM	1	1	20.36	20.52	20.56	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.54	23.74	23.74	24.3
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.56	23.71	23.70	24.3
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.50	23.66	23.67	24.3

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.77	23.84	23.80	
20	PI/2 BPSK	1	53	23.76	23.77	23.72	24.3
20	PI/2 BPSK	1	104	23.71	23.83	23.70	
20	PI/2 BPSK	50	0	23.75	23.83	23.74	
20	PI/2 BPSK	50	28	23.74	23.78	23.70	24.3
20	PI/2 BPSK	50	56	23.66	23.72	23.62	24.3
20	PI/2 BPSK	100	0	23.72	23.74	23.71	
20	QPSK	1	1	23.74	23.80	23.81	
20	QPSK	1	53	23.75	23.83	23.76	24.3
20	QPSK	1	104	23.74	23.72	23.65	
20	QPSK	50	0	23.73	23.80	23.76	
20	QPSK	50	28	23.73	23.79	23.74	24.3
20	QPSK	50	56	23.70	23.73	23.67	24.3
20	QPSK	100	0	23.74	23.78	23.74	
20	16QAM	1	1	23.73	23.72	23.80	24.3
20	64QAM	1	1	22.66	22.59	22.67	23.2
20	256QAM	1	1	20.53	20.53	20.60	21.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.72	23.74	23.74	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.68	23.79	23.70	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.75	23.75	23.75	

n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.89	23.89	23.95	25.5
20	PI/2 BPSK	1	53	23.87	23.96	23.92	
20	PI/2 BPSK	1	104	23.93	23.99	23.91	
20	PI/2 BPSK	50	0	23.37	23.32	23.41	25.0
20	PI/2 BPSK	50	28	23.86	23.93	23.91	25.5
20	PI/2 BPSK	50	56	23.34	23.40	23.41	25.0
20	PI/2 BPSK	100	0	23.34	23.44	23.40	
20	QPSK	1	1	23.75	23.86	23.87	25.5
20	QPSK	1	53	23.72	23.93	23.85	
20	QPSK	1	104	23.76	23.92	23.80	
20	QPSK	50	0	22.79	22.83	22.93	24.5
20	QPSK	50	28	23.83	23.97	23.94	25.5
20	QPSK	50	56	22.88	22.98	22.90	24.5
20	QPSK	100	0	22.93	22.99	22.90	
20	16QAM	1	1	22.61	22.60	22.65	24.5
20	64QAM	1	1	21.48	21.44	21.43	23.0
20	256QAM	1	1	19.44	19.62	19.67	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.82	23.85	23.90	25.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.86	23.80	23.87	25.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.85	23.83	23.92	25.5

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.54	23.51	23.44	
20	PI/2 BPSK	1	53	23.40	23.37	23.30	25.0
20	PI/2 BPSK	1	104	22.83	22.16	22.00	
20	PI/2 BPSK	50	0	22.92	22.88	22.79	
20	PI/2 BPSK	50	28	23.39	23.30	23.23	24.5
20	PI/2 BPSK	50	56	22.77	22.71	22.67	
20	PI/2 BPSK	100	0	22.85	22.77	22.77	
20	QPSK	1	1	23.42	23.44	23.38	25.0
20	QPSK	1	53	23.33	23.29	23.22	
20	QPSK	1	104	22.84	22.15	21.99	
20	QPSK	50	0	22.40	22.36	22.32	24.0
20	QPSK	50	28	23.38	23.30	23.26	
20	QPSK	50	56	22.30	22.23	22.14	
20	QPSK	100	0	22.38	22.34	22.29	24.0
20	16QAM	1	1	22.58	22.54	22.47	
20	64QAM	1	1	20.98	20.93	20.85	
20	256QAM	1	1	19.14	19.08	18.94	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.44	23.49	23.36	
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.53	23.49	23.34	
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.49	23.43	23.34	

n12_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	23.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.11	22.16	22.09	23.0
15	PI/2 BPSK	1	40	22.07	22.02	22.00	
15	PI/2 BPSK	1	77	21.91	21.90	21.85	
15	PI/2 BPSK	36	0	21.98	22.07	21.92	23.0
15	PI/2 BPSK	36	22	21.99	21.92	21.94	23.0
15	PI/2 BPSK	36	43	21.91	21.93	21.89	23.0
15	PI/2 BPSK	75	0	22.00	21.97	21.97	
15	QPSK	1	1	22.10	22.11	22.08	23.0
15	QPSK	1	40	21.94	22.05	22.06	
15	QPSK	1	77	21.96	21.90	21.92	
15	QPSK	36	0	21.98	22.01	21.96	23.0
15	QPSK	36	22	22.00	21.99	21.97	23.0
15	QPSK	36	43	21.94	21.88	21.90	23.0
15	QPSK	75	0	22.04	22.03	21.97	
15	16QAM	1	1	22.03	22.02	22.01	23.0
15	64QAM	1	1	21.21	21.24	21.18	22.5
	256QAM	1	1	19.54	19.52	19.48	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	22.09	22.13	22.08	23.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	22.02	22.06	22.05	23.0

n71_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.48	23.43	23.41	
20	PI/2 BPSK	1	53	23.43	23.36	23.28	25.0
20	PI/2 BPSK	1	104	23.29	23.23	23.00	
20	PI/2 BPSK	50	0	22.89	22.80	22.71	
20	PI/2 BPSK	50	28	23.38	23.30	23.14	24.5
20	PI/2 BPSK	50	56	22.84	22.65	22.52	
20	PI/2 BPSK	100	0	22.89	22.79	22.63	
20	QPSK	1	1	23.34	23.34	23.37	25.0
20	QPSK	1	53	23.21	23.29	23.13	
20	QPSK	1	104	23.24	23.15	22.86	
20	QPSK	50	0	22.64	22.47	22.49	24.0
20	QPSK	50	28	23.40	23.28	23.17	
20	QPSK	50	56	22.49	22.42	22.22	
20	QPSK	100	0	22.57	22.48	22.42	24.0
20	16QAM	1	1	22.47	22.62	22.57	
20	64QAM	1	1	21.19	21.03	20.91	
20	256QAM	1	1	19.27	19.05	19.02	20.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.45	23.38	23.34	
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.38	23.35	23.41	
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.40	23.37	23.35	

n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.74	23.78	23.82	25.5
20	PI/2 BPSK	1	53	23.70	23.83	23.77	
20	PI/2 BPSK	1	104	23.82	23.83	23.79	
20	PI/2 BPSK	50	0	23.22	23.32	23.29	25.0
20	PI/2 BPSK	50	28	23.66	23.81	23.76	25.5
20	PI/2 BPSK	50	56	23.22	23.38	23.24	25.0
20	PI/2 BPSK	100	0	23.17	23.31	23.27	
20	QPSK	1	1	23.61	23.76	23.79	25.5
20	QPSK	1	53	23.62	23.76	23.71	
20	QPSK	1	104	23.60	23.76	23.73	
20	QPSK	50	0	22.64	22.83	22.82	24.5
20	QPSK	50	28	23.72	23.82	23.77	25.5
20	QPSK	50	56	22.72	22.77	22.76	24.5
20	QPSK	100	0	22.73	22.88	22.82	
20	16QAM	1	1	22.45	22.53	22.54	24.5
20	64QAM	1	1	21.36	21.43	21.30	23.0
20	256QAM	1	1	19.31	19.50	19.58	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.72	23.78	23.81	25.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.71	23.81	25.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.73	23.72	23.79	25.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.85	23.87	23.84	
20	PI/2 BPSK	1	53	23.76	23.83	23.75	25.5
20	PI/2 BPSK	1	104	23.76	23.86	23.70	
20	PI/2 BPSK	50	0	23.29	23.33	23.31	
20	PI/2 BPSK	50	28	23.72	23.78	23.73	25.5
20	PI/2 BPSK	50	56	23.28	23.23	23.15	25.0
20	PI/2 BPSK	100	0	23.26	23.26	23.27	
20	QPSK	1	1	23.71	23.70	23.76	
20	QPSK	1	53	23.69	23.74	23.70	25.5
20	QPSK	1	104	23.69	23.77	23.63	
20	QPSK	50	0	22.75	22.82	22.81	
20	QPSK	50	28	23.77	23.78	23.76	25.5
20	QPSK	50	56	22.80	22.76	22.69	24.5
20	QPSK	100	0	22.79	22.84	22.77	
20	16QAM	1	1	22.54	22.48	22.48	
20	64QAM	1	1	21.34	21.28	21.23	23.0
20	256QAM	1	1	19.52	19.48	19.58	21.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.77	23.80	23.83	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.81	23.77	23.83	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.79	23.85	23.82	

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.77	23.72	23.86	24.7
20	PI/2 BPSK	1	53	23.78	23.87	23.87	
20	PI/2 BPSK	1	104	23.86	23.93	23.88	
20	PI/2 BPSK	50	0	23.76	23.74	23.81	24.7
20	PI/2 BPSK	50	28	23.78	23.84	23.85	24.7
20	PI/2 BPSK	50	56	23.79	23.89	23.86	24.7
20	PI/2 BPSK	100	0	23.75	23.84	23.81	
20	QPSK	1	1	23.85	23.82	23.89	24.7
20	QPSK	1	53	23.81	23.91	23.86	
20	QPSK	1	104	23.83	23.92	23.81	
20	QPSK	50	0	23.80	23.79	23.85	24.7
20	QPSK	50	28	23.80	23.90	23.85	24.7
20	QPSK	50	56	23.74	23.87	23.86	24.7
20	QPSK	100	0	23.76	23.91	23.84	
20	16QAM	1	1	23.73	23.69	23.80	24.7
20	64QAM	1	1	22.61	22.58	22.71	23.2
20	256QAM	1	1	20.55	20.56	20.62	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.72	23.63	23.77	24.7
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.77	23.66	23.83	24.7
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.72	23.72	23.81	24.7

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.29	24.24	24.17	
20	PI/2 BPSK	1	53	24.13	24.15	24.06	25.0
20	PI/2 BPSK	1	104	23.96	23.37	23.10	
20	PI/2 BPSK	50	0	23.70	23.63	23.60	
20	PI/2 BPSK	50	28	24.12	24.09	24.06	24.5
20	PI/2 BPSK	50	56	23.57	23.51	23.48	
20	PI/2 BPSK	100	0	23.66	23.56	23.52	
20	QPSK	1	1	24.28	24.21	24.16	25.0
20	QPSK	1	53	24.13	24.10	24.04	
20	QPSK	1	104	23.99	23.91	23.40	
20	QPSK	50	0	23.19	23.20	23.11	24.0
20	QPSK	50	28	24.15	24.12	24.09	
20	QPSK	50	56	23.07	23.04	22.97	
20	QPSK	100	0	23.17	23.14	23.11	24.0
20	16QAM	1	1	22.92	22.83	22.78	
20	64QAM	1	1	21.88	21.80	21.75	
20	256QAM	1	1	19.97	19.88	19.77	20.5
Channel				166300	167300	168300	25.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.25	24.24	24.16	
Channel				165800	167300	168800	25.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.26	24.08	24.18	
Channel				165300	167300	169300	25.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.22	24.04	24.10	

n12_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.91	23.91	23.87	24.7
15	PI/2 BPSK	1	40	23.77	23.72	23.71	
15	PI/2 BPSK	1	77	23.65	23.64	23.62	
15	PI/2 BPSK	36	0	23.25	23.29	23.26	24.2
15	PI/2 BPSK	36	22	23.70	23.67	23.62	24.7
15	PI/2 BPSK	36	43	23.16	23.08	23.10	24.2
15	PI/2 BPSK	75	0	23.22	23.23	23.19	
15	QPSK	1	1	23.78	23.86	23.72	24.7
15	QPSK	1	40	23.71	23.71	23.70	
15	QPSK	1	77	23.61	23.56	23.56	
15	QPSK	36	0	22.77	22.79	22.72	23.7
15	QPSK	36	22	23.65	23.65	23.60	24.7
15	QPSK	36	43	22.72	22.67	22.65	23.7
15	QPSK	75	0	22.72	22.67	22.70	
15	16QAM	1	1	22.52	22.46	22.44	23.7
15	64QAM	1	1	21.32	21.23	21.22	22.2
15	256QAM	1	1	19.66	19.62	19.61	20.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.81	23.65	23.77	24.7
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.72	23.65	23.81	24.7

n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.45	24.40	24.41	25.7
20	PI/2 BPSK	1	53	24.53	24.44	24.43	
20	PI/2 BPSK	1	104	24.39	24.36	24.23	
20	PI/2 BPSK	50	0	24.32	24.14	24.11	25.2
20	PI/2 BPSK	50	28	24.28	24.44	24.28	25.7
20	PI/2 BPSK	50	56	24.19	24.07	23.91	25.2
20	PI/2 BPSK	100	0	24.17	24.17	23.98	
20	QPSK	1	1	24.52	24.43	24.45	25.7
20	QPSK	1	53	24.37	24.36	24.19	
20	QPSK	1	104	24.33	24.28	24.02	
20	QPSK	50	0	23.95	23.76	23.85	24.7
20	QPSK	50	28	24.52	24.41	24.31	25.7
20	QPSK	50	56	23.84	23.76	23.63	24.7
20	QPSK	100	0	23.85	23.83	23.77	
20	16QAM	1	1	23.41	23.38	23.53	24.7
20	64QAM	1	1	22.46	22.24	22.23	23.2
20	256QAM	1	1	20.79	20.58	20.53	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.39	24.43	24.29	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.31	24.42	24.36	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.43	24.43	24.26	25.7

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.56	23.76	23.77	24.7
20	PI/2 BPSK	1	53	23.63	23.81	23.77	
20	PI/2 BPSK	1	104	23.66	23.83	23.78	
20	PI/2 BPSK	50	0	23.52	23.69	23.73	24.7
20	PI/2 BPSK	50	28	23.64	23.76	23.75	24.7
20	PI/2 BPSK	50	56	23.65	23.77	23.76	24.7
20	PI/2 BPSK	100	0	23.58	23.76	23.74	
20	QPSK	1	1	23.59	23.72	23.76	24.7
20	QPSK	1	53	23.60	23.78	23.78	
20	QPSK	1	104	23.61	23.80	23.73	
20	QPSK	50	0	23.55	23.71	23.77	24.7
20	QPSK	50	28	23.63	23.77	23.76	24.7
20	QPSK	50	56	23.64	23.77	23.69	24.7
20	QPSK	100	0	23.64	23.82	23.76	
20	16QAM	1	1	23.51	23.63	23.75	24.7
20	64QAM	1	1	22.39	22.60	22.64	23.2
20	256QAM	1	1	20.36	20.52	20.56	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.54	23.74	23.74	24.7
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.56	23.71	23.70	24.7
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.50	23.66	23.67	24.7

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.77	23.84	23.80	
20	PI/2 BPSK	1	53	23.76	23.77	23.72	24.3
20	PI/2 BPSK	1	104	23.71	23.83	23.70	
20	PI/2 BPSK	50	0	23.75	23.83	23.74	
20	PI/2 BPSK	50	28	23.74	23.78	23.70	24.3
20	PI/2 BPSK	50	56	23.66	23.72	23.62	24.3
20	PI/2 BPSK	100	0	23.72	23.74	23.71	
20	QPSK	1	1	23.74	23.80	23.81	
20	QPSK	1	53	23.75	23.83	23.76	24.3
20	QPSK	1	104	23.74	23.72	23.65	
20	QPSK	50	0	23.73	23.80	23.76	
20	QPSK	50	28	23.73	23.79	23.74	24.3
20	QPSK	50	56	23.70	23.73	23.67	24.3
20	QPSK	100	0	23.74	23.78	23.74	
20	16QAM	1	1	23.73	23.72	23.80	24.3
20	64QAM	1	1	22.66	22.59	22.67	23.2
20	256QAM	1	1	20.53	20.53	20.60	21.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.72	23.74	23.74	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.68	23.79	23.70	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.75	23.75	23.75	

n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.89	23.89	23.95	25.5
20	PI/2 BPSK	1	53	23.87	23.96	23.92	
20	PI/2 BPSK	1	104	23.93	23.99	23.91	
20	PI/2 BPSK	50	0	23.37	23.32	23.41	25.0
20	PI/2 BPSK	50	28	23.86	23.93	23.91	25.5
20	PI/2 BPSK	50	56	23.34	23.40	23.41	25.0
20	PI/2 BPSK	100	0	23.34	23.44	23.40	
20	QPSK	1	1	23.75	23.86	23.87	25.5
20	QPSK	1	53	23.72	23.93	23.85	
20	QPSK	1	104	23.76	23.92	23.80	
20	QPSK	50	0	22.79	22.83	22.93	24.5
20	QPSK	50	28	23.83	23.97	23.94	25.5
20	QPSK	50	56	22.88	22.98	22.90	24.5
20	QPSK	100	0	22.93	22.99	22.90	
20	16QAM	1	1	22.61	22.60	22.65	24.5
20	64QAM	1	1	21.48	21.44	21.43	23.0
20	256QAM	1	1	19.44	19.62	19.67	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.82	23.85	23.90	25.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.86	23.80	23.87	25.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.85	23.83	23.92	25.5

