

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	32.91	32.84	32.82	34.00	23.91	23.84	23.82	25.00
GPRS 1 Tx slot	32.92	32.86	32.84	34.00	23.92	23.86	23.84	25.00
GPRS 2 Tx slots	31.46	31.47	31.49	32.50	25.46	25.47	25.49	26.50
GPRS 3 Tx slots	30.06	29.81	30.07	31.50	25.80	25.55	25.81	27.24
GPRS 4 Tx slots	28.60	28.78	28.80	30.50	25.60	25.78	25.80	27.50
EDGE 1 Tx slot	27.28	27.37	27.43	28.00	18.28	18.37	18.43	19.00
EDGE 2 Tx slots	26.53	26.85	26.84	27.50	20.53	20.85	20.84	21.50
EDGE 3 Tx slots	26.52	26.61	26.56	27.50	22.26	22.35	22.30	23.24
EDGE 4 Tx slots	24.16	24.28	24.21	25.50	21.16	21.28	21.21	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	29.50	29.53	29.41	31.00	20.50	20.53	20.41	22.00
GPRS 1 Tx slot	29.52	29.57	29.48	31.00	20.52	20.57	20.48	22.00
GPRS 2 Tx slots	27.88	27.84	27.73	29.50	21.88	21.84	21.73	23.50
GPRS 3 Tx slots	27.19	27.16	27.04	29.00	22.93	22.90	22.78	24.74
GPRS 4 Tx slots	26.10	26.05	26.01	28.00	23.10	23.05	23.01	25.00
EDGE 1 Tx slot	24.39	24.36	24.48	26.00	15.39	15.36	15.48	17.00
EDGE 2 Tx slots	23.22	23.08	23.30	25.00	17.22	17.08	17.30	19.00
EDGE 3 Tx slots	23.10	23.03	23.15	25.00	18.84	18.77	18.89	20.74
EDGE 4 Tx slots	22.11	22.01	22.16	24.00	19.11	19.01	19.16	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	29.50	29.53	29.41	31.00	20.50	20.53	20.41	22.00
GPRS 1 Tx slot	29.52	29.57	29.48	31.00	20.52	20.57	20.48	22.00
GPRS 2 Tx slots	27.88	27.84	27.73	28.10	21.88	21.84	21.73	22.10
GPRS 3 Tx slots	25.82	25.91	26.05	26.30	21.56	21.65	21.79	22.04
GPRS 4 Tx slots	24.99	24.98	25.07	25.10	21.99	21.98	22.07	22.10
EDGE 1 Tx slot	22.45	22.64	22.72	22.80	13.45	13.64	13.72	13.80
EDGE 2 Tx slots	22.10	21.96	22.15	22.30	16.10	15.96	16.15	16.30
EDGE 3 Tx slots	22.15	22.01	22.19	22.30	17.89	17.75	17.93	18.04
EDGE 4 Tx slots	20.13	20.21	20.08	20.30	17.13	17.21	17.08	17.30

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	28.49	28.63	28.54	30.20	19.49	19.63	19.54	21.20
GPRS 1 Tx slot	28.50	28.64	28.55	30.20	19.50	19.64	19.55	21.20
GPRS 2 Tx slots	26.77	26.88	27.03	28.70	20.77	20.88	21.03	22.70
GPRS 3 Tx slots	25.82	25.91	26.05	27.70	21.56	21.65	21.79	23.44
GPRS 4 Tx slots	24.99	24.98	25.07	26.30	21.99	21.98	22.07	23.30
EDGE 1 Tx slot	22.45	22.64	22.72	24.20	13.45	13.64	13.72	15.20
EDGE 2 Tx slots	22.10	21.96	22.15	23.70	16.10	15.96	16.15	17.70
EDGE 3 Tx slots	22.15	22.01	22.19	23.70	17.89	17.75	17.93	19.44
EDGE 4 Tx slots	20.13	20.21	20.08	21.70	17.13	17.21	17.08	18.70

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	29.50	29.53	29.41	31.00	20.50	20.53	20.41	22.00
GPRS 1 Tx slot	29.52	29.57	29.48	31.00	20.52	20.57	20.48	22.00
GPRS 2 Tx slots	27.88	27.84	27.73	28.10	21.88	21.84	21.73	22.10
GPRS 3 Tx slots	25.82	25.91	26.05	26.30	21.56	21.65	21.79	22.04
GPRS 4 Tx slots	24.99	24.98	25.07	26.30	21.99	21.98	22.07	23.30
EDGE 1 Tx slot	22.45	22.64	22.72	22.80	13.45	13.64	13.72	13.80
EDGE 2 Tx slots	22.10	21.96	22.15	22.30	16.10	15.96	16.15	16.30
EDGE 3 Tx slots	22.15	22.01	22.19	22.30	17.89	17.75	17.93	18.04
EDGE 4 Tx slots	20.13	20.21	20.08	20.30	17.13	17.21	17.08	17.30

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	32.44	32.47	32.45	34.00	23.44	23.47	23.45	25.00
GPRS 1 Tx slot	32.51	32.49	32.47	34.00	23.51	23.49	23.47	25.00
GPRS 2 Tx slots	30.62	30.77	30.76	32.00	24.62	24.77	24.76	26.00
GPRS 3 Tx slots	28.92	28.90	28.98	30.70	24.66	24.64	24.72	26.44
GPRS 4 Tx slots	27.68	27.61	27.85	29.50	24.68	24.61	24.85	26.50
EDGE 1 Tx slot	26.11	26.12	26.15	27.70	17.11	17.12	17.15	18.70
EDGE 2 Tx slots	25.57	25.49	25.55	27.30	19.57	19.49	19.55	21.30
EDGE 3 Tx slots	25.46	25.42	25.40	27.20	21.20	21.16	21.14	22.94
EDGE 4 Tx slots	23.09	23.21	23.26	24.90	20.09	20.21	20.26	21.90

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	28.83	28.81	28.85	30.80	19.83	19.81	19.85	21.80
GPRS 1 Tx slot	28.84	28.86	28.88	30.80	19.84	19.86	19.88	21.80
GPRS 2 Tx slots	26.88	27.07	27.23	28.70	20.88	21.07	21.23	22.70
GPRS 3 Tx slots	26.09	26.53	26.39	27.50	21.83	22.27	22.13	23.24
GPRS 4 Tx slots	25.08	25.25	25.29	26.20	22.08	22.25	22.29	23.20
EDGE 1 Tx slot	23.80	23.81	24.01	25.40	14.80	14.81	15.01	16.40
EDGE 2 Tx slots	22.63	22.92	22.80	24.30	16.63	16.92	16.80	18.30
EDGE 3 Tx slots	22.35	22.60	22.53	24.10	18.09	18.34	18.27	19.84
EDGE 4 Tx slots	21.20	21.36	21.49	22.80	18.20	18.36	18.49	19.80

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	32.44	32.47	32.45	34.00	23.44	23.47	23.45	25.00
GPRS 1 Tx slot	32.51	32.49	32.47	34.00	23.51	23.49	23.47	25.00
GPRS 2 Tx slots	30.62	30.77	30.76	32.00	24.62	24.77	24.76	26.00
GPRS 3 Tx slots	28.92	28.90	28.98	30.70	24.66	24.64	24.72	26.44
GPRS 4 Tx slots	27.68	27.61	27.85	29.50	24.68	24.61	24.85	26.50
EDGE 1 Tx slot	26.11	26.12	26.15	27.70	17.11	17.12	17.15	18.70
EDGE 2 Tx slots	25.57	25.49	25.55	27.30	19.57	19.49	19.55	21.30
EDGE 3 Tx slots	25.46	25.42	25.40	27.20	21.20	21.16	21.14	22.94
EDGE 4 Tx slots	23.09	23.21	23.26	24.90	20.09	20.21	20.26	21.90

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	32.44	32.47	32.45	34.00	23.44	23.47	23.45	25.00
GPRS 1 Tx slot	32.51	32.49	32.47	34.00	23.51	23.49	23.47	25.00
GPRS 2 Tx slots	30.62	30.77	30.76	31.70	24.62	24.77	24.76	25.70
GPRS 3 Tx slots	28.92	28.90	28.98	29.80	24.66	24.64	24.72	25.54
GPRS 4 Tx slots	27.68	27.61	27.85	28.80	24.68	24.61	24.85	25.80
EDGE 1 Tx slot	26.11	26.12	26.15	27.00	17.11	17.12	17.15	18.00
EDGE 2 Tx slots	25.57	25.49	25.55	26.60	19.57	19.49	19.55	20.60
EDGE 3 Tx slots	25.46	25.42	25.40	26.50	21.20	21.16	21.14	22.24
EDGE 4 Tx slots	23.09	23.21	23.26	24.20	20.09	20.21	20.26	21.20

GSM850	Ant 1							
	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.47	32.45	33.30	23.44	23.47	23.45	24.30
GPRS 1 Tx slot	32.51	32.49	32.47	33.30	23.51	23.49	23.47	24.30
GPRS 2 Tx slots	30.62	30.77	30.76	31.30	24.62	24.77	24.76	25.30
GPRS 3 Tx slots	28.92	28.90	28.98	30.00	24.66	24.64	24.72	25.74
GPRS 4 Tx slots	27.68	27.61	27.85	28.80	24.68	24.61	24.85	25.80
EDGE 1 Tx slot	26.11	26.12	26.15	27.00	17.11	17.12	17.15	18.00
EDGE 2 Tx slots	25.57	25.49	25.55	26.60	19.57	19.49	19.55	20.60
EDGE 3 Tx slots	25.46	25.42	25.40	26.50	21.20	21.16	21.14	22.24
EDGE 4 Tx slots	23.09	23.21	23.26	24.20	20.09	20.21	20.26	21.20

		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)	ANT 0			Tune-up Limit (dBm)
Band		WCDMA II				WCDMA IV				WCDMA V			
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	24.01	23.88	23.85	25.25	23.91	23.84	23.84	25.25	23.92	23.95	23.96	25.40
3GPP Rel 99	RMC 12.2Kbps	24.03	23.90	23.90	25.25	23.95	23.89	23.87	25.25	23.97	23.99	23.98	25.40
3GPP Rel 6	HSDPA Subtest-1	24.02	23.90	23.92	25.25	23.94	23.93	23.92	25.25	23.95	23.94	23.96	25.40
3GPP Rel 6	HSDPA Subtest-2	24.02	23.92	23.90	25.25	23.32	23.94	23.92	25.25	23.94	23.97	23.98	25.40
3GPP Rel 6	HSDPA Subtest-3	23.74	23.59	23.60	24.75	23.62	23.63	23.60	24.75	23.65	23.65	23.64	24.90
3GPP Rel 6	HSDPA Subtest-4	23.18	23.09	23.07	24.75	22.81	23.58	23.58	24.75	23.16	23.17	23.18	24.90
3GPP Rel 6	HSUPA Subtest-1	23.31	23.33	23.32	25.25	23.33	23.32	23.33	25.25	23.40	23.41	23.41	25.40
3GPP Rel 6	HSUPA Subtest-2	22.79	22.66	22.67	24.25	22.72	22.67	22.67	24.25	22.61	22.65	22.66	24.40
3GPP Rel 6	HSUPA Subtest-3	23.04	22.92	22.90	24.25	23.02	22.98	22.97	24.25	23.05	23.05	23.07	24.40
3GPP Rel 6	HSUPA Subtest-4	22.83	22.69	22.68	24.25	22.73	22.68	22.66	24.25	22.63	22.65	22.71	24.40
3GPP Rel 6	HSUPA Subtest-5	24.00	23.80	23.80	25.25	23.90	23.80	23.80	25.25	23.90	23.90	23.90	25.40

		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)
Band		WCDMA II				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	22.96	22.84	22.84	23.40	22.43	22.35	22.47	23.00
3GPP Rel 99	RMC 12.2Kbps	23.29	23.14	23.23	23.40	22.91	22.86	22.86	23.00
3GPP Rel 6	HSDPA Subtest-1	22.94	22.83	22.89	23.40	22.43	22.43	22.55	23.00
3GPP Rel 6	HSDPA Subtest-2	22.89	22.86	22.90	23.40	22.48	22.42	22.52	23.00
3GPP Rel 6	HSDPA Subtest-3	22.91	22.83	22.80	23.40	22.46	22.42	22.51	23.00
3GPP Rel 6	HSDPA Subtest-4	22.88	22.87	22.93	23.40	22.49	22.39	22.55	23.00
3GPP Rel 6	HSUPA Subtest-1	22.89	22.78	22.82	23.40	22.45	22.43	22.40	23.00
3GPP Rel 6	HSUPA Subtest-2	21.89	21.82	21.82	22.40	21.40	21.36	21.30	22.00
3GPP Rel 6	HSUPA Subtest-3	21.93	21.85	21.83	22.40	21.43	21.26	21.34	22.00
3GPP Rel 6	HSUPA Subtest-4	21.89	21.81	21.85	22.40	21.42	21.30	21.30	22.00
3GPP Rel 6	HSUPA Subtest-5	22.90	22.80	22.90	23.40	22.50	22.48	22.41	23.00

		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)
Band		WCDMA II				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	22.96	22.84	22.84	24.60	22.43	22.35	22.47	24.20
3GPP Rel 99	RMC 12.2Kbps	23.29	23.14	23.23	24.60	22.91	22.86	22.86	24.20
3GPP Rel 6	HSDPA Subtest-1	22.94	22.83	22.89	24.60	22.43	22.43	22.55	23.80
3GPP Rel 6	HSDPA Subtest-2	22.89	22.86	22.90	24.60	22.48	22.42	22.52	23.80
3GPP Rel 6	HSDPA Subtest-3	22.91	22.83	22.80	24.60	22.46	22.42	22.51	23.80
3GPP Rel 6	HSDPA Subtest-4	22.88	22.87	22.93	24.60	22.49	22.39	22.55	23.80
3GPP Rel 6	HSUPA Subtest-1	22.89	22.78	22.82	24.60	22.45	22.43	22.40	23.80
3GPP Rel 6	HSUPA Subtest-2	21.89	21.82	21.82	23.60	21.40	21.36	21.30	22.80
3GPP Rel 6	HSUPA Subtest-3	21.93	21.85	21.83	23.60	21.43	21.26	21.34	22.80
3GPP Rel 6	HSUPA Subtest-4	21.89	21.81	21.85	23.60	21.42	21.30	21.30	22.80
3GPP Rel 6	HSUPA Subtest-5	22.90	22.80	22.90	24.60	22.50	22.48	22.41	23.80

		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)
Band		WCDMA II				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	22.96	22.84	22.84	24.60	22.43	22.35	22.47	23.80
3GPP Rel 99	RMC 12.2Kbps	23.29	23.14	23.23	24.60	22.91	22.86	22.86	23.80
3GPP Rel 6	HSDPA Subtest-1	22.94	22.83	22.89	24.60	22.43	22.43	22.55	23.80
3GPP Rel 6	HSDPA Subtest-2	22.89	22.86	22.90	24.60	22.48	22.42	22.52	23.80
3GPP Rel 6	HSDPA Subtest-3	22.91	22.83	22.80	24.60	22.46	22.42	22.51	23.80
3GPP Rel 6	HSDPA Subtest-4	22.88	22.87	22.93	24.60	22.49	22.39	22.55	23.80
3GPP Rel 6	HSUPA Subtest-1	22.89	22.78	22.82	24.60	22.45	22.43	22.40	23.80
3GPP Rel 6	HSUPA Subtest-2	21.89	21.82	21.82	23.60	21.40	21.36	21.30	22.80
3GPP Rel 6	HSUPA Subtest-3	21.93	21.85	21.83	23.60	21.43	21.26	21.34	22.80
3GPP Rel 6	HSUPA Subtest-4	21.89	21.81	21.85	23.60	21.42	21.30	21.30	22.80
3GPP Rel 6	HSUPA Subtest-5	22.90	22.80	22.90	24.60	22.50	22.48	22.41	23.80

		Ant 0			Tune-up Limit (dBm)	Ant 0			Tune-up Limit (dBm)	Ant 1			Tune-up Limit (dBm)
Band		WCDMA II				WCDMA IV				WCDMA V			
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.14	23.02	23.07	24.30	23.08	23.00	22.99	24.50	23.59	23.57	23.56	25.20
3GPP Rel 99	RMC 12.2Kbps	23.21	23.42	23.27	24.30	23.09	23.06	23.05	24.50	23.74	23.75	23.61	25.20
3GPP Rel 6	HSDPA Subtest-1	23.16	23.10	23.12	24.30	22.87	22.89	22.99	24.50	23.57	23.58	23.55	25.20
3GPP Rel 6	HSDPA Subtest-2	23.15	23.11	23.13	24.30	22.54	22.92	23.02	24.50	23.59	23.56	23.54	25.20
3GPP Rel 6	HSDPA Subtest-3	22.88	22.87	22.79	23.80	22.53	22.70	22.70	24.00	23.28	23.26	23.21	24.70
3GPP Rel 6	HSDPA Subtest-4	22.36	22.30	22.30	23.80	22.42	22.65	22.71	24.00	22.78	22.82	22.82	24.70
3GPP Rel 6	HSUPA Subtest-1	22.55	22.39	22.51	24.30	22.64	22.75	22.94	24.50	23.21	23.24	23.25	25.20
3GPP Rel 6	HSUPA Subtest-2	21.75	21.72	21.73	22.30	20.62	20.74	20.85	22.50	21.43	21.47	21.51	23.20
3GPP Rel 6	HSUPA Subtest-3	22.38	22.35	22.37	23.30	21.75	21.82	21.99	23.50	22.47	22.56	22.58	24.20
3GPP Rel 6	HSUPA Subtest-4	21.94	22.12	22.14	22.30	20.72	21.43	21.48	22.50	21.41	21.48	21.48	23.20
3GPP Rel 6	HSUPA Subtest-5	23.22	23.36	23.31	24.30	22.61	22.54	22.61	24.50	23.72	23.65	23.71	25.20

Band		Ant 1			Tune-up Limit (dBm)
		WCDMA V			
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.59	23.57	23.56	25.20
3GPP Rel 99	RMC 12.2Kbps	23.74	23.75	23.61	25.20
3GPP Rel 6	HSDPA Subtest-1	23.57	23.58	23.55	25.20
3GPP Rel 6	HSDPA Subtest-2	23.59	23.56	23.54	25.20
3GPP Rel 6	HSDPA Subtest-3	23.28	23.26	23.21	24.70
3GPP Rel 6	HSDPA Subtest-4	22.78	22.82	22.82	24.70
3GPP Rel 6	HSUPA Subtest-1	23.21	23.24	23.25	25.20
3GPP Rel 6	HSUPA Subtest-2	21.43	21.47	21.51	23.20
3GPP Rel 6	HSUPA Subtest-3	22.47	22.56	22.58	24.20
3GPP Rel 6	HSUPA Subtest-4	21.41	21.48	21.48	23.20
3GPP Rel 6	HSUPA Subtest-5	23.72	23.65	23.71	25.20

Band		Ant 1			Tune-up Limit (dBm)
		WCDMA V			
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.59	23.57	23.56	24.30
3GPP Rel 99	RMC 12.2Kbps	23.74	23.75	23.61	24.30
3GPP Rel 6	HSDPA Subtest-1	23.57	23.58	23.55	24.30
3GPP Rel 6	HSDPA Subtest-2	23.59	23.56	23.54	24.30
3GPP Rel 6	HSDPA Subtest-3	23.28	23.26	23.21	23.80
3GPP Rel 6	HSDPA Subtest-4	22.78	22.82	22.82	23.80
3GPP Rel 6	HSUPA Subtest-1	23.21	23.24	23.25	24.30
3GPP Rel 6	HSUPA Subtest-2	21.43	21.47	21.51	22.30
3GPP Rel 6	HSUPA Subtest-3	22.47	22.56	22.58	23.30
3GPP Rel 6	HSUPA Subtest-4	21.41	21.48	21.48	22.30
3GPP Rel 6	HSUPA Subtest-5	23.72	23.65	23.71	24.30

		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	22.31	22.28	22.23	23.10
3GPP Rel 99	RMC 12.2Kbps	22.53	22.34	22.41	23.10
3GPP Rel 6	HSDPA Subtest-1	22.26	22.28	22.26	23.10
3GPP Rel 6	HSDPA Subtest-2	22.27	22.27	22.25	23.10
3GPP Rel 6	HSDPA Subtest-3	22.31	22.20	22.26	23.10
3GPP Rel 6	HSDPA Subtest-4	22.27	22.25	22.29	23.10
3GPP Rel 6	HSUPA Subtest-1	22.30	22.21	22.30	23.10
3GPP Rel 6	HSUPA Subtest-2	21.43	21.36	21.29	22.10
3GPP Rel 6	HSUPA Subtest-3	21.51	21.41	21.25	22.10
3GPP Rel 6	HSUPA Subtest-4	21.44	21.41	21.45	22.10
3GPP Rel 6	HSUPA Subtest-5	22.49	22.36	22.30	23.10

Band		Ant 0			Tune-up Limit (dBm)
		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	22.31	22.28	22.23	23.10
3GPP Rel 99	RMC 12.2Kbps	22.53	22.34	22.41	23.10
3GPP Rel 6	HSDPA Subtest-1	22.26	22.28	22.26	23.10
3GPP Rel 6	HSDPA Subtest-2	22.27	22.27	22.25	23.10
3GPP Rel 6	HSDPA Subtest-3	22.31	22.20	22.26	23.10
3GPP Rel 6	HSDPA Subtest-4	22.27	22.25	22.29	23.10
3GPP Rel 6	HSUPA Subtest-1	22.30	22.21	22.30	23.10
3GPP Rel 6	HSUPA Subtest-2	21.43	21.36	21.29	22.10
3GPP Rel 6	HSUPA Subtest-3	21.51	21.41	21.25	22.10
3GPP Rel 6	HSUPA Subtest-4	21.44	21.41	21.45	22.10
3GPP Rel 6	HSUPA Subtest-5	22.49	22.36	22.30	23.10



Band 7_Ant 2							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up limit (min)
Channel				20400	21000	21600	
Frequency (MHz)				2010	2050	2090	
20	QPSK	1	0	24.12	24.07	24.16	25.5
20	QPSK	1	48	24.32	24.03	24.08	
20	QPSK	1	96	24.10	24.03	24.10	
20	QPSK	50	0	23.21	23.16	23.25	24.5
20	QPSK	50	24	23.28	23.19	23.26	
20	QPSK	50	50	23.19	23.10	23.24	
20	QPSK	100	0	23.17	23.07	23.28	24.5
20	16QAM	1	0	23.11	23.41	23.47	
20	16QAM	1	48	23.54	23.45	23.27	
20	16QAM	1	96	23.50	23.73	23.53	23.5
20	16QAM	50	0	22.18	22.18	22.26	
20	16QAM	50	24	22.18	22.16	22.26	
20	16QAM	50	50	22.16	22.14	22.28	22.5
20	16QAM	100	0	22.13	22.07	22.14	
20	16QAM	1	0	22.08	22.15	22.15	
20	16QAM	1	48	22.31	22.15	21.91	22.5
20	16QAM	1	96	22.18	22.21	22.88	
20	16QAM	50	0	21.28	21.18	21.23	
20	16QAM	50	24	21.18	21.20	21.22	20.5
20	16QAM	50	50	21.27	21.16	21.23	
20	16QAM	100	0	21.17	21.18	21.25	
20	256QAM	1	0	19.32	19.30	19.30	20.5
20	256QAM	1	48	19.14	19.34	19.20	
20	256QAM	1	96	19.10	19.19	19.24	
20	256QAM	50	0	19.30	19.29	19.27	20.5
20	256QAM	50	24	19.28	19.30	19.25	
20	256QAM	50	50	19.33	19.21	19.29	
20	256QAM	100	0	19.29	19.26	19.23	
Channel				20700	21300	21900	
Frequency (MHz)				2070.5	2090	2092.5	
15	QPSK	1	0	24.01	24.12	24.13	25.5
15	QPSK	1	36	23.99	24.10	24.07	
15	QPSK	1	74	24.11	24.09	24.06	
15	QPSK	36	0	23.17	23.17	23.28	24.5
15	QPSK	36	36	23.14	23.15	23.17	
15	QPSK	36	36	23.20	23.12	23.24	
15	QPSK	72	0	23.19	23.22	23.14	24.5
15	16QAM	1	0	23.15	23.45	23.57	
15	16QAM	1	36	23.38	23.24	23.21	
15	16QAM	1	74	23.31	23.57	23.58	23.5
15	16QAM	36	0	22.21	22.13	22.21	
15	16QAM	36	36	22.18	22.21	22.26	
15	16QAM	36	36	22.20	22.15	22.31	22.5
15	16QAM	72	0	22.21	22.15	22.22	
15	16QAM	1	0	22.18	22.18	22.48	
15	16QAM	1	36	22.26	21.97	22.18	22.5
15	16QAM	1	74	21.98	22.36	22.07	
15	16QAM	36	0	21.14	21.25	21.25	
15	16QAM	36	36	21.14	21.20	21.17	22.5
15	16QAM	36	36	21.12	21.15	21.20	
15	16QAM	72	0	21.20	21.14	21.26	
15	256QAM	1	0	19.29	19.29	19.23	20.5
15	256QAM	1	36	19.05	19.22	19.12	
15	256QAM	1	74	19.13	19.16	19.21	
15	256QAM	36	0	19.20	19.21	19.21	20.5
15	256QAM	36	36	19.25	19.30	19.24	
15	256QAM	36	36	19.26	19.13	19.21	
15	256QAM	72	0	19.21	19.23	19.23	
Channel				20800	21000	21600	
Frequency (MHz)				20800	20900	20900	
10	QPSK	1	0	24.04	24.04	24.12	25.5
10	QPSK	1	25	23.96	23.97	23.85	
10	QPSK	1	49	24.11	24.02	24.14	
10	QPSK	25	0	23.12	23.09	23.18	24.5
10	QPSK	25	12	23.22	23.04	23.19	
10	QPSK	25	24	23.20	23.10	23.23	
10	QPSK	50	0	23.25	23.20	23.16	24.5
10	16QAM	1	0	23.48	23.24	23.59	
10	16QAM	1	25	23.18	23.13	23.39	
10	16QAM	1	49	23.17	23.39	23.23	23.5
10	16QAM	25	0	22.21	22.18	22.14	
10	16QAM	25	12	22.11	22.08	22.21	
10	16QAM	25	25	22.23	22.17	22.14	22.5
10	16QAM	50	0	22.14	22.04	22.10	
10	16QAM	1	0	22.28	21.95	21.94	
10	16QAM	1	25	22.22	22.19	22.11	22.5
10	16QAM	1	49	22.08	22.07	22.34	
10	16QAM	25	0	21.06	21.09	21.88	
10	16QAM	25	12	21.07	21.08	21.19	22.5
10	16QAM	25	25	21.12	21.13	21.11	
10	16QAM	50	0	21.18	21.17	21.17	
10	256QAM	1	0	19.29	19.29	19.20	20.5
10	256QAM	1	25	19.10	19.23	19.14	
10	256QAM	1	49	19.10	19.09	19.17	
10	256QAM	25	0	19.23	19.27	19.27	20.5
10	256QAM	25	12	19.33	19.23	19.20	
10	256QAM	25	25	19.33	19.20	19.19	
10	256QAM	50	0	19.20	19.22	19.14	
Channel				20775	21000	21625	
Frequency (MHz)				20775	20775	20775	
5	QPSK	1	0	24.03	24.10	24.13	25.5
5	QPSK	1	12	24.07	24.06	24.12	
5	QPSK	1	24	24.09	24.01	24.12	
5	QPSK	12	0	23.16	23.11	23.06	24.5
5	QPSK	12	7	23.16	23.03	23.16	
5	QPSK	12	13	23.14	23.05	23.15	
5	QPSK	24	0	23.21	23.09	23.12	24.5
5	16QAM	1	0	23.70	23.39	23.71	
5	16QAM	1	12	23.70	23.44	23.66	
5	16QAM	1	24	23.59	23.60	23.67	23.5
5	16QAM	12	0	22.11	22.14	22.10	
5	16QAM	12	7	22.13	22.18	22.17	
5	16QAM	12	13	22.16	22.21	22.26	22.5
5	16QAM	25	0	22.07	22.07	22.18	
5	16QAM	1	0	22.24	22.19	22.15	
5	16QAM	1	12	21.80	22.28	22.86	22.5
5	16QAM	1	24	22.51	22.40	22.47	
5	16QAM	12	0	21.16	21.06	21.07	
5	16QAM	12	7	21.18	21.09	21.16	22.5
5	16QAM	12	13	21.15	21.14	21.21	
5	16QAM	25	0	21.15	21.10	21.13	
5	256QAM	1	0	19.24	19.23	19.21	20.5
5	256QAM	1	12	19.24	19.15	19.17	
5	256QAM	1	24	19.09	19.15	19.20	
5	256QAM	12	0	19.27	19.23	19.20	20.5
5	256QAM	12	7	19.31	19.24	19.23	
5	256QAM	12	13	19.24	19.20	19.23	
5	256QAM	25	0	19.10	19.18	19.21	



Band 12_Ant 0							
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1/Freq.	Power High Ch.1/Freq.	Power Low Ch.2/Freq.	Power High Ch.2/Freq.
Channel							
Frequency (MHz)							
10	QPSK	1	0	24.21	24.31	24.21	24.31
10	QPSK	1	20	24.21	24.23	24.24	24.24
10	QPSK	1	40	24.20	24.30	24.27	24.27
10	QPSK	30	0	23.35	23.35	23.42	23.42
10	QPSK	20	12	23.25	23.26	23.33	23.33
10	QPSK	20	20	23.34	23.33	23.41	23.41
10	QPSK	50	0	23.30	23.30	23.45	23.45
10	HQDM	1	0	23.47	23.40	23.88	23.88
10	HQDM	1	20	23.45	23.40	23.71	23.71
10	HQDM	1	40	23.62	23.65	23.81	23.81
10	HQDM	20	0	22.92	22.94	22.27	22.27
10	HQDM	20	20	22.39	22.41	22.31	22.31
10	HQDM	20	20	22.32	22.38	22.41	22.41
10	HQDM	50	0	22.32	22.35	22.37	22.37
10	HQDM	1	0	22.24	22.26	22.41	22.41
10	HQDM	1	20	22.23	22.21	22.36	22.36
10	HQDM	1	40	22.16	22.68	22.38	22.38
10	HQDM	30	0	21.33	21.28	21.31	21.31
10	HQDM	20	12	21.20	21.30	21.28	21.28
10	HQDM	20	20	21.37	21.38	21.42	21.42
10	HQDM	50	0	21.31	21.38	21.38	21.38
10	256QAM	1	0	19.59	19.58	19.86	19.86
10	256QAM	1	20	19.48	19.58	19.85	19.85
10	256QAM	40	0	19.52	19.51	19.58	19.58
10	256QAM	20	0	19.55	19.60	19.57	19.57
10	256QAM	20	12	19.53	19.52	19.55	19.55
10	256QAM	20	20	19.53	19.55	19.52	19.52
10	256QAM	50	0	19.54	19.54	19.54	19.54
Channel							
Frequency (MHz)							
5	QPSK	1	0	24.29	24.28	24.27	24.27
5	QPSK	1	12	24.25	24.30	24.26	24.26
5	QPSK	1	24	24.24	24.28	24.25	24.25
5	QPSK	12	0	23.40	23.42	23.43	23.43
5	QPSK	12	0	23.46	23.33	23.47	23.47
5	QPSK	12	12	23.44	23.42	23.43	23.43
5	QPSK	20	0	23.49	23.44	23.40	23.40
5	HQDM	1	0	23.63	23.50	23.79	23.79
5	HQDM	1	12	23.60	23.50	23.85	23.85
5	HQDM	1	24	23.78	23.61	23.44	23.44
5	HQDM	12	0	22.44	22.39	22.50	22.50
5	HQDM	12	0	22.52	22.44	22.58	22.58
5	HQDM	12	12	22.50	22.42	22.46	22.46
5	HQDM	20	0	22.43	22.47	22.41	22.41
5	HQDM	1	0	22.42	22.55	22.46	22.46
5	HQDM	1	12	22.37	22.24	22.70	22.70
5	HQDM	1	24	22.17	22.89	22.46	22.46
5	HQDM	12	0	21.48	21.33	21.50	21.50
5	HQDM	12	0	21.53	21.33	21.37	21.37
5	HQDM	12	12	21.44	21.36	21.36	21.36
5	HQDM	20	0	21.57	21.48	21.43	21.43
5	256QAM	1	0	19.50	19.48	19.63	19.63
5	256QAM	1	12	19.46	19.49	19.58	19.58
5	256QAM	1	24	19.57	19.55	19.54	19.54
5	256QAM	12	0	19.51	19.51	19.47	19.47
5	256QAM	12	0	19.45	19.51	19.54	19.54
5	256QAM	12	12	19.51	19.45	19.47	19.47
5	256QAM	20	0	19.49	19.45	19.47	19.47
Channel							
Frequency (MHz)							
3	QPSK	1	0	24.29	24.28	24.30	24.30
3	QPSK	1	8	24.27	24.25	24.29	24.29
3	QPSK	1	16	24.26	24.26	24.30	24.30
3	QPSK	8	0	23.44	23.33	23.29	23.29
3	QPSK	8	4	23.45	23.29	23.40	23.40
3	QPSK	8	8	23.42	23.39	23.38	23.38
3	QPSK	16	0	23.32	23.39	23.44	23.44
3	HQDM	1	0	23.76	23.62	23.57	23.57
3	HQDM	1	8	23.60	23.65	23.68	23.68
3	HQDM	1	16	23.63	23.65	24.02	24.02
3	HQDM	8	0	22.48	22.31	22.44	22.44
3	HQDM	8	4	22.43	22.32	22.38	22.38
3	HQDM	8	7	22.80	22.34	22.53	22.53
3	HQDM	16	0	22.43	22.36	22.40	22.40
3	HQDM	1	0	22.58	22.46	22.57	22.57
3	HQDM	1	8	22.36	22.37	22.21	22.21
3	HQDM	1	16	21.89	22.58	22.06	22.06
3	HQDM	8	0	21.45	21.23	21.49	21.49
3	HQDM	8	4	20.97	21.35	21.44	21.44
3	HQDM	8	7	21.51	21.47	21.39	21.39
3	HQDM	16	0	21.38	21.34	21.45	21.45
3	256QAM	1	0	19.58	19.44	19.58	19.58
3	256QAM	1	8	19.40	19.50	19.50	19.50
3	256QAM	1	16	19.52	19.54	19.58	19.58
3	256QAM	8	0	19.52	19.52	19.50	19.50
3	256QAM	8	4	19.53	19.44	19.48	19.48
3	256QAM	8	7	19.43	19.55	19.45	19.45
3	256QAM	16	0	19.53	19.48	19.48	19.48
Channel							
Frequency (MHz)							
1.4	QPSK	1	0	24.25	24.28	24.26	24.26
1.4	QPSK	1	3	24.17	24.22	24.30	24.30
1.4	QPSK	1	5	24.30	24.28	24.29	24.29
1.4	QPSK	3	0	24.29	24.27	24.29	24.29
1.4	QPSK	3	1	24.27	24.27	24.27	24.27
1.4	QPSK	3	3	24.29	24.30	24.30	24.30
1.4	QPSK	6	0	23.42	23.37	23.38	23.38
1.4	HQDM	1	0	23.50	23.57	23.42	23.42
1.4	HQDM	1	3	23.38	23.47	23.27	23.27
1.4	HQDM	1	5	23.08	23.49	23.58	23.58
1.4	HQDM	3	0	23.29	23.62	23.50	23.50
1.4	HQDM	3	1	23.39	23.40	23.47	23.47
1.4	HQDM	3	3	23.55	23.51	23.45	23.45
1.4	HQDM	6	0	22.40	22.31	22.48	22.48
1.4	HQDM	1	0	22.66	22.29	22.66	22.66
1.4	HQDM	1	3	22.78	22.12	22.37	22.37
1.4	HQDM	1	5	22.67	22.49	22.52	22.52
1.4	HQDM	3	0	22.39	22.27	22.46	22.46
1.4	HQDM	3	1	22.37	22.69	22.53	22.53
1.4	HQDM	3	3	22.57	22.34	22.43	22.43
1.4	HQDM	6	0	21.38	21.35	21.41	21.41
1.4	256QAM	1	0	19.59	19.57	19.63	19.63
1.4	256QAM	1	3	19.39	19.53	19.54	19.54
1.4	256QAM	1	5	19.51	19.51	19.52	19.52
1.4	256QAM	3	0	19.51	19.54	19.54	19.54
1.4	256QAM	3	1	19.51	19.47	19.54	19.54
1.4	256QAM	3	3	19.50	19.54	19.49	19.49
1.4	256QAM	6	0	19.47	19.46	19.45	19.45



Band 13_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Power High Ch. F/Freq	Time-to-Sett (ms)
Channel							
Frequency (MHz)				782			
10	QPSK	1	0	24.47			25.5
10	QPSK	1	20	24.26			
10	QPSK	1	49	24.46			
10	QPSK	20	0	23.54			24.5
10	QPSK	20	12	23.55			
10	QPSK	25	25	23.43			
10	QPSK	50	0	23.58			24.5
10	HQDM	1	0	23.75			
10	HQDM	1	20	23.47			
10	HQDM	1	49	23.38			23.5
10	HQDM	20	0	22.57			
10	HQDM	25	12	22.52			
10	HQDM	25	25	22.53			23.5
10	HQDM	50	0	22.53			
10	HQDM	1	0	22.36			23.5
10	HQDM	1	20	22.37			
10	HQDM	1	49	22.49			
10	HQDM	20	0	21.49			22.5
10	HQDM	25	12	21.46			
10	HQDM	25	25	21.49			
10	HQDM	50	0	21.57			22.5
10	256QAM	1	0	19.80			
10	256QAM	1	20	19.71			
10	256QAM	1	49	19.65			20.5
10	256QAM	25	12	19.68			
10	256QAM	25	25	19.53			
10	256QAM	50	0	19.61			20.5
Channel				2320.5	2320.5	2320.5	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.42	24.38	24.43	25.5
5	QPSK	1	12	24.35	24.40	24.45	
5	QPSK	1	24	24.41	24.45	24.38	
5	QPSK	12	0	23.40	23.50	23.53	24.5
5	QPSK	12	6	23.36	23.47	23.51	
5	QPSK	12	18	23.62	23.42	23.55	
5	QPSK	20	0	23.57	23.56	23.52	24.5
5	HQDM	1	0	23.48	23.53	23.58	
5	HQDM	1	12	23.31	23.17	24.02	
5	HQDM	1	24	23.72	23.51	23.68	23.5
5	HQDM	12	0	22.52	21.80	22.58	
5	HQDM	12	7	22.58	22.47	22.53	
5	HQDM	12	18	22.73	22.71	22.57	23.5
5	HQDM	20	0	22.50	22.53	22.52	
5	HQDM	1	0	22.13	22.70	22.84	
5	HQDM	1	10	22.61	22.74	22.78	22.5
5	HQDM	1	24	22.78	22.37	22.78	
5	HQDM	12	0	21.53	21.53	21.65	
5	HQDM	12	7	21.53	21.58	21.50	22.5
5	HQDM	12	18	21.50	21.40	21.55	
5	HQDM	20	0	21.50	20.81	21.50	
5	256QAM	1	0	19.71	19.80	19.75	20.5
5	256QAM	1	12	19.63	19.89	19.88	
5	256QAM	1	24	19.59	19.55	19.60	
5	256QAM	12	0	19.59	19.59	19.63	20.5
5	256QAM	12	7	19.55	19.55	19.58	
5	256QAM	12	18	19.44	19.50	19.50	
5	256QAM	25	0	19.50	19.51	19.51	



Band 14_Ant 0							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Power High Ch. F/Freq	Time-to-Sett (ms)
Channel				24.00	793		
Frequency (MHz)				793			
10	QPSK	1	0		24.00		25.5
10	QPSK	1	20		24.19		
10	QPSK	1	40		24.22		
10	QPSK	20	0		23.34		24.5
10	QPSK	20	12		23.23		
10	QPSK	20	20		23.26		
10	QPSK	50	0		23.21		24.5
10	HQDM	1	0		23.27		
10	HQDM	1	20		23.83		
10	HQDM	1	40		23.65		23.5
10	HQDM	20	0		22.29		
10	HQDM	20	12		22.34		
10	HQDM	20	20		22.38		23.5
10	HQDM	50	0		22.23		
10	HQDM	1	0		22.11		
10	HQDM	1	20		22.23		22.5
10	HQDM	1	40		22.18		
10	HQDM	20	0		21.24		
10	HQDM	20	12		21.21		22.5
10	HQDM	20	20		21.18		
10	HQDM	50	0		21.24		
10	256QAM	1	0		19.83		20.5
10	256QAM	1	20		19.52		
10	256QAM	1	40		19.56		
10	256QAM	20	0		19.51		20.5
10	256QAM	20	12		19.43		
10	256QAM	20	20		19.44		
10	256QAM	50	0		19.49		
Channel				23.00	793	795.5	
Frequency (MHz)				795.5			
5	QPSK	1	0	24.22	24.29	24.27	25.5
5	QPSK	1	10	24.27	24.26	24.53	
5	QPSK	1	24	24.23	24.19	24.27	
5	QPSK	12	0	23.43	23.38	23.35	24.5
5	QPSK	12	6	23.38	23.34	23.38	
5	QPSK	12	12	23.37	23.36	23.30	
5	QPSK	20	0	23.40	23.40	23.39	24.5
5	HQDM	1	0	23.84	23.45	23.50	
5	HQDM	1	12	23.82	23.71	23.79	
5	HQDM	1	24	23.45	23.58	23.40	23.5
5	HQDM	12	0	22.49	22.58	22.38	
5	HQDM	12	6	22.44	22.37	22.51	
5	HQDM	12	12	22.43	22.37	22.42	23.5
5	HQDM	20	0	22.32	22.41	22.35	
5	HQDM	1	0	22.34	22.62	22.28	
5	HQDM	1	10	22.00	22.64	22.30	22.5
5	HQDM	1	24	22.82	22.82	22.37	
5	HQDM	12	0	21.43	21.46	21.34	
5	HQDM	12	6	21.38	21.46	21.20	20.5
5	HQDM	12	12	21.45	21.39	21.39	
5	HQDM	20	0	21.57	21.42	21.39	
5	256QAM	1	0	19.51	19.56	19.51	20.5
5	256QAM	1	12	19.46	19.52	19.48	
5	256QAM	1	24	19.47	19.52	19.46	
5	256QAM	12	0	19.51	19.49	19.44	20.5
5	256QAM	12	6	19.39	19.39	19.43	
5	256QAM	12	12	19.43	19.37	19.38	
5	256QAM	20	0	19.48	19.45	19.45	

Band 25_Ant 2											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Time-up [ms]	Time-down [ms]		
Channel											
Frequency (MHz)											
20	QPSK	1	0	24.19	24.21	24.19	24.21	25.5			
20	QPSK	1	48	24.06	24.17	24.13	24.13				
20	QPSK	1	96	24.10	24.22	24.13	24.13				
20	QPSK	56	0	23.18	23.22	23.22	23.22				
20	QPSK	56	24	23.30	23.25	23.26	23.26	24.5			
20	QPSK	56	50	23.20	23.21	23.18	23.18				
20	QPSK	160	0	23.23	23.27	23.18	23.18				
20	HQPSK	1	0	23.27	23.32	23.36	23.36				
20	HQPSK	1	48	23.22	23.23	23.08	23.08	24.5			
20	HQPSK	1	96	23.28	23.19	23.18	23.18				
20	HQPSK	56	0	22.37	22.30	22.20	22.20				
20	HQPSK	56	24	22.19	22.27	22.27	22.27				
20	HQPSK	56	50	22.20	22.33	22.16	22.16	23.5			
20	HQPSK	160	0	22.23	22.23	22.14	22.14				
20	HQPSK	1	0	22.24	22.26	22.26	22.26				
20	HQPSK	1	48	22.31	22.44	22.40	22.40				
20	HQPSK	1	96	22.35	21.88	21.85	21.85	23.5			
20	HQPSK	56	0	21.18	21.28	21.26	21.26				
20	HQPSK	56	24	21.21	21.27	21.30	21.30				
20	HQPSK	56	50	21.19	21.30	21.22	21.22				
20	HQPSK	160	0	21.24	21.25	21.18	21.18	22.5			
20	HQPSK	1	0	19.00	19.05	19.00	19.00				
20	HQPSK	1	48	18.93	18.98	18.92	18.92				
20	HQPSK	1	96	18.96	19.17	19.07	19.07				
20	HQPSK	56	0	18.98	19.02	19.03	19.03	20.5			
20	HQPSK	56	24	19.02	19.08	19.05	19.05				
20	HQPSK	56	50	19.03	19.10	19.08	19.08				
20	HQPSK	160	0	18.99	19.07	19.06	19.06				
Channel											
Frequency (MHz)											
15	QPSK	1	0	24.12	24.10	24.04	24.04	25.5			
15	QPSK	1	36	24.18	24.18	24.13	24.13				
15	QPSK	1	72	24.19	24.20	23.92	23.92				
15	QPSK	36	0	23.28	23.15	23.17	23.17				
15	QPSK	36	36	23.17	23.24	23.17	23.17	24.5			
15	QPSK	36	72	23.22	23.16	23.22	23.22				
15	QPSK	72	0	23.18	23.26	23.10	23.10				
15	HQPSK	1	0	23.19	23.48	23.41	23.41				
15	HQPSK	1	36	23.84	23.74	23.11	23.11	24.5			
15	HQPSK	1	72	23.67	23.47	23.08	23.08				
15	HQPSK	36	0	22.14	22.37	22.24	22.24				
15	HQPSK	36	36	22.14	22.19	22.21	22.21				
15	HQPSK	36	72	22.14	22.16	22.16	22.16	23.5			
15	HQPSK	72	0	22.19	22.26	22.17	22.17				
15	HQPSK	1	0	22.24	22.30	22.33	22.33				
15	HQPSK	1	36	22.28	22.28	22.12	22.12				
15	HQPSK	1	72	22.48	22.36	21.96	21.96	22.5			
15	HQPSK	36	0	21.17	21.21	21.27	21.27				
15	HQPSK	36	36	21.26	21.21	21.24	21.24				
15	HQPSK	36	72	21.18	21.23	21.22	21.22				
15	HQPSK	72	0	21.18	21.23	21.22	21.22	20.5			
15	HQPSK	1	0	18.91	19.03	18.91	18.91				
15	HQPSK	1	36	18.88	19.06	19.05	19.05				
15	HQPSK	1	72	19.01	19.08	19.03	19.03				
15	HQPSK	36	0	18.94	18.99	18.96	18.96	20.5			
15	HQPSK	36	36	18.98	19.03	18.96	18.96				
15	HQPSK	72	0	18.90	19.00	19.02	19.02				
Channel											
Frequency (MHz)											
10	QPSK	1	0	24.14	24.08	24.00	24.00	25.5			
10	QPSK	1	25	23.92	23.85	23.89	23.89				
10	QPSK	1	49	24.10	24.14	24.01	24.01				
10	QPSK	25	0	23.08	23.19	23.11	23.11				
10	QPSK	25	12	23.19	23.16	23.14	23.14	24.5			
10	QPSK	25	25	23.13	23.15	23.11	23.11				
10	QPSK	50	0	23.19	23.15	23.11	23.11				
10	HQPSK	1	0	23.19	23.42	23.40	23.40				
10	HQPSK	1	25	23.27	23.30	23.36	23.36	24.5			
10	HQPSK	1	49	23.47	23.35	23.36	23.36				
10	HQPSK	25	0	22.18	22.10	22.11	22.11				
10	HQPSK	25	12	22.17	22.20	22.09	22.09				
10	HQPSK	25	25	22.12	22.11	22.09	22.09	23.5			
10	HQPSK	50	0	22.03	22.15	22.10	22.10				
10	HQPSK	1	0	22.07	22.39	22.41	22.41				
10	HQPSK	1	25	22.21	22.23	21.85	21.85				
10	HQPSK	1	49	22.25	22.05	22.44	22.44	22.5			
10	HQPSK	25	0	21.18	21.13	21.28	21.28				
10	HQPSK	25	12	21.21	21.08	21.27	21.27				
10	HQPSK	25	25	21.25	21.25	21.21	21.21				
10	HQPSK	50	0	21.18	21.21	21.24	21.24	20.5			
10	HQPSK	1	0	19.04	19.05	19.00	19.00				
10	HQPSK	1	25	19.01	19.05	19.00	19.00				
10	HQPSK	1	49	18.97	19.14	18.97	18.97				
10	HQPSK	25	0	18.94	18.94	18.96	18.96	20.5			
10	HQPSK	25	12	18.92	19.05	19.04	19.04				
10	HQPSK	25	25	18.99	19.00	19.04	19.04				
10	HQPSK	50	0	18.92	18.99	18.96	18.96				
Channel											
Frequency (MHz)											
5	QPSK	1	0	24.13	24.15	24.08	24.08	25.5			
5	QPSK	1	12	24.10	24.13	23.87	23.87				
5	QPSK	1	24	24.07	24.10	23.91	23.91				
5	QPSK	12	0	23.24	23.16	23.08	23.08				
5	QPSK	12	7	23.13	23.19	23.05	23.05	24.5			
5	QPSK	12	13	23.14	23.24	23.03	23.03				
5	QPSK	24	0	23.12	23.16	23.07	23.07				
5	HQPSK	1	0	22.89	23.26	23.58	23.58				
5	HQPSK	1	12	23.58	23.36	23.48	23.48	24.5			
5	HQPSK	1	24	23.43	23.15	23.33	23.33				
5	HQPSK	12	0	22.18	22.18	22.12	22.12				
5	HQPSK	12	7	22.20	22.28	22.03	22.03				
5	HQPSK	12	13	22.21	22.23	22.11	22.11	23.5			
5	HQPSK	24	0	22.21	22.10	22.10	22.10				
5	HQPSK	1	0	22.25	22.45	22.08	22.08				
5	HQPSK	1	12	22.20	22.37	21.89	21.89				
5	HQPSK	1	24	21.88	22.43	21.97	21.97	22.5			
5	HQPSK	12	0	21.09	21.18	21.04	21.04				
5	HQPSK	12	7	21.15	21.11	20.99	20.99				
5	HQPSK	12	13	21.09	21.19	21.03	21.03				
5	HQPSK	1	0	21.08	21.14	21.12	21.12	20.5			
5	HQPSK	1	12	18.93	18.98	19.02	19.02				
5	HQPSK	1	24	18.98	19.12	19.07	19.07				
5	HQPSK	12	0	18.90	18.92	19.00	19.00				
5	HQPSK	12	7	18.98	19.08	19.06	19.06	20.5			
5	HQPSK	12	13	18.98	19.06	19.00	19.00				
5	HQPSK	24	0	18.96	19.07	19.04	19.04				
5	HQPSK	24	7	18.92	18.99	19.06	19.06				
Channel											
Frequency (MHz)											
3	QPSK	1	0	24.13	24.08	23.98	23.98	25.5			
3	QPSK	1	8	24.07	24.05	23.97	23.97				
3	QPSK	1	14	24.06	24.04	23.95	23.95				
3	QPSK	8	0	23.13	23.01	23.02	23.02				
3	QPSK	8	4	23.12	23.09	22.94	22.94	24.5			
3	QPSK	8	7	23.11	23.06	22.98	22.98				
3	QPSK	16	0	23.11	23.07	22.98	22.98	24.5			
3	HQPSK	1	0	23.11	23.34	23.36	23.36				
3	HQPSK	1	8	23.12	23.12	23.31	23.31				
3	HQPSK	1	14	23.13	23.11	23.31	23.31				
3	HQPSK	8	0	22.05	22.04	22.03	22.03	23.5			
3	HQPSK	8	4	22.02	22.10	21.95	21.95				
3	HQPSK	8	7	22.03	22.07	21.99	21.99				
3	HQPSK	16	0	21.05	21.06	21.07	21.07				
3	HQPSK	16	8	21.03	21.08	21.06	21.06	23.5			
3	HQPSK	16	14	21.03	21.08	21.06	21.06				
3	HQPSK	16	20	21.03	21.08	21.06	21.06				
3	HQPSK	32	0	20.99	20.89	20.99	20.99				
3	HQPSK	32	8	20.98	20.94	20.98	20.98	20.5			
3	HQPSK	32	14	20.98	20.94	20.98	20.98				
3	HQPSK	32	20	20.97	20.97	20.98	20.98				
3	HQPSK	64	0	20.92	20.89	20.99	20.99				
3	HQPSK	64	8	20.91	20.91	20.94	20.94	20.5			
3	HQPSK	64	14	20.91	20.91	20.94	20.94				
3	HQPSK	64	20	20.91	20.91	20.94	20.94				
3	HQPSK	128	0	19.03	18.98	19.00	19.00				
3	HQPSK	128	8	18.93	19.00	19.01	19.01	20.5			
3	HQPSK	128	14	18.93	19.00	19.01	19.01				
3	HQPSK	128	20	18.93	19.00	19.01	19.01				
3	HQPSK	256	0	18.92	18.97	19.03	19.03				

Band 26_Ant 0									
RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.15	24.23	24.15	24.15	24.15	24.15
15	QPSK	1	31	24.15	24.23	24.15	24.15	24.15	24.15
15	QPSK	1	74	24.13	24.18	24.20	24.20	24.20	24.20
15	QPSK	36	0	23.33	23.38	23.31	23.31	23.31	23.31
15	QPSK	36	20	23.37	23.31	23.34	23.34	23.34	23.34
15	QPSK	36	39	23.20	23.31	23.21	23.21	23.21	23.21
15	QPSK	75	0	23.28	23.34	23.28	23.28	23.28	23.28
15	HQDM	1	0	23.40	23.87	23.58	23.58	23.58	23.58
15	HQDM	1	37	23.41	23.89	23.46	23.46	23.46	23.46
15	HQDM	1	74	23.40	23.43	23.50	23.50	23.50	23.50
15	HQDM	36	0	22.33	22.19	22.39	22.39	22.39	22.39
15	HQDM	36	20	22.31	22.29	22.31	22.31	22.31	22.31
15	HQDM	36	39	22.22	22.20	22.23	22.23	22.23	22.23
15	HQDM	75	0	22.27	22.25	22.30	22.30	22.30	22.30
15	HQDM	1	0	22.28	22.44	22.46	22.46	22.46	22.46
15	HQDM	1	37	22.75	22.22	22.53	22.53	22.53	22.53
15	HQDM	1	74	22.38	22.23	22.29	22.29	22.29	22.29
15	HQDM	36	0	21.24	21.22	21.21	21.21	21.21	21.21
15	HQDM	36	20	21.25	21.24	21.17	21.17	21.17	21.17
15	HQDM	36	39	21.21	21.22	21.18	21.18	21.18	21.18
15	HQDM	75	0	21.33	21.23	21.33	21.33	21.33	21.33
15	SSBDM	1	0	19.47	19.50	19.50	19.50	19.50	19.50
15	SSBDM	1	37	19.56	19.41	19.54	19.54	19.54	19.54
15	SSBDM	1	74	19.39	19.50	19.43	19.43	19.43	19.43
15	SSBDM	36	0	19.44	19.37	19.45	19.45	19.45	19.45
15	SSBDM	36	20	19.41	19.38	19.39	19.39	19.39	19.39
15	SSBDM	36	39	19.36	19.35	19.41	19.41	19.41	19.41
15	SSBDM	75	0	19.37	19.40	19.48	19.48	19.48	19.48
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.13	24.23	24.15	24.15	24.15	24.15
15	QPSK	1	25	24.09	24.07	24.16	24.16	24.16	24.16
15	QPSK	1	49	24.16	24.10	24.12	24.12	24.12	24.12
15	QPSK	25	0	23.32	23.32	23.28	23.28	23.28	23.28
15	QPSK	25	49	23.31	23.25	23.27	23.27	23.27	23.27
15	QPSK	25	25	23.25	23.24	23.23	23.23	23.23	23.23
15	QPSK	50	0	23.38	23.24	23.25	23.25	23.25	23.25
15	HQDM	1	0	23.40	23.84	23.41	23.41	23.41	23.41
15	HQDM	1	28	23.75	23.26	23.65	23.65	23.65	23.65
15	HQDM	1	49	23.71	23.53	23.58	23.58	23.58	23.58
15	HQDM	25	0	22.27	22.29	22.18	22.18	22.18	22.18
15	HQDM	25	12	22.33	22.23	22.24	22.24	22.24	22.24
15	HQDM	25	25	22.21	22.16	22.21	22.21	22.21	22.21
15	HQDM	50	0	22.26	22.35	22.30	22.30	22.30	22.30
15	HQDM	1	0	22.20	22.17	22.36	22.36	22.36	22.36
15	HQDM	1	25	22.26	22.35	22.30	22.30	22.30	22.30
15	HQDM	1	49	22.67	22.35	22.37	22.37	22.37	22.37
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.23	24.24	24.23	24.23	24.23	24.23
5	QPSK	1	12	24.19	24.12	24.19	24.19	24.19	24.19
5	QPSK	1	24	24.12	24.24	24.08	24.08	24.08	24.08
5	QPSK	12	0	23.23	23.25	23.32	23.32	23.32	23.32
5	QPSK	12	7	23.23	23.30	23.34	23.34	23.34	23.34
5	QPSK	12	14	23.23	23.35	23.20	23.20	23.20	23.20
5	QPSK	25	0	23.24	23.31	23.29	23.29	23.29	23.29
5	HQDM	1	0	23.41	23.56	23.60	23.60	23.60	23.60
5	HQDM	1	14	23.68	23.70	23.67	23.67	23.67	23.67
5	HQDM	1	24	23.61	23.61	23.13	23.13	23.13	23.13
5	HQDM	12	0	22.14	22.38	22.36	22.36	22.36	22.36
5	HQDM	12	7	22.20	22.27	22.37	22.37	22.37	22.37
5	HQDM	12	14	22.17	22.35	22.27	22.27	22.27	22.27
5	HQDM	25	0	22.25	22.22	22.23	22.23	22.23	22.23
5	HQDM	1	0	21.93	22.46	22.71	22.71	22.71	22.71
5	HQDM	1	12	22.21	22.66	22.14	22.14	22.14	22.14
5	HQDM	1	24	22.26	22.23	22.29	22.29	22.29	22.29
5	HQDM	12	0	21.15	21.14	21.23	21.23	21.23	21.23
5	HQDM	12	7	21.23	21.25	21.25	21.25	21.25	21.25
5	HQDM	12	14	21.13	21.35	21.14	21.14	21.14	21.14
5	HQDM	25	0	21.29	21.26	21.22	21.22	21.22	21.22
5	SSBDM	1	0	19.29	19.47	19.50	19.50	19.50	19.50
5	SSBDM	1	12	19.35	19.38	19.54	19.54	19.54	19.54
5	SSBDM	1	24	19.38	19.50	19.33	19.33	19.33	19.33
5	SSBDM	12	0	19.38	19.31	19.36	19.36	19.36	19.36
5	SSBDM	12	7	19.41	19.32	19.33	19.33	19.33	19.33
5	SSBDM	12	14	19.26	19.33	19.31	19.31	19.31	19.31
5	SSBDM	25	0	19.31	19.38	19.42	19.42	19.42	19.42
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.13	24.23	24.14	24.14	24.14	24.14
3	QPSK	1	8	23.96	24.24	24.10	24.10	24.10	24.10
3	QPSK	1	14	24.08	24.05	24.15	24.15	24.15	24.15
3	QPSK	8	0	23.19	23.18	23.31	23.31	23.31	23.31
3	QPSK	8	4	23.24	23.14	23.26	23.26	23.26	23.26
3	QPSK	8	7	23.13	23.22	23.26	23.26	23.26	23.26
3	QPSK	16	0	23.16	23.15	23.27	23.27	23.27	23.27
3	HQDM	1	0	23.59	23.35	23.61	23.61	23.61	23.61
3	HQDM	1	8	23.27	23.32	23.63	23.63	23.63	23.63
3	HQDM	1	14	23.21	23.38	23.68	23.68	23.68	23.68
3	HQDM	8	0	22.19	22.13	22.32	22.32	22.32	22.32
3	HQDM	8	4	22.23	22.16	22.26	22.26	22.26	22.26
3	HQDM	8	7	22.16	22.11	22.37	22.37	22.37	22.37
3	HQDM	16	0	22.17	22.28	22.33	22.33	22.33	22.33
3	HQDM	1	0	22.15	22.28	22.37	22.37	22.37	22.37
3	HQDM	1	8	22.20	22.35	21.84	21.84	21.84	21.84
3	HQDM	1	14	22.30	22.24	22.10	22.10	22.10	22.10
3	HQDM	8	0	21.18	21.21	21.21	21.21	21.21	21.21
3	HQDM	8	4	21.02	21.14	21.27	21.27	21.27	21.27
3	HQDM	8	7	21.19	21.24	21.33	21.33	21.33	21.33
3	HQDM	16	0	21.13	21.31	21.16	21.16	21.16	21.16
3	SSBDM	1	0	19.47	19.50	19.54	19.54	19.54	19.54
3	SSBDM	1	8	19.48	19.32	19.50	19.50	19.50	19.50
3	SSBDM	1	14	19.29	19.40	19.41	19.41	19.41	19.41
3	SSBDM	8	0	19.42	19.36	19.36	19.36	19.36	19.36
3	SSBDM	8	4	19.34	19.30	19.35	19.35	19.35	19.35
3	SSBDM	8	7	19.27	19.25	19.34	19.34	19.34	19.34
3	SSBDM	15	0	19.33	19.33	19.41	19.41	19.41	19.41
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.11	24.12	24.15	24.15	24.15	24.15
1.4	QPSK	1	8	24.08	24.07	24.11	24.11	24.11	24.11
1.4	QPSK	1	5	24.14	24.15	24.06	24.06	24.06	24.06
1.4	QPSK	3	0	24.16	24.13	24.16	24.16	24.16	24.16
1.4	QPSK	3	8	24.20	24.14	24.24	24.24	24.24	24.24
1.4	QPSK	3	5	24.17	24.15	24.15	24.15	24.15	24.15
1.4	QPSK	8	0	23.13	23.19	23.26	23.26	23.26	23.26
1.4	HQDM	1	0	23.30	23.36	23.44	23.44	23.44	23.44
1.4	HQDM	1	8	23.32	23.29	23.35	23.35	23.35	23.35
1.4	HQDM	1	16	23.35	23.32	23.38	23.38	23.38	23.38
1.4	HQDM	8	0	23.28	23.20	23.28	23.28	23.28	23.28
1.4	HQDM	8	8	23.29	23.27	23.29	23.29	23.29	23.29
1.4	HQDM	8	16	23.31	23.29	23.31	23.31	23.31	23.31
1.4	HQDM	16	0	23.22	23.20	23.34	23.34	23.34	23.34
1.4	HQDM	1	0	23.17	23.11	23.17	23.17	23.17	23.17
1.4	HQDM	1	8	23.27	23.23	23.28	23.28	23.28	23.28
1.4	HQDM	1	16	23.23	23.19	23.26	23.26	23.26	23.26
1.4	HQDM	8	0	22.26	22.26	22.31	22.31	22.31	22.31
1.4	HQDM	8	8	22.29	22.26	22.30	22.30	22.30	22.30
1.4	HQDM	8	16	22.30	22.28	22.31	22.31	22.31	22.31
1.4	HQDM	16	0	21.08	21.08	21.10	21.10	21.10	21.10
1.4	SSBDM	1	0	19.47	19.48	19.54	19.54	19.54	19.54
1.4	SSBDM	1	8	19.31	19.46	19.39	19.39	19.39	19.39
1.4	SSBDM	1	16	19.42	19.35	19.40	19.40	19.40	19.40
1.4	SSBDM	8	0	19.39	19.37	19.38	19.38	19.38	19.38
1.4	SSBDM	8	8	19.31	19.31	19.32	19.32	19.32	19.32



Band 30_Ant 2						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power High Ch. F (MHz)	Time-to-Sett (ms)
Channel						
Frequency (MHz)				2310		
10	QPSK	1	0	23.11		25.5
10	QPSK	1	20	23.32		
10	QPSK	1	40	23.58		
10	QPSK	20	0	23.16		24.5
10	QPSK	20	12	23.14		
10	QPSK	20	20	23.10		
10	QPSK	50	0	23.14		24.5
10	HQDM	1	0	23.80		
10	HQDM	1	20	23.77		
10	HQDM	1	40	23.70		23.5
10	HQDM	20	0	22.12		
10	HQDM	20	12	22.09		
10	HQDM	20	20	22.07		23.5
10	HQDM	50	0	22.17		
10	HQDM	1	0	22.36		23.5
10	HQDM	1	20	22.51		
10	HQDM	1	40	22.17		
10	HQDM	20	0	21.10		22.5
10	HQDM	20	12	21.03		
10	HQDM	20	20	21.02		
10	HQDM	50	0	21.18		20.5
10	256QAM	1	0	19.51		
10	256QAM	1	20	19.36		
10	256QAM	1	40	19.36		20.5
10	256QAM	20	0	19.34		
10	256QAM	20	12	19.28		
10	256QAM	50	0	19.34		
Channel				2310	2370	Time-to-Sett (ms)
Frequency (MHz)				2307.5	2312.5	
5	QPSK	1	0	24.08	24.05	25.5
5	QPSK	1	10	24.00	24.00	
5	QPSK	1	24	24.08	24.00	
5	QPSK	12	0	23.13	23.07	24.5
5	QPSK	12	12	23.20	23.15	
5	QPSK	12	18	23.04	23.19	
5	QPSK	20	0	23.17	23.22	24.5
5	HQDM	1	0	23.08	23.10	
5	HQDM	1	12	23.41	23.40	
5	HQDM	1	24	23.35	23.49	23.5
5	HQDM	12	0	22.22	22.17	
5	HQDM	12	7	22.08	22.13	
5	HQDM	12	18	22.14	22.00	23.5
5	HQDM	20	0	22.19	22.09	
5	HQDM	1	0	22.14	22.22	
5	HQDM	1	10	22.00	22.11	22.5
5	HQDM	1	24	22.20	22.10	
5	HQDM	12	0	21.03	20.99	
5	HQDM	12	7	21.04	21.25	20.5
5	HQDM	12	18	21.10	21.08	
5	HQDM	20	0	21.10	21.08	
5	256QAM	1	0	19.45	19.46	20.5
5	256QAM	1	12	19.36	19.26	
5	256QAM	1	24	19.36	19.24	
5	256QAM	12	7	19.30	19.32	20.5
5	256QAM	12	18	19.32	19.23	
5	256QAM	20	14	19.20	19.25	

