

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	32.58	32.43	32.39	33.50	23.58	23.43	23.39	24.50
GPRS 1 Tx slot	32.61	32.50	32.40	33.50	23.61	23.50	23.40	24.50
GPRS 2 Tx slots	32.28	32.05	31.83	32.50	26.28	26.05	25.83	26.50
GPRS 3 Tx slots	30.80	30.43	30.05	31.50	26.54	26.17	25.79	27.24
GPRS 4 Tx slots	29.75	29.83	29.53	30.50	26.75	26.83	26.53	27.50
EDGE 1 Tx slot	27.47	27.56	27.26	28.00	18.47	18.56	18.26	19.00
EDGE 2 Tx slots	26.96	26.89	26.85	27.50	20.96	20.89	20.85	21.50
EDGE 3 Tx slots	26.89	26.90	26.88	27.50	22.63	22.64	22.62	23.24
EDGE 4 Tx slots	24.92	24.98	24.63	25.50	21.92	21.98	21.63	22.50
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	30.38	30.33	30.21	31.00	21.38	21.33	21.21	22.00
GPRS 1 Tx slot	30.43	30.39	30.23	31.00	21.43	21.39	21.23	22.00
GPRS 2 Tx slots	28.87	28.70	28.51	29.50	22.87	22.70	22.51	23.50
GPRS 3 Tx slots	28.15	28.07	28.10	29.00	23.89	23.81	23.84	24.74
GPRS 4 Tx slots	27.23	27.01	26.86	28.00	24.23	24.01	23.86	25.00
EDGE 1 Tx slot	25.35	25.17	25.26	26.00	16.35	16.17	16.26	17.00
EDGE 2 Tx slots	24.36	23.98	24.14	25.00	18.36	17.98	18.14	19.00
EDGE 3 Tx slots	24.09	23.92	23.92	25.00	19.83	19.66	19.66	20.74
EDGE 4 Tx slots	22.94	22.34	22.52	24.00	19.94	19.34	19.52	21.00

GSM1900	Burst Average Power (dBm)			Ant 2				
	512	661	810	Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	Frequency (MHz)	1850.2	1880		512	661	810	
		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM 1 Tx slot	29.38	29.33	29.21	30.30	20.38	20.33	20.21	21.30
GPRS 1 Tx slot	29.43	29.39	29.23	30.30	20.43	20.39	20.23	21.30
GPRS 2 Tx slots	26.36	26.37	26.23	27.30	20.36	20.37	20.23	21.30
GPRS 3 Tx slots	25.02	25.02	25.04	25.50	20.76	20.76	20.78	21.24
GPRS 4 Tx slots	24.30	24.10	23.80	24.30	21.30	21.10	20.80	21.30
EDGE 1 Tx slot	25.35	25.17	25.26	26.00	16.35	16.17	16.26	17.00
EDGE 2 Tx slots	24.36	23.98	24.14	25.00	18.36	17.98	18.14	19.00
EDGE 3 Tx slots	24.09	23.92	23.92	25.00	19.83	19.66	19.66	20.74
EDGE 4 Tx slots	22.94	22.34	22.52	24.00	19.94	19.34	19.52	21.00

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	29.94	29.92	29.91	31.00	20.94	20.92	20.91	22.00
GPRS 1 Tx slot	29.96	29.93	29.92	31.00	20.96	20.93	20.92	22.00
GPRS 2 Tx slots	26.83	26.94	26.96	28.50	20.83	20.94	20.96	22.50
GPRS 3 Tx slots	25.12	25.15	25.11	26.70	20.86	20.89	20.85	22.44
GPRS 4 Tx slots	24.30	24.29	24.00	25.50	21.30	21.29	21.00	22.50
EDGE 1 Tx slot	25.35	25.08	25.21	26.00	16.35	16.08	16.21	17.00
EDGE 2 Tx slots	24.32	23.92	24.09	25.00	18.32	17.92	18.09	19.00
EDGE 3 Tx slots	24.00	23.86	23.85	25.00	19.74	19.60	19.59	20.74
EDGE 4 Tx slots	22.94	22.32	22.47	24.00	19.94	19.32	19.47	21.00

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	29.94	29.92	29.91	30.30	20.94	20.92	20.91	21.30
GPRS 1 Tx slot	29.96	29.93	29.92	30.30	20.96	20.93	20.92	21.30
GPRS 2 Tx slots	26.83	26.94	26.96	27.30	20.83	20.94	20.96	21.30
GPRS 3 Tx slots	25.12	25.15	25.11	25.50	20.86	20.89	20.85	21.24
GPRS 4 Tx slots	24.30	24.29	24.00	24.30	21.30	21.29	21.00	21.30
EDGE 1 Tx slot	25.35	25.08	25.21	26.00	16.35	16.08	16.21	17.00
EDGE 2 Tx slots	24.32	23.92	24.09	25.00	18.32	17.92	18.09	19.00
EDGE 3 Tx slots	24.00	23.86	23.85	25.00	19.74	19.60	19.59	20.74
EDGE 4 Tx slots	22.94	22.32	22.47	24.00	19.94	19.32	19.47	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	32.52	32.57	32.67	33.90	23.52	23.57	23.67	24.90
GPRS 1 Tx slot	32.56	32.58	32.68	33.90	23.56	23.58	23.68	24.90
GPRS 2 Tx slots	31.72	31.53	31.36	32.40	25.72	25.53	25.36	26.40
GPRS 3 Tx slots	29.99	29.82	29.54	31.40	25.73	25.56	25.28	27.14
GPRS 4 Tx slots	29.16	28.69	28.42	30.40	26.16	25.69	25.42	27.40
EDGE 1 Tx slot	26.87	26.78	26.70	27.90	17.87	17.78	17.70	18.90
EDGE 2 Tx slots	26.19	26.32	26.38	27.40	20.19	20.32	20.38	21.40
EDGE 3 Tx slots	26.06	26.13	26.21	27.40	21.80	21.87	21.95	23.14
EDGE 4 Tx slots	23.97	24.16	23.91	25.40	20.97	21.16	20.91	22.40
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	29.93	29.87	29.83	30.70	20.93	20.87	20.83	21.70
GPRS 1 Tx slot	29.98	29.92	29.86	30.70	20.98	20.92	20.86	21.70
GPRS 2 Tx slots	28.24	28.34	28.37	29.20	22.24	22.34	22.37	23.20
GPRS 3 Tx slots	27.64	27.89	27.77	28.70	23.38	23.63	23.51	24.44
GPRS 4 Tx slots	26.71	26.78	26.60	27.70	23.71	23.78	23.60	24.70
EDGE 1 Tx slot	24.99	24.96	25.09	25.70	15.99	15.96	16.09	16.70
EDGE 2 Tx slots	23.95	24.08	24.18	24.70	17.95	18.08	18.18	18.70
EDGE 3 Tx slots	23.75	23.85	23.89	24.70	19.49	19.59	19.63	20.44
EDGE 4 Tx slots	22.52	22.34	22.54	23.70	19.52	19.34	19.54	20.70

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	32.51	32.50	32.56	33.90	23.51	23.50	23.56	24.90
GPRS 1 Tx slot	32.52	32.56	32.53	33.90	23.52	23.56	23.53	24.90
GPRS 2 Tx slots	29.90	29.98	29.92	31.30	23.90	23.98	23.92	25.30
GPRS 3 Tx slots	28.21	28.23	28.20	29.50	23.95	23.97	23.94	25.24
GPRS 4 Tx slots	26.76	26.57	26.85	28.30	23.76	23.57	23.85	25.30
EDGE 1 Tx slot	26.84	26.74	26.65	27.90	17.84	17.74	17.65	18.90
EDGE 2 Tx slots	26.09	26.27	26.34	27.40	20.09	20.27	20.34	21.40
EDGE 3 Tx slots	26.04	26.12	26.18	27.40	21.78	21.86	21.92	23.14
EDGE 4 Tx slots	23.90	24.10	23.88	25.40	20.90	21.10	20.88	22.40

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	32.51	32.50	32.56	33.10	23.51	23.50	23.56	24.10
GPRS 1 Tx slot	32.52	32.56	32.53	33.10	23.52	23.56	23.53	24.10
GPRS 2 Tx slots	29.90	29.98	29.92	30.10	23.90	23.98	23.92	24.10
GPRS 3 Tx slots	28.21	28.23	28.20	28.30	23.95	23.97	23.94	24.04
GPRS 4 Tx slots	26.76	26.57	26.85	27.10	23.76	23.57	23.85	24.10
EDGE 1 Tx slot	26.84	26.74	26.65	27.90	17.84	17.74	17.65	18.90
EDGE 2 Tx slots	26.09	26.27	26.34	27.40	20.09	20.27	20.34	21.40
EDGE 3 Tx slots	26.04	26.12	26.18	27.40	21.78	21.86	21.92	23.14
EDGE 4 Tx slots	23.90	24.10	23.88	25.40	20.90	21.10	20.88	22.40

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	29.93	29.87	29.83	30.70	20.93	20.87	20.83	21.70
GPRS 1 Tx slot	29.98	29.92	29.86	30.70	20.98	20.92	20.86	21.70
GPRS 2 Tx slots	28.24	28.34	28.37	29.20	22.24	22.34	22.37	23.20
GPRS 3 Tx slots	27.44	27.43	27.42	27.50	23.18	23.17	23.16	23.24
GPRS 4 Tx slots	26.26	26.26	26.30	26.30	23.26	23.26	23.30	23.30
EDGE 1 Tx slot	24.99	24.96	25.09	25.70	15.99	15.96	16.09	16.70
EDGE 2 Tx slots	23.95	24.08	24.18	24.70	17.95	18.08	18.18	18.70
EDGE 3 Tx slots	23.75	23.85	23.89	24.70	19.49	19.59	19.63	20.44
EDGE 4 Tx slots	22.52	22.34	22.54	23.70	19.52	19.34	19.54	20.70

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	29.93	29.87	29.83	30.70	20.93	20.87	20.83	21.70
GPRS 1 Tx slot	29.98	29.92	29.86	30.70	20.98	20.92	20.86	21.70
GPRS 2 Tx slots	28.24	28.34	28.37	29.20	22.24	22.34	22.37	23.20
GPRS 3 Tx slots	27.44	27.43	27.42	28.70	23.18	23.17	23.16	24.44
GPRS 4 Tx slots	26.26	26.26	26.30	27.70	23.26	23.26	23.30	24.70
EDGE 1 Tx slot	24.99	24.96	25.09	25.70	15.99	15.96	16.09	16.70
EDGE 2 Tx slots	23.95	24.08	24.18	24.70	17.95	18.08	18.18	18.70
EDGE 3 Tx slots	23.75	23.85	23.89	24.70	19.49	19.59	19.63	20.44
EDGE 4 Tx slots	22.52	22.34	22.54	23.70	19.52	19.34	19.54	20.70

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	29.93	29.87	29.83	30.70	20.93	20.87	20.83	21.70
GPRS 1 Tx slot	29.98	29.92	29.86	30.70	20.98	20.92	20.86	21.70
GPRS 2 Tx slots	28.24	28.34	28.37	29.20	22.24	22.34	22.37	23.20
GPRS 3 Tx slots	27.44	27.43	27.42	27.70	23.18	23.17	23.16	23.44
GPRS 4 Tx slots	26.26	26.26	26.30	26.50	23.26	23.26	23.30	23.50
EDGE 1 Tx slot	24.99	24.96	25.09	25.70	15.99	15.96	16.09	16.70
EDGE 2 Tx slots	23.95	24.08	24.18	24.70	17.95	18.08	18.18	18.70
EDGE 3 Tx slots	23.75	23.85	23.89	24.70	19.49	19.59	19.63	20.44
EDGE 4 Tx slots	22.52	22.34	22.54	23.70	19.52	19.34	19.54	20.70

		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	24.81	24.65	24.75		25.00	24.62	24.60		24.62	25.00	24.72	
3GPP Rel 99	RMC 12.2Kbps	24.82	24.65	24.75	25.00	24.62	24.60	24.63	25.00	24.73	24.72	24.64	25.00
3GPP Rel 6	HSDPA Subtest-1	24.81	24.81	24.53	25.00	24.58	24.57	24.33	25.00	24.67	24.68	24.67	25.00
3GPP Rel 6	HSDPA Subtest-2	24.47	24.64	24.65	25.00	24.28	24.59	24.55	25.00	24.65	24.71	24.70	25.00
3GPP Rel 6	HSDPA Subtest-3	24.35	24.33	24.81	25.00	24.27	24.24	24.60	25.00	24.26	24.39	24.34	25.00
3GPP Rel 6	HSDPA Subtest-4	24.78	24.46	24.47	25.00	24.60	24.34	24.38	25.00	24.25	24.38	24.30	25.00
3GPP Rel 6	HSUPA Subtest-1	23.77	23.61	23.67	25.00	23.58	23.54	23.60	25.00	24.35	24.25	24.33	25.00
3GPP Rel 6	HSUPA Subtest-2	23.47	23.32	23.40	24.00	23.33	23.24	23.33	24.00	23.51	23.52	23.51	24.00
3GPP Rel 6	HSUPA Subtest-3	23.82	23.65	23.73	24.00	23.59	23.52	23.60	24.00	23.59	23.65	23.56	24.00
3GPP Rel 6	HSUPA Subtest-4	23.45	23.35	23.46	24.00	23.36	23.26	23.34	24.00	23.55	23.56	23.53	24.00
3GPP Rel 6	HSUPA Subtest-5	24.70	24.60	24.60	25.00	24.60	24.60	24.60	25.00	24.70	24.69	24.70	25.00

		Ant 2			Ant 2			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV		
TX Channel		9262	9400	9538		1312	1413	1513
Rx Channel		9662	9800	9938		1537	1638	1738
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	21.06	20.96	20.99	21.20	22.15	22.18	22.24
3GPP Rel 99	RMC 12.2Kbps	21.10	20.97	21.00	21.20	22.17	22.19	22.25
3GPP Rel 6	HSDPA Subtest-1	21.08	21.06	20.77	21.20	21.11	21.16	21.04
3GPP Rel 6	HSDPA Subtest-2	20.70	20.84	20.86	21.20	21.11	21.14	21.25
3GPP Rel 6	HSDPA Subtest-3	20.56	20.56	21.05	21.20	21.02	21.03	21.36
3GPP Rel 6	HSDPA Subtest-4	20.98	20.70	20.77	21.20	21.11	21.11	21.10
3GPP Rel 6	HSUPA Subtest-1	20.00	19.89	19.94	20.20	21.05	21.06	21.09
3GPP Rel 6	HSUPA Subtest-2	19.77	19.52	19.69	20.10	20.11	20.13	20.13
3GPP Rel 6	HSUPA Subtest-3	20.02	19.86	20.03	20.20	21.11	21.15	21.23
3GPP Rel 6	HSUPA Subtest-4	19.73	19.55	19.67	20.10	20.11	20.15	20.14
3GPP Rel 6	HSUPA Subtest-5	20.95	20.87	20.80	21.20	21.11	21.11	21.30

		Ant 2			Ant 2			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV		
TX Channel		9262	9400	9538		1312	1413	1513
Rx Channel		9662	9800	9938		1537	1638	1738
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	21.35	21.30	21.30	22.60	22.73	22.71	22.79
3GPP Rel 99	RMC 12.2Kbps	21.37	21.32	21.30	22.60	22.75	22.72	22.80
3GPP Rel 6	HSDPA Subtest-1	21.31	21.22	21.22	22.60	22.68	22.62	22.77
3GPP Rel 6	HSDPA Subtest-2	21.34	21.17	21.22	22.60	22.70	22.62	22.70
3GPP Rel 6	HSDPA Subtest-3	21.35	21.14	21.28	22.60	22.71	22.65	22.76
3GPP Rel 6	HSDPA Subtest-4	21.34	21.13	21.24	22.60	22.73	22.66	22.78
3GPP Rel 6	HSUPA Subtest-1	21.28	21.19	21.21	22.60	22.74	22.62	22.74
3GPP Rel 6	HSUPA Subtest-2	20.40	20.31	20.40	21.60	21.80	21.75	21.80
3GPP Rel 6	HSUPA Subtest-3	20.39	20.32	20.37	21.60	21.78	21.78	21.80
3GPP Rel 6	HSUPA Subtest-4	20.40	20.29	20.34	21.60	21.80	21.75	21.80
3GPP Rel 6	HSUPA Subtest-5	21.28	21.17	21.22	22.60	22.75	22.72	22.70

Band		Ant 2			Tune-up Limit (dBm)	Ant 2			Tune-up Limit (dBm)
		WCDMA II				WCDMA IV			
TX Channel		9262	9400	9538	1537	1312	1413	1513	1738
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.35	21.30	21.30	21.40	22.73	22.71	22.79	22.80
3GPP Rel 99	RMC 12.2Kbps	21.37	21.32	21.30	21.40	22.75	22.72	22.80	22.80
3GPP Rel 6	HSDPA Subtest-1	21.31	21.22	21.22	21.40	22.68	22.62	22.77	22.80
3GPP Rel 6	HSDPA Subtest-2	21.34	21.17	21.22	21.40	22.70	22.62	22.70	22.80
3GPP Rel 6	HSDPA Subtest-3	21.35	21.14	21.28	21.40	22.71	22.65	22.76	22.80
3GPP Rel 6	HSDPA Subtest-4	21.34	21.13	21.24	21.40	22.73	22.66	22.78	22.80
3GPP Rel 6	HSUPA Subtest-1	21.28	21.19	21.21	21.40	22.74	22.62	22.74	22.80
3GPP Rel 6	HSUPA Subtest-2	20.40	20.31	20.40	20.40	21.80	21.75	21.80	21.80
3GPP Rel 6	HSUPA Subtest-3	20.39	20.32	20.37	20.40	21.78	21.78	21.80	21.80
3GPP Rel 6	HSUPA Subtest-4	20.40	20.29	20.34	20.40	21.80	21.75	21.80	21.80
3GPP Rel 6	HSUPA Subtest-5	21.28	21.17	21.22	21.40	22.75	22.72	22.70	22.80

Band		Ant 0			Tune-up Limit (dBm)	Ant 0			Tune-up Limit (dBm)	Ant 1			Tune-up Limit (dBm)
		WCDMA II				WCDMA IV				WCDMA V			
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233 <td rowspan="3"></td>	
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	24.34	24.22	24.33	24.70	24.07	24.05	24.11	24.70	24.55	24.51	24.40	24.90
3GPP Rel 99	RMC 12.2Kbps	24.35	24.25	24.34	24.70	24.08	24.08	24.14	24.70	24.56	24.58	24.43	24.90
3GPP Rel 6	HSDPA Subtest-1	24.28	24.27	24.31	24.70	24.12	24.10	24.11	24.70	24.53	24.55	24.51	24.90
3GPP Rel 6	HSDPA Subtest-2	24.30	24.26	24.27	24.70	22.90	24.04	24.10	24.70	24.47	24.56	24.48	24.90
3GPP Rel 6	HSDPA Subtest-3	24.07	23.99	24.02	24.70	23.81	23.81	23.91	24.70	24.10	24.19	24.08	24.90
3GPP Rel 6	HSDPA Subtest-4	23.61	23.53	23.59	24.70	22.90	23.85	23.91	24.70	23.58	23.71	23.60	24.90
3GPP Rel 6	HSUPA Subtest-1	23.39	23.19	23.28	24.70	23.01	22.90	22.94	24.70	23.40	23.45	23.40	24.90
3GPP Rel 6	HSUPA Subtest-2	23.09	22.99	22.98	23.70	22.90	22.81	22.84	23.70	22.53	22.53	22.52	23.90
3GPP Rel 6	HSUPA Subtest-3	23.45	23.25	23.33	23.70	23.25	23.13	23.18	23.70	23.44	23.42	23.41	23.90
3GPP Rel 6	HSUPA Subtest-4	23.10	23.11	23.10	23.70	22.92	22.94	22.91	23.70	22.45	22.47	22.44	23.90
3GPP Rel 6	HSUPA Subtest-5	24.00	24.01	23.92	24.70	23.84	23.91	23.75	24.70	24.33	24.35	24.50	24.90

		Ant 0			Tune-up Limit (dBm)
Band		WCDMA II			
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.36	22.19	22.35	22.60
3GPP Rel 99	RMC 12.2Kbps	22.38	22.20	22.37	22.60
3GPP Rel 6	HSDPA Subtest-1	22.22	22.23	22.21	22.60
3GPP Rel 6	HSDPA Subtest-2	22.25	22.20	22.24	22.60
3GPP Rel 6	HSDPA Subtest-3	21.98	21.92	21.94	22.60
3GPP Rel 6	HSDPA Subtest-4	21.59	21.46	21.53	22.60
3GPP Rel 6	HSUPA Subtest-1	21.32	21.33	21.35	22.60
3GPP Rel 6	HSUPA Subtest-2	21.13	21.12	21.18	22.60
3GPP Rel 6	HSUPA Subtest-3	21.38	21.25	21.24	21.60
3GPP Rel 6	HSUPA Subtest-4	21.35	21.36	21.31	21.60
3GPP Rel 6	HSUPA Subtest-5	22.16	22.11	22.02	22.60

		Ant 0			Tune-up Limit (dBm)
Band		WCDMA II			
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.69	22.66	22.65	23.90
3GPP Rel 99	RMC 12.2Kbps	22.70	22.69	22.69	23.90
3GPP Rel 6	HSDPA Subtest-1	22.53	22.54	22.62	23.90
3GPP Rel 6	HSDPA Subtest-2	22.52	22.56	22.60	23.90
3GPP Rel 6	HSDPA Subtest-3	22.44	22.25	22.27	23.90
3GPP Rel 6	HSDPA Subtest-4	22.19	22.12	22.14	23.90
3GPP Rel 6	HSUPA Subtest-1	22.03	22.13	22.11	23.90
3GPP Rel 6	HSUPA Subtest-2	21.40	21.28	21.27	22.90
3GPP Rel 6	HSUPA Subtest-3	21.60	21.55	21.69	22.90
3GPP Rel 6	HSUPA Subtest-4	21.41	21.47	21.35	22.90
3GPP Rel 6	HSUPA Subtest-5	22.28	22.36	22.19	23.90

		Ant 0			Tune-up Limit (dBm)
Band		WCDMA II			
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.69	22.66	22.65	22.70
3GPP Rel 99	RMC 12.2Kbps	22.70	22.69	22.69	22.70
3GPP Rel 6	HSDPA Subtest-1	22.53	22.54	22.62	22.70
3GPP Rel 6	HSDPA Subtest-2	22.52	22.56	22.60	22.70
3GPP Rel 6	HSDPA Subtest-3	22.44	22.25	22.27	22.70
3GPP Rel 6	HSDPA Subtest-4	22.19	22.12	22.14	22.70
3GPP Rel 6	HSUPA Subtest-1	22.03	22.13	22.11	22.70
3GPP Rel 6	HSUPA Subtest-2	21.40	21.28	21.27	21.70
3GPP Rel 6	HSUPA Subtest-3	21.60	21.55	21.69	21.70
3GPP Rel 6	HSUPA Subtest-4	21.41	21.47	21.35	21.70
3GPP Rel 6	HSUPA Subtest-5	22.28	22.36	22.19	22.70

Band 2_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Time-to- sync (ms)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.21	24.21	24.32			25	
20	QPSK	1	49	24.20	24.19	24.24				
20	QPSK	1	99	24.14	24.20	24.27				
20	QPSK	50	0	23.28	23.31	23.34				
20	QPSK	50	24	23.31	23.32	23.38			24	
20	QPSK	50	50	23.25	23.29	23.37				
20	QPSK	100	0	23.28	23.31	23.37				
20	HQDM	1	0	23.28	23.32	23.44				
20	HQDM	1	49	23.24	23.48	23.50			24	
20	HQDM	1	99	23.13	23.43	23.68				
20	HQDM	50	0	22.27	22.34	22.33				
20	HQDM	50	24	22.27	22.30	22.37				
20	HQDM	50	50	22.24	22.29	22.36			23	
20	HQDM	100	0	22.24	22.29	22.33				
20	HQDM	1	0	22.21	22.45	22.35				
20	HQDM	1	49	22.17	22.46	22.44				
20	HQDM	1	99	22.11	22.38	22.43			23	
20	HQDM	50	0	21.27	21.31	21.34				
20	HQDM	50	24	21.26	21.33	21.38				
20	HQDM	50	50	21.25	21.30	21.39				
20	HQDM	100	0	19.25	19.30	19.27			20	
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.21	24.24	24.18				25
15	QPSK	1	37	23.99	24.07	24.10				
15	QPSK	1	74	24.19	24.24	24.32				
15	QPSK	30	0	23.30	23.32	23.31				
15	QPSK	30	20	23.30	23.32	23.38			24	
15	QPSK	30	39	23.27	23.31	23.33				
15	QPSK	70	0	23.30	23.32	23.32				
15	HQDM	1	0	23.31	23.31	23.44				
15	HQDM	1	37	23.50	23.60	23.61			24	
15	HQDM	1	74	23.48	23.44	23.50				
15	HQDM	30	0	22.31	22.33	22.29				
15	HQDM	30	20	22.32	22.32	22.32				
15	HQDM	30	39	22.31	22.33	22.34			23	
15	HQDM	70	0	22.30	22.29	22.29				
15	HQDM	1	0	22.40	22.54	22.47				
15	HQDM	1	37	22.44	22.51	22.51				
15	HQDM	1	74	22.28	22.42	22.43			23	
15	HQDM	30	0	21.32	21.33	21.28				
15	HQDM	30	20	21.32	21.32	21.31				
15	HQDM	30	39	21.33	21.33	21.33				
15	HQDM	70	0	21.30	21.30	21.29			22	
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.29	24.29	24.23				25
10	QPSK	1	25	24.27	24.20	24.21				
10	QPSK	1	49	24.28	24.25	24.28				
10	QPSK	20	0	23.37	23.38	23.33				
10	QPSK	20	12	23.35	23.36	23.30			24	
10	QPSK	20	25	23.38	23.34	23.33				
10	QPSK	50	0	23.32	23.32	23.35				
10	HQDM	1	0	23.51	23.57	23.58				
10	HQDM	1	12	23.59	23.59	23.63			24	
10	HQDM	1	24	23.52	23.53	23.53				
10	HQDM	12	0	22.38	22.37	22.38				
10	HQDM	12	7	22.39	22.39	22.42				
10	HQDM	12	13	22.40	22.37	22.40			23	
10	HQDM	20	0	22.32	22.33	22.33				
10	HQDM	1	0	22.39	22.47	22.41				
10	HQDM	1	12	22.40	22.43	22.48				
10	HQDM	1	24	22.46	22.37	22.43			23	
10	HQDM	12	0	21.38	21.38	21.39				
10	HQDM	12	7	21.35	21.37	21.42				
10	HQDM	12	13	21.36	21.34	21.39				
10	HQDM	20	0	21.38	21.32	21.31			22	
10	HQDM	20	7	21.38	21.35	21.31				
10	HQDM	20	13	21.38	21.35	21.44				
10	SSBQAM	1	0	19.32	19.34	19.40				
10	SSBQAM	1	25	19.34	19.34	19.41			20	
10	SSBQAM	1	49	19.43	19.37	19.46				
10	SSBQAM	20	0	19.35	19.32	19.37				
10	SSBQAM	20	12	19.35	19.32	19.37				
10	SSBQAM	20	25	19.30	19.34	19.39			20	
10	SSBQAM	50	0	19.41	19.36	19.43				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.29	24.27	24.29				25
5	QPSK	1	12	24.30	24.28	24.30				
5	QPSK	1	24	24.27	24.25	24.27				
5	QPSK	12	0	23.33	23.33	23.32				
5	QPSK	12	7	23.34	23.38	23.37			24	
5	QPSK	12	13	23.31	23.31	23.35				
5	QPSK	20	0	23.32	23.32	23.35				
5	HQDM	1	0	23.51	23.57	23.58				
5	HQDM	1	12	23.59	23.59	23.63			24	
5	HQDM	1	24	23.52	23.53	23.53				
5	HQDM	12	0	22.38	22.37	22.38				
5	HQDM	12	7	22.39	22.39	22.42				
5	HQDM	12	13	22.40	22.37	22.40			23	
5	HQDM	20	0	22.32	22.33	22.33				
5	HQDM	1	0	22.39	22.47	22.41				
5	HQDM	1	12	22.40	22.43	22.48				
5	HQDM	1	24	22.46	22.37	22.43			23	
5	HQDM	12	0	21.38	21.38	21.39				
5	HQDM	12	7	21.35	21.37	21.42				
5	HQDM	12	13	21.36	21.34	21.39				
5	HQDM	20	0	21.38	21.32	21.31			22	
5	HQDM	20	7	21.38	21.35	21.31				
5	HQDM	20	13	21.38	21.35	21.44				
5	SSBQAM	1	0	19.32	19.34	19.40				
5	SSBQAM	1	12	19.44	19.38	19.43			20	
5	SSBQAM	1	24	19.43	19.32	19.46				
5	SSBQAM	12	0	19.29	19.34	19.37				
5	SSBQAM	12	7	19.30	19.31	19.38				
5	SSBQAM	12	13	19.33	19.35	19.41			20	
5	SSBQAM	20	0	19.31	19.29	19.38				
5	SSBQAM	20	7	19.31	19.35	19.37				
5	SSBQAM	20	13	19.31	19.35	19.41				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.26	24.26	24.28			25	
3	QPSK	1	8	24.23	24.22	24.22				
3	QPSK	14	0	24.28	24.26	24.28				
3	QPSK	8	0	23.29	23.29	23.31				
3	QPSK	8	4	23.28	23.25	23.29			24	
3	QPSK	8	7	23.32	23.31	23.34				
3	QPSK	16	0	23.52	23.51	23.51				
3	HQDM	1	0	23.49	23.50	23.49				
3	HQDM	1	8	23.49	23.46	23.47			24	
3	HQDM	1	14	23.53	23.51	23.47				
3	HQDM	8	0	22.34	22.35	22.31				
3	HQDM	8	4	22.34	22.35	22.36				
3	HQDM	8	7	22.34	22.37	22.41			23	
3	HQDM	16	0	22.38	22.33	22.35				
3	HQDM	1	0	22.39	22.47	22.47				
3	HQDM	1	8	22.39	22.31	22.41				
3	HQDM	14	0	22.49	22.46	22.45			23	
3	HQDM	8	0	21.31	21.32	21.37				
3	HQDM	8	4	21.38	21.29	21.35				
3	HQDM	8	7	21.33	21.30	21.38			20	
3	HQDM	16	0	21.31	21.31	21.37				
3	HQDM	8	0	19.29	19.35	19.31				
3	SSBQAM	1	0	19.31	19.36	19.39				
3	SSBQAM	1	8	19.33	19.31	19.38			20	
3	SSBQAM	1	14	19.38	19.32	19.43				
3	SSBQAM	8	0	19.28	19.27	19.35				
3	SSBQAM	8	4	19.27	19.28	19.40				
3	SSBQAM	8	7	19.30	19.33	19.42			20	
3	SSBQAM	16	0	19.28	19.27	19.38				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.29	24.28	24.27				25
1.4	QPSK	1	3	24.24	24.18	24.18				
1.4	QPSK	3	0	24.28	24.28	24.28				
1.4	QPSK	3	0	24.26	24.26	24.26				
1.4	QPSK	3	0	24.27	24.28	24.28			24	
1.4	QPSK	3	0	24.26	24.28	24.28				
1.4	QPSK	8	0	23.33	23.28	23.35				
1.4	HQDM	1	0	23.30	23.57	23.54				
1.4	HQDM	1	3	23.48	23.46	23.48			24	
1.4	HQDM	1	5	23.51	23.52	23.51				
1.4	HQDM	3	0	23.35	23.38	23.41				
1.4	HQDM	3	0	23.34	23.44	23.42				
1.4	HQDM	3	3	23.30	23.37	23.35			23	
1.4	HQDM	3	3	23.30	23.37	23.35				
1.4	HQDM	8	0	22.54	22.48	22.54				
1.4	HQDM	3	3	22.51	22.41	22.44				
1.4	HQDM	3	3	22.51	22.46	22.45			23	
1.4	HQDM	3	3	22.50	22.44	22.45				
1.4	HQDM	8	0	21.33	21.34	21.34				
1.4	HQDM	1	0	19.40	19.22	19.38				
1.4	HQDM	3	3	19.33	19.25	19.38			20	
1.4	HQDM	1	5	19.39	19.28	19.37				
1.4	HQDM	3	3	19.35	19.33	19.43				
1.4	HQDM	3	3	19.38	19.31	19.42				
1.4	SSBQAM	2	3	19.40	19.37	19.44			20	

Band 4_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Time-slot (ms)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.21	24.17	24.30		25		
20	QPSK	1	49	24.26	24.14	24.13				
20	QPSK	1	99	24.17	24.08	24.11				
20	QPSK	50	24	23.31	23.30	23.35				
20	QPSK	50	0	23.28	23.27	23.26		24		
20	QPSK	1	49	23.56	23.46	23.38				
20	HQAM	1	99	23.56	23.32	23.40				
20	HQAM	50	0	22.33	22.30	22.32				
20	HQAM	50	24	22.34	22.29	22.29		23		
20	HQAM	100	0	22.26	22.24	22.25				
20	HQAM	1	0	22.30	22.34	22.32				
20	HQAM	1	49	22.36	22.46	22.35				
20	HQAM	1	99	22.40	22.17	22.30		23		
20	HQAM	50	0	21.30	21.31	21.31				
20	HQAM	50	24	21.34	21.26	21.30				
20	HQAM	50	50	21.31	21.24	21.25				
20	HQAM	100	0	21.28	21.24	21.26		22		
20	SSB	1	0	19.25	19.27	19.24				
20	SSB	1	49	19.44	19.36	19.33				
20	SSB	1	99	19.47	19.23	19.43				
20	SSB	50	0	19.31	19.30	19.35		20		
20	SSB	50	24	19.41	19.36	19.37				
20	SSB	50	50	19.42	19.35	19.36				
20	SSB	100	0	19.38	19.33	19.35				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.21	24.23	24.25		25		
15	QPSK	1	37	24.17	24.15	24.09				
15	QPSK	1	74	24.22	24.15	24.21				
15	QPSK	30	0	23.30	23.30	23.34				
15	QPSK	30	20	23.33	23.28	23.32		24		
15	QPSK	30	30	23.28	23.25	23.32				
15	QPSK	75	0	23.28	23.30	23.32				
15	HQAM	1	0	23.55	23.57	23.62				
15	HQAM	1	37	23.51	23.57	23.43		24		
15	HQAM	1	74	23.58	23.41	23.51				
15	HQAM	30	0	22.29	22.31	22.31				
15	HQAM	30	20	22.29	22.28	22.30				
15	HQAM	30	30	22.29	22.25	22.29		23		
15	HQAM	75	0	22.26	22.27	22.27				
15	HQAM	1	0	22.45	22.46	22.46				
15	HQAM	1	37	22.48	22.44	22.44				
15	HQAM	1	74	22.47	22.24	22.43		23		
15	HQAM	30	0	21.29	21.33	21.30				
15	HQAM	30	20	21.33	21.29	21.29				
15	HQAM	30	30	21.32	21.24	21.31				
15	HQAM	75	0	21.26	21.26	21.30		22		
15	SSB	1	0	19.31	19.35	19.32				
15	SSB	1	37	19.43	19.38	19.35				
15	SSB	1	74	19.49	19.39	19.46				
15	SSB	30	0	19.42	19.36	19.39		20		
15	SSB	30	20	19.40	19.35	19.35				
15	SSB	30	30	19.44	19.33	19.38				
15	SSB	75	0	19.37	19.33	19.34				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.23	24.25	24.26		25		
10	QPSK	1	12	24.25	24.24	24.27				
10	QPSK	1	24	24.27	24.21	24.26				
10	QPSK	12	0	23.32	23.29	23.35				
10	QPSK	12	6	23.34	23.29	23.35		24		
10	QPSK	12	12	23.33	23.28	23.32				
10	QPSK	25	0	23.32	23.29	23.33				
10	HQAM	1	0	23.55	23.59	23.60				
10	HQAM	1	12	23.61	23.60	23.67		24		
10	HQAM	1	24	23.57	23.45	23.56				
10	HQAM	12	0	22.38	22.35	22.38				
10	HQAM	12	13	22.38	22.32	22.36				
10	HQAM	12	25	22.38	22.32	22.36		23		
10	HQAM	25	0	22.34	22.28	22.35				
10	HQAM	1	0	22.44	22.38	22.50				
10	HQAM	1	12	22.44	22.45	22.48				
10	HQAM	1	24	22.46	22.33	22.39		23		
10	HQAM	12	0	21.33	21.33	21.38				
10	HQAM	12	7	21.35	21.30	21.37				
10	HQAM	12	13	21.37	21.27	21.35				
10	HQAM	25	0	21.39	21.26	21.31		22		
10	SSB	1	0	19.41	19.34	19.38				
10	SSB	1	12	19.38	19.32	19.39				
10	SSB	1	24	19.44	19.36	19.42				
10	SSB	12	0	19.35	19.34	19.38		20		
10	SSB	12	7	19.32	19.31	19.36				
10	SSB	12	13	19.38	19.33	19.40				
10	SSB	25	0	19.32	19.35	19.37				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.23	24.25	24.26		25		
5	QPSK	1	8	24.22	24.15	24.25				
5	QPSK	1	14	24.25	24.21	24.27				
5	QPSK	6	0	23.31	23.24	23.29				
5	QPSK	6	4	23.27	23.24	23.31		24		
5	QPSK	6	7	23.33	23.28	23.32				
5	QPSK	15	0	23.31	23.26	23.30				
5	HQAM	1	0	23.59	23.53	23.56				
5	HQAM	1	8	23.56	23.47	23.56		24		
5	HQAM	1	14	23.53	23.42	23.58				
5	HQAM	6	0	22.33	22.26	22.35				
5	HQAM	6	4	22.34	22.29	22.38				
5	HQAM	6	7	22.38	22.29	22.37		23		
5	HQAM	15	0	22.33	22.25	22.33				
5	HQAM	1	0	22.46	22.38	22.57				
5	HQAM	1	8	22.37	22.34	22.41				
5	HQAM	1	14	22.36	22.39	22.44		22		
5	HQAM	6	0	21.31	21.22	21.34				
5	HQAM	6	4	21.31	21.24	21.33				
5	HQAM	6	7	21.33	21.28	21.35				
5	HQAM	15	0	21.30	21.22	21.32		20		
5	SSB	1	0	19.29	19.28	19.35				
5	SSB	1	8	19.22	19.25	19.38				
5	SSB	1	14	19.28	19.28	19.41				
5	SSB	6	0	19.23	19.23	19.35		20		
5	SSB	6	4	19.25	19.25	19.36				
5	SSB	6	7	19.31	19.31	19.48				
5	SSB	15	0	19.29	19.33	19.48				
5	SSB	1	0	19.41	19.37	19.49				
5	SSB	1	8	19.42	19.37	19.49				

Band 5_Ant 0											
SR (MHz)	Modulation	NR Size	NR Offset	Power Unit Ch./Freq.	Power Range Ch./Freq.	Power High Ch./Freq.	Tx Power [dBm]				
Channel				804.0	806.5	808.0					
Frequency (MHz)											
10	QPSK	1	0	24.22	24.15	24.14	25				
10	QPSK	1	25	24.14	24.12	24.08					
10	QPSK	1	49	24.15	24.14	24.09					
10	QPSK	25	0	23.24	23.22	23.20					
10	QPSK	25	12	23.21	23.19	23.19	24				
10	QPSK	25	25	23.20	23.20	23.18					
10	WQAM	1	0	23.53	23.54	23.63					
10	WQAM	1	25	23.40	23.51	23.47					
10	WQAM	1	49	23.54	23.55	23.49	24				
10	WQAM	25	0	22.23	22.22	22.22					
10	WQAM	25	12	22.23	22.19	22.20					
10	WQAM	25	25	22.21	22.22	22.19					
10	WQAM	50	0	22.25	22.28	22.25	23				
10	WQAM	1	0	22.32	22.37	22.38					
10	WQAM	1	25	22.36	22.37	22.31					
10	WQAM	1	49	22.42	22.37	22.29					
10	WQAM	25	0	21.21	21.22	21.20	23				
10	WQAM	25	12	21.20	21.20	21.17					
10	WQAM	25	25	21.18	21.21	21.17					
10	WQAM	50	0	21.25	21.28	21.24					
10	WQAM	1	0	19.28	19.31	19.25	20				
10	WQAM	1	25	19.17	19.18	19.20					
10	WQAM	1	49	19.24	19.26	19.25					
10	WQAM	25	0	19.22	19.21	19.25					
10	WQAM	25	12	19.18	19.19	19.21					
10	WQAM	25	25	19.19	19.19	19.22					
10	WQAM	50	0	19.27	19.25	19.28					
Channel				804.0	806.5	808.0	Tx Power [dBm]				
Frequency (MHz)											
5	QPSK	1	0	24.20	24.15	24.13	25				
5	QPSK	1	12	24.21	24.18	24.17					
5	QPSK	1	24	24.18	24.15	24.08					
5	QPSK	12	0	23.24	23.20	23.20					
5	QPSK	12	7	23.23	23.22	23.17	24				
5	QPSK	12	13	23.22	23.22	23.17					
5	QPSK	26	0	23.22	23.22	23.19					
5	WQAM	1	0	23.46	23.44	23.53					
5	WQAM	1	12	23.66	23.45	23.54	24				
5	WQAM	1	24	23.46	23.56	23.42					
5	WQAM	12	0	22.28	22.28	22.27					
5	WQAM	12	7	22.28	22.27	22.26					
5	WQAM	12	13	22.27	22.28	22.28	23				
5	WQAM	26	0	22.22	22.20	22.19					
5	WQAM	1	0	22.36	22.35	22.40					
5	WQAM	1	12	22.44	22.40	22.44					
5	WQAM	1	24	22.27	22.41	22.35	23				
5	WQAM	12	0	21.25	21.25	21.24					
5	WQAM	12	7	21.26	21.26	21.25					
5	WQAM	12	13	21.26	21.26	21.25					
5	WQAM	26	0	21.21	21.20	21.18	22				
5	WQAM	1	0	19.27	19.26	19.24					
5	WQAM	1	12	19.28	19.25	19.18					
5	WQAM	1	24	19.23	19.31	19.19					
5	WQAM	12	0	19.26	19.25	19.21	20				
5	WQAM	12	7	19.15	19.25	19.13					
5	WQAM	12	13	19.24	19.25	19.17					
5	WQAM	26	0	19.24	19.22	19.19					
Channel				804.0	806.5	808.0	Tx Power [dBm]				
Frequency (MHz)											
3	QPSK	1	0	24.17	24.13	24.05	25				
3	QPSK	1	8	24.11	24.05	24.03					
3	QPSK	1	14	24.16	24.12	24.03					
3	QPSK	8	0	23.21	23.17	23.11					
3	QPSK	8	4	23.21	23.19	23.13	24				
3	QPSK	8	7	23.23	23.19	23.12					
3	QPSK	16	0	23.20	23.19	23.14					
3	WQAM	1	0	23.28	23.50	23.39					
3	WQAM	1	8	23.19	23.47	23.38	24				
3	WQAM	1	14	23.22	23.51	23.42					
3	WQAM	8	0	22.21	22.24	22.17					
3	WQAM	8	4	22.20	22.25	22.19					
3	WQAM	8	7	22.22	22.25	22.21	23				
3	WQAM	16	0	22.21	22.21	22.18					
3	WQAM	1	0	22.12	22.30	22.29					
3	WQAM	1	8	22.07	22.24	22.21					
3	WQAM	1	14	22.11	22.34	22.25	22				
3	WQAM	8	0	21.22	21.21	21.18					
3	WQAM	8	4	21.22	21.22	21.19					
3	WQAM	8	7	21.25	21.25	21.15					
3	WQAM	16	0	21.23	21.21	21.14	20				
3	WQAM	1	0	19.28	19.32	19.28					
3	WQAM	1	8	19.24	19.16	19.28					
3	WQAM	1	14	19.25	19.21	19.18					
3	WQAM	8	0	19.23	19.22	19.11	20				
3	WQAM	8	4	19.18	19.22	19.11					
3	WQAM	8	7	19.20	19.22	19.12					
3	WQAM	16	0	19.24	19.18	19.14					
Channel				804.7	806.5	808.3	Tx Power [dBm]				
Frequency (MHz)											
1.4	QPSK	1	0	24.19	24.13	24.04	25				
1.4	QPSK	1	3	24.16	24.07	24.03					
1.4	QPSK	1	5	24.18	24.14	24.07					
1.4	QPSK	3	0	24.16	24.10	24.05					
1.4	QPSK	3	1	24.17	24.12	24.09	24				
1.4	QPSK	3	3	24.21	24.11	24.05					
1.4	QPSK	6	0	23.19	23.16	23.07					
1.4	WQAM	1	0	23.50	23.38	23.40					
1.4	WQAM	1	3	23.38	23.34	23.30	24				
1.4	WQAM	1	5	23.55	23.46	23.42					
1.4	WQAM	3	0	23.28	23.25	23.20					
1.4	WQAM	3	1	23.30	23.30	23.25					
1.4	WQAM	3	3	23.30	23.30	23.25	23				
1.4	WQAM	6	0	22.25	22.20	22.19					
1.4	WQAM	1	0	22.40	22.28	22.28					
1.4	WQAM	1	3	22.38	22.25	22.25					
1.4	WQAM	1	5	22.37	22.30	22.30	23				
1.4	WQAM	3	0	22.37	22.28	22.20					
1.4	WQAM	3	1	22.38	22.28	22.23					
1.4	WQAM	3	3	22.37	22.25	22.18					
1.4	WQAM	6	0	21.24	21.25	21.16	22				
1.4	WQAM	1	0	19.31	19.15	19.05					
1.4	WQAM	1	3	19.23	19.14	19.02					
1.4	WQAM	1	5	19.24	19.12	19.10					
1.4	WQAM	3	0	19.34	19.27	19.20	20				
1.4	WQAM	3	1	19.29	19.21	19.17					
1.4	WQAM	3	3	19.31	19.25	19.19					
1.4	WQAM	6	0	19.20	19.16	19.08					

Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Power Avg	Time-to-lead (ms)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.24	24.25	24.21			
20	QPSK	1	49	24.24	24.23	24.29			24.6
20	QPSK	1	99	24.24	24.23	24.25			
20	QPSK	50	0	23.47	23.37	23.38			
20	QPSK	50	24	23.52	23.42	23.44			23.6
20	QPSK	50	50	23.53	23.44	23.46			
20	QPSK	100	0	23.50	23.41	23.42			
20	HQAM	1	0	23.49	23.46	23.45			23.6
20	HQAM	1	49	23.56	23.50	23.57			
20	HQAM	1	99	23.57	23.50	23.51			
20	HQAM	50	0	22.44	22.39	22.39			
20	HQAM	50	24	22.48	22.42	22.45			22.6
20	HQAM	50	50	22.47	22.44	22.54			
20	HQAM	100	0	22.43	22.39	22.40			
20	HQAM	1	0	22.50	22.46	22.39			22.6
20	HQAM	1	49	22.53	22.50	22.46			
20	HQAM	1	99	22.53	22.50	22.54			
20	HQAM	50	0	21.46	21.40	21.40			
20	HQAM	50	24	21.45	21.44	21.47			21.6
20	HQAM	50	50	21.45	21.46	21.52			
20	HQAM	100	0	21.42	21.37	21.40			
20	SSBQAM	1	0	19.06	19.00	19.00			19.6
20	SSBQAM	1	49	19.19	19.16	19.03			
20	SSBQAM	1	99	19.01	19.01	19.00			
20	SSBQAM	50	0	19.09	19.09	19.10			
20	SSBQAM	50	24	19.17	19.10	19.13			19.6
20	SSBQAM	50	50	19.17	19.06	19.06			
20	SSBQAM	100	0	19.10	19.05	19.07			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.06	24.05	24.16			
15	QPSK	1	37	24.08	24.12	24.14			24.6
15	QPSK	1	74	24.16	24.27	24.33			
15	QPSK	36	0	23.26	23.32	23.33			
15	QPSK	36	26	23.30	23.36	23.40			23.6
15	QPSK	36	36	23.32	23.37	23.43			
15	QPSK	75	0	23.31	23.38	23.39			
15	HQAM	1	0	23.45	23.47	23.47			23.6
15	HQAM	1	37	23.39	23.49	23.53			
15	HQAM	1	74	23.42	23.54	23.59			
15	HQAM	36	0	22.36	22.34	22.34			
15	HQAM	36	26	22.32	22.38	22.41			22.6
15	HQAM	36	36	22.35	22.38	22.43			
15	HQAM	75	0	22.33	22.36	22.40			
15	HQAM	1	0	22.40	22.48	22.46			
15	HQAM	1	37	22.46	22.46	22.41			22.6
15	HQAM	1	74	22.47	22.47	22.51			
15	HQAM	36	0	21.35	21.37	21.38			
15	HQAM	36	26	21.37	21.39	21.44			21.6
15	HQAM	36	36	21.38	21.38	21.46			
15	HQAM	75	0	21.32	21.32	21.34			
15	SSBQAM	1	0	19.05	19.16	19.03			19.6
15	SSBQAM	1	37	19.21	19.09	19.09			
15	SSBQAM	1	74	19.22	19.06	19.04			
15	SSBQAM	36	0	19.16	19.17	19.16			
15	SSBQAM	36	26	19.13	19.05	19.07			19.6
15	SSBQAM	36	36	19.14	19.11	19.15			
15	SSBQAM	75	0	19.08	19.06	19.06			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.21	24.26	24.24			
10	QPSK	1	25	24.14	24.18	24.15			24.6
10	QPSK	1	49	24.25	24.28	24.29			
10	QPSK	25	0	23.31	23.32	23.33			
10	QPSK	25	12	23.32	23.33	23.35			23.6
10	QPSK	25	25	23.36	23.33	23.35			
10	QPSK	50	0	23.40	23.36	23.39			
10	HQAM	1	0	23.39	23.43	23.47			23.6
10	HQAM	1	25	23.51	23.42	23.41			
10	HQAM	1	49	23.55	23.50	23.54			
10	HQAM	25	0	22.34	22.33	22.34			22.6
10	HQAM	25	12	22.34	22.32	22.36			
10	HQAM	25	25	22.34	22.35	22.37			
10	HQAM	50	0	22.44	22.34	22.38			
10	HQAM	1	0	22.47	22.46	22.46			22.6
10	HQAM	1	25	22.50	22.47	22.45			
10	HQAM	1	49	22.56	22.46	22.51			
10	HQAM	25	0	21.36	21.33	21.35			21.6
10	HQAM	25	12	21.35	21.33	21.37			
10	HQAM	25	25	21.46	21.37	21.39			
10	HQAM	50	0	21.45	21.36	21.42			
10	SSBQAM	1	0	19.19	19.18	19.07			19.6
10	SSBQAM	1	25	19.23	19.10	19.07			
10	SSBQAM	1	49	19.24	19.14	19.11			
10	SSBQAM	25	0	19.12	19.02	19.09			19.6
10	SSBQAM	25	12	19.03	19.06	19.11			
10	SSBQAM	25	25	19.11	19.01	19.09			
10	SSBQAM	50	0	19.16	19.04	19.13			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.15	24.24	24.21			
5	QPSK	1	49	24.13	24.15	24.15			24.6
5	QPSK	1	24	24.23	24.26	24.26			
5	QPSK	12	0	23.24	23.29	23.31			
5	QPSK	12	13	23.22	23.31	23.32			23.6
5	QPSK	12	13	23.24	23.32	23.33			
5	QPSK	25	0	23.29	23.28	23.32			
5	HQAM	1	0	23.42	23.54	23.49			23.6
5	HQAM	1	12	23.34	23.45	23.42			
5	HQAM	1	24	23.46	23.51	23.45			
5	HQAM	12	0	22.29	22.31	22.33			
5	HQAM	12	7	22.31	22.32	22.35			22.6
5	HQAM	12	13	22.31	22.33	22.34			
5	HQAM	25	0	22.28	22.31	22.34			
5	HQAM	1	0	22.43	22.45	22.43			22.6
5	HQAM	1	12	22.37	22.39	22.36			
5	HQAM	1	24	22.51	22.56	22.46			
5	HQAM	12	0	21.28	21.33	21.30			21.6
5	HQAM	12	7	21.34	21.29	21.31			
5	HQAM	12	13	21.33	21.32	21.34			
5	HQAM	25	0	21.31	21.31	21.33			
5	SSBQAM	1	0	19.27	19.12	19.13			19.6
5	SSBQAM	1	12	19.26	19.19	19.22			
5	SSBQAM	1	24	19.26	19.16	19.16			
5	SSBQAM	12	0	19.18	19.06	19.14			19.6
5	SSBQAM	12	7	19.09	19.06	19.07			
5	SSBQAM	12	13	19.14	19.04	19.09			
5	SSBQAM	25	0	19.13	19.04	19.10			

Band 12_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Time-to- live (ms)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.42	24.37	24.35			25	
10	QPSK	1	20	24.37	24.34	24.29				
10	QPSK	1	40	24.41	24.38	24.34				
10	QPSK	25	0	23.42	23.42	23.34				
10	QPSK	25	10	23.43	23.43	23.36			24	
10	QPSK	25	20	23.42	23.41	23.44				
10	QPSK	50	0	23.44	23.42	23.45				
10	WQAM	1	0	23.71	23.59	23.70				
10	WQAM	1	20	23.68	23.57	23.71			24	
10	WQAM	1	40	23.71	23.74	23.58				
10	WQAM	25	0	22.46	22.42	22.43				
10	WQAM	25	10	22.40	22.42	22.45				
10	WQAM	25	20	22.44	22.42	22.47			23	
10	WQAM	50	0	22.41	22.40	22.43				
10	WQAM	1	0	22.51	22.58	22.52				
10	WQAM	1	20	22.54	22.41	22.53				
10	WQAM	1	40	22.58	22.50	22.48			22	
10	WQAM	25	0	21.41	21.41	21.42				
10	WQAM	25	10	21.41	21.41	21.42				
10	WQAM	25	20	21.43	21.41	21.47				
10	WQAM	50	0	21.42	21.42	21.41			20	
10	SSBQAM	1	0	19.44	19.50	19.49				
10	SSBQAM	1	20	19.40	19.31	19.29				
10	SSBQAM	1	40	19.41	19.34	19.25				
10	SSBQAM	25	0	19.43	19.38	19.34			20	
10	SSBQAM	25	10	19.38	19.33	19.35				
10	SSBQAM	25	20	19.36	19.32	19.34				
10	SSBQAM	50	0	19.37	19.32	19.38				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.41	24.33	24.29			25	
5	QPSK	1	10	24.40	24.38	24.38				
5	QPSK	1	20	24.39	24.38	24.32				
5	QPSK	12	0	23.45	23.39	23.38				
5	QPSK	12	7	23.48	23.38	23.38			24	
5	QPSK	12	13	23.43	23.43	23.40				
5	QPSK	25	0	23.45	23.41	23.41				
5	WQAM	1	0	23.72	23.67	23.70				
5	WQAM	1	10	23.63	23.75	23.78			24	
5	WQAM	1	20	23.72	23.67	23.60				
5	WQAM	12	0	22.48	22.48	22.45				
5	WQAM	12	7	22.48	22.47	22.47				
5	WQAM	12	13	22.51	22.50	22.44			23	
5	WQAM	25	0	22.47	22.41	22.40				
5	WQAM	1	0	22.62	22.53	22.58				
5	WQAM	1	10	22.78	22.64	22.71				
5	WQAM	1	20	22.58	22.63	22.51			22	
5	WQAM	12	0	21.46	21.42	21.43				
5	WQAM	12	7	21.47	21.42	21.43				
5	WQAM	12	13	21.48	21.46	21.38				
5	WQAM	25	0	21.44	21.40	21.37			20	
5	SSBQAM	1	0	19.35	19.41	19.38				
5	SSBQAM	1	10	19.29	19.33	19.36				
5	SSBQAM	1	20	19.34	19.28	19.25				
5	SSBQAM	12	0	19.42	19.40	19.38			20	
5	SSBQAM	12	7	19.37	19.32	19.33				
5	SSBQAM	12	13	19.38	19.30	19.28				
5	SSBQAM	25	0	19.38	19.26	19.29				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.37	24.30	24.31			25	
3	QPSK	1	8	24.33	24.27	24.27				
3	QPSK	1	14	24.39	24.34	24.30				
3	QPSK	8	0	23.40	23.35	23.35				
3	QPSK	8	4	23.39	23.36	23.36			24	
3	QPSK	8	7	23.43	23.40	23.37				
3	QPSK	16	0	23.41	23.40	23.36				
3	WQAM	1	0	23.62	23.66	23.71				
3	WQAM	1	8	23.58	23.60	23.57			24	
3	WQAM	1	14	23.68	23.63	23.54				
3	WQAM	8	0	22.44	22.39	22.39				
3	WQAM	8	4	22.41	22.43	22.41				
3	WQAM	8	7	22.44	22.42	22.43			23	
3	WQAM	16	0	22.40	22.39	22.40				
3	WQAM	1	0	22.51	22.47	22.51				
3	WQAM	1	8	22.41	22.44	22.43				
3	WQAM	1	14	22.50	22.48	22.40			22	
3	WQAM	8	0	21.39	21.38	21.37				
3	WQAM	8	4	21.41	21.39	21.38				
3	WQAM	16	0	21.42	21.43	21.42				
3	SSBQAM	1	0	19.37	19.35	19.38			20	
3	SSBQAM	1	8	19.40	19.36	19.33				
3	SSBQAM	1	14	19.35	19.33	19.25				
3	SSBQAM	8	0	19.33	19.32	19.34				
3	SSBQAM	8	4	19.28	19.26	19.30			20	
3	SSBQAM	8	7	19.32	19.29	19.27				
3	SSBQAM	16	0	19.30	19.28	19.27				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.41	24.35	24.33			25	
1.4	QPSK	1	5	24.33	24.28	24.25				
1.4	QPSK	1	5	24.36	24.34	24.31				
1.4	QPSK	3	0	24.40	24.40	24.40				
1.4	QPSK	3	3	24.37	24.34	24.34			24	
1.4	QPSK	6	0	23.37	23.32	23.30				
1.4	WQAM	1	0	23.72	23.63	23.60				
1.4	WQAM	1	3	23.59	23.59	23.52				
1.4	WQAM	1	6	23.64	23.61	23.56			24	
1.4	WQAM	3	0	23.48	23.50	23.41				
1.4	WQAM	3	1	23.58	23.48	23.47				
1.4	WQAM	3	1	23.50	23.43	23.43				
1.4	WQAM	6	0	22.45	22.41	22.39			23	
1.4	WQAM	1	0	22.58	22.59	22.48				
1.4	WQAM	1	6	22.50	22.48	22.38				
1.4	WQAM	3	0	22.58	22.49	22.41				
1.4	WQAM	3	1	22.58	22.49	22.46			23	
1.4	WQAM	3	3	22.48	22.42	22.44				
1.4	WQAM	6	0	21.43	21.38	21.31				
1.4	SSBQAM	1	3	19.36	19.31	19.25				
1.4	SSBQAM	1	6	19.38	19.29	19.20			22	
1.4	SSBQAM	3	0	19.42	19.33	19.34				
1.4	SSBQAM	3	1	19.43	19.36	19.27				
1.4	SSBQAM	3	1	19.31	19.27	19.21				

Band 13_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Time-to-Air (dBm)		
Channel				232M					
Frequency (MHz)				780					
10	QPSK	1	0		24.23		25		
10	QPSK	1	25		24.16				
10	QPSK	1	49		24.17				
10	QPSK	25	0		23.29		24		
10	QPSK	25	12		23.27				
10	QPSK	25	25		23.29				
10	QPSK	50	0		23.35		24		
10	HQAM	1	0		23.47				
10	HQAM	1	25		23.53				
10	HQAM	1	49		23.49		23		
10	HQAM	25	0		22.32				
10	HQAM	25	12		22.30				
10	HQAM	25	25		22.28		23		
10	HQAM	50	0		22.35				
10	HQAM	1	0		22.36				
10	HQAM	1	25		22.50		23		
10	HQAM	1	49		22.46				
10	HQAM	25	12		21.31				
10	HQAM	25	25		21.28		22		
10	HQAM	50	0		21.32				
10	256QAM	1	0		19.32				
10	256QAM	1	25		19.37		20		
10	256QAM	1	49		19.26				
10	256QAM	25	0		19.31				
10	256QAM	25	12		19.35		20		
10	256QAM	25	25		19.27				
10	256QAM	50	0		19.30				
Channel				232M	232M	232M	Time-to-Air (dBm)		
Frequency (MHz)				778.5	782	785.5			
5	QPSK	1	0	24.19	24.22	24.21	25		
5	QPSK	1	10	24.16	24.20	24.19			
5	QPSK	1	24	24.16	24.21	24.17			
5	QPSK	12	0	23.33	23.30	23.35	24		
5	QPSK	12	7	23.35	23.30	23.38			
5	QPSK	12	14	23.35	23.29	23.32			
5	QPSK	25	0	23.39	23.29	23.32	24		
5	HQAM	1	0	23.52	23.55	23.47			
5	HQAM	1	10	23.53	23.55	23.70			
5	HQAM	1	24	23.60	23.48	23.59	23		
5	HQAM	12	0	22.35	22.32	22.40			
5	HQAM	12	7	22.39	22.29	22.38			
5	HQAM	12	14	22.39	22.30	22.37	23		
5	HQAM	25	0	22.38	22.29	22.32			
5	HQAM	25	0	22.38	22.38	22.52			
5	HQAM	1	10	22.42	22.55	22.55	23		
5	HQAM	1	24	22.43	22.50	22.43			
5	HQAM	12	0	21.31	21.28	21.38			
5	HQAM	12	7	21.35	21.33	21.38	22		
5	HQAM	12	14	21.35	21.31	21.34			
5	HQAM	25	0	21.35	21.28	21.32			
5	256QAM	1	0	19.36	19.29	19.45	20		
5	256QAM	1	10	19.36	19.31	19.38			
5	256QAM	1	24	19.35	19.24	19.23			
5	256QAM	12	0	19.16	19.22	19.45	20		
5	256QAM	12	7	19.32	19.27	19.31			
5	256QAM	12	19	19.33	19.24	19.28			
5	256QAM	25	0	19.34	19.26	19.30	20		

Band 14_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Time-to-Air (min)		
Channel				23.0M					
Frequency (MHz)				780.5					
10	QPSK	1	0	24.30			25		
10	QPSK	1	25	24.15					
10	QPSK	1	49	24.15					
10	QPSK	25	0	23.31			24		
10	QPSK	25	12	23.31					
10	QPSK	25	25	23.29					
10	QPSK	50	0	23.33			24		
10	WQAM	1	0	23.52					
10	WQAM	1	25	23.45					
10	WQAM	1	49	23.38			23		
10	WQAM	25	0	22.28					
10	WQAM	25	12	22.28					
10	WQAM	25	25	22.25			23		
10	WQAM	50	0	22.29					
10	WQAM	1	0	22.38					
10	WQAM	1	25	22.34			23		
10	WQAM	1	49	22.30					
10	WQAM	25	0	21.27					
10	WQAM	25	12	21.23			22		
10	WQAM	25	25	21.27					
10	WQAM	50	0	21.30					
10	WQAM	1	0	19.32			20		
10	WQAM	1	25	19.22					
10	WQAM	1	49	19.16					
10	WQAM	25	0	19.29			20		
10	WQAM	25	12	19.25					
10	WQAM	25	25	19.25					
10	WQAM	50	0	19.30			20		
10	WQAM	50	0	19.30					
10	WQAM	50	0	19.30					
Channel				23.0M			Time-to-Air (min)		
Frequency (MHz)				780.5					
5	QPSK	1	0	24.29	24.24	24.24	25		
5	QPSK	1	12	24.27	24.29	24.25			
5	QPSK	1	24	24.25	24.15	24.30			
5	QPSK	12	0	23.32	23.25	23.31	24		
5	QPSK	12	7	23.32	23.27	23.29			
5	QPSK	12	14	23.30	23.24	23.28			
5	QPSK	25	0	23.34	23.28	23.31	24		
5	WQAM	1	0	23.53	23.52	23.52			
5	WQAM	1	12	23.56	23.58	23.63			
5	WQAM	1	24	23.53	23.41	23.51	23		
5	WQAM	12	0	22.34	22.29	22.32			
5	WQAM	12	7	22.30	22.29	22.32			
5	WQAM	12	14	22.33	22.27	22.33	23		
5	WQAM	25	0	22.32	22.26	22.30			
5	WQAM	25	0	22.39	22.39	22.44			
5	WQAM	1	12	22.47	22.43	22.44	23		
5	WQAM	1	24	22.38	22.32	22.35			
5	WQAM	12	0	21.31	21.29	21.28			
5	WQAM	12	7	21.32	21.27	21.29	22		
5	WQAM	12	14	21.30	21.25	21.25			
5	WQAM	25	0	21.31	21.24	21.28			
5	WQAM	1	0	19.33	19.28	19.28	20		
5	WQAM	1	12	19.29	19.17	19.28			
5	WQAM	1	24	19.24	19.20	19.26			
5	WQAM	12	0	19.36	19.29	19.29	20		
5	WQAM	12	14	19.29	19.23	19.24			
5	WQAM	12	19	19.24	19.19	19.22			
5	WQAM	25	0	19.35	19.28	19.29	20		
5	WQAM	25	0	19.35	19.28	19.29			
5	WQAM	25	0	19.35	19.28	19.29			

Band 17_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Freq)	Power Mid Ch.2 (Freq)	Power High Ch.3 (Freq)	Power Avg	Time-to-Start (sec)	
Channel				23761	23761	23801	23801		
Frequency (MHz)				789	789	791			
10	QPSK	1	0	24.38	24.41	24.40			
10	QPSK	1	20	24.38	24.42	24.39			25
10	QPSK	1	40	24.37	24.39	24.38			
10	QPSK	25	0	23.44	23.45	23.44			
10	QPSK	25	10	23.44	23.46	23.44			24
10	QPSK	25	20	23.45	23.48	23.48			
10	QPSK	50	0	23.43	23.46	23.47			
10	HQDM	1	0	23.85	23.88	23.88			24
10	HQDM	1	20	23.83	23.88	23.72			
10	HQDM	1	40	23.82	23.88	23.80			
10	HQDM	25	0	22.42	22.48	22.44			23
10	HQDM	25	10	22.42	22.44	22.43			
10	HQDM	25	20	22.46	22.48	22.48			
10	HQDM	50	0	22.43	22.51	22.48			
10	HQDM	1	0	22.57	22.98	22.51			23
10	HQDM	1	20	22.53	22.52	22.45			
10	HQDM	1	40	22.50	22.50	22.50			
10	HQDM	25	0	21.49	21.44	21.42			22
10	HQDM	25	10	21.44	21.45	21.44			
10	HQDM	25	20	21.44	21.47	21.48			
10	HQDM	50	0	21.43	21.45	21.45			
10	SSBQAM	1	0	19.45	19.54	19.45			20
10	SSBQAM	1	20	19.46	19.45	19.37			
10	SSBQAM	1	40	19.39	19.35	19.32			
10	SSBQAM	25	0	19.45	19.43	19.38			20
10	SSBQAM	25	10	19.33	19.37	19.35			
10	SSBQAM	25	20	19.35	19.33	19.34			
10	SSBQAM	50	0	19.39	19.41	19.38			
Channel				23755	23790	23805	23805		
Frequency (MHz)				794.5	791	793.5			
5	QPSK	1	0	24.34	24.38	24.32			25
5	QPSK	1	10	24.39	24.39	24.38			
5	QPSK	1	20	24.36	24.36	24.34			
5	QPSK	12	0	23.35	23.43	23.39			24
5	QPSK	12	7	23.40	23.43	23.38			
5	QPSK	12	13	23.45	23.44	23.39			
5	QPSK	25	0	23.39	23.46	23.42			24
5	HQDM	1	0	23.60	23.67	23.62			
5	HQDM	1	10	23.69	23.76	23.74			
5	HQDM	1	20	23.64	23.71	23.52			
5	HQDM	12	0	22.43	22.48	22.47			23
5	HQDM	12	7	22.43	22.48	22.45			
5	HQDM	12	13	22.41	22.49	22.43			
5	HQDM	25	0	22.38	22.46	22.40			
5	HQDM	25	0	22.47	22.57	22.54			
5	HQDM	1	10	22.53	22.61	22.58			23
5	HQDM	1	20	22.54	22.62	22.50			
5	HQDM	12	0	21.40	21.46	21.42			22
5	HQDM	12	7	21.42	21.49	21.42			
5	HQDM	12	13	21.38	21.49	21.40			
5	HQDM	25	0	21.36	21.43	21.39			
5	SSBQAM	1	0	19.34	19.42	19.38			20
5	SSBQAM	1	20	19.34	19.35	19.40			
5	SSBQAM	1	24	19.27	19.35	19.24			
5	SSBQAM	12	0	19.26	19.40	19.30			20
5	SSBQAM	12	13	19.28	19.30	19.29			
5	SSBQAM	25	0	19.28	19.31	19.34			

Band 26_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time-to- live (ms)	
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.34	24.22	24.25			25	
15	QPSK	1	37	24.34	24.14	24.18				
15	QPSK	1	74	24.32	24.21	24.18				
15	QPSK	36	0	23.38	23.29	23.31				
15	QPSK	36	20	23.36	23.26	23.27			24	
15	QPSK	36	39	23.35	23.28	23.30				
15	WQAM	1	0	23.71	23.57	23.65				
15	WQAM	1	37	23.78	23.83	23.59				
15	WQAM	36	0	22.43	22.28	22.43			24	
15	WQAM	36	20	22.39	22.27	22.27				
15	WQAM	75	0	22.35	22.22	22.25				
15	WQAM	75	0	22.32	22.22	22.25				
15	WQAM	1	0	22.54	22.42	22.51			23	
15	WQAM	1	37	22.60	22.42	22.40				
15	WQAM	1	74	22.48	22.50	22.31				
15	WQAM	36	0	21.44	21.28	21.27				
15	WQAM	36	20	21.45	21.32	21.25			22	
15	WQAM	36	39	21.41	21.32	21.26				
15	SSBQAM	1	0	19.33	19.35	19.28				
15	SSBQAM	1	37	19.38	19.16	19.25				
15	SSBQAM	36	0	19.44	19.31	19.45			20	
15	SSBQAM	36	20	19.39	19.28	19.31				
15	SSBQAM	36	39	19.44	19.26	19.35				
15	SSBQAM	75	0	19.30	19.24	19.38				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.27	24.18	24.14			25	
15	QPSK	1	36	24.16	24.05	24.04				
15	QPSK	1	49	24.26	24.20	24.11				
15	QPSK	25	0	23.31	23.27	23.19				
15	QPSK	25	12	23.29	23.24	23.18			24	
15	QPSK	25	26	23.30	23.23	23.19				
15	QPSK	50	0	23.33	23.22	23.20				
15	WQAM	1	0	23.54	23.52	23.51				
15	WQAM	1	26	23.58	23.45	23.42			24	
15	WQAM	1	49	23.58	23.62	23.43				
15	WQAM	25	0	22.35	22.26	22.17				
15	WQAM	25	12	22.31	22.20	22.14				
15	WQAM	25	25	22.33	22.26	22.15			23	
15	WQAM	50	0	22.36	22.26	22.21				
15	WQAM	1	0	22.33	22.33	22.47				
15	WQAM	1	25	22.51	22.40	22.29				
15	WQAM	1	49	22.56	22.40	22.26			22	
15	WQAM	25	0	21.31	21.22	21.18				
15	WQAM	25	12	21.31	21.22	21.15				
15	WQAM	25	25	21.32	21.23	21.14				
15	SSBQAM	50	0	21.36	21.24	21.20			20	
15	SSBQAM	1	0	19.17	19.21	19.25				
15	SSBQAM	25	0	19.16	19.03	19.06				
15	SSBQAM	1	49	19.24	19.20	19.11				
15	SSBQAM	25	12	19.26	19.20	19.15			20	
15	SSBQAM	25	12	19.31	19.22	19.20				
15	SSBQAM	25	25	19.29	19.28	19.21				
15	SSBQAM	50	0	19.17	19.11	19.20				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.19	24.19	24.13			25	
5	QPSK	1	12	24.27	24.22	24.17				
5	QPSK	1	24	24.21	24.15	24.11				
5	QPSK	14	0	23.25	23.23	23.30				
5	QPSK	12	7	23.27	23.24	23.19			24	
5	QPSK	12	14	23.24	23.22	23.20				
5	QPSK	24	0	23.28	23.24	23.18				
5	WQAM	1	0	23.48	23.48	23.51				
5	WQAM	1	12	23.58	23.52	23.50			24	
5	WQAM	24	0	23.55	23.49	23.42				
5	WQAM	12	0	22.26	22.23	22.27				
5	WQAM	12	7	22.28	22.24	22.27				
5	WQAM	12	13	22.30	22.25	22.26			23	
5	WQAM	25	0	22.28	22.20	22.21				
5	WQAM	1	0	22.33	22.33	22.20				
5	WQAM	1	12	22.47	22.38	22.38				
5	WQAM	1	24	22.47	22.40	22.34			22	
5	WQAM	12	0	21.24	21.21	21.24				
5	WQAM	12	7	21.32	21.25	21.23				
5	WQAM	12	13	21.32	21.25	21.23				
5	SSBQAM	25	0	21.27	21.22	21.20			20	
5	SSBQAM	1	0	19.05	19.16	19.13				
5	SSBQAM	12	0	19.06	19.06	19.06				
5	SSBQAM	1	24	19.14	19.00	19.15				
5	SSBQAM	12	0	19.22	19.28	19.23			20	
5	SSBQAM	12	7	19.26	19.21	19.20				
5	SSBQAM	12	13	19.28	19.26	19.22				
5	SSBQAM	25	0	19.23	19.20	19.21				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.16	24.15	24.06			25	
3	QPSK	1	4	24.13	24.11	24.00				
3	QPSK	1	14	24.16	24.16	24.06				
3	QPSK	8	0	23.19	23.18	23.13				
3	QPSK	8	4	23.19	23.00	23.10			24	
3	QPSK	8	7	23.24	23.21	23.14				
3	QPSK	15	0	23.22	23.20	23.14				
3	WQAM	1	0	23.39	23.49	23.36				
3	WQAM	1	8	23.47	23.43	23.40			24	
3	WQAM	8	0	23.50	23.46	23.41				
3	WQAM	8	0	22.24	22.18	22.17				
3	WQAM	8	4	22.25	22.20	22.21				
3	WQAM	8	0	22.27	22.20	22.20			23	
3	WQAM	15	0	22.22	22.20	22.19				
3	WQAM	1	0	22.28	22.28	22.28				
3	WQAM	1	8	22.27	22.26	22.23				
3	WQAM	1	14	22.33	22.30	22.33			22	
3	WQAM	8	0	21.19	21.19	21.17				
3	WQAM	8	4	21.22	21.21	21.16				
3	WQAM	8	7	21.25	21.28	21.22				
3	SSBQAM	15	0	21.18	21.21	21.17			20	
3	SSBQAM	1	0	19.04	19.09	19.06				
3	SSBQAM	1	8	19.09	19.07	19.02				
3	SSBQAM	14	0	19.16	19.12	19.07				
3	SSBQAM	8	0	19.13	19.18	19.22			20	
3	SSBQAM	8	4	19.20	19.23	19.17				
3	SSBQAM	8	7	19.23	19.22	19.20				
3	SSBQAM	15	0	19.19	19.18	19.20				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.19	24.19	24.06			25	
1.4	QPSK	1	3	24.12	24.10	23.99				
1.4	QPSK	1	4	24.18	24.18	24.09				
1.4	QPSK	3	0	24.16	24.15	24.08				
1.4	QPSK	3	1	24.20	24.25	24.17			24	
1.4	QPSK	3	2	24.18	24.18	24.12				
1.4	QPSK	6	0	23.21	23.13	23.07				
1.4	WQAM	1	0	23.55	23.43	23.34				
1.4	WQAM	1	3	23.39	23.35	23.30			24	
1.4	WQAM	1	5	23.50	23.41	23.40				
1.4	WQAM	1	1	23.34	23.26	23.15				
1.4	WQAM	3	0	23.33	23.26	23.23				
1.4	WQAM	3	3	23.27	23.28	23.22			23	
1.4	WQAM	6	0	22.25	22.22	22.14				
1.4	WQAM	1	0	22.33	22.34	22.23				
1.4	WQAM	1	3	22.34	22.28	22.08				
1.4	WQAM	3	0	22.40	22.39	22.19			23	
1.4	WQAM	3	0	22.27	22.22	22.16				
1.4	WQAM	3	1	22.36	22.28	22.20				
1.4	WQAM	3	2	22.23	22.25	22.24				
1.4	WQAM	6	0	21.22	21.18	21.08			22	
1.4	SSBQAM	1	0	19.05	19.08	19.04				
1.4	SSBQAM	1	8	19.03	19.07	19.07				
1.4	SSBQAM	1	15	19.11	19.15	19.17				
1.4	SSBQAM	1	19	19.18	19.24	19.14				
1.4	SSBQAM	3	0	19.20	19.24	19.17				

Band 30_Ant 2							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Time-to-Avg (dBm)
Channel				27710			
Frequency (MHz)				2410			
10	QPSK	1	0	24.24			25
10	QPSK	1	25	24.08			
10	QPSK	1	49	24.13			
10	QPSK	25	0	23.13			24
10	QPSK	25	25	23.18			
10	QPSK	50	0	23.25			
10	WQAM	1	0	23.00			23
10	WQAM	1	25	23.38			
10	WQAM	1	49	23.44			
10	WQAM	25	0	22.30			23
10	WQAM	25	25	22.45			
10	WQAM	50	0	22.58			
10	WQAM	1	0	22.58			23
10	WQAM	1	25	22.42			
10	WQAM	1	49	22.47			
10	WQAM	25	0	21.49			22
10	WQAM	25	25	21.49			
10	WQAM	50	0	21.54			
10	WQAM	1	0	19.49			20
10	WQAM	1	25	19.36			
10	WQAM	1	49	19.34			
10	WQAM	25	0	19.58			20
10	WQAM	25	10	19.55			
10	WQAM	25	25	19.51			
10	WQAM	50	0	19.51			
Channel				27685	27710	27735	
Frequency (MHz)				2397.5	2395	2392.5	
5	QPSK	1	0	24.17	24.23	24.22	25
5	QPSK	1	12	24.16	24.20	24.21	
5	QPSK	1	24	24.06	24.10	24.30	
5	QPSK	12	0	23.27	23.31	23.30	24
5	QPSK	12	7	23.31	23.31	23.29	
5	QPSK	12	15	23.31	23.30	23.34	
5	QPSK	25	0	23.35	23.31	23.31	24
5	WQAM	1	0	23.57	23.60	23.58	
5	WQAM	1	12	23.50	23.57	23.54	
5	WQAM	1	24	23.55	23.50	23.43	23
5	WQAM	12	0	22.52	22.50	22.59	
5	WQAM	12	7	22.51	22.48	22.37	
5	WQAM	12	15	22.48	22.46	22.44	23
5	WQAM	25	0	22.53	22.46	22.46	
5	WQAM	25	0	22.48	22.51	22.58	
5	WQAM	1	10	22.63	22.52	22.52	22
5	WQAM	1	24	22.52	22.44	22.42	
5	WQAM	12	0	21.52	21.49	21.48	
5	WQAM	12	7	21.53	21.50	21.45	22
5	WQAM	12	15	21.52	21.46	21.42	
5	WQAM	25	0	21.56	21.51	21.49	
5	WQAM	1	0	19.51	19.48	19.48	20
5	WQAM	12	0	19.56	19.56	19.54	
5	WQAM	12	15	19.50	19.51	19.49	
5	WQAM	12	15	19.52	19.49	19.45	
5	WQAM	25	0	19.58	19.55	19.53	

Band 66_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg	Power Max	Power Min
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.19	24.19	24.22			
20	QPSK	1	49	24.18	24.17	24.22			
20	QPSK	1	99	24.18	24.14	24.24			
20	QPSK	50	0	23.52	23.57	23.57			
20	QPSK	50	24	23.30	23.35	23.35			
20	QPSK	50	50	23.29	23.30	23.35			
20	QPSK	100	0	23.28	23.34	23.37			
20	HQAM	1	0	23.52	23.54	23.62			
20	HQAM	1	49	23.81	23.47	23.49			
20	HQAM	1	99	23.53	23.49	23.55			
20	HQAM	50	0	22.29	22.38	22.39			
20	HQAM	50	24	22.53	22.35	22.46			
20	HQAM	50	50	22.36	22.36	22.36			
20	HQAM	100	0	22.28	22.27	22.35			
20	HQAM	1	0	22.34	22.38	22.36			
20	HQAM	1	49	22.45	22.41	22.35			
20	HQAM	1	99	22.35	22.37	22.39			
20	HQAM	50	0	21.30	21.34	21.35			
20	HQAM	50	24	21.33	21.31	21.37			
20	HQAM	50	50	21.31	21.31	21.37			
20	HQAM	100	0	21.28	21.28	21.33			
20	SSBQAM	1	0	19.07	19.05	19.19			
20	SSBQAM	1	49	19.25	19.02	19.20			
20	SSBQAM	1	99	19.21	19.05	19.21			
20	SSBQAM	50	0	19.13	19.17	19.46			
20	SSBQAM	50	24	19.21	19.21	19.30			
20	SSBQAM	50	50	19.24	19.23	19.26			
20	SSBQAM	100	0	19.19	19.20	19.21			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.19	24.27	24.27			
15	QPSK	1	37	24.20	24.18	24.20			
15	QPSK	1	74	24.21	24.19	24.20			
15	QPSK	36	0	23.29	23.35	23.36			
15	QPSK	36	26	23.30	23.33	23.37			
15	QPSK	36	36	23.29	23.32	23.36			
15	QPSK	75	0	23.29	23.34	23.37			
15	HQAM	1	0	23.52	23.60	23.63			
15	HQAM	1	37	23.59	23.58	23.73			
15	HQAM	1	74	23.49	23.49	23.58			
15	HQAM	36	0	22.27	22.30	22.35			
15	HQAM	36	26	22.30	22.30	22.35			
15	HQAM	36	36	22.28	22.29	22.36			
15	HQAM	75	0	22.26	22.26	22.34			
15	HQAM	1	0	22.38	22.47	22.49			
15	HQAM	1	37	22.48	22.35	22.45			
15	HQAM	1	74	22.45	22.51	22.51			
15	HQAM	36	0	21.28	21.31	21.35			
15	HQAM	36	26	21.26	21.29	21.36			
15	HQAM	36	36	21.30	21.28	21.38			
15	HQAM	75	0	21.26	21.28	21.34			
15	SSBQAM	1	0	19.06	19.02	19.15			
15	SSBQAM	1	37	19.24	19.08	19.18			
15	SSBQAM	1	74	19.26	19.08	19.20			
15	SSBQAM	36	0	19.16	19.16	19.26			
15	SSBQAM	36	26	19.17	19.15	19.23			
15	SSBQAM	36	36	19.18	19.18	19.27			
15	SSBQAM	75	0	19.07	19.16	19.23			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.23	24.26	24.25			
10	QPSK	1	25	24.11	24.19	24.15			
10	QPSK	1	49	24.23	24.20	24.26			
10	QPSK	25	0	23.31	23.31	23.34			
10	QPSK	25	12	23.30	23.31	23.34			
10	QPSK	25	25	23.30	23.30	23.35			
10	QPSK	50	0	23.32	23.35	23.37			
10	HQAM	1	0	23.52	23.60	23.57			
10	HQAM	1	25	23.48	23.51	23.63			
10	HQAM	1	49	23.59	23.48	23.53			
10	HQAM	25	0	22.31	22.34	22.34			
10	HQAM	25	12	22.32	22.33	22.34			
10	HQAM	25	25	22.32	22.31	22.33			
10	HQAM	50	0	22.30	22.32	22.36			
10	HQAM	1	0	22.34	22.41	22.43			
10	HQAM	1	25	22.25	22.31	22.38			
10	HQAM	1	49	22.43	22.33	22.39			
10	HQAM	25	0	21.28	21.32	21.35			
10	HQAM	25	12	21.28	21.31	21.32			
10	HQAM	25	25	21.31	21.30	21.37			
10	HQAM	50	0	21.31	21.31	21.35			
10	SSBQAM	1	0	19.06	19.09	19.18			
10	SSBQAM	1	25	19.12	19.14	19.19			
10	SSBQAM	1	49	19.21	19.18	19.26			
10	SSBQAM	25	0	19.13	19.15	19.21			
10	SSBQAM	25	12	19.15	19.15	19.26			
10	SSBQAM	25	25	19.23	19.20	19.29			
10	SSBQAM	50	0	19.18	19.23	19.29			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.24	24.25	24.26			
5	QPSK	1	12	24.25	24.28	24.26			
5	QPSK	1	24	24.22	24.24	24.25			
5	QPSK	12	0	23.28	23.34	23.34			
5	QPSK	12	7	23.28	23.33	23.35			
5	QPSK	12	13	23.28	23.32	23.35			
5	QPSK	25	0	23.30	23.31	23.32			
5	HQAM	1	0	23.56	23.60	23.59			
5	HQAM	1	12	23.65	23.67	23.69			
5	HQAM	1	24	23.57	23.54	23.57			
5	HQAM	12	0	22.33	22.35	22.37			
5	HQAM	12	7	22.34	22.34	22.37			
5	HQAM	12	13	22.34	22.35	22.40			
5	HQAM	25	0	22.32	22.35	22.34			
5	HQAM	1	0	22.39	22.44	22.44			
5	HQAM	1	12	22.42	22.38	22.41			
5	HQAM	1	24	22.39	22.38	22.39			
5	HQAM	12	0	21.30	21.32	21.39			
5	HQAM	12	7	21.30	21.31	21.37			
5	HQAM	12	13	21.30	21.30	21.37			
5	HQAM	25	0	21.28	21.28	21.34			
5	SSBQAM	1	0	19.09	19.04	19.18			
5	SSBQAM	1	12	19.14	19.11	19.27			
5	SSBQAM	1	24	19.18	19.12	19.19			
5	SSBQAM	12	0	19.10	19.15	19.25			
5	SSBQAM	12	7	19.12	19.16	19.27			
5	SSBQAM	12	13	19.15	19.16	19.25			
5	SSBQAM	25	0	19.15	19.18	19.28			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.24	24.25	24.26			
3	QPSK	1	8	24.20	24.22	24.21			
3	QPSK	14	0	24.24	24.23	24.25			
3	QPSK	1	24	24.22	24.30	24.28			
3	QPSK	8	4	23.27	23.27	23.32			
3	QPSK	8	7	23.28	23.31	23.32			
3	QPSK	16	0	23.27	23.30	23.31			
3	HQAM	1	0	23.47	23.55	23.57			
3	HQAM	1	8	23.48	23.45	23.53			
3	HQAM	1	14	23.50	23.49	23.59			
3	HQAM	8	0	22.31	22.34	22.36			
3	HQAM	8	4	22.35	22.31	22.39			
3	HQAM	8	7	22.33	22.32	22.38			
3	HQAM	16	0	22.28	22.29	22.33			
3	HQAM	1	0	22.45	22.41	22.51			
3	HQAM	1	8	22.38	22.43	22.49			
3	HQAM	1	14	22.40	22.43	22.47			
3	HQAM	8	0	21.31	21.26	21.31			
3	HQAM	8	4	21.30	21.27	21.32			
3	HQAM	8	7	21.31	21.25	21.36			
3	HQAM	16	0	21.29	21.26	21.33			
3	SSBQAM	1	0	19.29	19.19	19.27			
3	SSBQAM	1	8	19.24	19.12	19.23			
3	SSBQAM	1	14	19.31	19.18	19.24			
3	SSBQAM	8	0	19.08	19.14	19.23			
3	SSBQAM	8	4	19.15	19.18	19.24			
3	SSBQAM	8	7	19.18	19.17	19.28			
3	SSBQAM	16	0	19.11	19.14	19.26			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.24	24.25	24.27			
1.4	QPSK	1	3	24.21	24.14	24.17			
1.4	QPSK	1	5	24.28	24.26	24.26			
1.4	QPSK	3	0	24.27	24.26	24.27			
1.4	QPSK	3	1	24.27	24.28	24.26			
1.4	QPSK	3	2	24.27	24.28	24.26			
1.4	QPSK	3	4	24.27	24.28	24.26			
1.4	QPSK	3	6	24.27	24.28	24.26			
1.4	HQAM	1	0	23.52	23.54	23.58			
1.4	HQAM	1	3	23.49	23.49	23.58			
1.4	HQAM	1	5	23.49	23.50	23.59			
1.4	HQAM	3	0	23.36	23.36	23.39			
1.4	HQAM	3	2	23.43	23.42	23.43			
1.4	HQAM	3	3	23.43	23.37	23.39			
1.4	HQAM	3	5	23.43	23.37	23.39			
1.4	HQAM	3	7	23.42	23.37	23.39			
1.4	HQAM	3	9	23.42	23.37	23.39			
1.4	HQAM	3	11	23.42	23.37	23.39			
1.4	HQAM	3	13	23.42	23.37	23.39			
1.4	HQAM	3	15	23.42	23.37	23.39			
1.4	HQAM	3	17	23.42	23.37	23.39			
1.4	HQAM	3	19	23.42	23.37	23.39			
1.4	HQAM	3	21	23.42	23.37	23.39			
1.4	HQAM	3	23	23.42	23.37	23.39			
1.4	HQAM	3	25	23.42	23.37	23.39			

Band 71_Ant 0									
Mod	Modulation	RB Size	RB Offset	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq
Channel				18322	18322	18322	18322	18322	18322
Frequency (MHz)				49.5	49.5	49.5	49.5	49.5	49.5
20	QPSK	1	0	24.29	24.35	24.24			
20	QPSK	1	49	24.28	24.37	24.22			
20	QPSK	1	99	24.28	24.38	24.18			
20	QPSK	50	0	23.37	23.37	23.30			
20	QPSK	50	24	23.38	23.38	23.34			
20	QPSK	50	50	23.32	23.36	23.30			
20	QPSK	100	0	23.34	23.37	23.29			
20	WQAM	1	0	23.38	23.34	23.44			
20	WQAM	1	49	23.28	23.72	23.58			
20	WQAM	1	99	23.39	23.74	23.57			
20	WQAM	50	0	22.39	22.38	22.33			
20	WQAM	50	24	22.37	22.40	22.35			
20	WQAM	50	50	22.34	22.36	22.37			
20	WQAM	100	0	22.33	22.35	22.27			
20	WQAM	1	0	22.27	22.47	22.52			
20	WQAM	1	49	22.26	22.51	22.51			
20	WQAM	1	99	22.30	22.48	22.48			
20	WQAM	50	0	21.37	21.37	21.33			
20	WQAM	50	24	21.37	21.41	21.35			
20	WQAM	50	50	21.36	21.38	21.32			
20	WQAM	100	0	21.33	21.34	21.27			
20	SSBQAM	1	0	19.32	19.27	19.30			
20	SSBQAM	1	49	19.28	19.24	19.23			
20	SSBQAM	1	99	19.18	19.08	19.05			
20	SSBQAM	50	0	19.29	19.35	19.35			
20	SSBQAM	50	24	19.28	19.31	19.23			
20	SSBQAM	50	50	19.15	19.27	19.19			
20	SSBQAM	100	0	19.25	19.30	19.24			
Channel				183197	183197	183197	183197	183197	183197
Frequency (MHz)				49.5	49.5	49.5	49.5	49.5	49.5
15	QPSK	1	0	24.33	24.26	24.28			
15	QPSK	1	37	24.24	24.26	24.18			
15	QPSK	1	74	24.34	24.26	24.35			
15	QPSK	36	0	23.43	23.37	23.36			
15	QPSK	36	26	23.43	23.37	23.37			
15	QPSK	36	36	23.42	23.35	23.34			
15	QPSK	72	0	23.42	23.35	23.38			
15	WQAM	1	0	23.72	23.59	23.65			
15	WQAM	1	37	23.68	23.71	23.67			
15	WQAM	1	74	23.67	23.62	23.54			
15	WQAM	36	0	22.41	22.36	22.34			
15	WQAM	36	26	22.39	22.37	22.34			
15	WQAM	36	36	22.38	22.35	22.33			
15	WQAM	72	0	22.36	22.34	22.35			
15	WQAM	1	0	22.58	22.41	22.48			
15	WQAM	1	37	22.42	22.46	22.43			
15	WQAM	1	74	22.58	22.51	22.41			
15	WQAM	36	0	21.39	21.38	21.34			
15	WQAM	36	26	21.39	21.38	21.35			
15	WQAM	36	36	21.41	21.38	21.34			
15	WQAM	72	0	21.39	21.34	21.30			
15	SSBQAM	1	0	19.35	19.28	19.28			
15	SSBQAM	1	37	19.35	19.24	19.36			
15	SSBQAM	1	74	19.15	19.10	19.08			
15	SSBQAM	36	0	19.44	19.36	19.36			
15	SSBQAM	36	26	19.35	19.31	19.28			
15	SSBQAM	36	36	19.26	19.19	19.22			
15	SSBQAM	72	0	19.25	19.27	19.27			
Channel				183192	183192	183192	183192	183192	183192
Frequency (MHz)				68.5	68.5	68.5	68.5	68.5	68.5
10	QPSK	1	0	24.33	24.33	24.37			
10	QPSK	1	25	24.34	24.23	24.24			
10	QPSK	1	49	24.33	24.31	24.28			
10	QPSK	24	0	23.55	23.44	23.35			
10	QPSK	25	12	23.48	23.40	23.34			
10	QPSK	25	25	23.48	23.39	23.37			
10	QPSK	50	0	23.51	23.42	23.37			
10	WQAM	1	0	23.72	23.68	23.61			
10	WQAM	1	25	23.70	23.69	23.65			
10	WQAM	1	49	23.72	23.73	23.66			
10	WQAM	25	0	22.46	22.40	22.36			
10	WQAM	25	12	22.46	22.43	22.36			
10	WQAM	25	25	22.42	22.40	22.34			
10	WQAM	50	0	22.49	22.41	22.38			
10	WQAM	1	0	22.47	22.30	22.48			
10	WQAM	1	25	22.39	22.48	22.40			
10	WQAM	1	49	22.38	22.54	22.59			
10	WQAM	25	0	21.45	21.39	21.33			
10	WQAM	25	12	21.43	21.39	21.33			
10	WQAM	25	25	21.44	21.40	21.33			
10	WQAM	50	0	21.46	21.40	21.36			
10	SSBQAM	1	0	19.27	19.20	19.30			
10	SSBQAM	1	25	19.24	19.17	19.17			
10	SSBQAM	1	49	19.17	19.21	19.09			
10	SSBQAM	25	0	19.38	19.33	19.32			
10	SSBQAM	25	12	19.33	19.26	19.33			
10	SSBQAM	25	25	19.30	19.27	19.19			
10	SSBQAM	50	0	19.35	19.51	19.52			
Channel				183118	183118	183118	183118	183118	183118
Frequency (MHz)				68.5	68.5	68.5	68.5	68.5	68.5
5	QPSK	1	0	24.33	24.31	24.29			
5	QPSK	1	49	24.31	24.34	24.33			
5	QPSK	1	24	24.30	24.33	24.32			
5	QPSK	12	0	23.42	23.37	23.42			
5	QPSK	12	1	23.41	23.38	23.42			
5	QPSK	12	13	23.39	23.37	23.40			
5	QPSK	25	0	23.44	23.40	23.41			
5	WQAM	1	0	23.70	23.60	23.75			
5	WQAM	1	12	23.72	23.71	23.76			
5	WQAM	1	24	23.56	23.66	23.61			
5	WQAM	12	0	22.42	22.38	22.49			
5	WQAM	12	7	22.43	22.39	22.47			
5	WQAM	12	13	22.42	22.40	22.42			
5	WQAM	25	0	22.40	22.38	22.41			
5	WQAM	1	0	22.53	22.46	22.63			
5	WQAM	1	12	22.54	22.53	22.57			
5	WQAM	1	24	22.54	22.49	22.49			
5	WQAM	12	0	21.39	21.30	21.43			
5	WQAM	12	7	21.39	21.36	21.42			
5	WQAM	12	13	21.41	21.36	21.40			
5	WQAM	25	0	21.38	21.37	21.40			
5	SSBQAM	1	0	19.24	19.17	19.33			
5	SSBQAM	1	12	19.26	19.21	19.25			
5	SSBQAM	1	24	19.17	19.16	19.10			
5	SSBQAM	12	0	19.24	19.22	19.33			
5	SSBQAM	12	7	19.22	19.22	19.28			
5	SSBQAM	12	13	19.18	19.22	19.23			
5	SSBQAM	25	0	19.21	19.27	19.24			

Band 2_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Time slot (ms)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.28	20.31	20.20			20.7	
20	QPSK	1	49	20.28	20.29	20.29				
20	QPSK	1	99	20.20	20.29	20.30				
20	QPSK	50	0	20.41	20.42	20.42				
20	QPSK	50	24	20.41	20.42	20.42			20.7	
20	QPSK	50	50	20.36	20.40	20.41				
20	QPSK	100	0	20.37	20.41	20.39				
20	HQDM	1	0	20.58	20.62	20.47				
20	HQDM	1	49	20.50	20.54	20.50			20.7	
20	HQDM	1	99	20.49	20.58	20.67				
20	HQDM	50	0	20.38	20.40	20.37				
20	HQDM	50	24	20.40	20.44	20.42				
20	HQDM	50	50	20.35	20.42	20.42			20.7	
20	HQDM	100	0	20.35	20.37	20.37				
20	HQDM	1	0	20.47	20.50	20.40				
20	HQDM	1	49	20.45	20.54	20.51				
20	HQDM	1	99	20.34	20.49	20.53			20.7	
20	HQDM	50	0	20.38	20.39	20.38				
20	HQDM	50	24	20.40	20.44	20.42				
20	HQDM	50	50	20.35	20.42	20.42				
20	HQDM	100	0	20.35	20.40	20.38			19.8	
20	SSBDM	1	0	18.86	19.11	18.88				
20	SSBDM	1	49	19.12	19.21	19.09				
20	SSBDM	1	99	19.14	19.22	19.22				
20	SSBDM	50	0	19.17	19.26	19.23				
20	SSBDM	50	24	19.19	19.32	19.26			19.8	
20	SSBDM	50	50	19.18	19.27	19.31				
20	SSBDM	100	0	19.17	19.22	19.17				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.27	20.29	20.25			20.7	
15	QPSK	1	37	20.08	20.21	20.08				
15	QPSK	1	74	20.20	20.26	20.12				
15	QPSK	30	0	20.31	20.38	20.38				
15	QPSK	30	20	20.32	20.37	20.39			20.7	
15	QPSK	30	39	20.31	20.38	20.40				
15	QPSK	70	0	20.31	20.37	20.39				
15	HQDM	1	0	20.58	20.58	20.45				
15	HQDM	1	37	20.59	20.58	20.52			20.7	
15	HQDM	1	74	20.55	20.54	20.63				
15	HQDM	30	0	20.38	20.37	20.33				
15	HQDM	30	20	20.38	20.38	20.39				
15	HQDM	30	39	20.33	20.37	20.40			20.7	
15	HQDM	70	0	20.34	20.36	20.36				
15	HQDM	1	0	20.49	20.51	20.39				
15	HQDM	1	37	20.67	20.47	20.68				
15	HQDM	1	74	20.46	20.53	20.54			20.7	
15	HQDM	30	0	20.34	20.37	20.38				
15	HQDM	30	20	20.34	20.38	20.38				
15	HQDM	30	39	20.34	20.39	20.40				
15	HQDM	70	0	20.31	20.37	20.37			19.8	
15	SSBDM	1	0	19.06	19.12	19.13				
15	SSBDM	1	37	19.01	19.13	19.10				
15	SSBDM	1	74	19.05	19.05	19.04				
15	SSBDM	30	0	19.10	19.10	19.10			19.8	
15	SSBDM	30	20	19.10	19.20	19.21				
15	SSBDM	30	39	19.12	19.14	19.21				
15	SSBDM	70	0	19.10	19.08	19.10				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.25	20.19	20.20			20.7	
10	QPSK	1	12	20.08	20.16	20.00				
10	QPSK	1	24	20.17	20.21	20.27				
10	QPSK	12	0	20.24	20.34	20.26				
10	QPSK	12	7	20.30	20.29	20.39			20.7	
10	QPSK	12	13	20.29	20.35	20.40				
10	QPSK	25	0	20.31	20.31	20.31				
10	HQDM	1	0	20.54	20.50	20.41				
10	HQDM	1	10	20.52	20.54	20.42			20.7	
10	HQDM	1	24	20.47	20.52	20.57				
10	HQDM	12	0	20.35	20.38	20.23				
10	HQDM	12	7	20.28	20.38	20.39				
10	HQDM	12	13	20.24	20.31	20.30			20.7	
10	HQDM	20	0	20.25	20.32	20.28				
10	HQDM	20	0	20.25	20.32	20.28				
10	HQDM	1	0	20.43	20.42	20.35				
10	HQDM	1	10	20.51	20.37	20.48			20.7	
10	HQDM	1	24	20.38	20.51	20.51				
10	HQDM	12	0	20.28	20.30	20.28				
10	HQDM	12	7	20.13	20.33	20.38				
10	HQDM	12	13	20.26	20.34	20.32			20.7	
10	HQDM	20	0	20.28	20.36	20.31				
10	HQDM	20	0	19.09	19.14	19.10				
10	SSBDM	1	0	19.08	19.02	19.06				
10	SSBDM	1	10	19.03	19.11	19.05			19.8	
10	SSBDM	1	20	19.07	19.15	19.17				
10	SSBDM	12	0	19.20	19.16	19.07				
10	SSBDM	12	7	19.08	19.16	19.15				
10	SSBDM	20	0	19.11	19.04	19.17			19.8	
10	SSBDM	20	0	19.11	19.09	19.10				
10	SSBDM	20	0	19.11	19.09	19.10				
10	SSBDM	20	0	19.11	19.09	19.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.27	20.25	20.25			20.7	
5	QPSK	1	8	20.08	20.11	19.99				
5	QPSK	14	0	20.10	20.24	20.32				
5	QPSK	8	0	20.23	20.36	20.32				
5	QPSK	8	4	20.27	20.32	20.20			20.7	
5	QPSK	8	7	20.30	20.29	20.31				
5	QPSK	10	0	20.29	20.36	20.31				
5	HQDM	1	0	20.50	20.58	20.50				
5	HQDM	1	8	20.55	20.46	20.45			20.7	
5	HQDM	1	14	20.47	20.52	20.58				
5	HQDM	8	0	20.34	20.36	20.36				
5	HQDM	8	4	20.36	20.33	20.31				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM	8	4	20.36	20.30	20.50				
5	HQDM	8	7	20.32	20.32	20.32			20.7	
5	HQDM	10	0	20.34	20.38	20.38				
5	HQDM	1	0	20.40	20.47	20.29				
5	HQDM	1	8	20.48	20.39	20.54				
5	HQDM	14	0	20.46	20.43	20.50			20.7	
5	HQDM	8	0	20.32	20.36	20.28				
5	HQDM									