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.54	23.51	23.44	
20	PI/2 BPSK	1	53	23.40	23.37	23.30	25.0
20	PI/2 BPSK	1	104	22.83	22.16	22.00	
20	PI/2 BPSK	50	0	22.92	22.88	22.79	
20	PI/2 BPSK	50	28	23.39	23.30	23.23	24.5
20	PI/2 BPSK	50	56	22.77	22.71	22.67	
20	PI/2 BPSK	100	0	22.85	22.77	22.77	
20	QPSK	1	1	23.42	23.44	23.38	25.0
20	QPSK	1	53	23.33	23.29	23.22	
20	QPSK	1	104	22.84	22.15	21.99	
20	QPSK	50	0	22.40	22.36	22.32	24.0
20	QPSK	50	28	23.38	23.30	23.26	
20	QPSK	50	56	22.30	22.23	22.14	
20	QPSK	100	0	22.38	22.34	22.29	24.0
20	16QAM	1	1	22.58	22.54	22.47	
20	64QAM	1	1	20.98	20.93	20.85	
20	256QAM	1	1	19.14	19.08	18.94	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.44	23.49	23.36	
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.53	23.49	23.34	
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.49	23.43	23.34	

n12_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	23.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.11	22.16	22.09	23.0
15	PI/2 BPSK	1	40	22.07	22.02	22.00	
15	PI/2 BPSK	1	77	21.91	21.90	21.85	
15	PI/2 BPSK	36	0	21.98	22.07	21.92	23.0
15	PI/2 BPSK	36	22	21.99	21.92	21.94	23.0
15	PI/2 BPSK	36	43	21.91	21.93	21.89	23.0
15	PI/2 BPSK	75	0	22.00	21.97	21.97	
15	QPSK	1	1	22.10	22.11	22.08	23.0
15	QPSK	1	40	21.94	22.05	22.06	
15	QPSK	1	77	21.96	21.90	21.92	
15	QPSK	36	0	21.98	22.01	21.96	23.0
15	QPSK	36	22	22.00	21.99	21.97	23.0
15	QPSK	36	43	21.94	21.88	21.90	23.0
15	QPSK	75	0	22.04	22.03	21.97	
15	16QAM	1	1	22.03	22.02	22.01	23.0
15	64QAM	1	1	21.21	21.24	21.18	22.5
	256QAM	1	1	19.54	19.52	19.48	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	22.09	22.13	22.08	23.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	22.02	22.06	22.05	23.0

n71_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.48	23.43	23.41	
20	PI/2 BPSK	1	53	23.43	23.36	23.28	25.0
20	PI/2 BPSK	1	104	23.29	23.23	23.00	
20	PI/2 BPSK	50	0	22.89	22.80	22.71	
20	PI/2 BPSK	50	28	23.38	23.30	23.14	24.5
20	PI/2 BPSK	50	56	22.84	22.65	22.52	
20	PI/2 BPSK	100	0	22.89	22.79	22.63	
20	QPSK	1	1	23.34	23.34	23.37	25.0
20	QPSK	1	53	23.21	23.29	23.13	
20	QPSK	1	104	23.24	23.15	22.86	
20	QPSK	50	0	22.64	22.47	22.49	24.0
20	QPSK	50	28	23.40	23.28	23.17	
20	QPSK	50	56	22.49	22.42	22.22	
20	QPSK	100	0	22.57	22.48	22.42	24.0
20	16QAM	1	1	22.47	22.62	22.57	
20	64QAM	1	1	21.19	21.03	20.91	
20	256QAM	1	1	19.27	19.05	19.02	20.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.45	23.38	23.34	
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.38	23.35	23.41	
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.40	23.37	23.35	

n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.74	23.78	23.82	25.5
20	PI/2 BPSK	1	53	23.70	23.83	23.77	
20	PI/2 BPSK	1	104	23.82	23.83	23.79	
20	PI/2 BPSK	50	0	23.22	23.32	23.29	25.0
20	PI/2 BPSK	50	28	23.66	23.81	23.76	25.5
20	PI/2 BPSK	50	56	23.22	23.38	23.24	25.0
20	PI/2 BPSK	100	0	23.17	23.31	23.27	
20	QPSK	1	1	23.61	23.76	23.79	25.5
20	QPSK	1	53	23.62	23.76	23.71	
20	QPSK	1	104	23.60	23.76	23.73	
20	QPSK	50	0	22.64	22.83	22.82	24.5
20	QPSK	50	28	23.72	23.82	23.77	25.5
20	QPSK	50	56	22.72	22.77	22.76	24.5
20	QPSK	100	0	22.73	22.88	22.82	
20	16QAM	1	1	22.45	22.53	22.54	24.5
20	64QAM	1	1	21.36	21.43	21.30	23.0
20	256QAM	1	1	19.31	19.50	19.58	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.72	23.78	23.81	25.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.71	23.81	25.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.73	23.72	23.79	25.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.85	23.87	23.84	
20	PI/2 BPSK	1	53	23.76	23.83	23.75	25.5
20	PI/2 BPSK	1	104	23.76	23.86	23.70	
20	PI/2 BPSK	50	0	23.29	23.33	23.31	
20	PI/2 BPSK	50	28	23.72	23.78	23.73	25.5
20	PI/2 BPSK	50	56	23.28	23.23	23.15	25.0
20	PI/2 BPSK	100	0	23.26	23.26	23.27	
20	QPSK	1	1	23.71	23.70	23.76	
20	QPSK	1	53	23.69	23.74	23.70	25.5
20	QPSK	1	104	23.69	23.77	23.63	
20	QPSK	50	0	22.75	22.82	22.81	
20	QPSK	50	28	23.77	23.78	23.76	25.5
20	QPSK	50	56	22.80	22.76	22.69	24.5
20	QPSK	100	0	22.79	22.84	22.77	
20	16QAM	1	1	22.54	22.48	22.48	
20	64QAM	1	1	21.34	21.28	21.23	23.0
20	256QAM	1	1	19.52	19.48	19.58	21.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.77	23.80	23.83	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.81	23.77	23.83	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.79	23.85	23.82	

n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.64	24.69	24.59	25.7
100	PI/2 BPSK	1	137	24.76	24.70	24.66	
100	PI/2 BPSK	1	271	24.67	24.61	24.56	
100	PI/2 BPSK	135	0	24.15	24.16	24.00	25.2
100	PI/2 BPSK	135	69	24.65	24.63	24.58	25.7
100	PI/2 BPSK	135	138	24.25	24.10	24.02	25.2
100	PI/2 BPSK	270	0	24.20	24.12	24.09	
100	QPSK	1	1	24.72	24.63	24.64	25.7
100	QPSK	1	137	24.76	24.56	24.64	
100	QPSK	1	271	24.67	24.59	24.57	
100	QPSK	135	0	23.67	23.66	23.49	25.7
100	QPSK	135	69	24.63	24.54	24.57	
100	QPSK	135	138	23.65	23.51	23.55	
100	QPSK	270	0	23.69	23.62	23.55	24.7
100	16QAM	1	1	23.79	23.88	23.74	24.7
100	64QAM	1	1	22.29	22.36	22.28	23.2
100	256QAM	1	1	20.38	20.39	20.28	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.60	24.53	24.49	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.64	24.61	24.59	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.59	24.60	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.60	24.64	24.52	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.60	24.61	24.55	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.54	24.51	24.55	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.39	24.51	24.44	25.7

n41_HPUE PC2_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)
Channel				509202	518598	528000	27.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.07	26.76	25.88	
100	PI/2 BPSK	1	137	26.03	26.04	25.78	27.0
100	PI/2 BPSK	1	271	26.50	26.59	26.58	
100	PI/2 BPSK	135	0	26.08	26.10	26.08	
100	PI/2 BPSK	135	69	26.15	26.34	26.20	27.0
100	PI/2 BPSK	135	138	26.33	26.33	23.30	
100	PI/2 BPSK	270	0	26.27	26.33	26.26	
100	QPSK	1	1	26.65	26.75	26.66	27.5
100	QPSK	1	137	26.18	26.24	26.18	
100	QPSK	1	271	26.53	26.61	26.60	
100	QPSK	135	0	25.91	25.92	25.86	26.5
100	QPSK	135	69	26.12	26.12	26.04	
100	QPSK	135	138	25.91	25.96	25.91	
100	QPSK	270	0	25.84	25.92	25.84	26.5
100	16QAM	1	1	26.15	26.19	26.19	
100	64QAM	1	1	24.66	24.66	24.64	
100	256QAM	1	1	22.56	22.66	22.59	23.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.63	26.66	25.49	
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.71	26.71	25.55	
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.72	26.76	25.60	
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.05	26.74	25.82	
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.75	26.73	25.59	
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.99	26.68	25.85	
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.77	26.67	25.57	

n41 PC3_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.77	25.03	23.51	25.7
100	PI/2 BPSK	1	137	25.17	24.13	25.19	
100	PI/2 BPSK	1	271	23.71	24.34	22.70	
100	PI/2 BPSK	135	0	24.09	24.66	24.02	25.2
100	PI/2 BPSK	135	69	25.01	24.67	24.99	25.7
100	PI/2 BPSK	135	138	24.10	23.86	24.04	25.2
100	PI/2 BPSK	270	0	24.14	24.48	24.22	
100	QPSK	1	1	23.70	25.02	23.52	25.7
100	QPSK	1	137	25.01	24.10	25.15	
100	QPSK	1	271	23.73	24.26	23.70	
100	QPSK	135	0	23.59	24.20	23.44	24.7
100	QPSK	135	69	25.02	24.76	24.90	25.7
100	QPSK	135	138	23.57	23.51	24.00	24.7
100	QPSK	270	0	23.89	24.11	24.13	
100	16QAM	1	1	22.77	23.91	22.71	24.7
100	64QAM	1	1	21.23	22.21	21.20	23.2
100	256QAM	1	1	19.32	20.58	19.21	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.87	24.99	24.88	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.84	25.01	24.94	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.74	24.77	24.70	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.74	24.78	24.73	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.03	24.01	24.07	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.03	24.00	23.99	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.11	24.16	24.10	25.7

n77_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.50	24.23	24.30	25.7
100	PI/2 BPSK	1	137	24.57	24.32	24.52	
100	PI/2 BPSK	1	271	24.57	24.47	24.58	
100	PI/2 BPSK	135	0	23.97	23.74	23.90	25.2
100	PI/2 BPSK	135	69	24.52	24.25	24.37	25.7
100	PI/2 BPSK	135	138	24.00	23.82	24.00	25.2
100	PI/2 BPSK	270	0	23.99	23.82	23.92	
100	QPSK	1	1	24.40	24.32	24.42	25.7
100	QPSK	1	137	24.45	24.27	24.43	
100	QPSK	1	271	24.52	24.41	24.52	
100	QPSK	135	0	23.49	23.23	23.38	24.7
100	QPSK	135	69	24.50	24.31	24.44	25.7
100	QPSK	135	138	23.53	23.28	23.38	24.7
100	QPSK	270	0	23.48	23.26	23.36	
100	16QAM	1	1	23.65	23.39	23.58	24.7
100	64QAM	1	1	22.05	21.95	22.14	23.2
100	256QAM	1	1	20.01	19.82	20.01	21.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.46	24.22	24.26	25.7
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.49	24.20	24.26	25.7

n77_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.24	25.10	25.03	26.5
100	PI/2 BPSK	1	137	25.34	25.16	25.08	
100	PI/2 BPSK	1	271	25.47	25.26	25.21	
100	PI/2 BPSK	135	0	24.74	24.58	24.48	26.0
100	PI/2 BPSK	135	69	25.30	25.11	25.03	26.5
100	PI/2 BPSK	135	138	24.80	24.64	24.60	26.0
100	PI/2 BPSK	270	0	24.76	24.56	24.51	
100	QPSK	1	1	25.29	25.08	25.00	26.5
100	QPSK	1	137	25.38	25.14	25.10	
100	QPSK	1	271	25.45	25.22	25.19	
100	QPSK	135	0	24.69	24.52	24.50	25.5
100	QPSK	135	69	25.25	25.05	24.98	26.5
100	QPSK	135	138	24.41	24.20	24.18	25.5
100	QPSK	270	0	24.27	24.08	24.04	
100	16QAM	1	1	24.49	24.29	24.27	25.5
100	64QAM	1	1	22.95	22.70	22.63	24.0
100	256QAM	1	1	20.84	20.65	20.55	22.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.22	25.08	25.01	26.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	25.23	25.07	25.02	26.5

n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.98		25.0
100	PI/2 BPSK	1	137		23.98		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		23.42		24.5
100	PI/2 BPSK	135	69		23.92		25.0
100	PI/2 BPSK	135	138		23.42		24.5
100	PI/2 BPSK	270	0		23.46		
100	QPSK	1	1		23.91		25.0
100	QPSK	1	137		23.91		
100	QPSK	1	271		23.95		
100	QPSK	135	0		22.84		24.0
100	QPSK	135	69		23.93		25.0
100	QPSK	135	138		22.92		24.0
100	QPSK	270	0		22.91		
100	16QAM	1	1		22.64		24.0
100	64QAM	1	1		21.23		22.5
100	256QAM	1	1		19.55		20.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.90	23.92	23.77	25.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.93	23.96	23.70	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.92	23.91	23.83	25.0
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.86	23.79	23.82	25.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.86	23.90	23.81	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.88	23.89	23.67	25.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.87	23.95	23.89	25.0

n78_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		25.42		26.5
100	PI/2 BPSK	1	137		25.45		
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.90		26.0
100	PI/2 BPSK	135	69		25.42		26.5
100	PI/2 BPSK	135	138		24.93		26.0
100	PI/2 BPSK	270	0		24.92		
100	QPSK	1	1		25.44		26.5
100	QPSK	1	137		25.37		
100	QPSK	1	271		25.43		
100	QPSK	135	0		24.35		25.5
100	QPSK	135	69		25.35		26.5
100	QPSK	135	138		24.45		25.5
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.19		25.5
100	64QAM	1	1		22.95		24.0
100	256QAM	1	1		21.18		22.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	25.38	25.40	25.36	26.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	25.44	25.38	25.41	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.37	25.43	25.41	26.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	25.42	25.39	25.26	26.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	25.43	25.44	25.47	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.33	25.38	25.36	26.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	25.32	25.32	25.46	26.5

n41_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.76	24.70	24.68	
100	PI/2 BPSK	1	137	24.71	24.68	24.68	25.0
100	PI/2 BPSK	1	271	24.64	24.80	24.78	
100	PI/2 BPSK	135	0	24.74	24.58	24.55	
100	PI/2 BPSK	135	69	24.71	24.60	24.54	25.0
100	PI/2 BPSK	135	138	24.63	24.60	24.55	
100	PI/2 BPSK	270	0	24.70	24.64	24.61	
100	QPSK	1	1	24.76	24.67	24.58	25.5
100	QPSK	1	137	24.71	24.66	24.57	
100	QPSK	1	271	24.64	24.67	24.59	
100	QPSK	135	0	24.76	24.59	24.58	25.5
100	QPSK	135	69	24.70	24.55	24.50	
100	QPSK	135	138	24.64	24.57	24.57	
100	QPSK	270	0	24.71	24.66	24.60	25.5
100	16QAM	1	1	24.65	24.59	24.58	
100	64QAM	1	1	24.48	24.49	24.45	
100	256QAM	1	1	22.36	22.33	22.23	22.5
Channel				508200	518598	528996	25.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.66	24.61	24.46	
Channel				507204	518598	529998	25.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.66	24.61	24.53	
Channel				505200	518598	531996	25.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.72	24.69	24.60	
Channel				504204	518598	532998	25.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.63	24.60	24.44	
Channel				503202	518598	534000	25.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.68	24.69	24.61	
Channel				502200	518598	534996	25.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.54	24.36	
Channel				501204	518598	535998	25.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.69	24.60	24.63	