Band 66_Ant 2											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Power Low Ch. F/Freq	Power High Ch. F/Freq	Time-up [ms]	Time-down [ms]		
Channel											
Frequency (MHz)											
20	QPSK	1	0	24.17	24.18	24.23	24.23	25.5			
20	QPSK	1	48	24.20	24.17	24.17	24.22				
20	QPSK	1	96	24.08	24.09	24.19	24.19				
20	QPSK	50	0	23.24	23.28	23.25	23.25				
20	QPSK	50	24	23.35	23.30	23.33	23.33	24.5			
20	QPSK	50	50	23.24	23.28	23.17	23.17				
20	QPSK	100	0	23.19	23.30	23.23	23.23				
20	QPSK	1	0	23.18	23.41	23.48	23.48				
20	16QAM	1	48	23.42	23.41	23.38	23.38	24.5			
20	16QAM	1	96	23.28	23.34	23.39	23.39				
20	16QAM	50	0	22.19	22.17	22.20	22.20				
20	16QAM	50	24	22.27	22.23	22.28	22.28				
20	16QAM	100	0	22.40	22.30	22.23	22.23	23.5			
20	16QAM	100	0	22.23	22.22	22.17	22.17				
20	16QAM	1	48	22.40	22.44	22.44	22.44				
20	16QAM	1	48	22.27	22.23	22.34	22.34				
20	16QAM	1	96	21.99	22.32	22.48	22.48	22.5			
20	16QAM	50	0	21.30	21.30	21.25	21.25				
20	16QAM	50	24	21.27	21.32	21.34	21.34				
20	16QAM	50	50	21.34	21.32	21.33	21.33				
20	16QAM	100	0	21.21	21.19	21.24	21.24	21.5			
20	16QAM	1	0	18.88	19.13	19.30	19.30				
20	16QAM	1	48	18.10	18.19	18.08	18.08				
20	16QAM	1	96	19.24	19.19	19.25	19.25				
20	16QAM	50	24	19.08	19.16	19.11	19.11	20.5			
20	16QAM	50	50	19.11	19.18	19.15	19.15				
20	16QAM	100	0	19.04	19.09	19.13	19.13				
Channel											
Frequency (MHz)											
15	QPSK	1	0	24.17	24.15	24.06	24.06			25.5	
15	QPSK	1	48	24.05	24.10	24.06	24.06				
15	QPSK	1	74	24.18	24.08	24.19	24.19				
15	QPSK	36	0	23.19	23.20	23.23	23.23				
15	QPSK	36	24	23.30	23.25	23.27	23.27	24.5			
15	QPSK	36	36	23.30	23.25	23.17	23.17				
15	QPSK	75	0	23.20	23.30	23.21	23.21				
15	16QAM	1	74	23.18	23.16	23.17	23.17				
15	16QAM	1	37	23.04	23.70	23.50	23.50	24.5			
15	16QAM	1	74	23.39	23.62	23.64	23.64				
15	16QAM	36	0	22.24	22.27	22.25	22.25				
15	16QAM	36	24	22.33	22.24	22.22	22.22				
15	16QAM	36	36	22.28	22.21	22.24	22.24	23.5			
15	16QAM	75	0	22.39	22.25	22.24	22.24				
15	16QAM	1	0	22.28	22.08	22.44	22.44				
15	16QAM	1	96	22.25	22.33	22.38	22.38				
15	16QAM	1	74	22.46	22.37	22.39	22.39	22.5			
15	16QAM	36	0	21.36	21.40	21.15	21.15				
15	16QAM	36	24	21.24	21.28	21.22	21.22				
15	16QAM	36	36	21.16	21.20	21.28	21.28				
15	16QAM	75	0	21.50	21.25	21.19	21.19	20.5			
15	16QAM	1	0	19.80	19.03	19.06	19.06				
15	16QAM	1	37	19.07	19.13	19.03	19.03				
15	16QAM	1	74	19.27	19.11	19.25	19.25				
15	16QAM	36	24	19.08	19.08	19.11	19.11	20.5			
15	16QAM	36	36	19.05	19.13	19.07	19.07				
15	16QAM	75	0	19.02	19.02	19.05	19.05				
Channel											
Frequency (MHz)											
10	QPSK	1	0	24.14	24.18	24.12	24.12	25.5			
10	QPSK	1	24	24.10	24.03	23.98	23.98				
10	QPSK	1	48	24.12	24.05	24.13	24.13				
10	QPSK	25	0	23.19	23.26	23.17	23.17				
10	QPSK	25	12	23.25	23.17	23.14	23.14	24.5			
10	QPSK	25	24	23.14	23.19	23.15	23.15				
10	QPSK	80	0	23.28	23.18	23.15	23.15				
10	16QAM	1	12	23.50	23.71	23.40	23.40				
10	16QAM	1	24	23.31	23.64	23.45	23.45	24.5			
10	16QAM	1	48	23.47	23.42	23.38	23.38				
10	16QAM	25	0	22.28	22.38	22.18	22.18				
10	16QAM	25	12	22.22	22.33	22.27	22.27				
10	16QAM	25	24	22.22	22.31	22.20	22.20	23.5			
10	16QAM	50	0	22.28	22.15	22.13	22.13				
10	16QAM	1	0	22.12	22.03	22.25	22.25				
10	16QAM	1	25	22.08	21.98	22.26	22.26				
10	16QAM	1	48	22.00	22.45	22.53	22.53	22.5			
10	16QAM	25	0	21.33	21.29	21.32	21.32				
10	16QAM	25	12	21.22	21.24	21.27	21.27				
10	16QAM	25	24	21.29	21.28	21.18	21.18				
10	16QAM	50	0	21.28	21.31	21.14	21.14	20.5			
10	16QAM	1	0	19.37	19.11	19.07	19.07				
10	16QAM	1	25	19.02	19.19	19.01	19.01				
10	16QAM	1	48	19.14	19.15	19.16	19.16				
10	16QAM	25	0	19.07	19.07	19.06	19.06	20.5			
10	16QAM	25	12	19.08	19.16	19.10	19.10				
10	16QAM	25	24	19.02	19.12	19.13	19.13				
10	16QAM	50	0	19.09	19.02	19.05	19.05				
Channel											
Frequency (MHz)											
5	QPSK	1	0	24.22	24.09	24.25	24.25	25.5			
5	QPSK	1	12	24.21	24.16	24.19	24.19				
5	QPSK	1	24	24.22	24.15	24.21	24.21				
5	QPSK	12	0	23.29	23.22	23.16	23.16				
5	QPSK	12	7	23.29	23.17	23.22	23.22	24.5			
5	QPSK	12	13	23.22	23.24	23.19	23.19				
5	QPSK	24	0	23.28	23.27	23.21	23.21				
5	16QAM	1	0	23.37	23.29	23.07	23.07				
5	16QAM	1	12	23.38	23.54	23.54	23.54	24.5			
5	16QAM	1	24	23.31	23.19	23.32	23.32				
5	16QAM	12	0	22.29	22.21	22.21	22.21				
5	16QAM	12	7	22.28	22.23	22.27	22.27				
5	16QAM	12	13	22.34	22.31	22.18	22.18	23.5			
5	16QAM	25	0	22.31	22.28	22.17	22.17				
5	16QAM	1	0	22.31	22.37	22.52	22.52				
5	16QAM	1	12	22.53	22.53	22.70	22.70				
5	16QAM	1	24	22.47	22.80	22.82	22.82	22.5			
5	16QAM	12	0	21.18	21.40	21.22	21.22				
5	16QAM	12	7	21.10	21.32	21.24	21.24				
5	16QAM	12	13	21.24	21.28	21.24	21.24				
5	16QAM	25	0	21.13	21.24	21.23	21.23	20.5			
5	16QAM	1	0	18.82	19.07	19.90	19.90				
5	16QAM	1	12	19.02	19.16	19.26	19.26				
5	16QAM	1	24	19.16	19.19	19.20	19.20				
5	16QAM	12	0	18.99	19.04	18.98	18.98	20.5			
5	16QAM	12	7	19.04	19.13	19.02	19.02				
5	16QAM	12	13	19.08	19.13	19.12	19.12				
5	16QAM	25	0	18.99	19.08	19.13	19.13				
Channel											
Frequency (MHz)											
3	QPSK	1	0	24.22	24.22	24.12	24.12	25.5			
3	QPSK	1	8	24.02	24.18	24.18	24.18				
3	QPSK	1	14	24.20	24.12	24.30	24.30				
3	QPSK	8	0	23.10	23.18	23.22	23.22				
3	QPSK	8	4	23.52	23.16	23.20	23.20	24.5			
3	QPSK	8	7	23.24	23.24	23.18	23.18				
3	16QAM	1	0	23.49	23.51	23.44	23.44				
3	16QAM	1	8	23.65	23.69	23.13	23.13				
3	16QAM	1	14	23.52	23.45	23.21	23.21	24.5			
3	16QAM	8	0	22.30	22.20	22.30	22.30				
3	16QAM	8	4	22.59	22.28	22.25	22.25				
3	16QAM	8	7	22.53	22.39	22.32	22.32				
3	16QAM	15	0	22.28	22.21	22.22	22.22	23.5			
3	16QAM	15	6	22.28	22.24	22.28	22.28				
3	16QAM	1	0	21.23	21.36	21.19	21.19				
3	16QAM	1	7	21.39	21.30	21.15	21.15				
3	16QAM	8	7	21.38	21.25	21.28	21.28	22.5			
3	16QAM	15	0	21.38	21.15	21.25	21.25				
3	16QAM	15	6	21.32	21.21	21.21	21.21				
3	16QAM	1	0	19.13	19.11	19.11	19.11				
3	16QAM	1	8	19.01	19.11	19.04	19.04	20.5			
3	16QAM	8	14	19.06	19.09	19.03	19.03				
3	16QAM	8	19	19.06	19.09	19.03	19.03				
3	16QAM	8	23	19.02	19.07	19.11	19.11				
3	16QAM	15	0	19.00	19.08	19.06	19.06				
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.97	24.00	24.04	24.04	25.5			
1.4	QPSK	1	3	23.87	23.90	23.91	23.91				
1.4	QPSK	1	6	24.02	24.02	24.02	24.02				
1.4	QPSK	3	0	24.08	24.08	24.04	24.04				
1.4	QPSK	3	1	24.12	24.00	23.97	23.97	24.5			
1.4	QPSK	6	0	23.03	23.24	23.20	23.20				
1.4	16QAM	1	0	23.34	23.50	23.17	23.17				
1.4	16QAM	1	3	23.32	23.22	22.86	22.86				
1.4	16QAM	1	6	23.32	23.22	22.86	22.86	24.5			
1.4	16QAM	1	9	23.32	23.22	22.86	22.86				
1.4	16QAM	1	12	23.32	23.22	22.86	22.86				
1.4	16QAM	1	15	23.32	23.22	22.86	22.86				
1.4	16QAM	3	0	23.07	23.17	23.12	23.12	23.5			
1.4	16QAM	3	3	23.07	23.14	23.07	23.07				
1.4	16QAM	3	6	23.07	23.14	23.07	23.07				
1.4	16QAM	3	9	23.07	23.14	23.07	23.07				
1.4	16QAM	3	12	23.07	23.14	23.07	23.07	20.5			
1.4	16QAM	3	15	23.07	23.14	23.07	23.07				
1.4	16QAM	3	18	23.07	23.14	23.07	23.07				
1.4	16QAM	3	21	23.07	23.14	23.07	23.07				
1.4	16QAM	3	24	23.07	23.14	23.07	23.07				
1.4	16QAM	3	27	23							

Band 71_Ant 0										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power High Ch.2 Freq.	Time-up [ms]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.13	24.18	24.17		25.5		
20	QPSK	1	48	24.11	24.16	24.05				
20	QPSK	1	96	24.09	24.17	24.15				
20	QPSK	1	144	23.97	23.96	23.91				
20	QPSK	50	24	23.28	23.32	23.26		24.5		
20	QPSK	50	50	22.97	23.27	23.24				
20	QPSK	100	0	23.25	23.26	23.18				
20	HQDM	1	0	23.43	23.39	23.84				
20	HQDM	1	48	23.33	23.72	23.66		24.5		
20	HQDM	1	96	23.20	23.48	23.46				
20	HQDM	50	0	22.29	22.27	22.23				
20	HQDM	50	24	22.18	22.21	22.26				
20	HQDM	50	50	22.19	22.24	22.27		23.5		
20	HQDM	100	0	22.24	22.32	22.26				
20	HQDM	1	0	22.01	22.06	22.00				
20	HQDM	1	48	21.72	22.28	22.04				
20	HQDM	1	96	22.38	22.27	22.09		22.5		
20	HQDM	50	0	21.17	21.21	21.15				
20	HQDM	50	24	21.26	21.23	21.24				
20	HQDM	50	50	21.22	21.32	21.24				
20	HQDM	100	0	21.00	21.28	21.27		20.5		
20	SSBQAM	1	0	19.47	19.33	19.40				
20	SSBQAM	1	48	19.36	19.31	19.22				
20	SSBQAM	1	96	19.24	19.16	19.11				
20	SSBQAM	50	0	19.24	19.53	19.48		20.5		
20	SSBQAM	50	24	19.25	19.53	19.53				
20	SSBQAM	50	50	19.39	19.38	19.43				
20	SSBQAM	100	0	19.45	19.48	19.50				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.10	24.09	24.13		25.5		
15	QPSK	1	36	24.16	24.07	24.14				
15	QPSK	1	72	24.13	24.18	24.11				
15	QPSK	36	0	23.41	23.31	23.28				
15	QPSK	36	36	23.42	23.37	23.28		24.5		
15	QPSK	36	36	23.38	23.33	23.23				
15	QPSK	72	0	23.40	23.31	23.31				
15	HQDM	1	0	22.74	23.54	23.49				
15	HQDM	1	36	23.04	23.66	23.79		24.5		
15	HQDM	1	72	23.07	23.77	23.42				
15	HQDM	36	0	22.39	22.29	22.27				
15	HQDM	36	36	22.32	22.26	22.24				
15	HQDM	36	36	22.32	22.31	22.24		23.5		
15	HQDM	72	0	22.35	22.28	22.28				
15	HQDM	1	0	22.41	22.09	22.47				
15	HQDM	1	36	22.25	22.33	22.48				
15	HQDM	1	72	22.28	22.86	22.24		22.5		
15	HQDM	36	0	21.27	21.37	21.21				
15	HQDM	36	36	21.28	21.28	21.25				
15	HQDM	36	36	21.30	21.29	21.26				
15	HQDM	72	0	21.32	21.26	21.21		20.5		
15	SSBQAM	1	0	19.21	19.25	19.34				
15	SSBQAM	1	36	19.26	19.40	19.15				
15	SSBQAM	1	72	19.25	19.24	19.26				
15	SSBQAM	36	0	19.49	19.58	19.49		20.5		
15	SSBQAM	36	36	19.43	19.43	19.41				
15	SSBQAM	36	36	19.38	19.34	19.33				
15	SSBQAM	72	0	19.43	19.48	19.43				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.11	24.18	24.17		25.5		
10	QPSK	1	24	24.14	24.04	24.03				
10	QPSK	1	48	24.15	24.18	24.05				
10	QPSK	24	0	23.34	23.25	23.23				
10	QPSK	24	12	23.38	23.32	23.22		24.5		
10	QPSK	24	24	23.16	23.24	23.25				
10	QPSK	48	0	23.40	23.34	23.20				
10	HQDM	1	12	23.08	23.43	23.36				
10	HQDM	1	24	23.53	23.56	23.54		24.5		
10	HQDM	1	48	23.33	23.58	23.13				
10	HQDM	24	0	22.28	22.27	22.17				
10	HQDM	24	12	22.41	22.32	22.11				
10	HQDM	24	24	22.38	22.33	22.15		23.5		
10	HQDM	48	0	22.41	22.36	22.27				
10	HQDM	1	0	22.41	22.24	22.18				
10	HQDM	1	24	21.93	22.32	22.17				
10	HQDM	1	48	21.91	22.59	22.35		22.5		
10	HQDM	24	0	21.21	21.25	21.20				
10	HQDM	24	12	21.29	21.22	21.29				
10	HQDM	24	24	21.36	21.22	21.30				
10	HQDM	48	0	21.30	21.29	21.29		20.5		
10	SSBQAM	1	0	19.29	19.44	19.27				
10	SSBQAM	1	24	19.32	19.38	19.05				
10	SSBQAM	1	48	19.13	19.32	19.07				
10	SSBQAM	24	0	19.36	19.46	19.44		20.5		
10	SSBQAM	24	12	19.37	19.44	19.38				
10	SSBQAM	24	24	19.37	19.37	19.28				
10	SSBQAM	48	0	19.39	19.44	19.31				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.13	24.18	24.11		25.5		
5	QPSK	1	12	24.14	24.12	24.17				
5	QPSK	1	24	24.18	24.15	24.16				
5	QPSK	12	0	23.19	23.16	23.05				
5	QPSK	12	6	23.26	23.21	23.22		24.5		
5	QPSK	12	12	23.21	23.18	23.10				
5	QPSK	24	0	23.26	23.24	23.17				
5	HQDM	1	0	23.30	23.69	23.53				
5	HQDM	1	12	23.46	23.53	23.53		24.5		
5	HQDM	1	24	23.28	23.82	23.54				
5	HQDM	12	0	22.34	22.30	22.21				
5	HQDM	12	6	22.20	22.25	22.23				
5	HQDM	12	12	22.20	22.27	22.13		23.5		
5	HQDM	24	0	22.20	22.20	22.24				
5	HQDM	1	0	22.13	22.08	22.35				
5	HQDM	1	12	22.27	22.39	22.25				
5	HQDM	1	24	21.92	22.23	22.22		22.5		
5	HQDM	12	0	21.04	21.05	21.08				
5	HQDM	12	6	21.12	21.32	21.11				
5	HQDM	12	12	21.18	21.18	21.20				
5	HQDM	24	0	21.12	21.16	21.19		20.5		
5	SSBQAM	1	0	19.20	19.36	19.20				
5	SSBQAM	1	12	19.31	19.30	19.06				
5	SSBQAM	1	24	19.05	19.32	19.04				
5	SSBQAM	12	0	19.34	19.45	19.34				
5	SSBQAM	12	6	19.33	19.40	19.38				
5	SSBQAM	12	12	19.27	19.34	19.28				
5	SSBQAM	24	0	19.29	19.38	19.22				

Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up (ms)		
Channel									
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	2507	2509	2511	21.1		
20	QPSK	1	48	2507	2509	2511			
20	QPSK	1	96	2507	2509	2511			
20	QPSK	1	144	2507	2509	2511			
20	QPSK	5	0	2507	2509	2511	21.1		
20	QPSK	5	24	2507	2509	2511			
20	QPSK	5	48	2507	2509	2511			
20	QPSK	5	72	2507	2509	2511			
20	QPSK	10	0	2507	2509	2511	21.1		
20	QPSK	10	24	2507	2509	2511			
20	QPSK	10	48	2507	2509	2511			
20	QPSK	10	72	2507	2509	2511			
20	QPSK	15	0	2507	2509	2511	21.1		
20	QPSK	15	24	2507	2509	2511			
20	QPSK	15	48	2507	2509	2511			
20	QPSK	15	72	2507	2509	2511			
20	QPSK	20	0	2507	2509	2511	21.1		
20	QPSK	20	24	2507	2509	2511			
20	QPSK	20	48	2507	2509	2511			
20	QPSK	20	72	2507	2509	2511			
20	QPSK	25	0	2507	2509	2511	21.1		
20	QPSK	25	24	2507	2509	2511			
20	QPSK	25	48	2507	2509	2511			
20	QPSK	25	72	2507	2509	2511			
20	QPSK	30	0	2507	2509	2511	21.1		
20	QPSK	30	24	2507	2509	2511			
20	QPSK	30	48	2507	2509	2511			
20	QPSK	30	72	2507	2509	2511			
20	QPSK	35	0	2507	2509	2511	21.1		
20	QPSK	35	24	2507	2509	2511			
20	QPSK	35	48	2507	2509	2511			
20	QPSK	35	72	2507	2509	2511			
20	QPSK	40	0	2507	2509	2511	21.1		
20	QPSK	40	24	2507	2509	2511			
20	QPSK	40	48	2507	2509	2511			
20	QPSK	40	72	2507	2509	2511			
20	QPSK	45	0	2507	2509	2511	21.1		
20	QPSK	45	24	2507	2509	2511			
20	QPSK	45	48	2507	2509	2511			
20	QPSK	45	72	2507	2509	2511			
20	QPSK	50	0	2507	2509	2511	21.1		
20	QPSK	50	24	2507	2509	2511			
20	QPSK	50	48	2507	2509	2511			
20	QPSK	50	72	2507	2509	2511			
20	QPSK	55	0	2507	2509	2511	21.1		
20	QPSK	55	24	2507	2509	2511			
20	QPSK	55	48	2507	2509	2511			
20	QPSK	55	72	2507	2509	2511			
20	QPSK	60	0	2507	2509	2511	21.1		
20	QPSK	60	24	2507	2509	2511			
20	QPSK	60	48	2507	2509	2511			
20	QPSK	60	72	2507	2509	2511			
20	QPSK	65	0	2507	2509	2511	21.1		
20	QPSK	65	24	2507	2509	2511			
20	QPSK	65	48	2507	2509	2511			
20	QPSK	65	72	2507	2509	2511			
20	QPSK	70	0	2507	2509	2511	21.1		
20	QPSK	70	24	2507	2509	2511			
20	QPSK	70	48	2507	2509	2511			
20	QPSK	70	72	2507	2509	2511			
20	QPSK	75	0	2507	2509	2511	21.1		
20	QPSK	75	24	2507	2509	2511			
20	QPSK	75	48	2507	2509	2511			
20	QPSK	75	72	2507	2509	2511			
20	QPSK	80	0	2507	2509	2511	21.1		
20	QPSK	80	24	2507	2509	2511			
20	QPSK	80	48	2507	2509	2511			
20	QPSK	80	72	2507	2509	2511			
20	QPSK	85	0	2507	2509	2511	21.1		
20	QPSK	85	24	2507	2509	2511			
20	QPSK	85	48	2507	2509	2511			
20	QPSK	85	72	2507	2509	2511			
20	QPSK	90	0	2507	2509	2511	21.1		
20	QPSK	90	24	2507	2509	2511			
20	QPSK	90	48	2507	2509	2511			
20	QPSK	90	72	2507	2509	2511			
20	QPSK	95	0	2507	2509	2511	21.1		
20	QPSK	95	24	2507	2509	2511			
20	QPSK	95	48	2507	2509	2511			
20	QPSK	95	72	2507	2509	2511			
20	QPSK	100	0	2507	2509	2511	21.1		
20	QPSK	100	24	2507	2509	2511			
20	QPSK	100	48	2507	2509	2511			
20	QPSK	100	72	2507	2509	2511			
20	QPSK	105	0	2507	2509	2511	21.1		
20	QPSK	105	24	2507	2509	2511			
20	QPSK	105	48	2507	2509	2511			
20	QPSK	105	72	2507	2509	2511			
20	QPSK	110	0	2507	2509	2511	21.1		
20	QPSK	110	24	2507	2509	2511			
20	QPSK	110	48	2507	2509	2511			
20	QPSK	110	72	2507	2509	2511			
20	QPSK	115	0	2507	2509	2511	21.1		
20	QPSK	115	24	2507	2509	2511			
20	QPSK	115	48	2507	2509	2511			
20	QPSK	115	72	2507	2509	2511			
20	QPSK	120	0	2507	2509	2511	21.1		
20	QPSK	120	24	2507	2509	2511			
20	QPSK	120	48	2507	2509	2511			
20	QPSK	120	72	2507	2509	2511			
20	QPSK	125	0	2507	2509	2511	21.1		
20	QPSK	125	24	2507	2509	2511			
20	QPSK	125	48	2507	2509	2511			
20	QPSK	125	72	2507	2509	2511			
20	QPSK	130	0	2507	2509	2511	21.1		
20	QPSK	130	24	2507	2509	2511			
20	QPSK	130	48	2507	2509	2511			
20	QPSK	130	72	2507	2509	2511			
20	QPSK	135	0	2507	2509	2511	21.1		
20	QPSK	135	24	2507	2509	2511			
20	QPSK	135	48	2507	2509	2511			
20	QPSK	135	72	2507	2509	2511			
20	QPSK	140	0	2507	2509	2511	21.1		
20	QPSK	140	24	2507	2509	2511			
20	QPSK	140	48	2507	2509	2511			
20	QPSK	140	72	2507	2509	2511			
20	QPSK	145	0	2507	2509	2511	21.1		
20	QPSK	145	24	2507	2509	2511			
20	QPSK	145	48	2507	2509	2511			
20	QPSK	145	72	2507	2509	2511			
20	QPSK	150	0	2507	2509	2511	21.1		
20	QPSK	150	24	2507	2509	2511			
20	QPSK	150	48	2507	2509	2511			
20	QPSK	150	72	2507	2509	2511			
20	QPSK	155	0	2507	2509	2511	21.1		
20	QPSK	155	24	2507	2509	2511			
20	QPSK	155	48	2507	2509	2511			
20	QPSK	155	72	2507	2509	2511			
20	QPSK	160	0	2507	2509	2511	21.1		
20	QPSK	160	24	2507	2509	2511			
20	QPSK	160	48	2507	2509	2511			
20	QPSK	160	72	2507	2509	2511			
20	QPSK	165	0	2507	2509	2511	21.1		
20	QPSK	165	24	2507	2509	2511			
20	QPSK	165	48	2507	2509	2511			
20	QPSK	165	72	2507	2509	2511			
20	QPSK	170	0	2507	2509	2511	21.1		
20	QPSK	170	24	2507	2509	2511			
20	QPSK	170	48	2507	2509	2511			
20	QPSK	170	72	2507	2509	2511			
20	QPSK	175	0	2507	2509	2511	21.1		
20	QPSK	175	24	2507	2509	2511			
20	QPSK	175	48	2507	2509	2511			
20	QPSK	175	72	2507	2509	2511			
20	QPSK	180	0	2507	2509	2511	21.1		
20	QPSK	180	24	2507	2509	2511			
20	QPSK	180	48	2507	2509	2511			
20	QPSK	180	72	2507	2509	2511			
20	QPSK	185	0	2507	2509	2511	21.1		
20	QPSK	185	24	2507	2509	2511			
20	QPSK	185	48	2507	2509	2511			
20	QPSK	185	72	2507	2509	2511			
20	QPSK	190	0	2507	2509	2511	21.1		
20	QPSK	190	24	2507	2509	2511			
20	QPSK	190	48	2507	2509	2511			
20	QPSK	190	72	2507	2509	2511			
20	QPSK	195	0	2507	2509	2511	21.1		
20	QPSK	195	24	2507	2509	2511			
20	QPSK	195	48	2507	2509	2511			
20	QPSK	195	72	2507	2509	2511			
20	QPSK	200	0	2507	2509	2511	21.1		
20	QPSK	200	24	2507	2509	2511			
20	QPSK	200	48	2507	2509	2511			
20	QPSK	200	72	2507	2509	2511			
20	QPSK	205	0	2507	2509	2511	21.1		
20	QPSK	205	24	2507	2509	2511			
20	QPSK	205	48	2507	2509	2511			
20	QPSK	205	72	2507	2509	2511			
20	QPSK	210	0	2507	2509	2511	21.1		
20	QPSK	210	24	2507	2509	2511			
20	QPSK	210	48	2507	2509	2511			
20	QPSK	210	72	2507	2509	2511			
20	QPSK	215	0	2507	2509	2511	21.1		
20	QPSK	215	24	2507	2509	2511			

Band 25_Ant 2											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Time-up [ms]	Time-down [ms]		
Channel											
Frequency (MHz)											
20	QPSK	1	0	2147	2152	2147	2152	22			
20	QPSK	1	48	2146	2143	2146	2143				
20	QPSK	50	0	2124	2123	2124	2123				
20	QPSK	50	50	2125	2129	2125	2129				
20	QPSK	100	0	2128	2136	2128	2136	22			
20	QPSK	1	0	2137	2124	2137	2124				
20	16QAM	1	48	2136	2137	2136	2137				
20	16QAM	1	96	2140	2128	2140	2128				
20	16QAM	50	0	2134	2130	2134	2130	22			
20	16QAM	50	50	2133	2135	2133	2135				
20	16QAM	100	0	2135	2138	2135	2138				
20	16QAM	1	0	2136	2127	2136	2127				
20	16QAM	1	48	2136	2137	2136	2137	22			
20	16QAM	1	96	2123	2138	2123	2138				
20	16QAM	50	24	2122	2121	2122	2121				
20	16QAM	50	50	2124	2113	2124	2113				
20	16QAM	100	0	2111	2109	2111	2109	21.5			
20	16QAM	1	0	1906	1888	1906	1888				
20	16QAM	1	48	1882	1872	1882	1872				
20	16QAM	50	0	1886	1877	1886	1877				
20	16QAM	50	50	1905	1899	1905	1899				
20	16QAM	100	0	1897	1891	1897	1891				
Channel											
Frequency (MHz)											
15	QPSK	1	0	2144	2150	2144	2150	22			
15	QPSK	1	48	2138	2134	2138	2134				
15	QPSK	1	96	2140	2133	2140	2133				
15	QPSK	36	24	2121	2116	2121	2116				
15	QPSK	36	36	2109	2113	2109	2113	22			
15	QPSK	72	0	2120	2120	2120	2120				
15	QPSK	72	72	2117	2113	2117	2113				
15	16QAM	1	36	2136	2125	2136	2125				
15	16QAM	1	72	2127	2117	2127	2117	22			
15	16QAM	36	0	2130	2111	2130	2111				
15	16QAM	36	36	2133	2124	2133	2124				
15	16QAM	72	0	2122	2108	2122	2108				
15	16QAM	72	36	2115	2120	2115	2120	22			
15	16QAM	72	72	2119	2116	2119	2116				
15	16QAM	1	0	2084	2100	2084	2100				
15	16QAM	36	24	2102	2107	2102	2107				
15	16QAM	36	36	2114	2093	2114	2093	21.5			
15	16QAM	72	0	2101	2090	2101	2090				
15	16QAM	72	36	1891	1873	1891	1873				
15	16QAM	72	72	1889	1874	1889	1874				
15	16QAM	36	24	1880	1860	1880	1860	20.5			
15	16QAM	36	36	1889	1873	1889	1873				
15	16QAM	72	0	1886	1880	1886	1880				
15	16QAM	72	36	1886	1880	1886	1880				
Channel											
Frequency (MHz)											
10	QPSK	1	0	2142	2145	2142	2145	22			
10	QPSK	1	24	2138	2139	2138	2139				
10	QPSK	1	48	2142	2135	2142	2135				
10	QPSK	24	12	2112	2109	2112	2109				
10	QPSK	24	24	2118	2113	2118	2113	22			
10	QPSK	48	0	2118	2128	2118	2128				
10	QPSK	48	48	2126	2113	2126	2113				
10	16QAM	1	36	2136	2125	2136	2125				
10	16QAM	1	72	2127	2117	2127	2117	22			
10	16QAM	36	0	2130	2111	2130	2111				
10	16QAM	36	36	2133	2124	2133	2124				
10	16QAM	72	0	2122	2108	2122	2108				
10	16QAM	72	36	2115	2120	2115	2120	22			
10	16QAM	72	72	2119	2116	2119	2116				
10	16QAM	1	0	2084	2100	2084	2100				
10	16QAM	36	24	2102	2107	2102	2107				
10	16QAM	36	36	2114	2093	2114	2093	21.5			
10	16QAM	72	0	2101	2090	2101	2090				
10	16QAM	72	36	1891	1873	1891	1873				
10	16QAM	72	72	1889	1874	1889	1874				
10	16QAM	36	24	1880	1860	1880	1860	20.5			
10	16QAM	36	36	1889	1873	1889	1873				
10	16QAM	72	0	1886	1880	1886	1880				
10	16QAM	72	36	1886	1880	1886	1880				
Channel											
Frequency (MHz)											
5	QPSK	1	0	2142	2145	2142	2145	22			
5	QPSK	1	12	2146	2138	2146	2138				
5	QPSK	1	24	2130	2136	2130	2136				
5	QPSK	12	6	2112	2106	2112	2106				
5	QPSK	12	12	2107	2117	2107	2117	22			
5	QPSK	24	0	2124	2124	2124	2124				
5	QPSK	24	12	2120	2119	2120	2119				
5	16QAM	1	12	2128	2117	2128	2117				
5	16QAM	1	24	2140	2117	2140	2117	22			
5	16QAM	12	0	2134	2113	2134	2113				
5	16QAM	12	12	2131	2127	2131	2127				
5	16QAM	24	0	2133	2128	2133	2128				
5	16QAM	24	12	2119	2099	2119	2099	22			
5	16QAM	48	0	2117	2131	2117	2131				
5	16QAM	48	12	2123	2120	2123	2120				
5	16QAM	48	24	2097	2116	2097	2116				
5	16QAM	12	6	2097	2118	2104	2118	21.5			
5	16QAM	12	12	2107	2118	2107	2118				
5	16QAM	24	12	2117	2108	2117	2108				
5	16QAM	24	24	2096	2096	2096	2096				
5	16QAM	1	0	1889	1878	1889	1878	20.5			
5	16QAM	1	12	1872	1866	1872	1866				
5	16QAM	1	24	1884	1869	1884	1869				
5	16QAM	12	0	1886	1867	1886	1867				
5	16QAM	12	12	1895	1861	1895	1861	20.5			
5	16QAM	12	24	1893	1861	1893	1861				
5	16QAM	12	36	1893	1861	1893	1861				
5	16QAM	24	0	1872	1866	1872	1866				
5	16QAM	24	12	1893	1861	1893	1861	20.5			
5	16QAM	24	24	1893	1861	1893	1861				
5	16QAM	24	36	1893	1861	1893	1861				
Channel											
Frequency (MHz)											
3	QPSK	1	0	2134	2145	2134	2145			22	
3	QPSK	1	8	2130	2125	2130	2125				
3	QPSK	1	16	2138	2127	2138	2127				
3	QPSK	8	0	2108	2119	2108	2119				
3	QPSK	8	8	2104	2108	2104	2108	22			
3	QPSK	8	16	2107	2119	2107	2119				
3	16QAM	1	8	2134	2120	2134	2120				
3	16QAM	1	16	2138	2118	2138	2118				
3	16QAM	8	0	2126	2126	2126	2126	22			
3	16QAM	8	8	2126	2120	2126	2120				
3	16QAM	8	16	2117	2133	2117	2133				
3	16QAM	16	0	2112	2133	2112	2133				
3	16QAM	16	8	2118	2130	2118	2130	22			
3	16QAM	16	16	2126	2104	2126	2104				
3	16QAM	32	0	2126	2112	2126	2112				
3	16QAM	32	16	2121	2126	2121	2126				
3	16QAM	1	0	2091	2106	2091	2106	21.5			
3	16QAM	1	8	2091	2106	2091	2106				
3	16QAM	16	0	2112	2115	2112	2115				
3	16QAM	16	8	2104	2121	2104	2121				
3	16QAM	8	7	2124	2112	2111	2112	21.5			
3	16QAM	8	15	2107	2112	2107	2112				
3	16QAM	16	0	2104	2121	2104	2121				
3	16QAM	16	8	2103	2115	2103	2115				
3	16QAM	8	0	1905	1913	1905	1913	20.5			
3	16QAM	8	8	1902	1911	1902	1911				
3	16QAM	8	16	1902	1911	1902	1911				
3	16QAM	16	0	1887	1884	1887	1884				
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	2136	2142	2136	2142	22			
1.4	QPSK	1	8	2132	2125	2132	2125				
1.4	QPSK	3	0	2113	2114	2113	2114				
1.4	QPSK	3	8	2107	2114	2107	2114				
1.4	QPSK	6	0	2126	2126	2126	2126	22			
1.4	QPSK	6	8	2126	2126	2126	2126				
1.4	16QAM	1	5	2126	2121	2126	2121				
1.4	16QAM	1	11	2124	2126	2124	2126				
1.4	16QAM	3	0	2120	2126	2120	2126	22			
1.4	16QAM	3	11	2120	2126	2120	2126				
1.4	16QAM	3	22	2126	2121	2126	2121				
1.4	16QAM	3	33	2126	2121	2126	2121				
1.4	16QAM	6	0	2115	2126	2115	2126	21.5			
1.4	16QAM	6	11	2115	2126	2115	2126				
1.4	16QAM	6	22	2126	2115	2126	2115				
1.4	16QAM	6	33	2126	2115	2126	2115				
1.4	16QAM	3	0	2088	2115	2088	2115	21.5			
1.4	16QAM	3	11	2077	2115	2077	2115				
1.4	16QAM	3	22	2117	2103	2117	2103				
1.4	16QAM	3	33	2117	2103	2117	2103				
1.4	16QAM	6	0	2108	2108	2108	2108	21.5			
1.4	16QAM	6	11	2108	2108	2108	2108				
1.4	16QAM	6	22	2108	2108	2108	2108				
1.4	16QAM	6	33	2108	2108	2108	2108				
1.4	16QAM	3	0	1886	1886	1886	1886	20.5			
1.4	16QAM	3	11	1873	1886	1873	1886				
1.4	16QAM	3	22	1886	1886	1886	1886				
1.4	16QAM	3	33	1886	1886	1886	1886				
1.4	16QAM	6	0	1887	1890	1887	1890	20.5			
1.4	16QAM	6	11	1887	1890	1887	1890				
1.4	16QAM	6	22	1887	1890	1887	1890				
1.4	16QAM	6	33	1887	1890	1887	1890				



Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Time-to-Sett (ms)
Channel							
Frequency (MHz)				2170	2180		
10	QPSK	1	0	21.66	21.66		21.8
10	QPSK	1	20	21.27	21.27		
10	QPSK	1	40	21.38	21.38		
10	QPSK	1	60	21.32	21.32		
10	QPSK	20	12	21.28	21.28		21.8
10	QPSK	20	20	21.23	21.23		
10	QPSK	20	60	21.33	21.33		
10	QPSK	20	12	21.28	21.28		
10	HQDM	1	0	21.60	21.60		21.8
10	HQDM	1	20	21.44	21.44		
10	HQDM	1	40	21.55	21.55		
10	HQDM	1	60	21.52	21.52		
10	HQDM	20	12	21.27	21.27		21.8
10	HQDM	20	20	21.15	21.15		
10	HQDM	20	60	21.24	21.24		
10	HQDM	20	12	21.26	21.26		
10	HQDM	1	0	21.63	21.63		21.8
10	HQDM	1	20	21.53	21.53		
10	HQDM	1	40	21.49	21.49		
10	HQDM	1	60	21.57	21.57		
10	HQDM	20	12	21.07	21.07		21.8
10	HQDM	20	20	21.06	21.06		
10	HQDM	20	60	20.98	20.98		
10	HQDM	20	12	21.03	21.03		
10	256QAM	1	0	19.34	19.34		20.5
10	256QAM	1	20	19.34	19.34		
10	256QAM	1	40	19.36	19.36		
10	256QAM	1	60	19.40	19.40		
10	256QAM	20	12	19.40	19.40		20.5
10	256QAM	20	20	19.38	19.38		
10	256QAM	20	60	19.22	19.22		
10	256QAM	20	12	19.22	19.22		
Channel							
Frequency (MHz)				2167.5	2170	2172.5	Time-to-Sett (ms)
5	QPSK	1	0	21.55	21.55	21.47	21.8
5	QPSK	1	10	21.10	21.09	21.13	
5	QPSK	1	24	21.33	21.35	21.32	
5	QPSK	12	0	21.27	21.22	21.28	
5	QPSK	12	1	21.10	21.13	21.23	21.8
5	QPSK	12	13	21.18	21.04	21.05	
5	QPSK	20	0	21.30	21.33	21.27	
5	HQDM	1	0	20.92	20.95	20.93	
5	HQDM	1	12	21.41	21.27	21.26	21.8
5	HQDM	1	20	21.19	21.12	21.11	
5	HQDM	12	0	21.24	21.19	21.20	
5	HQDM	12	7	21.20	21.10	21.18	
5	HQDM	12	13	21.14	21.02	21.16	21.8
5	HQDM	20	0	21.19	21.08	21.13	
5	HQDM	1	0	21.27	21.19	21.28	
5	HQDM	1	10	20.96	20.77	20.91	
5	HQDM	1	24	21.31	21.49	21.49	21.8
5	HQDM	12	0	20.96	20.77	20.91	
5	HQDM	12	7	20.90	21.00	20.99	
5	HQDM	12	13	20.81	20.80	20.79	
5	HQDM	20	0	20.96	20.85	20.96	21.8
5	256QAM	1	0	19.30	19.16	19.14	
5	256QAM	1	12	19.26	19.29	19.29	
5	256QAM	1	20	19.24	19.24	19.24	
5	256QAM	12	0	19.39	19.25	19.35	
5	256QAM	12	7	19.31	19.34	19.26	20.5
5	256QAM	12	13	19.33	19.24	19.37	
5	256QAM	20	0	19.03	19.10	19.22	
5	256QAM	20	7	19.03	19.10	19.22	

Band 66_Ant 2											
Ref	Modulation	RB Sub	RB Offset	Power Low Ch./Flux	Power Med Ch./Flux	Power High Ch./Flux	Time-up Int. (sec)				
Channel											
Frequency (MHz)				1700.2	1735.2	1769.2					
20	QPSK	1	0	21.08	21.07	21.05	21.7				
20	QPSK	1	48	21.12	21.15	21.15					
20	QPSK	1	99	21.05	21.06	21.14					
20	QPSK	50	0	21.14	21.13	21.04					
20	QPSK	50	24	21.21	21.12	21.12					
20	QPSK	50	50	21.23	21.25	21.28	21.7				
20	QPSK	100	0	21.08	21.19	21.20					
20	16QAM	1	0	21.28	21.23	21.22					
20	16QAM	1	48	21.24	21.26	21.28					
20	16QAM	1	99	21.26	20.93	21.27					
20	16QAM	50	0	21.08	21.15	21.23	21.7				
20	16QAM	50	24	21.27	21.19	21.28					
20	16QAM	50	50	21.27	21.27	21.28					
20	16QAM	100	0	21.07	21.19	21.21					
20	16QAM	1	48	21.23	21.23	21.21					
20	16QAM	1	48	21.14	20.92	21.17	21.7				
20	16QAM	1	99	21.21	21.24	21.00					
20	16QAM	50	0	21.20	21.24	21.06					
20	16QAM	50	24	21.23	21.18	21.21					
20	16QAM	50	50	21.25	21.26	21.24					
20	16QAM	100	0	21.11	21.20	21.14	20.5				
20	256QAM	1	0	18.79	19.12	19.15					
20	256QAM	1	48	19.16	19.05	18.96					
20	256QAM	1	99	19.13	19.35	19.21					
20	256QAM	50	0	19.12	19.28	18.94					
20	256QAM	50	24	19.32	19.28	19.23	20.5				
20	256QAM	50	50	19.03	19.29	19.05					
20	256QAM	100	0	18.99	19.26	18.94					
Channel											
Frequency (MHz)				1599.7	1592.92	1594.0					
15	QPSK	1	0	20.92	20.91	21.01	21.7				
15	QPSK	1	37	21.04	21.03	21.19					
15	QPSK	1	74	20.97	21.02	21.10					
15	QPSK	38	0	20.98	21.10	20.87					
15	QPSK	38	20	21.01	20.99	21.01					
15	QPSK	38	39	21.04	21.08	21.19	21.7				
15	QPSK	75	0	21.05	21.10	21.10					
15	16QAM	1	0	21.21	21.18	21.18					
15	16QAM	1	37	21.11	21.26	21.09					
15	16QAM	1	74	21.13	20.92	21.10					
15	16QAM	38	0	20.98	20.95	21.12	21.7				
15	16QAM	38	20	21.23	21.01	21.18					
15	16QAM	38	39	21.19	21.21	21.23					
15	16QAM	75	0	20.98	21.11	21.03					
15	16QAM	1	0	21.09	21.12	21.18					
15	16QAM	1	37	20.95	20.81	20.91	21.7				
15	16QAM	1	74	21.07	21.14	20.90					
15	16QAM	38	0	21.17	21.06	20.94					
15	16QAM	38	20	21.05	21.13	21.05					
15	16QAM	38	39	21.10	21.08	21.09					
15	256QAM	1	0	20.95	21.13	21.05	20.5				
15	256QAM	1	0	18.75	19.08	19.08					
15	256QAM	1	37	19.07	18.92	18.88					
15	256QAM	1	74	19.02	19.12	19.11					
15	256QAM	38	0	18.75	19.05	18.75					
15	256QAM	38	20	18.75	19.20	19.16	20.5				
15	256QAM	38	39	18.86	19.25	19.21					
15	256QAM	75	0	18.79	19.18	18.75					
Channel											
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	20.98	20.95	20.93	21.7				
10	QPSK	1	25	21.00	21.13	21.27					
10	QPSK	1	48	21.02	21.03	21.13					
10	QPSK	25	0	21.01	21.02	20.96					
10	QPSK	25	12	21.18	20.93	21.12					
10	QPSK	25	28	21.07	21.05	21.27	21.7				
10	QPSK	50	0	20.92	20.99	21.09					
10	16QAM	1	0	21.11	21.17	21.08					
10	16QAM	1	25	21.23	21.22	21.10					
10	16QAM	1	48	21.18	20.78	21.17					
10	16QAM	25	0	20.90	20.98	21.10	21.7				
10	16QAM	25	12	21.27	21.15	21.11					
10	16QAM	25	25	21.20	21.23	21.24					
10	16QAM	50	0	20.88	21.11	21.04					
10	16QAM	1	0	21.12	21.09	21.10					
10	16QAM	1	25	20.97	20.97	21.01	21.7				
10	16QAM	1	48	21.07	21.09	20.90					
10	16QAM	25	0	21.08	21.19	21.02					
10	16QAM	25	12	21.06	20.98	21.12					
10	16QAM	25	25	21.21	21.14	21.11					
10	16QAM	50	0	21.08	21.12	20.98	20.5				
10	256QAM	1	0	18.92	19.02	19.10					
10	256QAM	1	25	19.02	18.87	19.02					
10	256QAM	1	48	19.08	19.16	19.09					
10	256QAM	25	0	19.00	19.23	19.16					
10	256QAM	25	12	18.77	19.15	19.03	20.5				
10	256QAM	25	25	18.75	19.15	18.93					
10	256QAM	50	0	18.91	19.07	18.81					
Channel											
Frequency (MHz)				1599.7	1592.92	1594.0					
5	QPSK	1	0	20.88	21.03	21.08	21.7				
5	QPSK	1	12	21.06	21.08	21.15					
5	QPSK	1	24	20.98	20.90	21.14					
5	QPSK	12	0	20.94	21.03	20.97					
5	QPSK	12	7	21.02	21.09	21.07					
5	QPSK	12	13	21.12	21.18	21.10	21.7				
5	QPSK	25	0	21.02	21.12	21.00					
5	16QAM	1	0	21.21	21.20	21.15					
5	16QAM	1	12	21.23	21.24	21.27					
5	16QAM	1	24	21.11	20.73	21.26					
5	16QAM	12	0	20.89	20.97	21.11	21.7				
5	16QAM	12	7	21.03	21.14	21.26					
5	16QAM	12	13	21.13	21.07	21.24					
5	16QAM	25	0	20.91	21.13	21.01					
5	16QAM	1	0	21.22	21.08	21.08					
5	16QAM	1	12	21.19	20.77	21.03	21.7				
5	16QAM	1	24	21.21	21.05	21.00					
5	16QAM	12	0	21.07	21.11	21.00					
5	16QAM	12	7	21.19	21.12	21.01					
5	16QAM	12	13	21.08	21.20	21.09					
5	16QAM	25	0	21.05	21.10	21.09	20.5				
5	256QAM	1	0	18.63	18.99	19.01					
5	256QAM	1	12	19.13	18.93	19.08					
5	256QAM	1	24	18.93	19.21	19.09					
5	256QAM	12	0	19.08	19.13	18.90					
5	256QAM	12	7	18.92	19.23	19.20	20.5				
5	256QAM	12	13	18.77	19.23	18.81					
5	256QAM	25	0	18.67	19.15	18.77					
Channel											
Frequency (MHz)				1711.5	1745	1775.5					
3	QPSK	1	0	20.81	21.06	21.06	21.7				
3	QPSK	1	14	20.92	20.92	20.99					
3	QPSK	1	28	21.01	21.05	20.95					
3	QPSK	14	0	21.02	21.03	21.04					
3	QPSK	14	7	21.09	21.09	21.12					
3	QPSK	15	0	20.88	21.18	21.04	21.7				
3	QPSK	15	14	21.11	21.19	21.17					
3	16QAM	1	8	21.19	21.21	21.15					
3	16QAM	1	14	21.24	20.78	21.10					
3	16QAM	15	0	20.98	21.12	21.08					
3	16QAM	8	4	21.28	21.08	21.26	21.7				
3	16QAM	8	14	21.12	21.09	21.28					
3	16QAM	15	0	21.05	21.18	21.23					
3	16QAM	1	0	21.21	21.14	21.09					
3	16QAM	1	8	21.22	21.02	21.02					
3	16QAM	1	14	21.14	21.12	21.04	21.7				
3	16QAM	8	0	21.18	21.20	21.02					
3	16QAM	8	7	21.18	21.19	21.24					
3	16QAM	15	0	21.01	21.04	20.95					
3	16QAM	1	0	21.21	21.02	21.02					
3	256QAM	1	8	19.18	19.31	19.35	20.5				
3	256QAM	1	14	19.06	19.33	19.15					
3	256QAM	8	0	18.75	19.27	19.11					
3	256QAM	8	7	18.75	19.27	19.11					
3	256QAM	15	0	18.92	19.23	18.84					
3	256QAM	3	3	18.82	19.21	18.84	20.2				
3	256QAM	3	10	19.20	19.23	19.22					
3	256QAM	3	17	19.18	19.23	19.23					
3	256QAM	3	24	19.18	19.23	19.23					
3	256QAM	3	31	19.18	19.23	19.23	20.2				
3	256QAM	3	38	19.18	19.23	19.23					
3	256QAM	3	45	19.18	19.23	19.23					
3	256QAM	3	52	19.18	19.23	19.23					
3	256QAM	3	59	19.18	19.23	19.23	20.2				
3	256QAM	3	66	19.18	19.23	19.23					
3	256QAM	3	73	19.18	19.23	19.23					
3	256QAM	3	80	19.18	19.23	19.23					
3	256QAM	3	87	19.18	19.23	19.23	20.2				
3	256QAM	3	94	19.18	19.23	19.23					
3	256QAM	3	101	19.18	19.23	19.23					
3	256QAM	3	108	19.18	19.23	19.23					
3	256QAM	3	115	19.18	19.23	19.23	20.2				
3	256QAM	3	122	19.18	19.23	19.23					
3	256QAM	3	129	19.18	19.23	19.23					
3	256QAM	3	136	19.18	19.23	19.23					
3	256QAM	3	143	19.18	19.23	19.23	20.2				
3	256QAM	3	150	19.18	19.23	19.23					
3	256QAM	3	157	19.18	19.23	19.23					
3	256QAM	3	164	19.18	19.23	19.23					
3	256QAM	3	171	19.18	19.23	19.23	20.2				
3	256QAM	3	178	19.18	19.23	19.23					
3	256QAM	3	185	19.18	19.23	19.23					
3	256QAM	3	192	19.1							

Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up (ms)		
Channel				2510	2510	2510			
Frequency (MHz)				2510	2510	2510			
20	QPSK	1	0	20.97	21.02	21.10	22.3		
20	QPSK	1	48	20.97	20.73	20.97			
20	QPSK	1	50	20.82	20.85	20.74			
20	QPSK	50	0	20.72	20.85	20.85	22.3		
20	QPSK	50	24	20.73	20.86	20.97			
20	QPSK	50	50	20.87	20.72	20.88			
20	QPSK	100	0	20.71	20.78	21.08	22.3		
20	16QAM	1	0	20.89	20.42	20.80			
20	16QAM	1	48	20.88	20.36	20.99			
20	16QAM	1	50	20.97	20.32	20.82	22.3		
20	16QAM	50	0	20.73	20.77	20.71			
20	16QAM	50	25	20.75	20.75	20.76			
20	16QAM	50	50	20.74	20.59	20.87	22.3		
20	16QAM	100	0	20.73	20.82	20.83			
20	16QAM	1	0	20.81	21.04	20.86	22.3		
20	16QAM	1	48	20.87	20.94	21.07			
20	16QAM	1	50	20.94	21.02	21.06			
20	16QAM	50	0	21.02	21.01	21.08	22.3		
20	16QAM	50	24	21.04	21.05	21.04			
20	16QAM	50	50	21.08	21.00	21.05			
20	16QAM	100	0	21.08	21.02	20.99	20.5		
20	256QAM	1	0	19.29	19.19	19.21			
20	256QAM	1	48	19.15	19.30	19.07			
20	256QAM	1	50	19.03	19.03	19.04	20.5		
20	256QAM	50	0	19.10	19.20	19.13			
20	256QAM	50	24	19.25	19.48	19.27			
20	256QAM	50	50	19.45	19.21	19.49	20.5		
20	256QAM	100	0	19.15	19.10	19.42			
Channel				2507.5	2510	2502.5			
Frequency (MHz)				2507.5	2510	2502.5			
15	QPSK	1	0	20.84	20.98	21.02	22.3		
15	QPSK	1	30	20.81	20.73	20.86			
15	QPSK	1	74	20.84	20.84	20.81			
15	QPSK	30	0	20.70	20.80	20.45	22.3		
15	QPSK	30	20	20.05	20.78	20.87			
15	QPSK	30	30	20.87	20.84	20.80			
15	QPSK	75	0	20.71	20.75	20.94	22.3		
15	16QAM	1	0	20.81	20.48	20.73			
15	16QAM	1	37	20.84	20.55	20.88			
15	16QAM	1	75	20.89	20.33	20.85	22.3		
15	16QAM	30	0	20.59	20.75	20.84			
15	16QAM	30	20	20.70	20.61	20.80			
15	16QAM	30	30	20.38	20.56	20.54	22.3		
15	16QAM	75	0	20.84	20.48	20.55			
15	16QAM	1	0	20.77	20.88	20.87			
15	16QAM	1	30	20.37	20.75	21.02	22.3		
15	16QAM	1	74	20.84	21.02	20.88			
15	16QAM	30	0	20.97	20.87	20.96			
15	16QAM	30	20	20.87	20.82	21.01	22.3		
15	16QAM	30	30	20.89	20.91	20.98			
15	16QAM	75	0	20.84	21.00	20.97			
15	256QAM	1	0	19.27	19.18	19.08	20.5		
15	256QAM	1	37	19.08	19.16	19.38			
15	256QAM	1	75	19.07	19.07	19.04			
15	256QAM	30	0	19.30	19.09	19.05	20.5		
15	256QAM	30	20	19.23	19.38	19.09			
15	256QAM	30	30	19.34	19.00	19.34			
15	256QAM	75	0	19.35	19.34	19.31	20.5		
Channel				2500	2100	2100			
Frequency (MHz)				2500	2500	2500			
10	QPSK	1	0	20.30	20.82	21.01	22.3		
10	QPSK	1	25	20.59	20.83	20.78			
10	QPSK	1	48	20.84	20.82	20.87			
10	QPSK	25	0	20.71	20.86	20.87	22.3		
10	QPSK	25	12	20.81	20.80	20.86			
10	QPSK	25	24	20.81	20.82	20.82			
10	QPSK	80	0	20.87	20.83	20.95	22.3		
10	16QAM	1	0	20.83	20.40	20.72			
10	16QAM	1	24	20.48	20.36	20.97			
10	16QAM	1	48	20.80	20.30	20.78	22.3		
10	16QAM	25	0	20.80	20.84	20.82			
10	16QAM	25	12	20.79	20.83	20.84			
10	16QAM	25	25	20.88	20.50	20.88	22.3		
10	16QAM	80	0	20.83	20.80	20.83			
10	16QAM	1	0	20.85	20.87	20.84			
10	16QAM	1	25	20.83	20.82	21.04	22.3		
10	16QAM	1	48	20.74	21.00	20.90			
10	16QAM	25	0	20.96	20.82	21.01			
10	16QAM	25	12	20.97	20.98	20.92	22.3		
10	16QAM	25	25	20.98	20.92	20.88			
10	16QAM	80	0	20.99	21.02	20.95			
10	256QAM	1	0	19.24	19.12	19.07	20.5		
10	256QAM	1	25	19.00	19.24	19.03			
10	256QAM	1	48	18.89	18.87	18.92			
10	256QAM	25	0	19.06	19.17	19.00	20.5		
10	256QAM	25	12	19.18	19.48	19.11			
10	256QAM	25	25	19.38	19.21	19.44			
10	256QAM	80	0	19.11	19.05	19.08	20.5		
Channel				2077.5	2100	2102.5			
Frequency (MHz)				2077.5	2075	2077.5			
5	QPSK	1	0	20.72	20.88	20.84	22.3		
5	QPSK	1	12	20.59	20.89	20.89			
5	QPSK	1	24	20.74	20.72	20.73			
5	QPSK	12	0	20.86	20.84	20.85	22.3		
5	QPSK	12	7	20.81	20.78	20.84			
5	QPSK	12	13	20.82	20.85	20.81			
5	QPSK	24	0	20.70	20.68	21.01	22.3		
5	16QAM	1	0	20.49	20.36	20.76			
5	16QAM	1	12	20.63	20.45	20.81			
5	16QAM	1	24	20.82	20.38	20.75	22.3		
5	16QAM	12	0	20.59	20.72	20.83			
5	16QAM	12	7	20.83	20.85	20.87			
5	16QAM	12	13	20.89	20.39	20.84	22.3		
5	16QAM	25	0	20.87	20.55	20.98			
5	16QAM	1	0	20.78	20.90	20.73			
5	16QAM	1	12	20.48	20.84	21.01	22.3		
5	16QAM	1	25	20.77	21.01	21.01			
5	16QAM	12	0	20.84	20.92	20.99			
5	16QAM	12	7	20.85	21.02	20.85	22.3		
5	16QAM	12	13	20.97	20.98	21.02			
5	16QAM	25	0	21.00	20.94	20.94			
5	256QAM	1	0	19.24	19.06	19.07	20.5		
5	256QAM	1	12	18.97	19.18	19.06			
5	256QAM	1	24	19.01	19.38	18.88			
5	256QAM	12	0	19.04	19.03	19.00	20.5		
5	256QAM	12	7	19.34	19.48	19.12			
5	256QAM	12	13	19.44	19.20	19.29			
5	256QAM	25	0	19.06	19.06	19.37			

Band 25_Ant 2										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Time-up [ms]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.21	22.41	22.57			23.2	
20	QPSK	1	48	21.31	22.12	22.24				
20	QPSK	1	56	22.13	22.38	22.51				
20	QPSK	56	0	22.04	21.97	21.96				
20	QPSK	56	24	22.01	22.07	21.99			23.2	
20	QPSK	56	56	22.08	22.09	22.04				
20	QPSK	168	0	21.98	22.00	22.02				
20	16QAM	1	0	21.95	22.43	22.04				
20	16QAM	1	48	22.14	21.99	22.10			23.2	
20	16QAM	1	56	22.45	22.19	21.91				
20	16QAM	56	0	22.04	22.02	21.92				
20	16QAM	56	24	21.98	22.05	21.92				
20	16QAM	56	56	22.03	22.04	21.97			23.2	
20	16QAM	168	0	21.95	21.99	21.97				
20	16QAM	1	0	22.04	21.95	21.91				
20	16QAM	1	48	21.67	21.59	22.08				
20	16QAM	1	56	22.07	21.89	21.53			23.2	
20	16QAM	56	0	20.95	20.95	21.00				
20	16QAM	56	24	20.94	20.94	20.89				
20	16QAM	56	56	20.88	20.90	20.93				
20	16QAM	168	0	20.93	21.01	20.97			23.2	
20	256QAM	1	0	19.98	18.88	18.93				
20	256QAM	1	48	18.82	18.72	18.96				
20	256QAM	1	56	18.86	19.17	19.08				
20	256QAM	56	0	19.05	19.09	18.90				
20	256QAM	56	24	18.97	19.11	19.02			23.2	
20	256QAM	56	56	19.00	19.18	19.01				
20	256QAM	168	0	18.89	18.98	18.99				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.14	22.37	22.55			23.2	
15	QPSK	1	36	21.81	22.07	22.16				
15	QPSK	1	74	22.11	22.34	22.51				
15	QPSK	36	0	21.68	21.92	21.89				
15	QPSK	36	20	21.97	22.03	21.95			23.2	
15	QPSK	36	36	22.01	22.05	22.03				
15	QPSK	72	0	21.95	21.98	21.99				
15	16QAM	1	0	21.67	22.39	21.98				
15	16QAM	1	36	22.13	21.92	22.06			23.2	
15	16QAM	1	74	22.41	22.12	21.90				
15	16QAM	36	0	21.97	21.93	21.88				
15	16QAM	36	20	21.88	21.98	21.96				
15	16QAM	36	36	22.01	21.96	21.97			23.2	
15	16QAM	72	0	21.90	21.89	21.82				
15	16QAM	1	0	22.01	21.84	21.89				
15	16QAM	1	36	21.93	21.92	22.02				
15	16QAM	1	74	22.02	21.80	21.48			23.2	
15	16QAM	36	0	20.81	20.86	20.98				
15	16QAM	36	20	20.93	20.89	20.87				
15	16QAM	36	36	20.94	20.95	20.92				
15	16QAM	72	0	20.94	20.91	20.91			23.2	
15	256QAM	1	0	19.94	18.83	18.85				
15	256QAM	1	36	18.76	19.13	18.94				
15	256QAM	1	74	18.78	19.06	18.92				
15	256QAM	36	0	19.05	19.04	18.97				
15	256QAM	36	20	18.96	19.08	18.98			23.2	
15	256QAM	36	36	18.99	19.13	18.94				
15	256QAM	72	0	18.89	18.91	18.99				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.13	22.31	22.48			23.2	
10	QPSK	1	20	21.91	22.04	22.23				
10	QPSK	1	48	22.13	22.31	21.98				
10	QPSK	20	0	21.88	21.96	21.89				
10	QPSK	20	12	22.01	22.05	21.99			23.2	
10	QPSK	20	24	22.01	22.05	22.00				
10	QPSK	80	0	21.89	21.97	21.95				
10	16QAM	1	0	21.88	22.38	21.98				
10	16QAM	1	20	22.14	21.98	22.03			23.2	
10	16QAM	1	48	22.37	22.10	21.83				
10	16QAM	20	0	21.98	21.92	21.87				
10	16QAM	20	12	21.91	22.03	21.98				
10	16QAM	20	24	21.99	21.98	21.94			23.2	
10	16QAM	80	0	21.86	21.93	21.80				
10	16QAM	1	0	22.03	21.83	21.98				
10	16QAM	1	20	21.84	21.80	22.07				
10	16QAM	1	48	21.99	21.86	21.44			23.2	
10	16QAM	20	0	20.87	20.88	20.90				
10	16QAM	20	12	20.85	20.90	20.93				
10	16QAM	20	24	20.94	20.97	20.90				
10	16QAM	80	0	20.93	20.91	20.97			23.2	
10	256QAM	1	0	19.93	18.76	18.82				
10	256QAM	1	20	18.75	19.15	18.97				
10	256QAM	1	48	18.88	19.17	19.01				
10	256QAM	20	0	18.96	19.08	18.95				
10	256QAM	20	12	18.97	19.09	18.98			23.2	
10	256QAM	20	24	18.93	19.15	18.96				
10	256QAM	80	0	18.84	18.91	18.94				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.12	22.40	22.48			23.2	
5	QPSK	1	12	21.86	22.06	22.16				
5	QPSK	1	24	22.11	22.28	21.94				
5	QPSK	12	0	21.98	21.99	21.94				
5	QPSK	12	7	21.97	21.99	21.93			23.2	
5	QPSK	12	13	22.02	22.07	21.98				
5	QPSK	24	0	21.92	22.00	21.95				
5	16QAM	1	0	21.94	22.35	22.00				
5	16QAM	1	12	22.11	21.96	22.01			23.2	
5	16QAM	1	24	22.40	22.11	21.88				
5	16QAM	12	0	21.94	22.02	21.94				
5	16QAM	12	7	21.98	22.00	21.97				
5	16QAM	12	13	22.01	22.02	21.96			23.2	
5	16QAM	24	0	21.89	21.90	21.78				
5	16QAM	1	0	22.04	21.82	21.97				
5	16QAM	1	12	21.98	21.85	21.88				
5	16QAM	1	24	22.01	21.81	21.48			23.2	
5	16QAM	12	0	20.90	20.90	20.94				
5	16QAM	12	7	20.90	20.92	20.82				
5	16QAM	12	13	20.97	20.94	20.92				
5	16QAM	24	0	20.95	20.92	20.96			23.2	
5	256QAM	1	0	19.92	18.88	18.94				
5	256QAM	1	12	18.73	19.16	18.88				
5	256QAM	1	24	18.84	19.17	19.08				
5	256QAM	12	0	18.98	18.99	18.97				
5	256QAM	12	7	18.97	19.02	18.92			23.2	
5	256QAM	12	13	18.99	19.13	18.90				
5	256QAM	24	0	18.78	18.90	18.96				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.21	22.41	22.49			23.2	
3	QPSK	1	8	21.67	22.04	22.18				
3	QPSK	1	14	22.06	22.32	21.94				
3	QPSK	8	0	22.04	21.93	21.88				
3	QPSK	8	4	21.96	21.98	21.91			23.2	
3	QPSK	8	7	21.99	22.01	22.00				
3	QPSK	16	0	21.99	22.06	21.99				
3	16QAM	1	0	21.93	22.35	22.00				
3	16QAM	1	8	22.04	21.98	22.10			23.2	
3	16QAM	1	14	22.09	22.11	21.87				
3	16QAM	8	0	21.96	22.02	21.93				
3	16QAM	8	4	21.95	21.97	22.01				
3	16QAM	8	7	21.96	21.98	21.93			23.2	
3	16QAM	16	0	21.93	21.94	21.84				
3	16QAM	1	0	22.02	21.85	21.91				
3	16QAM	1	8	21.93	21.82	22.05				
3	16QAM	1	14	21.97	21.86	21.51			23.2	
3	16QAM	8	0	20.89	20.89	20.86				
3	16QAM	8	4	20.87	20.92	20.83				
3	16QAM	8	7	20.78	20.94	20.89				
3	16QAM	16	0	20.95	20.95	20.89			23.2	
3	16QAM	1	0	20.95	20.95	20.90				
3	16QAM	1	8	20.88	20.91	20.84				
3	16QAM	1	14	20.89	20.92	20.85				
3	16QAM	8	0	20.90	20.93	20.87				
3	16QAM	8	4	20.88	20.92	20.85			23.2	
3	16QAM	8	7	20.83	20.98	20.85				
3	16QAM	16	0	20.89	20.92	20.89				
3	16QAM	1	0	20.90	20.90	20.85				
3	16QAM	1	8	20.83	20.92	20.85				
3	16QAM	1	14	20.89	20.92	20.85			23.2	
3	16QAM	8	0	20.89	20.92	20.85				
3	16QAM	8	4	20.88	20.93	20.85				
3	16QAM	8	7	20.81	20.97	20.82				
3	16QAM	16	0	20.89	20.92	20.82				



Band 30_Ant 2						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Time-up (ms)
Channel				21710	21710	
Frequency (MHz)				21710		
10	QPSK	1	0	21.66		23
10	QPSK	1	26	21.27		
10	QPSK	1	49	21.38		
10	QPSK	26	0	21.32		23
10	QPSK	26	12	21.28		
10	QPSK	26	25	21.23		
10	QPSK	50	0	21.33		23
10	HQDM	1	0	21.60		
10	HQDM	1	25	21.44		
10	HQDM	1	49	21.25		23
10	HQDM	25	0	21.32		
10	HQDM	25	12	21.27		
10	HQDM	25	25	21.15		23
10	HQDM	50	0	21.24		
10	HQDM	1	0	21.36		
10	HQDM	1	25	21.03		23
10	HQDM	1	49	21.49		
10	HQDM	26	0	20.97		
10	HQDM	26	12	21.06		22.5
10	HQDM	25	25	20.88		
10	HQDM	50	0	21.03		
10	256QAM	1	0	19.34		20
10	256QAM	1	25	19.34		
10	256QAM	1	49	19.36		
10	256QAM	25	0	19.40		20
10	256QAM	25	12	19.40		
10	256QAM	25	25	19.38		
10	256QAM	50	0	19.22		20
Channel				21685	21710	
Frequency (MHz)				2167.5	2170	
5	QPSK	1	0	21.55	21.50	23
5	QPSK	1	18	21.10	21.10	
5	QPSK	1	24	21.33	21.35	
5	QPSK	12	0	21.27	21.22	23
5	QPSK	12	6	21.10	21.13	
5	QPSK	12	18	21.18	21.04	
5	QPSK	25	0	21.30	21.33	23
5	HQDM	1	0	21.02	21.05	
5	HQDM	1	12	21.41	21.27	
5	HQDM	1	25	21.19	21.12	23
5	HQDM	12	0	21.24	21.19	
5	HQDM	12	6	21.20	21.10	
5	HQDM	12	18	21.14	21.02	23
5	HQDM	25	0	21.19	21.08	
5	HQDM	1	0	21.27	21.19	
5	HQDM	1	18	21.06	21.01	23
5	HQDM	1	24	21.31	21.49	
5	HQDM	12	0	20.96	20.77	
5	HQDM	12	6	20.90	21.00	22.5
5	HQDM	12	18	20.81	20.80	
5	HQDM	25	0	20.86	20.85	
5	256QAM	1	0	19.30	19.16	20
5	256QAM	1	12	19.26	19.29	
5	256QAM	1	25	19.24	19.24	
5	256QAM	12	0	19.39	19.25	20
5	256QAM	12	6	19.31	19.34	
5	256QAM	12	18	19.33	19.24	
5	256QAM	25	0	19.03	19.10	20