Band 4_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Time- slot	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.32	21.37	21.39			
20	QPSK	1	49	21.38	21.39	21.39			22
20	QPSK	1	99	21.37	21.38	21.39			
20	QPSK	50	0	21.46	21.49	21.53			
20	QPSK	50	24	21.50	21.48	21.43			
20	QPSK	50	50	21.46	21.46	21.43			22
20	QPSK	100	0	21.44	21.44	21.45			
20	HQAM	1	49	21.52	21.71	21.84			
20	HQAM	1	49	21.89	21.88	21.57			22
20	HQAM	1	99	21.87	21.54	21.60			
20	HQAM	50	0	21.49	21.49	21.50			
20	HQAM	50	24	21.52	21.48	21.48			22
20	HQAM	50	50	21.49	21.49	21.44			
20	HQAM	100	0	21.46	21.44	21.43			
20	HQAM	1	0	21.53	21.80	21.53			
20	HQAM	1	49	21.81	21.51	21.41			22
20	HQAM	1	99	21.55	21.58	21.50			
20	HQAM	50	0	21.19	21.19	21.18			
20	HQAM	50	24	21.24	21.20	21.18			21.5
20	HQAM	50	50	21.21	21.13	21.15			
20	HQAM	100	0	21.17	21.14	21.13			
20	SSBQAM	1	0	19.07	19.12	19.13			19.9
20	SSBQAM	1	49	18.99	19.10	19.07			
20	SSBQAM	1	99	19.05	19.03	18.95			
20	SSBQAM	50	0	19.09	19.17	19.15			
20	SSBQAM	50	24	19.16	19.15	18.96			19.9
20	SSBQAM	50	50	19.03	19.12	19.20			
20	SSBQAM	100	0	19.18	19.10	19.14			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.39	21.39	21.44			
15	QPSK	1	37	21.33	21.30	21.32			22
15	QPSK	1	74	21.36	21.30	21.38			
15	QPSK	36	0	21.43	21.46	21.49			
15	QPSK	36	26	21.45	21.43	21.48			22
15	QPSK	36	36	21.43	21.44	21.47			
15	QPSK	75	0	21.41	21.45	21.48			
15	HQAM	1	0	21.60	21.70	21.65			22
15	HQAM	1	37	21.59	21.63	21.59			
15	HQAM	1	74	21.70	21.59	21.70			
15	HQAM	36	0	21.44	21.47	21.49			
15	HQAM	36	26	21.49	21.44	21.49			22
15	HQAM	36	36	21.50	21.44	21.48			
15	HQAM	75	0	21.44	21.42	21.48			
15	HQAM	1	0	21.60	21.70	21.55			
15	HQAM	1	37	21.51	21.48	21.58			22
15	HQAM	1	74	21.62	21.55	21.64			
15	HQAM	36	0	21.18	21.18	21.18			
15	HQAM	36	26	21.18	21.15	21.19			21.5
15	HQAM	36	36	21.22	21.11	21.17			
15	HQAM	75	0	21.17	21.12	21.16			
15	SSBQAM	1	0	19.06	19.16	19.08			19.9
15	SSBQAM	1	37	19.09	19.07	19.07			
15	SSBQAM	1	74	19.02	19.06	19.03			
15	SSBQAM	36	0	19.16	19.12	19.12			
15	SSBQAM	36	26	19.15	19.17	19.01			19.9
15	SSBQAM	36	36	19.04	19.20	19.13			
15	SSBQAM	75	0	19.13	19.12	19.17			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.34	21.39	21.39			
10	QPSK	1	25	21.33	21.23	21.27			22
10	QPSK	1	49	21.35	21.27	21.35			
10	QPSK	25	0	21.34	21.37	21.43			
10	QPSK	25	12	21.36	21.38	21.39			22
10	QPSK	25	25	21.42	21.42	21.37			
10	QPSK	50	0	21.37	21.38	21.41			
10	HQAM	1	0	21.53	21.68	21.58			22
10	HQAM	1	25	21.61	21.57	21.60			
10	HQAM	1	49	21.66	21.53	21.67			
10	HQAM	25	0	21.40	21.43	21.41			22
10	HQAM	25	12	21.40	21.39	21.46			
10	HQAM	25	25	21.40	21.35	21.39			
10	HQAM	50	0	21.34	21.39	21.48			
10	HQAM	1	0	21.57	21.62	21.47			22
10	HQAM	1	25	21.49	21.45	21.54			
10	HQAM	1	49	21.52	21.54	21.63			
10	HQAM	25	0	21.17	21.07	21.12			21.5
10	HQAM	25	12	21.08	21.10	21.09			
10	HQAM	25	25	21.15	21.06	21.18			
10	HQAM	50	0	21.16	21.12	21.11			
10	SSBQAM	1	0	19.08	19.19	19.13			19.9
10	SSBQAM	1	25	19.05	19.13	19.11			
10	SSBQAM	1	49	19.09	19.01	19.09			
10	SSBQAM	25	0	19.08	19.18	19.08			
10	SSBQAM	25	12	19.15	19.16	19.06			19.9
10	SSBQAM	25	25	19.06	19.16	19.22			
10	SSBQAM	50	0	19.11	19.08	19.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.31	21.37	21.37			
5	QPSK	1	49	21.32	21.23	21.32			22
5	QPSK	1	24	21.30	21.25	21.33			
5	QPSK	12	0	21.38	21.42	21.43			22
5	QPSK	12	6	21.37	21.41	21.43			
5	QPSK	12	13	21.43	21.41	21.45			
5	QPSK	25	0	21.38	21.43	21.45			
5	HQAM	1	0	21.59	21.68	21.64			22
5	HQAM	1	12	21.59	21.59	21.59			
5	HQAM	1	24	21.60	21.57	21.59			
5	HQAM	12	0	21.38	21.46	21.39			22
5	HQAM	12	7	21.39	21.38	21.48			
5	HQAM	12	13	21.50	21.34	21.36			22
5	HQAM	25	0	21.38	21.41	21.47			
5	HQAM	1	0	21.59	21.67	21.48			22
5	HQAM	1	12	21.51	21.43	21.51			
5	HQAM	1	24	21.87	21.84	21.81			
5	HQAM	12	0	21.18	21.14	21.13			21.5
5	HQAM	12	7	21.12	21.15	21.16			
5	HQAM	12	13	21.17	21.07	21.11			
5	HQAM	25	0	21.17	21.02	21.39			
5	SSBQAM	1	0	19.09	19.19	19.12			19.9
5	SSBQAM	1	12	19.07	19.09	19.09			
5	SSBQAM	1	24	19.02	19.07	19.09			
5	SSBQAM	12	0	19.10	19.16	19.11			
5	SSBQAM	12	7	19.16	19.22	19.02			19.9
5	SSBQAM	12	13	19.07	19.16	19.22			
5	SSBQAM	25	0	19.07	19.08	19.13			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.31	21.37	21.42			
3	QPSK	1	8	21.30	21.24	21.30			22
3	QPSK	14	0	21.28	21.24	21.38			
3	QPSK	8	0	21.42	21.43	21.43			22
3	QPSK	8	4	21.38	21.36	21.39			
3	QPSK	8	7	21.38	21.35	21.45			
3	QPSK	16	0	21.59	21.59	21.59			
3	HQAM	1	0	21.55	21.62	21.58			22
3	HQAM	1	8	21.63	21.61	21.61			
3	HQAM	1	14	21.65	21.49	21.69			
3	HQAM	8	0	21.36	21.46	21.43			22
3	HQAM	8	4	21.47	21.37	21.41			
3	HQAM	8	7	21.43	21.38	21.41			
3	HQAM	16	0	21.44	21.42	21.48			
3	HQAM	1	0	21.54	21.64	21.55			22
3	HQAM	1	8	21.48	21.47	21.49			
3	HQAM	1	14	21.67	21.64	21.60			
3	HQAM	8	0	21.14	21.07	21.16			21.5
3	HQAM	8	4	21.16	21.08	21.09			
3	HQAM	8	7	21.17	21.08	21.17			
3	HQAM	16	0	21.11	21.12	21.16			
3	SSBQAM	1	0	19.09	19.13	19.13			19.9
3	SSBQAM	1	8	19.09	19.11	19.12			
3	SSBQAM	1	14	19.09	19.04	19.07			
3	SSBQAM	8	0	19.09	19.21	19.10			
3	SSBQAM	8	4	19.13	19.18	19.02			19.9
3	SSBQAM	8	7	19.11	19.10	19.21			
3	SSBQAM	16	0	19.13	19.09	19.16			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.34	21.38	21.43			
1.4	QPSK	1	3	21.35	21.32	21.41			2

Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Power Avg	Time-to-Acq (ms)	
Channel				20660	21060	21460			
Frequency (MHz)				2450	2490	2530			
20	QPSK	1	0	18.95	19.92	19.80			
20	QPSK	1	49	18.95	19.94	19.80			19.8
20	QPSK	1	99	19.06	19.97	19.94			
20	QPSK	50	0	19.10	19.95	19.97			
20	QPSK	50	24	19.13	19.95	19.12			
20	QPSK	50	50	19.19	19.98	19.18			19.8
20	QPSK	100	0	19.08	19.92	19.94			
20	HQAM	1	0	19.21	19.21	19.18			
20	HQAM	1	49	19.22	19.25	19.18			19.8
20	HQAM	1	99	19.28	19.32	19.35			
20	HQAM	50	0	19.07	19.95	19.95			
20	HQAM	50	24	19.16	19.10	19.13			
20	HQAM	50	50	19.17	19.09	19.16			19.8
20	HQAM	100	0	19.10	19.01	19.04			
20	HQAM	1	0	19.14	19.13	19.08			
20	HQAM	1	49	19.24	19.21	19.15			19.8
20	HQAM	1	99	19.28	19.24	19.32			
20	HQAM	50	0	19.13	19.07	19.05			
20	HQAM	50	24	19.18	19.10	19.13			19.8
20	HQAM	50	50	19.18	19.11	19.17			
20	HQAM	100	0	19.08	19.01	19.03			
20	256QAM	1	0	19.00	19.00	19.03			19.8
20	256QAM	1	49	19.19	19.16	19.00			
20	256QAM	1	99	19.08	19.07	19.09			
20	256QAM	50	0	19.09	19.03	19.01			
20	256QAM	50	24	19.10	19.03	19.10			19.8
20	256QAM	50	50	19.10	19.00	19.02			
20	256QAM	100	0	19.05	19.08	19.01			
Channel				20660	21060	21460			
Frequency (MHz)				2561.5	2601	2641.5			
15	QPSK	1	0	18.85	18.89	18.87			
15	QPSK	1	37	18.86	18.88	18.88			19.8
15	QPSK	1	74	18.99	19.00	19.05			
15	QPSK	36	0	19.04	19.07	19.08			
15	QPSK	36	26	18.98	18.98	19.02			19.8
15	QPSK	36	36	19.01	19.00	19.06			
15	QPSK	75	0	18.98	18.97	19.02			
15	HQAM	1	0	19.17	19.25	19.09			
15	HQAM	1	37	19.15	19.21	19.15			19.8
15	HQAM	1	74	19.30	19.29	19.25			
15	HQAM	36	0	19.06	19.01	19.09			
15	HQAM	36	26	19.02	19.03	19.03			19.8
15	HQAM	36	36	19.06	19.04	19.10			
15	HQAM	75	0	19.06	19.00	19.03			
15	HQAM	1	0	19.10	19.13	19.10			
15	HQAM	1	37	19.30	19.10	19.15			19.8
15	HQAM	1	74	19.29	19.29	19.28			
15	HQAM	36	0	18.99	19.04	18.99			
15	HQAM	36	26	19.04	19.06	19.06			19.8
15	HQAM	36	36	19.07	19.06	19.11			
15	HQAM	75	0	18.98	18.96	19.00			
15	256QAM	1	0	19.01	19.12	19.04			
15	256QAM	1	37	19.19	19.00	19.06			19.8
15	256QAM	1	74	19.21	19.04	19.04			
15	256QAM	36	0	19.11	19.14	19.09			
15	256QAM	36	26	19.04	19.05	19.02			19.8
15	256QAM	36	36	19.14	19.09	19.13			
15	256QAM	75	0	19.01	19.07	19.06			
Channel				20660	21060	21460			
Frequency (MHz)				2655	2695	2735			
10	QPSK	1	0	18.84	18.86	18.91			
10	QPSK	1	25	18.78	18.79	18.79			19.8
10	QPSK	1	49	18.91	18.95	19.04			
10	QPSK	25	0	18.85	19.00	19.07			
10	QPSK	25	12	18.93	18.92	18.97			19.8
10	QPSK	25	25	18.93	18.98	18.96			
10	QPSK	50	0	18.93	19.04	19.01			
10	HQAM	1	0	19.08	19.18	19.07			
10	HQAM	1	25	19.08	19.14	19.04			19.8
10	HQAM	1	49	19.21	19.20	19.21			
10	HQAM	25	0	18.97	19.00	19.01			
10	HQAM	25	12	18.96	19.07	19.03			19.8
10	HQAM	25	25	18.98	18.98	19.02			
10	HQAM	50	0	18.92	19.00	19.02			
10	HQAM	1	0	19.00	19.12	19.00			19.8
10	HQAM	1	25	19.22	19.00	19.07			
10	HQAM	1	49	19.28	19.24	19.23			
10	HQAM	25	0	18.95	19.06	19.07			
10	HQAM	25	12	18.97	19.01	19.03			19.8
10	HQAM	25	25	18.97	19.02	19.03			
10	256QAM	50	0	18.99	18.96	19.06			
10	256QAM	1	0	19.18	19.03	19.03			19.8
10	256QAM	1	25	19.10	19.00	19.00			
10	256QAM	1	49	19.12	19.05	19.04			
10	256QAM	25	0	19.02	19.05	19.00			
10	256QAM	25	12	18.96	19.06	19.03			19.8
10	256QAM	25	25	19.11	19.02	19.09			
10	256QAM	50	0	18.98	18.99	19.05			
Channel				2737.5	2777	2817.5			
Frequency (MHz)				2922.5	2962	3002.5			
5	QPSK	1	0	18.81	18.86	18.87			
5	QPSK	1	49	18.81	18.84	18.80			19.8
5	QPSK	1	24	18.97	18.94	19.05			
5	QPSK	12	0	18.91	18.95	19.02			
5	QPSK	12	1	18.88	19.01	19.06			
5	QPSK	12	13	18.92	18.96	19.05			19.8
5	QPSK	25	0	18.94	18.88	18.96			
5	HQAM	1	0	19.12	19.20	19.07			
5	HQAM	1	12	19.14	19.11	19.13			19.8
5	HQAM	1	24	19.30	19.20	19.24			
5	HQAM	12	0	18.98	18.93	18.91			
5	HQAM	12	7	18.92	18.93	18.95			19.8
5	HQAM	12	13	19.00	18.94	19.00			
5	HQAM	25	0	19.08	19.08	19.08			
5	HQAM	1	0	19.00	19.12	19.02			19.8
5	HQAM	1	24	19.22	19.01	19.08			
5	HQAM	1	24	19.25	19.20	19.20			
5	HQAM	12	0	18.91	19.03	18.99			
5	HQAM	12	7	18.94	19.02	19.09			19.8
5	HQAM	12	13	19.01	19.07	19.04			
5	HQAM	25	0	18.90	18.98	18.92			
5	256QAM	1	0	19.11	19.00	19.08			19.8
5	256QAM	1	12	19.09	19.09	19.04			
5	256QAM	1	24	19.12	19.09	19.04			
5	256QAM	12	0	19.03	19.12	19.02			
5	256QAM	12	7	18.99	18.99	19.01			19.8
5	256QAM	12	13	19.09	19.02	19.05			
5	256QAM	25	0	18.98	18.88	18.97			

Band 25_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Power Peak Ch / Freq	Time-slot (ms)
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.28	20.27	20.23			20.7
20	QPSK	1	49	20.28	20.26	20.28			
20	QPSK	1	99	20.19	20.24	20.23			
20	QPSK	50	0	20.39	20.37	20.37			
20	QPSK	50	24	20.40	20.38	20.41			
20	QPSK	50	50	20.35	20.34	20.38			
20	QPSK	100	0	20.37	20.35	20.38			
20	HQAM	1	0	20.55	20.53	20.55			
20	HQAM	1	49	20.53	20.47	20.55			
20	HQAM	1	99	20.45	20.52	20.51			
20	HQAM	50	0	20.38	20.35	20.37			
20	HQAM	50	24	20.59	20.41	20.42			
20	HQAM	50	50	20.35	20.37	20.40			
20	HQAM	100	0	20.35	20.33	20.38			
20	HQAM	1	0	20.48	20.44	20.42			
20	HQAM	1	49	20.48	20.46	20.41			
20	HQAM	1	99	20.38	20.50	20.48			
20	HQAM	50	0	20.38	20.36	20.38			
20	HQAM	50	24	20.38	20.40	20.43			
20	HQAM	50	50	20.35	20.35	20.41			
20	HQAM	100	0	20.36	20.36	20.38			
20	SSBQAM	1	0	19.05	19.20	19.08			
20	SSBQAM	1	49	19.02	19.11	19.05			
20	SSBQAM	1	99	19.00	19.09	19.09			
20	SSBQAM	50	0	19.10	19.19	19.10			
20	SSBQAM	50	24	19.16	19.20	19.92			
20	SSBQAM	50	50	19.09	19.11	19.16			
20	SSBQAM	100	0	19.14	19.08	19.18			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.25	20.28	20.28			20.7
15	QPSK	1	37	20.11	20.20	20.23			
15	QPSK	74	74	20.34	20.36	20.39			
15	QPSK	36	0	20.35	20.34	20.39			
15	QPSK	36	26	20.35	20.38	20.40			
15	QPSK	36	39	20.33	20.38	20.40			
15	QPSK	75	0	20.34	20.37	20.39			
15	HQAM	1	0	20.55	20.56	20.59			
15	HQAM	1	37	20.52	20.63	20.61			
15	HQAM	1	74	20.54	20.56	20.55			
15	HQAM	36	0	20.35	20.34	20.41			
15	HQAM	36	26	20.35	20.33	20.40			
15	HQAM	36	39	20.32	20.35	20.39			
15	HQAM	75	0	20.32	20.32	20.38			
15	HQAM	1	37	20.45	20.51	20.49			
15	HQAM	1	74	20.43	20.47	20.43			
15	HQAM	36	0	20.34	20.36	20.42			
15	HQAM	36	26	20.33	20.35	20.42			
15	HQAM	36	39	20.32	20.35	20.40			
15	HQAM	75	0	20.32	20.33	20.40			
15	SSBQAM	1	0	19.04	19.14	19.15			
15	SSBQAM	1	37	19.04	19.12	19.12			
15	SSBQAM	1	74	19.05	19.02	19.05			
15	SSBQAM	36	0	19.05	19.02	19.04			
15	SSBQAM	36	26	19.15	19.22	19.04			
15	SSBQAM	36	39	19.11	19.12	19.22			
15	SSBQAM	75	0	19.05	19.05	19.18			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.19	20.19	20.21			20.7
10	QPSK	1	25	20.05	20.17	20.21			
10	QPSK	1	49	20.18	20.18	20.25			
10	QPSK	24	0	20.35	20.32	20.37			
10	QPSK	25	12	20.26	20.27	20.32			
10	QPSK	25	25	20.23	20.28	20.40			
10	QPSK	50	0	20.30	20.31	20.38			
10	HQAM	1	0	20.46	20.55	20.49			
10	HQAM	1	25	20.58	20.63	20.60			
10	HQAM	1	49	20.45	20.52	20.48			
10	HQAM	25	0	20.30	20.29	20.40			
10	HQAM	25	12	20.30	20.30	20.35			
10	HQAM	25	25	20.24	20.28	20.39			
10	HQAM	50	0	20.28	20.30	20.30			
10	HQAM	1	0	20.42	20.51	20.43			
10	HQAM	1	25	20.40	20.47	20.47			
10	HQAM	1	49	20.31	20.44	20.38			
10	HQAM	25	0	20.30	20.32	20.41			
10	HQAM	25	12	20.26	20.35	20.42			
10	HQAM	25	25	20.27	20.28	20.39			
10	HQAM	50	0	20.23	20.30	20.36			
10	SSBQAM	1	0	19.02	19.15	19.18			
10	SSBQAM	1	25	19.05	19.10	19.10			
10	SSBQAM	1	49	19.08	19.01	19.02			
10	SSBQAM	25	0	19.11	19.19	19.15			
10	SSBQAM	25	12	19.18	19.14	19.07			
10	SSBQAM	25	25	19.08	19.11	19.18			
10	SSBQAM	50	0	19.12	19.12	19.12			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.20	20.27	20.29			20.7
5	QPSK	1	12	20.06	20.16	20.16			
5	QPSK	1	24	20.19	20.23	20.27			
5	QPSK	12	0	20.34	20.24	20.36			
5	QPSK	12	7	20.29	20.28	20.37			
5	QPSK	12	13	20.32	20.27	20.39			
5	QPSK	25	0	20.33	20.28	20.34			
5	HQAM	1	0	20.54	20.55	20.49			
5	HQAM	1	12	20.62	20.58	20.51			
5	HQAM	1	24	20.54	20.50	20.45			
5	HQAM	12	0	20.35	20.28	20.32			
5	HQAM	12	7	20.25	20.32	20.34			
5	HQAM	12	13	20.28	20.27	20.31			
5	HQAM	25	0	20.32	20.32	20.29			
5	HQAM	1	0	20.49	20.52	20.38			
5	HQAM	1	12	20.45	20.43	20.39			
5	HQAM	1	24	20.36	20.40	20.39			
5	HQAM	12	0	20.26	20.28	20.37			
5	HQAM	12	7	20.25	20.28	20.36			
5	HQAM	12	13	20.32	20.35	20.37			
5	HQAM	25	0	20.27	20.24	20.31			
5	SSBQAM	1	0	19.08	19.17	19.14			
5	SSBQAM	1	12	19.34	19.05	19.12			
5	SSBQAM	1	24	19.09	19.02	19.04			
5	SSBQAM	12	0	19.10	19.23	19.14			
5	SSBQAM	12	7	19.13	19.14	19.09			
5	SSBQAM	12	13	19.13	19.15	19.13			
5	SSBQAM	25	0	19.16	19.08	19.20			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.16	20.19	20.18			20.7
3	QPSK	1	8	20.08	20.13	20.18			
3	QPSK	1	14	20.20	20.18	20.19			
3	QPSK	8	0	20.25	20.30	20.33			
3	QPSK	8	4	20.35	20.32	20.35			
3	QPSK	8	7	20.28	20.32	20.37			
3	QPSK	16	0	20.34	20.37	20.34			
3	HQAM	1	0	20.55	20.49	20.52			
3	HQAM	1	8	20.53	20.57	20.51			
3	HQAM	1	14	20.50	20.52	20.45			
3	HQAM	8	0	20.36	20.34	20.31			
3	HQAM	8	4	20.35	20.23	20.32			
3	HQAM	8	7	20.24	20.33	20.32			
3	HQAM	16	0	20.22	20.27	20.38			
3	HQAM	1	0	20.48	20.45	20.42			
3	HQAM	1	8	20.39	20.50	20.45			
3	HQAM	1	14	20.40	20.44	20.36			
3	HQAM	8	0	20.25	20.30	20.32			
3	HQAM	8	4	20.28	20.35	20.39			
3	HQAM	8	7	20.27	20.34	20.39			
3	HQAM	16	0	20.22	20.29	20.34			
3	SSBQAM	1	0	19.06	19.21	19.13			
3	SSBQAM	1	8	19.03	19.14	19.06			
3	SSBQAM	1	14	19.08	19.09	19.07			
3	SSBQAM	8	0	19.11	19.22	19.13			
3	SSBQAM	8	4	19.17	19.23	19.03			
3	SSBQAM	8	7	19.09	19.12	19.19			
3	SSBQAM	16	0	19.12	19.02	19.18			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.27	20.25	20.23			19.6
1.4	QPSK	1	3	20.24	20.19	20.16			
1.4	QPSK	3	0	20.30	20.25	20.20			
1.4	QPSK	3	1	20.36	20.29	20.25			
1.4	QPSK	3	2	20.32	20.27	20.22			
1.4	QPSK	8	0	20.31	20.25	20.21			
1.4	HQAM	1	0	20.51	20.43	20.42			
1.4	HQAM	1	3	20.52	20.43	20.41			
1.4	HQAM	1	5	20.52	20.44	20.43			
1.4	HQAM	3	0	20.37	20.34	20.33			
1.4	HQAM	3	1	20.44	20.37	20.34			
1.4	HQAM	3	2	20.40	20.34	20.30			
1.4	HQAM	8	0	20.30	20.24	20.27			
1.4	HQAM	1	0	20.50	20.38	20.30			
1.4	HQAM	1	3	20.37	20.31	20.25			
1.4	HQAM	1	5	20.44	20.34	20.34			
1.4	HQAM	3	0	20.34	20.33	20.28			
1.4	HQAM	3	1	20.41	20.44	20.39			
1.4	HQAM	3	2	20.37	20.40	20.35			
1.4	HQAM	8	0	20.27	20.25	20.19			
1.4	SSBQAM	1	0	19.07	19.15	19.17			
1.4	SSBQAM	1	3	19.08	19.21	19.15			
1.4	SSBQAM	1	5	19.09	19.21	19.15			
1.4	SSBQAM	3	0	19.06	19.21	19.15			
1.4	SSBQAM	3	1	19.07	19.23	19.19			
1.4	SSBQAM	3	2	19.08	19.21	19.21			



Band 30_Ant 2							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-to-Air (s)
Channel				27710			Time-to-Air (s)
Frequency (MHz)				2410			
10	QPSK	1	0		19.75		20.4
10	QPSK	1	25		19.75		
10	QPSK	1	49		19.75		
10	QPSK	25	0		19.80		20.4
10	QPSK	25	12		19.78		
10	QPSK	25	25		19.78		
10	QPSK	50	0		19.83		20.4
10	HQDM	1	0		20.11		
10	HQDM	1	25		19.83		
10	HQDM	1	49		20.03		20.4
10	HQDM	25	0		19.81		
10	HQDM	25	10		19.81		
10	HQDM	25	25		19.80		20.4
10	HQDM	50	0		19.82		
10	HQDM	1	0		19.95		
10	HQDM	1	25		20.02		20.4
10	HQDM	1	49		19.90		
10	HQDM	25	0		19.81		
10	HQDM	25	12		19.80		20.4
10	HQDM	25	25		19.80		
10	HQDM	50	0		19.84		
10	256QAM	1	0		19.47		19.8
10	256QAM	1	25		19.28		
10	256QAM	1	49		19.29		
10	256QAM	25	0		19.54		19.8
10	256QAM	25	12		19.54		
10	256QAM	25	25		19.44		
Channel <td>27685</td> <td>27710</td> <td>27735</td> <th>Time-to-Air (s)</th>				27685	27710	27735	Time-to-Air (s)
Frequency (MHz)				2413.5 <th>2410<th>2413.5<th rowspan="2">Time-to-Air (s)</th></th></th>	2410 <th>2413.5<th rowspan="2">Time-to-Air (s)</th></th>	2413.5 <th rowspan="2">Time-to-Air (s)</th>	Time-to-Air (s)
5	QPSK	1	0	19.81	19.71	19.73	
5	QPSK	1	10	19.60	19.68	19.74	20.4
5	QPSK	1	24	19.61	19.71	19.71	
5	QPSK	12	0	19.87	19.77	19.77	
5	QPSK	12	7	19.68	19.76	19.78	20.4
5	QPSK	12	13	19.68	19.75	19.74	
5	QPSK	25	0	19.70	19.77	19.73	
5	HQDM	1	0	19.92	20.09	20.10	20.4
5	HQDM	1	12	19.92	20.08	19.97	
5	HQDM	1	24	19.99	20.08	20.02	
5	HQDM	12	0	19.72	19.81	19.84	20.4
5	HQDM	12	7	19.74	19.82	19.84	
5	HQDM	12	13	19.73	19.82	19.81	
5	HQDM	25	0	19.73	19.76	19.81	20.4
5	HQDM	1	0	19.88	20.02	20.00	
5	HQDM	1	10	19.89	19.78	19.93	
5	HQDM	1	24	19.93	19.94	19.92	20.4
5	HQDM	12	0	19.89	19.80	19.84	
5	HQDM	12	7	19.73	19.80	19.82	
5	HQDM	12	13	19.71	19.79	19.81	20.4
5	HQDM	25	0	19.73	19.76	19.80	
5	HQDM	25	0	19.73	19.76	19.80	
5	256QAM	1	0	19.47	19.40	19.48	19.8
5	256QAM	1	12	19.42	19.31	19.26	
5	256QAM	1	24	19.47	19.37	19.30	
5	256QAM	12	0	19.44	19.46	19.53	19.8
5	256QAM	12	7	19.45	19.45	19.41	
5	256QAM	12	13	19.43	19.39	19.45	
5	256QAM	25	0	19.57	19.49	19.45	

Band 66_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Power Avg Ch / Freq	Power Min Ch / Freq	Power Max Ch / Freq
Channel 130072 130072 130072										
Frequency (MHz)										
20	QPSK	1	0	21.46	21.46	21.46				
20	QPSK	1	49	21.46	21.41	21.45				22
20	QPSK	1	99	21.59	21.58	21.46				
20	QPSK	50	0	21.61	21.62	21.60				
20	QPSK	50	24	21.65	21.66	21.64				22
20	QPSK	50	50	21.62	21.56	21.64				
20	QPSK	100	0	21.59	21.55	21.58				
20	HQAM	1	0	21.78	21.75	21.77				
20	HQAM	1	49	21.73	21.81	21.67				22
20	HQAM	1	99	21.83	21.67	21.79				
20	HQAM	50	0	21.62	21.59	21.65				
20	HQAM	50	24	21.67	21.58	21.63				22
20	HQAM	50	50	21.67	21.56	21.64				
20	HQAM	100	0	21.57	21.52	21.56				
20	HQAM	1	0	21.76	21.83	21.71				
20	HQAM	1	49	21.77	21.65	21.81				22
20	HQAM	1	99	21.72	21.59	21.68				
20	HQAM	50	0	21.36	21.29	21.29				
20	HQAM	50	24	21.38	21.28	21.34				21.5
20	HQAM	50	50	21.37	21.25	21.32				
20	HQAM	100	0	21.33	21.23	21.26				
20	SSBQAM	1	0	19.08	19.21	19.17				19.9
20	SSBQAM	1	49	19.03	19.12	19.12				
20	SSBQAM	1	99	19.09	19.03	19.05				
20	SSBQAM	50	0	19.14	19.18	19.08				
20	SSBQAM	50	24	19.16	19.17	19.06				19.9
20	SSBQAM	50	50	19.07	19.17	19.17				
20	SSBQAM	100	0	19.12	19.11	19.10				
Channel 130047 130047 130047										
Frequency (MHz)										
15	QPSK	1	0	21.58	21.53	21.52				
15	QPSK	1	37	21.52	21.45	21.48				22
15	QPSK	74	74	21.61	21.50	21.55				
15	QPSK	36	0	21.61	21.55	21.59				
15	QPSK	36	26	21.63	21.54	21.60				22
15	QPSK	36	36	21.62	21.54	21.60				
15	QPSK	75	0	21.62	21.57	21.59				
15	HQAM	1	0	21.76	21.73	21.81				
15	HQAM	1	37	21.79	21.69	21.72				22
15	HQAM	1	74	21.81	21.68	21.76				
15	HQAM	36	0	21.62	21.56	21.59				
15	HQAM	36	26	21.66	21.55	21.60				22
15	HQAM	36	36	21.65	21.54	21.63				
15	HQAM	75	0	21.66	21.62	21.58				
15	HQAM	1	0	21.79	21.77	21.70				22
15	HQAM	1	37	21.76	21.68	21.72				
15	HQAM	1	74	21.80	21.65	21.60				
15	HQAM	36	0	21.34	21.24	21.28				
15	HQAM	36	26	21.36	21.24	21.30				21.5
15	HQAM	36	36	21.36	21.22	21.30				
15	HQAM	75	0	21.28	21.21	21.25				
15	SSBQAM	1	0	19.01	19.16	19.18				19.9
15	SSBQAM	1	37	19.04	19.13	19.05				
15	SSBQAM	1	74	19.03	19.09	19.01				
15	SSBQAM	36	0	19.06	19.10	19.06				
15	SSBQAM	36	26	19.17	19.22	19.01				19.9
15	SSBQAM	36	36	19.03	19.16	19.14				
15	SSBQAM	75	0	19.07	19.03	19.10				
Channel 130052 130052 130052										
Frequency (MHz)										
10	QPSK	1	0	21.56	21.50	21.44				
10	QPSK	1	25	21.47	21.45	21.43				22
10	QPSK	1	49	21.52	21.48	21.51				
10	QPSK	24	0	21.59	21.55	21.53				
10	QPSK	24	12	21.61	21.45	21.57				22
10	QPSK	25	25	21.60	21.52	21.51				
10	QPSK	50	0	21.62	21.55	21.49				
10	HQAM	1	0	21.66	21.70	21.81				
10	HQAM	1	25	21.73	21.67	21.70				22
10	HQAM	1	49	21.78	21.68	21.75				
10	HQAM	24	0	21.60	21.48	21.51				
10	HQAM	24	12	21.63	21.45	21.50				22
10	HQAM	25	25	21.59	21.48	21.58				
10	HQAM	50	0	21.60	21.44	21.58				
10	HQAM	1	0	21.77	21.74	21.60				22
10	HQAM	1	25	21.75	21.53	21.67				
10	HQAM	1	49	21.79	21.60	21.60				
10	HQAM	24	0	21.25	21.23	21.26				21.5
10	HQAM	25	25	21.34	21.18	21.28				
10	HQAM	50	0	21.20	21.20	21.27				
10	SSBQAM	1	0	19.08	19.14	19.10				19.9
10	SSBQAM	1	25	19.03	19.05	19.14				
10	SSBQAM	1	49	19.00	19.00	19.00				
10	SSBQAM	25	0	19.07	19.21	19.14				19.9
10	SSBQAM	25	12	19.10	19.10	19.05				
10	SSBQAM	25	25	19.07	19.18	19.15				
Channel 130078 130078 130078										
Frequency (MHz)										
5	QPSK	1	0	21.52	21.50	21.51				
5	QPSK	1	12	21.45	21.40	21.47				22
5	QPSK	1	24	21.58	21.41	21.52				
5	QPSK	12	0	21.54	21.45	21.59				
5	QPSK	12	6	21.53	21.45	21.58				22
5	QPSK	12	13	21.56	21.51	21.52				
5	QPSK	25	0	21.52	21.55	21.57				
5	HQAM	1	0	21.72	21.70	21.72				22
5	HQAM	1	12	21.76	21.81	21.72				
5	HQAM	1	24	21.78	21.58	21.70				
5	HQAM	12	0	21.60	21.53	21.51				
5	HQAM	12	7	21.61	21.45	21.55				22
5	HQAM	12	13	21.63	21.54	21.50				
5	HQAM	25	0	21.51	21.48	21.48				
5	HQAM	1	0	21.73	21.75	21.67				22
5	HQAM	1	12	21.65	21.56	21.71				
5	HQAM	1	24	21.71	21.59	21.64				
5	HQAM	12	0	21.24	21.24	21.23				21.5
5	HQAM	12	7	21.30	21.14	21.22				
5	HQAM	12	13	21.27	21.22	21.29				
5	HQAM	25	0	21.26	21.17	21.23				
5	SSBQAM	1	0	19.08	19.10	19.10				19.9
5	SSBQAM	1	12	19.09	19.06	19.08				
5	SSBQAM	1	24	19.00	19.09	19.01				
5	SSBQAM	12	0	19.13	19.15	19.10				19.9
5	SSBQAM	12	7	19.15	19.21	19.02				
5	SSBQAM	12	13	19.05	19.15	19.22				
5	SSBQAM	25	0	19.07	19.06	19.12				
Channel 130077 130077 130077										
Frequency (MHz)										
3	QPSK	1	0	21.56	21.45	21.50				
3	QPSK	1	8	21.43	21.42	21.42				22
3	QPSK	14	14	21.51	21.48	21.58				
3	QPSK	8	0	21.59	21.49	21.51				
3	QPSK	8	4	21.58	21.45	21.52				22
3	QPSK	8	7	21.58	21.50	21.57				
3	QPSK	16	0	21.53	21.55	21.52				
3	HQAM	1	0	21.75	21.67	21.80				22
3	HQAM	1	8	21.76	21.60	21.66				
3	HQAM	1	14	21.72	21.66	21.72				
3	HQAM	8	0	21.45	21.40	21.52				22
3	HQAM	8	4	21.60	21.48	21.52				
3	HQAM	8	7	21.58	21.49	21.62				
3	HQAM	16	0	21.53	21.45	21.57				
3	HQAM	1	0	21.74	21.68	21.68				22
3	HQAM	1	8	21.72	21.52	21.67				
3	HQAM	1	14	21.76	21.62	21.61				
3	HQAM	8	0	21.25	21.20	21.21				21.5
3	HQAM	8	4	21.32	21.24	21.28				
3	HQAM	8	7	21.34	21.20	21.28				
3	HQAM	16	0	21.23	21.17	21.25				
3	SSBQAM	1	0	19.01	19.14	19.15				19.9
3	SSBQAM	1	8	19.03	19.12	19.06				
3	SSBQAM	1	14	19.00	19.08	19.04				19.9
3	SSBQAM	8	0	19.10	19.17	19.07				
3	SSBQAM	8	4	19.13	19.14	19.08				19.9
3	SSBQAM	8	7	19.04	19.14	19.11				
3	SSBQAM	16	0	19.09	19.18	19.12				

Band 2_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Time-to- sync (ms)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.58	21.84	21.51			22.9	
20	QPSK	1	49	21.80	21.59	21.80				
20	QPSK	1	99	21.50	21.57	21.58				
20	QPSK	50	0	21.88	21.68	21.87				
20	QPSK	50	24	21.70	21.68	21.60			22.9	
20	QPSK	50	50	21.85	21.69	21.70				
20	QPSK	100	0	21.85	21.69	21.88				
20	HQDM	1	0	21.83	21.85	21.80				
20	HQDM	1	49	21.82	21.87	21.87			22.9	
20	HQDM	1	99	21.83	21.89	21.85				
20	HQDM	50	0	21.50	21.52	21.46				
20	HQDM	50	24	21.51	21.54	21.49				
20	HQDM	50	50	21.45	21.51	21.54			22.9	
20	HQDM	100	0	21.45	21.48	21.45				
20	HQDM	1	0	21.59	21.81	21.46				
20	HQDM	1	49	21.58	21.55	21.51				
20	HQDM	1	99	21.47	21.58	21.50			21.9	
20	HQDM	50	0	21.18	21.22	21.16				
20	HQDM	50	24	21.20	21.22	21.22				
20	HQDM	50	50	21.15	21.21	21.22				
20	HQDM	100	0	21.14	21.19	21.17			19.9	
20	HQDM	1	0	19.93	19.10	19.88				
20	HQDM	1	49	19.95	19.12	19.83				
20	HQDM	1	99	19.10	19.18	19.18				
20	HQDM	50	0	19.13	19.20	19.16			19.9	
20	HQDM	50	24	19.09	19.22	19.16				
20	HQDM	50	50	19.17	19.24	19.21				
20	HQDM	100	0	19.15	19.14	19.12				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.50	21.57	21.43			22.9	
15	QPSK	1	37	21.58	21.58	21.50				
15	QPSK	1	74	21.40	21.57	21.50				
15	QPSK	30	0	21.83	21.83	21.57				
15	QPSK	30	20	21.88	21.84	21.88			22.9	
15	QPSK	30	39	21.83	21.88	21.85				
15	QPSK	70	0	21.83	21.87	21.83				
15	HQDM	1	0	21.59	21.84	21.51				
15	HQDM	1	37	21.55	21.87	21.83			22.9	
15	HQDM	1	74	21.57	21.84	21.84				
15	HQDM	30	0	21.41	21.59	21.37				
15	HQDM	30	20	21.48	21.44	21.39				
15	HQDM	30	39	21.44	21.47	21.51			22.9	
15	HQDM	70	0	21.38	21.46	21.43				
15	HQDM	1	0	21.50	21.58	21.42				
15	HQDM	1	37	21.59	21.48	21.53				
15	HQDM	1	74	21.37	21.43	21.51			21.9	
15	HQDM	30	0	21.10	21.20	21.14				
15	HQDM	30	20	21.12	21.19	21.22				
15	HQDM	30	39	21.13	21.14	21.18				
15	HQDM	70	0	21.96	21.11	21.16			19.9	
15	HQDM	1	0	19.82	19.06	19.82				
15	HQDM	1	37	19.91	19.04	19.91				
15	HQDM	1	74	19.06	19.16	19.17				
15	HQDM	30	0	19.10	19.10	19.10			19.9	
15	HQDM	30	20	19.08	19.10	19.17				
15	HQDM	30	39	19.15	19.21	19.12				
15	HQDM	70	0	19.15	19.07	19.07				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.63	21.57	21.48			22.9	
10	QPSK	1	25	21.52	21.51	21.58				
10	QPSK	1	49	21.41	21.47	21.52				
10	QPSK	20	0	21.81	21.82	21.58				
10	QPSK	20	12	21.89	21.86	21.68			22.9	
10	QPSK	20	25	21.80	21.81	21.80				
10	QPSK	50	0	21.58	21.81	21.83				
10	HQDM	1	0	21.54	21.80	21.54				
10	HQDM	1	25	21.54	21.87	21.87			22.9	
10	HQDM	1	49	21.56	21.80	21.85				
10	HQDM	20	0	21.41	21.46	21.44				
10	HQDM	20	12	21.46	21.51	21.47				
10	HQDM	20	25	21.43	21.48	21.52			22.9	
10	HQDM	50	0	21.43	21.47	21.37				
10	HQDM	1	0	21.55	21.58	21.43				
10	HQDM	1	25	21.53	21.51	21.51				
10	HQDM	1	49	21.38	21.53	21.53			21.9	
10	HQDM	20	0	21.10	21.21	21.14				
10	HQDM	20	12	21.16	21.19	21.16				
10	HQDM	20	25	21.09	21.19	21.16				
10	HQDM	50	0	21.07	21.16	21.17			19.9	
10	HQDM	1	0	19.90	19.08	19.87				
10	HQDM	1	25	19.06	19.10	19.04				
10	HQDM	1	49	19.00	19.08	19.08				
10	HQDM	20	0	19.08	19.18	19.15			19.9	
10	HQDM	20	12	19.00	19.12	19.15				
10	HQDM	20	25	19.12	19.19	19.12				
10	HQDM	50	0	19.15	19.07	19.06				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.59	21.54	21.45			22.9	
5	QPSK	1	19	21.50	21.51	21.80				
5	QPSK	1	24	21.40	21.46	21.52				
5	QPSK	12	0	21.58	21.87	21.82				
5	QPSK	12	7	21.09	21.88	21.70			22.9	
5	QPSK	12	13	21.56	21.87	21.85				
5	QPSK	25	0	21.80	21.85	21.59				
5	HQDM	1	0	21.55	21.89	21.80				
5	HQDM	1	12	21.60	21.83	21.84			22.9	
5	HQDM	1	20	21.62	21.82	21.70				
5	HQDM	12	0	21.41	21.44	21.42				
5	HQDM	12	7	21.49	21.47	21.43				
5	HQDM	14	13	21.38	21.46	21.44			22.9	
5	HQDM	20	0	21.36	21.41	21.41				
5	HQDM	1	0	21.59	21.81	21.41				
5	HQDM	1	10	21.51	21.51	21.48				
5	HQDM	1	24	21.38	21.83	21.89			21.9	
5	HQDM	12	0	21.18	21.17	21.09				
5	HQDM	12	13	21.13	21.12	21.13				
5	HQDM	20	0	21.10	21.18	21.16				
5	HQDM	1	0	19.02	19.10	19.05			19.9	
5	HQDM	1	12	19.04	19.06	19.97				
5	HQDM	1	24	19.08	19.08	19.14				
5	HQDM	12	0	19.09	19.10	19.15				
5	HQDM	12	7	19.09	19.19	19.12			19.9	
5	HQDM	14	13	19.17	19.15	19.12				
5	HQDM	20	0	19.08	19.11	19.05				
5	HQDM	20	0	19.08	19.07	19.05				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.47	21.59	21.48			22.9	
3	QPSK	1	8	21.59	21.58	21.53				
3	QPSK	1	14	21.41	21.55	21.54				
3	QPSK	8	0	21.58	21.82	21.84				
3	QPSK	8	4	21.88	21.85	21.70			22.9	
3	QPSK	8	7	21.82	21.84	21.81				
3	QPSK	16	0	21.63	21.81	21.58				
3	HQDM	1	0	21.53	21.86	21.57				
3	HQDM	1	8	21.55	21.85	21.81			22.9	
3	HQDM	1	14	21.57	21.87	21.85				
3	HQDM	8	0	21.46	21.46	21.41				
3	HQDM	8	4	21.44	21.48	21.44				
3	HQDM	8	7	21.44	21.50	21.51			22.9	
3	HQDM	16	0	21.42	21.42	21.41				
3	HQDM	1	0	21.83	21.80	21.46				
3	HQDM	1	8	21.87	21.41	21.49				
3	HQDM	14	0	21.09	21.47	21.06			21.9	
3	HQDM	8	0	21.13	21.22	21.06				
3	HQDM	8	4	21.18	21.12	21.16				
3	HQDM	8	7	21.05	21.11	21.21				
3	HQDM	16	0	21.06	21.15	21.15			19.9	
3	HQDM	1	0	19.04	19.06	19.79				
3	HQDM	1	8	19.03	19.03	19.94				
3	HQDM	1								
3	HQDM	1								
3	HQDM	1								
3	HQDM	1								
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3	HQDM	1								
3										

Band 4_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 (Freq)	Power Ch. 2 (Freq)	Power Ch. 3 (Freq)	Power Ch. 4 (Freq)	Power Ch. 5 (Freq)	Time-to- sync (ms)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.21	22.22	22.19			23.6	
20	QPSK	1	49	22.30	22.29	22.25				
20	QPSK	1	99	22.26	22.17	22.14				
20	QPSK	50	0	22.37	22.30	22.30				
20	QPSK	50	24	22.30	22.32	22.30			23.6	
20	QPSK	50	50	22.30	22.36	22.30				
20	QPSK	100	0	22.32	22.33	22.34				
20	HQAM	1	0	22.18	22.22	22.19				
20	HQAM	1	49	22.24	22.19	22.15			23.6	
20	HQAM	1	99	22.16	22.09	22.19				
20	HQAM	50	0	22.03	22.08	22.11				
20	HQAM	50	24	22.20	22.11	22.08				
20	HQAM	50	50	22.14	22.11	22.11			23	
20	HQAM	100	0	22.01	22.03	22.00				
20	HQAM	1	0	22.09	22.24	22.07				
20	HQAM	1	49	22.16	22.16	22.11				
20	HQAM	50	0	21.09	21.08	21.08			23.6	
20	HQAM	50	24	21.17	21.05	21.06				
20	HQAM	50	50	21.13	20.88	21.02				
20	HQAM	100	0	21.00	21.05	21.01				
20	SSBQAM	1	0	19.07	19.12	19.13			19.6	
20	SSBQAM	1	49	18.99	19.10	19.07				
20	SSBQAM	50	0	19.09	19.17	19.15				
20	SSBQAM	50	24	19.16	19.15	19.06				
20	SSBQAM	50	50	19.03	19.12	19.20				
20	SSBQAM	100	0	19.18	19.10	19.14				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.18	22.23	22.20			23.6	
15	QPSK	1	37	22.25	22.23	22.21				
15	QPSK	1	74	22.19	22.12	22.17				
15	QPSK	36	0	22.35	22.32	22.36				
15	QPSK	36	20	22.38	22.38	22.35			23.6	
15	QPSK	36	36	22.40	22.33	22.31				
15	QPSK	76	0	22.36	22.32	22.33				
15	HQAM	1	0	22.18	22.19	22.19				
15	HQAM	1	37	22.31	22.22	22.17			23.6	
15	HQAM	1	74	22.23	22.04	22.19				
15	HQAM	36	0	22.07	22.07	22.11				
15	HQAM	36	20	22.20	22.11	22.04				
15	HQAM	36	36	22.08	22.00	22.09			23	
15	HQAM	76	0	22.05	22.06	22.06				
15	HQAM	1	0	22.05	22.21	22.12				
15	HQAM	1	37	22.20	22.19	22.09				
15	HQAM	1	74	22.21	22.11	22.06			23.6	
15	HQAM	36	0	21.06	21.02	21.11				
15	HQAM	36	20	21.17	21.05	21.07				
15	HQAM	36	36	21.11	21.07	20.99				
15	HQAM	76	0	21.03	21.03	20.97			23.6	
15	SSBQAM	1	0	19.04	19.12	19.07				
15	SSBQAM	1	37	19.06	19.04	19.07				
15	SSBQAM	1	74	19.03	19.06	19.07				
15	SSBQAM	36	20	19.12	19.13	19.08			19.6	
15	SSBQAM	36	36	18.99	19.03	19.14				
15	SSBQAM	76	0	19.08	19.05	19.10				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.16	22.17	22.23			23.6	
10	QPSK	1	12	22.26	22.23	22.26				
10	QPSK	1	24	22.31	22.25	22.24				
10	QPSK	12	0	22.32	22.32	22.30				
10	QPSK	12	7	22.40	22.35	22.39			23.6	
10	QPSK	12	13	22.33	22.36	22.37				
10	QPSK	25	0	22.33	22.38	22.30				
10	HQAM	1	0	22.13	22.28	22.25				
10	HQAM	1	12	22.26	22.17	22.14			23.6	
10	HQAM	1	24	22.15	22.12	22.21				
10	HQAM	12	0	22.08	22.10	22.11				
10	HQAM	12	7	22.10	22.09	22.08				
10	HQAM	12	13	22.13	22.05	22.05			23	
10	HQAM	25	0	22.06	22.08	22.01				
10	HQAM	1	0	22.07	22.24	22.07				
10	HQAM	1	12	22.23	22.13	22.18				
10	HQAM	1	24	22.12	22.08	22.09			23.6	
10	HQAM	12	0	21.03	21.01	21.09				
10	HQAM	12	7	21.17	21.02	21.01				
10	HQAM	12	13	21.07	20.98	21.02				
10	HQAM	25	0	21.02	21.04	21.07			19.6	
10	SSBQAM	1	0	19.03	19.11	19.13				
10	SSBQAM	1	12	18.93	19.05	19.01				
10	SSBQAM	1	24	18.95	19.09	19.05				
10	SSBQAM	12	0	19.03	19.09	19.05			19.6	
10	SSBQAM	12	7	19.14	19.15	19.01				
10	SSBQAM	12	13	19.00	19.03	19.15				
10	SSBQAM	25	0	19.10	19.09	19.07				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.14	22.18	22.21			23.6	
5	QPSK	1	12	22.28	22.23	22.26				
5	QPSK	1	24	22.30	22.22	22.11				
5	QPSK	12	0	22.32	22.32	22.30				
5	QPSK	12	7	22.40	22.35	22.39			23.6	
5	QPSK	12	13	22.33	22.36	22.37				
5	QPSK	25	0	22.33	22.38	22.30				
5	HQAM	1	0	22.13	22.28	22.25				
5	HQAM	1	12	22.26	22.17	22.14			23.6	
5	HQAM	1	24	22.15	22.12	22.21				
5	HQAM	12	0	22.08	22.10	22.11				
5	HQAM	12	7	22.10	22.09	22.08				
5	HQAM	12	13	22.13	22.05	22.05			23	
5	HQAM	25	0	22.06	22.08	22.01				
5	HQAM	1	0	22.07	22.24	22.07				
5	HQAM	1	12	22.23	22.13	22.18				
5	HQAM	1	24	22.12	22.08	22.09			23.6	
5	HQAM	12	0	21.03	21.01	21.09				
5	HQAM	12	7	21.17	21.02	21.01				
5	HQAM	12	13	21.07	20.98	21.02				
5	HQAM	25	0	21.02	21.04	21.07			19.6	
5	SSBQAM	1	0	19.03	19.11	19.13				
5	SSBQAM	1	12	18.93	19.05	19.01				
5	SSBQAM	1	24	18.95	19.09	19.05				
5	SSBQAM	12	0	19.03	19.09	19.05			19.6	
5	SSBQAM	12	7	19.14	19.15	19.01				
5	SSBQAM	12	13	19.00	19.03	19.15				
5	SSBQAM	25	0	19.10	19.09	19.07				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.13	22.15	22.18			23.6	
3	QPSK	1	8	22.23	22.21	22.19				
3	QPSK	14	0	22.22	22.14	22.11				
3	QPSK	8	0	22.34	22.21	22.34				
3	QPSK	8	4	22.30	22.25	22.40			23.6	
3	QPSK	8	7	22.38	22.30	22.29				
3	QPSK	16	0	22.29	22.32	22.26				
3	HQAM	1	0	22.05	22.20	22.12				
3	HQAM	1	8	22.14	22.17	22.07			23.6	
3	HQAM	1	14	22.12	22.08	22.14				
3	HQAM	8	0	21.06	21.07	21.01				
3	HQAM	8	4	22.13	22.10	22.08				
3	HQAM	8	7	22.11	21.94	21.91			23	
3	HQAM	16	0	21.04	21.04	21.08				
3	HQAM	1	0	22.00	22.21	22.00				
3	HQAM	1	8	22.08	22.13	22.08				
3	HQAM	1	14	22.03	21.97	22.02			23.6	
3	HQAM	8	0	20.95	21.08	20.97				
3	HQAM	8	4	21.15	21.01	20.98				
3	HQAM	8	7	21.11	20.98	20.98				
3	HQAM	16	0	20.92	20.99	20.95			19.6	
3	SSBQAM	1	0	19.08	19.05	19.12				
3	SSBQAM	1	8	19.04	19.00	19.07				
3	SSBQAM	1	14	18.97	19.04	18.98				
3	SSBQAM	3	0	19.04	19.09	19.21			19.6	
3	SSBQAM	3	7	19.17	19.14	19.04				
3	SSBQAM	3	14	19.04	19.17	19.16				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.20	22.21	22.24				23.6
1.4	QPSK	1	3	22.24	22.15	22.29				
1.4	QPSK	3	0	22.26	22.18	22.24				
1.4	QPSK	3	1	22.27	22.20	22.29				
1.4	QPSK	3	2	22.28	22.21	22.34			23.6	
1.4	QPSK	8	0	22.29	22.21	22.25				
1.4	QPSK	1	0	22.25	22.20	22.29				
1.4	HQAM	1	0	22.21	22.22	22.23				
1.4	HQAM	1	5	22.20	22.18	22.29			23.6	
1.4	HQAM	3	0	22.07	22.07	22.02				
1.4	HQAM	3	2	22.11	22.04	22.18				
1.4	HQAM	3	3	22.10	22.00	22.07				
1.4	HQAM	3	4	22.10	22.00	22.07			23.6	
1.4	HQAM	8	0	22.18	22.10	22.18				
1.4	HQAM	1	0	22.16	22.09	22.11				
1.4	HQAM	1	3	22.11	22.00	22.07				
1.4	HQAM	3	1	22.13	22.03	22.16			23.6	
1.4	HQAM	3	2	22.14	22.04	22.17				
1.4	HQAM	8	0	20.99	20.89	20.98				
1.4	HQAM	1	0	19.03	19.09	19.15				
1.4	HQAM	1	3	19.03	19.09	19.15			19.6	
1.4	HQAM	1	5	19.04	19.09	19.15				
1.4	HQAM	3	0	19.04	19.09	19.21				
1.4	HQAM	3	1	19.17	19.14	19.04				
1.4	SSBQAM	3	3	19.04	19.17	19.16			19.6	
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.20	22.21	22.24				23.6
1.4	QPSK	1	3	22.24	22.15	22.29				
1.4	QPSK	3	0	22.26	22.18	22.24				
1.4	QPSK	3	1	22.27	22.20	22.29				
1.4	QPSK	3	2	22.28	22.21	22.34			23.6	
1.4	QPSK	8								



Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg	Time-to-Acq (ms)	
Channel				20660	21060	21460			
Frequency (MHz)				2490	2490	2490			
20	QPSK	1	0	20.14	20.13	20.10			
20	QPSK	1	49	20.12	20.10	20.10			21.5
20	QPSK	1	99	20.17	20.16	20.22			
20	QPSK	50	0	20.22	20.19	20.19			
20	QPSK	50	24	20.27	20.23	20.24			
20	QPSK	50	50	20.30	20.25	20.26			21.5
20	QPSK	100	0	20.24	20.23	20.21			
20	HQAM	1	0	20.25	20.17	20.21			
20	HQAM	1	49	20.18	20.16	20.17			21.5
20	HQAM	1	99	20.23	20.20	20.20			
20	HQAM	50	0	20.25	20.23	20.22			
20	HQAM	50	24	20.20	20.27	20.26			21.5
20	HQAM	50	50	20.29	20.24	20.24			
20	HQAM	100	0	20.24	20.22	20.22			
20	HQAM	1	0	20.27	20.22	20.22			21.5
20	HQAM	1	49	20.26	20.24	20.24			
20	HQAM	1	99	20.21	20.22	20.26			
20	HQAM	50	0	20.20	20.24	20.23			21.5
20	HQAM	50	24	20.26	20.26	20.26			
20	HQAM	50	50	20.29	20.26	20.29			
20	HQAM	100	0	20.25	20.21	20.22			
20	SSBQAM	1	0	19.06	19.07	19.04			19.5
20	SSBQAM	1	49	19.11	19.08	19.00			
20	SSBQAM	1	99	18.99	18.91	19.04			
20	SSBQAM	50	0	19.05	19.05	19.00			19.5
20	SSBQAM	50	24	19.02	19.03	19.06			
20	SSBQAM	50	50	19.07	19.06	19.07			
20	SSBQAM	100	0	19.04	18.98	19.06			
Channel				20660	21060	21460			
Frequency (MHz)				2501.5	2501.5	2501.5			
15	QPSK	1	0	20.08	20.04	20.04			
15	QPSK	1	37	20.08	20.00	20.03			21.5
15	QPSK	74	0	20.08	20.00	20.10			
15	QPSK	36	0	20.12	20.12	20.17			
15	QPSK	36	26	20.24	20.18	20.23			21.5
15	QPSK	36	36	20.29	20.20	20.18			
15	QPSK	75	0	20.17	20.15	20.16			
15	HQAM	1	0	20.25	20.08	20.16			21.5
15	HQAM	1	37	20.11	20.14	20.11			
15	HQAM	1	74	20.19	20.12	20.26			
15	HQAM	36	0	20.21	20.19	20.17			21.5
15	HQAM	36	26	20.21	20.20	20.26			
15	HQAM	36	36	20.23	20.20	20.25			
15	HQAM	75	0	20.19	20.12	20.18			21.5
15	HQAM	1	37	20.26	20.20	20.17			
15	HQAM	1	74	20.20	20.18	20.21			
15	HQAM	36	0	20.26	20.18	20.20			21.5
15	HQAM	36	26	20.23	20.20	20.21			
15	HQAM	36	36	20.26	20.20	20.20			
15	HQAM	75	0	20.15	20.13	20.22			
15	SSBQAM	1	0	18.99	18.98	18.14			19.5
15	SSBQAM	1	37	19.03	19.07	19.00			
15	SSBQAM	1	74	18.86	18.86	18.95			
15	SSBQAM	36	0	19.05	19.02	19.06			19.5
15	SSBQAM	36	26	19.07	19.00	19.00			
15	SSBQAM	36	36	19.09	18.85	19.01			
15	SSBQAM	75	0	18.94	18.83	18.86			
Channel				20660	21060	21460			
Frequency (MHz)				2505	2505	2505			
10	QPSK	1	0	20.19	20.04	20.10			
10	QPSK	1	25	20.11	20.02	20.06			21.5
10	QPSK	1	49	20.16	20.19	20.15			
10	QPSK	24	0	20.14	20.11	20.10			
10	QPSK	25	12	20.26	20.16	20.14			21.5
10	QPSK	25	25	20.20	20.17	20.23			
10	QPSK	50	0	20.23	20.23	20.21			
10	HQAM	1	0	20.23	20.16	20.19			21.5
10	HQAM	1	25	20.17	20.16	20.10			
10	HQAM	1	49	20.17	20.19	20.20			
10	HQAM	25	0	20.24	20.16	20.21			21.5
10	HQAM	25	12	20.25	20.23	20.19			
10	HQAM	25	25	20.29	20.19	20.29			
10	HQAM	50	0	20.23	20.21	20.20			21.5
10	HQAM	50	0	20.24	20.10	20.10			
10	HQAM	1	25	20.22	20.19	20.15			21.5
10	HQAM	1	49	20.11	20.13	20.19			
10	HQAM	1	99	20.11	20.10	20.10			
10	HQAM	25	0	20.24	20.16	20.18			21.5
10	HQAM	25	12	20.20	20.27	20.29			
10	HQAM	25	25	20.29	20.16	20.21			
10	HQAM	50	0	20.17	20.13	20.21			
10	SSBQAM	1	0	18.96	18.88	18.84			19.5
10	SSBQAM	1	25	19.11	19.00	19.06			
10	SSBQAM	1	49	19.03	19.00	19.04			
10	SSBQAM	25	0	18.99	18.85	18.97			19.5
10	SSBQAM	25	12	19.00	18.95	19.06			
10	SSBQAM	25	25	19.04	18.92	19.02			
10	SSBQAM	50	0	18.97	18.87	18.91			
Channel				2507.5	2507.5	2507.5			
Frequency (MHz)				2507.5	2507.5	2507.5			
5	QPSK	1	0	20.09	20.10	20.01			
5	QPSK	1	49	20.11	20.01	20.05			21.5
5	QPSK	1	24	20.14	20.13	20.22			
5	QPSK	12	0	20.12	20.12	20.18			
5	QPSK	12	7	20.20	20.18	20.16			21.5
5	QPSK	12	13	20.27	20.16	20.20			
5	QPSK	25	0	20.21	20.18	20.17			
5	HQAM	1	0	20.23	20.17	20.14			21.5
5	HQAM	1	12	20.16	20.06	20.10			
5	HQAM	1	24	20.22	20.16	20.24			
5	HQAM	12	0	20.15	20.22	20.20			21.5
5	HQAM	12	7	20.20	20.22	20.26			
5	HQAM	12	13	20.21	20.24	20.26			
5	HQAM	25	0	20.24	20.19	20.19			21.5
5	HQAM	1	0	20.24	20.13	20.16			
5	HQAM	1	49	20.20	20.19	20.18			21.5
5	HQAM	1	24	20.18	20.22	20.27			
5	HQAM	12	0	20.23	20.14	20.13			21.5
5	HQAM	12	7	20.19	20.26	20.26			
5	HQAM	12	13	20.19	20.26	20.20			
5	HQAM	25	0	20.22	20.17	20.12			19.5
5	SSBQAM	1	0	19.06	19.00	19.02			
5	SSBQAM	1	12	19.10	19.05	19.02			
5	SSBQAM	1	24	18.99	18.85	19.04			19.5
5	SSBQAM	12	0	19.03	19.00	19.00			
5	SSBQAM	12	7	19.01	18.98	19.06			
5	SSBQAM	12	13	19.03	19.02	19.01			
5	SSBQAM	25	0	19.01	18.81	18.87			19.5

Band 25_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Pilot Ch / Freq	Power Pilot Ch / Freq	Power Pilot Ch / Freq	Time slot (ms)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.58	21.57	21.54				22.9	
20	QPSK	1	49	21.61	21.56	21.52					
20	QPSK	1	99	21.59	21.54	21.54					
20	QPSK	50	0	21.69	21.66	21.67					
20	QPSK	50	24	21.70	21.69	21.70				22.9	
20	QPSK	50	50	21.67	21.67	21.68					
20	WQAM	1	0	21.65	21.68	21.63					
20	WQAM	1	49	21.69	21.69	21.69					
20	WQAM	50	0	21.53	21.53	21.52				22.9	
20	WQAM	50	24	21.52	21.52	21.52					
20	WQAM	100	0	21.51	21.50	21.51					
20	WQAM	100	0	21.51	21.50	21.51					
20	WQAM	1	0	21.64	21.61	21.63				21.9	
20	WQAM	1	49	21.64	21.61	21.63					
20	WQAM	50	0	21.21	21.17	21.21					
20	WQAM	50	24	21.23	21.22	21.25					
20	WQAM	100	0	21.17	21.14	21.19				19.9	
20	WQAM	100	0	19.01	19.18	19.02					
20	WQAM	1	49	19.93	19.96	19.90					
20	WQAM	1	99	19.91	19.94	19.89					
20	WQAM	50	0	19.04	19.10	19.02				19.9	
20	WQAM	50	24	19.15	19.18	19.90					
20	WQAM	50	50	19.09	19.07	19.08					
20	WQAM	100	0	19.14	19.05	19.11					
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.49	21.52	21.47				22.9	
15	QPSK	1	37	21.58	21.49	21.58					
15	QPSK	1	74	21.43	21.44	21.52					
15	QPSK	36	0	21.88	21.60	21.67					
15	QPSK	36	20	21.69	21.68	21.69				22.9	
15	QPSK	36	36	21.65	21.63	21.69					
15	QPSK	75	0	21.85	21.84	21.59					
15	WQAM	1	0	21.60	21.69	21.62					
15	WQAM	1	37	21.65	21.67	21.64				22.9	
15	WQAM	1	74	21.63	21.66	21.64					
15	WQAM	36	0	21.47	21.53	21.42					
15	WQAM	36	20	21.46	21.46	21.49					
15	WQAM	36	36	21.44	21.52	21.44				22.9	
15	WQAM	75	0	21.45	21.41	21.43					
15	WQAM	1	0	21.69	21.67	21.65					
15	WQAM	1	37	21.64	21.56	21.60					
15	WQAM	1	74	21.56	21.64	21.67				21.9	
15	WQAM	36	0	21.15	21.15	21.19					
15	WQAM	36	20	21.14	21.10	21.24					
15	WQAM	36	36	21.12	21.17	21.19					
15	WQAM	75	0	21.10	21.14	21.09				19.9	
15	WQAM	1	0	19.96	19.15	19.02					
15	WQAM	37	0	19.87	19.01	19.96					
15	WQAM	1	74	19.83	19.95	19.89					
15	WQAM	36	0	19.06	19.06	19.94				19.9	
15	WQAM	36	20	19.11	19.08	19.08					
15	WQAM	36	36	19.09	19.07	19.08					
15	WQAM	75	0	19.14	19.02	19.07					
Channel											
Frequency (MHz)											
10	QPSK	1	0	21.48	21.52	21.47				22.9	
10	QPSK	1	25	21.51	21.47	21.52					
10	QPSK	1	49	21.47	21.54	21.49					
10	QPSK	25	12	21.87	21.66	21.70					
10	QPSK	25	25	21.62	21.66	21.61				22.9	
10	QPSK	50	0	21.57	21.66	21.58					
10	WQAM	1	0	21.70	21.66	21.63					
10	WQAM	1	25	21.63	21.62	21.70					
10	WQAM	1	49	21.60	21.60	21.59				22.9	
10	WQAM	25	0	21.53	21.43	21.42					
10	WQAM	25	12	21.46	21.51	21.52					
10	WQAM	25	25	21.42	21.52	21.50					
10	WQAM	50	0	21.43	21.48	21.49				22.9	
10	WQAM	50	0	21.66	21.67	21.60					
10	WQAM	1	25	21.69	21.57	21.65					
10	WQAM	1	49	21.64	21.63	21.65					
10	WQAM	25	12	21.18	21.14	21.12				21.9	
10	WQAM	25	12	21.15	21.19	21.15					
10	WQAM	25	25	21.16	21.10	21.20					
10	WQAM	50	0	21.17	21.14	21.09					
10	WQAM	1	0	19.01	19.14	19.96				19.9	
10	WQAM	25	0	19.06	19.07	19.92					
10	WQAM	1	49	19.04	19.01	19.90					
10	WQAM	25	0	19.02	19.06	19.95					
10	WQAM	25	12	19.12	19.15	19.96				19.9	
10	WQAM	25	25	19.03	19.00	19.08					
10	WQAM	50	0	19.10	19.04	19.03					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.49	21.54	21.51				22.9	
5	QPSK	1	49	21.54	21.53	21.56					
5	QPSK	1	24	21.50	21.54	21.44					
5	QPSK	12	0	21.59	21.51	21.65					
5	QPSK	12	12	21.64	21.57	21.61				22.9	
5	QPSK	12	13	21.61	21.59	21.65					
5	QPSK	25	0	21.61	21.62	21.67					
5	WQAM	1	0	21.65	21.61	21.61					
5	WQAM	1	12	21.67	21.68	21.68				22.9	
5	WQAM	1	24	21.58	21.66	21.57					
5	WQAM	12	0	21.44	21.53	21.43					
5	WQAM	12	7	21.53	21.48	21.52					
5	WQAM	12	13	21.41	21.46	21.52				22.9	
5	WQAM	25	0	21.45	21.47	21.52					
5	WQAM	1	0	21.69	21.66	21.65					
5	WQAM	1	12	21.68	21.61	21.67					
5	WQAM	1	24	21.69	21.70	21.66				21.9	
5	WQAM	12	0	21.12	21.15	21.12					
5	WQAM	12	7	21.15	21.17	21.20					
5	WQAM	12	13	21.14	21.10	21.18					
5	WQAM	25	0	21.15	21.04	21.10				19.9	
5	WQAM	25	0	19.08	19.18	19.01					
5	WQAM	1	12	19.04	19.96	19.95					
5	WQAM	1	24	19.06	19.97	19.92					
5	WQAM	12	0	19.07	19.09	19.09				19.9	
5	WQAM	12	7	19.06	19.15	19.88					
5	WQAM	12	13	19.09	19.00	19.02					
5	WQAM	25	0	19.07	19.97	19.05					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.57	21.48	21.54				22.9	
1.4	QPSK	1	8	21.57	21.46	21.51					
1.4	QPSK	1	14	21.47	21.51	21.48					
1.4	QPSK	8	0	21.67	21.64	21.60					
1.4	QPSK	8	4	21.62	21.66	21.62				22.9	
1.4	QPSK	8	7	21.63	21.58	21.68					
1.4	QPSK	16	0	21.61	21.59	21.66					
1.4	WQAM	1	0	21.61	21.66	21.56					
1.4	WQAM	1	8	21.63	21.59	21.67				22.9	
1.4	WQAM	1	14	21.61	21.69	21.62					
1.4	WQAM	8	0	21.46	21.43	21.44					
1.4	WQAM	8	4	21.52	21.48	21.50					
1.4	WQAM	8	7	21.45	21.43	21.48				22.9	
1.4	WQAM	16	0	21.48	21.45	21.53					
1.4	WQAM	1	0	21.69	21.60	21.58				22.9	
1.4	WQAM	1	8	21.69	21.64	21.64					
1.4	WQAM	1	14	21.62	21.67	21.67				22.9	
1.4	WQAM	8	0	21.16	21.11	21.19					
1.4	WQAM	8	4	21.17	21.10	21.21				22.9	
1.4	WQAM	8	7	21.07	21.09	21.13					
1.4	WQAM	16	0	21.06	21.05	21.10				22.9	
1.4	WQAM	16	0	21.06	21.05	21.10					
1.4	WQAM	1	0	19.01	19.18	19.02				19.9	
1.4	WQAM	1	8	19.02	19.19	19.03					
1.4	WQAM	1	14	19.10	19.14	19.08				19.9	
1.4	WQAM	1	8	18.93	18.98	18.98					
1.4	WQAM	8	0	18.96	19.07	19.00				19.9	
1.4	WQAM	8	4	19.12	19.08	19.05					
1.4	WQAM	8	7	19.10	19.14	19.08				19.9	
1.4	WQAM	16	0	19.09	19.04	19.03					
1.4	WQAM	3	0	19.09	18.99	19.03				19.9	
1.4	WQAM	3	3	19.09	18.99	19.03					

Band 30_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-to-Air (min)				
Channel				27710							
Frequency (MHz)				21.06							
10	QPSK	1	0	21.08			22.6				
10	QPSK	1	25	21.08							
10	QPSK	1	49	21.04							
10	QPSK	25	0	21.10			22.6				
10	QPSK	25	10	21.10							
10	QPSK	25	25	21.08							
10	QPSK	50	0	21.11			22.6				
10	HQAM	1	0	21.13							
10	HQAM	1	25	21.29							
10	HQAM	1	49	21.30			22.6				
10	HQAM	25	0	21.14							
10	HQAM	25	10	21.14							
10	HQAM	25	25	21.12			22.6				
10	HQAM	50	0	21.15							
10	HQAM	1	0	21.27							
10	HQAM	1	25	21.21			22.6				
10	HQAM	1	49	21.21							
10	HQAM	25	0	21.12							
10	HQAM	25	10	21.13			22.6				
10	HQAM	25	25	21.12							
10	HQAM	50	0	21.14							
10	SSBQAM	1	0	19.45			20				
10	SSBQAM	1	25	19.24							
10	SSBQAM	1	49	19.25							
10	SSBQAM	25	0	19.53			20				
10	SSBQAM	25	10	19.47							
10	SSBQAM	25	25	19.56							
10	SSBQAM	50	0	19.54			Time-to-Air (min)				
Channel				27685	27710	27735					
Frequency (MHz)											
5	QPSK	1	0	21.01	21.03	21.07	22.6				
5	QPSK	1	10	21.03	21.02	21.04					
5	QPSK	1	24	21.01	21.00	21.02					
5	QPSK	12	0	21.03	21.07	21.08	22.6				
5	QPSK	12	7	21.01	21.09	21.10					
5	QPSK	12	15	21.01	21.07	21.07					
5	QPSK	25	0	21.01	21.08	21.07	22.6				
5	HQAM	1	0	21.25	21.30	21.30					
5	HQAM	1	10	21.28	21.32	21.30					
5	HQAM	1	24	21.29	21.29	21.30	22.6				
5	HQAM	12	0	21.05	21.13	21.16					
5	HQAM	12	7	21.11	21.18	21.17					
5	HQAM	12	15	21.08	21.15	21.14	22.6				
5	HQAM	25	0	21.06	21.11	21.14					
5	HQAM	25	0	21.18	21.22	21.30					
5	HQAM	1	10	21.18	21.24	21.24	22.6				
5	HQAM	1	24	21.22	21.24	21.22					
5	HQAM	12	0	21.03	21.10	21.14					
5	HQAM	12	7	21.05	21.13	21.15	22.6				
5	HQAM	12	15	21.02	21.10	21.15					
5	HQAM	25	0	21.07	21.10	21.11					
5	SSBQAM	1	0	19.45	19.46	19.56	20				
5	SSBQAM	1	10	19.40	19.53	19.26					
5	SSBQAM	1	24	19.37	19.30	19.23					
5	SSBQAM	12	0	19.47	19.42	19.45	20				
5	SSBQAM	12	15	19.42	19.39	19.38					
5	SSBQAM	12	15	19.37	19.37	19.40					
5	SSBQAM	25	0	19.54	19.40	19.45					

Band 66_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Low Power Ch / Freq	Main Power Ch / Freq	High Power Ch / Freq	Avg Power Ch / Freq	Peak Power Ch / Freq	Time-to- live (ms)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.37	22.38	22.30			23.6		
20	QPSK	1	49	22.39	22.38	22.40					
20	QPSK	1	99	22.39	22.31	22.39					
20	QPSK	50	0	22.23	22.24	22.25					
20	QPSK	50	24	22.26	22.25	22.33			23.6		
20	QPSK	50	50	22.26	22.21	22.32					
20	QPSK	100	0	22.22	22.19	22.24					
20	QPSK	100	49	22.32	22.33	22.38					
20	HQAM	1	49	24.80	24.24	24.38			23.6		
20	HQAM	1	99	22.37	22.31	22.40					
20	HQAM	50	0	22.23	22.20	22.25					
20	HQAM	50	24	22.29	22.21	22.36					
20	HQAM	50	50	22.29	22.21	22.36			23		
20	HQAM	100	0	22.21	22.13	22.20					
20	HQAM	100	49	22.23	22.19	22.28					
20	HQAM	1	99	22.38	22.26	22.37			23		
20	HQAM	1	99	22.38	22.26	22.37					
20	HQAM	50	0	21.26	21.20	21.27					
20	HQAM	50	24	21.26	21.22	21.31					
20	HQAM	50	50	21.25	21.20	21.28			21.6		
20	HQAM	100	0	21.23	21.13	21.22					
20	HQAM	100	49	21.23	21.13	21.22					
20	HQAM	1	49	19.03	19.21	19.17			19.6		
20	HQAM	1	99	19.09	19.03	19.05					
20	HQAM	50	0	19.14	19.18	19.08					
20	HQAM	50	24	19.10	19.17	19.06					
20	HQAM	50	50	19.07	19.17	19.17			19.6		
20	HQAM	100	0	19.12	19.11	19.10					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.34	22.30	22.33			23.6		
15	QPSK	1	37	22.30	22.37	22.38					
15	QPSK	1	74	22.38	22.31	22.30					
15	QPSK	36	0	22.23	22.14	22.23					
15	QPSK	36	20	22.17	22.24	22.29			23.6		
15	QPSK	36	36	22.17	22.20	22.25					
15	QPSK	75	0	22.20	22.13	22.20					
15	HQAM	1	0	22.25	22.27	22.31			23.6		
15	HQAM	1	37	22.38	22.20	22.38					
15	HQAM	1	74	22.34	22.30	22.37					
15	HQAM	36	0	22.21	22.10	22.20					
15	HQAM	36	20	22.21	22.17	22.26			23		
15	HQAM	36	36	22.29	22.11	22.21					
15	HQAM	75	0	22.11	22.09	22.11					
15	HQAM	1	0	22.18	22.15	22.27					
15	HQAM	1	37	22.31	22.18	22.29			23		
15	HQAM	1	74	22.32	22.16	22.30					
15	HQAM	36	0	21.26	21.19	21.24					
15	HQAM	36	20	21.20	21.16	21.20					
15	HQAM	36	36	21.28	21.12	21.20			21.6		
15	HQAM	75	0	21.14	21.09	21.15					
15	HQAM	1	0	19.09	19.11	19.14					
15	HQAM	37	19.03	19.04	19.02						
15	HQAM	1	25	19.02	19.03	19.03			19.6		
15	HQAM	1	49	19.09	19.09	19.07					
15	HQAM	25	0	19.12	19.13	19.08					
15	HQAM	25	12	19.06	19.14	19.07					
15	HQAM	25	25	19.09	19.08	19.09			19.6		
15	HQAM	50	0	19.03	19.16	19.07					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.33	22.28	22.34			23.6		
10	QPSK	1	12	22.30	22.38	22.40					
10	QPSK	1	24	22.36	22.26	22.38					
10	QPSK	12	0	22.21	22.24	22.20					
10	QPSK	12	6	22.24	22.25	22.22			23.6		
10	QPSK	12	13	22.24	22.20	22.30					
10	QPSK	25	0	22.21	22.18	22.24					
10	HQAM	1	0	22.24	22.30	22.30					
10	HQAM	1	12	22.36	22.19	22.27			23.6		
10	HQAM	1	24	22.35	22.22	22.31					
10	HQAM	12	0	22.17	22.12	22.24					
10	HQAM	12	7	22.27	22.20	22.23					
10	HQAM	12	13	22.24	22.17	22.30			23		
10	HQAM	25	0	22.16	22.07	22.20					
10	HQAM	1	0	22.20	22.14	22.25					
10	HQAM	1	12	22.40	22.28	22.23					
10	HQAM	1	24	22.32	22.20	22.32			23		
10	HQAM	1	24	22.32	22.20	22.32					
10	HQAM	12	0	21.19	21.16	21.25					
10	HQAM	12	7	21.22	21.20	21.28					
10	HQAM	12	13	21.25	21.10	21.22			21.6		
10	HQAM	25	0	21.17	21.05	21.13					
10	HQAM	25	0	19.06	19.16	19.16					
10	HQAM	1	12	19.08	19.12	19.02					
10	HQAM	25	24	19.03	19.09	19.09			19.6		
10	HQAM	12	0	19.09	19.13	19.08					
10	HQAM	12	7	19.10	19.10	19.09					
10	HQAM	12	13	19.07	19.15	19.09					
10	HQAM	25	0	19.11	19.10	19.01			19.6		
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.31	22.30	22.34			23.6		
5	QPSK	1	8	22.31	22.30	22.30					
5	QPSK	14	0	22.33	22.31	22.35					
5	QPSK	8	0	22.18	22.24	22.15					
5	QPSK	8	4	22.18	22.18	22.21			23.6		
5	QPSK	8	7	22.17	22.13	22.25					
5	QPSK	16	0	22.21	22.12	22.22					
5	HQAM	1	0	22.29	22.21	22.27					
5	HQAM	1	8	22.35	22.17	22.27			23.6		
5	HQAM	1	14	22.32	22.27	22.33					
5	HQAM	8	0	22.21	22.26	22.15					
5	HQAM	8	4	22.27	22.20	22.32					
5	HQAM	8	7	22.17	22.13	22.28			23		
5	HQAM	16	0	22.21	22.12	22.22					
5	HQAM	1	0	22.29	22.21	22.27					
5	HQAM	1	14	22.38	22.17	22.31					
5	HQAM	8	0	21.26	21.16	21.21			21.6		
5	HQAM	8	7	21.26	21.13	21.21					
5	HQAM	16	0	21.21	21.11	21.22					
5	HQAM	16	7	21.21	21.11	21.22					
5	HQAM	1	8	19.09	19.15	19.08			19.6		
5	HQAM	1	14	19.09	19.17	19.08					
5	HQAM	8	0	19.04	19.16	19.06					
5	HQAM	8	4	19.01	19.17	19.08					
5	HQAM	8	7	19.05	19.17	19.09			19.6		
5	HQAM	16	0	19.09	19.17	19.09					
5	HQAM	16	7	19.09	19.17	19.09					
5	HQAM	3	3	19.04	19.14	19.16					

Band 2_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low / High	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time slot (ms)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.58	21.84	21.51			21.7	
20	QPSK	1	49	21.60	21.59	21.65				
20	QPSK	1	99	21.50	21.57	21.58				
20	QPSK	50	0	21.88	21.68	21.70				
20	QPSK	50	24	21.70	21.68	21.60			21.7	
20	QPSK	50	50	21.85	21.69	21.70				
20	QPSK	100	0	21.83	21.85	21.80				
20	HQDM	1	0	21.82	21.87	21.87				
20	HQDM	1	99	21.83	21.89	21.85			21.7	
20	HQDM	50	0	21.50	21.52	21.48				
20	HQDM	50	24	21.51	21.54	21.54				
20	HQDM	100	0	21.45	21.48	21.45				
20	HQDM	1	49	21.59	21.51	21.57			21.7	
20	HQDM	1	99	21.47	21.58	21.50				
20	HQDM	50	0	21.18	21.22	21.22				
20	HQDM	50	24	21.20	21.21	21.22				
20	HQDM	100	0	21.14	21.19	21.17			20	
20	HQDM	1	0	18.93	19.10	18.88				
20	HQDM	1	49	19.05	19.12	19.03				
20	HQDM	1	99	19.10	19.16	19.16				
20	HQDM	50	0	19.13	19.20	19.16			20	
20	HQDM	50	24	19.09	19.22	19.16				
20	HQDM	50	50	19.17	19.24	19.21				
20	HQDM	100	0	19.15	19.14	19.12				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.50	21.57	21.43			21.7	
15	QPSK	1	37	21.58	21.58	21.50				
15	QPSK	1	74	21.40	21.57	21.50				
15	QPSK	30	0	21.83	21.83	21.57				
15	QPSK	30	20	21.88	21.84	21.88			21.7	
15	QPSK	30	39	21.83	21.88	21.85				
15	QPSK	70	0	21.83	21.87	21.83				
15	HQDM	1	0	21.59	21.84	21.51				
15	HQDM	1	37	21.55	21.87	21.83			21.7	
15	HQDM	1	74	21.57	21.84	21.84				
15	HQDM	30	0	21.41	21.59	21.37				
15	HQDM	30	20	21.48	21.44	21.39				
15	HQDM	30	39	21.44	21.47	21.51			21.7	
15	HQDM	70	0	21.38	21.46	21.43				
15	HQDM	1	0	21.50	21.58	21.42				
15	HQDM	1	37	21.59	21.48	21.53				
15	HQDM	1	74	21.37	21.43	21.51			21.7	
15	HQDM	30	0	21.10	21.20	21.14				
15	HQDM	30	20	21.12	21.19	21.22				
15	HQDM	30	39	21.13	21.14	21.18				
15	HQDM	70	0	21.06	21.11	21.16			20	
15	HQDM	1	0	19.02	19.06	19.02				
15	HQDM	1	37	19.01	19.04	19.01				
15	HQDM	1	74	19.06	19.16	19.17				
15	HQDM	30	0	19.10	19.16	19.16			20	
15	HQDM	30	20	19.08	19.16	19.17				
15	HQDM	30	39	19.15	19.21	19.12				
15	HQDM	70	0	19.15	19.07	19.07				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.63	21.57	21.48			21.7	
10	QPSK	1	12	21.50	21.51	21.80				
10	QPSK	1	25	21.52	21.51	21.58				
10	QPSK	20	0	21.81	21.82	21.58				
10	QPSK	20	12	21.89	21.86	21.68			21.7	
10	QPSK	20	25	21.80	21.81	21.60				
10	QPSK	50	0	21.58	21.81	21.83				
10	HQDM	1	0	21.54	21.80	21.54				
10	HQDM	1	25	21.54	21.87	21.87			21.7	
10	HQDM	1	49	21.56	21.80	21.85				
10	HQDM	20	0	21.41	21.46	21.44				
10	HQDM	20	12	21.46	21.51	21.47				
10	HQDM	20	25	21.43	21.48	21.52			21.7	
10	HQDM	50	0	21.43	21.47	21.37				
10	HQDM	1	0	21.55	21.58	21.43				
10	HQDM	1	25	21.53	21.51	21.51				
10	HQDM	1	49	21.38	21.53	21.53			21.7	
10	HQDM	20	0	21.10	21.11	21.14				
10	HQDM	20	12	21.16	21.19	21.16				
10	HQDM	20	25	21.09	21.19	21.16				
10	HQDM	50	0	21.07	21.16	21.17			20	
10	HQDM	1	0	19.00	19.08	19.07				
10	HQDM	1	25	19.06	19.16	19.16				
10	HQDM	1	49	19.00	19.08	19.08				
10	HQDM	20	0	19.08	19.18	19.15			20	
10	HQDM	20	12	19.00	19.12	19.15				
10	HQDM	20	25	19.12	19.19	19.12				
10	HQDM	50	0	19.15	19.07	19.05				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.59	21.54	21.45			21.7	
5	QPSK	1	12	21.50	21.51	21.80				
5	QPSK	1	24	21.40	21.46	21.52				
5	QPSK	12	0	21.58	21.87	21.82				
5	QPSK	12	13	21.58	21.88	21.70			21.7	
5	QPSK	12	13	21.56	21.87	21.85				
5	QPSK	25	0	21.80	21.85	21.59				
5	HQDM	1	0	21.55	21.89	21.80				
5	HQDM	1	12	21.60	21.83	21.84			21.7	
5	HQDM	1	20	21.62	21.82	21.70				
5	HQDM	12	0	21.41	21.44	21.42				
5	HQDM	12	7	21.49	21.47	21.43				
5	HQDM	12	13	21.38	21.46	21.44			21.7	
5	HQDM	20	0	21.36	21.41	21.41				
5	HQDM	1	0	21.59	21.81	21.41				
5	HQDM	1	12	21.51	21.51	21.48				
5	HQDM	1	24	21.38	21.83	21.89			21.7	
5	HQDM	12	0	21.18	21.17	21.09				
5	HQDM	12	13	21.18	21.21	21.17				
5	HQDM	12	13	21.13	21.12	21.13				
5	HQDM	20	0	21.10	21.16	21.16			20	
5	HQDM	20	12	19.02	19.10	19.05				
5	HQDM	1	0	19.08	19.08	19.14				
5	HQDM	12	0	19.08	19.20	19.15				
5	HQDM	12	7	19.09	19.19	19.12			20	
5	HQDM	12	13	19.17	19.15	19.12				
5	HQDM	20	0	19.08	19.11	19.05				
5	HQDM	20	0	19.08	19.07	19.05				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.47	21.56	21.48			21.7	
3	QPSK	1	8	21.59	21.58	21.53				
3	QPSK	14	0	21.41	21.55	21.54				
3	QPSK	8	0	21.58	21.82	21.84				
3	QPSK	8	4	21.88	21.85	21.70			21.7	
3	QPSK	8	7	21.82	21.84	21.81				
3	QPSK	16	0	21.63	21.81	21.58				
3	HQDM	1	0	21.53	21.86	21.57				
3	HQDM	1	8	21.55	21.85	21.81			21.7	
3	HQDM	1	14	21.57	21.87	21.85				
3	HQDM	8	0	21.46	21.46	21.41				
3	HQDM	8	4	21.44	21.48	21.44				
3	HQDM	8	7	21.44	21.50	21.51			21.7	
3	HQDM	16	0	21.42	21.42	21.41				
3	HQDM	1	0	21.83	21.80	21.46				
3	HQDM	1	8	21.87	21.41	21.49				
3	HQDM	14	0	21.09	21.47	21.06			21.7	
3	HQDM	8	0	21.13	21.22	21.06				
3	HQDM	8	4	21.18	21.12	21.16				
3	HQDM	8	7	21.05	21.11	21.21				
3	HQDM	16	0	21.06	21.15	21.15			20	
3	HQDM	1	0	19.04	19.06	19.10				
3	HQDM	1	8	19.03	19.03	19.04				
3	HQDM	1	14	19.14	19.17	19.16			20	
3	HQDM	16	0	19.19	19.11	19.05				
3	HQDM	16	0	19.07	19.00	19.03				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.53	21.80	21.80			21.7	
1.4	QPSK	1	5	21.62	21.87	21.82				
1.4	QPSK	3	0	21.61	21.81	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58				
1.4	QPSK	3	1	21.58	21.87	21.58			21.7	
1.4	QPSK	3	1	21.58						

Band 4_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Time-slot (ms)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.21	22.22	22.19			
20	QPSK	1	49	22.30	22.29	22.25			22.4
20	QPSK	1	99	22.28	22.17	22.14			
20	QPSK	50	0	22.37	22.30	22.30			
20	QPSK	50	24	22.30	22.32	22.30			22.4
20	QPSK	50	50	22.30	22.36	22.30			
20	QPSK	100	0	22.32	22.33	22.34			
20	HQAM	1	0	22.18	22.20	22.19			
20	HQAM	1	49	22.24	22.19	22.15			22.4
20	HQAM	1	99	22.16	22.09	22.19			
20	HQAM	50	0	22.03	22.08	22.11			
20	HQAM	50	24	22.20	22.11	22.08			22.4
20	HQAM	50	50	22.14	22.11	22.09			
20	HQAM	100	0	22.01	22.03	22.00			
20	HQAM	1	0	22.09	22.24	22.07			22.4
20	HQAM	1	49	22.16	22.14	22.11			
20	HQAM	1	99	22.13	22.07	22.11			
20	HQAM	50	0	21.09	21.08	21.08			21.9
20	HQAM	50	24	21.17	21.05	21.06			
20	HQAM	50	50	21.13	20.88	21.02			
20	HQAM	100	0	21.00	21.05	21.01			
20	SSBQAM	1	0	19.07	19.12	19.13			19.9
20	SSBQAM	1	49	18.99	19.10	19.07			
20	SSBQAM	1	99	19.05	19.03	19.05			
20	SSBQAM	50	0	19.09	19.17	19.15			
20	SSBQAM	50	24	19.16	19.15	19.06			19.9
20	SSBQAM	50	50	19.03	19.12	19.20			
20	SSBQAM	100	0	19.18	19.10	19.14			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.18	22.23	22.20			
15	QPSK	1	37	22.25	22.23	22.21			22.4
15	QPSK	1	74	22.19	22.12	22.17			
15	QPSK	36	0	22.35	22.32	22.36			22.4
15	QPSK	36	20	22.38	22.38	22.35			
15	QPSK	36	36	22.40	22.33	22.31			
15	QPSK	76	0	22.36	22.32	22.33			
15	HQAM	1	0	22.18	22.19	22.19			22.4
15	HQAM	1	37	22.31	22.22	22.17			
15	HQAM	1	74	22.23	22.04	22.19			
15	HQAM	36	0	22.07	22.07	22.11			22.4
15	HQAM	36	20	22.20	22.11	22.04			
15	HQAM	36	36	22.08	22.00	22.09			
15	HQAM	76	0	22.05	22.06	22.06			
15	HQAM	1	0	22.05	22.21	22.12			22.4
15	HQAM	1	37	22.20	22.19	22.09			
15	HQAM	1	74	22.21	22.11	22.06			
15	HQAM	36	0	21.06	21.02	21.11			21.9
15	HQAM	36	20	21.17	21.05	21.07			
15	HQAM	36	36	21.11	21.07	20.99			
15	HQAM	76	0	21.03	21.03	20.97			
15	SSBQAM	1	0	19.04	19.12	19.07			19.9
15	SSBQAM	1	37	19.06	19.04	19.07			
15	SSBQAM	36	0	19.06	19.06	19.06			
15	SSBQAM	36	20	19.12	19.13	19.08			19.9
15	SSBQAM	36	36	18.99	19.03	19.14			
15	SSBQAM	76	0	19.08	19.05	19.10			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.16	22.17	22.23			
10	QPSK	1	25	22.30	22.28	22.22			22.4
10	QPSK	1	49	22.21	22.15	22.14			
10	QPSK	25	0	22.34	22.34	22.38			
10	QPSK	25	12	22.30	22.36	22.30			22.4
10	QPSK	25	25	22.38	22.37	22.39			
10	QPSK	50	0	22.35	22.28	22.35			
10	HQAM	1	0	22.11	22.27	22.26			22.4
10	HQAM	1	25	22.32	22.18	22.19			
10	HQAM	1	49	22.21	22.03	22.21			
10	HQAM	25	0	22.07	22.01	22.02			22.4
10	HQAM	25	12	22.16	22.11	22.06			
10	HQAM	25	25	22.12	22.09	22.09			
10	HQAM	50	0	22.01	21.99	21.97			22.4
10	HQAM	1	0	22.09	22.22	22.04			
10	HQAM	1	25	22.21	22.17	22.09			
10	HQAM	1	49	22.14	22.11	22.07			
10	HQAM	25	0	21.03	21.04	21.10			21.9
10	HQAM	25	12	21.08	21.07	21.01			
10	HQAM	25	25	21.12	20.98	21.04			
10	HQAM	50	0	21.00	21.10	20.99			
10	SSBQAM	1	0	19.04	19.04	19.09			19.9
10	SSBQAM	1	25	19.05	19.05	19.05			
10	SSBQAM	25	0	19.08	19.12	19.10			19.9
10	SSBQAM	25	12	19.10	19.10	19.06			
10	SSBQAM	25	25	19.05	19.12	19.16			
10	SSBQAM	50	0	19.12	19.07	19.09			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.14	22.18	22.21			
5	QPSK	1	12	22.26	22.23	22.26			22.4
5	QPSK	1	24	22.30	22.22	22.11			
5	QPSK	12	0	22.32	22.32	22.30			22.4
5	QPSK	12	12	22.40	22.35	22.39			
5	QPSK	12	13	22.33	22.36	22.37			
5	QPSK	25	0	22.33	22.38	22.30			22.4
5	HQAM	1	0	22.13	22.28	22.25			
5	HQAM	1	12	22.26	22.17	22.14			22.4
5	HQAM	1	24	22.15	22.12	22.21			
5	HQAM	12	0	22.08	22.10	22.11			
5	HQAM	12	7	22.10	22.09	22.08			22.4
5	HQAM	12	13	22.13	22.05	22.05			
5	HQAM	25	0	22.06	22.08	22.01			
5	HQAM	1	0	22.07	22.24	22.07			22.4
5	HQAM	1	12	22.23	22.13	22.18			
5	HQAM	1	24	22.12	22.08	22.09			
5	HQAM	12	0	21.03	21.01	21.09			21.9
5	HQAM	12	7	21.17	21.02	21.01			
5	HQAM	12	13	21.07	20.98	21.02			
5	HQAM	25	0	21.02	21.04	21.07			
5	SSBQAM	1	0	19.03	19.11	19.13			19.9
5	SSBQAM	1	12	19.03	19.05	19.01			
5	SSBQAM	1	24	19.05	19.09	19.05			
5	SSBQAM	12	0	19.03	19.09	19.05			19.9
5	SSBQAM	12	7	19.14	19.15	19.01			
5	SSBQAM	12	13	19.00	19.03	19.15			
5	SSBQAM	25	0	19.10	19.09	19.07			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.13	22.15	22.19			
3	QPSK	1	8	22.23	22.21	22.19			22.4
3	QPSK	14	0	22.22	22.14	22.11			
3	QPSK	8	0	22.34	22.21	22.34			22.4
3	QPSK	8	4	22.30	22.25	22.40			
3	QPSK	8	7	22.38	22.30	22.29			
3	QPSK	16	0	22.29	22.32	22.26			
3	HQAM	1	0	22.26	22.26	22.12			22.4
3	HQAM	1	8	22.14	22.17	22.07			
3	HQAM	1	14	22.12	22.08	22.14			
3	HQAM	8	0	21.06	21.07	21.01			22.4
3	HQAM	8	4	22.13	22.10	22.08			
3	HQAM	8	7	22.11	21.04	21.01			
3	HQAM	16	0	21.04	21.04	21.08			
3	HQAM	1	0	22.00	22.21	22.00			22.4
3	HQAM	1	8	22.08	22.13	22.08			
3	HQAM	14	0	22.03	21.97	22.02			
3	HQAM	8	0	20.95	21.08	20.97			21.9
3	HQAM	8	4	21.15	21.01	20.98			
3	HQAM	8	7	21.11	20.98	20.98			
3	HQAM	16	0	20.92	20.99	20.95			
3	SSBQAM	1	0	19.08	19.05	19.12			19.9
3	SSBQAM	1	8	19.04	19.00	19.07			
3	SSBQAM	1	14	19.08	19.04	19.08			
3	SSBQAM	8	0	19.05	19.10	19.08			
3	SSBQAM	8	4	19.14	19.09	19.02			19.9
3	SSBQAM	8	7	19.09	19.11	19.20			
3	SSBQAM	16	0	19.15	19.10	19.08			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.23	22.21	22.24			
1.4	QPSK	1	3	22.24	22.15	22.22			22.4
1.4	QPSK	1	5	22.26	22.19	22.24			
1.4	QPSK	3	0	22.26	22.18	22.24			
1.4	QPSK	3	1	22.27	22.20	22.29			22.4
1.4	QPSK	3	2	22.28	22.21	22.34			
1.4	QPSK	8	0	22.29	22.21	22.25			22.4
1.4	QPSK	8	1	22.25	22.20	22.29			
1.4	QPSK	8	2	22.24	22.19	22.28			
1.4	HQAM	1	0	22.20	22.18	22.20			22.4
1.4	HQAM	1	3	22.20	22.17	22.22			
1.4	HQAM	1	5	22.22	22.19	22.24			
1.4	HQAM	3	0	22.21	22.20	22.27			22.4
1.4	HQAM	3	1	22.23	22.20	22.18			
1.4	HQAM	3	2	22.24	22.21	22.26			
1.4	HQAM	8	0	21.17	21.14	21.18			21.9
1.4	HQAM	8	1	21.18	21.15	21.19			
1.4	HQAM	8	2	21.19	21.17	21.19			
1.4	SSBQAM	3	0	19.04	19.17	19.16			19.9