n77_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.84	23.76	23.53	25.5
100	PI/2 BPSK	1	137	23.94	23.65	23.60	
100	PI/2 BPSK	1	271	23.91	23.72	23.50	
100	PI/2 BPSK	135	0	23.30	23.09	23.00	25.0
100	PI/2 BPSK	135	69	23.85	23.55	23.56	25.5
100	PI/2 BPSK	135	138	23.38	23.16	23.01	25.0
100	PI/2 BPSK	270	0	23.37	23.07	23.04	
100	QPSK	1	1	23.79	23.57	23.36	25.5
100	QPSK	1	137	23.89	23.56	23.32	
100	QPSK	1	271	23.88	23.68	23.49	
100	QPSK	135	0	23.28	22.59	22.36	24.5
100	QPSK	135	69	23.83	23.55	23.49	25.5
100	QPSK	135	138	23.35	22.62	22.51	24.5
100	QPSK	270	0	23.35	22.64	22.56	
100	16QAM	1	1	22.54	22.91	22.72	24.5
100	64QAM	1	1	21.32	21.25	21.06	23.0
100	256QAM	1	1	19.55	19.18	18.99	21.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.13	24.02	23.80	25.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.12	24.03	23.83	25.5

n77_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.72	24.64	24.43	26.0
100	PI/2 BPSK	1	137	24.80	24.53	24.49	
100	PI/2 BPSK	1	271	24.84	24.59	24.40	
100	PI/2 BPSK	135	0	24.23	24.03	23.92	25.5
100	PI/2 BPSK	135	69	24.77	24.48	24.30	26.0
100	PI/2 BPSK	135	138	24.28	24.07	24.05	25.5
100	PI/2 BPSK	270	0	24.23	23.97	23.93	
100	QPSK	1	1	24.67	24.47	24.30	26.0
100	QPSK	1	137	24.75	24.51	24.37	
100	QPSK	1	271	24.77	24.56	24.40	
100	QPSK	135	0	23.75	23.48	23.46	25.0
100	QPSK	135	69	24.74	24.50	24.43	26.0
100	QPSK	135	138	23.79	23.51	23.36	25.0
100	QPSK	270	0	23.79	23.45	23.38	
100	16QAM	1	1	23.89	23.70	23.67	25.0
100	64QAM	1	1	22.32	22.16	22.03	23.5
100	256QAM	1	1	20.27	20.06	19.90	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.72	24.63	24.42	26.0
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.70	24.60	24.41	26.0

n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.54		25.5
100	PI/2 BPSK	1	137		23.50		
100	PI/2 BPSK	1	271		23.51		
100	PI/2 BPSK	135	0		23.07		25.0
100	PI/2 BPSK	135	69		23.50		25.5
100	PI/2 BPSK	135	138		23.14		25.0
100	PI/2 BPSK	270	0		23.08		
100	QPSK	1	1		23.50		25.5
100	QPSK	1	137		23.51		
100	QPSK	1	271		23.50		
100	QPSK	135	0		22.56		24.5
100	QPSK	135	69		23.54		25.5
100	QPSK	135	138		22.62		24.5
100	QPSK	270	0		22.56		
100	16QAM	1	1		22.39		24.5
100	64QAM	1	1		21.13		23.0
100	256QAM	1	1		19.34		21.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.42	23.50	23.49	25.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.59	23.63	23.57	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.63	23.60	23.57	25.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.62	23.62	23.63	25.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.55	23.63	23.59	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.44	23.59	23.50	25.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.53	23.50	23.49	25.5

n78_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	26.0
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		24.91		
100	PI/2 BPSK	1	137		24.90		26.0
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.37		
100	PI/2 BPSK	135	69		24.87		25.5
100	PI/2 BPSK	135	138		24.40		
100	PI/2 BPSK	270	0		24.40		
100	QPSK	1	1		24.93		26.0
100	QPSK	1	137		24.90		
100	QPSK	1	271		24.89		
100	QPSK	135	0		23.89		25.0
100	QPSK	135	69		24.87		
100	QPSK	135	138		23.93		
100	QPSK	270	0		23.86		26.0
100	16QAM	1	1		23.64		
100	64QAM	1	1		22.47		
100	256QAM	1	1		20.68		21.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	24.90	24.91	24.89	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	24.88	24.88	24.90	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.86	24.86	24.82	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	24.90	24.90	24.86	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	24.81	24.90	24.85	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.86	24.86	24.79	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	24.83	24.91	24.87	

n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.64	24.69	24.59	25.7
100	PI/2 BPSK	1	137	24.76	24.70	24.66	
100	PI/2 BPSK	1	271	24.67	24.61	24.56	
100	PI/2 BPSK	135	0	24.15	24.16	24.00	25.2
100	PI/2 BPSK	135	69	24.65	24.63	24.58	25.7
100	PI/2 BPSK	135	138	24.25	24.10	24.02	25.2
100	PI/2 BPSK	270	0	24.20	24.12	24.09	
100	QPSK	1	1	24.72	24.63	24.64	25.7
100	QPSK	1	137	24.76	24.56	24.64	
100	QPSK	1	271	24.67	24.59	24.57	
100	QPSK	135	0	23.67	23.66	23.49	25.7
100	QPSK	135	69	24.63	24.54	24.57	
100	QPSK	135	138	23.65	23.51	23.55	
100	QPSK	270	0	23.69	23.62	23.55	24.7
100	16QAM	1	1	23.79	23.88	23.74	24.7
100	64QAM	1	1	22.29	22.36	22.28	23.2
100	256QAM	1	1	20.38	20.39	20.28	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.60	24.53	24.49	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.64	24.61	24.59	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.59	24.60	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.60	24.64	24.52	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.60	24.61	24.55	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.54	24.51	24.55	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.39	24.51	24.44	25.7

n41_HPUE PC2_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)
Channel				509202	518598	528000	27.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.07	26.76	25.88	
100	PI/2 BPSK	1	137	26.03	26.04	25.78	27.5
100	PI/2 BPSK	1	271	26.50	26.59	26.58	
100	PI/2 BPSK	135	0	26.08	26.10	26.08	
100	PI/2 BPSK	135	69	26.15	26.34	26.20	27.5
100	PI/2 BPSK	135	138	26.33	26.33	23.30	
100	PI/2 BPSK	270	0	26.27	26.33	26.26	
100	QPSK	1	1	26.65	26.75	26.66	27.5
100	QPSK	1	137	26.18	26.24	26.18	
100	QPSK	1	271	26.53	26.61	26.60	
100	QPSK	135	0	25.91	25.92	25.86	26.5
100	QPSK	135	69	26.12	26.12	26.04	
100	QPSK	135	138	25.91	25.96	25.91	
100	QPSK	270	0	25.84	25.92	25.84	26.5
100	16QAM	1	1	26.15	26.19	26.19	
100	64QAM	1	1	24.66	24.66	24.64	
100	256QAM	1	1	22.56	22.66	22.59	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.63	26.66	25.49	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.71	26.71	25.55	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.72	26.76	25.60	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.05	26.74	25.82	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.75	26.73	25.59	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.99	26.68	25.85	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.77	26.67	25.57	

n41 PC3_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.77	25.03	23.51	25.7
100	PI/2 BPSK	1	137	25.17	24.13	25.19	
100	PI/2 BPSK	1	271	23.71	24.34	22.70	
100	PI/2 BPSK	135	0	24.09	24.66	24.02	25.2
100	PI/2 BPSK	135	69	25.01	24.67	24.99	25.7
100	PI/2 BPSK	135	138	24.10	23.86	24.04	25.2
100	PI/2 BPSK	270	0	24.14	24.48	24.22	
100	QPSK	1	1	23.70	25.02	23.52	25.7
100	QPSK	1	137	25.01	24.10	25.15	
100	QPSK	1	271	23.73	24.26	23.70	
100	QPSK	135	0	23.59	24.20	23.44	24.7
100	QPSK	135	69	25.02	24.76	24.90	25.7
100	QPSK	135	138	23.57	23.51	24.00	24.7
100	QPSK	270	0	23.89	24.11	24.13	
100	16QAM	1	1	22.77	23.91	22.71	24.7
100	64QAM	1	1	21.23	22.21	21.20	23.2
100	256QAM	1	1	19.32	20.58	19.21	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.87	24.99	24.88	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.84	25.01	24.94	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.74	24.77	24.70	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.74	24.78	24.73	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.03	24.01	24.07	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.03	24.00	23.99	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.11	24.16	24.10	25.7

n77_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.50	24.23	24.30	
100	PI/2 BPSK	1	137	24.57	24.32	24.52	25.2
100	PI/2 BPSK	1	271	24.57	24.47	24.58	
100	PI/2 BPSK	135	0	23.97	23.74	23.90	
100	PI/2 BPSK	135	69	24.52	24.25	24.37	25.2
100	PI/2 BPSK	135	138	24.00	23.82	24.00	
100	PI/2 BPSK	270	0	23.99	23.82	23.92	
100	QPSK	1	1	24.40	24.32	24.42	25.7
100	QPSK	1	137	24.45	24.27	24.43	
100	QPSK	1	271	24.52	24.41	24.52	
100	QPSK	135	0	23.49	23.23	23.38	24.7
100	QPSK	135	69	24.50	24.31	24.44	
100	QPSK	135	138	23.53	23.28	23.38	
100	QPSK	270	0	23.48	23.26	23.36	23.2
100	16QAM	1	1	23.65	23.39	23.58	
100	64QAM	1	1	22.05	21.95	22.14	
100	256QAM	1	1	20.01	19.82	20.01	21.2
Channel				648000	656000	664000	25.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.46	24.22	24.26	
Channel				647334	656000	664668	25.7
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.49	24.20	24.26	

n77_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.24	25.10	25.03	26.5
100	PI/2 BPSK	1	137	25.34	25.16	25.08	
100	PI/2 BPSK	1	271	25.47	25.26	25.21	
100	PI/2 BPSK	135	0	24.74	24.58	24.48	26.0
100	PI/2 BPSK	135	69	25.30	25.11	25.03	26.5
100	PI/2 BPSK	135	138	24.80	24.64	24.60	26.0
100	PI/2 BPSK	270	0	24.76	24.56	24.51	
100	QPSK	1	1	25.29	25.08	25.00	26.5
100	QPSK	1	137	25.38	25.14	25.10	
100	QPSK	1	271	25.45	25.22	25.19	
100	QPSK	135	0	24.69	24.52	24.50	25.5
100	QPSK	135	69	25.25	25.05	24.98	26.5
100	QPSK	135	138	24.41	24.20	24.18	25.5
100	QPSK	270	0	24.27	24.08	24.04	
100	16QAM	1	1	24.49	24.29	24.27	25.5
100	64QAM	1	1	22.95	22.70	22.63	24.0
100	256QAM	1	1	20.84	20.65	20.55	22.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.22	25.08	25.01	26.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	25.23	25.07	25.02	26.5

n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.98		25.0
100	PI/2 BPSK	1	137		23.98		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		23.42		24.5
100	PI/2 BPSK	135	69		23.92		25.0
100	PI/2 BPSK	135	138		23.42		24.5
100	PI/2 BPSK	270	0		23.46		
100	QPSK	1	1		23.91		25.0
100	QPSK	1	137		23.91		
100	QPSK	1	271		23.95		
100	QPSK	135	0		22.84		24.0
100	QPSK	135	69		23.93		25.0
100	QPSK	135	138		22.92		24.0
100	QPSK	270	0		22.91		
100	16QAM	1	1		22.64		24.0
100	64QAM	1	1		21.23		22.5
100	256QAM	1	1		19.55		20.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.90	23.92	23.77	25.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.93	23.96	23.70	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.92	23.91	23.83	25.0
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.86	23.79	23.82	25.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.86	23.90	23.81	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.88	23.89	23.67	25.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.87	23.95	23.89	25.0

n78_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		25.42		26.5
100	PI/2 BPSK	1	137		25.45		
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.90		26.0
100	PI/2 BPSK	135	69		25.42		26.5
100	PI/2 BPSK	135	138		24.93		26.0
100	PI/2 BPSK	270	0		24.92		
100	QPSK	1	1		25.44		26.5
100	QPSK	1	137		25.37		
100	QPSK	1	271		25.43		
100	QPSK	135	0		24.35		25.5
100	QPSK	135	69		25.35		26.5
100	QPSK	135	138		24.45		25.5
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.19		25.5
100	64QAM	1	1		22.95		24.0
100	256QAM	1	1		21.18		22.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	25.38	25.40	25.36	26.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	25.44	25.38	25.41	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.37	25.43	25.41	26.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	25.42	25.39	25.26	26.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	25.43	25.44	25.47	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.33	25.38	25.36	26.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	25.32	25.32	25.46	26.5

n41_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.76	24.70	24.68	
100	PI/2 BPSK	1	137	24.71	24.68	24.68	25.0
100	PI/2 BPSK	1	271	24.64	24.80	24.78	
100	PI/2 BPSK	135	0	24.74	24.58	24.55	
100	PI/2 BPSK	135	69	24.71	24.60	24.54	25.0
100	PI/2 BPSK	135	138	24.63	24.60	24.55	
100	PI/2 BPSK	270	0	24.70	24.64	24.61	
100	QPSK	1	1	24.76	24.67	24.58	25.5
100	QPSK	1	137	24.71	24.66	24.57	
100	QPSK	1	271	24.64	24.67	24.59	
100	QPSK	135	0	24.76	24.59	24.58	25.5
100	QPSK	135	69	24.70	24.55	24.50	
100	QPSK	135	138	24.64	24.57	24.57	
100	QPSK	270	0	24.71	24.66	24.60	25.5
100	16QAM	1	1	24.65	24.59	24.58	
100	64QAM	1	1	24.48	24.49	24.45	
100	256QAM	1	1	22.36	22.33	22.23	22.5
Channel				508200	518598	528996	25.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.66	24.61	24.46	
Channel				507204	518598	529998	25.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.66	24.61	24.53	
Channel				505200	518598	531996	25.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.72	24.69	24.60	
Channel				504204	518598	532998	25.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.63	24.60	24.44	
Channel				503202	518598	534000	25.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.68	24.69	24.61	
Channel				502200	518598	534996	25.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.54	24.36	
Channel				501204	518598	535998	25.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.69	24.60	24.63	

n77_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.84	23.76	23.53	25.5
100	PI/2 BPSK	1	137	23.94	23.65	23.60	
100	PI/2 BPSK	1	271	23.91	23.72	23.50	
100	PI/2 BPSK	135	0	23.30	23.09	23.00	25.0
100	PI/2 BPSK	135	69	23.85	23.55	23.56	25.5
100	PI/2 BPSK	135	138	23.38	23.16	23.01	25.0
100	PI/2 BPSK	270	0	23.37	23.07	23.04	
100	QPSK	1	1	23.79	23.57	23.36	25.5
100	QPSK	1	137	23.89	23.56	23.32	
100	QPSK	1	271	23.88	23.68	23.49	
100	QPSK	135	0	23.28	22.59	22.36	24.5
100	QPSK	135	69	23.83	23.55	23.49	25.5
100	QPSK	135	138	23.35	22.62	22.51	24.5
100	QPSK	270	0	23.35	22.64	22.56	
100	16QAM	1	1	22.54	22.91	22.72	24.5
100	64QAM	1	1	21.32	21.25	21.06	23.0
100	256QAM	1	1	19.55	19.18	18.99	21.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.13	24.02	23.80	25.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.12	24.03	23.83	25.5

n77_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.72	24.64	24.43	26.0
100	PI/2 BPSK	1	137	24.80	24.53	24.49	
100	PI/2 BPSK	1	271	24.84	24.59	24.40	
100	PI/2 BPSK	135	0	24.23	24.03	23.92	25.5
100	PI/2 BPSK	135	69	24.77	24.48	24.30	26.0
100	PI/2 BPSK	135	138	24.28	24.07	24.05	25.5
100	PI/2 BPSK	270	0	24.23	23.97	23.93	
100	QPSK	1	1	24.67	24.47	24.30	26.0
100	QPSK	1	137	24.75	24.51	24.37	
100	QPSK	1	271	24.77	24.56	24.40	
100	QPSK	135	0	23.75	23.48	23.46	25.0
100	QPSK	135	69	24.74	24.50	24.43	26.0
100	QPSK	135	138	23.79	23.51	23.36	25.0
100	QPSK	270	0	23.79	23.45	23.38	
100	16QAM	1	1	23.89	23.70	23.67	25.0
100	64QAM	1	1	22.32	22.16	22.03	23.5
100	256QAM	1	1	20.27	20.06	19.90	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.72	24.63	24.42	26.0
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.70	24.60	24.41	26.0