Band 66_Ant 2											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power High Ch. F [MHz]	Power Low Ch. F [MHz]	Power High Ch. F [MHz]	Time-up [ms]	Time-down [ms]		
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.22	22.47	22.21	22.47	23.8			
20	QPSK	1	48	22.41	22.49	22.52	22.52				
20	QPSK	56	0	22.09	22.07	22.07	22.07				
20	QPSK	56	24	22.15	22.20	22.10	22.10				
20	QPSK	56	56	22.17	22.22	22.24	22.24	23.8			
20	QPSK	160	0	22.15	22.09	22.18	22.18				
20	16QAM	1	0	22.51	22.36	22.13	22.13				
20	16QAM	1	96	21.08	22.09	21.96	21.96				
20	16QAM	56	0	22.09	22.07	22.05	22.05	23.8			
20	16QAM	56	24	22.04	22.17	22.06	22.06				
20	16QAM	56	56	22.20	22.07	22.15	22.15				
20	16QAM	160	0	20.95	20.99	21.02	21.02				
20	256QAM	1	0	18.79	19.12	19.15	19.15	20.5			
20	256QAM	1	48	19.19	19.05	19.04	19.04				
20	256QAM	56	0	19.13	19.35	19.21	19.21				
20	256QAM	56	24	19.12	19.26	19.23	19.23				
20	256QAM	56	96	19.33	19.29	19.55	19.55				
20	256QAM	160	0	18.96	19.28	19.34	19.34				
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.17	22.43	22.14	22.14	23.8			
15	QPSK	1	37	22.23	22.29	22.34	22.34				
15	QPSK	1	74	21.96	22.35	22.27	22.27				
15	QPSK	36	0	21.08	21.87	22.00	22.00				
15	QPSK	36	24	21.18	22.18	22.15	22.15	23.8			
15	QPSK	36	36	22.17	22.07	22.14	22.14				
15	QPSK	72	0	22.03	22.03	22.18	22.18				
15	16QAM	1	0	22.06	22.06	22.20	22.20				
15	16QAM	1	37	22.49	22.28	22.05	22.05	23.8			
15	16QAM	1	74	21.91	21.98	21.89	21.89				
15	16QAM	36	0	21.92	21.94	21.87	21.87				
15	16QAM	36	24	21.97	22.08	21.89	21.89				
15	16QAM	36	36	22.20	21.91	22.04	22.04	23.5			
15	16QAM	72	0	21.95	21.91	22.04	22.04				
15	16QAM	1	0	21.96	22.09	21.85	21.85				
15	16QAM	1	37	22.13	22.18	22.03	22.03				
15	16QAM	1	74	22.24	21.92	22.33	22.33	23.5			
15	16QAM	36	0	20.84	21.81	20.77	20.77				
15	16QAM	36	24	21.10	20.93	20.93	20.93				
15	16QAM	36	36	20.98	21.90	20.89	20.89				
15	16QAM	72	0	20.81	20.83	21.00	21.00	20.5			
15	256QAM	1	0	19.74	19.98	19.10	19.10				
15	256QAM	1	37	19.67	19.86	19.93	19.93				
15	256QAM	1	74	19.99	19.15	19.15	19.15				
15	256QAM	36	0	19.35	19.24	19.04	19.04	20.5			
15	256QAM	36	24	19.88	19.14	19.12	19.12				
15	256QAM	36	36	19.81	19.23	19.15	19.15				
15	256QAM	72	0	19.91	19.16	19.74	19.74				
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.14	22.37	22.11	22.11	23.8			
10	QPSK	1	25	22.31	22.47	22.48	22.48				
10	QPSK	25	0	22.05	22.05	22.07	22.07				
10	QPSK	25	12	22.15	22.15	22.00	22.00				
10	QPSK	25	24	22.13	22.21	22.22	22.22	23.8			
10	QPSK	80	0	22.10	22.03	22.14	22.14				
10	16QAM	1	0	22.10	22.21	22.29	22.29				
10	16QAM	1	25	22.47	22.32	22.13	22.13				
10	16QAM	1	48	21.95	22.07	21.90	21.90	23.8			
10	16QAM	25	0	22.03	21.94	21.94	21.94				
10	16QAM	25	12	22.01	22.11	21.98	21.98				
10	16QAM	25	25	22.17	21.98	22.12	22.12				
10	16QAM	80	0	22.05	21.98	22.05	22.05	23.5			
10	16QAM	1	0	22.10	22.10	21.85	21.85				
10	16QAM	1	25	22.11	22.18	22.15	22.15				
10	16QAM	1	48	22.25	22.01	22.35	22.35				
10	16QAM	25	0	21.03	21.05	20.82	20.82	20.5			
10	16QAM	25	12	21.05	21.08	21.00	21.00				
10	16QAM	25	25	21.02	21.02	21.03	21.03				
10	16QAM	80	0	20.87	20.93	20.93	20.93				
10	256QAM	1	0	19.27	19.25	19.11	19.11	20.5			
10	256QAM	1	25	19.08	19.17	19.04	19.04				
10	256QAM	25	12	19.26	19.18	19.18	19.18				
10	256QAM	25	25	19.83	19.25	19.93	19.93				
10	256QAM	80	0	19.00	19.18	19.92	19.92				
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.22	22.45	22.15	22.15	23.8			
5	QPSK	1	12	22.37	22.43	22.46	22.46				
5	QPSK	1	24	22.03	22.35	22.37	22.37				
5	QPSK	14	0	22.01	22.07	21.97	21.97				
5	QPSK	12	7	22.09	22.17	22.03	22.03	23.8			
5	QPSK	12	13	22.17	22.21	22.23	22.23				
5	QPSK	24	0	22.09	22.02	22.13	22.13				
5	16QAM	1	0	22.08	22.13	22.24	22.24				
5	16QAM	1	12	22.51	22.28	22.06	22.06	23.8			
5	16QAM	1	24	21.93	22.00	21.94	21.94				
5	16QAM	12	0	22.01	21.89	22.00	22.00				
5	16QAM	12	13	22.20	22.02	22.12	22.12				
5	16QAM	24	0	22.05	21.99	22.01	22.01	23.5			
5	16QAM	1	0	22.03	22.12	21.98	21.98				
5	16QAM	1	12	22.06	22.17	22.15	22.15				
5	16QAM	1	24	22.27	21.98	22.32	22.32				
5	16QAM	12	0	20.98	21.02	20.98	20.98	23.5			
5	16QAM	12	7	21.03	21.03	21.03	21.03				
5	16QAM	12	13	21.02	21.01	21.02	21.02				
5	16QAM	24	0	20.95	20.94	20.97	20.97				
5	256QAM	1	0	18.89	19.09	19.12	19.12	20.5			
5	256QAM	1	12	19.10	19.04	18.87	18.87				
5	256QAM	1	24	19.09	19.28	19.18	19.18				
5	256QAM	12	0	19.11	19.16	19.85	19.85				
5	256QAM	12	7	19.86	19.22	19.21	19.21	20.5			
5	256QAM	12	13	19.84	19.25	19.84	19.84				
5	256QAM	24	0	19.87	19.24	19.94	19.94				
5	256QAM	24	7	19.87	19.29	19.94	19.94				
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.12	22.37	22.12	22.12	23.8			
3	QPSK	1	8	22.29	22.38	22.48	22.48				
3	QPSK	1	14	22.09	22.39	22.30	22.30				
3	QPSK	8	0	22.02	22.00	22.03	22.03				
3	QPSK			22.09	22.07	22.07	22.07	23.8			
3	QPSK	8	7	22.11	22.13	22.19	22.19				
3	QPSK	16	0	22.13	22.15	22.17	22.17				
3	16QAM	1	0	22.07	22.17	22.28	22.28				
3	16QAM	1	8	22.48	22.33	22.11	22.11	23.8			
3	16QAM	1	14	22.09	22.39	22.30	22.30				
3	16QAM	8	0	21.98	21.90	21.94	21.94				
3	16QAM	8	8	21.97	21.84	21.87	21.87				
3	16QAM	8	16	21.99	21.86	22.02	22.02	23.5			
3	16QAM	8	24	22.10	22.08	21.87	21.87				
3	16QAM	8	32	22.09	22.17	22.17	22.17				
3	16QAM	1	0	21.02	21.08	20.88	20.88				
3	16QAM	1	8	21.04	21.08	21.02	21.02	23.5			
3	16QAM	8	7	21.00	21.04	21.03	21.03				
3	16QAM	16	0	20.96	20.99	20.95	20.95				
3	16QAM	16	8	20.97	20.94	20.98	20.98				
3	256QAM	1	8	19.18	19.00	18.98	18.98	20.5			
3	256QAM	1	16	19.17	19.06	19.06	19.06				
3	256QAM	8	0	19.11	19.21	19.07	19.07				
3	256QAM	8	4	18.85	19.23	19.17	19.17				
3	256QAM	8	12	18.92	19.22	19.21	19.21				
3	256QAM	16	0	18.96	19.20	19.84	19.84				
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.19	22.43	22.11	22.11	23.8			
1.4	QPSK	1	3	22.32	22.48	22.43	22.43				
1.4	QPSK	1	6	22.11	22.35	22.37	22.37				
1.4	QPSK	3	0	22.04	22.03	22.07	22.07				
1.4	QPSK	3	1	22.11	22.11	22.06	22.06	23.8			
1.4	QPSK	3	2	22.13	22.15	22.19	22.19				
1.4	QPSK	6	0	22.10	22.19	22.09	22.09				
1.4	QPSK	6	1	22.12	22.18	22.23	22.23				
1.4	QPSK	3	2	22.09	22.17	22.17	22.17	23.8			
1.4	16QAM	1	5	21.97	22.07	21.92	21.92				
1.4	16QAM	3	0	22.02	22.14	22.06	22.06				
1.4	16QAM	3	1	22.03	22.15	22.15	22.15				
1.4	16QAM	3	2	22.01	22.22	22.16	22.16	23.8			
1.4	16QAM	3	3	22.03	22.16	22.18	22.18				
1.4	16QAM	3	4	22.01	22.19	22.21	22.21				
1.4	16QAM	3	5	22.01	22.26	22.31	22.31				
1.4	16QAM	3	6	22.01	22.29	22.35	22.35	23.8			
1.4	16QAM	3	7	22.01	22.31	22.36	22.36				
1.4	16QAM	3	8	22.01	22.34	22.39	22.39				
1.4	16QAM	3	9	22.01	22.36	22.41	22.41				
1.4	16QAM	3	10	22.01	22.38	22.43	22.43	23.8			
1.4	16QAM	3	11	22.01	22.40	22.45	22.45				
1.4	16QAM	3	12	22.01	22.42	22.47	22.47				
1.4	16QAM	3	13	22.01	22.44	22.49	22.49				
1.4	16QAM	3	14	22.01	22.46	22.51	22.51	23.8			
1.4	16QAM	3	15	22.01	22.48	22.53	22.53				
1.4	16QAM	3	16	22.01	22.50	22.55	22.55				
1.4	16QAM	3	17	22.01	22.52	22.57	22.57				
1.4	16QAM	3	18	22.01	22.54	22.59	22.59	23.8			
1.4	16QAM	3	19	22.01	22.56	22.61	22.61				
1.4	16QAM	3	20	22.01	22.58	22.63	22.63				
1.4	16QAM	3	21</								

Band 7_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	Time-down (ms)
Channel									
Frequency (MHz)				2510	2535	2535	2560		
20	QPSK	1	0	20.97	21.02	21.02	21.16	21.1	
20	QPSK	1	48	20.97	20.73	20.73	20.97		
20	QPSK	1	56	20.82	20.85	20.85	20.74		
20	QPSK	56	0	20.72	20.65	20.65	20.74		
20	QPSK	56	24	20.73	20.86	20.86	20.97	21.1	
20	QPSK	168	0	20.71	20.78	20.78	21.08		
20	16QAM	1	0	20.69	20.42	20.42	20.80		
20	16QAM	1	48	20.68	20.36	20.36	20.99		
20	16QAM	56	0	20.73	20.77	20.77	20.71	21.1	
20	16QAM	56	24	20.75	20.75	20.75	20.76		
20	16QAM	56	56	20.74	20.59	20.59	20.67		
20	64QAM	1	0	20.61	21.03	21.03	20.86		
20	64QAM	1	48	20.57	20.94	20.94	21.07	21.1	
20	64QAM	1	56	20.94	21.02	21.02	21.06		
20	64QAM	56	0	21.02	21.01	21.01	21.08		
20	64QAM	56	24	21.04	21.85	21.85	21.84		
20	64QAM	56	56	21.08	21.00	21.00	21.05	20.5	
20	256QAM	1	0	19.29	19.19	19.19	19.21		
20	256QAM	1	48	19.15	19.38	19.38	19.07		
20	256QAM	1	56	19.03	19.03	19.03	19.04		
20	256QAM	56	0	19.10	19.20	19.20	19.13		
20	256QAM	56	24	19.25	19.48	19.48	19.27	20.5	
20	256QAM	56	56	19.45	19.21	19.21	19.49		
20	256QAM	168	0	19.15	19.10	19.10	19.42		
Channel									
Frequency (MHz)				2507.5	2535	2535	2562.5		
15	QPSK	1	0	20.84	20.98	20.98	21.02	21.1	
15	QPSK	1	36	20.81	20.72	20.73	20.86		
15	QPSK	1	74	20.84	20.84	20.84	20.61		
15	QPSK	36	0	20.70	20.60	20.60	20.45		
15	QPSK	36	24	20.15	20.78	20.78	20.87	21.1	
15	QPSK	36	36	20.87	20.84	20.84	20.80		
15	QPSK	72	0	20.71	20.75	20.75	20.94		
15	16QAM	1	0	20.51	20.48	20.48	20.73		
15	16QAM	1	36	20.54	20.55	20.55	20.88	21.1	
15	16QAM	1	74	20.59	20.53	20.53	20.65		
15	16QAM	36	0	20.59	20.75	20.75	20.54		
15	16QAM	36	24	20.70	20.61	20.61	20.80		
15	16QAM	36	36	20.38	20.56	20.56	20.54	21.1	
15	16QAM	72	0	20.84	20.48	20.55	20.55		
15	64QAM	1	0	20.77	20.98	20.97	20.67		
15	64QAM	1	36	20.37	20.75	21.02	20.88		
15	64QAM	1	74	20.84	21.02	20.88	20.88	21.1	
15	64QAM	36	0	20.97	20.87	20.96	20.96		
15	64QAM	36	24	20.67	20.62	21.01	21.01		
15	64QAM	36	36	20.99	20.91	20.98	20.98		
15	64QAM	72	0	20.84	21.00	20.97	20.97	20.5	
15	256QAM	1	0	19.27	19.18	19.18	19.08		
15	256QAM	1	36	19.08	19.16	19.16	19.38		
15	256QAM	1	74	19.07	19.07	19.07	19.04		
15	256QAM	36	0	19.20	19.09	19.09	19.05		
15	256QAM	36	24	19.23	19.38	19.09	19.09	20.5	
15	256QAM	36	36	19.34	19.08	19.34	19.34		
15	256QAM	72	0	19.35	19.34	19.31	19.31		
Channel									
Frequency (MHz)				2500	2100	2100	2140		
Channel									
Frequency (MHz)				2505	2535	2535	2565		
10	QPSK	1	0	20.30	20.82	21.01	21.01	21.1	
10	QPSK	1	24	20.59	20.63	20.78	20.78		
10	QPSK	1	48	20.84	20.82	20.57	20.57		
10	QPSK	24	0	20.71	20.86	20.57	20.57		
10	QPSK	24	12	20.61	20.80	20.86	20.86	21.1	
10	QPSK	24	24	20.61	20.52	20.52	20.52		
10	QPSK	80	0	20.67	20.63	20.95	20.95		
10	16QAM	1	0	20.63	20.46	20.72	20.72		
10	16QAM	1	24	20.48	20.36	20.97	20.97	21.1	
10	16QAM	1	48	20.80	20.30	20.78	20.78		
10	16QAM	24	0	20.69	20.84	20.52	20.52		
10	16QAM	24	12	20.79	20.63	20.64	20.64		
10	16QAM	24	24	20.68	20.50	20.58	20.58	21.1	
10	16QAM	80	0	20.63	20.50	20.53	20.53		
10	64QAM	1	0	20.65	20.87	20.84	20.84		
10	64QAM	1	24	20.53	20.82	21.04	21.04		
10	64QAM	1	48	20.74	21.00	20.90	20.90	21.1	
10	64QAM	24	0	20.96	20.82	21.01	21.01		
10	64QAM	24	12	20.97	20.98	20.92	20.92		
10	64QAM	24	24	20.98	20.92	20.88	20.88		
10	64QAM	80	0	20.99	21.02	20.95	20.95	20.5	
10	256QAM	1	0	19.24	19.12	19.07	19.07		
10	256QAM	1	24	19.20	19.24	19.03	19.03		
10	256QAM	1	48	18.89	18.67	18.92	18.92		
10	256QAM	24	0	18.96	19.17	19.05	19.05		
10	256QAM	24	12	19.18	19.48	19.11	19.11	20.5	
10	256QAM	24	24	19.38	19.21	19.44	19.44		
10	256QAM	80	0	19.11	19.05	19.08	19.08		
Channel									
Frequency (MHz)				2077.5	2100	2100	2142.5		
5	QPSK	1	0	20.72	20.88	20.84	20.84	21.1	
5	QPSK	1	12	20.59	20.89	20.89	20.89		
5	QPSK	1	24	20.74	20.72	20.73	20.73		
5	QPSK	12	0	20.56	20.84	20.85	20.85		
5	QPSK	12	7	20.61	20.78	20.84	20.84	21.1	
5	QPSK	12	13	20.52	20.65	20.61	20.61		
5	QPSK	24	0	20.70	20.68	21.01	21.01		
5	16QAM	1	0	20.49	20.36	20.76	20.76		
5	16QAM	1	12	20.63	20.45	20.81	20.81	21.1	
5	16QAM	1	24	20.92	20.38	20.75	20.75		
5	16QAM	12	0	20.59	20.72	20.63	20.63		
5	16QAM	12	7	20.63	20.55	20.67	20.67		
5	16QAM	12	13	20.89	20.39	20.54	20.54	21.1	
5	16QAM	24	0	20.67	20.55	20.98	20.98		
5	64QAM	1	0	20.78	20.90	20.73	20.73		
5	64QAM	1	12	20.48	20.84	21.01	21.01		
5	64QAM	1	24	20.77	21.01	21.01	21.01	21.1	
5	64QAM	12	0	20.94	20.92	20.99	20.99		
5	64QAM	12	7	20.85	21.02	20.85	20.85		
5	64QAM	12	13	20.97	20.98	21.02	21.02		
5	256QAM	1	0	19.24	19.05	19.07	19.07	20.5	
5	256QAM	1	12	18.97	19.18	19.06	19.06		
5	256QAM	1	24	19.01	19.38	19.08	19.08		
5	256QAM	12	0	19.04	19.03	19.09	19.09		
5	256QAM	12	7	19.34	19.48	19.12	19.12	20.5	
5	256QAM	12	13	19.44	19.20	19.29	19.29		
5	256QAM	24	0	19.06	19.06	19.37	19.37		

Band 25_Ant 2											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Time-up [ms]	Time-down [ms]		
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.14	22.41	22.57		23.2			
20	QPSK	1	48	21.31	22.12	22.24					
20	QPSK	1	56	22.13	22.38	22.01					
20	QPSK	56	0	22.04	21.97	21.96					
20	QPSK	56	24	22.01	22.07	21.99		23.2			
20	QPSK	56	56	22.08	22.09	22.04					
20	QPSK	168	0	21.98	22.00	22.02					
20	16QAM	1	0	21.95	22.43	22.04					
20	16QAM	1	48	22.14	21.99	22.10		23.2			
20	16QAM	1	56	22.45	22.19	21.91					
20	16QAM	56	0	22.04	22.02	21.92					
20	16QAM	56	24	21.98	22.05	21.92					
20	16QAM	56	56	22.03	22.04	21.97		23.2			
20	16QAM	168	0	21.95	21.99	21.97					
20	16QAM	1	0	22.04	21.95	21.91					
20	16QAM	1	48	21.67	21.69	22.08					
20	16QAM	56	0	19.98	18.88	18.93		23.2			
20	16QAM	56	24	19.05	19.17	19.02					
20	16QAM	56	56	19.07	19.11	19.02					
20	16QAM	56	56	19.00	19.18	18.91					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.15	22.37	22.57		23.2			
15	QPSK	1	36	21.81	22.07	22.16					
15	QPSK	1	74	22.11	22.34	22.01					
15	QPSK	36	0	21.68	21.92	21.89					
15	QPSK	36	24	21.97	22.03	21.95		23.2			
15	QPSK	36	36	22.01	22.05	22.03					
15	QPSK	72	0	21.95	21.98	21.99					
15	16QAM	1	0	21.67	22.39	21.96					
15	16QAM	1	36	22.13	21.92	22.06		23.2			
15	16QAM	1	74	22.41	22.12	21.90					
15	16QAM	36	0	21.97	21.93	21.88					
15	16QAM	36	24	21.88	21.98	21.96					
15	16QAM	36	36	22.01	21.96	21.97		23.2			
15	16QAM	72	0	21.90	21.89	21.82					
15	16QAM	1	0	22.01	21.84	21.89					
15	16QAM	1	36	21.93	21.92	22.02					
15	16QAM	1	74	22.02	21.80	21.48		23.2			
15	16QAM	36	0	20.81	20.86	20.98					
15	16QAM	36	24	20.93	20.89	20.87					
15	16QAM	36	36	20.94	20.95	20.92					
15	16QAM	72	0	20.94	20.91	20.91		23.2			
15	16QAM	1	0	19.94	18.83	18.85					
15	16QAM	1	36	18.76	19.13	18.94					
15	16QAM	1	74	18.78	19.06	18.92					
15	16QAM	36	24	19.05	19.04	18.97		23.2			
15	16QAM	36	36	18.96	19.08	18.98					
15	16QAM	36	36	18.99	19.13	18.94					
15	16QAM	72	0	18.86	18.91	18.99					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.13	22.31	22.48		23.2			
10	QPSK	1	24	21.91	22.04	22.23					
10	QPSK	1	48	22.13	22.31	21.98					
10	QPSK	24	0	21.88	21.96	21.89					
10	QPSK	24	12	22.01	22.05	21.99		23.2			
10	QPSK	24	24	22.01	22.05	22.00					
10	QPSK	80	0	21.89	21.97	21.95					
10	16QAM	1	0	21.88	22.38	21.98					
10	16QAM	1	24	22.14	21.98	22.03		23.2			
10	16QAM	1	48	22.37	22.10	21.83					
10	16QAM	24	0	21.98	21.92	21.87					
10	16QAM	24	12	21.91	22.03	21.98					
10	16QAM	24	24	21.99	21.98	21.94		23.2			
10	16QAM	80	0	21.86	21.93	21.80					
10	16QAM	1	0	22.03	21.83	21.98					
10	16QAM	1	24	21.84	21.80	22.07					
10	16QAM	1	48	21.99	21.86	21.48		23.2			
10	16QAM	24	0	20.87	20.88	20.90					
10	16QAM	24	12	20.85	20.90	20.93					
10	16QAM	24	24	20.94	20.97	20.90					
10	16QAM	80	0	20.93	20.91	20.97		23.2			
10	16QAM	1	0	19.93	18.76	18.82					
10	16QAM	1	24	18.75	19.15	18.97					
10	16QAM	1	48	18.88	19.17	19.01					
10	16QAM	24	0	18.96	19.08	18.97		23.2			
10	16QAM	24	12	18.87	19.09	18.98					
10	16QAM	24	24	18.93	19.15	18.96					
10	16QAM	80	0	18.84	18.91	18.94					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.12	22.40	22.48		23.2			
5	QPSK	1	12	21.86	22.06	22.16					
5	QPSK	1	24	22.11	22.28	21.94					
5	QPSK	12	0	21.98	21.99	21.94					
5	QPSK	12	7	21.97	21.99	21.93		23.2			
5	QPSK	12	13	22.02	22.07	21.98					
5	QPSK	24	0	21.92	22.00	21.95					
5	16QAM	1	0	21.94	22.35	22.00					
5	16QAM	1	12	22.11	21.96	22.01		23.2			
5	16QAM	1	24	22.40	22.11	21.88					
5	16QAM	12	0	21.94	22.02	21.94					
5	16QAM	12	7	21.98	22.00	21.97					
5	16QAM	12	13	22.01	22.02	21.98		23.2			
5	16QAM	24	0	21.89	21.90	21.78					
5	16QAM	1	0	22.04	21.82	21.97					
5	16QAM	1	12	21.88	21.85	21.88					
5	16QAM	1	24	22.01	21.81	21.48		23.2			
5	16QAM	12	0	20.90	20.90	20.94					
5	16QAM	12	7	20.90	20.92	20.82					
5	16QAM	12	13	20.97	20.94	20.92					
5	16QAM	80	0	20.95	20.92	20.98		23.2			
5	16QAM	1	0	19.92	18.88	18.94					
5	16QAM	1	12	18.73	19.16	18.98					
5	16QAM	1	24	18.84	19.17	19.08					
5	16QAM	12	0	18.98	18.99	18.97		23.2			
5	16QAM	12	7	18.97	19.02	18.92					
5	16QAM	12	13	18.99	19.13	18.90					
5	16QAM	80	0	18.78	18.90	18.96					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.21	22.41	22.55		23.2			
3	QPSK	1	8	21.67	22.04	22.18					
3	QPSK	1	14	22.06	22.32	21.94					
3	QPSK	8	0	22.04	21.93	21.88					
3	QPSK	8	4	21.96	21.98	21.9		23.2			
3	QPSK	8	7	21.98	22.01	21.92					
3	QPSK	16	0	21.93	22.03	21.99					
3	16QAM	1	0	21.93	22.35	22.00					
3	16QAM	1	8	22.14	21.96	22.1		23.2			
3	16QAM	1	14	22.02	21.82	21.8					
3	16QAM	8	0	21.96	22.02	21.93					
3	16QAM	8	4	21.95	21.97	21.91					
3	16QAM	8	7	21.98	22.01	21.92		23.2			
3	16QAM	16	0	21.93	22.03	21.99					
3	16QAM	1	0	22.03	21.84	21.84					
3	16QAM	1	8	21.93	21.82	21.81					
3	16QAM	1	14	21.97	21.88	21.81		23.2			
3	16QAM	8	0	20.80	20.89	20.96					
3	16QAM	8	7	20.87	20.92	20.83					
3	16QAM	8	7	20.78	20.94	20.89					
3	16QAM	16	0	20.86	20.95	20.89		23.2			
3	16QAM	16	8	20.87	20.96	20.91					
3	16QAM	16	14	20.88	20.97	20.92					
3	16QAM	16	14	20.89	20.97	20.92					
3	16QAM	1	0	19.94	18.86	18.87		23.2			
3	16QAM	1	8	18.86	19.19	18.94					
3	16QAM	1	14	18.77	19.18	18.87					
3	16QAM	8	0	18.99	19.03	18.99					
3	16QAM	8	7	18.98	19.02	18.95					
3	16QAM	8	14	18.97	19.04	18.98					
3	16QAM	16	0	18.80	18.91	18.98		23.2			
3	16QAM	1	0	21.82	21.89	21.93					
3	16QAM	1	8	21.82	21.89	21.93					
3	16QAM	1	14	21.82	21.89	21.93					
3	16QAM	1	8	21.82	21.89	21.93		23.2			
3	16QAM	1	14	21.82	21.89	21.93					
3	16QAM	1	20	21.82	21.89	21.93					
3	16QAM	1	26	21.82	21.89	21.93					
3	16QAM	1	32	21.82	21.89	21.93		23.2			
3	16QAM	1	38	21.82	21.89	21.93					
3	16QAM	1	44	21.82	21.89	21.93					
3	16QAM	1	50	21.82	21.89	21.93					
3	16QAM	1	56	21.82	21.89	21.93		23.2			
3	16QAM	1	62	21.82	21.89	21.93					
3	16QAM	1	68	21.82	21.89	21.93					
3	16QAM	1	74	21.82	21.89	21.93					
3	16QAM	1	80	21.82	21.89	21.93		23.2			
3	16QAM	1	86	21.82	21.89	21.93					
3	16QAM	1	92	21.82	21.89	21.93					
3	16QAM	1	98	21.82	21.89	21.93					
3	16QAM	1	104	21.82	21.89	21.93		23.2			
3	16QAM	1	110	21.82	21.89	21.93					
3	16QAM	1	116	21.82	21.89	21.93					
3	16QAM	1	122	21.82	21.89	21.93					
3	16QAM	1	128	21.82	21.89	21.93		23.2			
3	16QAM	1	134	21.82	21.89	21.93					
3	16QAM	1	140	21.82	21.89	21.93					
3	16QAM	1	146	21.82	21.89	21.93					
3	16QAM	1	152	21.82	21.89	21.93		23.2			
3	16QAM	1	158	21.82	21.89	21.93					
3	16QAM	1	164	21.82	21.89	21.93					
3	16QAM	1	170	21.82	21.89	21.93					
3	16QAM	1	176	21.82	21.89	21.93		23.2			
3	16QAM	1	182	21.82	21.89	21.93					
3	16QAM	1	188	21.82	21.89	21.93					
3	16QAM	1	194	21.82	21.89	21.93					
3	16QAM	1	200	21.82	21.89						



Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Power Low Ch. F/Freq	Power High Ch. F/Freq
Channel							
Frequency (MHz)							
10	QPSK	1	0	21.66	21.66		
10	QPSK	1	20	21.27	21.27		
10	QPSK	1	40	21.38	21.38		
10	QPSK	20	0	21.32	21.32		
10	QPSK	20	12	21.28	21.28		
10	QPSK	20	20	21.23	21.23		
10	QPSK	50	0	21.33	21.33		
10	HQDM	1	0	21.60	21.60		
10	HQDM	1	20	21.44	21.44		
10	HQDM	1	40	21.25	21.25		
10	HQDM	20	0	21.32	21.32		
10	HQDM	20	12	21.27	21.27		
10	HQDM	20	20	21.15	21.15		
10	HQDM	50	0	21.24	21.24		
10	HQDM	1	0	21.36	21.36		
10	HQDM	1	20	21.03	21.03		
10	HQDM	1	40	21.49	21.49		
10	HQDM	20	0	20.97	20.97		
10	HQDM	20	12	21.06	21.06		
10	HQDM	20	20	20.98	20.98		
10	HQDM	50	0	21.03	21.03		
10	256QAM	1	0	19.34	19.34		
10	256QAM	1	20	19.34	19.34		
10	256QAM	1	40	19.36	19.36		
10	256QAM	20	0	19.40	19.40		
10	256QAM	20	12	19.40	19.40		
10	256QAM	20	20	19.38	19.38		
10	256QAM	50	0	19.22	19.22		
Channel							
Frequency (MHz)							
5	QPSK	1	0	21.55	21.55	21.47	21.47
5	QPSK	1	10	21.10	21.10	21.13	21.13
5	QPSK	1	20	21.33	21.35	21.32	21.32
5	QPSK	12	0	21.27	21.22	21.28	21.28
5	QPSK	10	1	21.10	21.13	21.23	21.23
5	QPSK	12	10	21.18	21.04	21.05	21.05
5	QPSK	20	0	21.30	21.33	21.27	21.27
5	HQDM	1	0	21.02	21.05	21.03	21.03
5	HQDM	1	12	21.41	21.27	21.26	21.26
5	HQDM	1	20	21.19	21.12	21.11	21.11
5	HQDM	12	0	21.24	21.19	21.20	21.20
5	HQDM	10	1	21.20	21.10	21.18	21.18
5	HQDM	10	10	21.14	21.02	21.16	21.16
5	HQDM	20	0	21.19	21.08	21.13	21.13
5	HQDM	1	0	21.27	21.19	21.28	21.28
5	HQDM	1	10	21.06	21.01	21.02	21.02
5	HQDM	1	20	21.31	21.40	21.40	21.40
5	HQDM	12	0	20.96	20.77	20.81	20.81
5	HQDM	10	1	20.90	21.00	20.89	20.89
5	HQDM	12	10	20.81	20.80	20.79	20.79
5	HQDM	20	0	20.86	20.85	20.86	20.86
5	256QAM	1	0	19.30	19.16	19.14	19.14
5	256QAM	1	12	19.26	19.20	19.20	19.20
5	256QAM	1	20	19.24	19.24	19.24	19.24
5	256QAM	12	0	19.39	19.25	19.25	19.25
5	256QAM	10	1	19.31	19.34	19.28	19.28
5	256QAM	10	10	19.33	19.24	19.37	19.37
5	256QAM	20	0	19.03	19.10	19.22	19.22

Band 66_Ant 2										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.F/Freq	Power High Ch.F/Freq	Power Low Ch.F/Freq	Power High Ch.F/Freq	Time-up [ms]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.22	22.47	22.21	22.47	23.8		
20	QPSK	1	49	22.41	22.49	22.52	22.52			
20	QPSK	56	0	22.09	22.07	22.07	22.07			
20	QPSK	56	24	22.15	22.20	22.10	22.10			
20	QPSK	100	0	22.15	22.09	22.18	22.18	23.8		
20	QPSK	1	0	22.17	22.23	22.33	22.33			
20	HQDM	1	49	22.51	22.36	22.13	22.13			
20	HQDM	1	99	21.08	22.09	21.96	21.96			
20	HQDM	56	0	22.09	21.92	22.04	22.04	23.5		
20	HQDM	56	24	22.04	22.17	22.06	22.06			
20	HQDM	100	0	22.08	22.00	22.06	22.06			
20	HQDM	1	0	22.13	22.15	21.90	21.90			
20	HQDM	1	49	22.10	22.26	22.18	22.18	23.5		
20	HQDM	56	0	21.04	21.06	20.81	20.81			
20	HQDM	56	24	21.13	21.00	21.05	21.05			
20	HQDM	56	50	21.09	21.05	21.08	21.08			
20	HQDM	100	0	20.95	20.99	21.00	21.00	22.5		
20	HQDM	1	0	18.79	19.12	19.15	19.15			
20	HQDM	1	49	19.19	19.05	18.96	18.96			
20	HQDM	56	0	19.13	19.35	19.21	19.21			
20	HQDM	56	24	19.31	19.28	19.23	19.23	20.5		
20	HQDM	56	50	19.33	19.29	19.35	19.35			
20	HQDM	100	0	18.96	19.28	19.34	19.34			
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.05	22.43	22.16	22.16		23.8	
15	QPSK	1	39	22.23	22.29	22.34	22.34			
15	QPSK	1	74	21.96	22.35	22.27	22.27			
15	QPSK	36	0	21.08	21.87	22.00	22.00			
15	QPSK	36	20	21.18	22.18	22.15	22.15	23.8		
15	QPSK	36	39	22.17	22.07	22.14	22.14			
15	QPSK	72	0	22.03	22.03	22.18	22.18			
15	HQDM	1	0	22.06	22.06	22.20	22.20			
15	HQDM	1	39	22.49	22.28	22.05	22.05	23.8		
15	HQDM	1	74	21.91	21.98	21.89	21.89			
15	HQDM	36	0	21.92	21.94	21.87	21.87			
15	HQDM	36	20	21.97	22.08	21.89	21.89			
15	HQDM	36	39	22.20	21.91	22.04	22.04	23.5		
15	HQDM	72	0	21.96	22.09	21.85	21.85			
15	HQDM	1	0	22.13	22.18	22.03	22.03			
15	HQDM	1	74	22.24	21.92	22.33	22.33			
15	HQDM	36	0	20.84	21.81	20.77	20.77	22.5		
15	HQDM	36	20	21.10	20.93	20.93	20.93			
15	HQDM	36	39	20.98	21.90	20.89	20.89			
15	HQDM	72	0	20.81	20.83	21.00	21.00			
15	HQDM	1	0	19.74	19.98	19.10	19.10	20.5		
15	HQDM	1	39	19.67	19.86	19.93	19.93			
15	HQDM	1	74	19.99	19.15	19.15	19.15			
15	HQDM	36	0	19.35	19.24	19.04	19.04			
15	HQDM	36	20	19.86	19.14	19.12	19.12	20.5		
15	HQDM	36	39	19.81	19.23	19.15	19.15			
15	HQDM	72	0	19.91	19.16	19.74	19.74			
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.14	22.37	22.11	22.11	23.8		
10	QPSK	1	25	22.31	22.47	22.48	22.48			
10	QPSK	1	49	22.08	22.38	22.34	22.34			
10	QPSK	25	0	22.05	22.05	22.07	22.07			
10	QPSK	25	12	22.15	22.15	22.00	22.00	23.8		
10	QPSK	25	24	22.13	22.21	22.22	22.22			
10	QPSK	50	0	22.10	22.03	22.14	22.14			
10	HQDM	1	0	22.10	22.21	22.29	22.29			
10	HQDM	1	25	22.47	22.32	22.13	22.13	23.8		
10	HQDM	1	49	21.95	22.07	21.90	21.90			
10	HQDM	25	0	22.03	21.94	21.94	21.94			
10	HQDM	25	12	22.01	22.11	21.98	21.98			
10	HQDM	25	25	22.17	21.98	22.12	22.12	23.5		
10	HQDM	50	0	22.05	21.98	22.05	22.05			
10	HQDM	1	0	22.10	22.10	21.85	21.85			
10	HQDM	1	25	22.11	22.18	22.15	22.15			
10	HQDM	1	49	22.25	22.01	22.35	22.35	22.5		
10	HQDM	25	0	21.03	21.05	20.82	20.82			
10	HQDM	25	12	21.05	21.08	21.00	21.00			
10	HQDM	25	25	21.02	21.02	21.03	21.03			
10	HQDM	50	0	20.87	20.93	20.93	20.93	20.5		
10	HQDM	1	0	19.27	19.12	19.12	19.12			
10	HQDM	1	25	19.09	19.04	19.06	19.06			
10	HQDM	1	49	19.07	19.25	19.11	19.11			
10	HQDM	25	0	19.08	19.17	19.04	19.04	20.5		
10	HQDM	25	12	19.26	19.18	19.18	19.18			
10	HQDM	25	25	19.83	19.25	19.93	19.93			
10	HQDM	50	0	19.00	19.18	19.92	19.92			
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.22	22.45	22.15	22.15	23.8		
5	QPSK	1	12	22.37	22.43	22.46	22.46			
5	QPSK	1	24	22.03	22.35	22.37	22.37			
5	QPSK	12	0	22.01	22.07	21.97	21.97			
5	QPSK	12	7	22.09	22.17	22.03	22.03	23.8		
5	QPSK	12	13	22.17	22.21	22.23	22.23			
5	QPSK	24	0	22.09	22.02	22.13	22.13			
5	HQDM	1	0	22.08	22.13	22.24	22.24			
5	HQDM	1	12	22.51	22.28	22.06	22.06	23.8		
5	HQDM	1	24	21.93	22.00	21.94	21.94			
5	HQDM	12	0	22.01	21.89	22.00	22.00			
5	HQDM	12	7	22.00	22.13	22.00	22.00			
5	HQDM	12	13	22.20	22.02	22.12	22.12	23.5		
5	HQDM	24	0	22.05	21.99	22.01	22.01			
5	HQDM	1	0	22.03	22.12	21.98	21.98			
5	HQDM	1	12	22.06	22.17	22.15	22.15			
5	HQDM	1	24	22.27	21.98	22.32	22.32	22.5		
5	HQDM	12	0	20.98	21.02	20.98	20.98			
5	HQDM	12	7	21.03	21.03	21.03	21.03			
5	HQDM	12	13	21.02	21.01	21.02	21.02			
5	HQDM	24	0	20.95	20.94	20.97	20.97	20.5		
5	HQDM	1	0	18.89	19.09	19.12	19.12			
5	HQDM	1	12	19.10	19.04	18.87	18.87			
5	HQDM	1	24	19.09	19.28	19.18	19.18			
5	HQDM	12	0	19.11	19.16	19.85	19.85	20.5		
5	HQDM	12	7	19.86	19.22	19.21	19.21			
5	HQDM	12	13	19.84	19.25	19.84	19.84			
5	HQDM	24	0	19.87	19.24	19.99	19.99			
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.12	22.37	22.12	22.12	23.8		
3	QPSK	1	6	22.29	22.39	22.48	22.48			
3	QPSK	1	14	22.09	22.39	22.30	22.30			
3	QPSK	8	0	22.02	22.00	22.03	22.03			
3	QPSK	8	4	22.05	22.16	22.07	22.07	23.8		
3	QPSK	8	7	22.11	22.13	22.19	22.19			
3	QPSK	16	0	22.12	22.07	22.17	22.17			
3	HQDM	1	0	22.07	22.17	22.28	22.28			
3	HQDM	1	6	22.46	22.33	22.11	22.11	23.8		
3	HQDM	1	14	21.90	21.96	21.90	21.90			
3	HQDM	8	0	21.98	21.90	21.94	21.94			
3	HQDM	8	4	21.96	22.11	22.00	22.00			
3	HQDM	8	7	22.12	21.09	22.14	22.14	23.5		
3	HQDM	16	0	21.99	21.96	22.02	22.02			
3	HQDM	1	0	22.10	22.08	21.87	21.87			
3	HQDM	1	6	22.17	21.84	22.13	22.13	23.5		
3	HQDM	16	0	20.90	20.93	20.90	20.90			
3	HQDM	1	0	19.17	19.04	18.95	18.95			
3	HQDM	1	6	19.23	19.07	19.12	19.12	20.5		
3	HQDM	1	14	19.11	19.21	19.32	19.32			
3	HQDM	8	0	18.85	19.23	19.17	19.17			
3	HQDM	8	4	19.16	19.05	19.15	19.15	20.5		
3	HQDM	8	7	19.18	19.23	19.13	19.13			
3	HQDM	16	0	18.99	19.20	19.94	19.94			
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.16	22.43	22.11	22.11	23.8		
1.4	QPSK	1	3	22.32	22.46	22.43	22.43			
1.4	QPSK	3	0	22.04	22.03	22.07	22.07			
1.4	QPSK	3	1	22.11	22.11	22.06	22.06			
1.4	QPSK	3	2	22.15	22.15	22.11	22.11	23.8		
1.4	QPSK	6	0	22.10	21.99	22.09	22.09			
1.4	HQDM	1	0	22.12	22.18	22.23	22.23			
1.4	HQDM	1	5	22.07	22.07	22.12	22.12			
1.4	HQDM	1	9	21.97	22.07	22.12	22.12	23.8		
1.4	HQDM	3	1	22.01	22.14	22.06	22.06			
1.4	HQDM	3	2	22.12	22.02	22.13	22.13			
1.4	HQDM	6	0	22.03	21.95	22.05	22.05			
1.4	HQDM	3	0	22.05	22.15	21.85	21.85	20.8		
1.4	HQDM	3	3	22.01	22.02	22.16	22.16			
1.4	HQDM	6	0	22.07	22.02	22.17	22.17			
1.4	HQDM	3	0	22.09	21.99	22.01	22.01	22.5		
1.4	HQDM	3	1	22.11	22.00	21.96	21.96			
1.4	HQDM	6	0	20.88	20.94	20.92	20.92			
1.4	HQDM	1	0	18.73	19.05	19.14	19.14	20.5		
1.4	HQDM	1	3	18.93	18.93	18.92	18.92			
1.4	HQDM	3	1	18.97	19.23	19.13	19.13			
1.4	HQDM	3	2	18.88	19.23	18.92	18.92	20.5		
1.4	HQDM	6	0	18.93	19.05	19.14	19.14			
1.4	HQDM	3	1	18.87	19.23	19.13	19.13			



Band 7_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Low	Power High	Power Low	Power High
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.38	22.53	22.38	22.53	22.38	22.53
20	QPSK	1	48	22.36	22.56	22.52	22.42	22.36	22.56
20	QPSK	1	96	22.54	22.59	22.59	22.42	22.54	22.59
20	QPSK	56	0	21.00	21.56	21.56	21.51	21.00	21.56
20	QPSK	56	24	21.82	21.59	21.59	21.50	21.82	21.59
20	QPSK	56	50	21.71	21.63	21.63	21.57	21.71	21.63
20	QPSK	100	0	21.74	21.60	21.67	21.57	21.74	21.60
20	16QAM	1	0	21.60	21.35	21.35	21.51	21.60	21.35
20	16QAM	1	48	21.55	21.75	21.69	21.60	21.55	21.75
20	16QAM	1	96	21.00	21.87	21.87	21.69	21.00	21.87
20	16QAM	56	0	20.64	20.52	20.52	20.45	20.64	20.52
20	16QAM	56	24	20.65	20.55	20.55	20.50	20.65	20.55
20	16QAM	56	50	20.58	20.59	20.59	20.46	20.58	20.59
20	16QAM	100	0	20.59	20.82	20.82	20.54	20.59	20.82
20	16QAM	1	0	20.74	20.54	20.54	20.50	20.74	20.54
20	16QAM	1	48	20.44	21.06	21.06	20.72	20.44	21.06
20	16QAM	1	96	20.65	21.00	21.00	20.74	20.65	21.00
20	16QAM	56	0	19.71	19.81	19.81	19.50	19.71	19.81
20	16QAM	56	24	19.66	19.86	19.86	19.82	19.66	19.86
20	16QAM	56	50	19.81	19.86	19.86	19.50	19.81	19.86
20	16QAM	100	0	19.57	19.80	19.80	19.80	19.57	19.80
20	256QAM	1	0	17.41	17.12	17.12	17.13	17.41	17.12
20	256QAM	1	48	17.32	17.14	17.14	17.11	17.32	17.14
20	256QAM	1	96	17.20	17.13	17.13	17.11	17.20	17.13
20	256QAM	56	0	17.47	17.14	17.14	17.14	17.47	17.14
20	256QAM	56	24	17.37	17.86	17.86	17.12	17.37	17.86
20	256QAM	56	50	17.28	17.12	17.12	17.13	17.28	17.12
20	256QAM	100	0	17.35	17.13	17.13	17.15	17.35	17.13
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.55	22.54	22.54	22.32	22.54	22.32
15	QPSK	1	36	22.53	22.54	22.54	22.36	22.54	22.36
15	QPSK	1	74	22.53	22.53	22.53	22.55	22.53	22.55
15	QPSK	36	0	21.57	21.64	21.64	21.54	21.64	21.54
15	QPSK	36	20	21.57	21.68	21.68	21.55	21.68	21.55
15	QPSK	36	38	21.64	21.80	21.80	21.83	21.64	21.80
15	QPSK	72	0	21.74	21.64	21.64	21.55	21.74	21.55
15	16QAM	1	0	22.04	21.58	21.58	21.44	22.04	21.58
15	16QAM	1	37	21.88	21.64	21.64	21.61	21.88	21.64
15	16QAM	1	75	21.58	21.54	21.54	21.86	21.58	21.54
15	16QAM	36	0	20.59	20.58	20.58	20.48	20.59	20.58
15	16QAM	36	20	20.58	20.58	20.58	20.40	20.58	20.40
15	16QAM	36	38	20.54	20.57	20.57	20.52	20.54	20.57
15	16QAM	72	0	20.55	20.60	20.60	20.50	20.55	20.60
15	16QAM	1	0	20.81	20.95	20.95	20.80	20.81	20.95
15	16QAM	1	36	20.80	20.71	20.71	20.84	20.80	20.71
15	16QAM	1	74	20.87	20.75	20.75	20.89	20.87	20.75
15	16QAM	36	0	19.59	19.88	19.88	19.52	19.59	19.88
15	16QAM	36	20	19.62	19.85	19.85	19.51	19.62	19.85
15	16QAM	36	38	19.59	19.84	19.84	19.27	19.59	19.84
15	16QAM	72	0	19.59	19.58	19.58	19.52	19.59	19.58
15	256QAM	1	0	17.42	17.10	17.10	17.12	17.42	17.10
15	256QAM	1	37	17.28	17.11	17.11	17.15	17.28	17.11
15	256QAM	1	75	17.11	17.14	17.14	17.16	17.11	17.14
15	256QAM	36	0	17.47	17.11	17.11	17.14	17.47	17.11
15	256QAM	36	20	17.33	17.78	17.78	17.10	17.33	17.78
15	256QAM	36	38	17.24	17.15	17.15	17.11	17.24	17.15
15	256QAM	72	0	17.28	17.12	17.12	17.15	17.28	17.12
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.55	22.50	22.50	22.44	22.50	22.44
20	QPSK	1	25	22.50	22.33	22.33	22.34	22.50	22.33
20	QPSK	1	48	22.51	22.45	22.45	22.52	22.51	22.45
20	QPSK	25	0	21.54	21.86	21.86	21.52	21.54	21.86
20	QPSK	25	12	21.58	21.69	21.69	21.57	21.58	21.69
20	QPSK	25	24	21.68	21.54	21.54	21.44	21.68	21.54
20	QPSK	50	0	21.67	21.56	21.56	21.55	21.67	21.56
20	16QAM	1	0	21.69	21.62	21.62	21.42	21.69	21.62
20	16QAM	1	25	21.04	21.76	21.76	20.77	21.04	21.76
20	16QAM	1	48	21.77	21.96	21.96	21.78	21.77	21.96
20	16QAM	25	0	20.58	20.58	20.58	20.47	20.58	20.47
20	16QAM	25	12	20.34	20.59	20.59	20.50	20.34	20.59
20	16QAM	25	24	20.59	20.54	20.54	20.50	20.59	20.54
20	16QAM	50	0	20.57	20.56	20.56	20.53	20.57	20.56
20	16QAM	1	0	20.71	20.84	20.84	20.29	20.71	20.84
20	16QAM	1	25	20.55	21.05	21.05	20.75	20.55	21.05
20	16QAM	1	48	20.49	20.70	20.70	20.38	20.49	20.70
20	16QAM	25	0	19.50	19.87	19.87	19.43	19.50	19.87
20	16QAM	25	12	19.63	19.58	19.58	19.52	19.63	19.58
20	16QAM	25	24	19.59	19.63	19.63	19.56	19.59	19.63
20	16QAM	50	0	19.59	19.84	19.84	19.47	19.59	19.84
20	256QAM	1	0	17.34	17.12	17.12	17.12	17.34	17.12
20	256QAM	1	25	17.40	17.15	17.15	17.14	17.40	17.15
20	256QAM	1	48	17.24	17.12	17.12	17.15	17.24	17.12
20	256QAM	25	0	17.30	17.14	17.14	17.15	17.30	17.14
20	256QAM	25	12	17.47	17.10	17.10	17.14	17.47	17.10
20	256QAM	25	24	17.31	17.70	17.70	17.12	17.31	17.70
20	256QAM	50	0	17.18	17.11	17.11	17.13	17.18	17.11
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.43	22.52	22.52	22.44	22.52	22.44
5	QPSK	1	12	22.54	22.52	22.52	22.50	22.54	22.50
5	QPSK	1	24	22.55	22.54	22.54	22.54	22.55	22.54
5	QPSK	12	0	21.47	21.50	21.50	21.48	21.47	21.50
5	QPSK	12	7	21.53	21.56	21.56	21.51	21.53	21.56
5	QPSK	12	13	21.58	21.67	21.67	21.64	21.58	21.67
5	QPSK	24	0	21.59	21.63	21.63	21.49	21.59	21.63
5	16QAM	1	0	22.02	22.15	22.15	21.74	22.02	22.15
5	16QAM	1	12	22.14	22.12	22.12	21.68	22.14	22.12
5	16QAM	1	24	22.12	22.27	22.27	21.63	22.12	22.27
5	16QAM	12	0	20.54	20.82	20.82	20.35	20.54	20.82
5	16QAM	12	7	20.50	20.46	20.46	20.40	20.50	20.46
5	16QAM	12	13	20.53	20.65	20.65	20.54	20.53	20.65
5	16QAM	24	0	20.55	20.58	20.58	20.40	20.55	20.58
5	16QAM	1	0	20.26	20.72	20.72	20.35	20.26	20.72
5	16QAM	1	12	20.70	20.77	20.77	20.81	20.70	20.77
5	16QAM	1	24	20.68	20.73	20.73	20.94	20.68	20.73
5	16QAM	12	0	19.47	19.63	19.63	19.46	19.47	19.63
5	16QAM	12	7	19.63	19.68	19.68	19.50	19.63	19.68
5	16QAM	12	13	19.51	19.52	19.52	19.50	19.51	19.52
5	16QAM	24	0	19.52	19.59	19.59	19.45	19.52	19.59
5	256QAM	1	0	17.35	17.12	17.12	17.11	17.35	17.12
5	256QAM	1	12	17.29	17.11	17.11	17.15	17.29	17.11
5	256QAM	1	24	17.19	17.16	17.16	17.11	17.19	17.16
5	256QAM	12	0	17.11	17.15	17.15	17.12	17.11	17.15
5	256QAM	12	7	17.37	17.15	17.15	17.10	17.37	17.15
5	256QAM	12	13	17.26	17.82	17.82	17.11	17.26	17.82
5	256QAM	24	0	17.17	17.14	17.14	17.15	17.17	17.14

Band 12_Ant 1										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power High Ch.1 Freq.	Power Low Ch.2 Freq.	Power High Ch.2 Freq.	Time-up [min]		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.81	23.78	23.83	23.83	25.2		
10	QPSK	1	20	23.92	23.87	23.85	23.85			
10	QPSK	1	49	23.91	23.81	23.72	23.72			
10	QPSK	20	0	22.93	22.88	22.84	22.84			
10	QPSK	20	12	22.92	22.84	22.90	22.90	24.2		
10	QPSK	50	0	22.98	22.88	22.92	22.92			
10	HQDM	1	0	23.18	23.06	22.98	22.98			
10	HQDM	1	20	23.18	23.21	23.16	23.16			
10	HQDM	1	49	23.45	23.02	23.32	23.32	24.2		
10	HQDM	20	0	21.84	21.91	21.78	21.78			
10	HQDM	20	0	21.97	21.97	21.85	21.85			
10	HQDM	50	0	21.92	21.88	21.91	21.91			
10	HQDM	1	0	21.94	21.85	21.91	21.91	23.2		
10	HQDM	1	40	22.00	22.28	22.05	22.05			
10	HQDM	20	0	20.93	20.84	20.78	20.78			
10	HQDM	20	12	20.97	20.85	20.86	20.86			
10	HQDM	20	20	20.98	20.96	20.88	20.88	22.2		
10	HQDM	50	0	20.92	20.84	20.95	20.95			
10	HQDM	1	0	19.95	19.92	19.94	19.94			
10	HQDM	1	20	18.92	18.98	18.92	18.92			
10	SSBDM	20	0	19.18	19.10	19.04	19.04	20.2		
10	SSBDM	20	12	19.09	19.06	19.02	19.02			
10	SSBDM	20	20	19.09	19.07	18.93	18.93			
10	SSBDM	50	0	19.08	19.05	19.09	19.09			
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.90	23.75	23.70	23.70	25.2		
5	QPSK	1	12	23.88	23.91	23.87	23.87			
5	QPSK	1	24	23.91	23.79	23.85	23.85			
5	QPSK	12	0	23.07	22.98	22.84	22.84			
5	QPSK	12	0	23.03	22.91	22.85	22.85	24.2		
5	QPSK	12	18	23.05	22.84	22.82	22.82			
5	QPSK	20	0	22.99	22.86	22.93	22.93			
5	HQDM	1	0	23.30	22.97	22.82	22.82			
5	HQDM	1	12	23.03	23.29	23.00	23.00	24.2		
5	HQDM	1	24	23.11	23.28	22.98	22.98			
5	HQDM	12	0	22.08	21.90	21.75	21.75			
5	HQDM	12	7	21.99	22.01	21.78	21.78			
5	HQDM	12	18	21.94	22.01	21.86	21.86	23.2		
5	HQDM	20	0	21.97	21.88	21.81	21.81			
5	HQDM	1	0	22.07	21.78	21.75	21.75			
5	HQDM	1	50	22.08	21.94	21.95	21.95			
5	HQDM	1	24	22.15	22.38	21.78	21.78	22.2		
5	HQDM	12	0	20.93	20.88	20.70	20.70			
5	HQDM	12	7	20.98	20.88	20.80	20.80			
5	HQDM	12	18	20.98	20.95	20.90	20.90			
5	HQDM	20	0	20.96	20.85	20.78	20.78	20.2		
5	SSBDM	1	0	19.92	19.91	19.85	19.85			
5	SSBDM	1	12	18.93	19.03	18.81	18.81			
5	SSBDM	1	20	18.98	18.97	18.78	18.78			
5	SSBDM	12	0	19.12	19.02	18.98	18.98			
5	SSBDM	12	7	19.04	19.04	18.90	18.90	20.2		
5	SSBDM	12	18	19.08	19.03	18.91	18.91			
5	SSBDM	20	0	19.13	19.03	18.95	18.95			
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.90	23.77	23.74	23.74	25.2		
3	QPSK	1	8	23.89	23.84	23.72	23.72			
3	QPSK	1	54	23.94	23.90	23.85	23.85			
3	QPSK	8	0	22.91	22.84	22.76	22.76			
3	QPSK	8	4	22.88	22.75	22.81	22.81	24.2		
3	QPSK	8	0	22.95	22.92	22.80	22.80			
3	QPSK	16	0	22.98	22.82	22.81	22.81			
3	HQDM	1	0	23.95	23.18	23.16	23.16			
3	HQDM	1	8	23.07	22.83	23.22	23.22	24.2		
3	HQDM	1	14	23.18	22.69	23.03	23.03			
3	HQDM	8	0	21.94	22.04	21.76	21.76			
3	HQDM	8	4	21.94	22.01	21.87	21.87			
3	HQDM	8	7	21.93	21.93	21.74	21.74	23.2		
3	HQDM	16	0	21.87	21.87	21.82	21.82			
3	HQDM	1	0	22.04	22.18	21.98	21.98			
3	HQDM	1	8	21.88	21.75	21.90	21.90			
3	HQDM	1	54	22.00	21.83	21.89	21.89	22.2		
3	HQDM	8	0	20.96	20.73	20.82	20.82			
3	HQDM	8	4	20.77	20.97	20.82	20.82			
3	HQDM	8	7	20.92	20.94	20.76	20.76			
3	HQDM	16	0	20.74	20.78	20.83	20.83	20.2		
3	SSBDM	1	0	18.97	18.87	18.85	18.85			
3	SSBDM	1	0	19.07	18.98	18.77	18.77			
3	SSBDM	1	14	18.97	18.88	18.78	18.78			
3	SSBDM	8	0	19.06	18.94	18.86	18.86	20.2		
3	SSBDM	8	4	19.03	19.01	18.87	18.87			
3	SSBDM	8	7	19.02	19.00	18.84	18.84			
3	SSBDM	50	0	18.99	18.98	18.98	18.98			
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.93	23.84	23.12	23.12	25.2		
1.4	QPSK	1	3	23.83	23.89	23.75	23.75			
1.4	QPSK	1	5	23.91	23.78	23.79	23.79			
1.4	QPSK	3	0	23.92	23.85	23.88	23.88			
1.4	QPSK	3	1	23.90	23.86	23.76	23.76	24.2		
1.4	QPSK	3	3	23.87	23.81	23.69	23.69			
1.4	QPSK	6	0	22.97	22.81	22.72	22.72			
1.4	HQDM	1	0	23.21	22.97	23.03	23.03			
1.4	HQDM	1	0	23.10	23.07	22.90	22.90	24.2		
1.4	HQDM	1	5	23.14	23.33	23.33	23.33			
1.4	HQDM	3	0	22.87	23.13	22.94	22.94			
1.4	HQDM	3	0	22.98	23.06	22.94	22.94			
1.4	HQDM	3	1	22.93	23.05	22.95	22.95	23.2		
1.4	HQDM	6	0	21.89	22.03	21.80	21.80			
1.4	HQDM	1	0	21.96	22.05	22.07	22.07			
1.4	HQDM	1	3	21.85	21.83	22.09	22.09			
1.4	HQDM	1	5	22.09	22.14	22.09	22.09	23.2		
1.4	HQDM	3	0	21.93	21.87	21.88	21.88			
1.4	HQDM	3	1	22.01	22.01	21.78	21.78			
1.4	HQDM	6	0	21.93	22.05	21.88	21.88			
1.4	HQDM	6	0	20.95	21.08	20.76	20.76	22.2		
1.4	SSBDM	1	0	19.13	18.97	18.88	18.88			
1.4	SSBDM	1	3	18.93	18.93	18.89	18.89			
1.4	SSBDM	1	5	18.95	18.98	18.88	18.88			
1.4	SSBDM	3	0	19.27	19.12	19.12	19.12			
1.4	SSBDM	3	0	19.17	19.14	19.02	19.02	20.2		
1.4	SSBDM	3	1	19.01	19.13	19.01	19.01			
1.4	SSBDM	6	0	19.16	18.95	19.11	19.11			
1.4	SSBDM	6	0	19.16	18.95	19.11	19.11			



Band 13_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Power High Ch. F/Freq	Time-to-Acq (ms)
Channel				24300			
Frequency (MHz)				782			
10	QPSK	1	0	23.89			25.2
10	QPSK	1	20	23.94			
10	QPSK	1	40	23.88			
10	QPSK	20	0	22.95			24.2
10	QPSK	20	12	22.97			
10	QPSK	20	25	23.01			
10	QPSK	50	0	22.08			24.2
10	HQDM	1	0	23.89			
10	HQDM	1	20	23.14			
10	HQDM	1	40	23.23			23.2
10	HQDM	20	0	22.17			
10	HQDM	20	12	21.98			
10	HQDM	20	25	22.08			23.2
10	HQDM	50	0	22.09			
10	HQDM	1	0	22.24			
10	HQDM	1	20	21.98			22.2
10	HQDM	1	40	22.08			
10	HQDM	20	0	21.03			
10	HQDM	20	12	20.97			20.2
10	HQDM	20	25	21.00			
10	HQDM	50	0	21.01			
10	256QAM	1	0	19.95			20.2
10	256QAM	1	20	18.98			
10	256QAM	1	40	18.94			
10	256QAM	20	0	19.11			20.2
10	256QAM	20	12	19.08			
10	256QAM	20	25	19.05			
10	256QAM	50	0	19.11			
Channel				23205	23210	23205	Time-to-Acq (ms)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.91	23.92	23.90	25.2
5	QPSK	1	10	23.90	23.92	23.90	
5	QPSK	1	20	23.87	23.91	23.89	
5	QPSK	12	0	23.03	23.03	23.03	24.2
5	QPSK	12	1	22.96	22.99	22.94	
5	QPSK	12	13	22.94	23.00	22.95	
5	QPSK	20	0	23.01	23.02	22.88	24.2
5	HQDM	1	0	23.95	23.17	23.28	
5	HQDM	1	12	23.42	23.16	23.32	
5	HQDM	1	20	23.14	23.15	23.05	23.2
5	HQDM	12	0	22.12	22.00	21.87	
5	HQDM	12	7	22.08	21.91	21.95	
5	HQDM	12	13	22.13	22.01	22.00	23.2
5	HQDM	20	0	22.09	22.00	21.92	
5	HQDM	1	0	22.07	21.99	21.94	
5	HQDM	1	10	22.32	22.26	21.90	22.2
5	HQDM	1	20	22.23	22.07	22.30	
5	HQDM	12	0	21.06	20.97	21.11	
5	HQDM	12	7	21.04	21.03	21.08	20.2
5	HQDM	12	13	21.10	20.87	21.12	
5	HQDM	20	0	21.05	20.98	20.99	
5	256QAM	1	0	19.92	19.98	19.93	20.2
5	256QAM	1	12	19.12	19.01	19.91	
5	256QAM	1	20	19.02	19.96	19.94	
5	256QAM	12	7	19.11	19.04	19.08	20.2
5	256QAM	12	13	19.16	19.03	19.03	
5	256QAM	12	19	19.13	19.05	19.07	
5	256QAM	20	7	19.05	19.09	19.05	



Band 14_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Power High Ch. F/Freq	Time-to-Sett (ms)
Channel				23.80			
Frequency (MHz)				793			
10	QPSK	1	0	23.81			20.2
10	QPSK	1	20	23.84			
10	QPSK	1	40	23.80			
10	QPSK	20	0	22.86			24.2
10	QPSK	20	12	22.87			
10	QPSK	20	25	22.93			
10	QPSK	50	0	22.97			24.2
10	HQDM	1	0	23.19			
10	HQDM	1	20	23.34			
10	HQDM	1	40	23.08			23.2
10	HQDM	20	0	21.99			
10	HQDM	20	12	21.95			
10	HQDM	20	25	21.98			23.2
10	HQDM	50	0	21.98			
10	HQDM	1	0	21.94			
10	HQDM	1	20	21.94			22.2
10	HQDM	1	40	22.95			
10	HQDM	20	0	20.93			
10	HQDM	20	12	20.92			20.2
10	HQDM	20	25	20.88			
10	HQDM	50	0	20.94			
10	256QAM	1	0	18.89			20.2
10	256QAM	1	20	18.90			
10	256QAM	1	40	18.87			
10	256QAM	20	0	18.93			20.2
10	256QAM	20	12	18.94			
10	256QAM	20	25	18.92			
10	256QAM	50	0	18.91			
Channel				23.80	23.81	23.80	
Frequency (MHz)				793.5	793	793.5	
5	QPSK	1	0	23.82	23.83	23.81	20.2
5	QPSK	1	10	23.81	23.82	23.81	
5	QPSK	1	20	23.83	23.82	23.79	
5	QPSK	12	0	22.89	22.83	22.87	24.2
5	QPSK	12	6	22.95	22.88	22.90	
5	QPSK	12	12	22.90	22.80	22.82	
5	QPSK	20	0	23.01	22.95	22.86	24.2
5	HQDM	1	0	23.08	23.25	23.04	
5	HQDM	1	12	23.12	22.94	23.23	
5	HQDM	1	20	23.03	23.27	22.75	23.2
5	HQDM	12	0	21.90	21.98	21.95	
5	HQDM	12	6	21.98	21.97	21.95	
5	HQDM	12	12	21.94	21.86	21.90	23.2
5	HQDM	20	0	22.05	21.97	21.91	
5	HQDM	1	0	22.27	22.29	21.89	
5	HQDM	1	10	21.95	22.26	21.87	22.2
5	HQDM	1	20	22.10	21.77	21.88	
5	HQDM	12	0	20.92	20.82	20.79	
5	HQDM	12	6	20.98	20.90	20.85	20.2
5	HQDM	12	12	20.87	20.78	20.80	
5	HQDM	20	0	20.95	20.91	20.94	
5	256QAM	1	0	18.95	18.95	18.92	20.2
5	256QAM	1	12	18.85	18.81	18.86	
5	256QAM	1	20	18.89	18.84	18.82	
5	256QAM	12	0	18.95	18.90	18.97	20.2
5	256QAM	12	6	18.97	18.91	18.96	
5	256QAM	12	12	18.95	18.93	18.90	
5	256QAM	20	0	18.99	18.90	18.94	