Band 7_Ant 2									
Mod	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq	Power Ch. 2 / Freq	Power Ch. 3 / Freq	Power Ch. 4 / Freq	Power Ch. 5 / Freq	Time-to- live (ms)
Channel				20660	21060	21460	Time-to- live (ms)		
Frequency (MHz)				2450	2490	2530			
20	QPSK	1	0	20.14	20.13	20.10			
20	QPSK	1	49	20.12	20.10	20.10			
20	QPSK	1	99	20.17	20.16	20.22			
20	QPSK	50	0	20.22	20.19	20.19			
20	QPSK	50	24	20.27	20.23	20.24			
20	QPSK	50	50	20.30	20.25	20.26			
20	QPSK	100	0	20.24	20.23	20.21			
20	HQAM	1	0	20.25	20.17	20.21			
20	HQAM	1	49	20.18	20.16	20.17			
20	HQAM	1	99	20.23	20.20	20.20			
20	HQAM	50	0	20.25	20.23	20.22			
20	HQAM	50	24	20.20	20.27	20.26			
20	HQAM	50	50	20.29	20.24	20.29			
20	HQAM	100	0	20.24	20.22	20.22			
20	HQAM	1	0	20.27	20.22	20.22			
20	HQAM	1	49	20.26	20.24	20.24			
20	HQAM	1	99	20.21	20.22	20.28			
20	HQAM	50	0	20.20	20.24	20.23			
20	HQAM	50	24	20.26	20.26	20.26			
20	HQAM	50	50	20.29	20.26	20.29			
20	HQAM	100	0	20.25	20.21	20.22			
20	SSBQAM	1	0	19.06	19.07	19.04			
20	SSBQAM	1	49	19.11	19.08	19.00			
20	SSBQAM	1	99	19.06	19.01	19.04			
20	SSBQAM	50	0	19.05	19.05	19.00			
20	SSBQAM	50	24	19.02	19.03	19.06			
20	SSBQAM	50	50	19.07	19.06	19.01			
20	SSBQAM	100	0	19.04	19.08	19.06			
Channel				20625	21060	21460	Time-to- live (ms)		
Frequency (MHz)				2541.5	2581.5	2621.5			
15	QPSK	1	0	20.08	20.04	20.04			
15	QPSK	1	37	20.08	20.00	20.03			
15	QPSK	74	0	20.08	20.00	20.10			
15	QPSK	36	0	20.12	20.12	20.17			
15	QPSK	36	26	20.24	20.18	20.23			
15	QPSK	36	36	20.29	20.20	20.18			
15	QPSK	75	0	20.17	20.15	20.16			
15	HQAM	1	0	20.25	20.08	20.16			
15	HQAM	1	37	20.11	20.14	20.11			
15	HQAM	1	74	20.19	20.12	20.26			
15	HQAM	36	0	20.21	20.19	20.17			
15	HQAM	36	26	20.21	20.20	20.26			
15	HQAM	36	36	20.23	20.20	20.25			
15	HQAM	75	0	20.26	20.16	20.15			
15	HQAM	1	37	20.26	20.20	20.17			
15	HQAM	1	74	20.20	20.18	20.21			
15	HQAM	36	0	20.26	20.18	20.20			
15	HQAM	36	26	20.23	20.20	20.21			
15	HQAM	36	36	20.28	20.25	20.20			
15	HQAM	75	0	20.15	20.13	20.22			
15	SSBQAM	1	0	18.88	18.88	18.14			
15	SSBQAM	1	37	19.03	19.07	19.00			
15	SSBQAM	1	74	18.86	18.86	18.05			
15	SSBQAM	36	0	18.95	18.92	18.05			
15	SSBQAM	36	26	19.07	19.00	19.00			
15	SSBQAM	36	36	19.05	18.85	19.01			
15	SSBQAM	75	0	18.94	18.83	18.86			
Channel				20650	21060	21460	Time-to- live (ms)		
Frequency (MHz)				2555	2595	2635			
10	QPSK	1	0	20.19	20.04	20.10			
10	QPSK	1	25	20.11	20.02	20.06			
10	QPSK	1	49	20.16	20.19	20.15			
10	QPSK	25	0	20.14	20.11	20.10			
10	QPSK	25	12	20.26	20.16	20.14			
10	QPSK	25	25	20.20	20.17	20.23			
10	QPSK	50	0	20.23	20.23	20.21			
10	HQAM	1	0	20.23	20.16	20.19			
10	HQAM	1	25	20.17	20.16	20.10			
10	HQAM	1	49	20.17	20.19	20.20			
10	HQAM	25	0	20.24	20.16	20.21			
10	HQAM	25	12	20.25	20.23	20.19			
10	HQAM	25	25	20.29	20.19	20.29			
10	HQAM	50	0	20.23	20.21	20.20			
10	HQAM	50	0	20.24	20.10	20.10			
10	HQAM	1	25	20.22	20.19	20.15			
10	HQAM	1	25	20.22	20.19	20.15			
10	HQAM	1	49	20.11	20.13	20.19			
10	HQAM	25	0	20.24	20.16	20.18			
10	HQAM	25	12	20.20	20.27	20.29			
10	HQAM	25	25	20.29	20.16	20.21			
10	HQAM	50	0	20.17	20.13	20.21			
10	SSBQAM	1	0	18.96	18.88	18.84			
10	SSBQAM	1	25	19.11	19.03	19.06			
10	SSBQAM	1	49	18.92	18.95	19.04			
10	SSBQAM	25	0	18.96	18.85	18.97			
10	SSBQAM	25	12	19.00	18.95	19.06			
10	SSBQAM	25	25	19.04	18.92	19.02			
10	SSBQAM	50	0	18.97	18.87	18.91			
Channel				2557.5	2595	2635	Time-to- live (ms)		
Frequency (MHz)				2562.5	2602.5	2642.5			
5	QPSK	1	0	20.06	20.10	20.01			
5	QPSK	1	49	20.11	20.01	20.05			
5	QPSK	1	24	20.14	20.13	20.22			
5	QPSK	12	0	20.12	20.12	20.18			
5	QPSK	12	7	20.20	20.18	20.16			
5	QPSK	12	13	20.27	20.16	20.20			
5	QPSK	25	0	20.21	20.18	20.17			
5	HQAM	1	0	20.23	20.17	20.14			
5	HQAM	1	12	20.16	20.06	20.10			
5	HQAM	1	24	20.22	20.16	20.24			
5	HQAM	12	0	20.15	20.22	20.20			
5	HQAM	12	7	20.20	20.22	20.26			
5	HQAM	12	13	20.21	20.24	20.26			
5	HQAM	25	0	20.24	20.13	20.16			
5	HQAM	1	49	20.20	20.19	20.18			
5	HQAM	1	24	20.18	20.22	20.27			
5	HQAM	12	0	20.23	20.14	20.13			
5	HQAM	12	7	20.19	20.28	20.28			
5	HQAM	12	13	20.19	20.26	20.20			
5	HQAM	25	0	20.22	20.17	20.12			
5	SSBQAM	1	0	18.86	18.90	18.82			
5	SSBQAM	1	12	19.10	19.05	19.02			
5	SSBQAM	1	24	18.89	18.85	18.94			
5	SSBQAM	12	0	19.03	18.90	19.00			
5	SSBQAM	12	7	19.01	18.98	19.06			
5	SSBQAM	12	13	19.03	18.82	19.01			
5	SSBQAM	25	0	19.01	18.81	18.87			

Band 25_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Power Peak Ch / Freq	Time-to- live (ms)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.58	21.57	21.54			21.7		
20	QPSK	1	49	21.81	21.86	21.82					
20	QPSK	1	99	21.59	21.54	21.54					
20	QPSK	50	0	21.69	21.68	21.67					
20	QPSK	50	24	21.70	21.69	21.70			21.7		
20	QPSK	50	50	21.67	21.67	21.68					
20	WQAM	1	0	21.65	21.68	21.63					
20	WQAM	1	49	21.69	21.69	21.69					
20	WQAM	50	0	21.53	21.53	21.52			21.7		
20	WQAM	50	24	21.52	21.52	21.52					
20	WQAM	100	0	21.51	21.50	21.53					
20	WQAM	1	0	21.64	21.61	21.63					
20	WQAM	1	49	21.64	21.61	21.63			21.7		
20	WQAM	50	0	21.21	21.17	21.19					
20	WQAM	50	24	21.23	21.22	21.25					
20	WQAM	50	50	21.16	21.17	21.21					
20	SSBQAM	1	0	19.01	19.18	19.02			20		
20	SSBQAM	1	49	18.93	18.96	18.90					
20	SSBQAM	1	99	18.91	18.94	18.89					
20	SSBQAM	50	0	19.04	19.10	19.02					
20	SSBQAM	50	24	19.15	19.18	19.00					
20	SSBQAM	50	50	19.09	19.07	19.09			20		
20	SSBQAM	100	0	19.14	19.05	19.11					
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.49	21.52	21.47				21.7	
15	QPSK	1	37	21.58	21.49	21.58					
15	QPSK	1	74	21.43	21.44	21.52					
15	QPSK	36	0	21.88	21.60	21.67					
15	QPSK	36	20	21.69	21.68	21.69			21.7		
15	QPSK	36	36	21.65	21.63	21.69					
15	QPSK	75	0	21.85	21.84	21.58					
15	WQAM	1	0	21.60	21.69	21.62					
15	WQAM	1	37	21.65	21.67	21.64			21.7		
15	WQAM	1	74	21.63	21.66	21.64					
15	WQAM	36	0	21.47	21.53	21.42					
15	WQAM	36	20	21.46	21.46	21.49					
15	WQAM	36	36	21.44	21.52	21.44			21.7		
15	WQAM	75	0	21.45	21.41	21.43					
15	WQAM	1	0	21.69	21.67	21.65					
15	WQAM	1	37	21.64	21.56	21.60					
15	WQAM	1	74	21.56	21.64	21.67			21.7		
15	WQAM	36	0	21.15	21.15	21.19					
15	WQAM	36	20	21.14	21.10	21.24					
15	WQAM	36	36	21.12	21.17	21.19					
15	WQAM	75	0	21.10	21.14	21.09			20		
15	SSBQAM	1	0	18.96	18.15	18.92					
15	SSBQAM	1	37	18.97	18.91	18.96					
15	SSBQAM	1	74	18.93	18.95	18.90					
15	SSBQAM	36	0	19.06	19.04	18.94					
15	SSBQAM	36	20	19.11	19.08	19.08			20		
15	SSBQAM	36	36	19.09	18.97	19.08					
15	SSBQAM	75	0	19.14	19.02	19.07					
Channel											
Frequency (MHz)											
10	QPSK	1	0	21.48	21.52	21.47			21.7		
10	QPSK	1	25	21.51	21.47	21.52					
10	QPSK	1	49	21.47	21.54	21.49					
10	QPSK	25	12	21.87	21.66	21.70					
10	QPSK	25	25	21.62	21.66	21.61			21.7		
10	QPSK	50	0	21.57	21.66	21.58					
10	WQAM	1	0	21.70	21.66	21.63					
10	WQAM	1	25	21.63	21.62	21.70					
10	WQAM	1	49	21.60	21.60	21.59			21.7		
10	WQAM	25	0	21.53	21.43	21.42					
10	WQAM	25	12	21.46	21.51	21.52					
10	WQAM	25	25	21.42	21.52	21.50					
10	WQAM	50	0	21.43	21.48	21.49			21.7		
10	WQAM	50	12	21.66	21.67	21.60					
10	WQAM	1	25	21.69	21.57	21.65					
10	WQAM	1	49	21.64	21.63	21.65					
10	WQAM	25	0	21.18	21.14	21.12			21.7		
10	WQAM	25	12	21.15	21.19	21.15					
10	WQAM	25	25	21.16	21.10	21.20					
10	WQAM	50	0	21.17	21.14	21.09					
10	SSBQAM	1	0	19.01	19.14	18.96			20		
10	SSBQAM	1	25	18.99	18.96	18.97					
10	SSBQAM	1	49	18.94	19.01	18.90					
10	SSBQAM	25	0	19.02	19.06	18.95					
10	SSBQAM	25	12	19.12	19.16	18.96			20		
10	SSBQAM	25	25	19.03	19.00	19.08					
10	SSBQAM	50	0	19.10	19.04	19.03					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.49	21.54	21.51			21.7		
5	QPSK	1	12	21.54	21.53	21.56					
5	QPSK	1	24	21.50	21.54	21.44					
5	QPSK	12	0	21.59	21.51	21.65					
5	QPSK	12	7	21.64	21.57	21.61			21.7		
5	QPSK	12	13	21.61	21.59	21.65					
5	QPSK	25	0	21.61	21.62	21.67					
5	WQAM	1	0	21.65	21.61	21.61					
5	WQAM	1	12	21.67	21.68	21.68			21.7		
5	WQAM	1	24	21.58	21.66	21.57					
5	WQAM	12	0	21.44	21.53	21.43					
5	WQAM	12	7	21.53	21.48	21.52					
5	WQAM	12	13	21.41	21.46	21.52			21.7		
5	WQAM	25	0	21.45	21.47	21.52					
5	WQAM	1	0	21.69	21.66	21.65					
5	WQAM	1	12	21.68	21.61	21.67					
5	WQAM	1	24	21.69	21.70	21.68			21.7		
5	WQAM	12	0	21.12	21.15	21.12					
5	WQAM	12	7	21.15	21.17	21.20					
5	WQAM	12	13	21.14	21.10	21.18					
5	WQAM	25	0	21.15	21.04	21.10			20		
5	SSBQAM	1	0	19.08	19.18	19.01					
5	SSBQAM	1	12	18.94	18.96	18.95					
5	SSBQAM	1	24	18.90	18.97	18.93					
5	SSBQAM	12	0	19.07	19.09	19.09			20		
5	SSBQAM	12	7	19.06	19.15	18.98					
5	SSBQAM	12	13	19.09	19.00	19.02					
5	SSBQAM	25	0	19.07	19.07	19.05					
Channel											
Frequency (MHz)											
1651.5	QPSK	1	0	21.57	21.48	21.54			21.7		
3	QPSK	1	8	21.57	21.46	21.61					
3	QPSK	14	0	21.47	21.51	21.48					
3	QPSK	8	0	21.67	21.64	21.60					
3	QPSK	8	4	21.62	21.66	21.62			21.7		
3	QPSK	8	7	21.63	21.58	21.68					
3	QPSK	16	0	21.61	21.59	21.66					
3	WQAM	1	0	21.61	21.66	21.56					
3	WQAM	1	8	21.63	21.59	21.67			21.7		
3	WQAM	1	14	21.61	21.69	21.62					
3	WQAM	8	0	21.46	21.43	21.44					
3	WQAM	8	4	21.52	21.48	21.50					
3	WQAM	8	7	21.45	21.43	21.48			21.7		
3	WQAM	16	0	21.48	21.45	21.53					
3	WQAM	1	0	21.69	21.60	21.58					
3	WQAM	1	8	21.69	21.64	21.62			21.7		
3	WQAM	1	14	21.62	21.67	21.67					
3	WQAM	8	0	21.16	21.11	21.19					
3	WQAM	8	4	21.17	21.10	21.21			21.7		
3	WQAM	8	7	21.07	21.09	21.13					
3	WQAM	16	0	21.10	21.15	21.00					
3	SSBQAM	1	8	18.93	18.98	18.98			20		
3	SSBQAM	1	14	18.94	18.97	18.90					
3	SSBQAM	8	0	19.06	19.07	19.00					
3	SSBQAM	8	4	19.12	19.08	18.95					
3	SSBQAM	8	7	19.10	19.14	18.98					
3	SSBQAM	16	0	19.12	18.99	19.03					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.60	21.67	21.52			21.7		
1.4	QPSK	1	3	21.58	21.62	21.49					
1.4	QPSK	3	0	21.62	21.68	21.51					
1.4	QPSK	3	1	21.65	21.63	21.50					
1.4	QPSK	3	2	21.66	21.64	21.52			21.7		
1.4	QPSK	6	0	21.54	21.59	21.45					
1.4	WQAM	1	0	21.60	21.66	21.51					
1.4	WQAM	1	3	21.62	21.61	21.53					
1.4	WQAM	3	0	21.59	21.61	21.49			21.7		
1.4	WQAM	3	1	21.60	21.57	21.53					
1.4	WQAM	3	2	21.60	21.59	21.49					
1.4	WQAM	6	0	21.63	21.64	21.64					
1.4	WQAM	1	0	21.66	21.68	21.51			21.7		
1.4	WQAM	1	3	21.65	21.62	21.52					
1.4	WQAM	3	0	21.61	21.70	21.62					
1.4	WQAM	3	1	21.63	21.67	21.62					
1.4	WQAM	3	2	21.64	21.68	21.62			21.7		
1.4	WQAM	6	0	21.59	21.63	21.48					
1.4	WQAM	1	0	18.96	19.18	19.09					
1.4	WQAM	1	3	18.97	19.14	18.94					
1.4	SSBQAM	1	5	18.99	19.03	18.86			20		
1.4	SSBQAM	3	0	19.05	19.04	19.03					
1.4	SSBQAM	3	1	19.10	19.14	18.98					
1.4	SSBQAM	3	2	19.09	18.99	19.03					



Band 30_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Time-to-Start (sec)		
Channel				27710					
Frequency (MHz)				21.06					
10	QPSK	1	0	21.08			21.5		
10	QPSK	1	25	21.08					
10	QPSK	1	49	21.04					
10	QPSK	25	0	21.10			21.5		
10	QPSK	25	10	21.10					
10	QPSK	25	25	21.08					
10	QPSK	50	0	21.11			21.5		
10	HQAM	1	0	21.13					
10	HQAM	1	25	21.29					
10	HQAM	1	49	21.30			21.5		
10	HQAM	25	0	21.14					
10	HQAM	25	10	21.14					
10	HQAM	25	25	21.12			21.5		
10	HQAM	50	0	21.15					
10	HQAM	1	0	21.27					
10	HQAM	1	25	21.21			21.5		
10	HQAM	1	49	21.21					
10	HQAM	25	0	21.12					
10	HQAM	25	10	21.13			21.5		
10	HQAM	25	25	21.12					
10	HQAM	50	0	21.14					
10	SSBQAM	1	0	19.45			20		
10	SSBQAM	1	25	19.24					
10	SSBQAM	1	49	19.25					
10	SSBQAM	25	0	19.53			20		
10	SSBQAM	25	10	19.47					
10	SSBQAM	25	25	19.36					
10	SSBQAM	50	0	19.54					
Channel				27685	27710	27735	Time-to-Start (sec)		
Frequency (MHz)				21.07	21.07	21.07			
5	QPSK	1	0	21.01	21.03	21.07	21.5		
5	QPSK	1	10	21.03	21.02	21.04			
5	QPSK	1	24	21.01	21.00	21.02			
5	QPSK	12	0	21.03	21.07	21.08	21.5		
5	QPSK	12	7	21.01	21.09	21.10			
5	QPSK	12	15	21.01	21.07	21.07			
5	QPSK	25	0	21.01	21.08	21.07	21.5		
5	HQAM	1	0	21.25	21.30	21.30			
5	HQAM	1	10	21.28	21.32	21.30			
5	HQAM	1	24	21.29	21.29	21.30	21.5		
5	HQAM	12	0	21.05	21.13	21.16			
5	HQAM	12	7	21.11	21.18	21.17			
5	HQAM	12	15	21.08	21.15	21.14	21.5		
5	HQAM	25	0	21.06	21.11	21.14			
5	HQAM	25	0	21.18	21.22	21.30			
5	HQAM	1	10	21.18	21.24	21.24	21.5		
5	HQAM	1	24	21.22	21.24	21.22			
5	HQAM	12	0	21.03	21.10	21.14			
5	HQAM	12	7	21.05	21.13	21.15	21.5		
5	HQAM	12	15	21.02	21.10	21.15			
5	HQAM	25	0	21.07	21.10	21.11			
5	SSBQAM	1	0	19.45	19.38	19.38	20		
5	SSBQAM	1	10	19.40	19.33	19.26			
5	SSBQAM	1	24	19.37	19.30	19.23			
5	SSBQAM	12	0	19.47	19.42	19.45	20		
5	SSBQAM	12	7	19.42	19.39	19.38			
5	SSBQAM	12	15	19.37	19.37	19.40			
5	SSBQAM	25	0	19.54	19.40	19.45			

Band 66_Ant 2											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Power Max Ch. / Freq	Power Min Ch. / Freq	Power Max Ch. / Freq	Time-to-lead (ms)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.37	22.38	22.30				22.4	
20	QPSK	1	49	22.39	22.38	22.40					
20	QPSK	1	99	22.39	22.31	22.39					
20	QPSK	50	0	22.23	22.24	22.25					
20	QPSK	50	24	22.26	22.25	22.33				22.4	
20	QPSK	50	50	22.26	22.21	22.32					
20	HQAM	1	0	22.32	22.33	22.38					
20	HQAM	1	49	24.00	22.24	22.38					
20	HQAM	1	99	22.37	22.31	22.40				22.4	
20	HQAM	50	0	22.23	22.20	22.25					
20	HQAM	50	24	22.29	22.21	22.36					
20	HQAM	50	50	22.29	22.21	22.36					
20	HQAM	100	0	22.21	22.13	22.20				22.4	
20	HQAM	1	0	22.23	22.19	22.28					
20	HQAM	1	49	24.00	22.24	22.38					
20	HQAM	1	99	22.38	22.26	22.37					
20	HQAM	50	0	21.26	21.20	21.27				21.9	
20	HQAM	50	24	21.26	21.22	21.31					
20	HQAM	50	50	21.25	21.20	21.28					
20	HQAM	100	0	21.23	21.13	21.22					
20	SSBQAM	1	0	19.08	19.21	19.17				19.9	
20	SSBQAM	1	49	19.03	19.12	19.12					
20	SSBQAM	1	99	19.09	19.03	19.05					
20	SSBQAM	50	0	19.14	19.18	19.08					
20	SSBQAM	50	24	19.10	19.17	19.06					
20	SSBQAM	50	50	19.07	19.17	19.17					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.34	22.30	22.33				22.4	
15	QPSK	1	37	22.30	22.37	22.38					
15	QPSK	1	74	22.38	22.31	22.30					
15	QPSK	36	0	22.23	22.14	22.23					
15	QPSK	36	20	22.17	22.24	22.29				22.4	
15	QPSK	36	36	22.17	22.20	22.25					
15	QPSK	75	0	22.20	22.13	22.20					
15	HQAM	1	0	22.25	22.27	22.31					
15	HQAM	1	37	22.38	22.20	22.38				22.4	
15	HQAM	1	74	22.34	22.30	22.37					
15	HQAM	36	0	22.18	22.10	22.20					
15	HQAM	36	20	22.21	22.17	22.26					
15	HQAM	36	36	22.29	22.11	22.21				22.4	
15	HQAM	75	0	22.11	22.09	22.11					
15	HQAM	1	0	22.18	22.15	22.27					
15	HQAM	1	37	22.31	22.18	22.29					
15	HQAM	1	74	22.32	22.16	22.30				21.9	
15	HQAM	36	0	21.26	21.19	21.24					
15	HQAM	36	20	21.20	21.16	21.20					
15	HQAM	36	36	21.28	21.12	21.20					
15	HQAM	75	0	21.14	21.09	21.18				19.9	
15	SSBQAM	1	0	19.09	19.21	19.14					
15	SSBQAM	1	25	19.02	19.02	19.02					
15	SSBQAM	1	49	19.09	19.09	19.07					
15	SSBQAM	25	0	19.12	19.13	19.08				19.9	
15	SSBQAM	25	12	19.06	19.14	19.07					
15	SSBQAM	25	25	19.09	19.08	19.09					
15	SSBQAM	50	0	19.03	19.16	19.07					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.33	22.28	22.34				22.4	
10	QPSK	1	12	22.30	22.38	22.40					
10	QPSK	1	24	22.36	22.26	22.38					
10	QPSK	12	0	22.21	22.24	22.20					
10	QPSK	12	7	22.24	22.25	22.22				22.4	
10	QPSK	12	13	22.24	22.20	22.30					
10	QPSK	25	0	22.21	22.18	22.24					
10	HQAM	1	0	22.24	22.30	22.30					
10	HQAM	1	12	22.36	22.19	22.27				22.4	
10	HQAM	1	24	22.35	22.22	22.31					
10	HQAM	12	0	22.17	22.12	22.24					
10	HQAM	12	7	22.27	22.20	22.23					
10	HQAM	12	13	22.24	22.17	22.30				22.4	
10	HQAM	25	0	22.16	22.07	22.20					
10	HQAM	1	0	22.20	22.14	22.25					
10	HQAM	1	12	22.40	22.28	22.23					
10	HQAM	1	24	22.32	22.20	22.32				21.9	
10	HQAM	12	0	21.19	21.16	21.25					
10	HQAM	12	7	21.22	21.20	21.28					
10	HQAM	12	13	21.25	21.10	21.22					
10	HQAM	25	0	21.17	21.05	21.13				19.9	
10	SSBQAM	1	0	19.06	19.16	19.16					
10	SSBQAM	1	12	19.08	19.12	19.02					
10	SSBQAM	1	24	19.03	19.09	19.09					
10	SSBQAM	12	0	19.09	19.13	19.08				19.9	
10	SSBQAM	12	7	19.10	19.10	19.09					
10	SSBQAM	12	13	19.07	19.15	19.09					
10	SSBQAM	25	0	19.11	19.10	19.01					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.31	22.30	22.34				22.4	
5	QPSK	1	8	22.30	22.30	22.30					
5	QPSK	14	0	22.33	22.31	22.35					
5	QPSK	8	0	22.18	22.24	22.15					
5	QPSK	8	4	22.18	22.18	22.21				22.4	
5	QPSK	8	7	22.17	22.13	22.25					
5	QPSK	16	0	22.21	22.12	22.22					
5	HQAM	1	0	22.29	22.21	22.27					
5	HQAM	1	8	22.35	22.17	22.27				22.4	
5	HQAM	1	14	22.32	22.27	22.33					
5	HQAM	8	0	22.21	22.26	22.15					
5	HQAM	8	4	22.27	22.20	22.32					
5	HQAM	8	7	22.24	22.18	22.28				22.4	
5	HQAM	16	0	22.12	22.10	22.13					
5	HQAM	1	0	22.22	22.13	22.28					
5	HQAM	1	8	22.37	22.22	22.29					
5	HQAM	1	14	22.38	22.17	22.31				21.9	
5	HQAM	8	0	21.26	21.16	21.26					
5	HQAM	8	4	21.29	21.13	21.21					
5	HQAM	8	7	21.10	21.11	21.22					
5	HQAM	16	0	21.21	21.11	21.21				21.9	
5	SSBQAM	1	0	19.09	19.13	19.06					
5	SSBQAM	1	8	19.03	19.03	19.03					
5	SSBQAM	1	14	19.09	19.09	19.07					
5	SSBQAM	8	0	19.04	19.16	19.08				19.9	
5	SSBQAM	8	4	19.01	19.17	19.06					
5	SSBQAM	8	7	19.05	19.14	19.11					
5	SSBQAM	8	14	19.05	19.14	19.11					
5	SSBQAM	16	0	19.10	19.10	19.04					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.30	22.29	22.35				22.4	
1.4	QPSK	1	3	22.35	22.30	22.37					
1.4	QPSK	1	22	22.33	22.33	22.35					
1.4	QPSK	3	1	22.26	22.33	22.30					
1.4	QPSK	3	5	22.23	22.30	22.28				22.4	
1.4	QPSK	3	1	22.32	22.28	22.37					
1.4	HQAM	1	0	22.30	22.33	22.30					
1.4	HQAM	1	5	22.30	22.29	22.34					
1.4	HQAM	3	0	22.22	22.29	22.18				22.4	
1.4	HQAM	3	5	22.29	22.19	22.28					
1.4	HQAM	3	3	22.28	22.12	22.15					
1.4	HQAM	3	22	22.32	22.15	22.28					
1.4	HQAM	1	0	22.32	22.18	22.28				22.4	
1.4	HQAM	1	3	22.31	22.17	22.21					
1.4	HQAM	3	1	22.24	22.29	22.23					
1.4	HQAM	3	5	22.23	22.29	22.23					
1.4	SSBQAM	1	0	21.12	21.03	21.08				21.9	
1.4	SSBQAM	1	5	19.07	19.18	19.08					
1.4	SSBQAM	1	22	19.09	19.03	19.03					
1.4	SSBQAM	1	3	19.07	19.00	19.01					
1.4	SSBQAM	3	0	19.05	19.14	19.06					
1.4	SSBQAM	3	19	19.05	19.17	19.01					

Band 2_Ant 0												
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Med. Ch./Freq	Power Hgh. Ch./Freq	Time slot (ms)					
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.37	23.73	23.85	24.7					
20	QPSK	1	49	23.45	23.84	23.74						
20	QPSK	1	99	23.36	23.65	23.58						
20	QPSK	50	0	22.83	22.87	22.82						
20	QPSK	50	24	22.82	22.87	22.88	23.7					
20	QPSK	50	50	22.82	22.87	22.88						
20	QPSK	100	0	22.97	23.14	22.98						
20	HQDM	1	0	22.97	22.99	23.03						
20	HQDM	1	49	22.91	22.93	22.87	23.7					
20	HQDM	50	0	21.95	21.86	21.82						
20	HQDM	50	24	21.99	21.41	21.87						
20	HQDM	50	50	21.94	21.84	21.86						
20	HQDM	100	0	21.92	21.84	21.84	22.7					
20	HQDM	1	0	21.94	21.98	21.80						
20	HQDM	1	49	21.96	21.95	21.86						
20	HQDM	50	0	20.94	20.85	20.83						
20	HQDM	50	24	20.95	20.83	20.88	21.7					
20	HQDM	50	50	20.91	20.80	20.88						
20	HQDM	100	0	20.93	20.79	20.83						
20	SSBQAM	1	0	18.84	18.74	18.85						
20	SSBQAM	1	49	18.97	18.89	18.77	19.7					
20	SSBQAM	1	99	18.89	18.79	18.75						
20	SSBQAM	50	0	18.94	19.00	18.81						
20	SSBQAM	50	24	18.05	18.88	18.86						
20	SSBQAM	50	50	18.99	18.87	18.89	19.7					
20	SSBQAM	100	0	18.95	18.87	18.80						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.78	23.78	23.70	24.7					
15	QPSK	1	37	23.71	23.54	23.70						
15	QPSK	1	74	23.80	23.71	23.73						
15	QPSK	30	0	22.92	22.85	22.83						
15	QPSK	30	20	22.93	22.85	22.88	23.7					
15	QPSK	30	39	22.92	22.83	22.88						
15	QPSK	70	0	22.84	22.85	22.88						
15	HQDM	1	0	22.97	23.07	22.93						
15	HQDM	1	37	22.95	23.06	23.00	23.7					
15	HQDM	1	74	22.98	22.93	22.94						
15	HQDM	30	0	21.92	21.86	21.84						
15	HQDM	30	20	21.91	21.88	21.88	22.7					
15	HQDM	30	39	21.90	21.84	21.80						
15	HQDM	70	0	21.93	21.83	21.84						
15	HQDM	1	0	22.02	22.03	21.93						
15	HQDM	1	37	21.98	21.94	22.04	21.7					
15	HQDM	1	74	21.98	21.98	21.90						
15	HQDM	30	0	20.94	20.85	20.83						
15	HQDM	30	20	20.94	20.85	20.84						
15	HQDM	30	39	20.91	20.82	20.88	19.7					
15	HQDM	70	0	20.91	20.83	20.83						
15	SSBQAM	1	0	18.95	18.94	18.76						
15	SSBQAM	1	37	18.95	18.99	18.92						
15	SSBQAM	1	74	18.98	18.83	18.75	19.7					
15	SSBQAM	30	0	18.96	18.87	18.84						
15	SSBQAM	30	20	18.95	18.88	18.83						
15	SSBQAM	30	39	18.91	18.86	18.83						
15	SSBQAM	70	0	18.98	18.90	18.83	19.7					
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.79	23.89	23.99	24.7					
10	QPSK	1	25	23.70	23.72	23.58						
10	QPSK	1	49	23.80	23.81	23.73						
10	QPSK	20	0	22.83	22.78	22.77						
10	QPSK	20	12	22.89	22.81	22.81	23.7					
10	QPSK	20	25	22.90	22.81	22.81						
10	QPSK	50	0	22.91	22.83	22.84						
10	HQDM	1	0	23.11	23.02	23.03						
10	HQDM	1	25	23.08	22.99	22.98	23.7					
10	HQDM	1	49	23.04	22.95	23.01						
10	HQDM	20	0	21.89	21.78	21.80						
10	HQDM	20	12	21.89	21.77	21.80	22.7					
10	HQDM	20	25	20.97	21.79	21.81						
10	HQDM	50	0	21.98	21.83	21.87						
10	HQDM	1	0	22.00	21.91	21.81						
10	HQDM	1	25	21.94	21.87	21.94	21.7					
10	HQDM	1	49	21.99	21.94	21.94						
10	HQDM	20	0	20.99	20.80	20.81						
10	HQDM	20	12	20.88	20.79	20.82						
10	HQDM	20	25	20.83	20.79	20.80	19.7					
10	HQDM	50	0	20.29	20.83	20.84						
10	SSBQAM	1	0	18.06	18.88	18.81						
10	SSBQAM	1	25	18.91	18.85	18.87						
10	SSBQAM	1	49	18.97	18.94	18.95	19.7					
10	SSBQAM	20	0	18.99	18.91	18.89						
10	SSBQAM	20	12	18.98	18.94	18.86						
10	SSBQAM	20	25	18.99	18.98	18.98						
10	SSBQAM	50	0	18.05	18.95	18.88	19.7					
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.81	23.75	23.74	24.7					
5	QPSK	1	12	23.75	23.68	23.67						
5	QPSK	1	24	23.82	23.75	23.75						
5	QPSK	12	0	22.90	22.81	22.80						
5	QPSK	12	7	22.91	22.82	22.81	23.7					
5	QPSK	12	13	22.91	22.80	22.80						
5	QPSK	25	0	22.81	22.82	22.81						
5	HQDM	1	0	23.10	23.05	23.09						
5	HQDM	1	12	23.05	22.96	22.95	23.7					
5	HQDM	1	20	23.02	22.97	22.91						
5	HQDM	12	0	21.94	21.83	21.81						
5	HQDM	12	7	21.94	21.83	21.81	22.7					
5	HQDM	12	13	21.91	21.82	21.83						
5	HQDM	20	0	21.91	21.80	21.80						
5	HQDM	1	0	22.01	21.92	21.90						
5	HQDM	1	12	22.08	21.94	21.94	21.7					
5	HQDM	1	24	22.01	21.87	21.89						
5	HQDM	12	0	20.98	20.80	20.84						
5	HQDM	12	7	20.98	20.81	20.82						
5	HQDM	12	13	20.95	20.83	20.82	19.7					
5	HQDM	20	0	20.96	20.81	20.79						
5	SSBQAM	1	0	18.92	18.88	18.84						
5	SSBQAM	1	12	18.93	18.81	18.84						
5	SSBQAM	1	24	18.96	18.85	18.87	19.7					
5	SSBQAM	12	0	18.99	18.87	18.84						
5	SSBQAM	12	7	18.99	18.85	18.80						
5	SSBQAM	12	13	18.99	18.82	18.80						
5	SSBQAM	20	0	18.97	18.85	18.83	19.7					
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.83	23.75	23.71	24.7					
3	QPSK	1	8	23.79	23.68	23.67						
3	QPSK	14	0	23.82	23.74	23.69						
3	QPSK	8	0	22.88	22.77	22.75						
3	QPSK	8	4	22.88	22.77	22.81	23.7					
3	QPSK	8	7	22.91	22.79	22.78						
3	QPSK	8	14	22.92	22.78	22.78						
3	HQDM	1	0	23.08	22.99	22.97						
3	HQDM	1	8	22.97	22.91	22.72	23.7					
3	HQDM	1	16	23.05	22.94	22.95						
3	HQDM	8	0	21.92	21.80	21.78						
3	HQDM	8	4	21.92	21.81	21.79	22.7					
3	HQDM	8	7	21.94	21.82	21.75						
3	HQDM	16	0	21.90	21.77	21.78						
3	HQDM	1	0	22.01	21.80	21.87						
3	HQDM	1	8	21.98	21.84	21.88	21.7					
3	HQDM	1	16	22.04	21.90	21.86						
3	HQDM	8	0	20.99	20.81	20.79						
3	HQDM	8	4	20.98	20.77	20.78						
3	HQDM	8	7	20.93	20.81	20.78	19.7					
3	SSBQAM	1	0	18.93	18.80	18.81						
3	SSBQAM	8	0	19.02	18.77	18.75						
3	SSBQAM	8	4	19.02	18.79	18.79						
3	SSBQAM	8	7	18.98	18.82	18.80	19.7					
3	SSBQAM	16	0	19.03	18.86	18.81						
3	SSBQAM	16	8	19.03	18.83	18.74						
3	SSBQAM	16	16	18.98	18.84	18.75						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.59	23.72	23.87	24.7					
1.4	QPSK	1	3	23.75	23.69	23.57						
1.4	QPSK	1	6	23.92	23.72	23.46						
1.4	QPSK	3	0	22.83	22.74	23.76						
1.4	QPSK	3	1	23.83	23.76	23.78	23.7					
1.4	QPSK	3	2	23.82	23.66	23.71						
1.4	QPSK	8	0	22.85	22.76	23.73						
1.4	HQDM	1	0	22.88	22.94	22.91						
1.4	HQDM	1	3	22.91	22.89	22.89	23.7					
1.4	HQDM	1	6	22.93	22.93	22.91						
1.4	HQDM	3	0	22.94	22.83	22.81						
1.4	HQDM	3	1	22.98	22.82	22.82	22.7					
1.4	HQDM	3	2	22.98	22.77	22.75						
1.4	HQDM	8	0	21.92	21.77	21.78						
1.4	HQDM	1	0	22.01	21.80	21.82						
1.4	HQDM	1	3	22.04	21.74	21.74	21.7					
1.4	HQDM	1	6	22.03	21.59	21.86						
1.4	HQDM	3	0	21.84	21.68	21.84						
1.4	HQDM	3	1	21.95	21.81	21.84						
1.4	HQDM	3	2	21.95	21.81	21.84	20.7					
1.4	HQDM	8	0	20.87	20.75	20.72						
1.4	HQDM	1	0	20.97	20.82	20.79						
1.4	HQDM	1	3	20.98	20.83	20.81						
1.4	SSBQAM	1	0	18.93	18.80	18.76	19.7					
1.4	SSBQAM	3	0	18.96	18.82	18.79						
1.4	SSBQAM	3	1	18.99	18.86	18.81						
1.4	SSBQAM	3	2	18.98	18.83	18.79						

Band 4_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Time slot (ms)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.51	23.58	23.58			
20	QPSK	1	49	23.70	23.81	23.81			24.7
20	QPSK	1	99	23.58	23.51	23.48			
20	QPSK	50	0	22.70	22.71	22.70			
20	QPSK	50	24	22.73	22.74	22.87			
20	QPSK	50	50	22.71	22.69	22.62			23.7
20	QPSK	100	0	22.71	22.69	22.65			
20	HQAM	1	0	22.82	22.81	22.85			
20	HQAM	1	49	22.88	22.92	22.82			23.7
20	HQAM	1	99	22.80	22.77	22.78			
20	HQAM	50	0	21.73	21.73	21.69			
20	HQAM	50	24	21.79	21.73	21.68			22.7
20	HQAM	50	50	21.78	21.68	21.62			
20	HQAM	100	0	21.71	21.68	21.62			
20	HQAM	1	0	21.73	21.76	21.71			22.7
20	HQAM	1	49	21.84	21.76	21.71			
20	HQAM	1	99	21.75	21.62	21.55			
20	HQAM	50	0	20.75	20.73	20.68			21.7
20	HQAM	50	24	20.77	20.72	20.67			
20	HQAM	50	50	20.76	20.67	20.63			
20	HQAM	100	0	20.70	20.67	20.62			
20	SSBQAM	1	0	18.48	18.51	18.50			19.7
20	SSBQAM	1	49	18.82	18.88	18.54			
20	SSBQAM	1	99	18.81	18.59	18.49			
20	SSBQAM	50	0	18.62	18.68	18.58			
20	SSBQAM	50	24	18.71	18.65	18.56			19.7
20	SSBQAM	50	50	18.73	18.66	18.58			
20	SSBQAM	100	0	18.62	18.64	18.53			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.57	23.61	23.58			
15	QPSK	1	37	23.59	23.54	23.52			24.7
15	QPSK	1	74	23.63	23.57	23.52			
15	QPSK	36	0	22.71	22.71	22.68			23.7
15	QPSK	36	20	22.71	22.71	22.68			
15	QPSK	36	36	22.73	22.69	22.63			
15	QPSK	72	0	22.71	22.71	22.65			
15	HQAM	1	0	22.87	22.92	22.82			23.7
15	HQAM	1	25	22.82	22.82	22.82			
15	HQAM	1	49	22.93	22.84	22.83			
15	HQAM	25	0	21.72	21.71	21.66			22.7
15	HQAM	25	12	21.74	21.70	21.66			
15	HQAM	25	25	21.74	21.71	21.63			
15	HQAM	50	0	21.74	21.71	21.65			
15	HQAM	1	0	21.84	21.86	21.72			22.7
15	HQAM	1	25	21.86	21.77	21.63			
15	HQAM	1	49	21.86	21.75	21.71			
15	HQAM	25	0	20.71	20.69	20.61			21.7
15	HQAM	25	12	20.71	20.69	20.61			
15	HQAM	25	25	20.73	20.69	20.61			
15	HQAM	50	0	20.74	20.70	20.64			
15	SSBQAM	1	0	18.51	18.52	18.44			19.7
15	SSBQAM	1	25	18.66	18.65	18.44			
15	SSBQAM	1	49	18.78	18.49	18.50			
15	SSBQAM	25	0	18.63	18.69	18.50			
15	SSBQAM	25	12	18.68	18.73	18.54			19.7
15	SSBQAM	25	25	18.73	18.61	18.58			
15	SSBQAM	50	0	18.58	18.69	18.46			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.68	23.65	23.65			
10	QPSK	1	25	23.48	23.47	23.37			24.7
10	QPSK	1	49	23.65	23.59	23.52			
10	QPSK	25	12	22.70	22.69	22.64			23.7
10	QPSK	25	25	22.72	22.69	22.61			
10	QPSK	50	0	22.74	22.72	22.64			
10	HQAM	1	0	22.87	22.92	22.82			23.7
10	HQAM	1	25	22.84	22.82	22.82			
10	HQAM	1	49	22.93	22.84	22.83			
10	HQAM	25	0	21.72	21.71	21.68			22.7
10	HQAM	25	12	21.74	21.70	21.66			
10	HQAM	25	25	21.74	21.71	21.63			
10	HQAM	50	0	21.74	21.71	21.65			
10	HQAM	1	0	21.84	21.86	21.72			22.7
10	HQAM	1	25	21.86	21.77	21.63			
10	HQAM	1	49	21.86	21.75	21.71			
10	HQAM	25	0	20.71	20.69	20.61			21.7
10	HQAM	25	12	20.71	20.69	20.61			
10	HQAM	25	25	20.73	20.69	20.61			
10	HQAM	50	0	20.74	20.70	20.64			
10	SSBQAM	1	0	18.51	18.52	18.44			19.7
10	SSBQAM	1	25	18.66	18.65	18.44			
10	SSBQAM	1	49	18.78	18.49	18.50			
10	SSBQAM	25	0	18.63	18.69	18.50			
10	SSBQAM	25	12	18.68	18.73	18.54			19.7
10	SSBQAM	25	25	18.73	18.61	18.58			
10	SSBQAM	50	0	18.58	18.69	18.46			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.68	23.65	23.65			
5	QPSK	1	12	23.65	23.68	23.58			24.7
5	QPSK	1	24	23.62	23.63	23.54			
5	QPSK	12	0	22.74	22.71	22.61			23.7
5	QPSK	12	6	22.75	22.71	22.62			
5	QPSK	12	13	22.76	22.70	22.60			
5	QPSK	25	0	22.76	22.71	22.60			
5	HQAM	1	0	22.85	22.88	22.85			23.7
5	HQAM	1	12	22.93	22.88	22.81			
5	HQAM	1	24	22.96	22.89	22.86			
5	HQAM	12	0	21.78	21.74	21.64			22.7
5	HQAM	12	7	21.80	21.74	21.68			
5	HQAM	12	13	21.80	21.73	21.62			
5	HQAM	25	0	21.79	21.72	21.62			
5	HQAM	1	0	21.90	21.86	21.78			22.7
5	HQAM	1	12	21.99	21.84	21.77			
5	HQAM	1	24	21.84	21.81	21.74			
5	HQAM	12	0	20.78	20.70	20.60			21.7
5	HQAM	12	7	20.77	20.70	20.61			
5	HQAM	12	13	20.76	20.68	20.60			
5	HQAM	25	0	20.78	20.70	20.60			
5	SSBQAM	1	0	18.57	18.53	18.51			19.7
5	SSBQAM	1	12	18.84	18.70	18.50			
5	SSBQAM	1	24	18.75	18.63	18.40			
5	SSBQAM	12	0	18.69	18.69	18.50			
5	SSBQAM	12	7	18.81	18.75	18.54			19.7
5	SSBQAM	12	13	18.83	18.74	18.63			
5	SSBQAM	25	0	18.66	18.54	18.46			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.65	23.62	23.52			
3	QPSK	1	8	23.60	23.57	23.46			24.7
3	QPSK	14	0	23.67	23.60	23.52			
3	QPSK	8	0	22.72	22.67	22.56			23.7
3	QPSK	8	4	22.70	22.64	22.53			
3	QPSK	8	7	22.74	22.68	22.58			
3	QPSK	16	0	22.73	22.67	22.56			
3	HQAM	1	0	22.86	22.91	22.85			23.7
3	HQAM	1	8	22.89	22.83	22.76			
3	HQAM	1	14	22.98	22.94	22.83			
3	HQAM	8	0	21.78	21.66	21.62			22.7
3	HQAM	8	4	21.80	21.67	21.58			
3	HQAM	8	7	21.83	21.79	21.62			
3	HQAM	16	0	21.78	21.66	21.55			
3	HQAM	1	0	21.82	21.81	21.68			22.7
3	HQAM	1	8	21.81	21.70	21.65			
3	HQAM	1	14	21.87	21.78	21.69			
3	HQAM	8	0	20.72	20.66	20.59			21.7
3	HQAM	8	4	20.71	20.63	20.56			
3	HQAM	8	7	20.77	20.68	20.60			
3	HQAM	16	0	20.73	20.64	20.56			
3	SSBQAM	1	0	18.56	18.50	18.56			19.7
3	SSBQAM	1	8	18.73	18.72	18.48			
3	SSBQAM	1	14	18.88	18.57	18.42			
3	SSBQAM	8	0	18.69	18.65	18.60			
3	SSBQAM	8	4	18.75	18.58	18.64			19.7
3	SSBQAM	8	7	18.83	18.58	18.53			
3	SSBQAM	16	0	18.54	18.67	18.53			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.59	23.51	23.51			
1.4	QPSK	1	3	23.59	23.56	23.47			24.7
1.4	QPSK	1	6	23.62	23.63	23.52			
1.4	QPSK	1	9	23.68	23.60	23.56			
1.4	QPSK	1	12	23.63	23.62	23.52			
1.4	QPSK	8	0	22.69	22.65	22.53			23.7
1.4	QPSK	8	3	22.69	22.60	22.52			
1.4	QPSK	8	6	22.70	22.62	22.52			
1.4	HQAM	1	0	22.88	22.92	22.81			23.7
1.4	HQAM	1	3	22.87	22.86	22.84			
1.4	HQAM	1	6	22.92	22.87	22.84			
1.4	HQAM	8	0	21.87	21.71	21.65			22.7
1.4	HQAM	8	3	21.78	21.76	21.58			
1.4	HQAM	8	6	21.79	21.78	21.71			
1.4	HQAM	16	0	21.73	21.65	21.58			21.7
1.4	HQAM	8	0	20.70	20.59	20.51			
1.4	SSBQAM	1	0	18.66	18.61	18.56			
1.4	SSBQAM	1	3	18.70	18.62	18.44			
1.4	SSBQAM	1	6	18.71	18.67	18.55			
1.4	SSBQAM	8	0	18.72	18.63	18.54			
1.4	SSBQAM	8	3	18.73	18.66	18.54			
1.4	SSBQAM	8	6	18.76	18.64	18.50			



Band 5_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg	Time-to-Avg (ms)	
Channel				20MHz	20MHz	20MHz			
Frequency (MHz)				835	845.5	844			
10	QPSK	1	0	24.07	23.99	23.90			
10	QPSK	1	20	23.96	23.84	23.79			24.9
10	QPSK	1	40	23.85	23.72	23.62			
10	QPSK	25	0	23.11	23.03	22.94			
10	QPSK	25	10	23.08	22.91	22.81			23.9
10	QPSK	25	25	23.04	22.82	22.69			
10	QPSK	50	0	23.09	23.01	22.93			
10	HQAM	1	0	23.10	23.08	23.05			23.9
10	HQAM	1	25	23.10	23.23	23.21			
10	HQAM	1	40	23.15	23.30	23.17			
10	HQAM	25	0	22.08	22.02	21.93			
10	HQAM	25	10	22.09	22.02	21.95			22.9
10	HQAM	25	25	22.10	22.07	21.96			
10	HQAM	50	0	22.15	22.07	21.97			
10	HQAM	1	0	22.08	22.09	22.06			22.9
10	HQAM	1	25	22.06	22.14	22.06			
10	HQAM	1	40	22.12	21.98	22.14			
10	HQAM	25	0	21.10	21.02	20.93			21.9
10	HQAM	25	10	21.09	21.01	20.90			
10	HQAM	25	25	21.07	21.01	20.92			
10	HQAM	50	0	21.11	21.06	20.94			
10	SSBQAM	1	0	18.94	18.96	18.93			19.9
10	SSBQAM	1	25	18.96	18.88	18.77			
10	SSBQAM	1	40	18.93	18.85	18.79			
10	SSBQAM	25	0	19.06	19.00	18.91			19.9
10	SSBQAM	25	10	19.01	18.96	18.88			
10	SSBQAM	25	25	19.01	18.95	18.87			
10	SSBQAM	50	0	19.10	19.05	18.93			
Channel				2045	2055	2050			
Frequency (MHz)				834.5	844.5	843.5			
5	QPSK	1	0	24.02	23.93	23.77			24.9
5	QPSK	1	10	24.02	23.92	23.85			
5	QPSK	1	20	24.00	23.90	23.77			
5	QPSK	12	0	23.08	22.96	22.87			23.9
5	QPSK	12	7	23.10	22.99	22.90			
5	QPSK	12	13	23.08	22.96	22.85			
5	QPSK	25	0	23.06	22.88	22.82			
5	HQAM	1	0	23.10	23.25	23.22			23.9
5	HQAM	1	10	23.18	23.21	23.21			
5	HQAM	1	24	23.14	23.19	23.12			
5	HQAM	12	0	22.10	22.00	21.96			22.9
5	HQAM	12	7	22.10	21.99	21.98			
5	HQAM	12	13	22.12	21.95	21.96			
5	HQAM	25	0	22.06	21.96	21.86			22.9
5	HQAM	25	0	21.98	22.14	22.09			
5	HQAM	1	10	21.94	22.12	22.13			
5	HQAM	1	24	21.97	22.06	22.02			
5	HQAM	12	0	21.11	21.02	20.97			21.9
5	HQAM	12	7	21.13	21.00	20.97			
5	HQAM	12	13	21.15	20.94	20.95			
5	HQAM	25	0	21.05	20.96	20.84			
5	SSBQAM	1	0	18.92	18.94	18.86			19.9
5	SSBQAM	1	10	18.96	18.88	18.85			
5	SSBQAM	1	24	18.94	18.82	18.77			
5	SSBQAM	12	0	19.01	18.92	18.79			19.9
5	SSBQAM	12	13	19.03	18.92	18.90			
5	SSBQAM	25	0	19.03	18.94	18.84			
Channel				2045	2055	2050			
Frequency (MHz)				824.5	834.5	847.5			
3	QPSK	1	0	24.06	23.87	23.73			24.9
3	QPSK	1	8	23.94	23.80	23.69			
3	QPSK	1	14	23.99	23.86	23.72			
3	QPSK	8	0	23.03	22.95	22.78			23.9
3	QPSK	8	4	23.03	22.91	22.78			
3	QPSK	8	7	23.02	22.91	22.81			
3	QPSK	16	0	23.03	22.99	22.81			
3	HQAM	1	0	23.10	23.19	23.16			23.9
3	HQAM	1	8	22.98	23.13	23.05			
3	HQAM	1	14	23.15	23.15	23.10			
3	HQAM	8	0	22.04	21.96	21.90			22.9
3	HQAM	8	7	22.05	21.94	21.87			
3	HQAM	8	8	22.09	21.97	21.95			
3	HQAM	16	0	22.05	21.92	21.84			
3	HQAM	1	0	21.92	22.04	22.00			22.9
3	HQAM	1	8	21.91	22.02	21.89			
3	HQAM	1	14	21.97	21.95	21.95			
3	HQAM	8	0	21.03	20.94	20.86			21.9
3	HQAM	8	4	21.03	20.92	20.87			
3	HQAM	16	0	21.10	20.92	20.88			
3	HQAM	15	0	21.05	20.90	20.86			
3	SSBQAM	1	0	19.01	18.82	18.75			19.9
3	SSBQAM	1	8	18.95	18.78	18.70			
3	SSBQAM	1	14	18.97	18.82	18.72			
3	SSBQAM	8	0	19.02	18.90	18.86			19.9
3	SSBQAM	8	4	19.04	18.86	18.85			
3	SSBQAM	8	7	19.06	18.92	18.98			
3	SSBQAM	15	0	19.03	18.89	18.87			
Channel				2047.8	2057.8	2059.5			
Frequency (MHz)				824.7	835.5	848.5			
1.4	QPSK	1	0	24.04	23.87	23.73			24.9
1.4	QPSK	1	5	23.96	23.83	23.65			
1.4	QPSK	1	5	24.03	23.86	23.75			
1.4	QPSK	3	0	24.04	23.87	23.75			
1.4	QPSK	3	0	24.06	23.87	23.81			
1.4	QPSK	3	3	24.03	23.88	23.77			23.9
1.4	QPSK	6	0	23.04	22.86	22.77			
1.4	HQAM	1	0	23.02	23.10	23.14			
1.4	HQAM	1	3	22.95	23.05	22.98			23.9
1.4	HQAM	3	0	23.12	23.25	23.11			
1.4	HQAM	3	0	23.01	22.98	22.95			
1.4	HQAM	3	1	23.05	22.96	22.94			
1.4	HQAM	3	0	23.01	23.00	22.94			22.9
1.4	HQAM	6	0	22.00	21.90	21.83			
1.4	HQAM	1	0	22.05	22.08	21.99			
1.4	HQAM	1	0	22.03	21.88	21.88			22.9
1.4	HQAM	1	6	22.09	22.03	21.95			
1.4	HQAM	3	0	22.03	21.90	21.88			
1.4	HQAM	3	0	22.09	21.93	21.90			
1.4	HQAM	3	3	22.04	21.99	21.89			
1.4	HQAM	6	0	20.98	20.90	20.82			21.9
1.4	SSBQAM	1	0	18.93	18.81	18.46			
1.4	SSBQAM	1	3	18.87	18.73	18.71			
1.4	SSBQAM	1	6	18.85	18.75	18.63			
1.4	SSBQAM	3	0	19.05	18.89	18.93			19.9
1.4	SSBQAM	3	1	19.03	18.95	18.88			
1.4	SSBQAM	20	0	19.06	18.93	18.83			
1.4	SSBQAM	5	0	18.97	18.84	18.81			

Band 7_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Total (dBm)		
Channel				20660	21060	21560			
Frequency (MHz)				2490	2490	2490			
20	QPSK	1	0	22.90	23.16	23.02		24	
20	QPSK	1	49	22.86	23.02	22.96			
20	QPSK	1	99	22.91	23.03	22.97			
20	QPSK	50	0	21.98	22.09	21.87			
20	QPSK	50	24	22.22	22.18	22.11		23	
20	QPSK	50	50	22.25	22.14	22.12			
20	QPSK	100	0	22.22	22.21	22.12			
20	WQAM	1	0	22.23	22.45	22.21			
20	WQAM	1	49	22.22	22.42	22.18		23	
20	WQAM	1	99	22.34	22.37	22.24			
20	WQAM	50	0	21.19	21.28	21.05			
20	WQAM	50	24	21.29	21.30	21.13			
20	WQAM	50	50	21.41	21.34	21.11		22	
20	WQAM	100	0	21.37	21.30	21.26			
20	WQAM	1	0	21.43	21.29	21.21			
20	WQAM	1	49	21.46	21.26	21.24			
20	WQAM	1	99	21.47	21.43	21.47		21	
20	WQAM	50	0	20.36	20.30	20.23			
20	WQAM	50	24	20.41	20.34	20.28			
20	WQAM	50	50	20.41	20.34	20.33			
20	WQAM	100	0	20.38	20.31	20.26		19	
20	SSBQAM	1	0	18.46	18.47	18.46			
20	SSBQAM	1	49	18.87	18.49	18.37			
20	SSBQAM	1	99	18.54	18.36	18.40			
20	SSBQAM	50	0	18.55	18.52	18.35		19	
20	SSBQAM	50	24	18.83	18.42	18.37			
20	SSBQAM	50	50	18.58	18.35	18.29			
20	SSBQAM	100	0	18.54	18.45	18.34			
Channel				20665	21060	21575			
Frequency (MHz)				2501.5	2505	2507.5			
15	QPSK	1	0	23.05	23.04	23.11		24	
15	QPSK	1	37	22.94	23.03	23.04			
15	QPSK	74	0	22.95	22.86	22.88			
15	QPSK	36	0	21.97	21.99	21.87			
15	QPSK	36	26	21.98	22.12	22.04		23	
15	QPSK	36	36	22.02	22.13	22.07			
15	QPSK	75	0	22.85	22.17	22.12			
15	WQAM	1	0	22.17	22.26	22.10			
15	WQAM	1	37	22.21	22.30	22.19		23	
15	WQAM	1	74	22.14	22.36	22.16			
15	WQAM	36	0	21.11	21.06	20.98			
15	WQAM	36	26	21.17	21.28	21.06			
15	WQAM	36	36	21.17	21.31	21.11		22	
15	WQAM	75	0	21.16	21.31	21.20			
15	WQAM	1	0	21.26	21.34	21.19			
15	WQAM	1	37	21.23	21.32	21.26			
15	WQAM	1	74	21.21	21.42	21.30		21	
15	WQAM	36	0	20.35	20.27	20.18			
15	WQAM	36	26	20.36	20.29	20.26			
15	WQAM	36	36	20.37	20.31	20.30			
15	WQAM	75	0	20.36	20.30	20.27		19	
15	SSBQAM	1	0	18.45	18.57	18.45			
15	SSBQAM	1	37	18.58	18.51	18.38			
15	SSBQAM	1	74	18.47	18.32	18.35			
15	SSBQAM	36	0	18.46	18.44	18.29			
15	SSBQAM	36	26	18.54	18.35	18.42		19	
15	SSBQAM	36	36	18.54	18.30	18.39			
15	SSBQAM	75	0	18.53	18.44	18.44			
Channel				20660	21060	21600			
Frequency (MHz)				2505	2505	2507.5			
10	QPSK	1	0	23.10	23.15	23.15		24	
10	QPSK	1	25	22.81	22.84	22.84			
10	QPSK	1	49	22.85	23.02	22.89			
10	QPSK	25	0	21.08	22.10	21.09			
10	QPSK	25	12	21.98	22.11	22.07		23	
10	QPSK	25	25	22.07	22.13	22.09			
10	QPSK	50	0	22.08	22.16	22.15			
10	WQAM	1	0	22.11	22.34	22.18			
10	WQAM	1	25	22.11	22.34	22.19		23	
10	WQAM	1	49	22.21	22.31	22.25			
10	WQAM	25	0	21.17	21.28	21.03			
10	WQAM	25	12	21.19	21.29	21.14			
10	WQAM	25	25	21.20	21.30	21.28		22	
10	WQAM	50	0	21.22	21.31	21.30			
10	WQAM	50	1	21.25	21.35	21.32			
10	WQAM	1	25	21.33	21.37	21.34			
10	WQAM	1	49	21.42	21.37	21.42		21	
10	WQAM	25	0	20.35	20.29	20.34			
10	WQAM	25	12	20.35	20.29	20.35			
10	WQAM	25	25	20.39	20.31	20.29			
10	WQAM	50	0	20.42	20.33	20.30		19	
10	SSBQAM	1	0	18.42	18.53	18.54			
10	SSBQAM	1	25	18.58	18.39	18.39			
10	SSBQAM	1	49	18.53	18.35	18.48			
10	SSBQAM	25	0	18.69	18.43	18.33		19	
10	SSBQAM	25	12	18.67	18.35	18.36			
10	SSBQAM	25	25	18.52	18.44	18.32			
10	SSBQAM	50	0	18.45	18.35	18.29			
Channel				2507.5	2505	2507.5			
Frequency (MHz)				2507.5	2505	2507.5			
5	QPSK	1	0	23.15	23.13	23.12		24	
5	QPSK	1	49	23.01	23.03	23.03			
5	QPSK	1	24	22.90	22.97	22.92			
5	QPSK	12	0	21.34	22.06	21.89			
5	QPSK	12	1	22.05	22.06	22.04		23	
5	QPSK	12	13	22.10	22.06	22.05			
5	QPSK	25	0	22.08	22.12	22.08			
5	WQAM	1	0	22.14	22.26	22.25			
5	WQAM	1	12	22.15	22.22	22.21		23	
5	WQAM	1	24	22.19	22.28	22.14			
5	WQAM	12	0	21.11	21.21	21.01			
5	WQAM	12	7	21.15	21.28	21.06			
5	WQAM	12	13	21.13	21.25	21.10		22	
5	WQAM	25	0	21.16	21.29	21.18			
5	WQAM	1	0	21.29	21.35	21.25			
5	WQAM	1	12	21.35	21.30	21.24			
5	WQAM	1	24	21.46	21.37	21.34		21	
5	WQAM	12	0	20.31	20.28	20.21			
5	WQAM	12	7	20.33	20.28	20.24			
5	WQAM	12	13	20.34	20.28	20.27			
5	WQAM	25	0	20.37	20.29	20.23		19	
5	SSBQAM	1	0	18.46	18.58	18.58			
5	SSBQAM	1	12	18.73	18.49	18.35			
5	SSBQAM	1	24	18.54	18.41	18.31			
5	SSBQAM	12	0	18.52	18.46	18.35		19	
5	SSBQAM	12	7	18.64	18.41	18.31			
5	SSBQAM	12	13	18.55	18.38	18.30			
5	SSBQAM	25	0	18.47	18.42	18.25			

Band 12_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Power Peak Ch. / Freq	Time-to-Start (ms)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.18	24.10	24.08			
10	QPSK	1	20	24.08	24.08	23.97			24.9
10	QPSK	1	40	24.17	24.09	24.07			
10	QPSK	25	0	23.23	23.17	23.12			
10	QPSK	25	10	23.21	23.18	23.13			23.9
10	QPSK	25	20	23.24	23.20	23.18			
10	QPSK	50	0	23.24	23.18	23.17			
10	HQDM	1	0	23.24	23.38	23.47			
10	HQDM	1	20	23.40	23.39	23.44			23.9
10	HQDM	1	40	23.58	23.41	23.29			
10	HQDM	25	0	22.19	22.18	22.15			
10	HQDM	25	10	22.21	22.19	22.12			22.9
10	HQDM	25	20	22.24	22.21	22.15			
10	HQDM	50	0	22.19	22.18	22.17			
10	HQDM	1	0	22.28	22.28	22.31			
10	HQDM	1	20	22.26	22.31	22.31			22.9
10	HQDM	1	40	22.53	22.38	22.20			
10	HQDM	25	0	21.19	21.16	21.15			
10	HQDM	25	10	21.21	21.17	21.12			21.9
10	HQDM	25	20	21.22	21.21	21.18			
10	HQDM	50	0	21.17	21.19	21.15			
10	SSBGM	1	0	19.11	19.84	19.03			
10	SSBGM	1	20	18.95	18.89	18.90			19.9
10	SSBGM	1	40	18.95	18.91	18.82			
10	SSBGM	25	0	19.14	19.10	19.08			
10	SSBGM	25	10	19.10	19.07	19.05			19.9
10	SSBGM	25	20	19.08	19.06	19.09			
10	SSBGM	50	0	19.10	19.08	19.06			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.10	24.08	23.98			
5	QPSK	1	10	24.16	24.10	24.00			24.9
5	QPSK	1	20	24.13	24.00	23.90			
5	QPSK	12	0	23.18	23.11	23.05			
5	QPSK	12	7	23.20	23.18	23.08			23.9
5	QPSK	12	13	23.17	23.15	23.08			
5	QPSK	25	0	23.22	23.13	23.08			
5	HQDM	1	0	23.08	23.33	23.20			23.9
5	HQDM	1	10	23.04	23.44	23.25			
5	HQDM	1	20	23.09	23.45	23.15			
5	HQDM	12	0	22.17	22.19	22.12			
5	HQDM	12	7	22.17	22.23	22.09			22.9
5	HQDM	12	13	22.18	22.22	22.09			
5	HQDM	25	0	22.16	22.16	22.07			
5	HQDM	25	0	22.04	22.27	22.23			22.9
5	HQDM	1	10	22.11	22.35	22.17			
5	HQDM	1	20	22.05	22.40	22.15			
5	HQDM	12	0	21.14	21.15	21.08			
5	HQDM	12	7	21.13	21.20	21.05			21.9
5	HQDM	12	13	21.16	21.23	21.00			
5	HQDM	25	0	21.17	21.14	21.05			
5	SSBGM	1	0	18.92	19.02	18.89			19.9
5	SSBGM	1	10	18.95	19.00	18.94			
5	SSBGM	1	20	18.93	19.06	18.77			
5	SSBGM	12	0	19.12	19.06	18.70			
5	SSBGM	12	13	19.05	19.04	19.05			19.9
5	SSBGM	12	13	19.04	19.11	18.89			
5	SSBGM	25	0	19.14	19.06	19.08			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.10	24.08	23.98			
3	QPSK	1	8	24.05	24.00	23.89			24.9
3	QPSK	1	14	24.10	24.08	23.93			
3	QPSK	8	0	23.15	23.07	22.99			
3	QPSK	8	4	23.16	23.08	22.98			23.9
3	QPSK	8	7	23.13	23.12	22.99			
3	QPSK	18	0	23.15	23.07	22.99			
3	HQDM	1	0	23.08	23.34	23.25			23.9
3	HQDM	1	8	23.08	23.28	23.10			
3	HQDM	14	0	23.02	23.36	23.16			
3	HQDM	8	0	22.11	22.13	22.06			22.9
3	HQDM	8	7	22.13	22.19	22.05			
3	HQDM	8	8	22.15	22.21	22.07			
3	HQDM	18	0	22.12	22.14	22.03			
3	HQDM	1	0	22.07	22.24	22.11			22.9
3	HQDM	1	8	21.94	22.25	22.02			
3	HQDM	1	14	22.08	22.20	22.08			
3	HQDM	8	0	21.10	21.12	21.01			21.9
3	HQDM	8	4	21.10	21.14	21.01			
3	HQDM	18	7	21.10	21.14	21.05			
3	HQDM	18	0	21.12	21.15	21.00			
3	SSBGM	1	0	19.00	19.93	18.87			19.9
3	SSBGM	1	8	18.95	19.00	18.70			
3	SSBGM	1	14	18.98	19.05	18.77			
3	SSBGM	8	0	19.03	19.02	18.91			
3	SSBGM	8	4	19.05	19.04	18.96			19.9
3	SSBGM	8	7	19.03	19.05	18.96			
3	SSBGM	18	0	19.03	19.02	18.90			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.13	24.04	23.94			
1.4	QPSK	1	5	24.11	24.02	23.90			24.9
1.4	QPSK	1	5	24.17	24.06	23.97			
1.4	QPSK	3	0	24.16	24.07	23.98			
1.4	QPSK	3	0	24.17	24.10	23.92			
1.4	QPSK	3	3	24.16	24.06	23.97			23.9
1.4	QPSK	6	0	23.17	23.08	22.97			
1.4	HQDM	1	0	23.42	23.35	23.24			
1.4	HQDM	1	3	23.33	23.31	23.06			23.9
1.4	HQDM	1	0	23.41	23.36	23.18			
1.4	HQDM	3	0	23.23	23.21	23.09			
1.4	HQDM	3	1	23.28	23.23	23.09			
1.4	HQDM	3	0	23.21	23.23	23.05			22.9
1.4	HQDM	6	0	22.21	22.18	22.08			
1.4	HQDM	1	0	22.32	22.34	22.14			
1.4	HQDM	1	6	22.29	22.16	22.00			22.9
1.4	HQDM	1	6	22.32	22.34	22.13			
1.4	HQDM	3	0	22.28	22.23	22.08			
1.4	HQDM	3	0	22.33	22.33	22.16			
1.4	HQDM	3	3	22.27	22.23	22.10			21.9
1.4	HQDM	6	0	21.18	21.12	20.99			
1.4	SSBGM	1	3	18.96	19.92	18.87			
1.4	SSBGM	1	6	18.93	19.92	18.74			19.9
1.4	SSBGM	3	0	19.07	19.04	18.94			
1.4	SSBGM	3	1	19.05	19.02	18.87			
1.4	SSBGM	20	0	19.08	19.02	18.83			
1.4	SSBGM	6	0	19.10	19.01	18.83			18.9



Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Time-to-Avg (dBm)
Channel				232M			Time-to-Avg (dBm)
Frequency (MHz)				780			
10	QPSK	1	0	24.02			24.9
10	QPSK	1	25	23.96			
10	QPSK	1	49	24.01			
10	QPSK	25	0	23.11			23.9
10	QPSK	25	12	23.08			
10	QPSK	25	25	23.10			
10	HQAM	1	0	23.32			23.9
10	HQAM	1	25	23.32			
10	HQAM	1	49	23.32			
10	HQAM	25	0	22.18			22.9
10	HQAM	25	12	22.14			
10	HQAM	25	25	22.14			
10	HQAM	50	0	22.18			22.9
10	HQAM	1	0	22.25			
10	HQAM	1	25	22.25			
10	HQAM	1	49	22.28			22.9
10	HQAM	25	12	21.08			
10	HQAM	25	25	21.09			
10	HQAM	50	0	21.14			21.9
10	256QAM	1	0	18.91			
10	256QAM	1	25	18.84			
10	256QAM	1	49	18.87			19.9
10	256QAM	25	12	19.08			
10	256QAM	25	25	19.05			
10	256QAM	50	0	19.12			Time-to-Avg (dBm)
Channel				232M	232M	232M	
Frequency (MHz)				778.5	782	785.5	
5	QPSK	1	0	23.98	24.01	23.94	24.9
5	QPSK	1	12	23.94	24.00	23.98	
5	QPSK	1	24	24.00	23.96	23.92	
5	QPSK	12	0	23.08	23.07	23.04	23.9
5	QPSK	12	7	23.10	23.09	23.05	
5	QPSK	12	13	23.08	23.07	23.03	
5	QPSK	25	0	23.13	23.07	23.02	23.9
5	HQAM	1	0	23.01	23.34	23.26	
5	HQAM	1	12	23.05	23.39	23.30	
5	HQAM	1	24	23.09	23.27	23.25	22.9
5	HQAM	12	0	22.03	22.06	22.04	
5	HQAM	12	7	22.06	22.06	22.07	
5	HQAM	12	13	22.07	22.05	22.05	22.9
5	HQAM	25	0	22.11	22.07	22.02	
5	HQAM	25	0	21.99	22.21	22.19	
5	HQAM	1	12	21.98	22.25	22.14	21.9
5	HQAM	1	24	21.06	22.17	22.17	
5	HQAM	12	0	21.02	21.05	21.04	
5	HQAM	12	7	21.06	21.07	21.00	19.9
5	HQAM	12	13	21.09	21.02	21.02	
5	HQAM	25	0	21.10	21.05	21.01	
5	256QAM	1	0	18.91	18.90	18.94	19.9
5	256QAM	1	12	18.89	18.88	18.85	
5	256QAM	1	24	18.94	18.94	18.92	
5	256QAM	12	0	19.02	19.00	19.07	19.9
5	256QAM	12	13	19.05	18.97	18.98	
5	256QAM	25	0	19.08	19.03	19.02	



Band 14_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Time-to-End (dBm)		
Channel				23.00					
Frequency (MHz)				78.5					
10	QPSK	1	0	24.08			24.9		
10	QPSK	1	25	23.87					
10	QPSK	1	49	23.09					
10	QPSK	25	0	23.11			23.9		
10	QPSK	25	10	23.10					
10	QPSK	25	25	23.10					
10	QPSK	50	0	23.12			23.9		
10	HQAM	1	0	23.21					
10	HQAM	1	25	23.20					
10	HQAM	1	49	23.24			22.9		
10	HQAM	25	0	22.11					
10	HQAM	25	10	22.02					
10	HQAM	25	25	22.04			22.9		
10	HQAM	50	0	22.00					
10	HQAM	1	0	22.10			22.9		
10	HQAM	1	25	22.06					
10	HQAM	1	49	22.23					
10	HQAM	25	0	21.08			21.9		
10	HQAM	25	10	21.05					
10	HQAM	25	25	21.03					
10	HQAM	50	0	21.04			19.9		
10	256QAM	1	0	19.02					
10	256QAM	1	25	18.88					
10	256QAM	1	49	18.92			19.9		
10	256QAM	25	0	18.97					
10	256QAM	25	10	19.05					
10	256QAM	25	25	19.00			19.9		
10	256QAM	50	0	19.11					
Channel				23.05	23.00	23.05	Time-to-End (dBm)		
Frequency (MHz)				78.5	78.5	78.5			
5	QPSK	1	0	23.08	23.05	23.02	24.9		
5	QPSK	1	10	24.03	24.01	23.95			
5	QPSK	1	24	23.97	23.96	23.91			
5	QPSK	12	0	23.03	23.01	22.99	23.9		
5	QPSK	12	7	23.03	23.00	23.00			
5	QPSK	12	13	23.03	23.01	22.97			
5	QPSK	25	0	23.06	23.04	23.02	23.9		
5	HQAM	1	0	23.30	23.23	23.22			
5	HQAM	1	10	23.25	23.20	23.17			
5	HQAM	1	24	23.22	23.22	23.18	22.9		
5	HQAM	12	0	22.05	22.01	22.00			
5	HQAM	12	7	22.05	22.08	22.01			
5	HQAM	12	13	22.03	22.03	22.01	22.9		
5	HQAM	25	0	22.04	22.02	22.00			
5	HQAM	25	0	22.08	22.20	22.08			
5	HQAM	1	10	22.27	22.18	22.12	21.9		
5	HQAM	12	0	20.99	21.00	20.98			
5	HQAM	12	7	21.00	20.98	20.94			
5	HQAM	12	13	20.98	20.98	20.97	19.9		
5	HQAM	25	0	21.02	21.00	20.98			
5	256QAM	1	0	18.93	18.91	18.91			
5	256QAM	1	10	18.95	18.95	18.93	19.9		
5	256QAM	1	24	18.89	18.91	18.94			
5	256QAM	12	0	18.95	18.96	18.97	19.9		
5	256QAM	12	13	18.99	18.94	18.93			
5	256QAM	25	0	19.08	19.02	19.05			

Band 17_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mid Ch. F (MHz)	Power High Ch. F (MHz)	Power Avg (dBm)	Time-to-Start (ms)	
Channel				23761	23761	23801			
Frequency (MHz)				769	769	771			
10	QPSK	1	0	24.18	24.20	24.14			
10	QPSK	1	20	24.07	24.03	24.02			24.9
10	QPSK	1	49	24.17	24.17	24.13			
10	QPSK	25	0	23.22	23.21	23.22			
10	QPSK	25	10	23.22	23.20	23.22			23.9
10	QPSK	25	25	23.24	23.26	23.27			
10	QPSK	50	0	23.25	23.24	23.24			
10	HQDM	1	0	23.21	23.47	23.38			23.9
10	HQDM	1	25	23.24	23.48	23.47			
10	HQDM	1	49	23.30	23.32	23.36			
10	HQDM	25	0	22.20	22.21	22.20			22.9
10	HQDM	25	12	22.22	22.22	22.18			
10	HQDM	25	22	22.25	22.24	22.23			
10	HQDM	50	0	22.26	22.27	22.25			
10	HQDM	1	0	22.08	22.39	22.25			22.9
10	HQDM	1	25	22.26	22.36	22.36			
10	HQDM	1	49	22.17	22.38	22.21			
10	HQDM	25	0	21.17	21.29	21.22			21.9
10	HQDM	25	10	21.21	21.15	21.20			
10	HQDM	25	25	21.22	21.22	21.22			
10	HQDM	50	0	21.26	21.26	21.25			
10	SSBQAM	1	0	19.10	19.11	19.10			19.9
10	SSBQAM	1	25	19.05	19.04	19.13			
10	SSBQAM	1	49	18.98	18.96	18.99			
10	SSBQAM	25	0	19.18	19.20	19.15			19.9
10	SSBQAM	25	12	19.16	19.16	19.14			
10	SSBQAM	25	22	19.12	19.12	19.08			
10	SSBQAM	50	0	19.18	19.17	19.15			
Channel				23755	23791	23805			
Frequency (MHz)				764.5	767	773.5			
5	QPSK	1	0	24.18	24.12	24.08			
5	QPSK	1	12	24.17	24.19	24.14			24.9
5	QPSK	1	24	24.18	24.14	24.07			
5	QPSK	12	0	23.23	23.18	23.15			
5	QPSK	12	7	23.23	23.20	23.14			23.9
5	QPSK	12	15	23.24	23.19	23.14			
5	QPSK	25	0	23.24	23.20	23.17			
5	HQDM	1	0	23.18	23.49	23.39			23.9
5	HQDM	1	12	23.19	23.48	23.34			
5	HQDM	1	24	23.20	23.36	23.25			
5	HQDM	12	0	22.17	22.25	22.15			22.9
5	HQDM	12	7	22.22	22.22	22.18			
5	HQDM	12	15	22.25	22.25	22.15			
5	HQDM	25	0	22.26	22.21	22.16			
5	HQDM	25	0	22.08	22.31	22.36			22.9
5	HQDM	1	12	22.04	22.22	22.28			
5	HQDM	1	24	22.12	22.32	22.16			
5	HQDM	12	0	21.18	21.28	21.15			21.9
5	HQDM	12	7	21.22	21.26	21.12			
5	HQDM	12	15	21.27	21.25	21.13			
5	HQDM	25	0	21.21	21.20	21.14			
5	SSBQAM	1	0	19.04	19.28	19.23			19.9
5	SSBQAM	1	12	19.17	19.27	19.17			
5	SSBQAM	12	15	19.20	19.23	19.14			
5	SSBQAM	12	15	19.25	19.22	19.07			19.9
5	SSBQAM	25	0	19.21	19.17	19.15			

Band 25_Ant 0											
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time-to- live (s)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.75	23.74	23.84				24.7	
20	QPSK	1	49	23.86	23.72	23.72					
20	QPSK	1	99	23.74	23.87	23.82					
20	QPSK	50	0	22.90	22.87	22.86					
20	QPSK	50	24	22.90	22.83	22.85				23.7	
20	QPSK	100	0	22.88	22.85	22.85					
20	HQAM	1	0	22.99	23.05	22.89					
20	HQAM	1	49	23.02	22.97	22.99					
20	HQAM	50	0	21.92	21.86	21.83				22.7	
20	HQAM	50	24	21.93	21.86	21.87					
20	HQAM	100	0	21.90	21.81	21.82					
20	HQAM	1	49	21.96	21.81	21.81					
20	HQAM	1	99	21.90	21.78	21.83				19.7	
20	HQAM	50	0	20.93	20.85	20.85					
20	HQAM	50	24	20.95	20.88	20.85					
20	HQAM	50	50	20.90	20.83	20.85					
20	HQAM	100	0	20.89	20.82	20.82					
20	SSBQAM	1	0	18.88	18.85	18.75				19.7	
20	SSBQAM	1	49	18.88	18.79	18.81					
20	SSBQAM	1	99	18.94	18.75	18.73					
20	SSBQAM	50	0	18.92	18.84	18.84					
20	SSBQAM	50	24	18.99	18.79	18.84					
20	SSBQAM	50	50	18.95	18.85	18.83				19.7	
20	SSBQAM	100	0	18.97	18.88	18.79					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.85	23.80	23.76					24.7
15	QPSK	1	37	23.78	23.69	23.71					
15	QPSK	1	74	23.81	23.73	23.85					
15	QPSK	36	0	22.98	22.86	22.85					
15	QPSK	36	26	22.98	22.86	22.86				23.7	
15	QPSK	36	36	22.95	22.85	22.84					
15	QPSK	76	0	22.87	22.87	22.85					
15	HQAM	1	0	23.10	23.11	23.05					
15	HQAM	1	37	23.08	23.02	23.12				23.7	
15	HQAM	1	74	23.07	22.91	22.88					
15	HQAM	36	0	21.95	21.85	21.85					
15	HQAM	36	26	21.95	21.84	21.86					
15	HQAM	36	36	21.92	21.84	21.85				22.7	
15	HQAM	76	0	21.93	21.84	21.82					
15	HQAM	1	0	21.97	21.94	21.98					
15	HQAM	1	37	21.91	21.89	21.90					
15	HQAM	1	74	21.95	21.83	21.81				21.7	
15	HQAM	36	0	20.94	20.85	20.85					
15	HQAM	36	26	20.93	20.84	20.84					
15	HQAM	36	36	20.94	20.82	20.85					
15	HQAM	76	0	20.93	20.84	20.83				19.7	
15	SSBQAM	1	0	18.92	18.85	18.77					
15	SSBQAM	1	25	18.96	18.79	18.76					
15	SSBQAM	1	49	18.97	18.77	18.73					
15	SSBQAM	26	0	19.01	18.89	18.94					
15	SSBQAM	26	12	19.08	18.86	18.86				19.7	
15	SSBQAM	26	26	19.08	18.85	18.83					
15	SSBQAM	50	0	18.87	18.91	18.79					
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.78	23.75	23.67				24.7	
10	QPSK	1	12	23.77	23.74	23.67					
10	QPSK	1	24	23.86	23.72	23.65					
10	QPSK	12	0	22.87	22.79	22.78					
10	QPSK	12	7	22.88	22.78	22.77				23.7	
10	QPSK	12	13	22.88	22.79	22.75					
5	QPSK	25	0	22.89	22.80	22.76					
5	HQAM	1	0	23.03	23.02	23.00					
5	HQAM	1	12	22.97	22.97	22.94				23.7	
5	HQAM	1	24	23.03	23.00	22.91					
5	HQAM	12	0	21.93	21.84	21.79					
5	HQAM	12	7	21.94	21.82	21.80					
5	HQAM	12	13	21.91	21.81	21.77				22.7	
5	HQAM	25	0	22.01	21.93	21.87					
5	HQAM	1	0	22.01	21.89	21.87					
5	HQAM	1	24	22.01	21.89	21.84					
5	HQAM	12	0	20.90	20.79	20.73				21.7	
5	HQAM	12	7	20.89	20.79	20.77					
5	HQAM	12	13	20.91	20.79	20.76					
5	HQAM	25	0	20.96	20.79	20.74					
5	SSBQAM	1	0	18.97	18.92	18.76				19.7	
5	SSBQAM	1	12	18.92	18.76	18.73					
5	SSBQAM	1	24	18.98	18.67	18.75					
5	SSBQAM	12	0	18.89	18.84	18.99					
5	SSBQAM	12	7	19.03	18.84	18.90				19.7	
5	SSBQAM	12	13	19.02	18.80	18.83					
5	SSBQAM	25	0	18.89	18.95	18.86					
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.86	23.75	23.68				24.7	
3	QPSK	1	8	23.81	23.72	23.61					
3	QPSK	14	0	23.86	23.75	23.65					
3	QPSK	8	0	22.89	22.80	22.73					
3	QPSK	8	4	22.91	22.76	22.71				23.7	
3	QPSK	8	7	22.94	22.82	22.75					
3	QPSK	16	0	22.92	22.79	22.75					
3	HQAM	1	0	23.17	23.05	22.97					
3	HQAM	1	8	23.04	22.95	22.91				23.7	
3	HQAM	1	14	23.07	22.96	22.95					
3	HQAM	8	0	21.96	21.82	21.75					
3	HQAM	8	4	21.95	21.83	21.73					
3	HQAM	8	7	22.02	21.84	21.74				22.7	
3	HQAM	16	0	21.04	21.81	21.77					
3	HQAM	1	0	22.00	21.87	21.84					
3	HQAM	1	8	22.00	21.80	21.75				19.7	
3	HQAM	1	14	22.07	21.88	21.81					
3	HQAM	8	0	20.92	20.81	20.76					
3	HQAM	8	4	20.92	20.82	20.77					
3	HQAM	16	0	20.97	20.79	20.73					
3	SSBQAM	1	0	18.83	18.83	18.71				19.7	
3	SSBQAM	8	0	18.96	18.80	18.71					
3	SSBQAM	8	4	18.94	18.73	18.77					
3	SSBQAM	8	7	18.91	18.76	18.67					
3	SSBQAM	16	0	18.93	18.79	18.78					
3	SSBQAM	16	8	19.08	18.78	18.68				19.7	
3	SSBQAM	16	14	19.03	18.66	18.65					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.80	23.71	23.61					24.7
1.4	QPSK	1	3	23.77	23.67	23.57					
1.4	QPSK	3	0	23.82	23.72	23.62					
1.4	QPSK	3	3	23.82	23.74	23.63					
1.4	QPSK	3	6	23.79	23.69	23.59				23.7	
1.4	QPSK	3	9	23.82	23.72	23.62					
1.4	QPSK	6	0	22.88	22.80	22.86					
1.4	HQAM	1	0	22.94	23.00	22.86					
1.4	HQAM	1	6	22.97	22.90	22.86				23.7	
1.4	HQAM	1	12	22.88	22.80	22.77					
1.4	HQAM	3	0	22.94	22.84	22.84					
1.4	HQAM	3	3	22.91	22.82	22.78					
1.4	HQAM	3	6	22.98	22.84	22.74				22.7	
1.4	HQAM	1	0	21.77	22.00	21.83					
1.4	HQAM	3	3	21.86	21.94	21.81					
1.4	HQAM	3	6	21.85	21.86	21.78					
1.4	HQAM	3	9	21.82	21.77	21.78				21.7	
1.4	HQAM	6	0	20.90	20.89	20.85					
1.4	SSBQAM	1	0	18.94	18.81	18.76					
1.4	SSBQAM	1	3	18.93	18.84	18.73					
1.4	SSBQAM	3	0	18.91	18.76	18.67				19.7	
1.4	SSBQAM	3	3	18.93	18.78	18.67					
1.4	SSBQAM	3	6	18.98	18.78	18.68					
1.4	SSBQAM	3	9	18.98	18.78	18.68					

Band 26_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq	Power Max. Ch./F.Freq	Power Avg. Ch./F.Freq	Power Min. Ch./F.Freq	Power Max. Ch./F.Freq	Power Avg. Ch./F.Freq
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.16	23.99	23.90			
15	QPSK	1	37	24.05	23.96	23.76			
15	QPSK	1	74	24.12	23.98	23.82			
15	QPSK	36	0	23.17	23.08	22.94			
15	QPSK	36	20	23.17	23.04	22.93			
15	QPSK	36	39	23.18	23.07	22.95			
15	QPSK	75	0	23.13	22.99	22.93			
15	HQDM	1	0	23.58	23.32	23.24			
15	HQDM	1	37	23.46	23.38	23.16			
15	HQDM	1	74	23.58	23.33	23.15			
15	HQDM	36	0	22.18	22.08	21.93			
15	HQDM	36	20	22.17	22.11	21.91			
15	HQDM	36	39	22.26	22.08	21.91			
15	HQDM	75	0	22.13	21.99	21.90			
15	HQDM	1	0	22.29	22.21	22.23			
15	HQDM	1	37	22.31	22.21	22.06			
15	HQDM	1	74	22.33	22.19	21.99			
15	HQDM	36	0	21.22	21.09	20.93			
15	HQDM	36	20	21.17	21.10	20.92			
15	HQDM	36	39	21.20	21.10	20.94			
15	HQDM	75	0	21.13	20.99	20.89			
15	SSBGM	1	0	19.31	19.12	19.10			
15	SSBGM	1	37	19.16	19.17	19.05			
15	SSBGM	1	74	19.21	19.11	19.08			
15	SSBGM	36	0	19.19	19.09	19.07			
15	SSBGM	36	20	19.14	19.11	19.02			
15	SSBGM	36	39	19.12	19.05	19.04			
15	SSBGM	75	0	19.13	19.04	19.01			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.09	23.96	23.83			
15	QPSK	1	36	23.91	23.80	23.67			
15	QPSK	1	49	24.05	23.96	23.76			
15	QPSK	25	0	23.13	23.00	22.89			
15	QPSK	25	12	23.13	22.97	22.88			
15	QPSK	25	25	23.15	22.95	22.88			
15	QPSK	50	0	23.18	22.88	22.88			
15	HQDM	1	0	23.13	23.30	23.16			
15	HQDM	1	26	23.12	23.32	23.05			
15	HQDM	1	49	23.13	23.30	23.04			
15	HQDM	25	0	22.14	21.98	21.87			
15	HQDM	25	12	22.15	21.98	21.84			
15	HQDM	25	25	22.10	22.00	21.85			
15	HQDM	50	0	22.17	22.05	21.85			
15	HQDM	1	0	22.10	22.21	21.99			
15	HQDM	1	25	22.09	22.20	21.89			
15	HQDM	1	49	22.05	22.26	22.04			
15	HQDM	25	0	21.14	21.60	20.88			
15	HQDM	25	12	21.09	21.60	20.84			
15	HQDM	25	25	21.12	20.88	20.87			
15	HQDM	50	0	21.17	21.85	20.87			
15	SSBGM	1	0	19.02	19.05	19.08			
15	SSBGM	25	0	19.10	19.11	19.06			
15	SSBGM	1	49	19.13	19.09	19.08			
15	SSBGM	25	0	19.17	19.05	19.04			
15	SSBGM	25	12	19.14	19.01	19.06			
15	SSBGM	25	25	19.12	19.00	19.09			
15	SSBGM	50	0	19.21	19.03	19.09			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.11	23.93	23.76			
5	QPSK	1	12	24.15	23.99	23.78			
5	QPSK	1	24	24.10	23.94	23.73			
5	QPSK	14	0	23.18	22.99	22.84			
5	QPSK	14	7	23.17	22.98	22.84			
5	QPSK	14	14	23.15	23.01	22.81			
5	QPSK	24	0	23.17	22.98	22.80			
5	HQDM	1	0	23.14	23.26	23.13			
5	HQDM	1	12	23.28	23.30	23.14			
5	HQDM	1	24	23.19	23.27	23.07			
5	HQDM	14	0	22.15	22.05	21.94			
5	HQDM	14	7	22.16	22.06	21.91			
5	HQDM	14	14	22.19	22.05	21.89			
5	HQDM	24	0	22.15	21.99	21.83			
5	HQDM	1	0	22.15	22.21	21.90			
5	HQDM	1	12	22.14	22.11	22.08			
5	HQDM	1	24	22.08	22.24	22.07			
5	HQDM	14	0	21.17	20.99	20.91			
5	HQDM	14	7	21.18	21.84	20.81			
5	HQDM	14	14	21.17	21.07	20.87			
5	HQDM	24	0	21.15	21.00	20.81			
5	SSBGM	1	0	19.28	19.07	19.07			
5	SSBGM	1	12	19.29	19.09	19.07			
5	SSBGM	1	24	19.29	19.11	19.06			
5	SSBGM	14	0	19.21	19.09	19.07			
5	SSBGM	14	7	19.23	19.06	19.05			
5	SSBGM	14	14	19.21	19.07	19.09			
5	SSBGM	24	0	19.19	19.02	19.07			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.12	23.90	23.74			
3	QPSK	1	4	24.04	23.96	23.67			
3	QPSK	1	14	24.08	23.91	23.71			
3	QPSK	8	0	23.13	22.95	22.79			
3	QPSK	8	4	23.14	22.95	22.78			
3	QPSK	8	7	23.16	22.97	22.77			
3	QPSK	15	0	23.11	22.94	22.78			
3	HQDM	1	0	23.19	23.22	23.14			
3	HQDM	1	8	23.11	23.20	23.01			
3	HQDM	1	14	23.15	23.19	23.07			
3	HQDM	8	0	22.11	22.05	21.87			
3	HQDM	8	4	22.15	22.04	21.88			
3	HQDM	8	7	22.17	22.06	21.91			
3	HQDM	15	0	22.14	21.99	21.81			
3	HQDM	1	0	21.98	22.16	21.93			
3	HQDM	1	8	22.05	22.11	21.90			
3	HQDM	1	14	22.08	22.19	21.90			
3	HQDM	8	0	21.87	21.05	20.90			
3	HQDM	8	4	21.14	21.02	20.88			
3	HQDM	8	7	21.13	21.09	20.88			
3	HQDM	15	0	21.15	21.01	20.82			
3	SSBGM	1	0	19.16	19.11	19.06			
3	SSBGM	1	8	19.18	19.07	19.05			
3	SSBGM	1	14	19.23	19.11	19.08			
3	SSBGM	8	0	19.14	19.04	19.04			
3	SSBGM	8	4	19.19	19.06	19.07			
3	SSBGM	8	7	19.21	19.07	19.06			
3	SSBGM	15	0	19.15	19.03	19.05			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.10	23.90	23.72			
1.4	QPSK	1	3	24.05	23.88	23.67			
1.4	QPSK	1	6	24.12	23.95	23.72			
1.4	QPSK	3	0	24.13	23.97	23.79			
1.4	QPSK	3	1	24.15	23.96	23.83			
1.4	QPSK	3	4	24.12	23.94	23.72			
1.4	QPSK	6	0	23.14	22.93	22.73			
1.4	HQDM	1	0	23.39	23.22	23.09			
1.4	HQDM	1	3	23.38	23.17	22.95			
1.4	HQDM	1	6	23.46	23.30	23.04			
1.4	HQDM	3	0	23.28	23.07	22.90			
1.4	HQDM	3	3	23.28	23.09	22.96			
1.4	HQDM	3	6	23.25	23.01	22.85			
1.4	HQDM	6	0	22.24	22.05	21.81			
1.4	HQDM	1	0	22.29	22.19	21.98			
1.4	HQDM	1	3	22.21	22.07	21.81			
1.4	HQDM	1	6	22.31	22.18	21.93			
1.4	HQDM	3	0	22.28	22.12	21.79			
1.4	HQDM	3	1	22.28	22.15	21.81			
1.4	HQDM	3	4	22.27	22.07	21.87			
1.4	HQDM	6	0	21.15	21.01	20.78			
1.4	SSBGM	1	0	19.16	19.03	19.04			
1.4	SSBGM	1	3	19.12	19.08	19.76			
1.4	SSBGM	1	6	19.19	19.06	19.83			
1.4	SSBGM	3	0	19.20	19.05	19.84			
1.4	SSBGM	3	3	19.24	19.04	19.89			
1.4	SSBGM	3	6	19.25	19.09	19.82			
1.4	SSBGM	6	0	19.16	19.04	19.81			



Band 30_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Time-to-Air (sec)
Channel				27760			
Frequency (MHz)				2410			
10	QPSK	1	0	23.72			24.4
10	QPSK	1	25	23.52			
10	QPSK	1	49	23.52			
10	QPSK	25	0	22.75			23.4
10	QPSK	25	10	22.75			
10	QPSK	25	25	22.75			
10	QPSK	50	0	22.77			23.4
10	WQAM	1	0	23.53			
10	WQAM	1	25	22.84			
10	WQAM	1	49	22.83			22.4
10	WQAM	25	0	21.79			
10	WQAM	25	12	21.77			
10	WQAM	25	25	21.74			22.4
10	WQAM	50	0	21.78			
10	WQAM	1	0	21.90			
10	WQAM	1	25	21.76			21.4
10	WQAM	1	49	21.76			
10	WQAM	25	0	20.89			
10	WQAM	25	10	20.78			19.4
10	WQAM	25	25	20.77			
10	WQAM	50	0	20.80			
10	WQAM	1	0	19.05			19.4
10	WQAM	1	25	19.11			
10	WQAM	1	49	19.04			
10	WQAM	25	0	18.94			19.4
10	WQAM	25	12	18.97			
10	WQAM	25	25	18.95			
10	WQAM	50	0	18.98			
Channel				27685	27710	27735	Time-to-Air (sec)
Frequency (MHz)				2613.5	2610	2613.5	
5	QPSK	1	0	23.58	23.57	23.47	24.4
5	QPSK	1	12	23.34	23.31	23.31	
5	QPSK	1	24	23.32	23.31	23.30	
5	QPSK	12	0	22.37	22.38	22.37	23.4
5	QPSK	12	7	22.43	22.38	22.38	
5	QPSK	12	13	22.41	22.35	22.34	
5	QPSK	25	0	22.46	22.43	22.37	23.4
5	WQAM	1	0	22.75	22.68	22.72	
5	WQAM	1	12	22.68	22.61	22.61	
5	WQAM	1	24	22.63	22.57	22.58	22.4
5	WQAM	12	0	21.58	21.57	21.42	
5	WQAM	12	7	21.68	21.60	21.59	
5	WQAM	12	13	21.77	21.63	21.54	22.4
5	WQAM	25	0	21.81	21.72	21.58	
5	WQAM	25	0	21.89	21.88	21.70	
5	WQAM	1	12	21.89	21.85	21.74	21.4
5	WQAM	12	7	20.77	20.73	20.71	
5	WQAM	12	13	20.74	20.74	20.71	
5	WQAM	25	0	20.80	20.80	20.77	19.4
5	WQAM	1	0	18.92	18.92	18.92	
5	WQAM	1	12	18.96	18.94	18.96	
5	WQAM	12	0	18.96	18.96	18.96	19.4
5	WQAM	12	13	18.95	18.94	18.95	
5	WQAM	25	0	18.97	18.95	18.95	