n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.54		25.5
100	PI/2 BPSK	1	137		23.50		
100	PI/2 BPSK	1	271		23.51		
100	PI/2 BPSK	135	0		23.07		25.0
100	PI/2 BPSK	135	69		23.50		25.5
100	PI/2 BPSK	135	138		23.14		25.0
100	PI/2 BPSK	270	0		23.08		
100	QPSK	1	1		23.50		25.5
100	QPSK	1	137		23.51		
100	QPSK	1	271		23.50		
100	QPSK	135	0		22.56		24.5
100	QPSK	135	69		23.54		25.5
100	QPSK	135	138		22.62		24.5
100	QPSK	270	0		22.56		
100	16QAM	1	1		22.39		24.5
100	64QAM	1	1		21.13		23.0
100	256QAM	1	1		19.34		21.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.42	23.50	23.49	25.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.59	23.63	23.57	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.63	23.60	23.57	25.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.62	23.62	23.63	25.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.55	23.63	23.59	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.44	23.59	23.50	25.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.53	23.50	23.49	25.5

n78_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	26.0
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		24.91		
100	PI/2 BPSK	1	137		24.90		26.0
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.37		
100	PI/2 BPSK	135	69		24.87		25.5
100	PI/2 BPSK	135	138		24.40		
100	PI/2 BPSK	270	0		24.40		
100	QPSK	1	1		24.93		26.0
100	QPSK	1	137		24.90		
100	QPSK	1	271		24.89		
100	QPSK	135	0		23.89		25.0
100	QPSK	135	69		24.87		
100	QPSK	135	138		23.93		
100	QPSK	270	0		23.86		26.0
100	16QAM	1	1		23.64		
100	64QAM	1	1		22.47		
100	256QAM	1	1		20.68		21.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	24.90	24.91	24.89	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	24.88	24.88	24.90	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.86	24.86	24.82	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	24.90	24.90	24.86	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	24.81	24.90	24.85	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.86	24.86	24.79	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	24.83	24.91	24.87	

n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.64	24.69	24.59	25.7
100	PI/2 BPSK	1	137	24.76	24.70	24.66	
100	PI/2 BPSK	1	271	24.67	24.61	24.56	
100	PI/2 BPSK	135	0	24.15	24.16	24.00	25.2
100	PI/2 BPSK	135	69	24.65	24.63	24.58	25.7
100	PI/2 BPSK	135	138	24.25	24.10	24.02	25.2
100	PI/2 BPSK	270	0	24.20	24.12	24.09	
100	QPSK	1	1	24.72	24.63	24.64	25.7
100	QPSK	1	137	24.76	24.56	24.64	
100	QPSK	1	271	24.67	24.59	24.57	
100	QPSK	135	0	23.67	23.66	23.49	25.7
100	QPSK	135	69	24.63	24.54	24.57	
100	QPSK	135	138	23.65	23.51	23.55	
100	QPSK	270	0	23.69	23.62	23.55	24.7
100	16QAM	1	1	23.79	23.88	23.74	24.7
100	64QAM	1	1	22.29	22.36	22.28	23.2
100	256QAM	1	1	20.38	20.39	20.28	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.60	24.53	24.49	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.64	24.61	24.59	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.59	24.60	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.60	24.64	24.52	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.60	24.61	24.55	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.54	24.51	24.55	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.39	24.51	24.44	25.7

n41_HPUE PC2_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)
Channel				509202	518598	528000	27.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.07	26.76	25.88	
100	PI/2 BPSK	1	137	26.03	26.04	25.78	27.0
100	PI/2 BPSK	1	271	26.50	26.59	26.58	
100	PI/2 BPSK	135	0	26.08	26.10	26.08	
100	PI/2 BPSK	135	69	26.15	26.34	26.20	27.0
100	PI/2 BPSK	135	138	26.33	26.33	23.30	
100	PI/2 BPSK	270	0	26.27	26.33	26.26	
100	QPSK	1	1	26.65	26.75	26.66	27.5
100	QPSK	1	137	26.18	26.24	26.18	
100	QPSK	1	271	26.53	26.61	26.60	
100	QPSK	135	0	25.91	25.92	25.86	26.5
100	QPSK	135	69	26.12	26.12	26.04	
100	QPSK	135	138	25.91	25.96	25.91	
100	QPSK	270	0	25.84	25.92	25.84	26.5
100	16QAM	1	1	26.15	26.19	26.19	
100	64QAM	1	1	24.66	24.66	24.64	
100	256QAM	1	1	22.56	22.66	22.59	23.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.63	26.66	25.49	
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.71	26.71	25.55	
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.72	26.76	25.60	
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.05	26.74	25.82	
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.75	26.73	25.59	
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.99	26.68	25.85	
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.77	26.67	25.57	

n41 PC3_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.77	25.03	23.51	25.7
100	PI/2 BPSK	1	137	25.17	24.13	25.19	
100	PI/2 BPSK	1	271	23.71	24.34	22.70	
100	PI/2 BPSK	135	0	24.09	24.66	24.02	25.2
100	PI/2 BPSK	135	69	25.01	24.67	24.99	25.7
100	PI/2 BPSK	135	138	24.10	23.86	24.04	25.2
100	PI/2 BPSK	270	0	24.14	24.48	24.22	
100	QPSK	1	1	23.70	25.02	23.52	25.7
100	QPSK	1	137	25.01	24.10	25.15	
100	QPSK	1	271	23.73	24.26	23.70	
100	QPSK	135	0	23.59	24.20	23.44	24.7
100	QPSK	135	69	25.02	24.76	24.90	25.7
100	QPSK	135	138	23.57	23.51	24.00	24.7
100	QPSK	270	0	23.89	24.11	24.13	
100	16QAM	1	1	22.77	23.91	22.71	24.7
100	64QAM	1	1	21.23	22.21	21.20	23.2
100	256QAM	1	1	19.32	20.58	19.21	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.87	24.99	24.88	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.84	25.01	24.94	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.74	24.77	24.70	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.74	24.78	24.73	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.03	24.01	24.07	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.03	24.00	23.99	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.11	24.16	24.10	25.7

n77_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.50	24.23	24.30	
100	PI/2 BPSK	1	137	24.57	24.32	24.52	25.7
100	PI/2 BPSK	1	271	24.57	24.47	24.58	
100	PI/2 BPSK	135	0	23.97	23.74	23.90	
100	PI/2 BPSK	135	69	24.52	24.25	24.37	25.2
100	PI/2 BPSK	135	138	24.00	23.82	24.00	
100	PI/2 BPSK	270	0	23.99	23.82	23.92	
100	QPSK	1	1	24.40	24.32	24.42	25.7
100	QPSK	1	137	24.45	24.27	24.43	
100	QPSK	1	271	24.52	24.41	24.52	
100	QPSK	135	0	23.49	23.23	23.38	24.7
100	QPSK	135	69	24.50	24.31	24.44	
100	QPSK	135	138	23.53	23.28	23.38	
100	QPSK	270	0	23.48	23.26	23.36	24.7
100	16QAM	1	1	23.65	23.39	23.58	
100	64QAM	1	1	22.05	21.95	22.14	
100	256QAM	1	1	20.01	19.82	20.01	21.2
Channel				648000	656000	664000	25.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.46	24.22	24.26	
Channel				647334	656000	664668	25.7
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.49	24.20	24.26	

n77_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.24	25.10	25.03	26.5
100	PI/2 BPSK	1	137	25.34	25.16	25.08	
100	PI/2 BPSK	1	271	25.47	25.26	25.21	
100	PI/2 BPSK	135	0	24.74	24.58	24.48	26.0
100	PI/2 BPSK	135	69	25.30	25.11	25.03	26.5
100	PI/2 BPSK	135	138	24.80	24.64	24.60	26.0
100	PI/2 BPSK	270	0	24.76	24.56	24.51	
100	QPSK	1	1	25.29	25.08	25.00	26.5
100	QPSK	1	137	25.38	25.14	25.10	
100	QPSK	1	271	25.45	25.22	25.19	
100	QPSK	135	0	24.69	24.52	24.50	25.5
100	QPSK	135	69	25.25	25.05	24.98	26.5
100	QPSK	135	138	24.41	24.20	24.18	25.5
100	QPSK	270	0	24.27	24.08	24.04	
100	16QAM	1	1	24.49	24.29	24.27	25.5
100	64QAM	1	1	22.95	22.70	22.63	24.0
100	256QAM	1	1	20.84	20.65	20.55	22.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.22	25.08	25.01	26.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	25.23	25.07	25.02	26.5

n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.98		25.0
100	PI/2 BPSK	1	137		23.98		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		23.42		24.5
100	PI/2 BPSK	135	69		23.92		25.0
100	PI/2 BPSK	135	138		23.42		24.5
100	PI/2 BPSK	270	0		23.46		
100	QPSK	1	1		23.91		25.0
100	QPSK	1	137		23.91		
100	QPSK	1	271		23.95		
100	QPSK	135	0		22.84		24.0
100	QPSK	135	69		23.93		25.0
100	QPSK	135	138		22.92		24.0
100	QPSK	270	0		22.91		
100	16QAM	1	1		22.64		24.0
100	64QAM	1	1		21.23		22.5
100	256QAM	1	1		19.55		20.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.90	23.92	23.77	25.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.93	23.96	23.70	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.92	23.91	23.83	25.0
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.86	23.79	23.82	25.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.86	23.90	23.81	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.88	23.89	23.67	25.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.87	23.95	23.89	25.0

n78_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		25.42		
100	PI/2 BPSK	1	137		25.45		26.5
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.90		
100	PI/2 BPSK	135	69		25.42		26.0
100	PI/2 BPSK	135	138		24.93		26.5
100	PI/2 BPSK	270	0		24.92		
100	QPSK	1	1		25.44		
100	QPSK	1	137		25.37		26.5
100	QPSK	1	271		25.43		
100	QPSK	135	0		24.35		
100	QPSK	135	69		25.35		25.5
100	QPSK	135	138		24.45		26.5
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.19		
100	64QAM	1	1		22.95		24.0
100	256QAM	1	1		21.18		22.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	25.38	25.40	25.36	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	25.44	25.38	25.41	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.37	25.43	25.41	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	25.42	25.39	25.26	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	25.43	25.44	25.47	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.33	25.38	25.36	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	25.32	25.32	25.46	

n41_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.76	24.70	24.68	
100	PI/2 BPSK	1	137	24.71	24.68	24.68	25.0
100	PI/2 BPSK	1	271	24.64	24.80	24.78	
100	PI/2 BPSK	135	0	24.74	24.58	24.55	
100	PI/2 BPSK	135	69	24.71	24.60	24.54	25.0
100	PI/2 BPSK	135	138	24.63	24.60	24.55	
100	PI/2 BPSK	270	0	24.70	24.64	24.61	
100	QPSK	1	1	24.76	24.67	24.58	25.5
100	QPSK	1	137	24.71	24.66	24.57	
100	QPSK	1	271	24.64	24.67	24.59	
100	QPSK	135	0	24.76	24.59	24.58	25.5
100	QPSK	135	69	24.70	24.55	24.50	
100	QPSK	135	138	24.64	24.57	24.57	
100	QPSK	270	0	24.71	24.66	24.60	25.5
100	16QAM	1	1	24.65	24.59	24.58	
100	64QAM	1	1	24.48	24.49	24.45	
100	256QAM	1	1	22.36	22.33	22.23	22.5
Channel				508200	518598	528996	25.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.66	24.61	24.46	
Channel				507204	518598	529998	25.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.66	24.61	24.53	
Channel				505200	518598	531996	25.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.72	24.69	24.60	
Channel				504204	518598	532998	25.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.63	24.60	24.44	
Channel				503202	518598	534000	25.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.68	24.69	24.61	
Channel				502200	518598	534996	25.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.54	24.36	
Channel				501204	518598	535998	25.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.69	24.60	24.63	

n77_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.84	23.76	23.53	25.5
100	PI/2 BPSK	1	137	23.94	23.65	23.60	
100	PI/2 BPSK	1	271	23.91	23.72	23.50	
100	PI/2 BPSK	135	0	23.30	23.09	23.00	25.0
100	PI/2 BPSK	135	69	23.85	23.55	23.56	25.5
100	PI/2 BPSK	135	138	23.38	23.16	23.01	25.0
100	PI/2 BPSK	270	0	23.37	23.07	23.04	
100	QPSK	1	1	23.79	23.57	23.36	25.5
100	QPSK	1	137	23.89	23.56	23.32	
100	QPSK	1	271	23.88	23.68	23.49	
100	QPSK	135	0	23.28	22.59	22.36	24.5
100	QPSK	135	69	23.83	23.55	23.49	25.5
100	QPSK	135	138	23.35	22.62	22.51	24.5
100	QPSK	270	0	23.35	22.64	22.56	
100	16QAM	1	1	22.54	22.91	22.72	24.5
100	64QAM	1	1	21.32	21.25	21.06	23.0
100	256QAM	1	1	19.55	19.18	18.99	21.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.13	24.02	23.80	25.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.12	24.03	23.83	25.5

n77_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.72	24.64	24.43	26.0
100	PI/2 BPSK	1	137	24.80	24.53	24.49	
100	PI/2 BPSK	1	271	24.84	24.59	24.40	
100	PI/2 BPSK	135	0	24.23	24.03	23.92	25.5
100	PI/2 BPSK	135	69	24.77	24.48	24.30	26.0
100	PI/2 BPSK	135	138	24.28	24.07	24.05	25.5
100	PI/2 BPSK	270	0	24.23	23.97	23.93	
100	QPSK	1	1	24.67	24.47	24.30	26.0
100	QPSK	1	137	24.75	24.51	24.37	
100	QPSK	1	271	24.77	24.56	24.40	
100	QPSK	135	0	23.75	23.48	23.46	25.0
100	QPSK	135	69	24.74	24.50	24.43	26.0
100	QPSK	135	138	23.79	23.51	23.36	25.0
100	QPSK	270	0	23.79	23.45	23.38	
100	16QAM	1	1	23.89	23.70	23.67	25.0
100	64QAM	1	1	22.32	22.16	22.03	23.5
100	256QAM	1	1	20.27	20.06	19.90	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.72	24.63	24.42	26.0
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.70	24.60	24.41	26.0

n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.54		25.5
100	PI/2 BPSK	1	137		23.50		
100	PI/2 BPSK	1	271		23.51		
100	PI/2 BPSK	135	0		23.07		25.0
100	PI/2 BPSK	135	69		23.50		25.5
100	PI/2 BPSK	135	138		23.14		25.0
100	PI/2 BPSK	270	0		23.08		
100	QPSK	1	1		23.50		25.5
100	QPSK	1	137		23.51		
100	QPSK	1	271		23.50		
100	QPSK	135	0		22.56		24.5
100	QPSK	135	69		23.54		25.5
100	QPSK	135	138		22.62		24.5
100	QPSK	270	0		22.56		
100	16QAM	1	1		22.39		24.5
100	64QAM	1	1		21.13		23.0
100	256QAM	1	1		19.34		21.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.42	23.50	23.49	25.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.59	23.63	23.57	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.63	23.60	23.57	25.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.62	23.62	23.63	25.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.55	23.63	23.59	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.44	23.59	23.50	25.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.53	23.50	23.49	25.5

n78_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	26.0
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		24.91		
100	PI/2 BPSK	1	137		24.90		26.0
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.37		
100	PI/2 BPSK	135	69		24.87		25.5
100	PI/2 BPSK	135	138		24.40		
100	PI/2 BPSK	270	0		24.40		
100	QPSK	1	1		24.93		26.0
100	QPSK	1	137		24.90		
100	QPSK	1	271		24.89		
100	QPSK	135	0		23.89		25.0
100	QPSK	135	69		24.87		
100	QPSK	135	138		23.93		
100	QPSK	270	0		23.86		26.0
100	16QAM	1	1		23.64		
100	64QAM	1	1		22.47		
100	256QAM	1	1		20.68		21.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	24.90	24.91	24.89	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	24.88	24.88	24.90	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.86	24.86	24.82	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	24.90	24.90	24.86	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	24.81	24.90	24.85	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.86	24.86	24.79	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	24.83	24.91	24.87	

n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.64	24.69	24.59	25.7
100	PI/2 BPSK	1	137	24.76	24.70	24.66	
100	PI/2 BPSK	1	271	24.67	24.61	24.56	
100	PI/2 BPSK	135	0	24.15	24.16	24.00	25.2
100	PI/2 BPSK	135	69	24.65	24.63	24.58	25.7
100	PI/2 BPSK	135	138	24.25	24.10	24.02	25.2
100	PI/2 BPSK	270	0	24.20	24.12	24.09	
100	QPSK	1	1	24.72	24.63	24.64	25.7
100	QPSK	1	137	24.76	24.56	24.64	
100	QPSK	1	271	24.67	24.59	24.57	
100	QPSK	135	0	23.67	23.66	23.49	25.7
100	QPSK	135	69	24.63	24.54	24.57	
100	QPSK	135	138	23.65	23.51	23.55	
100	QPSK	270	0	23.69	23.62	23.55	24.7
100	16QAM	1	1	23.79	23.88	23.74	24.7
100	64QAM	1	1	22.29	22.36	22.28	23.2
100	256QAM	1	1	20.38	20.39	20.28	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.60	24.53	24.49	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.64	24.61	24.59	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.59	24.60	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.60	24.64	24.52	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.60	24.61	24.55	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.54	24.51	24.55	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.39	24.51	24.44	25.7