Band 25_Ant 0										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Time-up [ms]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.04	23.06	23.07	23.09	24.6		
20	QPSK	1	48	23.23	23.25	23.26	23.28			
20	QPSK	50	0	22.31	22.28	22.22	22.22			
20	QPSK	50	0	22.30	22.18	22.21	22.21			
20	QPSK	50	24	22.27	22.19	22.15	22.15	23.6		
20	QPSK	100	0	22.27	22.19	22.18	22.18			
20	16QAM	1	0	22.15	22.27	22.24	22.24			
20	16QAM	1	48	22.15	22.27	22.24	22.24			
20	16QAM	50	0	21.31	21.23	21.13	21.13	22.6		
20	16QAM	50	24	21.37	21.28	21.18	21.18			
20	16QAM	50	50	21.34	21.24	21.24	21.24			
20	16QAM	100	0	21.24	21.15	21.21	21.21			
20	16QAM	1	0	21.41	21.44	21.51	21.51	22.6		
20	16QAM	1	48	21.17	21.13	21.10	21.10			
20	16QAM	50	24	20.32	20.27	20.28	20.28			
20	16QAM	50	50	20.28	20.27	20.25	20.25			
20	16QAM	100	0	20.29	20.17	20.28	20.28	21.6		
20	256QAM	1	0	18.15	18.15	18.15	18.15			
20	256QAM	1	48	18.22	18.16	18.08	18.08			
20	256QAM	50	24	18.38	18.23	18.25	18.25			
20	256QAM	50	50	18.35	18.24	18.22	18.22	19.6		
20	256QAM	100	0	18.38	18.21	18.25	18.25			
20	256QAM	100	0	18.35	18.17	18.25	18.25			
20	256QAM	100	0	18.35	18.17	18.25	18.25			
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.22	23.17	23.13	23.13	24.6		
15	QPSK	1	48	23.23	23.20	23.12	23.12			
15	QPSK	1	74	23.21	23.08	22.96	22.96			
15	QPSK	36	20	22.28	22.21	22.28	22.28			
15	QPSK	36	36	22.33	22.22	22.26	22.26	23.6		
15	QPSK	72	0	22.29	22.20	22.14	22.14			
15	16QAM	1	0	22.71	22.68	22.53	22.53			
15	16QAM	1	37	22.59	22.72	22.51	22.51			
15	16QAM	36	0	21.36	21.30	21.32	21.32	23.6		
15	16QAM	36	36	21.33	21.29	21.26	21.26			
15	16QAM	72	0	21.27	21.27	21.20	21.20			
15	16QAM	72	0	21.27	21.27	21.20	21.20			
15	16QAM	36	36	21.28	21.16	21.26	21.26	22.6		
15	16QAM	1	0	21.53	21.51	21.58	21.58			
15	16QAM	1	37	21.51	21.54	21.27	21.27			
15	16QAM	36	20	20.28	20.28	20.26	20.26			
15	16QAM	36	36	20.42	20.26	20.21	20.21	21.6		
15	256QAM	1	0	18.31	18.21	18.14	18.14			
15	256QAM	1	37	18.21	18.03	18.20	18.20			
15	256QAM	36	20	18.33	18.13	18.20	18.20			
15	256QAM	36	36	18.31	18.17	18.18	18.18	19.6		
15	256QAM	72	0	18.29	18.17	18.16	18.16			
15	256QAM	72	0	18.29	18.17	18.16	18.16			
15	256QAM	72	0	18.29	18.17	18.16	18.16			
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.16	23.22	23.18	23.18	24.6		
10	QPSK	1	25	22.97	23.04	23.09	23.09			
10	QPSK	1	48	23.17	23.21	23.06	23.06			
10	QPSK	1	74	23.21	23.08	22.96	22.96			
10	QPSK	25	12	22.28	22.22	22.09	22.09	23.6		
10	QPSK	25	25	22.32	22.18	22.13	22.13			
10	QPSK	50	0	22.28	22.19	22.12	22.12			
10	16QAM	1	0	22.47	22.31	22.46	22.46			
10	16QAM	1	25	22.80	22.76	22.62	22.62	23.6		
10	16QAM	1	48	22.72	22.41	22.33	22.33			
10	16QAM	25	12	21.32	21.10	21.21	21.21			
10	16QAM	25	12	21.30	21.10	21.19	21.19			
10	16QAM	25	25	21.30	21.17	21.27	21.27	22.6		
10	16QAM	50	0	21.34	21.15	21.24	21.24			
10	16QAM	1	0	21.16	21.51	21.15	21.15			
10	16QAM	1	25	21.63	21.06	21.03	21.03			
10	16QAM	1	48	21.06	21.22	21.35	21.35	21.6		
10	16QAM	25	0	20.34	20.27	20.17	20.17			
10	16QAM	25	12	20.34	20.27	20.21	20.21			
10	16QAM	25	25	20.35	20.21	20.26	20.26			
10	16QAM	50	0	20.30	20.25	20.20	20.20	19.6		
10	256QAM	1	0	18.31	18.14	18.12	18.12			
10	256QAM	1	25	18.20	17.97	18.09	18.09			
10	256QAM	1	48	18.08	17.97	18.01	18.01			
10	256QAM	25	0	18.23	18.07	18.15	18.15			
10	256QAM	25	12	18.23	18.05	18.11	18.11	19.6		
10	256QAM	25	25	18.22	18.08	18.16	18.16			
10	256QAM	50	0	18.27	18.08	18.06	18.06			
10	256QAM	50	0	18.27	18.08	18.06	18.06			
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.12	23.12	23.05	23.05	24.6		
5	QPSK	1	12	23.20	23.22	23.05	23.05			
5	QPSK	1	24	23.21	23.15	23.01	23.01			
5	QPSK	1	48	22.27	22.14	22.09	22.09			
5	QPSK	12	7	22.35	22.22	22.19	22.19	23.6		
5	QPSK	12	13	22.34	22.21	22.16	22.16			
5	QPSK	24	0	22.24	22.21	22.19	22.19			
5	16QAM	1	0	22.62	22.71	22.31	22.31			
5	16QAM	1	12	22.59	22.56	22.47	22.47	23.6		
5	16QAM	1	24	22.58	22.53	22.20	22.20			
5	16QAM	12	0	21.29	21.27	21.29	21.29			
5	16QAM	12	13	21.45	21.26	21.30	21.30			
5	16QAM	12	13	21.40	21.17	21.19	21.19	22.6		
5	16QAM	24	0	21.21	21.28	21.15	21.15			
5	16QAM	1	0	21.35	21.53	21.19	21.19			
5	16QAM	1	12	21.23	21.84	21.80	21.80			
5	16QAM	1	24	21.87	21.27	21.26	21.26	21.6		
5	16QAM	12	7	20.28	20.37	20.23	20.23			
5	16QAM	12	7	20.26	20.31	20.20	20.20			
5	16QAM	12	13	20.44	20.28	20.32	20.32			
5	16QAM	24	0	20.32	20.18	20.12	20.12	19.6		
5	256QAM	1	0	18.36	18.13	18.14	18.14			
5	256QAM	1	12	18.19	17.98	18.20	18.20			
5	256QAM	1	24	18.01	17.97	17.99	17.99			
5	256QAM	12	0	18.15	18.03	18.15	18.15			
5	256QAM	12	7	18.16	17.98	18.10	18.10	19.6		
5	256QAM	12	13	18.21	18.08	18.06	18.06			
5	256QAM	24	0	18.17	18.02	17.96	17.96			
5	256QAM	24	0	18.17	18.02	17.96	17.96			
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.16	23.13	23.08	23.08	24.6		
3	QPSK	1	8	23.18	23.01	23.05	23.05			
3	QPSK	1	14	23.22	23.19	23.07	23.07			
3	QPSK	8	0	22.23	22.14	22.12	22.12			
3	QPSK	8	4	22.24	22.07	22.05	22.05	23.6		
3	QPSK	8	7	22.25	22.12	22.04	22.04			
3	16QAM	1	0	22.62	22.71	22.31	22.31			
3	16QAM	1	8	22.59	22.56	22.47	22.47			
3	16QAM	1	14	22.58	22.53	22.20	22.20	23.6		
3	16QAM	8	0	21.36	21.24	21.24	21.24			
3	16QAM	8	4	21.22	21.26	21.23	21.23			
3	16QAM	8	7	21.25	21.18	21.18	21.18			
3	16QAM	16	0	21.29	21.48	21.25	21.25	22.6		
3	16QAM	1	0	21.43	21.20	21.23	21.23			
3	16QAM	1	8	21.43	21.20	21.23	21.23			
3	16QAM	16	0	20.30	20.27	20.21	20.21			
3	16QAM	16	8	20.32	20.27	20.25	20.25	21.6		
3	16QAM	8	7	20.24	20.30	20.19	20.19			
3	256QAM	1	0	18.31	18.17	18.08	18.08			
3	256QAM	1	8	18.13	17.80	18.16	18.16			
3	256QAM	1	14	18.15	17.82	18.15	18.15	19.6		
3	256QAM	8	0	18.18	17.80	18.15	18.15			
3	256QAM	8	4	18.08	17.87	18.07	18.07			
3	256QAM	8	7	18.10	17.82	18.07	18.07			
3	256QAM	16	0	18.16	17.84	17.91	17.91			
3	256QAM	16	8	18.07	17.82	17.88	17.88			
3	256QAM	3	3	18.12	18.04	18.05	18.05	19.6		
3	256QAM	3	3	18.12	18.04	18.05	18.05			
3	256QAM	3	3	18.12	18.04	18.05	18.05			
3	256QAM	3	3	18.12	18.04	18.05	18.05			
3	256QAM	3	3	18.12	18.04	18.05	18.05			
3	256QAM	3	3	18.12	18.04	18.05	18.05			

Band 26_Ant 1										
RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power High Ch./Freq.	Time-up (sec)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.765	23.865	23.865	23.865	25		
15	QPSK	1	37	23.813	23.666	23.633	23.633			
15	QPSK	31	0	23.741	23.715	23.643	23.643			
15	QPSK	36	0	22.777	22.71	22.62	22.62			
15	QPSK	36	20	22.81	22.75	22.63	22.63	24		
15	QPSK	36	39	22.68	22.72	22.57	22.57			
15	QPSK	75	0	22.81	22.78	22.62	22.62			
15	HQDM	1	0	22.75	22.83	22.54	22.54			
15	HQDM	1	37	22.26	22.79	22.22	22.22	24		
15	HQDM	1	74	23.28	22.68	22.84	22.84			
15	HQDM	31	0	21.74	21.71	21.61	21.61			
15	HQDM	31	20	21.75	21.75	21.67	21.67			
15	HQDM	31	39	21.78	21.67	21.67	21.67	23		
15	HQDM	75	0	21.70	21.74	21.58	21.58			
15	HQDM	1	0	21.28	21.62	21.46	21.46			
15	HQDM	1	37	21.71	21.44	21.43	21.43			
15	HQDM	31	0	20.74	20.75	20.66	20.66	23		
15	HQDM	31	20	20.73	20.71	20.65	20.65			
15	HQDM	31	39	20.75	20.71	20.65	20.65			
15	HQDM	75	0	20.75	20.74	20.58	20.58			
15	256QAM	1	0	18.97	18.73	18.81	18.81	22		
15	256QAM	1	37	18.96	18.69	18.74	18.74			
15	256QAM	1	74	18.75	18.64	18.65	18.65			
15	256QAM	31	0	19.05	18.91	18.81	18.81			
15	256QAM	31	20	18.92	18.86	18.79	18.79			
15	256QAM	31	39	18.90	18.77	18.71	18.71	20		
15	256QAM	75	0	18.98	18.88	18.89	18.89			
15	256QAM	75	0	18.98	18.88	18.89	18.89			
15	256QAM	25	12	18.94	18.86	18.71	18.71			
15	256QAM	50	0	19.03	18.98	18.87	18.87			
15	256QAM	50	0	19.03	18.98	18.87	18.87			
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.81	23.83	23.83	23.83	25		
15	QPSK	1	26	23.59	23.52	23.43	23.43			
15	QPSK	1	49	23.83	23.84	23.57	23.57			
15	QPSK	25	0	22.94	22.72	22.67	22.67			
15	QPSK	25	12	22.98	22.80	22.70	22.70	24		
15	QPSK	25	26	22.88	22.87	22.57	22.57			
15	QPSK	50	0	22.92	22.81	22.70	22.70			
15	HQDM	1	0	23.38	22.99	22.85	22.85			
15	HQDM	1	26	23.27	22.96	22.85	22.85	24		
15	HQDM	1	49	23.38	23.22	22.89	22.89			
15	HQDM	25	0	21.87	21.80	21.62	21.62			
15	HQDM	25	12	21.95	21.77	21.72	21.72			
15	HQDM	25	26	21.94	21.76	21.65	21.65	23		
15	HQDM	50	0	21.90	21.78	21.61	21.61			
15	HQDM	1	0	21.93	21.81	21.51	21.51			
15	HQDM	1	26	21.95	22.18	21.96	21.96			
15	HQDM	1	49	21.47	22.26	21.96	21.96	23		
15	HQDM	25	0	20.86	20.78	20.71	20.71			
15	HQDM	25	12	20.91	20.69	20.67	20.67			
15	HQDM	25	26	20.94	20.80	20.70	20.70			
15	HQDM	50	0	21.00	20.80	20.70	20.70	22		
15	256QAM	1	0	18.86	18.84	18.72	18.72			
15	256QAM	1	26	18.83	18.71	18.65	18.65			
15	256QAM	1	49	18.81	18.72	18.64	18.64			
15	256QAM	25	12	18.98	18.88	18.75	18.75			
15	256QAM	25	26	18.94	18.86	18.71	18.71	20		
15	256QAM	50	0	19.03	18.98	18.87	18.87			
15	256QAM	50	0	19.03	18.98	18.87	18.87			
15	256QAM	50	0	19.03	18.98	18.87	18.87			
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.81	23.58	23.65	23.65	25		
5	QPSK	1	12	23.59	23.62	23.58	23.58			
5	QPSK	1	24	23.63	23.65	23.54	23.54			
5	QPSK	12	0	22.88	22.80	22.54	22.54			
5	QPSK	12	7	22.89	22.79	22.62	22.62	24		
5	QPSK	12	14	22.82	22.75	22.59	22.59			
5	QPSK	25	0	22.99	22.70	22.51	22.51			
5	HQDM	1	0	23.78	23.60	23.44	23.44			
5	HQDM	1	14	23.38	23.17	22.99	22.99	24		
5	HQDM	1	34	23.25	23.17	22.80	22.80			
5	HQDM	12	0	21.98	21.76	21.67	21.67			
5	HQDM	12	7	21.93	21.70	21.64	21.64			
5	HQDM	12	14	21.92	21.78	21.59	21.59	23		
5	HQDM	25	0	21.94	21.69	21.67	21.67			
5	HQDM	1	0	21.80	21.89	21.55	21.55			
5	HQDM	1	12	22.18	21.84	21.71	21.71			
5	HQDM	1	24	22.15	22.11	21.88	21.88	22		
5	HQDM	12	0	20.90	20.71	20.52	20.52			
5	HQDM	12	7	20.91	20.72	20.63	20.63			
5	HQDM	12	14	20.90	20.82	20.66	20.66			
5	HQDM	25	0	21.00	20.68	20.54	20.54	20		
5	256QAM	1	0	19.02	18.69	18.76	18.76			
5	256QAM	1	12	18.95	18.61	18.78	18.78			
5	256QAM	1	24	18.79	18.60	18.70	18.70			
5	256QAM	12	0	19.02	18.92	18.65	18.65			
5	256QAM	12	7	18.96	18.75	18.66	18.66	20		
5	256QAM	12	14	18.96	18.67	18.76	18.76			
5	256QAM	25	0	18.95	18.93	18.92	18.92			
5	256QAM	25	0	18.95	18.93	18.92	18.92			
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.59	23.61	23.56	23.56	25		
3	QPSK	1	8	23.84	23.58	23.43	23.43			
3	QPSK	1	14	23.83	23.54	23.45	23.45			
3	QPSK	8	0	22.84	22.68	22.46	22.46			
3	QPSK	8	4	22.82	22.64	22.43	22.43	24		
3	QPSK	8	7	22.88	22.72	22.45	22.45			
3	QPSK	16	0	22.86	22.63	22.53	22.53			
3	HQDM	1	0	23.07	23.06	23.02	23.02			
3	HQDM	1	8	22.95	22.86	22.56	22.56	24		
3	HQDM	1	14	22.97	23.24	22.61	22.61			
3	HQDM	8	0	21.79	21.74	21.66	21.66			
3	HQDM	8	4	21.84	21.84	21.62	21.62			
3	HQDM	8	7	21.92	21.72	21.53	21.53	23		
3	HQDM	16	0	21.91	21.74	21.53	21.53			
3	HQDM	1	0	21.97	22.04	21.33	21.33			
3	HQDM	1	8	21.81	21.76	21.73	21.73			
3	HQDM	1	14	22.02	21.99	21.49	21.49	22		
3	HQDM	8	0	20.97	20.97	20.62	20.62			
3	HQDM	8	4	20.84	20.80	20.49	20.49			
3	HQDM	8	7	20.81	20.72	20.55	20.55			
3	HQDM	16	0	20.76	20.58	20.37	20.37	20		
3	256QAM	1	0	18.94	18.82	18.72	18.72			
3	256QAM	1	8	19.05	18.62	18.79	18.79			
3	256QAM	1	14	18.76	18.58	18.71	18.71			
3	256QAM	8	0	18.95	18.85	18.71	18.71			
3	256QAM	8	4	18.97	18.73	18.78	18.78	20		
3	256QAM	8	7	18.82	18.84	18.72	18.72			
3	256QAM	15	0	18.88	18.88	18.94	18.94			
3	256QAM	15	0	18.88	18.88	18.94	18.94			
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.65	23.59	23.36	23.36	25		
1.4	QPSK	1	8	23.63	23.54	23.35	23.35			
1.4	QPSK	3	0	23.60	23.63	23.52	23.52			
1.4	QPSK	3	8	23.62	23.59	23.57	23.57			
1.4	QPSK	3	3	23.62	23.64	23.49	23.49	24		
1.4	QPSK	8	0	22.81	22.84	22.55	22.55			
1.4	HQDM	1	0	23.37	23.05	22.90	22.90			
1.4	HQDM	1	8	23.43	23.11	22.98	22.98			
1.4	HQDM	1	5	23.11	23.76	22.70	22.70	24		
1										



Band 30_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Power High Ch. F/Freq	Time-to-Sett (ms)
Channel				2171.0	2171.0		
Frequency (MHz)				2171.0			
10	QPSK	1	0	22.59			24.4
10	QPSK	1	20	22.62			
10	QPSK	1	40	22.58			
10	QPSK	20	0	21.60			23.4
10	QPSK	20	12	21.68			
10	QPSK	20	25	21.62			
10	QPSK	50	0	21.74			23.4
10	HQDM	1	0	21.98			
10	HQDM	1	20	21.94			
10	HQDM	1	40	21.81			22.4
10	HQDM	20	0	20.78			
10	HQDM	20	12	20.59			
10	HQDM	20	25	20.61			22.4
10	HQDM	50	0	20.71			
10	HQDM	1	0	20.75			22.4
10	HQDM	1	20	20.70			
10	HQDM	1	40	20.64			
10	HQDM	20	0	19.72			21.4
10	HQDM	20	12	19.88			
10	HQDM	20	25	19.85			
10	HQDM	50	0	19.78			19.4
10	25QDM	1	0	17.81			
10	25QDM	1	20	17.73			
10	25QDM	1	40	17.89			19.4
10	25QDM	20	0	17.85			
10	25QDM	20	12	17.84			
10	25QDM	20	25	17.77			19.4
10	25QDM	50	0	17.84			
Channel				2180.5	2171.0	2171.0	
Frequency (MHz)				2187.5	2110	2112.5	
5	QPSK	1	0	22.59	22.60	22.57	24.4
5	QPSK	1	10	22.54	22.61	22.50	
5	QPSK	1	20	22.56	22.58	22.47	
5	QPSK	12	0	21.65	21.64	21.55	23.4
5	QPSK	12	6	21.61	21.68	21.64	
5	QPSK	12	12	21.67	21.69	21.63	
5	QPSK	20	0	21.74	21.71	21.61	23.4
5	HQDM	1	0	22.08	21.92	22.44	
5	HQDM	1	12	22.02	21.85	22.07	
5	HQDM	1	20	22.27	22.08	21.74	22.4
5	HQDM	12	0	20.64	20.54	20.72	
5	HQDM	12	6	20.62	20.71	20.71	
5	HQDM	12	12	20.58	20.69	20.61	22.4
5	HQDM	20	0	20.59	20.71	20.64	
5	HQDM	1	0	20.68	20.95	20.81	
5	HQDM	1	10	20.95	20.95	20.70	21.4
5	HQDM	1	20	20.82	20.70	20.55	
5	HQDM	12	0	19.69	19.68	19.78	
5	HQDM	12	6	19.65	19.57	19.68	19.4
5	HQDM	12	12	19.63	19.58	19.81	
5	HQDM	20	0	19.59	19.70	19.59	
5	25QDM	1	0	17.73	17.76	17.84	19.4
5	25QDM	1	12	17.68	17.71	17.81	
5	25QDM	1	20	17.74	17.86	17.66	
5	25QDM	12	0	17.75	17.85	17.83	19.4
5	25QDM	12	6	17.78	17.77	17.77	
5	25QDM	12	12	17.77	17.76	17.75	
5	25QDM	20	0	17.83	17.77	17.78	

Band 66_Ant 0										
RW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Mean	Power Ch1	Power Ch2	Time-up (sec)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.89	22.84	22.76			24.4	
20	QPSK	1	48	23.11	22.98	22.86				
20	QPSK	50	0	22.20	22.03	21.84				
20	QPSK	50	24	22.22	22.05	22.02				
20	QPSK	50	50	22.18	21.98	21.99			23.4	
20	QPSK	100	0	22.18	22.03	22.02				
20	HQPSK	1	0	21.97	22.31	22.26				
20	HQPSK	1	48	22.32	22.27	22.08				
20	HQPSK	1	96	22.15	22.25	22.22			23.4	
20	HQPSK	50	0	21.07	21.11	20.89				
20	HQPSK	50	24	21.18	21.05	20.91				
20	HQPSK	100	0	21.08	21.08	20.92				
20	HQPSK	1	0	21.09	21.15	21.11			22.4	
20	HQPSK	1	48	21.29	21.08	20.74				
20	HQPSK	50	0	20.08	20.08	19.88				
20	HQPSK	50	24	20.26	20.02	20.08				
20	HQPSK	50	50	20.24	20.06	20.00			21.4	
20	HQPSK	100	0	20.14	20.01	19.92				
20	HQPSK	1	0	17.76	17.79	17.79				
20	HQPSK	1	48	18.14	17.91	17.88				
20	HQPSK	1	96	18.04	17.68	18.11			19.4	
20	HQPSK	50	0	17.88	17.95	17.90				
20	HQPSK	50	24	18.09	17.86	18.01				
20	HQPSK	50	50	18.12	17.99	18.05				
20	HQPSK	100	0	18.02	17.87	18.02				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.08	23.01	22.80			24.4	
15	QPSK	1	48	23.09	22.95	22.80				
15	QPSK	1	96	23.10	22.90	22.93				
15	QPSK	36	0	22.12	22.00	21.90				
15	QPSK	36	24	22.20	22.01	21.88			23.4	
15	QPSK	36	36	22.24	22.07	22.03				
15	QPSK	72	0	22.08	22.04	21.95				
15	QPSK	72	36	22.08	22.05	22.04				
15	HQPSK	1	37	22.44	22.24	22.20			23.4	
15	HQPSK	1	75	22.24	22.21	22.21				
15	HQPSK	36	0	21.10	21.09	20.88				
15	HQPSK	36	24	21.17	21.16	20.99				
15	HQPSK	36	36	21.17	21.08	20.86			22.4	
15	HQPSK	72	0	21.14	21.07	20.91				
15	HQPSK	1	0	21.07	21.32	21.01				
15	HQPSK	1	36	20.97	21.01	20.80				
15	HQPSK	1	74	21.08	20.71	21.04			21.4	
15	HQPSK	36	0	20.16	20.07	20.00				
15	HQPSK	36	24	20.17	20.10	20.01				
15	HQPSK	36	36	20.12	20.09	19.97				
15	HQPSK	72	0	20.13	20.04	19.96			19.4	
15	HQPSK	72	36	17.85	17.85	17.85				
15	HQPSK	1	37	18.00	17.94	17.88				
15	HQPSK	1	75	18.17	17.96	18.07				
15	HQPSK	36	0	18.02	17.95	18.01			19.4	
15	HQPSK	36	24	18.13	17.88	18.04				
15	HQPSK	36	36	18.15	18.03	18.06				
15	HQPSK	72	0	18.05	17.96	18.04				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.99	23.02	22.91			24.4	
10	QPSK	1	24	22.95	22.85	22.70				
10	QPSK	1	48	23.04	22.97	22.93				
10	QPSK	24	0	22.18	22.05	21.93				
10	QPSK	24	12	22.18	22.10	21.97			23.4	
10	QPSK	24	24	22.11	22.05	22.01				
10	QPSK	48	0	22.18	22.01	21.98				
10	HQPSK	1	16	22.21	22.24	22.21				
10	HQPSK	1	24	22.44	22.46	21.84			23.4	
10	HQPSK	1	48	22.62	22.60	22.42				
10	HQPSK	24	0	21.23	21.08	21.00				
10	HQPSK	24	12	21.07	21.10	20.95				
10	HQPSK	24	24	21.18	21.04	20.99			22.4	
10	HQPSK	48	0	21.23	21.12	21.07				
10	HQPSK	1	0	21.26	21.44	21.41				
10	HQPSK	1	24	21.68	21.19	21.52				
10	HQPSK	1	48	21.03	21.09	21.32			21.4	
10	HQPSK	24	0	20.19	20.07	19.94				
10	HQPSK	24	12	20.07	20.04	19.93				
10	HQPSK	24	24	20.19	20.07	20.00				
10	HQPSK	48	0	20.10	20.01	19.96			19.4	
10	HQPSK	48	12	17.98	17.99	17.95				
10	HQPSK	1	24	18.05	17.99	17.95				
10	HQPSK	1	48	18.15	18.09	18.12				
10	HQPSK	24	0	17.98	17.98	17.98			19.4	
10	HQPSK	24	12	18.04	17.96	18.00				
10	HQPSK	24	24	18.09	17.98	18.03				
10	HQPSK	48	0	18.03	17.99	18.02				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.02	23.01	22.84			24.4	
5	QPSK	1	12	23.09	23.06	23.06				
5	QPSK	1	24	23.09	23.05	22.88				
5	QPSK	1	48	22.18	22.11	22.01				
5	QPSK	12	7	22.13	22.09	22.00			23.4	
5	QPSK	12	13	22.17	22.07	21.97				
5	QPSK	24	0	22.12	22.07	21.98				
5	HQPSK	1	0	22.13	22.11	21.75				
5	HQPSK	1	12	22.42	22.38	22.19			23.4	
5	HQPSK	1	24	22.47	22.30	22.08				
5	HQPSK	12	0	21.24	21.16	21.00				
5	HQPSK	12	12	21.23	21.14	21.02				
5	HQPSK	12	18	21.23	21.08	21.10			22.4	
5	HQPSK	24	0	21.03	21.14	20.97				
5	HQPSK	1	0	21.05	21.41	21.11				
5	HQPSK	1	12	21.25	21.47	21.16				
5	HQPSK	1	24	21.26	20.88	21.49			21.4	
5	HQPSK	12	0	20.06	20.01	20.03				
5	HQPSK	12	7	19.99	20.02	20.18				
5	HQPSK	12	18	20.17	20.16	19.98				
5	HQPSK	1	0	17.85	17.81	17.92			19.4	
5	HQPSK	1	12	18.03	17.94	18.02				
5	HQPSK	1	24	18.07	17.90	18.04				
5	HQPSK	12	0	18.02	17.94	18.02				
5	HQPSK	12	7	18.03	17.96	18.04			19.4	
5	HQPSK	12	18	18.06	17.99	18.05				
5	HQPSK	24	0	17.99	17.93	18.01				
5	HQPSK	24	12	17.98	17.92	18.00				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.05	23.06	22.90			24.4	
3	QPSK	1	8	23.04	22.88	22.95				
3	QPSK	1	16	22.97	22.96	22.91				
3	QPSK	8	0	22.08	22.03	21.94				
3	QPSK	8	4	22.10	21.93	22.04			23.4	
3	QPSK	8	7	22.15	22.01	21.92				
3	QPSK	16	0	22.10	22.04	21.92				
3	HQPSK	1	0	21.80	22.23	21.76				
3	HQPSK	1	8	21.88	22.22	22.30			23.4	
3	HQPSK	1	16	21.09	21.16	21.00				
3	HQPSK	8	0	21.13	21.16	20.99				
3	HQPSK	8	4	21.25	21.07	21.00				
3	HQPSK	8	7	21.26	21.02	21.11			22.4	
3	HQPSK	16	0	21.25	21.08	21.02				
3	HQPSK	1	0	21.48	21.19	21.12				
3	HQPSK	1	8	21.42	21.33	21.30				
3	HQPSK	1	16	21.23	20.90	20.79			21.4	
3	HQPSK	8	0	20.13	20.14	20.06				
3	HQPSK	8	4	20.15	19.98	19.76				
3	HQPSK	8	7	20.09	20.08	19.96				
3	HQPSK	16	0	20.18	19.99	19.99			19.4	
3	HQPSK	1	0	17.85	17.80	17.92				
3	HQPSK	1	8	17.84	17.84	17.90			19.4	
3	HQPSK	1	16	17.81	17.82	17.86				
3	HQPSK	8	0	17.97	17.81	18.04			19.4	
3	HQPSK	8	4	18.05	17.84	18.08				
3	HQPSK	8	7	18.06	17.86	18.04			19.4	
3	HQPSK	16	0	17.89	17.86	17.87				
3	HQPSK	3	0	17.80	17.73	17.83			19.4	
3	HQPSK	3	8	17.79	17.76	17.78				

Band 71_Ant 1										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Mean Ch/Freq	Power High Ch/Freq	Time-up (ms)			
Channel										
Frequency (MHz)										
673 683 693										
20	QPSK	1	0	23.77	23.88	23.83	25			
20	QPSK	1	49	23.83	23.88	23.88				
20	QPSK	1	99	23.78	23.88	23.88				
20	QPSK	64	0	22.91	22.75	22.60	24			
20	QPSK	50	24	22.88	22.76	22.77				
20	QPSK	50	50	22.94	22.77	22.76				
20	QPSK	100	0	22.98	22.77	22.68	24			
20	HQDM	1	0	22.79	22.80	22.82				
20	HQDM	1	49	23.19	22.83	22.90				
20	HQDM	1	99	23.22	23.22	23.30	23			
20	HQDM	50	0	21.92	21.84	21.89				
20	HQDM	50	25	21.96	21.86	21.89				
20	HQDM	50	50	21.83	21.72	21.71	23			
20	HQDM	100	0	21.88	21.86	21.80				
20	HQDM	1	0	21.86	21.73	21.65	23			
20	HQDM	1	49	21.91	21.87	21.85				
20	HQDM	1	99	22.33	21.88	21.87				
20	HQDM	50	0	20.83	20.87	20.83	22			
20	HQDM	50	24	20.90	20.73	20.71				
20	HQDM	50	50	20.86	20.76	20.75				
20	HQDM	100	0	20.83	20.80	20.84	20			
20	SSBQAM	1	0	18.88	18.87	18.77				
20	SSBQAM	1	49	18.91	18.77	18.80				
20	SSBQAM	99	99	18.95	18.80	18.85	20			
20	SSBQAM	50	0	19.13	18.97	19.05				
20	SSBQAM	50	24	18.07	18.90	18.94				
20	SSBQAM	50	50	18.04	18.88	18.84	20			
20	SSBQAM	100	0	18.03	18.90	18.85				
Channel										
670.5 680.5 690.5										
Frequency (MHz)										
670.5 680.5 690.5										
15	QPSK	1	0	23.79	23.70	23.84	25			
15	QPSK	1	97	23.81	23.84	23.80				
15	QPSK	1	74	23.80	23.81	23.82				
15	QPSK	30	0	23.02	22.90	22.73	24			
15	QPSK	30	20	23.03	22.87	22.70				
15	QPSK	30	39	22.88	22.84	22.72				
15	QPSK	75	0	23.02	22.86	22.84	24			
15	HQDM	1	0	23.08	23.24	23.29				
15	HQDM	1	37	23.70	23.25	23.28				
15	HQDM	1	74	23.38	23.07	23.31	23			
15	HQDM	30	0	21.92	21.76	21.81				
15	HQDM	30	20	21.92	21.91	21.74				
15	HQDM	30	39	22.00	21.90	21.86	23			
15	HQDM	75	0	22.00	21.83	21.87				
15	HQDM	1	0	22.09	22.02	21.81				
15	HQDM	1	97	22.01	21.86	21.86	23			
15	HQDM	1	74	21.94	22.15	21.90				
15	HQDM	30	0	20.96	20.86	20.89				
15	HQDM	30	20	21.03	20.86	20.84	22			
15	HQDM	30	39	20.96	20.89	20.75				
15	HQDM	75	0	21.00	20.83	20.76				
15	SSBQAM	1	0	18.91	18.83	18.76	20			
15	SSBQAM	1	37	18.94	18.80	18.74				
15	SSBQAM	75	75	18.96	18.76	18.84				
15	SSBQAM	30	0	19.00	19.04	19.07	20			
15	SSBQAM	30	20	19.01	18.87	18.86				
15	SSBQAM	30	39	18.98	18.86	18.76				
15	SSBQAM	75	0	19.02	18.98	18.85				
Channel										
1311.72 1322.72 1334.72										
Frequency (MHz)										
682.5 692.5 702.5										
10	QPSK	1	0	23.80	23.84	23.84	25			
10	QPSK	1	25	23.89	23.88	23.83				
10	QPSK	1	49	23.81	23.73	23.68				
10	QPSK	20	0	22.85	22.80	22.51	24			
10	QPSK	25	12	22.83	22.77	22.59				
10	QPSK	20	20	22.78	22.76	22.55				
10	QPSK	60	0	22.87	22.85	22.58	24			
10	HQDM	1	0	23.84	22.84	22.76				
10	HQDM	1	25	23.36	22.95	22.87				
10	HQDM	1	49	23.15	23.05	22.89	23			
10	HQDM	20	0	22.00	21.71	21.80				
10	HQDM	20	12	21.82	21.81	21.70				
10	HQDM	20	20	21.87	21.70	21.69	23			
10	HQDM	60	0	21.85	21.73	21.68				
10	HQDM	1	0	21.83	21.77	21.68				
10	HQDM	1	25	21.87	21.81	21.45	23			
10	HQDM	1	49	21.47	22.07	21.63				
10	HQDM	20	0	20.92	20.75	20.68				
10	HQDM	20	12	20.89	20.73	20.64	22			
10	HQDM	20	20	20.89	20.70	20.58				
10	HQDM	50	0	20.90	20.75	20.57				
10	SSBQAM	1	0	18.87	18.84	18.77	20			
10	SSBQAM	1	25	18.89	18.73	18.68				
10	SSBQAM	1	49	18.93	18.91	18.87				
10	SSBQAM	20	0	19.08	19.11	18.83	20			
10	SSBQAM	20	12	19.09	18.99	18.85				
10	SSBQAM	25	25	19.08	18.90	18.77				
10	SSBQAM	50	0	19.10	18.96	18.83	20			
Channel										
1311.47 1324.47 1334.47										
Frequency (MHz)										
692.5 702.5 712.5										
5	QPSK	1	0	23.83	23.83	23.87	25			
5	QPSK	1	12	23.81	23.77	23.60				
5	QPSK	1	24	23.79	23.80	23.47				
5	QPSK	10	0	22.82	22.78	22.55	24			
5	QPSK	12	7	22.82	22.76	22.52				
5	QPSK	12	13	22.81	22.81	22.52				
5	QPSK	20	0	22.97	22.84	22.56	24			
5	HQDM	1	0	23.31	22.98	22.72				
5	HQDM	1	10	23.23	23.35	23.08				
5	HQDM	1	24	23.11	23.28	23.02	23			
5	HQDM	12	0	22.93	21.82	21.52				
5	HQDM	10	7	21.06	21.77	21.60				
5	HQDM	12	13	21.99	21.75	21.43	23			
5	HQDM	20	0	21.97	21.80	21.61				
5	HQDM	1	0	22.00	22.02	22.11				
5	HQDM	1	12	22.14	22.04	22.18	23			
5	HQDM	11	24	22.11	22.16	21.79				
5	HQDM	10	0	21.04	20.80	20.69				
5	HQDM	12	7	20.91	20.87	20.81	22			
5	HQDM	10	10	20.91	20.75	20.64				
5	HQDM	20	0	20.92	20.79	20.53				
5	SSBQAM	1	0	18.92	18.92	18.75	20			
5	SSBQAM	1	10	18.97	18.89	18.77				
5	SSBQAM	1	24	19.08	18.87	18.70				
5	SSBQAM	12	0	19.01	18.91	18.74	20			
5	SSBQAM	10	7	19.02	18.90	18.72				

Band 7_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Time-up (sec)	Time-down (sec)
Channel									
Frequency (MHz)				2510	2510	2510	2510		
20	QPSK	1	0	21.78	21.81	21.84	21.84		
20	QPSK	1	48	21.53	21.49	21.42	21.42	22	
20	QPSK	1	96	21.59	21.47	21.39	21.39		
20	QPSK	56	0	21.54	21.50	21.54	21.54		
20	QPSK	56	24	21.53	21.48	21.54	21.54	22	
20	QPSK	56	50	21.48	21.47	21.55	21.55		
20	QPSK	160	0	21.48	21.37	21.43	21.43		
20	16QAM	1	0	21.83	21.48	21.36	21.36		
20	16QAM	1	48	21.54	21.39	21.35	21.35	22	
20	16QAM	1	96	21.53	21.33	21.55	21.55		
20	16QAM	56	0	21.40	21.15	20.99	20.99		
20	16QAM	56	24	21.35	21.11	21.04	21.04	22	
20	16QAM	56	50	21.31	21.04	21.04	21.04		
20	16QAM	160	0	21.30	21.01	21.00	21.00		
20	16QAM	1	0	21.21	20.96	20.84	20.84		
20	16QAM	1	48	21.10	20.93	20.97	20.97	22	
20	16QAM	1	96	21.02	20.89	21.02	21.02		
20	16QAM	56	0	20.18	19.95	19.83	19.83		
20	16QAM	56	24	19.98	19.92	19.84	19.84	21.1	
20	16QAM	56	50	20.11	19.87	19.88	19.88		
20	16QAM	160	0	20.08	19.83	19.79	19.79		
20	256QAM	1	0	18.18	18.04	17.87	17.87		
20	256QAM	1	48	18.04	17.99	17.82	17.82	19.1	
20	256QAM	1	96	18.00	17.90	18.03	18.03		
20	256QAM	56	0	18.12	17.90	17.79	17.79		
20	256QAM	56	24	17.98	17.85	17.82	17.82	19.1	
20	256QAM	56	50	18.03	17.81	17.88	17.88		
20	256QAM	160	0	18.09	17.88	17.80	17.80		
Channel									
Frequency (MHz)				2607.5	2610	2602.5	2602.5		
15	QPSK	1	0	21.80	21.54	21.37	21.37		
15	QPSK	1	36	21.57	21.37	21.37	21.37	22	
15	QPSK	1	74	21.57	21.32	21.34	21.34		
15	QPSK	36	0	21.54	21.48	21.57	21.57		
15	QPSK	36	20	21.40	21.28	21.48	21.48	22	
15	QPSK	36	38	21.43	21.32	21.83	21.83		
15	QPSK	72	0	21.41	21.33	21.38	21.38		
15	16QAM	1	0	21.63	21.35	21.38	21.38		
15	16QAM	1	37	21.47	21.30	21.31	21.31	22	
15	16QAM	1	75	21.40	21.14	21.45	21.45		
15	16QAM	36	0	21.37	21.14	20.80	20.80		
15	16QAM	36	20	21.15	20.94	20.85	20.85	22	
15	16QAM	36	38	21.24	20.91	20.86	20.86		
15	16QAM	72	0	21.24	20.94	21.00	21.00		
15	16QAM	1	0	20.98	20.92	20.78	20.78		
15	16QAM	1	37	21.00	20.74	20.82	20.82	22	
15	16QAM	1	74	20.83	20.83	20.97	20.97		
15	16QAM	36	0	20.96	19.93	19.79	19.79		
15	16QAM	36	20	19.89	19.73	19.88	19.88	21.1	
15	16QAM	36	38	20.91	19.87	19.87	19.87		
15	16QAM	72	0	19.80	19.84	19.81	19.81		
15	256QAM	1	0	18.14	17.87	17.72	17.72	19.1	
15	256QAM	1	37	17.83	17.79	17.83	17.83		
15	256QAM	1	75	17.82	17.80	17.80	17.80		
15	256QAM	36	0	18.06	17.74	17.60	17.60		
15	256QAM	36	20	17.78	17.79	17.78	17.78	19.1	
15	256QAM	36	38	17.85	17.71	17.72	17.72		
15	256QAM	72	0	18.03	17.72	17.70	17.70		
Channel									
Frequency (MHz)				2600	2610	2600	2600		
10	QPSK	1	0	21.75	21.49	21.34	21.34		
10	QPSK	1	20	21.43	21.47	21.25	21.25	22	
10	QPSK	1	48	21.41	21.43	21.32	21.32		
10	QPSK	20	0	21.45	21.46	21.42	21.42		
10	QPSK	20	12	21.52	21.44	21.49	21.49	22	
10	QPSK	20	24	21.31	21.47	21.35	21.35		
10	QPSK	80	0	21.37	21.31	21.42	21.42		
10	16QAM	1	0	21.66	21.38	21.33	21.33		
10	16QAM	1	20	21.54	21.38	21.24	21.24	22	
10	16QAM	1	48	21.47	21.18	21.37	21.37		
10	16QAM	20	0	21.38	21.12	20.81	20.81		
10	16QAM	20	12	21.14	21.03	21.02	21.02	22	
10	16QAM	20	24	21.20	21.02	20.98	20.98		
10	16QAM	80	0	21.27	20.98	20.82	20.82		
10	16QAM	1	0	20.82	20.85	20.83	20.83	22	
10	16QAM	1	20	20.98	20.92	20.81	20.81		
10	16QAM	1	48	21.01	20.75	21.01	21.01		
10	16QAM	20	0	20.90	19.88	19.82	19.82		
10	16QAM	20	12	19.92	19.80	19.74	19.74	21.1	
10	16QAM	20	24	19.95	19.72	19.84	19.84		
10	16QAM	80	0	20.08	19.72	19.70	19.70		
10	256QAM	1	0	18.07	17.84	17.70	17.70	19.1	
10	256QAM	1	20	17.96	17.97	17.73	17.73		
10	256QAM	1	48	17.83	17.83	17.90	17.90		
10	256QAM	20	0	18.09	17.86	17.80	17.80		
10	256QAM	20	12	17.89	17.85	17.80	17.80	19.1	
10	256QAM	20	24	18.02	17.78	17.71	17.71		
10	256QAM	80	0	17.91	17.70	17.60	17.60		
Channel									
Frequency (MHz)				2607.5	2610	2602.5	2602.5		
5	QPSK	1	0	21.64	21.63	21.46	21.46		
5	QPSK	1	12	21.48	21.36	21.35	21.35	22	
5	QPSK	1	24	21.42	21.38	21.33	21.33		
5	QPSK	10	0	21.69	21.37	21.46	21.46		
5	QPSK	12	7	21.46	21.32	21.34	21.34	22	
5	QPSK	12	13	21.28	21.36	21.49	21.49		
5	QPSK	24	0	21.43	21.24	21.24	21.24		
5	16QAM	1	0	21.52	21.28	21.32	21.32	22	
5	16QAM	1	12	21.54	21.39	21.35	21.35		
5	16QAM	1	24	21.52	21.18	21.42	21.42		
5	16QAM	12	0	21.38	21.03	20.82	20.82		
5	16QAM	12	13	21.28	21.10	20.86	20.86	22	
5	16QAM	12	25	21.29	20.86	21.00	21.00		
5	16QAM	25	0	21.29	20.98	20.93	20.93		
5	16QAM	1	0	20.97	20.88	20.81	20.81	22	
5	16QAM	1	12	21.03	20.78	20.77	20.77		
5	16QAM	1	24	20.91	20.76	20.84	20.84		
5	16QAM	12	0	20.16	19.81	19.82	19.82	21.1	
5	16QAM	12	13	19.95	19.72	19.82	19.82		
5	16QAM	12	25	20.03	19.74	19.88	19.88		
5	256QAM	1	0	18.05	18.00	17.80	17.80	19.1	
5	256QAM	1	12	17.95	17.90	17.86	17.86		
5	256QAM	1	24	17.84	17.90	17.93	17.93		
5	256QAM	12	0	18.04	17.72	17.61	17.61	19.1	
5	256QAM	12	13	17.75	17.60	17.80	17.80		
5	256QAM	12	25	17.86	17.72	17.70	17.70		
5	256QAM	25	0	17.91	17.80	17.77	17.77		

Band 25_Ant 0											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Time-up [ms]	Time-down [ms]		
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.04	23.06	23.04	23.06	23.6			
20	QPSK	1	48	23.03	23.12	23.03	23.09				
20	QPSK	1	96	23.19	23.03	23.03	23.03				
20	QPSK	1	144	23.03	23.08	23.03	23.08				
20	QPSK	50	24	22.30	22.18	22.21	22.21	23.6			
20	QPSK	50	50	22.27	22.19	22.15	22.15				
20	QPSK	100	0	22.27	22.18	22.18	22.18				
20	QPSK	100	0	22.07	22.84	22.87	22.87				
20	HQPSK	1	0	22.15	22.37	22.14	22.14	23.6			
20	HQPSK	1	48	22.32	22.07	22.21	22.21				
20	HQPSK	50	0	21.31	21.23	21.13	21.13				
20	HQPSK	50	0	21.37	21.28	21.18	21.18				
20	HQPSK	50	50	21.34	21.24	21.24	21.24	22.6			
20	HQPSK	100	0	21.24	21.15	21.21	21.21				
20	HQPSK	100	0	21.41	21.44	21.51	21.51				
20	HQPSK	100	0	21.17	21.13	21.10	21.10				
20	HQPSK	100	0	21.42	21.27	20.89	20.89	21.6			
20	HQPSK	50	0	20.32	20.18	20.18	20.18				
20	HQPSK	50	24	20.28	20.27	20.25	20.25				
20	HQPSK	50	50	20.20	20.12	20.18	20.18				
20	HQPSK	100	0	20.20	20.17	20.28	20.28	19.6			
20	HQPSK	100	0	18.15	18.15	18.15	18.15				
20	HQPSK	100	0	18.22	18.16	18.08	18.08				
20	HQPSK	100	0	18.15	18.08	18.08	18.08				
20	HQPSK	50	0	18.36	18.22	18.24	18.24	19.6			
20	HQPSK	50	24	18.28	18.23	18.25	18.25				
20	HQPSK	50	50	18.35	18.24	18.22	18.22				
20	HQPSK	100	0	18.36	18.21	18.25	18.25				
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.22	23.17	23.13	23.13	23.6			
15	QPSK	1	48	23.23	23.20	23.12	23.12				
15	QPSK	1	74	23.21	23.08	22.96	22.96				
15	QPSK	36	0	22.33	22.27	22.18	22.18				
15	QPSK	36	24	22.28	22.21	22.28	22.28	23.6			
15	QPSK	36	36	22.33	22.22	22.26	22.26				
15	QPSK	72	0	22.39	22.20	22.14	22.14				
15	QPSK	72	0	22.71	22.68	22.53	22.53				
15	HQPSK	1	37	22.59	22.72	22.51	22.51	23.6			
15	HQPSK	1	75	22.58	22.33	22.08	22.08				
15	HQPSK	36	0	21.36	21.30	21.32	21.32				
15	HQPSK	36	24	21.33	21.29	21.26	21.26				
15	HQPSK	36	36	21.28	21.16	21.26	21.26	22.6			
15	HQPSK	72	0	21.27	21.27	21.20	21.20				
15	HQPSK	1	0	21.53	21.31	21.58	21.58				
15	HQPSK	1	37	21.51	21.34	21.27	21.27				
15	HQPSK	1	74	21.46	21.10	20.95	20.95	21.6			
15	HQPSK	36	0	20.33	20.31	20.16	20.16				
15	HQPSK	36	24	20.28	20.28	20.26	20.26				
15	HQPSK	36	36	20.42	20.26	20.21	20.21				
15	HQPSK	72	0	20.30	20.16	20.16	20.16	19.6			
15	HQPSK	72	0	18.31	18.21	18.14	18.14				
15	HQPSK	1	37	18.21	18.03	18.20	18.20				
15	HQPSK	1	75	18.12	17.96	18.06	18.06				
15	HQPSK	36	24	18.31	18.17	18.18	18.18	19.6			
15	HQPSK	36	20	18.33	18.13	18.20	18.20				
15	HQPSK	36	36	18.30	18.14	18.20	18.20				
15	HQPSK	72	0	18.29	18.17	18.16	18.16				
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.16	23.22	23.18	23.18	23.6			
10	QPSK	1	25	22.97	23.04	23.09	23.09				
10	QPSK	1	48	23.17	23.21	23.06	23.06				
10	QPSK	25	0	22.32	22.30	22.22	22.22				
10	QPSK	25	12	22.28	22.22	22.09	22.09	23.6			
10	QPSK	25	24	22.32	22.18	22.13	22.13				
10	QPSK	50	0	22.28	22.19	22.12	22.12				
10	HQPSK	1	10	22.47	22.31	22.46	22.46				
10	HQPSK	1	25	22.80	22.76	22.62	22.62	23.6			
10	HQPSK	1	48	22.72	22.41	22.33	22.33				
10	HQPSK	25	0	21.32	21.10	21.21	21.21				
10	HQPSK	25	12	21.30	21.10	21.19	21.19				
10	HQPSK	25	24	21.30	21.17	21.27	21.27	22.6			
10	HQPSK	50	0	21.34	21.15	21.24	21.24				
10	HQPSK	1	0	21.16	21.51	21.15	21.15				
10	HQPSK	1	25	21.63	21.06	21.03	21.03				
10	HQPSK	1	48	21.06	21.22	21.35	21.35	21.6			
10	HQPSK	25	0	20.34	20.27	20.17	20.17				
10	HQPSK	25	12	20.34	20.27	20.21	20.21				
10	HQPSK	25	24	20.35	20.21	20.26	20.26				
10	HQPSK	50	0	20.30	20.25	20.20	20.20	19.6			
10	HQPSK	50	0	18.31	18.14	18.12	18.12				
10	HQPSK	1	25	18.20	17.97	18.29	18.29				
10	HQPSK	1	48	18.08	17.97	18.01	18.01				
10	HQPSK	25	0	18.23	18.07	18.15	18.15	19.6			
10	HQPSK	25	12	18.23	18.05	18.11	18.11				
10	HQPSK	25	24	18.22	18.08	18.16	18.16				
10	HQPSK	50	0	18.27	18.08	18.06	18.06				
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.12	23.12	23.05	23.05	23.6			
5	QPSK	1	12	23.20	23.22	23.05	23.05				
5	QPSK	1	24	23.21	23.15	23.01	23.01				
5	QPSK	12	0	22.27	22.14	22.08	22.08				
5	QPSK	12	7	22.35	22.22	22.19	22.19	23.6			
5	QPSK	12	13	22.34	22.21	22.16	22.16				
5	QPSK	24	0	22.24	22.21	22.10	22.10				
5	HQPSK	1	0	22.62	22.71	22.31	22.31				
5	HQPSK	1	12	22.59	22.56	22.47	22.47	23.6			
5	HQPSK	1	24	22.58	22.33	22.20	22.20				
5	HQPSK	12	0	21.29	21.27	21.29	21.29				
5	HQPSK	12	7	21.45	21.26	21.30	21.30				
5	HQPSK	12	13	21.40	21.17	21.19	21.19	22.6			
5	HQPSK	24	0	21.21	21.28	21.15	21.15				
5	HQPSK	1	0	21.35	21.53	21.19	21.19				
5	HQPSK	1	12	21.23	21.84	21.80	21.80				
5	HQPSK	1	24	21.87	21.27	21.26	21.26	21.6			
5	HQPSK	12	0	20.28	20.37	20.23	20.23				
5	HQPSK	12	7	20.28	20.31	20.20	20.20				
5	HQPSK	12	13	20.34	20.28	20.32	20.32				
5	HQPSK	24	0	20.32	20.18	20.12	20.12	19.6			
5	HQPSK	1	0	18.36	18.13	18.14	18.14				
5	HQPSK	1	12	18.19	17.98	18.20	18.20				
5	HQPSK	1	24	18.01	17.97	17.99	17.99				
5	HQPSK	12	0	18.15	18.03	18.15	18.15	19.6			
5	HQPSK	12	7	18.16	17.98	18.10	18.10				
5	HQPSK	12	13	18.21	18.08	18.06	18.06				
5	HQPSK	24	0	18.17	18.02	17.96	17.96				
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.16	23.13	23.08	23.08	23.6			
3	QPSK	1	8	23.18	23.01	23.05	23.05				
3	QPSK	1	14	23.22	23.19	23.07	23.07				
3	QPSK	8	0	22.23	22.14	22.12	22.12				
3	QPSK	8	4	22.24	22.07	22.05	22.05	23.6			
3	QPSK	8	7	22.25	22.12	22.04	22.04				
3	QPSK	16	0	22.26	22.11	22.02	22.02				
3	HQPSK	1	0	22.38	22.31	22.47	22.47				
3	HQPSK	1	8	22.39	22.51	22.26	22.26	23.6			
3	HQPSK	1	14	22.40	22.31	22.11	22.11				
3	HQPSK	8	0	21.38	21.24	21.24	21.24				
3	HQPSK	8	4	21.22	21.26	21.23	21.23				
3	HQPSK	8	7	21.25	21.18	21.16	21.16	22.6			
3	HQPSK	16	0	21.26	21.28	21.23	21.23				
3	HQPSK	1	0	21.43	21.20	21.23	21.23				
3	HQPSK	1	8	21.40	21.27	21.23	21.23				
3	HQPSK	1	14	21.29	21.48	21.25	21.25	21.6			
3	HQPSK	8	0	20.39	20.27	20.21	20.21				
3	HQPSK	8	4	20.38	20.27	20.27	20.27				
3	HQPSK	8	7	20.24	20.39	20.19	20.19				
3	HQPSK	16	0	20.37	20.17	20.08	20.08	19.6			
3	HQPSK	16	0	18.31	18.16	18.16	18.16				
3	HQPSK	1	8	18.13	17.87	18.01	18.01				
3	HQPSK	1	14	18.15	17.92	18.10	18.10				
3	HQPSK	8	4	18.08	17.87	18.07	18.07	19.6			
3	HQPSK	8	7	18.10	17.88	18.02	18.02				
3	HQPSK	16	0	18.07	17.84	17.87	17.87				
3	HQPSK	16	0	18.23	18.01	18.05	18.05				
3	HQPSK	1	8	18.02	17.82	18.05	18.05				
3	HQPSK	3	3	18.12	18.04	18.08	18.08				



Band 7_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	
Channel									
Frequency (MHz)				2510	2515	2520			
20	QPSK	1	0	21.78	21.81	21.84			23.2
20	QPSK	48	0	21.53	21.49	21.42			
20	QPSK	1	59	21.59	21.47	21.39			
20	QPSK	56	0	21.64	21.50	21.45			23.1
20	QPSK	50	24	21.53	21.48	21.54			
20	QPSK	50	50	21.48	21.47	21.55			
20	QPSK	100	0	21.48	21.37	21.43			23.1
20	HQDM	1	0	21.83	21.48	21.36			
20	HQDM	1	49	21.54	21.39	21.35			
20	HQDM	1	99	21.53	21.33	21.55			22.1
20	HQDM	50	0	21.40	21.15	20.99			
20	HQDM	50	25	21.35	21.11	21.04			
20	HQDM	50	50	21.31	21.04	21.04			22.1
20	HQDM	100	0	21.30	21.01	21.00			
20	HQDM	1	0	21.21	20.96	20.92			
20	HQDM	1	49	21.10	20.93	20.97			21.1
20	HQDM	1	99	21.02	20.89	21.02			
20	HQDM	50	0	20.18	19.95	19.93			
20	HQDM	50	24	19.98	19.92	19.84			19.1
20	HQDM	50	50	20.11	19.87	19.88			
20	HQDM	100	0	20.08	19.83	19.79			
20	SSBQAM	1	0	18.18	18.04	17.87			19.1
20	SSBQAM	1	49	18.04	17.99	17.92			
20	SSBQAM	1	99	18.00	17.90	18.03			
20	SSBQAM	50	0	18.12	17.90	17.79			19.1
20	SSBQAM	50	24	17.98	17.85	17.82			
20	SSBQAM	50	50	18.03	17.81	17.88			
20	SSBQAM	100	0	18.09	17.88	17.80			
Channel									
Frequency (MHz)				2607.5	2610	2612.5			
15	QPSK	1	0	21.80	21.54	21.37			23.2
15	QPSK	1	34	21.57	21.37	21.37			
15	QPSK	1	74	21.57	21.32	21.34			
15	QPSK	36	0	21.54	21.48	21.57			23.1
15	QPSK	36	26	21.40	21.28	21.48			
15	QPSK	36	38	21.43	21.32	21.83			
15	QPSK	75	0	21.41	21.33	21.38			23.1
15	HQDM	1	0	21.63	21.35	21.38			
15	HQDM	1	37	21.47	21.30	21.31			
15	HQDM	1	75	21.40	21.14	21.45			22.1
15	HQDM	36	0	21.37	21.14	20.80			
15	HQDM	36	26	21.15	20.94	20.85			
15	HQDM	36	38	21.24	20.91	20.86			22.1
15	HQDM	75	0	21.24	20.94	21.00			
15	HQDM	1	0	20.98	20.92	20.78			
15	HQDM	1	34	21.00	20.74	20.82			21.1
15	HQDM	1	74	20.83	20.83	20.97			
15	HQDM	36	0	20.96	19.93	19.79			
15	HQDM	36	26	19.99	19.73	19.88			19.1
15	HQDM	36	38	20.91	19.87	19.87			
15	HQDM	75	0	19.80	19.84	19.91			
15	SSBQAM	1	0	18.14	17.87	17.72			19.1
15	SSBQAM	1	37	17.83	17.79	17.83			
15	SSBQAM	1	75	17.82	17.80	17.80			
15	SSBQAM	36	0	18.06	17.74	17.60			19.1
15	SSBQAM	36	26	17.78	17.79	17.78			
15	SSBQAM	36	38	17.85	17.71	17.72			
15	SSBQAM	75	0	18.03	17.72	17.70			
Channel									
Frequency (MHz)				2696	2696	2696			
10	QPSK	1	0	21.75	21.49	21.34			23.2
10	QPSK	1	25	21.43	21.47	21.25			
10	QPSK	1	49	21.41	21.43	21.32			
10	QPSK	25	0	21.45	21.46	21.42			23.1
10	QPSK	25	12	21.52	21.44	21.49			
10	QPSK	24	24	21.31	21.47	21.35			
10	QPSK	80	0	21.37	21.31	21.42			23.1
10	HQDM	1	0	21.65	21.38	21.33			
10	HQDM	1	24	21.54	21.38	21.24			
10	HQDM	1	49	21.47	21.18	21.37			22.1
10	HQDM	25	0	21.38	21.12	20.81			
10	HQDM	25	12	21.14	21.03	21.02			
10	HQDM	24	24	21.20	21.02	20.98			22.1
10	HQDM	80	0	21.27	20.98	20.82			
10	HQDM	1	0	20.82	20.85	20.83			
10	HQDM	1	25	20.98	20.92	20.81			21.1
10	HQDM	1	49	21.01	20.75	21.01			
10	HQDM	25	0	20.90	19.88	19.82			
10	HQDM	25	12	19.92	19.80	19.74			19.1
10	HQDM	25	24	19.95	19.72	19.84			
10	HQDM	50	0	20.08	19.72	19.70			
10	SSBQAM	1	0	18.07	17.84	17.70			19.1
10	SSBQAM	1	25	17.96	17.97	17.73			
10	SSBQAM	1	49	17.83	17.83	17.90			
10	SSBQAM	25	0	18.09	17.86	17.80			19.1
10	SSBQAM	25	12	17.89	17.85	17.80			
10	SSBQAM	25	24	18.02	17.78	17.71			
10	SSBQAM	50	0	17.91	17.70	17.60			
Channel									
Frequency (MHz)				2697.5	2698	2698.5			
5	QPSK	1	0	21.64	21.63	21.46			23.2
5	QPSK	1	12	21.48	21.39	21.35			
5	QPSK	1	24	21.42	21.38	21.33			
5	QPSK	12	0	21.69	21.37	21.46			23.1
5	QPSK	12	7	21.46	21.32	21.34			
5	QPSK	12	13	21.28	21.36	21.49			
5	QPSK	24	0	21.43	21.24	21.24			23.1
5	HQDM	1	0	21.52	21.29	21.32			
5	HQDM	1	12	21.54	21.39	21.35			
5	HQDM	1	24	21.52	21.18	21.42			22.1
5	HQDM	12	0	21.38	21.03	20.82			
5	HQDM	12	13	21.29	21.10	20.86			
5	HQDM	12	13	21.29	20.86	21.00			22.1
5	HQDM	25	0	21.29	20.98	20.93			
5	HQDM	1	0	20.97	20.88	20.81			
5	HQDM	1	12	21.03	20.78	20.77			21.1
5	HQDM	1	24	20.91	20.76	20.84			
5	HQDM	12	0	20.16	19.81	19.82			
5	HQDM	12	7	19.95	19.72	19.82			19.1
5	HQDM	12	13	20.93	19.74	19.88			
5	HQDM	25	0	20.03	19.69	19.74			
5	SSBQAM	1	0	18.05	18.00	17.80			19.1
5	SSBQAM	1	12	17.95	17.90	17.86			
5	SSBQAM	1	24	17.84	17.90	17.93			
5	SSBQAM	12	0	18.04	17.72	17.61			19.1
5	SSBQAM	12	7	17.75	17.69	17.80			
5	SSBQAM	12	13	17.86	17.72	17.70			
5	SSBQAM	25	0	17.91	17.80	17.77			

Band 25_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Flux	Power Middle Ch./Flux	Power High Ch./Flux	Power Low Ch./Flux	Power Middle Ch./Flux	Power High Ch./Flux
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.04	21.04	21.04	21.04	21.04	21.04
20	QPSK	1	48	21.12	21.12	21.12	21.12	21.12	21.12
20	QPSK	1	56	21.19	21.19	21.19	21.19	21.19	21.19
20	QPSK	56	0	21.23	21.23	21.23	21.23	21.23	21.23
20	QPSK	56	24	21.30	21.30	21.30	21.30	21.30	21.30
20	QPSK	56	50	21.37	21.37	21.37	21.37	21.37	21.37
20	QPSK	1568	0	21.27	21.27	21.27	21.27	21.27	21.27
20	16QAM	1	0	21.07	21.07	21.07	21.07	21.07	21.07
20	16QAM	1	48	21.15	21.15	21.15	21.15	21.15	21.15
20	16QAM	1	56	21.22	21.22	21.22	21.22	21.22	21.22
20	16QAM	56	0	21.26	21.26	21.26	21.26	21.26	21.26
20	16QAM	56	24	21.33	21.33	21.33	21.33	21.33	21.33
20	16QAM	56	50	21.40	21.40	21.40	21.40	21.40	21.40
20	16QAM	1568	0	21.24	21.24	21.24	21.24	21.24	21.24
20	16QAM	1	48	21.17	21.17	21.17	21.17	21.17	21.17
20	16QAM	1	56	21.24	21.24	21.24	21.24	21.24	21.24
20	16QAM	56	0	21.28	21.28	21.28	21.28	21.28	21.28
20	16QAM	56	24	21.35	21.35	21.35	21.35	21.35	21.35
20	16QAM	56	50	21.42	21.42	21.42	21.42	21.42	21.42
20	16QAM	1568	0	21.29	21.29	21.29	21.29	21.29	21.29
20	256QAM	1	0	18.20	18.20	18.20	18.20	18.20	18.20
20	256QAM	1	48	18.27	18.27	18.27	18.27	18.27	18.27
20	256QAM	1	56	18.34	18.34	18.34	18.34	18.34	18.34
20	256QAM	56	0	18.38	18.38	18.38	18.38	18.38	18.38
20	256QAM	56	24	18.45	18.45	18.45	18.45	18.45	18.45
20	256QAM	56	50	18.52	18.52	18.52	18.52	18.52	18.52
20	256QAM	1568	0	18.41	18.41	18.41	18.41	18.41	18.41
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.22	21.22	21.22	21.22	21.22	21.22
15	QPSK	1	48	21.30	21.30	21.30	21.30	21.30	21.30
15	QPSK	1	56	21.37	21.37	21.37	21.37	21.37	21.37
15	QPSK	56	0	21.41	21.41	21.41	21.41	21.41	21.41
15	QPSK	56	24	21.48	21.48	21.48	21.48	21.48	21.48
15	QPSK	56	50	21.55	21.55	21.55	21.55	21.55	21.55
15	QPSK	75	0	21.59	21.59	21.59	21.59	21.59	21.59
15	QPSK	1	0	21.71	21.71	21.71	21.71	21.71	21.71
15	16QAM	1	37	21.69	21.69	21.69	21.69	21.69	21.69
15	16QAM	1	74	21.76	21.76	21.76	21.76	21.76	21.76
15	16QAM	36	0	21.80	21.80	21.80	21.80	21.80	21.80
15	16QAM	36	20	21.87	21.87	21.87	21.87	21.87	21.87
15	16QAM	36	36	21.94	21.94	21.94	21.94	21.94	21.94
15	16QAM	75	0	21.97	21.97	21.97	21.97	21.97	21.97
15	16QAM	1	0	21.63	21.63	21.63	21.63	21.63	21.63
15	16QAM	1	37	21.61	21.61	21.61	21.61	21.61	21.61
15	16QAM	1	74	21.68	21.68	21.68	21.68	21.68	21.68
15	16QAM	36	0	21.72	21.72	21.72	21.72	21.72	21.72
15	16QAM	36	20	21.79	21.79	21.79	21.79	21.79	21.79
15	16QAM	36	36	21.86	21.86	21.86	21.86	21.86	21.86
15	16QAM	75	0	21.90	21.90	21.90	21.90	21.90	21.90
15	16QAM	1	0	21.55	21.55	21.55	21.55	21.55	21.55
15	16QAM	1	37	21.53	21.53	21.53	21.53	21.53	21.53
15	16QAM	1	74	21.60	21.60	21.60	21.60	21.60	21.60
15	16QAM	36	0	21.64	21.64	21.64	21.64	21.64	21.64
15	16QAM	36	20	21.71	21.71	21.71	21.71	21.71	21.71
15	16QAM	36	36	21.78	21.78	21.78	21.78	21.78	21.78
15	16QAM	75	0	21.82	21.82	21.82	21.82	21.82	21.82
15	16QAM	1	0	21.48	21.48	21.48	21.48	21.48	21.48
15	16QAM	1	37	21.46	21.46	21.46	21.46	21.46	21.46
15	16QAM	1	74	21.53	21.53	21.53	21.53	21.53	21.53
15	16QAM	36	0	21.57	21.57	21.57	21.57	21.57	21.57
15	16QAM	36	20	21.64	21.64	21.64	21.64	21.64	21.64
15	16QAM	36	36	21.71	21.71	21.71	21.71	21.71	21.71
15	16QAM	75	0	21.75	21.75	21.75	21.75	21.75	21.75
15	16QAM	1	0	21.40	21.40	21.40	21.40	21.40	21.40
15	16QAM	1	37	21.38	21.38	21.38	21.38	21.38	21.38
15	16QAM	1	74	21.45	21.45	21.45	21.45	21.45	21.45
15	16QAM	36	0	21.49	21.49	21.49	21.49	21.49	21.49
15	16QAM	36	20	21.56	21.56	21.56	21.56	21.56	21.56
15	16QAM	36	36	21.63	21.63	21.63	21.63	21.63	21.63
15	16QAM	75	0	21.67	21.67	21.67	21.67	21.67	21.67
15	16QAM	1	0	21.33	21.33	21.33	21.33	21.33	21.33
15	16QAM	1	37	21.31	21.31	21.31	21.31	21.31	21.31
15	16QAM	1	74	21.38	21.38	21.38	21.38	21.38	21.38
15	16QAM	36	0	21.42	21.42	21.42	21.42	21.42	21.42
15	16QAM	36	20	21.49	21.49	21.49	21.49	21.49	21.49
15	16QAM	36	36	21.56	21.56	21.56	21.56	21.56	21.56
15	16QAM	75	0	21.60	21.60	21.60	21.60	21.60	21.60
15	16QAM	1	0	21.29	21.29	21.29	21.29	21.29	21.29
15	16QAM	1	37	21.27	21.27	21.27	21.27	21.27	21.27
15	16QAM	1	74	21.34	21.34	21.34	21.34	21.34	21.34
15	16QAM	36	0	21.38	21.38	21.38	21.38	21.38	21.38
15	16QAM	36	20	21.45	21.45	21.45	21.45	21.45	21.45
15	16QAM	36	36	21.52	21.52	21.52	21.52	21.52	21.52
15	16QAM	75	0	21.56	21.56	21.56	21.56	21.56	21.56
15	16QAM	1	0	21.25	21.25	21.25	21.25	21.25	21.25
15	16QAM	1	37	21.23	21.23	21.23	21.23	21.23	21.23
15	16QAM	1	74	21.30	21.30	21.30	21.30	21.30	21.30
15	16QAM	36	0	21.34	21.34	21.34	21.34	21.34	21.34
15	16QAM	36	20	21.41	21.41	21.41	21.41	21.41	21.41
15	16QAM	36	36	21.48	21.48	21.48	21.48	21.48	21.48
15	16QAM	75	0	21.52	21.52	21.52	21.52	21.52	21.52
15	16QAM	1	0	21.19	21.19	21.19	21.19	21.19	21.19
15	16QAM	1	37	21.17	21.17	21.17	21.17	21.17	21.17
15	16QAM	1	74	21.24	21.24	21.24	21.24	21.24	21.24
15	16QAM	36	0	21.28	21.28	21.28	21.28	21.28	21.28
15	16QAM	36	20	21.35	21.35	21.35	21.35	21.35	21.35
15	16QAM	36	36	21.42	21.42	21.42	21.42	21.42	21.42
15	16QAM	75	0	21.46	21.46	21.46	21.46	21.46	21.46
15	16QAM	1	0	21.15	21.15	21.15	21.15	21.15	21.15
15	16QAM	1	37	21.13	21.13	21.13	21.13	21.13	21.13
15	16QAM	1	74	21.20	21.20	21.20	21.20	21.20	21.20
15	16QAM	36	0	21.24	21.24	21.24	21.24	21.24	21.24
15	16QAM	36	20	21.31	21.31	21.31	21.31	21.31	21.31
15	16QAM	36	36	21.38	21.38	21.38	21.38	21.38	21.38
15	16QAM	75	0	21.42	21.42	21.42	21.42	21.42	21.42
15	16QAM	1	0	21.09	21.09	21.09	21.09	21.09	21.09
15	16QAM	1	37	21.07	21.07	21.07	21.07	21.07	21.07
15	16QAM	1	74	21.14	21.14	21.14	21.14	21.14	21.14
15	16QAM	36	0	21.18	21.18	21.18	21.18	21.18	21.18
15	16QAM	36	20	21.25	21.25	21.25	21.25	21.25	21.25
15	16QAM	36	36	21.32	21.32	21.32	21.32	21.32	21.32
15	16QAM	75	0	21.36	21.36	21.36	21.36	21.36	21.36
15	16QAM	1	0	21.05	21.05	21.05	21.05	21.05	21.05
15	16QAM	1	37	21.03	21.03	21.03	21.03	21.03	21.03
15	16QAM	1	74	21.10	21.10	21.10	21.10	21.10	21.10
15	16QAM	36	0	21.14	21.14	21.14	21.14	21.14	21.14
15	16QAM	36	20	21.21	21.21	21.21	21.21	21.21	21.21
15	16QAM	36	36	21.28	21.28	21.28	21.28	21.28	21.28
15	16QAM	75	0	21.32	21.32	21.32	21.32	21.32	21.32
15	16QAM	1	0	21.01	21.01	21.01	21.01	21.01	21.01
15	16QAM	1	37	20.99	20.99	20.99	20.99	20.99	20.99
15	16QAM	1	74	21.06	21.06	21.06	21.06	21.06	21.06
15	16QAM	36	0	21.10	21.10	21.10	21.10	21.10	21.10
15	16QAM	36	20	21.17	21.17	21.17	21.17	21.17	21.17
15	16QAM	36	36	21.24	21.24	21.24	21.24	21.24	21.24
15	16QAM	75	0	21.28	21.28	21.28	21.28	21.28	21.28
15	16QAM	1	0	21.07	21.07	21.07	21.07	21.07	21.07
15	16QAM	1	37	21.05	21.05	21.05	21.05	21.05	21.05
15	16QAM	1	74	21.12	21.12	21.12	21.12	21.12	21.12