Band 66_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Low Power Ch / Freq	Main Power Ch / Freq	High Power Ch / Freq	Avg Power Ch / Freq	Peak Power Ch / Freq	Time-slot (ms)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.70	17.74	17.75			24.7	
20	QPSK	1	49	23.84	23.86	23.85				
20	QPSK	1	99	23.70	23.58	23.52				
20	QPSK	50	24	22.80	22.82	22.81				
20	QPSK	50	50	22.86	22.75	22.68			23.7	
20	QPSK	100	0	22.83	22.76	22.70				
20	HQAM	1	0	22.85	22.88	22.85				
20	HQAM	1	49	23.02	22.95	22.79				
20	HQAM	50	0	21.85	21.81	21.69			22.7	
20	HQAM	50	24	21.89	21.83	21.72				
20	HQAM	100	0	21.84	21.75	21.64				
20	HQAM	1	0	21.85	21.78	21.72				
20	HQAM	1	49	21.91	21.86	21.81			22.7	
20	HQAM	1	99	21.93	21.81	21.55				
20	HQAM	50	0	20.88	20.77	20.68				
20	HQAM	50	24	20.90	20.81	20.70				
20	HQAM	50	50	20.88	20.77	20.68			21.7	
20	SSBQAM	1	0	18.69	18.69	18.69				
20	SSBQAM	1	49	18.56	18.60	18.57				
20	SSBQAM	1	99	18.57	18.70	18.82				
20	SSBQAM	50	0	18.78	18.75	18.72				
20	SSBQAM	50	24	18.90	18.73	18.64			19.7	
20	SSBQAM	50	50	18.86	18.74	18.63				
20	SSBQAM	100	0	18.85	18.70	18.52				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.74	23.72	23.60			24.7	
15	QPSK	1	37	23.75	23.67	23.58				
15	QPSK	1	74	23.80	23.66	23.57				
15	QPSK	36	0	22.91	22.83	22.69				
15	QPSK	36	26	22.89	22.80	22.70			23.7	
15	QPSK	36	36	22.89	22.77	22.69				
15	QPSK	75	0	22.88	22.81	22.68				
15	HQAM	1	0	22.97	22.96	22.89				
15	HQAM	1	37	23.00	22.89	22.83			23.7	
15	HQAM	1	74	23.07	22.85	22.85				
15	HQAM	36	0	21.88	21.79	21.69				
15	HQAM	36	26	21.90	21.78	21.70				
15	HQAM	36	36	21.89	21.74	21.67			22.7	
15	HQAM	75	0	21.88	21.77	21.66				
15	HQAM	1	0	21.98	21.89	21.84				
15	HQAM	1	37	22.07	21.90	21.74				
15	HQAM	1	74	22.04	21.85	21.76			21.7	
15	HQAM	36	0	20.87	20.79	20.70				
15	HQAM	36	26	20.89	20.77	20.69				
15	HQAM	36	36	20.90	20.77	20.68				
15	HQAM	75	0	20.86	20.77	20.66			19.7	
15	SSBQAM	1	0	18.96	18.83	18.69				
15	SSBQAM	1	37	18.95	18.82	18.57				
15	SSBQAM	1	74	18.96	18.83	18.79				
15	SSBQAM	36	0	18.74	18.67	18.60				
15	SSBQAM	36	26	18.95	18.73	18.67			19.7	
15	SSBQAM	36	36	18.89	18.78	18.69				
15	SSBQAM	75	0	18.78	18.65	18.57				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.80	23.75	23.59			24.7	
5	QPSK	1	49	23.83	23.76	23.58				
5	QPSK	1	24	23.82	23.72	23.61				
5	QPSK	12	0	22.88	22.80	22.67				
5	QPSK	12	6	22.90	22.80	22.69			23.7	
5	QPSK	12	13	22.88	22.78	22.69				
5	QPSK	25	0	22.88	22.81	22.68				
5	HQAM	1	0	23.06	23.06	22.90				
5	HQAM	1	12	23.11	22.99	22.91			23.7	
5	HQAM	1	24	23.04	23.00	22.89				
5	HQAM	12	0	21.92	21.79	21.70				
5	HQAM	12	7	21.95	21.83	21.74				
5	HQAM	12	13	21.94	21.81	21.73			22.7	
5	HQAM	25	0	21.92	21.79	21.68				
5	HQAM	1	0	21.98	21.91	21.76				
5	HQAM	1	12	22.01	21.95	21.82				
5	HQAM	1	24	22.00	21.88	21.81			21.7	
5	HQAM	12	0	20.89	20.80	20.72				
5	HQAM	12	7	20.88	20.81	20.70				
5	HQAM	12	13	20.90	20.77	20.70				
5	HQAM	25	0	20.88	20.76	20.68			19.7	
5	SSBQAM	1	0	18.73	18.69	18.59				
5	SSBQAM	1	12	18.93	18.79	18.60				
5	SSBQAM	1	24	18.92	18.86	18.90				
5	SSBQAM	12	0	18.68	18.62	18.74				
5	SSBQAM	12	7	18.92	18.78	18.67			19.7	
5	SSBQAM	12	13	18.98	18.75	18.60				
5	SSBQAM	25	0	18.93	18.74	18.71				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.79	23.71	23.55			24.7	
3	QPSK	1	8	23.76	23.66	23.53				
3	QPSK	1	14	23.81	23.70	23.58				
3	QPSK	8	0	22.85	22.76	22.61				
3	QPSK	8	4	22.84	22.76	22.62			23.7	
3	QPSK	8	7	22.87	22.75	22.64				
3	QPSK	16	0	22.89	22.76	22.64				
3	HQAM	1	0	23.04	23.02	22.86				
3	HQAM	1	8	22.99	22.93	22.81			23.7	
3	HQAM	1	14	23.05	22.96	22.84				
3	HQAM	8	0	21.86	21.76	21.66				
3	HQAM	8	4	21.89	21.78	21.67				
3	HQAM	8	7	21.93	21.79	21.73			22.7	
3	HQAM	16	0	21.90	21.78	21.68				
3	HQAM	1	0	22.00	21.88	21.76				
3	HQAM	1	8	22.01	21.84	21.75				
3	HQAM	1	14	22.03	21.91	21.79			21.7	
3	HQAM	8	0	20.87	20.74	20.66				
3	HQAM	8	4	20.86	20.72	20.66				
3	HQAM	8	7	20.89	20.77	20.69				
3	HQAM	16	0	20.85	20.73	20.66			19.7	
3	SSBQAM	1	0	18.74	18.71	18.69				
3	SSBQAM	1	8	18.98	18.70	18.64				
3	SSBQAM	1	14	18.97	18.79	18.78				
3	SSBQAM	8	0	18.74	18.73	18.61				
3	SSBQAM	8	4	18.83	18.68	18.57			19.7	
3	SSBQAM	8	7	18.81	18.61	18.57				
3	SSBQAM	16	0	18.85	18.61	18.56				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.79	23.68	23.58			24.7	
1.4	QPSK	1	3	23.70	23.68	23.54				
1.4	QPSK	3	0	23.77	23.68	23.57				
1.4	QPSK	3	3	23.77	23.64	23.53				
1.4	QPSK	3	0	22.81	22.73	22.63			23.7	
1.4	QPSK	3	3	22.81	22.70	22.61				
1.4	HQAM	1	0	22.84	22.81	22.69				
1.4	HQAM	3	0	22.84	22.78	22.68				
1.4	HQAM	3	3	22.77	22.63	22.58			23.7	
1.4	HQAM	3	0	22.81	22.82	22.71				
1.4	HQAM	3	3	22.85	22.82	22.80				
1.4	HQAM	3	0	21.88	21.87	21.82				
1.4	HQAM	3	3	21.83	21.83	21.70			22.7	
1.4	HQAM	3	0	21.73	21.83	21.70				
1.4	HQAM	3	0	21.73	21.83	21.70				
1.4	HQAM	3	0	21.73	21.83	21.70				
1.4	SSBQAM	3	3	18.93	18.67	18.67			21.7	
1.4	SSBQAM	3	1	18.94	18.69	18.68				
1.4	SSBQAM	3	1	18.93	18.70	18.69				
1.4	SSBQAM	3	1	18.93	18.72	18.71				
1.4	SSBQAM	3	3	18.83	18.70	18.69				



Band 14_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Time-to-Air (ms)		
Channel				7.68					
Frequency (MHz)				23.00					
10	QPSK	1	0	23.19			24.5		
10	QPSK	1	20	23.14					
10	QPSK	1	40	23.13					
10	QPSK	20	0	23.27			23.9		
10	QPSK	20	10	23.24					
10	QPSK	20	20	23.25					
10	QPSK	50	0	23.29			23.9		
10	HQDM	1	0	23.20					
10	HQDM	1	20	23.30					
10	HQDM	1	40	23.30			22.9		
10	HQDM	20	0	22.33					
10	HQDM	20	10	22.33					
10	HQDM	20	20	22.31			22.9		
10	HQDM	50	0	22.33					
10	HQDM	1	0	22.36					
10	HQDM	1	20	22.36			21.9		
10	HQDM	1	40	22.50					
10	HQDM	20	0	21.32					
10	HQDM	20	10	21.30			19.9		
10	HQDM	20	20	21.30					
10	HQDM	50	0	21.29					
10	SSQDM	1	0	19.01			19.9		
10	SSQDM	1	20	18.83					
10	SSQDM	1	40	18.90					
10	SSQDM	20	0	18.98			19.9		
10	SSQDM	20	10	18.98					
10	SSQDM	20	20	18.96					
10	SSQDM	50	0	18.92					
Channel				23.05	23.00	23.05	Time-to-Air (ms)		
Frequency (MHz)				768.5	768	768.5			
5	QPSK	1	0	23.15	23.18	23.13	24.5		
5	QPSK	1	10	23.20	23.19	23.18			
5	QPSK	1	20	23.14	23.14	23.11			
5	QPSK	12	0	23.21	23.21	23.18	23.9		
5	QPSK	12	7	23.22	23.21	23.20			
5	QPSK	12	14	23.21	23.21	23.18			
5	QPSK	20	0	23.25	23.21	23.20	23.9		
5	HQDM	1	0	23.20	22.26	23.22			
5	HQDM	1	10	23.22	23.22	23.20			
5	HQDM	1	20	23.23	23.22	23.22	22.9		
5	HQDM	12	0	22.33	22.35	22.31			
5	HQDM	12	7	22.38	22.35	22.32			
5	HQDM	12	14	22.32	22.34	22.31	22.9		
5	HQDM	20	0	22.34	22.31	22.30			
5	HQDM	1	0	22.47	22.48	22.47			
5	HQDM	1	10	22.50	22.48	22.44	21.9		
5	HQDM	12	0	21.30	21.29	21.28			
5	HQDM	12	7	21.32	21.32	21.28			
5	HQDM	12	14	21.31	21.30	21.28	19.9		
5	HQDM	20	0	21.33	21.31	21.29			
5	SSQDM	1	0	18.86	18.91	18.84			
5	SSQDM	1	10	18.86	18.79	18.81	19.9		
5	SSQDM	1	20	18.79	18.86	18.80			
5	SSQDM	12	0	18.91	18.86	18.80			
5	SSQDM	12	14	18.92	18.87	18.86	19.9		
5	SSQDM	12	13	18.94	18.89	18.94			
5	SSQDM	20	0	19.01	18.96	18.96			



Band 5_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Low Ch./Freq	Power Med. Ch./Freq	Power Hgh. Ch./Freq	Time-to- sync (ms)	
Channel				800	848.5	848			
Frequency (MHz)									
10	QPSK	1	0	23.32	23.21	23.10		24.2	
10	QPSK	1	20	23.31	23.12	23.07			
10	QPSK	1	40	23.30	23.15	23.02			
10	QPSK	20	0	23.28	23.22	23.13		23.7	
10	QPSK	20	10	23.23	23.23	23.12			
10	QPSK	20	20	23.25	23.22	23.14			
10	HQDM	1	0	23.63	23.53	23.48		23.7	
10	HQDM	1	20	23.61	23.53	23.44			
10	HQDM	1	40	23.70	23.47	23.36			
10	HQDM	20	0	22.32	22.24	22.14		22.7	
10	HQDM	20	10	22.31	22.22	22.16			
10	HQDM	50	0	22.34	22.27	22.17			
10	HQDM	1	0	22.53	22.42	22.37		21.7	
10	HQDM	1	20	22.52	22.46	22.32			
10	HQDM	1	40	22.57	22.42	22.30			
10	HQDM	20	0	21.31	21.23	21.17		19.7	
10	HQDM	20	10	21.31	21.21	21.17			
10	HQDM	20	20	21.30	21.20	21.11			
10	HQDM	50	0	21.35	21.27	21.17		19.7	
10	SSBQAM	1	0	18.98	18.94	18.73			
10	SSBQAM	1	20	18.94	18.86	18.75			
10	SSBQAM	1	40	18.96	18.82	18.80		19.7	
10	SSBQAM	20	0	18.96	18.92	18.86			
10	SSBQAM	20	10	18.97	18.86	18.86			
10	SSBQAM	50	0	18.98	18.95	18.75		19.7	
10	SSBQAM	50	0	19.10	18.95	18.99			
Channel				848.5	848.5	848.5			
Frequency (MHz)									
5	QPSK	1	0	23.26	23.20	23.13		24.2	
5	QPSK	1	10	23.27	23.18	23.11			
5	QPSK	1	20	23.30	23.24	23.12			
5	QPSK	12	0	23.31	23.24	23.13		23.7	
5	QPSK	12	7	23.33	23.22	23.12			
5	QPSK	12	13	23.31	23.21	23.10			
5	QPSK	20	0	23.30	23.24	23.09		23.7	
5	HQDM	1	0	23.62	23.45	23.42			
5	HQDM	1	10	23.55	23.41	23.38			
5	HQDM	1	20	23.61	23.43	23.35		22.7	
5	HQDM	12	0	22.39	22.25	22.23			
5	HQDM	12	7	22.39	22.24	22.25			
5	HQDM	12	13	22.37	22.23	22.20		22.7	
5	HQDM	20	0	22.34	22.22	22.15			
5	HQDM	1	0	22.57	22.43	22.46			
5	HQDM	1	10	22.57	22.33	22.43		21.7	
5	HQDM	1	20	22.60	22.36	22.35			
5	HQDM	12	0	21.38	21.21	21.18			
5	HQDM	12	7	21.40	21.19	21.16		19.7	
5	HQDM	12	13	21.40	21.18	21.15			
5	HQDM	20	0	21.36	21.22	21.15			
5	SSBQAM	1	0	18.90	18.93	18.80		19.7	
5	SSBQAM	1	12	18.76	18.86	18.84			
5	SSBQAM	1	20	18.88	18.82	18.75			
5	SSBQAM	1	40	18.97	18.94	18.92		19.7	
5	SSBQAM	12	0	18.97	18.94	18.92			
5	SSBQAM	12	13	18.92	18.87	18.86			
5	SSBQAM	20	0	19.01	18.85	18.80		19.7	
Channel				848.5	848.5	848.5			
Frequency (MHz)									
3	QPSK	1	0	23.30	23.19	23.13		24.2	
3	QPSK	1	8	23.17	23.08	22.92			
3	QPSK	1	14	23.24	23.14	22.99			
3	QPSK	8	0	23.25	23.15	23.02		23.7	
3	QPSK	8	4	23.27	23.16	23.06			
3	QPSK	8	7	23.28	23.16	23.08			
3	QPSK	16	0	23.30	23.19	23.08		23.7	
3	HQDM	1	0	23.63	23.48	23.41			
3	HQDM	1	8	23.58	23.39	23.32			
3	HQDM	1	14	23.62	23.45	23.36		22.7	
3	HQDM	8	0	22.33	22.18	22.13			
3	HQDM	8	4	22.34	22.19	22.14			
3	HQDM	8	7	22.34	22.19	22.13		22.7	
3	HQDM	16	0	22.33	22.18	22.09			
3	HQDM	1	0	22.38	22.36	22.30			
3	HQDM	1	8	22.42	22.34	22.22		21.7	
3	HQDM	1	14	22.48	22.41	22.29			
3	HQDM	8	0	21.30	21.20	21.13			
3	HQDM	8	4	21.34	21.19	21.12		19.7	
3	HQDM	8	7	21.36	21.23	21.12			
3	HQDM	16	0	21.37	21.20	21.14			
3	SSBQAM	1	0	18.97	18.82	18.69		19.7	
3	SSBQAM	1	8	18.97	18.72	18.69			
3	SSBQAM	1	14	18.92	18.77	18.72			
3	SSBQAM	8	0	18.99	18.83	18.79		19.7	
3	SSBQAM	8	4	19.00	18.80	18.76			
3	SSBQAM	8	7	18.97	18.92	18.84			
3	SSBQAM	16	0	18.98	18.79	18.81		19.7	
Channel				848.5	848.5	848.5			
Frequency (MHz)									
1.4	QPSK	1	0	23.24	23.11	23.03		24.2	
1.4	QPSK	1	8	23.18	23.07	22.95			
1.4	QPSK	1	5	23.24	23.13	23.00			
1.4	QPSK	3	0	23.23	23.09	22.98		23.7	
1.4	QPSK	3	0	23.23	23.15	23.02			
1.4	QPSK	3	3	23.21	23.11	23.00			
1.4	QPSK	6	0	23.26	23.14	23.02		23.7	
1.4	HQDM	1	0	23.52	23.36	23.29			
1.4	HQDM	1	3	23.57	23.36	23.22			
1.4	HQDM	1	6	23.55	23.36	23.25		23.7	
1.4	HQDM	3	0	23.30	23.17	23.12			
1.4	HQDM	3	1	23.33	23.22	23.15			
1.4	HQDM	3	0	23.43	23.21	23.12		22.7	
1.4	HQDM	6	0	22.32	22.15	22.08			
1.4	HQDM	1	0	22.53	22.35	22.32			
1.4	HQDM	1	0	22.44	22.18	22.21		22.7	
1.4	HQDM	1	6	22.45	22.24	22.22			
1.4	HQDM	3	0	22.28	22.18	22.08			
1.4	HQDM	3	0	22.46	22.19	22.19		21.7	
1.4	HQDM	3	3	22.39	22.18	22.14			
1.4	HQDM	6	0	21.25	21.11	21.03			
1.4	SSBQAM	1	3	18.81	18.63	18.67		19.7	
1.4	SSBQAM	1	6	18.93	18.76	18.81			
1.4	SSBQAM	3	0	18.98	18.81	18.74			
1.4	SSBQAM	3	1	18.99	18.91	18.86		19.7	
1.4	SSBQAM	3	0	18.98	18.87	18.83			
1.4	SSBQAM	6	1	18.89	18.76	18.80			



Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq	Power Mid Ch./F.Freq	Power High Ch./F.Freq	Time-to- end (dBm)
Channel				232M			Time-to- end (dBm)
Frequency (MHz)				780			
10	QPSK	1	0	24.02			24.1
10	QPSK	1	25	23.96			
10	QPSK	1	49	24.01			
10	QPSK	25	0	23.11			23.9
10	QPSK	25	12	23.08			
10	QPSK	25	25	23.10			
10	HQAM	1	0	23.32			23.9
10	HQAM	1	25	23.32			
10	HQAM	1	49	23.32			
10	HQAM	25	0	22.18			22.9
10	HQAM	25	12	22.14			
10	HQAM	25	25	22.14			
10	HQAM	50	0	22.18			22.9
10	HQAM	1	0	22.25			
10	HQAM	1	25	22.25			
10	HQAM	1	49	22.28			22.9
10	HQAM	25	12	21.08			
10	HQAM	25	25	21.09			
10	HQAM	50	0	21.14			21.9
10	256QAM	1	0	18.91			
10	256QAM	1	25	18.84			
10	256QAM	1	49	18.87			19.9
10	256QAM	25	12	19.08			
10	256QAM	25	25	19.05			
10	256QAM	50	0	19.12			19.9
Channel				232M	232M	232M	
Frequency (MHz)				778.5	782	785.5	Time-to- end (dBm)
5	QPSK	1	0	23.98	24.01	23.94	24.1
5	QPSK	1	12	23.94	24.00	23.98	
5	QPSK	1	24	24.00	23.96	23.92	
5	QPSK	12	0	23.08	23.07	23.04	23.9
5	QPSK	12	7	23.10	23.09	23.05	
5	QPSK	12	13	23.08	23.07	23.03	
5	QPSK	25	0	23.13	23.07	23.02	23.9
5	HQAM	1	0	23.01	23.34	23.26	
5	HQAM	1	12	23.05	23.39	23.30	
5	HQAM	1	24	23.09	23.27	23.25	22.9
5	HQAM	12	0	22.03	22.06	22.04	
5	HQAM	12	7	22.06	22.06	22.07	
5	HQAM	12	13	22.07	22.05	22.05	22.9
5	HQAM	25	0	22.11	22.07	22.02	
5	HQAM	25	0	21.99	22.21	22.19	
5	HQAM	1	12	21.98	22.25	22.14	22.9
5	HQAM	1	24	21.06	22.17	22.17	
5	HQAM	12	0	21.02	21.05	21.04	
5	HQAM	12	7	21.06	21.07	21.00	21.9
5	HQAM	12	13	21.09	21.02	21.02	
5	HQAM	25	0	21.10	21.05	21.01	
5	256QAM	1	0	18.91	18.91	18.94	19.9
5	256QAM	1	12	18.89	18.89	18.84	
5	256QAM	1	24	18.84	18.88	18.85	
5	256QAM	12	0	19.01	18.98	19.02	19.9
5	256QAM	12	7	19.02	19.00	18.97	
5	256QAM	12	13	19.05	18.97	18.94	
5	256QAM	25	0	19.08	19.03	19.02	



Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Mid Ch/Freq	Power High Ch/Freq	Time-to-start (dBm)
Channel				23.00			
Frequency (MHz)				78.5			
10	QPSK	1	0	23.19			23.3
10	QPSK	1	25	23.14			
10	QPSK	1	49	23.13			
10	QPSK	25	0	23.27			23.3
10	QPSK	25	12	23.24			
10	QPSK	25	25	23.25			
10	QPSK	50	0	23.29			23.3
10	HQAM	1	0	23.33			
10	HQAM	1	25	23.30			
10	HQAM	1	49	23.30			22.5
10	HQAM	25	0	22.33			
10	HQAM	25	12	22.33			
10	HQAM	25	25	22.31			22.5
10	HQAM	50	0	22.33			
10	HQAM	1	0	22.36			
10	HQAM	1	25	22.50			21.5
10	HQAM	1	49	22.50			
10	HQAM	25	0	21.32			
10	HQAM	25	12	21.30			19.5
10	HQAM	25	25	21.30			
10	HQAM	50	0	21.29			
10	256QAM	1	0	19.81			19.5
10	256QAM	1	25	18.83			
10	256QAM	1	49	18.90			
10	256QAM	25	0	19.00			19.5
10	256QAM	25	12	18.98			
10	256QAM	25	25	19.00			
10	256QAM	50	0	19.02			23.3
Channel				78.55	78.55	78.55	
Frequency (MHz)				23.05	23.05	23.05	23.3
5	QPSK	1	0	23.15	23.16	23.13	
5	QPSK	1	12	23.20	23.19	23.18	23.3
5	QPSK	1	24	23.14	23.14	23.11	
5	QPSK	12	0	23.21	23.21	23.18	
5	QPSK	12	7	23.22	23.21	23.20	23.3
5	QPSK	12	14	23.21	23.21	23.18	
5	QPSK	25	0	23.25	23.21	23.20	
5	HQAM	1	0	23.20	22.25	23.22	23.3
5	HQAM	1	12	23.22	23.22	23.20	
5	HQAM	1	24	23.23	23.22	23.22	
5	HQAM	12	0	22.33	22.35	22.31	22.5
5	HQAM	12	7	22.38	22.35	22.32	
5	HQAM	12	14	22.32	22.34	22.31	
5	HQAM	25	0	22.34	22.31	22.30	22.5
5	HQAM	1	12	22.50	22.48	22.45	
5	HQAM	1	24	22.50	22.48	22.44	
5	HQAM	12	0	21.30	21.29	21.28	21.5
5	HQAM	12	7	21.32	21.32	21.28	
5	HQAM	12	14	21.31	21.30	21.28	
5	HQAM	25	0	21.33	21.31	21.29	19.5
5	256QAM	1	0	18.96	18.91	18.94	
5	256QAM	1	12	18.96	18.79	18.81	
5	256QAM	1	24	18.79	18.86	18.80	19.5
5	256QAM	12	0	18.97	18.96	18.92	
5	256QAM	12	14	18.92	18.97	18.96	
5	256QAM	12	18	18.94	18.93	18.94	19.5
5	256QAM	25	0	19.01	18.96	18.96	

Band 26_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Avg Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.39	23.26	23.14			
15	QPSK	1	37	23.11	23.04	22.96			
15	QPSK	1	74	23.33	23.22	23.08			
15	QPSK	36	0	23.41	23.33	23.19			
15	QPSK	36	20	23.36	23.26	23.17			
15	QPSK	36	39	23.39	23.27	23.16			
15	QPSK	75	0	23.38	23.26	23.15			
15	WQAM	1	0	23.70	23.57	23.55			
15	WQAM	1	37	23.87	23.59	23.45			
15	WQAM	1	74	23.69	23.56	23.53			
15	WQAM	36	0	22.44	22.32	22.19			
15	WQAM	36	20	22.41	22.31	22.16			
15	WQAM	36	39	22.41	22.31	22.16			
15	WQAM	75	0	22.36	22.26	22.14			
15	WQAM	1	0	22.98	22.96	22.91			
15	WQAM	1	37	22.83	22.84	22.85			
15	WQAM	1	74	22.85	22.51	22.31			
15	WQAM	36	0	21.46	21.33	21.17			
15	WQAM	36	20	21.41	21.34	21.17			
15	WQAM	36	39	21.42	21.32	21.16			
15	WQAM	75	0	21.37	21.26	21.15			
15	SSBQAM	1	0	19.22	19.06	18.93			
15	SSBQAM	1	37	19.06	18.96	18.83			
15	SSBQAM	1	74	18.14	18.09	18.88			
15	SSBQAM	36	0	19.15	18.99	18.84			
15	SSBQAM	36	20	19.10	19.10	18.92			
15	SSBQAM	36	39	19.04	19.07	18.84			
15	SSBQAM	75	0	19.08	18.97	18.99			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.33	23.23	23.08			
15	QPSK	1	36	23.25	23.23	23.08			
15	QPSK	1	49	23.27	23.16	23.01			
15	QPSK	25	0	23.35	23.28	23.13			
15	QPSK	25	12	23.36	23.25	23.10			
15	QPSK	25	25	23.35	23.23	23.10			
15	QPSK	60	0	23.39	23.27	23.13			
15	WQAM	1	0	23.62	23.50	23.30			
15	WQAM	1	26	23.64	23.55	23.29			
15	WQAM	1	49	23.56	23.50	23.20			
15	WQAM	25	0	22.46	22.26	22.12			
15	WQAM	25	12	22.38	22.26	22.11			
15	WQAM	25	25	22.39	22.24	22.09			
15	WQAM	60	0	22.46	22.31	22.15			
15	WQAM	1	0	22.81	22.41	22.26			
15	WQAM	1	25	22.52	22.44	22.24			
15	WQAM	1	49	22.58	22.44	22.25			
15	WQAM	25	0	21.38	21.26	21.12			
15	WQAM	25	12	21.38	21.24	21.10			
15	WQAM	25	25	21.38	21.26	21.08			
15	WQAM	60	0	21.42	21.27	21.12			
15	SSBQAM	1	0	18.96	18.92	18.91			
15	SSBQAM	25	0	19.09	19.01	18.94			
15	SSBQAM	1	49	19.07	19.00	18.86			
15	SSBQAM	25	0	19.15	19.06	18.90			
15	SSBQAM	25	12	19.05	19.07	18.91			
15	SSBQAM	25	25	19.07	18.92	18.80			
15	SSBQAM	60	0	19.15	19.03	18.86			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.32	23.29	23.04			
5	QPSK	1	12	23.33	23.24	23.07			
5	QPSK	1	24	23.32	23.18	23.01			
5	QPSK	14	0	23.40	23.26	23.09			
5	QPSK	12	7	23.42	23.25	23.10			
5	QPSK	12	19	23.40	23.27	23.09			
5	QPSK	24	0	23.40	23.25	23.09			
5	WQAM	1	0	23.64	23.51	23.39			
5	WQAM	1	12	23.58	23.50	23.36			
5	WQAM	1	24	23.65	23.50	23.27			
5	WQAM	12	0	22.43	22.29	22.20			
5	WQAM	12	7	22.46	22.29	22.16			
5	WQAM	12	13	22.49	22.29	22.14			
5	WQAM	25	0	22.42	22.23	22.10			
5	WQAM	1	0	22.83	22.85	22.89			
5	WQAM	1	12	22.87	22.35	22.38			
5	WQAM	1	24	22.82	22.30	22.24			
5	WQAM	12	0	21.38	21.29	21.14			
5	WQAM	12	7	21.42	21.29	21.17			
5	WQAM	12	13	21.43	21.30	21.14			
5	WQAM	25	0	21.43	21.26	21.08			
5	SSBQAM	1	0	19.24	19.06	18.91			
5	SSBQAM	12	0	19.06	19.04	18.94			
5	SSBQAM	1	24	19.28	19.09	18.94			
5	SSBQAM	12	0	19.15	19.09	18.93			
5	SSBQAM	12	7	19.15	19.06	18.90			
5	SSBQAM	12	13	19.16	19.08	18.97			
5	SSBQAM	25	0	19.09	18.98	18.94			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.32	23.19	23.01			
3	QPSK	1	4	23.36	23.15	23.07			
3	QPSK	1	14	23.34	23.17	23.01			
3	QPSK	8	0	23.38	23.21	23.03			
3	QPSK	8	4	23.35	23.18	23.04			
3	QPSK	8	7	23.40	23.24	23.06			
3	QPSK	15	0	23.38	23.24	23.04			
3	WQAM	1	0	23.61	23.45	23.36			
3	WQAM	1	8	23.69	23.46	23.25			
3	WQAM	1	14	23.69	23.51	23.27			
3	WQAM	8	0	22.43	22.30	22.15			
3	WQAM	8	4	22.44	22.30	22.13			
3	WQAM	8	1	22.50	22.34	22.16			
3	WQAM	15	0	22.41	22.27	22.10			
3	WQAM	1	0	22.59	22.40	22.26			
3	WQAM	1	8	22.54	22.37	22.21			
3	WQAM	1	14	22.56	22.40	22.19			
3	WQAM	8	0	21.41	21.26	21.09			
3	WQAM	8	4	21.43	21.30	21.08			
3	WQAM	8	7	21.45	21.30	21.09			
3	WQAM	15	0	21.39	21.27	21.08			
3	SSBQAM	1	0	19.08	19.03	19.00			
3	SSBQAM	1	8	19.14	18.99	18.82			
3	SSBQAM	1	14	19.16	19.11	18.93			
3	SSBQAM	8	0	19.13	18.96	18.79			
3	SSBQAM	8	4	19.18	19.08	18.92			
3	SSBQAM	8	7	19.11	19.08	18.82			
3	SSBQAM	15	0	19.07	18.99	18.78			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.29	23.19	22.97			
1.4	QPSK	1	3	23.28	23.12	22.91			
1.4	QPSK	1	6	23.33	23.18	22.98			
1.4	QPSK	3	0	23.34	23.17	22.96			
1.4	QPSK	3	1	23.38	23.19	23.01			
1.4	QPSK	3	2	23.31	23.16	22.96			
1.4	QPSK	6	0	23.52	23.18	22.98			
1.4	WQAM	1	0	23.57	23.24	23.06			
1.4	WQAM	1	3	23.66	23.43	23.12			
1.4	WQAM	1	5	23.69	23.56	23.25			
1.4	WQAM	1	1	23.66	23.51	23.11			
1.4	WQAM	3	0	23.50	23.36	23.13			
1.4	WQAM	3	3	23.48	23.33	23.10			
1.4	WQAM	6	0	22.45	22.24	22.04			
1.4	WQAM	1	0	22.81	22.46	22.19			
1.4	WQAM	1	3	22.87	22.34	22.13			
1.4	WQAM	1	6	22.65	22.47	22.14			
1.4	WQAM	3	0	22.48	22.32	22.11			
1.4	WQAM	3	1	22.56	22.43	22.18			
1.4	WQAM	3	2	22.54	22.36	22.13			
1.4	WQAM	6	0	21.42	21.24	20.96			
1.4	SSBQAM	1	0	19.12	19.07	18.78			
1.4	SSBQAM	1	3	19.08	18.88	18.79			
1.4	SSBQAM	1	6	19.12	18.99	18.79			
1.4	SSBQAM	3	0	19.20	19.05	18.80			
1.4	SSBQAM	3	1	19.15	19.08	18.85			
1.4	SSBQAM	3	2	19.19	19.04	18.78			
1.4	SSBQAM	6	0	19.06	19.02	18.74			

Band 2_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.33	22.30	22.30	22.30	22.30	22.30
20	QPSK	1	49	22.40	22.36	22.36	22.36	22.36	22.36
20	QPSK	1	99	22.31	22.30	22.30	22.30	22.30	22.30
20	QPSK	50	0	22.50	22.46	22.46	22.46	22.46	22.46
20	QPSK	50	24	22.44	22.38	22.38	22.38	22.38	22.38
20	QPSK	50	50	22.49	22.46	22.46	22.46	22.46	22.46
20	QPSK	100	0	22.47	22.36	22.36	22.36	22.36	22.36
20	HQDM	1	0	22.45	22.45	22.38	22.38	22.38	22.38
20	HQDM	1	49	22.46	22.50	22.44	22.44	22.44	22.44
20	HQDM	1	99	22.47	22.46	22.46	22.46	22.46	22.46
20	HQDM	50	0	21.88	21.77	21.71	21.71	21.71	21.71
20	HQDM	50	24	21.91	21.81	21.78	21.78	21.78	21.78
20	HQDM	50	50	21.97	21.78	21.74	21.74	21.74	21.74
20	HQDM	100	0	21.88	21.77	21.74	21.74	21.74	21.74
20	HQDM	1	0	21.91	21.91	21.74	21.74	21.74	21.74
20	HQDM	1	49	21.96	21.96	21.91	21.91	21.91	21.91
20	HQDM	1	99	21.99	21.90	21.85	21.85	21.85	21.85
20	HQDM	50	0	20.88	20.75	20.71	20.71	20.71	20.71
20	HQDM	50	24	20.92	20.85	20.85	20.85	20.85	20.85
20	HQDM	50	50	20.87	20.77	20.80	20.80	20.80	20.80
20	HQDM	100	0	20.87	20.75	20.75	20.75	20.75	20.75
20	SSBQAM	1	0	18.78	18.73	18.61	18.61	18.61	18.61
20	SSBQAM	1	49	18.91	18.89	18.70	18.70	18.70	18.70
20	SSBQAM	1	99	18.84	18.78	18.68	18.68	18.68	18.68
20	SSBQAM	50	0	18.91	18.80	18.78	18.78	18.78	18.78
20	SSBQAM	50	24	18.90	18.79	18.82	18.82	18.82	18.82
20	SSBQAM	50	50	18.90	18.78	18.83	18.83	18.83	18.83
20	SSBQAM	100	0	18.90	18.87	18.71	18.71	18.71	18.71
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.45	22.44	22.27	22.27	22.27	22.27
15	QPSK	1	37	22.41	22.40	22.45	22.45	22.45	22.45
15	QPSK	1	74	22.48	22.41	22.43	22.43	22.43	22.43
15	QPSK	30	0	22.43	22.32	22.34	22.34	22.34	22.34
15	QPSK	30	20	22.39	22.32	22.38	22.38	22.38	22.38
15	QPSK	30	39	22.44	22.35	22.33	22.33	22.33	22.33
15	QPSK	70	0	22.47	22.32	22.30	22.30	22.30	22.30
15	HQDM	1	0	22.39	22.36	22.27	22.27	22.27	22.27
15	HQDM	1	37	22.45	22.45	22.43	22.43	22.43	22.43
15	HQDM	1	74	22.40	22.39	22.42	22.42	22.42	22.42
15	HQDM	30	0	21.88	21.70	21.68	21.68	21.68	21.68
15	HQDM	30	20	21.82	21.74	21.75	21.75	21.75	21.75
15	HQDM	30	39	21.83	21.73	21.74	21.74	21.74	21.74
15	HQDM	70	0	21.78	21.69	21.66	21.66	21.66	21.66
15	HQDM	1	0	21.80	21.88	21.74	21.74	21.74	21.74
15	HQDM	1	37	22.10	21.81	21.85	21.85	21.85	21.85
15	HQDM	1	74	21.91	21.76	21.70	21.70	21.70	21.70
15	HQDM	30	0	20.81	20.68	20.69	20.69	20.69	20.69
15	HQDM	30	20	20.80	20.76	20.77	20.77	20.77	20.77
15	HQDM	30	39	20.81	20.73	20.80	20.80	20.80	20.80
15	HQDM	70	0	20.79	20.73	20.75	20.75	20.75	20.75
15	SSBQAM	1	0	18.75	18.68	18.51	18.51	18.51	18.51
15	SSBQAM	1	25	18.88	18.88	18.68	18.68	18.68	18.68
15	SSBQAM	1	49	18.90	18.89	18.68	18.68	18.68	18.68
15	SSBQAM	20	0	18.88	18.67	18.74	18.74	18.74	18.74
15	SSBQAM	20	12	18.93	18.77	18.76	18.76	18.76	18.76
15	SSBQAM	20	25	18.94	18.73	18.82	18.82	18.82	18.82
15	SSBQAM	50	0	18.90	18.85	18.76	18.76	18.76	18.76
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.34	22.35	22.35	22.35	22.35	22.35
5	QPSK	1	19	22.33	22.35	22.33	22.33	22.33	22.33
5	QPSK	1	24	22.33	22.30	22.35	22.35	22.35	22.35
5	QPSK	12	0	22.49	22.33	22.37	22.37	22.37	22.37
5	QPSK	12	7	22.35	22.32	22.33	22.33	22.33	22.33
5	QPSK	12	13	22.41	22.33	22.34	22.34	22.34	22.34
5	QPSK	25	0	22.45	22.32	22.32	22.32	22.32	22.32
5	HQDM	1	0	22.44	22.35	22.35	22.35	22.35	22.35
5	HQDM	1	12	22.43	22.42	22.43	22.43	22.43	22.43
5	HQDM	1	20	22.48	22.42	22.45	22.45	22.45	22.45
5	HQDM	12	0	21.85	21.69	21.70	21.70	21.70	21.70
5	HQDM	12	7	21.86	21.79	21.78	21.78	21.78	21.78
5	HQDM	12	13	21.84	21.74	21.66	21.66	21.66	21.66
5	HQDM	20	0	21.82	21.69	21.68	21.68	21.68	21.68
5	HQDM	1	0	21.81	21.87	21.65	21.65	21.65	21.65
5	HQDM	1	12	21.98	21.90	21.83	21.83	21.83	21.83
5	HQDM	1	24	21.96	21.72	21.85	21.85	21.85	21.85
5	HQDM	12	0	20.80	20.70	20.64	20.64	20.64	20.64
5	HQDM	12	7	20.85	20.80	20.73	20.73	20.73	20.73
5	HQDM	12	13	20.87	20.70	20.72	20.72	20.72	20.72
5	HQDM	20	0	20.88	20.77	20.73	20.73	20.73	20.73
5	SSBQAM	1	0	18.76	18.74	18.61	18.61	18.61	18.61
5	SSBQAM	1	12	18.88	18.88	18.61	18.61	18.61	18.61
5	SSBQAM	1	24	18.74	18.74	18.61	18.61	18.61	18.61
5	SSBQAM	12	0	18.81	18.50	18.74	18.74	18.74	18.74
5	SSBQAM	12	7	18.99	18.72	18.81	18.81	18.81	18.81
5	SSBQAM	12	13	18.90	18.76	18.73	18.73	18.73	18.73
5	SSBQAM	20	0	18.90	18.87	18.71	18.71	18.71	18.71
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.30	22.33	22.35	22.35	22.35	22.35
3	QPSK	1	8	22.37	22.33	22.35	22.35	22.35	22.35
3	QPSK	14	0	22.31	22.35	22.34	22.34	22.34	22.34
3	QPSK	8	0	22.50	22.33	22.40	22.40	22.40	22.40
3	QPSK	8	4	22.42	22.33	22.33	22.33	22.33	22.33
3	QPSK	8	7	22.48	22.32	22.38	22.38	22.38	22.38
3	QPSK	16	0	22.49	22.31	22.36	22.36	22.36	22.36
3	QPSK	1	0	22.45	22.30	22.38	22.38	22.38	22.38
3	QPSK	1	8	22.40	22.45	22.42	22.42	22.42	22.42
3	QPSK	1	16	22.40	22.43	22.43	22.43	22.43	22.43
3	HQDM	1	0	21.85	21.75	21.63	21.63	21.63	21.63
3	HQDM	8	4	21.83	21.72	21.71	21.71	21.71	21.71
3	HQDM	8	7	21.77	21.78	21.76	21.76	21.76	21.76
3	HQDM	16	0	21.79	21.72	21.73	21.73	21.73	21.73
3	HQDM	1	0	21.86	21.81	21.73	21.73	21.73	21.73
3	HQDM	1	8	21.90	21.73	21.78	21.78	21.78	21.78
3	HQDM	1	16	21.91	21.75	21.75	21.75	21.75	21.75
3	HQDM	8	0	20.86	20.67	20.67	20.67	20.67	20.67
3	HQDM	8	7	20.85	20.78	20.78	20.78	20.78	20.78
3	HQDM	16	0	20.74	20.67	20.77	20.77	20.77	20.77
3	SSBQAM	1	0	18.74	18.67	18.50	18.50	18.50	18.50
3	SSBQAM	8	8	18.81	18.84	18.62	18.62	18.62	18.62
3	SSBQAM	8	15	18.73	18.69	18.62	18.62	18.62	18.62
3	SSBQAM	8	4	18.63	18.62	18.70	18.70	18.70	18.70
3	SSBQAM	8	4	18.67	18.74	18.73	18.73	18.73	18.73
3	SSBQAM	8	15	18.67	18.77	18.76	18.76	18.76	18.76
3	SSBQAM	16	0	18.63	18.67	18.71	18.71	18.71	18.71
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.50	22.48	22.43	22.43	22.43	22.43
1.4	QPSK	1	3	22.40	22.30	22.38	22.38	22.38	22.38
1.4	QPSK	1	6	22.44	22.45	22.43	22.43	22.43	22.43
1.4	QPSK	3	0	22.40	22.42	22.42	22.42	22.42	22.42
1.4	QPSK	3	3	22.49	22.46	22.42	22.42	22.42	22.42
1.4	QPSK	3	6	22.48	22.47	22.46	22.46	22.46	22.46
1.4	HQDM	1	0	22.44	22.48	22.40	22.40	22.40	22.40
1.4	HQDM	1	3	22.40	22.38	22.40	22.40	22.40	22.40
1.4	HQDM	1	6	22.42	22.41	22.39	22.39	22.39	22.39
1.4	HQDM	3	0	22.48	22.26	22.31	22.31	22.31	22.31
1.4	HQDM	3	3	22.44	22.38	22.40	22.40	22.40	22.40
1.4	HQDM	3	6	22.49	22.46	22.43	22.43	22.43	22.43
1.4	HQDM	1	0	21.90	21.87	21.84	21.84	21.84	21.84
1.4	HQDM	1	3	21.86	21.76	21.71	21.71	21.71	21.71
1.4	HQDM	1	6	21.98	21.88	21.86	21.86	21.86	21.86
1.4	HQDM	3	0	20.91	20.77	20.80	20.80	20.80	20.80
1.4	HQDM	3	3	20.92	20.86	20.83	20.83	20.83	20.83
1.4	HQDM	3	6	20.93	20.87	20.86	20.86	20.86	20.86
1.4	HQDM	1	0	18.95	18.73	18.76	18.76	18.76	18.76
1.4	HQDM	1	3	18.95	18.81	18.81	18.81	18.81	18.81
1.4	HQDM	1	6	18.98	18.80	18.80	18.80	18.80	18.80
1.4	HQDM	3	0	18.92	18.86	18.71	18.71		

Band 25_Ant 0													
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Total dBm						
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.33	22.30	22.31		22.5					
20	QPSK	1	49	22.36	22.30	22.32							
20	QPSK	1	99	22.32	22.34	22.31							
20	QPSK	50	0	22.47	22.34	22.29							
20	QPSK	50	24	22.50	22.37	22.35		22.5					
20	QPSK	50	50	22.45	22.37	22.33							
20	HQAM	1	0	22.41	22.44	22.43							
20	HQAM	1	49	22.42	22.50	22.50							
20	HQAM	50	0	21.84	21.72	21.70		22					
20	HQAM	50	24	21.87	21.77	21.74							
20	HQAM	50	50	21.84	21.74	21.74							
20	HQAM	100	0	21.82	21.72	21.71							
20	HQAM	1	0	21.87	21.79	21.71		22					
20	HQAM	1	49	21.91	21.79	21.79							
20	HQAM	50	0	20.88	20.79	20.76							
20	HQAM	50	24	20.88	20.76	20.76							
20	HQAM	50	50	20.84	20.73	20.74		21					
20	HQAM	100	0	20.82	20.71	20.72							
20	SSBQAM	1	0	18.79	18.70	18.61							
20	SSBQAM	1	49	18.79	18.76	18.61							
20	SSBQAM	50	0	18.85	18.99	18.77		19					
20	SSBQAM	50	24	19.00	18.79	18.77							
20	SSBQAM	50	50	18.92	18.81	18.76							
20	SSBQAM	100	0	18.92	18.79	18.77							
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.49	22.32	22.23		22.5					
15	QPSK	1	37	22.40	22.25	22.38							
15	QPSK	1	74	22.44	22.30	22.32							
15	QPSK	36	0	22.38	22.34	22.32							
15	QPSK	36	26	22.50	22.38	22.33		22.5					
15	QPSK	36	36	22.44	22.28	22.34							
15	QPSK	75	0	22.37	22.31	22.33							
15	HQAM	1	0	22.41	22.35	22.40							
15	HQAM	1	37	22.33	22.41	22.43		22.5					
15	HQAM	1	74	22.38	22.36	22.24							
15	HQAM	36	0	21.79	21.62	21.69							
15	HQAM	36	26	21.84	21.70	21.64		22					
15	HQAM	36	39	21.75	21.68	21.65							
15	HQAM	75	0	21.76	21.62	21.62							
15	HQAM	1	0	21.83	21.73	21.68							
15	HQAM	1	37	21.85	21.81	21.83		21					
15	HQAM	1	74	21.86	21.78	21.71							
15	HQAM	36	0	20.83	20.84	20.63							
15	HQAM	36	26	20.86	20.72	20.68							
15	HQAM	36	39	20.82	20.70	20.74		21					
15	HQAM	75	0	20.78	20.85	20.65							
15	SSBQAM	1	0	18.76	18.61	18.51							
15	SSBQAM	1	37	18.86	18.84	18.75							
15	SSBQAM	1	74	18.81	18.70	18.72		19					
15	SSBQAM	36	0	18.92	18.86	18.73							
15	SSBQAM	36	26	18.91	18.72	18.74							
15	SSBQAM	36	39	18.89	18.77	18.79							
15	SSBQAM	75	0	18.83	18.77	18.71		19					
15	SSBQAM	100	0	18.83	18.79	18.73							
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.46	22.41	22.35		22.5					
10	QPSK	1	25	22.35	22.35	22.33							
10	QPSK	1	49	22.37	22.33	22.32							
10	QPSK	25	12	22.42	22.33	22.30							
10	QPSK	25	25	22.45	22.33	22.32		22.5					
10	QPSK	50	0	22.43	22.34	22.24							
10	HQAM	1	0	22.39	22.43	22.41							
10	HQAM	1	25	22.36	22.49	22.49							
10	HQAM	1	49	22.45	22.38	22.21		22.5					
10	HQAM	25	0	21.82	21.83	21.85							
10	HQAM	25	12	21.86	21.77	21.68							
10	HQAM	25	25	21.83	21.69	21.66							
10	HQAM	50	0	21.74	21.70	21.67		22					
10	HQAM	1	0	21.80	21.78	21.79							
10	HQAM	1	49	21.83	21.77	21.64							
10	HQAM	25	0	20.83	20.72	20.62							
10	HQAM	25	12	20.81	20.88	20.73		21					
10	HQAM	25	25	20.81	20.70	20.73							
10	HQAM	50	0	20.74	20.64	20.70							
10	SSBQAM	1	0	18.72	18.63	18.54							
10	SSBQAM	1	25	18.76	18.70	18.66		19					
10	SSBQAM	1	49	18.76	18.70	18.66							
10	SSBQAM	25	0	18.76	18.96	18.76							
10	SSBQAM	25	12	18.90	18.70	18.66							
10	SSBQAM	25	25	18.83	18.72	18.79		19					
10	SSBQAM	50	0	18.87	18.79	18.73							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.39	22.35	22.31		22.5					
5	QPSK	1	12	22.37	22.30	22.45							
5	QPSK	1	24	22.36	22.33	22.33							
5	QPSK	12	0	22.43	22.32	22.32							
5	QPSK	12	13	22.43	22.30	22.30		22.5					
5	QPSK	25	0	22.34	22.31	22.31							
5	HQAM	1	0	22.41	22.34	22.40							
5	HQAM	1	12	22.38	22.48	22.44							
5	HQAM	1	24	22.42	22.30	22.28		22.5					
5	HQAM	12	0	21.83	21.62	21.65							
5	HQAM	12	7	21.77	21.74	21.64							
5	HQAM	12	13	21.76	21.73	21.64							
5	HQAM	25	0	21.80	21.62	21.62		21					
5	HQAM	1	0	21.77	21.75	21.68							
5	HQAM	1	12	21.80	21.79	21.81							
5	HQAM	1	24	21.81	21.78	21.65							
5	HQAM	12	0	20.86	20.70	20.70		19					
5	HQAM	12	7	20.84	20.76	20.68							
5	HQAM	12	13	20.77	20.72	20.67							
5	HQAM	25	0	20.76	20.66	20.72							
5	SSBQAM	1	0	18.69	18.62	18.58		19					
5	SSBQAM	1	12	18.86	18.77	18.72							
5	SSBQAM	1	24	18.75	18.71	18.75							
5	SSBQAM	12	0	18.79	18.68	18.68							
5	SSBQAM	12	7	18.96	18.70	18.71		19					
5	SSBQAM	12	13	18.82	18.72	18.74							
5	SSBQAM	25	0	18.86	18.69	18.67							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.43	22.37	22.35		22.5					
3	QPSK	1	8	22.33	22.31	22.37							
3	QPSK	14	224	22.44	22.38	22.32		22.5					
3	QPSK	8	0	22.41	22.34	22.35							
3	QPSK	8	4	22.35	22.33	22.35							
3	QPSK	8	7	22.43	22.37	22.26							
3	HQAM	15	0	22.36	22.37	22.36		22.5					
3	HQAM	1	8	22.37	22.43	22.49							
3	HQAM	1	23	22.38	22.36	22.25							
3	HQAM	8	0	21.80	21.72	21.61							
3	HQAM	8	4	21.80	21.73	21.68		22					
3	HQAM	8	7	21.86	21.71	21.62							
3	HQAM	15	0	21.85	21.71	21.63							
3	HQAM	1	8	21.78	21.78	21.65							
3	HQAM	1	14	21.88	21.69	21.72		22					
3	HQAM	8	0	20.77	20.71	20.63							
3	HQAM	8	7	20.77	20.73	20.67							
3	HQAM	15	0	20.76	20.66	20.72							
3	SSBQAM	1	8	18.69	18.75	18.68		21					
3	SSBQAM	1	14	18.85	18.65	18.65							
3	SSBQAM	8	0	18.84	18.68	18.75							
3	SSBQAM	8	4	18.90	18.76	18.68							
3	SSBQAM	8	7	18.92	18.74	18.73		19					
3	SSBQAM	15	0	18.82	18.84	18.73							
3	SSBQAM	1	8	18.82	18.86	18.74							
3	SSBQAM	15	0	18.83	18.76	18.63							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.44	22.42	22.37		22.5					
1.4	QPSK	1	3	22.41	22.25	22.25							
1.4	QPSK	3	0	22.43	22.33	22.35							
1.4	QPSK	3	3	22.53	22.47	22.37							
1.4	QPSK	3	6	22.43	22.33	22.35		22.5					
1.4	QPSK	3	9	22.53	22.47	22.37							
1.4	QPSK	6	0	22.33	22.47	22.35							
1.4	HQAM	1	0	22.41	22.44	22.38							
1.4	HQAM	1	3	22.42	22.36	22.35		22.5					
1.4	HQAM	1	6	22.42	22.32	22.24							
1.4	HQAM	3	0	22.47	22.32	22.24							
1.4	HQAM	3	3	22.47	22.31	22.26							
1.4	HQAM	3	6	22.47	22.36	22.32		22					
1.4	HQAM	3	9	22.47	22.36	22.32							
1.4	HQAM	6	0	22.47	22.34	22.27							
1.4	HQAM	1	3	21.90	21.84	21.77							
1.4	HQAM	1	6	21.90	21.81	21.64		22					
1.4	HQAM	3	0	21.82	21.73	21.66							
1.4	HQAM	3	3	21.87	21.81	21.71							
1.4	HQAM	3	6	21.87	21.74	21.67							
1.4	HQAM	6	0	21.81	20.86	20.80		21					
1.4	SSBQAM	1	3	18.87	18.73	18.71							
1.4	SSBQAM	1	6	18.87	18.73	18.72							
1.4	SSBQAM	3	0	18.92	18.84	18.73							
1.4	SSBQAM	3	3	18.94	18.83	18.69		19					
1.4	SSBQAM	3	6	18.92	18.86	18.73							
1.4	SSBQAM	6	0	18.82	18.86	18.73							
1.4	SSBQAM	6	3	18.84	18.83	18.69							

Band 30_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Time-to-Air (sec)
Channel				27760			
Frequency (MHz)				2410			
10	QPSK	1	0	23.72			23.9
10	QPSK	1	25	23.52			
10	QPSK	1	49	23.52			
10	QPSK	25	0	22.75			23.4
10	QPSK	25	10	22.75			
10	QPSK	25	25	22.75			
10	QPSK	50	0	22.77			23.4
10	HQAM	1	0	23.53			
10	HQAM	1	25	22.84			
10	HQAM	1	49	22.83			22.4
10	HQAM	25	0	21.79			
10	HQAM	25	10	21.77			
10	HQAM	25	25	21.74			22.4
10	HQAM	50	0	21.78			
10	HQAM	1	0	21.90			
10	HQAM	1	25	21.76			21.4
10	HQAM	1	49	21.76			
10	HQAM	25	0	20.89			
10	HQAM	25	10	20.78			19.4
10	HQAM	25	25	20.77			
10	HQAM	50	0	20.80			
10	256QAM	1	0	19.05			19.4
10	256QAM	1	25	19.11			
10	256QAM	1	49	19.04			
10	256QAM	25	0	18.94			19.4
10	256QAM	25	10	18.97			
10	256QAM	25	25	18.95			
10	256QAM	50	0	18.98			
Channel				27685	27710	27735	Time-to-Air (sec)
Frequency (MHz)				2613.5	2610	2613.5	
5	QPSK	1	0	23.58	23.57	23.47	23.9
5	QPSK	1	10	23.34	23.31	23.31	
5	QPSK	1	24	23.33	23.31	23.30	
5	QPSK	12	0	22.37	22.38	22.37	23.4
5	QPSK	12	7	22.43	22.38	22.38	
5	QPSK	12	13	22.41	22.35	22.34	
5	QPSK	25	0	22.46	22.43	22.37	23.4
5	HQAM	1	0	22.75	22.68	22.72	
5	HQAM	1	10	22.68	22.61	22.61	
5	HQAM	1	24	22.63	22.57	22.58	22.4
5	HQAM	12	0	21.58	21.57	21.42	
5	HQAM	12	7	21.68	21.60	21.59	
5	HQAM	12	13	21.77	21.63	21.54	22.4
5	HQAM	25	0	21.81	21.72	21.58	
5	HQAM	25	0	21.89	21.88	21.70	
5	HQAM	1	10	21.89	21.85	21.74	21.4
5	HQAM	12	7	20.77	20.73	20.71	
5	HQAM	12	13	20.74	20.74	20.71	
5	HQAM	25	0	20.80	20.80	20.77	19.4
5	256QAM	1	0	18.92	18.92	18.92	
5	256QAM	1	10	18.95	18.95	18.95	
5	256QAM	12	13	18.95	18.94	18.95	19.4
5	256QAM	25	0	18.97	18.95	18.95	
5	256QAM	25	0	18.97	18.95	18.95	

Band 2_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.33	22.30	22.30	22.30	22.30	22.30
20	QPSK	1	49	22.40	22.36	22.36	22.36	22.36	22.36
20	QPSK	1	99	22.31	22.30	22.30	22.30	22.30	22.30
20	QPSK	50	0	22.50	22.46	22.46	22.46	22.46	22.46
20	QPSK	50	24	22.44	22.38	22.38	22.38	22.38	22.38
20	QPSK	50	50	22.49	22.46	22.46	22.46	22.46	22.46
20	QPSK	100	0	22.47	22.36	22.36	22.36	22.36	22.36
20	HQDM	1	0	22.45	22.45	22.38	22.38	22.38	22.38
20	HQDM	1	49	22.46	22.50	22.44	22.44	22.44	22.44
20	HQDM	1	99	22.47	22.46	22.46	22.46	22.46	22.46
20	HQDM	50	0	21.88	21.77	21.71	21.71	21.71	21.71
20	HQDM	50	24	21.91	21.81	21.78	21.78	21.78	21.78
20	HQDM	50	50	21.97	21.78	21.78	21.78	21.78	21.78
20	HQDM	100	0	21.88	21.77	21.74	21.74	21.74	21.74
20	HQDM	1	0	21.91	21.91	21.74	21.74	21.74	21.74
20	HQDM	1	49	21.96	21.96	21.91	21.91	21.91	21.91
20	HQDM	1	99	21.99	21.90	21.85	21.85	21.85	21.85
20	HQDM	50	0	20.88	20.75	20.71	20.71	20.71	20.71
20	HQDM	50	24	20.92	20.85	20.80	20.80	20.80	20.80
20	HQDM	50	50	20.87	20.77	20.80	20.80	20.80	20.80
20	HQDM	100	0	20.87	20.75	20.75	20.75	20.75	20.75
20	HQDM	1	0	18.78	18.73	18.61	18.61	18.61	18.61
20	HQDM	1	49	18.91	18.89	18.70	18.70	18.70	18.70
20	HQDM	1	99	18.84	18.78	18.68	18.68	18.68	18.68
20	HQDM	50	0	18.91	18.80	18.78	18.78	18.78	18.78
20	HQDM	50	24	18.90	18.79	18.82	18.82	18.82	18.82
20	HQDM	50	50	18.97	18.79	18.83	18.83	18.83	18.83
20	HQDM	100	0	18.95	18.87	18.71	18.71	18.71	18.71
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.45	22.44	22.27	22.27	22.27	22.27
15	QPSK	1	37	22.41	22.40	22.45	22.45	22.45	22.45
15	QPSK	1	74	22.48	22.41	22.43	22.43	22.43	22.43
15	QPSK	30	0	22.43	22.32	22.34	22.34	22.34	22.34
15	QPSK	30	20	22.39	22.32	22.38	22.38	22.38	22.38
15	QPSK	30	39	22.44	22.35	22.33	22.33	22.33	22.33
15	QPSK	70	0	22.47	22.32	22.30	22.30	22.30	22.30
15	HQDM	1	0	22.39	22.36	22.27	22.27	22.27	22.27
15	HQDM	1	37	22.45	22.45	22.43	22.43	22.43	22.43
15	HQDM	1	74	22.40	22.39	22.42	22.42	22.42	22.42
15	HQDM	30	0	21.88	21.70	21.68	21.68	21.68	21.68
15	HQDM	30	20	21.82	21.74	21.75	21.75	21.75	21.75
15	HQDM	30	39	21.83	21.73	21.74	21.74	21.74	21.74
15	HQDM	70	0	21.78	21.69	21.66	21.66	21.66	21.66
15	HQDM	1	0	21.80	21.69	21.74	21.74	21.74	21.74
15	HQDM	1	37	22.10	21.81	21.85	21.85	21.85	21.85
15	HQDM	1	74	21.91	21.76	21.70	21.70	21.70	21.70
15	HQDM	30	0	20.81	20.68	20.69	20.69	20.69	20.69
15	HQDM	30	20	20.80	20.76	20.77	20.77	20.77	20.77
15	HQDM	30	39	20.81	20.73	20.80	20.80	20.80	20.80
15	HQDM	70	0	20.79	20.73	20.75	20.75	20.75	20.75
15	HQDM	1	0	18.77	18.68	18.52	18.52	18.52	18.52
15	HQDM	1	25	18.88	18.88	18.68	18.68	18.68	18.68
15	HQDM	1	49	18.90	18.89	18.68	18.68	18.68	18.68
15	HQDM	20	0	18.88	18.67	18.74	18.74	18.74	18.74
15	HQDM	20	12	18.93	18.77	18.76	18.76	18.76	18.76
15	HQDM	20	25	18.94	18.73	18.82	18.82	18.82	18.82
15	HQDM	50	0	18.95	18.85	18.76	18.76	18.76	18.76
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.34	22.35	22.35	22.35	22.35	22.35
5	QPSK	1	12	22.33	22.35	22.33	22.33	22.33	22.33
5	QPSK	1	24	22.33	22.30	22.35	22.35	22.35	22.35
5	QPSK	12	0	22.49	22.33	22.37	22.37	22.37	22.37
5	QPSK	12	7	22.35	22.32	22.33	22.33	22.33	22.33
5	QPSK	12	13	22.41	22.31	22.34	22.34	22.34	22.34
5	QPSK	25	0	22.45	22.32	22.32	22.32	22.32	22.32
5	HQDM	1	0	22.44	22.35	22.35	22.35	22.35	22.35
5	HQDM	1	12	22.43	22.42	22.43	22.43	22.43	22.43
5	HQDM	1	24	22.48	22.42	22.45	22.45	22.45	22.45
5	HQDM	12	0	21.85	21.69	21.70	21.70	21.70	21.70
5	HQDM	12	7	21.86	21.79	21.78	21.78	21.78	21.78
5	HQDM	12	13	21.84	21.74	21.66	21.66	21.66	21.66
5	HQDM	25	0	21.82	21.69	21.68	21.68	21.68	21.68
5	HQDM	1	0	21.81	21.87	21.85	21.85	21.85	21.85
5	HQDM	1	12	21.98	21.90	21.83	21.83	21.83	21.83
5	HQDM	1	24	21.96	21.72	21.85	21.85	21.85	21.85
5	HQDM	12	0	20.80	20.70	20.64	20.64	20.64	20.64
5	HQDM	12	7	20.85	20.80	20.79	20.79	20.79	20.79
5	HQDM	12	13	20.87	20.70	20.72	20.72	20.72	20.72
5	HQDM	25	0	20.88	20.77	20.73	20.73	20.73	20.73
5	HQDM	1	0	18.76	18.70	18.61	18.61	18.61	18.61
5	HQDM	1	12	18.88	18.83	18.61	18.61	18.61	18.61
5	HQDM	1	24	18.74	18.74	18.61	18.61	18.61	18.61
5	HQDM	12	0	18.81	18.50	18.74	18.74	18.74	18.74
5	HQDM	12	7	18.99	18.72	18.81	18.81	18.81	18.81
5	HQDM	12	13	18.90	18.76	18.73	18.73	18.73	18.73
5	HQDM	25	0	18.90	18.87	18.61	18.61	18.61	18.61
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.30	22.33	22.35	22.35	22.35	22.35
3	QPSK	1	8	22.37	22.33	22.35	22.35	22.35	22.35
3	QPSK	14	0	22.31	22.35	22.34	22.34	22.34	22.34
3	QPSK	8	0	22.50	22.31	22.40	22.40	22.40	22.40
3	QPSK	8	4	22.42	22.33	22.33	22.33	22.33	22.33
3	QPSK	8	7	22.48	22.32	22.38	22.38	22.38	22.38
3	QPSK	16	0	22.42	22.31	22.38	22.38	22.38	22.38
3	HQDM	1	0	22.45	22.35	22.38	22.38	22.38	22.38
3	HQDM	1	8	22.46	22.45	22.41	22.41	22.41	22.41
3	HQDM	1	16	22.40	22.39	22.43	22.43	22.43	22.43
3	HQDM	8	0	21.88	21.75	21.63	21.63	21.63	21.63
3	HQDM	8	4	21.83	21.72	21.71	21.71	21.71	21.71
3	HQDM	8	7	21.77	21.78	21.76	21.76	21.76	21.76
3	HQDM	16	0	21.79	21.72	21.73	21.73	21.73	21.73
3	HQDM	1	0	21.86	21.81	21.73	21.73	21.73	21.73
3	HQDM	1	8	21.98	21.73	21.85	21.85	21.85	21.85
3	HQDM	1	16	21.91	21.75	21.76	21.76	21.76	21.76
3	HQDM	8	0	20.86	20.67	20.67	20.67	20.67	20.67
3	HQDM	8	4	20.89	20.78	20.78	20.78	20.78	20.78
3	HQDM	8	7	20.85	20.67	20.77	20.77	20.77	20.77
3	HQDM	16	0	18.74	18.67	18.56	18.56	18.56	18.56
3	HQDM	1	8	18.81	18.84	18.62	18.62	18.62	18.62
3	HQDM	1	16	18.73	18.69	18.62	18.62	18.62	18.62
3	HQDM	8	0	18.83	18.92	18.70	18.70	18.70	18.70
3	HQDM	8	4	18.92	18.74	18.73	18.73	18.73	18.73
3	HQDM	8	7	18.92	18.77	18.76	18.76	18.76	18.76
3	HQDM	16	0	18.93	18.87	18.71	18.71	18.71	18.71
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.50	22.48	22.43	22.43	22.43	22.43
1.4	QPSK	1	3	22.40	22.30	22.38	22.38	22.38	22.38
1.4	QPSK	3	0	22.45	22.45	22.43	22.43	22.43	22.43
1.4	QPSK	3	3	22.42	22.42	22.42	22.42	22.42	22.42
1.4	QPSK	3	6	22.40	22.46	22.42	22.42	22.42	22.42
1.4	QPSK	8	0	22.48	22.47	22.48	22.48	22.48	22.48
1.4	HQDM	1	0	22.44	22.48	22.45	22.45	22.45	22.45
1.4	HQDM	1	3	22.45	22.48	22.48	22.48	22.48	22.48
1.4	HQDM	1	6	22.42	22.41	22.41	22.41	22.41	22.41
1.4	HQDM	3	0	22.42	22.36	22.36	22.36	22.36	22.36
1.4	HQDM	3	3	22.46	22.38	22.38	22.38	22.38	22.38
1.4	HQDM	3	6	22.48	22.39	22.39	22.39	22.39	22.39
1.4	HQDM	8	0	21.90	21.85	21.84	21.84	21.84	21.84
1.4	HQDM	1	0	21.86	21.78	21.71	21.71	21.71	21.71
1.4	HQDM	1	3	21.98	21.86	21.86	21.86	21.86	21.86
1.4	HQDM	1	6	21.91	21.77	21.80	21.80	21.80	21.80
1.4	HQDM	3	0	20.88	20.68	20.68	20.68	20.68	20.68
1.4	HQDM	3	3	18.95	18.73	18.76	18.76	18.76	18.76
1.4	HQDM	3	6	18.95	18.81	18.81	18.81	18.81	18.81
1.4	HQDM	1	0	18.88	18.80	18.73	18.73	18.73	18.73
1.4	HQDM	1	3	18.92	18.78	18.71	18.71	18.71	18.71
1.4	HQDM	1	6	18.94	18.77	18.78	18.78	18.78	18.78
1.4	HQDM	3	0	18.92					

Band 25_Ant 0											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Power Peak Ch / Freq	Power Peak Ch / Freq	Time-slot (ms)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.23	22.20	22.21				23.8	
20	QPSK	1	49	22.26	22.26	22.22					
20	QPSK	1	99	22.22	22.24	22.21					
20	QPSK	50	0	22.47	22.34	22.29					
20	QPSK	50	24	22.50	22.37	22.35				23.7	
20	QPSK	50	50	22.45	22.37	22.33					
20	WQAM	1	0	22.41	22.44	22.43					
20	WQAM	1	49	22.42	22.50	22.50					
20	WQAM	50	0	21.84	21.72	21.70				22.7	
20	WQAM	50	24	21.87	21.77	21.74					
20	WQAM	50	50	21.84	21.74	21.74					
20	WQAM	100	0	21.82	21.72	21.71					
20	WQAM	1	0	21.87	21.79	21.71				21.7	
20	WQAM	1	49	21.86	21.86	21.86					
20	WQAM	50	0	20.88	20.79	20.72					
20	WQAM	50	24	20.85	20.76	20.76					
20	WQAM	50	50	20.84	20.73	20.74				19.7	
20	WQAM	100	0	20.82	20.71	20.72					
20	WQAM	1	0	18.79	18.70	18.69					
20	WQAM	1	49	18.90	18.84	18.75					
20	WQAM	1	99	18.84	18.76	18.75				21.7	
20	WQAM	50	0	18.85	18.99	18.77					
20	WQAM	50	24	18.90	18.79	18.77					
20	WQAM	50	50	18.92	18.81	18.79					
20	WQAM	100	0	18.92	18.79	18.77				23.8	
Channel											
Frequency (MHz)											
18	QPSK	1	0	22.49	22.52	22.52					23.7
18	QPSK	1	37	22.40	22.25	22.38					
18	QPSK	24	74	22.44	22.50	22.52					
18	QPSK	36	0	22.38	22.34	22.32					
18	QPSK	36	26	22.50	22.38	22.33				22.7	
18	QPSK	36	36	22.44	22.28	22.34					
18	QPSK	75	0	22.37	22.31	22.33					
18	WQAM	1	0	22.41	22.35	22.40					
18	WQAM	1	37	22.53	22.41	22.43				21.7	
18	WQAM	1	74	22.38	22.36	22.34					
18	WQAM	36	0	21.79	21.62	21.69					
18	WQAM	36	26	21.84	21.70	21.64					
18	WQAM	36	36	21.75	21.68	21.65				22.7	
18	WQAM	75	0	21.76	21.62	21.62					
18	WQAM	1	0	21.83	21.73	21.68					
18	WQAM	1	37	21.85	21.81	21.83					
18	WQAM	1	74	21.86	21.78	21.67				22.7	
18	WQAM	36	0	20.83	20.84	20.83					
18	WQAM	36	26	20.86	20.72	20.68					
18	WQAM	36	36	20.82	20.70	20.74					
18	WQAM	75	0	20.78	20.85	20.85				19.7	
18	WQAM	1	0	18.78	18.84	18.75					
18	WQAM	1	37	18.86	18.84	18.75					
18	WQAM	1	74	18.81	18.70	18.72					
18	WQAM	36	0	18.82	18.86	18.73				23.8	
18	WQAM	36	26	18.91	18.72	18.74					
18	WQAM	36	36	18.89	18.77	18.79					
18	WQAM	75	0	18.83	18.77	18.71					
Channel											
Frequency (MHz)											
16	QPSK	1	0	22.46	22.41	22.35				23.7	
16	QPSK	1	25	22.55	22.55	22.53					
16	QPSK	1	49	22.37	22.33	22.32					
16	QPSK	24	0	22.44	22.52	22.52					
16	QPSK	25	12	22.42	22.33	22.30				23.7	
16	QPSK	25	25	22.45	22.33	22.32					
16	QPSK	50	0	22.43	22.34	22.24					
16	WQAM	1	0	22.39	22.43	22.41					
16	WQAM	1	25	22.36	22.49	22.49				22.7	
16	WQAM	1	49	22.45	22.38	22.31					
16	WQAM	25	0	21.82	21.83	21.85					
16	WQAM	25	12	21.86	21.77	21.68					
16	WQAM	25	25	21.83	21.69	21.66				21.7	
16	WQAM	50	0	21.74	21.70	21.67					
16	WQAM	1	0	21.80	21.75	21.68					
16	WQAM	1	25	21.92	21.78	21.79					
16	WQAM	1	49	21.83	21.77	21.64				21.7	
16	WQAM	25	0	20.83	20.72	20.62					
16	WQAM	25	12	20.81	20.88	20.72					
16	WQAM	25	25	20.81	20.70	20.73					
16	WQAM	50	0	20.74	20.84	20.70				19.7	
16	WQAM	1	0	18.72	18.83	18.84					
16	WQAM	1	25	18.80	18.80	18.73					
16	WQAM	1	49	18.76	18.70	18.66					
16	WQAM	25	0	18.78	18.96	18.76				23.8	
16	WQAM	25	12	18.90	18.70	18.68					
16	WQAM	25	25	18.83	18.72	18.79					
16	WQAM	50	0	18.87	18.79	18.73					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.39	22.35	22.31				23.8	
5	QPSK	1	12	22.37	22.26	22.45					
5	QPSK	1	24	22.36	22.53	22.53					
5	QPSK	12	0	22.43	22.50	22.50					
5	QPSK	12	12	22.47	22.34	22.33				23.7	
5	QPSK	12	13	22.43	22.30	22.30					
5	QPSK	25	0	22.34	22.31	22.31					
5	WQAM	1	0	22.41	22.34	22.40					
5	WQAM	1	12	22.38	22.48	22.44				23.7	
5	WQAM	1	24	22.42	22.30	22.28					
5	WQAM	12	0	21.83	21.62	21.65					
5	WQAM	12	7	21.77	21.74	21.84					
5	WQAM	12	13	21.76	21.73	21.84				22.7	
5	WQAM	25	0	21.80	21.62	21.62					
5	WQAM	1	0	21.77	21.75	21.88					
5	WQAM	1	12	21.80	21.79	21.81					
5	WQAM	1	24	21.81	21.78	21.65				21.7	
5	WQAM	12	0	20.86	20.70	20.70					
5	WQAM	12	7	20.84	20.76	20.68					
5	WQAM	12	13	20.77	20.72	20.67					
5	WQAM	25	0	20.76	20.66	20.72				19.7	
5	WQAM	25	0	18.69	18.62	18.68					
5	WQAM	1	12	18.86	18.77	18.72					
5	WQAM	1	24	18.75	18.71	18.75					
5	WQAM	12	0	18.79	18.68	18.68				23.8	
5	WQAM	12	7	18.96	18.70	18.71					
5	WQAM	12	13	18.82	18.72	18.74					
5	WQAM	25	0	18.86	18.69	18.67					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.43	22.37	22.35				23.8	
3	QPSK	1	8	22.33	22.51	22.57					
3	QPSK	14	0	22.44	22.36	22.32					
3	QPSK	8	0	22.44	22.44	22.45					
3	QPSK	8	4	22.35	22.33	22.30				23.7	
3	QPSK	8	7	22.43	22.37	22.28					
3	QPSK	16	0	22.43	22.32	22.28					
3	WQAM	1	0	22.36	22.37	22.36					
3	WQAM	1	8	22.37	22.43	22.40				22.7	
3	WQAM	1	14	22.43	22.33	22.28					
3	WQAM	8	0	21.86	21.75	21.81					
3	WQAM	8	4	21.80	21.73	21.68					
3	WQAM	8	7	21.81	21.68	21.72				22.7	
3	WQAM	16	0	21.81	21.67	21.63					
3	WQAM	1	0	21.85	21.71	21.63					
3	WQAM	1	8	21.89	21.78	21.79					
3	WQAM	1	14	21.86	21.69	21.72				21.7	
3	WQAM	8	0	20.77	20.71	20.63					
3	WQAM	8	4	20.85	20.73	20.70					
3	WQAM	8	7	20.77	20.72	20.65					
3	WQAM	16	0	20.76	20.82	20.65				19.7	
3	WQAM	1	0	18.69	18.65	18.68					
3	WQAM	1	8	18.89	18.75	18.68					
3	WQAM	1	14	18.81	18.70	18.74					
3	WQAM	8	0	18.84	18.68	18.75				19.7	
3	WQAM	8	4	18.90	18.76	18.68					
3	WQAM	8	7	18.92	18.84	18.73					
3	WQAM	16	0	18.92	18.82	18.86					
3	WQAM	3	3	18.94	18.83	18.69				23.8	
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.44	22.42	22.37					23.8
1.4	QPSK	1	3	22.41	22.25	22.25					
1.4	QPSK	3	0	22.43	22.53	22.53					
1.4	QPSK	3	3	22.53	22.47	22.37					
1.4	QPSK	3	6	22.47	22.37	22.32				23.7	
1.4	QPSK	3	9	22.43	22.34	22.29					
1.4	QPSK	6	0	22.33	22.41	22.35					
1.4	WQAM	1	0	22.41	22.44	22.38					
1.4	WQAM	1	3	22.47	22.37	22.32				22.7	
1.4	WQAM	1	6	22.42	22.32	22.24					
1.4	WQAM	3	0	22.47	22.32	22.24					
1.4	WQAM	3	3	22.47	22.34	22.27					
1.4	WQAM	1	0	21.90	21.71	21.64				22.7	
1.4	WQAM	1	3	21.86	21.73	21.66					
1.4	WQAM	1	6	21.87	21.81	21.71					
1.4	WQAM	1	9	21.84	21.74	21.67					
1.4	WQAM	3	0	21.81	20.68	20.60				21.7	
1.4	WQAM	3	3	18.87	18.73	18.71					
1.4	WQAM	3	6	18.90	18.73	18.72					

Band 2_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Time-to- sync (ms)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.33	22.30	22.30	22.30	22.30	22.5	
20	QPSK	1	49	22.40	22.36	22.36	22.36	22.36		
20	QPSK	1	99	22.31	22.30	22.31	22.31	22.31		
20	QPSK	50	0	22.50	22.46	22.46	22.46	22.46		
20	QPSK	50	24	22.44	22.38	22.38	22.38	22.38		
20	QPSK	50	50	22.49	22.46	22.46	22.46	22.46	22.5	
20	QPSK	100	0	22.47	22.36	22.36	22.36	22.36		
20	HQDM	1	0	22.45	22.45	22.38	22.38	22.38		
20	HQDM	1	49	22.46	22.50	22.44	22.44	22.44		
20	HQDM	1	99	22.47	22.46	22.46	22.46	22.46		
20	HQDM	50	0	21.88	21.77	21.71	21.71	21.71	22	
20	HQDM	50	24	21.91	21.81	21.78	21.78	21.78		
20	HQDM	50	50	21.97	21.78	21.74	21.74	21.74		
20	HQDM	100	0	21.86	21.77	21.74	21.74	21.74		
20	HQDM	1	0	21.91	21.91	21.74	21.74	21.74		
20	HQDM	1	49	21.96	21.96	21.91	21.91	21.91	21	
20	HQDM	1	99	21.99	21.90	21.85	21.85	21.85		
20	HQDM	50	0	20.88	20.75	20.71	20.71	20.71		
20	HQDM	50	24	20.92	20.85	20.85	20.85	20.85		
20	HQDM	50	50	20.87	20.77	20.80	20.80	20.80		
20	HQDM	100	0	20.87	20.75	20.75	20.75	20.75	19	
20	HQDM	1	0	18.78	18.73	18.61	18.61	18.61		
20	HQDM	1	49	18.91	18.89	18.70	18.70	18.70		
20	HQDM	1	99	18.84	18.78	18.68	18.68	18.68		
20	HQDM	50	0	18.91	18.80	18.78	18.78	18.78		
20	HQDM	50	24	19.00	18.79	18.82	18.82	18.82	19	
20	HQDM	50	50	18.99	18.79	18.83	18.83	18.83		
20	HQDM	100	0	18.95	18.87	18.71	18.71	18.71		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.45	22.44	22.27	22.27	22.27	22.5	
15	QPSK	1	37	22.41	22.40	22.45	22.45	22.45		
15	QPSK	1	74	22.48	22.41	22.43	22.43	22.43		
15	QPSK	30	0	22.43	22.32	22.34	22.34	22.34		
15	QPSK	30	20	22.39	22.32	22.38	22.38	22.38		
15	QPSK	30	39	22.44	22.35	22.33	22.33	22.33	22.5	
15	QPSK	70	0	22.47	22.32	22.30	22.30	22.30		
15	HQDM	1	0	22.39	22.36	22.27	22.27	22.27		
15	HQDM	1	37	22.45	22.45	22.43	22.43	22.43		
15	HQDM	1	74	22.40	22.39	22.42	22.42	22.42		
15	HQDM	30	0	21.88	21.70	21.68	21.68	21.68	22	
15	HQDM	30	20	21.82	21.74	21.75	21.75	21.75		
15	HQDM	30	39	21.83	21.73	21.74	21.74	21.74		
15	HQDM	70	0	21.78	21.69	21.66	21.66	21.66		
15	HQDM	1	0	21.89	21.89	21.74	21.74	21.74		
15	HQDM	1	37	22.10	21.81	21.85	21.85	21.85	21	
15	HQDM	1	74	21.91	21.76	21.70	21.70	21.70		
15	HQDM	30	0	20.81	20.68	20.69	20.69	20.69		
15	HQDM	30	20	20.80	20.76	20.77	20.77	20.77		
15	HQDM	30	39	20.81	20.73	20.80	20.80	20.80		
15	HQDM	70	0	20.79	20.73	20.75	20.75	20.75	19	
15	HQDM	1	0	18.77	18.68	18.51	18.51	18.51		
15	HQDM	1	25	18.88	18.88	18.68	18.68	18.68		
15	HQDM	1	49	18.90	18.78	18.68	18.68	18.68		
15	HQDM	25	0	18.88	18.97	18.74	18.74	18.74		
15	HQDM	25	12	18.93	18.77	18.76	18.76	18.76	19	
15	HQDM	25	25	18.94	18.73	18.82	18.82	18.82		
15	HQDM	50	0	18.95	18.85	18.76	18.76	18.76		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.34	22.35	22.35	22.35	22.35	22.5	
5	QPSK	1	19	22.33	22.35	22.33	22.33	22.33		
5	QPSK	1	24	22.33	22.30	22.35	22.35	22.35		
5	QPSK	12	0	22.49	22.33	22.37	22.37	22.37		
5	QPSK	12	7	22.35	22.32	22.33	22.33	22.33		
5	QPSK	12	13	22.41	22.31	22.34	22.34	22.34	22.5	
5	QPSK	25	0	22.45	22.32	22.32	22.32	22.32		
5	HQDM	1	0	22.44	22.35	22.35	22.35	22.35		
5	HQDM	1	12	22.43	22.42	22.43	22.43	22.43		
5	HQDM	1	24	22.48	22.42	22.45	22.45	22.45		
5	HQDM	12	0	21.85	21.69	21.70	21.70	21.70	22	
5	HQDM	12	7	21.86	21.79	21.78	21.78	21.78		
5	HQDM	12	13	21.84	21.74	21.66	21.66	21.66		
5	HQDM	25	0	21.82	21.69	21.68	21.68	21.68		
5	HQDM	1	0	21.81	21.87	21.65	21.65	21.65		
5	HQDM	1	12	21.98	21.90	21.83	21.83	21.83	22	
5	HQDM	1	24	21.96	21.72	21.85	21.85	21.85		
5	HQDM	12	0	20.80	20.70	20.64	20.64	20.64		
5	HQDM	12	7	20.85	20.80	20.73	20.73	20.73		
5	HQDM	12	13	20.87	20.70	20.72	20.72	20.72		
5	HQDM	25	0	20.88	20.77	20.73	20.73	20.73	21	
5	HQDM	25	0	18.75	18.70	18.61	18.61	18.61		
5	HQDM	1	0	18.75	18.68	18.51	18.51	18.51		
5	HQDM	1	12	18.88	18.83	18.61	18.61	18.61		
5	HQDM	1	24	18.74	18.74	18.61	18.61	18.61		
5	HQDM	12	0	18.91	18.92	18.74	18.74	18.74	19	
5	HQDM	12	7	18.99	18.72	18.81	18.81	18.81		
5	HQDM	12	13	18.90	18.76	18.73	18.73	18.73		
5	HQDM	25	0	18.90	18.87	18.61	18.61	18.61		
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.30	22.33	22.35	22.35	22.35	22.5	
3	QPSK	1	8	22.37	22.33	22.35	22.35	22.35		
3	QPSK	14	0	22.31	22.35	22.34	22.34	22.34		
3	QPSK	8	0	22.50	22.31	22.40	22.40	22.40		
3	QPSK	8	4	22.42	22.33	22.33	22.33	22.33		
3	QPSK	8	7	22.48	22.32	22.38	22.38	22.38	22.5	
3	QPSK	10	0	22.42	22					

Band 25_Ant 0											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Power Peak Ch / Freq	Power Peak Ch / Freq	Time-to- live (ms)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.33	22.30	22.31				22.5	
20	QPSK	1	49	22.36	22.30	22.32					
20	QPSK	1	99	22.32	22.34	22.31					
20	QPSK	50	0	22.47	22.34	22.29					
20	QPSK	50	24	22.50	22.37	22.35				22.5	
20	QPSK	50	50	22.45	22.37	22.33					
20	HQAM	1	0	22.41	22.44	22.43					
20	HQAM	1	49	22.42	22.50	22.50					
20	HQAM	50	0	21.84	21.72	21.70				22	
20	HQAM	50	24	21.87	21.77	21.74					
20	HQAM	50	50	21.84	21.74	21.74					
20	HQAM	100	0	21.82	21.72	21.71					
20	HQAM	1	0	21.87	21.79	21.71				22	
20	HQAM	1	49	21.86	21.86	21.86					
20	HQAM	50	0	20.88	20.79	20.72					
20	HQAM	50	24	20.85	20.76	20.76					
20	HQAM	50	50	20.84	20.73	20.74				19	
20	HQAM	100	0	20.82	20.71	20.72					
20	SSBQAM	1	0	18.79	18.70	18.63					
20	SSBQAM	1	49	18.79	18.70	18.63					
20	SSBQAM	50	0	18.85	18.99	18.77					
20	SSBQAM	50	24	18.90	18.79	18.77				19	
20	SSBQAM	50	50	18.92	18.81	18.79					
20	SSBQAM	100	0	18.92	18.79	18.77					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.49	22.32	22.23				22.5	
15	QPSK	1	37	22.40	22.25	22.38					
15	QPSK	1	74	22.44	22.30	22.32					
15	QPSK	36	0	22.38	22.34	22.32					
15	QPSK	36	26	22.50	22.38	22.33				22.5	
15	QPSK	36	36	22.44	22.28	22.34					
15	QPSK	75	0	22.37	22.31	22.33					
15	HQAM	1	0	22.41	22.35	22.40					
15	HQAM	1	37	22.33	22.41	22.43				22.5	
15	HQAM	1	74	22.38	22.36	22.34					
15	HQAM	36	0	21.79	21.62	21.69					
15	HQAM	36	26	21.84	21.70	21.64					
15	HQAM	36	39	21.75	21.68	21.65				22	
15	HQAM	75	0	21.76	21.62	21.62					
15	HQAM	1	0	21.83	21.73	21.68					
15	HQAM	1	37	21.85	21.81	21.83					
15	HQAM	1	74	21.86	21.78	21.71				21	
15	HQAM	36	0	20.83	20.84	20.83					
15	HQAM	36	26	20.86	20.72	20.68					
15	HQAM	36	39	20.82	20.70	20.74					
15	HQAM	75	0	20.78	20.85	20.85				19	
15	SSBQAM	1	0	18.78	18.81	18.81					
15	SSBQAM	1	37	18.86	18.84	18.75					
15	SSBQAM	1	74	18.81	18.70	18.72					
15	SSBQAM	36	0	18.82	18.86	18.73				19	
15	SSBQAM	36	26	18.91	18.72	18.74					
15	SSBQAM	36	39	18.89	18.77	18.79					
15	SSBQAM	75	0	18.83	18.77	18.71					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.46	22.41	22.35				22.5	
10	QPSK	1	12	22.37	22.32	22.45					
10	QPSK	1	49	22.37	22.33	22.32					
10	QPSK	25	12	22.42	22.33	22.30					
10	QPSK	25	25	22.45	22.33	22.32				22.5	
10	QPSK	50	0	22.43	22.34	22.24					
10	HQAM	1	0	22.39	22.43	22.41					
10	HQAM	1	25	22.36	22.49	22.49					
10	HQAM	1	49	22.45	22.38	22.21				22.5	
10	HQAM	25	0	21.82	21.83	21.85					
10	HQAM	25	12	21.86	21.77	21.68					
10	HQAM	25	25	21.83	21.69	21.66					
10	HQAM	50	0	21.74	21.70	21.67				22	
10	HQAM	1	0	21.80	21.76	21.68					
10	HQAM	1	25	21.92	21.78	21.79					
10	HQAM	1	49	21.83	21.77	21.64					
10	HQAM	25	0	20.83	20.72	20.72				21	
10	HQAM	25	12	20.81	20.88	20.73					
10	HQAM	25	25	20.81	20.70	20.73					
10	HQAM	50	0	20.74	20.84	20.70					
10	SSBQAM	1	0	18.72	18.83	18.84				19	
10	SSBQAM	1	25	18.76	18.80	18.76					
10	SSBQAM	1	49	18.76	18.70	18.66					
10	SSBQAM	25	0	18.78	18.96	18.76					
10	SSBQAM	25	12	18.90	18.70	18.66				19	
10	SSBQAM	25	25	18.83	18.72	18.79					
10	SSBQAM	50	0	18.87	18.79	18.73					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.39	22.35	22.31				22.5	
5	QPSK	1	12	22.37	22.30	22.45					
5	QPSK	1	24	22.41	22.36	22.32					
5	QPSK	12	0	22.43	22.32	22.32					
5	QPSK	12	13	22.43	22.30	22.30				22.5	
5	QPSK	25	0	22.34	22.31	22.31					
5	HQAM	1	0	22.41	22.34	22.40					
5	HQAM	1	12	22.38	22.48	22.44					
5	HQAM	1	24	22.42	22.30	22.28				22.5	
5	HQAM	12	0	21.83	21.62	21.65					
5	HQAM	12	7	21.77	21.74	21.84					
5	HQAM	12	13	21.76	21.73	21.84					
5	HQAM	25	0	21.80	21.62	21.62				22	
5	HQAM	1	0	21.77	21.75	21.88					
5	HQAM	1	12	21.90	21.79	21.81					
5	HQAM	1	24	21.81	21.78	21.65					
5	HQAM	12	0	20.86	20.70	20.70				21	
5	HQAM	12	7	20.84	20.76	20.68					
5	HQAM	12	13	20.77	20.72	20.67					
5	HQAM	25	0	20.76	20.66	20.72					
5	SSBQAM	1	0	18.69	18.62	18.68				19	
5	SSBQAM	1	12	18.86	18.77	18.72					
5	SSBQAM	1	24	18.75	18.71	18.75					
5	SSBQAM	12	0	18.79	18.68	18.68					
5	SSBQAM	12	7	18.96	18.70	18.71				19	
5	SSBQAM	12	13	18.82	18.72	18.74					
5	SSBQAM	25	0	18.86	18.69	18.67					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.43	22.37	22.35				22.5	
3	QPSK	1	8	22.33	22.31	22.37					
3	QPSK	14	0	22.44	22.36	22.32					
3	QPSK	8	0	22.44	22.44	22.45					
3	QPSK	8	4	22.35	22.33	22.35				22.5	
3	QPSK	8	7	22.43	22.37	22.28					
3	QPSK	16	0	22.43	22.32	22.28					
3	HQAM	1	0	22.36	22.37	22.36					
3	HQAM	1	8	22.37	22.43	22.40				22.5	
3	HQAM	1	14	22.43	22.33	22.28					
3	HQAM	8	0	21.86	21.75	21.81					
3	HQAM	8	4	21.80	21.73	21.68					
3	HQAM	8	7	21.81	21.68	21.72				22	
3	HQAM	16	0	21.81	21.67	21.63					
3	HQAM	1	0	21.85	21.71	21.63					
3	HQAM	1	8	21.89	21.78	21.79					
3	HQAM	8	14	21.86	21.69	21.72				21	
3	HQAM	8	0	20.77	20.71	20.63					
3	HQAM	8	4	20.85	20.73	20.70					
3	HQAM	8	7	20.77	20.72	20.65					
3	HQAM	16	0	20.76	20.82	20.65				19	
3	SSBQAM	1	0	18.69	18.65	18.68					
3	SSBQAM	1	8	18.89	18.75	18.68					
3	SSBQAM	1	14	18.86	18.70	18.74					
3	SSBQAM	8	0	18.90	18.76	18.68					
3	SSBQAM	8	4	18.92	18.84	18.73				19	
3	SSBQAM	8	7	18.92	18.82	18.74					
3	SSBQAM	16	0	18.83	18.76	18.63					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.44	22.42	22.37				22.5	
1.4	QPSK	1	3	22.41	22.25	22.25					
1.4	QPSK	3	0	22.43	22.32	22.32					
1.4	QPSK	3	3	22.53	22.47	22.37					
1.4	QPSK	3	6	22.45	22.33	22.32				22.5	
1.4	QPSK	3	9	22.43	22.34	22.33					
1.4	QPSK	6	0	22.33	22.47	22.35					
1.4	HQAM	1	0	22.41	22.44	22.38					
1.4	HQAM	1	3	22.42	22.36	22.35				22.5	
1.4	HQAM	1	6	22.44	22.32	22.24					
1.4	HQAM	3	0	22.47	22.32	22.24					
1.4	HQAM	3	3	22.47	22.31	22.26					
1.4	HQAM	3	6	22.47	22.36	22.32				22	
1.4	HQAM	3	9	22.47	22.34	22.27					
1.4	HQAM	6	0	22.47	22.34	22.27					
1.4	HQAM	1	0	21.99	21.84	21.77					
1.4	HQAM	1	3	21.96	21.71	21.64				22	
1.4	HQAM	1	6	21.92	21.74	21.67					
1.4	HQAM	1	9	21.87	21.61	21.71					
1.4	HQAM	1	12	21.84	21.74	21.67					
1.4	HQAM	3	0	21.81	20.66	20.60				21	
1.4	SSBQAM	1	0	18.87	18.73	18.71					
1.4	SSBQAM	1	3	18.90	18.73	18.72					
1.4	SSBQAM	1	6	18.92	18.84	18.73					
1.4	SSBQAM	3									

Band 38 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Time-up limit [frames]
Channel				37800	38000	38100	
Frequency [MHz]				2877.5	2890	2915	
20	QPSK	1	0	28.00	28.05	28.09	26.8
20	QPSK	1	46	28.11	28.16	28.23	
20	QPSK	1	92	28.03	28.08	28.12	
20	QPSK	80	0	28.12	28.15	28.19	
20	QPSK	50	24	28.15	28.18	28.25	25.8
20	QPSK	80	46	28.12	28.17	28.24	
20	QPSK	100	0	28.15	28.19	28.24	
20	QPSK	100	0	28.15	28.19	28.24	
20	16QAM	1	0	28.50	28.58	28.68	25.8
20	16QAM	1	46	28.59	28.67	28.75	
20	16QAM	1	92	28.18	28.59	28.59	
20	16QAM	80	0	28.18	28.41	28.41	
20	16QAM	80	24	28.19	28.41	28.51	24.8
20	16QAM	50	50	28.22	28.24	28.29	
20	16QAM	100	0	28.24	28.26	28.29	
20	16QAM	1	0	28.20	28.26	28.30	
20	64QAM	1	46	28.14	28.24	28.21	24.8
20	64QAM	1	92	28.19	28.24	28.29	
20	64QAM	50	0	28.17	28.22	28.25	
20	64QAM	80	24	28.16	28.24	28.28	
20	64QAM	80	50	28.19	28.25	28.25	23.8
20	64QAM	100	0	28.21	28.24	28.28	
20	256QAM	0	0	28.13	28.13	28.14	
20	256QAM	1	46	28.58	28.62	28.63	
20	256QAM	1	92	28.08	28.07	28.09	21.8
20	256QAM	80	0	28.32	28.38	28.40	
20	256QAM	50	24	28.33	28.38	28.37	
20	256QAM	80	46	28.30	28.31	28.34	
20	256QAM	100	0	28.24	28.27	28.29	21.8
Channel				37800	38000	38100	
Frequency [MHz]				2877.5	2890	2915	
15	QPSK	1	0	28.16	28.08	28.08	26.8
15	QPSK	1	37	28.12	28.09	28.12	
15	QPSK	1	74	28.14	28.13	28.14	
15	QPSK	36	0	28.24	28.22	28.23	
15	QPSK	36	26	28.25	28.24	28.24	25.8
15	QPSK	36	36	28.24	28.26	28.25	
15	QPSK	75	0	28.28	28.24	28.23	
15	16QAM	1	0	28.58	28.57	28.58	
15	16QAM	1	37	28.59	28.22	28.60	25.8
15	16QAM	1	74	28.61	28.53	28.58	
15	16QAM	36	0	28.25	28.25	28.25	
15	16QAM	36	20	28.26	28.23	28.27	
15	16QAM	36	36	28.26	28.22	28.28	24.8
15	16QAM	75	0	28.26	28.26	28.28	
15	64QAM	1	0	28.28	28.29	28.24	
15	64QAM	1	37	28.16	28.13	28.28	
15	64QAM	1	74	28.31	28.27	28.30	23.8
15	64QAM	36	0	28.30	28.29	28.25	
15	64QAM	36	20	28.27	28.25	28.28	
15	64QAM	36	39	28.29	28.28	28.28	
15	64QAM	75	0	28.23	28.24	28.27	21.8
15	256QAM	1	0	28.11	28.21	28.27	
15	256QAM	1	37	28.36	28.36	28.36	
15	256QAM	1	74	28.07	28.15	28.05	
15	256QAM	36	0	28.27	28.33	28.28	21.8
15	256QAM	36	26	28.34	28.30	28.25	
15	256QAM	36	39	28.25	28.28	28.22	
15	256QAM	75	0	28.27	28.26	28.27	
Channel				37775	38000	38025	
Frequency [MHz]				2875	2890	2915	
10	QPSK	1	0	28.17	28.17	28.17	26.8
10	QPSK	1	25	28.19	28.15	28.22	
10	QPSK	1	49	28.17	28.15	28.19	
10	QPSK	25	0	28.29	28.30	28.34	
10	QPSK	25	12	28.31	28.27	28.33	25.8
10	QPSK	25	25	28.32	28.31	28.37	
10	QPSK	80	0	28.29	28.27	28.28	
10	16QAM	1	0	28.62	28.68	28.64	
10	16QAM	1	26	28.66	28.68	28.57	25.8
10	16QAM	1	49	28.65	28.64	28.69	
10	16QAM	25	0	28.36	28.33	28.40	
10	16QAM	25	12	28.38	28.39	28.41	
10	16QAM	25	25	28.39	28.37	28.42	24.8
10	16QAM	80	0	28.31	28.30	28.34	
10	64QAM	1	0	28.26	28.33	28.42	
10	64QAM	1	25	28.30	28.39	28.36	
10	64QAM	1	49	28.29	28.29	28.31	23.8
10	64QAM	25	0	28.30	28.33	28.40	
10	64QAM	25	12	28.32	28.29	28.36	
10	64QAM	25	24	28.36	28.34	28.41	
10	64QAM	50	0	28.33	28.31	28.35	21.8
10	256QAM	1	0	28.14	28.09	28.23	
10	256QAM	1	25	28.08	28.06	28.07	
10	256QAM	1	49	28.08	28.06	28.07	
10	256QAM	25	0	28.38	28.38	28.40	
10	256QAM	25	12	28.32	28.34	28.34	21.8
10	256QAM	25	25	28.34	28.33	28.32	
10	256QAM	50	0	28.36	28.35	28.34	
Channel				37775	38000	38025	
Frequency [MHz]				2875	2890	2915	
5	QPSK	1	0	28.17	28.16	28.16	26.8
5	QPSK	1	12	28.05	28.05	28.11	
5	QPSK	1	24	28.19	28.17	28.21	
5	QPSK	12	0	28.28	28.28	28.30	
5	QPSK	12	7	28.28	28.28	28.28	25.8
5	QPSK	12	13	28.28	28.27	28.31	
5	QPSK	25	0	28.32	28.29	28.34	
5	16QAM	1	0	28.53	28.53	28.57	25.8
5	16QAM	1	12	28.51	28.51	28.60	
5	16QAM	1	24	28.72	28.65	28.68	
5	16QAM	12	0	28.31	28.28	28.39	
5	16QAM	12	7	28.27	28.27	28.34	24.8
5	16QAM	12	14	28.34	28.29	28.31	
5	16QAM	25	0	28.41	28.35	28.39	
5	64QAM	1	0	28.35	28.34	28.21	
5	64QAM	1	12	28.14	28.08	28.21	24.8
5	64QAM	1	24	28.23	28.22	28.24	
5	64QAM	12	0	28.35	28.28	28.31	
5	64QAM	12	7	28.35	28.33	28.40	
5	64QAM	12	13	28.36	28.33	28.41	23.8
5	64QAM	25	0	28.32	28.33	28.38	
5	256QAM	1	0	28.20	28.19	28.15	
5	256QAM	1	12	28.02	28.17	28.14	
5	256QAM	1	24	28.08	28.14	28.07	21.8
5	256QAM	12	0	28.34	28.38	28.37	
5	256QAM	12	7	28.30	28.34	28.33	
5	256QAM	12	13	28.34	28.37	28.39	
5	256QAM	25	0	28.39	28.34	28.37	