n41_HPUE PC2_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.85	25.38	25.24	26.8
100	PI/2 BPSK	1	137	25.37	25.31	25.17	
100	PI/2 BPSK	1	271	25.37	25.21	25.07	
100	PI/2 BPSK	135	0	25.09	25.23	25.12	26.8
100	PI/2 BPSK	135	69	25.32	25.45	25.06	26.8
100	PI/2 BPSK	135	138	25.30	25.18	25.11	26.8
100	PI/2 BPSK	270	0	25.27	25.40	25.17	
100	QPSK	1	1	24.85	25.32	25.26	26.8
100	QPSK	1	137	25.37	25.29	25.13	
100	QPSK	1	271	25.35	25.20	25.08	
100	QPSK	135	0	25.09	25.20	25.13	26.5
100	QPSK	135	69	25.33	25.22	25.10	26.8
100	QPSK	135	138	25.31	25.17	25.08	26.5
100	QPSK	270	0	25.22	25.29	25.11	
100	16QAM	1	1	24.82	25.46	24.80	26.5
100	64QAM	1	1	23.33	24.46	23.08	25.0
100	256QAM	1	1	21.57	22.65	21.94	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.71	25.25	25.17	26.8
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.79	25.34	25.23	26.8
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.84	25.37	25.14	26.8
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.83	25.37	25.20	26.8
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.79	25.28	25.18	26.8
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.77	25.28	25.15	26.8
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.76	25.28	25.17	26.8

n41 PC3_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.77	25.03	23.51	25.7
100	PI/2 BPSK	1	137	25.17	24.13	25.19	
100	PI/2 BPSK	1	271	23.71	24.34	22.70	
100	PI/2 BPSK	135	0	24.09	24.66	24.02	25.2
100	PI/2 BPSK	135	69	25.01	24.67	24.99	25.7
100	PI/2 BPSK	135	138	24.10	23.86	24.04	25.2
100	PI/2 BPSK	270	0	24.14	24.48	24.22	
100	QPSK	1	1	23.70	25.02	23.52	25.7
100	QPSK	1	137	25.01	24.10	25.15	
100	QPSK	1	271	23.73	24.26	23.70	
100	QPSK	135	0	23.59	24.20	23.44	25.4
100	QPSK	135	69	25.02	24.76	24.90	25.7
100	QPSK	135	138	23.57	23.51	24.00	25.4
100	QPSK	270	0	23.89	24.11	24.13	
100	16QAM	1	1	22.77	23.91	22.71	25.4
100	64QAM	1	1	21.23	22.21	21.20	23.9
100	256QAM	1	1	19.32	20.58	19.21	21.9
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.87	24.99	24.88	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.84	25.01	24.94	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.74	24.77	24.70	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.74	24.78	24.73	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.03	24.01	24.07	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.03	24.00	23.99	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.11	24.16	24.10	25.7

n77_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.50	24.23	24.30	
100	PI/2 BPSK	1	137	24.57	24.32	24.52	25.2
100	PI/2 BPSK	1	271	24.57	24.47	24.58	
100	PI/2 BPSK	135	0	23.97	23.74	23.90	
100	PI/2 BPSK	135	69	24.52	24.25	24.37	25.7
100	PI/2 BPSK	135	138	24.00	23.82	24.00	
100	PI/2 BPSK	270	0	23.99	23.82	23.92	
100	QPSK	1	1	24.40	24.32	24.42	25.7
100	QPSK	1	137	24.45	24.27	24.43	
100	QPSK	1	271	24.52	24.41	24.52	
100	QPSK	135	0	23.49	23.23	23.38	24.7
100	QPSK	135	69	24.50	24.31	24.44	
100	QPSK	135	138	23.53	23.28	23.38	
100	QPSK	270	0	23.48	23.26	23.36	24.7
100	16QAM	1	1	23.65	23.39	23.58	
100	64QAM	1	1	22.05	21.95	22.14	
100	256QAM	1	1	20.01	19.82	20.01	21.2
Channel				648000	656000	664000	25.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.46	24.22	24.26	
Channel				647334	656000	664668	25.7
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.49	24.20	24.26	

n77_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.24	25.10	25.03	26.5
100	PI/2 BPSK	1	137	25.34	25.16	25.08	
100	PI/2 BPSK	1	271	25.47	25.26	25.21	
100	PI/2 BPSK	135	0	24.74	24.58	24.48	26.0
100	PI/2 BPSK	135	69	25.30	25.11	25.03	26.5
100	PI/2 BPSK	135	138	24.80	24.64	24.60	26.0
100	PI/2 BPSK	270	0	24.76	24.56	24.51	
100	QPSK	1	1	25.29	25.08	25.00	26.5
100	QPSK	1	137	25.38	25.14	25.10	
100	QPSK	1	271	25.45	25.22	25.19	
100	QPSK	135	0	24.69	24.52	24.50	25.5
100	QPSK	135	69	25.25	25.05	24.98	26.5
100	QPSK	135	138	24.41	24.20	24.18	25.5
100	QPSK	270	0	24.27	24.08	24.04	
100	16QAM	1	1	24.49	24.29	24.27	25.5
100	64QAM	1	1	22.95	22.70	22.63	24.0
100	256QAM	1	1	20.84	20.65	20.55	22.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.22	25.08	25.01	26.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	25.23	25.07	25.02	26.5

n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.98		25.0
100	PI/2 BPSK	1	137		23.98		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		23.42		24.5
100	PI/2 BPSK	135	69		23.92		25.0
100	PI/2 BPSK	135	138		23.42		24.5
100	PI/2 BPSK	270	0		23.46		
100	QPSK	1	1		23.91		25.0
100	QPSK	1	137		23.91		
100	QPSK	1	271		23.95		
100	QPSK	135	0		22.84		24.0
100	QPSK	135	69		23.93		25.0
100	QPSK	135	138		22.92		24.0
100	QPSK	270	0		22.91		
100	16QAM	1	1		22.64		24.0
100	64QAM	1	1		21.23		22.5
100	256QAM	1	1		19.55		20.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.90	23.92	23.77	25.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.93	23.96	23.70	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.92	23.91	23.83	25.0
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.86	23.79	23.82	25.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.86	23.90	23.81	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.88	23.89	23.67	25.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.87	23.95	23.89	25.0

n78_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		25.42		26.5
100	PI/2 BPSK	1	137		25.45		
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.90		26.0
100	PI/2 BPSK	135	69		25.42		26.5
100	PI/2 BPSK	135	138		24.93		26.0
100	PI/2 BPSK	270	0		24.92		
100	QPSK	1	1		25.44		26.5
100	QPSK	1	137		25.37		
100	QPSK	1	271		25.43		
100	QPSK	135	0		24.35		25.5
100	QPSK	135	69		25.35		26.5
100	QPSK	135	138		24.45		25.5
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.19		25.5
100	64QAM	1	1		22.95		24.0
100	256QAM	1	1		21.18		22.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	25.38	25.40	25.36	26.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	25.44	25.38	25.41	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.37	25.43	25.41	26.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	25.42	25.39	25.26	26.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	25.43	25.44	25.47	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.33	25.38	25.36	26.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	25.32	25.32	25.46	26.5

n41_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.76	24.70	24.68	
100	PI/2 BPSK	1	137	24.71	24.68	24.68	25.0
100	PI/2 BPSK	1	271	24.64	24.80	24.78	
100	PI/2 BPSK	135	0	24.74	24.58	24.55	
100	PI/2 BPSK	135	69	24.71	24.60	24.54	25.0
100	PI/2 BPSK	135	138	24.63	24.60	24.55	
100	PI/2 BPSK	270	0	24.70	24.64	24.61	
100	QPSK	1	1	24.76	24.67	24.58	25.5
100	QPSK	1	137	24.71	24.66	24.57	
100	QPSK	1	271	24.64	24.67	24.59	
100	QPSK	135	0	24.76	24.59	24.58	25.5
100	QPSK	135	69	24.70	24.55	24.50	
100	QPSK	135	138	24.64	24.57	24.57	
100	QPSK	270	0	24.71	24.66	24.60	25.5
100	16QAM	1	1	24.65	24.59	24.58	
100	64QAM	1	1	24.48	24.49	24.45	
100	256QAM	1	1	22.36	22.33	22.23	22.5
Channel				508200	518598	528996	25.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.66	24.61	24.46	
Channel				507204	518598	529998	25.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.66	24.61	24.53	
Channel				505200	518598	531996	25.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.72	24.69	24.60	
Channel				504204	518598	532998	25.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.63	24.60	24.44	
Channel				503202	518598	534000	25.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.68	24.69	24.61	
Channel				502200	518598	534996	25.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.54	24.36	
Channel				501204	518598	535998	25.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.69	24.60	24.63	

n77_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.84	23.76	23.53	
100	PI/2 BPSK	1	137	23.94	23.65	23.60	25.5
100	PI/2 BPSK	1	271	23.91	23.72	23.50	
100	PI/2 BPSK	135	0	23.30	23.09	23.00	
100	PI/2 BPSK	135	69	23.85	23.55	23.56	25.0
100	PI/2 BPSK	135	138	23.38	23.16	23.01	
100	PI/2 BPSK	270	0	23.37	23.07	23.04	
100	QPSK	1	1	23.79	23.57	23.36	25.5
100	QPSK	1	137	23.89	23.56	23.32	
100	QPSK	1	271	23.88	23.68	23.49	
100	QPSK	135	0	23.28	22.59	22.36	24.5
100	QPSK	135	69	23.83	23.55	23.49	
100	QPSK	135	138	23.35	22.62	22.51	
100	QPSK	270	0	23.35	22.64	22.56	24.5
100	16QAM	1	1	22.54	22.91	22.72	
100	64QAM	1	1	21.32	21.25	21.06	
100	256QAM	1	1	19.55	19.18	18.99	21.0
Channel				648000	656000	664000	25.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.13	24.02	23.80	
Channel				647334	656000	664668	25.5
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.12	24.03	23.83	

n77_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.72	24.64	24.43	26.0
100	PI/2 BPSK	1	137	24.80	24.53	24.49	
100	PI/2 BPSK	1	271	24.84	24.59	24.40	
100	PI/2 BPSK	135	0	24.23	24.03	23.92	25.5
100	PI/2 BPSK	135	69	24.77	24.48	24.30	26.0
100	PI/2 BPSK	135	138	24.28	24.07	24.05	25.5
100	PI/2 BPSK	270	0	24.23	23.97	23.93	
100	QPSK	1	1	24.67	24.47	24.30	26.0
100	QPSK	1	137	24.75	24.51	24.37	
100	QPSK	1	271	24.77	24.56	24.40	
100	QPSK	135	0	23.75	23.48	23.46	25.0
100	QPSK	135	69	24.74	24.50	24.43	26.0
100	QPSK	135	138	23.79	23.51	23.36	25.0
100	QPSK	270	0	23.79	23.45	23.38	
100	16QAM	1	1	23.89	23.70	23.67	25.0
100	64QAM	1	1	22.32	22.16	22.03	23.5
100	256QAM	1	1	20.27	20.06	19.90	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.72	24.63	24.42	26.0
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.70	24.60	24.41	26.0

n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.54		25.5
100	PI/2 BPSK	1	137		23.50		
100	PI/2 BPSK	1	271		23.51		
100	PI/2 BPSK	135	0		23.07		25.0
100	PI/2 BPSK	135	69		23.50		25.5
100	PI/2 BPSK	135	138		23.14		25.0
100	PI/2 BPSK	270	0		23.08		
100	QPSK	1	1		23.50		25.5
100	QPSK	1	137		23.51		
100	QPSK	1	271		23.50		
100	QPSK	135	0		22.56		24.5
100	QPSK	135	69		23.54		25.5
100	QPSK	135	138		22.62		24.5
100	QPSK	270	0		22.56		
100	16QAM	1	1		22.39		24.5
100	64QAM	1	1		21.13		23.0
100	256QAM	1	1		19.34		21.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.42	23.50	23.49	25.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.59	23.63	23.57	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.63	23.60	23.57	25.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.62	23.62	23.63	25.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.55	23.63	23.59	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.44	23.59	23.50	25.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.53	23.50	23.49	25.5

n78_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		24.91		
100	PI/2 BPSK	1	137		24.90		26.0
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.37		25.5
100	PI/2 BPSK	135	69		24.87		26.0
100	PI/2 BPSK	135	138		24.40		25.5
100	PI/2 BPSK	270	0		24.40		
100	QPSK	1	1		24.93		
100	QPSK	1	137		24.90		26.0
100	QPSK	1	271		24.89		
100	QPSK	135	0		23.89		25.0
100	QPSK	135	69		24.87		26.0
100	QPSK	135	138		23.93		25.0
100	QPSK	270	0		23.86		
100	16QAM	1	1		23.64		25.0
100	64QAM	1	1		22.47		23.5
100	256QAM	1	1		20.68		21.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	24.90	24.91	24.89	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	24.88	24.88	24.90	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.86	24.86	24.82	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	24.90	24.90	24.86	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	24.81	24.90	24.85	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.86	24.86	24.79	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	24.83	24.91	24.87	

n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.64	24.69	24.59	25.7
100	PI/2 BPSK	1	137	24.76	24.70	24.66	
100	PI/2 BPSK	1	271	24.67	24.61	24.56	
100	PI/2 BPSK	135	0	24.15	24.16	24.00	25.2
100	PI/2 BPSK	135	69	24.65	24.63	24.58	25.7
100	PI/2 BPSK	135	138	24.25	24.10	24.02	25.2
100	PI/2 BPSK	270	0	24.20	24.12	24.09	
100	QPSK	1	1	24.72	24.63	24.64	25.7
100	QPSK	1	137	24.76	24.56	24.64	
100	QPSK	1	271	24.67	24.59	24.57	
100	QPSK	135	0	23.67	23.66	23.49	25.7
100	QPSK	135	69	24.63	24.54	24.57	
100	QPSK	135	138	23.65	23.51	23.55	
100	QPSK	270	0	23.69	23.62	23.55	24.7
100	16QAM	1	1	23.79	23.88	23.74	24.7
100	64QAM	1	1	22.29	22.36	22.28	23.2
100	256QAM	1	1	20.38	20.39	20.28	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.60	24.53	24.49	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.64	24.61	24.59	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.59	24.60	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.60	24.64	24.52	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.60	24.61	24.55	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.54	24.51	24.55	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.39	24.51	24.44	25.7

n41_HPUE PC2_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.85	25.38	25.24	25.9
100	PI/2 BPSK	1	137	25.37	25.31	25.17	
100	PI/2 BPSK	1	271	25.37	25.21	25.07	
100	PI/2 BPSK	135	0	25.09	25.23	25.12	25.9
100	PI/2 BPSK	135	69	25.32	25.45	25.06	25.9
100	PI/2 BPSK	135	138	25.30	25.18	25.11	25.9
100	PI/2 BPSK	270	0	25.27	25.40	25.17	
100	QPSK	1	1	24.85	25.32	25.26	25.9
100	QPSK	1	137	25.37	25.29	25.13	
100	QPSK	1	271	25.35	25.20	25.08	
100	QPSK	135	0	25.09	25.20	25.13	25.9
100	QPSK	135	69	25.33	25.22	25.10	25.9
100	QPSK	135	138	25.31	25.17	25.08	25.9
100	QPSK	270	0	25.22	25.29	25.11	
100	16QAM	1	1	24.82	25.46	24.80	25.9
100	64QAM	1	1	23.33	24.46	23.08	25.0
100	256QAM	1	1	21.57	22.65	21.94	23.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.71	25.25	25.17	25.9
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.79	25.34	25.23	25.9
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.84	25.37	25.14	25.9
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.83	25.37	25.20	25.9
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.79	25.28	25.18	25.9
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.77	25.28	25.15	25.9
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.76	25.28	25.17	25.9