Band 7_Ant 0										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Time-up (ms)		
Channel										
Frequency (MHz)				2510	2515	2510	2515			
20	QPSK	1	0	21.78	21.81	21.54	21.54	23.2		
20	QPSK	48	0	21.53	21.49	21.42	21.42			
20	QPSK	1	59	21.59	21.47	21.39	21.39			
20	QPSK	56	0	21.64	21.50	21.45	21.45			
20	QPSK	50	24	21.53	21.48	21.54	21.54	23.1		
20	QPSK	50	50	21.48	21.47	21.55	21.55			
20	QPSK	100	0	21.48	21.37	21.43	21.43			
20	16QAM	1	0	21.83	21.48	21.36	21.36			
20	16QAM	1	49	21.54	21.39	21.35	21.35	23.1		
20	16QAM	1	99	21.53	21.33	21.55	21.55			
20	16QAM	50	0	21.40	21.15	20.99	20.99			
20	16QAM	50	25	21.35	21.11	21.04	21.04			
20	16QAM	50	50	21.31	21.01	20.99	20.99	22.1		
20	16QAM	100	0	21.30	21.01	21.00	21.00			
20	16QAM	1	0	21.21	20.96	20.82	20.82			
20	16QAM	1	49	21.10	20.93	20.97	20.97			
20	16QAM	1	99	21.02	20.89	21.02	21.02	19.1		
20	16QAM	50	0	20.18	19.95	19.83	19.83			
20	16QAM	50	24	19.98	19.92	19.84	19.84			
20	16QAM	50	50	20.11	19.87	19.88	19.88			
20	256QAM	1	0	18.08	17.99	17.82	17.82			
20	256QAM	1	49	18.04	17.95	17.86	17.86	19.1		
20	256QAM	50	0	18.03	17.81	17.88	17.88			
20	256QAM	100	0	18.09	17.86	17.80	17.80			
Channel										
Frequency (MHz)				2507.5	2510	2502.5	2505			
15	QPSK	1	0	21.69	21.54	21.37	21.37	23.2		
15	QPSK	1	37	21.57	21.37	21.37	21.37			
15	QPSK	1	74	21.57	21.32	21.34	21.34			
15	QPSK	36	0	21.54	21.48	21.57	21.57			
15	QPSK	36	26	21.40	21.28	21.48	21.48	23.1		
15	QPSK	36	38	21.43	21.32	21.83	21.83			
15	QPSK	75	0	21.41	21.33	21.38	21.38			
15	16QAM	1	0	21.63	21.35	21.38	21.38			
15	16QAM	1	37	21.47	21.30	21.31	21.31	23.1		
15	16QAM	1	74	21.40	21.14	21.45	21.45			
15	16QAM	36	0	21.37	21.14	20.80	20.80			
15	16QAM	36	26	21.15	20.94	20.85	20.85			
15	16QAM	36	38	21.24	20.91	20.86	20.86	22.1		
15	16QAM	75	0	21.24	20.94	21.00	21.00			
15	16QAM	1	0	20.98	20.92	20.78	20.78			
15	16QAM	1	34	21.00	20.74	20.82	20.82			
15	16QAM	36	0	20.96	19.93	19.79	19.79	21.1		
15	16QAM	36	26	19.99	19.73	19.88	19.88			
15	16QAM	36	38	20.91	19.87	19.87	19.87			
15	16QAM	75	0	19.80	19.84	19.91	19.91			
15	256QAM	1	0	18.14	17.87	17.72	17.72	19.1		
15	256QAM	1	37	17.83	17.79	17.79	17.79			
15	256QAM	1	75	17.82	17.86	17.86	17.86			
15	256QAM	36	0	18.06	17.74	17.60	17.60			
15	256QAM	36	26	17.78	17.79	17.78	17.78			
15	256QAM	36	38	17.85	17.71	17.72	17.72	19.1		
15	256QAM	75	0	18.03	17.72	17.70	17.70			
Channel										
Frequency (MHz)				2500	2510	2490	2500			
10	QPSK	1	0	21.75	21.49	21.34	21.34		23.2	
10	QPSK	1	25	21.43	21.47	21.25	21.25			
10	QPSK	1	49	21.41	21.43	21.32	21.32			
10	QPSK	25	0	21.45	21.46	21.42	21.42			
10	QPSK	25	12	21.52	21.44	21.49	21.49	23.1		
10	QPSK	25	25	21.31	21.47	21.35	21.35			
10	QPSK	80	0	21.37	21.31	21.42	21.42			
10	16QAM	1	0	21.65	21.38	21.33	21.33			
10	16QAM	1	25	21.54	21.38	21.24	21.24	23.1		
10	16QAM	1	49	21.47	21.18	21.37	21.37			
10	16QAM	25	0	21.38	21.12	20.81	20.81			
10	16QAM	25	12	21.14	21.03	21.02	21.02			
10	16QAM	25	25	21.20	21.02	20.98	20.98	22.1		
10	16QAM	80	0	21.27	20.98	20.82	20.82			
10	16QAM	1	0	20.82	20.85	20.83	20.83			
10	16QAM	1	25	20.98	20.92	20.81	20.81			
10	16QAM	1	49	21.01	20.76	21.01	21.01	21.1		
10	16QAM	25	0	20.00	19.88	19.82	19.82			
10	16QAM	25	12	19.92	19.80	19.74	19.74			
10	16QAM	25	25	19.95	19.72	19.84	19.84			
10	16QAM	80	0	20.08	19.72	19.70	19.70	19.1		
10	256QAM	1	0	18.07	17.84	17.70	17.70			
10	256QAM	1	25	17.96	17.97	17.73	17.73			
10	256QAM	1	49	17.83	17.83	17.80	17.80			
10	256QAM	25	0	18.09	17.86	17.80	17.80	19.1		
10	256QAM	25	12	17.89	17.85	17.80	17.80			
10	256QAM	25	25	18.02	17.78	17.71	17.71			
10	256QAM	80	0	17.91	17.70	17.60	17.60			
Channel										
Frequency (MHz)				2507.5	2510	2492.5	2500			
5	QPSK	1	0	21.64	21.63	21.46	21.46	23.2		
5	QPSK	1	12	21.48	21.39	21.35	21.35			
5	QPSK	1	25	21.42	21.38	21.33	21.33			
5	QPSK	15	0	21.69	21.37	21.46	21.46			
5	QPSK	12	7	21.46	21.32	21.34	21.34	23.1		
5	QPSK	12	13	21.28	21.36	21.49	21.49			
5	QPSK	25	0	21.43	21.24	21.24	21.24			
5	16QAM	1	0	21.52	21.29	21.32	21.32			
5	16QAM	1	12	21.54	21.39	21.35	21.35	23.1		
5	16QAM	1	25	21.52	21.18	21.42	21.42			
5	16QAM	12	0	21.38	21.03	20.82	20.82			
5	16QAM	12	13	21.29	21.10	20.86	20.86			
5	16QAM	12	13	21.29	20.86	21.00	21.00	22.1		
5	16QAM	25	0	21.29	20.98	20.93	20.93			
5	16QAM	1	0	20.97	20.88	20.81	20.81			
5	16QAM	1	12	21.03	20.78	20.77	20.77			
5	16QAM	1	25	20.91	20.76	20.84	20.84	21.1		
5	16QAM	12	0	20.16	19.81	19.82	19.82			
5	16QAM	12	7	19.95	19.72	19.82	19.82			
5	16QAM	12	13	20.93	19.74	19.88	19.88			
5	256QAM	1	0	18.05	18.00	17.80	17.80	19.1		
5	256QAM	1	12	17.95	17.90	17.86	17.86			
5	256QAM	1	25	17.84	17.90	17.93	17.93			
5	256QAM	12	0	18.04	17.72	17.61	17.61			
5	256QAM	12	7	17.75	17.69	17.80	17.80	19.1		
5	256QAM	12	13	17.86	17.72	17.70	17.70			
5	256QAM	25	0	17.91	17.80	17.77	17.77			

Band 25_Ant 0										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Time-up [ms]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.04	23.06	23.04	23.06	23.6		
20	QPSK	1	48	23.03	23.12	23.03	23.09			
20	QPSK	1	96	23.19	23.03	23.03	23.19			
20	QPSK	1	144	23.03	23.08	23.03	23.08			
20	QPSK	50	24	22.30	22.18	22.21	22.18	23.6		
20	QPSK	50	50	22.27	22.19	22.15	22.15			
20	QPSK	100	0	22.27	22.18	22.18	22.18			
20	QPSK	100	0	22.27	22.18	22.18	22.18			
20	QPSK	1	0	22.07	22.04	22.07	22.07	23.6		
20	QPSK	1	48	22.15	22.37	22.14	22.37			
20	QPSK	1	96	22.32	22.07	22.21	22.07			
20	QPSK	1	144	22.15	22.07	22.21	22.07			
20	QPSK	50	0	21.31	21.23	21.13	21.13	22.6		
20	QPSK	50	24	21.37	21.28	21.18	21.18			
20	QPSK	50	50	21.34	21.24	21.24	21.24			
20	QPSK	50	75	21.24	21.15	21.21	21.21			
20	QPSK	1	0	21.41	21.44	21.41	21.44	22.6		
20	QPSK	1	48	21.17	21.13	21.10	21.10			
20	QPSK	1	96	21.42	21.27	20.89	21.27			
20	QPSK	1	144	21.32	21.15	20.15	21.15			
20	QPSK	50	24	20.28	20.27	20.25	20.25	21.6		
20	QPSK	50	50	20.20	20.12	20.18	20.18			
20	QPSK	100	0	20.20	20.17	20.28	20.17			
20	QPSK	100	0	20.20	20.17	20.28	20.17			
20	QPSK	1	0	18.15	18.15	18.15	18.15	19.6		
20	QPSK	1	48	18.22	18.10	18.08	18.10			
20	QPSK	1	96	18.15	18.08	18.08	18.08			
20	QPSK	1	144	18.36	18.22	18.24	18.24			
20	QPSK	50	24	18.35	18.23	18.25	18.25	19.6		
20	QPSK	50	50	18.35	18.24	18.23	18.23			
20	QPSK	50	75	18.31	18.17	18.18	18.18			
20	QPSK	50	100	18.30	18.14	18.20	18.20			
20	QPSK	1	0	18.20	18.17	18.16	18.16			
20	QPSK	1	0	18.20	18.17	18.16	18.16			
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.22	23.17	23.13	23.13	23.6		
15	QPSK	1	48	23.23	23.20	23.12	23.12			
15	QPSK	1	96	23.21	23.08	22.96	23.08			
15	QPSK	1	144	23.23	23.27	23.18	23.18			
15	QPSK	30	20	22.28	22.21	22.28	22.28	23.6		
15	QPSK	30	30	22.33	22.22	22.26	22.26			
15	QPSK	75	0	22.39	22.20	22.14	22.14			
15	QPSK	75	0	22.71	22.68	22.53	22.53			
15	QPSK	1	37	22.59	22.72	22.51	22.51	23.6		
15	QPSK	1	75	22.58	22.33	22.05	22.05			
15	QPSK	30	0	21.36	21.30	21.32	21.32			
15	QPSK	30	20	21.33	21.29	21.26	21.26			
15	QPSK	30	30	21.28	21.16	21.26	21.26	22.6		
15	QPSK	75	0	21.27	21.27	21.20	21.20			
15	QPSK	1	0	21.53	21.51	21.56	21.56			
15	QPSK	1	37	21.51	21.54	21.27	21.27			
15	QPSK	1	74	21.46	21.10	20.95	20.95	21.6		
15	QPSK	30	0	20.33	20.31	20.16	20.16			
15	QPSK	30	20	20.28	20.28	20.26	20.26			
15	QPSK	30	30	20.42	20.26	20.21	20.21			
15	QPSK	75	0	20.30	20.16	20.16	20.16	19.6		
15	QPSK	75	0	18.31	18.21	18.14	18.14			
15	QPSK	1	37	18.21	18.03	18.20	18.20			
15	QPSK	1	75	18.12	17.96	18.06	18.06			
15	QPSK	30	20	18.33	18.13	18.20	18.20	19.6		
15	QPSK	30	30	18.30	18.14	18.20	18.20			
15	QPSK	30	75	18.31	18.17	18.18	18.18			
15	QPSK	30	100	18.30	18.14	18.20	18.20			
15	QPSK	1	0	18.20	18.17	18.16	18.16			
15	QPSK	1	0	18.20	18.17	18.16	18.16			
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.16	23.22	23.18	23.18	23.6		
10	QPSK	1	25	22.97	23.04	23.09	23.09			
10	QPSK	1	48	23.17	23.21	23.06	23.06			
10	QPSK	1	74	23.21	23.08	22.96	23.08			
10	QPSK	30	0	22.33	22.27	22.18	22.18	23.6		
10	QPSK	30	20	22.28	22.21	22.28	22.28			
10	QPSK	30	30	22.33	22.22	22.26	22.26			
10	QPSK	75	0	22.39	22.20	22.14	22.14			
10	QPSK	1	37	22.59	22.72	22.51	22.51	23.6		
10	QPSK	1	75	22.58	22.33	22.05	22.05			
10	QPSK	30	0	21.36	21.30	21.32	21.32			
10	QPSK	30	20	21.33	21.29	21.26	21.26			
10	QPSK	30	30	21.28	21.16	21.26	21.26	22.6		
10	QPSK	75	0	21.27	21.27	21.20	21.20			
10	QPSK	1	0	21.53	21.51	21.56	21.56			
10	QPSK	1	37	21.51	21.54	21.27	21.27			
10	QPSK	1	74	21.46	21.10	20.95	20.95	21.6		
10	QPSK	30	0	20.33	20.31	20.16	20.16			
10	QPSK	30	20	20.28	20.28	20.26	20.26			
10	QPSK	30	30	20.42	20.26	20.21	20.21			
10	QPSK	75	0	20.30	20.16	20.16	20.16	19.6		
10	QPSK	75	0	18.31	18.21	18.14	18.14			
10	QPSK	1	37	18.21	18.03	18.20	18.20			
10	QPSK	1	75	18.12	17.96	18.06	18.06			
10	QPSK	30	20	18.33	18.13	18.20	18.20	19.6		
10	QPSK	30	30	18.30	18.14	18.20	18.20			
10	QPSK	30	75	18.31	18.17	18.18	18.18			
10	QPSK	30	100	18.30	18.14	18.20	18.20			
10	QPSK	1	0	18.20	18.17	18.16	18.16			
10	QPSK	1	0	18.20	18.17	18.16	18.16			
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.12	23.12	23.05	23.05	23.6		
5	QPSK	1	12	23.20	23.22	23.05	23.05			
5	QPSK	1	24	23.21	23.15	23.01	23.01			
5	QPSK	1	48	23.17	23.21	23.06	23.06			
5	QPSK	25	0	22.32	22.30	22.22	22.22	23.6		
5	QPSK	25	12	22.28	22.22	22.09	22.09			
5	QPSK	25	24	22.32	22.18	22.13	22.13			
5	QPSK	80	0	22.28	22.19	22.12	22.12			
5	QPSK	1	10	22.47	22.31	22.06	22.06	23.6		
5	QPSK	1	24	22.80	22.76	22.62	22.62			
5	QPSK	1	48	22.72	22.41	22.33	22.33			
5	QPSK	25	0	21.32	21.10	21.21	21.21			
5	QPSK	25	12	21.35	21.10	21.19	21.19	22.6		
5	QPSK	25	24	21.30	21.17	21.27	21.27			
5	QPSK	80	0	21.34	21.15	21.24	21.24			
5	QPSK	1	0	21.16	21.51	21.15	21.15			
5	QPSK	1	25	21.63	21.06	21.03	21.03	22.6		
5	QPSK	1	48	21.66	21.22	21.35	21.35			
5	QPSK	20	0	20.34	20.27	20.17	20.17			
5	QPSK	20	12	20.34	20.27	20.21	20.21			
5	QPSK	25	0	20.35	20.21	20.26	20.26	21.6		
5	QPSK	25	12	20.30	20.25	20.20	20.20			
5	QPSK	80	0	20.30	20.25	20.20	20.20			
5	QPSK	80	0	18.31	18.14	18.12	18.12			
5	QPSK	1	20	18.20	17.97	18.20	18.20	19.6		
5	QPSK	1	48	18.08	17.97	18.01	18.01			
5	QPSK	20	0	18.23	18.07	18.15	18.15			
5	QPSK	20	12	18.23	18.05	18.11	18.11			
5	QPSK	25	0	18.22	18.08	18.16	18.16	19.6		
5	QPSK	25	12	18.27	18.08	18.06	18.06			
5	QPSK	80	0	18.27	18.08	18.06	18.06			
5	QPSK	80	0	18.27	18.08	18.06	18.06			
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.12	23.12	23.05	23.05	23.6		
3	QPSK	1	12	23.20	23.22	23.05	23.05			
3	QPSK	1	24	23.21	23.15	23.01	23.01			
3	QPSK	1	48	23.17	23.21	23.06	23.06			
3	QPSK	8	0	22.23	22.14	22.12	22.12	23.6		
3	QPSK	8	8	22.27	22.17	22.15	22.15			
3	QPSK	8	16	22.30	22.12	22.04	22.04			
3	QPSK	16	0	22.28	22.11	22.03	22.03			
3	QPSK	1	0	22.28	22.31	22.47	22.47	23.6		
3	QPSK	1	8	22.30	22.51	22.67	22.67			
3	QPSK	1	16	22.31	22.58	22.81	22.81			
3	QPSK	8	0	21.38	21.24	21.24	21.24			
3	QPSK	8	8	21.38	21.26	21.23	21.23	22.6		
3	QPSK	8	16	21.38	21.26	21.23	21.23			
3	QPSK	16	0	21.43	21.20	21.23	21.23			
3	QPSK	16	8	21.43	21.20	21.23	21.23			
3	QPSK	1	14	21.29	21.48	21.25	21.25	22.6		
3	QPSK	8	0	20.39	20.27	20.21	20.21			
3	QPSK	8	8	20.39	20.27	20.21	20.21			
3	QPSK	16	0	20.37	20.27	20.21	20.21			
3	QPSK	8	7	20.24	20.39	20.19	20.19	19.6		
3	QPSK	16	0	20.37	20.17	20.08	20.08			
3	QPSK	16	8	20.37	20.17	20.08	20.08			
3	QPSK	16	16	20.37	20.17	20.08	20.08			
3	QPSK	1	8	18.13	17.80	18.16	18.16	19.6		
3	QPSK	1	16	18.13	17.80	18.16	18.16			
3	QPSK	8	0	18.15	17.80	18.15	18.15			
3	QPSK	8	8	18.08	17.87	18.07	18.07			
3	QPSK</									

Band 41 PC2_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Wds (dBm)	
Channel				39750	40450	41150	41850	42550		
Frequency (MHz)				39750	40450	41150	41850	42550		
20	QPSK	1	0	25.14	25.17	25.13	25.03	25.34	27.5	
20	QPSK	1	48	25.28	25.31	25.28	25.12	25.65		27.5
20	QPSK	1	96	25.23	25.30	25.10	25.37	25.80		
20	QPSK	50	0	25.28	25.29	25.16	25.08	25.62		
20	QPSK	50	24	25.29	25.30	25.22	25.09	25.67		28.5
20	QPSK	50	96	25.31	25.32	25.23	25.12	25.63		
20	16QAM	1	0	25.24	25.30	25.45	25.32	25.08		28.5
20	16QAM	1	48	25.33	25.31	25.27	25.14	25.67		
20	16QAM	1	96	25.38	25.35	25.26	25.11	25.64		
20	16QAM	50	0	24.19	24.24	24.12	24.05	24.61		
20	16QAM	50	24	24.27	24.28	24.18	24.09	24.62		29.5
20	16QAM	50	96	24.27	24.27	24.06	24.06	24.62		
20	16QAM	100	0	24.22	24.25	24.15	24.10	24.51		
20	16QAM	1	0	24.23	24.35	24.24	24.15	24.66		
20	16QAM	1	48	24.24	24.33	24.15	24.04	24.61		29.5
20	16QAM	1	96	24.34	24.31	24.24	24.05	24.63		
20	16QAM	50	0	23.24	23.25	23.18	23.05	23.66		
20	16QAM	50	24	23.27	23.29	23.18	23.08	23.64		24.5
20	16QAM	50	96	23.30	23.27	23.18	23.07	23.60		
20	16QAM	100	0	23.27	23.26	23.20	23.06	23.61		
20	256QAM	1	0	21.68	21.11	21.21	21.09	21.51		22.5
20	256QAM	1	48	21.33	21.03	21.14	21.01	20.88		
20	256QAM	1	96	21.36	20.99	21.05	20.91	20.95		
20	256QAM	50	0	21.37	21.25	21.33	21.22	21.17		22.5
20	256QAM	50	24	21.36	21.21	21.30	21.17	21.15		
20	256QAM	100	0	21.32	21.20	21.25	21.18	21.12		
Channel				39725	40425	41125	41825	42525	Turn-up Wds (dBm)	
Frequency (MHz)				39725	40425	41125	41825	42525	Turn-up Wds (dBm)	
15	QPSK	1	0	26.03	26.12	26.07	25.93	26.27	27.50	
15	QPSK	1	36	25.97	25.99	25.93	25.81	25.71		27.50
15	QPSK	1	74	26.15	26.12	26.04	25.92	25.81		
15	QPSK	36	0	25.24	25.26	25.21	25.08	25.62		28.5
15	QPSK	36	36	25.24	25.27	25.19	25.09	25.51		
15	QPSK	36	74	25.26	25.27	25.20	25.07	24.88		
15	16QAM	1	0	25.28	25.37	25.35	25.12	25.11		28.5
15	16QAM	1	36	25.35	25.34	25.31	25.18	25.11		
15	16QAM	1	74	25.38	25.37	25.33	25.07	25.12		28.5
15	16QAM	36	0	24.22	24.22	24.17	24.04	24.50		
15	16QAM	36	36	24.21	24.21	24.12	24.04	23.99		29.5
15	16QAM	36	74	24.23	24.23	24.15	24.03	23.98		
15	16QAM	75	0	24.23	24.21	24.18	24.03	24.61		
15	16QAM	1	0	24.21	24.01	24.08	24.11	23.87		29.5
15	16QAM	1	36	24.12	24.10	24.07	23.92	23.89		
15	16QAM	1	74	24.12	24.11	24.07	23.86	23.89		
15	16QAM	36	0	23.20	23.21	23.15	23.05	23.59		24.5
15	16QAM	36	36	23.20	23.20	23.15	23.01	22.98		
15	16QAM	36	74	23.25	23.20	23.15	23.01	22.97		
15	256QAM	1	0	21.57	21.10	21.14	21.09	20.99		22.5
15	256QAM	1	36	21.24	20.99	21.11	21.03	20.97		
15	256QAM	1	74	21.29	20.97	21.01	20.88	20.89		
15	256QAM	36	0	21.56	21.09	21.15	21.05	21.09		22.5
15	256QAM	36	36	21.31	21.02	21.10	21.14	21.12		
15	256QAM	36	74	21.29	21.12	21.20	21.14	21.12		
15	256QAM	75	0	21.25	21.12	21.23	21.12	21.06		22.5
Channel				39700	40400	41100	41800	42500	Turn-up Wds (dBm)	
Frequency (MHz)				39700	40400	41100	41800	42500	Turn-up Wds (dBm)	
10	QPSK	1	0	26.08	26.10	26.05	25.96	26.35	27.50	
10	QPSK	1	20	26.15	26.17	26.10	26.00	26.50		27.50
10	QPSK	1	40	26.14	26.15	26.06	25.94	26.63		
10	QPSK	25	0	25.23	25.23	25.18	25.08	25.50		28.5
10	QPSK	25	12	25.24	25.23	25.17	25.07	24.69		
10	QPSK	25	24	25.27	25.25	25.18	25.07	24.61		
10	QPSK	50	0	25.29	25.29	25.22	25.15	25.51		28.5
10	16QAM	1	0	25.48	25.50	25.39	25.24	25.67		29.5
10	16QAM	1	20	25.37	25.35	25.27	25.10	25.72		
10	16QAM	1	40	25.46	25.41	25.37	25.22	25.15		
10	16QAM	25	0	24.25	24.30	24.20	24.10	24.61		29.5
10	16QAM	25	12	24.30	24.27	24.22	24.11	24.67		
10	16QAM	25	24	24.32	24.27	24.22	24.11	24.69		
10	16QAM	50	0	24.24	24.25	24.18	24.09	23.88		
10	16QAM	1	0	24.13	24.13	24.11	24.03	23.89		29.5
10	16QAM	1	20	23.85	23.87	23.83	23.69	23.82		
10	16QAM	1	40	24.16	24.09	24.08	23.85	23.88		
10	16QAM	25	0	23.21	23.19	23.21	23.08	22.88		
10	16QAM	25	12	23.27	23.17	23.20	23.06	23.02		
10	16QAM	25	24	23.29	23.23	23.21	23.06	23.03		
10	16QAM	50	0	23.28	23.25	23.17	23.09	23.00		
10	256QAM	1	0	21.68	21.03	21.21	21.07	20.97		22.5
10	256QAM	1	20	21.33	21.02	21.10	20.91	20.92		
10	256QAM	1	40	21.30	20.98	21.05	20.85	20.94		
10	256QAM	25	0	21.32	21.21	21.30	21.22	21.14		
10	256QAM	25	12	21.28	21.16	21.26	21.19	21.67		22.5
10	256QAM	25	24	21.31	21.20	21.30	21.07	21.15		
10	256QAM	50	0	21.25	21.14	21.19	21.17	21.10		
Channel				39675	40375	41075	41775	42475	Turn-up Wds (dBm)	
Frequency (MHz)				39675	40375	41075	41775	42475	Turn-up Wds (dBm)	
5	QPSK	1	0	26.07	26.11	26.06	25.95	26.85	27.50	
5	QPSK	1	10	26.08	26.10	26.04	25.94	26.83		27.50
5	QPSK	1	24	26.10	26.11	26.05	25.83	25.83		
5	QPSK	12	0	25.22	25.22	25.18	25.07	24.88		28.5
5	QPSK	12	7	25.20	25.19	25.14	25.01	24.86		
5	QPSK	12	15	25.21	25.23	25.17	25.04	24.87		
5	QPSK	25	0	25.22	25.21	25.14	25.05	24.89		28.5
5	16QAM	1	0	25.31	25.30	25.16	25.23	25.54		29.5
5	16QAM	1	12	25.37	25.36	25.34	25.17	25.14		
5	16QAM	1	24	25.38	25.36	25.33	25.17	25.14		
5	16QAM	12	0	24.19	24.24	24.18	24.01	24.51		
5	16QAM	12	7	24.23	24.22	24.16	24.04	24.03		
5	16QAM	12	15	24.25	24.23	24.18	24.05	24.63		
5	16QAM	25	0	24.27	24.24	24.23	24.08	24.68		
5	16QAM	1	0	24.07	24.09	24.05	23.92	23.87		
5	16QAM	1	12	24.12	24.07	24.08	24.01	23.90		29.5
5	16QAM	1	24	24.09	24.08	24.05	23.90	23.88		
5	16QAM	12	0	23.15	23.15	23.14	22.98	22.86		
5	16QAM	12	7	23.11	23.11	23.06	22.92	22.92		24.5
5	16QAM	12	15	23.16	23.15	23.12	22.96	22.84		
5	16QAM	25	0	23.13	23.19	23.17	22.97	22.97		
5	256QAM	1	0	21.64	21.03	21.18	20.99	20.95		22.5
5	256QAM	1	12	21.32	20.98	21.04	21.00	20.89		
5	256QAM	1	24	21.29	20.90	20.96	20.86	20.92		
5	256QAM	12	0	21.29	21.28	21.31	21.15	21.18		22.5
5	256QAM	12	7	21.37	21.24	21.36	21.19	21.11		
5	256QAM	12	15	21.36	21.15	21.27	21.13	21.18		22.5

Band 41 PC3_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Wrt (dBm)	
Channel				38750	40185	40620	41055	41490		
Frequency (MHz)				38750	39185	39620	40055	40490		
20	QPSK	1	0	24.10	24.14	24.08	23.96	23.91	25.5	
20	QPSK	1	48	24.13	24.13	24.05	23.97	23.89		
20	QPSK	1	96	24.18	24.19	24.11	24.02	23.93		
20	QPSK	50	0	23.30	23.27	23.20	23.09	23.02	24.5	
20	QPSK	50	24	23.29	23.29	23.15	23.11	23.06		
20	QPSK	50	50	23.31	23.34	23.15	23.13	23.03		
20	QPSK	100	0	23.32	23.30	23.21	23.13	22.99	24.5	
20	QPSK	1	0	23.25	23.24	23.30	23.10	22.99		
20	QPSK	1	48	23.20	23.18	23.23	22.99	22.94		
20	QPSK	1	96	23.27	23.28	23.31	22.98	22.96	23.5	
20	QPSK	50	0	22.29	22.26	22.21	22.10	22.02		
20	QPSK	50	24	22.30	22.29	22.21	22.12	22.04		
20	QPSK	50	50	22.31	22.27	22.21	22.10	22.02	23.5	
20	QPSK	100	0	22.31	22.27	22.21	22.10	22.02		
20	QPSK	1	0	21.93	21.95	21.82	21.78	21.65		
20	QPSK	1	48	21.94	21.92	21.79	21.69	21.59	23.5	
20	QPSK	1	96	21.94	21.96	21.83	21.67	21.62		
20	QPSK	50	0	21.27	21.25	21.19	21.08	21.02		
20	QPSK	50	24	21.28	21.27	21.22	21.10	21.02	22.5	
20	QPSK	50	50	21.29	21.25	21.19	21.05	20.99		
20	QPSK	100	0	21.27	21.24	21.18	21.06	21.00		
20	QPSK	1	0	19.35	19.34	19.35	19.30	19.23	20.5	
20	QPSK	1	48	19.28	18.88	18.87	18.75	18.72		
20	QPSK	1	96	19.25	18.82	18.89	18.71	18.74		
20	QPSK	50	0	19.38	19.31	19.37	19.30	19.21	20.5	
20	QPSK	50	24	19.41	19.30	19.34	19.27	19.20		
20	QPSK	50	50	19.40	19.27	19.31	19.21	19.17		
20	QPSK	100	0	19.33	19.22	19.27	19.19	19.13	20.5	
20	QPSK	100	0	19.33	19.22	19.27	19.19	19.13		
20	QPSK	100	0	19.33	19.22	19.27	19.19	19.13		
Channel				38750	40185	40620	41055	41490		
Frequency (MHz)				38750	39185	39620	40055	40490		
16	QPSK	1	0	24.10	24.18	24.17	24.04	23.97	25.0	
16	QPSK	1	30	24.14	24.11	24.05	23.94	23.91		
16	QPSK	1	74	24.18	24.17	24.15	24.00	23.96		
16	QPSK	50	0	23.24	23.27	23.21	23.09	23.02	24.5	
16	QPSK	50	20	23.27	23.28	23.21	23.10	23.00		
16	QPSK	50	50	23.29	23.27	23.19	23.08	22.99		
16	QPSK	75	0	23.28	23.30	23.22	23.14	23.02	24.5	
16	QPSK	1	0	23.31	23.30	23.31	23.20	23.10		
16	QPSK	1	30	23.33	23.33	23.33	23.10	23.07		
16	QPSK	1	74	23.35	23.33	23.34	23.12	23.10	23.5	
16	QPSK	50	0	22.20	22.18	22.15	22.02	21.97		
16	QPSK	50	20	22.21	22.20	22.15	22.01	21.97		
16	QPSK	50	50	22.22	22.20	22.15	22.01	21.97	23.5	
16	QPSK	75	0	22.30	22.28	22.21	22.11	22.01		
16	QPSK	1	0	21.92	21.93	21.88	21.78	21.75		
16	QPSK	1	30	21.85	21.78	21.83	21.78	21.70	23.5	
16	QPSK	1	74	21.87	21.85	21.85	21.78	21.70		
16	QPSK	50	0	21.25	21.23	21.19	21.04	21.01		
16	QPSK	50	20	21.26	21.23	21.19	21.04	21.01	22.5	
16	QPSK	50	50	21.27	21.25	21.21	21.03	21.01		
16	QPSK	75	0	21.25	21.24	21.18	21.07	20.99		
16	QPSK	1	0	19.25	19.20	19.24	19.20	19.21	20.5	
16	QPSK	1	30	19.28	19.29	19.24	18.80	18.81		
16	QPSK	1	74	19.20	18.76	18.82	18.70	18.76		
16	QPSK	50	0	19.38	19.22	19.28	19.25	19.12	20.5	
16	QPSK	50	20	19.35	19.22	19.21	19.11	19.08		
16	QPSK	50	50	19.34	19.21	19.19	19.16	19.10		
16	QPSK	75	0	19.24	19.21	19.19	19.16	19.10	20.5	
16	QPSK	75	0	19.24	19.21	19.19	19.16	19.10		
16	QPSK	75	0	19.24	19.21	19.19	19.16	19.10		
Channel				38750	40185	40620	41055	41490		
Frequency (MHz)				38750	39185	39620	40055	40490		
10	QPSK	1	0	24.15	24.16	24.17	24.08	23.98	25.0	
10	QPSK	1	20	24.14	24.07	24.05	23.95	23.87		
10	QPSK	1	40	24.17	24.11	24.10	24.05	23.98		
10	QPSK	25	0	23.26	23.25	23.19	23.10	22.99	24.5	
10	QPSK	25	12	23.27	23.26	23.20	23.11	23.00		
10	QPSK	25	25	23.30	23.27	23.21	23.12	22.99		
10	QPSK	50	0	23.33	23.29	23.23	23.16	23.01	24.5	
10	QPSK	1	0	23.28	23.27	23.24	23.18	23.08		
10	QPSK	1	20	23.23	23.19	23.23	23.06	22.99		
10	QPSK	1	40	23.27	23.29	23.21	23.19	23.02	23.5	
10	QPSK	25	0	22.34	22.31	22.23	22.14	22.05		
10	QPSK	25	12	22.34	22.30	22.23	22.13	22.04		
10	QPSK	25	25	22.34	22.31	22.24	22.14	22.04	23.5	
10	QPSK	50	0	22.30	22.27	22.20	22.10	22.02		
10	QPSK	1	0	22.02	21.91	21.90	21.81	21.78		
10	QPSK	1	20	21.98	21.97	21.90	21.73	21.73	23.5	
10	QPSK	1	40	22.03	21.92	21.89	21.76	21.77		
10	QPSK	25	0	21.28	21.23	21.17	21.09	21.01		
10	QPSK	25	12	21.28	21.23	21.18	21.07	21.01	22.5	
10	QPSK	25	25	21.27	21.24	21.19	21.09	21.01		
10	QPSK	50	0	21.29	21.28	21.21	21.10	21.03		
10	QPSK	1	0	19.30	19.30	19.34	19.34	19.30	20.5	
10	QPSK	1	20	19.28	19.28	19.22	19.17	19.08		
10	QPSK	1	40	19.18	19.25	19.24	19.05	19.07		
10	QPSK	25	0	19.28	19.28	19.28	19.23	19.14	20.5	
10	QPSK	25	12	19.35	19.20	19.25	19.23	19.10		
10	QPSK	25	25	19.34	19.25	19.22	19.19	19.16		
10	QPSK	50	0	19.27	19.20	19.24	19.20	19.04	20.5	
10	QPSK	50	0	19.27	19.20	19.24	19.20	19.04		
10	QPSK	50	0	19.27	19.20	19.24	19.20	19.04		
Channel				2489.5	2546.3	2593.1	2640.8	2688.5		
Frequency (MHz)				2489.5	2546.3	2593.1	2640.8	2688.5		
5	QPSK	1	0	24.16	24.18	24.15	24.05	23.97	25.0	
5	QPSK	1	10	24.17	24.16	24.17	24.04	23.95		
5	QPSK	1	24	24.15	24.17	24.14	24.02	23.95		
5	QPSK	12	0	23.23	23.19	23.17	23.06	22.99	24.5	
5	QPSK	12	7	23.25	23.25	23.19	23.08	23.03		
5	QPSK	12	15	23.25	23.22	23.17	23.07	23.00		
5	QPSK	25	0	23.26	23.27	23.20	23.11	23.00	24.5	
5	QPSK	1	0	23.32	23.27	23.20	23.07	23.04		
5	QPSK	1	12	23.30	23.31	23.29	23.07	23.04		
5	QPSK	1	24	23.27	23.31	23.29	23.12	23.06	23.5	
5	QPSK	12	0	22.14	22.13	22.12	22.00	21.96		
5	QPSK	12	7	22.17	22.14	22.13	22.00	21.96		
5	QPSK	12	15	22.16	22.15	22.11	21.08	21.85	23.5	
5	QPSK	25	0	22.28	22.25	22.21	22.13	22.07		
5	QPSK	1	0	21.93	21.85	21.94	21.75	21.62	23.5	
5	QPSK	1	12	21.93	21.82	21.93	21.73	21.78		
5	QPSK	1	24	21.97	21.88	21.95	21.73	21.83		
5	QPSK	12	0	21.15	21.13	21.12	20.98	20.89	22.5	
5	QPSK	12	7	21.16	21.13	21.14	20.98	20.89		
5	QPSK	12	15	21.16	21.12	21.13	20.96	20.89		
5	QPSK	25	0	21.25	21.23	21.18	21.08	21.01	22.5	
5	QPSK	1	0	19.35	18.82	18.95	18.84	18.72		
5	QPSK	1	10	19.32	18.92	18.99	18.76	18.73		
5	QPSK	12	0	19.32	19.26	19.29	19.20	19.13	20.5	
5	QPSK	12	7	19.34	19.25	19.28	19.24	19.16		
5	QPSK	12	15	19.37	19.22	19.31	19.13	19.08		

Band 48_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Limit Ch. / Freq.	Power Limit Mod. Ch. / Freq.	Power Limit Mod. Ch. / Freq.	Power Limit Mod. Ch. / Freq.	Power Limit Mod. Ch. / Freq.	Tune-up Int. (dBm)
Channel				56340	56330	56150	56640		
Frequency (MHz)				56340	56330	56150	56640		
20	QPSK	1	0	23.63	23.73	23.81	23.89		25.5
20	QPSK	1	40	23.63	23.81	23.89	23.88		
20	QPSK	1	80	23.63	23.87	23.88	23.88		
20	QPSK	50	0	23.29	23.42	23.45	23.39		24.5
20	QPSK	50	24	23.29	23.42	23.45	23.39		
20	QPSK	50	50	23.29	23.34	23.38	23.35		
20	QPSK	100	0	23.27	23.33	23.37	23.41		
20	16QAM	1	0	23.27	23.33	23.38	23.44		24.5
20	16QAM	1	40	23.29	23.39	23.37	23.32		
20	16QAM	1	80	23.29	23.34	23.35	23.28		
20	16QAM	50	0	22.32	22.30	22.41	22.38		23.5
20	16QAM	50	24	22.26	22.29	22.34	22.32		
20	16QAM	50	50	22.26	22.26	22.26	22.26		
20	16QAM	100	0	22.15	22.33	22.35	22.37		
20	64QAM	1	0	21.70	22.37	22.55	22.58		23.5
20	64QAM	1	40	21.61	21.82	22.35	22.35		
20	64QAM	1	80	21.89	21.77	22.05	22.02		
20	64QAM	50	0	21.34	21.31	21.31	21.38		
20	64QAM	50	24	21.24	21.31	21.35	21.30		
20	64QAM	50	50	21.13	21.27	21.26	21.21		22.5
20	64QAM	100	0	21.10	21.27	21.25	21.23		
20	256QAM	1	0	18.90	18.85	18.87	18.92		20.5
20	256QAM	1	40	18.85	18.83	19.01	18.99		
20	256QAM	1	80	18.81	18.83	18.13	18.11		
20	256QAM	50	0	18.34	18.37	19.44	19.47		
20	256QAM	50	24	18.36	18.40	19.46	19.52		20.5
20	256QAM	50	50	18.35	18.43	19.51	19.55		
20	256QAM	100	0	18.29	18.28	19.37	19.48		
Channel				56330	56320	56150	56640		
Frequency (MHz)				56330	56320	56150	56640		
15	QPSK	1	0	23.67	23.85	23.88	23.83		25.5
15	QPSK	1	47	23.61	23.72	23.63	23.87		
15	QPSK	1	74	23.71	23.69	23.68	23.64		
15	QPSK	36	0	23.27	23.34	23.40	23.34		24.5
15	QPSK	36	20	23.19	23.28	23.37	23.34		
15	QPSK	36	50	23.13	23.41	23.39	23.28		
15	QPSK	75	0	23.25	23.38	23.33	23.40		24.5
15	16QAM	1	0	23.14	23.41	23.32	23.30		
15	16QAM	1	37	23.05	23.32	23.30	23.36		
15	16QAM	1	74	23.05	23.02	22.88	23.01		
15	16QAM	36	0	22.30	22.25	22.32	22.28		23.5
15	16QAM	36	20	22.17	22.20	22.21	22.25		
15	16QAM	36	50	22.02	22.30	22.33	22.22		
15	16QAM	75	0	22.07	22.29	22.38	22.30		
15	64QAM	1	0	22.07	21.89	22.09	22.33		23.5
15	64QAM	1	37	22.25	22.39	22.16	22.03		
15	64QAM	1	74	21.72	21.86	22.09	22.28		
15	64QAM	36	0	21.17	21.31	21.25	21.21		22.5
15	64QAM	36	20	21.14	21.25	21.33	21.25		
15	64QAM	36	50	21.13	21.20	21.15	21.22		
15	64QAM	75	0	21.24	21.38	21.29	21.25		
15	256QAM	1	0	18.90	18.80	18.84	18.92		20.5
15	256QAM	1	37	18.75	18.41	18.99	18.96		
15	256QAM	1	74	18.61	18.92	18.94	18.94		
15	256QAM	36	0	18.21	18.35	19.44	19.48		20.5
15	256QAM	36	20	18.31	18.35	19.42	19.47		
15	256QAM	36	50	18.23	18.35	19.44	19.53		
15	256QAM	75	0	18.25	18.21	19.31	19.30		
Channel				56290	56815	56150	56690		
Frequency (MHz)				56290	56815	56150	56690		
10	QPSK	1	0	23.59	23.76	23.88	23.77		25.5
10	QPSK	1	25	23.62	23.70	23.81	23.62		
10	QPSK	1	40	23.60	23.70	23.75	23.68		
10	QPSK	25	0	23.30	23.39	23.46	23.36		24.5
10	QPSK	25	12	23.24	23.40	23.31	23.35		
10	QPSK	25	25	23.16	23.41	23.38	23.31		
10	QPSK	50	0	23.31	23.36	23.37	23.41		
10	16QAM	1	0	23.17	23.43	23.48	23.43		24.5
10	16QAM	1	25	22.83	23.12	23.18	23.26		
10	16QAM	1	40	23.14	23.15	23.30	23.34		
10	16QAM	25	0	22.22	22.31	22.40	22.35		23.5
10	16QAM	25	12	22.11	22.37	22.39	22.32		
10	16QAM	25	25	22.21	22.32	22.30	22.28		
10	16QAM	50	0	22.30	22.29	22.30	22.23		
10	64QAM	1	0	21.78	22.22	22.25	22.07		23.5
10	64QAM	1	25	21.64	22.12	22.04	22.14		
10	64QAM	1	40	21.80	22.08	21.58	22.09		
10	64QAM	25	0	21.09	21.26	21.34	21.28		22.5
10	64QAM	25	12	21.09	21.14	21.25	21.29		
10	64QAM	25	25	21.10	21.28	21.28	21.37		
10	64QAM	50	0	21.13	21.25	21.34	21.28		
10	256QAM	1	0	18.80	18.80	18.79	18.85		20.5
10	256QAM	1	25	18.74	18.79	18.82	18.89		
10	256QAM	1	40	18.73	18.80	18.80	18.87		
10	256QAM	25	0	18.28	18.27	18.30	18.33		20.5
10	256QAM	25	12	18.31	18.28	18.37	18.43		
10	256QAM	25	25	18.27	18.35	18.41	18.50		
10	256QAM	50	0	18.18	18.16	18.23	18.39		
Channel				56250	56975	56150	56975		
Frequency (MHz)				56250	56975	56150	56975		
5	QPSK	1	0	23.62	23.74	23.86	23.78		25.5
5	QPSK	1	0	23.54	23.60	23.80	23.73		
5	QPSK	1	24	23.68	23.80	23.76	23.96		
5	QPSK	12	0	23.06	23.28	23.35	23.28		24.5
5	QPSK	12	7	23.07	23.35	23.37	23.33		
5	QPSK	12	13	23.10	23.22	23.35	23.22		
5	QPSK	25	0	23.10	23.37	23.20	23.36		
5	16QAM	1	0	22.88	23.34	23.46	23.38		24.5
5	16QAM	1	12	22.05	22.27	22.35	22.23		
5	16QAM	1	24	22.05	22.19	22.29	22.26		
5	16QAM	12	0	22.07	22.17	22.22	22.22		23.5
5	16QAM	12	7	21.98	22.21	22.30	22.23		
5	16QAM	12	13	21.98	22.14	22.22	22.16		
5	16QAM	25	0	22.14	22.42	22.34	22.38		
5	64QAM	1	0	21.72	22.21	22.13	21.68		23.5
5	64QAM	1	12	22.17	22.19	22.11	21.91		
5	64QAM	1	24	22.18	21.83	22.15	22.08		
5	64QAM	12	0	21.08	21.24	21.32	21.18		22.5
5	64QAM	12	7	21.14	21.29	21.28	21.20		
5	64QAM	12	13	20.80	21.25	21.15	21.18		
5	64QAM	25	0	21.09	21.25	21.30	21.28		
5	256QAM	1	0	18.80	18.80	18.69	18.78		20.5
5	256QAM	1	0	18.72	18.70	18.67	18.64		
5	256QAM	1	24	18.71	18.86	18.92	18.78		
5	256QAM	12	0	18.25	18.20	18.26	18.27		20.5
5	256QAM	12	7	18.22	18.20	18.27	18.36		
5	256QAM	12	13	18.24	18.33	18.38	18.45		
5	256QAM	25	0	18.08	18.14	18.23	18.39		

Band 41 PC2_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	25.82	25.89	25.80	25.81	25.84	25.9		
20	QPSK	1	49	25.73	25.82	25.72	25.68	25.67			
20	QPSK	1	98	25.83	25.76	25.65	25.68	25.69			
20	QPSK	50	0	25.74	25.81	25.70	25.73	25.62			
20	QPSK	50	24	25.71	25.81	25.62	25.60	25.62	25.9		
20	QPSK	50	50	25.55	25.57	25.52	25.50	25.52			
20	QPSK	100	0	25.82	25.87	25.73	25.74	25.82			
20	QPSK	100	0	25.62	25.62	25.62	25.65	25.58			
20	16QAM	1	0	25.65	25.76	25.64	25.65	25.68	25.9		
20	16QAM	1	50	25.69	25.78	25.65	25.63	25.61			
20	16QAM	50	0	24.27	24.39	24.24	23.98	24.21			
20	16QAM	50	24	24.40	24.29	24.09	24.20	24.20			
20	16QAM	50	24	24.29	24.33	24.24	24.25	24.25	25.5		
20	16QAM	100	0	24.42	24.24	24.05	24.10	24.21			
20	16QAM	100	0	24.26	24.44	24.38	24.11	24.05			
20	16QAM	1	49	24.10	24.35	24.26	24.21	24.21			
20	16QAM	1	99	24.34	24.11	24.25	23.91	24.01	24.5		
20	16QAM	50	0	23.37	23.17	23.31	23.06	23.06			
20	16QAM	50	24	23.24	23.31	23.31	23.09	23.05			
20	16QAM	100	50	23.33	23.09	23.20	23.12	23.12			
20	16QAM	100	0	23.51	23.33	23.09	23.07	23.05	22.5		
20	256QAM	1	0	21.61	20.92	21.35	21.01	21.16			
20	256QAM	1	49	21.29	20.99	20.97	21.07	20.99			
20	256QAM	50	0	21.25	21.30	21.34	21.09	21.05			
20	256QAM	50	24	21.41	21.43	21.14	21.11	21.27			
20	256QAM	100	0	21.17	21.15	21.25	21.09	21.27			
20	256QAM	100	0	21.23	21.13	21.03	21.03	21.03			
Channel											
Frequency (MHz)											
15	QPSK	1	0	25.74	25.84	25.62	25.67	25.78	25.90		
15	QPSK	1	37	25.59	25.62	25.68	25.53	25.48			
15	QPSK	1	74	25.44	25.64	25.56	25.56	25.61			
15	QPSK	36	0	25.65	25.61	25.58	25.16	25.73			
15	QPSK	36	20	25.52	25.80	25.62	25.53	25.60	25.9		
15	QPSK	36	39	25.49	25.53	25.41	25.58	25.53			
15	QPSK	1	0	25.68	25.68	25.59	25.59	25.62			
15	16QAM	1	0	25.48	25.72	25.54	25.56	25.58			
15	16QAM	1	37	25.46	25.56	25.51	25.46	25.50	25.5		
15	16QAM	1	74	25.58	25.73	25.53	25.45	25.75			
15	16QAM	36	0	24.09	24.22	24.24	23.82	24.11			
15	16QAM	36	20	24.16	24.10	24.37	24.07	24.40			
15	16QAM	36	39	24.11	24.42	24.18	24.11	23.97	25.5		
15	16QAM	75	0	24.32	24.24	23.90	24.05	24.14			
15	16QAM	1	0	24.25	24.40	24.19	24.01	24.09			
15	16QAM	1	37	23.99	24.37	24.15	24.18	24.13			
15	16QAM	36	0	24.40	24.27	24.07	23.81	23.95	24.5		
15	16QAM	36	0	23.17	23.00	23.31	22.88	23.05			
15	16QAM	36	20	23.18	23.17	23.21	22.92	22.78			
15	16QAM	36	39	23.30	23.00	23.18	22.96	23.04			
15	16QAM	75	0	23.27	23.17	22.88	23.05	22.85	22.5		
15	256QAM	1	0	21.45	20.81	21.18	21.01	21.02			
15	256QAM	1	37	21.14	20.99	20.86	20.85	20.87			
15	256QAM	1	74	21.12	20.69	20.97	20.74	20.75			
15	256QAM	36	0	21.17	21.08	21.21	20.87	20.88			
15	256QAM	36	20	21.30	21.23	21.04	21.09	21.14	22.5		
15	256QAM	36	39	21.34	21.17	21.31	21.12	20.89			
15	256QAM	75	0	21.04	21.08	21.08	20.89	21.25			
15	256QAM	75	0	21.04	21.08	21.08	20.89	21.25			
Channel											
Frequency (MHz)											
10	QPSK	1	0	25.71	25.60	25.75	25.65	25.83	25.90		
10	QPSK	1	25	25.67	25.62	25.65	25.65	25.48			
10	QPSK	1	49	25.61	25.66	25.55	25.41	25.62			
10	QPSK	25	0	25.54	25.73	25.62	25.53	25.70			
10	QPSK	25	12	25.64	25.63	25.51	25.49	25.43	25.9		
10	QPSK	25	25	25.45	25.59	25.45	25.55	25.45			
10	QPSK	50	0	25.62	25.73	25.67	25.69	25.76			
10	16QAM	1	0	25.66	25.71	25.42	25.64	25.59			
10	16QAM	1	25	25.55	25.69	25.48	25.51	25.51	25.9		
10	16QAM	1	49	25.59	25.78	25.62	25.51	25.69			
10	16QAM	25	0	24.15	24.22	24.09	23.90	24.21			
10	16QAM	25	12	24.36	24.27	24.08	24.12	24.05			
10	16QAM	25	25	24.16	24.24	24.25	24.17	23.86	25.5		
10	16QAM	50	0	24.40	24.24	24.93	24.03	24.03			
10	16QAM	1	0	24.23	24.38	24.21	23.94	23.97			
10	16QAM	1	25	24.12	24.21	24.10	24.18	24.21			
10	16QAM	1	49	24.22	24.08	24.09	23.72	24.03	24.5		
10	16QAM	25	0	23.34	23.10	23.26	23.03	23.00			
10	16QAM	25	12	23.08	23.29	23.24	22.92	22.87			
10	16QAM	25	25	23.24	23.00	23.09	23.08	22.92			
10	16QAM	50	0	23.18	23.31	22.89	22.88	22.84	22.5		
10	256QAM	1	0	21.46	20.75	21.22	20.89	21.16			
10	256QAM	1	25	21.12	20.85	20.82	20.98	20.82			
10	256QAM	1	49	21.00	20.68	21.08	20.83	20.81			
10	256QAM	25	0	21.23	21.16	21.23	20.95	20.86	22.5		
10	256QAM	25	12	21.21	21.34	21.07	20.95	21.25			
10	256QAM	25	25	21.31	21.19	21.35	21.23	20.85			
10	256QAM	50	0	21.01	21.02	21.18	21.03	21.23			
Channel											
Frequency (MHz)											
5	QPSK	1	0	25.72	25.75	25.80	25.62	25.78	25.90		
5	QPSK	1	12	25.67	25.75	25.61	25.67	25.51			
5	QPSK	1	24	25.52	25.68	25.52	25.45	25.54			
5	QPSK	12	0	25.58	25.69	25.59	25.53	25.63			
5	QPSK	12	7	25.71	25.59	25.58	25.48	25.55	25.9		
5	QPSK	12	13	25.55	25.49	25.43	25.80	25.40			
5	QPSK	25	0	25.70	25.65	25.62	25.46	25.65			
5	16QAM	1	0	25.50	25.74	25.60	25.53	25.55			
5	16QAM	1	12	25.54	25.67	25.49	25.45	25.53	25.9		
5	16QAM	1	24	25.57	25.72	25.52	25.53	25.61			
5	16QAM	12	0	24.22	24.30	24.21	23.88	24.18			
5	16QAM	12	7	24.36	24.26	24.02	24.06	24.04			
5	16QAM	12	13	24.18	24.40	24.28	24.12	23.85	25.5		
5	16QAM	25	0	24.23	24.18	23.91	24.05	24.20			
5	16QAM	1	0	24.50	24.28	24.22	24.06	24.01			
5	16QAM	1	12	24.01	24.21	24.12	24.08	24.08			
5	16QAM	1	24	24.19	23.69	24.25	23.75	24.02	24.5		
5	16QAM	12	0	23.27	23.19	23.11	22.97	22.91			
5	16QAM	12	7	23.11	23.19	23.12	22.89	22.86			
5	16QAM	12	13	23.16	23.07	23.08	22.96	22.96			
5	16QAM	25	0	23.30	23.25	22.84	23.05	22.89	22.5		
5	256QAM	1	0	21.52	20.85	21.29	20.93	21.09			
5	256QAM	1	12	21.18	20.80	20.84	20.87	20.82			
5	256QAM	1	24	21.25	20.67	20.69	20.72	20.80			
5	256QAM	12	0	21.09	21.12	21.14	20.94	20.86			
5	256QAM	12	7	21.23	21.07	21.04	20.97	20.89	22.5		
5	256QAM	12	13	21.41	21.27	21.32	21.22	20.83			

Band 41 PC3_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Mode Ch / Freq	Power High Mode Ch / Freq	Power High Mode Ch / Freq	Time-up time (sec)
Channel				36760	40185	40610	41035	41460	41885	
Frequency (MHz)				36760	36915	36915	36915	36915	36915	
20	QPSK	1	0	23.74	23.58	23.59	23.59	23.51	23.51	24.3
20	QPSK	1	40	23.70	23.54	23.55	23.52	23.50	23.50	
20	QPSK	1	80	23.71	23.50	23.50	23.54	23.50	23.50	
20	QPSK	50	0	23.30	22.98	23.20	23.05	23.04	23.04	
20	QPSK	50	24	23.21	22.98	23.18	22.98	23.03	23.03	24.3
20	QPSK	50	36	23.23	22.92	23.14	22.86	22.99	22.99	
20	16QAM	1	0	23.50	23.24	23.64	23.53	23.38	23.38	
20	16QAM	50	0	23.57	23.24	23.62	23.09	23.30	23.30	
20	16QAM	50	0	22.85	22.43	22.82	22.51	22.48	22.48	23.5
20	16QAM	50	24	22.88	22.42	22.61	22.48	22.48	22.48	
20	16QAM	50	36	22.88	22.38	22.62	22.42	22.42	22.42	
20	16QAM	100	0	22.95	22.43	22.51	22.21	22.17	22.17	
20	64QAM	1	0	22.57	22.44	22.68	22.57	22.39	22.39	23.5
20	64QAM	1	40	22.53	22.28	22.54	22.38	22.38	22.38	
20	64QAM	50	0	21.85	21.85	21.85	21.71	21.68	21.68	
20	64QAM	50	24	21.87	21.63	21.82	21.68	21.68	21.68	
20	64QAM	50	36	21.86	21.59	21.79	21.63	21.64	21.64	22.5
20	64QAM	100	0	21.70	21.54	21.74	21.59	21.60	21.60	
20	256QAM	1	0	19.60	19.36	19.62	19.50	19.42	19.42	
20	256QAM	1	40	19.65	19.36	19.52	19.11	19.42	19.42	
20	256QAM	50	0	19.85	19.67	19.84	19.26	19.75	19.75	20.5
20	256QAM	50	24	19.87	19.63	19.81	19.47	19.69	19.69	
20	256QAM	50	36	19.88	19.62	19.81	19.41	19.67	19.67	
20	256QAM	100	0	19.81	19.59	19.78	19.34	19.85	19.85	
Channel				36725	40173	40603	41008	41515	41915	
Frequency (MHz)				36725	36913	36913	36913	36913	36913	
15	QPSK	1	0	23.68	23.58	23.52	23.50	23.54	23.54	24.30
15	QPSK	1	37	23.63	23.50	23.50	23.52	23.54	23.54	
15	QPSK	1	74	23.67	23.53	23.51	23.53	23.50	23.50	
15	QPSK	36	0	23.10	22.81	23.02	22.96	22.96	22.96	
15	QPSK	36	20	23.08	22.88	23.04	22.79	22.99	22.99	24.3
15	QPSK	36	30	23.10	22.81	22.84	22.87	22.83	22.83	
15	QPSK	75	0	23.20	22.87	23.12	22.88	22.95	22.95	
15	16QAM	1	0	23.30	23.31	23.59	23.50	23.32	23.32	
15	16QAM	1	37	23.42	23.16	23.53	22.89	23.22	23.22	24.3
15	16QAM	1	74	23.42	23.12	23.50	22.90	23.11	23.11	
15	16QAM	36	0	22.60	22.26	22.48	22.50	22.29	22.29	
15	16QAM	36	30	22.64	22.35	22.53	22.48	22.26	22.26	
15	16QAM	36	39	22.67	22.19	22.48	22.37	22.27	22.27	23.5
15	16QAM	75	0	22.60	22.28	22.57	22.08	22.41	22.41	
15	64QAM	1	0	22.41	22.39	22.65	22.58	22.22	22.22	
15	64QAM	1	37	22.43	22.18	22.42	22.29	22.22	22.22	
15	64QAM	1	74	22.42	22.17	22.42	22.06	22.36	22.36	22.5
15	64QAM	36	0	21.77	21.83	21.55	21.54	21.57	21.57	
15	64QAM	36	20	21.78	21.51	21.62	21.65	21.53	21.53	
15	64QAM	36	30	21.75	21.45	21.50	21.48	21.45	21.45	
15	64QAM	75	0	21.76	21.43	21.60	21.27	21.45	21.45	20.5
15	256QAM	1	0	19.65	19.28	19.56	19.50	19.37	19.37	
15	256QAM	1	37	19.46	19.33	19.59	19.33	19.26	19.26	
15	256QAM	1	74	19.50	19.31	19.47	19.31	19.40	19.40	
15	256QAM	36	0	19.60	19.64	19.69	19.21	19.50	19.50	
15	256QAM	36	20	19.75	19.50	19.69	19.34	19.39	19.39	20.5
15	256QAM	36	30	19.84	19.48	19.75	19.38	19.47	19.47	
15	256QAM	75	0	19.64	19.69	19.63	19.77	19.63	19.63	
15	256QAM	75	0	19.64	19.69	19.63	19.77	19.63	19.63	
Channel				36760	40160	40600	41000	41500	41900	
Frequency (MHz)				36760	36910	36910	36910	36910	36910	
10	QPSK	1	0	23.69	23.53	23.51	23.56	23.59	23.59	24.30
10	QPSK	1	25	23.64	23.53	23.50	23.54	23.50	23.50	
10	QPSK	1	48	23.68	23.50	23.51	23.54	23.56	23.56	
10	QPSK	25	0	23.22	22.81	23.01	23.01	23.04	23.04	
10	QPSK	25	12	23.03	22.95	23.02	22.85	23.02	23.02	24.3
10	QPSK	25	18	23.03	22.76	23.14	22.71	22.98	22.98	
10	QPSK	50	0	23.14	22.85	23.18	22.97	22.91	22.91	
10	16QAM	1	0	23.40	23.20	23.58	23.59	23.59	23.59	
10	16QAM	1	26	23.38	23.08	23.58	23.80	23.50	23.50	24.3
10	16QAM	1	49	23.40	23.18	23.42	23.02	23.13	23.13	
10	16QAM	25	0	22.40	22.32	22.52	22.36	22.38	22.38	
10	16QAM	25	12	22.68	22.25	22.52	22.34	22.37	22.37	
10	16QAM	25	26	22.68	22.20	22.60	22.26	22.30	22.30	23.5
10	16QAM	50	0	22.63	22.31	22.58	22.14	22.40	22.40	
10	64QAM	1	0	22.51	22.44	22.54	22.41	22.36	22.36	
10	64QAM	1	26	22.41	22.14	22.49	22.21	22.32	22.32	
10	64QAM	1	49	22.57	22.22	22.59	21.96	22.30	22.30	22.5
10	64QAM	25	0	21.79	21.54	21.72	21.53	21.65	21.65	
10	64QAM	25	12	21.74	21.62	21.71	21.63	21.52	21.52	
10	64QAM	25	26	21.83	21.42	21.71	21.61	21.48	21.48	
10	64QAM	50	0	21.81	21.38	21.62	21.24	21.50	21.50	20.5
10	256QAM	1	0	19.65	19.38	19.62	19.53	19.46	19.46	
10	256QAM	1	25	19.48	19.30	19.61	19.50	19.32	19.32	
10	256QAM	1	48	19.45	19.30	19.48	19.03	19.25	19.25	
10	256QAM	25	0	19.73	19.60	19.64	19.16	19.54	19.54	
10	256QAM	25	12	19.72	19.58	19.67	19.34	19.57	19.57	20.5
10	256QAM	25	26	19.79	19.61	19.61	19.41	19.66	19.66	
10	256QAM	12	13	19.84	19.62	19.68	19.39	19.54	19.54	
10	256QAM	50	0	19.72	19.54	19.68	19.66	19.64	19.64	
Channel				2698.5	2648.5	2598.5	2640.5	2687.5	2737.5	
Frequency (MHz)				2698.5	2648.5	2598.5	2640.5	2687.5	2737.5	
5	QPSK	1	0	23.70	23.53	23.51	23.52	23.51	23.51	24.30
5	QPSK	1	0	23.57	23.50	23.50	23.50	23.51	23.51	
5	QPSK	1	24	23.68	23.51	23.50	23.52	23.51	23.51	
5	QPSK	12	0	23.30	22.96	23.19	22.88	22.88	22.88	
5	QPSK	12	7	23.02	22.79	23.03	22.90	22.99	22.99	24.3
5	QPSK	12	13	23.20	22.86	23.04	22.77	22.96	22.96	
5	QPSK	25	0	23.20	22.90	23.07	22.94	22.94	22.94	
5	16QAM	1	0	23.46	23.21	23.55	23.39	23.36	23.36	
5	16QAM	1	12	23.40	23.16	23.41	22.77	23.24	23.24	24.3
5	16QAM	1	24	23.60	23.22	23.48	23.02	23.07	23.07	
5	16QAM	12	0	22.50	22.30	22.57	22.46	22.48	22.48	
5	16QAM	12	7	22.55	22.31	22.54	22.43	22.42	22.42	
5	16QAM	12	18	22.52	22.18	22.47	22.25	22.37	22.37	23.5
5	16QAM	25	0	22.52	22.38	22.54	22.05	22.30	22.30	
5	64QAM	1	0	22.41	22.44	22.54	22.50	22.37	22.37	
5	64QAM	1	12	22.33	22.20	22.40	22.25	22.17	22.17	
5	64QAM	1	24	22.48	22.23	22.51	21.94	22.25	22.25	22.5
5	64QAM	12	0	21.68	21.6	21.6	21.6	21.6	21.6	
5	64QAM	12	7	21.81	21.45	21.82	21.68	21.62	21.62	
5	64QAM	12	18	21.83	21.51	21.54	21.41	21.41	21.41	
5	64QAM	25	0	21.61	21.53	21.60	21.30	21.44	21.44	20.5
5	256QAM	1	0	19.61	19.37	19.68	19.49	19.50	19.50	
5	256QAM	1	12	19.60	19.27	19.67	19.37	19.43	19.43	
5	256QAM	1	24	19.45	19.23	19.32	19.59	19.41	19.41	
5	256QAM	12	0	19.67	19.49	19.68	19.50	19.62	19.62	20.5
5	256QAM	12	7	19.71	19.57	19.68	19.47	19.57	19.57	
5	256QAM	12	18	19.84	19.62	19.68	19.39	19.54	19.54	
5	256QAM	25	0	19.72	19.54	19.68	19.66	19.64	19.64	