Band 38 PC3_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Time-up limit [dBm]		
Channel				3780G	3800G	3810G			
Frequency [MHz]				23.10	23.06	23.14			
20	QPSK	1	0	23.13	23.10	23.14	23.8		
20	QPSK	1	46	23.08	23.08	23.08			
20	QPSK	1	92	23.11	23.10	23.12			
20	QPSK	80	0	23.16	23.14	23.15	22.8		
20	QPSK	80	24	22.18	22.17	22.17			
20	QPSK	80	46	22.17	22.16	22.16			
20	QPSK	160	0	22.19	22.19	22.19	22.8		
20	16QAM	1	0	22.21	22.20	22.20			
20	16QAM	1	46	22.18	22.17	22.18			
20	16QAM	80	0	21.16	21.15	21.16	21.8		
20	16QAM	80	24	21.18	21.17	21.17			
20	16QAM	80	50	21.18	21.18	21.19			
20	16QAM	160	0	21.19	21.18	21.19	21.8		
20	64QAM	1	0	21.00	21.04	21.00			
20	64QAM	1	46	21.20	21.04	21.00			
20	64QAM	80	0	20.16	20.14	20.15	20.8		
20	64QAM	80	24	20.16	20.16	20.17			
20	64QAM	80	50	20.17	20.15	20.15			
20	64QAM	160	0	20.18	20.17	20.17	19.8		
20	256QAM	1	0	18.02	18.00	18.02			
20	256QAM	80	0	18.32	18.31	18.30			
20	256QAM	80	24	18.30	18.29	18.27	18.8		
20	256QAM	80	50	18.27	18.26	18.26			
20	256QAM	160	0	18.18	18.05	18.14			
Channel				3775G	3800G	3825G	Time-up limit [dBm]		
Frequency [MHz]				23.10	23.06	23.15			
15	QPSK	1	0	23.05	23.10	23.08	23.8		
15	QPSK	1	37	23.03	23.01	23.03			
15	QPSK	1	74	23.09	23.12	23.11			
15	QPSK	36	0	22.14	22.14	22.12	22.8		
15	QPSK	36	26	22.15	22.11	22.11			
15	QPSK	36	56	22.14	22.13	22.14			
15	QPSK	72	0	22.18	22.18	22.18	22.8		
15	16QAM	1	0	22.18	22.16	22.16			
15	16QAM	1	37	22.20	22.13	22.08			
15	16QAM	1	74	22.20	22.20	22.18	21.8		
15	16QAM	36	0	21.09	21.10	21.09			
15	16QAM	36	20	21.10	21.12	21.08			
15	16QAM	36	56	21.10	21.12	21.11	21.8		
15	16QAM	72	0	21.15	21.15	21.15			
15	64QAM	1	0	21.02	21.01	21.01			
15	64QAM	1	37	21.00	21.00	21.03	20.8		
15	64QAM	1	74	21.04	21.04	21.03			
15	64QAM	36	0	20.12	20.10	20.11			
15	64QAM	36	20	20.14	20.13	20.13	19.8		
15	64QAM	36	56	20.14	20.17	20.13			
15	64QAM	72	0	20.13	20.13	20.13			
15	256QAM	1	0	18.01	18.00	18.00	18.8		
15	256QAM	1	37	18.00	18.02	18.00			
15	256QAM	1	74	18.04	18.01	18.07			
15	256QAM	36	0	18.17	18.24	18.19	18.8		
15	256QAM	36	26	18.14	18.15	18.17			
15	256QAM	36	56	18.16	18.17	18.14			
15	256QAM	72	0	18.18	18.16	18.10			
Channel				3776G	3800G	3826G	Time-up limit [dBm]		
Frequency [MHz]				23.10	23.06	23.15			
10	QPSK	1	0	23.08	23.10	23.08	23.8		
10	QPSK	1	26	23.01	23.01	23.00			
10	QPSK	1	49	23.10	23.10	23.10			
10	QPSK	26	0	22.14	22.14	22.10	22.8		
10	QPSK	26	12	22.12	22.13	22.11			
10	QPSK	26	25	22.15	22.15	22.13			
10	QPSK	80	0	22.18	22.18	22.15	22.8		
10	16QAM	1	0	22.12	22.22	22.29			
10	16QAM	1	26	22.05	22.10	22.26			
10	16QAM	1	49	22.12	22.22	22.27	21.8		
10	16QAM	26	0	21.18	21.18	21.18			
10	16QAM	26	12	21.19	21.18	21.16			
10	16QAM	26	26	21.20	21.21	21.18	21.8		
10	16QAM	80	0	21.15	21.16	21.15			
10	64QAM	1	0	21.10	21.05	21.03			
10	64QAM	1	26	21.04	21.01	21.00	20.8		
10	64QAM	1	49	21.13	21.08	21.01			
10	64QAM	26	0	20.11	20.17	20.11			
10	64QAM	26	12	20.10	20.16	20.14	19.8		
10	64QAM	26	26	20.13	20.17	20.13			
10	64QAM	80	0	20.17	20.18	20.18			
10	256QAM	1	0	18.00	18.00	18.02	18.8		
10	256QAM	1	26	18.01	18.02	18.03			
10	256QAM	1	49	18.01	18.03	18.02			
10	256QAM	26	0	18.17	18.21	18.16	18.8		
10	256QAM	26	12	18.18	18.20	18.15			
10	256QAM	26	26	18.16	18.18	18.13			
10	256QAM	80	0	18.25	18.30	18.24			
Channel				3776G	3800G	3826G	Time-up limit [dBm]		
Frequency [MHz]				23.10	23.06	23.15			
5	QPSK	1	0	23.11	23.10	23.08	23.8		
5	QPSK	1	12	23.17	23.14	23.17			
5	QPSK	1	24	23.12	23.12	23.08			
5	QPSK	12	0	22.12	22.12	22.12	22.8		
5	QPSK	12	7	22.17	22.16	22.16			
5	QPSK	12	13	22.13	22.13	22.10			
5	QPSK	25	0	22.20	22.16	22.19	22.8		
5	16QAM	1	0	22.25	22.18	22.22			
5	16QAM	1	12	22.29	22.18	22.25			
5	16QAM	1	24	22.28	22.18	22.24	21.8		
5	16QAM	12	0	21.07	21.08	21.10			
5	16QAM	12	7	21.11	21.07	21.08			
5	16QAM	12	14	21.06	21.07	21.06	21.8		
5	16QAM	25	0	21.19	21.19	21.13			
5	64QAM	1	0	21.10	21.07	21.11	21.8		
5	64QAM	1	12	21.07	21.03	21.02			
5	64QAM	1	24	21.05	21.02	21.01			
5	64QAM	12	0	20.07	20.10	20.07	20.8		
5	64QAM	12	7	20.13	20.10	20.09			
5	64QAM	12	13	20.08	20.11	20.08			
5	64QAM	25	0	20.15	20.10	20.09	18.8		
5	256QAM	1	0	18.02	18.06	18.04			
5	256QAM	1	12	18.03	18.04	18.02			
5	256QAM	1	24	18.01	18.03	18.02	18.8		
5	256QAM	12	0	18.02	18.00	18.03			
5	256QAM	12	7	18.00	18.00	18.07			
5	256QAM	12	13	18.03	18.05	18.00	18.8		
5	256QAM	25	0	18.13	18.17	18.10			

Band 41 PC2_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Low Mid Ch. (Frac)	Power Low High Ch. (Frac)	Power High Ch. (Frac)	Power High Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)
Channel				39750	40165	40580	41000	41420	41840	
Frequency (MHz)				2570	25915	26130	26345	26560	26775	
20	QPSK	1	0	26.10	26.10	26.10	26.11	26.11	26.11	26.8
20	QPSK	1	40	26.19	26.12	26.13	26.08	26.08	26.08	26.8
20	QPSK	1	80	26.24	26.27	26.11	26.09	26.09	26.09	26.8
20	QPSK	50	0	26.31	26.25	26.24	26.20	26.19	26.18	26.8
20	QPSK	50	24	26.35	26.29	26.27	26.26	26.17	26.17	26.8
20	QPSK	50	48	26.39	26.36	26.20	26.27	26.16	26.16	26.8
20	QPSK	100	0	26.58	26.26	26.20	26.20	26.17	26.17	26.8
20	16QAM	1	0	26.58	26.26	26.26	26.26	26.26	26.26	26.8
20	16QAM	1	40	26.42	26.42	26.41	26.38	26.37	26.37	26.8
20	16QAM	1	80	26.62	26.34	26.30	26.46	26.36	26.36	26.8
20	16QAM	50	0	26.57	26.26	26.42	26.42	26.42	26.42	26.8
20	16QAM	50	24	26.25	26.32	26.31	26.25	26.15	26.15	26.8
20	16QAM	50	50	26.39	26.31	26.32	26.27	26.20	26.20	26.8
20	16QAM	100	0	26.35	26.35	26.32	26.27	26.23	26.23	26.8
20	64QAM	1	0	26.47	26.41	26.50	26.37	26.30	26.30	26.8
20	64QAM	1	40	26.51	26.42	26.45	26.37	26.32	26.32	26.8
20	64QAM	1	80	26.55	26.43	26.47	26.38	26.34	26.34	26.8
20	64QAM	50	0	26.35	26.25	26.28	26.23	26.23	26.23	26.8
20	64QAM	50	24	26.42	26.31	26.32	26.27	26.24	26.24	26.8
20	64QAM	50	50	26.45	26.32	26.33	26.25	26.21	26.21	26.8
20	64QAM	100	0	26.38	26.27	26.32	26.27	26.19	26.19	26.8
20	256QAM	1	0	27.14	27.08	27.23	27.00	27.00	27.00	27.8
20	256QAM	1	40	27.64	27.10	27.13	27.07	27.02	27.02	27.8
20	256QAM	1	80	27.66	27.18	27.18	27.05	27.00	27.00	27.8
20	256QAM	50	0	27.45	27.28	27.45	27.33	27.28	27.28	27.8
20	256QAM	50	24	27.48	27.26	27.41	27.32	27.30	27.30	27.8
20	256QAM	50	50	27.45	27.35	27.37	27.36	27.36	27.36	27.8
20	256QAM	100	0	27.37	27.21	27.34	27.27	27.23	27.23	27.8
Channel				39750	40173	40590	41000	41420	41840	
Frequency (MHz)				26935	26943	26960	26973	26990	27003	
15	QPSK	1	0	26.15	26.15	26.11	26.04	26.04	26.04	26.8
15	QPSK	1	40	26.19	26.10	26.10	26.06	26.06	26.06	26.8
15	QPSK	1	80	26.24	26.13	26.11	26.09	26.09	26.09	26.8
15	QPSK	50	0	26.33	26.25	26.26	26.22	26.18	26.18	26.8
15	QPSK	50	24	26.33	26.27	26.27	26.23	26.19	26.19	26.8
15	QPSK	50	48	26.38	26.27	26.26	26.26	26.18	26.18	26.8
15	QPSK	100	0	26.34	26.24	26.26	26.22	26.19	26.19	26.8
15	16QAM	1	0	26.72	26.06	26.60	26.06	26.01	26.01	26.8
15	16QAM	1	40	26.70	26.45	26.55	26.46	26.41	26.41	26.8
15	16QAM	1	80	26.80	26.63	26.70	26.59	26.50	26.50	26.8
15	16QAM	50	0	26.58	26.24	26.26	26.22	26.18	26.18	26.8
15	16QAM	50	24	26.37	26.22	26.27	26.21	26.23	26.23	26.8
15	16QAM	50	48	26.36	26.23	26.28	26.23	26.25	26.25	26.8
15	16QAM	100	0	26.37	26.24	26.28	26.25	26.22	26.22	26.8
15	64QAM	1	0	26.51	26.30	26.50	26.36	26.28	26.28	26.8
15	64QAM	1	40	26.60	26.41	26.48	26.23	26.40	26.40	26.8
15	64QAM	1	80	26.67	26.48	26.43	26.24	26.45	26.45	26.8
15	64QAM	50	0	26.34	26.23	26.26	26.21	26.19	26.19	26.8
15	64QAM	50	24	26.33	26.28	26.33	26.27	26.17	26.17	26.8
15	64QAM	50	48	26.38	26.28	26.33	26.27	26.17	26.17	26.8
15	64QAM	100	0	26.33	26.28	26.33	26.27	26.17	26.17	26.8
15	256QAM	1	0	27.02	27.00	27.02	27.00	27.00	27.00	27.8
15	256QAM	1	40	27.05	27.16	27.05	27.05	27.05	27.05	27.8
15	256QAM	1	80	27.02	27.16	27.02	27.05	27.05	27.05	27.8
15	256QAM	50	0	27.45	27.38	27.44	27.26	27.27	27.27	27.8
15	256QAM	50	24	27.45	27.38	27.44	27.26	27.27	27.27	27.8
15	256QAM	50	48	27.45	27.38	27.44	27.26	27.27	27.27	27.8
15	256QAM	100	0	27.30	27.21	27.28	27.18	27.16	27.16	27.8
Channel				39750	40183	40600	41000	41420	41840	
Frequency (MHz)				26935	26943	26960	26973	26990	27003	
10	QPSK	1	0	26.12	26.10	26.10	26.06	26.06	26.06	26.8
10	QPSK	1	40	26.25	26.16	26.16	26.15	26.10	26.10	26.8
10	QPSK	1	80	26.23	26.13	26.16	26.12	26.09	26.09	26.8
10	QPSK	50	0	26.32	26.20	26.25	26.19	26.19	26.19	26.8
10	QPSK	50	24	26.32	26.19	26.26	26.19	26.21	26.21	26.8
10	QPSK	50	48	26.39	26.24	26.25	26.22	26.21	26.21	26.8
10	QPSK	100	0	26.40	26.60	26.57	26.51	26.60	26.60	26.8
10	16QAM	1	0	26.60	26.67	26.66	26.62	26.63	26.63	26.8
10	16QAM	1	40	26.74	26.61	26.66	26.59	26.57	26.57	26.8
10	16QAM	1	80	26.78	26.50	26.54	26.26	26.28	26.28	26.8
10	16QAM	50	0	26.37	26.28	26.34	26.25	26.28	26.28	26.8
10	16QAM	50	24	26.43	26.31	26.36	26.29	26.29	26.29	26.8
10	16QAM	50	48	26.51	26.39	26.44	26.36	26.37	26.37	26.8
10	64QAM	1	0	26.54	26.45	26.51	26.42	26.44	26.44	26.8
10	64QAM	1	40	26.59	26.43	26.52	26.45	26.46	26.46	26.8
10	64QAM	1	80	26.58	26.23	26.28	26.24	26.22	26.22	26.8
10	64QAM	50	0	26.40	26.25	26.34	26.26	26.27	26.27	26.8
10	64QAM	50	24	26.43	26.29	26.33	26.27	26.30	26.30	26.8
10	64QAM	50	48	26.32	26.24	26.23	26.23	26.20	26.20	26.8
10	256QAM	1	0	27.67	27.36	27.50	27.11	27.54	27.54	27.8
10	256QAM	1	40	27.68	27.04	27.11	27.10	27.00	27.00	27.8
10	256QAM	1	80	27.75	27.13	27.22	27.10	27.19	27.19	27.8
10	256QAM	50	0	27.38	27.28	27.33	27.42	27.38	27.38	27.8
10	256QAM	50	24	27.40	27.20	27.44	27.38	27.27	27.27	27.8
10	256QAM	50	48	27.44	27.24	27.44	27.52	27.38	27.38	27.8
10	256QAM	100	0	27.34	27.23	27.44	27.19	27.16	27.16	27.8
Channel				39750	40188	40600	41000	41420	41840	
Frequency (MHz)				26935	26943	26960	26973	26990	27003	
5	QPSK	1	0	26.22	26.14	26.16	26.14	26.10	26.10	26.8
5	QPSK	1	40	26.19	26.09	26.15	26.09	26.09	26.09	26.8
5	QPSK	1	80	26.25	26.16	26.17	26.14	26.09	26.09	26.8
5	QPSK	50	0	26.35	26.23	26.26	26.23	26.21	26.21	26.8
5	QPSK	50	24	26.32	26.23	26.26	26.24	26.21	26.21	26.8
5	QPSK	50	48	26.38	26.23	26.25	26.24	26.21	26.21	26.8
5	QPSK	100	0	26.32	26.20	26.25	26.23	26.23	26.23	26.8
5	16QAM	1	0	26.46	26.30	26.40	26.42	26.32	26.32	26.8
5	16QAM	1	40	26.60	26.51	26.55	26.52	26.50	26.50	26.8
5	16QAM	1	80	26.71	26.61	26.64	26.50	26.58	26.58	26.8
5	16QAM	50	0	26.39	26.26	26.48	26.45	26.38	26.38	26.8
5	16QAM	50	24	26.34	26.20	26.25	26.27	26.20	26.20	26.8
5	16QAM	50	48	26.41	26.30	26.32	26.26	26.26	26.26	26.8
5	16QAM	100	0	26.33	26.21	26.38	26.31	26.28	26.28	26.8
5	64QAM	1	0	26.52	26.43	26.28	26.41	26.19	26.19	26.8
5	64QAM	1	40	26.23	26.08	26.49	26.12	26.33	26.33	26.8
5	64QAM	1	80	26.37	26.23	26.29	26.25	26.52	26.52	26.8
5	64QAM	50	0	26.35	26.22	26.29	26.26	26.24	26.24	26.8
5	64QAM	50	24	26.38	26.23	26.28	26.24	26.25	26.25	26.8
5	64QAM	50	48	26.38	26.24	26.33	26.23	26.28	26.28	26.8
5	256QAM	1	0	27.67	27.38	27.22	27.13	27.03	27.03	27.8
5	256QAM	1	40	27.61	27.01	27.10	27.11	27.11	27.11	27.8
5	256QAM	1	80	27.72	27.12	27.18	27.03	27.08	27.08	27.8
5	256QAM	50	0	27.53	27.16	27.52	27.24	27.37	27.37	27.8
5	256QAM	50	24	27.49	27.16	27.50	27.24	27.37	27.37	27.8

Band 41 PC3_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Side Ch. Freq.	Power Low Middle Ch. Freq.	Power Low High Side Ch. Freq.	Power High Side Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)
Channel										
Frequency (MHz)				39780	40165	40550	41000	41450	41900	
Frequency (MHz)				39780	40165	40550	41000	41450	41900	
20	QPSK	1	0	23.32	23.34	23.35	23.36	23.37	23.38	23.8
20	QPSK	1	40	23.39	23.38	23.37	23.36	23.35	23.34	23.8
20	QPSK	1	80	23.30	23.33	23.27	23.24	23.24	23.16	23.8
20	QPSK	50	0	23.35	23.27	23.29	23.23	23.23	23.29	23.8
20	QPSK	50	24	22.40	22.41	22.31	22.27	22.27	22.23	23.8
20	QPSK	50	40	22.37	22.30	22.29	22.29	22.29	22.19	23.8
20	16QAM	1	0	22.41	22.29	22.33	22.34	22.34	22.29	23.8
20	16QAM	1	40	22.38	22.21	22.27	22.24	22.24	22.19	23.8
20	16QAM	1	80	22.45	22.34	22.28	22.32	22.32	22.19	23.8
20	16QAM	50	0	21.29	21.28	21.28	21.24	21.24	21.16	23.8
20	16QAM	50	24	21.45	21.33	21.33	21.31	21.31	21.25	23.8
20	16QAM	50	50	21.39	21.32	21.34	21.31	21.31	21.24	23.8
20	16QAM	100	0	21.33	21.30	21.30	21.28	21.28	21.22	23.8
20	64QAM	1	0	21.27	21.10	21.16	21.01	21.01	20.90	23.8
20	64QAM	1	40	21.21	21.07	21.12	20.98	20.98	20.89	23.8
20	64QAM	1	80	21.26	21.15	21.24	21.07	21.07	20.98	23.8
20	64QAM	50	0	20.40	20.29	20.31	20.25	20.25	20.23	23.8
20	64QAM	50	24	20.44	20.35	20.37	20.30	20.30	20.25	23.8
20	64QAM	50	50	20.43	20.32	20.31	20.25	20.25	20.21	23.8
20	64QAM	100	0	20.38	20.28	20.30	20.26	20.26	20.19	23.8
20	256QAM	1	0	18.15	18.02	18.20	18.13	18.13	17.99	18.8
20	256QAM	1	40	18.17	17.93	18.15	18.08	18.08	17.94	18.8
20	256QAM	1	80	18.19	17.95	18.13	18.01	18.01	17.86	18.8
20	256QAM	50	0	18.43	18.27	18.40	18.32	18.32	18.29	18.8
20	256QAM	50	24	18.43	18.27	18.38	18.31	18.31	18.26	18.8
20	256QAM	50	50	18.43	18.27	18.38	18.31	18.31	18.26	18.8
20	256QAM	100	0	18.33	18.17	18.29	18.23	18.23	18.18	18.8
Channel										
Frequency (MHz)				39780	40165	40550	41000	41450	41900	
Frequency (MHz)				39780	40165	40550	41000	41450	41900	
16	QPSK	1	0	23.33	23.23	23.23	23.20	23.20	23.16	23.80
16	QPSK	1	40	23.29	23.14	23.18	23.09	23.12	23.12	23.80
16	QPSK	1	80	23.35	23.28	23.29	23.23	23.23	23.13	23.80
16	QPSK	50	0	23.37	23.28	23.29	23.25	23.25	23.22	23.80
16	QPSK	50	24	22.38	22.28	22.29	22.29	22.29	22.22	23.80
16	QPSK	50	50	22.41	22.31	22.31	22.29	22.29	22.22	23.80
16	QPSK	75	0	22.38	22.31	22.31	22.29	22.29	22.22	23.80
16	16QAM	1	0	22.42	22.26	22.30	22.31	22.31	22.21	23.80
16	16QAM	1	40	22.39	22.17	22.28	22.30	22.30	22.22	23.80
16	16QAM	1	80	21.45	21.30	21.37	21.32	21.32	21.26	23.80
16	16QAM	50	0	21.40	21.27	21.27	21.20	21.20	21.10	23.80
16	16QAM	50	24	21.43	21.29	21.31	21.25	21.25	21.21	23.80
16	16QAM	50	50	21.42	21.30	21.32	21.28	21.28	21.26	23.80
16	16QAM	75	0	21.42	21.31	21.32	21.29	21.29	21.23	23.80
16	64QAM	1	0	21.33	21.17	21.14	21.07	21.07	20.91	23.80
16	64QAM	1	40	21.38	21.18	21.16	21.10	21.10	21.02	23.80
16	64QAM	1	80	21.33	21.20	21.21	21.08	21.08	21.03	23.80
16	64QAM	50	0	20.43	20.30	20.30	20.27	20.27	20.23	23.80
16	64QAM	50	24	20.41	20.30	20.31	20.27	20.27	20.21	23.80
16	64QAM	50	50	20.45	20.31	20.32	20.29	20.29	20.24	23.80
16	64QAM	75	0	20.40	20.30	20.30	20.28	20.28	20.22	23.80
16	256QAM	1	0	18.15	17.93	18.20	18.13	18.13	17.86	18.8
16	256QAM	1	40	18.17	17.94	18.15	18.01	18.01	17.86	18.8
16	256QAM	1	80	18.20	17.94	18.15	18.01	18.01	17.86	18.8
16	256QAM	50	0	18.50	18.33	18.41	18.34	18.34	18.27	18.8
16	256QAM	50	24	18.52	18.18	18.30	18.31	18.31	18.20	18.8
16	256QAM	50	50	18.50	18.24	18.43	18.35	18.35	18.30	18.8
16	256QAM	75	0	18.28	18.20	18.38	18.30	18.30	18.15	18.8
Channel										
Frequency (MHz)				39780	40165	40550	41000	41450	41900	
Frequency (MHz)				39780	40165	40550	41000	41450	41900	
10	QPSK	1	0	23.33	23.21	23.25	23.26	23.20	23.16	23.80
10	QPSK	1	12	23.33	23.19	23.20	23.23	23.21	23.21	23.80
10	QPSK	1	24	23.33	23.20	23.24	23.18	23.18	23.16	23.80
10	QPSK	12	0	22.30	22.24	22.30	22.26	22.26	22.26	23.80
10	QPSK	12	7	22.42	22.27	22.29	22.29	22.29	22.26	23.80
10	QPSK	12	13	22.38	22.24	22.31	22.25	22.25	22.25	23.80
10	QPSK	25	0	22.38	22.28	22.30	22.27	22.27	22.23	23.80
10	16QAM	1	0	22.42	22.37	22.41	22.38	22.37	22.37	23.80
10	16QAM	1	12	22.42	22.35	22.40	22.43	22.37	22.37	23.80
10	16QAM	1	24	22.47	22.37	22.46	22.40	22.39	22.37	23.80
10	16QAM	12	0	21.37	21.24	21.28	21.21	21.22	21.22	23.80
10	16QAM	12	7	21.38	21.24	21.28	21.25	21.28	21.28	23.80
10	16QAM	12	13	21.38	21.33	21.27	21.21	21.21	21.25	23.80
10	16QAM	25	0	21.45	21.31	21.35	21.31	21.31	21.30	23.80
10	64QAM	1	0	21.28	21.18	21.15	21.04	21.04	20.95	23.80
10	64QAM	1	12	21.30	21.16	21.15	21.01	21.01	20.94	23.80
10	64QAM	1	24	21.28	21.14	21.19	21.04	21.04	20.96	23.80
10	64QAM	12	0	20.41	20.27	20.29	20.26	20.26	20.33	23.80
10	64QAM	12	7	20.43	20.27	20.41	20.33	20.33	20.35	23.80
10	64QAM	12	13	20.44	20.28	20.46	20.32	20.34	20.34	23.80
10	256QAM	1	0	18.15	18.07	18.11	18.25	18.25	18.07	18.8
10	256QAM	1	12	18.20	17.88	18.16	18.07	18.07	17.86	18.8
10	256QAM	1	24	18.19	17.88	18.08	17.86	17.86	17.67	18.8
10	256QAM	12	0	18.51	18.39	18.43	18.30	18.30	18.40	18.8
10	256QAM	12	7	18.34	18.18	18.35	18.35	18.35	18.24	18.8
10	256QAM	12	13	18.34	18.23	18.37	18.30	18.30	18.23	18.8



Band 48_Ant 6										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Low Ch. (Frac)	Power Low Middle Ch. (Frac)	Power Low High Middle Ch. (Frac)	Power High Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)
Channel				56340	56830	56830	56830	56830	56830	
Frequency (MHz)				56340	56830	56830	56830	56830	56830	
20	QPSK	1	0	23.11	23.13	23.21	23.28			24
20	QPSK	1	49	23.05	23.05	23.11	23.13			
20	QPSK	1	99	23.06	23.02	23.11	23.10			
20	QPSK	80	0	22.20	22.18	22.20	22.20			23
20	QPSK	50	24	22.18	22.18	22.20	22.20			
20	QPSK	80	80	22.19	22.14	22.20	22.20			
20	QPSK	100	0	22.19	22.17	22.20	22.20			
20	HQAM	1	0	22.20	22.18	22.20	22.20			23
20	HQAM	1	49	22.10	22.10	22.24	22.12			
20	HQAM	1	99	22.11	22.13	22.20	22.05			
20	HQAM	20	0	21.19	21.17	21.22	21.20			22
20	HQAM	50	24	21.20	21.15	21.20	21.20			
20	HQAM	50	50	21.14	21.12	21.19	21.20			
20	HQAM	100	0	21.15	21.15	21.20	21.20			
20	HQAM	1	0	20.82	20.83	20.89	21.02			22
20	HQAM	1	49	20.77	20.78	20.86	20.93			
20	HQAM	1	99	20.80	20.71	20.80	20.80			
20	HQAM	50	0	20.18	20.15	20.20	20.20			21
20	HQAM	50	24	20.18	20.15	20.20	20.20			
20	HQAM	50	50	20.14	20.10	20.15	20.18			
20	HQAM	100	0	20.18	20.12	20.21	20.21			
20	SSBQAM	1	0	17.57	17.58	17.54	17.61			19
20	SSBQAM	1	49	17.83	17.65	17.74	17.88			
20	SSBQAM	1	99	17.51	17.88	17.81	17.77			
20	SSBQAM	80	0	17.84	17.86	17.86	17.86			19
20	SSBQAM	50	24	17.59	17.89	18.00	18.04			
20	SSBQAM	80	80	18.00	17.90	18.00	18.06			
20	SSBQAM	100	0	17.91	17.81	17.98	17.93			
Channel				56915	56930	56940	56950	56950	56950	Time-up limit (dBm)
Frequency (MHz)				56915	56930	56940	56950	56950	56950	
15	QPSK	1	0	23.15	23.14	23.22	23.21			24
15	QPSK	1	37	23.12	22.94	23.09	23.09			
15	QPSK	1	74	23.13	23.08	23.15	23.14			
15	QPSK	80	0	22.18	22.18	22.24	22.26			23
15	QPSK	80	20	22.18	22.20	22.21	22.23			
15	QPSK	80	39	22.18	22.12	22.21	22.21			
15	QPSK	70	0	22.17	22.18	22.20	22.20			
15	HQAM	1	0	22.20	22.23	22.20	22.27			23
15	HQAM	1	37	22.22	22.13	22.28	22.28			
15	HQAM	1	74	22.17	22.20	22.22	22.21			
15	HQAM	80	0	21.15	21.11	21.17	21.20			22
15	HQAM	80	20	21.18	21.10	21.18	21.18			
15	HQAM	80	39	21.13	21.08	21.14	21.14			
15	HQAM	70	0	21.19	21.13	21.20	21.24			
15	HQAM	1	0	20.89	20.89	21.04	20.93			22
15	HQAM	1	37	21.01	20.94	20.86	20.79			
15	HQAM	1	74	20.94	20.85	20.90	20.79			
15	HQAM	80	0	20.17	20.15	20.24	20.25			21
15	HQAM	80	20	20.14	20.14	20.20	20.19			
15	HQAM	80	39	20.18	20.11	20.18	20.14			
15	HQAM	80	50	20.14	20.12	20.18	20.18			
15	SSBQAM	1	0	17.41	17.48	17.59	17.54			19
15	SSBQAM	1	37	17.43	17.45	17.50	17.46			
15	SSBQAM	1	74	17.51	17.47	17.54	17.50			
15	SSBQAM	80	0	17.85	17.78	17.89	17.83			19
15	SSBQAM	80	20	17.90	17.80	17.92	17.85			
15	SSBQAM	80	39	17.92	17.83	17.89	18.00			
15	SSBQAM	70	0	17.90	17.81	17.85	17.98			
Channel				56975	56975	56975	56975	56975	56975	Time-up limit (dBm)
Frequency (MHz)				56975	56975	56975	56975	56975	56975	
10	QPSK	1	0	23.14	23.18	23.22	23.27			24
10	QPSK	1	25	23.11	23.08	23.12	23.14			
10	QPSK	1	49	23.14	23.09	23.21	23.21			
10	QPSK	80	0	22.19	22.18	22.27	22.30			23
10	QPSK	25	12	22.18	22.14	22.24	22.27			
10	QPSK	25	25	22.22	22.17	22.27	22.27			
10	QPSK	80	0	22.23	22.21	22.26	22.29			
10	HQAM	1	0	22.14	22.15	22.38	22.36			23
10	HQAM	1	26	22.11	22.10	22.28	22.26			
10	HQAM	1	49	22.12	22.09	22.33	22.29			
10	HQAM	25	0	21.19	21.21	21.27	21.27			22
10	HQAM	25	12	21.19	21.18	21.26	21.25			
10	HQAM	25	25	21.19	21.17	21.28	21.25			
10	HQAM	80	0	21.18	21.19	21.26	21.27			
10	HQAM	1	0	21.00	20.96	20.95	21.08			22
10	HQAM	1	25	20.89	20.90	20.93	20.99			
10	HQAM	1	49	20.94	20.91	20.88	20.99			
10	HQAM	25	0	20.15	20.15	20.23	20.24			21
10	HQAM	25	12	20.13	20.13	20.20	20.21			
10	HQAM	25	25	20.13	20.13	20.20	20.23			
10	HQAM	50	0	20.17	20.18	20.23	20.23			
10	SSBQAM	1	0	17.42	17.47	17.48	17.46			19
10	SSBQAM	1	25	17.37	17.48	17.50	17.50			
10	SSBQAM	1	49	17.47	17.49	17.62	17.75			
10	SSBQAM	25	0	17.86	17.83	17.90	17.98			19
10	SSBQAM	25	12	17.87	17.84	17.85	18.02			
10	SSBQAM	25	25	17.92	17.85	17.86	18.03			
10	SSBQAM	50	0	17.94	17.88	17.95	18.04			
Channel				56985	56980	56975	56975	56975	56975	Time-up limit (dBm)
Frequency (MHz)				56985	56980	56975	56975	56975	56975	
5	QPSK	1	0	23.12	23.18	23.23	23.27			24
5	QPSK	1	12	23.08	23.10	23.13	23.25			
5	QPSK	1	24	23.12	23.13	23.21	23.23			
5	QPSK	12	0	22.12	22.16	22.26	22.29			23
5	QPSK	12	7	22.11	22.14	22.22	22.26			
5	QPSK	12	13	22.12	22.13	22.23	22.26			
5	QPSK	25	0	22.17	22.17	22.27	22.25			
5	HQAM	1	0	22.17	22.13	22.30	22.30			23
5	HQAM	1	12	22.14	22.06	22.37	22.35			
5	HQAM	1	24	22.15	22.12	22.32	22.30			
5	HQAM	12	0	21.09	21.09	21.20	21.19			22
5	HQAM	12	7	21.11	21.11	21.21	21.20			
5	HQAM	12	13	21.08	21.09	21.19	21.19			
5	HQAM	25	0	21.20	21.22	21.30	21.31			
5	HQAM	1	0	20.92	20.94	20.90	20.94			22
5	HQAM	1	12	20.90	20.98	20.96	20.97			
5	HQAM	1	24	20.88	20.90	20.91	20.91			
5	HQAM	12	0	20.11	20.11	20.29	20.17			21
5	HQAM	12	7	20.13	20.09	20.21	20.16			
5	HQAM	12	13	20.09	20.09	20.20	20.15			
5	HQAM	25	0	20.15	20.16	20.24	20.25			
5	SSBQAM	1	0	17.47	17.54	17.58	17.62			19
5	SSBQAM	1	12	17.50	17.58	17.61	17.78			
5	SSBQAM	1	24	17.48	17.53	17.63	17.65			
5	SSBQAM	12	0	17.79	17.77	17.86	17.92			19
5	SSBQAM	12	7	17.81	17.75	17.82	17.94			
5	SSBQAM	12	13	17.82	17.79	17.85	17.94			
5	SSBQAM	25	0	17.87	17.81	17.93	17.96			

Band 38 PC2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Time-up limit [dBm]	
Channel								
Frequency [MHz]								
20	QPSK	1	0	23.37	23.42	23.45	23.8	
20	QPSK	1	46	23.44	23.50	23.49		
20	QPSK	1	92	23.42	23.46	23.47		
20	QPSK	80	0	22.41	22.45	22.47	23.3	
20	QPSK	80	24	22.44	22.47	22.49		
20	QPSK	80	50	22.43	22.46	22.50		
20	QPSK	160	0	22.46	22.45	22.50	23.3	
20	16QAM	1	0	22.84	22.88	22.83		
20	16QAM	1	46	22.81	22.82	22.87		
20	16QAM	1	92	22.85	22.86	22.89	23.3	
20	16QAM	80	0	21.46	21.50	21.51		
20	16QAM	80	24	21.48	21.52	21.55		
20	16QAM	80	50	21.50	21.55	21.58	22.3	
20	16QAM	160	0	21.45	21.48	21.53		
20	64QAM	1	0	21.49	21.69	21.61		
20	64QAM	1	46	21.43	21.52	21.50	21.3	
20	64QAM	1	92	21.50	21.50	21.76		
20	64QAM	80	0	20.46	20.50	20.50		
20	64QAM	80	24	20.51	20.50	20.57	21.3	
20	64QAM	80	50	20.50	20.55	20.55		
20	64QAM	160	0	20.45	20.48	20.50		
20	256QAM	0	0	18.43	18.47	18.50	19.3	
20	256QAM	1	46	18.42	18.32	18.45		
20	256QAM	1	92	18.51	18.35	18.40		
20	256QAM	80	0	18.81	18.55	18.71	19.3	
20	256QAM	80	24	18.79	18.55	18.77		
20	256QAM	80	50	18.75	18.55	18.77		
20	256QAM	160	0	18.71	18.56	18.58	19.3	
Channel								
Frequency [MHz]								
15	QPSK	1	0	23.36	23.39	23.45	23.8	
15	QPSK	1	37	23.35	23.38	23.41		
15	QPSK	1	74	23.45	23.45	23.49		
15	QPSK	36	0	22.43	22.46	22.48	23.3	
15	QPSK	36	26	22.44	22.47	22.48		
15	QPSK	36	36	22.43	22.47	22.47		
15	QPSK	72	0	22.44	22.47	22.48	23.3	
15	16QAM	1	0	22.84	22.86	22.91		
15	16QAM	1	37	22.77	22.78	22.84		
15	16QAM	1	74	22.80	22.81	22.84	22.3	
15	16QAM	36	0	21.46	21.47	21.49		
15	16QAM	36	20	21.47	21.48	21.49		
15	16QAM	36	36	21.47	21.52	21.51	22.3	
15	16QAM	72	0	21.45	21.47	21.47		
15	64QAM	1	0	21.62	21.34	21.38		
15	64QAM	1	37	21.38	21.38	21.54	21.3	
15	64QAM	1	74	21.39	21.41	21.29		
15	64QAM	36	0	20.42	20.47	20.47		
15	64QAM	36	20	20.46	20.47	20.48	21.3	
15	64QAM	36	36	20.45	20.51	20.50		
15	64QAM	72	0	20.45	20.47	20.48		
15	256QAM	1	0	18.51	18.51	18.45	19.3	
15	256QAM	1	37	18.46	18.36	18.40		
15	256QAM	1	74	18.54	18.35	18.45		
15	256QAM	36	0	18.76	18.60	18.69	19.3	
15	256QAM	36	26	18.72	18.52	18.67		
15	256QAM	36	36	18.73	18.61	18.69		
15	256QAM	72	0	18.67	18.50	18.54	19.3	
Channel								
Frequency [MHz]								
10	QPSK	1	0	23.36	23.39	23.45	23.8	
10	QPSK	1	25	23.36	23.33	23.36		
10	QPSK	1	49	23.45	23.44	23.48		
10	QPSK	25	0	22.35	22.45	22.44	23.3	
10	QPSK	25	12	22.39	22.38	22.45		
10	QPSK	25	25	22.37	22.45	22.44		
10	QPSK	80	0	22.34	22.44	22.40	23.3	
10	16QAM	1	0	22.83	22.85	22.85		
10	16QAM	1	26	22.70	22.76	22.80		
10	16QAM	1	49	22.82	22.86	22.90	22.3	
10	16QAM	25	0	21.42	21.42	21.47		
10	16QAM	25	12	21.43	21.48	21.49		
10	16QAM	25	25	21.42	21.44	21.45	22.3	
10	16QAM	80	0	21.39	21.44	21.45		
10	64QAM	1	0	21.57	21.50	21.58		
10	64QAM	1	25	21.52	21.54	21.57	22.3	
10	64QAM	1	49	21.34	21.52	21.51		
10	64QAM	25	0	20.34	20.43	20.36		
10	64QAM	25	12	20.44	20.45	20.57	21.3	
10	64QAM	25	25	20.41	20.47	20.48		
10	64QAM	80	0	20.41	20.48	20.40		
10	256QAM	1	0	18.60	18.41	18.41	19.3	
10	256QAM	1	25	18.30	18.31	18.47		
10	256QAM	1	49	18.45	18.30	18.40		
10	256QAM	25	0	18.68	18.60	18.64	19.3	
10	256QAM	25	12	18.64	18.49	18.62		
10	256QAM	25	25	18.69	18.52	18.61		
10	256QAM	80	0	18.44	18.42	18.53	19.3	
Channel								
Frequency [MHz]								
5	QPSK	1	0	23.48	23.31	23.46	23.8	
5	QPSK	1	12	23.29	23.30	23.32		
5	QPSK	1	24	23.44	23.40	23.42		
5	QPSK	12	0	22.34	22.36	22.37	23.3	
5	QPSK	12	7	22.34	22.46	22.46		
5	QPSK	12	13	22.37	22.45	22.40		
5	QPSK	25	0	22.34	22.40	22.48	23.3	
5	16QAM	1	0	22.76	22.80	22.87		
5	16QAM	1	12	22.68	22.70	22.76		
5	16QAM	1	24	22.80	22.80	22.83	22.3	
5	16QAM	12	0	21.38	21.40	21.46		
5	16QAM	12	7	21.37	21.45	21.41		
5	16QAM	12	14	21.42	21.40	21.44	22.3	
5	16QAM	25	0	21.36	21.40	21.41		
5	64QAM	1	0	21.60	21.53	21.58		
5	64QAM	1	12	21.38	21.58	21.55	22.3	
5	64QAM	1	24	21.32	21.52	21.50		
5	64QAM	12	0	20.35	20.41	20.36		
5	64QAM	12	7	20.36	20.44	20.45	21.3	
5	64QAM	12	13	20.38	20.43	20.44		
5	64QAM	25	0	20.41	20.45	20.42		
5	256QAM	1	0	18.49	18.49	18.43	19.3	
5	256QAM	1	12	18.38	18.30	18.45		
5	256QAM	1	24	18.44	18.38	18.49		
5	256QAM	12	0	18.66	18.50	18.63	19.3	
5	256QAM	12	7	18.66	18.41	18.68		
5	256QAM	12	13	18.67	18.55	18.52		



Band 38 PC3_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Total up limit [dBm]				
Channel				37800	38000	38100					
Frequency [MHz]				21.90	21.90	21.90					
20	QPSK	1	0	21.91	21.93	21.97	22.1				
20	QPSK	1	46	21.87	21.92	21.95					
20	QPSK	1	90	21.96	22.00	22.00					
20	QPSK	80	0	21.98	21.99	22.01					
20	QPSK	50	24	21.98	21.99	22.02	22.1				
20	QPSK	80	46	21.97	22.01	22.02					
20	QPSK	100	0	21.97	21.98	22.00					
20	16QAM	1	0	22.09	22.00	22.10	22.1				
20	16QAM	1	46	22.08	22.00	22.09					
20	16QAM	1	90	22.00	22.00	22.00					
20	16QAM	80	0	21.18	21.21	21.21					
20	16QAM	50	50	21.18	21.24	21.24	22				
20	16QAM	100	0	21.18	21.23	21.23					
20	64QAM	1	0	20.98	21.09	20.96					
20	64QAM	1	46	20.95	21.06	20.91	22				
20	64QAM	1	90	21.08	21.17	21.04					
20	64QAM	50	0	20.18	20.22	20.23					
20	64QAM	80	24	20.20	20.24	20.25					
20	64QAM	80	50	20.21	20.24	20.25	21				
20	64QAM	100	0	20.17	20.19	20.24					
20	256QAM	1	0	18.01	18.00	18.02					
20	256QAM	1	46	18.05	18.01	18.02					
20	256QAM	80	0	18.30	18.31	18.30	19				
20	256QAM	50	24	18.30	18.29	18.27					
20	256QAM	80	46	18.37	18.16	18.20					
20	256QAM	100	0	18.18	18.05	18.14					
Channel				37800	38000	38100	Total up limit [dBm]				
Frequency [MHz]				21.71.5	21.96	21.13.5					
15	QPSK	1	0	21.09	21.08	21.08	22.1				
15	QPSK	1	37	21.10	21.07	21.02					
15	QPSK	1	74	22.02	22.01	22.04					
15	QPSK	36	0	21.99	22.01	22.00					
15	QPSK	36	26	22.01	22.00	22.00	22.1				
15	QPSK	36	36	22.00	22.01	22.02					
15	QPSK	75	0	22.00	22.00	22.01					
15	16QAM	1	0	22.09	22.00	22.00					
15	16QAM	1	37	22.04	22.02	22.09	22.1				
15	16QAM	1	74	22.00	22.00	22.00					
15	16QAM	36	0	21.17	21.18	21.20					
15	16QAM	36	20	21.20	21.20	21.19					
15	16QAM	36	36	21.21	21.22	21.23	22				
15	16QAM	75	0	21.24	21.22	21.22					
15	64QAM	1	0	21.10	20.99	21.07					
15	64QAM	1	37	21.18	20.97	20.97					
15	64QAM	1	74	21.17	21.09	21.10	22				
15	64QAM	36	0	20.10	20.10	20.20					
15	64QAM	36	20	20.22	20.21	20.23					
15	64QAM	36	36	20.18	20.21	20.23					
15	256QAM	75	0	20.22	20.24	20.21	19				
15	256QAM	1	0	17.97	18.02	18.02					
15	256QAM	1	37	18.00	18.02	18.02					
15	256QAM	1	74	18.02	18.00	18.05					
15	256QAM	36	0	18.09	18.10	18.10	19				
15	256QAM	36	20	18.00	18.12	18.10					
15	256QAM	36	36	18.14	18.07	18.09					
15	256QAM	75	0	18.08	18.10	18.00					
Channel				37800	38000	38100	Total up limit [dBm]				
Frequency [MHz]				21.75	21.96	21.15					
10	QPSK	1	0	21.07	21.00	21.04	22.1				
10	QPSK	1	26	21.01	21.01	21.00					
10	QPSK	1	49	22.01	22.03	22.07					
10	QPSK	25	0	21.97	21.97	21.99					
10	QPSK	25	12	21.97	21.97	21.98	22.1				
10	QPSK	25	25	21.88	21.99	22.01					
10	QPSK	80	0	22.00	22.01	22.03					
10	16QAM	1	0	22.08	22.08	22.00					
10	16QAM	1	26	22.03	22.07	22.08	22.1				
10	16QAM	1	49	22.00	22.00	22.00					
10	16QAM	25	0	21.22	21.24	21.22					
10	16QAM	25	12	21.21	21.19	21.22					
10	16QAM	25	25	21.22	21.21	21.26	22				
10	16QAM	80	0	21.23	21.25	21.24					
10	64QAM	1	0	21.06	21.13	21.09					
10	64QAM	1	26	21.13	21.14	21.03					
10	64QAM	1	49	21.12	21.14	21.13	21				
10	64QAM	25	0	20.22	20.21	20.25					
10	64QAM	25	12	20.19	20.20	20.24					
10	64QAM	25	25	20.23	20.23	20.29					
10	64QAM	50	0	20.23	20.23	20.25	21				
10	256QAM	1	0	17.80	18.01	17.89					
10	256QAM	1	26	17.97	18.00	18.00					
10	256QAM	1	49	17.99	18.02	17.98					
10	256QAM	25	0	18.11	18.18	18.14	19				
10	256QAM	25	12	18.08	18.14	18.13					
10	256QAM	25	25	18.13	18.10	18.09					
10	256QAM	50	0	18.20	18.20	18.15					
Channel				3777.5	38000	38025	Total up limit [dBm]				
Frequency [MHz]				20.02.5	20.96	20.01.5					
5	QPSK	1	0	21.45	21.90	21.98	22.1				
5	QPSK	1	12	21.84	21.82	21.95					
5	QPSK	1	24	21.92	21.90	21.97					
5	QPSK	12	0	21.94	21.96	21.90					
5	QPSK	12	7	21.90	21.94	21.91	22.1				
5	QPSK	12	13	21.91	21.95	22.00					
5	QPSK	25	0	21.95	21.93	22.00					
5	16QAM	1	0	22.08	21.98	22.00					
5	16QAM	1	12	22.01	22.05	22.01	22.1				
5	16QAM	1	24	22.04	22.08	22.00					
5	16QAM	12	0	21.18	21.24	21.14					
5	16QAM	12	7	21.15	21.18	21.17					
5	16QAM	12	14	21.16	21.16	21.24	22				
5	16QAM	35	0	21.22	21.20	21.23					
5	64QAM	1	0	21.08	21.13	21.00					
5	64QAM	1	12	21.07	21.00	20.99					
5	64QAM	1	24	21.10	21.05	21.12	21				
5	64QAM	12	0	20.14	20.18	20.23					
5	64QAM	12	7	20.10	20.10	20.21					
5	64QAM	12	13	20.15	20.20	20.22					
5	64QAM	35	0	20.14	20.17	20.15	19				
5	256QAM	1	0	17.80	17.95	17.89					
5	256QAM	1	12	17.87	17.91	17.98					
5	256QAM	1	24	17.94	17.93	17.88					
5	256QAM	12	0	18.07	18.08	18.12	19				
5	256QAM	12	7	18.07	18.11	18.08					
5	256QAM	12	13	18.07	18.05	18.03					
5	256QAM	25	0	18.18	18.18	18.07					



Band 41 PC2_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Lin Ch / Freq	Power Lin Ch / Freq	Power Lin Ch / Freq	Power Lin Ch / Freq	Power Lin Ch / Freq	Power Lin Ch / Freq	Time-up time (sec)
Channel				39780	40185	40580	41085	41480		
Frequency (MHz)				2504.5	2545.5	2585.5	2626.5	2666.5		
20	QPSK	1	0	23.42	23.35	23.41	23.32	23.24		23.8
20	QPSK	1	40	23.50	23.41	23.51	23.38	23.30		
20	QPSK	96	96	23.50	23.43	23.46	23.38	23.30		
20	QPSK	50	0	22.50	22.47	22.48	22.44	22.35		23.3
20	QPSK	96	24	22.54	22.50	22.54	22.46	22.36		
20	QPSK	50	50	22.54	22.49	22.54	22.49	22.34		
20	QPSK	100	0	22.58	22.51	22.54	22.50	22.37		
20	QPSK	0	0	22.63	22.63	22.67	22.62	22.68		23.3
20	16QAM	1	40	22.84	22.72	22.77	22.73	22.60		
20	16QAM	96	96	22.93	22.88	22.95	22.76	22.77		
20	16QAM	50	0	21.54	21.50	21.55	21.47	21.38		22.3
20	16QAM	50	24	21.60	21.52	21.58	21.50	21.43		
20	16QAM	50	50	21.61	21.54	21.59	21.53	21.41		
20	16QAM	100	0	21.59	21.48	21.55	21.50	21.36		
20	64QAM	1	0	21.50	21.51	21.45	21.41	21.29		22.3
20	64QAM	1	40	21.47	21.33	21.39	21.32	21.24		
20	64QAM	1	96	21.40	21.63	21.46	21.33	21.31		
20	64QAM	1	0	20.54	20.54	20.57	20.48	20.41		21.3
20	64QAM	50	24	20.53	20.54	20.55	20.53	20.42		
20	64QAM	50	50	20.63	20.63	20.60	20.53	20.41		
20	64QAM	100	0	20.54	20.45	20.54	20.46	20.34		
20	256QAM	1	0	18.53	18.55	18.53	18.43	18.40		19.3
20	256QAM	1	40	18.48	18.38	18.47	18.31	18.48		
20	256QAM	96	96	18.54	18.57	18.51	18.39	18.41		
20	256QAM	50	0	18.30	18.56	18.84	18.54	18.71		
20	256QAM	96	24	18.30	18.52	18.71	18.51	18.74		19.3
20	256QAM	50	50	18.21	18.55	18.65	18.58	18.61		
20	256QAM	100	0	18.27	18.67	18.69	18.56	18.59		
Channel				39770	40175	40570	41075	41470		
Frequency (MHz)				2503.5	2544.5	2584.5	2625.5	2665.5		
15	QPSK	1	0	23.48	23.41	23.49	23.40	23.31		23.80
15	QPSK	1	37	23.45	23.36	23.35	23.39	23.30		
15	QPSK	1	74	23.50	23.45	23.50	23.45	23.37		
15	QPSK	96	0	22.52	22.48	22.53	22.45	22.36		23.3
15	QPSK	96	30	22.54	22.46	22.53	22.46	22.37		
15	QPSK	96	56	22.54	22.47	22.53	22.47	22.36		
15	QPSK	96	82	22.53	22.44	22.50	22.44	22.35		
15	16QAM	1	0	22.50	22.82	22.86	22.83	22.74		23.3
15	16QAM	1	37	22.49	22.74	22.78	22.76	22.64		
15	16QAM	1	74	22.55	22.84	22.84	22.81	22.80		
15	16QAM	96	0	21.54	21.44	21.51	21.43	21.37		22.3
15	16QAM	96	30	21.50	21.45	21.52	21.44	21.37		
15	16QAM	96	56	21.58	21.45	21.52	21.44	21.36		
15	16QAM	96	82	21.54	21.44	21.52	21.42	21.37		
15	16QAM	1	0	21.42	21.60	21.67	21.35	21.55		22.3
15	64QAM	1	37	21.34	21.37	21.41	21.24	21.30		22.3
15	64QAM	1	74	21.45	21.36	21.74	21.34	21.56		
15	64QAM	96	0	20.48	20.42	20.50	20.40	20.33		21.3
15	64QAM	96	30	20.53	20.42	20.51	20.44	20.36		
15	64QAM	96	56	20.54	20.47	20.53	20.45	20.37		
15	64QAM	96	82	20.53	20.43	20.51	20.46	20.36		
15	256QAM	1	0	18.52	18.57	18.55	18.45	18.35		19.3
15	256QAM	1	37	18.43	18.44	18.45	18.35	18.30		
15	256QAM	1	74	18.50	18.59	18.49	18.50	18.46		
15	256QAM	96	0	18.24	18.45	18.70	18.52	18.70		19.3
15	256QAM	96	30	18.35	18.40	18.70	18.65	18.67		
15	256QAM	96	56	18.22	18.56	18.70	18.60	18.59		
15	256QAM	96	82	18.25	18.40	18.70	18.47	18.58		
Channel				39760	40160	40560	41060	41460		
Frequency (MHz)				2502.5	2543.5	2583.5	2624.5	2664.5		
10	QPSK	1	0	23.48	23.37	23.48	23.36	23.27		23.80
10	QPSK	1	25	23.37	23.30	23.32	23.31	23.25		
10	QPSK	1	40	23.45	23.38	23.45	23.40	23.31		
10	QPSK	25	0	22.43	22.38	22.45	22.42	22.31		23.3
10	QPSK	25	12	22.47	22.40	22.46	22.40	22.30		
10	QPSK	25	25	22.51	22.41	22.46	22.44	22.37		
10	QPSK	50	0	22.52	22.40	22.48	22.40	22.28		
10	16QAM	1	0	22.88	22.81	22.76	22.80	22.66		23.3
10	16QAM	1	25	22.82	22.67	22.76	22.89	22.69		
10	16QAM	1	40	22.87	22.79	22.85	22.80	22.76		
10	16QAM	25	0	21.51	21.41	21.48	21.42	21.36		22.3
10	16QAM	25	12	21.46	21.36	21.43	21.37	21.30		
10	16QAM	25	25	21.52	21.35	21.43	21.36	21.29		
10	16QAM	50	0	21.50	21.34	21.44	21.33	21.37		
10	64QAM	1	0	21.37	21.69	21.66	21.26	21.53		22.3
10	64QAM	1	25	21.34	21.38	21.47	21.16	21.50		
10	64QAM	1	40	21.40	21.29	21.69	21.31	21.26		
10	64QAM	25	0	20.46	20.37	20.41	20.36	20.28		21.3
10	64QAM	25	12	20.47	20.37	20.42	20.38	20.31		
10	64QAM	25	25	20.51	20.43	20.52	20.42	20.37		
10	64QAM	50	0	20.45	20.33	20.40	20.34	20.26		
10	256QAM	1	0	18.48	18.53	18.35	18.49	18.41		19.3
10	256QAM	1	25	18.37	18.38	18.39	18.26	18.32		
10	256QAM	1	40	18.47	18.53	18.43	18.26	18.42		
10	256QAM	25	0	18.24	18.61	18.70	18.50	18.73		19.3
10	256QAM	25	12	18.31	18.53	18.66	18.52	18.66		
10	256QAM	25	25	18.15	18.48	18.74	18.51	18.53		
10	256QAM	50	0	18.18	18.55	18.60	18.46	18.49		
Channel				39750	40145	40540	41045	41440		
Frequency (MHz)				2501.5	2542.5	2581.5	2622.5	2661.5		
5	QPSK	1	0	23.44	23.37	23.42	23.30	23.20		23.80
5	QPSK	1	12	23.42	23.37	23.30	23.37	23.19		
5	QPSK	1	24	23.43	23.37	23.40	23.42	23.27		
5	QPSK	12	0	22.45	22.45	22.46	22.36	22.26		23.3
5	QPSK	12	7	22.51	22.40	22.44	22.42	22.30		
5	QPSK	12	13	22.48	22.40	22.48	22.45	22.32		
5	QPSK	25	0	22.45	22.38	22.43	22.41	22.26		23.3
5	16QAM	1	0	22.80	22.74	22.76	22.85	22.72		23.3
5	16QAM	1	12	22.88	22.67	22.74	22.88	22.54		
5	16QAM	1	24	22.84	22.76	22.80	22.72	22.75		
5	16QAM	12	0	21.45	21.37	21.50	21.39	21.30		22.3
5	16QAM	12	7	21.52	21.44	21.46	21.41	21.36		
5	16QAM	12	13	21.54	21.36	21.44	21.30	21.34		
5	16QAM	25	0	21.49	21.44	21.52	21.40	21.28		22.3
5	64QAM	1	0	21.32	21.52	21.58	21.28	21.45		
5	64QAM	1	12	21.24	21.31	21.31	21.19	21.29		
5	64QAM	1	24	21.37	21.30	21.70	21.04	21.50		21.3
5	64QAM	12	0	20.47	20.42	20.46	20.38	20.26		
5	64QAM	12	7	20.45	20.35	20.43	20.42	20.33		
5	64QAM	12	13	20.44	20.41	20.43	20.30	20.37		
5	64QAM	25	0	20.48	20.33	20.44	20.30	20.36		19.3
5	256QAM	1	0	18.50	18.56	18.41	18.43	18.37		
5	256QAM	1	12	18.38	18.34	18.42	18.36	18.31		
5	256QAM	1	24	18.42	18.53	18.40	18.23	18.42		
5	256QAM	12	0	18.18	18.59	18.73	18.49	18.73		19.3
5	256QAM	12	7	18.25	18.59	18.67	18.49	18.66		
5	256QAM	12	13	18.13	18.50	18.70	18.58	18.50		
5	256QAM	25	0	18.19	18.54	18.69	18.38	18.50		

Band 41 PC3_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power Low Hgh. Freq.	Power High Ch. Freq.	Power High Mid. Freq.	Power High Hgh. Freq.	Time-up limit (dBm)
Channel				39750	40165	40580	41000	41400	41800	
Frequency (MHz)				22.01	21.95	21.99	21.91	21.84	21.84	
20	QPSK	1	0	22.01	21.95	21.99	21.91	21.84	21.84	22.1
20	QPSK	1	40	22.01	21.95	21.95	21.87	21.79	21.79	
20	QPSK	1	80	22.01	21.97	22.00	21.95	21.82	21.82	
20	QPSK	50	0	22.01	21.97	22.04	21.95	21.86	21.86	
20	QPSK	50	24	22.01	22.03	22.10	22.00	21.88	21.88	22.1
20	QPSK	50	48	22.01	21.99	22.06	21.99	21.86	21.86	
20	QPSK	100	0	22.01	21.99	22.07	21.99	21.86	21.86	
20	16QAM	1	0	22.01	22.01	22.05	22.05	21.90	21.90	
20	16QAM	1	40	22.01	22.02	22.00	22.01	21.81	21.81	22.1
20	16QAM	1	80	22.01	22.00	22.04	21.95	21.86	21.86	
20	16QAM	50	24	21.23	21.23	21.25	21.21	21.11	21.11	
20	16QAM	50	50	21.30	21.21	21.26	21.19	21.08	21.08	
20	16QAM	100	0	21.25	21.21	21.27	21.17	21.08	21.08	22
20	64QAM	1	0	21.04	20.92	20.98	20.99	20.87	20.87	
20	64QAM	1	40	20.95	20.89	20.96	20.87	20.82	20.82	
20	64QAM	1	80	21.03	21.02	21.08	20.97	20.89	20.89	
20	64QAM	50	0	20.28	20.23	20.25	20.19	20.11	20.11	21
20	64QAM	50	24	20.22	20.26	20.28	20.23	20.11	20.11	
20	64QAM	50	50	20.30	20.25	20.25	20.23	20.10	20.10	
20	256QAM	1	0	18.35	17.93	18.14	18.16	17.89	17.89	
20	256QAM	1	40	18.13	17.91	18.12	18.01	17.86	17.86	
20	256QAM	1	80	18.11	17.88	18.11	17.91	17.80	17.80	19
20	256QAM	50	0	18.35	18.21	18.41	18.27	18.30	18.30	
20	256QAM	50	24	18.42	18.18	18.34	18.29	18.24	18.24	
20	256QAM	50	50	18.41	18.26	18.32	18.29	18.26	18.26	19
20	256QAM	100	0	18.30	18.17	18.19	18.17	18.10	18.10	
Channel				39750	40173	40580	41000	41400	41800	
Frequency (MHz)				22.01	21.95	21.99	21.91	21.84	21.84	
16	QPSK	1	0	22.01	21.94	21.99	21.91	21.84	21.84	22.1
16	QPSK	1	40	22.01	21.94	21.95	21.89	21.79	21.79	
16	QPSK	1	80	22.01	21.99	22.04	21.99	21.91	21.91	
16	QPSK	50	0	21.99	21.93	22.00	21.99	21.90	21.90	
16	QPSK	25	12	21.98	21.96	22.01	21.98	21.89	21.89	22.1
16	QPSK	25	36	22.01	21.97	22.04	21.99	21.89	21.89	
16	QPSK	50	0	22.03	21.98	22.07	22.00	21.91	21.91	
16	16QAM	1	0	22.07	21.97	22.06	22.01	21.84	21.84	
16	16QAM	1	40	21.94	21.90	22.04	21.95	21.86	21.86	22.1
16	16QAM	1	80	22.09	21.99	22.05	22.00	21.80	21.80	
16	16QAM	25	0	21.24	21.17	21.25	21.17	21.12	21.12	
16	16QAM	25	12	21.25	21.17	21.24	21.18	21.12	21.12	
16	16QAM	25	36	21.27	21.18	21.27	21.19	21.14	21.14	22
16	16QAM	50	0	21.27	21.17	21.27	21.18	21.11	21.11	
16	16QAM	50	12	21.29	21.19	21.29	21.20	21.09	21.09	
16	16QAM	50	24	21.01	20.90	21.09	21.00	20.93	20.93	
16	64QAM	1	0	21.01	20.90	21.15	21.05	20.99	20.99	22
16	64QAM	25	0	20.24	20.19	20.26	20.19	20.13	20.13	
16	64QAM	25	12	20.24	20.20	20.24	20.19	20.12	20.12	
16	64QAM	25	36	20.24	20.20	20.26	20.21	20.15	20.15	
16	64QAM	50	0	20.26	20.20	20.28	20.23	20.13	20.13	21
16	256QAM	1	0	18.13	18.06	18.13	18.10	18.01	18.01	
16	256QAM	1	25	18.14	18.02	18.24	18.03	17.89	17.89	
16	256QAM	1	40	18.07	17.94	18.16	18.05	17.85	17.85	
16	256QAM	25	0	18.43	18.28	18.31	18.28	18.28	18.28	
16	256QAM	25	12	18.48	18.15	18.34	18.32	18.25	18.25	19
16	256QAM	25	36	18.31	18.31	18.35	18.21	18.22	18.22	
16	256QAM	50	0	18.23	18.13	18.15	18.08	18.08	18.08	
Channel				39750	40148	40580	41000	41400	41800	
Frequency (MHz)				22.01	21.95	21.99	21.91	21.84	21.84	
5	QPSK	1	0	22.01	21.88	22.00	21.95	21.84	21.84	22.1
5	QPSK	1	12	21.84	21.84	21.88	21.82	21.76	21.76	
5	QPSK	1	24	21.97	21.93	22.00	21.96	21.87	21.87	
5	QPSK	12	0	21.94	21.85	21.96	21.89	21.87	21.87	
5	QPSK	12	7	21.99	21.91	21.99	21.96	21.89	21.89	22.1
5	QPSK	12	13	21.99	21.89	21.95	21.92	21.85	21.85	
5	QPSK	25	0	21.98	21.87	22.05	21.98	21.88	21.88	
5	16QAM	1	0	22.01	21.90	22.00	21.91	21.86	21.86	
5	16QAM	1	12	21.91	21.83	21.96	21.87	21.80	21.80	22.1
5	16QAM	1	24	22.00	21.93	22.08	21.99	21.92	21.92	
5	16QAM	12	0	21.23	21.11	21.21	21.16	21.07	21.07	
5	16QAM	12	7	21.17	21.11	21.14	21.13	21.09	21.09	
5	16QAM	12	13	21.25	21.16	21.19	21.19	21.04	21.04	22
5	16QAM	25	0	21.17	21.07	21.27	21.23	21.05	21.05	
5	64QAM	1	0	21.05	20.80	21.04	21.00	20.89	20.89	
5	64QAM	12	0	21.01	20.80	21.05	20.99	20.91	20.91	
5	64QAM	1	24	21.00	20.87	21.10	21.05	20.96	20.96	22
5	64QAM	12	0	20.23	20.12	20.21	20.16	20.11	20.11	
5	64QAM	12	7	20.15	20.11	20.22	20.16	20.07	20.07	
5	64QAM	12	13	20.24	20.13	20.17	20.13	20.08	20.08	
5	256QAM	1	0	20.17	20.10	20.22	20.20	20.03	20.03	19
5	256QAM	1	0	18.14	18.02	18.12	18.08	18.01	18.01	
5	256QAM	1	12	18.19	17.97	18.16	17.97	17.81	17.81	
5	256QAM	1	24	18.30	18.24	18.32	18.28	18.24	18.24	
5	256QAM	12	0	18.42	18.17	18.34	18.32	18.25	18.25	
5	256QAM	12	13	18.27	18.24	18.26	18.20	18.22	18.22	



Band 38 PC2_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Total up limit [dBm]				
Channel				37800	38000	38175					
Frequency [MHz]				24.70	24.70	24.70					
20	QPSK	1	0	24.62	24.64	24.67	25				
20	QPSK	1	46	24.70	24.73	24.75					
20	QPSK	1	90	24.68	24.68	24.70					
20	QPSK	80	0	23.61	23.62	23.62					
20	QPSK	50	24	23.62	23.68	23.67	24.1				
20	QPSK	50	46	23.61	23.64	23.68					
20	QPSK	100	0	23.63	23.65	23.67					
20	16QAM	1	0	24.04	24.08	24.11					
20	16QAM	1	46	23.93	23.98	24.00	24.1				
20	16QAM	1	90	24.10	24.11	24.11					
20	16QAM	50	0	22.88	22.93	22.97					
20	16QAM	50	24	22.89	22.95	22.97					
20	16QAM	50	50	22.71	22.72	22.75	23				
20	16QAM	100	0	22.68	22.72	22.75					
20	64QAM	1	0	22.51	22.74	22.80					
20	64QAM	1	46	22.61	22.85	22.97					
20	64QAM	1	90	22.91	22.94	22.95	22				
20	64QAM	50	0	21.65	21.68	21.70					
20	64QAM	50	24	21.66	21.70	21.73					
20	64QAM	50	50	21.09	21.05	21.15					
20	64QAM	100	0	21.88	21.88	21.70	20				
20	256QAM	1	0	19.48	19.53	19.54					
20	256QAM	1	46	19.33	19.45	19.22					
20	256QAM	1	90	19.47	19.45	19.50					
20	256QAM	50	0	19.35	19.75	19.46	20				
20	256QAM	50	24	19.50	19.70	19.44					
20	256QAM	50	50	19.50	19.61	19.67					
20	256QAM	100	0	19.52	19.68	19.55					
Channel				37820	38000	38175	Total up limit [dBm]				
Frequency [MHz]				24.72	24.66	24.53					
15	QPSK	1	0	24.62	24.60	24.61	25				
15	QPSK	1	37	24.60	24.72	24.72					
15	QPSK	1	74	24.08	24.68	24.67					
15	QPSK	36	0	23.55	23.53	23.57					
15	QPSK	36	26	23.62	23.63	23.59	24.1				
15	QPSK	36	36	23.53	23.50	23.61					
15	QPSK	75	0	23.60	23.59	23.59					
15	16QAM	1	0	24.04	24.04	24.02					
15	16QAM	1	37	23.88	23.89	23.85	24.1				
15	16QAM	1	74	24.08	24.05	24.11					
15	16QAM	36	0	22.63	22.55	22.63					
15	16QAM	36	20	22.64	22.70	22.75					
15	16QAM	36	36	22.65	22.68	22.73	23				
15	16QAM	75	0	22.67	22.62	22.75					
15	64QAM	1	0	22.42	22.69	22.84					
15	64QAM	1	37	22.75	22.94	22.88					
15	64QAM	1	74	22.92	22.85	22.86	22				
15	64QAM	36	0	21.62	21.61	21.65					
15	64QAM	36	20	21.63	21.70	21.73					
15	64QAM	36	36	21.61	21.67	21.67					
15	64QAM	75	0	21.65	21.65	21.60	20				
15	256QAM	1	0	19.44	19.44	19.52					
15	256QAM	1	37	19.45	19.44	19.44					
15	256QAM	1	74	19.45	19.51	19.51					
15	256QAM	36	0	19.45	19.66	19.59					
15	256QAM	36	26	19.40	19.53	19.41					
15	256QAM	36	36	19.40	19.53	19.46					
15	256QAM	75	0	19.50	19.65	19.46					
Channel				37760	38000	38025	Total up limit [dBm]				
Frequency [MHz]				24.75	24.66	24.55					
10	QPSK	1	0	24.54	24.61	24.61	25				
10	QPSK	1	26	24.62	24.65	24.70					
10	QPSK	1	49	24.59	24.59	24.68					
10	QPSK	25	0	23.61	23.62	23.55					
10	QPSK	25	12	23.52	23.64	23.64	24.1				
10	QPSK	25	25	23.55	23.65	23.64					
10	QPSK	80	0	23.61	23.64	23.59					
10	16QAM	1	0	24.04	23.97	24.04					
10	16QAM	1	26	23.87	23.94	23.98	24.1				
10	16QAM	1	49	24.01	24.03	24.09					
10	16QAM	25	0	22.60	22.62	22.65					
10	16QAM	25	12	22.67	22.74	22.79					
10	16QAM	25	25	22.69	22.69	22.71	23				
10	16QAM	80	0	22.64	22.65	22.71					
10	64QAM	1	0	22.47	22.70	22.80					
10	64QAM	1	26	22.61	22.85	22.89					
10	64QAM	1	49	22.87	22.86	22.91	22				
10	64QAM	25	0	21.69	21.59	21.61					
10	64QAM	25	12	21.65	21.68	21.70					
10	64QAM	25	26	21.63	21.65	21.69					
10	64QAM	50	0	21.64	21.64	21.62	20				
10	256QAM	1	0	19.36	19.40	19.39					
10	256QAM	1	26	19.33	19.45	19.38					
10	256QAM	1	49	19.45	19.33	19.31					
10	256QAM	25	0	19.48	19.68	19.45	20				
10	256QAM	25	12	19.58	19.65	19.36					
10	256QAM	25	25	19.44	19.65	19.54					
10	256QAM	50	0	19.45	19.60	19.55					
19.45	19.60	19.55	19.55								

Band 38 PC3_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Total up limit [dBm]				
Channel				37800	38000	38100					
Frequency [MHz]				22.62	22.65	22.69					
20	QPSK	1	0	22.62	22.65 <td>22.69</td> <td rowspan="4">23.4</td> <td rowspan="4"></td> <td rowspan="4"></td>	22.69	23.4				
20	QPSK	1	46	22.61	22.63	22.65					
20	QPSK	1	90	22.64	22.66	22.71					
20	QPSK	80	0	22.16	22.17	22.16					
20	QPSK	50	24	22.19	22.22	22.20	22.9				
20	QPSK	50	46	22.17	22.18	22.20					
20	QPSK	100	0	22.18	22.18	22.19					
20	16QAM	1	0	22.17	22.35	22.29					
20	16QAM	1	90	22.28	22.42	22.33	22.9				
20	16QAM	1	21	21.16	21.20	21.21					
20	16QAM	50	24	21.20	21.25	21.24					
20	16QAM	50	50	21.19	21.22	21.21					
20	16QAM	100	0	21.22	21.18	21.22	21.9				
20	64QAM	1	0	21.13	20.99	21.11					
20	64QAM	1	46	21.07	21.05	21.06					
20	64QAM	1	90	21.18	21.03	21.15					
20	64QAM	50	0	20.19	20.21	20.21	20.9				
20	64QAM	50	24	20.21	20.24	20.21					
20	64QAM	50	50	20.19	20.22	20.22					
20	64QAM	100	0	20.17	20.20	20.22					
20	256QAM	1	0	18.02	18.01	18.06	18.9				
20	256QAM	1	46	18.01	18.00	18.02					
20	256QAM	50	0	18.32	18.31	18.30					
20	256QAM	50	24	18.30	18.28	18.27					
20	256QAM	50	50	18.27	18.16	18.20	18.9				
20	256QAM	50	24	18.27	18.16	18.20					
20	256QAM	100	0	18.18	18.05	18.14					
Channel				37775	38000	38025	Total up limit [dBm]				
Frequency [MHz]				22.675	22.66	22.615					
15	QPSK	1	0	22.64	22.67	22.68	23.4				
15	QPSK	1	37	22.66	22.65	22.63					
15	QPSK	1	74	22.70	22.68	22.69					
15	QPSK	36	0	22.21	22.18	22.17					
15	QPSK	36	26	22.21	22.15	22.18	22.9				
15	QPSK	36	36	22.22	22.20	22.18					
15	QPSK	75	0	22.22	22.19	22.17					
15	16QAM	1	0	22.23	22.20	22.23					
15	16QAM	1	37	22.29	22.27	22.25	22.9				
15	16QAM	1	74	22.31	22.20	22.28					
15	16QAM	36	0	21.19	21.17	21.17					
15	16QAM	36	20	21.20	21.18	21.20					
15	16QAM	36	36	21.22	21.17	21.20	21.9				
15	16QAM	75	0	21.23	21.21	21.19					
15	64QAM	1	0	21.10	21.18	21.03					
15	64QAM	1	37	21.12	21.16	20.99					
15	64QAM	1	74	21.12	21.23	21.07	20.9				
15	64QAM	36	0	20.21	20.16	20.11					
15	64QAM	36	20	20.21	20.21	20.18					
15	64QAM	36	36	20.23	20.20	20.18					
15	64QAM	75	0	20.24	20.22	20.18	19.9				
15	256QAM	1	0	17.99	18.01	17.99					
15	256QAM	1	37	17.97	17.97	17.98					
15	256QAM	1	74	17.92	17.91	17.90					
15	256QAM	36	0	18.28	18.16	18.26					
15	256QAM	36	26	18.27	18.15	18.25	18.9				
15	256QAM	36	36	18.25	18.12	18.17					
15	256QAM	75	0	18.14	18.01	18.11					
Channel				37790	38000	38025	Total up limit [dBm]				
Frequency [MHz]				22.675	22.66	22.615					
10	QPSK	1	0	22.62	22.63	22.61	23.4				
10	QPSK	1	26	22.58	22.56	22.62					
10	QPSK	1	49	22.55	22.68	22.63					
10	QPSK	25	0	22.15	22.07	22.07					
10	QPSK	25	12	22.17	22.13	22.20	22.9				
10	QPSK	25	25	22.17	22.09	22.13					
10	QPSK	80	0	22.17	22.09	22.15					
10	16QAM	1	0	22.07	22.28	22.27					
10	16QAM	1	26	22.07	22.20	22.26	22.9				
10	16QAM	1	49	22.23	22.40	22.39					
10	16QAM	25	0	21.12	21.16	21.16					
10	16QAM	25	12	21.10	21.17	21.16					
10	16QAM	25	25	21.15	21.18	21.19	21.9				
10	16QAM	80	0	21.16	21.09	21.17					
10	64QAM	1	0	21.04	20.90	21.00					
10	64QAM	1	26	21.01	20.99	20.98					
10	64QAM	1	49	21.18	21.03	21.07	20.9				
10	64QAM	25	0	20.17	20.19	20.19					
10	64QAM	25	12	20.12	20.23	20.19					
10	64QAM	25	26	20.16	20.20	20.19					
10	64QAM	50	0	20.07	20.12	20.15	19.9				
10	256QAM	1	0	17.97	17.98	17.98					
10	256QAM	1	26	17.95	17.92	18.00					
10	256QAM	1	49	18.02	17.92	18.02					
10	256QAM	25	0	18.24	18.20	18.26	18.9				
10	256QAM	25	12	18.29	18.16	18.20					
10	256QAM	25	25	18.17	18.16	18.15					
10	256QAM	50	0	18.08	18.01	18.04					
Channel				37775	38000	38025	Total up limit [dBm]				
Frequency [MHz]				22.63	22.58	22.63					
5	QPSK	1	0	22.63	22.58 <td>22.63</td> <td rowspan="4">23.4</td> <td rowspan="4"></td> <td rowspan="4"></td>	22.63	23.4				
5	QPSK	1	12	22.61	22.56	22.62					
5	QPSK	1	24	22.62	22.60	22.63					
5	QPSK	12	0	22.15	22.08	22.14					
5	QPSK	12	7	22.16	22.07	22.14	22.9				
5	QPSK	12	13	22.13	22.15	22.14					
5	QPSK	25	0	22.11	22.17	22.08					
5	16QAM	1	0	22.13	22.34	22.24					
5	16QAM	1	12	22.04	22.20	22.21	22.9				
5	16QAM	1	24	22.24	22.38	22.33					
5	16QAM	12	0	21.14	21.16	21.10					
5	16QAM	12	7	21.15	21.15	21.20					
5	16QAM	12	14	21.10	21.21	21.20	21.9				
5	16QAM	35	0	21.19	21.18	21.15					
5	64QAM	1	0	21.05	20.90	21.04					
5	64QAM	1	12	21.05	20.92	20.98					
5	64QAM	1	24	21.15	20.96	21.15	20.9				
5	64QAM	12	0	20.10	20.19	20.17					
5	64QAM	12	7	20.11	20.18	20.22					
5	64QAM	12	13	20.12	20.22	20.21					
5	64QAM	35	0	20.15	20.13	20.17	19.9				
5	256QAM	1	0	17.98	17.99	18.01					
5	256QAM	1	12	17.97	17.97	18.00					
5	256QAM	1	24	17.97	18.01	17.97					
5	256QAM	12	0	18.26	18.17	18.20					
5	256QAM	12	7	18.20	18.15	18.20	18.9				
5	256QAM	12	13	18.18	18.15	18.10					
5	256QAM	25	0	18.16	18.05	18.10					

Band 41 PC2_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power Low Hgh. Freq.	Power High Ch. Freq.	Power High Mid. Freq.	Power High Hgh. Freq.	Time-up limit (dBm)
Channel				39750	40165	40580	41000	41400	41800	
Frequency (MHz)				24.57	24.58	24.64	24.64	24.64	24.67	
20	QPSK	1	0	24.57	24.58	24.64	24.64	24.64	24.67	25
20	QPSK	1	40	24.70	24.66	24.72	24.82	24.84	24.84	
20	QPSK	1	80	24.71	24.59	24.71	24.82	24.82	24.82	
20	QPSK	50	0	23.67	23.64	23.70	23.83	23.88	23.88	24.1
20	QPSK	50	24	23.70	23.69	23.73	23.86	23.88	23.87	
20	QPSK	50	40	23.72	23.66	23.70	23.85	23.84	23.84	
20	QPSK	100	0	23.77	23.68	23.75	23.89	23.88	23.88	
20	16QAM	1	0	24.11	24.01	24.06	24.00	23.91		24.1
20	16QAM	1	40	24.08	23.80	24.10	23.79	23.71		
20	16QAM	1	80	24.08	24.03	24.11	23.89	23.80		
20	16QAM	50	0	22.72	22.70	22.74	22.86	22.86		23
20	16QAM	50	24	22.77	22.75	22.75	22.71	22.67		
20	16QAM	50	50	22.78	22.76	22.77	22.72	22.61		
20	16QAM	100	0	22.75	22.60	22.77	22.71	22.60		
20	64QAM	1	0	22.88	22.50	22.85	22.61	22.41		23
20	64QAM	1	40	22.80	22.78	22.87	22.75	22.61		
20	64QAM	1	80	22.88	22.80	22.90	22.83	22.72		
20	64QAM	50	0	21.77	21.68	21.79	21.67	21.61		22
20	64QAM	50	24	21.72	21.66	21.78	21.66	21.61		
20	64QAM	50	50	21.75	21.70	21.77	21.65	21.50		
20	64QAM	100	0	21.75	21.68	21.75	21.67	21.58		
20	256QAM	1	0	19.47	19.35	19.35	19.35	19.35		20
20	256QAM	1	40	19.48	19.36	19.44	19.36	19.38		
20	256QAM	50	0	19.50	19.38	19.41	19.39	19.41		
20	256QAM	50	24	19.52	19.48	19.54	19.53	19.55		20
20	256QAM	50	50	19.57	19.61	19.71	19.48	19.72		
20	256QAM	100	0	19.52	19.50	19.56	19.53	19.58		
20	256QAM	100	0	19.58	19.57	19.64	19.49	19.48		
Channel				39750	40173	40580	41000	41615	41915	
Frequency (MHz)				24.615	24.615	24.61	24.61	24.61	24.61	
15	QPSK	1	0	24.58	24.53	24.64	24.46	24.45		25.00
15	QPSK	1	40	24.71	24.63	24.83	24.60	24.54		
15	QPSK	1	80	24.65	24.58	24.62	24.80	24.48		
15	QPSK	36	0	23.68	23.62	23.63	23.88	23.48		24.1
15	QPSK	36	20	23.62	23.67	23.65	23.84	23.57		
15	QPSK	36	36	23.78	23.65	23.60	23.55	23.48		
15	QPSK	72	0	23.73	23.68	23.64	23.67	23.58		24.1
15	16QAM	1	0	24.07	23.92	24.08	23.92	23.88		
15	16QAM	1	37	23.97	23.75	24.15	23.78	23.67		
15	16QAM	36	0	24.07	23.93	24.07	23.87	23.81		
15	16QAM	36	0	22.68	22.69	22.84	22.84	22.83		23
15	16QAM	36	20	22.77	22.69	22.74	22.71	22.61		
15	16QAM	36	36	22.77	22.71	22.68	22.65	22.57		
15	16QAM	72	0	22.78	22.62	22.75	22.83	22.51		23
15	16QAM	1	0	22.65	22.48	22.67	22.63	22.39		
15	16QAM	37	0	22.60	22.78	22.65	22.72	22.58		
15	64QAM	1	74	22.88	22.52	22.89	22.53	22.63		22
15	64QAM	36	0	21.77	21.67	21.65	21.65	21.58		
15	64QAM	36	20	21.75	21.64	21.73	21.65	21.51		
15	64QAM	36	36	21.76	21.62	21.67	21.67	21.52		
15	256QAM	1	0	19.51	19.50	19.70	19.61	19.53		20
15	256QAM	1	0	19.41	19.48	19.47	19.50	19.29		
15	256QAM	1	40	19.45	19.35	19.51	19.24	19.35		
15	256QAM	36	0	19.23	19.41	19.82	19.52	19.62		
15	256QAM	36	20	19.35	19.52	19.68	19.39	19.68		
15	256QAM	36	36	19.09	19.46	19.61	19.45	19.57		
15	256QAM	72	0	19.19	19.47	19.54	19.44	19.38		
Channel				39750	40185	40580	41000	41665	41965	
Frequency (MHz)				24.615	24.615	24.61	24.61	24.61	24.61	
10	QPSK	1	0	24.52	24.46	24.55	24.53	24.47		25.00
10	QPSK	1	25	24.68	24.53	24.68	24.52	24.51		
10	QPSK	1	40	24.68	24.58	24.71	24.53	24.47		
10	QPSK	1	80	24.61	24.61	24.68	24.58	24.48		24.1
10	QPSK	25	12	23.61	23.64	23.71	23.65	23.52		
10	QPSK	25	20	23.75	23.58	23.65	23.59	23.46		
10	QPSK	50	0	23.71	23.58	23.65	23.58	23.46		24.1
10	16QAM	1	0	24.03	23.95	23.97	23.92	23.89		
10	16QAM	1	36	23.95	23.75	24.17	23.71	23.60		
10	16QAM	1	40	24.07	23.95	24.09	23.96	23.88		
10	16QAM	25	0	23.72	22.69	22.74	22.56	22.53		23
10	16QAM	25	12	23.71	22.65	22.71	22.65	22.61		
10	16QAM	25	25	22.68	22.70	22.69	22.63	22.56		
10	16QAM	50	0	22.72	22.62	22.71	22.51	22.53		
10	16QAM	50	0	22.68	22.47	22.65	22.57	22.50		
10	64QAM	1	25	22.88	22.78	22.87	22.85	22.58		23
10	64QAM	1	40	22.80	22.59	22.82	22.52	22.67		
10	64QAM	25	0	21.67	21.66	21.72	21.67	21.53		22
10	64QAM	25	12	21.74	21.61	21.72	21.61	21.57		
10	64QAM	25	25	21.74	21.63	21.76	21.59	21.50		
10	64QAM	50	0	21.71	21.64	21.75	21.57	21.48		
10	256QAM	1	0	19.43	19.45	19.49	19.29	19.36		20
10	256QAM	1	25	19.43	19.35	19.36	19.19	19.38		
10	256QAM	1	40	19.44	19.49	19.38	19.26	19.37		
10	256QAM	25	0	19.20	19.37	19.62	19.44	19.62		
10	256QAM	25	12	19.29	19.60	19.67	19.36	19.63		20
10	256QAM	25	25	19.12	19.43	19.63	19.43	19.54		
10	256QAM	50	0	19.20	19.58	19.69	19.39	19.57		
Channel				39975	40148	40580	41000	41665	41965	
Frequency (MHz)				24.665	24.615	24.61	24.61	24.61	24.61	
5	QPSK	1	0	24.65	24.55	24.64	24.51	24.43		25.00
5	QPSK	1	12	24.72	24.56	24.64	24.61	24.53		
5	QPSK	1	24	24.61	24.62	24.67	24.66	24.52		
5	QPSK	12	0	23.63	23.57	23.61	23.55	23.50		24.1
5	QPSK	12	7	23.62	23.67	23.64	23.58	23.47		
5	QPSK	12	13	23.75	23.65	23.65	23.55	23.45		
5	QPSK	25	0	23.74	23.59	23.69	23.67	23.48		24.1
5	16QAM	1	0	24.07	24.00	24.05	23.99	23.86		
5	16QAM	1	12	23.99	23.77	24.16	23.71	23.71		24.1
5	16QAM	1	24	24.02	23.96	24.02	23.95	23.81		
5	16QAM	12	0	22.75	22.62	22.74	22.63	22.54		23
5	16QAM	12	7	22.67	22.63	22.78	22.62	22.62		
5	16QAM	12	13	22.74	22.70	22.77	22.66	22.57		
5	16QAM	25	0	22.74	22.61	22.70	22.65	22.58		
5	64QAM	1	0	22.61	22.42	22.65	22.61	22.39		23
5	64QAM	1	12	22.66	22.72	22.79	22.76	22.58		
5	64QAM	1	24	22.62	22.57	22.62	22.53	22.71		
5	64QAM	12	0	21.67	21.65	21.67	21.61	21.61		22
5	64QAM	12	7	21.62	21.65	21.72	21.63	21.58		
5	64QAM	12	13	21.78	21.61	21.77	21.68	21.67		
5	64QAM	25	0	21.68	21.56	21.68	21.58	21.52		
5	256QAM	1	0	19.41	19.52	19.42	19.39	19.29		20
5	256QAM	1	12	19.46	19.52	19.36	19.25	19.53		
5	256QAM	24	0	19.50	19.48	19.36	19.27	19.59		
5	256QAM	12	0	19.21	19.45	19.77	19.50	19.60		20
5	256QAM	12	7	19.31	19.56	19.65	19.38	19.69		
5	256QAM	12	13	19.08	19.52	19.55	19.50	19.58		
5	256QAM	25	0	19.20	19.50	19.61	19.46	19.38		

Band 41 PC3_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Side Ch. F (MHz)	Power Low Middle Ch. F (MHz)	Power Low High Side Ch. F (MHz)	Power High Side Ch. F (MHz)	Power High Ch. F (MHz)	Time-up limit (dBm)
Channel									
Frequency (MHz)				39750	40165	40580	41000	41400	
				22.73	22.70	22.72	22.73	22.98	
20	QPSK	1	0	22.73	22.65	22.67	22.69	22.54	23.4
20	QPSK	1	40	22.76	22.78	22.72	22.65	22.59	
20	QPSK	50	0	22.27	22.29	22.24	22.14	22.07	
20	QPSK	50	24	22.29	22.27	22.27	22.18	22.08	
20	QPSK	50	40	22.30	22.26	22.24	22.18	22.07	
20	QPSK	100	0	22.30	22.25	22.24	22.19	22.07	
20	16QAM	1	0	22.28	22.24	22.27	22.12	22.22	
20	16QAM	1	40	22.28	22.18	22.18	22.03	22.13	
20	16QAM	1	96	22.29	22.33	22.32	22.18	22.27	
20	16QAM	50	0	21.21	21.22	21.24	21.15	21.06	
20	16QAM	50	24	21.23	21.25	21.27	21.15	21.10	
20	16QAM	50	50	21.31	21.24	21.26	21.09	21.08	
20	16QAM	100	0	21.33	21.25	21.25	21.10	21.08	
20	64QAM	1	0	21.09	20.95	21.00	20.90	20.92	
20	64QAM	1	40	21.08	20.92	20.96	21.00	20.98	
20	64QAM	50	0	21.14	21.01	21.00	20.93	20.98	
20	64QAM	50	24	20.20	20.27	20.28	20.17	20.15	
20	64QAM	50	40	20.24	20.20	20.21	20.17	20.15	
20	64QAM	50	96	20.35	20.29	20.25	20.21	20.13	
20	64QAM	100	0	20.30	20.25	20.23	20.18	20.07	
20	256QAM	1	0	18.26	17.93	18.14	18.18	17.89	
20	256QAM	1	40	18.13	17.91	18.12	18.01	17.86	
20	256QAM	50	0	18.11	17.88	18.11	17.91	17.80	
20	256QAM	50	24	18.35	18.21	18.41	18.27	18.30	
20	256QAM	50	50	18.42	18.18	18.34	18.29	18.24	
20	256QAM	100	0	18.41	18.26	18.32	18.29	18.26	
20	256QAM	100	24	18.30	18.17	18.19	18.17	18.10	
Channel									
Frequency (MHz)				39750	40173	40590	41000	41410	
				22.61.5	22.64.3	22.66	22.67.8	22.67.5	
16	QPSK	1	0	22.69	22.69	22.68	22.69	22.53	
16	QPSK	1	40	22.69	22.61	22.65	22.60	22.43	
16	QPSK	1	74	22.72	22.69	22.72	22.63	22.53	
16	QPSK	36	0	22.28	22.22	22.25	22.14	22.11	
16	QPSK	36	20	22.29	22.24	22.23	22.18	22.13	
16	QPSK	36	36	22.29	22.25	22.25	22.19	22.10	
16	QPSK	72	0	22.29	22.24	22.20	22.18	22.09	
16	16QAM	1	0	22.37	22.23	22.27	22.18	22.12	
16	16QAM	1	37	22.32	22.18	22.30	22.15	22.10	
16	16QAM	1	74	21.41	22.28	21.34	22.24	22.19	
16	16QAM	36	0	21.25	21.21	21.24	21.14	21.08	
16	16QAM	36	20	21.28	21.23	21.23	21.14	21.09	
16	16QAM	36	36	21.28	21.23	21.25	21.15	21.09	
16	16QAM	72	0	21.28	21.24	21.27	21.17	21.12	
16	64QAM	1	0	21.06	21.08	20.93	20.92	20.89	
16	64QAM	1	37	21.02	20.94	20.95	20.82	20.74	
16	64QAM	1	74	21.11	21.10	20.97	20.90	20.82	
16	64QAM	36	0	20.29	20.23	20.24	20.15	20.10	
16	64QAM	36	20	20.29	20.24	20.23	20.15	20.12	
16	64QAM	36	36	20.30	20.24	20.26	20.15	20.12	
16	64QAM	72	0	20.29	20.22	20.27	20.16	20.11	
16	256QAM	1	0	18.03	17.87	18.04	18.10	17.86	
16	256QAM	1	37	18.12	17.86	18.06	18.07	17.79	
16	256QAM	1	74	18.11	17.85	18.10	17.85	17.85	
16	256QAM	36	0	18.31	18.15	18.37	18.19	18.21	
16	256QAM	36	20	18.33	18.17	18.36	18.24	18.24	
16	256QAM	36	36	18.34	18.21	18.27	18.02	18.24	
16	256QAM	72	0	18.26	18.15	18.17	18.07	18.06	
Channel									
Frequency (MHz)				39750	40173	40590	41000	41410	
				22.61.5	22.64.3	22.66	22.67.8	22.67.5	
10	QPSK	1	0	22.72	22.65	22.69	22.63	22.59	
10	QPSK	1	25	22.73	22.63	22.61	22.55	22.49	
10	QPSK	1	40	22.71	22.75	22.63	22.59	22.49	
10	QPSK	12	0	22.26	22.16	22.18	22.09	22.07	
10	QPSK	25	12	22.19	22.18	22.27	22.14	22.09	
10	QPSK	25	20	22.22	22.15	22.21	22.07	22.07	
10	QPSK	12	12	22.23	22.18	22.18	22.11	22.07	
10	16QAM	1	0	22.23	22.24	22.20	22.09	22.17	
10	16QAM	1	25	22.21	22.16	22.08	22.03	22.03	
10	16QAM	1	40	22.23	22.21	22.20	22.14	22.21	
10	16QAM	25	0	21.25	21.20	21.22	21.08	22.09	
10	16QAM	25	12	21.28	21.20	21.17	21.09	21.08	
10	16QAM	25	25	21.24	21.20	21.25	21.11	21.02	
10	64QAM	1	0	21.31	21.18	21.23	21.17	22.09	
10	64QAM	1	40	21.09	20.91	20.90	20.83	20.91	
10	64QAM	1	25	21.00	20.87	20.86	20.99	20.91	
10	64QAM	1	40	21.10	20.96	20.97	20.85	20.89	
10	64QAM	25	0	20.31	20.27	20.19	20.11	20.05	
10	64QAM	25	12	20.33	20.22	20.29	20.17	20.09	
10	64QAM	25	25	20.27	20.22	20.21	20.13	20.05	
10	64QAM	50	0	20.25	20.19	20.18	20.15	20.04	
10	256QAM	1	0	17.89	17.80	18.08	18.11	17.87	
10	256QAM	1	25	18.09	17.90	18.07	17.94	17.85	
10	256QAM	1	40	18.03	17.92	18.06	17.91	17.85	
10	256QAM	25	0	18.20	18.21	18.41	18.21	18.30	
10	256QAM	25	12	18.33	18.13	18.24	18.24	18.17	
10	256QAM	25	25	18.30	18.19	18.26	18.00	18.16	
10	256QAM	50	0	18.26	18.15	18.14	18.17	18.00	
Channel									
Frequency (MHz)				39750	40148	40560	41000	41400	
				22.61.5	22.64.3	22.66	22.67.8	22.67.5	
5	QPSK	1	0	22.68	22.60	22.72	22.61	22.52	
5	QPSK	1	12	22.67	22.59	22.68	22.58	22.48	
5	QPSK	1	24	22.75	22.73	22.64	22.64	22.49	
5	QPSK	12	0	22.25	22.22	22.22	22.04	22.03	
5	QPSK	12	7	22.27	22.25	22.24	22.08	21.99	
5	QPSK	12	13	22.24	22.20	22.15	22.15	22.02	
5	QPSK	25	0	22.29	22.22	22.17	22.18	22.04	
5	16QAM	1	0	22.22	22.24	22.22	22.05	22.13	
5	16QAM	1	12	22.27	22.15	22.08	22.02	22.12	
5	16QAM	1	24	22.32	22.30	22.32	22.08	22.21	
5	16QAM	12	0	21.27	21.19	21.24	21.03	21.00	
5	16QAM	12	7	21.27	21.18	21.21	21.11	21.04	
5	16QAM	12	13	21.22	21.21	21.20	21.16	21.02	
5	16QAM	25	0	21.29	21.15	21.22	21.09	21.01	
5	64QAM	1	0	21.08	20.87	20.98	20.85	20.91	
5	64QAM	1	12	21.04	20.82	20.90	20.89	20.95	
5	64QAM	1	24	21.14	20.98	20.90	20.83	20.91	
5	64QAM	12	0	20.29	20.25	20.19	20.07	20.08	
5	64QAM	12	7	20.30	20.23	20.26	20.11	20.06	
5	64QAM	12	13	20.25	20.23	20.19	20.14	20.09	
5	64QAM	25	0	20.29	20.16	20.15	20.08	20.04	
5	256QAM	1	0	18.04	17.90	18.11	18.08	17.82	
5	256QAM	1	12	18.03	17.81	18.05	17.93	17.85	
5	256QAM	1	24	18.11	17.82	18.09	17.81	17.80	
5	256QAM	12	0	18.30	18.11	18.36	18.17	18.28	
5	256QAM	12	7	18.30	18.09	18.28	18.19	18.22	
5	256QAM	12	13	18.41	18.22	18.35	18.29	18.25	
5	256QAM	25	0	18.25	18.14	18.09	18.14	18.08	



Band 38 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Time-up limit [frames]
Channel				37800	38000	38100	
Frequency [MHz]				2470	2480	2490	
20	QPSK	1	0	24.62	24.64	24.67	24.8
20	QPSK	1	46	24.70	24.73	24.75	
20	QPSK	1	90	24.68	24.68	24.70	
20	QPSK	80	0	23.61	23.62	23.62	24.1
20	QPSK	80	24	23.62	23.68	23.67	
20	QPSK	80	50	23.61	23.64	23.68	
20	QPSK	160	0	23.63	23.65	23.67	24.1
20	16QAM	1	0	24.04	24.08	24.11	
20	16QAM	1	46	23.93	23.95	23.98	
20	16QAM	1	90	24.10	24.11	24.11	23.1
20	16QAM	80	0	22.88	22.93	22.93	
20	16QAM	80	24	22.89	22.95	22.95	
20	16QAM	80	50	22.71	22.72	22.75	23.1
20	16QAM	160	0	22.68	22.72	22.75	
20	64QAM	1	0	22.51	22.74	22.66	23.1
20	64QAM	1	46	22.61	22.85	22.87	
20	64QAM	1	90	22.91	22.94	22.95	
20	64QAM	80	0	21.65	21.68	21.70	22.1
20	64QAM	80	24	21.66	21.70	21.73	
20	64QAM	80	50	21.69	21.65	21.75	
20	64QAM	160	0	21.68	21.68	21.70	20.1
20	256QAM	1	0	19.33	19.45	19.22	
20	256QAM	1	46	19.47	19.43	19.50	
20	256QAM	80	0	19.35	19.75	19.46	20.1
20	256QAM	80	24	19.59	19.70	19.44	
20	256QAM	80	50	19.50	19.61	19.57	
20	256QAM	160	0	19.52	19.68	19.55	20.1
20	256QAM	160	0	19.52	19.68	19.55	
Channel				37820	38000	38175	
Frequency [MHz]				2477.5	2496	2493.5	
15	QPSK	1	0	24.62	24.60	24.61	24.8
15	QPSK	1	37	24.60	24.72	24.72	
15	QPSK	1	74	24.08	24.68	24.67	
15	QPSK	36	0	23.65	23.53	23.57	24.1
15	QPSK	36	26	23.62	23.63	23.59	
15	QPSK	36	36	23.53	23.50	23.61	
15	QPSK	72	0	23.60	23.59	23.59	24.1
15	16QAM	1	0	24.04	24.04	24.02	
15	16QAM	1	37	23.88	23.89	23.95	
15	16QAM	1	74	24.08	24.00	24.11	23.1
15	16QAM	36	0	22.63	22.55	22.63	
15	16QAM	36	20	22.64	22.70	22.75	
15	16QAM	36	36	22.65	22.68	22.73	23.1
15	16QAM	72	0	22.67	22.62	22.75	
15	64QAM	1	0	22.42	22.69	22.64	23.1
15	64QAM	1	37	22.73	22.94	22.88	
15	64QAM	1	74	22.92	22.85	22.86	
15	64QAM	36	0	21.62	21.61	21.65	22.1
15	64QAM	36	20	21.63	21.70	21.73	
15	64QAM	36	39	21.61	21.67	21.67	
15	64QAM	72	0	21.65	21.66	21.60	20.1
15	256QAM	1	0	19.44	19.44	19.52	
15	256QAM	1	37	19.46	19.44	19.44	
15	256QAM	1	74	19.45	19.51	19.51	20.1
15	256QAM	36	0	19.45	19.66	19.59	
15	256QAM	36	26	19.40	19.54	19.41	
15	256QAM	36	39	19.40	19.53	19.46	20.1
15	256QAM	72	0	19.50	19.65	19.46	
Channel				37760	38000	38020	
Frequency [MHz]				2475	2496	2495	
10	QPSK	1	0	24.54	24.61	24.61	24.8
10	QPSK	1	26	24.62	24.65	24.70	
10	QPSK	1	49	24.59	24.59	24.68	
10	QPSK	26	0	23.61	23.62	23.65	24.1
10	QPSK	26	12	23.52	23.64	23.64	
10	QPSK	26	20	23.65	23.69	23.64	
10	QPSK	80	0	23.61	23.64	23.69	24.1
10	16QAM	1	0	24.04	23.97	24.04	
10	16QAM	1	26	23.87	23.94	23.98	
10	16QAM	1	49	24.01	24.03	24.09	23.1
10	16QAM	26	0	22.60	22.62	22.65	
10	16QAM	26	12	22.67	22.74	22.79	
10	16QAM	26	26	22.69	22.69	22.71	23.1
10	16QAM	80	0	22.64	22.65	22.71	
10	64QAM	1	0	22.47	22.70	22.60	
10	64QAM	1	26	22.61	22.85	22.89	22.1
10	64QAM	1	46	22.67	22.86	22.91	
10	64QAM	26	0	21.69	21.59	21.61	
10	64QAM	26	12	21.65	21.68	21.70	22.1
10	64QAM	26	24	21.63	21.66	21.69	
10	64QAM	80	0	21.64	21.64	21.62	
10	256QAM	1	0	19.36	19.40	19.39	20.1
10	256QAM	1	26	19.33	19.45	19.39	
10	256QAM	1	49	19.45	19.33	19.31	
10	256QAM	26	0	19.49	19.68	19.45	20.1
10	256QAM	26	12	19.58	19.66	19.36	
10	256QAM	26	20	19.44	19.65	19.54	
10	256QAM	80	0	19.45	19.60	19.55	20.1
10	256QAM	80	0	19.45	19.60	19.55	