n41 PC3_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.77	25.03	23.51	25.7
100	PI/2 BPSK	1	137	25.17	24.13	25.19	
100	PI/2 BPSK	1	271	23.71	24.34	22.70	
100	PI/2 BPSK	135	0	24.09	24.66	24.02	25.2
100	PI/2 BPSK	135	69	25.01	24.67	24.99	25.7
100	PI/2 BPSK	135	138	24.10	23.86	24.04	25.2
100	PI/2 BPSK	270	0	24.14	24.48	24.22	
100	QPSK	1	1	23.70	25.02	23.52	25.7
100	QPSK	1	137	25.01	24.10	25.15	
100	QPSK	1	271	23.73	24.26	23.70	
100	QPSK	135	0	23.59	24.20	23.44	25.7
100	QPSK	135	69	25.02	24.76	24.90	25.7
100	QPSK	135	138	23.57	23.51	24.00	25.7
100	QPSK	270	0	23.89	24.11	24.13	
100	16QAM	1	1	22.77	23.91	22.71	25.7
100	64QAM	1	1	21.23	22.21	21.20	24.8
100	256QAM	1	1	19.32	20.58	19.21	22.8
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.87	24.99	24.88	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.84	25.01	24.94	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.74	24.77	24.70	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.74	24.78	24.73	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.03	24.01	24.07	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.03	24.00	23.99	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.11	24.16	24.10	25.7

n77_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.50	24.23	24.30	
100	PI/2 BPSK	1	137	24.57	24.32	24.52	25.2
100	PI/2 BPSK	1	271	24.57	24.47	24.58	
100	PI/2 BPSK	135	0	23.97	23.74	23.90	
100	PI/2 BPSK	135	69	24.52	24.25	24.37	25.7
100	PI/2 BPSK	135	138	24.00	23.82	24.00	
100	PI/2 BPSK	270	0	23.99	23.82	23.92	
100	QPSK	1	1	24.40	24.32	24.42	25.7
100	QPSK	1	137	24.45	24.27	24.43	
100	QPSK	1	271	24.52	24.41	24.52	
100	QPSK	135	0	23.49	23.23	23.38	24.7
100	QPSK	135	69	24.50	24.31	24.44	
100	QPSK	135	138	23.53	23.28	23.38	
100	QPSK	270	0	23.48	23.26	23.36	24.7
100	16QAM	1	1	23.65	23.39	23.58	
100	64QAM	1	1	22.05	21.95	22.14	
100	256QAM	1	1	20.01	19.82	20.01	21.2
Channel				648000	656000	664000	25.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.46	24.22	24.26	
Channel				647334	656000	664668	25.7
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.49	24.20	24.26	

n77_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.24	25.10	25.03	26.5
100	PI/2 BPSK	1	137	25.34	25.16	25.08	
100	PI/2 BPSK	1	271	25.47	25.26	25.21	
100	PI/2 BPSK	135	0	24.74	24.58	24.48	26.0
100	PI/2 BPSK	135	69	25.30	25.11	25.03	26.5
100	PI/2 BPSK	135	138	24.80	24.64	24.60	26.0
100	PI/2 BPSK	270	0	24.76	24.56	24.51	
100	QPSK	1	1	25.29	25.08	25.00	26.5
100	QPSK	1	137	25.38	25.14	25.10	
100	QPSK	1	271	25.45	25.22	25.19	
100	QPSK	135	0	24.69	24.52	24.50	25.5
100	QPSK	135	69	25.25	25.05	24.98	26.5
100	QPSK	135	138	24.41	24.20	24.18	25.5
100	QPSK	270	0	24.27	24.08	24.04	
100	16QAM	1	1	24.49	24.29	24.27	25.5
100	64QAM	1	1	22.95	22.70	22.63	24.0
100	256QAM	1	1	20.84	20.65	20.55	22.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.22	25.08	25.01	26.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	25.23	25.07	25.02	26.5

n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.98		25.0
100	PI/2 BPSK	1	137		23.98		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		23.42		24.5
100	PI/2 BPSK	135	69		23.92		25.0
100	PI/2 BPSK	135	138		23.42		24.5
100	PI/2 BPSK	270	0		23.46		
100	QPSK	1	1		23.91		25.0
100	QPSK	1	137		23.91		
100	QPSK	1	271		23.95		
100	QPSK	135	0		22.84		24.0
100	QPSK	135	69		23.93		25.0
100	QPSK	135	138		22.92		24.0
100	QPSK	270	0		22.91		
100	16QAM	1	1		22.64		24.0
100	64QAM	1	1		21.23		22.5
100	256QAM	1	1		19.55		20.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.90	23.92	23.77	25.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.93	23.96	23.70	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.92	23.91	23.83	25.0
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.86	23.79	23.82	25.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.86	23.90	23.81	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.88	23.89	23.67	25.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.87	23.95	23.89	25.0

n78_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		25.42		
100	PI/2 BPSK	1	137		25.45		26.5
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.90		26.0
100	PI/2 BPSK	135	69		25.42		26.5
100	PI/2 BPSK	135	138		24.93		26.0
100	PI/2 BPSK	270	0		24.92		
100	QPSK	1	1		25.44		
100	QPSK	1	137		25.37		26.5
100	QPSK	1	271		25.43		
100	QPSK	135	0		24.35		25.5
100	QPSK	135	69		25.35		26.5
100	QPSK	135	138		24.45		25.5
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.19		25.5
100	64QAM	1	1		22.95		24.0
100	256QAM	1	1		21.18		22.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	25.38	25.40	25.36	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	25.44	25.38	25.41	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.37	25.43	25.41	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	25.42	25.39	25.26	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	25.43	25.44	25.47	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.33	25.38	25.36	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	25.32	25.32	25.46	

n41_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.76	24.70	24.68	
100	PI/2 BPSK	1	137	24.71	24.68	24.68	25.0
100	PI/2 BPSK	1	271	24.64	24.80	24.78	
100	PI/2 BPSK	135	0	24.74	24.58	24.55	
100	PI/2 BPSK	135	69	24.71	24.60	24.54	25.0
100	PI/2 BPSK	135	138	24.63	24.60	24.55	
100	PI/2 BPSK	270	0	24.70	24.64	24.61	
100	QPSK	1	1	24.76	24.67	24.58	25.5
100	QPSK	1	137	24.71	24.66	24.57	
100	QPSK	1	271	24.64	24.67	24.59	
100	QPSK	135	0	24.76	24.59	24.58	25.5
100	QPSK	135	69	24.70	24.55	24.50	
100	QPSK	135	138	24.64	24.57	24.57	
100	QPSK	270	0	24.71	24.66	24.60	25.5
100	16QAM	1	1	24.65	24.59	24.58	
100	64QAM	1	1	24.48	24.49	24.45	
100	256QAM	1	1	22.36	22.33	22.23	22.5
Channel				508200	518598	528996	25.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.66	24.61	24.46	
Channel				507204	518598	529998	25.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.66	24.61	24.53	
Channel				505200	518598	531996	25.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.72	24.69	24.60	
Channel				504204	518598	532998	25.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.63	24.60	24.44	
Channel				503202	518598	534000	25.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.68	24.69	24.61	
Channel				502200	518598	534996	25.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.54	24.36	
Channel				501204	518598	535998	25.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.69	24.60	24.63	

n77_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.84	23.76	23.53	25.5
100	PI/2 BPSK	1	137	23.94	23.65	23.60	
100	PI/2 BPSK	1	271	23.91	23.72	23.50	
100	PI/2 BPSK	135	0	23.30	23.09	23.00	25.0
100	PI/2 BPSK	135	69	23.85	23.55	23.56	25.5
100	PI/2 BPSK	135	138	23.38	23.16	23.01	25.0
100	PI/2 BPSK	270	0	23.37	23.07	23.04	
100	QPSK	1	1	23.79	23.57	23.36	25.5
100	QPSK	1	137	23.89	23.56	23.32	
100	QPSK	1	271	23.88	23.68	23.49	
100	QPSK	135	0	23.28	22.59	22.36	24.5
100	QPSK	135	69	23.83	23.55	23.49	25.5
100	QPSK	135	138	23.35	22.62	22.51	24.5
100	QPSK	270	0	23.35	22.64	22.56	
100	16QAM	1	1	22.54	22.91	22.72	24.5
100	64QAM	1	1	21.32	21.25	21.06	23.0
100	256QAM	1	1	19.55	19.18	18.99	21.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.13	24.02	23.80	25.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.12	24.03	23.83	25.5

n77_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.72	24.64	24.43	26.0
100	PI/2 BPSK	1	137	24.80	24.53	24.49	
100	PI/2 BPSK	1	271	24.84	24.59	24.40	
100	PI/2 BPSK	135	0	24.23	24.03	23.92	25.5
100	PI/2 BPSK	135	69	24.77	24.48	24.30	26.0
100	PI/2 BPSK	135	138	24.28	24.07	24.05	25.5
100	PI/2 BPSK	270	0	24.23	23.97	23.93	
100	QPSK	1	1	24.67	24.47	24.30	26.0
100	QPSK	1	137	24.75	24.51	24.37	
100	QPSK	1	271	24.77	24.56	24.40	
100	QPSK	135	0	23.75	23.48	23.46	25.0
100	QPSK	135	69	24.74	24.50	24.43	26.0
100	QPSK	135	138	23.79	23.51	23.36	25.0
100	QPSK	270	0	23.79	23.45	23.38	
100	16QAM	1	1	23.89	23.70	23.67	25.0
100	64QAM	1	1	22.32	22.16	22.03	23.5
100	256QAM	1	1	20.27	20.06	19.90	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.72	24.63	24.42	26.0
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.70	24.60	24.41	26.0

n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.54		25.5
100	PI/2 BPSK	1	137		23.50		
100	PI/2 BPSK	1	271		23.51		
100	PI/2 BPSK	135	0		23.07		25.0
100	PI/2 BPSK	135	69		23.50		25.5
100	PI/2 BPSK	135	138		23.14		25.0
100	PI/2 BPSK	270	0		23.08		
100	QPSK	1	1		23.50		25.5
100	QPSK	1	137		23.51		
100	QPSK	1	271		23.50		
100	QPSK	135	0		22.56		24.5
100	QPSK	135	69		23.54		25.5
100	QPSK	135	138		22.62		24.5
100	QPSK	270	0		22.56		
100	16QAM	1	1		22.39		24.5
100	64QAM	1	1		21.13		23.0
100	256QAM	1	1		19.34		21.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.42	23.50	23.49	25.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.59	23.63	23.57	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.63	23.60	23.57	25.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.62	23.62	23.63	25.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.55	23.63	23.59	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.44	23.59	23.50	25.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.53	23.50	23.49	25.5

n78_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		24.91		
100	PI/2 BPSK	1	137		24.90		26.0
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.37		25.5
100	PI/2 BPSK	135	69		24.87		26.0
100	PI/2 BPSK	135	138		24.40		25.5
100	PI/2 BPSK	270	0		24.40		
100	QPSK	1	1		24.93		
100	QPSK	1	137		24.90		26.0
100	QPSK	1	271		24.89		
100	QPSK	135	0		23.89		25.0
100	QPSK	135	69		24.87		26.0
100	QPSK	135	138		23.93		25.0
100	QPSK	270	0		23.86		
100	16QAM	1	1		23.64		25.0
100	64QAM	1	1		22.47		23.5
100	256QAM	1	1		20.68		21.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	24.90	24.91	24.89	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	24.88	24.88	24.90	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.86	24.86	24.82	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	24.90	24.90	24.86	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	24.81	24.90	24.85	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.86	24.86	24.79	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	24.83	24.91	24.87	

n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.64	24.69	24.59	25.7
100	PI/2 BPSK	1	137	24.76	24.70	24.66	
100	PI/2 BPSK	1	271	24.67	24.61	24.56	
100	PI/2 BPSK	135	0	24.15	24.16	24.00	25.2
100	PI/2 BPSK	135	69	24.65	24.63	24.58	25.7
100	PI/2 BPSK	135	138	24.25	24.10	24.02	25.2
100	PI/2 BPSK	270	0	24.20	24.12	24.09	
100	QPSK	1	1	24.72	24.63	24.64	25.7
100	QPSK	1	137	24.76	24.56	24.64	
100	QPSK	1	271	24.67	24.59	24.57	
100	QPSK	135	0	23.67	23.66	23.49	25.7
100	QPSK	135	69	24.63	24.54	24.57	
100	QPSK	135	138	23.65	23.51	23.55	
100	QPSK	270	0	23.69	23.62	23.55	24.7
100	16QAM	1	1	23.79	23.88	23.74	24.7
100	64QAM	1	1	22.29	22.36	22.28	23.2
100	256QAM	1	1	20.38	20.39	20.28	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.60	24.53	24.49	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.64	24.61	24.59	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.59	24.60	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.60	24.64	24.52	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.60	24.61	24.55	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.54	24.51	24.55	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.39	24.51	24.44	25.7

n41_HPUE PC2_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.85	25.38	25.24	26.8
100	PI/2 BPSK	1	137	25.37	25.31	25.17	
100	PI/2 BPSK	1	271	25.37	25.21	25.07	
100	PI/2 BPSK	135	0	25.09	25.23	25.12	26.8
100	PI/2 BPSK	135	69	25.32	25.45	25.06	26.8
100	PI/2 BPSK	135	138	25.30	25.18	25.11	26.8
100	PI/2 BPSK	270	0	25.27	25.40	25.17	
100	QPSK	1	1	24.85	25.32	25.26	26.8
100	QPSK	1	137	25.37	25.29	25.13	
100	QPSK	1	271	25.35	25.20	25.08	
100	QPSK	135	0	25.09	25.20	25.13	26.5
100	QPSK	135	69	25.33	25.22	25.10	26.8
100	QPSK	135	138	25.31	25.17	25.08	26.5
100	QPSK	270	0	25.22	25.29	25.11	
100	16QAM	1	1	24.82	25.46	24.80	26.5
100	64QAM	1	1	23.33	24.46	23.08	25.0
100	256QAM	1	1	21.57	22.65	21.94	23.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.71	25.25	25.17	26.8
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.79	25.34	25.23	26.8
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.84	25.37	25.14	26.8
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.83	25.37	25.20	26.8
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.79	25.28	25.18	26.8
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.77	25.28	25.15	26.8
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.76	25.28	25.17	26.8

n41 PC3_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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.77	25.03	23.51	25.7
100	PI/2 BPSK	1	137	25.17	24.13	25.19	
100	PI/2 BPSK	1	271	23.71	24.34	22.70	
100	PI/2 BPSK	135	0	24.09	24.66	24.02	25.2
100	PI/2 BPSK	135	69	25.01	24.67	24.99	25.7
100	PI/2 BPSK	135	138	24.10	23.86	24.04	25.2
100	PI/2 BPSK	270	0	24.14	24.48	24.22	
100	QPSK	1	1	23.70	25.02	23.52	25.7
100	QPSK	1	137	25.01	24.10	25.15	
100	QPSK	1	271	23.73	24.26	23.70	
100	QPSK	135	0	23.59	24.20	23.44	25.4
100	QPSK	135	69	25.02	24.76	24.90	25.7
100	QPSK	135	138	23.57	23.51	24.00	25.4
100	QPSK	270	0	23.89	24.11	24.13	
100	16QAM	1	1	22.77	23.91	22.71	25.4
100	64QAM	1	1	21.23	22.21	21.20	23.9
100	256QAM	1	1	19.32	20.58	19.21	21.9
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.87	24.99	24.88	25.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.84	25.01	24.94	25.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.74	24.77	24.70	25.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.74	24.78	24.73	25.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.03	24.01	24.07	25.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.03	24.00	23.99	25.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.11	24.16	24.10	25.7

n77_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.50	24.23	24.30	
100	PI/2 BPSK	1	137	24.57	24.32	24.52	25.2
100	PI/2 BPSK	1	271	24.57	24.47	24.58	
100	PI/2 BPSK	135	0	23.97	23.74	23.90	
100	PI/2 BPSK	135	69	24.52	24.25	24.37	25.7
100	PI/2 BPSK	135	138	24.00	23.82	24.00	
100	PI/2 BPSK	270	0	23.99	23.82	23.92	
100	QPSK	1	1	24.40	24.32	24.42	25.7
100	QPSK	1	137	24.45	24.27	24.43	
100	QPSK	1	271	24.52	24.41	24.52	
100	QPSK	135	0	23.49	23.23	23.38	24.7
100	QPSK	135	69	24.50	24.31	24.44	
100	QPSK	135	138	23.53	23.28	23.38	
100	QPSK	270	0	23.48	23.26	23.36	24.7
100	16QAM	1	1	23.65	23.39	23.58	
100	64QAM	1	1	22.05	21.95	22.14	
100	256QAM	1	1	20.01	19.82	20.01	21.2
Channel				648000	656000	664000	25.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.46	24.22	24.26	
Channel				647334	656000	664668	25.7
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.49	24.20	24.26	