Band 48_Ant 6											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Time-up time (dBm)			
Channel				56340	56350	56350	56360				
Frequency (MHz)				56340	56350	56350	56360				
20	QPSK	1	0	23.03	23.73	23.81	23.89	24.3			
20	QPSK	1	49	23.00	23.61	23.69	23.66				
20	QPSK	1	99	23.02	23.67	23.65	23.56				
20	QPSK	50	24	23.29	23.42	23.39	23.33				
20	QPSK	50	50	23.24	23.34	23.35	23.25	24.3			
20	QPSK	100	0	23.27	23.33	23.37	23.41				
20	16QAM	1	0	23.07	23.33	23.38	23.14				
20	16QAM	1	49	23.20	23.30	23.17	23.32				
20	16QAM	1	99	23.21	23.14	23.15	23.26	24.3			
20	16QAM	50	0	22.12	22.30	22.41	22.36				
20	16QAM	50	24	22.26	22.29	22.34	22.32				
20	16QAM	100	0	22.11	22.25	22.32	22.31				
20	16QAM	100	0	22.15	22.31	22.35	22.32	23.5			
20	16QAM	1	0	21.70	22.37	22.55	22.08				
20	16QAM	1	49	21.61	21.92	22.32	22.12				
20	16QAM	1	99	21.59	21.77	22.02	22.02				
20	64QAM	50	0	21.14	21.31	21.31	21.36	22.5			
20	64QAM	50	24	21.24	21.31	21.33	21.30				
20	64QAM	50	50	21.13	21.27	21.28	21.21				
20	64QAM	100	0	21.16	21.27	21.51	21.29				
20	256QAM	1	0	18.96	18.63	18.91	18.95	20.5			
20	256QAM	1	49	18.85	18.63	19.01	19.23				
20	256QAM	50	0	19.34	19.37	19.44	19.47				
20	256QAM	50	24	19.38	19.40	19.48	19.52				
20	256QAM	50	50	19.38	19.43	19.51	19.55	20.5			
20	256QAM	100	0	19.29	19.28	19.37	19.46				
Channel				56375	56375	56375	56375				
Frequency (MHz)				56375	56375	56375	56375				
15	QPSK	1	0	23.67	23.85	23.88	23.83	24.3			
15	QPSK	1	37	23.51	23.72	23.83	23.57				
15	QPSK	1	74	23.71	23.69	23.68	23.64				
15	QPSK	36	0	23.37	23.34	23.40	23.34				
15	QPSK	36	20	23.19	23.28	23.37	23.34	24.3			
15	QPSK	36	39	23.13	23.41	23.39	23.28				
15	QPSK	15	0	23.25	23.38	23.33	23.40				
15	16QAM	1	0	23.14	23.41	23.32	23.35				
15	16QAM	1	37	23.08	23.32	23.30	23.36	24.3			
15	16QAM	1	74	23.08	23.02	23.08	23.01				
15	16QAM	36	0	22.20	22.25	22.32	22.28				
15	16QAM	36	20	22.13	22.23	22.27	22.25				
15	16QAM	36	39	22.02	22.30	22.33	22.22	23.5			
15	16QAM	75	0	22.07	22.29	22.38	22.30				
15	64QAM	1	0	22.07	21.99	22.09	22.53				
15	64QAM	1	37	22.25	22.30	22.16	22.03				
15	64QAM	1	74	21.72	21.68	22.09	22.26	22.5			
15	64QAM	36	0	21.11	21.31	21.32	21.21				
15	64QAM	36	20	21.14	21.25	21.33	21.25				
15	64QAM	36	39	21.13	21.25	21.16	21.02				
15	64QAM	75	0	21.24	21.38	21.29	21.25	20.5			
15	256QAM	1	0	18.90	18.80	18.84	18.92				
15	256QAM	1	37	18.75	18.81	18.99	18.96				
15	256QAM	1	74	18.81	18.90	19.04	18.94				
15	256QAM	36	0	19.31	19.35	19.34	19.40	20.5			
15	256QAM	36	20	19.31	19.35	19.42	19.47				
15	256QAM	36	39	19.33	19.35	19.44	19.53				
15	256QAM	15	0	19.25	19.21	19.31	19.39				
Channel				56390	56395	56395	56396				
Frequency (MHz)				56390	56395	56395	56396				
10	QPSK	1	0	23.99	23.75	23.86	23.77	24.3			
10	QPSK	1	25	23.52	23.75	23.61	23.62				
10	QPSK	1	46	23.66	23.70	23.75	23.68				
10	QPSK	25	0	23.30	23.39	23.46	23.36				
10	QPSK	25	12	23.24	23.40	23.31	23.35	24.3			
10	QPSK	25	25	23.16	23.41	23.38	23.31				
10	QPSK	50	0	23.31	23.38	23.37	23.41				
10	16QAM	1	0	23.17	23.33	23.46	23.28				
10	16QAM	1	25	23.33	23.32	23.18	23.36	24.3			
10	16QAM	1	49	23.14	23.15	23.30	23.34				
10	16QAM	25	0	22.22	22.31	22.40	22.35				
10	16QAM	25	12	22.11	22.37	22.39	22.32				
10	16QAM	25	25	22.21	22.32	22.30	22.28	23.5			
10	16QAM	50	0	22.20	22.29	22.30	22.23				
10	64QAM	1	0	21.78	22.22	22.28	22.07				
10	64QAM	1	25	22.04	22.12	22.54	22.14				
10	64QAM	1	49	21.88	22.08	21.98	22.09	22.5			
10	64QAM	25	0	21.09	21.26	21.34	21.28				
10	64QAM	25	12	21.09	21.14	21.35	21.29				
10	64QAM	25	25	21.16	21.28	21.28	21.37				
10	64QAM	50	0	21.13	21.25	21.34	21.28	20.5			
10	256QAM	1	0	18.80	18.80	18.79	18.85				
10	256QAM	1	25	18.74	18.79	18.62	18.89				
10	256QAM	1	46	18.70	18.80	18.68	18.87				
10	256QAM	25	0	19.28	19.27	19.30	19.33	20.5			
10	256QAM	25	12	19.31	19.28	19.37	19.43				
10	256QAM	25	25	19.27	19.35	19.41	19.50				
10	256QAM	50	0	19.18	19.16	19.25	19.39				
Channel				56395	56395	56395	56395				
Frequency (MHz)				56395	56395	56395	56395				
5	QPSK	1	0	23.52	23.74	23.88	23.78	24.3			
5	QPSK	1	12	23.54	23.65	23.80	23.73				
5	QPSK	1	24	23.68	23.69	23.76	23.66				
5	QPSK	12	0	23.08	23.28	23.35	23.26				
5	QPSK	12	7	23.07	23.35	23.27	23.33	24.3			
5	QPSK	12	13	23.19	23.27	23.35	23.22				
5	QPSK	25	0	23.10	23.27	23.36	23.26				
5	16QAM	1	0	22.88	23.34	23.45	23.39				
5	16QAM	1	12	22.95	23.27	23.33	23.28	24.3			
5	16QAM	1	24	22.95	23.19	23.29	23.26				
5	16QAM	12	0	22.07	22.17	22.22	22.22				
5	16QAM	12	7	21.86	22.21	22.30	22.23				
5	16QAM	12	13	21.09	22.14	22.22	22.16	23.5			
5	16QAM	25	0	22.14	22.42	22.34	22.38				
5	64QAM	1	0	21.72	22.21	22.13	21.86				
5	64QAM	1	12	22.17	22.19	22.11	21.91				
5	64QAM	1	24	22.18	21.83	22.15	22.08	22.5			
5	64QAM	12	0	21.06	21.24	21.32	21.16				
5	64QAM	12	7	21.14	21.29	21.26	21.20				
5	64QAM	12	13	20.96	21.25	21.15	21.16				
5	64QAM	25	0	21.09	21.25	21.30	21.28	20.5			
5	256QAM	1	0	18.80	18.80	18.69	18.76				
5	256QAM	1	12	18.72	18.70	18.67	18.84				
5	256QAM	1	24	18.71	18.68	18.92	18.78				
5	256QAM	12	0	19.29	19.20	19.29	19.27				
5	256QAM	12	7	19.22	19.20	19.27	19.35	20.5			
5	256QAM	12	13	19.24	19.33	19.38	19.45				
5	256QAM	25	0	19.08	19.14	19.23	19.36				



Band 41 PC2_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Meds Ch / Freq	Power Med Ch / Freq	Power High Meds Ch / Freq	Power Hgt Ch / Freq	Time-up test (dBm)	
Channel				39760	40185	40600	41005	41490		
Frequency (MHz)				2664	2684.5	2699	2684.5	2664		
20	QPSK	1	0	25.82	25.89	25.80	25.81	25.84	27.1	
20	QPSK	1	40	25.73	25.82	25.72	25.68	25.67		
20	QPSK	1	80	25.63	25.76	25.65	25.68	25.66		
20	QPSK	50	0	25.74	25.81	25.70	25.73	25.62		
20	QPSK	50	24	25.77	25.81	25.62	25.63	25.66		
20	QPSK	50	36	25.53	25.67	25.58	25.60	25.52	26.5	
20	QPSK	100	0	25.82	25.87	25.73	25.74	25.62		
20	16QAM	1	0	25.65	25.82	25.62	25.65	25.58		
20	16QAM	1	40	25.55	25.76	25.64	25.61	25.63		
20	16QAM	50	0	25.69	25.78	25.65	25.63	25.61		
20	16QAM	50	0	24.27	24.39	24.24	23.98	24.21	25.5	
20	16QAM	50	24	24.40	24.29	24.09	24.20	24.09		
20	16QAM	50	36	24.20	24.45	24.25	24.46	24.36		
20	16QAM	100	0	24.42	24.24	24.05	24.10	24.21		
20	64QAM	1	0	24.26	24.44	24.26	24.11	24.05		
20	64QAM	1	40	24.11	24.30	24.25	24.21	24.21	24.5	
20	64QAM	1	80	24.34	24.11	24.25	23.91	24.07		
20	64QAM	50	0	23.97	23.17	23.31	23.08	23.08		
20	64QAM	50	24	23.54	23.31	23.31	23.08	23.05		
20	64QAM	50	36	23.33	23.03	23.00	23.07	22.65		
20	256QAM	1	0	23.31	23.33	23.00	23.07	22.65	22.5	
20	256QAM	1	40	21.29	20.99	20.97	21.07	20.99		
20	256QAM	1	80	21.26	20.79	21.08	20.83	20.99		
20	256QAM	50	0	21.25	21.20	21.34	21.09	21.05		
20	256QAM	50	24	21.41	21.43	21.14	21.11	21.07		
20	256QAM	50	36	21.43	21.27	21.44	21.29	21.00	22.5	
20	256QAM	100	0	21.17	21.15	21.25	21.08	21.27		
Channel				39725	40151	40600	41008	41515		
Frequency (MHz)				2503.5	2548.5	2593	2637.5	2682.5	Time-up test (dBm)	
15	QPSK	1	0	25.74	25.84	25.62	25.67	25.78	27.10	
15	QPSK	1	47	25.60	25.82	25.69	25.53	25.48		
15	QPSK	1	74	25.44	25.84	25.59	25.56	25.61		
15	QPSK	36	0	25.61	25.81	25.58	25.70	25.76		
15	QPSK	36	20	25.52	25.80	25.62	25.63	25.60		
15	QPSK	36	30	25.49	25.53	25.41	25.58	25.53	26.5	
15	QPSK	75	0	25.61	25.68	25.59	25.69	25.62		
15	16QAM	1	0	25.48	25.72	25.54	25.56	25.58		
15	16QAM	1	37	25.40	25.58	25.51	25.46	25.50		
15	16QAM	1	4	25.60	25.73	25.63	25.45	25.75		
15	16QAM	36	0	24.09	24.22	24.24	23.82	24.11	25.5	
15	16QAM	36	30	24.31	24.10	23.97	24.07	24.06		
15	16QAM	36	39	24.11	24.42	24.18	24.11	23.97		
15	16QAM	75	0	24.32	24.24	23.90	24.05	24.14		
15	64QAM	1	0	24.25	24.40	24.19	24.01	24.00		
15	64QAM	1	37	23.99	24.37	24.15	24.16	24.13	24.5	
15	64QAM	1	74	24.20	24.07	24.07	23.87	23.96		
15	64QAM	36	0	23.17	23.00	23.1	22.85	22.95		
15	64QAM	36	20	23.18	23.17	23.21	22.82	22.76		
15	64QAM	36	30	23.30	23.00	23.15	22.96	23.04		
15	64QAM	75	0	23.27	23.17	22.88	23.05	22.80	22.5	
15	256QAM	1	0	21.45	20.81	21.16	21.01	21.02		
15	256QAM	1	37	21.14	20.99	20.86	20.93	20.87		
15	256QAM	1	74	21.12	20.59	20.97	20.74	20.75		
15	256QAM	36	0	21.17	21.06	21.27	21.07	21.14		
15	256QAM	36	20	21.30	21.23	21.04	21.07	21.14	22.5	
15	256QAM	36	30	21.34	21.17	21.31	21.12	20.99		
15	256QAM	75	0	21.04	21.08	21.08	20.89	21.28		
Channel				39700	40165	40600	41000	41495	Time-up test (dBm)	
Frequency (MHz)				257.1	258.6	259.5	258.5	257.5		
10	QPSK	1	0	25.71	25.86	25.75	25.65	25.83	27.10	
10	QPSK	1	25	25.57	25.62	25.65	25.65	25.48		
10	QPSK	1	40	25.61	25.66	25.55	25.51	25.60		
10	QPSK	25	0	25.54	25.73	25.62	25.63	25.70		
10	QPSK	25	12	25.64	25.63	25.51	25.49	25.43		
10	QPSK	25	12	25.45	25.69	25.45	25.55	25.54	26.5	
10	QPSK	50	0	25.62	25.73	25.67	25.69	25.76		
10	16QAM	1	0	25.56	25.71	25.42	25.64	25.59		
10	16QAM	1	25	25.55	25.60	25.46	25.61	25.57		
10	16QAM	1	40	25.69	25.78	25.62	25.51	25.69		
10	16QAM	25	0	24.15	24.22	24.09	23.90	24.21	25.5	
10	16QAM	25	12	24.38	24.27	24.08	24.12	24.05		
10	16QAM	25	25	24.16	24.24	24.25	24.17	23.88		
10	16QAM	50	0	24.40	24.24	23.93	24.03	24.03		
10	64QAM	1	0	24.23	24.38	24.21	23.94	23.97		
10	64QAM	1	25	24.12	24.31	24.10	24.16	24.21	24.5	
10	64QAM	1	40	24.22	24.08	24.09	23.72	24.03		
10	64QAM	25	0	23.34	23.10	23.25	23.03	23.00		
10	64QAM	25	0	23.08	23.29	23.24	23.02	22.87		
10	64QAM	25	25	23.24	23.00	23.09	23.08	22.93		
10	256QAM	1	0	23.18	23.31	22.89	22.88	22.84	22.5	
10	256QAM	1	0	21.46	20.75	21.07	20.89	21.16		
10	256QAM	1	25	21.12	20.85	20.82	20.96	20.82		
10	256QAM	1	40	21.20	20.65	21.05	20.63	20.81		
10	256QAM	25	0	21.23	21.16	21.23	20.95	20.86		
10	256QAM	25	12	21.21	21.34	21.07	20.95	21.25	22.5	
10	256QAM	25	25	21.31	21.19	21.35	21.23	20.80		
10	256QAM	50	0	21.01	21.02	21.18	21.05	21.23		
Channel				2698.5	2646.5	2599	2640.5	2687.5	Time-up test (dBm)	
Frequency (MHz)				2498.5	2546.5	2593	2640.5	2687.5		
5	QPSK	1	0	25.72	25.75	25.80	25.62	25.76	27.10	
5	QPSK	1	0	25.67	25.70	25.61	25.67	25.57		
5	QPSK	1	24	25.52	25.58	25.52	25.40	25.54		
5	QPSK	12	0	25.58	25.69	25.59	25.53	25.63		
5	QPSK	12	7	25.71	25.69	25.58	25.49	25.55		
5	QPSK	12	13	25.50	25.49	25.43	25.60	25.45	26.5	
5	QPSK	25	0	25.70	25.85	25.62	25.66	25.46		
5	16QAM	1	0	25.50	25.74	25.60	25.63	25.59		
5	16QAM	1	12	25.54	25.67	25.49	25.45	25.63		
5	16QAM	1	24	25.67	25.72	25.52	25.53	25.81		
5	16QAM	12	0	24.22	24.20	24.21	23.88	24.16	25.5	
5	16QAM	12	7	24.26	24.24	24.05	24.06	24.04		
5	16QAM	12	13	24.15	24.40	24.28	24.12	23.85		
5	16QAM	25	0	24.23	24.18	23.91	24.05	24.20		
5	64QAM	1	0	24.20	24.30	24.22	24.06	24.01		
5	64QAM	1	12	24.01	24.21	24.12	24.08	24.09	24.5	
5	64QAM	1	24	24.16	23.99	24.25	23.75	24.02		
5	64QAM	12	0	23.27	23.16	23.11	22.97	22.91		
5	64QAM	12	7	23.11	23.19	23.12	22.89	22.90		
5	64QAM	12	13	23.10	23.07	23.08	22.96	22.96		
5	64QAM	25	0	23.30	23.25	22.84	23.05	22.89	22.5	
5	256QAM	1	0	21.62	20.85	21.29	20.93	21.08		
5	256QAM	1	0	21.10	20.80	20.84	20.87	20.82		
5	256QAM	1	24	21.23						

Band 41 PC3_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Line Mode Ch / Freq	Power Main Ch / Freq	Power High Main Ch / Freq	Power HP Ch / Freq	Time-up time (dBm)			
Channel				36760	40165	40620	41055	41490				
Frequency (MHz)				2668	2668.5	2669	2669.5	2670				
20	QPSK	1	0	23.74	23.58	23.59	23.58	23.51	25.5			
20	QPSK	1	40	23.70	23.46	23.50	23.51	23.50				
20	QPSK	1	80	23.73	23.50	23.55	23.54	23.50				
20	QPSK	50	0	23.30	22.98	23.20	23.05	23.04				
20	QPSK	50	24	23.21	22.98	23.18	22.96	23.03	24.5			
20	QPSK	50	50	23.23	22.92	23.14	22.90	22.99				
20	16QAM	1	0	23.55	23.34	23.64	23.53	23.38				
20	16QAM	1	40	23.50	23.21	23.54	22.82	23.31				
20	16QAM	50	0	23.57	23.24	23.62	23.09	23.30	24.5			
20	16QAM	50	24	22.85	22.43	22.62	22.51	22.48				
20	16QAM	50	24	22.88	22.42	22.61	22.48	22.49				
20	16QAM	50	50	22.90	22.38	22.62	22.42	22.45				
20	16QAM	100	0	22.95	22.43	22.51	22.21	22.47	23.5			
20	64QAM	1	0	22.57	22.44	22.68	22.57	22.39				
20	64QAM	1	40	22.52	22.28	22.54	22.39	22.38				
20	64QAM	1	80	22.58	22.27	22.56	22.14	22.42				
20	64QAM	50	0	21.85	21.65	21.63	21.71	21.68	22.5			
20	64QAM	50	24	21.87	21.63	21.62	21.68	21.68				
20	64QAM	50	50	21.86	21.59	21.79	21.63	21.64				
20	64QAM	100	0	21.70	21.54	21.74	21.58	21.60				
20	256QAM	1	0	19.60	19.36	19.62	19.50	19.42	20.5			
20	256QAM	1	40	19.65	19.36	19.52	19.11	19.42				
20	256QAM	1	80	19.65	19.67	19.84	19.26	19.75				
20	256QAM	50	0	19.67	19.63	19.81	19.47	19.69				
20	256QAM	50	24	19.68	19.62	19.81	19.41	19.67	20.5			
20	256QAM	50	50	19.61	19.59	19.78	19.34	19.65				
Channel <td>2662.5</td> <td>2663</td> <td>2663</td> <td>2663.5</td> <td>2663.5</td> <td colspan="2">Time-up time (dBm)</td>				2662.5	2663	2663	2663.5	2663.5			Time-up time (dBm)	
Frequency (MHz) <td>2503.5</td> <td>2504.3</td> <td>2503</td> <td>2503.8</td> <td>2502.5</td> <td colspan="2"></td>				2503.5	2504.3	2503	2503.8	2502.5				
15	QPSK	1	0	23.68	23.58	23.52	23.50	23.54	25.50			
15	QPSK	1	47	23.63	23.50	23.50	23.52	23.54				
15	QPSK	1	74	23.67	23.53	23.51	23.53	23.50				
15	QPSK	36	0	23.10	22.81	23.02	22.96	22.98				
15	QPSK	36	20	23.08	22.88	23.04	22.79	22.99	24.5			
15	QPSK	36	50	23.19	22.81	22.94	22.87	22.83				
15	QPSK	75	0	23.20	22.87	23.12	22.88	22.95				
15	16QAM	1	0	23.30	23.31	23.59	23.50	23.32				
15	16QAM	1	37	23.42	23.16	23.53	22.89	23.22	24.5			
15	16QAM	1	74	23.42	23.12	23.50	22.90	23.11				
15	16QAM	36	0	22.60	22.26	22.48	22.50	22.29				
15	16QAM	36	20	22.64	22.30	22.53	22.48	22.26				
15	16QAM	36	50	22.67	22.19	22.48	22.37	22.27	23.5			
15	16QAM	75	0	22.60	22.28	22.57	22.08	22.41				
15	64QAM	1	0	22.41	22.39	22.65	22.58	22.22				
15	64QAM	1	37	22.43	22.18	22.42	22.29	22.22				
15	64QAM	1	74	22.42	22.17	22.42	22.06	22.33	22.5			
15	64QAM	36	0	21.77	21.63	21.55	21.54	21.57				
15	64QAM	36	20	21.78	21.51	21.62	21.65	21.53				
15	64QAM	36	50	21.70	21.45	21.50	21.48	21.45				
15	64QAM	75	0	21.76	21.43	21.60	21.27	21.45	20.5			
15	256QAM	1	0	19.65	19.28	19.56	19.50	19.37				
15	256QAM	1	37	19.46	19.33	19.59	19.33	19.26				
15	256QAM	1	74	19.50	19.31	19.47	19.31	19.40				
15	256QAM	36	0	19.60	19.54	19.60	19.54	19.54	20.5			
15	256QAM	36	20	19.75	19.50	19.69	19.34	19.59				
15	256QAM	36	50	19.64	19.48	19.75	19.38	19.47				
15	256QAM	75	0	19.64	19.69	19.63	19.77	19.63				
Channel				36760	40166	40620	41080	41540	Time-up time (dBm)			
Frequency (MHz)				2662.5	2663	2663	2663.5	2663.5				
10	QPSK	1	0	23.69	23.53	23.51	23.56	23.59	25.50			
10	QPSK	1	25	23.64	23.53	23.50	23.54	23.50				
10	QPSK	1	40	23.68	23.50	23.51	23.54	23.56				
10	QPSK	25	0	23.22	22.81	23.01	23.02	23.04				
10	QPSK	25	12	23.03	22.95	23.02	22.85	23.02	24.5			
10	QPSK	25	35	23.03	22.76	23.14	22.71	22.98				
10	QPSK	50	0	23.14	22.85	23.18	22.97	22.91				
10	16QAM	1	0	23.40	23.20	23.56	23.36	23.59				
10	16QAM	1	25	23.38	23.08	23.58	23.00	23.30	24.5			
10	16QAM	1	40	23.40	23.18	23.42	23.02	23.13				
10	16QAM	25	0	22.40	22.32	22.52	22.36	22.38				
10	16QAM	25	12	22.68	22.25	22.52	22.34	22.37				
10	16QAM	25	25	22.66	22.20	22.60	22.26	22.30	23.5			
10	16QAM	50	0	22.63	22.31	22.58	22.14	22.40				
10	64QAM	1	0	22.51	22.44	22.54	22.41	22.36				
10	64QAM	1	25	22.41	22.14	22.49	22.21	22.32				
10	64QAM	1	40	22.57	22.22	22.59	21.96	22.30	22.5			
10	64QAM	25	0	21.79	21.54	21.72	21.53	21.65				
10	64QAM	25	12	21.74	21.62	21.71	21.63	21.52				
10	64QAM	25	25	21.83	21.42	21.71	21.61	21.48				
10	64QAM	50	0	21.61	21.38	21.62	21.24	21.50	20.5			
10	256QAM	1	0	19.65	19.38	19.62	19.53	19.46				
10	256QAM	1	25	19.48	19.30	19.61	19.50	19.32				
10	256QAM	1	40	19.45	19.30	19.48	19.03	19.25				
10	256QAM	25	0	19.73	19.60	19.64	19.16	19.54	20.5			
10	256QAM	25	12	19.72	19.58	19.67	19.34	19.57				
10	256QAM	25	25	19.70	19.61	19.61	19.41	19.66				
10	256QAM	50	0	19.70	19.43	19.65	19.79	19.60				
Channel				2662.5	2663	2663	2663.5	2663.5	Time-up time (dBm)			
Frequency (MHz)				2498.5	2498.8	2499	2499.3	2497.5				
5	QPSK	1	0	23.70	23.53	23.51	23.52	23.51	25.50			
5	QPSK	1	0	23.57	23.50	23.50	23.50	23.51				
5	QPSK	1	24	23.68	23.51	23.50	23.52	23.51				
5	QPSK	12	0	23.30	22.96	23.19	22.88	22.88				
5	QPSK	12	7	23.02	22.79	23.03	22.90	22.99	24.5			
5	QPSK	12	13	23.23	22.86	23.04	22.77	22.96				
5	QPSK	25	0	23.20	22.90	23.07	22.94	22.94				
5	16QAM	1	0	23.46	23.21	23.55	23.39	23.36				
5	16QAM	1	12	23.40	23.16	23.41	22.77	23.24	24.5			
5	16QAM	1	24	23.60	23.22	23.46	23.02	23.07				
5	16QAM	12	0	22.50	22.30	22.57	22.46	22.48				
5	16QAM	12	7	22.55	22.31	22.54	22.43	22.42				
5	16QAM	12	13	22.52	22.18	22.47	22.25	22.37	23.5			
5	16QAM	25	0	22.52	22.38	22.54	22.05	22.30				
5	64QAM	1	0	22.41	22.44	22.54	22.50	22.37				
5	64QAM	1	12	22.33	22.20	22.40	22.25	22.17				
5	64QAM	1	24	22.48	22.23	22.51	21.94	22.25	22.5			
5	64QAM	12	0	21.68	21.63	21.62	21.58	21.61				
5	64QAM	12	7	21.81	21.45	21.82	21.58	21.52				
5	64QAM	12	13	21.83	21.59	21.64	21.61	21.60				
5	64QAM	25	0	21.61	21.63	21.61	21.30	21.44	20.5			
5	256QAM	1	0	19.61	19.37	19.68	19.49	19.62				
5	256QAM	1	24	19.60	19.35	19.72	19.42	19.34				
5	256QAM	1	24	19.45	19.23	19.32	19.59	19.41				
5	256QAM	12	0	19.67	19.40	19.64	19.39	19.62	20.5			
5	256QAM	12	7	19.71	19.58	19.78	19.38	19.67				
5	256QAM	12	13	19.84	19.62	19.68	19.39	19.54				
5	256QAM	25	0	19.73	19.58	19.68	19.43	19.64				

Band 48_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power High Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (dBm)		
Channel				56340	56350	56350	56360			
Frequency (MHz)				56340	56350	56350	56360			
20	QPSK	1	0	23.03	23.73	23.81	23.89	25.5		
20	QPSK	1	49	23.00	23.61	23.60	23.69			
20	QPSK	1	99	23.02	23.67	23.65	23.56			
20	QPSK	50	24	23.29	23.42	23.39	23.33			
20	QPSK	50	50	23.24	23.34	23.32	23.25	24.5		
20	QPSK	100	0	23.27	23.33	23.37	23.41			
20	16QAM	1	0	23.07	23.33	23.38	23.14			
20	16QAM	1	49	23.20	23.30	23.17	23.32			
20	16QAM	1	99	23.21	23.14	23.15	23.26	24.5		
20	16QAM	50	0	22.12	22.30	22.41	22.36			
20	16QAM	50	24	22.26	22.29	22.34	22.32			
20	16QAM	100	0	22.11	22.28	22.32	22.31			
20	16QAM	100	0	22.15	22.31	22.35	22.32	23.5		
20	64QAM	1	0	21.70	22.37	22.55	22.08			
20	64QAM	1	49	21.61	21.92	22.32	22.12			
20	64QAM	1	99	21.59	21.77	22.02	22.02			
20	64QAM	50	0	21.14	21.31	21.31	21.36	22.5		
20	64QAM	50	24	21.24	21.31	21.33	21.30			
20	64QAM	50	50	21.13	21.27	21.28	21.21			
20	64QAM	100	0	21.16	21.27	21.35	21.29			
20	256QAM	1	0	18.96	18.63	18.91	18.92	20.5		
20	256QAM	1	49	18.85	18.63	19.01	19.29			
20	256QAM	1	99	18.91	18.63	18.13	19.01			
20	256QAM	50	0	19.34	19.37	19.44	19.47			
20	256QAM	50	24	19.38	19.46	19.48	19.52	20.5		
20	256QAM	50	50	19.38	19.43	19.51	19.55			
20	256QAM	100	0	19.29	19.28	19.37	19.46			
Channel				56375	56385	56385	56395			
Frequency (MHz)				56375	56385	56385	56395			
15	QPSK	1	0	23.67	23.85	23.88	23.83	25.5		
15	QPSK	1	37	23.51	23.72	23.83	23.57			
15	QPSK	1	74	23.71	23.69	23.68	23.64			
15	QPSK	36	0	23.37	23.34	23.40	23.34			
15	QPSK	36	20	23.19	23.28	23.37	23.34	24.5		
15	QPSK	36	39	23.13	23.41	23.39	23.28			
15	QPSK	15	0	23.25	23.38	23.33	23.45			
15	16QAM	1	0	23.14	23.41	23.32	23.35			
15	16QAM	1	37	23.08	23.32	23.30	23.36	24.5		
15	16QAM	1	74	23.08	23.02	23.08	23.01			
15	16QAM	36	0	22.20	22.25	22.32	22.28			
15	16QAM	36	20	22.13	22.23	22.27	22.25			
15	16QAM	36	39	22.02	22.30	22.33	22.22	23.5		
15	16QAM	75	0	22.07	22.29	22.38	22.30			
15	64QAM	1	0	22.07	21.99	22.09	22.53			
15	64QAM	1	37	22.25	22.30	22.16	22.03			
15	64QAM	1	74	21.72	21.68	22.09	22.26	22.5		
15	64QAM	36	0	21.11	21.31	21.32	21.21			
15	64QAM	36	20	21.14	21.25	21.33	21.25			
15	64QAM	36	39	21.13	21.25	21.16	21.02			
15	64QAM	75	0	21.24	21.38	21.29	21.25	20.5		
15	256QAM	1	0	18.90	18.80	18.84	18.92			
15	256QAM	1	37	18.75	18.81	18.99	18.96			
15	256QAM	1	74	18.81	18.90	19.04	18.94			
15	256QAM	36	0	19.31	19.35	19.34	19.40	20.5		
15	256QAM	36	20	19.31	19.35	19.42	19.47			
15	256QAM	36	39	19.33	19.35	19.44	19.53			
15	256QAM	75	0	19.25	19.21	19.31	19.39			
Channel				56400	56415	56485	56496			
Frequency (MHz)				56400	56415	56485	56496			
10	QPSK	1	0	23.99	23.75	23.86	23.77	25.5		
10	QPSK	1	25	23.52	23.75	23.61	23.62			
10	QPSK	1	46	23.66	23.70	23.75	23.66			
10	QPSK	25	0	23.30	23.39	23.46	23.36			
10	QPSK	25	12	23.24	23.40	23.31	23.35	24.5		
10	QPSK	25	25	23.16	23.41	23.38	23.31			
10	QPSK	50	0	23.31	23.36	23.37	23.41			
10	16QAM	1	0	23.17	23.33	23.46	23.28			
10	16QAM	1	25	23.31	23.32	23.18	23.36	24.5		
10	16QAM	1	49	23.14	23.15	23.30	23.34			
10	16QAM	25	0	22.22	22.31	22.40	22.35			
10	16QAM	25	12	22.11	22.37	22.39	22.32			
10	16QAM	25	25	22.21	22.32	22.30	22.28	23.5		
10	16QAM	50	0	22.20	22.29	22.30	22.23			
10	64QAM	1	0	21.78	22.22	22.28	22.07			
10	64QAM	1	25	22.04	22.12	22.54	22.14			
10	64QAM	1	49	21.88	22.08	21.98	22.09	22.5		
10	64QAM	25	0	21.09	21.26	21.34	21.28			
10	64QAM	25	12	21.09	21.14	21.32	21.29			
10	64QAM	25	25	21.16	21.28	21.28	21.37			
10	64QAM	50	0	21.13	21.25	21.34	21.28	20.5		
10	256QAM	1	0	18.80	18.80	18.79	18.85			
10	256QAM	1	25	18.74	18.79	18.62	18.89			
10	256QAM	1	46	18.70	18.80	18.68	18.87			
10	256QAM	25	0	19.28	19.27	19.30	19.33	20.5		
10	256QAM	25	12	19.31	19.28	19.37	19.43			
10	256QAM	25	25	19.27	19.35	19.41	19.50			
10	256QAM	50	0	19.18	19.16	19.25	19.39			
Channel				56505	56510	56576	56587			
Frequency (MHz)				56505	56510	56576	56587			
5	QPSK	1	0	23.52	23.74	23.88	23.78	25.5		
5	QPSK	1	12	23.54	23.65	23.80	23.73			
5	QPSK	1	24	23.68	23.69	23.76	23.66			
5	QPSK	12	0	23.08	23.28	23.35	23.26			
5	QPSK	12	7	23.07	23.36	23.27	23.33	24.5		
5	QPSK	12	13	23.19	23.27	23.35	23.22			
5	QPSK	25	0	23.10	23.27	23.36	23.26			
5	16QAM	1	0	22.88	23.34	23.45	23.39			
5	16QAM	1	12	22.95	23.27	23.33	23.28	24.5		
5	16QAM	1	24	22.95	23.19	23.29	23.26			
5	16QAM	12	0	22.07	22.17	22.22	22.22			
5	16QAM	12	7	21.86	22.21	22.30	22.23			
5	16QAM	12	13	21.09	22.14	22.22	22.16	23.5		
5	16QAM	25	0	22.14	22.42	22.34	22.36			
5	64QAM	1	0	21.72	22.21	22.13	21.86			
5	64QAM	1	12	22.17	22.19	22.11	21.91			
5	64QAM	1	24	22.18	21.83	22.15	22.08	22.5		
5	64QAM	12	0	21.06	21.24	21.32	21.16			
5	64QAM	12	7	21.14	21.29	21.26	21.20			
5	64QAM	12	13	20.96	21.25	21.15	21.16			
5	64QAM	25	0	21.09	21.25	21.30	21.29	20.5		
5	256QAM	1	0	18.80	18.80	18.69	18.76			
5	256QAM	1	12	18.72	18.70	18.67	18.84			
5	256QAM	1	24	18.71	18.68	18.92	18.78			
5	256QAM	12	0	19.29	19.20	19.29	19.27			
5	256QAM	12	7	19.22	19.20	19.27	19.35	20.5		
5	256QAM	12	13	19.24	19.33	19.38	19.45			
5	256QAM	25	0	19.08	19.14	19.23	19.36			

Band 41 PC2_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	Turn-up time (sec)
Channel				38750	40185	40620	41055	41490		
Frequency (MHz)				38750	39185	39620	40055	40490		
20	QPSK	1	0	25.82	25.89	25.80	25.81	25.84	25.9	
20	QPSK	1	48	25.73	25.82	25.72	25.88	25.87		
20	QPSK	1	96	25.63	25.76	25.65	25.88	25.88		
20	QPSK	50	0	25.74	25.81	25.70	25.73	25.82	25.9	
20	QPSK	50	24	25.71	25.81	25.62	25.83	25.82		
20	QPSK	50	50	25.50	25.87	25.50	25.60	25.62		
20	QPSK	100	0	25.82	25.87	25.73	25.74	25.82	25.9	
20	QPSK	100	0	25.65	25.82	25.62	25.85	25.81		
20	QPSK	1	48	25.50	25.76	25.64	25.81	25.83		
20	QPSK	1	96	25.69	25.78	25.65	25.83	25.81	25.5	
20	QPSK	50	0	24.27	24.39	24.24	24.38	24.21		
20	QPSK	50	24	24.40	24.29	24.09	24.20	24.20		
20	QPSK	50	50	24.26	24.43	24.26	24.41	24.26	25.5	
20	QPSK	100	0	24.42	24.54	24.05	24.10	24.21		
20	QPSK	1	0	24.26	24.44	24.26	24.11	24.05		
20	QPSK	1	48	24.10	24.38	24.22	24.21	24.21	24.5	
20	QPSK	1	96	24.34	24.11	24.25	23.91	24.07		
20	QPSK	50	0	23.37	23.17	23.31	23.06	23.06		
20	QPSK	50	24	23.24	23.31	23.31	23.09	23.05	24.5	
20	QPSK	50	50	23.33	23.09	23.20	23.12	23.13		
20	QPSK	100	0	23.51	23.33	23.00	23.07	23.05		
20	QPSK	1	0	21.61	20.92	21.35	21.01	21.16	22.5	
20	QPSK	1	48	21.29	20.99	20.97	21.07	20.99		
20	QPSK	1	96	21.25	20.79	21.00	20.83	20.80		
20	QPSK	50	0	21.25	21.20	21.34	21.09	21.05	22.5	
20	QPSK	50	24	21.41	21.43	21.14	21.11	21.27		
20	QPSK	50	50	21.43	21.27	21.44	21.28	21.25		
20	QPSK	100	0	21.17	21.15	21.25	21.09	21.27	22.5	
20	QPSK	100	0	21.22	21.13	21.22	21.13	21.13		
20	QPSK	100	0	38725	40173	40600	41046	41478		
Channel				38725	40173	40600	41046	41478		
15	QPSK	1	0	25.74	25.84	25.62	25.87	25.78	25.90	
15	QPSK	1	39	25.59	25.82	25.68	25.53	25.48		
15	QPSK	1	78	25.44	25.84	25.56	25.56	25.61		
15	QPSK	50	0	25.68	25.81	25.58	25.70	25.73	25.9	
15	QPSK	50	20	25.52	25.80	25.62	25.53	25.60		
15	QPSK	50	39	25.49	25.53	25.41	25.58	25.53		
15	QPSK	75	0	25.68	25.68	25.59	25.69	25.62	25.9	
15	QPSK	1	0	25.48	25.72	25.54	25.56	25.58		
15	QPSK	1	39	25.46	25.58	25.51	25.46	25.50		
15	QPSK	1	78	25.58	25.73	25.53	25.45	25.75	25.5	
15	QPSK	50	0	24.09	24.22	24.24	23.92	24.11		
15	QPSK	50	39	24.36	24.10	24.37	24.07	24.09		
15	QPSK	75	0	24.32	24.24	24.30	24.05	24.14	25.5	
15	QPSK	1	0	24.25	24.40	24.19	24.01	24.00		
15	QPSK	1	39	24.20	24.07	24.07	24.01	23.99		
15	QPSK	50	0	24.20	24.07	24.07	24.01	23.99	25.5	
15	QPSK	1	0	24.32	24.24	24.30	24.05	24.14		
15	QPSK	1	39	24.25	24.40	24.19	24.01	24.00		
15	QPSK	1	78	23.99	24.37	24.15	24.18	24.13	24.5	
15	QPSK	50	0	23.30	23.00	23.18	22.86	23.04		
15	QPSK	50	39	23.27	23.17	22.88	23.05	22.80		
15	QPSK	1	0	21.45	20.81	21.18	21.01	21.02	22.5	
15	QPSK	50	0	21.14	20.99	20.86	20.83	20.87		
15	QPSK	50	39	21.12	20.99	20.97	20.74	20.75		
15	QPSK	75	0	21.17	21.08	21.07	20.85	20.82	22.5	
15	QPSK	1	0	21.30	21.23	21.04	21.09	21.14		
15	QPSK	1	39	21.34	21.17	21.31	21.12	20.89		
15	QPSK	75	0	21.04	21.08	21.00	20.88	21.25	22.5	
15	QPSK	100	0	38750	40185	40620	41055	41490		
Channel				38750	40185	40620	41055	41490		
10	QPSK	1	0	25.74	25.84	25.62	25.87	25.83	25.90	
10	QPSK	1	25	25.57	25.82	25.65	25.85	25.48		
10	QPSK	1	49	25.51	25.86	25.55	25.81	25.60		
10	QPSK	25	0	25.54	25.73	25.62	25.53	25.70	25.9	
10	QPSK	25	12	25.64	25.63	25.51	25.49	25.43		
10	QPSK	25	24	25.45	25.59	25.45	25.55	25.44		
10	QPSK	50	0	25.62	25.73	25.67	25.69	25.76	25.9	
10	QPSK	1	0	25.56	25.71	25.42	25.64	25.59		
10	QPSK	1	39	25.59	25.78	25.62	25.51	25.69		
10	QPSK	1	49	25.59	25.78	25.62	25.51	25.69	25.5	
10	QPSK	25	0	24.15	24.22	24.00	23.90	24.21		
10	QPSK	25	12	24.36	24.27	24.06	24.12	24.05		
10	QPSK	25	24	24.16	24.24	24.25	24.17	23.86	25.5	
10	QPSK	50	0	24.40	24.24	23.93	24.03	24.03		
10	QPSK	1	0	24.23	24.38	24.21	23.94	23.97		
10	QPSK	1	25	24.12	24.31	24.10	24.16	24.21	25.5	
10	QPSK	25	12	24.22	24.08	24.09	23.72	24.03		
10	QPSK	25	24	23.34	23.10	23.28	23.03	23.00		
10	QPSK	50	0	23.18	23.31	22.89	22.88	22.84	22.5	
10	QPSK	50	12	21.46	20.75	21.22	20.88	21.16		
10	QPSK	25	12	21.20	20.85	20.82	20.98	20.82		
10	QPSK	25	24	21.30	21.19	21.35	21.23	20.80	22.5	
10	QPSK	50	0	21.01	21.02	21.19	21.03	21.23		
10	QPSK	50	0	3889.5	3944.8	3999.1	4044.0	4099.5		
Channel				3889.5	3944.8	3999.1	4044.0	4099.5		
5	QPSK	1	0	25.72	25.75	25.80	25.62	25.76	25.90	
5	QPSK	1	12	25.67	25.76	25.61	25.87	25.52		
5	QPSK	1	24	25.52	25.68	25.52	25.49	25.54		
5	QPSK	12	0	25.58	25.69	25.59	25.53	25.63	25.9	
5	QPSK	12	7	25.71	25.69	25.58	25.49	25.55		
5	QPSK	12	15	25.56	25.49	25.43	25.60	25.40		
5	QPSK	25	0	25.78	25.85	25.62	25.46	25.60	25.9	
5	QPSK	25	0	25.50	25.74	25.60	25.53	25.58		
5	QPSK	1	12	25.54	25.67	25.49	25.45	25.63		
5	QPSK	1	24	25.67	25.72	25.62	25.53	25.81	25.5	
5	QPSK	12	0	24.22	24.20	24.21	23.88	24.16		
5	QPSK	12	7	24.28	24.24	24.02	24.05	24.04		
5	QPSK	12	15	24.18	24.40	24.28	24.12	23.85	25.5	
5	QPSK	25	0	24.23	24.18	23.91	24.05	24.20		
5	QPSK	1	0	24.20	24.28	24.22	24.06	24.01		
5	QPSK	1	12	24.01	24.21	24.12	24.08	24.08	24.5	
5	QPSK	1	24	24.19	23.99	24.25	23.75	24.02		
5	QPSK	12	7	23.27	23.16	23.11	22.97	22.91		
5	QPSK	12	15	23.11	23.19	23.12	22.89	22.80	24.5	
5	QPSK	25	0	23.16	23.07	23.08	22.86	22.88		
5	QPSK	25	0	23.30	23.25	22.84	23.05	22.88		
5	QPSK	1	0	21.52	20.85	21.29	20.93	21.08	22.5	
5	QPSK	1	12	21.51	21.18	21.24	20.84	21.03		
5	QPSK	1	24	21.25	20.67	20.89	20.72	20.88		
5	QPSK	12	0	21.05	21.02	21.14	20.88	21.08	22.5	
5	QPSK	12	7	21.14	21.17	21.14	20.84	21.03		
5	QPSK	12	15	21.41	21.27	21.32	21.22	20.83		
5	QPSK	25	0	21.30	21.25	20.84	21.05	20.88	22.5	

Band 41 PC3_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Wds (dBm)	
Channel										
Frequency (MHz)				39750	39435	39950	40165	41060		
20	QPSK	1	0	23.74	23.59	23.59	23.58	23.51		
20	QPSK	1	48	23.70	23.54	23.59	23.52	23.50		24.3
20	QPSK	1	96	23.73	23.50	23.50	23.54	23.50		
20	QPSK	50	0	23.30	22.98	23.20	23.05	23.04		
20	QPSK	50	24	23.21	22.98	23.15	22.96	23.00		24.3
20	QPSK	50	96	23.23	22.92	23.14	22.96	23.00		
20	QPSK	100	0	23.32	23.02	23.21	23.07	23.08		
20	16QAM	1	0	23.52	23.34	23.54	23.53	23.35		
20	16QAM	1	48	23.50	23.21	23.54	22.82	23.31		24.3
20	16QAM	1	96	23.57	23.24	23.52	23.09	23.30		
20	16QAM	50	0	22.85	22.43	22.82	22.51	22.48		
20	16QAM	50	24	22.68	22.42	22.81	22.49	22.48		23.5
20	16QAM	50	96	22.68	22.38	22.82	22.42	22.48		
20	16QAM	100	0	22.85	22.43	22.83	22.71	22.71		
20	16QAM	1	0	22.57	22.44	22.88	22.57	22.59		23.5
20	16QAM	1	48	22.52	22.38	22.54	22.38	22.35		
20	16QAM	1	96	22.58	22.27	22.56	22.14	22.42		
20	16QAM	50	0	21.85	21.65	21.83	21.71	21.68		22.5
20	16QAM	50	24	21.87	21.63	21.82	21.68	21.65		
20	16QAM	50	96	21.85	21.59	21.79	21.63	21.64		
20	16QAM	100	0	21.79	21.54	21.74	21.36	21.60		
20	256QAM	1	0	19.65	19.41	19.70	19.60	19.54		
20	256QAM	1	48	19.60	19.36	19.62	19.50	19.42		20.5
20	256QAM	1	96	19.65	19.36	19.62	19.11	19.42		
20	256QAM	50	0	19.65	19.67	19.64	19.26	19.70		
20	256QAM	50	24	19.87	19.63	19.81	19.47	19.69		20.5
20	256QAM	50	96	19.86	19.62	19.81	19.41	19.67		
20	256QAM	100	0	19.81	19.59	19.78	19.34	19.65		
Channel										
Frequency (MHz)				2503.5	2468.3	2493.0	2537.8	2602.1		
15	QPSK	1	0	23.68	23.58	23.52	23.50	23.54		
15	QPSK	1	36	23.53	23.50	23.50	23.52	23.54		24.30
15	QPSK	1	74	23.67	23.53	23.51	23.53	23.50		
15	QPSK	36	0	23.10	22.81	23.02	22.96	22.80		
15	QPSK	36	20	23.08	22.80	23.04	22.79	22.58		24.3
15	QPSK	36	36	23.19	22.81	22.94	22.67	22.63		
15	QPSK	75	0	23.20	22.97	23.12	22.88	22.85		
15	16QAM	1	0	23.36	23.31	23.59	23.50	23.32		24.3
15	16QAM	1	36	23.42	23.18	23.53	22.69	23.22		
15	16QAM	36	0	23.42	23.12	23.50	22.90	23.11		
15	16QAM	36	0	22.60	22.26	22.48	22.50	22.29		
15	16QAM	36	36	22.54	22.26	22.53	22.48	22.29		
15	16QAM	36	36	22.67	22.19	22.48	22.37	22.27		23.5
15	16QAM	75	0	22.60	22.28	22.57	22.08	22.41		
15	16QAM	1	0	22.44	22.39	22.66	22.58	22.22		
15	16QAM	1	36	22.43	22.18	22.42	22.29	22.22		23.5
15	16QAM	36	0	22.43	22.17	22.41	22.36	22.22		
15	16QAM	36	6	21.77	21.63	21.65	21.54	21.57		
15	16QAM	36	20	21.78	21.51	21.82	21.46	21.53		22.5
15	16QAM	36	36	21.70	21.45	21.59	21.46	21.45		
15	16QAM	75	0	21.76	21.43	21.80	21.27	21.43		
15	256QAM	1	0	19.65	19.28	19.56	19.50	19.21		
15	256QAM	1	36	19.46	19.33	19.59	19.33	19.26		20.5
15	256QAM	1	74	19.59	19.31	19.47	19.31	19.40		
15	256QAM	36	0	19.66	19.34	19.56	19.25	19.25		
15	256QAM	36	20	19.75	19.50	19.65	19.34	19.59		20.5
15	256QAM	36	36	19.84	19.48	19.75	19.38	19.47		
15	256QAM	75	0	19.64	19.59	19.63	19.77	19.63		
Channel										
Frequency (MHz)				39700	40160	40620	41060	41560		
10	QPSK	1	0	23.68	23.53	23.51	23.56	23.50		
10	QPSK	1	20	23.64	23.53	23.50	23.54	23.50		24.30
10	QPSK	1	40	23.66	23.50	23.51	23.54	23.50		
10	QPSK	25	0	23.22	22.81	23.01	23.02	23.04		
10	QPSK	25	12	23.03	22.95	23.02	22.85	23.02		24.3
10	QPSK	25	7	23.03	22.76	23.14	22.71	22.88		
10	QPSK	50	0	23.14	22.85	23.18	22.97	22.91		
10	16QAM	1	0	23.40	23.30	23.50	23.50	23.39		24.3
10	16QAM	1	20	23.38	23.06	23.38	22.80	23.35		
10	16QAM	1	40	23.45	23.18	23.42	23.02	23.13		
10	16QAM	25	0	22.49	22.32	22.52	22.35	22.38		
10	16QAM	25	12	22.66	22.25	22.52	22.34	22.37		23.5
10	16QAM	25	20	22.68	22.25	22.65	22.26	22.30		
10	16QAM	50	0	22.53	22.31	22.58	22.14	22.40		
10	16QAM	1	0	22.51	22.44	22.54	22.41	22.38		23.5
10	16QAM	1	20	22.44	22.14	22.49	22.21	22.32		
10	16QAM	1	40	22.57	22.22	22.35	21.96	22.30		
10	16QAM	25	0	21.76	21.54	21.72	21.53	21.65		22.5
10	16QAM	25	12	21.74	21.52	21.71	21.63	21.62		
10	16QAM	25	20	21.83	21.42	21.71	21.81	21.48		
10	16QAM	50	0	21.81	21.38	21.62	21.24	21.50		
10	256QAM	1	0	19.65	19.38	19.62	19.53	19.48		
10	256QAM	1	20	19.46	19.30	19.61	19.50	19.52		20.5
10	256QAM	1	40	19.46	19.30	19.46	19.03	19.25		
10	256QAM	25	0	19.73	19.60	19.64	19.16	19.54		
10	256QAM	25	12	19.72	19.58	19.67	19.34	19.57		20.5
10	256QAM	25	20	19.79	19.61	19.81	19.41	19.66		
10	256QAM	50	0	19.75	19.43	19.65	19.79	19.65		
Channel										
Frequency (MHz)				2489.5	2544.9	2599.0	2640.3	2697.5		
5	QPSK	1	0	23.70	23.53	23.51	23.52	23.51		24.30
5	QPSK	1	10	23.67	23.50	23.50	23.50	23.51		
5	QPSK	1	24	23.88	23.61	23.50	23.82	23.51		
5	QPSK	12	0	23.30	22.86	23.10	22.88	22.88		
5	QPSK	12	7	23.02	22.79	23.00	22.80	22.89		24.3
5	QPSK	12	15	23.23	22.88	23.04	22.77	22.86		
5	QPSK	25	0	23.50	22.90	23.07	22.91	22.94		
5	16QAM	1	0	23.46	23.21	23.55	23.39	23.26		
5	16QAM	1	12	23.40	23.18	23.41	22.77	23.24		24.3
5	16QAM	1	24	23.50	23.22	23.46	22.92	23.27		
5	16QAM	12	0	22.50	22.30	22.57	22.46	22.48		
5	16QAM	12	7	22.59	22.31	22.54	22.43	22.42		23.5
5	16QAM	12	15	22.52	22.18	22.47	22.25	22.37		
5	16QAM	25	0	22.62	22.38	22.54	22.05	22.30		
5	16QAM	1	0	22.41	22.44	22.54	22.40	22.27		23.5
5	16QAM	1	12	22.33	22.20	22.40	22.25	22.17		
5	16QAM	1	24	22.48	22.23	22.31	21.94	22.23		
5	16QAM	12	0	21.66	21.63	21.52	21.58	21.61		
5	16QAM	12	7	21.81	21.45	21.62	21.38	21.62		22.5
5	16QAM	12	15	21.63	21.59	21.54	21.61	21.60		
5	16QAM	25	0	21.61	21.53	21.60	21.30	21.44		
5	256QAM	1	0	19.61	19.37	19.68	19.40	19.50		20.5
5	256QAM	1	12	19.60	19.25	19.67	19.40	19.34		
5	256QAM	1	24	19.45	19.23	19.32	18.99	19.41		
5	256QAM	12	0	19.67	19.49	19.64	19.08	19.62		
5	256QAM	12	7	19.71	19.62	19.79	19.33	19.67		20.5
5	256QAM	12	15	19.84	19.62	19.66	19.39	19.54		
5	256QAM	25	0	19.75	19.54	19.69	19.45	19.64		



Band 48_Ant 6										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up Wds (dBm)		
Channel				55540	55550	56150	56650			
Frequency (MHz)				3640	3640	3640	3640			
20	QPSK	1	0	23.83	23.73	23.81	23.89	25.2		
20	QPSK	1	49	23.80	23.81	23.89	23.88			
20	QPSK	1	99	23.82	23.83	23.85	23.88			
20	QPSK	50	0	23.29	23.42	23.45	23.39			
20	QPSK	50	24	23.28	23.42	23.39	23.33	24.5		
20	QPSK	50	50	23.24	23.34	23.28	23.23			
20	16QAM	1	0	23.27	23.13	23.38	23.14			
20	16QAM	1	49	23.20	23.30	23.17	23.32			
20	16QAM	1	99	23.21	23.14	23.15	23.28	24.5		
20	16QAM	50	0	22.12	22.30	22.41	22.36			
20	16QAM	50	24	22.26	22.29	22.34	22.52			
20	16QAM	25	0	22.11	22.25	22.35	22.52			
20	16QAM	100	0	22.15	22.23	22.38	22.52	23.5		
20	64QAM	1	0	21.70	22.37	22.55	22.68			
20	64QAM	1	49	21.81	21.80	22.32	22.15			
20	64QAM	1	99	21.99	21.77	22.55	22.52	23.5		
20	64QAM	50	0	21.14	21.31	21.31	21.28			
20	64QAM	50	24	21.24	21.31	21.33	21.39			
20	64QAM	50	50	21.13	21.27	21.26	21.21			
20	64QAM	100	0	21.16	21.27	21.35	21.23	22.5		
20	256QAM	1	0	18.85	18.83	19.01	18.99			
20	256QAM	1	49	18.81	18.83	19.13	18.91			
20	256QAM	1	99	18.94	19.07	19.18	19.04	20.5		
20	256QAM	50	0	19.36	19.40	19.48	19.52			
20	256QAM	50	24	19.38	19.43	19.51	19.55			
20	256QAM	100	0	19.29	19.28	19.37	19.48			
Channel				55515	55520	56150	56650	Turn-up Wds (dBm)		
Frequency (MHz)				3657.5	3658	3642	3652.5			
15	QPSK	1	0	23.87	23.85	23.88	23.83	25.2		
15	QPSK	1	37	23.81	23.72	23.83	23.87			
15	QPSK	1	74	23.71	23.69	23.68	23.64			
15	QPSK	50	0	23.27	23.34	23.40	23.34			
15	QPSK	50	20	23.19	23.28	23.37	23.34	24.5		
15	QPSK	50	39	23.13	23.41	23.39	23.28			
15	QPSK	75	0	23.25	23.38	23.33	23.40			
15	16QAM	1	0	23.14	23.41	23.32	23.39	24.5		
15	16QAM	1	37	23.08	23.32	23.50	23.36			
15	16QAM	74	0	23.08	23.00	22.88	23.01			
15	16QAM	36	0	22.30	22.25	22.32	22.38			
15	16QAM	20	0	22.12	22.25	22.21	22.23	23.5		
15	16QAM	36	39	22.02	22.30	22.33	22.23			
15	16QAM	75	0	22.07	22.25	22.38	22.35			
15	64QAM	1	0	22.07	21.99	22.09	22.53			
15	64QAM	1	37	22.25	22.30	22.16	22.03	23.5		
15	64QAM	74	0	21.22	21.66	22.06	22.02			
15	64QAM	36	0	21.11	21.31	21.05	21.21			
15	64QAM	36	20	21.14	21.25	21.33	21.25	22.5		
15	64QAM	39	0	21.13	21.20	21.15	21.22			
15	64QAM	75	0	21.04	21.38	21.29	21.25			
15	256QAM	1	0	18.90	18.80	18.84	18.92	20.5		
15	256QAM	1	37	18.75	18.81	18.90	18.95			
15	256QAM	1	74	18.81	18.90	19.04	18.94			
15	256QAM	50	0	19.31	19.35	19.42	19.45			
15	256QAM	36	20	19.33	19.35	19.44	19.53	20.5		
15	256QAM	36	39	19.33	19.35	19.44	19.53			
15	256QAM	75	0	19.25	19.21	19.31	19.39			
Channel				55590	55595	56165	56660	Turn-up Wds (dBm)		
Frequency (MHz)				3659.5	3659.5	3642.5	3659.5			
10	QPSK	1	0	23.59	23.70	23.88	23.77	25.2		
10	QPSK	1	25	23.52	23.70	23.81	23.82			
10	QPSK	1	49	23.66	23.70	23.75	23.68			
10	QPSK	25	0	23.30	23.39	23.46	23.38			
10	QPSK	25	12	23.24	23.40	23.31	23.35	24.5		
10	QPSK	25	25	23.16	23.41	23.38	23.31			
10	QPSK	50	0	23.31	23.36	23.37	23.41			
10	16QAM	1	0	23.17	23.18	23.48	23.23	24.5		
10	16QAM	1	25	22.83	23.12	23.18	23.28			
10	16QAM	1	49	23.14	23.15	23.30	23.34			
10	16QAM	25	0	22.22	22.31	22.40	22.35			
10	16QAM	25	12	22.11	22.37	22.39	22.32	23.5		
10	16QAM	25	25	22.21	22.32	22.30	22.28			
10	16QAM	50	0	22.20	22.28	22.30	22.23			
10	64QAM	1	0	21.78	22.22	22.26	22.67	23.5		
10	64QAM	1	25	22.04	22.10	22.04	22.14			
10	64QAM	1	49	21.89	22.08	21.98	22.09			
10	64QAM	25	0	21.09	21.28	21.34	21.28	22.5		
10	64QAM	25	12	21.09	21.14	21.35	21.29			
10	64QAM	25	25	21.16	21.28	21.28	21.37			
10	64QAM	50	0	21.13	21.25	21.34	21.28			
10	256QAM	1	0	18.80	18.80	18.79	18.85	20.5		
10	256QAM	1	25	18.74	18.79	18.92	18.89			
10	256QAM	1	49	18.76	18.90	19.00	18.87			
10	256QAM	25	0	19.28	19.27	19.30	19.33			
10	256QAM	25	12	19.31	19.28	19.37	19.43	20.5		
10	256QAM	25	25	19.27	19.35	19.41	19.50			
10	256QAM	50	0	19.18	19.19	19.23	19.59			
Channel				55595	55595	56170	56675	Turn-up Wds (dBm)		
Frequency (MHz)				3659.5	3659.5	3643	3659.5			
5	QPSK	1	0	23.52	23.74	23.88	23.78	25.2		
5	QPSK	1	12	23.54	23.69	23.80	23.73			
5	QPSK	1	24	23.68	23.80	23.75	23.68			
5	QPSK	12	0	23.68	23.28	23.35	23.26			
5	QPSK	12	7	23.07	23.35	23.27	23.35	24.5		
5	QPSK	12	13	23.19	23.22	23.35	23.20			
5	QPSK	25	0	23.19	23.37	23.30	23.29			
5	16QAM	1	0	22.89	23.34	23.46	23.38	24.5		
5	16QAM	1	12	22.95	23.27	23.33	23.28			
5	16QAM	1	24	22.95	23.19	23.09	23.26			
5	16QAM	12	0	22.97	22.17	22.22	22.22			
5	16QAM	12	7	21.98	22.21	22.50	22.23	23.5		
5	16QAM	12	13	21.09	22.14	22.22	22.16			
5	16QAM	25	0	22.14	22.42	22.34	22.38			
5	64QAM	1	0	21.72	22.21	22.13	21.89	23.5		
5	64QAM	1	12	22.17	22.19	22.11	21.91			
5	64QAM	1	24	22.18	21.83	22.15	22.08			
5	64QAM	12	0	21.06	21.24	21.32	21.18			
5	64QAM	12	7	21.14	21.29	21.26	21.20	22.5		
5	64QAM	12	13	20.98	21.25	21.15	21.10			
5	64QAM	25	0	21.09	21.25	21.30	21.28			
5	256QAM	1	0	18.80	18.80	18.69	18.78	20.5		
5	256QAM	1	12	18.72	18.70	18.87	18.84			
5	256QAM	1	24	18.71	18.86	18.82	18.78			
5	256QAM	12	0	19.25	19.20	19.27	19.35			
5	256QAM	12	7	19.22	19.20	19.27	19.35	20.5		
5	256QAM	12	13	19.24	19.33	19.38	19.45			
5	256QAM	25	0	19.08	19.14	19.23	19.30			



Band 41 PC2_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High-Mid Ch / Freq	Power High-High Ch / Freq	Turn-up Wds (dBm)		
Channel				38700	40165	40600	41065	41460			
Frequency (MHz)				38700	39435	39900	40410	40940			
20	QPSK	1	0	24.70	24.80	24.82	24.80	24.85	26.0		
20	QPSK	1	48	24.71	24.85	24.83	24.86	24.89			
20	QPSK	1	96	24.65	24.81	24.80	24.85	24.83			
20	QPSK	50	0	23.72	23.76	23.84	23.86	23.75			
20	QPSK	50	24	23.76	23.77	23.85	23.77	23.74	25.6		
20	QPSK	50	96	23.75	23.76	23.82	23.72	23.71			
20	QPSK	100	0	23.80	23.72	23.85	23.73	23.74			
20	16QAM	1	0	23.77	23.85	23.85	23.84	23.80			
20	16QAM	1	48	23.71	23.80	23.84	23.86	23.87	25.6		
20	16QAM	1	96	23.89	23.80	23.84	23.88	23.87			
20	16QAM	50	0	22.72	22.71	22.80	22.87	22.79			
20	16QAM	50	24	22.74	22.72	22.84	22.71	22.72			
20	16QAM	50	96	22.75	22.71	22.81	22.74	22.73	24.6		
20	16QAM	100	0	22.75	22.70	22.85	22.71	22.72			
20	16QAM	1	0	22.85	22.80	22.82	22.87	22.87			
20	16QAM	1	48	22.79	22.80	22.83	22.83	22.85			
20	16QAM	1	96	22.78	22.81	22.82	22.78	22.80	23.8		
20	16QAM	50	0	21.72	21.69	21.85	21.85	21.71			
20	16QAM	50	24	21.71	21.71	21.82	21.88	21.75			
20	16QAM	50	96	21.73	21.88	21.81	21.70	21.68			
20	16QAM	100	0	21.73	21.86	21.82	21.89	21.73	21.6		
20	256QAM	1	0	19.83	19.84	19.78	19.88	19.78			
20	256QAM	1	48	19.71	19.80	19.82	19.79	19.75			
20	256QAM	1	96	19.84	19.81	19.81	19.85	19.85			
20	256QAM	50	0	19.95	19.87	19.93	19.79	19.87	21.6		
20	256QAM	50	24	19.93	19.85	19.89	19.78	19.85			
20	256QAM	50	96	19.89	19.88	19.84	19.77	19.82			
20	256QAM	100	0	19.85	19.81	19.82	19.75	19.78			
Channel				39725	40713	40620	41090	41515	Turn-up Wds (dBm)		
Frequency (MHz)				39725	40458.3	40713	40970	41225			
15	QPSK	1	0	24.69	24.83	24.81	24.81	24.85	26.0		
15	QPSK	1	39	24.68	24.84	24.82	24.87	24.87			
15	QPSK	1	74	24.66	24.80	24.80	24.88	24.83			
15	QPSK	36	0	23.76	23.81	23.87	23.89	23.73			
15	QPSK	36	20	23.79	23.77	23.81	23.73	23.78	25.6		
15	QPSK	36	39	23.78	23.75	23.82	23.88	23.68			
15	QPSK	75	0	23.75	23.88	23.83	23.74	23.77			
15	16QAM	1	0	23.76	23.82	23.87	23.85	23.88			
15	16QAM	1	39	23.70	23.80	23.86	23.87	23.68	25.6		
15	16QAM	36	0	23.82	23.82	23.81	23.89	23.87			
15	16QAM	36	5	22.72	22.76	22.80	22.88	22.71			
15	16QAM	36	39	22.79	22.71	22.87	22.71	22.77			
15	16QAM	36	75	22.72	22.86	22.81	22.78	22.87	24.6		
15	16QAM	75	0	22.78	22.70	22.82	22.88	22.72			
15	16QAM	1	0	22.89	22.84	22.89	22.88	22.89			
15	16QAM	1	39	22.74	22.80	22.88	22.82	22.80			
15	16QAM	36	0	22.81	22.86	22.86	22.74	22.80	24.6		
15	16QAM	36	5	21.72	21.72	21.81	21.82	21.74			
15	16QAM	36	20	21.74	21.67	21.80	21.87	21.78			
15	16QAM	36	39	21.69	21.72	21.81	21.85	21.65			
15	16QAM	75	0	21.89	21.82	21.80	21.88	21.70	23.6		
15	256QAM	1	0	19.85	19.83	19.72	19.85	19.81			
15	256QAM	1	39	19.71	19.85	19.87	19.81	19.71			
15	256QAM	1	74	19.83	19.80	19.80	19.80	19.84			
15	256QAM	36	0	19.88	19.85	19.85	19.78	19.80	21.6		
15	256QAM	36	20	19.92	19.80	19.85	19.75	19.89			
15	256QAM	36	39	19.90	19.88	19.83	19.79	19.77			
15	256QAM	75	0	19.82	19.80	19.78	19.74	19.77			
Channel				38700	40165	40600	41060	41460	Turn-up Wds (dBm)		
Frequency (MHz)				38700	39435	39900	40410	40940			
10	QPSK	1	0	24.68	24.83	24.82	24.80	24.85	26.0		
10	QPSK	1	25	24.71	24.85	24.88	24.83	24.71			
10	QPSK	1	48	24.86	24.85	24.81	24.86	24.83			
10	QPSK	25	0	23.69	23.71	23.84	23.87	23.73			
10	QPSK	25	12	23.79	23.75	23.71	23.74	23.73	25.6		
10	QPSK	25	7	23.79	23.79	23.81	23.75	23.71			
10	QPSK	50	0	23.80	23.71	23.70	23.74	23.73			
10	QPSK	1	0	23.89	23.82	23.81	23.81	23.82			
10	16QAM	1	0	23.76	23.80	23.83	23.70	23.75	25.6		
10	16QAM	1	48	23.84	23.82	23.79	23.93	23.89			
10	16QAM	25	0	22.73	22.73	22.85	22.84	22.74			
10	16QAM	25	12	22.72	22.76	22.82	22.75	22.70			
10	16QAM	25	25	22.74	22.75	22.85	22.73	22.67	24.6		
10	16QAM	80	0	22.78	22.74	22.86	22.75	22.67			
10	16QAM	1	0	22.88	22.80	22.82	22.92	22.84			
10	16QAM	1	25	22.81	22.83	22.84	22.86	22.89			
10	16QAM	1	48	22.73	22.81	22.85	22.79	22.81	24.6		
10	16QAM	25	0	21.74	21.69	21.85	21.80	21.69			
10	16QAM	25	12	21.68	21.70	21.87	21.88	21.74			
10	16QAM	25	25	21.75	21.86	21.80	21.72	21.83			
10	16QAM	50	0	21.78	21.84	21.87	21.84	21.75	23.6		
10	256QAM	1	0	19.79	19.80	19.78	19.84	19.77			
10	256QAM	1	25	19.72	19.80	19.81	19.78	19.75			
10	256QAM	1	48	19.81	19.84	19.82	19.82	19.85			
10	256QAM	25	0	19.95	19.82	19.88	19.78	19.83	21.6		
10	256QAM	25	12	19.93	19.85	19.92	19.79	19.89			
10	256QAM	25	25	19.85	19.72	19.87	19.80	19.81			
10	256QAM	50	0	19.88	19.80	19.81	19.73	19.82			
Channel				2889.5	2944.8	2990	3040.30	3087.5	Turn-up Wds (dBm)		
Frequency (MHz)				2889.5	2944.8	2990	3040.30	3087.5			
5	QPSK	1	0	24.71	24.81	24.80	24.80	24.88	26.0		
5	QPSK	1	15	24.70	24.82	24.80	24.85	24.71			
5	QPSK	1	24	24.82	24.81	24.84	24.75	24.84			
5	QPSK	12	0	23.75	23.80	23.82	23.70	23.71			
5	QPSK	12	7	23.78	23.72	23.85	23.68	23.71	25.6		
5	QPSK	12	15	23.80	23.75	23.80	23.67	23.75			
5	QPSK	25	0	23.83	23.76	23.70	23.76	23.72			
5	16QAM	1	0	23.79	23.90	23.90	23.88	23.89			
5	16QAM	1	12	23.75	23.80	23.81	23.67	23.69	25.6		
5	16QAM	1	24	23.93	23.80	23.88	23.88	23.84			
5	16QAM	12	0	22.71	22.76	22.67	22.83	22.74			
5	16QAM	12	7	22.72	22.88	22.89	22.71	22.73			
5	16QAM	12	15	22.76	22.88	22.86	22.75	22.75	24.6		
5	16QAM	25	0	22.80	22.75	22.83	22.89	22.88			
5	16QAM	1	0	22.84	22.80	22.80	22.83	22.84			
5	16QAM	1	12	22.83	22.80	22.86	22.80	22.83			
5	16QAM	1	24	22.81	22.80	22.88	22.73	22.81	23.6		
5	16QAM	12	0	21.75	21.87	21.81	21.83	21.87			
5	16QAM	12	7	21.74	21.75	21.80	21.71	21.72			
5	16QAM	12	15	21.73	21.86	21.86	21.75	21.68			
5	16QAM	25	0	21.70	21.83	21.85	21.65	21.72	21.6		
5	256QAM	1	0	19.84	19.80	19.75	19.83	19.73			
5	256QAM	1	12	19.73	19.81	19.84	19.82	19.71			