Band 38 PC3_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Time-up limit [dBm]		
Channel				37800	38000	38100			
Frequency [MHz]				22.62	22.65	22.69			
20	QPSK	1	0	22.62	22.65	22.69	23.2		
20	QPSK	1	46	22.61	22.63	22.65			
20	QPSK	1	90	22.64	22.66	22.71			
20	QPSK	80	0	22.16	22.17	22.16			
20	QPSK	50	24	22.19	22.22	22.20	22.7		
20	QPSK	80	46	22.17	22.18	22.20			
20	QPSK	100	0	22.18	22.18	22.19			
20	16QAM	1	0	22.17	22.35	22.29			
20	16QAM	1	90	22.28	22.42	22.33	22.7		
20	16QAM	80	0	21.16	21.20	21.21			
20	16QAM	80	24	21.20	21.25	21.24			
20	16QAM	50	50	21.19	21.22	21.21			
20	16QAM	100	0	21.22	21.18	21.22	21.7		
20	64QAM	1	0	21.13	20.99	21.11			
20	64QAM	1	46	21.07	21.05	21.06			
20	64QAM	80	0	20.19	20.21	20.21			
20	64QAM	80	24	20.21	20.24	20.21	20.7		
20	64QAM	80	50	20.19	20.22	20.22			
20	64QAM	100	0	20.17	20.20	20.22			
20	256QAM	1	0	18.02	18.01	18.06			
20	256QAM	1	46	18.01	18.00	18.02	18.7		
20	256QAM	80	0	18.32	18.31	18.30			
20	256QAM	50	24	18.30	18.28	18.27			
20	256QAM	100	0	18.18	18.05	18.14			
Channel <th>37825</th> <th>38000</th> <th>38175</th> <th colspan="3">Time-up limit [dBm]</th>				37825	38000	38175	Time-up limit [dBm]		
Frequency [MHz]				22.72	22.66	22.72			
15	QPSK	1	0	22.64	22.67	22.68	23.2		
15	QPSK	1	37	22.66	22.65	22.63			
15	QPSK	1	74	22.70	22.68	22.69			
15	QPSK	36	0	22.21	22.18	22.17			
15	QPSK	36	26	22.21	22.15	22.18	22.7		
15	QPSK	36	36	22.22	22.20	22.18			
15	QPSK	75	0	22.22	22.19	22.17			
15	16QAM	1	0	22.23	22.20	22.23			
15	16QAM	1	37	22.29	22.27	22.25	22.7		
15	16QAM	1	74	22.31	22.20	22.28			
15	16QAM	36	0	21.19	21.17	21.17			
15	16QAM	36	20	21.20	21.18	21.20			
15	16QAM	36	36	21.22	21.17	21.20	21.7		
15	16QAM	75	0	21.23	21.21	21.19			
15	64QAM	1	0	21.10	21.18	21.03			
15	64QAM	1	37	21.12	21.16	20.99			
15	64QAM	1	74	21.12	21.23	21.07	20.7		
15	64QAM	36	0	20.21	20.15	20.11			
15	64QAM	36	20	20.21	20.21	20.18			
15	64QAM	36	36	20.23	20.20	20.18			
15	64QAM	75	0	20.24	20.22	20.18	18.7		
15	256QAM	1	0	17.99	18.01	17.99			
15	256QAM	1	37	17.97	17.97	17.98			
15	256QAM	1	74	18.02	17.91	17.99			
15	256QAM	36	0	18.28	18.16	18.26			
15	256QAM	36	26	18.27	18.15	18.25	18.7		
15	256QAM	36	36	18.25	18.12	18.17			
15	256QAM	75	0	18.14	18.01	18.11			
Channel				37750	38000	38275	Time-up limit [dBm]		
Frequency [MHz]				22.65	22.66	22.65			
10	QPSK	1	0	22.62	22.63	22.61	23.2		
10	QPSK	1	26	22.58	22.57	22.64			
10	QPSK	1	49	22.55	22.68	22.63			
10	QPSK	26	0	22.15	22.07	22.07			
10	QPSK	26	12	22.17	22.13	22.20	22.7		
10	QPSK	26	20	22.17	22.09	22.15			
10	QPSK	80	0	22.17	22.15	22.15			
10	16QAM	1	0	22.07	22.28	22.27			
10	16QAM	1	26	22.07	22.20	22.26	22.7		
10	16QAM	1	49	22.23	22.40	22.39			
10	16QAM	26	0	21.12	21.16	21.16			
10	16QAM	26	12	21.10	21.17	21.16			
10	16QAM	26	26	21.15	21.18	21.19	21.7		
10	16QAM	80	0	21.16	21.09	21.17			
10	64QAM	1	0	21.04	20.90	21.00			
10	64QAM	1	26	21.01	20.93	20.98			
10	64QAM	1	49	21.18	21.01	21.07	21.7		
10	64QAM	26	0	20.17	20.19	20.19			
10	64QAM	26	12	20.12	20.23	20.19			
10	64QAM	26	26	20.16	20.20	20.19			
10	64QAM	50	0	20.07	20.12	20.15	20.7		
10	256QAM	1	0	17.97	17.98	17.98			
10	256QAM	1	26	17.95	17.92	18.00			
10	256QAM	1	49	18.02	17.92	18.02			
10	256QAM	26	0	18.24	18.20	18.26	18.7		
10	256QAM	26	12	18.29	18.16	18.20			
10	256QAM	26	26	18.17	18.16	18.15			
10	256QAM	50	0	18.08	18.01	18.04			
Channel				37775	38000	38275	Time-up limit [dBm]		
Frequency [MHz]				22.63	22.58	22.63			
5	QPSK	1	0	22.63	22.58 <td>22.63</td> <td rowspan="4">23.2</td> <td colspan="2"></td>	22.63	23.2		
5	QPSK	1	12	22.61	22.58	22.62			
5	QPSK	1	24	22.62	22.60	22.63			
5	QPSK	12	0	22.15	22.08	22.14			
5	QPSK	12	7	22.16	22.22	22.18	22.7		
5	QPSK	12	13	22.13	22.15	22.14			
5	QPSK	25	0	22.11	22.17	22.08			
5	16QAM	1	0	22.13	22.34	22.24			
5	16QAM	1	12	22.04	22.20	22.21	22.7		
5	16QAM	1	24	22.24	22.38	22.33			
5	16QAM	12	0	21.14	21.16	21.10			
5	16QAM	12	7	21.15	21.15	21.20			
5	16QAM	12	14	21.10	21.21	21.20	21.7		
5	16QAM	35	0	21.19	21.18	21.15			
5	64QAM	1	0	21.05	20.92	21.05			
5	64QAM	1	12	21.05	20.96	21.01			
5	64QAM	1	24	21.15	20.96	21.15	20.7		
5	64QAM	12	0	20.10	20.19	20.17			
5	64QAM	12	7	20.11	20.18	20.22			
5	64QAM	12	13	20.12	20.22	20.21			
5	64QAM	35	0	20.15	20.13	20.17	18.7		
5	256QAM	1	0	17.98	17.99	18.01			
5	256QAM	1	12	17.07	17.07	18.00			
5	256QAM	1	24	17.07	18.01	17.07			
5	256QAM	12	0	18.26	18.17	18.21			
5	256QAM	12	7	18.20	18.12	18.20	18.7		
5	256QAM	12	13	18.18	18.15	18.10			
5	256QAM	25	0	18.16	18.05	18.10			

Band 41 PC2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power High Mid. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)
Channel				39780	40185	40590	41000	41400	
Frequency (MHz)				2570	2593	2616	2639	2662	
20	QPSK	1	0	24.67	24.66	24.64	24.65	24.67	24.8
20	QPSK	1	40	24.70	24.66	24.72	24.82	24.54	
20	QPSK	1	80	24.71	24.56	24.71	24.62	24.52	
20	QPSK	50	0	23.67	23.64	23.70	23.63	23.66	
20	QPSK	50	24	23.70	23.69	23.73	23.66	23.67	24.1
20	QPSK	50	40	23.72	23.66	23.70	23.65	23.54	
20	QPSK	100	0	23.77	23.68	23.75	23.69	23.58	
20	QPSK	100	40	24.11	24.01	24.06	24.00	23.91	
20	16QAM	1	0	24.08	23.80	24.10	23.79	23.71	24.1
20	16QAM	1	40	24.08	24.03	24.11	23.96	23.90	
20	16QAM	1	80	24.22	24.00	24.24	24.00	23.90	
20	16QAM	50	24	22.77	22.75	22.75	22.71	22.67	
20	16QAM	50	50	22.78	22.76	22.77	22.72	22.61	23.1
20	16QAM	100	0	22.75	22.60	22.77	22.71	22.60	
20	16QAM	1	0	22.68	22.50	22.65	22.61	22.41	
20	16QAM	1	40	22.60	22.76	22.67	22.75	22.61	
20	16QAM	1	80	22.68	22.60	22.60	22.53	22.72	22.1
20	16QAM	50	0	21.77	21.68	21.70	21.67	21.61	
20	16QAM	50	24	21.72	21.66	21.70	21.65	21.61	
20	16QAM	50	40	21.75	21.70	21.77	21.65	21.50	
20	16QAM	100	0	21.75	21.66	21.75	21.67	21.58	20.1
20	256QAM	1	0	19.47	19.35	19.52	19.35	19.35	
20	256QAM	1	40	19.48	19.36	19.44	19.36	19.38	
20	256QAM	50	0	19.50	19.36	19.41	19.39	19.41	
20	256QAM	50	24	19.52	19.46	19.46	19.53	19.65	
20	256QAM	50	40	19.57	19.61	19.71	19.46	19.72	20.1
20	256QAM	100	0	19.52	19.50	19.56	19.53	19.58	
20	256QAM	100	0	19.58	19.57	19.64	19.49	19.46	
Channel				39780	40173	40590	41000	41400	
Frequency (MHz)				2593.5	2594.5	2595	2617.8	2618.5	
15	QPSK	1	0	24.58	24.53	24.64	24.46	24.45	24.80
15	QPSK	1	40	24.71	24.63	24.63	24.60	24.54	
15	QPSK	1	80	24.65	24.56	24.62	24.60	24.46	
15	QPSK	36	0	23.68	23.62	23.63	23.58	23.48	
15	QPSK	36	20	23.62	23.67	23.65	23.64	23.57	24.1
15	QPSK	36	36	23.78	23.65	23.60	23.55	23.48	
15	QPSK	72	0	23.73	23.66	23.64	23.67	23.58	
15	16QAM	1	0	24.07	23.92	24.06	23.92	23.86	
15	16QAM	1	37	23.97	23.75	24.10	23.78	23.67	24.1
15	16QAM	1	74	24.07	23.93	24.07	23.87	23.81	
15	16QAM	36	0	22.68	22.69	22.64	22.64	22.53	
15	16QAM	36	20	22.77	22.66	22.74	22.71	22.61	
15	16QAM	36	36	22.77	22.71	22.68	22.65	22.57	23.1
15	16QAM	72	0	22.78	22.62	22.75	22.63	22.51	
15	16QAM	1	0	22.65	22.48	22.67	22.63	22.39	
15	16QAM	1	37	22.60	22.78	22.65	22.72	23.58	
15	16QAM	1	74	22.66	22.52	22.69	22.53	22.63	22.1
15	16QAM	36	0	21.77	21.67	21.65	21.65	21.58	
15	16QAM	36	20	21.75	21.64	21.73	21.65	21.51	
15	16QAM	36	36	21.76	21.62	21.67	21.67	21.52	
15	16QAM	72	0	21.71	21.59	21.70	21.61	21.53	20.1
15	256QAM	1	0	19.41	19.48	19.47	19.50	19.29	
15	256QAM	1	40	19.45	19.36	19.41	19.37	19.35	
15	256QAM	1	74	19.45	19.32	19.51	19.24	19.35	
15	256QAM	36	0	19.23	19.41	19.62	19.52	19.62	20.1
15	256QAM	36	20	19.35	19.52	19.68	19.39	19.65	
15	256QAM	36	36	19.09	19.46	19.61	19.45	19.57	
15	256QAM	72	0	19.10	19.47	19.54	19.44	19.38	
Channel				39780	40173	40590	41000	41400	
Frequency (MHz)				2593.5	2594.5	2595	2617.8	2618.5	
10	QPSK	1	0	24.52	24.46	24.55	24.53	24.47	24.80
10	QPSK	1	25	24.68	24.53	24.68	24.52	24.51	
10	QPSK	1	40	24.68	24.56	24.71	24.53	24.47	
10	QPSK	1	80	24.61	24.61	24.66	24.58	24.46	
10	QPSK	25	12	23.61	23.64	23.71	23.65	23.52	24.1
10	QPSK	25	20	23.75	23.58	23.65	23.59	23.46	
10	QPSK	50	0	23.71	23.68	23.65	23.68	23.46	
10	16QAM	1	0	24.03	23.95	23.97	23.92	23.89	
10	16QAM	1	25	23.95	23.75	24.10	23.71	23.60	24.1
10	16QAM	1	40	24.07	23.95	24.09	23.96	23.88	
10	16QAM	25	0	23.72	22.69	22.74	22.56	22.53	
10	16QAM	25	12	23.71	22.66	22.71	22.65	22.61	
10	16QAM	25	25	22.68	22.70	22.69	22.62	22.56	23.1
10	16QAM	50	0	22.72	22.62	22.71	22.71	22.53	
10	16QAM	50	0	22.68	22.47	22.65	22.62	22.32	
10	16QAM	1	25	22.68	22.76	22.67	22.65	22.58	
10	16QAM	1	40	22.60	22.59	22.62	22.52	22.67	22.1
10	16QAM	25	0	21.67	21.66	21.72	21.67	21.53	
10	16QAM	25	12	21.74	21.61	21.72	21.61	21.57	
10	16QAM	25	25	21.74	21.63	21.76	21.59	21.50	
10	16QAM	50	0	21.71	21.64	21.75	21.57	21.46	20.1
10	256QAM	1	0	19.43	19.46	19.46	19.39	19.36	
10	256QAM	1	25	19.43	19.35	19.36	19.19	19.38	
10	256QAM	1	40	19.44	19.49	19.38	19.26	19.37	
10	256QAM	25	0	19.20	19.37	19.62	19.44	19.62	
10	256QAM	25	12	19.29	19.60	19.67	19.36	19.63	20.1
10	256QAM	25	25	19.10	19.43	19.63	19.43	19.54	
10	256QAM	50	0	19.20	19.58	19.69	19.39	19.37	
Channel				39975	40148	40590	41001	41005	
Frequency (MHz)				2606.5	2604.5	2605	2626.50	2627.5	
5	QPSK	1	0	24.65	24.55	24.64	24.51	24.43	24.80
5	QPSK	1	12	24.72	24.56	24.64	24.61	24.53	
5	QPSK	1	24	24.61	24.62	24.67	24.56	24.52	
5	QPSK	12	0	23.63	23.57	23.61	23.55	23.56	
5	QPSK	12	7	23.62	23.67	23.64	23.58	23.47	24.1
5	QPSK	12	13	23.75	23.65	23.65	23.65	23.45	
5	QPSK	25	0	23.74	23.59	23.69	23.67	23.48	
5	16QAM	1	0	24.07	24.00	24.05	23.99	23.86	
5	16QAM	1	12	23.99	23.77	24.16	23.71	23.71	24.1
5	16QAM	1	24	24.02	23.96	24.02	23.95	23.81	
5	16QAM	12	0	22.75	22.62	22.74	22.63	22.54	
5	16QAM	12	7	22.67	22.63	22.76	22.62	22.62	
5	16QAM	12	13	22.74	22.70	22.77	22.66	22.57	23.1
5	16QAM	25	0	22.74	22.61	22.70	22.65	22.58	
5	16QAM	1	0	22.61	22.42	22.65	22.61	22.39	
5	16QAM	1	12	22.66	22.72	22.79	22.76	22.58	
5	16QAM	1	24	22.62	22.57	22.62	22.53	22.71	22.1
5	16QAM	12	0	21.67	21.65	21.67	21.61	21.61	
5	16QAM	12	7	21.62	21.65	21.72	21.63	21.58	
5	16QAM	12	13	21.78	21.61	21.77	21.68	21.67	
5	16QAM	25	0	21.68	21.56	21.68	21.58	21.52	20.1
5	256QAM	1	0	19.41	19.52	19.42	19.39	19.29	
5	256QAM	1	12	19.46	19.52	19.36	19.25	19.53	
5	256QAM	24	0	19.50	19.48	19.36	19.27	19.39	
5	256QAM	12	0	19.21	19.45	19.77	19.50	19.60	
5	256QAM	12	7	19.23	19.56	19.65	19.38	19.66	20.1
5	256QAM	12	13	19.08	19.52	19.55	19.50	19.58	
5	256QAM	25	0	19.20	19.50	19.61	19.46	19.38	

Band 41 PC3_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Low Mid. Ch. 1 (Frac)	Power Low Hgh. Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Power High Ch. 2 (Frac)	Power High Ch. 3 (Frac)	Time-up limit (dBm)	
Channel				39750	40165	40580	41000	41420	41840		
Frequency (MHz)				2273	2273	2273	2273	2273	2273		
20	QPSK	1	0	22.73	22.70	22.72	22.73	22.74	22.76	23.2	
20	QPSK	1	40	22.73	22.65	22.67	22.69	22.70	22.72		
20	QPSK	1	80	22.73	22.78	22.72	22.65	22.69	22.69		
20	QPSK	50	0	22.27	22.29	22.24	22.14	22.07	22.07	22.7	
20	QPSK	50	24	22.29	22.27	22.27	22.18	22.08	22.08		
20	QPSK	50	48	22.30	22.26	22.24	22.16	22.07	22.07		
20	16QAM	1	0	22.28	22.24	22.27	22.12	22.02	22.02	22.7	
20	16QAM	1	40	22.28	22.18	22.18	22.03	22.13	22.13		
20	16QAM	1	80	22.29	22.33	22.32	22.16	22.07	22.07		
20	16QAM	50	0	21.23	21.22	21.24	21.15	21.06	21.06	21.7	
20	16QAM	50	24	21.23	21.25	21.26	21.10	21.09	21.09		
20	16QAM	50	48	21.23	21.24	21.26	21.09	21.08	21.08		
20	64QAM	1	0	21.09	20.95	21.00	20.90	20.92	20.92	21.7	
20	64QAM	1	40	21.08	20.92	20.96	21.00	20.99	20.99		
20	64QAM	1	80	21.14	21.01	21.00	20.93	20.99	20.99		
20	64QAM	50	0	20.20	20.27	20.28	20.17	20.15	20.15	20.7	
20	64QAM	50	24	20.24	20.26	20.27	20.17	20.15	20.15		
20	64QAM	50	48	20.25	20.29	20.25	20.21	20.13	20.13		
20	256QAM	1	0	18.06	17.93	18.14	18.16	17.89	17.89	18.7	
20	256QAM	1	40	18.13	17.91	18.12	18.01	17.86	17.86		
20	256QAM	1	80	18.11	17.88	18.11	17.91	17.80	17.80		
20	256QAM	50	0	18.35	18.21	18.41	18.27	18.30	18.30	18.7	
20	256QAM	50	24	18.42	18.18	18.34	18.29	18.24	18.24		
20	256QAM	50	48	18.41	18.26	18.32	18.29	18.26	18.26		
20	256QAM	100	0	18.30	18.17	18.19	18.17	18.10	18.10		
Channel				39750	40173	40590	41000	41415	41835		
Frequency (MHz)				2261.5	2261.5	2261	2261.8	2261.5	2261.5		
16	QPSK	1	0	22.72	22.65	22.69	22.63	22.63	22.63	23.20	
16	QPSK	1	25	22.73	22.63	22.61	22.55	22.49	22.49		
16	QPSK	1	40	22.71	22.75	22.63	22.59	22.49	22.49		
16	QPSK	50	0	22.26	22.16	22.18	22.09	22.07	22.07	22.7	
16	QPSK	25	12	22.19	22.18	22.27	22.14	22.09	22.09		
16	QPSK	25	26	22.22	22.15	22.21	22.07	22.07	22.07		
16	QPSK	50	0	22.28	22.18	22.18	22.11	22.07	22.07	22.7	
16	16QAM	1	0	22.23	22.24	22.20	22.09	22.17	22.17		
16	16QAM	1	26	22.21	22.16	22.08	22.03	22.03	22.03		
16	16QAM	1	40	22.33	22.31	22.26	22.14	22.21	22.21	21.7	
16	16QAM	25	0	21.25	21.20	21.22	21.08	21.09	21.09		
16	16QAM	25	12	21.28	21.20	21.17	21.09	21.08	21.08		
16	16QAM	25	26	21.24	21.20	21.25	21.17	21.05	21.05	21.7	
16	64QAM	1	0	21.09	20.91	20.90	20.83	20.91	20.91		
16	64QAM	1	40	21.10	20.96	20.97	20.85	20.89	20.89		
16	64QAM	25	0	20.31	20.27	20.19	20.11	20.05	20.05	20.7	
16	64QAM	25	12	20.33	20.22	20.29	20.17	20.09	20.09		
16	64QAM	25	26	20.27	20.22	20.21	20.13	20.05	20.05		
16	256QAM	1	0	17.89	17.80	18.08	18.11	17.87	17.87	18.7	
16	256QAM	1	25	18.09	17.90	18.07	17.94	17.85	17.85		
16	256QAM	1	40	18.03	17.82	18.06	17.91	17.85	17.85		
16	256QAM	25	0	18.20	18.21	18.41	18.21	18.30	18.30	18.7	
16	256QAM	25	12	18.33	18.13	18.24	18.24	18.17	18.17		
16	256QAM	25	26	18.30	18.19	18.26	18.00	18.16	18.16		
16	256QAM	50	0	18.26	18.15	18.14	18.17	18.00	18.00		
Channel				39750	40148	40560	41000	41405	41805		
Frequency (MHz)				2261.5	2261.5	2261	2261.8	2261.5	2261.5		
5	QPSK	1	0	22.68	22.60	22.72	22.61	22.52	22.52	23.20	
5	QPSK	1	12	22.67	22.59	22.68	22.58	22.48	22.48		
5	QPSK	1	24	22.75	22.73	22.64	22.64	22.49	22.49		
5	QPSK	12	0	22.25	22.22	22.22	22.04	22.03	22.03	22.7	
5	QPSK	12	7	22.27	22.25	22.24	22.08	22.06	22.06		
5	QPSK	12	13	22.24	22.20	22.15	22.15	22.02	22.02		
5	QPSK	25	0	22.29	22.22	22.17	22.16	22.04	22.04	22.7	
5	16QAM	1	0	22.22	22.24	22.22	22.05	22.13	22.13		
5	16QAM	1	12	22.27	22.15	22.08	22.02	22.12	22.12		
5	16QAM	1	24	22.32	22.30	22.32	22.08	22.21	22.21	21.7	
5	16QAM	12	0	21.27	21.19	21.24	21.03	21.00	21.00		
5	16QAM	12	7	21.27	21.16	21.21	21.11	21.04	21.04		
5	16QAM	12	13	21.22	21.21	21.20	21.16	21.02	21.02	21.7	
5	64QAM	1	0	21.08	20.87	20.98	20.85	20.91	20.91		
5	64QAM	1	12	21.04	20.82	20.90	20.89	20.85	20.85		
5	64QAM	1	24	21.14	20.88	20.90	20.83	20.91	20.91	20.7	
5	64QAM	12	0	20.29	20.25	20.19	20.07	20.06	20.06		
5	64QAM	12	7	20.33	20.23	20.26	20.11	20.06	20.06		
5	64QAM	12	13	20.25	20.23	20.19	20.14	20.09	20.09		
5	64QAM	25	0	20.29	20.16	20.15	20.08	20.04	20.04		
5	256QAM	1	0	18.04	17.90	18.11	18.08	17.82	17.82	18.7	
5	256QAM	1	12	18.03	17.81	18.05	17.93	17.85	17.85		
5	256QAM	1	24	18.11	17.82	18.09	17.81	17.80	17.80		
5	256QAM	12	0	18.35	18.11	18.36	18.17	18.28	18.28	18.7	
5	256QAM	12	7	18.39	18.09	18.28	18.19	18.22	18.22		
5	256QAM	12	13	18.41	18.22	18.30	18.28	18.25	18.25		

Band 38 PC2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Total up limit [dBm]		
Channel				37800	38000	38100			
Frequency [MHz]				2575	2590	2605			
20	QPSK	1	0	25.48	25.43	25.35	26.2		
20	QPSK	1	48	25.81	25.51	25.40			
20	QPSK	1	96	25.46	25.46	25.30			
20	QPSK	80	0	24.60	24.57	24.44	25.2		
20	QPSK	80	24	24.60	24.57	24.48			
20	QPSK	80	48	24.81	24.54	24.48			
20	QPSK	160	0	24.63	24.55	24.40	25.2		
20	16QAM	1	0	24.97	24.55	24.55			
20	16QAM	1	48	24.76	24.80	24.71			
20	16QAM	1	96	24.90	24.91	24.81	24.2		
20	16QAM	80	0	23.81	23.60	23.51			
20	16QAM	80	24	23.08	23.02	23.03			
20	16QAM	80	48	23.08	23.02	23.03	24.2		
20	16QAM	80	96	23.08	23.08	23.09			
20	16QAM	160	0	23.08	23.02	23.03			
20	64QAM	1	0	23.70	23.80	23.69	24.2		
20	64QAM	1	48	23.38	23.47	23.44			
20	64QAM	1	96	23.40	23.39	23.54			
20	64QAM	80	0	22.88	22.59	22.52	23.2		
20	64QAM	80	24	22.88	22.59	22.52			
20	64QAM	80	96	22.08	22.05	22.02			
20	64QAM	160	0	22.08	22.58	22.59	21.2		
20	256QAM	1	0	20.84	20.84	20.79			
20	256QAM	1	48	20.87	20.87	20.85			
20	256QAM	80	0	20.73	20.71	20.87	21.2		
20	256QAM	80	24	20.72	20.70	20.85			
20	256QAM	160	0	20.63	20.62	20.50			
Channel				37875	38000	38175	Total up limit [dBm]		
Frequency [MHz]				2677.5	2696	2715.5			
15	QPSK	1	0	25.55	25.44	25.41	26.2		
15	QPSK	1	37	25.53	25.57	25.40			
15	QPSK	1	74	25.60	25.56	25.39			
15	QPSK	36	0	24.68	24.60	24.48	25.2		
15	QPSK	36	26	24.60	24.50	24.48			
15	QPSK	36	56	24.66	24.50	24.40			
15	QPSK	72	0	24.68	24.59	24.50	25.2		
15	16QAM	1	0	24.97	24.91	24.80			
15	16QAM	1	37	24.92	24.87	24.79			
15	16QAM	1	74	25.01	24.96	24.84	24.2		
15	16QAM	36	0	23.61	23.56	23.51			
15	16QAM	36	20	23.74	23.62	23.51			
15	16QAM	36	36	23.67	23.61	23.49	24.2		
15	16QAM	72	0	23.67	23.60	23.49			
15	64QAM	1	0	23.41	23.37	23.30	24.2		
15	64QAM	1	37	23.44	23.36	23.35			
15	64QAM	1	74	23.47	23.65	23.74			
15	64QAM	36	0	22.65	22.50	22.32	23.2		
15	64QAM	36	20	22.68	22.61	22.50			
15	64QAM	36	36	22.70	22.61	22.53			
15	256QAM	1	0	20.87	20.86	20.80	21.2		
15	256QAM	1	37	20.86	20.82	20.74			
15	256QAM	1	74	20.94	20.92	20.75			
15	256QAM	36	0	20.74	20.66	20.62	21.2		
15	256QAM	36	26	20.67	20.70	20.80			
15	256QAM	36	56	20.60	20.68	20.69			
15	256QAM	72	0	20.72	20.54	20.54	21.2		
Channel				3777.5	38000	38225	Total up limit [dBm]		
Frequency [MHz]				2675	2690	2705			
10	QPSK	1	0	25.54	25.40	25.32	26.2		
10	QPSK	1	12	25.50	25.44	25.39			
10	QPSK	1	24	25.65	25.47	25.34			
10	QPSK	12	0	24.58	24.50	24.40	25.2		
10	QPSK	12	7	24.65	24.52	24.45			
10	QPSK	12	13	24.64	24.52	24.45			
10	QPSK	25	0	24.67	24.51	24.44	25.2		
10	16QAM	1	0	24.95	24.90	24.88			
10	16QAM	1	12	24.87	24.81	24.76			
10	16QAM	1	24	24.92	24.86	24.75	24.2		
10	16QAM	12	0	23.61	23.55	23.47			
10	16QAM	12	7	23.74	23.61	23.41			
10	16QAM	12	14	23.61	23.61	23.45	24.2		
10	16QAM	35	0	23.66	23.58	23.45			
10	64QAM	1	0	23.38	23.36	23.30	24.2		
10	64QAM	1	12	23.35	23.18	23.25			
10	64QAM	1	24	23.42	23.85	23.69			
10	64QAM	12	0	22.64	22.57	22.47	23.2		
10	64QAM	12	7	22.65	22.61	22.51			
10	64QAM	12	13	22.60	22.58	22.49			
10	64QAM	35	0	22.62	22.48	22.45	21.2		
10	256QAM	1	0	20.73	20.45	20.40			
10	256QAM	1	12	20.67	20.91	20.21			
10	256QAM	1	24	20.66	20.80	20.21	21.2		
10	256QAM	12	0	20.70	20.72	20.71			
10	256QAM	12	7	20.70	20.67	20.69			
10	256QAM	12	13	20.69	20.74	20.64	21.2		
10	256QAM	25	0	20.63	20.64	20.47			



Band 38 PC3_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Time-up limit [dBm]				
Channel				37800	38000	38100					
Frequency [MHz]				22.51	22.55	22.49					
20	QPSK	1	0	22.57	22.55	22.48	23.2				
20	QPSK	1	46	22.58	22.53	22.46					
20	QPSK	1	90	22.60	22.58	22.48					
20	QPSK	80	0	21.68	21.58	21.49	22.2				
20	QPSK	80	24	21.68	21.61	21.49					
20	QPSK	80	46	21.66	21.58	21.48					
20	QPSK	160	0	21.68	21.61	21.51	22.2				
20	16QAM	1	0	21.68	21.68	21.68					
20	16QAM	1	46	21.61	21.68	21.57					
20	16QAM	1	90	21.71	21.70	21.64	21.2				
20	16QAM	80	0	20.65	20.58	20.51					
20	16QAM	80	24	20.71	20.63	20.54					
20	16QAM	80	50	20.66	20.60	20.52	20.2				
20	16QAM	160	0	20.70	20.63	20.54					
20	64QAM	1	0	20.52	20.49	20.42	21.2				
20	64QAM	1	46	20.52	20.44	20.40					
20	64QAM	1	90	20.59	20.49	20.45					
20	64QAM	80	0	19.67	19.62	19.51	20.2				
20	64QAM	80	24	19.66	19.64	19.54					
20	64QAM	80	50	19.09	19.01	19.04					
20	64QAM	160	0	19.68	19.61	19.52	19.2				
20	256QAM	1	0	17.43	17.40	17.35					
20	256QAM	1	46	17.40	17.43	17.41					
20	256QAM	1	90	17.44	17.42	17.40	18.2				
20	256QAM	80	0	17.77	17.75	17.70					
20	256QAM	80	24	17.76	17.72	17.68					
20	256QAM	80	50	17.75	17.68	17.61	18.2				
20	256QAM	160	0	17.63	17.60	17.53					
Channel				2577.5	2590	2613.5	Time-up limit [dBm]				
Frequency [MHz]				22.51	22.55	22.49					
15	QPSK	1	0	22.58	22.59	22.51	23.2				
15	QPSK	1	37	22.44	22.43	22.42					
15	QPSK	1	74	22.52	22.50	22.48					
15	QPSK	36	0	21.71	21.63	21.52	22.2				
15	QPSK	36	26	21.72	21.61	21.52					
15	QPSK	36	36	21.71	21.63	21.51					
15	QPSK	75	0	21.71	21.65	21.51	22.2				
15	16QAM	1	0	21.69	21.60	21.63					
15	16QAM	1	37	21.66	21.57	21.68					
15	16QAM	1	74	21.70	21.61	21.61	21.2				
15	16QAM	36	0	20.65	20.60	20.52					
15	16QAM	36	20	20.65	20.55	20.52					
15	16QAM	36	36	20.69	20.58	20.53	20.2				
15	16QAM	75	0	20.72	20.64	20.55					
15	64QAM	1	0	20.42	20.43	20.48	21.2				
15	64QAM	1	37	20.45	20.44	20.43					
15	64QAM	1	74	20.59	20.43	20.42					
15	64QAM	36	0	19.65	19.63	19.56	20.2				
15	64QAM	36	20	19.70	19.61	19.58					
15	64QAM	36	39	19.68	19.63	19.55					
15	64QAM	75	0	19.71	19.63	19.54	19.2				
15	256QAM	1	0	17.42	17.40	17.41					
15	256QAM	1	37	17.43	17.41	17.40					
15	256QAM	1	74	17.43	17.41	17.40	18.2				
15	256QAM	36	0	17.87	17.79	17.79					
15	256QAM	36	26	17.80	17.64	17.61					
15	256QAM	36	39	17.79	17.70	17.62	18.2				
15	256QAM	75	0	17.70	17.68	17.59					
Channel				2675	2690	2695	Time-up limit [dBm]				
Frequency [MHz]				22.51	22.55	22.49					
10	QPSK	1	0	22.51	22.55	22.49	23.2				
10	QPSK	1	26	22.43	22.45	22.41					
10	QPSK	1	49	22.54	22.52	22.41					
10	QPSK	25	0	21.67	21.60	21.45	22.2				
10	QPSK	25	12	21.65	21.55	21.43					
10	QPSK	25	25	21.70	21.53	21.41					
10	QPSK	80	0	21.68	21.58	21.50	20.2				
10	16QAM	1	0	21.59	21.50	21.52					
10	16QAM	1	26	21.65	21.50	21.50					
10	16QAM	1	49	21.75	21.58	21.53	21.2				
10	16QAM	25	0	20.57	20.56	20.45					
10	16QAM	25	12	20.66	20.50	20.48					
10	16QAM	25	25	20.60	20.57	20.49	20.2				
10	16QAM	80	0	20.49	20.59	20.52					
10	64QAM	1	0	20.49	20.44	20.40					
10	64QAM	1	26	20.45	20.42	20.48	20.2				
10	64QAM	1	49	20.57	20.42	20.42					
10	64QAM	25	0	19.61	19.63	19.45					
10	64QAM	50	0	19.61	19.59	19.53	19.2				
10	256QAM	1	0	17.46	17.44	17.41					
10	256QAM	1	26	17.40	17.45	17.40	18.2				
10	256QAM	1	49	17.43	17.41	17.42					
10	256QAM	25	0	17.65	17.68	17.62	18.2				
10	256QAM	25	12	17.72	17.70	17.74					
10	256QAM	25	25	17.67	17.73	17.68					
10	256QAM	50	0	17.58	17.61	17.45	18.2				
Channel				3777.5	3800	3825	Time-up limit [dBm]				
Frequency [MHz]				22.51	22.55	22.49					
5	QPSK	1	0	22.58	22.5	22.47	23.2				
5	QPSK	1	12	22.41	22.42	22.40					
5	QPSK	1	24	22.53	22.59	22.41					
5	QPSK	12	0	21.62	21.61	21.50	22.2				
5	QPSK	12	7	21.70	21.59	21.48					
5	QPSK	12	13	21.63	21.63	21.49					
5	QPSK	25	0	21.65	21.61	21.41	22.2				
5	16QAM	1	0	21.60	21.60	21.50					
5	16QAM	1	12	21.68	21.58	21.66					
5	16QAM	12	0	20.56	20.57	20.44	21.2				
5	16QAM	12	7	20.65	20.48	20.42					
5	16QAM	12	14	20.50	20.57	20.48					
5	16QAM	25	0	20.62	20.61	20.51	21.2				
5	64QAM	1	0	20.47	20.42	20.42					
5	64QAM	1	12	20.42	20.48	20.47					
5	64QAM	1	24	20.55	20.41	20.49	20.2				
5	64QAM	12	0	19.59	19.63	19.52					
5	64QAM	12	7	19.62	19.65	19.56					
5	64QAM	12	13	19.64	19.57	19.49	19.2				
5	64QAM	25	0	19.67	19.50	19.48					
5	256QAM	1	0	17.40	17.42	17.42	18.2				
5	256QAM	1	12	17.42	17.43	17.48					
5	256QAM	1	24	17.42	17.42	17.40					
5	256QAM	12	0	17.72	17.71	17.75	18.2				
5	256QAM	12	7	17.72	17.67	17.68					
5	256QAM	12	13	17.65	17.78	17.62					
5	256QAM	25	0	17.65	17.51	17.55					

Band 41 PC2_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Low Mid Ch. (Frac)	Power Low High Ch. (Frac)	Power High Ch. (Frac)	Power High Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)
Channel										
Frequency (MHz)				39750	40165	40580	41000	41400	41800	
20	QPSK	1	0	25.69	25.83	25.97	26.11	26.25	26.39	26.5
20	QPSK	1	40	25.79	25.93	26.07	26.21	26.35	26.49	26.5
20	QPSK	1	80	25.79	25.93	26.07	26.21	26.35	26.49	26.5
20	QPSK	50	0	24.82	24.75	24.67	24.59	24.51	24.43	26.5
20	QPSK	50	24	24.85	24.76	24.68	24.59	24.51	24.43	26.5
20	QPSK	50	48	24.85	24.77	24.69	24.59	24.51	24.43	26.5
20	QPSK	100	0	24.85	24.76	24.68	24.59	24.51	24.43	26.5
20	16QAM	1	0	25.05	25.04	24.92	24.85	24.80	24.73	26.5
20	16QAM	1	40	24.98	24.88	24.80	24.69	24.62	24.55	26.5
20	16QAM	1	80	25.09	24.99	24.81	24.69	24.59	24.54	26.5
20	16QAM	50	0	23.87	23.72	23.58	23.44	23.34	23.25	24.5
20	16QAM	50	24	23.88	23.76	23.65	23.51	23.39	23.30	24.5
20	16QAM	50	48	23.87	23.81	23.69	23.58	23.46	23.39	24.5
20	16QAM	100	0	23.85	23.78	23.65	23.58	23.50	23.42	24.5
20	64QAM	1	0	23.61	23.52	23.41	23.27	23.12	23.05	24.5
20	64QAM	1	40	23.62	23.50	23.31	23.12	23.08	23.08	24.5
20	64QAM	1	80	23.62	23.54	23.34	23.12	23.12	23.12	24.5
20	64QAM	50	0	22.85	22.75	22.59	22.37	22.37	22.37	23.5
20	64QAM	50	24	22.85	22.75	22.57	22.37	22.37	22.37	23.5
20	64QAM	50	48	22.84	22.76	22.55	22.37	22.37	22.37	23.5
20	64QAM	100	0	22.86	22.78	22.59	22.38	22.38	22.38	23.5
20	256QAM	1	0	20.14	20.03	19.94	19.81	19.71	19.63	21.5
20	256QAM	1	40	20.12	20.02	19.95	19.81	19.71	19.63	21.5
20	256QAM	1	80	20.12	20.02	19.95	19.81	19.71	19.63	21.5
20	256QAM	50	0	20.04	20.00	19.94	19.80	19.69	19.60	21.5
20	256QAM	50	24	20.04	20.00	19.94	19.80	19.69	19.60	21.5
20	256QAM	50	48	20.03	20.00	19.95	19.80	19.69	19.60	21.5
20	256QAM	100	0	20.00	20.00	19.95	19.80	19.69	19.60	21.5
Channel										
Frequency (MHz)				39750	40173	40590	41000	41400	41800	
16	QPSK	1	0	25.71	25.64	25.49	25.29	25.18	25.10	26.50
16	QPSK	1	25	25.74	25.67	25.44	25.29	25.27	25.27	26.50
16	QPSK	1	40	25.76	25.68	25.49	25.27	25.27	25.27	26.50
16	QPSK	25	0	24.87	24.75	24.58	24.38	24.38	24.38	25.5
16	QPSK	25	12	24.87	24.74	24.58	24.40	24.38	24.38	25.5
16	QPSK	25	36	24.88	24.79	24.60	24.39	24.41	24.41	25.5
16	QPSK	50	0	24.87	24.77	24.63	24.38	24.41	24.41	25.5
16	16QAM	1	0	25.13	25.10	24.91	24.73	24.73	24.73	24.5
16	16QAM	1	25	25.20	25.10	24.90	24.82	24.71	24.71	24.5
16	16QAM	1	40	25.19	25.15	24.96	24.78	24.79	24.79	24.5
16	16QAM	25	0	23.54	23.61	23.67	23.44	23.44	23.44	24.5
16	16QAM	25	12	23.61	23.61	23.62	23.45	23.45	23.45	24.5
16	16QAM	25	25	23.65	23.63	23.65	23.45	23.45	23.45	24.5
16	16QAM	50	0	23.51	23.60	23.68	23.39	23.39	23.39	24.5
16	16QAM	50	25	23.59	23.76	23.81	23.41	23.41	23.41	24.5
16	64QAM	1	0	23.51	23.64	23.68	23.49	23.48	23.48	24.5
16	64QAM	1	40	23.57	23.64	23.69	23.47	23.53	23.53	24.5
16	64QAM	25	0	22.85	22.72	22.54	22.39	22.37	22.37	23.5
16	64QAM	25	12	22.85	22.73	22.54	22.44	22.34	22.34	23.5
16	64QAM	25	25	22.88	22.75	22.55	22.37	22.38	22.38	23.5
16	64QAM	50	0	22.87	22.77	22.63	22.40	22.39	22.39	23.5
16	256QAM	1	0	20.24	20.10	20.01	19.83	19.80	19.80	21.5
16	256QAM	1	25	20.35	20.19	20.05	19.87	19.88	19.88	21.5
16	256QAM	1	40	20.28	20.09	20.00	19.74	19.83	19.83	21.5
16	256QAM	25	0	20.03	20.17	20.02	20.44	20.44	20.44	21.5
16	256QAM	25	12	20.02	20.16	20.05	20.44	20.44	20.44	21.5
16	256QAM	25	25	20.01	20.17	20.03	20.46	20.44	20.44	21.5
16	256QAM	50	0	20.08	20.17	20.05	20.45	20.45	20.45	21.5
Channel										
Frequency (MHz)				39750	40148	40500	41000	41400	41800	
5	QPSK	1	0	25.72	25.66	25.51	25.23	25.23	25.23	26.50
5	QPSK	1	12	25.69	25.61	25.46	25.21	25.19	25.19	26.50
5	QPSK	1	24	25.74	25.68	25.49	25.25	25.24	25.24	26.50
5	QPSK	12	0	24.84	24.76	24.67	24.34	24.37	24.37	25.5
5	QPSK	12	7	24.84	24.74	24.67	24.34	24.36	24.36	25.5
5	QPSK	12	13	24.85	24.75	24.65	24.35	24.35	24.35	25.5
5	QPSK	25	0	24.83	24.74	24.58	24.34	24.38	24.38	25.5
5	16QAM	1	0	24.61	24.64	24.66	24.45	24.43	24.43	24.5
5	16QAM	1	12	24.79	24.76	24.56	24.37	24.35	24.35	24.5
5	16QAM	1	24	24.84	24.81	24.60	24.40	24.38	24.38	24.5
5	16QAM	12	0	23.65	23.79	23.60	23.41	23.42	23.42	24.5
5	16QAM	12	7	23.61	23.81	23.65	23.43	23.40	23.40	24.5
5	16QAM	12	13	23.63	23.81	23.65	23.39	23.42	23.42	24.5
5	16QAM	25	0	23.68	23.82	23.63	23.41	23.42	23.42	24.5
5	64QAM	1	0	23.67	23.58	23.44	23.14	23.21	23.21	24.5
5	64QAM	12	0	23.67	23.65	23.73	23.51	23.51	23.51	24.5
5	64QAM	1	24	23.42	23.97	23.77	23.58	22.96	22.96	23.5
5	64QAM	12	0	22.89	22.78	22.59	22.39	22.41	22.41	23.5
5	64QAM	12	7	22.88	22.79	22.57	22.42	22.41	22.41	23.5
5	64QAM	12	13	22.89	22.80	22.61	22.39	22.42	22.42	23.5
5	64QAM	25	0	22.90	22.77	22.60	22.38	22.44	22.44	23.5
5	256QAM	1	0	20.02	20.40	20.20	20.04	20.06	20.06	21.5
5	256QAM	1	12	20.11	20.35	20.20	20.06	20.10	20.10	21.5
5	256QAM	1	24	20.13	20.36	20.20	20.09	20.10	20.10	21.5
5	256QAM	12	0	20.07	20.73	20.50	20.43	20.43	20.43	21.5
5	256QAM	12	7	20.08	20.73	20.50	20.43	20.43	20.43	21.5
5	256QAM	12	13	20.08	20.73	20.50	20.43	20.43	20.43	21.5

Band 41 PC3_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power Low Hgh. Freq.	Power High Ch. Freq.	Power High Mid. Freq.	Power High Hgh. Freq.	Time-up limit (dBm)
Channel										
Frequency (MHz)				39750	40165	40580	41000	41400	41800	
20	QPSK	1	0	22.70	22.65	22.45	22.25	22.25	22.25	23.2
20	QPSK	1	40	22.73	22.69	22.44	22.25	22.25	22.25	
20	QPSK	1	80	22.70	22.75	22.65	22.50	22.50	22.50	
20	QPSK	50	0	21.82	21.75	21.65	21.34	21.34	21.34	22.2
20	QPSK	50	24	21.85	21.80	21.63	21.36	21.36	21.36	
20	QPSK	50	48	21.84	21.77	21.59	21.38	21.37	21.37	
20	QPSK	100	0	21.85	21.75	21.65	21.39	21.37	21.37	
20	16QAM	1	0	21.88	21.80	21.65	21.58	21.43	21.43	22.2
20	16QAM	1	40	21.85	21.81	21.61	21.49	21.38	21.38	
20	16QAM	1	80	21.89	21.90	21.72	21.57	21.54	21.54	
20	16QAM	50	0	20.84	20.76	20.56	20.36	20.36	20.36	21.2
20	16QAM	50	24	20.87	20.78	20.64	20.45	20.37	20.37	
20	16QAM	50	48	20.87	20.77	20.62	20.39	20.39	20.39	
20	16QAM	100	0	20.85	20.75	20.55	20.40	20.37	20.37	
20	64QAM	1	0	20.69	20.44	20.27	20.15	20.13	20.13	21.2
20	64QAM	1	40	20.54	20.39	20.20	20.10	20.09	20.09	
20	64QAM	1	80	20.55	20.44	20.30	20.12	20.09	20.09	
20	64QAM	50	0	19.84	19.76	19.58	19.38	19.36	19.36	20.2
20	64QAM	50	24	19.85	19.80	19.62	19.40	19.38	19.38	
20	64QAM	50	48	19.85	19.75	19.61	19.41	19.35	19.35	
20	64QAM	100	0	19.84	19.74	19.57	19.39	19.34	19.34	
20	256QAM	1	0	17.60	17.50	17.42	17.33	17.08	17.08	18.2
20	256QAM	1	40	17.68	17.41	17.31	17.09	17.04	17.04	
20	256QAM	1	80	17.69	17.37	17.28	17.02	17.11	17.11	
20	256QAM	50	0	17.65	17.36	17.30	17.04	17.03	17.03	18.2
20	256QAM	50	24	17.61	17.71	17.70	17.50	17.42	17.42	
20	256QAM	50	48	17.62	17.70	17.72	17.47	17.50	17.50	
20	256QAM	100	0	17.61	17.63	17.62	17.40	17.48	17.48	
Channel										
Frequency (MHz)				39750	40173	40580	41000	41400	41800	
20	QPSK	1	0	22.71	22.70	22.54	22.37	22.29	22.29	23.2
20	QPSK	1	40	22.72	22.70	22.47	22.28	22.28	22.28	
20	QPSK	1	80	22.73	22.75	22.57	22.39	22.39	22.39	
20	QPSK	25	0	21.87	21.75	21.59	21.36	21.38	21.38	22.2
20	QPSK	25	12	21.88	21.76	21.61	21.39	21.40	21.40	
20	QPSK	25	24	21.87	21.79	21.62	21.40	21.42	21.42	
20	QPSK	50	0	21.89	21.78	21.64	21.41	21.43	21.43	
20	QPSK	50	24	21.92	21.79	21.65	21.42	21.43	21.43	
20	QPSK	50	48	21.91	21.79	21.62	21.39	21.41	21.41	
20	16QAM	1	0	21.93	21.85	21.67	21.47	21.48	21.48	22.2
20	16QAM	1	36	21.98	21.76	21.63	21.41	21.42	21.42	
20	16QAM	1	72	21.91	21.81	21.65	21.44	21.44	21.44	
20	16QAM	25	0	20.50	20.81	20.62	20.44	20.45	20.45	21.2
20	16QAM	25	12	20.53	20.81	20.64	20.45	20.45	20.45	
20	16QAM	25	24	20.50	20.79	20.63	20.42	20.41	20.41	
20	16QAM	50	0	20.87	20.78	20.61	20.39	20.39	20.39	21.2
20	16QAM	50	12	20.88	20.80	20.61	20.39	20.39	20.39	
20	64QAM	1	0	20.70	20.54	20.29	20.13	20.14	20.14	20.2
20	64QAM	25	0	19.84	19.75	19.57	19.38	19.38	19.38	
20	64QAM	25	12	19.86	19.76	19.57	19.37	19.39	19.39	
20	64QAM	25	24	19.87	19.78	19.60	19.39	19.43	19.43	
20	64QAM	50	0	19.89	19.78	19.64	19.42	19.43	19.43	
20	256QAM	1	0	17.62	17.41	17.36	17.25	17.07	17.07	18.2
20	256QAM	1	25	17.48	17.37	17.33	17.20	17.14	17.14	
20	256QAM	1	40	17.49	17.36	17.37	17.15	17.10	17.10	
20	256QAM	12	0	17.68	17.77	17.64	17.40	17.45	17.45	
20	256QAM	25	12	17.69	17.76	17.61	17.40	17.46	17.46	18.2
20	256QAM	25	24	17.69	17.76	17.60	17.40	17.46	17.46	
20	256QAM	50	0	17.68	17.63	17.60	17.44	17.54	17.54	
Channel										
Frequency (MHz)				39750	40148	40580	41000	41400	41800	
20	QPSK	1	0	22.71	22.70	22.53	22.34	22.34	22.34	23.2
20	QPSK	1	12	22.71	22.70	22.44	22.31	22.33	22.33	
20	QPSK	1	24	22.70	22.71	22.53	22.35	22.34	22.34	
20	QPSK	12	0	21.85	21.78	21.59	21.37	21.36	21.36	22.2
20	QPSK	12	7	21.82	21.79	21.60	21.41	21.40	21.40	
20	QPSK	12	13	21.85	21.77	21.58	21.39	21.42	21.42	
20	QPSK	25	0	21.83	21.78	21.62	21.38	21.42	21.42	
20	QPSK	25	12	21.86	21.76	21.61	21.39	21.42	21.42	
20	16QAM	1	0	21.92	21.85	21.67	21.47	21.48	21.48	22.2
20	16QAM	1	12	21.98	21.85	21.58	21.46	21.52	21.52	
20	16QAM	1	24	21.96	21.87	21.67	21.47	21.54	21.54	
20	16QAM	12	0	20.83	20.72	20.55	20.37	20.38	20.38	21.2
20	16QAM	12	7	20.89	20.75	20.54	20.38	20.39	20.39	
20	16QAM	12	13	20.84	20.70	20.56	20.36	20.36	20.36	
20	16QAM	25	0	20.90	20.79	20.62	20.42	20.44	20.44	
20	64QAM	1	0	20.72	20.58	20.41	20.27	20.29	20.29	21.2
20	64QAM	1	12	20.75	20.61	20.34	20.39	20.27	20.27	
20	64QAM	1	24	20.74	20.63	20.42	20.29	20.25	20.25	
20	64QAM	12	0	19.86	19.78	19.58	19.41	19.40	19.40	20.2
20	64QAM	12	7	19.85	19.81	19.59	19.40	19.42	19.42	
20	64QAM	12	13	19.88	19.79	19.58	19.40	19.43	19.43	
20	64QAM	25	0	19.88	19.76	19.63	19.40	19.41	19.41	
20	256QAM	1	0	17.41	17.31	17.34	17.08	17.00	17.00	18.2
20	256QAM	1	12	17.30	17.34	17.34	17.03	16.98	16.98	
20	256QAM	1	24	17.40	17.36	17.31	17.02	16.99	16.99	
20	256QAM	12	0	17.65	17.61	17.54	17.03	17.25	17.25	
20	256QAM	12	7	17.69	17.63	17.56	17.01	17.24	17.24	18.2
20	256QAM	12	13	17.70	17.65	17.53	17.32	17.20	17.20	



Band 48_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Low Ch. (Frac)	Power Low Middle Ch. (Frac)	Power Low High Middle Ch. (Frac)	Power High Ch. (Frac)	Take-up time (dB)
Channel				56340	56830	56830	56830	56830	
Frequency (MHz)				56340	56830	56830	56830	56830	
20	QPSK	1	0	23.14	23.00	22.92	22.92	23.15	24.5
20	QPSK	1	49	23.13	22.99	22.91	22.91	23.12	
20	QPSK	1	99	23.08	22.90	22.82	22.82	23.04	
20	QPSK	80	0	22.24	22.08	22.00	22.00	22.28	
20	QPSK	50	24	22.97	22.14	22.05	22.05	22.29	23.5
20	QPSK	80	0	22.23	22.06	21.97	21.97	22.24	
20	QPSK	100	0	22.22	22.04	21.98	21.98	22.23	
20	QPSK	1	0	22.29	22.10	22.02	22.02	22.28	
20	HQDM	1	49	22.27	22.07	21.97	21.97	22.28	23.5
20	HQDM	1	99	22.21	22.01	21.91	21.91	22.19	
20	HQDM	25	0	21.22	21.09	21.00	21.00	21.28	
20	HQDM	50	24	21.26	21.11	21.02	21.02	21.28	
20	HQDM	50	50	21.20	21.05	20.96	20.96	21.20	22.5
20	HQDM	100	0	21.18	21.02	20.92	20.92	21.23	
20	HQDM	1	0	21.00	20.88	20.79	20.79	20.98	
20	HQDM	1	49	21.03	20.92	20.79	20.79	21.00	
20	HQDM	1	99	20.95	20.83	20.71	20.71	20.95	21.5
20	HQDM	50	0	20.20	20.07	20.02	20.02	20.27	
20	HQDM	25	24	20.25	20.10	20.00	20.00	20.27	
20	HQDM	50	50	20.20	20.04	19.94	19.94	20.22	
20	HQDM	100	0	20.18	20.01	19.93	19.93	20.19	19.5
20	SSBDM	1	0	17.87	17.80	17.75	17.75	17.91	
20	SSBDM	1	49	17.82	17.51	17.50	17.50	17.79	
20	SSBDM	1	99	17.86	17.50	17.51	17.51	17.87	
20	SSBDM	80	0	17.82	17.78	17.82	17.82	18.07	
20	SSBDM	50	24	17.87	17.82	17.89	17.89	18.11	19.5
20	SSBDM	80	50	18.00	17.86	17.92	17.92	18.16	
20	SSBDM	100	0	17.89	17.77	17.81	17.81	18.05	
Channel				56315	56830	56830	56830	56830	
Frequency (MHz)				56315	56830	56830	56830	56830	
15	QPSK	1	0	23.13	23.01	22.92	22.92	23.14	24.5
15	QPSK	1	37	23.14	22.95	22.84	22.84	23.13	
15	QPSK	1	74	23.13	22.96	22.85	22.85	23.14	
15	QPSK	80	0	22.20	22.07	22.02	22.02	22.28	
15	QPSK	80	29	22.20	22.08	22.04	22.04	22.25	23.5
15	QPSK	80	59	22.20	22.08	21.99	21.99	22.28	
15	QPSK	75	0	22.21	22.08	21.99	21.99	22.24	
15	HQDM	1	0	22.25	22.17	22.09	22.09	22.31	
15	HQDM	1	37	22.25	22.14	22.05	22.05	22.22	23.5
15	HQDM	1	74	22.26	22.11	22.03	22.03	22.24	
15	HQDM	80	0	21.19	21.04	20.99	20.99	21.23	
15	HQDM	80	20	21.19	21.04	21.01	21.01	21.22	
15	HQDM	80	59	21.19	21.02	20.95	20.95	21.19	22.5
15	HQDM	75	0	21.21	21.04	20.97	20.97	21.23	
15	HQDM	1	0	21.08	20.88	20.84	20.84	21.05	
15	HQDM	1	37	21.07	20.88	20.75	20.75	20.99	
15	HQDM	1	74	21.04	20.83	20.71	20.71	21.00	21.5
15	HQDM	80	0	20.16	20.08	19.98	19.98	20.23	
15	HQDM	80	50	20.17	20.04	19.99	19.99	20.21	
15	HQDM	80	59	20.17	20.02	19.95	19.95	20.19	
15	HQDM	80	0	20.18	20.01	19.93	19.93	20.20	19.5
15	SSBDM	1	0	17.50	17.50	17.50	17.50	17.79	
15	SSBDM	1	37	17.55	17.52	17.54	17.54	17.74	
15	SSBDM	1	74	17.55	17.51	17.50	17.50	17.72	
15	SSBDM	80	0	17.88	17.78	17.79	17.79	18.06	
15	SSBDM	80	29	17.90	17.75	17.80	17.80	18.04	19.5
15	SSBDM	80	59	17.91	17.75	17.82	17.82	18.05	
15	SSBDM	75	0	17.90	17.79	17.82	17.82	18.13	
Channel				56515	56830	56830	56830	56830	
Frequency (MHz)				56515	56830	56830	56830	56830	
10	QPSK	1	0	23.13	23.01	22.92	22.92	23.14	24.5
10	QPSK	1	25	23.08	22.96	22.85	22.85	23.13	
10	QPSK	1	49	23.11	22.97	22.90	22.90	23.13	
10	QPSK	80	0	22.19	22.05	21.99	21.99	22.27	
10	QPSK	25	12	22.21	22.07	21.99	21.99	22.25	23.5
10	QPSK	25	25	22.19	22.06	21.96	21.96	22.24	
10	QPSK	80	0	22.20	22.10	22.01	22.01	22.27	
10	HQDM	1	0	22.18	22.11	22.02	22.02	22.25	
10	HQDM	1	25	22.08	22.00	21.97	21.97	22.17	23.5
10	HQDM	1	49	22.15	22.04	21.98	21.98	22.21	
10	HQDM	25	0	21.21	21.09	21.03	21.03	21.28	
10	HQDM	25	12	21.21	21.07	21.01	21.01	21.28	
10	HQDM	25	25	21.19	21.04	20.99	20.99	21.23	22.5
10	HQDM	80	0	21.21	21.03	20.97	20.97	21.04	
10	HQDM	80	0	20.93	20.81	20.75	20.75	21.07	
10	HQDM	1	25	20.90	20.70	20.64	20.64	21.03	
10	HQDM	1	49	20.93	20.78	20.73	20.73	21.02	21.5
10	HQDM	25	0	20.18	19.99	19.98	19.98	20.22	
10	HQDM	25	12	20.15	19.97	19.93	19.93	20.21	
10	HQDM	25	25	20.14	19.97	19.94	19.94	20.21	
10	HQDM	50	0	20.20	20.02	19.98	19.98	20.26	19.5
10	SSBDM	1	0	17.55	17.50	17.54	17.54	17.82	
10	SSBDM	1	25	17.59	17.50	17.51	17.51	17.78	
10	SSBDM	1	49	17.64	17.54	17.55	17.55	17.94	
10	SSBDM	25	0	17.83	17.81	17.87	17.87	18.13	
10	SSBDM	25	12	17.94	17.82	17.88	17.88	18.11	19.5
10	SSBDM	25	25	17.99	17.81	17.85	17.85	18.15	
10	SSBDM	50	0	17.95	17.87	17.88	17.88	18.18	
Channel				56865	56830	56830	56830	56830	
Frequency (MHz)				56865	56830	56830	56830	56830	
5	QPSK	1	0	23.07	22.92	22.96	22.96	23.14	24.5
5	QPSK	1	12	23.10	22.92	22.85	22.85	23.12	
5	QPSK	1	24	23.11	22.93	22.87	22.87	23.11	
5	QPSK	12	0	22.21	22.05	21.99	21.99	22.27	
5	QPSK	12	7	22.23	22.04	21.98	21.98	22.21	23.5
5	QPSK	12	13	22.21	22.03	21.99	21.99	22.25	
5	QPSK	25	0	22.23	22.03	22.02	22.02	22.27	
5	HQDM	1	0	22.26	22.14	22.05	22.05	22.34	
5	HQDM	1	12	22.22	22.02	22.01	22.01	22.32	23.5
5	HQDM	1	24	22.29	22.18	22.10	22.10	22.35	
5	HQDM	12	0	21.17	21.02	20.98	20.98	21.25	
5	HQDM	12	7	21.18	21.01	20.98	20.98	21.26	
5	HQDM	12	13	21.13	20.99	20.97	20.97	21.23	22.5
5	HQDM	25	0	21.22	21.07	21.05	21.05	21.30	
5	HQDM	1	0	21.05	20.89	20.83	20.83	21.07	
5	HQDM	1	12	21.09	20.78	20.77	20.77	21.02	
5	HQDM	1	24	21.09	20.85	20.87	20.87	21.04	21.5
5	HQDM	12	0	20.18	19.97	19.96	19.96	20.21	
5	HQDM	12	7	20.20	19.96	19.93	19.93	20.22	
5	HQDM	12	13	20.18	19.88	19.93	19.93	20.20	
5	HQDM	25	0	20.18	20.03	19.94	19.94	20.23	19.5
5	SSBDM	1	0	17.53	17.53	17.54	17.54	17.88	
5	SSBDM	1	12	17.55	17.50	17.54	17.54	17.86	
5	SSBDM	1	24	17.55	17.40	17.43	17.43	17.85	
5	SSBDM	12	0	17.82	17.72	17.84	17.84	18.05	
5	SSBDM	12	7	17.84	17.74	17.84	17.84	18.05	19.5
5	SSBDM	12	13	17.84	17.77	17.85	17.85	18.07	
5	SSBDM	25	0	17.91	17.78	17.88	17.88	18.13	



Band 48_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power Low High Freq.	Power High Ch. Freq.	Power High Mid. Freq.	Power High High Freq.
Channel				56340	56830	56830	56830	56830	56830
Frequency (MHz)				56340	56830	56830	56830	56830	56830
20	QPSK	1	0	23.14	23.00	22.92	23.15	23.15	23.15
20	QPSK	1	49	23.13	22.99	22.91	23.12	23.12	23.12
20	QPSK	1	99	23.08	22.90	22.82	23.04	23.04	23.04
20	QPSK	80	0	22.24	22.08	22.00	22.26	22.26	22.26
20	QPSK	50	24	22.37	22.14	22.05	22.29	22.29	22.29
20	QPSK	80	80	22.23	22.06	21.97	22.24	22.24	22.24
20	QPSK	100	0	22.22	22.04	21.95	22.23	22.23	22.23
20	HQDM	1	0	22.29	22.10	22.02	22.28	22.28	22.28
20	HQDM	1	49	22.27	22.07	21.97	22.26	22.26	22.26
20	HQDM	1	99	22.21	22.01	21.91	22.19	22.19	22.19
20	HQDM	25	0	21.22	21.09	21.00	21.24	21.24	21.24
20	HQDM	50	24	21.26	21.11	21.02	21.28	21.28	21.28
20	HQDM	50	50	21.20	21.05	20.96	21.20	21.20	21.20
20	HQDM	100	0	21.15	21.00	20.91	21.23	21.23	21.23
20	HQDM	1	0	21.00	20.88	20.79	20.98	20.98	20.98
20	HQDM	1	49	21.03	20.92	20.79	21.00	21.00	21.00
20	HQDM	1	99	20.95	20.83	20.71	20.95	20.95	20.95
20	HQDM	50	0	20.20	20.07	20.00	20.27	20.27	20.27
20	HQDM	50	24	20.25	20.10	20.01	20.27	20.27	20.27
20	HQDM	50	50	20.20	20.04	19.95	20.22	20.22	20.22
20	HQDM	100	0	20.18	20.01	19.93	20.19	20.19	20.19
20	SSBDM	1	0	17.87	17.80	17.75	17.91	17.91	17.91
20	SSBDM	1	49	17.82	17.51	17.50	17.79	17.79	17.79
20	SSBDM	1	99	17.86	17.50	17.41	17.87	17.87	17.87
20	SSBDM	80	0	17.82	17.75	17.62	18.07	18.07	18.07
20	SSBDM	50	24	17.87	17.82	17.69	18.11	18.11	18.11
20	SSBDM	80	80	18.00	17.86	17.82	18.16	18.16	18.16
20	SSBDM	100	0	17.89	17.77	17.61	18.05	18.05	18.05
Channel				56315	56830	56830	56830	56830	56830
Frequency (MHz)				56315	56830	56830	56830	56830	56830
15	QPSK	1	0	23.13	23.01	22.92	23.14	23.14	23.14
15	QPSK	1	37	23.14	22.95	22.84	23.13	23.13	23.13
15	QPSK	1	74	23.13	22.96	22.83	23.14	23.14	23.14
15	QPSK	80	0	22.20	22.07	22.02	22.26	22.26	22.26
15	QPSK	80	20	22.20	22.08	22.04	22.25	22.25	22.25
15	QPSK	80	39	22.20	22.06	21.99	22.26	22.26	22.26
15	QPSK	75	0	22.21	22.08	21.99	22.24	22.24	22.24
15	HQDM	1	0	22.25	22.17	22.09	22.31	22.31	22.31
15	HQDM	1	37	22.25	22.14	22.05	22.22	22.22	22.22
15	HQDM	1	74	22.26	22.11	22.03	22.24	22.24	22.24
15	HQDM	80	0	21.19	21.04	20.99	21.23	21.23	21.23
15	HQDM	80	20	21.19	21.04	21.01	21.22	21.22	21.22
15	HQDM	80	39	21.19	21.02	20.95	21.19	21.19	21.19
15	HQDM	75	0	21.21	21.04	20.97	21.23	21.23	21.23
15	HQDM	1	0	21.08	20.88	20.84	21.05	21.05	21.05
15	HQDM	1	37	21.07	20.86	20.75	20.99	20.99	20.99
15	HQDM	1	74	21.04	20.83	20.71	21.00	21.00	21.00
15	HQDM	80	0	20.15	20.08	19.98	20.23	20.23	20.23
15	HQDM	80	20	20.17	20.04	19.99	20.21	20.21	20.21
15	HQDM	80	39	20.17	20.02	19.95	20.19	20.19	20.19
15	HQDM	80	50	20.18	20.01	19.95	20.20	20.20	20.20
15	SSBDM	1	0	17.50	17.50	17.50	17.79	17.79	17.79
15	SSBDM	1	37	17.55	17.52	17.50	17.79	17.79	17.79
15	SSBDM	1	74	17.55	17.51	17.50	17.72	17.72	17.72
15	SSBDM	80	0	17.88	17.78	17.79	18.06	18.06	18.06
15	SSBDM	80	20	17.90	17.75	17.65	18.04	18.04	18.04
15	SSBDM	80	39	17.91	17.75	17.62	18.05	18.05	18.05
15	SSBDM	75	0	17.90	17.79	17.65	18.13	18.13	18.13
Channel				56515	56830	56830	56830	56830	56830
Frequency (MHz)				56515	56830	56830	56830	56830	56830
10	QPSK	1	0	23.13	23.01	22.92	23.14	23.14	23.14
10	QPSK	1	25	23.08	22.96	22.85	23.13	23.13	23.13
10	QPSK	1	49	23.11	22.97	22.90	23.13	23.13	23.13
10	QPSK	80	0	22.19	22.05	21.99	22.27	22.27	22.27
10	QPSK	25	12	22.21	22.07	21.99	22.25	22.25	22.25
10	QPSK	25	25	22.19	22.06	21.96	22.24	22.24	22.24
10	QPSK	80	0	22.20	22.10	22.01	22.27	22.27	22.27
10	HQDM	1	0	22.18	22.11	22.02	22.25	22.25	22.25
10	HQDM	1	25	22.08	22.00	21.97	22.17	22.17	22.17
10	HQDM	1	49	22.15	22.04	21.96	22.21	22.21	22.21
10	HQDM	25	0	21.21	21.09	21.03	21.28	21.28	21.28
10	HQDM	25	12	21.21	21.07	21.01	21.28	21.28	21.28
10	HQDM	25	25	21.19	21.04	20.99	21.23	21.23	21.23
10	HQDM	80	0	21.21	21.03	20.97	21.04	21.04	21.04
10	HQDM	80	0	20.95	20.81	20.75	21.07	21.07	21.07
10	HQDM	1	25	20.90	20.70	20.64	21.03	21.03	21.03
10	HQDM	1	49	20.93	20.78	20.73	21.02	21.02	21.02
10	HQDM	25	0	20.18	19.99	19.98	20.22	20.22	20.22
10	HQDM	25	12	20.15	19.97	19.93	20.21	20.21	20.21
10	HQDM	25	25	20.14	19.97	19.94	20.21	20.21	20.21
10	HQDM	50	0	20.20	20.02	19.98	20.26	20.26	20.26
10	SSBDM	1	0	17.55	17.50	17.50	17.82	17.82	17.82
10	SSBDM	1	25	17.59	17.50	17.51	17.78	17.78	17.78
10	SSBDM	1	49	17.64	17.54	17.55	17.94	17.94	17.94
10	SSBDM	25	0	17.83	17.81	17.67	18.13	18.13	18.13
10	SSBDM	25	12	17.94	17.82	17.88	18.11	18.11	18.11
10	SSBDM	25	25	17.99	17.81	17.82	18.15	18.15	18.15
10	SSBDM	50	0	17.95	17.87	17.88	18.18	18.18	18.18
Channel				56865	56830	56830	56830	56830	56830
Frequency (MHz)				56865	56830	56830	56830	56830	56830
5	QPSK	1	0	23.07	23.02	22.98	23.14	23.14	23.14
5	QPSK	1	12	23.10	22.92	22.85	23.12	23.12	23.12
5	QPSK	1	24	23.11	23.03	22.97	23.11	23.11	23.11
5	QPSK	12	0	22.21	22.05	21.99	22.27	22.27	22.27
5	QPSK	12	7	22.23	22.04	21.98	22.21	22.21	22.21
5	QPSK	12	13	22.21	22.03	21.97	22.25	22.25	22.25
5	QPSK	25	0	22.23	22.03	22.02	22.27	22.27	22.27
5	HQDM	1	0	22.26	22.14	22.05	22.34	22.34	22.34
5	HQDM	1	12	22.22	22.02	22.01	22.32	22.32	22.32
5	HQDM	1	24	22.29	22.18	22.10	22.35	22.35	22.35
5	HQDM	12	0	21.17	21.02	20.98	21.25	21.25	21.25
5	HQDM	12	7	21.18	21.01	20.98	21.26	21.26	21.26
5	HQDM	12	13	21.13	20.99	20.97	21.33	21.33	21.33
5	HQDM	25	0	21.22	21.07	21.05	21.30	21.30	21.30
5	HQDM	1	0	21.05	20.89	20.83	21.07	21.07	21.07
5	HQDM	1	12	21.09	20.78	20.77	21.02	21.02	21.02
5	HQDM	1	24	21.09	20.85	20.87	21.04	21.04	21.04
5	HQDM	12	0	20.18	19.97	19.96	20.21	20.21	20.21
5	HQDM	12	7	20.20	19.96	19.93	20.22	20.22	20.22
5	HQDM	12	13	20.18	19.88	19.93	20.20	20.20	20.20
5	HQDM	25	0	20.18	19.93	19.94	20.23	20.23	20.23
5	SSBDM	1	0	17.53	17.53	17.54	17.88	17.88	17.88
5	SSBDM	1	12	17.55	17.50	17.54	17.86	17.86	17.86
5	SSBDM	1	24	17.55	17.40	17.43	17.85	17.85	17.85
5	SSBDM	12	0	17.82	17.72	17.84	18.05	18.05	18.05
5	SSBDM	12	7	17.84	17.74	17.84	18.06	18.06	18.06
5	SSBDM	12	13	17.84	17.77	17.85	18.07	18.07	18.07
5	SSBDM	25	0	17.91	17.78	17.86	18.13	18.13	18.13



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	24.20	24.51	24.54	25.0
20	PI/2 BPSK	1	53	24.59	24.74	24.42	
20	PI/2 BPSK	1	104	24.47	24.50	24.15	
20	PI/2 BPSK	50	0	24.04	24.25	24.13	24.5
20	PI/2 BPSK	50	28	24.59	24.69	24.41	25.0
20	PI/2 BPSK	50	56	24.12	24.34	24.00	24.5
20	PI/2 BPSK	100	0	24.06	24.30	24.01	
20	QPSK	1	1	24.16	24.43	24.43	
20	QPSK	1	53	24.57	24.66	24.39	25.0
20	QPSK	1	104	24.43	24.52	24.14	
20	QPSK	50	0	23.59	23.75	23.46	
20	QPSK	50	28	24.58	24.69	24.49	25.0
20	QPSK	50	56	23.69	23.85	23.40	24.0
20	QPSK	100	0	23.68	23.83	23.35	
20	16QAM	1	1	23.16	23.37	23.07	
20	64QAM	1	1	21.94	22.10	21.83	22.5
20	256QAM	1	1	18.78	18.78	18.78	19.0
Channel				371500	376000	380500	tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.88	24.18	24.13	25.0
Channel				371000	376000	381000	tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.95	24.27	24.20	25.0
Channel				370500	376000	381500	tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.01	24.28	24.24	25.0

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	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.71	24.65	24.62	25.0
20	PI/2 BPSK	1	53	24.88	24.87	24.85	
20	PI/2 BPSK	1	104	24.74	24.70	24.65	
20	PI/2 BPSK	50	0	24.17	24.14	24.13	24.5
20	PI/2 BPSK	50	28	24.71	24.71	24.66	25.0
20	PI/2 BPSK	50	56	24.22	24.18	24.73	24.5
20	PI/2 BPSK	100	0	24.21	24.20	24.14	
20	QPSK	1	1	24.70	24.61	24.60	
20	QPSK	1	53	24.83	24.81	24.76	25.0
20	QPSK	1	104	24.75	24.69	24.68	
20	QPSK	50	0	23.67	23.68	23.61	24.0
20	QPSK	50	28	24.71	24.65	24.70	25.0
20	QPSK	50	56	23.73	23.71	24.71	24.0
20	QPSK	100	0	23.71	23.68	23.65	
20	16QAM	1	1	23.68	23.63	23.58	
20	64QAM	1	1	22.11	22.04	22.02	22.5
20	256QAM	1	1	20.13	20.08	20.05	20.5
Channel				166300	167300	168300	tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.71	24.61	24.69	
Channel				165800	167300	168800	tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.74	24.73	24.72	
Channel				165300	167300	169300	tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.77	24.74	24.74	

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	24.67	24.66	24.68	25.0
15	PI/2 BPSK	1	40	24.66	24.64	24.68	
15	PI/2 BPSK	1	77	24.72	24.70	24.73	
15	PI/2 BPSK	36	0	24.19	24.18	24.19	24.5
15	PI/2 BPSK	36	22	24.70	24.69	24.73	25.0
15	PI/2 BPSK	36	43	24.24	24.21	24.25	24.5
15	PI/2 BPSK	75	0	24.23	24.19	24.22	
15	QPSK	1	1	24.69	24.63	24.69	25.0
15	QPSK	1	40	24.65	24.61	24.67	
15	QPSK	1	77	24.73	24.69	24.75	
15	QPSK	36	0	23.69	23.66	23.70	24.0
15	QPSK	36	22	24.71	24.70	24.74	25.0
15	QPSK	36	43	23.72	23.69	23.71	24.0
15	QPSK	75	0	23.71	23.69	23.74	
15	16QAM	1	1	23.66	23.64	23.68	24.0
15	64QAM	1	1	22.06	22.04	22.09	22.5
15	256QAM	1	1	20.09	20.06	20.12	20.5
Channel				140800	141500	142200	tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.69	24.67	24.72	25.0
Channel				140300	141500	142700	tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.70	24.69	24.67	25.0

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.98		25.0
10	PI/2 BPSK	1	26		24.08		
10	PI/2 BPSK	1	50		23.96		
10	PI/2 BPSK	25	0		23.96		24.5
10	PI/2 BPSK	25	14		23.97		25.0
10	PI/2 BPSK	25	27		23.93		24.5
10	PI/2 BPSK	50	0		23.96		
10	QPSK	1	1		23.96		25.0
10	QPSK	1	26		24.05		
10	QPSK	1	50		23.95		
10	QPSK	25	0		23.98		24.0
10	QPSK	25	14		23.96		25.0
10	QPSK	25	27		23.96		24.0
10	QPSK	50	0		23.95		
10	16QAM	1	1		23.98		24.0
10	64QAM	1	1		22.49		22.5
10	256QAM	1	1		20.49		20.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.95	23.96	23.96	25.0

n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.59	24.54	24.48	25.0
20	PI/2 BPSK	1	53	24.83	24.80	24.76	
20	PI/2 BPSK	1	104	24.68	24.65	24.62	
20	PI/2 BPSK	50	0	24.12	24.09	24.12	24.5
20	PI/2 BPSK	50	28	24.69	24.69	24.67	25.0
20	PI/2 BPSK	50	56	24.18	24.21	24.17	24.5
20	PI/2 BPSK	100	0	24.18	24.17	24.16	
20	QPSK	1	1	24.58	24.56	24.53	
20	QPSK	1	53	24.81	24.79	24.74	25.0
20	QPSK	1	104	24.70	24.67	24.64	
20	QPSK	50	0	23.64	23.60	23.62	24.0
20	QPSK	50	28	24.70	24.72	24.67	25.0
20	QPSK	50	56	23.66	23.72	23.68	24.0
20	QPSK	100	0	23.66	23.64	23.64	
20	16QAM	1	1	23.59	23.56	23.55	24.0
20	64QAM	1	1	21.99	21.98	21.94	22.5
20	256QAM	1	1	20.01	19.99	19.97	20.5
Channel				134100	136100	138100	tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.61	24.56	24.60	
Channel				133600	136100	138600	tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.63	24.62	24.58	
Channel				133100	136100	139100	tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.66	24.64	24.66	

n7_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				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.84	23.61	23.58	24.6
20	PI/2 BPSK	1	53	23.96	23.86	23.80	
20	PI/2 BPSK	1	104	23.75	23.67	23.66	
20	PI/2 BPSK	50	0	23.83	23.72	23.71	24.1
20	PI/2 BPSK	50	28	23.83	23.73	23.72	24.6
20	PI/2 BPSK	50	56	23.80	23.72	23.68	24.1
20	PI/2 BPSK	100	0	23.82	23.73	23.70	
20	QPSK	1	1	23.81	23.68	23.64	
20	QPSK	1	53	23.94	23.77	23.76	24.6
20	QPSK	1	104	23.77	23.67	23.68	
20	QPSK	50	0	23.58	23.53	23.53	23.6
20	QPSK	50	28	23.82	23.74	23.73	24.6
20	QPSK	50	56	23.59	23.53	23.51	23.6
20	QPSK	100	0	23.44	23.53	23.53	
20	16QAM	1	1	23.48	23.50	23.50	23.6
20	64QAM	1	1	22.00	21.99	21.95	22.1
20	256QAM	1	1	20.07	19.90	19.95	20.1
Channel				501500	507000	512500	tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.82	23.73	23.72	24.6
Channel				501000	507000	513000	tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.84	23.74	23.71	24.6
Channel				500500	507000	513500	tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.86	23.76	23.73	24.6

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	24.36	24.40	24.39	25.0
20	PI/2 BPSK	1	53	24.27	24.39	24.38	
20	PI/2 BPSK	1	104	23.74	23.76	23.89	
20	PI/2 BPSK	50	0	24.01	24.04	24.03	
20	PI/2 BPSK	50	28	24.35	24.39	24.37	25.0
20	PI/2 BPSK	50	56	23.79	23.95	23.95	24.5
20	PI/2 BPSK	100	0	23.94	23.99	23.99	
20	QPSK	1	1	24.31	24.39	24.39	25.0
20	QPSK	1	53	24.29	24.35	24.22	
20	QPSK	1	104	23.67	23.76	23.76	
20	QPSK	50	0	23.51	23.61	23.57	
20	QPSK	50	28	23.50	24.25	24.25	25.0
20	QPSK	50	56	23.50	23.60	23.59	24.0
20	QPSK	100	0	23.56	23.64	23.64	
20	16QAM	1	1	23.07	23.16	23.29	24.0
20	64QAM	1	1	21.92	22.01	22.14	22.5
20	256QAM	1	1	18.76	18.76	18.76	19.0
Channel				371500	376500	381500	tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.92	23.97	23.97	25.0
Channel				371000	376500	382000	tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.94	23.97	23.99	25.0
Channel				370500	376500	382500	tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.95	23.94	23.92	25.0



n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.12	24.01	24.08	25.0
40	PI/2 BPSK	1	108	24.65	24.49	24.15	
40	PI/2 BPSK	1	214	24.33	23.89	23.61	
40	PI/2 BPSK	108	0	23.80	23.73	23.66	24.5
40	PI/2 BPSK	108	54	24.33	24.24	24.11	25.0
40	PI/2 BPSK	108	108	24.07	23.67	23.68	24.5
40	PI/2 BPSK	216	0	23.83	23.71	23.62	
40	QPSK	1	1	23.88	24.08	23.98	
40	QPSK	1	108	24.48	24.38	24.11	25.0
40	QPSK	1	214	24.18	23.89	23.61	
40	QPSK	108	0	23.31	23.23	23.17	
40	QPSK	108	54	24.33	24.35	24.11	25.0
40	QPSK	108	108	23.58	23.60	23.20	24.0
40	QPSK	216	0	23.48	23.64	23.27	
40	16QAM	1	1	23.08	23.01	22.90	
40	64QAM	1	1	21.49	21.41	21.44	22.5
40	256QAM	1	1	18.78	18.80	18.80	19.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.82	23.90	23.93	25.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.79	23.85	23.89	25.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.89	23.93	23.94	25.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.92	23.95	23.79	25.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.94	23.99	23.85	25.0

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	20.01	19.99	19.91	20.2
20	PI/2 BPSK	1	53	20.19	20.14	20.18	
20	PI/2 BPSK	1	104	20.06	20.03	19.92	
20	PI/2 BPSK	50	0	20.18	20.01	19.94	
20	PI/2 BPSK	50	28	20.18	20.13	20.00	20.2
20	PI/2 BPSK	50	56	20.17	20.04	19.99	20.2
20	PI/2 BPSK	100	0	20.16	20.08	20.04	
20	QPSK	1	1	20.08	20.01	19.88	
20	QPSK	1	53	20.15	20.03	19.99	
20	QPSK	1	104	20.11	19.91	19.96	20.2
20	QPSK	50	0	19.98	20.01	19.79	
20	QPSK	50	28	20.15	20.03	19.98	
20	QPSK	50	56	20.07	19.99	20.07	
20	QPSK	100	0	20.11	20.08	19.88	20.2
20	16QAM	1	1	20.14	19.89	19.80	20.2
20	64QAM	1	1	19.72	19.52	19.63	20.2
20	256QAM	1	1	18.02	17.85	17.79	19.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.98	20.07	19.97	20.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	19.97	20.04	19.88	20.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	20.05	20.04	19.93	20.2

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				462000			
Frequency (MHz)				2310			
10	PI/2 BPSK	1	1		20.59		21.0
10	PI/2 BPSK	1	26		20.75		
10	PI/2 BPSK	1	50		20.64		
10	PI/2 BPSK	25	0		20.62		21.0
10	PI/2 BPSK	25	14		20.63		21.0
10	PI/2 BPSK	25	27		20.61		21.0
10	PI/2 BPSK	50	0		20.63		
10	QPSK	1	1		20.56		
10	QPSK	1	26		20.65		21.0
10	QPSK	1	50		20.57		
10	QPSK	25	0		20.56		21.0
10	QPSK	25	14		20.53		21.0
10	QPSK	25	27		20.57		21.0
10	QPSK	50	0		20.59		
10	16QAM	1	1		20.67		21.0
10	64QAM	1	1		20.60		21.0
10	256QAM	1	1		20.32		20.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	20.58	20.55	20.53	21.0

n7_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				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	19.49	19.39	19.45	19.5
20	PI/2 BPSK	1	53	19.49	19.49	19.50	
20	PI/2 BPSK	1	104	19.46	19.42	19.46	
20	PI/2 BPSK	50	0	19.49	19.49	19.50	
20	PI/2 BPSK	50	28	19.48	19.48	19.49	19.5
20	PI/2 BPSK	50	56	19.49	19.47	19.48	19.5
20	PI/2 BPSK	100	0	19.48	19.47	19.49	
20	QPSK	1	1	19.43	19.31	19.44	19.5
20	QPSK	1	53	19.45	19.45	19.40	
20	QPSK	1	104	19.40	19.34	19.40	
20	QPSK	50	0	19.48	19.40	19.49	
20	QPSK	50	28	19.49	19.43	19.47	19.5
20	QPSK	50	56	19.47	19.40	19.44	19.5
20	QPSK	100	0	19.42	19.45	19.43	
20	16QAM	1	1	19.49	19.47	19.45	19.5
20	64QAM	1	1	19.39	19.44	19.43	19.5
20	256QAM	1	1	19.45	19.46	19.46	19.5
Channel				501500	507000	512500	tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	19.49	19.36	19.44	19.5
Channel				501000	507000	513000	tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	19.44	19.31	19.47	19.5
Channel				500500	507000	513500	tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	19.49	19.31	19.41	19.5

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	20.06	20.08	19.97	20.2
20	PI/2 BPSK	1	53	20.20	20.19	20.19	
20	PI/2 BPSK	1	104	20.16	20.08	19.95	
20	PI/2 BPSK	50	0	20.19	20.06	19.99	20.2
20	PI/2 BPSK	50	28	20.19	20.18	20.07	20.2
20	PI/2 BPSK	50	56	20.15	20.11	20.01	20.2
20	PI/2 BPSK	100	0	20.19	20.10	20.04	
20	QPSK	1	1	20.18	20.08	19.92	
20	QPSK	1	53	20.10	20.13	20.08	20.2
20	QPSK	1	104	20.11	20.00	20.03	
20	QPSK	50	0	20.07	20.04	19.85	
20	QPSK	50	28	20.12	20.11	19.98	20.2
20	QPSK	50	56	20.12	20.00	20.07	20.2
20	QPSK	100	0	20.19	20.10	19.93	
20	16QAM	1	1	20.12	19.98	19.89	
20	64QAM	1	1	19.72	19.61	19.67	20.2
20	256QAM	1	1	18.10	17.89	17.79	19.0
Channel				371500	376500	381500	tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	20.06	20.02	19.96	20.2
Channel				371000	376500	382000	tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	20.13	20.09	20.03	20.2
Channel				370500	376500	382500	tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	20.10	20.10	19.98	20.2

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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.64	21.62	21.60	22.7
40	PI/2 BPSK	1	108	22.43	22.48	22.47	
40	PI/2 BPSK	1	214	21.98	22.01	21.97	
40	PI/2 BPSK	108	0	22.05	22.04	22.09	
40	PI/2 BPSK	108	54	22.30	22.31	22.32	22.7
40	PI/2 BPSK	108	108	22.21	22.26	22.25	22.7
40	PI/2 BPSK	216	0	22.17	22.15	22.19	
40	QPSK	1	1	21.61	21.60	21.62	22.7
40	QPSK	1	108	22.34	22.41	22.39	
40	QPSK	1	214	21.93	21.91	21.88	
40	QPSK	108	0	21.97	22.01	22.08	
40	QPSK	108	54	22.29	22.25	22.25	22.7
40	QPSK	108	108	22.12	22.21	22.17	22.7
40	QPSK	216	0	22.12	22.13	22.11	
40	16QAM	1	1	21.65	21.63	21.64	22.7
40	64QAM	1	1	21.28	21.25	21.26	22.2
40	256QAM	1	1	17.81	17.81	17.77	18.7
Channel				345000	349000	353000	tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.63	21.62	21.60	22.7
Channel				344000	349000	354000	tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.61	21.64	21.65	22.7
Channel				343500	349000	354500	tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.63	21.63	21.65	22.7
Channel				343000	349000	355000	tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.60	21.60	21.61	22.7
Channel				342500	349000	355500	tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.61	21.62	21.57	22.7

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	22.01	22.07	21.97	22.3
20	PI/2 BPSK	1	53	22.30	22.27	22.29	
20	PI/2 BPSK	1	104	22.21	22.15	21.93	
20	PI/2 BPSK	50	0	22.10	22.10	22.00	22.3
20	PI/2 BPSK	50	28	22.25	22.18	22.06	22.3
20	PI/2 BPSK	50	56	22.13	22.05	22.01	22.3
20	PI/2 BPSK	100	0	22.17	22.16	22.07	
20	QPSK	1	1	22.21	22.13	21.98	
20	QPSK	1	53	22.23	22.09	22.10	22.3
20	QPSK	1	104	22.20	22.02	22.01	
20	QPSK	50	0	21.94	22.06	21.77	
20	QPSK	50	28	22.13	22.02	22.02	22.3
20	QPSK	50	56	22.08	22.01	22.12	22.3
20	QPSK	100	0	22.19	22.09	22.00	
20	16QAM	1	1	22.15	21.98	21.87	
20	64QAM	1	1	21.70	21.72	21.75	22.3
20	256QAM	1	1	18.25	18.26	18.27	19.3
Channel				371500	376000	380500	tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.05	22.07	21.97	22.3
Channel				371000	376000	381000	tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.07	21.99	21.93	22.3
Channel				370500	376000	381500	tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.02	21.98	21.92	22.3

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.72		22.8
10	PI/2 BPSK	1	26		22.80		
10	PI/2 BPSK	1	50		22.69		
10	PI/2 BPSK	25	0		22.71		22.8
10	PI/2 BPSK	25	14		22.67		22.8
10	PI/2 BPSK	25	27		22.69		22.8
10	PI/2 BPSK	50	0		22.68		
10	QPSK	1	1		22.71		22.8
10	QPSK	1	26		22.70		
10	QPSK	1	50		22.63		
10	QPSK	25	0		22.64		22.8
10	QPSK	25	14		22.65		22.8
10	QPSK	25	27		22.68		22.8
10	QPSK	50	0		22.60		
10	16QAM	1	1		22.56		22.8
10	64QAM	1	1		22.19		22.5
10	256QAM	1	1		20.27		20.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.78	22.78	22.75	22.8



n7_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				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.68	21.50	21.62	22.0
20	PI/2 BPSK	1	53	21.74	21.68	21.76	
20	PI/2 BPSK	1	104	21.54	21.58	21.59	
20	PI/2 BPSK	50	0	21.56	21.55	21.62	22.0
20	PI/2 BPSK	50	28	21.63	21.56	21.65	22.0
20	PI/2 BPSK	50	56	21.64	21.52	21.49	22.0
20	PI/2 BPSK	100	0	21.52	21.59	21.68	
20	QPSK	1	1	21.52	21.34	21.57	
20	QPSK	1	53	21.68	21.68	21.70	22.0
20	QPSK	1	104	21.49	21.42	21.51	
20	QPSK	50	0	21.49	21.52	21.54	
20	QPSK	50	28	21.58	21.51	21.59	22.0
20	QPSK	50	56	21.58	21.46	21.47	22.0
20	QPSK	100	0	21.56	21.56	21.52	
20	16QAM	1	1	21.61	21.60	21.69	
20	64QAM	1	1	21.52	21.49	21.50	22.0
20	256QAM	1	1	19.76	19.74	19.75	20.0
Channel				501500	507000	512500	tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.68	21.50	21.65	22.0
Channel				501000	507000	513000	tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.65	21.51	21.63	22.0
Channel				500500	507000	513500	tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.58	21.45	21.67	22.0



n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.15	22.06	22.03	22.3
20	PI/2 BPSK	1	53	22.30	22.23	22.29	
20	PI/2 BPSK	1	104	22.21	22.20	21.95	
20	PI/2 BPSK	50	0	22.21	22.10	22.04	22.3
20	PI/2 BPSK	50	28	22.29	22.22	22.16	22.3
20	PI/2 BPSK	50	56	22.19	22.14	22.12	22.3
20	PI/2 BPSK	100	0	22.29	22.19	22.14	
20	QPSK	1	1	22.19	22.19	21.93	
20	QPSK	1	53	22.20	22.13	22.08	22.3
20	QPSK	1	104	22.20	22.08	22.03	
20	QPSK	50	0	22.03	22.11	21.86	
20	QPSK	50	28	22.26	22.12	22.02	22.3
20	QPSK	50	56	22.26	22.04	22.12	22.3
20	QPSK	100	0	22.18	22.25	22.00	
20	16QAM	1	1	22.20	22.04	21.89	
20	64QAM	1	1	21.70	21.76	21.72	22.3
20	256QAM	1	1	18.27	18.29	18.25	19.3
Channel				371500	376500	381500	tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.10	22.04	22.00	22.3
Channel				371000	376500	382000	tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.06	22.04	21.98	22.3
Channel				370500	376500	382500	tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.14	22.04	22.01	22.3

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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.31	23.30	23.32	24.7
40	PI/2 BPSK	1	108	23.43	23.47	23.42	
40	PI/2 BPSK	1	214	23.22	23.22	23.23	
40	PI/2 BPSK	108	0	23.03	23.03	23.05	24.2
40	PI/2 BPSK	108	54	23.22	23.31	23.24	24.7
40	PI/2 BPSK	108	108	23.19	23.20	23.16	24.2
40	PI/2 BPSK	216	0	23.15	23.06	23.19	
40	QPSK	1	1	23.30	23.29	23.22	
40	QPSK	1	108	23.26	23.33	23.36	24.7
40	QPSK	1	214	23.26	23.26	23.22	
40	QPSK	108	0	22.97	23.00	23.07	
40	QPSK	108	54	23.24	23.17	23.21	24.7
40	QPSK	108	108	23.07	23.11	23.12	23.7
40	QPSK	216	0	23.05	23.11	23.02	
40	16QAM	1	1	22.58	22.56	22.59	
40	64QAM	1	1	21.12	21.19	21.16	22.2
40	256QAM	1	1	17.81	17.84	17.82	18.7
Channel				345000	349000	353000	tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.22	23.23	23.22	24.7
Channel				344000	349000	354000	tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.22	23.23	23.23	24.7
Channel				343500	349000	354500	tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.23	23.22	23.23	24.7
Channel				343000	349000	355000	tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.22	23.25	23.22	24.7
Channel				342500	349000	355500	tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.27	23.21	23.25	24.7

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	21.00	20.97	20.88	21.1
20	PI/2 BPSK	1	53	21.10	21.05	21.06	
20	PI/2 BPSK	1	104	21.06	21.05	20.89	
20	PI/2 BPSK	50	0	21.10	21.06	20.97	
20	PI/2 BPSK	50	28	21.05	21.01	21.06	21.1
20	PI/2 BPSK	50	56	21.09	20.99	21.00	21.1
20	PI/2 BPSK	100	0	21.05	21.06	21.06	
20	QPSK	1	1	21.01	21.05	20.88	
20	QPSK	1	53	21.09	21.02	21.04	
20	QPSK	1	104	21.08	21.01	20.93	21.1
20	QPSK	50	0	20.92	21.03	20.73	
20	QPSK	50	28	21.08	20.99	20.93	
20	QPSK	50	56	21.07	21.00	21.06	
20	QPSK	100	0	21.06	21.09	20.91	21.1
20	16QAM	1	1	21.08	20.91	20.81	21.1
20	64QAM	1	1	20.95	20.97	20.89	21.1
20	256QAM	1	1	18.18	18.14	18.21	18.6
Channel				371500	376000	380500	tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	21.04	20.96	20.85	21.1
Channel				371000	376000	381000	tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	21.01	20.94	20.93	21.1
Channel				370500	376000	381500	tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	20.98	20.91	20.84	21.1

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.54		21.6
10	PI/2 BPSK	1	26		21.60		
10	PI/2 BPSK	1	50		21.59		
10	PI/2 BPSK	25	0		21.55		21.6
10	PI/2 BPSK	25	14		21.56		21.6
10	PI/2 BPSK	25	27		21.55		21.6
10	PI/2 BPSK	50	0		21.55		
10	QPSK	1	1		21.51		
10	QPSK	1	26		21.56		21.6
10	QPSK	1	50		21.55		
10	QPSK	25	0		21.52		
10	QPSK	25	14		21.53		21.6
10	QPSK	25	27		21.59		21.6
10	QPSK	50	0		21.54		
10	16QAM	1	1		21.56		21.6
10	64QAM	1	1		21.50		21.6
10	256QAM	1	1		20.33		20.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.54	21.58	21.57	21.6

n7_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				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.58	20.42	20.57	20.8
20	PI/2 BPSK	1	53	20.75	20.75	20.80	
20	PI/2 BPSK	1	104	20.50	20.50	20.53	
20	PI/2 BPSK	50	0	20.66	20.65	20.70	20.8
20	PI/2 BPSK	50	28	20.55	20.54	20.57	20.8
20	PI/2 BPSK	50	56	20.54	20.49	20.48	20.8
20	PI/2 BPSK	100	0	20.49	20.53	20.70	
20	QPSK	1	1	20.46	20.31	20.53	
20	QPSK	1	53	20.63	20.60	20.69	20.8
20	QPSK	1	104	20.41	20.40	20.48	
20	QPSK	50	0	20.49	20.47	20.49	20.8
20	QPSK	50	28	20.58	20.51	20.57	20.8
20	QPSK	50	56	20.57	20.45	20.44	20.8
20	QPSK	100	0	20.51	20.46	20.46	
20	16QAM	1	1	20.59	20.56	20.59	20.8
20	64QAM	1	1	20.42	20.47	20.45	20.8
20	256QAM	1	1	19.75	19.76	19.77	20.0
Channel				501500	507000	512500	tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.53	20.41	20.60	20.8
Channel				501000	507000	513000	tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.51	20.48	20.58	20.8
Channel				500500	507000	513500	tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.58	20.44	20.58	20.8