n77_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.24	25.10	25.03	26.5
100	PI/2 BPSK	1	137	25.34	25.16	25.08	
100	PI/2 BPSK	1	271	25.47	25.26	25.21	
100	PI/2 BPSK	135	0	24.74	24.58	24.48	26.0
100	PI/2 BPSK	135	69	25.30	25.11	25.03	26.5
100	PI/2 BPSK	135	138	24.80	24.64	24.60	26.0
100	PI/2 BPSK	270	0	24.76	24.56	24.51	
100	QPSK	1	1	25.29	25.08	25.00	26.5
100	QPSK	1	137	25.38	25.14	25.10	
100	QPSK	1	271	25.45	25.22	25.19	
100	QPSK	135	0	24.69	24.52	24.50	25.5
100	QPSK	135	69	25.25	25.05	24.98	26.5
100	QPSK	135	138	24.41	24.20	24.18	25.5
100	QPSK	270	0	24.27	24.08	24.04	
100	16QAM	1	1	24.49	24.29	24.27	25.5
100	64QAM	1	1	22.95	22.70	22.63	24.0
100	256QAM	1	1	20.84	20.65	20.55	22.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.22	25.08	25.01	26.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	25.23	25.07	25.02	26.5

n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.98		25.0
100	PI/2 BPSK	1	137		23.98		
100	PI/2 BPSK	1	271		24.00		
100	PI/2 BPSK	135	0		23.42		24.5
100	PI/2 BPSK	135	69		23.92		25.0
100	PI/2 BPSK	135	138		23.42		24.5
100	PI/2 BPSK	270	0		23.46		
100	QPSK	1	1		23.91		25.0
100	QPSK	1	137		23.91		
100	QPSK	1	271		23.95		
100	QPSK	135	0		22.84		24.0
100	QPSK	135	69		23.93		25.0
100	QPSK	135	138		22.92		24.0
100	QPSK	270	0		22.91		
100	16QAM	1	1		22.64		24.0
100	64QAM	1	1		21.23		22.5
100	256QAM	1	1		19.55		20.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.90	23.92	23.77	25.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.93	23.96	23.70	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.92	23.91	23.83	25.0
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.86	23.79	23.82	25.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.86	23.90	23.81	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.88	23.89	23.67	25.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.87	23.95	23.89	25.0

n78_HPUE_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		25.42		26.5
100	PI/2 BPSK	1	137		25.45		
100	PI/2 BPSK	1	271		25.49		
100	PI/2 BPSK	135	0		24.90		26.0
100	PI/2 BPSK	135	69		25.42		26.5
100	PI/2 BPSK	135	138		24.93		26.0
100	PI/2 BPSK	270	0		24.92		
100	QPSK	1	1		25.44		26.5
100	QPSK	1	137		25.37		
100	QPSK	1	271		25.43		
100	QPSK	135	0		24.35		25.5
100	QPSK	135	69		25.35		26.5
100	QPSK	135	138		24.45		25.5
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.19		25.5
100	64QAM	1	1		22.95		24.0
100	256QAM	1	1		21.18		22.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	25.38	25.40	25.36	26.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	25.44	25.38	25.41	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.37	25.43	25.41	26.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	25.42	25.39	25.26	26.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	25.43	25.44	25.47	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.33	25.38	25.36	26.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	25.32	25.32	25.46	26.5

n41_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.76	24.70	24.68	
100	PI/2 BPSK	1	137	24.71	24.68	24.68	25.0
100	PI/2 BPSK	1	271	24.64	24.80	24.78	
100	PI/2 BPSK	135	0	24.74	24.58	24.55	
100	PI/2 BPSK	135	69	24.71	24.60	24.54	25.0
100	PI/2 BPSK	135	138	24.63	24.60	24.55	
100	PI/2 BPSK	270	0	24.70	24.64	24.61	
100	QPSK	1	1	24.76	24.67	24.58	25.5
100	QPSK	1	137	24.71	24.66	24.57	
100	QPSK	1	271	24.64	24.67	24.59	
100	QPSK	135	0	24.76	24.59	24.58	25.5
100	QPSK	135	69	24.70	24.55	24.50	
100	QPSK	135	138	24.64	24.57	24.57	
100	QPSK	270	0	24.71	24.66	24.60	25.5
100	16QAM	1	1	24.65	24.59	24.58	
100	64QAM	1	1	24.48	24.49	24.45	
100	256QAM	1	1	22.36	22.33	22.23	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.66	24.61	24.46	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.66	24.61	24.53	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.72	24.69	24.60	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.63	24.60	24.44	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.68	24.69	24.61	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.54	24.36	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.69	24.60	24.63	

n77_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.84	23.76	23.53	25.5
100	PI/2 BPSK	1	137	23.94	23.65	23.60	
100	PI/2 BPSK	1	271	23.91	23.72	23.50	
100	PI/2 BPSK	135	0	23.30	23.09	23.00	25.0
100	PI/2 BPSK	135	69	23.85	23.55	23.56	25.5
100	PI/2 BPSK	135	138	23.38	23.16	23.01	25.0
100	PI/2 BPSK	270	0	23.37	23.07	23.04	
100	QPSK	1	1	23.79	23.57	23.36	25.5
100	QPSK	1	137	23.89	23.56	23.32	
100	QPSK	1	271	23.88	23.68	23.49	
100	QPSK	135	0	23.28	22.59	22.36	24.5
100	QPSK	135	69	23.83	23.55	23.49	25.5
100	QPSK	135	138	23.35	22.62	22.51	24.5
100	QPSK	270	0	23.35	22.64	22.56	
100	16QAM	1	1	22.54	22.91	22.72	24.5
100	64QAM	1	1	21.32	21.25	21.06	23.0
100	256QAM	1	1	19.55	19.18	18.99	21.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.13	24.02	23.80	25.5
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.12	24.03	23.83	25.5

n77_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.72	24.64	24.43	26.0
100	PI/2 BPSK	1	137	24.80	24.53	24.49	
100	PI/2 BPSK	1	271	24.84	24.59	24.40	
100	PI/2 BPSK	135	0	24.23	24.03	23.92	25.5
100	PI/2 BPSK	135	69	24.77	24.48	24.30	26.0
100	PI/2 BPSK	135	138	24.28	24.07	24.05	25.5
100	PI/2 BPSK	270	0	24.23	23.97	23.93	
100	QPSK	1	1	24.67	24.47	24.30	26.0
100	QPSK	1	137	24.75	24.51	24.37	
100	QPSK	1	271	24.77	24.56	24.40	
100	QPSK	135	0	23.75	23.48	23.46	25.0
100	QPSK	135	69	24.74	24.50	24.43	26.0
100	QPSK	135	138	23.79	23.51	23.36	25.0
100	QPSK	270	0	23.79	23.45	23.38	
100	16QAM	1	1	23.89	23.70	23.67	25.0
100	64QAM	1	1	22.32	22.16	22.03	23.5
100	256QAM	1	1	20.27	20.06	19.90	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.72	24.63	24.42	26.0
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	
20	PI/2 BPSK	1	1	24.70	24.60	24.41	26.0

n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		23.54		25.5
100	PI/2 BPSK	1	137		23.50		
100	PI/2 BPSK	1	271		23.51		
100	PI/2 BPSK	135	0		23.07		25.0
100	PI/2 BPSK	135	69		23.50		25.5
100	PI/2 BPSK	135	138		23.14		25.0
100	PI/2 BPSK	270	0		23.08		
100	QPSK	1	1		23.50		25.5
100	QPSK	1	137		23.51		
100	QPSK	1	271		23.50		
100	QPSK	135	0		22.56		24.5
100	QPSK	135	69		23.54		25.5
100	QPSK	135	138		22.62		24.5
100	QPSK	270	0		22.56		
100	16QAM	1	1		22.39		24.5
100	64QAM	1	1		21.13		23.0
100	256QAM	1	1		19.34		21.0
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	23.42	23.50	23.49	25.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	23.59	23.63	23.57	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.63	23.60	23.57	25.5
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	23.62	23.62	23.63	25.5
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	23.55	23.63	23.59	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.44	23.59	23.50	25.5
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	23.53	23.50	23.49	25.5

n78_HPUE_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		24.91		
100	PI/2 BPSK	1	137		24.90		26.0
100	PI/2 BPSK	1	271		24.96		
100	PI/2 BPSK	135	0		24.37		25.5
100	PI/2 BPSK	135	69		24.87		26.0
100	PI/2 BPSK	135	138		24.40		25.5
100	PI/2 BPSK	270	0		24.40		
100	QPSK	1	1		24.93		
100	QPSK	1	137		24.90		26.0
100	QPSK	1	271		24.89		
100	QPSK	135	0		23.89		25.0
100	QPSK	135	69		24.87		26.0
100	QPSK	135	138		23.93		25.0
100	QPSK	270	0		23.86		
100	16QAM	1	1		23.64		25.0
100	64QAM	1	1		22.47		23.5
100	256QAM	1	1		20.68		21.5
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	
90	PI/2 BPSK	1	1	24.90	24.91	24.89	
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	
80	PI/2 BPSK	1	1	24.88	24.88	24.90	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.86	24.86	24.82	
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	
60	PI/2 BPSK	1	1	24.90	24.90	24.86	
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	
50	PI/2 BPSK	1	1	24.81	24.90	24.85	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.86	24.86	24.79	
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	
20	PI/2 BPSK	1	1	24.83	24.91	24.87	

2.4GHz WLAN							Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %		Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.70	20.00	100	19.50	20.00	100	19.60	20.00	19.40	20.00	22.51	23.0	100
		6	2437	19.50	20.00		19.60	20.00		19.90	20.00	19.40	20.00	22.67	23.0	
		11	2462	19.50	20.00		19.60	20.00		19.70	20.00	19.50	20.00	22.61	23.0	
	802.11g 6Mbps	1	2412	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		6	2437		20.00		20.00			20.00		20.00		20.5		
		11	2462		18.00		18.00			18.00		18.00		21.0		
	802.11n-HT20 MCS0	1	2412	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		6	2437		19.50		19.50			19.50		19.50		22.5		
		11	2462		16.00		16.00			16.00		16.00		19.0		
	802.11ac-VHT20 MCS0	1	2412	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		6	2437		19.50		19.50			19.50		19.50		22.5		
		11	2462		16.00		16.00			16.00		16.00		19.0		
		11	2462		16.00		16.00			16.00		16.00		19.0		

5GHz WLAN							Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %		Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		40	5200		17.50		17.50			17.50		17.50		20.5		
		44	5220		17.50		17.50			17.50		17.50		20.5		
		48	5240		17.50		17.50			17.50		17.50		20.5		
	802.11n-HT20 MCS0	36	5180	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		40	5200		17.50		17.50			17.50		17.50		20.5		
		44	5220		17.50		17.50			17.50		17.50		20.5		
		48	5240		17.50		17.50			17.50		17.50		20.5		
	802.11n-HT40 MCS0	38	5190	Not required	17.00	Not required	17.00	Not required	Not required	17.00	Not required	17.00	Not required	20.0	Not required	Not required
		46	5230		17.50		17.50			17.50		17.50		20.5		
		36	5180		17.50		17.50			17.50		17.50		20.5		
		40	5200		17.50		17.50			17.50		17.50		20.5		
	802.11ac-VHT20 MCS0	44	5220	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		48	5240		17.50		17.50			17.50		17.50		20.5		
		38	5190		17.00		17.00			17.00		17.00		20.0		
		46	5230		17.50		17.50			17.50		17.50		20.5		
	802.11ac-VHT40 MCS0	46	5230	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		42	5210		16.50		16.50			16.50		16.50		19.5		

5GHz WLAN							Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %		Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		56	5280		17.50		17.50			17.50		17.50		20.5		
		60	5300		17.50		17.50			17.50		17.50		20.5		
		64	5320		17.50		17.50			17.50		17.50		20.5		
	802.11n-HT20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		56	5280		17.50		17.50			17.50		17.50		20.5		
		60	5300		17.50		17.50			17.50		17.50		20.5		
		64	5320		17.50		17.50			17.50		17.50		20.5		
	802.11n-HT40 MCS0	54	5270	Not required	17.20	Not required	17.10	Not required	Not required	17.50	Not required	17.20	Not required	20.36	Not required	Not required
		62	5310		16.70		16.10			17.00		16.30		19.57		
	802.11ac-VHT20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		56	5280		17.50		17.50			17.50		17.50		20.5		
		60	5300		17.50		17.50			17.50		17.50		20.5		
		64	5320		17.50		17.50			17.50		17.50		20.5		
	802.11ac-VHT40 MCS0	54	5270	Not required	17.50	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	Not required
		62	5310		17.00		17.00			17.00		17.00		20.0		
	802.11ac-VHT80 MCS0	58	5290	Not required	16.00	Not required	16.00	Not required	Not required	16.00	Not required	16.00	Not required	19.0	Not required	Not required



5GHz WLAN	Ant 4						Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required
		116	5580		17.50			17.50			17.50		20.5			
		124	5620		17.50			17.50			17.50		20.5			
		132	5660		17.50			17.50			17.50		20.5			
		144	5720		17.50			17.50			17.50		20.5			
	802.11n-HT20 MCS0	100	5500	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required
		116	5580		17.50			17.50			17.50		20.5			
		124	5620		17.50			17.50			17.50		20.5			
		132	5660		17.50			17.50			17.50		20.5			
		144	5720		17.50			17.50			17.50		20.5			
	802.11n-HT40 MCS0	102	5510	15.70	16.00	95.88	15.30	16.00	95.30	15.60	16.00	15.90	16.00	18.76	19.0	95.37
		110	5550	17.20	17.50		16.60	17.50		17.40	17.50	16.80	17.50	20.12	20.5	
		126	5630	17.10	17.50		16.40	17.50		17.40	17.50	16.80	17.50	20.12	20.5	
		134	5670	17.30	17.50		16.60	17.50		17.50	17.50	16.70	17.50	20.13	20.5	
		142	5710	16.90	17.50		16.90	17.50		17.50	17.50	16.70	17.50	20.13	20.5	
	802.11ac-VHT20 MCS0	100	5500	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required
		116	5580		17.50			17.50			17.50		20.5			
		124	5620		17.50			17.50			17.50		20.5			
		132	5660		17.50			17.50			17.50		20.5			
		144	5720		17.50			17.50			17.50		20.5			
	802.11ac-VHT40 MCS0	102	5510	Not required	16.00	Not required	Not required	16.00	Not required	Not required	16.00	Not required	16.00	Not required	19.0	Not required
		110	5550		17.50			17.50			17.50		20.5			
		126	5630		17.50			17.50			17.50		20.5			
		134	5670		17.50			17.50			17.50		20.5			
		142	5710		17.50			17.50			17.50		20.5			
	802.11ac-VHT80 MCS0	106	5530	Not required	14.50	Not required	Not required	14.50	Not required	Not required	14.50	Not required	14.50	Not required	17.5	Not required
		122	5610		17.00			17.00			17.00		20.0			
		138	5690		17.00			17.00			17.00		20.0			

5GHz WLAN	Ant 4						Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.30	19.50	97.94	19.30	19.50	97.96	19.50	19.50	18.30	19.50	21.95	22.5	97.81
		157	5785	19.20	19.50		19.20	19.50		19.30	19.50	22.26	22.5			
		165	5825	19.20	19.50		19.00	19.50		22.11	22.5					
	802.11n-HT20 MCS0	149	5745	Not required	19.50	Not required	Not required	19.50	Not required	Not required	19.50	Not required	19.50	Not required	22.5	Not required
		157	5785		19.50			19.50			19.50		22.5			
		165	5825		19.50			19.50			19.50		22.5			
	802.11n-HT40 MCS0	151	5755	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required
		159	5795		17.50			17.50			17.50		20.5			
		149	5745		19.50			19.50			19.50		22.5			
	802.11ac-VHT20 MCS0	157	5785	Not required	19.50	Not required	Not required	19.50	Not required	Not required	19.50	Not required	19.50	Not required	22.5	Not required
		165	5825		19.50			19.50			19.50		22.5			
		151	5755		17.50			17.50			17.50		20.5			
	802.11ac-VHT40 MCS0	159	5795	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required
		155	5775		17.00			17.00			17.00		20.0			



2.4GHz WLAN							Ant 4			Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	15.70	16.00	100	18.80	19.00	100	17.80	18.00	100	17.60	18.00	19.90	20.00	21.99	22.1	100
		6	2437	15.90	16.00		18.90	19.00		17.90	18.00		17.90	18.00	19.90	20.00	21.85	22.1	
		11	2462	15.90	16.00		18.90	19.00		17.60	18.00		17.60	18.00	19.80	20.00	21.85	22.1	
	802.11g 6Mbps	1	2412	Not required	16.00	Not required	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	19.50	Not required	20.5	Not required
		6	2437		16.00			19.00			18.00			18.00		19.50		22.1	
		11	2462		16.00			18.00			18.00			18.00		19.50		21.0	
	802.11n-HT20 MCS0	1	2412		16.00			17.50			17.50			17.50		19.50		20.5	
		6	2437		16.00			19.00			18.00			18.00		19.50		21.8	
		11	2462		16.00			16.00			16.00			16.00		16.00		19.0	
	802.11ac-VHT20 MCS0	1	2412		16.00			17.50			17.50			17.50		19.50		20.5	
		6	2437		16.00			19.00			18.00			18.00		19.50		21.8	
		11	2462		16.00			16.00			16.00			16.00		16.00		19.0	