Band 41 PC3_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.83	22.87	22.83	22.81	22.83	24.5	
20	QPSK	1	48	22.89	22.89	22.89	22.89	22.89		
20	QPSK	1	96	22.97	22.99	22.94	22.90	22.90		
20	QPSK	50	0	21.77	21.74	21.54	21.53	21.60	23.5	
20	QPSK	50	24	21.76	21.76	21.56	21.56	21.60		
20	QPSK	50	96	21.76	21.74	21.53	21.58	21.55		
20	QPSK	100	0	21.73	21.77	21.51	21.57	21.57		
20	QPSK	1	0	21.73	21.59	21.61	21.52	21.58	23.5	
20	16QAM	1	48	21.72	21.54	21.58	21.50	21.52		
20	16QAM	1	96	21.76	21.61	21.66	21.51	21.58		
20	16QAM	50	0	20.75	20.87	20.54	20.53	20.58	22.5	
20	16QAM	50	24	20.79	20.68	20.54	20.57	20.57		
20	16QAM	50	96	20.77	20.68	20.56	20.50	20.52		
20	16QAM	100	0	20.77	20.72	20.55	20.57	20.55		
20	16QAM	1	0	20.62	20.52	20.54	20.56	20.54	22.5	
20	16QAM	1	48	20.68	20.50	20.57	20.57	20.55		
20	16QAM	1	96	20.70	20.62	20.63	20.59	20.55		
20	16QAM	50	0	19.72	19.67	19.54	19.51	19.54	21.5	
20	16QAM	50	24	19.76	19.70	19.55	19.56	19.55		
20	16QAM	50	96	19.75	19.69	19.54	19.55	19.53		
20	16QAM	100	0	19.74	19.66	19.54	19.54	19.52		
20	256QAM	1	0	17.75	17.50	17.70	17.58	17.59	19.5	
20	256QAM	1	48	17.86	17.51	17.69	17.53	17.50		
20	256QAM	1	96	17.68	17.51	17.50	17.52	17.51		
20	256QAM	50	0	17.62	17.65	17.61	17.63	17.74		
20	256QAM	50	24	17.91	17.64	17.78	17.62	17.72	19.5	
20	256QAM	50	96	17.87	17.63	17.73	17.62	17.75		
20	256QAM	100	0	17.84	17.67	17.71	17.56	17.68		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.58	22.57	22.58	22.51	22.59	24.50	
15	QPSK	1	30	22.63	22.59	22.56	22.50	22.54		
15	QPSK	1	74	22.65	22.62	22.61	22.55	22.61		
15	QPSK	36	0	21.72	21.78	21.56	21.56	21.64	23.5	
15	QPSK	36	20	21.62	21.73	21.63	21.62	21.62		
15	QPSK	36	30	21.78	21.71	21.56	21.57	21.67		
15	QPSK	75	0	21.74	21.77	21.54	21.52	21.68	23.5	
15	16QAM	1	0	21.68	21.60	21.58	21.52	21.54		
15	16QAM	1	30	21.76	21.60	21.67	21.50	21.60		
15	16QAM	36	0	21.78	21.65	21.66	21.50	21.60		
15	16QAM	36	0	20.80	20.68	20.54	20.50	20.61	22.5	
15	16QAM	36	30	20.76	20.70	20.54	20.61	20.54		
15	16QAM	36	30	20.80	20.67	20.58	20.50	20.59		
15	16QAM	75	0	20.80	20.68	20.53	20.60	20.56		
15	16QAM	1	0	20.99	20.53	20.56	20.58	20.54	22.5	
15	16QAM	1	30	20.73	20.55	20.56	20.61	20.50		
15	16QAM	36	0	20.68	20.61	20.61	20.50	20.50		
15	16QAM	36	0	19.71	19.59	19.51	19.50	19.52	21.5	
15	16QAM	36	20	19.75	19.70	19.54	19.60	19.51		
15	16QAM	36	30	19.70	19.74	19.59	19.55	19.55		
15	16QAM	75	0	19.73	19.61	19.51	19.57	19.55		
15	256QAM	1	0	17.74	17.53	17.77	17.60	17.63	19.5	
15	256QAM	1	30	17.91	17.50	17.65	17.57	17.56		
15	256QAM	1	74	17.70	17.59	17.58	17.53	17.51		
15	256QAM	36	0	17.67	17.56	17.57	17.51	17.57		
15	256QAM	36	20	17.87	17.56	17.73	17.61	17.67	19.5	
15	256QAM	36	30	17.87	17.60	17.71	17.65	17.65		
15	256QAM	75	0	17.84	17.62	17.70	17.59	17.65		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.82	22.81	22.81	22.83	22.82	24.50	
10	QPSK	1	20	22.68	22.63	22.60	22.57	22.61		
10	QPSK	1	40	22.63	22.54	22.56	22.50	22.61		
10	QPSK	25	0	21.78	21.74	21.56	21.56	21.59	23.5	
10	QPSK	25	12	21.74	21.81	21.58	21.61	21.67		
10	QPSK	25	30	21.78	21.72	21.61	21.58	21.61		
10	QPSK	50	0	21.68	21.74	21.51	21.52	21.60	23.5	
10	16QAM	1	0	21.78	21.67	21.68	21.57	21.64		
10	16QAM	1	20	21.75	21.61	21.60	21.50	21.58		
10	16QAM	1	40	21.81	21.60	21.67	21.54	21.68		
10	16QAM	25	0	20.76	20.67	20.52	20.54	20.50	22.5	
10	16QAM	25	12	20.79	20.69	20.57	20.61	20.57		
10	16QAM	25	20	20.82	20.71	20.60	20.50	20.57		
10	16QAM	50	0	20.80	20.71	20.59	20.58	20.64	22.5	
10	16QAM	1	0	20.62	20.57	20.57	20.52	20.55		
10	16QAM	1	20	20.70	20.53	20.61	20.52	20.60		
10	16QAM	1	40	20.67	20.50	20.67	20.56	20.59		
10	16QAM	25	0	19.76	19.72	19.56	19.51	19.53	21.5	
10	16QAM	25	12	19.74	19.69	19.57	19.58	19.55		
10	16QAM	25	20	19.79	19.69	19.57	19.55	19.55		
10	16QAM	50	0	19.77	19.62	19.52	19.54	19.53		
10	256QAM	1	0	17.70	17.50	17.71	17.57	17.57	19.5	
10	256QAM	1	20	17.86	17.51	17.65	17.50	17.61		
10	256QAM	1	40	17.72	17.54	17.57	17.53	17.52		
10	256QAM	25	0	17.95	17.70	17.77	17.69	17.69	19.5	
10	256QAM	25	12	17.91	17.67	17.78	17.67	17.71		
10	256QAM	25	20	17.88	17.60	17.77	17.63	17.72		
10	256QAM	50	0	17.88	17.60	17.69	17.55	17.64		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.58	22.58	22.57	22.54	22.53	24.50	
5	QPSK	1	10	22.68	22.63	22.62	22.56	22.57		
5	QPSK	1	24	22.66	22.67	22.56	22.50	22.54		
5	QPSK	12	0	21.73	21.79	21.55	21.51	21.62	23.5	
5	QPSK	12	7	21.84	21.81	21.60	21.59	21.59		
5	QPSK	12	10	21.79	21.79	21.63	21.62	21.60		
5	QPSK	25	0	21.71	21.75	21.55	21.62	21.59	23.5	
5	16QAM	1	0	21.76	21.62	21.63	21.53	21.58		
5	16QAM	1	12	21.73	21.67	21.56	21.50	21.50		
5	16QAM	1	24	21.81	21.60	21.69	21.51	21.59		
5	16QAM	12	0	20.76	20.71	20.56	20.52	20.52	22.5	
5	16QAM	12	7	20.84	20.63	20.61	20.58	20.62		
5	16QAM	12	10	20.80	20.69	20.54	20.52	20.53		
5	16QAM	25	0	20.72	20.67	20.52	20.59	20.58		
5	16QAM	1	0	20.57	21.00	20.50	20.52	20.58	22.5	
5	16QAM	1	12	20.70	20.54	20.61	20.53	20.50		
5	16QAM	1	24	20.72	20.52	20.61	20.57	20.55		
5	16QAM	12	0	19.73	19.70	19.53	19.50	19.51	21.5	
5	16QAM	12	7	19.81	19.74	19.60	19.52	19.55		
5	16QAM	12	10	19.80	19.74	19.59	19.55	19.54		
5	16QAM	25	0	19.74	19.69	19.53	19.59	19.54		
5	256QAM	1	0	17.76	17.51	17.73	17.60	17.68	19.5	
5	256QAM	1	10	17.90	17.50	17.68	17.55	17.62		
5	256QAM	1	24	17.67	17.56	17.55	17.61	17.60		
5	256QAM	12	0	17.80	17.70	17.85	17.61	17.72		
5	256QAM	12	7	17.92	17.65	17.74	17.63	17.68		
5	256QAM	12	10	17.82	17.63	17.69	17.65	17.72		
5	256QAM	25	0	17.84	17.61	17.70	17.56	17.67		

Band 48_Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Center Ch / Freq	Power Line Min Ch / Freq	Power Line Max Ch / Freq	Power Avg Ch / Freq	Tune-up limit (dBm)	
Channel				56440	56830	56190	56660		
Frequency (MHz)				56440	56830	56190	56660		
20	QPSK	1	0	21.45	21.83	21.98	22.08	22.9	
20	QPSK	1	46	21.44	21.76	21.84	21.88		
20	QPSK	1	86	21.45	21.72	21.79	21.79		
20	QPSK	50	0	20.64	20.93	21.03	21.09		
20	QPSK	50	24	20.63	20.93	21.09	21.05	21.9	
20	QPSK	50	50	20.63	20.90	20.95	20.97		
20	QPSK	100	0	20.61	20.88	20.98	21.01		
20	16QAM	1	0	20.74	20.87	20.90	21.00		
20	16QAM	1	46	20.48	20.61	20.78	20.83	21.9	
20	16QAM	1	90	20.50	20.59	20.71	20.73		
20	16QAM	50	0	19.55	19.87	19.98	20.02		
20	16QAM	50	24	19.58	19.87	19.96	20.00		
20	16QAM	50	50	19.55	19.84	19.92	20.00	20.9	
20	16QAM	100	0	19.55	19.84	19.91	20.00		
20	64QAM	1	0	19.51	19.63	19.76	19.77		
20	64QAM	1	46	19.53	19.59	19.63	19.63		
20	64QAM	1	90	19.26	19.57	19.51	19.55	19.9	
20	64QAM	50	0	18.57	18.87	18.96	19.00		
20	64QAM	50	24	18.57	18.85	18.93	18.97		
20	64QAM	50	50	18.55	18.82	18.87	18.91		
20	64QAM	100	0	18.50	18.75	18.80	18.93	17.9	
20	256QAM	1	0	16.32	16.43	16.43	16.53		
20	256QAM	1	46	16.25	16.43	16.42	16.48		
20	256QAM	1	86	16.28	16.37	16.34	16.45		
20	256QAM	50	0	16.47	16.61	16.61	16.64	17.9	
20	256QAM	50	24	16.43	16.58	16.59	16.72		
20	256QAM	50	50	16.41	16.59	16.57	16.65		
20	256QAM	100	0	16.50	16.56	16.63	16.64		
Channel				56900	57100	56190	56660	Tune-up limit (dBm)	
Frequency (MHz)				56900	57100	56190	56660		
15	QPSK	1	0	21.53	21.83	21.93	22.00	22.9	
15	QPSK	1	37	21.44	21.76	21.82	21.91		
15	QPSK	1	74	21.54	21.81	21.82	21.85		
15	QPSK	36	0	20.59	20.91	20.99	21.05		
15	QPSK	36	20	20.58	20.87	20.95	20.97	21.9	
15	QPSK	36	36	20.58	20.86	20.93	20.94		
15	QPSK	75	0	20.60	20.90	20.99	20.98		
15	16QAM	1	0	20.61	20.93	20.97	21.14		
15	16QAM	1	37	20.53	20.82	20.88	21.03	21.9	
15	16QAM	1	74	20.60	20.85	20.85	20.97		
15	16QAM	36	0	19.52	19.83	19.94	19.93		
15	16QAM	36	20	19.50	19.82	19.91	19.95		
15	16QAM	36	36	19.53	19.79	19.85	19.88	20.9	
15	16QAM	75	0	19.55	19.84	19.92	19.96		
15	64QAM	1	0	19.31	19.68	19.68	19.85		
15	64QAM	1	37	19.27	19.53	19.59	19.69		
15	64QAM	1	74	19.29	19.57	19.57	19.65	20.9	
15	64QAM	36	0	18.55	18.85	18.92	18.95		
15	64QAM	36	20	18.54	18.81	18.91	18.94		
15	64QAM	36	36	18.53	18.75	18.85	18.90		
15	64QAM	75	0	18.53	18.83	18.90	18.94	17.9	
15	256QAM	1	0	16.22	16.33	16.41	16.44		
15	256QAM	1	37	16.24	16.43	16.32	16.43		
15	256QAM	1	74	16.27	16.32	16.30	16.41		
15	256QAM	36	0	16.44	16.61	16.62	16.67		
15	256QAM	36	20	16.38	16.50	16.54	16.70	17.9	
15	256QAM	36	36	16.39	16.55	16.48	16.64		
15	256QAM	75	0	16.47	16.48	16.55	16.64		
Channel				56900	56815	56190	56660	Tune-up limit (dBm)	
Frequency (MHz)				56900	56815	56190	56660		
10	QPSK	1	0	21.52	21.64	21.64	21.99	22.9	
10	QPSK	1	25	21.37	21.67	21.74	21.78		
10	QPSK	1	46	21.40	21.75	21.82	21.85		
10	QPSK	25	0	20.58	20.88	20.98	21.04		
10	QPSK	25	12	20.59	20.89	20.95	21.01	21.9	
10	QPSK	25	25	20.58	20.86	20.94	20.98		
10	QPSK	50	0	20.62	20.91	21.01	21.04		
10	16QAM	1	0	20.59	20.77	20.84	20.96		
10	16QAM	1	25	20.43	20.65	20.61	20.76	21.9	
10	16QAM	1	46	20.52	20.68	20.67	20.83		
10	16QAM	25	0	19.48	19.88	19.97	20.06		
10	16QAM	25	12	19.57	19.86	19.84	20.02		
10	16QAM	25	25	19.55	19.85	19.93	19.97	20.9	
10	16QAM	50	0	19.54	19.86	19.91	19.96		
10	64QAM	1	0	19.35	19.64	19.65	19.66		
10	64QAM	1	25	19.24	19.52	19.49	19.47		
10	64QAM	1	46	19.32	19.59	19.55	19.56	20.9	
10	64QAM	25	0	18.49	18.83	18.82	18.96		
10	64QAM	25	12	18.45	18.81	18.89	18.91		
10	64QAM	25	25	18.49	18.81	18.87	18.93		
10	64QAM	50	0	18.53	18.84	18.92	18.96	17.9	
10	256QAM	1	0	16.31	16.40	16.38	16.50		
10	256QAM	1	25	16.20	16.38	16.32	16.41		
10	256QAM	1	46	16.21	16.30	16.33	16.43		
10	256QAM	25	0	16.43	16.55	16.53	16.60		
10	256QAM	25	12	16.33	16.57	16.54	16.68	17.9	
10	256QAM	25	25	16.36	16.49	16.53	16.61		
10	256QAM	50	0	16.41	16.48	16.53	16.59		
Channel				56900	56815	56190	56660	Tune-up limit (dBm)	
Frequency (MHz)				56900	56815	56190	56660		
5	QPSK	1	0	21.48	21.83	21.97	21.98	22.9	
5	QPSK	1	0	21.45	21.76	21.80	21.92		
5	QPSK	1	24	21.53	21.82	21.95	21.97		
5	QPSK	12	0	20.45	20.81	20.92	20.98		
5	QPSK	12	7	20.50	20.80	20.93	20.98	21.9	
5	QPSK	12	13	20.49	20.79	20.91	20.95		
5	QPSK	25	0	20.50	20.86	20.95	21.01		
5	16QAM	1	0	20.55	20.84	21.03	21.07		
5	16QAM	1	12	20.41	20.70	20.89	21.00	21.9	
5	16QAM	1	24	20.57	20.83	20.99	21.06		
5	16QAM	12	0	19.43	19.79	19.89	19.93		
5	16QAM	12	7	19.45	19.78	19.91	19.93		
5	16QAM	12	13	19.45	19.79	19.87	19.91	20.9	
5	16QAM	25	0	19.54	19.89	19.95	20.03		
5	64QAM	1	0	19.25	19.55	19.73	19.68		
5	64QAM	1	12	19.11	19.44	19.59	19.55		
5	64QAM	1	24	19.26	19.52	19.67	19.59	19.9	
5	64QAM	12	0	18.44	18.75	18.84	18.95		
5	64QAM	12	7	18.45	18.73	18.83	18.93		
5	64QAM	12	13	18.42	18.71	18.79	18.91		
5	64QAM	25	0	18.48	18.78	18.90	18.93	17.9	
5	256QAM	1	0	16.31	16.43	16.33	16.43		
5	256QAM	1	0	16.17	16.33	16.41	16.48		
5	256QAM	1	24	16.26	16.31	16.28	16.42		
5	256QAM	12	0	16.38	16.53	16.54	16.60		
5	256QAM	12	7	16.33	16.53	16.52	16.64	17.9	
5	256QAM	12	13	16.41	16.53	16.47	16.65		
5	256QAM	25	0	16.44	16.52	16.58	16.67		



Band 41 PC2_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Low-Mid Ch (dBm)	Power Low-High Ch (dBm)	Power High Ch (dBm)	Power High Ch (dBm)	Turn-up Wds (dBm)	
Channel				38750	39435	40160	40855	41560		
Frequency (MHz)				38750	39435	40160	40855	41560		
20	QPSK	1	0	24.70	24.80	24.82	24.80	24.85	25	
	QPSK	1	48	24.71	24.85	24.83	24.86	24.89		
	QPSK	1	96	24.65	24.81	24.80	24.85	24.83		
	QPSK	50	0	23.72	23.76	23.84	23.86	23.75		
20	QPSK	50	24	23.76	23.77	23.85	23.77	23.74	24.5	
	QPSK	50	96	23.75	23.76	23.82	23.72	23.71		
	16QAM	1	0	23.71	23.80	23.85	23.84	23.80		
	16QAM	1	48	23.71	23.80	23.84	23.86	23.73		
20	16QAM	50	0	23.89	23.80	23.84	23.88	23.87	24.5	
	16QAM	50	24	22.72	22.71	22.80	22.87	22.79		
	16QAM	50	96	22.74	22.72	22.84	22.71	22.72		
	16QAM	100	0	22.75	22.70	22.85	22.71	22.71		
20	16QAM	100	50	22.85	22.80	22.82	22.87	22.87	24.1	
	256QAM	1	48	22.79	22.80	22.83	22.83	22.85		
	256QAM	1	96	22.78	22.81	22.82	22.78	22.80		
	256QAM	50	0	21.73	21.69	21.85	21.85	21.71		
20	256QAM	50	24	21.71	21.71	21.82	21.88	21.75	23.1	
	256QAM	50	96	21.73	21.88	21.82	21.89	21.79		
	256QAM	100	0	19.83	19.84	19.78	19.86	19.76		
	256QAM	100	50	19.71	19.80	19.82	19.79	19.75		
20	256QAM	1	96	19.84	19.81	19.81	19.85	19.86	21.1	
	256QAM	50	0	19.95	19.87	19.93	19.79	19.87		
	256QAM	50	24	19.93	19.85	19.89	19.78	19.85		
	256QAM	50	96	19.85	19.88	19.84	19.77	19.82		
Channel <td>39725</td> <td>40173</td> <td>40600</td> <td>41066</td> <td>41560</td> <td colspan="2">Turn-up Wds (dBm)</td>				39725	40173	40600	41066	41560	Turn-up Wds (dBm)	
Frequency (MHz)				39725	40173	40600	41066	41560		
15	QPSK	1	0	24.69	24.63	24.61	24.61	24.65	25.00	
	QPSK	1	30	24.68	24.68	24.62	24.67	24.67		
	QPSK	1	74	24.66	24.68	24.68	24.68	24.68		
	QPSK	36	0	23.76	23.81	23.87	23.89	23.73		
15	QPSK	36	30	23.79	23.77	23.81	23.73	23.78	24.5	
	QPSK	36	74	23.78	23.75	23.82	23.88	23.69		
	QPSK	75	0	23.75	23.88	23.83	23.74	23.77		
	16QAM	1	0	23.76	23.82	23.87	23.85	23.88		
15	16QAM	1	30	23.70	23.80	23.86	23.87	23.88	24.5	
	16QAM	1	74	23.82	23.82	23.81	23.89	23.87		
	16QAM	36	0	22.72	22.76	22.80	22.88	22.71		
	16QAM	36	30	22.79	22.71	22.87	22.71	22.77		
15	16QAM	36	74	22.72	22.86	22.81	22.78	22.87	24.1	
	16QAM	75	0	22.78	22.70	22.82	22.88	22.72		
	16QAM	1	0	22.89	22.84	22.89	22.88	22.89		
	16QAM	1	30	22.74	22.80	22.88	22.82	22.80		
15	16QAM	36	0	21.74	21.67	21.80	21.87	21.78	23.1	
	16QAM	36	30	21.69	21.72	21.81	21.85	21.86		
	16QAM	36	74	21.71	21.69	21.81	21.88	21.70		
	256QAM	1	0	19.85	19.83	19.72	19.85	19.81		
15	256QAM	1	30	19.71	19.85	19.87	19.81	19.71	21.1	
	256QAM	1	74	19.83	19.80	19.80	19.80	19.84		
	256QAM	36	0	19.88	19.85	19.75	19.75	19.80		
	256QAM	36	30	19.90	19.88	19.83	19.79	19.77		
15	256QAM	75	0	19.82	19.80	19.78	19.74	19.77		
Channel <td>39700</td> <td>40166</td> <td>40600</td> <td>41066</td> <td>41560</td> <td colspan="2">Turn-up Wds (dBm)</td>				39700	40166	40600	41066	41560	Turn-up Wds (dBm)	
Frequency (MHz)				39700	40166	40600	41066	41560		
10	QPSK	1	0	24.81	24.83	24.82	24.80	24.85	25.00	
	QPSK	1	25	24.71	24.85	24.88	24.83	24.71		
	QPSK	1	48	24.86	24.85	24.81	24.86	24.83		
	QPSK	25	0	23.69	23.71	23.84	23.87	23.73		
10	QPSK	25	12	23.79	23.75	23.71	23.74	23.73	24.5	
	QPSK	25	25	23.79	23.79	23.81	23.75	23.71		
	QPSK	50	0	23.80	23.71	23.70	23.74	23.73		
	QPSK	50	12	23.80	23.82	23.81	23.81	23.82		
10	16QAM	1	0	23.76	23.80	23.83	23.70	23.75	24.5	
	16QAM	1	48	23.84	23.82	23.79	23.93	23.89		
	16QAM	25	0	22.73	22.73	22.85	22.84	22.74		
	16QAM	25	12	22.72	22.76	22.82	22.75	22.70		
10	16QAM	25	25	22.74	22.75	22.85	22.73	22.67	24.1	
	16QAM	50	0	22.78	22.74	22.86	22.75	22.67		
	16QAM	1	0	22.68	22.80	22.82	22.92	22.84		
	16QAM	1	25	22.81	22.83	22.84	22.86	22.89		
10	16QAM	1	48	22.73	22.81	22.85	22.79	22.81	24.1	
	16QAM	25	0	21.74	21.69	21.85	21.80	21.69		
	16QAM	25	12	21.68	21.70	21.87	21.88	21.74		
	16QAM	25	25	21.75	21.86	21.80	21.72	21.83		
10	16QAM	50	0	21.78	21.84	21.87	21.84	21.75	23.1	
	256QAM	1	0	19.79	19.80	19.78	19.84	19.77		
	256QAM	1	25	19.72	19.80	19.81	19.78	19.75		
	256QAM	1	48	19.81	19.84	19.82	19.82	19.85		
10	256QAM	25	0	19.95	19.82	19.88	19.78	19.83	21.1	
	256QAM	25	12	19.93	19.85	19.92	19.79	19.80		
	256QAM	25	25	19.85	19.72	19.87	19.80	19.81		
	256QAM	50	0	19.88	19.80	19.81	19.73	19.82		
Channel <td>2489.5</td> <td>2544.5</td> <td>2599.5</td> <td>2640.30</td> <td>2687.5</td> <td colspan="2">Turn-up Wds (dBm)</td>				2489.5	2544.5	2599.5	2640.30	2687.5	Turn-up Wds (dBm)	
Frequency (MHz)				2489.5	2544.5	2599.5	2640.30	2687.5		
5	QPSK	1	0	24.71	24.81	24.80	24.80	24.88	25.00	
	QPSK	1	12	24.70	24.82	24.80	24.86	24.71		
	QPSK	1	24	24.82	24.81	24.84	24.75	24.84		
	QPSK	12	0	23.75	23.80	23.82	23.70	23.71		
5	QPSK	12	7	23.76	23.72	23.85	23.68	23.71	24.5	
	QPSK	12	15	23.80	23.75	23.80	23.87	23.75		
	QPSK	25	0	23.83	23.76	23.70	23.76	23.72		
	16QAM	1	0	23.79	23.90	23.90	23.88	23.89		
5	16QAM	1	12	23.75	23.80	23.81	23.87	23.89	24.5	
	16QAM	1	24	23.93	23.90	23.88	23.88	23.84		
	16QAM	12	0	22.71	22.76	22.87	22.83	22.74		
	16QAM	12	7	22.72	22.88	22.89	22.71	22.73		
5	16QAM	12	15	22.76	22.88	22.86	22.75	22.75	24.1	
	16QAM	25	0	22.80	22.75	22.83	22.89	22.88		
	16QAM	1	0	22.84	22.80	22.80	22.83	22.84		
	16QAM	1	12	22.83	22.80	22.86	22.80	22.83		
5	16QAM	1	24	22.81	22.80	22.88	22.73	22.81	24.1	
	16QAM	12	0	21.75	21.87	21.81	21.83	21.87		
	16QAM	12	7	21.74	21.75	21.80	21.71	21.72		
	16QAM	12	15	21.73	21.86	21.86	21.75	21.68		
5	16QAM	25	0	21.70	21.83	21.85	21.65	21.72	23.1	
	256QAM	1	0	19.84	19.80	19.75	19.83	19.73		
	256QAM	1	12	19.73	19.81	19.84	19.82	19.71		
	256QAM	1	24	19.83	19.80	19.82	19.87	19.82		
256QAM	12	0	19.93	19.87	19.93	19.82	19.87			
5	256QAM	12	7	19.90	19.82	19.90	19.81	19.86	21.1	
	256QAM	12	15	19.82	19.71	19.86	19.81	19.84		
	256QAM	25	0	19.80	19.82	19.84	19.75	19.80		

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	24.41	24.45	24.39	25.5
20	PI/2 BPSK	1	53	24.63	24.64	24.60	
20	PI/2 BPSK	1	104	24.52	24.53	24.50	25.0
20	PI/2 BPSK	50	0	23.95	23.94	23.93	
20	PI/2 BPSK	50	28	24.53	24.50	24.51	25.5
20	PI/2 BPSK	50	56	24.05	24.03	24.00	25.0
20	PI/2 BPSK	100	0	24.04	23.98	23.98	
20	QPSK	1	1	24.40	24.40	24.31	25.5
20	QPSK	1	53	24.60	24.60	24.57	
20	QPSK	1	104	24.52	24.53	24.48	24.5
20	QPSK	50	0	23.48	23.44	23.44	
20	QPSK	50	28	24.52	24.49	24.51	25.5
20	QPSK	50	56	23.55	23.52	23.51	24.5
20	QPSK	100	0	23.48	23.45	23.48	
20	16QAM	1	1	23.43	23.42	23.33	24.5
20	64QAM	1	1	21.84	21.82	21.75	23.0
20	256QAM	1	1	19.86	19.85	19.80	21.0
Channel				166300	167300	168300	tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.46	24.49	24.55	25.5
Channel				165800	167300	168800	tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.50	24.48	24.53	25.5
Channel				165300	167300	169300	tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.55	24.54	24.54	25.5

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	24.33	24.35	24.32	25.5
20	PI/2 BPSK	1	53	24.54	24.49	24.53	
20	PI/2 BPSK	1	104	24.34	24.30	24.32	25.5
20	PI/2 BPSK	50	0	23.90	23.88	23.86	
20	PI/2 BPSK	50	28	24.41	24.36	24.38	25.5
20	PI/2 BPSK	50	56	23.86	23.85	23.83	
20	PI/2 BPSK	100	0	23.89	23.84	23.87	25.5
20	QPSK	1	1	24.31	24.31	24.29	25.5
20	QPSK	1	53	24.50	24.46	24.48	
20	QPSK	1	104	24.33	24.29	24.30	25.5
20	QPSK	50	0	23.40	23.82	23.34	
20	QPSK	50	28	24.41	24.36	24.38	25.5
20	QPSK	50	56	23.36	23.35	23.32	25.5
20	QPSK	100	0	23.38	23.33	23.36	
20	16QAM	1	1	23.32	23.34	23.31	25.5
20	64QAM	1	1	21.78	21.81	21.77	25.5
20	256QAM	1	1	19.85	19.86	19.82	25.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.36	24.35	24.32	25.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.34	24.35	24.31	25.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.36	24.34	24.33	25.5

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	24.49	24.47	24.50	25.5
15	PI/2 BPSK	1	40	24.60	24.57	24.49	
15	PI/2 BPSK	1	77	24.58	24.55	24.58	25.0
15	PI/2 BPSK	36	0	24.03	24.07	23.98	
15	PI/2 BPSK	36	22	24.59	24.57	24.57	25.5
15	PI/2 BPSK	36	43	24.11	24.13	24.09	25.0
15	PI/2 BPSK	75	0	24.10	24.11	24.07	
15	QPSK	1	1	24.46	24.47	24.41	25.5
15	QPSK	1	40	24.54	24.56	24.44	
15	QPSK	1	77	24.58	24.56	24.52	24.5
15	QPSK	36	0	23.54	23.55	23.50	
15	QPSK	36	22	24.58	24.56	24.55	25.5
15	QPSK	36	43	23.62	23.63	23.59	24.5
15	QPSK	75	0	23.60	23.58	23.57	
15	16QAM	1	1	23.48	23.48	23.46	24.5
15	64QAM	1	1	21.98	21.96	21.86	23.0
15	256QAM	1	1	20.01	20.03	19.89	21.0
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.59	24.52	24.59	25.5
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.61	24.54	24.59	25.5

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	23.65	23.86	23.81	25.5
20	PI/2 BPSK	1	53	23.97	24.16	24.14	
20	PI/2 BPSK	1	104	23.81	23.95	23.87	25.0
20	PI/2 BPSK	50	0	23.26	23.47	23.42	
20	PI/2 BPSK	50	28	23.86	24.02	24.03	25.5
20	PI/2 BPSK	50	56	23.33	23.49	23.53	25.0
20	PI/2 BPSK	100	0	23.29	23.50	23.48	
20	QPSK	1	1	23.65	23.85	23.85	25.5
20	QPSK	1	53	23.93	24.11	24.12	
20	QPSK	1	104	23.82	23.94	23.77	24.5
20	QPSK	50	0	22.76	22.97	22.96	
20	QPSK	50	28	23.83	24.03	24.02	25.5
20	QPSK	50	56	22.83	22.99	23.03	24.5
20	QPSK	100	0	22.79	23.00	22.98	
20	16QAM	1	1	22.72	22.92	22.91	24.5
20	64QAM	1	1	21.17	21.37	21.36	23.0
20	256QAM	1	1	17.50	17.88	17.90	19.5
Channel				371500	376500	381500	Tune-up limit (dBm).
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.50	23.60	23.55	25.5
Channel				371000	376500	382000	Tune-up limit (dBm).
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.89	23.88	23.85	25.5
Channel				370500	376500	382500	Tune-up limit (dBm).
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.91	23.90	23.85	25.5

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		24.43		25.5
10	PI/2 BPSK	1	26		24.53		
10	PI/2 BPSK	1	50		24.37		25.0
10	PI/2 BPSK	25	0		23.91		
10	PI/2 BPSK	25	14		24.39		25.5
10	PI/2 BPSK	25	27		23.89		25.0
10	PI/2 BPSK	50	0		23.88		
10	QPSK	1	1		24.41		25.5
10	QPSK	1	26		24.47		
10	QPSK	1	50		24.35		24.5
10	QPSK	25	0		23.41		
10	QPSK	25	14		24.38		25.5
10	QPSK	25	27		23.38		24.5
10	QPSK	50	0		23.39		
10	16QAM	1	1		23.47		24.5
10	64QAM	1	1		21.92		23.0
10	256QAM	1	1		20.00		21.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	24.43	24.42	24.41	25.5

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.51	23.53	23.54	25.5
40	PI/2 BPSK	1	108	24.04	24.06	24.07	
40	PI/2 BPSK	1	214	23.51	23.53	23.50	
40	PI/2 BPSK	108	0	23.15	23.14	23.14	
40	PI/2 BPSK	108	54	23.86	23.88	23.90	25.5
40	PI/2 BPSK	108	108	23.32	23.31	23.34	25.0
40	PI/2 BPSK	216	0	23.21	23.19	23.26	
40	QPSK	1	1	23.51	23.50	23.51	25.5
40	QPSK	1	108	23.97	23.96	23.99	
40	QPSK	1	214	23.49	23.49	23.48	
40	QPSK	108	0	22.65	22.63	22.64	
40	QPSK	108	54	23.87	23.86	23.90	25.5
40	QPSK	108	108	22.82	22.81	22.83	24.5
40	QPSK	216	0	22.70	22.72	22.76	
40	16QAM	1	1	22.53	22.54	22.56	24.5
40	64QAM	1	1	21.06	21.05	21.15	23.0
40	256QAM	1	1	17.60	17.61	17.63	19.5
Channel				345000	349000	353000	tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.50	23.52	23.51	25.5
Channel				344000	349000	354000	tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.89	23.80	23.70	25.5
Channel				343500	349000	354500	tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.61	23.42	23.47	25.0
Channel				343000	349000	355000	tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.92	23.67	23.76	25.5
Channel				342500	349000	355500	tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.88	23.63	23.74	25.5

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	24.38	24.40	24.32	25.5
20	PI/2 BPSK	1	53	24.66	24.67	24.62	
20	PI/2 BPSK	1	104	24.52	24.53	24.43	25.0
20	PI/2 BPSK	50	0	23.99	24.01	24.00	
20	PI/2 BPSK	50	28	24.56	24.56	24.59	25.5
20	PI/2 BPSK	50	56	24.08	24.08	24.10	25.0
20	PI/2 BPSK	100	0	24.04	24.04	24.07	
20	QPSK	1	1	24.37	24.38	24.41	25.5
20	QPSK	1	53	24.64	24.65	24.57	
20	QPSK	1	104	24.51	24.55	24.49	24.5
20	QPSK	50	0	23.49	23.49	23.50	
20	QPSK	50	28	24.57	24.56	24.58	25.5
20	QPSK	50	56	23.57	23.58	23.59	24.5
20	QPSK	100	0	23.54	23.54	23.55	
20	16QAM	1	1	23.41	23.39	23.40	24.5
20	64QAM	1	1	21.90	21.92	21.89	23.0
20	256QAM	1	1	19.94	19.93	19.96	21.0
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.49	24.42	24.46	25.5
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.57	24.41	24.51	25.5
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				666.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.61	24.39	24.56	25.5

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	21.18	21.14	21.08	21.4
20	PI/2 BPSK	1	53	21.22	21.19	21.14	
20	PI/2 BPSK	1	104	21.13	21.08	21.07	
20	PI/2 BPSK	50	0	21.12	21.07	21.05	
20	PI/2 BPSK	50	28	21.16	21.12	21.16	21.4
20	PI/2 BPSK	50	56	21.13	21.11	21.04	21.4
20	PI/2 BPSK	100	0	21.14	21.09	21.06	
20	QPSK	1	1	21.11	21.01	21.02	21.4
20	QPSK	1	53	21.25	21.25	21.25	
20	QPSK	1	104	21.13	21.10	21.04	
20	QPSK	50	0	21.10	21.08	21.07	
20	QPSK	50	28	21.12	21.11	21.06	21.4
20	QPSK	50	56	21.13	21.07	21.10	21.4
20	QPSK	100	0	21.11	21.10	21.11	
20	16QAM	1	1	21.17	21.15	21.10	21.4
20	64QAM	1	1	21.06	20.99	20.98	21.4
20	256QAM	1	1	20.20	20.16	20.10	21.4
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.18	21.06	21.08	21.4
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.09	21.08	21.10	21.4
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.15	21.13	21.06	21.4

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	21.9
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.58	21.55	21.62	21.9
20	PI/2 BPSK	1	53	21.68	21.63	21.71	
20	PI/2 BPSK	1	104	21.63	21.58	21.66	21.9
20	PI/2 BPSK	50	0	21.69	21.77	21.78	
20	PI/2 BPSK	50	28	21.82	21.79	21.90	21.9
20	PI/2 BPSK	50	56	21.79	21.70	21.80	
20	PI/2 BPSK	100	0	21.77	21.75	21.79	21.9
20	QPSK	1	1	21.63	21.64	21.68	
20	QPSK	1	53	21.63	21.66	21.63	21.5
20	QPSK	1	104	21.70	21.79	21.80	
20	QPSK	50	0	21.28	21.25	21.28	21.9
20	QPSK	50	28	21.76	21.79	21.84	
20	QPSK	50	56	21.31	21.28	21.38	21.5
20	QPSK	100	0	21.46	21.42	21.27	
20	16QAM	1	1	21.16	21.18	21.20	20.0
20	64QAM	1	1	19.53	19.45	19.53	
20	256QAM	1	1	17.93	17.98	18.03	19.5
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.68	21.70	21.73	21.9
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.73	21.75	21.80	21.9
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.78	21.86	21.91	21.9



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		22.00		22.2
10	PI/2 BPSK	1	26		22.17		
10	PI/2 BPSK	1	50		22.16		22.2
10	PI/2 BPSK	25	0		22.18		
10	PI/2 BPSK	25	14		22.17		22.2
10	PI/2 BPSK	25	27		22.04		22.2
10	PI/2 BPSK	50	0		22.11		
10	QPSK	1	1		22.06		22.2
10	QPSK	1	26		22.12		
10	QPSK	1	50		22.10		22.2
10	QPSK	25	0		22.06		
10	QPSK	25	14		22.08		22.2
10	QPSK	25	27		22.10		22.2
10	QPSK	50	0		22.05		
10	16QAM	1	1		22.12		22.2
10	64QAM	1	1		22.03		22.2
10	256QAM	1	1		20.08		21.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.96	22.01	22.98	22.2

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	21.40	21.36	21.33	22.2
40	PI/2 BPSK	1	108	21.76	21.78	21.75	
40	PI/2 BPSK	1	214	21.74	21.75	21.71	22.2
40	PI/2 BPSK	108	0	21.71	21.72	21.65	
40	PI/2 BPSK	108	54	21.54	21.62	21.56	22.2
40	PI/2 BPSK	108	108	21.55	21.63	21.59	
40	PI/2 BPSK	216	0	21.43	21.46	21.46	22.2
40	QPSK	1	1	21.28	21.36	21.33	
40	QPSK	1	108	21.68	21.77	21.70	22.2
40	QPSK	1	214	21.68	21.76	21.70	
40	QPSK	108	0	21.64	21.73	21.67	22.2
40	QPSK	108	54	22.00	22.01	22.00	
40	QPSK	108	108	21.49	21.58	21.50	22.2
40	QPSK	216	0	21.44	21.48	21.43	
40	16QAM	1	1	21.39	21.40	21.32	22.2
40	64QAM	1	1	21.08	21.16	21.07	
40	256QAM	1	1	17.71	17.71	17.68	19.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.48	21.66	21.57	22.2
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.58	21.63	21.55	22.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.47	21.53	21.50	22.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.46	21.59	21.53	22.2
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.43	21.63	21.56	22.2

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	21.18	21.14	21.08	22.6
20	PI/2 BPSK	1	53	21.22	21.19	21.14	
20	PI/2 BPSK	1	104	21.13	21.08	21.07	
20	PI/2 BPSK	50	0	21.12	21.07	21.05	22.6
20	PI/2 BPSK	50	28	21.16	21.12	21.16	22.6
20	PI/2 BPSK	50	56	21.13	21.11	21.04	22.6
20	PI/2 BPSK	100	0	21.14	21.09	21.06	
20	QPSK	1	1	21.11	21.01	21.02	
20	QPSK	1	53	21.25	21.25	21.25	22.6
20	QPSK	1	104	21.13	21.10	21.04	
20	QPSK	50	0	21.10	21.08	21.07	
20	QPSK	50	28	21.12	21.11	21.06	22.6
20	QPSK	50	56	21.13	21.07	21.10	21.6
20	QPSK	100	0	21.11	21.10	21.11	
20	16QAM	1	1	21.17	21.15	21.10	
20	64QAM	1	1	21.06	20.99	20.98	22.6
20	256QAM	1	1	20.20	20.16	20.10	22.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.18	21.06	21.08	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.09	21.08	21.10	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.15	21.13	21.06	

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	21.58	21.55	21.62	23.1
20	PI/2 BPSK	1	53	21.68	21.63	21.71	
20	PI/2 BPSK	1	104	21.63	21.58	21.66	23.1
20	PI/2 BPSK	50	0	21.69	21.77	21.78	
20	PI/2 BPSK	50	28	21.82	21.79	21.90	23.1
20	PI/2 BPSK	50	56	21.79	21.70	21.80	
20	PI/2 BPSK	100	0	21.77	21.75	21.79	23.1
20	QPSK	1	1	21.63	21.64	21.68	
20	QPSK	1	53	21.63	21.66	21.63	23.1
20	QPSK	1	104	21.70	21.79	21.80	
20	QPSK	50	0	21.28	21.25	21.28	23.1
20	QPSK	50	28	21.76	21.79	21.84	
20	QPSK	50	56	21.31	21.28	21.38	23.1
20	QPSK	100	0	21.46	21.42	21.27	
20	16QAM	1	1	21.16	21.18	21.20	23.1
20	64QAM	1	1	19.53	19.45	19.53	
20	256QAM	1	1	17.93	17.98	18.03	19.6
Channel				371500	376500	381500	Tune-up limit (dBm).
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.68	21.70	21.73	23.1
Channel				371000	376500	382000	Tune-up limit (dBm).
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.73	21.75	21.80	23.1
Channel				370500	376500	382500	Tune-up limit (dBm).
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.78	21.86	21.91	23.1

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		22.00		23.4
10	PI/2 BPSK	1	26		22.17		
10	PI/2 BPSK	1	50		22.16		23.4
10	PI/2 BPSK	25	0		22.18		
10	PI/2 BPSK	25	14		22.17		23.4
10	PI/2 BPSK	25	27		22.04		
10	PI/2 BPSK	50	0		22.11		23.4
10	QPSK	1	1		22.06		
10	QPSK	1	26		22.12		23.4
10	QPSK	1	50		22.10		
10	QPSK	25	0		22.06		23.4
10	QPSK	25	14		22.08		
10	QPSK	25	27		22.10		23.4
10	QPSK	50	0		22.05		
10	16QAM	1	1		22.12		23.4
10	64QAM	1	1		22.03		
10	256QAM	1	1		20.08		22.2
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.96	22.01	22.98	23.4

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	21.40	21.36	21.33	23.4
40	PI/2 BPSK	1	108	21.76	21.78	21.75	
40	PI/2 BPSK	1	214	21.74	21.75	21.71	
40	PI/2 BPSK	108	0	21.71	21.72	21.65	
40	PI/2 BPSK	108	54	21.54	21.62	21.56	23.4
40	PI/2 BPSK	108	108	21.55	21.63	21.59	23.4
40	PI/2 BPSK	216	0	21.43	21.46	21.46	
40	QPSK	1	1	21.28	21.36	21.33	23.4
40	QPSK	1	108	21.68	21.77	21.70	
40	QPSK	1	214	21.68	21.76	21.70	
40	QPSK	108	0	21.64	21.73	21.67	
40	QPSK	108	54	22.00	22.01	22.00	23.4
40	QPSK	108	108	21.49	21.58	21.50	23.4
40	QPSK	216	0	21.44	21.48	21.43	
40	16QAM	1	1	21.39	21.40	21.32	23.4
40	64QAM	1	1	21.08	21.16	21.07	23.2
40	256QAM	1	1	17.71	17.71	17.68	19.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.48	21.66	21.57	23.4
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.58	21.63	21.55	23.4
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.47	21.53	21.50	23.4
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.46	21.59	21.53	23.4
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.43	21.63	21.56	23.4

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	21.18	21.14	21.08	21.4
20	PI/2 BPSK	1	53	21.22	21.19	21.14	
20	PI/2 BPSK	1	104	21.13	21.08	21.07	
20	PI/2 BPSK	50	0	21.12	21.07	21.05	
20	PI/2 BPSK	50	28	21.16	21.12	21.16	21.4
20	PI/2 BPSK	50	56	21.13	21.11	21.04	21.4
20	PI/2 BPSK	100	0	21.14	21.09	21.06	
20	QPSK	1	1	21.11	21.01	21.02	
20	QPSK	1	53	21.25	21.25	21.25	
20	QPSK	1	104	21.13	21.10	21.04	20.4
20	QPSK	50	0	21.10	21.08	21.07	
20	QPSK	50	28	21.12	21.11	21.06	
20	QPSK	50	56	21.13	21.07	21.10	
20	QPSK	100	0	21.11	21.10	21.11	20.4
20	16QAM	1	1	21.17	21.15	21.10	21.4
20	64QAM	1	1	21.06	20.99	20.98	21.4
20	256QAM	1	1	20.20	20.16	20.10	21.0
Channel				501500	507000	512500	Tune-up limit (dBm).
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.18	21.06	21.08	21.4
Channel				501000	507000	513000	Tune-up limit (dBm).
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.09	21.08	21.10	21.4
Channel				500500	507000	513500	Tune-up limit (dBm).
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.15	21.13	21.06	21.4

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	21.58	21.55	21.62	23.1
20	PI/2 BPSK	1	53	21.68	21.63	21.71	
20	PI/2 BPSK	1	104	21.63	21.58	21.66	23.1
20	PI/2 BPSK	50	0	21.69	21.77	21.78	
20	PI/2 BPSK	50	28	21.82	21.79	21.90	23.1
20	PI/2 BPSK	50	56	21.79	21.70	21.80	
20	PI/2 BPSK	100	0	21.77	21.75	21.79	23.1
20	QPSK	1	1	21.63	21.64	21.68	
20	QPSK	1	53	21.63	21.66	21.63	23.1
20	QPSK	1	104	21.70	21.79	21.80	
20	QPSK	50	0	21.28	21.25	21.28	23.1
20	QPSK	50	28	21.76	21.79	21.84	
20	QPSK	50	56	21.31	21.28	21.38	23.1
20	QPSK	100	0	21.46	21.42	21.27	
20	16QAM	1	1	21.16	21.18	21.20	23.1
20	64QAM	1	1	19.53	19.45	19.53	
20	256QAM	1	1	17.93	17.98	18.03	19.6
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.68	21.70	21.73	23.1
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.73	21.75	21.80	23.1
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.78	21.86	21.91	23.1

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		22.00		22.2
10	PI/2 BPSK	1	26		22.17		
10	PI/2 BPSK	1	50		22.16		
10	PI/2 BPSK	25	0		22.18		22.2
10	PI/2 BPSK	25	14		22.17		22.2
10	PI/2 BPSK	25	27		22.04		22.2
10	PI/2 BPSK	50	0		22.11		
10	QPSK	1	1		22.06		
10	QPSK	1	26		22.12		22.2
10	QPSK	1	50		22.10		
10	QPSK	25	0		22.06		
10	QPSK	25	14		22.08		22.2
10	QPSK	25	27		22.10		22.2
10	QPSK	50	0		22.05		
10	16QAM	1	1		22.12		
10	64QAM	1	1		22.03		22.2
10	256QAM	1	1		20.08		21.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.96	22.01	22.98	22.2

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	21.40	21.36	21.33	23.4
40	PI/2 BPSK	1	108	21.76	21.78	21.75	
40	PI/2 BPSK	1	214	21.74	21.75	21.71	
40	PI/2 BPSK	108	0	21.71	21.72	21.65	
40	PI/2 BPSK	108	54	21.54	21.62	21.56	23.4
40	PI/2 BPSK	108	108	21.55	21.63	21.59	23.4
40	PI/2 BPSK	216	0	21.43	21.46	21.46	
40	QPSK	1	1	21.28	21.36	21.33	23.4
40	QPSK	1	108	21.68	21.77	21.70	
40	QPSK	1	214	21.68	21.76	21.70	
40	QPSK	108	0	21.64	21.73	21.67	
40	QPSK	108	54	22.00	22.01	22.00	23.4
40	QPSK	108	108	21.49	21.58	21.50	23.4
40	QPSK	216	0	21.44	21.48	21.43	
40	16QAM	1	1	21.39	21.40	21.32	23.4
40	64QAM	1	1	21.08	21.16	21.07	23.2
40	256QAM	1	1	17.71	17.71	17.68	19.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.48	21.66	21.57	23.4
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.58	21.63	21.55	23.4
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.47	21.53	21.50	23.4
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.46	21.59	21.53	23.4
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.43	21.63	21.56	23.4

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	24.00	23.98	23.95	25.1
20	PI/2 BPSK	1	53	24.11	24.09	24.07	
20	PI/2 BPSK	1	104	23.90	23.88	23.85	
20	PI/2 BPSK	50	0	23.50	23.47	23.44	24.6
20	PI/2 BPSK	50	28	23.99	23.96	23.93	25.1
20	PI/2 BPSK	50	56	23.46	23.43	23.39	24.6
20	PI/2 BPSK	100	0	23.48	23.45	23.42	
20	QPSK	1	1	23.98	23.95	23.92	
20	QPSK	1	53	24.06	24.04	24.02	25.1
20	QPSK	1	104	23.90	23.88	23.84	
20	QPSK	50	0	22.99	22.96	22.94	24.1
20	QPSK	50	28	23.99	23.96	23.93	25.1
20	QPSK	50	56	22.95	22.93	22.89	24.1
20	QPSK	100	0	22.98	22.95	22.92	
20	16QAM	1	1	23.06	23.04	23.01	24.1
20	64QAM	1	1	21.45	21.43	21.40	22.6
20	256QAM	1	1	19.54	19.51	19.49	20.6
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.03	23.97	23.91	25.1
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.06	23.97	23.89	25.1
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.09	23.97	23.86	25.1

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	22.89	22.88	22.72	24.7
20	PI/2 BPSK	1	53	23.10	23.01	22.86	
20	PI/2 BPSK	1	104	22.90	22.76	22.71	24.2
20	PI/2 BPSK	50	0	22.43	22.38	22.23	
20	PI/2 BPSK	50	28	22.95	22.86	22.74	24.7
20	PI/2 BPSK	50	56	22.44	22.32	22.24	
20	PI/2 BPSK	100	0	22.44	22.35	22.23	24.2
20	QPSK	1	1	22.86	22.86	22.70	
20	QPSK	1	53	23.05	22.96	22.83	24.7
20	QPSK	1	104	22.89	22.75	22.72	
20	QPSK	50	0	21.92	21.86	21.74	23.7
20	QPSK	50	28	22.86	22.85	22.75	
20	QPSK	50	56	21.94	21.81	21.74	23.7
20	QPSK	100	0	21.94	21.85	21.73	
20	16QAM	1	1	21.89	21.89	21.75	23.7
20	64QAM	1	1	20.36	20.36	20.20	
20	256QAM	1	1	18.42	18.41	18.25	20.2
Channel				501500	507000	512500	Tune-up limit (dBm).
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.85	22.88	22.70	24.7
Channel				501000	507000	513000	Tune-up limit (dBm).
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.87	22.88	22.72	24.7
Channel				500500	507000	513500	Tune-up limit (dBm).
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.85	22.88	22.70	24.7

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	24.12	24.09	24.09	25.1
15	PI/2 BPSK	1	40	24.06	24.05	24.04	
15	PI/2 BPSK	1	77	24.06	24.05	24.04	24.6
15	PI/2 BPSK	36	0	23.62	23.61	23.59	
15	PI/2 BPSK	36	22	24.10	24.11	24.10	25.1
15	PI/2 BPSK	36	43	23.59	23.58	23.57	
15	PI/2 BPSK	75	0	23.61	23.60	23.59	24.6
15	QPSK	1	1	23.09	24.08	24.07	25.1
15	QPSK	1	40	24.04	24.02	24.02	
15	QPSK	1	77	24.04	24.03	24.02	24.1
15	QPSK	36	0	23.12	23.11	23.09	
15	QPSK	36	22	24.10	24.11	24.10	25.1
15	QPSK	36	43	23.09	23.08	23.07	
15	QPSK	75	0	23.11	23.09	23.08	24.1
15	16QAM	1	1	23.13	23.12	23.11	24.1
15	64QAM	1	1	21.56	21.56	21.55	22.6
15	256QAM	1	1	19.61	19.61	19.60	20.6
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.14	24.10	24.05	25.1
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.18	24.10	24.05	25.1

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	22.92	23.05	22.94	24.6
20	PI/2 BPSK	1	53	23.24	23.30	23.25	
20	PI/2 BPSK	1	104	22.96	23.10	22.99	24.1
20	PI/2 BPSK	50	0	22.55	22.61	22.56	
20	PI/2 BPSK	50	28	23.08	23.17	23.11	24.6
20	PI/2 BPSK	50	56	22.56	22.66	22.55	24.1
20	PI/2 BPSK	100	0	22.58	22.64	22.57	
20	QPSK	1	1	22.90	23.00	22.93	24.6
20	QPSK	1	53	23.19	23.26	23.20	
20	QPSK	1	104	22.99	23.09	22.96	23.6
20	QPSK	50	0	22.05	22.12	22.08	
20	QPSK	50	28	23.09	23.17	23.14	24.6
20	QPSK	50	56	22.09	22.16	22.07	23.6
20	QPSK	100	0	22.07	22.14	22.07	
20	16QAM	1	1	21.93	22.03	21.98	23.6
20	64QAM	1	1	20.46	20.50	20.45	22.1
20	256QAM	1	1	16.69	17.02	16.99	18.6
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.60	22.70	22.69	24.6
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.09	22.98	22.99	24.6
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.06	22.97	22.99	24.6



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		22.84		24.5
10	PI/2 BPSK	1	26		22.92		
10	PI/2 BPSK	1	50		22.70		
10	PI/2 BPSK	25	0		22.30		24.0
10	PI/2 BPSK	25	14		22.77		24.5
10	PI/2 BPSK	25	27		22.23		24.0
10	PI/2 BPSK	50	0		22.27		
10	QPSK	1	1		22.82		24.5
10	QPSK	1	26		22.87		
10	QPSK	1	50		22.68		
10	QPSK	25	0		21.80		23.5
10	QPSK	25	14		22.77		24.5
10	QPSK	25	27		21.73		23.5
10	QPSK	50	0		21.77		
10	16QAM	1	1		21.87		23.5
10	64QAM	1	1		20.33		22.0
10	256QAM	1	1		18.36		20.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.82	22.82	22.80	24.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.22	22.26	22.21	24.2
40	PI/2 BPSK	1	108	23.10	22.99	22.93	
40	PI/2 BPSK	1	214	22.46	22.44	22.44	
40	PI/2 BPSK	108	0	22.18	22.12	22.01	
40	PI/2 BPSK	108	54	22.85	22.80	22.73	24.2
40	PI/2 BPSK	108	108	22.27	22.17	22.18	23.7
40	PI/2 BPSK	216	0	22.19	22.13	22.13	
40	QPSK	1	1	22.20	22.23	22.20	
40	QPSK	1	108	23.02	22.95	22.89	
40	QPSK	1	214	22.41	22.41	22.42	24.2
40	QPSK	108	0	21.68	21.62	21.50	
40	QPSK	108	54	22.85	22.81	22.72	
40	QPSK	108	108	21.73	21.67	21.68	
40	QPSK	216	0	21.69	21.62	21.63	23.2
40	16QAM	1	1	21.24	21.31	21.22	23.2
40	64QAM	1	1	19.71	19.76	19.73	21.7
40	256QAM	1	1	16.29	16.34	16.27	18.2
Channel				345000	349000	353000	tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.21	22.23	22.20	24.2
Channel				344000	349000	354000	tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.69	22.73	22.65	24.2
Channel				343500	349000	354500	tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.44	22.46	22.35	23.7
Channel				343000	349000	355000	tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.72	22.68	22.63	24.2
Channel				342500	349000	355500	tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.68	22.68	22.62	24.2

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	24.12	24.02	23.93	25.1
20	PI/2 BPSK	1	53	24.30	24.21	24.12	
20	PI/2 BPSK	1	104	24.02	23.93	23.84	24.6
20	PI/2 BPSK	50	0	23.66	23.55	23.47	
20	PI/2 BPSK	50	28	24.17	24.07	23.98	25.1
20	PI/2 BPSK	50	56	23.60	23.51	23.43	
20	PI/2 BPSK	100	0	23.64	23.54	23.45	24.6
20	QPSK	1	1	24.10	24.00	23.90	25.1
20	QPSK	1	53	24.28	24.18	24.10	
20	QPSK	1	104	24.01	23.93	23.84	24.1
20	QPSK	50	0	23.15	23.05	22.96	
20	QPSK	50	28	24.17	24.07	23.98	25.1
20	QPSK	50	56	23.11	23.01	22.92	
20	QPSK	100	0	23.13	23.04	22.94	24.1
20	16QAM	1	1	23.12	23.04	22.93	24.1
20	64QAM	1	1	21.59	21.50	21.40	22.6
20	256QAM	1	1	19.60	19.51	19.41	20.6
Channel				134100	136100	138100	tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.15	24.02	23.90	25.1
Channel				133600	136100	138600	tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.02	24.04	24.02	25.1
Channel				135100	136100	139100	tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.27	24.02	23.84	25.1

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	24.00	23.98	23.95	25.1
20	PI/2 BPSK	1	53	24.11	24.09	24.07	
20	PI/2 BPSK	1	104	23.90	23.88	23.85	
20	PI/2 BPSK	50	0	23.50	23.47	23.44	24.6
20	PI/2 BPSK	50	28	23.99	23.96	23.93	25.1
20	PI/2 BPSK	50	56	23.46	23.43	23.39	24.6
20	PI/2 BPSK	100	0	23.48	23.45	23.42	
20	QPSK	1	1	23.98	23.95	23.92	
20	QPSK	1	53	24.06	24.04	24.02	25.1
20	QPSK	1	104	23.90	23.88	23.84	
20	QPSK	50	0	22.99	22.96	22.94	24.1
20	QPSK	50	28	23.99	23.96	23.93	25.1
20	QPSK	50	56	22.95	22.93	22.89	24.1
20	QPSK	100	0	22.98	22.95	22.92	
20	16QAM	1	1	23.06	23.04	23.01	24.1
20	64QAM	1	1	21.45	21.43	21.40	22.6
20	256QAM	1	1	19.54	19.51	19.49	20.6
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.03	23.97	23.91	25.1
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.06	23.97	23.89	25.1
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.09	23.97	23.86	25.1

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	21.44	21.28	21.42	21.8
20	PI/2 BPSK	1	53	21.55	21.50	21.51	
20	PI/2 BPSK	1	104	21.47	21.32	21.44	
20	PI/2 BPSK	50	0	21.48	21.29	21.37	21.8
20	PI/2 BPSK	50	28	21.50	21.38	21.44	21.8
20	PI/2 BPSK	50	56	21.49	21.37	21.39	21.8
20	PI/2 BPSK	100	0	21.49	21.36	21.39	
20	QPSK	1	1	21.43	21.39	21.30	
20	QPSK	1	53	21.51	21.48	21.46	21.8
20	QPSK	1	104	21.48	21.40	21.39	
20	QPSK	50	0	21.48	21.36	21.28	
20	QPSK	50	28	21.51	21.32	21.33	21.8
20	QPSK	50	56	21.50	21.43	21.46	21.8
20	QPSK	100	0	21.49	21.49	21.36	
20	16QAM	1	1	21.45	21.40	21.26	
20	64QAM	1	1	20.36	20.26	20.31	21.8
20	256QAM	1	1	18.37	18.22	18.27	20.2
Channel				501500	507000	512500	Tune-up limit (dBm).
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.54	21.43	22.50	21.8
Channel				501000	507000	513000	Tune-up limit (dBm).
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.53	22.49	22.51	21.8
Channel				500500	507000	513500	Tune-up limit (dBm).
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.50	22.48	22.47	21.8

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	24.12	24.09	24.09	25.1
15	PI/2 BPSK	1	40	24.06	24.05	24.04	
15	PI/2 BPSK	1	77	24.06	24.05	24.04	24.6
15	PI/2 BPSK	36	0	23.62	23.61	23.59	
15	PI/2 BPSK	36	22	24.10	24.11	24.10	25.1
15	PI/2 BPSK	36	43	23.59	23.58	23.57	
15	PI/2 BPSK	75	0	23.61	23.60	23.59	24.6
15	QPSK	1	1	23.09	24.08	24.07	25.1
15	QPSK	1	40	24.04	24.02	24.02	
15	QPSK	1	77	24.04	24.03	24.02	24.1
15	QPSK	36	0	23.12	23.11	23.09	
15	QPSK	36	22	24.10	24.11	24.10	25.1
15	QPSK	36	43	23.09	23.08	23.07	
15	QPSK	75	0	23.11	23.09	23.08	24.1
15	16QAM	1	1	23.13	23.12	23.11	24.1
15	64QAM	1	1	21.56	21.56	21.55	22.6
15	256QAM	1	1	19.61	19.61	19.60	20.6
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.14	24.10	24.05	25.1
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.18	24.10	24.05	25.1

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	23.3
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.92	23.05	22.94	23.3
20	PI/2 BPSK	1	53	23.24	23.30	23.25	
20	PI/2 BPSK	1	104	22.96	23.10	22.99	23.3
20	PI/2 BPSK	50	0	22.55	22.61	22.56	
20	PI/2 BPSK	50	28	23.08	23.17	23.11	23.3
20	PI/2 BPSK	50	56	22.56	22.66	22.55	
20	PI/2 BPSK	100	0	22.58	22.64	22.57	23.3
20	QPSK	1	1	22.90	23.00	22.93	
20	QPSK	1	53	23.19	23.26	23.20	23.3
20	QPSK	1	104	22.99	23.09	22.96	
20	QPSK	50	0	22.05	22.12	22.08	23.3
20	QPSK	50	28	23.09	23.17	23.14	
20	QPSK	50	56	22.09	22.16	22.07	23.3
20	QPSK	100	0	22.07	22.14	22.07	
20	16QAM	1	1	21.93	22.03	21.98	23.3
20	64QAM	1	1	20.46	20.50	20.45	
20	256QAM	1	1	16.69	17.02	16.99	18.6
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.60	22.70	22.69	23.3
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.09	22.98	22.99	23.3
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.06	22.97	22.99	23.3

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		22.84		24.5
10	PI/2 BPSK	1	26		22.92		
10	PI/2 BPSK	1	50		22.70		
10	PI/2 BPSK	25	0		22.30		24.0
10	PI/2 BPSK	25	14		22.77		24.5
10	PI/2 BPSK	25	27		22.23		24.0
10	PI/2 BPSK	50	0		22.27		
10	QPSK	1	1		22.82		24.5
10	QPSK	1	26		22.87		
10	QPSK	1	50		22.68		
10	QPSK	25	0		21.80		23.5
10	QPSK	25	14		22.77		24.5
10	QPSK	25	27		21.73		23.5
10	QPSK	50	0		21.77		
10	16QAM	1	1		21.87		23.5
10	64QAM	1	1		20.33		22.0
10	256QAM	1	1		18.36		20.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.82	22.82	22.80	24.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.22	22.26	22.21	24.1
40	PI/2 BPSK	1	108	23.10	22.99	22.93	
40	PI/2 BPSK	1	214	22.46	22.44	22.44	
40	PI/2 BPSK	108	0	22.18	22.12	22.01	23.6
40	PI/2 BPSK	108	54	22.85	22.80	22.73	24.1
40	PI/2 BPSK	108	108	22.27	22.17	22.18	23.6
40	PI/2 BPSK	216	0	22.69	22.63	22.61	
40	QPSK	1	1	22.20	22.23	22.20	
40	QPSK	1	108	23.02	22.95	22.89	24.1
40	QPSK	1	214	22.41	22.41	22.42	
40	QPSK	108	0	21.68	21.62	21.50	23.1
40	QPSK	108	54	22.85	22.81	22.72	24.1
40	QPSK	108	108	21.73	21.67	21.68	23.1
40	QPSK	216	0	21.69	21.62	21.63	
40	16QAM	1	1	21.24	21.31	21.22	23.1
40	64QAM	1	1	19.71	19.76	19.73	21.6
40	256QAM	1	1	16.29	16.34	16.27	18.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.21	22.23	22.20	24.1
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.69	22.73	22.65	24.1
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.44	22.46	22.35	24.1
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.72	22.68	22.63	24.1
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.68	22.68	22.62	24.1

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	24.12	24.02	23.93	25.1
20	PI/2 BPSK	1	53	24.30	24.21	24.12	
20	PI/2 BPSK	1	104	24.02	23.93	23.84	24.6
20	PI/2 BPSK	50	0	23.66	23.55	23.47	
20	PI/2 BPSK	50	28	24.17	24.07	23.98	25.1
20	PI/2 BPSK	50	56	23.60	23.51	23.43	
20	PI/2 BPSK	100	0	23.64	23.54	23.45	24.6
20	QPSK	1	1	24.10	24.00	23.90	25.1
20	QPSK	1	53	24.28	24.18	24.10	
20	QPSK	1	104	24.01	23.93	23.84	24.1
20	QPSK	50	0	23.15	23.05	22.96	
20	QPSK	50	28	24.17	24.07	23.98	25.1
20	QPSK	50	56	23.11	23.01	22.92	
20	QPSK	100	0	23.13	23.04	22.94	24.1
20	16QAM	1	1	23.12	23.04	22.93	24.1
20	64QAM	1	1	21.59	21.50	21.40	22.6
20	256QAM	1	1	19.60	19.51	19.41	20.6
Channel				134100	136100	138100	tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.15	24.02	23.90	25.1
Channel				133600	136100	138600	tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.02	24.04	24.02	25.1
Channel				135100	136100	139100	tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.27	24.02	23.84	25.1

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	21.44	21.28	21.42	23.0
20	PI/2 BPSK	1	53	21.55	21.50	21.51	
20	PI/2 BPSK	1	104	21.47	21.32	21.44	
20	PI/2 BPSK	50	0	21.48	21.29	21.37	23.0
20	PI/2 BPSK	50	28	21.50	21.38	21.44	23.0
20	PI/2 BPSK	50	56	21.49	21.37	21.39	23.0
20	PI/2 BPSK	100	0	21.49	21.36	21.39	
20	QPSK	1	1	21.43	21.39	21.30	
20	QPSK	1	53	21.51	21.48	21.46	23.0
20	QPSK	1	104	21.48	21.40	21.39	
20	QPSK	50	0	21.48	21.36	21.28	22.0
20	QPSK	50	28	21.51	21.32	21.33	23.0
20	QPSK	50	56	21.50	21.43	21.46	22.0
20	QPSK	100	0	21.49	21.49	21.36	
20	16QAM	1	1	21.45	21.40	21.26	23.0
20	64QAM	1	1	20.36	20.26	20.31	22.2
20	256QAM	1	1	18.37	18.22	18.27	20.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.54	21.43	22.50	23.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.53	22.49	22.51	23.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.50	22.48	22.47	23.0

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	22.92	23.05	22.94	24.5
20	PI/2 BPSK	1	53	23.24	23.30	23.25	
20	PI/2 BPSK	1	104	22.96	23.10	22.99	24.5
20	PI/2 BPSK	50	0	22.55	22.61	22.56	
20	PI/2 BPSK	50	28	23.08	23.17	23.11	24.5
20	PI/2 BPSK	50	56	22.56	22.66	22.55	
20	PI/2 BPSK	100	0	22.58	22.64	22.57	24.5
20	QPSK	1	1	22.90	23.00	22.93	
20	QPSK	1	53	23.19	23.26	23.20	24.5
20	QPSK	1	104	22.99	23.09	22.96	
20	QPSK	50	0	22.05	22.12	22.08	24.5
20	QPSK	50	28	23.09	23.17	23.14	
20	QPSK	50	56	22.09	22.16	22.07	24.5
20	QPSK	100	0	22.07	22.14	22.07	
20	16QAM	1	1	21.93	22.03	21.98	24.5
20	64QAM	1	1	20.46	20.50	20.45	
20	256QAM	1	1	16.69	17.02	16.99	19.8
Channel				371500	376500	381500	Tune-up limit (dBm).
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.60	22.70	22.69	24.5
Channel				371000	376500	382000	Tune-up limit (dBm).
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.09	22.98	22.99	24.5
Channel				370500	376500	382500	Tune-up limit (dBm).
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.06	22.97	22.99	24.5

n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.22	22.26	22.21	24.2
40	PI/2 BPSK	1	108	23.10	22.99	22.93	
40	PI/2 BPSK	1	214	22.46	22.44	22.44	23.8
40	PI/2 BPSK	108	0	22.18	22.12	22.01	
40	PI/2 BPSK	108	54	22.85	22.80	22.73	24.2
40	PI/2 BPSK	108	108	22.27	22.17	22.18	
40	PI/2 BPSK	216	0	22.69	22.63	22.61	23.8
40	QPSK	1	1	22.20	22.23	22.20	
40	QPSK	1	108	23.02	22.95	22.89	24.2
40	QPSK	1	214	22.41	22.41	22.42	
40	QPSK	108	0	21.68	21.62	21.50	23.3
40	QPSK	108	54	22.85	22.81	22.72	
40	QPSK	108	108	21.73	21.67	21.68	23.3
40	QPSK	216	0	21.69	21.62	21.63	
40	16QAM	1	1	21.24	21.31	21.22	23.3
40	64QAM	1	1	19.71	19.76	19.73	
40	256QAM	1	1	16.29	16.34	16.27	18.3
Channel				345000	349000	353000	tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.21	22.23	22.20	24.2
Channel				344000	349000	354000	tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.69	22.73	22.65	24.2
Channel				343500	349000	354500	tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.44	22.46	22.35	24.2
Channel				343000	349000	355000	tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.72	22.68	22.63	24.2
Channel				342500	349000	355500	tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.68	22.68	22.62	24.2