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	21.06	20.99	20.93	21.1
20	PI/2 BPSK	1	53	21.10	21.02	21.00	
20	PI/2 BPSK	1	104	21.09	21.09	20.93	21.1
20	PI/2 BPSK	50	0	21.00	21.06	21.04	
20	PI/2 BPSK	50	28	21.10	21.09	21.10	21.1
20	PI/2 BPSK	50	56	21.00	21.04	21.02	
20	PI/2 BPSK	100	0	21.02	21.02	21.07	21.1
20	QPSK	1	1	21.03	21.09	20.91	
20	QPSK	1	53	21.03	21.08	21.04	21.1
20	QPSK	1	104	21.02	21.01	21.02	
20	QPSK	50	0	21.01	21.09	20.81	21.1
20	QPSK	50	28	21.03	21.06	20.99	
20	QPSK	50	56	21.02	21.01	21.02	21.1
20	QPSK	100	0	21.03	21.03	20.97	
20	16QAM	1	1	21.05	20.96	20.85	21.1
20	64QAM	1	1	20.95	21.00	20.98	
20	256QAM	1	1	18.26	18.24	18.24	18.6
Channel				371500	376500	381500	tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.07	21.02	20.95	21.1
Channel				371000	376500	382000	tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.09	21.09	21.01	21.1
Channel				370500	376500	382500	tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.09	21.05	20.91	21.1

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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.31	23.30	23.32	23.5
40	PI/2 BPSK	1	108	23.43	23.47	23.42	
40	PI/2 BPSK	1	214	23.22	23.22	23.23	
40	PI/2 BPSK	108	0	23.03	23.03	23.05	23.5
40	PI/2 BPSK	108	54	23.22	23.31	23.24	23.5
40	PI/2 BPSK	108	108	23.19	23.20	23.16	23.5
40	PI/2 BPSK	216	0	23.15	23.06	23.19	
40	QPSK	1	1	23.30	23.29	23.22	23.5
40	QPSK	1	108	23.26	23.33	23.36	
40	QPSK	1	214	23.26	23.26	23.22	
40	QPSK	108	0	22.97	23.00	23.07	23.5
40	QPSK	108	54	23.24	23.17	23.21	23.5
40	QPSK	108	108	23.07	23.11	23.12	23.5
40	QPSK	216	0	23.05	23.11	23.02	
40	16QAM	1	1	22.58	22.56	22.59	23.5
40	64QAM	1	1	21.12	21.19	21.16	22.5
40	256QAM	1	1	17.81	17.84	17.82	19.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.22	23.23	23.22	23.5
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.22	23.23	23.23	23.5
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.23	23.22	23.23	23.5
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.22	23.25	23.22	23.5
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.27	23.21	23.25	23.5

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	23.79	23.98	23.66	24.7
20	PI/2 BPSK	1	53	24.07	24.25	23.82	
20	PI/2 BPSK	1	104	23.84	23.90	23.45	
20	PI/2 BPSK	50	0	23.54	23.71	23.40	
20	PI/2 BPSK	50	28	23.94	24.11	23.82	24.7
20	PI/2 BPSK	50	56	23.55	23.75	23.31	24.2
20	PI/2 BPSK	100	0	23.55	23.73	23.33	
20	QPSK	1	1	23.65	23.84	23.65	24.7
20	QPSK	1	53	23.91	24.08	23.70	
20	QPSK	1	104	23.70	23.77	23.32	
20	QPSK	50	0	23.18	23.22	22.91	
20	QPSK	50	28	23.94	24.11	23.68	24.7
20	QPSK	50	56	23.09	23.25	22.81	23.7
20	QPSK	100	0	23.06	23.23	22.93	
20	16QAM	1	1	22.85	23.01	22.95	23.7
20	64QAM	1	1	21.66	21.72	21.66	22.2
20	256QAM	1	1	18.83	18.71	18.69	20.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.73	23.93	23.64	24.7
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.79	23.95	23.65	24.7
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.76	23.95	23.71	24.7

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	24.52	24.51	24.48	24.9
20	PI/2 BPSK	1	53	24.65	24.62	24.60	
20	PI/2 BPSK	1	104	24.44	24.42	24.40	
20	PI/2 BPSK	50	0	24.02	23.98	23.97	
20	PI/2 BPSK	50	28	24.52	24.47	24.46	24.9
20	PI/2 BPSK	50	56	23.97	23.94	23.91	24.4
20	PI/2 BPSK	100	0	24.01	23.97	23.94	
20	QPSK	1	1	24.53	24.49	24.47	24.9
20	QPSK	1	53	24.64	24.59	24.57	
20	QPSK	1	104	24.46	24.43	24.39	
20	QPSK	50	0	23.52	23.49	23.46	
20	QPSK	50	28	24.53	24.49	24.47	24.9
20	QPSK	50	56	23.48	23.44	23.42	23.9
20	QPSK	100	0	23.51	23.47	23.48	
20	16QAM	1	1	23.53	23.50	23.49	23.9
20	64QAM	1	1	21.93	21.90	21.89	22.4
20	256QAM	1	1	19.97	19.94	19.93	20.4
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.55	24.52	24.47	24.9
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.57	24.51	24.44	24.9
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.61	24.51	24.43	24.9

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	24.48	24.47	24.45	
15	PI/2 BPSK	1	40	24.37	24.36	24.35	24.9
15	PI/2 BPSK	1	77	24.39	24.40	24.38	
15	PI/2 BPSK	36	0	23.90	23.95	23.93	24.4
15	PI/2 BPSK	36	22	24.41	24.45	24.42	24.9
15	PI/2 BPSK	36	43	23.89	23.91	23.89	
15	PI/2 BPSK	75	0	23.91	23.92	23.87	24.4
15	QPSK	1	1	24.47	24.45	24.42	
15	QPSK	1	40	24.37	24.36	24.33	24.9
15	QPSK	1	77	24.40	24.39	24.34	
15	QPSK	36	0	23.45	23.43	23.41	23.9
15	QPSK	36	22	24.45	24.44	24.41	24.9
15	QPSK	36	43	23.41	23.39	23.37	
15	QPSK	75	0	23.43	23.41	23.39	23.9
15	16QAM	1	1	23.47	23.45	23.43	23.9
15	64QAM	1	1	21.88	21.87	21.85	22.4
15	256QAM	1	1	19.91	19.89	19.88	20.4
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.46	24.43	24.39	24.9
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.45	24.43	24.38	24.9

n30_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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.26		24.4
10	PI/2 BPSK	1	26		23.38		
10	PI/2 BPSK	1	50		23.23		
10	PI/2 BPSK	25	0		23.25		
10	PI/2 BPSK	25	14		23.25		
10	PI/2 BPSK	25	27		23.25		
10	PI/2 BPSK	50	0		23.26		23.9
10	QPSK	1	1		23.26		24.4
10	QPSK	1	26		23.28		
10	QPSK	1	50		23.22		
10	QPSK	25	0		23.27		
10	QPSK	25	14		23.26		
10	QPSK	25	27		23.25		
10	QPSK	50	0		23.25		23.4
10	16QAM	1	1		23.30		23.4
10	64QAM	1	1		21.89		21.9
10	256QAM	1	1		19.88		19.9
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.22	23.21	23.22	24.4

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	23.95	23.83	23.71	24.9
20	PI/2 BPSK	1	53	24.12	24.01	23.96	
20	PI/2 BPSK	1	104	23.85	23.77	23.69	
20	PI/2 BPSK	50	0	23.88	23.78	23.70	
20	PI/2 BPSK	50	28	23.98	23.87	23.72	24.9
20	PI/2 BPSK	50	56	23.83	23.74	23.52	24.4
20	PI/2 BPSK	100	0	23.86	23.77	23.55	
20	QPSK	1	1	23.81	23.83	23.76	24.9
20	QPSK	1	53	23.78	23.94	23.65	
20	QPSK	1	104	23.71	23.62	23.55	
20	QPSK	50	0	23.38	23.29	23.20	
20	QPSK	50	28	23.84	23.89	23.67	24.9
20	QPSK	50	56	23.33	23.24	23.17	23.9
20	QPSK	100	0	23.36	23.27	23.18	
20	16QAM	1	1	23.19	23.25	23.11	23.9
20	64QAM	1	1	21.80	21.66	21.61	22.4
20	256QAM	1	1	19.75	19.64	19.69	20.4
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.02	23.84	23.76	24.9
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.05	23.89	23.76	24.9
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.06	23.78	23.74	24.9

n7_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.21	23.05	23.00	24.0
20	PI/2 BPSK	1	53	23.39	23.21	23.19	
20	PI/2 BPSK	1	104	23.16	23.01	23.01	
20	PI/2 BPSK	50	0	23.24	23.09	23.05	
20	PI/2 BPSK	50	28	23.25	23.10	23.06	24.0
20	PI/2 BPSK	50	56	23.21	23.07	23.05	23.5
20	PI/2 BPSK	100	0	23.23	23.10	23.06	
20	QPSK	1	1	23.19	23.08	23.00	24.0
20	QPSK	1	53	23.30	23.13	23.11	
20	QPSK	1	104	23.16	23.02	23.01	
20	QPSK	50	0	23.05	22.92	22.87	23.0
20	QPSK	50	28	23.26	23.11	23.08	24.0
20	QPSK	50	56	23.03	22.88	22.87	23.0
20	QPSK	100	0	23.04	22.90	22.87	
20	16QAM	1	1	22.98	22.89	22.83	23.0
20	64QAM	1	1	21.44	21.37	21.31	21.5
20	256QAM	1	1	19.49	19.45	19.34	19.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.19	23.11	23.03	24.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.24	23.13	23.03	24.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.23	23.13	23.04	24.0

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	23.98	23.75	23.70	24.7
20	PI/2 BPSK	1	53	24.26	24.02	23.71	
20	PI/2 BPSK	1	104	24.02	23.53	23.10	
20	PI/2 BPSK	50	0	23.72	23.33	23.16	
20	PI/2 BPSK	50	28	24.12	23.88	23.57	24.7
20	PI/2 BPSK	50	56	23.74	23.37	23.04	24.2
20	PI/2 BPSK	100	0	23.74	23.35	23.18	
20	QPSK	1	1	23.70	23.60	23.41	24.7
20	QPSK	1	53	24.10	23.85	23.55	
20	QPSK	1	104	23.89	23.40	23.02	
20	QPSK	50	0	23.24	22.83	22.72	23.7
20	QPSK	50	28	24.13	23.74	23.57	24.7
20	QPSK	50	56	23.24	23.56	22.69	23.7
20	QPSK	100	0	23.24	23.52	22.74	
20	16QAM	1	1	23.01	23.43	22.72	23.7
20	64QAM	1	1	21.86	21.84	21.42	22.2
20	256QAM	1	1	18.73	18.58	18.65	20.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.02	23.77	23.77	24.7
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.02	23.72	23.69	24.7
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.95	23.75	23.73	24.7

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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.45	23.48	23.56	24.7
40	PI/2 BPSK	1	108	24.17	24.21	23.87	
40	PI/2 BPSK	1	214	23.69	23.64	23.22	
40	PI/2 BPSK	108	0	23.43	23.51	23.16	
40	PI/2 BPSK	108	54	23.98	24.05	23.70	24.7
40	PI/2 BPSK	108	108	23.67	23.43	23.13	24.2
40	PI/2 BPSK	216	0	23.48	23.41	23.21	
40	QPSK	1	1	23.37	23.49	23.42	24.7
40	QPSK	1	108	24.00	24.20	23.83	
40	QPSK	1	214	23.46	23.49	23.43	
40	QPSK	108	0	22.89	23.02	22.93	
40	QPSK	108	54	23.93	24.05	23.60	24.7
40	QPSK	108	108	23.00	23.07	22.83	23.7
40	QPSK	216	0	22.99	23.04	22.84	
40	16QAM	1	1	22.52	22.65	22.58	23.7
40	64QAM	1	1	21.22	21.35	21.29	22.2
40	256QAM	1	1	18.72	18.68	18.68	20.2
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.39	23.46	23.44	24.7
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.48	23.49	23.41	24.7
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.60	23.70	23.48	24.7
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.78	23.89	23.88	24.7
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.83	23.93	23.79	24.7

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	24.52	24.51	24.48	24.7
20	PI/2 BPSK	1	53	24.65	24.62	24.60	
20	PI/2 BPSK	1	104	24.44	24.42	24.40	
20	PI/2 BPSK	50	0	24.02	23.98	23.97	
20	PI/2 BPSK	50	28	24.52	24.47	24.46	24.7
20	PI/2 BPSK	50	56	23.97	23.94	23.91	24.2
20	PI/2 BPSK	100	0	24.01	23.97	23.94	
20	QPSK	1	1	24.53	24.49	24.47	
20	QPSK	1	53	24.64	24.59	24.57	
20	QPSK	1	104	24.46	24.43	24.39	23.7
20	QPSK	50	0	23.52	23.49	23.46	
20	QPSK	50	28	24.53	24.49	24.47	
20	QPSK	50	56	23.48	23.44	23.42	
20	QPSK	100	0	23.51	23.47	23.48	23.7
20	16QAM	1	1	23.53	23.50	23.49	23.7
20	64QAM	1	1	21.93	21.90	21.89	22.2
20	256QAM	1	1	19.97	19.94	19.93	20.2
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.55	24.52	24.47	24.7
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.57	24.51	24.44	24.7
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.61	24.51	24.43	24.7

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	21.81	21.71	21.66	22.6
20	PI/2 BPSK	1	53	22.11	21.93	21.98	
20	PI/2 BPSK	1	104	21.89	21.75	21.74	
20	PI/2 BPSK	50	0	21.89	21.77	21.75	
20	PI/2 BPSK	50	28	22.01	21.83	21.81	22.6
20	PI/2 BPSK	50	56	21.96	21.80	21.72	22.6
20	PI/2 BPSK	100	0	21.97	21.78	21.72	
20	QPSK	1	1	21.87	21.70	21.67	
20	QPSK	1	53	22.00	21.83	21.82	
20	QPSK	1	104	21.92	21.74	21.72	22.6
20	QPSK	50	0	21.88	21.71	21.61	
20	QPSK	50	28	21.86	21.75	21.65	
20	QPSK	50	56	21.87	21.74	21.73	
20	QPSK	100	0	21.93	21.74	21.68	22.6
20	16QAM	1	1	21.89	21.71	21.69	22.6
20	64QAM	1	1	21.42	21.32	21.30	22.2
20	256QAM	1	1	18.06	17.86	17.81	18.6
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	21.77	21.65	21.66	22.6
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	21.71	21.71	21.65	22.6
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	21.81	21.66	21.62	22.6



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	21.83	21.80	21.75	22.6
20	PI/2 BPSK	1	53	22.20	21.96	22.05	
20	PI/2 BPSK	1	104	21.88	21.79	21.74	
20	PI/2 BPSK	50	0	21.97	21.81	21.76	
20	PI/2 BPSK	50	28	22.09	21.90	21.81	22.6
20	PI/2 BPSK	50	56	22.02	21.88	21.80	22.6
20	PI/2 BPSK	100	0	22.00	21.83	21.74	
20	QPSK	1	1	21.90	21.78	21.70	
20	QPSK	1	53	22.04	21.87	21.87	
20	QPSK	1	104	22.01	21.79	21.75	22.6
20	QPSK	50	0	21.87	21.76	21.60	
20	QPSK	50	28	21.94	21.83	21.69	
20	QPSK	50	56	21.90	21.80	21.77	
20	QPSK	100	0	21.98	21.80	21.70	22.6
20	16QAM	1	1	21.98	21.75	21.69	22.6
20	64QAM	1	1	21.50	21.38	21.37	22.2
20	256QAM	1	1	18.14	17.93	17.83	18.6
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.80	21.78	21.66	22.6
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.82	21.70	21.73	22.6
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.82	21.79	21.65	22.6

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	22.75	22.68	22.66	23.9
20	PI/2 BPSK	1	53	23.02	22.86	22.90	
20	PI/2 BPSK	1	104	22.82	22.62	22.57	
20	PI/2 BPSK	50	0	22.94	22.69	22.63	
20	PI/2 BPSK	50	28	23.02	22.71	22.67	23.9
20	PI/2 BPSK	50	56	22.92	22.80	22.71	23.9
20	PI/2 BPSK	100	0	22.88	22.66	22.56	
20	QPSK	1	1	22.85	22.74	22.56	23.9
20	QPSK	1	53	22.94	22.75	22.83	
20	QPSK	1	104	22.83	22.63	22.65	
20	QPSK	50	0	22.80	22.62	22.55	
20	QPSK	50	28	22.81	22.71	22.59	23.9
20	QPSK	50	56	22.73	22.64	22.68	23.7
20	QPSK	100	0	22.84	22.72	22.56	
20	16QAM	1	1	22.85	22.65	22.63	23.7
20	64QAM	1	1	21.39	21.22	21.19	22.2
20	256QAM	1	1	18.00	17.83	17.72	19.4
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.76	22.68	22.69	23.9
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.74	22.66	22.66	23.9
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.76	22.70	22.65	23.9

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	22.80	22.75	22.69	23.9
20	PI/2 BPSK	1	53	23.10	22.90	23.00	
20	PI/2 BPSK	1	104	22.88	22.71	22.67	
20	PI/2 BPSK	50	0	22.96	22.72	22.66	
20	PI/2 BPSK	50	28	23.04	22.80	22.77	23.9
20	PI/2 BPSK	50	56	22.94	22.85	22.73	23.9
20	PI/2 BPSK	100	0	22.91	22.74	22.65	
20	QPSK	1	1	22.88	22.75	22.66	23.9
20	QPSK	1	53	23.02	22.79	22.83	
20	QPSK	1	104	22.93	22.73	22.66	
20	QPSK	50	0	22.85	22.66	22.57	23.7
20	QPSK	50	28	22.88	22.81	22.63	23.9
20	QPSK	50	56	22.83	22.72	22.70	23.7
20	QPSK	100	0	22.93	22.76	22.60	
20	16QAM	1	1	22.94	22.75	22.64	23.7
20	64QAM	1	1	21.46	21.29	21.28	22.2
20	256QAM	1	1	18.08	17.85	17.77	19.4
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.77	22.77	22.69	23.9
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.76	22.79	22.66	23.9
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.78	22.78	22.71	23.9

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	21.81	21.71	21.66	22.7
20	PI/2 BPSK	1	53	22.11	21.93	21.98	
20	PI/2 BPSK	1	104	21.89	21.75	21.74	
20	PI/2 BPSK	50	0	21.89	21.77	21.75	
20	PI/2 BPSK	50	28	22.01	21.83	21.81	
20	PI/2 BPSK	50	56	21.96	21.80	21.72	22.7
20	PI/2 BPSK	100	0	21.97	21.78	21.72	
20	QPSK	1	1	21.87	21.70	21.67	
20	QPSK	1	53	22.00	21.83	21.82	
20	QPSK	1	104	21.92	21.74	21.72	
20	QPSK	50	0	21.88	21.71	21.61	22.7
20	QPSK	50	28	21.86	21.75	21.65	22.7
20	QPSK	50	56	21.87	21.74	21.73	22.7
20	QPSK	100	0	21.93	21.74	21.68	
20	16QAM	1	1	21.89	21.71	21.69	22.7
20	64QAM	1	1	21.42	21.32	21.30	22.2
20	256QAM	1	1	18.06	17.86	17.81	18.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	21.77	21.65	21.66	22.7
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	21.71	21.71	21.65	22.7
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	21.81	21.66	21.62	22.7



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	21.83	21.80	21.75	22.7
20	PI/2 BPSK	1	53	22.20	21.96	22.05	
20	PI/2 BPSK	1	104	21.88	21.79	21.74	
20	PI/2 BPSK	50	0	21.97	21.81	21.76	
20	PI/2 BPSK	50	28	22.09	21.90	21.81	22.7
20	PI/2 BPSK	50	56	22.02	21.88	21.80	22.7
20	PI/2 BPSK	100	0	22.00	21.83	21.74	
20	QPSK	1	1	21.90	21.78	21.70	
20	QPSK	1	53	22.04	21.87	21.87	
20	QPSK	1	104	22.01	21.79	21.75	22.7
20	QPSK	50	0	21.87	21.76	21.60	
20	QPSK	50	28	21.94	21.83	21.69	
20	QPSK	50	56	21.90	21.80	21.77	
20	QPSK	100	0	21.98	21.80	21.70	22.7
20	16QAM	1	1	21.98	21.75	21.69	22.7
20	64QAM	1	1	21.50	21.38	21.37	22.2
20	256QAM	1	1	18.14	17.93	17.83	18.7
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.80	21.78	21.66	22.7
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.82	21.70	21.73	22.7
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.82	21.79	21.65	22.7



n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.95	23.91	24.08	24.8
20	PI/2 BPSK	1	26	23.92	23.89	24.07	
20	PI/2 BPSK	1	49	23.89	23.86	24.07	
20	PI/2 BPSK	25	0	23.40	23.38	23.55	23.8
20	PI/2 BPSK	25	13	23.89	23.89	24.07	24.8
20	PI/2 BPSK	25	26	23.38	23.40	23.56	23.8
20	PI/2 BPSK	50	0	23.39	23.39	23.56	
20	QPSK	1	1	23.89	23.85	24.02	24.8
20	QPSK	1	26	23.88	23.86	24.06	
20	QPSK	1	49	23.84	23.84	24.05	
20	QPSK	25	0	22.89	22.88	23.03	23.8
20	QPSK	25	13	23.90	23.89	24.06	24.8
20	QPSK	25	26	22.86	22.90	23.04	23.8
20	QPSK	50	0	22.85	22.87	23.03	
20	16QAM	1	1	22.93	22.97	23.06	23.8
20	64QAM	1	1	21.35	21.32	21.57	22.3
20	256QAM	1	1	19.53	19.37	19.51	20.3
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	23.92	23.90	23.90	24.8
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	23.40	23.48	23.48	24.8



n41 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	25.83	25.81	25.70	26.8
100	PI/2 BPSK	1	137	25.96	25.87	25.94	
100	PI/2 BPSK	1	271	25.82	25.86	25.94	
100	PI/2 BPSK	135	0	23.97	23.69	23.83	
100	PI/2 BPSK	135	69	25.91	25.83	25.96	26.8
100	PI/2 BPSK	135	138	23.90	23.98	23.97	24.8
100	PI/2 BPSK	270	0	23.94	23.82	23.90	
100	QPSK	1	1	25.79	25.76	25.69	26.8
100	QPSK	1	137	25.93	25.88	25.97	
100	QPSK	1	271	25.83	25.92	25.96	
100	QPSK	135	0	22.93	22.82	22.83	
100	QPSK	135	69	25.90	25.86	25.96	26.8
100	QPSK	135	138	22.83	22.91	22.98	23.8
100	QPSK	270	0	22.89	22.84	22.94	
100	16QAM	1	1	24.86	24.80	24.73	25.8
100	64QAM	1	1	23.40	23.33	23.16	24.3
100	256QAM	1	1	21.42	21.38	21.32	22.3
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.96	25.72	25.25	26.8
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.82	25.73	25.66	26.8
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.95	25.71	25.65	26.8
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.81	25.92	25.91	26.8
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.97	25.90	25.95	26.8
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.93	25.92	25.96	26.8
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.80	25.90	25.94	26.8
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.97	25.89	25.91	26.8
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.83	25.92	25.95	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	23.78	23.20	24.8
100	PI/2 BPSK	1	137	23.96	23.59	24.02	
100	PI/2 BPSK	1	271	23.22	23.81	23.91	
100	PI/2 BPSK	135	0	22.66	22.66	22.68	
100	PI/2 BPSK	135	69	23.89	23.88	23.95	
100	PI/2 BPSK	135	138	22.74	22.73	22.75	
100	PI/2 BPSK	270	0	22.67	22.65	22.74	23.8
100	QPSK	1	1	23.81	23.77	23.21	
100	QPSK	1	137	23.95	23.55	23.97	
100	QPSK	1	271	23.20	23.85	23.90	
100	QPSK	135	0	22.87	22.77	22.80	
100	QPSK	135	69	23.89	23.80	23.95	
100	QPSK	135	138	22.87	22.85	22.90	23.8
100	QPSK	270	0	22.86	22.76	22.88	
100	16QAM	1	1	23.80	23.75	23.11	
100	64QAM	1	1	21.27	21.27	21.23	
100	256QAM	1	1	19.30	19.31	19.26	
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.75	23.91	23.43	24.8
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.74	23.92	23.43	24.8
Channel				506200	518598	531998	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.77	23.91	23.41	24.8
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.80	23.84	23.42	24.8
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.78	23.90	23.44	24.8
Channel				502200	518598	534998	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.73	23.88	23.41	24.8
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.81	23.94	23.42	24.8
Channel				500700	518598	536498	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.81	23.88	23.42	24.8
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.80	23.90	23.40	24.8

n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.75	26.19	25.81	27.0
100	PI/2 BPSK	1	137	26.11	25.88	25.96	
100	PI/2 BPSK	1	271	26.33	25.71	26.03	
100	PI/2 BPSK	135	0	25.43	25.04	25.03	26.5
100	PI/2 BPSK	135	69	26.01	25.78	25.84	27.0
100	PI/2 BPSK	135	138	25.41	25.44	24.91	26.5
100	PI/2 BPSK	270	0	25.36	25.20	25.30	
100	QPSK	1	1	25.72	26.18	25.78	
100	QPSK	1	137	26.08	25.87	25.93	27.0
100	QPSK	1	271	26.31	25.70	26.03	
100	QPSK	135	0	24.92	24.55	24.54	26.0
100	QPSK	135	69	26.01	25.77	25.87	27.0
100	QPSK	135	138	24.91	24.94	24.42	26.0
100	QPSK	270	0	24.87	24.68	24.79	
100	16QAM	1	1	24.46	24.91	24.52	
100	64QAM	1	1	23.08	23.52	23.13	24.5
100	256QAM	1	1	20.97	21.41	21.03	22.5
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.69	26.21	25.58	
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.03	26.19	25.59	
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.80	26.01	25.65	
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.94	26.20	25.68	
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.79	26.00	25.55	
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.80	26.01	25.65	
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.76	26.01	25.86	
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.88	26.13	25.99	
Channel				647168	656000	664832	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.91	26.13	25.94	
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.93	26.14	25.87	

n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.61	23.27	23.14	25.0
100	PI/2 BPSK	1	137	23.30	23.45	23.05	
100	PI/2 BPSK	1	271	23.09	23.00	23.60	
100	PI/2 BPSK	135	0	23.41	23.18	23.24	
100	PI/2 BPSK	135	69	23.26	23.36	23.03	25.0
100	PI/2 BPSK	135	138	23.14	23.11	23.18	24.0
100	PI/2 BPSK	270	0	23.20	23.37	22.97	
100	QPSK	1	1	23.50	23.23	23.08	25.0
100	QPSK	1	137	23.32	23.49	23.01	
100	QPSK	1	271	23.12	23.00	23.59	
100	QPSK	135	0	23.21	23.18	23.26	
100	QPSK	135	69	23.35	23.47	23.05	25.0
100	QPSK	135	138	23.14	23.10	23.19	24.0
100	QPSK	270	0	23.20	23.37	22.99	
100	16QAM	1	1	23.41	23.29	23.20	24.0
100	64QAM	1	1	21.75	21.53	21.42	22.5
100	256QAM	1	1	19.88	19.55	19.53	20.5
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.26	23.12	23.21	25.0
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.13	23.08	23.13	25.0
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.13	23.05	23.01	25.0
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.13	23.10	23.00	25.0
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.13	23.05	23.01	25.0
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.25	23.16	23.07	25.0
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.34	23.38	23.06	25.0
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.39	23.44	23.41	25.0
Channel				647000	656000	664832	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.44	23.42	23.38	25.0
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.32	23.35	23.25	25.0

n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.91		27.0
100	PI/2 BPSK	1	137		26.08		
100	PI/2 BPSK	1	271		25.76		
100	PI/2 BPSK	135	0		25.16		26.5
100	PI/2 BPSK	135	69		25.82		27.0
100	PI/2 BPSK	135	138		25.26		26.5
100	PI/2 BPSK	270	0		25.21		
100	QPSK	1	1		25.90		27.0
100	QPSK	1	137		25.91		
100	QPSK	1	271		25.75		
100	QPSK	135	0		24.67		26.0
100	QPSK	135	69		25.83		27.0
100	QPSK	135	138		24.77		26.0
100	QPSK	270	0		24.73		
100	16QAM	1	1		24.73		26.0
100	64QAM	1	1		23.38		24.5
100	256QAM	1	1		21.32		22.5
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.74	25.59	25.58	27.0
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.76	25.59	25.74	27.0
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.02	25.75	25.71	27.0
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.67	25.60	25.60	27.0
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.02	25.75	25.71	27.0
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.04	25.76	25.71	27.0
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.89	25.75	25.80	27.0
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.00	25.88	25.87	27.0
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.07	25.67	25.88	27.0
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.07	25.88	25.90	27.0

n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.38		25.0
100	PI/2 BPSK	1	137		23.37		
100	PI/2 BPSK	1	271		23.43		
100	PI/2 BPSK	135	0		23.31		24.0
100	PI/2 BPSK	135	69		23.39		25.0
100	PI/2 BPSK	135	138		23.19		24.0
100	PI/2 BPSK	270	0		23.18		
100	QPSK	1	1		23.39		
100	QPSK	1	137		23.36		25.0
100	QPSK	1	271		23.37		
100	QPSK	135	0		23.40		24.0
100	QPSK	135	69		23.32		25.0
100	QPSK	135	138		23.20		24.0
100	QPSK	270	0		23.24		
100	16QAM	1	1		23.41		24.0
100	64QAM	1	1		21.86		22.5
100	256QAM	1	1		19.83		20.5
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.23	23.18	23.14	25.0
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.10	23.09	23.24	25.0
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.37	23.22	23.32	25.0
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.16	23.22	23.01	25.0
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.17	23.25	23.10	25.0
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.29	23.23	23.25	25.0
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.36	23.10	23.03	25.0
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.37	23.22	23.32	25.0
Channel				630500	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.40	23.32	23.28	25.0
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.40	23.34	23.28	25.0



n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.86	16.95	16.92	18.0
20	PI/2 BPSK	1	26	16.93	17.00	17.04	
20	PI/2 BPSK	1	49	16.88	17.02	17.00	
20	PI/2 BPSK	25	0	16.83	17.00	16.85	18.0
20	PI/2 BPSK	25	13	16.94	16.95	16.91	18.0
20	PI/2 BPSK	25	26	16.95	16.95	16.95	18.0
20	PI/2 BPSK	50	0	16.86	16.97	16.86	
20	QPSK	1	1	16.91	16.96	16.90	18.0
20	QPSK	1	26	16.92	16.99	16.95	
20	QPSK	1	49	16.95	17.00	16.95	
20	QPSK	25	0	16.84	16.90	16.93	18.0
20	QPSK	25	13	16.84	16.94	16.97	18.0
20	QPSK	25	26	16.92	16.98	16.85	18.0
20	QPSK	50	0	16.93	16.96	17.01	
20	16QAM	1	1	16.85	16.93	16.96	18.0
20	64QAM	1	1	16.95	16.93	16.95	18.0
20	256QAM	1	1	16.87	16.94	16.82	18.0
Channel				515502	519000	522498	tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	16.96	16.95	16.99	18.0
Channel				515004	519000	522996	tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	16.91	16.99	16.97	18.0



n41 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	20.04	19.81	19.79	21.0
100	PI/2 BPSK	1	137	20.07	20.06	20.11	
100	PI/2 BPSK	1	271	19.87	20.01	19.96	
100	PI/2 BPSK	135	0	20.05	19.91	19.92	
100	PI/2 BPSK	135	69	20.03	19.90	20.10	21.0
100	PI/2 BPSK	135	138	20.02	19.95	19.98	21.0
100	PI/2 BPSK	270	0	19.89	19.87	19.99	
100	QPSK	1	1	19.95	19.87	19.74	
100	QPSK	1	137	20.10	19.96	20.01	
100	QPSK	1	271	19.86	19.97	19.99	21.0
100	QPSK	135	0	20.03	19.88	19.85	21.0
100	QPSK	135	69	19.99	19.96	20.04	21.0
100	QPSK	135	138	19.94	19.91	19.98	21.0
100	QPSK	270	0	19.90	19.82	20.00	
100	16QAM	1	1	19.73	19.54	19.49	
100	64QAM	1	1	19.95	19.77	19.60	
100	256QAM	1	1	19.78	19.60	19.42	21.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.02	19.85	19.78	21.0
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.99	19.88	19.70	21.0
Channel				506200	518598	531998	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.06	19.80	19.69	21.0
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.99	19.80	19.71	21.0
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.99	19.85	19.77	21.0
Channel				502200	518598	534998	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.05	19.80	19.77	21.0
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.99	19.84	19.73	21.0
Channel				500700	518598	536498	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.97	19.81	19.79	21.0
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.04	19.82	19.75	21.0



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	16.96	17.00	17.00	18.0
100	PI/2 BPSK	1	137	16.98	17.07	17.07	
100	PI/2 BPSK	1	271	16.98	17.05	17.05	
100	PI/2 BPSK	135	0	16.91	17.00	16.93	
100	PI/2 BPSK	135	69	17.00	17.02	16.98	18.0
100	PI/2 BPSK	135	138	16.98	17.01	16.95	18.0
100	PI/2 BPSK	270	0	16.94	17.00	16.91	
100	QPSK	1	1	16.93	17.00	16.91	18.0
100	QPSK	1	137	16.99	17.06	17.00	
100	QPSK	1	271	17.01	17.03	17.02	
100	QPSK	135	0	16.94	17.00	16.95	
100	QPSK	135	69	16.92	17.01	16.98	18.0
100	QPSK	135	138	16.94	17.00	16.91	18.0
100	QPSK	270	0	16.93	17.01	17.01	
100	16QAM	1	1	16.93	16.99	16.98	18.0
100	64QAM	1	1	16.97	17.01	16.98	18.0
100	256QAM	1	1	16.96	17.00	16.90	18.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.97	16.90	16.95	18.0
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.98	16.97	16.93	18.0
Channel				506200	518598	531998	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.90	16.94	17.00	18.0
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.97	16.90	17.00	18.0
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.97	16.91	17.00	18.0
Channel				502200	518598	534998	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.99	16.93	16.97	18.0
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.00	16.98	17.00	18.0
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.91	16.95	16.98	18.0
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.96	17.00	16.96	18.0

n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.06	16.11	16.10	16.8
20	PI/2 BPSK	1	26	16.18	16.18	16.20	
20	PI/2 BPSK	1	49	16.09	16.21	16.21	
20	PI/2 BPSK	25	0	16.10	16.16	16.07	16.8
20	PI/2 BPSK	25	13	16.13	16.13	16.13	16.8
20	PI/2 BPSK	25	26	16.15	16.11	16.07	16.8
20	PI/2 BPSK	50	0	16.08	16.14	15.98	
20	QPSK	1	1	16.10	16.11	16.05	16.8
20	QPSK	1	26	16.08	16.12	16.11	
20	QPSK	1	49	16.06	16.13	16.06	
20	QPSK	25	0	16.14	16.10	16.14	16.8
20	QPSK	25	13	16.04	16.13	16.08	16.8
20	QPSK	25	26	16.12	16.07	16.01	16.8
20	QPSK	50	0	15.99	16.15	16.08	
20	16QAM	1	1	15.99	16.12	16.06	16.8
20	64QAM	1	1	16.02	15.98	15.98	16.8
20	256QAM	1	1	16.03	16.01	16.05	16.8
Channel				515502	519000	522498	tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	16.05	16.10	16.09	16.8
Channel				515004	519000	522996	tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	16.03	16.12	16.15	16.8



n41 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	19.08	19.08	19.05	19.8
100	PI/2 BPSK	1	137	19.21	19.24	19.23	
100	PI/2 BPSK	1	271	19.13	19.26	19.19	
100	PI/2 BPSK	135	0	19.06	19.15	19.10	
100	PI/2 BPSK	135	69	19.17	19.24	19.23	19.8
100	PI/2 BPSK	135	138	19.16	19.29	19.05	19.8
100	PI/2 BPSK	270	0	19.10	19.06	19.08	
100	QPSK	1	1	19.03	19.05	19.05	
100	QPSK	1	137	19.16	19.27	19.20	
100	QPSK	1	271	19.17	19.20	19.16	19.8
100	QPSK	135	0	19.04	19.11	19.08	
100	QPSK	135	69	19.15	19.13	19.11	
100	QPSK	135	138	19.17	19.24	19.17	
100	QPSK	270	0	19.02	19.07	19.06	19.8
100	16QAM	1	1	19.06	19.17	19.08	19.8
100	64QAM	1	1	19.02	19.09	18.95	19.8
100	256QAM	1	1	19.01	19.12	19.02	19.8
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.10	19.09	19.06	19.8
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.00	19.10	19.02	19.8
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.09	19.14	19.07	19.8
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.07	19.11	19.08	19.8
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.03	19.16	18.98	19.8
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.00	19.10	19.04	19.8
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.09	19.15	19.00	19.8
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.08	19.12	19.02	19.8
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.01	19.06	19.03	19.8



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	16.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.00	16.05	16.05	16.8
100	PI/2 BPSK	1	137	16.13	16.15	16.13	
100	PI/2 BPSK	1	271	16.05	16.14	16.12	16.8
100	PI/2 BPSK	135	0	16.07	16.07	16.00	
100	PI/2 BPSK	135	69	16.03	16.12	16.10	16.8
100	PI/2 BPSK	135	138	16.05	16.10	16.00	
100	PI/2 BPSK	270	0	15.99	16.08	15.98	16.8
100	QPSK	1	1	16.02	16.03	16.03	
100	QPSK	1	137	16.01	16.10	16.10	16.8
100	QPSK	1	271	15.99	16.09	16.02	
100	QPSK	135	0	16.05	16.07	16.06	16.8
100	QPSK	135	69	16.00	16.10	16.08	
100	QPSK	135	138	16.06	16.07	15.97	16.8
100	QPSK	270	0	15.97	16.05	16.04	
100	16QAM	1	1	15.95	16.05	16.03	16.8
100	64QAM	1	1	15.93	15.98	15.95	
100	256QAM	1	1	15.94	15.99	15.96	16.8
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	16.8
90	PI/2 BPSK	1	1	16.06	16.12	16.13	16.8
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	16.8
80	PI/2 BPSK	1	1	16.11	16.14	16.13	16.8
Channel				506200	518598	531998	
Frequency (MHz)				2526	2592.99	2659.98	16.8
60	PI/2 BPSK	1	1	16.15	16.13	16.05	16.8
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	16.8
50	PI/2 BPSK	1	1	16.12	16.13	16.12	16.8
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	16.8
40	PI/2 BPSK	1	1	16.09	16.05	16.07	16.8
Channel				502200	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	16.8
30	PI/2 BPSK	1	1	16.15	16.10	16.10	16.8
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	16.8
20	PI/2 BPSK	1	1	16.06	16.13	16.06	16.8
Channel				500700	518598	536498	
Frequency (MHz)				2503.5	2592.99	2682.48	16.8
15	PI/2 BPSK	1	1	16.05	16.09	16.06	16.8
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	16.8
10	PI/2 BPSK	1	1	16.15	16.13	16.12	16.8

n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.61	23.27	23.14	24.6
100	PI/2 BPSK	1	137	23.30	23.45	23.05	
100	PI/2 BPSK	1	271	23.09	23.00	23.60	
100	PI/2 BPSK	135	0	23.41	23.18	23.24	
100	PI/2 BPSK	135	69	23.26	23.36	23.03	
100	PI/2 BPSK	135	138	23.14	23.11	23.18	23.6
100	PI/2 BPSK	270	0	23.20	23.37	22.97	
100	QPSK	1	1	23.50	23.23	23.08	24.6
100	QPSK	1	137	23.32	23.49	23.01	
100	QPSK	1	271	23.12	23.00	23.59	
100	QPSK	135	0	23.21	23.18	23.26	
100	QPSK	135	69	23.35	23.47	23.05	
100	QPSK	135	138	23.14	23.10	23.19	23.6
100	QPSK	270	0	23.20	23.37	22.99	
100	16QAM	1	1	23.41	23.29	23.20	23.6
100	64QAM	1	1	21.75	21.53	21.42	22.1
100	256QAM	1	1	19.88	19.55	19.53	20.1
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.26	23.12	23.21	24.6
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.13	23.08	23.13	24.6
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.26	23.12	23.21	24.6
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.13	23.10	23.00	24.6
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.13	23.05	23.01	24.6
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.25	23.16	23.07	24.6
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.34	23.38	23.06	24.6
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.39	23.44	23.41	24.6
Channel				647000	656000	664999	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.44	23.42	23.38	24.6
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.32	23.35	23.25	24.6

n77 PC3_Ant 6						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel					633332	
Frequency (MHz)					3499.98	
100	PI/2 BPSK	1	1		23.38	
100	PI/2 BPSK	1	137		23.37	
100	PI/2 BPSK	1	271		23.43	
100	PI/2 BPSK	135	0		23.31	
100	PI/2 BPSK	135	69		23.39	
100	PI/2 BPSK	135	138		23.19	
100	PI/2 BPSK	270	0		23.18	
100	QPSK	1	1		23.39	
100	QPSK	1	137		23.36	
100	QPSK	1	271		23.37	
100	QPSK	135	0		23.40	
100	QPSK	135	69		23.32	
100	QPSK	135	138		23.20	
100	QPSK	270	0		23.24	
100	16QAM	1	1		23.41	
100	64QAM	1	1		21.86	
100	256QAM	1	1		19.83	
Channel				633000	633332	633666
Frequency (MHz)				3495	3499.98	3504.99
90	PI/2 BPSK	1	1	23.23	23.18	23.14
Channel				632668	633332	634000
Frequency (MHz)				3490.02	3499.98	3510
80	PI/2 BPSK	1	1	23.10	23.09	23.24
Channel				632334	633332	634332
Frequency (MHz)				3485.01	3499.98	3514.98
70	PI/2 BPSK	1	1	23.40	23.34	23.28
Channel				632000	633332	634666
Frequency (MHz)				3480	3499.98	3519.99
60	PI/2 BPSK	1	1	23.16	23.22	23.01
Channel				631668	633332	635000
Frequency (MHz)				3475.02	3499.98	3525
50	PI/2 BPSK	1	1	23.17	23.25	23.10
Channel				631334	633332	635332
Frequency (MHz)				3470.01	3499.98	3529.98
40	PI/2 BPSK	1	1	23.29	23.23	23.25
Channel				631000	633332	635666
Frequency (MHz)				3465	3499.98	3534.99
30	PI/2 BPSK	1	1	23.36	23.10	23.03
Channel				630668	633332	636000
Frequency (MHz)				3460.02	3499.98	3540
20	PI/2 BPSK	1	1	23.37	23.22	23.32
Channel				630500	633332	636166
Frequency (MHz)				3457.5	3499.98	3542.49
15	PI/2 BPSK	1	1	23.40	23.32	23.28
Channel				630334	633332	636332
Frequency (MHz)				3455.01	3499.98	3544.98
10	PI/2 BPSK	1	1	23.40	23.34	23.28

n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	20.04	19.95	19.95	20.6
20	PI/2 BPSK	1	26	20.05	19.96	20.00	
20	PI/2 BPSK	1	49	19.95	19.95	19.95	
20	PI/2 BPSK	25	0	20.02	19.99	20.00	
20	PI/2 BPSK	25	13	19.99	19.97	20.01	20.6
20	PI/2 BPSK	25	26	19.92	19.97	19.95	20.6
20	PI/2 BPSK	50	0	19.98	19.97	20.00	
20	QPSK	1	1	20.03	19.92	19.92	20.6
20	QPSK	1	26	20.00	19.92	19.95	
20	QPSK	1	49	19.92	19.92	19.89	
20	QPSK	25	0	20.02	19.98	20.01	
20	QPSK	25	13	20.01	19.97	19.99	20.6
20	QPSK	25	26	19.93	19.97	19.94	20.6
20	QPSK	50	0	19.97	19.96	19.99	
20	16QAM	1	1	19.80	19.71	19.95	20.6
20	64QAM	1	1	19.90	19.81	19.88	20.6
20	256QAM	1	1	19.32	19.33	19.40	20.6
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	20.00	19.89	19.86	20.6
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	19.99	19.89	19.85	20.6



n41 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	22.98	22.90	22.70	23.6
100	PI/2 BPSK	1	137	23.08	23.05	23.06	
100	PI/2 BPSK	1	271	22.81	22.99	22.95	
100	PI/2 BPSK	135	0	22.97	22.91	22.86	
100	PI/2 BPSK	135	69	22.98	22.90	23.01	23.6
100	PI/2 BPSK	135	138	22.94	22.91	22.95	23.6
100	PI/2 BPSK	270	0	22.90	22.80	22.95	
100	QPSK	1	1	22.94	22.87	22.68	
100	QPSK	1	137	23.04	23.00	23.02	
100	QPSK	1	271	22.78	22.99	22.94	23.6
100	QPSK	135	0	22.96	22.90	22.84	
100	QPSK	135	69	22.97	22.93	23.01	
100	QPSK	135	138	22.91	22.91	22.95	
100	QPSK	270	0	22.90	22.81	22.94	23.6
100	16QAM	1	1	22.67	22.58	22.40	23.6
100	64QAM	1	1	22.88	22.80	22.59	23.6
100	256QAM	1	1	21.21	21.56	20.91	22.3
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.91	22.85	22.66	23.6
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.91	22.84	22.63	23.6
Channel				506200	518598	531998	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.90	22.89	22.66	23.6
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.93	22.80	22.67	23.6
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.93	22.83	22.67	23.6
Channel				502200	518598	534998	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.98	22.82	22.68	23.6
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.88	22.88	22.69	23.6
Channel				500700	518598	536498	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.96	22.81	22.68	23.6
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.91	22.88	22.67	23.6



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	20.00	19.82	19.70	20.6
100	PI/2 BPSK	1	137	20.11	20.01	20.09	
100	PI/2 BPSK	1	271	19.84	19.94	19.95	
100	PI/2 BPSK	135	0	20.00	19.91	19.85	
100	PI/2 BPSK	135	69	20.02	19.95	20.05	
100	PI/2 BPSK	135	138	19.95	19.94	19.95	20.6
100	PI/2 BPSK	270	0	19.93	19.84	19.95	
100	QPSK	1	1	19.97	19.81	19.68	
100	QPSK	1	137	20.06	19.99	20.05	
100	QPSK	1	271	19.81	19.92	19.94	
100	QPSK	135	0	19.99	19.92	19.86	20.6
100	QPSK	135	69	20.02	19.97	20.04	20.6
100	QPSK	135	138	19.97	19.92	19.94	20.6
100	QPSK	270	0	19.93	19.84	19.95	
100	16QAM	1	1	19.68	19.53	19.41	
100	64QAM	1	1	20.05	19.75	19.63	
100	256QAM	1	1	20.07	19.57	20.10	
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.92	19.80	19.61	20.6
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.94	19.77	19.70	20.6
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.91	19.72	19.68	20.6
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.00	19.74	19.61	20.6
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.00	19.72	19.65	20.6
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.98	19.73	19.68	20.6
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.91	19.81	19.63	20.6
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.00	19.72	19.61	20.6
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.00	19.76	19.67	20.6



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.34	23.41	23.35	24.6
100	PI/2 BPSK	1	137	23.03	23.12	23.05	
100	PI/2 BPSK	1	271	22.95	22.99	22.99	
100	PI/2 BPSK	135	0	22.77	22.81	22.81	
100	PI/2 BPSK	135	69	23.01	23.01	22.92	
100	PI/2 BPSK	135	138	23.13	23.18	23.13	24.6
100	PI/2 BPSK	270	0	22.83	22.93	22.86	
100	QPSK	1	1	23.29	23.39	23.37	24.6
100	QPSK	1	137	22.98	23.04	22.94	
100	QPSK	1	271	22.90	22.92	22.89	
100	QPSK	135	0	22.70	22.71	22.68	
100	QPSK	135	69	22.98	23.01	22.95	
100	QPSK	135	138	23.02	23.12	23.07	24.6
100	QPSK	270	0	22.91	22.91	22.81	
100	16QAM	1	1	22.91	23.00	23.00	24.6
100	64QAM	1	1	23.04	23.05	23.01	24.5
100	256QAM	1	1	21.39	21.41	21.34	22.5
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.24	23.36	23.25	24.6
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.34	23.32	23.26	24.6
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.30	23.36	23.30	24.6
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.29	23.35	23.29	24.6
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.30	23.36	23.30	24.6
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.27	23.36	23.35	24.6
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.32	23.40	23.27	24.6
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.31	23.37	23.30	24.6
Channel				647168	656000	664832	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.28	23.34	23.31	24.6
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.24	23.29	23.25	24.6



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.02	21.50	21.12	21.6
100	PI/2 BPSK	1	137	21.43	21.18	21.33	
100	PI/2 BPSK	1	271	21.55	21.02	21.44	
100	PI/2 BPSK	135	0	21.24	21.00	20.91	
100	PI/2 BPSK	135	69	21.34	21.16	21.24	
100	PI/2 BPSK	135	138	21.25	21.31	20.81	21.6
100	PI/2 BPSK	270	0	21.19	21.05	21.18	
100	QPSK	1	1	21.03	21.54	21.16	
100	QPSK	1	137	21.45	21.29	21.33	
100	QPSK	1	271	21.20	21.13	21.41	
100	QPSK	135	0	21.24	20.92	20.91	21.6
100	QPSK	135	69	21.33	21.16	21.25	21.6
100	QPSK	135	138	21.25	21.33	20.81	21.6
100	QPSK	270	0	21.19	21.07	21.18	
100	16QAM	1	1	21.04	21.38	21.20	
100	64QAM	1	1	20.99	21.50	21.11	
100	256QAM	1	1	21.13	21.53	21.20	
Channel				649668	656000	662332	tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	20.87	21.43	20.80	21.6
Channel				649334	656000	662666	tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	20.68	21.16	20.76	21.6
Channel				649000	656000	663000	tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	20.76	21.32	20.82	21.6
Channel				648668	656000	663332	tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	20.72	21.25	20.78	21.6
Channel				648334	656000	663666	tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	20.73	21.26	20.79	21.6
Channel				648000	656000	664000	tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	20.76	21.32	20.82	21.6
Channel				647668	656000	664332	tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	20.78	21.35	20.85	21.6
Channel				647334	656000	664666	tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	20.79	21.40	20.90	21.6
Channel				647000	656000	664999	tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	20.85	21.43	20.93	21.6
Channel				647000	656000	665000	tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.95	21.44	20.96	21.6



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.09		24.6
100	PI/2 BPSK	1	137		23.16		
100	PI/2 BPSK	1	271		22.97		
100	PI/2 BPSK	135	0		22.83		24.6
100	PI/2 BPSK	135	69		23.01		24.6
100	PI/2 BPSK	135	138		22.93		24.6
100	PI/2 BPSK	270	0		22.88		
100	QPSK	1	1		23.06		24.6
100	QPSK	1	137		23.10		
100	QPSK	1	271		22.90		
100	QPSK	135	0		22.79		24.6
100	QPSK	135	69		23.01		24.6
100	QPSK	135	138		22.88		24.6
100	QPSK	270	0		22.80		
100	16QAM	1	1		22.93		24.6
100	64QAM	1	1		23.04		24.5
100	256QAM	1	1		21.37		22.5
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.11	23.15	23.14	24.6
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.04	23.13	23.11	24.6
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.06	23.07	23.10	24.6
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.11	23.06	23.07	24.6
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.06	23.07	23.10	24.6
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.02	23.13	23.06	24.6
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.09	23.09	23.05	24.6
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.07	23.08	23.07	24.6
Channel				630500	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.09	23.11	23.14	24.6
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.06	23.05	23.11	24.6



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.15		21.6
100	PI/2 BPSK	1	137		21.21		
100	PI/2 BPSK	1	271		21.01		
100	PI/2 BPSK	135	0		20.95		
100	PI/2 BPSK	135	69		21.11		
100	PI/2 BPSK	135	138		21.03		21.6
100	PI/2 BPSK	270	0		20.98		
100	QPSK	1	1		21.08		21.6
100	QPSK	1	137		21.12		
100	QPSK	1	271		20.95		
100	QPSK	135	0		20.94		
100	QPSK	135	69		21.06		
100	QPSK	135	138		20.97		21.6
100	QPSK	270	0		20.88		
100	16QAM	1	1		21.00		21.6
100	64QAM	1	1		21.12		21.6
100	256QAM	1	1		21.15		21.6
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.86	21.20	20.70	21.6
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.81	21.19	20.70	21.6
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.81	21.14	20.67	21.6
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.84	21.14	20.65	21.6
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.81	21.14	20.67	21.6
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.80	21.14	20.67	21.6
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.77	21.13	20.66	21.6
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.84	21.19	20.66	21.6
Channel				630500	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.65	21.13	20.70	21.6
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.61	21.17	20.60	21.6

n38_Ant5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.05	20.97	20.97	22.0
20	PI/2 BPSK	1	26	20.96	20.94	20.99	
20	PI/2 BPSK	1	49	20.92	20.94	20.94	
20	PI/2 BPSK	25	0	21.01	20.99	21.00	22.0
20	PI/2 BPSK	25	13	21.00	20.95	21.02	22.0
20	PI/2 BPSK	25	26	20.93	20.96	20.96	22.0
20	PI/2 BPSK	50	0	20.98	20.96	21.01	
20	QPSK	1	1	21.00	20.90	20.93	
20	QPSK	1	26	20.93	20.89	20.95	22.0
20	QPSK	1	49	20.88	20.91	20.89	
20	QPSK	25	0	21.01	20.94	21.00	22.0
20	QPSK	25	13	20.98	20.96	21.01	22.0
20	QPSK	25	26	20.92	20.96	20.96	22.0
20	QPSK	50	0	20.97	20.95	21.01	
20	16QAM	1	1	20.87	20.78	21.02	22.0
20	64QAM	1	1	21.01	20.79	20.81	22.0
20	256QAM	1	1	19.87	19.20	19.22	20.5
Channel				515502	519000	522498	tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	20.99	20.96	20.89	22.0
Channel				515004	519000	522996	tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	21.04	20.90	20.97	22.0



n41 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	23.45	23.84	24.27	25.0
100	PI/2 BPSK	1	137	24.09	24.53	24.57	
100	PI/2 BPSK	1	271	24.40	24.41	24.26	
100	PI/2 BPSK	135	0	23.80	24.18	24.52	
100	PI/2 BPSK	135	69	24.04	24.52	24.55	25.0
100	PI/2 BPSK	135	138	24.31	24.58	24.46	24.8
100	PI/2 BPSK	270	0	23.99	24.34	24.48	
100	QPSK	1	1	23.44	23.76	24.22	25.0
100	QPSK	1	137	24.03	24.46	24.45	
100	QPSK	1	271	24.34	24.34	24.18	
100	QPSK	135	0	23.80	24.17	24.51	
100	QPSK	135	69	24.08	24.55	24.57	25.0
100	QPSK	135	138	24.29	24.57	24.42	25.0
100	QPSK	270	0	23.99	24.36	24.49	
100	16QAM	1	1	23.40	23.54	23.91	25.0
100	64QAM	1	1	22.74	23.12	23.57	24.3
100	256QAM	1	1	20.78	21.87	21.61	22.3
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.40	23.83	24.20	25.0
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.41	23.81	24.26	25.0
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.41	23.80	24.27	25.0
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.42	23.76	24.18	25.0
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.45	23.76	24.23	25.0
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.42	23.75	24.18	25.0
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.45	23.84	24.19	25.0
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.40	23.81	24.19	25.0
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.40	23.76	24.25	25.0



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	20.99	20.78	20.70	22.0
100	PI/2 BPSK	1	137	21.05	20.95	21.05	
100	PI/2 BPSK	1	271	20.81	20.96	20.90	
100	PI/2 BPSK	135	0	20.99	20.85	20.83	22.0
100	PI/2 BPSK	135	69	21.00	20.88	21.00	22.0
100	PI/2 BPSK	135	138	20.94	20.86	20.92	22.0
100	PI/2 BPSK	270	0	20.91	20.77	20.94	
100	QPSK	1	1	20.98	20.74	20.65	
100	QPSK	1	137	21.04	20.90	21.01	22.0
100	QPSK	1	271	20.80	20.91	20.88	
100	QPSK	135	0	21.00	20.84	20.83	
100	QPSK	135	69	21.00	20.91	21.00	22.0
100	QPSK	135	138	20.94	20.85	20.91	22.0
100	QPSK	270	0	20.91	20.77	20.93	
100	16QAM	1	1	20.79	20.52	20.92	
100	64QAM	1	1	20.92	20.63	20.60	22.0
100	256QAM	1	1	20.73	20.55	20.51	22.0
Channel				508200	518598	528996	tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	20.93	20.70	20.64	22.0
Channel				507204	518598	529998	tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	20.93	20.78	20.67	22.0
Channel				506200	518598	531998	tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	20.97	20.68	20.66	22.0
Channel				504204	518598	532998	tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	20.95	20.72	20.60	22.0
Channel				503202	518598	534000	tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	20.97	20.70	20.84	22.0
Channel				502200	518598	534998	tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	20.89	20.75	20.69	22.0
Channel				501204	518598	535998	tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	20.92	20.68	20.60	22.0
Channel				500700	518598	536496	tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	20.97	20.68	20.61	22.0
Channel				500202	518598	537000	tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	20.91	20.77	20.69	22.0



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.32	24.40	24.32	25.8
100	PI/2 BPSK	1	137	24.01	24.10	24.02	
100	PI/2 BPSK	1	271	23.87	24.01	23.92	
100	PI/2 BPSK	135	0	23.68	23.75	23.66	
100	PI/2 BPSK	135	69	23.92	24.00	23.92	25.8
100	PI/2 BPSK	135	138	24.07	24.15	24.05	25.3
100	PI/2 BPSK	270	0	23.83	23.91	23.78	
100	QPSK	1	1	24.25	24.36	24.22	25.8
100	QPSK	1	137	23.95	24.10	23.93	
100	QPSK	1	271	23.84	23.94	23.86	
100	QPSK	135	0	23.66	23.73	23.62	
100	QPSK	135	69	23.92	23.98	23.88	25.8
100	QPSK	135	138	23.95	24.06	23.93	24.8
100	QPSK	270	0	23.76	23.88	23.82	
100	16QAM	1	1	24.17	24.30	24.14	24.8
100	64QAM	1	1	23.07	23.19	23.12	23.3
100	256QAM	1	1	21.11	21.20	21.10	21.3
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.28	24.31	24.27	25.8
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.24	24.37	24.26	25.8
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.27	24.34	24.31	25.8
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.25	24.35	24.26	25.8
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.32	24.39	24.27	25.8
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.27	24.34	24.31	25.8
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	24.28	24.39	24.28	25.8
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.23	24.30	24.24	25.8
Channel				647168	656000	664632	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.31	24.34	24.27	25.8
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.28	24.36	24.26	25.8



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.02	22.51	22.21	22.8
100	PI/2 BPSK	1	137	21.77	22.21	21.91	
100	PI/2 BPSK	1	271	21.62	22.02	21.70	
100	PI/2 BPSK	135	0	21.44	21.86	21.54	
100	PI/2 BPSK	135	69	21.65	22.11	21.78	
100	PI/2 BPSK	135	138	21.87	22.31	21.93	
100	PI/2 BPSK	270	0	21.56	22.03	21.66	22.8
100	QPSK	1	1	21.99	22.48	22.14	
100	QPSK	1	137	21.69	22.11	21.72	
100	QPSK	1	271	21.50	21.98	21.59	
100	QPSK	135	0	21.28	21.78	21.39	
100	QPSK	135	69	21.60	22.03	21.67	
100	QPSK	135	138	21.82	22.29	21.94	22.8
100	QPSK	270	0	21.54	21.98	21.68	
100	16QAM	1	1	22.00	22.46	22.11	
100	64QAM	1	1	22.04	22.48	22.09	
100	256QAM	1	1	22.01	22.42	22.10	
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.92	22.45	22.18	22.8
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.98	22.46	22.18	22.8
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.92	22.45	22.19	22.8
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.92	22.49	22.17	22.8
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.98	22.48	22.14	22.8
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.02	22.48	22.15	22.8
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.94	22.45	22.13	22.8
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.98	22.47	22.17	22.8
Channel				647000	656000	664832	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.99	22.49	22.16	22.8
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.92	22.45	22.19	22.8



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.05		25.8
100	PI/2 BPSK	1	137		24.06		
100	PI/2 BPSK	1	271		23.93		
100	PI/2 BPSK	135	0		23.81		25.3
100	PI/2 BPSK	135	69		23.98		25.8
100	PI/2 BPSK	135	138		23.91		25.3
100	PI/2 BPSK	270	0		23.87		
100	QPSK	1	1		24.01		
100	QPSK	1	137		24.02		25.8
100	QPSK	1	271		23.83		
100	QPSK	135	0		23.79		24.8
100	QPSK	135	69		23.89		25.8
100	QPSK	135	138		23.90		24.8
100	QPSK	270	0		23.83		
100	16QAM	1	1		24.04		24.8
100	64QAM	1	1		22.90		23.3
100	256QAM	1	1		20.99		21.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.02	24.05	24.05	25.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.01	24.03	24.02	25.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.05	24.00	24.02	25.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.02	24.00	24.03	25.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.05	24.00	24.02	25.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.02	24.03	24.01	25.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.04	24.02	24.00	25.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.03	24.05	24.02	25.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.02	24.03	24.01	25.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.04	24.03	24.02	25.8



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.18		22.8
100	PI/2 BPSK	1	137		22.23		
100	PI/2 BPSK	1	271		22.02		
100	PI/2 BPSK	135	0		21.88		22.8
100	PI/2 BPSK	135	69		22.02		22.8
100	PI/2 BPSK	135	138		21.98		22.8
100	PI/2 BPSK	270	0		21.92		
100	QPSK	1	1		22.11		22.8
100	QPSK	1	137		22.16		
100	QPSK	1	271		22.00		
100	QPSK	135	0		21.86		22.8
100	QPSK	135	69		22.01		22.8
100	QPSK	135	138		21.91		22.8
100	QPSK	270	0		21.86		
100	16QAM	1	1		22.20		22.8
100	64QAM	1	1		22.21		22.8
100	256QAM	1	1		22.15		22.5
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.18	22.20	22.18	22.8
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.11	22.10	22.11	22.8
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.12	22.10	22.15	22.8
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.10	22.13	22.08	22.8
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.09	22.16	22.12	22.8
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.10	22.18	22.15	22.8
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.12	22.10	22.15	22.8
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.13	22.15	22.14	22.8
Channel				630500	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3467.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.18	22.10	22.16	22.8
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.09	22.10	22.12	22.8



n38_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.59	23.96	23.61	25.2
20	PI/2 BPSK	1	26	24.58	24.25	24.34	
20	PI/2 BPSK	1	49	23.72	23.82	24.60	
20	PI/2 BPSK	25	0	24.13	23.68	23.71	24.2
20	PI/2 BPSK	25	13	24.40	23.98	24.32	25.2
20	PI/2 BPSK	25	26	23.81	23.67	24.13	24.2
20	PI/2 BPSK	50	0	24.10	24.20	24.00	
20	QPSK	1	1	24.56	23.91	23.56	
20	QPSK	1	26	24.38	23.92	24.28	25.2
20	QPSK	1	49	23.70	23.78	24.55	
20	QPSK	25	0	23.63	23.41	23.42	24.2
20	QPSK	25	13	24.38	23.93	24.26	25.2
20	QPSK	25	26	23.53	23.39	23.62	24.2
20	QPSK	50	0	23.65	23.42	23.65	
20	16QAM	1	1	23.72	23.16	22.80	24.2
20	64QAM	1	1	22.02	22.03	22.27	22.7
20	256QAM	1	1	19.88	19.89	19.90	20.7
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	24.54	23.95	23.60	25.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	24.53	23.92	23.59	25.2



n41 PC2_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.83	25.81	25.70	27.4
100	PI/2 BPSK	1	137	25.96	25.89	25.94	
100	PI/2 BPSK	1	271	25.82	25.86	25.94	
100	PI/2 BPSK	135	0	23.97	23.69	23.83	
100	PI/2 BPSK	135	69	25.91	25.80	25.96	27.4
100	PI/2 BPSK	135	138	23.90	23.98	23.97	25.4
100	PI/2 BPSK	270	0	23.94	23.82	23.90	
100	QPSK	1	1	25.79	25.76	25.69	27.4
100	QPSK	1	137	25.93	25.88	25.97	
100	QPSK	1	271	25.83	25.92	25.96	
100	QPSK	135	0	22.93	22.82	22.83	
100	QPSK	135	69	25.90	25.86	25.96	27.4
100	QPSK	135	138	22.83	22.91	22.98	24.4
100	QPSK	270	0	22.89	22.84	22.94	
100	16QAM	1	1	24.86	24.80	24.73	26.4
100	64QAM	1	1	23.40	23.33	23.16	24.9
100	256QAM	1	1	21.42	21.38	21.32	22.9
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.66	26.02	26.31	27.4
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.64	26.02	26.34	27.4
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.60	26.02	26.38	27.4
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.87	26.35	26.64	27.4
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.83	26.34	26.66	27.4
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.81	26.34	26.67	27.4
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.89	26.46	26.76	27.4
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.88	26.46	26.76	27.4
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.87	26.45	26.76	27.4



n41 PC3_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.88	24.15	23.25	25.4
100	PI/2 BPSK	1	137	24.34	23.52	24.65	
100	PI/2 BPSK	1	271	23.24	24.52	24.62	
100	PI/2 BPSK	135	0	24.11	24.20	24.19	
100	PI/2 BPSK	135	69	24.30	23.72	24.63	25.4
100	PI/2 BPSK	135	138	23.93	23.45	23.43	24.4
100	PI/2 BPSK	270	0	24.20	23.24	23.21	
100	QPSK	1	1	23.91	24.08	23.23	25.4
100	QPSK	1	137	24.36	23.45	24.55	
100	QPSK	1	271	23.21	24.48	24.56	
100	QPSK	135	0	23.12	23.22	23.35	
100	QPSK	135	69	24.31	23.67	24.59	25.4
100	QPSK	135	138	23.24	23.45	23.56	24.4
100	QPSK	270	0	23.19	23.34	23.55	
100	16QAM	1	1	23.86	24.11	22.89	24.4
100	64QAM	1	1	21.23	21.25	21.24	22.9
100	256QAM	1	1	19.86	19.85	19.89	20.9
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.84	24.15	23.01	25.4
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.87	24.13	23.34	25.4
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.86	24.20	24.42	25.4
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.74	24.25	24.50	25.4
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.83	24.25	24.46	25.4
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.86	24.27	24.52	25.4
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.08	23.62	24.61	25.4
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.01	23.43	24.60	25.4
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.02	24.06	24.61	25.4



n77 PC2_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	25.82	25.91	25.70	27.0
100	PI/2 BPSK	1	137	26.08	25.55	25.91	
100	PI/2 BPSK	1	271	25.63	25.53	25.02	
100	PI/2 BPSK	135	0	25.30	25.12	25.06	
100	PI/2 BPSK	135	69	25.97	25.43	25.88	
100	PI/2 BPSK	135	138	25.31	25.01	25.06	26.5
100	PI/2 BPSK	270	0	25.22	24.99	25.01	
100	QPSK	1	1	25.81	25.91	25.66	
100	QPSK	1	137	26.07	25.55	25.83	
100	QPSK	1	271	25.60	25.43	24.89	
100	QPSK	135	0	24.79	24.62	24.57	26.0
100	QPSK	135	69	25.99	25.46	25.86	27.0
100	QPSK	135	138	24.82	24.52	24.52	26.0
100	QPSK	270	0	24.72	24.50	24.53	
100	16QAM	1	1	24.69	24.80	24.76	
100	64QAM	1	1	23.17	23.28	23.24	
100	256QAM	1	1	21.08	21.17	21.13	
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.66	25.60	25.53	27.0
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.58	25.50	25.58	27.0
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.63	25.55	25.50	27.0
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.61	25.58	25.47	27.0
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.63	25.55	25.50	27.0
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.64	25.59	25.49	27.0
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.61	25.60	25.54	27.0
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.66	25.62	25.59	27.0
Channel				647000	656000	664999	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.67	25.65	25.61	27.0
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.69	25.67	25.60	27.0



n77 PC3_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	23.02	23.58	23.48	25.0
100	PI/2 BPSK	1	137	22.65	22.95	22.57	
100	PI/2 BPSK	1	271	22.16	22.07	22.00	
100	PI/2 BPSK	135	0	22.45	22.77	22.62	
100	PI/2 BPSK	135	69	23.01	23.21	23.13	25.0
100	PI/2 BPSK	135	138	21.96	21.95	21.53	24.0
100	PI/2 BPSK	270	0	22.26	22.43	22.16	
100	QPSK	1	1	23.04	23.57	23.48	
100	QPSK	1	137	22.66	22.95	22.57	
100	QPSK	1	271	22.15	22.08	22.00	24.0
100	QPSK	135	0	21.99	22.30	22.17	
100	QPSK	135	69	23.00	23.19	23.08	
100	QPSK	135	138	21.53	21.51	21.10	
100	QPSK	270	0	21.82	21.97	21.71	24.0
100	16QAM	1	1	21.98	22.44	22.34	24.0
100	64QAM	1	1	21.88	22.02	21.78	22.5
100	256QAM	1	1	20.17	19.93	20.30	20.5
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.00	23.49	23.39	25.0
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.03	23.48	23.40	25.0
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.02	23.53	23.41	25.0
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.04	23.51	23.42	25.0
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.02	23.53	23.41	25.0
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.05	23.55	23.45	25.0
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.01	23.56	23.47	25.0
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.03	23.55	23.46	25.0
Channel				647000	656000	664999	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.05	23.57	23.45	25.0
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.01	23.57	23.47	25.0



n77 PC2_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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.00		27.0
100	PI/2 BPSK	1	137		26.06		
100	PI/2 BPSK	1	271		25.97		
100	PI/2 BPSK	135	0		25.20		
100	PI/2 BPSK	135	69		25.84		
100	PI/2 BPSK	135	138		25.31		26.5
100	PI/2 BPSK	270	0		25.18		
100	QPSK	1	1		25.72		27.0
100	QPSK	1	137		25.89		
100	QPSK	1	271		25.95		
100	QPSK	135	0		24.70		
100	QPSK	135	69		25.81		
100	QPSK	135	138		24.82		26.0
100	QPSK	270	0		24.69		
100	16QAM	1	1		24.74		26.0
100	64QAM	1	1		23.16		24.5
100	256QAM	1	1		21.18		22.5
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.61	25.66	25.67	27.0
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.62	25.66	25.66	27.0
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.66	25.69	25.71	27.0
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.61	25.67	25.69	27.0
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.65	25.69	25.72	27.0
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.64	25.69	25.72	27.0
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.65	25.69	25.71	27.0
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.63	25.68	25.73	27.0
Channel				630300	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.66	25.69	25.71	27.0
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.65	25.67	25.70	27.0

n77 PC3_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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.06		25.0
100	PI/2 BPSK	1	137		22.10		
100	PI/2 BPSK	1	271		22.00		
100	PI/2 BPSK	135	0		21.81		24.0
100	PI/2 BPSK	135	69		23.00		25.0
100	PI/2 BPSK	135	138		21.50		24.0
100	PI/2 BPSK	270	0		22.55		
100	QPSK	1	1		23.01		
100	QPSK	1	137		22.05		25.0
100	QPSK	1	271		22.00		
100	QPSK	135	0		21.32		24.0
100	QPSK	135	69		23.00		25.0
100	QPSK	135	138		21.00		24.0
100	QPSK	270	0		21.12		
100	16QAM	1	1		21.20		24.0
100	64QAM	1	1		20.97		22.5
100	256QAM	1	1		19.27		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.00	23.02	23.02	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.02	23.03	23.01	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.02	23.04	23.05	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.00	23.01	23.01	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.00	23.03	23.03	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.01	23.04	23.04	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.02	23.01	23.03	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.02	23.04	23.05	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.03	23.05	23.05	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.00	23.03	23.04	25.0

n38_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.56	16.63	16.69	18.0
20	PI/2 BPSK	1	26	16.57	16.62	16.65	
20	PI/2 BPSK	1	49	16.57	16.61	16.65	
20	PI/2 BPSK	25	0	16.54	16.60	16.64	18.0
20	PI/2 BPSK	25	13	16.57	16.63	16.66	18.0
20	PI/2 BPSK	25	26	16.57	16.62	16.65	18.0
20	PI/2 BPSK	50	0	16.56	16.61	16.64	
20	QPSK	1	1	16.50	16.55	16.60	
20	QPSK	1	26	16.56	16.60	16.65	18.0
20	QPSK	1	49	16.54	16.59	16.62	
20	QPSK	25	0	16.55	16.59	16.65	
20	QPSK	25	13	16.57	16.60	16.66	18.0
20	QPSK	25	26	16.57	16.61	16.65	18.0
20	QPSK	50	0	16.55	16.60	16.66	
20	16QAM	1	1	16.50	16.56	16.61	
20	64QAM	1	1	16.48	16.53	16.58	18.0
20	256QAM	1	1	16.50	16.55	16.60	18.0
Channel				515502	519000	522498	tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	16.54	16.61	16.67	18.0
Channel				515004	519000	522996	tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	16.51	16.57	16.63	18.0



n41 PC2_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.20	19.29	19.40	21.2
100	PI/2 BPSK	1	137	19.35	19.62	19.84	
100	PI/2 BPSK	1	271	19.50	19.72	19.83	
100	PI/2 BPSK	135	0	19.20	19.29	19.56	
100	PI/2 BPSK	135	69	19.30	19.58	19.75	
100	PI/2 BPSK	135	138	19.43	19.67	19.79	21.2
100	PI/2 BPSK	270	0	19.22	19.47	19.70	
100	QPSK	1	1	19.00	19.04	19.32	
100	QPSK	1	137	19.33	19.59	19.79	
100	QPSK	1	271	19.49	19.69	19.78	
100	QPSK	135	0	19.04	19.28	19.59	21.2
100	QPSK	135	69	19.29	19.58	19.77	21.2
100	QPSK	135	138	19.42	19.67	19.78	21.2
100	QPSK	270	0	19.18	19.47	19.70	
100	16QAM	1	1	19.00	19.02	19.14	
100	64QAM	1	1	19.03	19.04	19.17	
100	256QAM	1	1	19.05	19.82	19.22	
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.16	19.34	19.43	21.2
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.18	19.19	19.37	21.2
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.17	19.20	19.43	21.2
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.24	19.35	19.30	21.2
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.20	19.28	19.46	21.2
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.29	19.23	19.38	21.2
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.25	19.23	19.41	21.2
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.23	19.30	19.32	21.2
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.16	19.23	19.45	21.2



n41 PC3_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.20	16.67	16.46	18.2
100	PI/2 BPSK	1	137	16.40	16.72	16.90	
100	PI/2 BPSK	1	271	16.58	16.71	16.89	
100	PI/2 BPSK	135	0	16.29	16.37	16.63	
100	PI/2 BPSK	135	69	16.30	16.72	16.84	18.2
100	PI/2 BPSK	135	138	16.49	16.71	16.83	18.2
100	PI/2 BPSK	270	0	16.23	16.55	16.75	
100	QPSK	1	1	16.20	16.57	16.38	18.2
100	QPSK	1	137	16.37	16.69	16.84	
100	QPSK	1	271	16.55	16.79	16.83	
100	QPSK	135	0	16.04	16.37	16.64	
100	QPSK	135	69	16.28	16.67	16.83	18.2
100	QPSK	135	138	16.43	16.73	16.84	18.2
100	QPSK	270	0	16.21	16.52	16.73	
100	16QAM	1	1	16.00	16.30	16.61	18.2
100	64QAM	1	1	16.08	16.80	16.42	18.2
100	256QAM	1	1	16.19	16.77	16.20	18.2
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.21	16.65	16.38	18.2
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.21	16.66	16.51	18.2
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.20	16.62	16.50	18.2
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.22	16.64	16.47	18.2
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.22	16.62	16.54	18.2
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.20	16.61	16.47	18.2
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.27	16.64	16.40	18.2
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.24	16.64	16.49	18.2
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.26	16.58	16.36	18.2

n38_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.56	16.63	16.69	16.8
20	PI/2 BPSK	1	26	16.57	16.62	16.65	
20	PI/2 BPSK	1	49	16.57	16.61	16.65	
20	PI/2 BPSK	25	0	16.54	16.60	16.64	16.8
20	PI/2 BPSK	25	13	16.57	16.63	16.66	16.8
20	PI/2 BPSK	25	26	16.57	16.62	16.65	16.8
20	PI/2 BPSK	50	0	16.56	16.61	16.64	
20	QPSK	1	1	16.50	16.55	16.60	16.8
20	QPSK	1	26	16.56	16.60	16.65	
20	QPSK	1	49	16.54	16.59	16.62	
20	QPSK	25	0	16.55	16.59	16.65	16.8
20	QPSK	25	13	16.57	16.60	16.66	16.8
20	QPSK	25	26	16.57	16.61	16.65	16.8
20	QPSK	50	0	16.55	16.60	16.66	
20	16QAM	1	1	16.50	16.56	16.61	16.8
20	64QAM	1	1	16.48	16.53	16.58	16.8
20	256QAM	1	1	16.50	16.55	16.60	16.8
Channel				515502	519000	522498	tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	16.54	16.61	16.67	16.8
Channel				515004	519000	522996	tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	16.51	16.57	16.63	16.8



n41 PC2_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				508202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.20	19.29	19.40	20.0
100	PI/2 BPSK	1	137	19.35	19.62	19.84	
100	PI/2 BPSK	1	271	19.50	19.72	19.83	
100	PI/2 BPSK	135	0	19.20	19.29	19.56	
100	PI/2 BPSK	135	69	19.30	19.58	19.75	20.0
100	PI/2 BPSK	135	138	19.43	19.67	19.79	20.0
100	PI/2 BPSK	270	0	19.22	19.47	19.70	
100	QPSK	1	1	19.00	19.04	19.32	20.0
100	QPSK	1	137	19.33	19.59	19.79	
100	QPSK	1	271	19.49	19.69	19.78	
100	QPSK	135	0	19.04	19.28	19.59	
100	QPSK	135	69	19.29	19.58	19.77	20.0
100	QPSK	135	138	19.42	19.67	19.78	20.0
100	QPSK	270	0	19.18	19.47	19.70	
100	16QAM	1	1	19.00	19.02	19.14	20.0
100	64QAM	1	1	19.03	19.04	19.17	20.0
100	256QAM	1	1	19.05	19.82	19.22	20.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.16	19.34	19.43	20.0
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.18	19.19	19.37	20.0
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.17	19.20	19.43	20.0
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.24	19.35	19.30	20.0
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.20	19.28	19.46	20.0
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.29	19.23	19.38	20.0
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.25	19.23	19.41	20.0
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.23	19.30	19.32	20.0
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.16	19.23	19.45	20.0



n41 PC3_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.20	16.67	16.46	17.0
100	PI/2 BPSK	1	137	16.40	16.72	16.90	
100	PI/2 BPSK	1	271	16.58	16.71	16.89	
100	PI/2 BPSK	135	0	16.29	16.37	16.63	17.0
100	PI/2 BPSK	135	69	16.30	16.72	16.84	17.0
100	PI/2 BPSK	135	138	16.49	16.71	16.83	17.0
100	PI/2 BPSK	270	0	16.23	16.55	16.75	
100	QPSK	1	1	16.20	16.57	16.38	
100	QPSK	1	137	16.37	16.69	16.84	17.0
100	QPSK	1	271	16.55	16.79	16.83	
100	QPSK	135	0	16.04	16.37	16.64	
100	QPSK	135	69	16.28	16.67	16.83	17.0
100	QPSK	135	138	16.43	16.73	16.84	17.0
100	QPSK	270	0	16.21	16.52	16.73	
100	16QAM	1	1	16.00	16.30	16.61	
100	64QAM	1	1	16.08	16.80	16.42	17.0
100	256QAM	1	1	16.19	16.77	16.20	17.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.21	16.65	16.38	17.0
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.21	16.66	16.51	17.0
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.20	16.62	16.50	17.0
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.22	16.64	16.47	17.0
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.22	16.62	16.54	17.0
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.20	16.61	16.47	17.0
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.27	16.64	16.40	17.0
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.24	16.64	16.49	17.0
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.26	16.58	16.36	17.0

n77 PC3_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	23.02	23.58	23.48	24.2
100	PI/2 BPSK	1	137	22.65	22.95	22.57	
100	PI/2 BPSK	1	271	22.16	22.07	22.00	
100	PI/2 BPSK	135	0	22.45	22.77	22.62	
100	PI/2 BPSK	135	69	23.01	23.21	23.13	24.2
100	PI/2 BPSK	135	138	21.96	21.95	21.53	23.7
100	PI/2 BPSK	270	0	22.26	22.43	22.16	
100	QPSK	1	1	23.04	23.57	23.48	24.2
100	QPSK	1	137	22.66	22.95	22.57	
100	QPSK	1	271	22.15	22.08	22.00	
100	QPSK	135	0	21.99	22.30	22.17	
100	QPSK	135	69	23.00	23.19	23.08	24.2
100	QPSK	135	138	21.53	21.51	21.10	23.2
100	QPSK	270	0	21.82	21.97	21.71	
100	16QAM	1	1	21.98	22.44	22.34	23.2
100	64QAM	1	1	21.88	22.02	21.78	21.7
100	256QAM	1	1	20.17	19.93	20.30	19.7
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.00	23.49	23.39	24.2
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.03	23.48	23.40	24.2
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.02	23.53	23.41	24.2
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.04	23.51	23.42	24.2
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.02	23.53	23.41	24.2
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.05	23.55	23.45	24.2
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.01	23.56	23.47	24.2
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.03	23.55	23.46	24.2
Channel				647000	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.05	23.57	23.45	24.2
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.01	23.57	23.47	24.2

n77 PC3_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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.06		24.2
100	PI/2 BPSK	1	137		22.10		
100	PI/2 BPSK	1	271		22.00		
100	PI/2 BPSK	135	0		21.81		
100	PI/2 BPSK	135	69		23.00		24.2
100	PI/2 BPSK	135	138		21.50		23.7
100	PI/2 BPSK	270	0		22.55		
100	QPSK	1	1		23.01		24.2
100	QPSK	1	137		22.05		
100	QPSK	1	271		22.00		
100	QPSK	135	0		21.32		
100	QPSK	135	69		23.00		24.2
100	QPSK	135	138		21.00		23.2
100	QPSK	270	0		21.12		
100	16QAM	1	1		21.20		23.2
100	64QAM	1	1		20.97		21.7
100	256QAM	1	1		19.27		19.7
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.58	23.05	22.99	24.2
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.53	22.99	22.90	24.2
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.52	23.04	22.97	24.2
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.58	23.03	22.94	24.2
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.57	22.99	22.99	24.2
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.52	23.04	22.97	24.2
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.50	23.04	22.97	24.2
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.58	23.02	22.97	24.2
Channel				630300	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.58	23.01	22.94	24.2
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.58	23.01	22.97	24.2

n38_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.59	23.96	23.61	24.6
20	PI/2 BPSK	1	26	24.58	24.25	24.34	
20	PI/2 BPSK	1	49	23.72	23.82	24.60	
20	PI/2 BPSK	25	0	24.13	23.68	23.71	24.6
20	PI/2 BPSK	25	13	24.40	23.98	24.32	24.6
20	PI/2 BPSK	25	26	23.81	23.67	24.13	24.6
20	PI/2 BPSK	50	0	24.20	24.31	24.10	
20	QPSK	1	1	24.56	23.91	23.56	24.6
20	QPSK	1	26	24.38	23.92	24.28	
20	QPSK	1	49	23.70	23.78	24.55	
20	QPSK	25	0	23.63	23.41	23.42	23.7
20	QPSK	25	13	24.38	23.93	24.26	24.6
20	QPSK	25	26	23.53	23.39	23.62	23.7
20	QPSK	50	0	23.65	23.42	23.65	
20	16QAM	1	1	23.69	23.16	22.80	23.7
20	64QAM	1	1	22.02	22.03	22.20	22.5
20	256QAM	1	1	19.88	19.89	19.90	20.5
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	24.54	23.95	23.60	24.6
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	24.53	23.92	23.59	24.6



n41 PC2_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.83	25.81	25.70	27.4
100	PI/2 BPSK	1	137	25.96	25.89	25.94	
100	PI/2 BPSK	1	271	25.82	25.86	25.94	
100	PI/2 BPSK	135	0	23.97	23.69	23.83	
100	PI/2 BPSK	135	69	25.91	25.80	25.96	27.4
100	PI/2 BPSK	135	138	23.90	23.98	23.97	25.4
100	PI/2 BPSK	270	0	23.94	23.82	23.90	
100	QPSK	1	1	25.79	25.76	25.69	27.4
100	QPSK	1	137	25.93	25.88	25.97	
100	QPSK	1	271	25.83	25.92	25.96	
100	QPSK	135	0	22.93	22.82	22.83	
100	QPSK	135	69	25.90	25.86	25.96	27.4
100	QPSK	135	138	22.83	22.91	22.98	24.4
100	QPSK	270	0	22.89	22.84	22.94	
100	16QAM	1	1	24.86	24.80	24.73	26.4
100	64QAM	1	1	23.40	23.33	23.16	24.9
100	256QAM	1	1	21.42	21.38	21.32	22.9
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.66	26.02	26.31	27.4
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.64	26.02	26.34	27.4
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.60	26.02	26.38	27.4
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.87	26.35	26.64	27.4
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.83	26.34	26.66	27.4
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.81	26.34	26.67	27.4
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.89	26.46	26.76	27.4
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.88	26.46	26.76	27.4
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.87	26.45	26.76	27.4



n41 PC3_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.88	24.15	23.25	24.8
100	PI/2 BPSK	1	137	24.34	23.52	24.65	
100	PI/2 BPSK	1	271	23.24	24.52	24.62	
100	PI/2 BPSK	135	0	24.11	24.20	24.19	
100	PI/2 BPSK	135	69	24.30	23.72	24.63	24.8
100	PI/2 BPSK	135	138	23.93	23.45	23.43	24.2
100	PI/2 BPSK	270	0	24.20	23.24	23.21	
100	QPSK	1	1	23.91	24.08	23.23	24.8
100	QPSK	1	137	24.36	23.45	24.55	
100	QPSK	1	271	23.21	24.48	24.56	
100	QPSK	135	0	23.12	23.22	23.35	
100	QPSK	135	69	24.31	23.67	24.59	24.8
100	QPSK	135	138	23.24	23.45	23.56	24.2
100	QPSK	270	0	23.19	23.34	23.55	
100	16QAM	1	1	23.86	24.11	22.89	24.4
100	64QAM	1	1	21.23	21.25	21.24	22.9
100	256QAM	1	1	19.86	19.85	19.89	20.9
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.84	24.15	23.01	24.8
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.87	24.13	23.34	24.8
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.86	24.20	24.42	24.8
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.74	24.25	24.50	24.8
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.83	24.25	24.46	24.8
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.86	24.27	24.52	24.8
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.08	23.62	24.61	24.8
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.01	23.43	24.60	24.8
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.02	24.06	24.61	24.8



n77 PC2_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	23.90	23.93	23.71	24.9
100	PI/2 BPSK	1	137	24.11	23.61	24.01	
100	PI/2 BPSK	1	271	23.67	23.56	23.11	
100	PI/2 BPSK	135	0	23.32	23.20	23.14	
100	PI/2 BPSK	135	69	24.05	23.51	23.90	24.9
100	PI/2 BPSK	135	138	23.34	23.07	23.15	24.4
100	PI/2 BPSK	270	0	23.30	23.07	23.08	
100	QPSK	1	1	23.84	23.93	23.67	24.9
100	QPSK	1	137	24.10	23.59	23.90	
100	QPSK	1	271	23.70	23.51	22.94	
100	QPSK	135	0	22.87	22.62	22.66	
100	QPSK	135	69	24.09	23.51	23.88	24.9
100	QPSK	135	138	22.82	22.60	22.58	23.9
100	QPSK	270	0	22.73	22.60	22.58	
100	16QAM	1	1	22.74	22.85	22.84	23.9
100	64QAM	1	1	21.17	21.36	21.27	22.4
100	256QAM	1	1	19.15	19.18	19.14	20.4
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.88	23.91	23.64	24.9
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.80	23.90	23.71	24.9
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.90	23.85	23.63	24.9
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.90	23.85	23.63	24.9
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.82	23.86	23.68	24.9
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.87	23.92	23.69	24.9
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.80	23.87	23.63	24.9
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.90	23.89	23.70	24.9
Channel				647168	656000	664832	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.80	23.84	23.65	24.9
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.61	23.93	23.61	24.9

n77 PC3_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	20.99	21.17	20.97	21.9
100	PI/2 BPSK	1	137	20.69	20.82	20.65	
100	PI/2 BPSK	1	271	19.91	19.90	19.92	
100	PI/2 BPSK	135	0	20.78	20.90	20.71	
100	PI/2 BPSK	135	69	20.58	20.73	20.55	21.9
100	PI/2 BPSK	135	138	20.26	20.40	20.20	21.9
100	PI/2 BPSK	270	0	20.65	20.78	20.63	
100	QPSK	1	1	21.03	21.15	20.98	
100	QPSK	1	137	20.69	20.84	20.74	
100	QPSK	1	271	19.85	19.95	19.82	21.9
100	QPSK	135	0	20.70	20.90	20.71	
100	QPSK	135	69	20.56	20.74	20.54	
100	QPSK	135	138	20.30	20.41	20.23	
100	QPSK	270	0	20.69	20.79	20.63	21.9
100	16QAM	1	1	21.10	21.20	21.06	21.9
100	64QAM	1	1	20.96	21.11	20.95	21.4
100	256QAM	1	1	20.46	20.48	20.45	20.5
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.92	21.09	20.89	21.9
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.95	21.16	20.90	21.9
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.99	21.12	20.97	21.9
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.99	21.12	20.97	21.9
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.97	21.10	20.95	21.9
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.90	21.12	20.90	21.9
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.99	21.15	20.93	21.9
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.94	21.13	20.92	21.9
Channel				647000	656000	664832	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.98	21.13	20.94	21.9
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.99	21.10	20.92	21.9



n77 PC2_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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.75		24.9
100	PI/2 BPSK	1	137		23.42		
100	PI/2 BPSK	1	271		23.42		
100	PI/2 BPSK	135	0		23.07		24.4
100	PI/2 BPSK	135	69		23.37		24.9
100	PI/2 BPSK	135	138		22.89		24.4
100	PI/2 BPSK	270	0		22.95		
100	QPSK	1	1		23.73		
100	QPSK	1	137		23.41		24.9
100	QPSK	1	271		23.34		
100	QPSK	135	0		22.42		23.9
100	QPSK	135	69		23.40		24.9
100	QPSK	135	138		22.47		23.9
100	QPSK	270	0		22.49		
100	16QAM	1	1		22.68		23.9
100	64QAM	1	1		21.25		22.4
100	256QAM	1	1		19.01		20.4
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.71	23.72	23.70	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.68	23.67	23.65	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.68	23.64	23.64	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.66	23.62	23.64	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.69	23.70	23.67	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.68	23.64	23.64	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.68	23.64	23.60	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.71	23.69	23.66	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.62	23.67	23.70	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.66	23.72	23.60	

n77 PC3_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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.75		21.9
100	PI/2 BPSK	1	137		20.43		
100	PI/2 BPSK	1	271		19.91		
100	PI/2 BPSK	135	0		20.66		
100	PI/2 BPSK	135	69		20.46		21.9
100	PI/2 BPSK	135	138		20.19		21.9
100	PI/2 BPSK	270	0		20.43		
100	QPSK	1	1		20.70		21.9
100	QPSK	1	137		20.40		
100	QPSK	1	271		19.93		
100	QPSK	135	0		20.67		
100	QPSK	135	69		20.47		21.9
100	QPSK	135	138		20.19		21.9
100	QPSK	270	0		20.43		
100	16QAM	1	1		20.84		21.9
100	64QAM	1	1		20.62		21.4
100	256QAM	1	1		20.44		20.5
Channel				833000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	20.62	20.72	20.64	21.9
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	20.65	20.74	20.66	21.9
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	20.65	20.71	20.60	21.9
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	20.62	20.71	20.63	21.9
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	20.71	20.70	20.60	21.9
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	20.71	20.69	20.68	21.9
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	20.65	20.71	20.60	21.9
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	20.62	20.72	20.68	21.9
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	20.62	20.73	20.69	21.9
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	20.63	20.70	20.61	21.9



n77 PC2_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	25.82	25.91	25.70	26.1
100	PI/2 BPSK	1	137	26.08	25.55	25.91	
100	PI/2 BPSK	1	271	25.63	25.53	25.02	
100	PI/2 BPSK	135	0	25.30	25.12	25.06	
100	PI/2 BPSK	135	69	25.97	25.43	25.88	
100	PI/2 BPSK	135	138	25.31	25.01	25.06	25.6
100	PI/2 BPSK	270	0	25.22	24.99	25.01	
100	QPSK	1	1	25.81	25.91	25.66	
100	QPSK	1	137	26.07	25.55	25.83	
100	QPSK	1	271	25.60	25.43	24.89	
100	QPSK	135	0	24.79	24.62	24.57	25.1
100	QPSK	135	69	25.99	25.46	25.86	26.1
100	QPSK	135	138	24.82	24.52	24.52	25.1
100	QPSK	270	0	24.72	24.50	24.53	
100	16QAM	1	1	24.69	24.80	24.76	
100	64QAM	1	1	23.17	23.28	23.24	
100	256QAM	1	1	21.08	21.17	21.13	
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.66	25.60	25.53	26.1
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.58	25.50	25.58	26.1
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.61	25.58	25.47	26.1
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.61	25.58	25.47	26.1
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.63	25.55	25.50	26.1
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.64	25.59	25.49	26.1
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.61	25.60	25.54	26.1
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.66	25.62	25.59	26.1
Channel				647000	656000	664999	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.67	25.65	25.61	26.1
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.69	25.67	25.60	26.1

n77 PC3_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	22.25	22.86	23.01	23.1
100	PI/2 BPSK	1	137	21.88	22.27	22.06	
100	PI/2 BPSK	1	271	21.40	21.45	21.10	
100	PI/2 BPSK	135	0	22.12	22.68	22.65	
100	PI/2 BPSK	135	69	21.90	22.32	22.12	
100	PI/2 BPSK	135	138	21.66	21.92	21.58	23.1
100	PI/2 BPSK	270	0	21.90	22.33	22.15	
100	QPSK	1	1	22.25	22.85	23.02	23.1
100	QPSK	1	137	21.88	22.24	22.08	
100	QPSK	1	271	21.40	21.44	21.10	
100	QPSK	135	0	22.12	22.65	22.62	
100	QPSK	135	69	21.88	22.30	22.11	
100	QPSK	135	138	21.65	21.89	21.58	23.1
100	QPSK	270	0	21.91	22.30	22.15	
100	16QAM	1	1	22.07	22.69	22.72	23.1
100	64QAM	1	1	21.76	21.75	21.77	22.1
100	256QAM	1	1	20.45	20.44	20.46	20.5
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.16	22.76	22.83	23.1
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.17	22.81	22.82	23.1
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.18	22.79	22.81	23.1
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.17	22.80	22.82	23.1
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.18	22.79	22.81	23.1
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.18	22.81	22.83	23.1
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	22.19	22.82	22.84	23.1
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.21	22.83	22.85	23.1
Channel				647000	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.22	22.85	22.86	23.1
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.30	22.85	22.88	23.1

n77 PC2_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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.00		26.1
100	PI/2 BPSK	1	137		26.06		
100	PI/2 BPSK	1	271		25.97		
100	PI/2 BPSK	135	0		25.20		25.6
100	PI/2 BPSK	135	69		25.84		26.1
100	PI/2 BPSK	135	138		25.31		25.6
100	PI/2 BPSK	270	0		25.18		
100	QPSK	1	1		25.72		
100	QPSK	1	137		25.89		26.1
100	QPSK	1	271		25.95		
100	QPSK	135	0		24.70		25.1
100	QPSK	135	69		25.81		26.1
100	QPSK	135	138		24.82		25.1
100	QPSK	270	0		24.69		
100	16QAM	1	1		24.74		25.1
100	64QAM	1	1		23.16		23.6
100	256QAM	1	1		21.18		21.6
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.61	25.66	25.67	26.1
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.62	25.66	25.66	26.1
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.65	25.69	25.71	26.1
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.61	25.67	25.69	26.1
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.65	25.69	25.72	26.1
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.64	25.69	25.72	26.1
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.65	25.69	25.71	26.1
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.63	25.68	25.73	26.1
Channel				630300	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.66	25.69	25.71	26.1
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.65	25.67	25.70	26.1



n77 PC3_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					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.03		23.1
100	PI/2 BPSK	1	137		21.76		
100	PI/2 BPSK	1	271		21.21		
100	PI/2 BPSK	135	0		21.96		
100	PI/2 BPSK	135	69		21.77		
100	PI/2 BPSK	135	138		21.52		23.1
100	PI/2 BPSK	270	0		21.75		
100	QPSK	1	1		22.03		23.1
100	QPSK	1	137		21.75		
100	QPSK	1	271		21.21		
100	QPSK	135	0		21.94		
100	QPSK	135	69		21.77		
100	QPSK	135	138		21.52		23.1
100	QPSK	270	0		21.75		
100	16QAM	1	1		22.16		23.1
100	64QAM	1	1		21.58		22.1
100	256QAM	1	1		19.90		20.1
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.00	22.02	22.02	23.1
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.90	21.94	21.97	23.1
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.92	22.00	22.01	23.1
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.95	21.92	22.00	23.1
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.95	21.96	21.92	23.1
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.90	22.00	22.02	23.1
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.96	21.99	21.99	23.1
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.92	22.00	22.01	23.1
Channel				630500	633332	636166	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.00	21.93	22.01	23.1
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.97	22.01	21.94	23.1



2.4GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	22.75	23.00	22.25	23.00	25.52	26.0	98.90
		6	2437	21.75	22.00	21.55	22.00	24.66	25.0	
		11	2462	22.35	22.50	21.65	22.50	25.02	25.5	
		12	2467	22.05	22.50	21.55	22.50	24.82	25.5	
		13	2472	20.95	21.00	20.75	21.00	23.86	24.0	
	802.11g 6Mbps	1	2412	19.85	20.00	19.15	20.00	22.52	23.0	93.40
		6	2437	20.65	21.00	20.35	21.00	23.51	24.0	
		11	2462	18.65	19.00	18.45	19.00	21.56	22.0	
		12	2467	16.85	17.50	16.85	17.50	19.86	20.5	
		13	2472	16.35	16.50	15.85	16.50	19.12	19.5	
	802.11n-HT20 MCS0	1	2412	19.85	20.00	19.05	20.00	22.48	23.0	93.00
		6	2437	20.75	21.00	20.25	21.00	23.52	24.0	
		11	2462	18.05	18.50	17.85	18.50	20.96	21.5	
		12	2467	17.45	17.50	17.05	17.50	20.26	20.5	
		13	2472	16.45	17.00	16.15	17.00	19.31	20.0	
	802.11ac-VHT20 MCS0	1	2412	19.75	20.00	18.95	20.00	22.38	23.0	87.30
		6	2437	20.65	21.00	20.15	21.00	23.42	24.0	
		11	2462	17.95	18.50	17.75	18.50	20.86	21.5	
		12	2467	17.35	17.50	16.95	17.50	20.16	20.5	
		13	2472	16.35	17.00	16.05	17.00	19.21	20.0	
	802.11ax-HE20 MCS0	1	2412	19.65	20.00	18.85	20.00	22.28	23.0	95.40
		6	2437	20.55	21.00	20.05	21.00	23.32	24.0	
		11	2462	17.85	18.50	17.65	18.50	20.76	21.5	
		12	2467	17.25	17.50	16.85	17.50	20.06	20.5	
		13	2472	16.25	17.00	15.95	17.00	19.11	20.0	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	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	17.90	18.00	17.85	18.00	20.89	21.0	93.10	
		40	5200	17.80	18.00	17.75	18.00	20.79	21.0		
		44	5220	18.00	18.00	17.75	18.00	20.89	21.0		
		48	5240	18.00	18.00	17.75	18.00	20.89	21.0		
	802.11n-HT20 MCS0	36	5180	17.10	17.50	16.95	17.50	20.04	20.5	92.80	
		40	5200	17.70	18.00	17.65	18.00	20.69	21.0		
		44	5220	17.70	18.00	17.65	18.00	20.69	21.0		
		48	5240	17.90	18.50	17.85	18.50	20.89	21.5		
	802.11n-HT40 MCS0	38	5190	16.40	17.00	16.05	17.00	19.24	20.0	96.10	
		46	5230	19.80	20.00	19.75	20.00	22.79	23.0		
		36	5180	17.20	17.50	17.05	17.50	20.14	20.5		96.20
		40	5200	17.80	18.00	17.75	18.00	20.79	21.0		
	802.11ac-VHT20 MCS0	44	5220	17.80	18.00	17.75	18.00	20.79	21.0		
		48	5240	18.00	18.50	17.95	18.50	20.99	21.5		
		802.11ac-VHT40 MCS0	38	5190	16.50	17.00	16.15	17.00	19.34	20.0	93.70
			46	5230	19.90	20.00	19.85	20.00	22.89	23.0	
	802.11ac-VHT80 MCS0	42	5210	15.50	16.00	14.75	16.00	18.15	19.0	88.00	
		36	5180	17.30	17.50	17.15	17.50	20.24	20.5		
	802.11ax-HE20 MCS0	40	5200	17.90	18.00	17.85	18.00	20.89	21.0	95.80	
		44	5220	17.90	18.00	17.85	18.00	20.89	21.0		
		48	5240	18.10	18.50	18.05	18.50	21.09	21.5		
		38	5190	16.60	17.00	16.25	17.00	19.44	20.0		92.40
	802.11ax-HE40 MCS0	46	5230	20.00	20.00	19.95	20.00	22.99	23.0		
		802.11ax-HE80 MCS0	42	5210	15.60	16.00	14.85	16.00	18.25	19.0	86.20