5GHz WLAN							Ant 4			Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not required	15.50	Not required	Not required	17.00	Not required	Not required	15.50	Not required	Not required	17.50	Not required	19.6	Not required	Not required	Not required
		40	5200		15.50			17.00			15.50			17.50		19.6			
		44	5220		15.50			17.00			15.50			17.50		19.6			
	802.11n-HT20 MCS0	48	5240		15.50			17.00			15.50			17.50		19.6			
		36	5180		15.50			17.00			15.50			17.50		19.6			
		40	5200		15.50			17.00			15.50			17.50		19.6			
	802.11n-HT40 MCS0	44	5220		15.50			17.00			15.50			17.50		19.6			
		48	5240		15.50			17.00			15.50			17.50		19.6			
		38	5190		15.50			17.00			15.50			17.00		19.3			
	802.11ac-VHT20 MCS0	46	5230		15.50			17.00			15.50			17.50		19.6			
		36	5180		15.50			17.00			15.50			17.50		19.6			
		40	5200		15.50			17.00			15.50			17.50		19.6			
	802.11ac-VHT40 MCS0	44	5220		15.50			17.00			15.50			17.50		19.6			
		48	5240		15.50			17.00			15.50			17.50		19.6			
		38	5190		15.50			17.00			15.50			17.00		19.3			
	802.11ac-VHT80 MCS0	46	5230		15.50			17.00			15.50			17.50		19.6			
		42	5210		15.50			16.50			15.50			16.50		19.0			

5GHz WLAN	Ant 4						Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not required	15.50	Not required	Not required	17.00	Not required	Not required	15.50	Not required	17.50	Not required	19.6	Not required	
		56	5280		15.50			17.00			15.50		17.50		19.6		
		60	5300		15.50			17.00			15.50		17.50		19.6		
		64	5320		15.50			17.00			15.50		17.50		19.6		
	802.11n-HT20 MCS0	52	5260		15.50			17.00			15.50		17.50		19.6		
		56	5280		15.50			17.00			15.50		17.50		19.6		
		60	5300		15.50			17.00			15.50		17.50		19.6		
		64	5320		15.50			17.00			15.50		17.50		19.6		
	802.11n-HT40 MCS0	54	5270		15.50		16.70	17.00	95.30	15.20	15.50	17.20	17.50	19.32	19.6	95.37	
		62	5310		15.50		16.10	17.00		15.20	15.50	16.90	17.00	19.14	19.3		
		52	5260		15.50		17.00	15.50		17.50	19.6						
	802.11ac-VHT20 MCS0	56	5280		15.50		Not required	Not required	Not required	17.00	Not required	15.50	Not required	17.50	Not required	19.6	Not required
		60	5300		15.50					17.00		15.50		17.50		19.6	
		64	5320		15.50					17.00		15.50		17.50		19.6	
		54	5270		15.50					17.00		15.50		17.50		19.6	
	802.11ac-VHT40 MCS0	62	5310		15.50					17.00		15.50		17.00		19.3	
		58	5290		15.50					92.11		16.00		18.8			



5GHz WLAN		Ant 4					Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not required	14.50	Not required	Not required	15.00	Not required	Not required	14.50	Not required	15.50	Not required	18.0	Not required
		116	5580		14.50			15.00			14.50		15.50		18.0	
		124	5620		14.50			15.00			14.50		15.50		18.0	
		132	5660		14.50			15.00			14.50		15.50		18.0	
		144	5720		14.50			15.00			14.50		15.50		18.0	
	802.11n-HT20 MCS0	100	5500		14.50			15.00			14.50		15.50		18.0	
		116	5580		14.50			15.00			14.50		15.50		18.0	
		124	5620		14.50			15.00			14.50		15.50		18.0	
		132	5660		14.50			15.00			14.50		15.50		18.0	
		144	5720		14.50			15.00			14.50		15.50		18.0	
	802.11n-HT40 MCS0	102	5510		14.50			15.00			14.50		15.50		18.0	
		110	5550		14.50			15.00			14.50		15.50		18.0	
		126	5630		14.50			15.00			14.50		15.50		18.0	
		134	5670		14.50			15.00			14.50		15.50		18.0	
		142	5710		14.50			15.00			14.50		15.50		18.0	
	802.11ac-VHT20 MCS0	100	5500		14.50			15.00			14.50		15.50		18.0	
		116	5580		14.50			15.00			14.50		15.50		18.0	
		124	5620		14.50			15.00			14.50		15.50		18.0	
		132	5660		14.50			15.00			14.50		15.50		18.0	
		144	5720		14.50			15.00			14.50		15.50		18.0	
	802.11ac-VHT40 MCS0	102	5510		14.50			15.00			14.50		15.50		18.0	
		110	5550		14.50			15.00			14.50		15.50		18.0	
		126	5630		14.50			15.00			14.50		15.50		18.0	
		134	5670		14.50			15.00			14.50		15.50		18.0	
		142	5710		14.50			15.00			14.50		15.50		18.0	
	802.11ac-VHT80 MCS0	106	5530	14.00	14.50	92.11	14.10	14.50	92.62	14.30	14.50	14.40	14.50	17.36	17.5	91.78
		122	5610	14.20	14.50		14.50	15.00		14.40	14.50	15.40	15.50	17.94	18.0	
		138	5690	14.20	14.50		14.60	15.00		14.40	14.50	15.10	15.50	17.77	18.0	

5GHz WLAN		Ant 4					Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not required	15.00	Not required	Not required	15.00	Not required	Not required	14.50	Not required	17.00	Not required	18.9	Not required
		157	5785		15.00			15.00			14.50		17.00		18.9	
		165	5825		15.00			15.00			14.50		17.00		18.9	
	802.11n-HT20 MCS0	149	5745		15.00			15.00			14.50		17.00		18.9	
		157	5785		15.00			15.00			14.50		17.00		18.9	
		165	5825		15.00			15.00			14.50		17.00		18.9	
	802.11n-HT40 MCS0	151	5755		15.00			15.00			14.50		17.00		18.9	
		159	5795		15.00			15.00			14.50		17.00		18.9	
		167	5835		15.00			15.00			14.50		17.00		18.9	
	802.11ac-VHT20 MCS0	149	5745		15.00			15.00			14.50		17.00		18.9	
		157	5785		15.00			15.00			14.50		17.00		18.9	
		165	5825		15.00			15.00			14.50		17.00		18.9	
	802.11ac-VHT40 MCS0	151	5755		15.00			15.00			14.50		17.00		18.9	
		159	5795		15.00			15.00			14.50		17.00		18.9	
		167	5835		15.00			15.00			14.50		17.00		18.9	
	802.11ac-VHT80 MCS0	155	5775	14.70	15.00	92.11	14.70	15.00	92.62	14.50	14.50	16.60	17.00	18.69	18.9	91.78



2.4GHz WLAN							Ant 4			Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.70	20.00	100	19.50	20.00	100	19.60	20.00	100	19.60	20.00	19.40	20.00	22.51	23.0	100
		6	2437	19.50	20.00		19.60	20.00		19.90	20.00		19.90	20.00	19.40	20.00	22.67	23.0	
		11	2462	19.50	20.00		19.60	20.00		19.70	20.00		19.70	20.00	19.50	20.00	22.61	23.0	
	802.11g 6Mbps	1	2412	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	20.5
		6	2437		20.00			20.00			20.00			20.00			20.00		23.0
		11	2462		18.00			18.00			18.00			18.00			18.00		21.0
	802.11n-HT20 MCS0	1	2412		17.50			17.50			17.50			17.50			17.50		20.5
		6	2437		19.50			19.50			19.50			19.50			19.50		22.5
		11	2462		16.00			16.00			16.00			16.00			16.00		19.0
	802.11ac-VHT20 MCS0	1	2412		17.50			17.50			17.50			17.50			17.50		20.5
		6	2437		19.50			19.50			19.50			19.50			19.50		22.5
		11	2462		16.00			16.00			16.00			16.00			16.00		19.0

5GHz WLAN	Ant 4						Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required			
		40	5200		17.50			17.50			17.50		20.5						
		44	5220		17.50			17.50			17.50		20.5						
		48	5240		17.50			17.50			17.50		20.5						
	802.11n-HT20 MCS0	36	5180		17.50	Not required		17.50	Not required		17.50	Not required	17.50	Not required	17.50		Not required	20.5	
		40	5200		17.50			17.50			17.50		20.5						
		44	5220		17.50			17.50			17.50		20.5						
		48	5240		17.50			17.50			17.50		20.5						
	802.11n-HT40 MCS0	38	5190	16.60	17.00	95.88	16.40	17.00	95.30	17.00	17.00	16.10	17.00	19.58	20.0	95.37			
		46	5230	17.10	17.50		16.90	17.50		17.40	17.50	16.80	17.50	20.12	20.5				
	802.11ac-VHT20 MCS0	36	5180	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	17.50	Not required	20.5		
		40	5200		17.50			17.50			17.50		17.50		20.5				
		44	5220		17.50			17.50			17.50		17.50		20.5				
		48	5240		17.50			17.50			17.50		17.50		20.5				
	802.11ac-VHT40 MCS0	38	5190		17.00	Not required		17.00	Not required		17.00	Not required	17.00	Not required	17.00	Not required	20.0		
		46	5230		17.50			17.50			17.50		17.50		20.5				
	802.11ac-VHT80 MCS0	42	5210		16.50			16.50			16.50		16.50		19.5				

5GHz WLAN		Ant 4						Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required						
		56	5280		17.50			17.50			17.50		20.5									
		60	5300		17.50			17.50			17.50		20.5									
		64	5320		17.50			17.50			17.50		20.5									
	802.11n-HT20 MCS0	52	5260		17.50	Not required		17.50	Not required		17.50	Not required	17.50	Not required	17.50		Not required	20.5				
		56	5280		17.50			17.50			17.50		20.5									
		60	5300		17.50			17.50			17.50		20.5									
		64	5320		17.50			17.50			17.50		20.5									
	802.11n-HT40 MCS0	54	5270	17.20	17.50	95.88	17.10	17.50	95.30	17.50	17.50	17.20	17.50	20.36	20.5	95.37						
		62	5310	16.70	17.00		16.10	17.00		16.80	17.00	16.30	17.00	19.57	20.0							
		52	5260	17.50	17.50		17.50	17.50		17.50	17.50	17.50	17.50	20.5								
	802.11ac-VHT20 MCS0	56	5280	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	Not required	17.50	Not required	20.5						
		60	5300		17.50			17.50			17.50			17.50		17.50	20.5					
		64	5320		17.50			17.50			17.50			17.50		17.50	20.5					
	802.11ac-VHT40 MCS0	54	5270		17.50			Not required			17.50			Not required		17.50	Not required	17.50	Not required	17.50	Not required	20.5
		62	5310		17.00						17.00					17.00		17.00		17.00		20.0
		58	5290		16.00						16.00					16.00		16.00		16.00		19.0



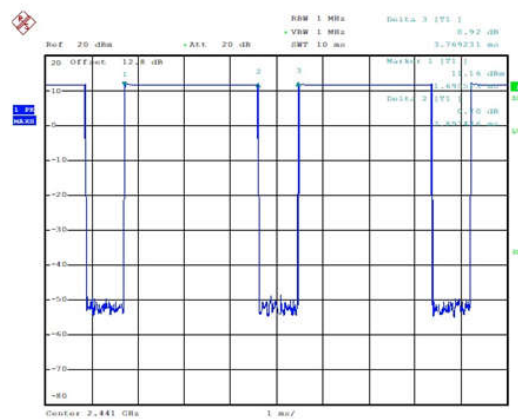
5GHz WLAN	Ant 4						Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not required	17.50	Not required	Not required	15.00	Not required	Not required	17.50	Not required	17.50	Not required	20.5	Not required	
		116	5580		15.00			17.50			20.5						
		124	5620		15.00			17.50			20.5						
		132	5660		15.00			17.50			20.5						
		144	5720		15.00			17.50			20.5						
	802.11n-HT20 MCS0	100	5500	17.50	15.00	17.50		20.5									
		116	5580	17.50	15.00	17.50		20.5									
		124	5620	17.50	15.00	17.50		20.5									
		132	5660	17.50	15.00	17.50		20.5									
		144	5720	17.50	15.00	17.50		20.5									
	802.11n-HT40 MCS0	102	5510	15.70	16.00	15.00		15.60			16.00	15.90	16.00	18.76	19.0		95.37
		110	5550	17.20	17.50	15.00		17.40			17.50	16.80	17.50	20.12	20.5		
		126	5630	17.10	17.50	15.00		17.40			17.50	16.80	17.50	20.12	20.5		
		134	5670	17.30	17.50	15.00		17.50			17.50	16.70	17.50	20.13	20.5		
		142	5710	16.90	17.50	15.00		17.50			17.50	16.70	17.50	20.13	20.5		
	802.11ac-VHT20 MCS0	100	5500	Not required	17.50	15.00		Not required			17.50	Not required	17.50	Not required	20.5		Not required
		116	5580		17.50	15.00					17.50		20.5				
		124	5620		17.50	15.00					17.50		20.5				
		132	5660		17.50	15.00					17.50		20.5				
		144	5720		17.50	15.00					17.50		20.5				
	802.11ac-VHT40 MCS0	102	5510	Not required	16.00	15.00	16.00		17.50	16.00	17.50		19.0		Not required		
		110	5550		17.50	15.00	17.50		20.5								
		126	5630		17.50	15.00	17.50		20.5								
		134	5670		17.50	15.00	17.50		20.5								
		142	5710		17.50	15.00	17.50		20.5								
	802.11ac-VHT80 MCS0	106	5530	Not required	14.50	14.50	92.62		14.50	14.50	14.50		17.5				
		122	5610		14.50	15.00			17.00	20.0							
		138	5690		14.60	15.00			17.00	20.0							

5GHz WLAN	Ant 4						Ant 3			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.30	19.50	97.94	Not required	17.50	Not required	Not required	19.50	19.50	18.30	19.50	21.95	22.5	97.81
		157	5785	19.20	19.50			17.50			19.20	19.50	19.30	19.50	22.26	22.5	
		165	5825	19.20	19.50			17.50			19.20	19.50	19.00	19.50	22.11	22.5	
	802.11n-HT20 MCS0	149	5745	Not required	19.50	Not required		17.50			Not required	19.50	Not required	19.50	Not required	22.5	Not required
		157	5785		19.50			17.50				19.50		22.5			
		165	5825		19.50			17.50				19.50		22.5			
	802.11n-HT40 MCS0	151	5755	Not required	17.20	17.50	95.30	17.50	17.50	20.5							
		159	5795		17.30	17.50		17.50	17.50	20.5							
	802.11ac-VHT20 MCS0	149	5745	Not required	19.50	Not required	Not required	17.50	Not required	19.50	Not required	19.50	Not required	22.5	Not required		
		157	5785		19.50			17.50		19.50		22.5					
		165	5825		19.50			17.50		19.50		22.5					
	802.11ac-VHT40 MCS0	151	5755	Not required	17.50	Not required	Not required	17.50	Not required	17.50	Not required	17.50	Not required	20.5	Not required		
		159	5795		17.50			17.50		17.50		20.5					
	802.11ac-VHT80 MCS0	155	5775	17.00	17.00	17.00	20.0										

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	17.75	17.95	17.85
	CH 39	2441	17.98	17.23	17.21
	CH 78	2480	17.26	16.55	16.44
Tune-up Limit			18.00	18.00	18.00

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	17.60	17.40
	CH 19	2440	17.90	17.70
	CH 39	2480	17.60	17.40
Tune-up Limit			18.00	18.00

BT Duty cycle



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Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	13.20	12.50	12.20
	CH 39	2441	13.90	13.10	12.70
	CH 78	2480	14.30	13.70	13.40
Tune-up Limit			14.50	14.50	14.50

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	13.30	13.20
	CH 19	2440	13.80	13.60
	CH 39	2480	13.90	13.80
Tune-up Limit			14.5	14.5

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	17.75	17.95	17.85
	CH 39	2441	17.98	17.23	17.21
	CH 78	2480	17.26	16.55	16.44
Tune-up Limit			18.00	18.00	18.00

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	17.60	17.40
	CH 19	2440	17.90	17.70
	CH 39	2480	17.60	17.40
Tune-up Limit			18.00	18.00