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
Mode	Channel	Frequency (MHz)	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	18.40	18.50	18.15	18.50	21.29	21.5	93.10
		56	5280	18.30	18.50	18.05	18.50	21.19	21.5	
		60	5300	18.30	18.50	18.05	18.50	21.19	21.5	
		64	5320	18.30	18.50	18.15	18.50	21.24	21.5	
	802.11n-HT20 MCS0	52	5260	18.30	18.50	18.25	18.50	21.29	21.5	92.80
		56	5280	18.20	18.50	18.15	18.50	21.19	21.5	
		60	5300	18.20	18.50	18.15	18.50	21.19	21.5	
		64	5320	17.20	17.50	17.25	17.50	20.24	20.5	
	802.11n-HT40 MCS0	54	5270	19.80	20.00	19.65	20.00	22.74	23.0	96.10
		62	5310	15.60	16.00	15.75	16.00	18.69	19.0	
	802.11ac-VHT20 MCS0	52	5260	18.40	18.50	18.35	18.50	21.39	21.5	96.20
		56	5280	18.30	18.50	18.25	18.50	21.29	21.5	
		60	5300	18.30	18.50	18.25	18.50	21.29	21.5	
		64	5320	17.30	17.50	17.35	17.50	20.34	20.5	
	802.11ac-VHT40 MCS0	54	5270	19.90	20.00	19.75	20.00	22.84	23.0	93.70
		62	5310	15.70	16.00	15.85	16.00	18.79	19.0	
	802.11ac-VHT80 MCS0	58	5290	15.90	16.00	15.75	16.00	18.84	19.0	88.00
	802.11ac-VHT160 MCS0	50	5250	15.00	15.50	14.65	15.50	17.84	18.5	86.90
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	18.45	18.50	21.49	21.5	95.80
		56	5280	18.40	18.50	18.35	18.50	21.39	21.5	
		60	5300	18.40	18.50	18.35	18.50	21.39	21.5	
		64	5320	17.40	17.50	17.45	17.50	20.44	20.5	
	802.11ax-HE40 MCS0	54	5270	20.00	20.00	19.85	20.00	22.94	23.0	86.20
		62	5310	15.80	16.00	15.95	16.00	18.89	19.0	
802.11ax-HE80 MCS0	58	5290	16.00	16.00	15.85	16.00	18.94	19.0	86.20	
802.11ax-HE160 MCS0	50	5250	15.10	16.00	14.75	16.00	17.94	19.0	85.00	



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle	
802.11a 6Mbps	100	5500	15.70	16.00	15.85	16.00	18.79	19.0	93.10	
	116	5580	18.20	19.00	18.55	19.00	21.39	22.0		
	124	5620	18.50	19.00	18.55	19.00	21.54	22.0		
	132	5660	18.20	19.00	18.55	19.00	21.39	22.0		
	144	5720	18.50	19.00	18.55	19.00	21.54	22.0		
	802.11n-HT20 MCS0	100	5500	15.60	16.00	15.55	16.00	18.59	19.0	92.80
		116	5580	18.30	19.00	18.55	19.00	21.44	22.0	
		124	5620	18.30	19.00	18.55	19.00	21.44	22.0	
		132	5660	18.60	19.00	18.55	19.00	21.59	22.0	
		144	5720	18.60	19.00	18.55	19.00	21.59	22.0	
802.11n-HT40 MCS0	102	5510	16.50	17.00	16.45	17.00	19.49	20.0	96.10	
	110	5550	19.40	20.00	19.75	20.00	22.59	23.0		
	126	5630	19.70	20.00	19.75	20.00	22.74	23.0		
	134	5670	19.70	20.00	19.75	20.00	22.74	23.0		
	142	5710	19.70	20.00	19.75	20.00	22.74	23.0		
802.11ac-VHT20 MCS0	100	5500	15.70	16.00	15.65	16.00	18.69	19.0	96.20	
	116	5580	18.40	19.00	18.65	19.00	21.54	22.0		
	124	5620	18.40	19.00	18.65	19.00	21.54	22.0		
	132	5660	18.70	19.00	18.65	19.00	21.69	22.0		
	144	5720	18.70	19.00	18.65	19.00	21.69	22.0		
	802.11ac-VHT40 MCS0	102	5510	16.60	17.00	16.55	17.00	19.59	20.0	93.70
		110	5550	19.50	20.00	19.85	20.00	22.69	23.0	
		126	5630	19.80	20.00	19.85	20.00	22.84	23.0	
		134	5670	19.80	20.00	19.85	20.00	22.84	23.0	
		142	5710	19.80	20.00	19.85	20.00	22.84	23.0	
802.11ac-VHT80 MCS0	106	5530	16.00	16.50	15.95	16.50	18.99	19.5	88.00	
	122	5610	19.60	20.00	19.75	20.00	22.69	23.0		
802.11ac-VHT160 MCS0	138	5690	19.90	20.00	19.75	20.00	22.84	23.0	86.90	
	114	5570	16.20	16.50	16.25	16.50	19.24	19.5		
802.11ax-HE20 MCS0	100	5500	15.80	16.00	15.75	16.00	18.79	19.0	95.80	
	116	5580	18.50	19.00	18.75	19.00	21.64	22.0		
	124	5620	18.50	19.00	18.75	19.00	21.64	22.0		
	132	5660	18.80	19.00	18.75	19.00	21.79	22.0		
	144	5720	18.80	19.00	18.75	19.00	21.79	22.0		
802.11ax-HE40 MCS0	102	5510	16.70	17.00	16.65	17.00	19.69	20.0	92.40	
	110	5550	19.60	20.00	19.95	20.00	22.79	23.0		
	126	5630	19.90	20.00	19.95	20.00	22.94	23.0		
	134	5670	19.90	20.00	19.95	20.00	22.94	23.0		
	142	5710	19.90	20.00	19.95	20.00	22.94	23.0		
802.11ax-HE80 MCS0	106	5530	16.10	16.50	16.05	16.50	19.09	19.5	86.20	
	122	5610	19.70	20.00	19.85	20.00	22.79	23.0		
802.11ax-HE160 MCS0	138	5690	20.00	20.00	19.85	20.00	22.94	23.0	85.00	
	114	5570	16.30	16.50	16.35	16.50	19.34	19.5		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
Mode	Channel	Frequency (MHz)	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	20.70	21.00	20.45	21.00	23.59	24.0	93.10
		157	5785	20.90	21.00	20.65	21.00	23.79	24.0	
		165	5825	20.80	21.00	20.45	21.00	23.64	24.0	
	802.11n-HT20 MCS0	149	5745	20.70	21.00	20.55	21.00	23.64	24.0	92.80
		157	5785	20.80	21.00	20.65	21.00	23.74	24.0	
		165	5825	20.70	21.00	20.35	21.00	23.54	24.0	
	802.11n-HT40 MCS0	151	5755	20.00	20.00	19.35	20.00	22.70	23.0	96.10
		159	5795	19.70	20.00	19.45	20.00	22.59	23.0	
		149	5745	20.80	21.00	20.65	21.00	23.74	24.0	
	802.11ac-VHT20 MCS0	157	5785	20.90	21.00	20.75	21.00	23.84	24.0	96.20
		165	5825	20.80	21.00	20.45	21.00	23.64	24.0	
		151	5755	20.10	20.50	19.45	20.50	22.80	23.5	
	802.11ac-VHT40 MCS0	159	5795	19.80	20.00	19.55	20.00	22.69	23.0	93.70
		155	5775	19.70	20.00	19.55	20.00	22.64	23.0	
	802.11ac-VHT80 MCS0	149	5745	20.90	21.00	20.75	21.00	23.84	24.0	88.00
		157	5785	21.00	21.00	20.85	21.00	23.94	24.0	
		165	5825	20.90	21.00	20.55	21.00	23.74	24.0	
	802.11ax-HE20 MCS0	151	5755	20.20	20.50	19.55	20.50	22.90	23.5	95.80
		159	5795	19.90	20.00	19.65	20.00	22.79	23.0	
	802.11ax-HE40 MCS0	151	5755	19.90	20.00	19.65	20.00	22.79	23.0	92.40
		155	5775	19.80	20.00	19.65	20.00	22.74	23.0	
	802.11ax-HE80 MCS0	155	5775	19.80	20.00	19.65	20.00	22.74	23.0	86.20
		155	5775	19.80	20.00	19.65	20.00	22.74	23.0	

2.4GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	16.15	16.50	16.05	16.50	19.11	19.5	98.90
		6	2437	16.50	16.50	16.35	16.50	19.46	19.5	
		11	2462	16.50	16.50	16.25	16.50	19.41	19.5	
		12	2467	16.35	16.50	16.05	16.50	19.21	19.5	
		13	2472	16.35	16.50	16.05	16.50	19.21	19.5	
	802.11g 6Mbps	1	2412		16.50		16.50		19.5	93.40
		6	2437		16.50		16.50		19.5	
		11	2462		16.50		16.50		19.5	
		12	2467		16.50		16.50		19.5	
		13	2472		16.50		16.50		19.5	
	802.11n-HT20 MCS0	1	2412		16.50		16.50		19.5	93.00
		6	2437		16.50		16.50		19.5	
		11	2462		16.50		16.50		19.5	
		12	2467		16.50		16.50		19.5	
		13	2472		16.50		16.50		19.5	
	802.11ac-VHT20 MCS0			Not Required	16.50	Not Required	16.50	Not Required	19.5	87.30
		1	2412		16.50		16.50		19.5	
		6	2437		16.50		16.50		19.5	
		11	2462		16.50		16.50		19.5	
		12	2467		16.50		16.50		19.5	
	802.11ax-HE20 MCS0				16.50		16.50		19.5	95.40
		1	2412		16.50		16.50		19.5	
		6	2437		16.50		16.50		19.5	
		11	2462		16.50		16.50		19.5	
		12	2467		16.50		16.50		19.5	
			16.50		16.50		19.5			

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	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		15.50		15.50		18.5	93.10	
		40	5200		15.50		15.50		18.5		
		44	5220		15.50		15.50		18.5		
		48	5240		15.50		15.50		18.5		
	802.11n-HT20 MCS0	36	5180		15.50		15.50		18.5	92.80	
		40	5200		15.50		15.50		18.5		
		44	5220		15.50		15.50		18.5		
		48	5240		15.50		15.50		18.5		
	802.11n-HT40 MCS0	38	5190	Not Required	15.50	Not Required	15.50	Not Required	18.5	96.10	
		46	5230		15.50		15.50		18.5		
		36	5180		15.50		15.50		18.5		
		40	5200		15.50		15.50		18.5		
	802.11ac-VHT20 MCS0	44	5220		15.50		15.50		18.5	96.20	
		48	5240		15.50		15.50		18.5		
		38	5190		15.50		15.50		18.5		
		46	5230		15.50		15.50		18.5		
	802.11ac-VHT40 MCS0	38	5190		15.50		15.50		18.5	93.70	
		46	5230		15.50		15.50		18.5		
		42	5210	15.00	15.50	14.55	15.50	17.79	18.5		88.00
		36	5180		15.50		15.50		18.5		
	802.11ax-HE20 MCS0	40	5200		15.50		15.50		18.5	95.80	
		44	5220		15.50		15.50		18.5		
		48	5240	Not Required	15.50	Not Required	15.50	Not Required	18.5		
		38	5190		15.50		15.50		18.5		
802.11ax-HE40 MCS0	46	5230		15.50		15.50		18.5	92.40		
	42	5210		15.50		15.50		18.5			
	46	5230		15.50		15.50		18.5		86.60	
	42	5210		15.50		15.50		18.5			

5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3					
Mode	Channel	Frequency (MHz)	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	15.00	Not Required	15.00	18.0	93.10			
		56	5280		15.00		15.00	18.0				
		60	5300		15.00		15.00	18.0				
		64	5320		15.00		15.00	18.0				
	802.11n-HT20 MCS0	52	5260	15.00	15.00	15.00	18.0	92.80				
		56	5280	15.00	15.00	15.00	18.0					
		60	5300	15.00	15.00	15.00	18.0					
		64	5320	15.00	15.00	15.00	18.0					
	802.11n-HT40 MCS0	54	5270	Not Required	15.00	Not Required	15.00	18.0	96.10			
		62	5310		15.00		15.00	18.0				
		52	5260		15.00		15.00	18.0				
		56	5280		15.00		15.00	18.0				
	802.11ac-VHT20 MCS0	60	5300	Not Required	15.00	Not Required	15.00	18.0	96.20			
		64	5320		15.00		15.00	18.0				
		54	5270		15.00		15.00	18.0				
		62	5310		15.00		15.00	18.0				
	802.11ac-VHT40 MCS0	58	5290	14.50	15.00	14.45	15.00	17.49	18.0	88.00		
		50	5250	15.00	15.50	14.65	15.50	17.84	18.5		86.90	
		52	5260	15.00	15.00	15.00	18.0					
		56	5280	15.00	15.00	15.00	18.0					
	802.11ax-HE20 MCS0	60	5300	Not Required	15.00	Not Required	15.00	18.0	95.80			
		64	5320		15.00		15.00	18.0				
		54	5270		15.00		15.00	18.0				
		62	5310		15.00		15.00	18.0				
	802.11ax-HE40 MCS0	58	5290	Not Required	15.00	Not Required	15.00	18.0	85.00			
		50	5250		15.00		15.50	14.75		15.50	17.89	18.5
		52	5260		15.00		15.00	15.00		18.0		
		56	5280		15.00		15.00	15.00		18.0		

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	15.50	Not Required	15.50	Not Required	18.5	93.10	
		116	5580		15.50		15.50		18.5		
		124	5620		15.50		15.50		18.5		
		132	5660		15.50		15.50		18.5		
		144	5720		15.50		15.50		18.5		
	802.11n-HT20 MCS0	100	5500	15.50	15.50	15.50	18.5	92.80			
		116	5580	15.50	15.50	15.50	18.5				
		124	5620	15.50	15.50	15.50	18.5				
		132	5660	15.50	15.50	15.50	18.5				
		144	5720	15.50	15.50	15.50	18.5				
	802.11n-HT40 MCS0	102	5510	15.50	15.50	15.50	18.5	96.10			
		110	5550	15.50	15.50	15.50	18.5				
		126	5630	Not Required	15.50	Not Required	15.50		18.5		
		134	5670	15.50	15.50	15.50	18.5				
		142	5710	15.50	15.50	15.50	18.5				
	802.11ac-VHT20 MCS0	100	5500	15.50	15.50	15.50	18.5	96.20			
		116	5580	15.50	15.50	15.50	18.5				
		124	5620	15.50	15.50	15.50	18.5				
		132	5660	15.50	15.50	15.50	18.5				
		144	5720	15.50	15.50	15.50	18.5				
	802.11ac-VHT40 MCS0	102	5510	15.50	15.50	15.50	18.5	93.70			
		110	5550	15.50	15.50	15.50	18.5				
		126	5630	15.50	15.50	15.50	18.5				
		134	5670	15.50	15.50	15.50	18.5				
		142	5710	15.50	15.50	15.50	18.5				
	802.11ac-VHT80 MCS0	106	5530	15.00	15.50	14.95	15.50	17.99	18.5	88.00	
		122	5610	15.00	15.50	14.65	15.50	17.84	18.5		
		138	5690	15.00	15.50	14.65	15.50	17.84	18.5		
	802.11ac-VHT160 MCS0	114	5570	15.00	15.50	14.95	15.50	17.99	18.5	86.90	
	802.11ax-HE20 MCS0	100	5500	15.50	15.50	15.50	15.50	18.5	18.5	95.80	
		116	5580	15.50	15.50	15.50	15.50	18.5	18.5		
		124	5620	15.50	15.50	15.50	15.50	18.5	18.5		
		132	5660	15.50	15.50	15.50	15.50	18.5	18.5		
		144	5720	15.50	15.50	15.50	15.50	18.5	18.5		
	802.11ax-HE40 MCS0	102	5510	15.50	15.50	15.50	15.50	18.5	18.5	92.40	
		110	5550	Not Required	15.50	Not Required	15.50	Not Required	18.5		18.5
		126	5630	15.50	15.50	15.50	15.50	18.5	18.5		
		134	5670	15.50	15.50	15.50	15.50	18.5	18.5		
		142	5710	15.50	15.50	15.50	15.50	18.5	18.5		
	802.11ax-HE80 MCS0	106	5530	15.50	15.50	15.50	15.50	18.5	18.5	86.20	
		122	5610	15.50	15.50	15.50	15.50	18.5	18.5		
		138	5690	15.50	15.50	15.50	15.50	18.5	18.5		
	802.11ax-HE160 MCS0	114	5570	15.50	15.50	15.50	15.50	18.5	18.5	85.00	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	16.50	Not Required	16.50	Not Required	19.5	93.10
		157	5785		16.50		16.50		19.5	
		165	5825		16.50		16.50		19.5	
	802.11n-HT20 MCS0	149	5745	16.50	16.50	16.50	19.5	19.5	92.80	
		157	5785	16.50	16.50	16.50	19.5	19.5		
		165	5825	16.50	16.50	16.50	19.5	19.5		
	802.11n-HT40 MCS0	151	5755	15.45	16.50	15.05	16.50	18.26	19.5	96.10
		159	5795	15.45	16.50	15.05	16.50	18.26	19.5	
		167	5835	16.50	16.50	16.50	19.5	19.5		
	802.11ac-VHT20 MCS0	149	5745	16.50	16.50	16.50	16.50	19.5	19.5	96.20
		157	5785	16.50	16.50	16.50	16.50	19.5	19.5	
		165	5825	Not Required	16.50	Not Required	16.50	Not Required	19.5	
	802.11ac-VHT40 MCS0	151	5755	16.50	16.50	16.50	16.50	19.5	19.5	93.70
		159	5795	16.50	16.50	16.50	16.50	19.5	19.5	
		167	5835	16.50	16.50	16.50	16.50	19.5	19.5	
	802.11ac-VHT80 MCS0	155	5775	15.35	16.50	15.05	16.50	18.21	19.5	88.00
		163	5815	16.50	16.50	16.50	16.50	19.5	19.5	
		171	5855	16.50	16.50	16.50	16.50	19.5	19.5	
	802.11ax-HE20 MCS0	149	5745	16.50	16.50	16.50	16.50	19.5	19.5	95.80
		157	5785	16.50	16.50	16.50	16.50	19.5	19.5	
		165	5825	Not Required	16.50	Not Required	16.50	Not Required	19.5	
	802.11ax-HE40 MCS0	151	5755	16.50	16.50	16.50	16.50	19.5	19.5	92.40
		159	5795	16.50	16.50	16.50	16.50	19.5	19.5	
		167	5835	16.50	16.50	16.50	16.50	19.5	19.5	
	802.11ax-HE80 MCS0	155	5775	16.50	16.50	16.50	16.50	19.5	19.5	86.20

2.4GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	12.65	13.00	12.35	13.00	15.51	16.0	98.90
		6	2437	12.95	13.00	12.75	13.00	15.86	16.0	
		11	2462	12.90	13.00	12.70	13.00	15.81	16.0	
		12	2467	12.85	13.00	12.45	13.00	15.66	16.0	
		13	2472	12.85	13.00	12.85	13.00	15.76	16.0	
	802.11g 6Mbps	1	2412	Not Required	13.00	Not Required	13.00	Not Required	16.0	93.40
		6	2437		13.00		16.0			
		11	2462		13.00		16.0			
		12	2467		13.00		16.0			
		13	2472		13.00		16.0			
	802.11n-HT20 MCS0	1	2412	Not Required	13.00	Not Required	13.00	Not Required	16.0	93.00
		6	2437		13.00		16.0			
		11	2462		13.00		16.0			
		12	2467		13.00		16.0			
		13	2472		13.00		16.0			
	802.11ac-VHT20 MCS0	1	2412	Not Required	13.00	Not Required	13.00	Not Required	16.0	87.30
		6	2437		13.00		16.0			
		11	2462		13.00		16.0			
		12	2467		13.00		16.0			
		13	2472		13.00		16.0			
	802.11ax-HE20 MCS0	1	2412	Not Required	13.00	Not Required	13.00	Not Required	16.0	95.40
		6	2437		13.00		16.0			
		11	2462		13.00		16.0			
		12	2467		13.00		16.0			
		13	2472		13.00		16.0			

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	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	15.00	Not Required	15.00	Not Required	18.0	93.10
		40	5200		15.00		15.00		18.0	
		44	5220		15.00		15.00		18.0	
		48	5240		15.00		15.00		18.0	
	802.11n-HT20 MCS0	36	5180		15.00		15.00		18.0	92.80
		40	5200		15.00		15.00		18.0	
		44	5220		15.00		15.00		18.0	
		48	5240		15.00		15.00		18.0	
	802.11n-HT40 MCS0	38	5190		15.00		15.00		18.0	96.10
		46	5230		15.00		15.00		18.0	
		36	5180		15.00		15.00		18.0	
		40	5200		15.00		15.00		18.0	
	802.11ac-VHT20 MCS0	44	5220	15.00	15.00	18.0	96.20			
		48	5240	15.00	15.00	18.0				
		38	5190	15.00	15.00	18.0				
		46	5230	15.00	15.00	18.0				
	802.11ac-VHT40 MCS0	46	5230	15.00	15.00	18.0	93.70			
		42	5210	15.00	14.55	15.00		17.79	18.0	88.00
	802.11ax-HE20 MCS0	36	5180	Not Required	15.00	Not Required	15.00	Not Required	18.0	95.80
		40	5200		15.00		15.00		18.0	
		44	5220		15.00		15.00		18.0	
		48	5240		15.00		15.00		18.0	
	802.11ax-HE40 MCS0	38	5190		15.00		15.00		18.0	92.40
		46	5230		15.00		15.00		18.0	
	802.11ax-HE80 MCS0	42	5210		15.00		15.00		18.0	86.20

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	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		14.50		14.50		17.5	93.10
		56	5280		14.50		14.50		17.5	
		60	5300		14.50		14.50		17.5	
		64	5320		14.50		14.50		17.5	
	802.11n-HT20 MCS0	52	5260		14.50		14.50		17.5	92.80
		56	5280		14.50		14.50		17.5	
		60	5300		14.50		14.50		17.5	
		64	5320		14.50		14.50		17.5	
	802.11n-HT40 MCS0	54	5270	Not Required	14.50	Not Required	14.50	Not Required	17.5	96.10
		62	5310		14.50		14.50		17.5	
	802.11ac-VHT20 MCS0	52	5260		14.50		14.50		17.5	96.20
		56	5280		14.50		14.50		17.5	
		60	5300		14.50		14.50		17.5	
		64	5320		14.50		14.50		17.5	
	802.11ac-VHT40 MCS0	54	5270		14.50		14.50		17.5	93.70
		62	5310		14.50		14.50		17.5	
	802.11ac-VHT80 MCS0	58	5290	14.50	14.50	14.45	14.50	17.49	17.5	88.00
	802.11ac-VHT160 MCS0	50	5250	15.00	15.00	14.65	15.00	17.84	18.0	86.90
	802.11ax-HE20 MCS0	52	5260		14.50		14.50		17.5	95.80
		56	5280		14.50		14.50		17.5	
		60	5300		14.50		14.50		17.5	
		64	5320		Not Required		14.50		Not Required	
	802.11ax-HE40 MCS0	54	5270		14.50		14.50		17.5	92.40
		62	5310		14.50		14.50		17.5	
	802.11ax-HE80 MCS0	58	5290		14.50		14.50		17.5	85.00
	802.11ax-HE160 MCS0	50	5250	15.00	15.00	14.75	15.00	17.89	18.0	85.00



	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.00	15.00	15.00	15.00	15.00	18.0	93.10
		116	5580		15.00		15.00		18.0	
		124	5620		15.00		15.00		18.0	
		132	5660		15.00		15.00		18.0	
		144	5720		15.00		15.00		18.0	
	802.11n-HT20 MCS0	100	5500	15.00	15.00	15.00	15.00	18.0	92.80	
		116	5580	15.00	15.00	15.00	18.0			
		124	5620	15.00	15.00	15.00	18.0			
		132	5660	15.00	15.00	15.00	18.0			
		144	5720	15.00	15.00	15.00	18.0			
	802.11n-HT40 MCS0	102	5510	15.00	15.00	15.00	15.00	18.0	96.10	
		110	5550	15.00	15.00	15.00	18.0			
		126	5630	Not Required	15.00	Not Required	15.00	18.0		
		134	5670	15.00	15.00	15.00	18.0			
		142	5710	15.00	15.00	15.00	18.0			
	802.11ac-VHT20 MCS0	100	5500	15.00	15.00	15.00	15.00	18.0	96.20	
		116	5580	15.00	15.00	15.00	18.0			
		124	5620	15.00	15.00	15.00	18.0			
		132	5660	15.00	15.00	15.00	18.0			
		144	5720	15.00	15.00	15.00	18.0			
	802.11ac-VHT40 MCS0	102	5510	15.00	15.00	15.00	15.00	18.0	93.70	
		110	5550	15.00	15.00	15.00	18.0			
		126	5630	15.00	15.00	15.00	18.0			
		134	5670	15.00	15.00	15.00	18.0			
		142	5710	15.00	15.00	15.00	18.0			
	802.11ac-VHT80 MCS0	106	5530	15.00	15.00	14.95	15.00	17.99	18.0	88.00
		122	5610	15.00	15.00	14.65	15.00	17.84	18.0	
		138	5690	15.00	15.00	14.65	15.00	17.84	18.0	
	802.11ac-VHT160 MCS0	114	5570	15.00	15.00	14.95	15.00	17.99	18.0	86.90
	802.11ax-HE20 MCS0	100	5500	15.00	15.00	15.00	15.00	15.00	18.0	95.80
		116	5580	15.00	15.00	15.00	15.00	18.0		
		124	5620	15.00	15.00	15.00	15.00	18.0		
		132	5660	15.00	15.00	15.00	15.00	18.0		
		144	5720	15.00	15.00	15.00	15.00	18.0		
	802.11ax-HE40 MCS0	102	5510	15.00	15.00	15.00	15.00	15.00	18.0	92.40
		110	5550	15.00	15.00	15.00	15.00	18.0		
		126	5630	Not Required	15.00	Not Required	15.00	Not Required	18.0	
		134	5670	15.00	15.00	15.00	15.00	18.0		
		142	5710	15.00	15.00	15.00	15.00	18.0		
	802.11ax-HE80 MCS0	106	5530	15.00	15.00	15.00	15.00	15.00	18.0	86.20
		122	5610	15.00	15.00	15.00	15.00	18.0		
		138	5690	15.00	15.00	15.00	15.00	18.0		
	802.11ax-HE160 MCS0	114	5570	15.00	15.00	15.00	15.00	15.00	18.0	85.00
5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.50	Not Required	15.50	Not Required	18.5	93.10
		157	5785		15.50		18.5			
		165	5825		15.50		18.5			
	802.11n-HT20 MCS0	149	5745	15.50	15.50	15.50	15.50	18.5	92.80	
		157	5785	15.50	15.50	15.50	18.5			
		165	5825	15.50	15.50	15.50	18.5			
	802.11n-HT40 MCS0	151	5755	15.45	15.50	15.05	15.50	18.26	18.5	96.10
		159	5795	15.45	15.50	15.05	15.50	18.26	18.5	
		167	5835	15.50	15.50	15.50	15.50	18.5		
	802.11ac-VHT20 MCS0	149	5745	15.50	15.50	15.50	15.50	18.5	96.20	
		157	5785	15.50	15.50	15.50	15.50	18.5		
		165	5825	15.50	15.50	15.50	15.50	18.5		
	802.11ac-VHT40 MCS0	151	5755	15.50	15.50	15.50	15.50	18.5	93.70	
		159	5795	15.50	15.50	15.50	15.50	18.5		
		167	5835	15.50	15.50	15.50	15.50	18.5		
	802.11ac-VHT80 MCS0	155	5775	15.35	15.50	15.05	15.50	18.21	18.5	88.00
		163	5815	15.50	15.50	15.50	15.50	18.5		
		171	5855	15.50	15.50	15.50	15.50	18.5		
	802.11ax-HE20 MCS0	149	5745	15.50	15.50	15.50	15.50	15.50	18.5	95.80
		157	5785	15.50	15.50	15.50	15.50	18.5		
		165	5825	15.50	15.50	15.50	15.50	18.5		
	802.11ax-HE40 MCS0	151	5755	15.50	15.50	15.50	15.50	15.50	18.5	92.40
		159	5795	15.50	15.50	15.50	15.50	18.5		
		167	5835	15.50	15.50	15.50	15.50	18.5		
	802.11ax-HE80 MCS0	155	5775	15.50	15.50	15.50	15.50	15.50	18.5	86.20



2.4GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	12.65	13.50	12.35	13.50	15.51	16.5	98.90
		6	2437	12.95	13.50	12.75	13.50	15.86	16.5	
		11	2462	12.90	13.50	12.70	13.50	15.81	16.5	
		12	2467	12.85	13.50	12.45	13.50	15.66	16.5	
		13	2472	12.85	13.50	12.65	13.50	15.76	16.5	
	802.11g 6Mbps	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	93.40
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			
	802.11n-HT20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	93.00
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			
	802.11ac-VHT20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	87.30
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			
	802.11ax-HE20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	95.40
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			

5.2GHz WLAN	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	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		10.50		10.50		13.5	93.10
		40	5200		10.50		13.5			
		44	5220		10.50		13.5			
		48	5240		10.50		13.5			
	802.11n-HT20 MCS0	36	5180		10.50		10.50		13.5	92.80
		40	5200		10.50		13.5			
		44	5220		10.50		13.5			
		48	5240		10.50		13.5			
	802.11n-HT40 MCS0	38	5190		10.50		10.50		13.5	96.10
		46	5230		10.50		13.5			
		36	5180		10.50		13.5			
40		5200	10.50		13.5					
802.11ac-VHT20 MCS0	44	5220	Not Required	Not Required	Not Required	10.50	13.5	96.20		
	48	5240				10.50	13.5			
	38	5190				10.50	13.5			
	46	5230				10.50	13.5			
802.11ac-VHT40 MCS0	42	5210				10.50	13.5	93.70		
	36	5180				10.50	13.5			
	40	5200				10.50	13.5			
	44	5220				10.50	13.5			
802.11ax-HE20 MCS0	48	5240				10.50	13.5	95.80		
	38	5190				10.50	13.5			
	46	5230				10.50	13.5			
	42	5210				10.50	13.5			
802.11ax-HE40 MCS0	36	5180				10.50	13.5	92.40		
	40	5200				10.50	13.5			
	44	5220				10.50	13.5			
	48	5240				10.50	13.5			
802.11ax-HE80 MCS0	46	5230				10.50	13.5	86.20		
	42	5210				10.50	13.5			

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
5.3GHz WLAN	802.11a 6Mbps	52	5260		10.50		10.50		13.5	93.10				
		56	5280		10.50		10.50		13.5					
		60	5300		10.50		10.50		13.5					
		64	5320		10.50		10.50		13.5					
		52	5260		10.50		10.50		13.5					
	802.11n-HT20 MCS0	56	5280		10.50		10.50		13.5	92.80				
		60	5300		10.50		10.50		13.5					
		64	5320		10.50		10.50		13.5					
		54	5270		10.50		10.50		13.5					
		62	5310		10.50		10.50		13.5					
	802.11n-HT40 MCS0	52	5260	Not Required	10.50	Not Required	10.50	Not Required	13.5	96.10				
		62	5310		10.50		10.50		13.5					
		52	5260		10.50		10.50		13.5					
		56	5280		10.50		10.50		13.5					
		60	5300		10.50		10.50		13.5					
	802.11ac-VHT20 MCS0	64	5320		10.50		10.50		13.5	96.20				
		60	5300		10.50		10.50		13.5					
		64	5320		10.50		10.50		13.5					
		54	5270		10.50		10.50		13.5					
		62	5310		10.50		10.50		13.5					
	802.11ac-VHT40 MCS0	62	5310		10.50		10.50		13.5	93.70				
		58	5290		10.30		10.50		10.05		10.50	13.19	13.5	88.00
		50	5250		10.40		10.50		9.90		10.50	13.17	13.5	86.90
		52	5260		Not Required		10.50		Not Required		10.50	Not Required	13.5	95.80
		56	5280				10.50				10.50		13.5	
60	5300	10.50	10.50	13.5										
64	5320	10.50	10.50	13.5										
54	5270	10.50	10.50	13.5										
802.11ax-HE40 MCS0	62	5310	Not Required	10.50	Not Required	10.50	Not Required	13.5	92.40					
	58	5290		10.50		10.50		13.5		85.00				
	50	5250		10.50		10.50		13.5		85.00				
	52	5260		10.50		10.50		13.5		85.00				
	56	5280		10.50		10.50		13.5		85.00				

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	11.50	Not Required	11.50	Not Required	14.5	93.10
		116	5580		11.50		11.50		14.5	
		124	5620		11.50		11.50		14.5	
		132	5660		11.50		11.50		14.5	
		144	5720		11.50		11.50		14.5	
	802.11n-HT20 MCS0	100	5500	Not Required	11.50	Not Required	11.50	Not Required	14.5	92.80
		116	5580		11.50		11.50		14.5	
		124	5620		11.50		11.50		14.5	
		132	5660		11.50		11.50		14.5	
		144	5720		11.50		11.50		14.5	
	802.11n-HT40 MCS0	102	5510	Not Required	11.50	Not Required	11.50	Not Required	14.5	96.10
		110	5550		11.50		11.50		14.5	
		126	5630		11.50		11.50		14.5	
		134	5670		11.50		11.50		14.5	
		142	5710		11.50		11.50		14.5	
	802.11ac-VHT20 MCS0	100	5500	Not Required	11.50	Not Required	11.50	Not Required	14.5	96.20
		116	5580		11.50		11.50		14.5	
		124	5620		11.50		11.50		14.5	
		132	5660		11.50		11.50		14.5	
		144	5720		11.50		11.50		14.5	
	802.11ac-VHT40 MCS0	102	5510	Not Required	11.50	Not Required	11.50	Not Required	14.5	93.70
		110	5550		11.50		11.50		14.5	
		126	5630		11.50		11.50		14.5	
		134	5670		11.50		11.50		14.5	
		142	5710		11.50		11.50		14.5	
	802.11ac-VHT80 MCS0	106	5530	10.80	11.50	10.95	11.50	13.89	14.5	88.00
		122	5610	10.60	11.50	10.75	11.50	13.69	14.5	
		138	5690	10.80	11.50	10.65	11.50	13.74	14.5	
	802.11ac-VHT160 MCS0	114	5570	11.50	11.50	11.30	11.50	13.99	14.5	86.90
	802.11ax-HE20 MCS0	100	5500	Not Required	11.50	Not Required	11.50	Not Required	14.5	95.80
		116	5580		11.50		11.50		14.5	
		124	5620		11.50		11.50		14.5	
		132	5660		11.50		11.50		14.5	
		144	5720		11.50		11.50		14.5	
	802.11ax-HE40 MCS0	102	5510	Not Required	11.50	Not Required	11.50	Not Required	14.5	92.40
		110	5550		11.50		11.50		14.5	
		126	5630		11.50		11.50		14.5	
		134	5670		11.50		11.50		14.5	
		142	5710		11.50		11.50		14.5	
	802.11ax-HE80 MCS0	106	5530	Not Required	11.50	Not Required	11.50	Not Required	14.5	86.20
		122	5610		11.50		11.50		14.5	
		138	5690		11.50		11.50		14.5	
	802.11ax-HE160 MCS0	114	5570	11.50	11.50	11.50	11.50	14.5	85.00	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	11.50	Not Required	11.50	Not Required	14.5	93.10
		157	5785		11.50		11.50		14.5	
		165	5825		11.50		11.50		14.5	
	802.11n-HT20 MCS0	149	5745	Not Required	11.50	Not Required	11.50	Not Required	14.5	92.80
		157	5785		11.50		11.50		14.5	
		165	5825		11.50		11.50		14.5	
	802.11n-HT40 MCS0	151	5755	11.45	11.50	11.25	11.50	14.36	14.5	96.10
		159	5795	11.45	11.50	11.35	11.50	14.41	14.5	
		167	5835	11.50	11.50	11.50	14.5	14.5		
	802.11ac-VHT20 MCS0	149	5745	Not Required	11.50	Not Required	11.50	Not Required	14.5	96.20
		157	5785		11.50		11.50		14.5	
		165	5825		11.50		11.50		14.5	
	802.11ac-VHT40 MCS0	151	5755	Not Required	11.50	Not Required	11.50	Not Required	14.5	93.70
		159	5795		11.50		11.50		14.5	
		167	5835		11.50		11.50		14.5	
	802.11ac-VHT80 MCS0	155	5775	11.35	11.50	11.05	11.50	14.21	14.5	88.00
		163	5815	11.50	11.50	11.50	14.5	14.5		
		171	5855	11.50	11.50	11.50	14.5	14.5		
	802.11ax-HE20 MCS0	149	5745	Not Required	11.50	Not Required	11.50	Not Required	14.5	95.80
		157	5785		11.50		11.50		14.5	
		165	5825		11.50		11.50		14.5	
	802.11ax-HE40 MCS0	151	5755	Not Required	11.50	Not Required	11.50	Not Required	14.5	92.40
		159	5795		11.50		11.50		14.5	
		167	5835		11.50		11.50		14.5	
	802.11ax-HE80 MCS0	155	5775	11.50	11.50	11.50	11.50	14.5	86.20	



2.4GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	6.75	7.50	5.95	7.50	9.38	10.5	98.90
		6	2437	7.50	7.50	7.45	7.50	10.36	10.5	
		11	2462	6.75	7.50	6.75	7.50	9.76	10.5	
		12	2467	6.75	7.50	7.05	7.50	9.91	10.5	
		13	2472	7.15	7.50	6.95	7.50	10.06	10.5	
	802.11g 6Mbps	1	2412		7.50		7.50		10.5	93.40
		6	2437		7.50		7.50		10.5	
		11	2462		7.50		7.50		10.5	
		12	2467		7.50		7.50		10.5	
		13	2472		7.50		7.50		10.5	
	802.11n-HT20 MCS0	1	2412		7.50		7.50		10.5	93.00
		6	2437		7.50		7.50		10.5	
		11	2462		7.50		7.50		10.5	
		12	2467		7.50		7.50		10.5	
		13	2472		7.50		7.50		10.5	
	802.11ac-VHT20 MCS0	1	2412	Not Required	7.50	Not Required	7.50	Not Required	10.5	87.30
		6	2437		7.50		7.50		10.5	
		11	2462		7.50		7.50		10.5	
		12	2467		7.50		7.50		10.5	
		13	2472		7.50		7.50		10.5	
	802.11ax-HE20 MCS0	1	2412		7.50		7.50		10.5	95.40
		6	2437		7.50		7.50		10.5	
		11	2462		7.50		7.50		10.5	
		12	2467		7.50		7.50		10.5	
		13	2472		7.50		7.50		10.5	

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	11.50	Not Required	11.50	Not Required	14.5	93.10
		40	5200		11.50		11.50		14.5	
		44	5220		11.50		11.50		14.5	
		48	5240		11.50		11.50		14.5	
	802.11n-HT20 MCS0	36	5180		11.50		11.50		14.5	92.80
		40	5200		11.50		11.50		14.5	
		44	5220		11.50		11.50		14.5	
		48	5240		11.50		11.50		14.5	
	802.11n-HT40 MCS0	38	5190		11.50		11.50		14.5	96.10
		46	5230		11.50		11.50		14.5	
		36	5180		11.50		11.50		14.5	
		40	5200		11.50		11.50		14.5	
	802.11ac-VHT20 MCS0	44	5220		11.50		11.50		14.5	96.20
		48	5240		11.50		11.50		14.5	
		38	5190		11.50		11.50		14.5	
		46	5230		11.50		11.50		14.5	
	802.11ac-VHT40 MCS0	42	5210		11.50		11.50		14.5	93.70
		36	5180		11.50		11.50		14.5	
		40	5200		11.50		11.50		14.5	
		44	5220		11.50		11.50		14.5	
802.11ax-HE20 MCS0	48	5240	11.50	11.50	14.5	88.00				
	36	5180	11.50	11.50	14.5					
	40	5200	11.50	11.50	14.5					
	44	5220	11.50	11.50	14.5					
802.11ax-HE40 MCS0	48	5240	11.50	11.50	14.5	95.80				
	38	5190	11.50	11.50	14.5					
	46	5230	11.50	11.50	14.5					
	42	5210	11.50	11.50	14.5					
802.11ax-HE80 MCS0	46	5230	11.50	11.50	14.5	92.40				
	42	5210	11.50	11.50	14.5					
	36	5180	11.50	11.50	14.5					
	40	5200	11.50	11.50	14.5					

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	Not Required	Not Required	Not Required	11.50	93.10	
		56	5280					11.50		
		60	5300					11.50		
		64	5320					11.50		
	802.11n-HT20 MCS0	52	5260	Not Required	Not Required	Not Required	Not Required	11.50	92.80	
		56	5280					11.50		
		60	5300					11.50		
		64	5320					11.50		
	802.11n-HT40 MCS0	54	5270	Not Required	Not Required	Not Required	Not Required	11.50	96.10	
		62	5310					11.50		
	802.11ac-VHT20 MCS0	52	5260	Not Required	Not Required	Not Required	Not Required	11.50	96.20	
		56	5280					11.50		
		60	5300					11.50		
		64	5320					11.50		
	802.11ac-VHT40 MCS0	54	5270	Not Required	Not Required	Not Required	Not Required	11.50	93.70	
		62	5310					11.50		
	802.11ac-VHT80 MCS0	58	5290	10.30	11.50	10.05	11.50	13.19	14.5	88.00
	802.11ac-VHT160 MCS0	50	5250	10.40	11.50	9.90	11.50	13.17	14.5	86.90
	802.11ax-HE20 MCS0	52	5260	Not Required	Not Required	Not Required	Not Required	11.50	95.80	
		56	5280					11.50		
		60	5300					11.50		
		64	5320					11.50		
	802.11ax-HE40 MCS0	54	5270	Not Required	Not Required	Not Required	Not Required	11.50	92.40	
		62	5310					11.50		
802.11ax-HE80 MCS0	58	5290		11.50		11.50	14.5	85.00		
802.11ax-HE160 MCS0	50	5250		11.50		11.50	14.5	85.00		



	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500		12.50		12.50		15.5	93.10
		116	5580		12.50		12.50		15.5	
		124	5620		12.50		12.50		15.5	
		132	5660		12.50		12.50		15.5	
		144	5720		12.50		12.50		15.5	
	802.11n-HT20 MCS0	100	5500		12.50		12.50		15.5	92.80
		116	5580		12.50		12.50		15.5	
		124	5620		12.50		12.50		15.5	
		132	5660		12.50		12.50		15.5	
		144	5720		12.50		12.50		15.5	
	802.11n-HT40 MCS0	102	5510	Not Required	12.50	Not Required	12.50	Not Required	15.5	96.10
		110	5550		12.50		12.50		15.5	
		126	5630		12.50		12.50		15.5	
		134	5670		12.50		12.50		15.5	
		142	5710		12.50		12.50		15.5	
	802.11ac-VHT20 MCS0	100	5500		12.50		12.50		15.5	96.20
		116	5580		12.50		12.50		15.5	
		124	5620		12.50		12.50		15.5	
		132	5660		12.50		12.50		15.5	
		144	5720		12.50		12.50		15.5	
	802.11ac-VHT40 MCS0	102	5510		12.50		12.50		15.5	93.70
		110	5550		12.50		12.50		15.5	
		126	5630		12.50		12.50		15.5	
		134	5670		12.50		12.50		15.5	
		142	5710		12.50		12.50		15.5	
	802.11ac-VHT80 MCS0	106	5530	10.80	12.50	10.95	12.50	13.89	15.5	88.00
		122	5610	10.60	12.50	10.75	12.50	13.69	15.5	
		138	5690	10.80	12.50	10.65	12.50	13.74	15.5	
	802.11ac-VHT160 MCS0	114	5570	11.50	12.50	11.30	12.50	13.99	15.5	86.90
	802.11ax-HE20 MCS0	100	5500		12.50		12.50		15.5	95.80
		116	5580		12.50		12.50		15.5	
		124	5620		12.50		12.50		15.5	
		132	5660		12.50		12.50		15.5	
		144	5720		12.50		12.50		15.5	
	802.11ax-HE40 MCS0	102	5510	Not Required	12.50	Not Required	12.50	Not Required	15.5	92.40
		110	5550		12.50		12.50		15.5	
		126	5630		12.50		12.50		15.5	
		134	5670		12.50		12.50		15.5	
		142	5710		12.50		12.50		15.5	
	802.11ax-HE80 MCS0	106	5530		12.50		12.50		15.5	86.20
		122	5610		12.50		12.50		15.5	
		138	5690		12.50		12.50		15.5	
	802.11ax-HE160 MCS0	114	5570		12.50		12.50		15.5	85.00

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	12.50	Not Required	12.50	Not Required	15.5	93.10
		157	5785		12.50		12.50		15.5	
		165	5825		12.50		12.50		15.5	
	802.11n-HT20 MCS0	149	5745	Not Required	12.50	Not Required	12.50	Not Required	15.5	92.80
		157	5785		12.50		12.50		15.5	
		165	5825		12.50		12.50		15.5	
	802.11n-HT40 MCS0	151	5755	11.45	12.50	11.25	12.50	14.36	15.5	96.10
		159	5795	11.45	12.50	11.35	12.50	14.41	15.5	
		149	5745	12.50		12.50		15.5		
	802.11ac-VHT20 MCS0	157	5785	Not Required	12.50	Not Required	12.50	Not Required	15.5	96.20
		165	5825		12.50		12.50		15.5	
		151	5755		12.50		12.50		15.5	
	802.11ac-VHT40 MCS0	159	5795	Not Required	12.50	Not Required	12.50	Not Required	15.5	93.70
		155	5775		12.50		12.50		15.5	
		149	5745		12.50				12.50	
	802.11ax-HE20 MCS0	157	5785	Not Required	12.50	Not Required	12.50	Not Required	15.5	95.80
		165	5825		12.50		12.50		15.5	
		151	5755		12.50		12.50		15.5	
	802.11ax-HE40 MCS0	159	5795	Not Required	12.50	Not Required	12.50	Not Required	15.5	92.40
		155	5775		12.50		12.50		15.5	
		149	5745		12.50				12.50	
	802.11ax-HE80 MCS0	155	5775		12.50		12.50		15.5	86.20



	2.4GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.45	21.50	21.05	21.50	24.26	24.5	98.90
		6	2437	21.45	21.50	21.05	21.50	24.26	24.5	
		11	2462	21.45	21.50	21.05	21.50	24.26	24.5	
		12	2467	21.45	21.50	21.15	21.50	24.31	24.5	
		13	2472	20.85	21.00	20.75	21.00	23.81	24.0	
	802.11g 6Mbps	1	2412		20.00		20.00		23.0	93.40
		6	2437		21.00		21.00		24.0	
		11	2462		19.00		19.00		22.0	
		12	2467		17.50		17.50		20.5	
		13	2472		16.50		16.50		19.5	
	802.11n-HT20 MCS0	1	2412		20.00		20.00		23.0	93.00
		6	2437		21.00		21.00		24.0	
		11	2462		18.50		18.50		21.5	
		12	2467		17.50		17.50		20.5	
		13	2472		17.00		17.00		20.0	
	802.11ac-VHT20 MCS0	1	2412	Not Required	20.00	Not Required	20.00	Not Required	23.0	87.30
		6	2437		21.00		21.00		24.0	
		11	2462		18.50		18.50		21.5	
		12	2467		17.50		17.50		20.5	
		13	2472		17.00		17.00		20.0	
	802.11ax-HE20 MCS0	1	2412		20.00		20.00		23.0	95.40
		6	2437		21.00		21.00		24.0	
		11	2462		18.50		18.50		21.5	
		12	2467		17.50		17.50		20.5	
		13	2472		17.00		17.00		20.0	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180		18.00		18.00		21.0	93.10
		40	5200	Not Required	18.00	Not Required	18.00	Not Required	21.0	
		44	5220		18.00		18.00		21.0	
		48	5240		18.00		18.00		21.0	
	802.11n-HT20 MCS0	36	5180	17.10	17.50	17.05	17.50	20.09	20.5	92.80
		40	5200	17.70	18.00	17.65	18.00	20.69	21.0	
		44	5220	17.70	18.00	17.65	18.00	20.69	21.0	
		48	5240	18.30	18.50	18.25	18.50	21.29	21.5	
	802.11n-HT40 MCS0	38	5190	16.70	17.00	16.65	17.00	19.69	20.0	96.10
		46	5230	19.00	19.00	18.95	19.00	21.99	22.0	
	802.11ac-VHT20 MCS0	36	5180		17.50		17.50		20.5	96.20
		40	5200		18.00		18.00		21.0	
		44	5220		18.00		18.00		21.0	
		48	5240		18.50		18.50		21.5	
	802.11ac-VHT40 MCS0	38	5190		17.00		17.00		20.0	93.70
		46	5230		19.00		19.00		22.0	
	802.11ac-VHT80 MCS0	42	5210	Not Required	16.00	Not Required	16.00	Not Required	19.0	88.00
		36	5180		17.50		17.50		20.5	
	802.11ax-HE20 MCS0	40	5200		18.00		18.00		21.0	95.80
		44	5220		18.00		18.00		21.0	
		48	5240		18.50		18.50		21.5	
	802.11ax-HE40 MCS0	38	5190		17.00		17.00		20.0	92.40
		46	5230		19.00		19.00		22.0	
	802.11ax-HE80 MCS0	42	5210		16.00		16.00		19.0	86.20



	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.40	18.50	18.15	18.50	21.29	21.5	93.10			
		56	5280	18.30	18.50	18.05	18.50	21.19	21.5				
		60	5300	18.30	18.50	18.05	18.50	21.19	21.5				
		64	5320	18.30	18.50	18.15	18.50	21.24	21.5				
	802.11n-HT20 MCS0	52	5260	Not Required	18.50	Not Required	18.50	Not Required	21.5	92.80			
		56	5280		18.50		18.50		21.5				
		60	5300		18.50		18.50		21.5				
		64	5320		17.50		17.50		20.5				
	802.11n-HT40 MCS0	54	5270	19.00	19.00	18.95	19.00	21.99	22.0	96.10			
		62	5310	15.60	16.00	15.75	16.00	18.69	19.0				
	802.11ac-VHT20 MCS0	52	5260	Not Required	18.50	Not Required	18.50	Not Required	21.5	96.20			
		56	5280		18.50		18.50		21.5				
		60	5300		18.50		18.50		21.5				
		64	5320		17.50		17.50		20.5				
	802.11ac-VHT40 MCS0	54	5270		19.00		19.00		22.0	93.70			
		62	5310		16.00		16.00		19.0				
	802.11ac-VHT80 MCS0	58	5290		16.00		16.00		19.0	88.00			
	802.11ac-VHT160 MCS0	50	5250		15.00		15.00		18.0	86.90			
	802.11ax-HE20 MCS0	52	5260		Not Required		18.50		Not Required	18.50	Not Required	21.5	95.80
		56	5280				18.50			18.50		21.5	
		60	5300				18.50			18.50		21.5	
		64	5320				17.50			17.50		20.5	
	802.11ax-HE40 MCS0	54	5270		19.00		19.00		19.00	22.0	92.40		
		62	5310		16.00		16.00		16.00	19.0			
	802.11ax-HE80 MCS0	58	5290		16.00		16.00		16.00	19.0	85.00		
	802.11ax-HE160 MCS0	50	5250		16.00		16.00		16.00	19.0	85.00		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3					
	Mode	Channel	Frequency (MHz)	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		16.00		16.00		19.0	93.10			
		116	5580		19.00		19.00		22.0				
		124	5620		19.00		19.00		22.0				
		132	5660		19.00		19.00		22.0				
	802.11n-HT20 MCS0	144	5720	Not Required	19.00	Not Required	19.00	Not Required	22.0	92.80			
		100	5500		16.00		16.00		19.0				
		116	5580		19.00		19.00		22.0				
		124	5620		19.00		19.00		22.0				
		132	5660		19.00		19.00		22.0				
		144	5720		19.00		19.00		22.0				
	802.11n-HT40 MCS0	102	5510	16.50	17.00	16.45	17.00	19.49	20.0	96.10			
		110	5550	19.40	20.00	19.75	20.00	22.59	23.0				
		126	5630	19.70	20.00	19.75	20.00	22.74	23.0				
		134	5670	19.70	20.00	19.75	20.00	22.74	23.0				
	802.11ac-VHT20 MCS0	142	5710	19.70	20.00	19.75	20.00	22.74	23.0	96.20			
		100	5500	Not Required	16.00	Not Required	16.00	Not Required	19.0				
		116	5580		19.00		19.00		22.0				
		124	5620		19.00		19.00		22.0				
		132	5660		19.00		19.00		22.0				
		144	5720		19.00		19.00		22.0				
	802.11ac-VHT40 MCS0	102	5510		Not Required		17.00		Not Required	17.00	Not Required	20.0	93.70
		110	5550	20.00		20.00	23.0						
		126	5630	20.00		20.00	23.0						
		134	5670	20.00		20.00	23.0						
	802.11ac-VHT80 MCS0	142	5710	Not Required	20.00	Not Required	20.00	Not Required	23.0	88.00			
		106	5530		16.00		16.50		16.50		18.99	19.5	
		122	5610		19.60		20.00		19.75		20.00	22.69	23.0
		138	5690		19.90		20.00		19.75		20.00	22.84	23.0
		114	5570		16.50		16.50		16.50		19.5	19.5	
		100	5500		16.00		16.00		16.00		19.0	19.0	
	802.11ax-HE20 MCS0	116	5580	Not Required	19.00	Not Required	19.00	Not Required	22.0	95.80			
		124	5620		19.00		19.00		22.0				
		132	5660		19.00		19.00		22.0				
		144	5720		19.00		19.00		22.0				
	802.11ax-HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.0	92.40			
		110	5550		20.00		20.00		20.00		23.0		
		126	5630		20.00		20.00		20.00		23.0		
		134	5670		20.00		20.00		20.00		23.0		
	802.11ax-HE80 MCS0	142	5710	Not Required	20.00	Not Required	20.00	Not Required	23.0	86.20			
		106	5530		16.50		16.50		16.50		19.5		
		122	5610		20.00		20.00		20.00		23.0		
		138	5690		20.00		20.00		20.00		23.0		
	802.11ax-HE160 MCS0	114	5570	16.50	16.50	16.50	19.5	85.00					

5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	20.70	21.00	20.45	21.00	23.59	24.0	93.10
		157	5785	20.90	21.00	20.65	21.00	23.79	24.0	
		165	5825	20.80	21.00	20.45	21.00	23.64	24.0	
	802.11n-HT20 MCS0	149	5745	Not Required	21.00	Not Required	21.00	Not Required	24.0	92.80
		157	5785		21.00		21.00		24.0	
		165	5825		21.00		21.00		24.0	
	802.11n-HT40 MCS0	151	5755		20.00		20.00		23.0	96.10
		159	5795		20.00		20.00		23.0	
		149	5745		21.00		21.00		24.0	
	802.11ac-VHT20 MCS0	157	5785		21.00		21.00		24.0	96.20
		165	5825		21.00		21.00		24.0	
		151	5755		20.50		20.50		23.5	
	802.11ac-VHT40 MCS0	159	5795	20.00	20.00	23.0	88.00			
		155	5775	20.00	20.00	23.0				
		149	5745	21.00	21.00	24.0		95.80		
	802.11ax-HE20 MCS0	157	5785	21.00	21.00	24.0	92.40			
		165	5825	21.00	21.00	24.0				
		151	5755	20.50	20.50	23.5		86.20		
	802.11ax-HE40 MCS0	159	5795	20.00	20.00	23.0	92.40			
		157	5785	20.00	20.00	23.0				
		155	5775	20.00	20.00	23.0				

2.4GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	17.15	17.50	16.75	17.50	19.96	20.5	98.90
		6	2437	17.50	17.50	17.25	17.50	20.41	20.5	
		11	2462	17.45	17.50	17.05	17.50	20.26	20.5	
		12	2467	17.35	17.50	17.05	17.50	20.21	20.5	
		13	2472	17.35	17.50	17.05	17.50	20.21	20.5	
	802.11g 6Mbps	1	2412	Not Required	17.50	Not Required	17.50	Not Required	20.5	93.40
		6	2437		17.50		17.50		20.5	
		11	2462		17.50		17.50		20.5	
		12	2467		17.50		17.50		20.5	
		13	2472		16.50		16.50		19.5	
	802.11n-20MHz MCS0	1	2412	Not Required	17.50	Not Required	17.50	Not Required	20.5	93.00
		6	2437		17.50		17.50		20.5	
		11	2462		17.50		17.50		20.5	
		12	2467		17.50		17.50		20.5	
		13	2472		17.00		17.00		20.0	
	802.11ac-VHT20 MCS0	1	2412	Not Required	17.50	Not Required	17.50	Not Required	20.5	87.30
		6	2437		17.50		17.50		20.5	
		11	2462		17.50		17.50		20.5	
		12	2467		17.50		17.50		20.5	
		13	2472		17.00		17.00		20.0	
	802.11ax-HE20 MCS0	1	2412	Not Required	17.50	Not Required	17.50	Not Required	20.5	95.40
		6	2437		17.50		17.50		20.5	
		11	2462		17.50		17.50		20.5	
		12	2467		17.50		17.50		20.5	
		13	2472		17.00		17.00		20.0	

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.00	Not Required	18.00	Not Required	21.0	93.10
		40	5200		18.00		18.00		21.0	
		44	5220		18.00		18.00		21.0	
		48	5240		18.00		18.00		21.0	
	802.11n-HT20 MCS0	36	5180	17.10	17.50	17.05	17.50	20.09	20.5	92.80
		40	5200	17.70	18.00	17.65	18.00	20.69	21.0	
		44	5220	17.70	18.00	17.65	18.00	20.69	21.0	
		48	5240	18.30	18.50	18.25	18.50	21.29	21.5	
	802.11n-HT40 MCS0	38	5190	16.70	17.00	16.65	17.00	19.69	20.0	96.10
		46	5230	19.00	19.00	18.95	19.00	21.99	22.0	
	802.11ac-VHT20 MCS0	36	5180		17.50		17.50		20.5	96.20
		40	5200		18.00		18.00		21.0	
		44	5220		18.00		18.00		21.0	
		48	5240		18.50		18.50		21.5	
	802.11ac-VHT40 MCS0	38	5190		17.00		17.00		20.0	93.70
		46	5230		19.00		19.00		22.0	
	802.11ac-VHT80 MCS0	42	5210	Not Required	16.00	Not Required	16.00	Not Required	19.0	88.00
		36	5180		17.50		17.50		20.5	86.90
	802.11ax-HE20 MCS0	40	5200		18.00		18.00		21.0	95.80
		44	5220		18.00		18.00		21.0	
		48	5240		18.50		18.50		21.5	
	802.11ax-HE40 MCS0	38	5190		17.00		17.00		20.0	92.40
		46	5230		19.00		19.00		22.0	
	802.11ax-HE80 MCS0	42	5210		16.00		16.00		19.0	86.20

5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	18.40	18.50	18.15	18.50	21.29	21.5	93.10
		56	5280	18.30	18.50	18.05	18.50	21.19	21.5	
		60	5300	18.30	18.50	18.05	18.50	21.19	21.5	
	802.11n-HT20 MCS0	64	5320	18.30	18.50	18.15	18.50	21.24	21.5	92.80
		52	5260	Not Required	18.50	Not Required	18.50	Not Required	21.5	
		56	5280		18.50		18.50		21.5	
		60	5300		18.50		18.50		21.5	
	802.11n-HT40 MCS0	64	5320	17.50	17.50	20.5	96.10			
		54	5270	19.00	18.95	19.00		21.99	22.0	
		62	5310	15.60	16.00	15.75		16.00	18.69	19.0
	802.11ac-VHT20 MCS0	52	5260	Not Required	18.50	Not Required	18.50	Not Required	21.5	96.20
		56	5280		18.50		18.50		21.5	
		60	5300		18.50		18.50		21.5	
		64	5320		17.50		17.50		20.5	
	802.11ac-VHT40 MCS0	54	5270	19.00	19.00	22.0	93.70			
		62	5310	16.00	16.00	19.0				
	802.11ac-VHT80 MCS0	58	5290	16.00	16.00	19.0	88.00			
	802.11ac-VHT160 MCS0	50	5250	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	802.11ax-HE20 MCS0	52	5260	Not Required	18.50	Not Required	18.50	Not Required	21.5	95.80
		56	5280		18.50		18.50		21.5	
		60	5300		18.50		18.50		21.5	
		64	5320		17.50		17.50		20.5	
	802.11ax-HE40 MCS0	54	5270	19.00	19.00	22.0	92.40			
		62	5310	16.00	16.00	19.0				
	802.11ax-HE80 MCS0	58	5290	16.00	16.00	19.0	85.00			
	802.11ax-HE160 MCS0	50	5250	16.00	16.00	19.0	85.00			



	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	16.00	Not Required	16.00	19.0	93.10	
		116	5580		19.00		19.00	22.0		
		124	5620		19.00		19.00	22.0		
		132	5660		19.00		19.00	22.0		
		144	5720		19.00		19.00	22.0		
	802.11n-HT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	19.0	92.80	
		116	5580		19.00		19.00	22.0		
		124	5620		19.00		19.00	22.0		
		132	5660		19.00		19.00	22.0		
		144	5720		19.00		19.00	22.0		
	802.11n-HT40 MCS0	102	5510	16.50	17.00	16.45	17.00	19.49	20.0	96.10
		110	5550	19.40	20.00	19.75	20.00	22.59	23.0	
		126	5630	19.70	20.00	19.75	20.00	22.74	23.0	
		134	5670	19.70	20.00	19.75	20.00	22.74	23.0	
		142	5710	19.70	20.00	19.75	20.00	22.74	23.0	
	802.11ac-VHT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	19.0	96.20	
		116	5580		19.00		19.00	22.0		
		124	5620		19.00		19.00	22.0		
		132	5660		19.00		19.00	22.0		
		144	5720		19.00		19.00	22.0		
	802.11ac-VHT40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	20.0	93.70	
		110	5550		20.00		20.00	23.0		
		126	5630		20.00		20.00	23.0		
		134	5670		20.00		20.00	23.0		
		142	5710		20.00		20.00	23.0		
	802.11ac-VHT80 MCS0	106	5530	16.00	16.50	15.95	16.50	18.99	19.5	88.00
		122	5610	19.60	20.00	19.75	20.00	22.69	23.0	
		138	5690	19.90	20.00	19.75	20.00	22.84	23.0	
	802.11ax-VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	19.5	86.90	
		100	5500		16.00		16.00	19.0		
		116	5580		19.00		19.00	22.0		
		124	5620		19.00		19.00	22.0		
		132	5660		19.00		19.00	22.0		
	802.11ax-HE20 MCS0	102	5510	Not Required	17.00	Not Required	17.00	20.0	95.80	
		110	5550		20.00		20.00	23.0		
		126	5630		20.00		20.00	23.0		
		134	5670		20.00		20.00	23.0		
		144	5720		19.00		19.00	22.0		
	802.11ax-HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	20.0	92.40	
		110	5550		20.00		20.00	23.0		
		126	5630		20.00		20.00	23.0		
		134	5670		20.00		20.00	23.0		
142		5710	20.00		20.00		23.0			
802.11ax-HE80 MCS0	106	5530	Not Required	16.50	Not Required	16.50	19.5	86.20		
	122	5610		20.00		20.00	23.0			
	138	5690		20.00		20.00	23.0			
802.11ax-HE160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	19.5	85.00		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.70	21.00	20.45	21.00	23.59	24.0	93.10
		157	5785	20.90	21.00	20.65	21.00	23.79	24.0	
		165	5825	20.80	21.00	20.45	21.00	23.64	24.0	
	802.11n-HT20 MCS0	149	5745	Not Required	21.00	Not Required	21.00	24.0	92.80	
		157	5785		21.00		21.00	24.0		
		165	5825		21.00		21.00	24.0		
	802.11n-HT40 MCS0	151	5755	Not Required	20.00	Not Required	20.00	23.0	96.10	
		159	5795		20.00		20.00	23.0		
		149	5745		21.00		21.00	24.0		
	802.11ac-VHT20 MCS0	157	5785	Not Required	21.00	Not Required	21.00	24.0	96.20	
		165	5825		21.00		21.00	24.0		
		151	5755		20.50		20.50	23.5		
	802.11ac-VHT40 MCS0	159	5795	Not Required	20.00	Not Required	20.00	23.0	93.70	
		155	5775		20.00		20.00	23.0		
		149	5745		21.00		21.00	24.0		
	802.11ax-HE20 MCS0	157	5785	Not Required	21.00	Not Required	21.00	24.0	95.80	
		165	5825		21.00		21.00	24.0		
		151	5755		20.50		20.50	23.5		
	802.11ax-HE40 MCS0	159	5795	Not Required	20.00	Not Required	20.00	23.0	92.40	
		155	5775		20.00		20.00	23.0		
		149	5745		21.00		21.00	24.0		
	802.11ax-HE80 MCS0	157	5785	Not Required	21.00	Not Required	21.00	24.0	86.20	
		165	5825		21.00		21.00	24.0		
		151	5755		20.50		20.50	23.5		
	802.11ax-HE160 MCS0	159	5795	Not Required	20.00	Not Required	20.00	23.0	86.90	
		155	5775		20.00		20.00	23.0		
		149	5745		21.00		21.00	24.0		

2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	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	17.15	18.50	16.75	18.50	19.96	21.5	98.90
		6	2437	17.50	18.50	17.35	18.50	20.44	21.5	
		11	2462	17.45	18.50	17.35	18.50	20.41	21.5	
		12	2467	17.35	18.50	17.15	18.50	20.26	21.5	
		13	2472	17.35	18.50	17.15	18.50	20.26	21.5	
	802.11g 6Mbps	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.5	93.40
		6	2437		18.50		21.5			
		11	2462		18.50		21.5			
		12	2467		17.50		20.5			
		13	2472		16.50		19.5			
	802.11n-HT20 MCS0	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.5	93.00
		6	2437		18.50		21.5			
		11	2462		18.50		21.5			
		12	2467		17.50		20.5			
		13	2472		17.00		20.0			
	802.11ac-VHT20 MCS0	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.5	87.30
		6	2437		18.50		21.5			
		11	2462		18.50		21.5			
		12	2467		17.50		20.5			
		13	2472		17.00		20.0			
	802.11ax-HE20 MCS0	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.5	95.40
		6	2437		18.50		21.5			
		11	2462		18.50		21.5			
		12	2467		17.50		20.5			
		13	2472		17.00		20.0			

5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	16.50	Not Required	16.50	Not Required	19.5	93.10
		40	5200		16.50		16.50		19.5	
		44	5220		16.50		16.50		19.5	
		48	5240		16.50		16.50		19.5	
	802.11n-HT20 MCS0	36	5180	Not Required	16.50	Not Required	16.50	Not Required	19.5	92.80
		40	5200		16.50		16.50		19.5	
		44	5220		16.50		16.50		19.5	
		48	5240		16.50		16.50		19.5	
	802.11n-HT40 MCS0	38	5190	15.70	16.50	15.55	16.50	18.64	19.5	96.10
		46	5230	15.80	16.50	15.50	16.50	18.66	19.5	
	802.11ac-VHT20 MCS0	36	5180	Not Required	16.50	Not Required	16.50	Not Required	19.5	96.20
		40	5200		16.50		16.50		19.5	
		44	5220		16.50		16.50		19.5	
		48	5240		16.50		16.50		19.5	
	802.11ac-VHT40 MCS0	38	5190	Not Required	16.50	Not Required	16.50	Not Required	19.5	93.70
		46	5230		16.50		16.50		19.5	
	802.11ac-VHT80 MCS0	42	5210	Not Required	16.00	Not Required	16.00	Not Required	19.0	88.00
		36	5180		16.50		16.50		19.5	
	802.11ax-HE20 MCS0	40	5200	Not Required	16.50	Not Required	16.50	Not Required	19.5	95.80
		44	5220		16.50		16.50		19.5	
		48	5240		16.50		16.50		19.5	
		38	5190		16.50		16.50		19.5	
	802.11ax-HE40 MCS0	46	5230	Not Required	16.50	Not Required	16.50	Not Required	19.5	92.40
		42	5210		16.00		16.00		19.0	
802.11ax-HE80 MCS0	42	5210	Not Required	16.00	Not Required	16.00	Not Required	19.0	86.00	
	48	5240		16.50		16.50		19.5		

5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	17.00	17.00	16.85	17.00	19.94	20.0	93.10
		56	5280	17.00	17.00	16.95	17.00	19.99	20.0	
		60	5300	16.80	17.00	16.85	17.00	19.84	20.0	
		64	5320	16.80	17.00	16.95	17.00	19.89	20.0	
	802.11n-HT20 MCS0	52	5260	Not Required	17.00	Not Required	17.00	Not Required	20.0	92.80
		56	5280		17.00		17.00		20.0	
		60	5300		17.00		17.00		20.0	
		64	5320		17.00		17.00		20.0	
	802.11n-HT40 MCS0	54	5270	16.90	17.00	16.85	17.00	19.89	20.0	96.10
		62	5310	15.60	16.00	15.75	16.00	18.69	19.0	
	802.11ac-VHT20 MCS0	52	5260	Not Required	17.00	Not Required	17.00	Not Required	20.0	96.20
		56	5280		17.00		17.00		20.0	
		60	5300		17.00		17.00		20.0	
		64	5320		17.00		17.00		20.0	
	802.11ac-VHT40 MCS0	54	5270	Not Required	17.00	Not Required	17.00	Not Required	20.0	93.70
		62	5310		16.00		16.00		19.0	
	802.11ac-VHT80 MCS0	58	5290	Not Required	16.00	Not Required	16.00	Not Required	19.0	88.00
	802.11ac-VHT160 MCS0	50	5250		15.00		15.00		18.0	86.90
	802.11ax-HE20 MCS0	52	5260		17.00		17.00		20.0	95.80
		56	5280		17.00		17.00		20.0	
		60	5300	17.00	17.00	20.0				
		64	5320	17.00	17.00	20.0				
	802.11ax-HE40 MCS0	54	5270	Not Required	17.00	Not Required	17.00	Not Required	20.0	92.40
		62	5310		16.00		16.00		19.0	
	802.11ax-HE80 MCS0	58	5290	Not Required	16.00	Not Required	16.00	Not Required	19.0	85.00
	802.11ax-HE160 MCS0	50	5250		16.00		16.00		19.0	85.00



	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	16.00	Not Required	16.00	Not Required	19.0	93.10
		116	5580		17.00		17.00		20.0	
		124	5620		17.00		17.00		20.0	
		132	5660		17.00		17.00		20.0	
		144	5720		17.00		17.00		20.0	
	802.11n-HT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	Not Required	19.0	92.80
		116	5580		17.00		17.00		20.0	
		124	5620		17.00		17.00		20.0	
		132	5660		17.00		17.00		20.0	
		144	5720		17.00		17.00		20.0	
	802.11n-HT40 MCS0	102	5510	16.90	17.00	16.95	17.00	19.94	20.0	96.10
		110	5550	16.80	17.00	16.95	17.00	19.89	20.0	
		126	5630	16.60	17.00	16.75	17.00	19.69	20.0	
		134	5670	16.90	17.00	16.75	17.00	19.84	20.0	
		142	5710	17.00	17.00	16.55	17.00	19.79	20.0	
	802.11ac-VHT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	Not Required	19.0	96.20
		116	5580		17.00		17.00		20.0	
		124	5620		17.00		17.00		20.0	
		132	5660		17.00		17.00		20.0	
		144	5720		17.00		17.00		20.0	
	802.11ac-VHT40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.0	93.70
		110	5550		17.00		17.00		20.0	
		126	5630		17.00		17.00		20.0	
		134	5670		17.00		17.00		20.0	
		142	5710		17.00		17.00		20.0	
	802.11ac-VHT80 MCS0	106	5530	16.00	16.50	15.95	16.50	18.99	19.5	88.00
		122	5610	16.80	17.00	16.55	17.00	19.69	20.0	
		138	5690	17.00	17.00	16.65	17.00	19.84	20.0	
	802.11ac-VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.5	86.90
		100	5500		16.00		16.00		19.0	
		116	5580		17.00		17.00		20.0	
	802.11ax-HE20 MCS0	124	5620	Not Required	17.00	Not Required	17.00	Not Required	20.0	95.80
		132	5660		17.00		17.00		20.0	
		144	5720		17.00		17.00		20.0	
		102	5510		17.00		17.00		20.0	
		110	5550		17.00		17.00		20.0	
	802.11ax-HE40 MCS0	126	5630	Not Required	17.00	Not Required	17.00	Not Required	20.0	92.40
		134	5670		17.00		17.00		20.0	
		142	5710		17.00		17.00		20.0	
		106	5530		16.50		16.50		19.5	
		122	5610		17.00		17.00		20.0	
	802.11ax-HE80 MCS0	138	5690	Not Required	17.00	Not Required	17.00	Not Required	20.0	86.20
		114	5570		16.50		16.50		19.5	
	802.11ax-HE160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.5	85.00

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	18.00	Not Required	18.00	Not Required	21.0	93.10
		157	5785		18.00		18.00		21.0	
		165	5825		18.00		18.00		21.0	
	802.11n-HT20 MCS0	149	5745	Not Required	18.00	Not Required	18.00	Not Required	21.0	92.80
		157	5785		18.00		18.00		21.0	
		165	5825		18.00		18.00		21.0	
	802.11n-HT40 MCS0	151	5755	Not Required	18.00	Not Required	18.00	Not Required	21.0	96.10
		159	5795		18.00		18.00		21.0	
		149	5745		18.00		18.00		21.0	
	802.11ac-VHT20 MCS0	157	5785	Not Required	18.00	Not Required	18.00	Not Required	21.0	96.20
		165	5825		18.00		18.00		21.0	
		151	5755		18.00		18.00		21.0	
	802.11ac-VHT40 MCS0	159	5795	Not Required	18.00	Not Required	18.00	Not Required	21.0	93.70
		155	5775		18.00		18.00		21.0	
	802.11ac-VHT80 MCS0	149	5745	Not Required	18.00	Not Required	18.00	Not Required	21.0	88.00
		157	5785		18.00		18.00		21.0	
	802.11ax-HE20 MCS0	165	5825	Not Required	18.00	Not Required	18.00	Not Required	21.0	95.80
		151	5755		18.00		18.00		21.0	
	802.11ax-HE40 MCS0	159	5795	Not Required	18.00	Not Required	18.00	Not Required	21.0	92.40
		155	5775		18.00		18.00		21.0	
	802.11ax-HE80 MCS0	155	5775	Not Required	18.00	Not Required	18.00	Not Required	21.0	86.20



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	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	13.15	13.50	12.65	13.50	15.92	16.5	98.90
		6	2437	13.35	13.50	13.15	13.50	16.26	16.5	
		11	2462	13.35	13.50	12.85	13.50	16.12	16.5	
		12	2467	13.25	13.50	13.10	13.50	16.19	16.5	
		13	2472	13.35	13.50	13.05	13.50	16.21	16.5	
	802.11g 6Mbps	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	93.40
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			
	802.11n-HT20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	93.00
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			
	802.11ac-VHT20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	87.30
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			
	802.11ax-HE20 MCS0	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.5	95.40
		6	2437		13.50		16.5			
		11	2462		13.50		16.5			
		12	2467		13.50		16.5			
		13	2472		13.50		16.5			

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	14.00	Not Required	14.00	Not Required	17.0	93.10	
		40	5200		14.00		14.00		17.0		
		44	5220		14.00		14.00		17.0		
		48	5240		14.00		14.00		17.0		
	802.11n-HT20 MCS0	36	5180		14.00		14.00		17.0	92.80	
		40	5200		14.00		14.00		17.0		
		44	5220		14.00		14.00		17.0		
		48	5240		14.00		14.00		17.0		
	802.11n-HT40 MCS0	38	5190		14.00		14.00		17.0	96.10	
		46	5230		14.00		14.00		17.0		
		36	5180		14.00		14.00		17.0		
		40	5200		14.00		14.00		17.0		
	802.11ac-VHT20 MCS0	44	5220		14.00		14.00		17.0	96.20	
		48	5240		14.00		14.00		17.0		
		38	5190		14.00		14.00		17.0		
		46	5230		14.00		14.00		17.0		
	802.11ac-VHT40 MCS0	46	5230		14.00		14.00		17.0	93.70	
		42	5210		14.00		13.55		14.00		16.79
	802.11ax-HE20 MCS0	36	5180		14.00		14.00		17.0	95.80	
		40	5200		14.00		14.00		17.0		
		44	5220		14.00		14.00		17.0		
		48	5240		Not Required		14.00		Not Required		14.00
	802.11ax-HE40 MCS0	38	5190		14.00		14.00		17.0	92.40	
		46	5230		14.00		14.00		17.0		
802.11ax-HE80 MCS0	42	5210	14.00	14.00	17.0	86.20					

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
5.3GHz WLAN	802.11a 6Mbps	52	5260		15.50		15.50		18.5	93.10				
		56	5280		15.50		15.50							
		60	5300		15.50		15.50							
		64	5320		15.50		15.50							
	802.11n-HT20 MCS0	52	5260		15.50		15.50		18.5	92.80				
		56	5280		15.50		15.50							
		60	5300		15.50		15.50							
		64	5320		15.50		15.50							
	802.11n-HT40 MCS0	54	5270	Not Required	15.50	Not Required	15.50	Not Required	18.5	96.10				
		62	5310		15.50		15.50							
		52	5260		15.50		15.50							
		56	5280		15.50		15.50							
	802.11ac-VHT20 MCS0	60	5300		15.50		15.50		18.5	96.20				
		64	5320		15.50		15.50							
		54	5270		15.50		15.50							
		62	5310		15.50		15.50							
	802.11ac-VHT40 MCS0	54	5270		15.50		15.50		18.5	93.70				
	62	5310	15.50		15.50									
	802.11ac-VHT80 MCS0	58	5290		15.40		15.50		15.45		15.50	18.44	18.5	88.00
	802.11ac-VHT160 MCS0	50	5250		15.10		15.50		15.14		15.50	18.29	18.5	86.90
	802.11ax-HE20 MCS0	52	5260		15.50		15.50		18.5	95.80				
		56	5280		15.50		15.50							
		60	5300		15.50		15.50							
		64	5320		Not Required		15.50		Not Required		15.50	Not Required	18.5	
	802.11ax-HE40 MCS0	54	5270		15.50		15.50		18.5	92.40				
62		5310	15.50		15.50									
802.11ax-HE80 MCS0		58	5290		15.50		15.50							
802.11ax-HE160 MCS0		50	5250		15.50		15.50		15.05		15.50	18.29	18.5	85.00

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	16.00	Not Required	16.00	Not Required	19.0	93.10	
		116	5580		17.00		17.00		20.0		
		124	5620		17.00		17.00		20.0		
		132	5660		17.00		17.00		20.0		
		144	5720		17.00		17.00		20.0		
	802.11n-HT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	Not Required	19.0	92.80	
		116	5580		17.00		17.00		20.0		
		124	5620		17.00		17.00		20.0		
		132	5660		17.00		17.00		20.0		
		144	5720		17.00		17.00		20.0		
	802.11n-HT40 MCS0	102	5510	16.90	17.00	16.95	17.00	19.94	20.0	96.10	
		110	5550		16.80		17.00		19.89		20.0
		126	5630		16.60		17.00		19.69		20.0
		134	5670		16.90		17.00		19.84		20.0
		142	5710		17.00		16.55		19.79		20.0
	802.11ac-VHT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	Not Required	19.0	96.20	
		116	5580		17.00		17.00		20.0		
		124	5620		17.00		17.00		20.0		
		132	5660		17.00		17.00		20.0		
		144	5720		17.00		17.00		20.0		
	802.11ac-VHT40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.0	93.70	
		110	5550		17.00		17.00		20.0		
		126	5630		17.00		17.00		20.0		
		134	5670		17.00		17.00		20.0		
		142	5710		17.00		17.00		20.0		
	802.11ac-VHT80 MCS0	106	5530	16.00	16.50	15.95	16.50	18.99	19.5	88.00	
		122	5610		16.80		17.00		19.69		20.0
		138	5690		17.00		16.65		19.84		20.0
	802.11ax-VHT160 MCS0	114	5570	16.00	16.50	16.00	16.50	19.5	19.5	86.90	
		100	5500		16.00		16.00		19.0		
		116	5580		17.00		17.00		20.0		
	802.11ax-HE20 MCS0	124	5620	17.00	17.00	17.00	17.00	20.0	20.0	95.80	
		132	5660		17.00		17.00		20.0		
		144	5720		17.00		17.00		20.0		
		102	5510		17.00		17.00		20.0		
		110	5550		17.00		17.00		20.0		
	802.11ax-HE40 MCS0	126	5630	Not Required	17.00	Not Required	17.00	Not Required	20.0	92.40	
		134	5670		17.00		17.00		20.0		
		142	5710		17.00		17.00		20.0		
		106	5530		16.50		16.50		19.5		
		122	5610		17.00		17.00		20.0		
	802.11ax-HE80 MCS0	138	5690	17.00	17.00	17.00	17.00	20.0	20.0	86.20	
114		5570	16.50		16.50		19.5		85.00		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.50	Not Required	15.50	Not Required	18.5	93.10
		157	5785		15.50		15.50		18.5	
		165	5825		15.50		15.50		18.5	
	802.11n-HT20 MCS0	149	5745	Not Required	15.50	Not Required	15.50	Not Required	18.5	92.80
		157	5785		15.50		15.50		18.5	
		165	5825		15.50		15.50		18.5	
	802.11n-HT40 MCS0	151	5755	Not Required	15.50	Not Required	15.50	Not Required	18.5	96.10
		159	5795		15.50		15.50		18.5	
		149	5745		15.50		15.50		18.5	
	802.11ac-VHT20 MCS0	157	5785	Not Required	15.50	Not Required	15.50	Not Required	18.5	96.20
		165	5825		15.50		15.50		18.5	
		151	5755		15.50		15.50		18.5	
	802.11ac-VHT40 MCS0	151	5755	Not Required	15.50	Not Required	15.50	Not Required	18.5	93.70
		159	5795		15.50		15.50		18.5	
		155	5775		15.30		15.00		18.16	
	802.11ax-HE20 MCS0	149	5745	Not Required	15.50	Not Required	15.50	Not Required	18.5	95.80
		157	5785		15.50		15.50		18.5	
		165	5825		15.50		15.50		18.5	
	802.11ax-HE40 MCS0	151	5755	Not Required	15.50	Not Required	15.50	Not Required	18.5	92.40
		159	5795		15.50		15.50		18.5	
		155	5775		15.50		15.50		18.5	



5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
Mode	Channel	Frequency (MHz)	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	15.50	Not Required	15.50	Not Required	18.5	93.10
		40	5200		15.50		15.50		18.5	
		44	5220		15.50		15.50		18.5	
		48	5240		15.50		15.50		18.5	
	802.11n-HT20 MCS0	36	5180	Not Required	15.50	Not Required	15.50	Not Required	18.5	92.80
		40	5200		15.50		15.50		18.5	
		44	5220		15.50		15.50		18.5	
		48	5240		15.50		15.50		18.5	
	802.11n-HT40 MCS0	38	5190	15.30	15.50	15.20	15.50	18.26	18.5	96.10
		46	5230	15.20	15.50	15.05	15.50	18.14	18.5	
	802.11ac-VHT20 MCS0	36	5180	Not Required	15.50	Not Required	15.50	Not Required	18.5	96.20
		40	5200		15.50		15.50		18.5	
		44	5220		15.50		15.50		18.5	
		48	5240		15.50		15.50		18.5	
	802.11ac-VHT40 MCS0	38	5190	Not Required	15.50	Not Required	15.50	Not Required	18.5	93.70
		46	5230		15.50		15.50		18.5	
	802.11ac-VHT80 MCS0	42	5210	Not Required	15.00	Not Required	15.00	Not Required	18.0	88.00
		36	5180		15.50		15.50		18.5	
	802.11ax-HE20 MCS0	40	5200	Not Required	15.50	Not Required	15.50	Not Required	18.5	95.80
		44	5220		15.50		15.50		18.5	
		48	5240		15.50		15.50		18.5	
		38	5190		15.50		15.50		18.5	
	802.11ax-HE40 MCS0	46	5230	Not Required	15.50	Not Required	15.50	Not Required	18.5	92.40
		42	5210		15.00		15.00		18.0	

	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
5.3GHz WLAN	802.11a 6Mbps	52	5280	Not Required	16.50	Not Required	16.50	Not Required	19.5	93.10				
		56	5280		16.50		16.50		19.5					
		60	5300		16.50		16.50		19.5					
		64	5320		16.50		16.50		19.5					
	802.11n-HT20 MCS0	52	5280	Not Required	16.50	Not Required	16.50	Not Required	19.5	92.80				
		56	5280		16.50		16.50		19.5					
		60	5300		16.50		16.50		19.5					
		64	5320		16.50		16.50		19.5					
	802.11n-HT40 MCS0	54	5270	15.90	16.50	15.80	16.50	18.86	19.5	96.10				
		62	5310	15.60	16.00	15.75	16.00	18.69	19.0					
	802.11ac-VHT20 MCS0	52	5280	Not Required	16.50	Not Required	16.50	Not Required	19.5	96.20				
		56	5280		16.50		16.50		19.5					
		60	5300		16.50		16.50		19.5					
		64	5320		16.50		16.50		19.5					
	802.11ac-VHT40 MCS0	54	5270	Not Required	16.50	Not Required	16.50	Not Required	19.5	93.70				
		62	5310		16.00		16.00		19.0					
	802.11ac-VHT80 MCS0	58	5290	Not Required	16.00	Not Required	16.00	Not Required	19.0	88.00				
	802.11ax-VHT160 MCS0	50	5250		15.50		15.50		18.5					
	802.11ax-HE20 MCS0	52	5280		Not Required		16.50		Not Required		16.50	Not Required	19.5	95.80
		56	5280				16.50				16.50		19.5	
		60	5300	16.50		16.50	19.5							
		64	5320	16.50		16.50	19.5							
	802.11ax-HE40 MCS0	54	5270	Not Required	16.50	Not Required	16.50	Not Required	19.5	92.40				
		62	5310		16.00		16.00		19.0					
	802.11ax-HE80 MCS0	58	5290	Not Required	16.00	Not Required	16.00	Not Required	19.0	85.00				
	802.11ax-HE160 MCS0	50	5250		16.00		16.00		19.0					



	5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	16.00	Not Required	16.00	19.0	93.10		
		116	5580		17.00		17.00	20.0			
		124	5620		17.00		17.00	20.0			
		132	5660		17.00		17.00	20.0			
		144	5720		17.00		17.00	20.0			
	802.11n-HT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	19.0	92.80		
		116	5580		17.00		17.00	20.0			
		124	5620		17.00		17.00	20.0			
		132	5660		17.00		17.00	20.0			
		144	5720		17.00		17.00	20.0			
	802.11n-HT40 MCS0	102	5510	16.90	17.00	16.95	17.00	19.94	20.0	96.10	
		110	5550	16.80	17.00	16.95	17.00	19.89	20.0		
		126	5630	16.60	17.00	16.75	17.00	19.69	20.0		
		134	5670	16.90	17.00	16.75	17.00	19.84	20.0		
		142	5710	17.00	17.00	16.55	17.00	19.79	20.0		
	802.11ac-VHT20 MCS0	100	5500	Not Required	16.00	Not Required	16.00	19.0	96.20		
		116	5580		17.00		17.00	20.0			
		124	5620		17.00		17.00	20.0			
		132	5660		17.00		17.00	20.0			
		144	5720		17.00		17.00	20.0			
	802.11ac-VHT40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	20.0	93.70		
		110	5550		17.00		17.00	20.0			
		126	5630		17.00		17.00	20.0			
		134	5670		17.00		17.00	20.0			
		142	5710		17.00		17.00	20.0			
	802.11ac-VHT80 MCS0	106	5530	16.00	16.50	15.95	16.50	18.99	19.5	88.00	
		122	5610	16.80	17.00	16.55	17.00	19.69	20.0		
		138	5690	17.00	17.00	16.65	17.00	19.84	20.0		
	802.11ax-VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	19.5	86.90		
		190	5500		16.00		16.00	19.0			
		116	5580		17.00		17.00	20.0			
		124	5620		17.00		17.00	20.0			
		132	5660		17.00		17.00	20.0			
	802.11ax-HE20 MCS0	102	5510	Not Required	17.00	Not Required	17.00	20.0	95.80		
		110	5550		17.00		17.00	20.0			
		124	5620		17.00		17.00	20.0			
		132	5660		17.00		17.00	20.0			
		144	5720		17.00		17.00	20.0			
	802.11ax-HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	20.0	92.40		
		110	5550		17.00		17.00	20.0			
		126	5630		17.00		17.00	20.0			
		134	5670		17.00		17.00	20.0			
142		5710	17.00		17.00		20.0				
802.11ax-HE80 MCS0	106	5530	Not Required	16.50	Not Required	16.50	19.5	86.20			
	122	5610		17.00		17.00	20.0				
	138	5690		17.00		17.00	20.0				
802.11ax-HE160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	19.5	85.00			
5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)			Ant 4+3		Duty Cycle
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.50	Not Required	15.50	18.5	93.10		
		157	5785		15.50		15.50	18.5			
		165	5825		15.50		15.50	18.5			
	802.11n-HT20 MCS0	149	5745	Not Required	15.50	Not Required	15.50	18.5	92.80		
		157	5785		15.50		15.50	18.5			
		165	5825		15.50		15.50	18.5			
	802.11n-HT40 MCS0	151	5755	Not Required	15.50	Not Required	15.50	18.5	96.10		
		159	5795		15.50		15.50	18.5			
		149	5745		15.50		15.50	18.5			
	802.11ac-VHT20 MCS0	157	5785	Not Required	15.50	Not Required	15.50	18.5	96.20		
		165	5825		15.50		15.50	18.5			
		151	5755		15.50		15.50	18.5			
	802.11ac-VHT40 MCS0	159	5795	Not Required	15.50	Not Required	15.50	18.5	93.70		
		155	5775		15.50		15.50	18.5			
		149	5745		15.50		15.50	18.5			
	802.11ax-HE20 MCS0	157	5785	Not Required	15.50	Not Required	15.50	18.5	95.80		
		165	5825		15.50		15.50	18.5			
		151	5755		15.50		15.50	18.5			
	802.11ax-HE40 MCS0	159	5795	Not Required	15.50	Not Required	15.50	18.5	92.40		
		155	5775		15.50		15.50	18.5			
		149	5745		15.50		15.50	18.5			
	802.11ax-HE80 MCS0	157	5785	Not Required	15.50	Not Required	15.50	18.5	86.20		
		165	5825		15.50		15.50	18.5			
		151	5755		15.50		15.50	18.5			

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	13.00	13.50	13.50	13.50	16.27	16.50	91.30
		47	6185	12.70	13.50	13.40	13.50	16.07	16.50	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	13.00	13.50	13.50	13.50	16.27	16.50	91.30
		47	6185	12.70	13.50	13.40	13.50	16.07	16.50	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	13.00	13.50	13.50	13.50	16.27	16.50	91.30
		47	6185	12.70	13.50	13.40	13.50	16.07	16.50	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)			Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	11.40	12.00	12.00	12.00	14.66	15.00	91.30
		47	6185	11.20	12.00	12.00	12.00	14.68	15.00	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	11.40	12.00	12.00	12.00	14.66	15.00	91.30
		47	6185	11.20	12.00	12.00	12.00	14.68	15.00	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	11.40	12.00	12.00	12.00	14.66	15.00	91.30
		47	6185	11.20	12.00	12.00	12.00	14.68	15.00	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	11.40	12.00	12.00	12.00	14.66	15.00	91.30
		47	6185	11.20	12.00	12.00	12.00	14.68	15.00	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	11.40	12.00	12.00	12.00	14.66	15.00	91.30
		47	6185	11.20	12.00	12.00	12.00	14.68	15.00	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)			Ant 4+3(3)		Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	11.40	12.00	12.00	12.00	14.66	15.00	91.30
		47	6185	11.20	12.00	12.00	12.00	14.68	15.00	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

WIFI 6E			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WIFI 6E	802.11ax-HE20 MCS0	1	5955	4.60	5.50	4.60	5.50	7.61	8.50	95.40
		57	6235	3.80	5.50	4.30	5.50	7.07	8.50	
		113	6515	3.20	3.50	2.70	3.50	5.97	6.50	
		173	6815	2.80	3.50	2.80	3.50	5.81	6.50	
		233	7115	4.10	5.00	4.10	5.00	7.11	8.00	
	802.11ax-HE40 MCS0	3	5965	6.50	7.00	6.40	7.00	9.46	10.00	92.40
		59	6245	6.70	7.00	6.90	7.00	9.91	10.00	
		107	6485	6.10	7.00	6.00	7.00	9.06	10.00	
		171	6805	6.20	7.00	6.10	7.00	9.16	10.00	
		227	7085	5.70	6.50	6.10	6.50	8.91	9.50	
	802.11ax-HE80 MCS0	7	5985	10.20	11.00	10.80	11.00	13.52	14.00	86.20
		71	6305	9.70	11.00	10.40	11.00	13.70	14.00	
		119	6545	9.40	9.50	8.30	9.50	11.90	12.50	
		167	6785	8.70	9.50	9.00	9.50	11.86	12.50	
		215	7025	9.80	10.50	9.90	10.50	12.86	13.50	
	802.11ax-HE160 MCS0	15	6025	11.40	12.00	12.00	12.00	14.66	15.00	91.30
		47	6185	11.20	12.00	12.00	12.00	14.68	15.00	
		111	6505	11.70	12.00	11.90	12.00	14.81	15.00	
		175	6825	11.40	12.00	11.60	12.00	14.51	15.00	
		207	6985	12.30	12.50	12.50	12.50	15.41	15.50	

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.00	17.32	16.53
	CH 39	2441	19.56	17.86	16.85
	CH 78	2480	19.44	17.84	16.81
Tune-up Limit			20.50	18.00	17.00

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.50	17.67	16.38
	CH 39	2441	19.78	17.82	16.43
	CH 78	2480	19.65	17.79	16.41
Tune-up Limit			20.50	18.00	17.00

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.95	19.05
	CH 19	2440	19.05	19.15
	CH 39	2480	18.85	18.95
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.95	19.05
	CH 19	2440	19.45	19.55
	CH 39	2480	18.95	18.75
Tune-up Limit			20.00	20.00

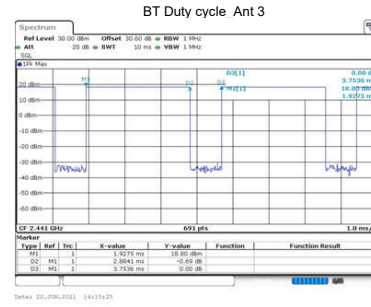
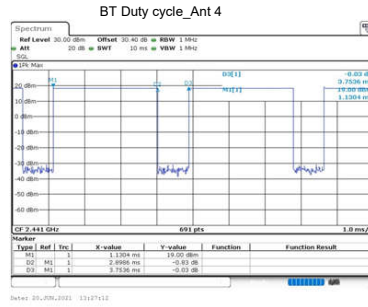
Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	16.50	16.99	19.76	14.30	14.47	17.40	14.34	14.48	17.42
	CH 39	2441	16.90	17.11	20.02	14.70	14.72	17.72	14.72	14.74	17.74
	CH 78	2480	16.92	17.14	20.04	14.73	14.77	17.76	14.78	14.79	17.80
Tune-up Limit			17.50	17.50	20.50	15.00	15.00	18.00	15.00	15.00	18.00

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.13	11.10	11.12
	CH 39	2441	11.55	11.54	11.30
	CH 78	2480	11.34	11.22	11.28
Tune-up Limit			12.00	12.00	12.00

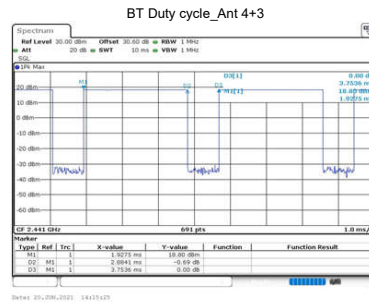
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.50	11.49	11.47
	CH 39	2441	11.63	11.52	11.60
	CH 78	2480	11.57	11.55	11.50
Tune-up Limit			12.00	12.00	12.00

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	11.09	11.07
	CH 19	2440	11.48	11.48
	CH 39	2480	11.31	11.19
Tune-up Limit			12.00	12.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	11.47	11.43
	CH 19	2440	11.60	11.57
	CH 39	2480	11.55	11.46
Tune-up Limit			12.00	12.00



Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	11.44	11.83	14.65	11.40	11.80	14.50	11.33	11.75	14.57
	CH 39	2441	11.77	11.91	14.85	11.72	11.90	14.76	11.54	11.88	14.77
	CH 78	2480	11.83	11.94	14.89	11.81	11.88	14.74	11.79	11.86	14.70
Tune-up Limit			12.00	12.00	15.0	12.00	12.00	15.00	12.00	12.00	15.00



Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.00	17.32	16.53
	CH 39	2441	19.56	17.86	16.85
	CH 78	2480	19.44	17.84	16.81
Tune-up Limit			20.50	18.00	17.00

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.50	17.67	16.38
	CH 39	2441	19.78	17.82	16.43
	CH 78	2480	19.65	17.79	16.41
Tune-up Limit			20.50	18.00	17.00

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.95	19.05
	CH 19	2440	19.05	19.15
	CH 39	2480	18.85	18.95
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.95	19.05
	CH 19	2440	19.45	19.55
	CH 39	2480	18.95	18.75
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	16.50	16.99	19.76	14.30	14.47	17.40	14.34	14.48	17.42
	CH 39	2441	16.90	17.11	20.02	14.70	14.72	17.72	14.72	14.74	17.74
	CH 78	2480	16.92	17.14	20.04	14.73	14.77	17.76	14.78	14.79	17.80
Tune-up Limit			17.50	17.50	20.50	15.00	15.00	18.00	15.00	15.00	18.00

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.00	17.32	16.53
	CH 39	2441	19.56	17.86	16.85
	CH 78	2480	19.44	17.84	16.81
Tune-up Limit			20.50	18.00	17.00

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.50	17.67	16.38
	CH 39	2441	19.78	17.82	16.43
	CH 78	2480	19.65	17.79	16.41
Tune-up Limit			20.50	18.00	17.00

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.95	19.05
	CH 19	2440	19.05	19.15
	CH 39	2480	18.85	18.95
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.95	19.05
	CH 19	2440	19.45	19.55
	CH 39	2480	18.95	18.75
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	16.50	16.99	19.76	14.30	14.47	17.40	14.34	14.48	17.42
	CH 39	2441	16.90	17.11	20.02	14.70	14.72	17.72	14.72	14.74	17.74
	CH 78	2480	16.92	17.14	20.04	14.73	14.77	17.76	14.78	14.79	17.80
Tune-up Limit			17.50	17.50	20.50	15.00	15.00	18.00	15.00	15.00	18.00

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	17.25	17.21	16.23
	CH 39	2441	17.46	17.44	16.41
	CH 78	2480	17.72	17.55	16.62
Tune-up Limit			18.00	18.00	17.00

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	15.43	15.40	15.39
	CH 39	2441	15.70	15.66	15.68
	CH 78	2480	15.62	15.59	15.57
Tune-up Limit			16.00	16.00	16.00

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	17.20	17.19
	CH 19	2440	17.44	17.39
	CH 39	2480	17.69	17.50
Tune-up Limit			18.00	18.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	15.40	15.37
	CH 19	2440	15.65	15.60
	CH 39	2480	15.60	15.52
Tune-up Limit			16.00	16.00

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	13.44	13.93	16.70	13.41	13.91	16.68	13.39	13.89	16.64
	CH 39	2441	13.90	14.00	16.96	13.88	13.98	16.91	13.87	13.95	16.90
	CH 78	2480	13.94	14.06	17.01	13.90	14.02	16.98	13.92	14.00	16.98
Tune-up Limit			14.50	14.50	17.50	14.50	14.50	17.50	14.50	14.50	17.50