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	21.44	21.28	21.42	23.0
20	PI/2 BPSK	1	53	21.55	21.50	21.51	
20	PI/2 BPSK	1	104	21.47	21.32	21.44	
20	PI/2 BPSK	50	0	21.48	21.29	21.37	23.0
20	PI/2 BPSK	50	28	21.50	21.38	21.44	23.0
20	PI/2 BPSK	50	56	21.49	21.37	21.39	23.0
20	PI/2 BPSK	100	0	21.49	21.36	21.39	
20	QPSK	1	1	21.43	21.39	21.30	
20	QPSK	1	53	21.51	21.48	21.46	23.0
20	QPSK	1	104	21.48	21.40	21.39	
20	QPSK	50	0	21.48	21.36	21.28	22.0
20	QPSK	50	28	21.51	21.32	21.33	23.0
20	QPSK	50	56	21.50	21.43	21.46	22.0
20	QPSK	100	0	21.49	21.49	21.36	
20	16QAM	1	1	21.45	21.40	21.26	23.0
20	64QAM	1	1	20.36	20.26	20.31	22.2
20	256QAM	1	1	18.37	18.22	18.27	20.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.54	21.43	22.50	23.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.53	22.49	22.51	23.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.50	22.48	22.47	23.0

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	23.3
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.92	23.05	22.94	23.3
20	PI/2 BPSK	1	53	23.24	23.30	23.25	
20	PI/2 BPSK	1	104	22.96	23.10	22.99	23.3
20	PI/2 BPSK	50	0	22.55	22.61	22.56	
20	PI/2 BPSK	50	28	23.08	23.17	23.11	23.3
20	PI/2 BPSK	50	56	22.56	22.66	22.55	
20	PI/2 BPSK	100	0	22.58	22.64	22.57	23.3
20	QPSK	1	1	22.90	23.00	22.93	
20	QPSK	1	53	23.19	23.26	23.20	23.3
20	QPSK	1	104	22.99	23.09	22.96	
20	QPSK	50	0	22.05	22.12	22.08	23.3
20	QPSK	50	28	23.09	23.17	23.14	
20	QPSK	50	56	22.09	22.16	22.07	23.3
20	QPSK	100	0	22.07	22.14	22.07	
20	16QAM	1	1	21.93	22.03	21.98	23.3
20	64QAM	1	1	20.46	20.50	20.45	
20	256QAM	1	1	16.69	17.02	16.99	18.6
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.60	22.70	22.69	23.3
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.09	22.98	22.99	23.3
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.06	22.97	22.99	23.3

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	22.22	22.26	22.21	24.1
40	PI/2 BPSK	1	108	23.10	22.99	22.93	
40	PI/2 BPSK	1	214	22.46	22.44	22.44	
40	PI/2 BPSK	108	0	22.18	22.12	22.01	23.7
40	PI/2 BPSK	108	54	22.85	22.80	22.73	24.1
40	PI/2 BPSK	108	108	22.27	22.17	22.18	23.7
40	PI/2 BPSK	216	0	22.69	22.63	22.61	
40	QPSK	1	1	22.20	22.23	22.20	
40	QPSK	1	108	23.02	22.95	22.89	24.1
40	QPSK	1	214	22.41	22.41	22.42	
40	QPSK	108	0	21.68	21.62	21.50	23.2
40	QPSK	108	54	22.85	22.81	22.72	24.1
40	QPSK	108	108	21.73	21.67	21.68	23.2
40	QPSK	216	0	21.69	21.62	21.63	
40	16QAM	1	1	21.24	21.31	21.22	23.2
40	64QAM	1	1	19.71	19.76	19.73	21.7
40	256QAM	1	1	16.29	16.34	16.27	18.2
Channel				345000	349000	353000	tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.21	22.23	22.20	24.1
Channel				344000	349000	354000	tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.69	22.73	22.65	24.1
Channel				343500	349000	354500	tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.44	22.46	22.35	24.1
Channel				343000	349000	355000	tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.72	22.68	22.63	24.1
Channel				342500	349000	355500	tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.68	22.68	22.62	24.1

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	25.63	25.71	25.80	27.0
100	PI/2 BPSK	1	137	25.96	26.05	26.00	
100	PI/2 BPSK	1	271	25.98	25.84	25.73	
100	PI/2 BPSK	135	0	25.26	25.34	25.39	
100	PI/2 BPSK	135	69	25.90	26.03	25.94	
100	PI/2 BPSK	135	138	25.37	25.46	25.35	26.5
100	PI/2 BPSK	270	0	25.30	25.40	25.35	
100	QPSK	1	1	25.58	25.73	25.72	
100	QPSK	1	137	25.94	26.02	25.94	
100	QPSK	1	271	25.97	25.83	25.70	
100	QPSK	135	0	24.77	24.84	24.87	26.0
100	QPSK	135	69	25.90	26.00	25.95	
100	QPSK	135	138	24.88	24.97	24.87	
100	QPSK	270	0	24.81	24.91	24.84	
100	16QAM	1	1	24.65	24.91	24.76	
100	64QAM	1	1	22.96	23.07	23.06	24.5
100	256QAM	1	1	20.88	21.16	20.97	
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.67	25.78	25.82	27.0
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.77	25.78	25.81	27.0
Channel				505200	518598	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.81	25.77	25.86	27.0
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.28	26.08	26.01	27.0
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.32	26.09	25.98	27.0
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.36	26.10	25.95	27.0
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.06	26.17	25.92	27.0
Channel				500700	518598	536496	
Frequency (MHz)				2503.5	2592.99	2662.48	
15	PI/2 BPSK	1	1	24.85	26.19	25.92	27.0
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.20	26.18	25.95	27.0

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				508202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PV2 BPSK	1	1	24.73	24.74	24.78	25.5
100	PV2 BPSK	1	137	25.01	25.04	24.99	
100	PV2 BPSK	1	271	24.95	24.85	24.77	
100	PV2 BPSK	135	0	24.85	24.81	24.89	25.5
100	PV2 BPSK	135	69	24.96	25.02	24.97	25.5
100	PV2 BPSK	135	138	24.90	24.97	24.92	25.5
100	PV2 BPSK	270	0	24.84	24.86	24.89	
100	QPSK	1	1	24.71	24.70	24.73	
100	QPSK	1	137	24.99	25.01	24.98	25.5
100	QPSK	1	271	24.97	24.93	24.78	
100	QPSK	135	0	24.82	24.82	24.88	
100	QPSK	135	69	24.95	24.99	24.97	25.5
100	QPSK	135	138	24.90	24.92	24.90	25.5
100	QPSK	270	0	24.83	24.89	24.88	
100	16QAM	1	1	24.65	24.80	24.76	
100	64QAM	1	1	23.13	23.07	23.12	24.5
100	256QAM	1	1	21.18	21.16	21.10	22.5
Channel				508200	518598	528996	tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PV2 BPSK	1	1	25.03	24.76	24.92	25.5
Channel				507204	518598	529998	tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PV2 BPSK	1	1	25.01	24.77	24.90	25.5
Channel				508200	518598	531996	tune-up limit
Frequency (MHz)				2536	2592.99	2659.98	(dBm)
60	PV2 BPSK	1	1	24.99	24.75	24.98	25.5
Channel				504204	518598	532998	tune-up limit
Frequency (MHz)				2521.02	2592.99	2684.99	(dBm)
50	PV2 BPSK	1	1	25.02	25.02	24.73	25.5
Channel				503202	518598	534000	tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PV2 BPSK	1	1	25.01	25.01	24.96	25.5
Channel				502200	518598	534996	tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PV2 BPSK	1	1	25.03	25.03	24.96	25.5
Channel				501204	518598	535998	tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PV2 BPSK	1	1	25.01	25.03	24.97	25.5
Channel				500700	518598	536496	tune-up limit
Frequency (MHz)				2503.5	2592.99	2662.48	(dBm)
15	PV2 BPSK	1	1	24.99	25.01	24.98	25.5
Channel				500202	518598	537000	tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PV2 BPSK	1	1	25.01	25.02	24.98	25.5

n48_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				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	24.23	24.25	24.33	25.5
100	PI/2 BPSK	1	137	24.55	24.51	24.52	
100	PI/2 BPSK	1	271	24.52	24.49	24.47	
100	PI/2 BPSK	135	0	23.86	23.89	23.91	25.0
100	PI/2 BPSK	135	69	24.50	24.46	24.49	25.5
100	PI/2 BPSK	135	138	23.94	23.96	24.00	25.0
100	PI/2 BPSK	270	0	23.93	23.90	23.98	
100	QPSK	1	1	24.25	24.29	24.29	
100	QPSK	1	137	24.50	24.46	24.49	25.5
100	QPSK	1	271	24.49	24.44	24.46	
100	QPSK	135	0	23.36	23.39	23.40	24.5
100	QPSK	135	69	24.51	24.48	24.50	25.5
100	QPSK	135	138	23.43	23.45	23.49	24.5
100	QPSK	270	0	23.42	23.39	23.44	
100	16QAM	1	1	23.43	23.36	23.47	24.5
100	64QAM	1	1	21.71	21.84	21.75	23.0
100	256QAM	1	1	19.68	19.67	19.72	21.0
Channel				639668	641666	643666	tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	24.37	24.48	24.49	25.5

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	25.69	25.67	25.45	27.0
100	PI/2 BPSK	1	137	25.60	25.73	25.56	
100	PI/2 BPSK	1	271	25.63	25.73	25.20	
100	PI/2 BPSK	135	0	25.18	25.08	24.90	
100	PI/2 BPSK	135	69	25.58	25.76	25.54	
100	PI/2 BPSK	135	138	25.45	24.98	24.91	26.5
100	PI/2 BPSK	270	0	25.00	25.23	24.83	
100	QPSK	1	1	25.65	25.70	25.45	
100	QPSK	1	137	25.58	25.77	25.56	
100	QPSK	1	271	25.60	25.75	25.20	
100	QPSK	135	0	24.63	24.58	24.40	26.0
100	QPSK	135	69	25.55	25.76	25.53	
100	QPSK	135	138	24.91	24.48	24.40	
100	QPSK	270	0	24.50	24.72	24.34	
100	16QAM	1	1	24.76	24.82	24.58	
100	64QAM	1	1	22.90	22.92	22.88	24.5
100	256QAM	1	1	20.98	21.11	20.79	
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.97	25.69	26.03	27.0
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.08	25.70	26.03	
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	27.0
70	PI/2 BPSK	1	1	26.05	25.73	26.01	
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.07	25.70	26.06	
Channel				648334	656000	663666	27.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.00	25.82	25.97	
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.99	25.81	25.98	27.0
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.73	25.82	25.44	
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	27.0
20	PI/2 BPSK	1	1	25.92	25.85	25.56	
Channel				647000	656000	664999	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.09	25.86	25.40	
Channel				647000	656000	665000	27.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.11	25.86	25.49	

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			27.0
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		25.73		26.5
100	PI/2 BPSK	1	137		25.70		
100	PI/2 BPSK	1	271		25.79		27.0
100	PI/2 BPSK	135	0		25.26		
100	PI/2 BPSK	135	69		25.67		26.5
100	PI/2 BPSK	135	138		25.24		
100	PI/2 BPSK	270	0		25.11		26.5
100	QPSK	1	1		25.72		
100	QPSK	1	137		25.83		27.0
100	QPSK	1	271		25.78		
100	QPSK	135	0		24.75		26.0
100	QPSK	135	69		25.67		
100	QPSK	135	138		24.74		26.0
100	QPSK	270	0		25.00		
100	16QAM	1	1		24.77		26.0
100	64QAM	1	1		23.04		
100	256QAM	1	1		21.09		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.69	25.71	25.64	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.74	25.71	25.67	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.80	25.70	25.73	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.86	25.72	25.71	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.97	25.79	25.75	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.94	25.80	25.87	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.95	25.78	25.86	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.16	26.00	25.95	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.15	25.98	25.91	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.11	25.98	25.92	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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.53	23.43	23.31	25.3
100	PI/2 BPSK	1	137	23.43	23.53	23.42	
100	PI/2 BPSK	1	271	23.42	23.50	23.32	
100	PI/2 BPSK	135	0	23.48	23.36	23.31	
100	PI/2 BPSK	135	69	23.42	23.53	23.40	
100	PI/2 BPSK	135	138	23.76	23.45	23.32	24.3
100	PI/2 BPSK	270	0	23.32	23.52	23.33	
100	QPSK	1	1	23.52	23.44	23.34	
100	QPSK	1	137	23.41	23.50	23.38	
100	QPSK	1	271	23.43	23.51	23.33	
100	QPSK	135	0	23.48	23.36	23.35	24.3
100	QPSK	135	69	23.41	23.49	23.39	
100	QPSK	135	138	23.75	23.33	23.31	
100	QPSK	270	0	23.32	23.49	23.30	
100	16QAM	1	1	23.50	23.51	23.33	
100	64QAM	1	1	22.71	22.78	22.66	22.8
100	256QAM	1	1	20.74	20.72	20.75	
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.86	23.92	23.71	25.3
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.93	23.95	23.67	25.3
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.90	23.91	23.65	25.3
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.94	23.90	23.68	25.3
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.90	23.95	23.70	25.3
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.95	23.91	23.67	25.3
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.94	23.92	23.69	25.3
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.91	23.89	23.70	25.3
Channel				647168	656000	664832	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.92	23.89	23.69	25.3
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.92	23.93	23.66	25.3

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	633332	633332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI/2 BPSK	1	1		23.55		25.3
100	PI/2 BPSK	1	137		23.77		
100	PI/2 BPSK	1	271		23.70		
100	PI/2 BPSK	135	0		23.43		
100	PI/2 BPSK	135	69		23.50		25.3
100	PI/2 BPSK	135	138		23.30		24.3
100	PI/2 BPSK	270	0		23.43		
100	QPSK	1	1		23.53		25.3
100	QPSK	1	137		23.67		
100	QPSK	1	271		23.69		
100	QPSK	135	0		23.58		
100	QPSK	135	69		23.40		25.3
100	QPSK	135	138		23.58		24.3
100	QPSK	270	0		23.44		
100	16QAM	1	1		23.63		24.3
100	64QAM	1	1		22.74		22.8
100	256QAM	1	1		20.76		20.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.79	23.77	23.75	25.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.69	23.81	23.74	25.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.67	23.84	23.70	25.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.71	23.80	23.69	25.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.76	23.89	23.66	25.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.78	23.88	23.75	25.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.70	23.85	23.73	25.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.71	23.86	23.69	25.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.69	23.84	23.66	25.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.69	23.88	23.73	25.3

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	21.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.29	20.40	20.31	21.5
100	PI/2 BPSK	1	137	20.61	20.69	20.61	
100	PI/2 BPSK	1	271	20.36	20.40	20.40	21.5
100	PI/2 BPSK	135	0	20.38	20.35	20.27	
100	PI/2 BPSK	135	69	20.47	20.57	20.47	21.5
100	PI/2 BPSK	135	138	20.46	20.56	20.49	
100	PI/2 BPSK	270	0	20.44	20.43	20.45	21.5
100	QPSK	1	1	20.35	20.35	20.36	
100	QPSK	1	137	20.57	20.63	20.56	21.5
100	QPSK	1	271	20.30	20.38	20.43	
100	QPSK	135	0	20.36	20.38	20.37	21.5
100	QPSK	135	69	20.49	20.56	20.59	
100	QPSK	135	138	20.56	20.53	20.40	20.5
100	QPSK	270	0	20.39	20.49	20.37	
100	16QAM	1	1	20.37	20.32	20.30	21.5
100	64QAM	1	1	20.11	20.31	20.18	
100	256QAM	1	1	20.22	20.25	20.30	21.5
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.27	20.38	20.35	21.5
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.32	20.45	20.28	21.5
Channel				508200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.26	20.37	20.47	21.5
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.57	20.52	20.41	21.5
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.26	20.42	20.39	21.5
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.57	20.50	20.45	21.5
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.43	20.30	20.23	21.5
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2662.48	
15	PI/2 BPSK	1	1	20.27	20.30	20.32	21.5
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.26	20.37	20.31	21.5

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				508202	518598	528000	18.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.19	17.30	17.21	18.5
100	PI/2 BPSK	1	137	17.41	17.50	17.41	
100	PI/2 BPSK	1	271	17.26	17.30	17.30	18.5
100	PI/2 BPSK	135	0	17.28	17.25	17.17	
100	PI/2 BPSK	135	69	17.37	17.47	17.39	18.5
100	PI/2 BPSK	135	138	17.36	17.46	17.37	
100	PI/2 BPSK	270	0	17.34	17.36	17.35	18.5
100	QPSK	1	1	17.25	17.25	17.26	
100	QPSK	1	137	17.47	17.53	17.46	18.5
100	QPSK	1	271	17.20	17.28	17.33	
100	QPSK	135	0	17.28	17.28	17.27	18.5
100	QPSK	135	69	17.39	17.46	17.40	
100	QPSK	135	138	17.46	17.43	17.30	18.5
100	QPSK	270	0	17.29	17.39	17.27	
100	16QAM	1	1	17.27	17.22	17.20	18.5
100	64QAM	1	1	17.01	17.21	17.08	
100	256QAM	1	1	17.12	17.15	17.20	18.5
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.17	17.28	17.25	18.5
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.22	17.35	17.18	18.5
Channel				508200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.16	17.27	17.37	18.5
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	17.47	17.42	17.31	18.5
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.16	17.32	17.29	18.5
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.47	17.40	17.35	18.5
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.33	17.20	17.13	18.5
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.17	17.25	17.22	18.5
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.16	17.27	17.21	18.5

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	20.3
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.89	18.97	18.89	20.3
100	PI/2 BPSK	1	137	19.20	19.28	19.12	
100	PI/2 BPSK	1	271	18.91	18.98	18.90	20.3
100	PI/2 BPSK	135	0	18.98	18.91	18.79	
100	PI/2 BPSK	135	69	19.02	19.13	18.99	20.3
100	PI/2 BPSK	135	138	18.99	19.12	19.06	
100	PI/2 BPSK	270	0	19.03	18.97	19.04	20.3
100	QPSK	1	1	18.87	18.90	18.94	
100	QPSK	1	137	19.09	19.14	19.16	20.3
100	QPSK	1	271	18.83	18.95	18.93	
100	QPSK	135	0	18.88	18.86	18.97	20.3
100	QPSK	135	69	19.00	19.16	19.10	
100	QPSK	135	138	19.08	19.09	18.99	19.3
100	QPSK	270	0	18.97	19.04	18.93	
100	16QAM	1	1	18.95	18.84	18.83	20.3
100	64QAM	1	1	18.62	18.91	18.73	
100	256QAM	1	1	18.82	18.76	18.89	20.3
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.85	18.90	18.85	20.3
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.91	18.98	18.85	20.3
Channel				508200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
80	PI/2 BPSK	1	1	18.77	18.89	18.99	20.3
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	19.11	19.09	18.96	20.3
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.84	18.95	18.90	20.3
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.07	19.02	18.99	20.3
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.93	18.85	18.80	20.3
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.83	18.80	18.82	20.3
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.79	18.87	18.81	20.3

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				508202	518598	528000	17.3
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.84	15.97	15.87	17.3
100	PI/2 BPSK	1	137	16.16	16.27	16.22	
100	PI/2 BPSK	1	271	15.90	16.00	16.00	17.3
100	PI/2 BPSK	135	0	16.00	15.89	15.86	
100	PI/2 BPSK	135	69	16.10	16.19	16.14	17.3
100	PI/2 BPSK	135	138	16.08	16.16	16.07	
100	PI/2 BPSK	270	0	16.00	16.08	16.06	17.3
100	QPSK	1	1	15.91	15.94	15.93	
100	QPSK	1	137	16.16	16.17	16.18	17.3
100	QPSK	1	271	15.87	15.96	15.97	
100	QPSK	135	0	16.00	15.94	15.92	17.3
100	QPSK	135	69	16.07	16.20	16.22	
100	QPSK	135	138	16.12	16.07	16.00	17.3
100	QPSK	270	0	15.94	16.05	16.00	
100	16QAM	1	1	15.91	15.87	15.90	17.3
100	64QAM	1	1	15.68	15.94	15.79	
100	256QAM	1	1	15.86	15.88	15.87	17.3
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	17.3
90	PI/2 BPSK	1	1	15.91	15.97	15.95	
Channel				507204	518598	529998	17.3
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.91	16.04	15.83	17.3
Channel				508200	518598	531996	
Frequency (MHz)				2536	2592.99	2659.98	17.3
80	PI/2 BPSK	1	1	15.87	15.91	16.08	
Channel				504204	518598	532998	17.3
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.15	16.08	16.01	17.3
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	17.3
40	PI/2 BPSK	1	1	15.89	16.04	15.97	
Channel				502200	518598	534996	17.3
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.18	16.05	16.09	17.3
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	17.3
20	PI/2 BPSK	1	1	16.03	15.94	15.78	
Channel				500700	518598	536496	17.3
Frequency (MHz)				2503.5	2592.99	2662.48	
15	PI/2 BPSK	1	1	15.84	15.91	15.67	17.3
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	17.3
10	PI/2 BPSK	1	1	15.84	15.96	15.88	

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				#DIV/0!	#DIV/0!	#DIV/0!	
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!	
100	PI/2 BPSK	1	1	23.42	23.53	23.51	23.9
100	PI/2 BPSK	1	137	23.58	23.57	23.53	
100	PI/2 BPSK	1	271	23.35	23.51	23.50	
100	PI/2 BPSK	135	0	23.53	23.68	23.52	
100	PI/2 BPSK	135	69	23.58	23.66	23.67	
100	PI/2 BPSK	135	138	23.36	23.32	23.32	
100	PI/2 BPSK	270	0	23.51	23.53	23.33	23.9
100	QPSK	1	1	23.50	23.57	23.46	
100	QPSK	1	137	23.35	23.36	23.43	
100	QPSK	1	271	23.38	23.45	23.37	
100	QPSK	135	0	23.35	23.47	23.44	
100	QPSK	135	69	23.33	23.45	23.33	
100	QPSK	135	138	23.34	23.30	23.33	23.9
100	QPSK	270	0	23.38	23.36	23.37	
100	16QAM	1	1	23.53	23.58	23.53	
100	64QAM	1	1	23.40	23.51	23.44	
100	256QAM	1	1	21.18	21.05	20.87	
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!	
90	PI/2 BPSK	1	1	23.53	23.39	23.40	23.9
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)
Frequency (MHz)				#DIV/0!	#DIV/0!	#DIV/0!	
80	PI/2 BPSK	1	1	23.52	23.51	23.24	23.9
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.49	23.40	23.37	23.9
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.98	
50	PI/2 BPSK	1	1	23.47	23.51	23.34	23.9
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.44	23.41	23.35	23.9
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.43	23.37	23.39	23.9
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.52	23.45	23.37	23.9
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2662.48	
15	PI/2 BPSK	1	1	23.43	23.47	23.34	23.9
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.48	23.39	23.40	23.9

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				508202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.58	20.61	20.61	20.9
100	PI/2 BPSK	1	137	20.77	20.82	20.74	
100	PI/2 BPSK	1	271	20.54	20.61	20.56	
100	PI/2 BPSK	135	0	20.66	20.66	20.58	
100	PI/2 BPSK	135	69	20.83	20.88	20.78	
100	PI/2 BPSK	135	138	20.60	20.68	20.66	20.9
100	PI/2 BPSK	270	0	20.63	20.72	20.67	
100	QPSK	1	1	20.62	20.62	20.55	
100	QPSK	1	137	20.73	20.79	20.79	
100	QPSK	1	271	20.56	20.64	20.60	
100	QPSK	135	0	20.64	20.72	20.72	20.9
100	QPSK	135	69	20.63	20.68	20.61	
100	QPSK	135	138	20.63	20.65	20.60	
100	QPSK	270	0	20.67	20.69	20.60	
100	16QAM	1	1	20.56	20.63	20.55	
100	64QAM	1	1	20.50	20.56	20.49	20.9
100	256QAM	1	1	20.52	20.53	20.44	
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.63	20.65	20.56	20.9
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.53	20.58	20.55	
Channel				508200	518598	531996	
Frequency (MHz)				2536	2592.99	2659.98	20.9
60	PI/2 BPSK	1	1	20.56	20.57	20.51	
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.53	20.55	20.47	
Channel				503202	518598	534000	20.9
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.62	20.59	20.47	
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.59	20.60	20.50	20.9
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.60	20.61	20.50	
Channel				500700	518598	536496	
Frequency (MHz)				2503.5	2592.99	2682.48	20.9
15	PI/2 BPSK	1	1	20.62	20.65	20.55	
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.60	20.60	20.46	

n48_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				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	24.23	24.25	24.33	25.5
100	PI/2 BPSK	1	137	24.55	24.51	24.52	
100	PI/2 BPSK	1	271	24.52	24.49	24.47	
100	PI/2 BPSK	135	0	23.86	23.89	23.91	25.0
100	PI/2 BPSK	135	69	24.50	24.46	24.49	25.5
100	PI/2 BPSK	135	138	23.94	23.96	24.00	25.0
100	PI/2 BPSK	270	0	23.93	23.90	23.98	
100	QPSK	1	1	24.25	24.29	24.29	
100	QPSK	1	137	24.50	24.46	24.49	25.5
100	QPSK	1	271	24.49	24.44	24.46	
100	QPSK	135	0	23.36	23.39	23.40	25.5
100	QPSK	135	69	24.51	24.48	24.50	25.5
100	QPSK	135	138	23.43	23.45	23.49	25.5
100	QPSK	270	0	23.42	23.39	23.44	
100	16QAM	1	1	23.43	23.36	23.47	24.5
100	64QAM	1	1	21.71	21.84	21.75	23.0
100	256QAM	1	1	19.68	19.67	19.72	21.0
Channel				639668	641666	643666	tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	24.37	24.48	24.49	25.5

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	23.46	23.47	23.48	25.1
100	PI/2 BPSK	1	137	23.57	23.94	23.52	
100	PI/2 BPSK	1	271	23.42	23.54	23.50	
100	PI/2 BPSK	135	0	23.30	23.37	23.31	
100	PI/2 BPSK	135	69	23.52	23.75	23.48	
100	PI/2 BPSK	135	138	23.46	23.61	23.41	25.1
100	PI/2 BPSK	270	0	23.53	23.62	23.40	
100	QPSK	1	1	23.31	23.50	23.42	
100	QPSK	1	137	23.49	23.93	23.45	
100	QPSK	1	271	23.51	23.67	23.47	
100	QPSK	135	0	23.35	23.53	23.37	25.1
100	QPSK	135	69	23.48	23.91	23.51	
100	QPSK	135	138	23.46	23.73	23.45	
100	QPSK	270	0	23.38	23.80	23.42	
100	16QAM	1	1	23.45	23.57	23.43	
100	64QAM	1	1	22.90	23.02	22.85	24.5
100	256QAM	1	1	20.89	20.99	20.96	22.5
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.37	23.46	23.37	25.1
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.38	23.36	23.30	25.1
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.40	23.35	23.38	25.1
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.45	23.37	23.40	25.1
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.27	23.29	23.42	25.1
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.37	23.43	23.48	25.1
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.42	23.41	23.44	25.1
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.38	23.41	23.30	25.1
Channel				647168	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.27	23.42	23.45	25.1
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.42	23.45	23.37	25.1

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		23.61		25.1
100	PI/2 BPSK	1	137		23.88		
100	PI/2 BPSK	1	271		23.55		25.1
100	PI/2 BPSK	135	0		23.85		
100	PI/2 BPSK	135	69		23.86		25.1
100	PI/2 BPSK	135	138		23.58		
100	PI/2 BPSK	270	0		23.60		25.1
100	QPSK	1	1		23.30		
100	QPSK	1	137		23.82		25.1
100	QPSK	1	271		23.56		
100	QPSK	135	0		23.39		25.1
100	QPSK	135	69		23.72		
100	QPSK	135	138		23.72		25.1
100	QPSK	270	0		23.79		
100	16QAM	1	1		23.39		25.1
100	64QAM	1	1		22.96		
100	256QAM	1	1		20.89		22.5
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.53	23.52	23.41	25.1
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.54	23.48	23.58	25.1
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.49	23.50	23.54	25.1
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.59	23.49	23.60	25.1
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.49	23.56	23.55	25.1
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.58	23.41	23.46	25.1
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.46	23.54	23.48	25.1
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.41	23.40	23.54	25.1
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.57	23.59	23.41	25.1
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.53	23.47	23.60	25.1

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	21.39	21.57	21.40	22.1
100	PI/2 BPSK	1	137	21.76	21.88	21.40	
100	PI/2 BPSK	1	271	21.50	21.62	21.60	
100	PI/2 BPSK	135	0	21.27	21.47	21.38	
100	PI/2 BPSK	135	69	21.77	21.84	21.66	
100	PI/2 BPSK	135	138	21.58	21.67	21.53	
100	PI/2 BPSK	270	0	21.60	21.81	21.66	22.1
100	QPSK	1	1	21.54	21.54	21.39	
100	QPSK	1	137	21.80	21.87	21.82	
100	QPSK	1	271	21.49	21.63	21.60	
100	QPSK	135	0	21.39	21.44	21.30	
100	QPSK	135	69	21.77	21.84	21.82	
100	QPSK	135	138	21.62	21.63	21.58	22.1
100	QPSK	270	0	21.72	21.74	21.67	
100	16QAM	1	1	21.45	21.55	21.48	
100	64QAM	1	1	21.37	21.49	21.39	
100	256QAM	1	1	20.73	20.92	20.75	
Channel				649668	656000	662332	tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	21.27	21.56	21.27	22.1
Channel				649334	656000	662666	tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	21.26	21.54	21.39	22.1
Channel				649000	656000	663000	tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	21.24	21.52	21.30	22.1
Channel				648668	656000	663332	tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	21.31	21.41	21.34	22.1
Channel				648334	656000	663666	tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	21.31	21.45	21.40	22.1
Channel				648000	656000	664000	tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	21.39	21.44	21.36	22.1
Channel				647668	656000	664332	tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	21.30	21.56	21.25	22.1
Channel				647334	656000	664666	tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	21.28	21.41	21.27	22.1
Channel				647000	656000	664832	tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	21.36	21.55	21.32	22.1
Channel				647000	656000	665000	tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	21.37	21.54	21.29	22.1

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	633332	633332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI/2 BPSK	1	1		21.66		22.1
100	PI/2 BPSK	1	137		21.92		
100	PI/2 BPSK	1	271		21.66		
100	PI/2 BPSK	135	0		21.50		
100	PI/2 BPSK	135	69		21.89		
100	PI/2 BPSK	135	138		21.71		22.1
100	PI/2 BPSK	270	0		21.75		
100	QPSK	1	1		21.74		
100	QPSK	1	137		21.88		
100	QPSK	1	271		21.65		
100	QPSK	135	0		21.84		22.1
100	QPSK	135	69		21.87		
100	QPSK	135	138		21.58		
100	QPSK	270	0		21.78		
100	16QAM	1	1		21.77		
100	64QAM	1	1		21.70		22.1
100	256QAM	1	1		20.75		
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.52	21.58	21.56	22.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.54	21.61	21.65	
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.50	21.50	21.61	22.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.98	
60	PI/2 BPSK	1	1	21.59	21.46	21.55	
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.47	21.51	21.48	22.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.58	21.51	21.62	
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.66	21.55	21.51	22.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.64	21.54	21.50	
Channel				630334	633332	636332	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.55	21.62	21.48	22.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.57	21.57	21.64	

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	26.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.87	24.99	25.00	26.5
100	PI/2 BPSK	1	137	24.90	25.02	25.01	
100	PI/2 BPSK	1	271	24.76	24.97	24.93	26.5
100	PI/2 BPSK	135	0	25.01	25.15	24.97	
100	PI/2 BPSK	135	69	25.15	25.16	25.14	26.5
100	PI/2 BPSK	135	138	24.70	24.76	24.72	
100	PI/2 BPSK	270	0	24.97	24.99	24.82	26.5
100	QPSK	1	1	24.98	24.97	24.85	
100	QPSK	1	137	24.73	24.79	24.69	26.5
100	QPSK	1	271	24.82	24.95	24.73	
100	QPSK	135	0	24.85	24.89	24.87	26.0
100	QPSK	135	69	24.75	24.93	24.76	
100	QPSK	135	138	24.89	24.78	24.64	26.0
100	QPSK	270	0	24.68	24.81	24.61	
100	16QAM	1	1	24.68	24.70	24.70	26.0
100	64QAM	1	1	23.54	23.66	23.62	
100	256QAM	1	1	21.84	21.65	21.53	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.93	24.80	24.80	26.5
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)
80	PI/2 BPSK	1	1	24.97	24.89	24.64	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
60	PI/2 BPSK	1	1	24.84	24.82	24.79	26.5
Channel				505200	518598	531996	
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)
50	PI/2 BPSK	1	1	24.84	24.87	24.67	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
40	PI/2 BPSK	1	1	24.82	24.82	24.68	26.5
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)
30	PI/2 BPSK	1	1	24.80	24.79	24.82	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
20	PI/2 BPSK	1	1	24.95	24.88	24.81	26.5
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)
15	PI/2 BPSK	1	1	24.79	24.80	24.72	
Channel				500700	518598	536996	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
10	PI/2 BPSK	1	1	24.87	24.95	24.76	26.5

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				508202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.68	21.79	21.71	23.5
100	PI/2 BPSK	1	137	21.87	21.94	21.83	
100	PI/2 BPSK	1	271	21.74	21.79	21.71	
100	PI/2 BPSK	135	0	21.84	21.85	21.68	
100	PI/2 BPSK	135	69	21.85	21.87	21.86	
100	PI/2 BPSK	135	138	21.72	21.85	21.83	23.5
100	PI/2 BPSK	270	0	21.74	21.86	21.83	23.5
100	QPSK	1	1	21.75	21.81	21.73	
100	QPSK	1	137	21.85	21.87	21.92	
100	QPSK	1	271	21.66	21.74	21.79	
100	QPSK	135	0	21.80	21.88	21.92	
100	QPSK	135	69	21.75	21.87	21.74	23.5
100	QPSK	135	138	21.79	21.81	21.76	23.5
100	QPSK	270	0	21.82	21.85	21.79	
100	16QAM	1	1	21.76	21.75	21.67	
100	64QAM	1	1	21.67	21.76	21.65	
100	256QAM	1	1	21.18	21.12	21.04	
Channel				508200	518598	528996	tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	21.79	21.80	21.74	23.5
Channel				507204	518598	529998	tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	21.68	21.68	21.65	23.5
Channel				505200	518598	531996	tune-up limit
Frequency (MHz)				2536	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	21.68	21.72	21.68	23.5
Channel				504204	518598	532998	tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	21.64	21.70	21.58	23.5
Channel				503202	518598	534000	tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	21.80	21.79	21.60	23.5
Channel				502200	518598	534996	tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	21.73	21.71	21.61	23.5
Channel				501204	518598	535998	tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	21.70	21.78	21.63	23.5
Channel				500700	518598	536496	tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	21.77	21.85	21.71	23.5
Channel				500202	518598	537000	tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	21.70	21.72	21.63	23.5

n48_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				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	24.23	24.25	24.33	25.5
100	PI/2 BPSK	1	137	24.55	24.51	24.52	
100	PI/2 BPSK	1	271	24.52	24.49	24.47	
100	PI/2 BPSK	135	0	23.86	23.89	23.91	25.0
100	PI/2 BPSK	135	69	24.50	24.46	24.49	25.5
100	PI/2 BPSK	135	138	23.94	23.96	24.00	25.0
100	PI/2 BPSK	270	0	23.93	23.90	23.98	
100	QPSK	1	1	24.25	24.29	24.29	
100	QPSK	1	137	24.50	24.46	24.49	25.5
100	QPSK	1	271	24.49	24.44	24.46	
100	QPSK	135	0	23.36	23.39	23.40	25.5
100	QPSK	135	69	24.51	24.48	24.50	25.5
100	QPSK	135	138	23.43	23.45	23.49	25.5
100	QPSK	270	0	23.42	23.39	23.44	
100	16QAM	1	1	23.43	23.36	23.47	24.5
100	64QAM	1	1	21.71	21.84	21.75	23.0
100	256QAM	1	1	19.68	19.67	19.72	21.0
Channel				639668	641666	643666	tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	24.37	24.48	24.49	25.5

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	25.69	25.67	25.45	26.3
100	PI/2 BPSK	1	137	25.60	25.77	25.56	
100	PI/2 BPSK	1	271	25.63	25.73	25.20	
100	PI/2 BPSK	135	0	25.18	25.08	24.90	
100	PI/2 BPSK	135	69	25.58	25.76	25.54	
100	PI/2 BPSK	135	138	25.45	24.98	24.91	
100	PI/2 BPSK	270	0	25.00	25.23	24.83	26.3
100	QPSK	1	1	25.65	25.70	25.45	
100	QPSK	1	137	25.58	25.75	25.56	
100	QPSK	1	271	25.60	25.75	25.20	
100	QPSK	135	0	24.63	24.58	24.40	
100	QPSK	135	69	25.55	25.76	25.53	
100	QPSK	135	138	24.91	24.48	24.40	26.3
100	QPSK	270	0	24.50	24.72	24.34	
100	16QAM	1	1	24.76	24.82	24.58	
100	64QAM	1	1	22.90	22.92	22.88	
100	256QAM	1	1	20.98	21.11	20.79	
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.97	25.69	26.03	26.3
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.08	25.70	26.03	26.3
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.01	25.75	26.10	26.3
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.07	25.70	26.06	26.3
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.00	25.82	25.97	26.3
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.99	25.81	25.98	26.3
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.73	25.82	25.44	26.3
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.92	25.85	25.56	26.3
Channel				647000	656000	664999	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.09	25.86	25.49	26.3
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.11	25.86	25.49	26.3

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			26.3
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		25.73		26.3
100	PI/2 BPSK	1	137		25.70		
100	PI/2 BPSK	1	271		25.89		26.3
100	PI/2 BPSK	135	0		25.26		
100	PI/2 BPSK	135	69		25.67		26.3
100	PI/2 BPSK	135	138		25.24		
100	PI/2 BPSK	270	0		25.11		26.3
100	QPSK	1	1		25.72		
100	QPSK	1	137		25.69		26.3
100	QPSK	1	271		25.88		
100	QPSK	135	0		24.75		26.3
100	QPSK	135	69		25.67		
100	QPSK	135	138		24.74		26.3
100	QPSK	270	0		25.00		
100	16QAM	1	1		24.77		26.3
100	64QAM	1	1		23.04		
100	256QAM	1	1		21.09		26.3
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.69	25.71	25.64	26.3
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.74	25.71	25.67	26.3
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.80	25.81	25.69	26.3
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.98	
60	PI/2 BPSK	1	1	25.86	25.72	25.71	26.3
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.97	25.79	25.75	26.3
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.94	25.80	25.87	26.3
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.95	25.78	25.86	26.3
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.16	26.00	25.95	26.3
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.15	25.98	25.91	26.3
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.11	25.98	25.92	26.3

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	21.39	21.57	21.40	23.3
100	PI/2 BPSK	1	137	21.76	21.88	21.40	
100	PI/2 BPSK	1	271	21.50	21.62	21.60	
100	PI/2 BPSK	135	0	21.27	21.47	21.38	
100	PI/2 BPSK	135	69	21.77	21.84	21.66	
100	PI/2 BPSK	135	138	21.58	21.67	21.53	23.3
100	PI/2 BPSK	270	0	21.60	21.81	21.66	
100	QPSK	1	1	21.54	21.54	21.39	
100	QPSK	1	137	21.80	21.87	21.82	
100	QPSK	1	271	21.49	21.63	21.60	
100	QPSK	135	0	21.39	21.44	21.30	23.3
100	QPSK	135	69	21.77	21.84	21.82	23.3
100	QPSK	135	138	21.62	21.63	21.58	23.3
100	QPSK	270	0	21.72	21.74	21.67	
100	16QAM	1	1	21.45	21.55	21.48	
100	64QAM	1	1	21.37	21.49	21.39	
100	256QAM	1	1	20.73	20.92	20.75	
Channel				649668	656000	662332	tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	21.27	21.56	21.27	23.3
Channel				649334	656000	662666	tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	21.26	21.54	21.39	23.3
Channel				649000	656000	663000	tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	21.20	21.50	21.30	23.3
Channel				648668	656000	663332	tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	21.31	21.41	21.34	23.3
Channel				648334	656000	663666	tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	21.31	21.45	21.40	23.3
Channel				648000	656000	664000	tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	21.39	21.44	21.36	23.3
Channel				647668	656000	664332	tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	21.30	21.56	21.25	23.3
Channel				647334	656000	664666	tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	21.28	21.41	21.27	23.3
Channel				647000	656000	664832	tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	21.36	21.55	21.32	23.3
Channel				647000	656000	665000	tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	21.37	21.54	21.29	23.3

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	633332	633332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI/2 BPSK	1	1		21.66		23.3
100	PI/2 BPSK	1	137		21.92		
100	PI/2 BPSK	1	271		21.66		
100	PI/2 BPSK	135	0		21.50		
100	PI/2 BPSK	135	69		21.89		23.3
100	PI/2 BPSK	135	138		21.71		23.3
100	PI/2 BPSK	270	0		21.75		
100	QPSK	1	1		21.74		23.3
100	QPSK	1	137		21.88		
100	QPSK	1	271		21.65		
100	QPSK	135	0		21.84		
100	QPSK	135	69		21.87		23.3
100	QPSK	135	138		21.58		23.3
100	QPSK	270	0		21.78		
100	16QAM	1	1		21.77		23.3
100	64QAM	1	1		21.70		23.3
100	256QAM	1	1		20.75		22.2
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	21.52	21.58	21.56	23.3
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	21.54	21.61	21.65	23.3
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	21.50	21.57	21.60	23.3
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.98	(dBm)
60	PI/2 BPSK	1	1	21.59	21.46	21.55	23.3
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	21.47	21.51	21.48	23.3
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	21.58	21.51	21.62	23.3
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	21.66	21.55	21.51	23.3
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	21.64	21.54	21.50	23.3
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	21.55	21.62	21.48	23.3
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	21.57	21.57	21.64	23.3

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	25.3
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.42	23.53	23.51	25.3
100	PI/2 BPSK	1	137	23.58	23.57	23.53	
100	PI/2 BPSK	1	271	23.35	23.51	23.50	25.3
100	PI/2 BPSK	135	0	23.53	23.68	23.52	
100	PI/2 BPSK	135	69	23.58	23.66	23.67	25.3
100	PI/2 BPSK	135	138	23.36	23.32	23.32	
100	PI/2 BPSK	270	0	23.51	23.53	23.33	25.3
100	QPSK	1	1	23.50	23.57	23.46	
100	QPSK	1	137	23.35	23.36	23.43	25.3
100	QPSK	1	271	23.38	23.45	23.37	
100	QPSK	135	0	23.35	23.47	23.44	25.3
100	QPSK	135	69	23.33	23.45	23.33	
100	QPSK	135	138	23.34	23.30	23.33	25.3
100	QPSK	270	0	23.38	23.36	23.37	
100	16QAM	1	1	23.53	23.58	23.53	25.0
100	64QAM	1	1	23.40	23.51	23.44	
100	256QAM	1	1	21.18	21.05	20.87	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.53	23.39	23.40	25.3
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.52	23.51	23.24	25.3
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.49	23.40	23.37	25.3
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	23.47	23.51	23.34	25.3
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.44	23.41	23.35	25.3
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.43	23.37	23.39	25.3
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.52	23.45	23.37	25.3
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.43	23.47	23.34	25.3
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.48	23.39	23.40	25.3

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				508202	518598	528000	22.3
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.58	20.61	20.61	22.3
100	PI/2 BPSK	1	137	20.77	20.82	20.74	
100	PI/2 BPSK	1	271	20.54	20.61	20.56	22.3
100	PI/2 BPSK	135	0	20.66	20.66	20.58	
100	PI/2 BPSK	135	69	20.83	20.88	20.78	22.3
100	PI/2 BPSK	135	138	20.60	20.68	20.66	
100	PI/2 BPSK	270	0	20.63	20.72	20.67	22.3
100	QPSK	1	1	20.62	20.62	20.55	
100	QPSK	1	137	20.73	20.79	20.79	22.3
100	QPSK	1	271	20.56	20.64	20.60	
100	QPSK	135	0	20.64	20.72	20.72	22.3
100	QPSK	135	69	20.63	20.68	20.61	
100	QPSK	135	138	20.63	20.65	20.60	22.3
100	QPSK	270	0	20.67	20.69	20.60	
100	16QAM	1	1	20.56	20.63	20.55	22.3
100	64QAM	1	1	20.50	20.56	20.49	
100	256QAM	1	1	20.52	20.53	20.44	22.3
Channel				508200	518598	528996	tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	20.63	20.65	20.56	22.3
Channel				507204	518598	529998	tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	20.53	20.58	20.55	22.3
Channel				508200	518598	531996	tune-up limit
Frequency (MHz)				2536	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	20.56	20.57	20.51	22.3
Channel				504204	518598	532998	tune-up limit
Frequency (MHz)				2521.02	2592.99	2684.99	(dBm)
50	PI/2 BPSK	1	1	20.53	20.55	20.47	22.3
Channel				503202	518598	534000	tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	20.62	20.59	20.47	22.3
Channel				502200	518598	534996	tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	20.59	20.60	20.50	22.3
Channel				501204	518598	535998	tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	20.60	20.61	20.50	22.3
Channel				500700	518598	536496	tune-up limit
Frequency (MHz)				2503.5	2592.99	2662.48	(dBm)
15	PI/2 BPSK	1	1	20.62	20.65	20.55	22.3
Channel				500202	518598	537000	tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	20.60	20.60	20.46	22.3

n48_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				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	24.23	24.25	24.33	25.5
100	PI/2 BPSK	1	137	24.55	24.51	24.52	
100	PI/2 BPSK	1	271	24.52	24.49	24.47	
100	PI/2 BPSK	135	0	23.86	23.89	23.91	25.0
100	PI/2 BPSK	135	69	24.50	24.46	24.49	25.5
100	PI/2 BPSK	135	138	23.94	23.96	24.00	25.0
100	PI/2 BPSK	270	0	23.93	23.90	23.98	
100	QPSK	1	1	24.25	24.29	24.29	
100	QPSK	1	137	24.50	24.46	24.49	25.5
100	QPSK	1	271	24.49	24.44	24.46	
100	QPSK	135	0	23.36	23.39	23.40	25.5
100	QPSK	135	69	24.51	24.48	24.50	25.5
100	QPSK	135	138	23.43	23.45	23.49	25.5
100	QPSK	270	0	23.42	23.39	23.44	
100	16QAM	1	1	23.43	23.36	23.47	24.5
100	64QAM	1	1	21.71	21.84	21.75	23.0
100	256QAM	1	1	19.68	19.67	19.72	21.0
Channel				639668	641666	643666	tune-up limit
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	tune-up limit
Frequency (MHz)				3590.01	3624.99	3660	(dBm)
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	tune-up limit
Frequency (MHz)				3580.02	3624.99	3669.99	(dBm)
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	tune-up limit
Frequency (MHz)				3575.01	3624.99	3675	(dBm)
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	tune-up limit
Frequency (MHz)				3570	3624.99	3679.98	(dBm)
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	24.37	24.48	24.49	25.5

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	25.69	25.67	25.45	26.3
100	PI/2 BPSK	1	137	25.60	25.77	25.56	
100	PI/2 BPSK	1	271	25.63	25.73	25.20	
100	PI/2 BPSK	135	0	25.18	25.08	24.90	
100	PI/2 BPSK	135	69	25.58	25.76	25.54	
100	PI/2 BPSK	135	138	25.45	24.98	24.91	
100	PI/2 BPSK	270	0	25.00	25.23	24.83	26.3
100	QPSK	1	1	25.65	25.70	25.45	
100	QPSK	1	137	25.58	25.75	25.56	
100	QPSK	1	271	25.60	25.75	25.20	
100	QPSK	135	0	24.63	24.58	24.40	
100	QPSK	135	69	25.55	25.76	25.53	
100	QPSK	135	138	24.91	24.48	24.40	25.3
100	QPSK	270	0	24.50	24.72	24.34	
100	16QAM	1	1	24.76	24.82	24.58	
100	64QAM	1	1	22.90	22.92	22.88	
100	256QAM	1	1	20.98	21.11	20.79	
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.97	25.69	26.03	26.3
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.08	25.70	26.03	26.3
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.04	25.72	26.01	26.3
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.07	25.70	26.06	26.3
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.00	25.82	25.97	26.3
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.99	25.81	25.98	26.3
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.73	25.82	25.44	26.3
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.92	25.85	25.56	26.3
Channel				647000	656000	664999	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.09	25.86	25.49	26.3
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.11	25.86	25.49	26.3

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			26.3
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1	25.73			26.3
100	PI/2 BPSK	1	137	25.89			
100	PI/2 BPSK	1	271	25.70			26.3
100	PI/2 BPSK	135	0	25.26			
100	PI/2 BPSK	135	69	25.67			26.3
100	PI/2 BPSK	135	138	25.24			
100	PI/2 BPSK	270	0	25.11			26.3
100	QPSK	1	1	25.72			
100	QPSK	1	137	25.69			26.3
100	QPSK	1	271	25.88			
100	QPSK	135	0	24.75			25.3
100	QPSK	135	69	25.67			
100	QPSK	135	138	24.74			25.3
100	QPSK	270	0	25.00			
100	16QAM	1	1	24.77			25.3
100	64QAM	1	1	23.04			
100	256QAM	1	1	21.09			21.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.69	25.71	25.64	26.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.74	25.71	25.67	26.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.81	25.70	25.69	26.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.98	
60	PI/2 BPSK	1	1	25.86	25.72	25.71	26.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.97	25.79	25.75	26.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.94	25.80	25.87	26.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.95	25.78	25.86	26.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.16	26.00	25.95	26.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.15	25.98	25.91	26.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.11	25.98	25.92	26.3

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	21.39	21.57	21.40	23.3
100	PI/2 BPSK	1	137	21.76	21.88	21.40	
100	PI/2 BPSK	1	271	21.50	21.62	21.60	
100	PI/2 BPSK	135	0	21.27	21.47	21.38	
100	PI/2 BPSK	135	69	21.77	21.84	21.66	
100	PI/2 BPSK	135	138	21.58	21.67	21.53	23.3
100	PI/2 BPSK	270	0	21.60	21.81	21.66	
100	QPSK	1	1	21.54	21.54	21.39	
100	QPSK	1	137	21.80	21.87	21.82	
100	QPSK	1	271	21.49	21.63	21.60	
100	QPSK	135	0	21.39	21.44	21.30	23.3
100	QPSK	135	69	21.77	21.84	21.82	23.3
100	QPSK	135	138	21.62	21.63	21.58	23.3
100	QPSK	270	0	21.72	21.74	21.67	
100	16QAM	1	1	21.45	21.55	21.48	
100	64QAM	1	1	21.37	21.49	21.39	
100	256QAM	1	1	20.73	20.92	20.75	
Channel				649668	656000	662332	tune-up
Frequency (MHz)				3745.02	3840	3934.98	limit
90	PI/2 BPSK	1	1	21.27	21.56	21.27	23.3
Channel				649334	656000	662666	tune-up
Frequency (MHz)				3740.01	3840	3939.99	limit
80	PI/2 BPSK	1	1	21.26	21.54	21.39	23.3
Channel				649000	656000	663000	tune-up
Frequency (MHz)				3735	3840	3945	limit
70	PI/2 BPSK	1	1	21.30	21.51	21.35	23.3
Channel				648668	656000	663332	tune-up
Frequency (MHz)				3730.02	3840	3949.98	limit
60	PI/2 BPSK	1	1	21.31	21.41	21.34	23.3
Channel				648334	656000	663666	tune-up
Frequency (MHz)				3725.01	3840	3954.99	limit
50	PI/2 BPSK	1	1	21.31	21.45	21.40	23.3
Channel				648000	656000	664000	tune-up
Frequency (MHz)				3720	3840	3960	limit
40	PI/2 BPSK	1	1	21.39	21.44	21.36	23.3
Channel				647668	656000	664332	tune-up
Frequency (MHz)				3715.02	3840	3964.98	limit
30	PI/2 BPSK	1	1	21.30	21.56	21.25	23.3
Channel				647334	656000	664666	tune-up
Frequency (MHz)				3710.01	3840	3969.99	limit
20	PI/2 BPSK	1	1	21.28	21.41	21.27	23.3
Channel				647000	656000	664999	tune-up
Frequency (MHz)				3707.52	3840	3972.48	limit
15	PI/2 BPSK	1	1	21.36	21.55	21.32	23.3
Channel				647000	656000	665000	tune-up
Frequency (MHz)				3705	3840	3975	limit
10	PI/2 BPSK	1	1	21.37	21.54	21.29	23.3

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	633332	633332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI/2 BPSK	1	1		21.66		23.3
100	PI/2 BPSK	1	137		21.92		
100	PI/2 BPSK	1	271		21.66		
100	PI/2 BPSK	135	0		21.50		
100	PI/2 BPSK	135	69		21.89		
100	PI/2 BPSK	135	138		21.71		23.3
100	PI/2 BPSK	270	0		21.75		
100	QPSK	1	1		21.74		23.3
100	QPSK	1	137		21.88		
100	QPSK	1	271		21.65		
100	QPSK	135	0		21.84		
100	QPSK	135	69		21.87		
100	QPSK	135	138		21.58		23.3
100	QPSK	270	0		21.78		
100	16QAM	1	1		21.77		23.3
100	64QAM	1	1		21.70		23.3
100	256QAM	1	1		20.75		22.2
Channel				633000	633332	633666	tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit
90	PI/2 BPSK	1	1	21.52	21.58	21.56	23.3
Channel				632668	633332	634000	tune-up
Frequency (MHz)				3490.02	3499.98	3510	limit
80	PI/2 BPSK	1	1	21.54	21.61	21.65	23.3
Channel				632334	633332	634332	tune-up
Frequency (MHz)				3485.01	3499.98	3514.98	limit
70	PI/2 BPSK	1	1	21.50	21.53	21.60	23.3
Channel				632000	633332	634666	tune-up
Frequency (MHz)				3480	3499.98	3519.98	limit
60	PI/2 BPSK	1	1	21.59	21.46	21.55	23.3
Channel				631668	633332	635000	tune-up
Frequency (MHz)				3475.02	3499.98	3525	limit
50	PI/2 BPSK	1	1	21.47	21.51	21.48	23.3
Channel				631334	633332	635332	tune-up
Frequency (MHz)				3470.01	3499.98	3529.98	limit
40	PI/2 BPSK	1	1	21.58	21.51	21.62	23.3
Channel				631000	633332	635666	tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit
30	PI/2 BPSK	1	1	21.66	21.55	21.51	23.3
Channel				630668	633332	636000	tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit
20	PI/2 BPSK	1	1	21.64	21.54	21.50	23.3
Channel				630500	633332	636166	tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit
15	PI/2 BPSK	1	1	21.55	21.62	21.48	23.3
Channel				630334	633332	636332	tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit
10	PI/2 BPSK	1	1	21.57	21.57	21.64	23.3

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				508202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.93	25.19	25.36	
100	PI/2 BPSK	1	137	25.44	25.64	25.66	26.4
100	PI/2 BPSK	1	271	25.47	25.53	25.51	
100	PI/2 BPSK	135	0	24.65	24.87	25.00	25.9
100	PI/2 BPSK	135	69	25.38	25.58	25.62	26.4
100	PI/2 BPSK	135	138	24.95	25.09	25.05	
100	PI/2 BPSK	270	0	24.78	24.96	25.03	25.9
100	QPSK	1	1	24.90	25.14	25.31	
100	QPSK	1	137	25.44	25.61	25.63	26.4
100	QPSK	1	271	25.48	25.49	25.49	
100	QPSK	135	0	24.17	24.36	24.47	25.4
100	QPSK	135	69	25.38	25.58	25.61	26.4
100	QPSK	135	138	24.42	24.55	24.56	
100	QPSK	270	0	24.27	24.45	24.51	25.4
100	16QAM	1	1	23.91	24.22	24.35	25.4
100	64QAM	1	1	22.17	22.59	22.64	23.9
100	256QAM	1	1	20.28	20.60	20.62	21.9
Channel				508200	518598	528996	tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	24.89	25.15	25.34	26.4
Channel				507204	518598	529998	tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	24.87	25.16	25.36	26.4
Channel				508200	518598	531996	tune-up limit
Frequency (MHz)				2536	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.01	25.16	25.37	26.4
Channel				504204	518598	532998	tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.04	25.38	25.50	26.4
Channel				503202	518598	534000	tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.12	25.52	25.50	26.4
Channel				502200	518598	534996	tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.12	25.55	25.58	26.4
Channel				501204	518598	535998	tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	25.15	25.58	25.62	26.4
Channel				500700	518598	536496	tune-up limit
Frequency (MHz)				2503.5	2592.99	2662.48	(dBm)
15	PI/2 BPSK	1	1	25.17	25.59	25.63	26.4
Channel				500202	518598	537000	tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	25.18	25.61	25.64	26.4

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				508202	518598	528000	25.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.23	23.53	23.75	25.0
100	PI/2 BPSK	1	137	23.79	23.99	24.03	
100	PI/2 BPSK	1	271	23.81	23.88	23.89	25.0
100	PI/2 BPSK	135	0	23.80	23.73	23.87	
100	PI/2 BPSK	135	69	23.73	23.95	23.97	25.0
100	PI/2 BPSK	135	138	23.80	23.92	23.90	
100	PI/2 BPSK	270	0	23.63	23.82	23.89	25.0
100	QPSK	1	1	23.24	23.50	23.66	
100	QPSK	1	137	23.81	23.88	24.01	25.0
100	QPSK	1	271	23.84	23.90	23.87	
100	QPSK	135	0	23.50	23.71	23.87	25.0
100	QPSK	135	69	23.73	23.89	23.90	
100	QPSK	135	138	23.81	23.92	23.92	25.0
100	QPSK	270	0	23.64	23.80	23.90	
100	16QAM	1	1	23.31	23.79	23.74	25.0
100	64QAM	1	1	22.55	22.82	22.95	
100	256QAM	1	1	20.64	20.91	20.98	22.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.22	23.51	23.71	25.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.22	23.50	23.73	25.0
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.33	23.51	23.84	25.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.33	23.50	23.99	25.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.54	23.81	24.00	25.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.53	23.82	23.96	25.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.50	23.90	24.00	25.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.50	23.89	23.99	25.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.45	23.91	23.96	25.0

n48_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				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	21.55	21.64	21.70	23.5
100	PI/2 BPSK	1	137	21.87	21.93	21.97	
100	PI/2 BPSK	1	271	21.86	21.92	22.01	
100	PI/2 BPSK	135	0	21.14	21.23	21.28	
100	PI/2 BPSK	135	69	21.78	21.89	21.92	
100	PI/2 BPSK	135	138	21.29	21.40	21.44	23.0
100	PI/2 BPSK	270	0	21.19	21.31	21.36	
100	QPSK	1	1	21.52	21.62	21.69	
100	QPSK	1	137	21.83	21.92	21.95	
100	QPSK	1	271	21.84	21.91	22.00	
100	QPSK	135	0	20.64	20.73	20.78	22.5
100	QPSK	135	69	21.82	21.89	21.92	
100	QPSK	135	138	20.79	20.89	20.93	
100	QPSK	270	0	20.68	20.80	20.85	
100	16QAM	1	1	20.53	20.70	20.80	
100	64QAM	1	1	19.04	19.07	19.03	21.0
100	256QAM	1	1	17.02	17.04	17.09	
Channel				639668	641666	643666	
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	21.50	21.60	21.73	23.5
Channel				639334	641666	644000	
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.51	21.62	21.73	
Channel				638668	641666	644666	
Frequency (MHz)				3580.02	3624.99	3669.99	23.5
80	PI/2 BPSK	1	1	21.50	21.63	21.75	
Channel				638334	641666	645000	
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	21.64	21.85	21.91	
Channel				638000	641666	645332	23.5
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.56	21.86	21.87	
Channel				637334	641666	646000	
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.70	21.90	22.00	23.5
Channel				637168	641666	646166	
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.68	21.91	22.00	
Channel				637000	641666	646332	
Frequency (MHz)				3555	3624.99	3694.98	23.5
10	PI/2 BPSK	1	1	21.63	21.90	21.99	

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	23.19	23.39	23.45	25.0
100	PI/2 BPSK	1	137	23.45	23.59	23.64	
100	PI/2 BPSK	1	271	23.46	23.68	23.66	
100	PI/2 BPSK	135	0	22.78	22.93	22.97	
100	PI/2 BPSK	135	69	23.42	23.54	23.58	
100	PI/2 BPSK	135	138	22.94	23.04	23.09	24.5
100	PI/2 BPSK	270	0	22.86	22.97	23.02	
100	QPSK	1	1	23.17	23.35	23.43	
100	QPSK	1	137	23.43	23.55	23.60	
100	QPSK	1	271	23.48	23.68	23.63	
100	QPSK	135	0	22.28	22.42	22.48	24.0
100	QPSK	135	69	23.41	23.53	23.58	
100	QPSK	135	138	22.44	22.54	22.58	
100	QPSK	270	0	22.35	22.48	22.52	
100	16QAM	1	1	22.30	22.35	22.41	
100	64QAM	1	1	20.60	20.81	20.87	22.5
100	256QAM	1	1	18.55	18.78	18.86	
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.19	23.38	23.47	25.0
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.20	23.39	23.49	25.0
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.25	23.41	23.41	25.0
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.19	23.40	23.44	25.0
Channel				648334	656000	663666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.38	23.58	23.65	25.0
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.38	23.40	23.52	25.0
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.24	23.45	23.54	25.0
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.39	23.61	23.67	25.0
Channel				647168	656000	664332	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.38	23.59	23.66	25.0
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.38	23.59	23.67	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			25.0
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1	23.16			24.5
100	PI/2 BPSK	1	137	23.31			
100	PI/2 BPSK	1	271	23.55			25.0
100	PI/2 BPSK	135	0	22.61			
100	PI/2 BPSK	135	69	23.26			24.5
100	PI/2 BPSK	135	138	22.85			
100	PI/2 BPSK	270	0	22.66			25.0
100	QPSK	1	1	23.16			
100	QPSK	1	137	23.25			24.0
100	QPSK	1	271	23.56			
100	QPSK	135	0	22.18			25.0
100	QPSK	135	69	23.27			
100	QPSK	135	138	22.37			24.0
100	QPSK	270	0	22.18			
100	16QAM	1	1	22.13			24.0
100	64QAM	1	1	20.56			22.5
100	256QAM	1	1	18.56			20.5
Channel				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.28	23.42	23.35	25.0
Channel				632668	633332	634000	tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.31	23.41	23.27	25.0
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.30	23.45	23.23	25.0
Channel				632000	633332	634666	tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.98	
60	PI/2 BPSK	1	1	23.36	23.43	23.27	25.0
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.25	23.45	23.31	25.0
Channel				631334	633332	635332	tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.34	23.36	23.26	25.0
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.34	23.36	23.26	25.0
Channel				630668	633332	636000	tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.29	23.36	23.33	25.0
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.22	23.42	23.35	25.0
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.27	23.51	23.35	25.0

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	22.33	22.52	22.57	23.3
100	PI/2 BPSK	1	137	22.57	22.71	22.76	
100	PI/2 BPSK	1	271	22.62	22.74	22.78	
100	PI/2 BPSK	135	0	22.27	22.26	22.22	
100	PI/2 BPSK	135	69	22.24	22.27	22.23	
100	PI/2 BPSK	135	138	22.29	22.29	22.24	22.3
100	PI/2 BPSK	270	0	22.28	22.31	22.28	
100	QPSK	1	1	22.54	22.48	22.56	
100	QPSK	1	137	22.51	22.66	22.73	
100	QPSK	1	271	22.59	22.68	22.79	
100	QPSK	135	0	22.40	22.45	22.42	22.5
100	QPSK	135	69	22.53	22.66	22.73	
100	QPSK	135	138	22.47	22.42	22.49	
100	QPSK	270	0	22.48	22.46	22.47	
100	16QAM	1	1	22.38	22.40	22.48	
100	64QAM	1	1	20.65	20.96	20.85	21.0
100	256QAM	1	1	18.86	18.98	18.89	
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.11	22.35	22.33	23.3
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.10	22.36	22.33	
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	23.3
70	PI/2 BPSK	1	1	22.65	22.34	22.40	
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.68	22.38	22.72	
Channel				648334	656000	663666	23.3
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.49	22.55	22.70	
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.48	22.55	22.60	23.3
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	22.43	22.56	22.62	
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	23.3
20	PI/2 BPSK	1	1	22.45	22.55	22.72	
Channel				647168	656000	664666	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.44	22.54	22.70	
Channel				647000	656000	665000	23.3
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.39	22.57	22.70	

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		21.83		23.3
100	PI/2 BPSK	1	137		22.17		
100	PI/2 BPSK	1	271		22.34		22.3
100	PI/2 BPSK	135	0		21.96		
100	PI/2 BPSK	135	69		22.14		23.3
100	PI/2 BPSK	135	138		22.22		22.3
100	PI/2 BPSK	270	0		22.07		
100	QPSK	1	1		21.82		23.5
100	QPSK	1	137		22.15		
100	QPSK	1	271		22.35		22.5
100	QPSK	135	0		21.96		
100	QPSK	135	69		22.15		23.5
100	QPSK	135	138		22.23		22.5
100	QPSK	270	0		22.09		
100	16QAM	1	1		21.85		22.5
100	64QAM	1	1		20.14		21.0
100	256QAM	1	1		18.08		19.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.39	21.40	21.40	23.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.39	21.42	21.42	23.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.37	21.40	21.47	23.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.98	
60	PI/2 BPSK	1	1	21.39	21.41	21.44	23.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.54	21.59	21.64	23.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.52	21.60	21.67	23.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.51	21.59	21.69	23.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.55	21.63	21.80	23.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.54	21.63	21.79	23.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.53	21.61	21.81	23.5

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				508202	518598	528000	25.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.53	24.62	24.46	25.4
100	PI/2 BPSK	1	137	24.23	24.42	24.45	
100	PI/2 BPSK	1	271	24.73	24.93	24.78	25.4
100	PI/2 BPSK	135	0	24.35	24.50	24.39	
100	PI/2 BPSK	135	69	24.51	24.60	24.47	25.4
100	PI/2 BPSK	135	138	24.32	24.46	24.27	
100	PI/2 BPSK	270	0	24.37	24.39	24.30	25.4
100	QPSK	1	1	24.64	24.65	24.45	
100	QPSK	1	137	23.69	23.75	23.73	25.4
100	QPSK	1	271	24.87	24.91	24.84	
100	QPSK	135	0	24.57	24.68	24.62	25.4
100	QPSK	135	69	23.87	23.98	23.86	
100	QPSK	135	138	24.23	24.23	24.16	25.4
100	QPSK	270	0	24.23	24.33	24.29	
100	16QAM	1	1	24.59	24.69	24.64	25.4
100	64QAM	1	1	22.01	22.38	22.48	
100	256QAM	1	1	20.36	20.54	20.51	21.9
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.48	24.58	24.42	25.4
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.36	24.48	24.45	25.4
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.42	24.40	24.43	25.4
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.45	24.47	24.52	25.4
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.50	24.56	24.41	25.4
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.36	24.47	24.45	25.4
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.53	24.55	24.50	25.4
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.42	24.40	24.40	25.4
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.35	24.40	24.38	25.4

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				508202	518598	528000	22.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.97	21.09	21.14	22.4
100	PI/2 BPSK	1	137	21.43	21.38	21.38	
100	PI/2 BPSK	1	271	20.99	21.15	21.19	
100	PI/2 BPSK	135	0	21.10	21.12	21.10	
100	PI/2 BPSK	135	69	21.20	21.25	21.25	
100	PI/2 BPSK	135	138	21.20	21.23	21.13	
100	PI/2 BPSK	270	0	21.15	21.20	21.11	22.4
100	QPSK	1	1	21.06	21.12	21.08	
100	QPSK	1	137	21.36	21.40	21.35	
100	QPSK	1	271	21.03	21.18	21.20	
100	QPSK	135	0	21.12	21.15	21.05	
100	QPSK	135	69	21.13	21.27	21.28	
100	QPSK	135	138	21.17	21.32	21.07	21.4
100	QPSK	270	0	21.17	21.18	21.08	
100	16QAM	1	1	21.03	20.99	21.10	
100	64QAM	1	1	20.91	20.90	20.93	
100	256QAM	1	1	19.65	19.90	19.94	
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.03	21.12	21.08	22.4
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.13	21.12	20.99	22.4
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.01	21.08	21.05	22.4
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	21.18	21.06	21.15	22.4
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.03	21.03	21.09	22.4
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.08	21.17	21.06	22.4
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.03	21.13	21.13	22.4
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.15	21.12	21.08	22.4
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.11	21.09	21.01	22.4

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				508202	518598	528000	24.2
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.68	23.77	23.65	24.2
100	PI/2 BPSK	1	137	23.38	23.53	23.56	
100	PI/2 BPSK	1	271	23.85	24.07	23.93	24.2
100	PI/2 BPSK	135	0	23.54	23.64	23.55	
100	PI/2 BPSK	135	69	23.70	23.71	23.61	24.2
100	PI/2 BPSK	135	138	23.46	23.65	23.38	
100	PI/2 BPSK	270	0	23.55	23.49	23.50	24.2
100	QPSK	1	1	23.76	23.75	23.64	
100	QPSK	1	137	22.89	22.87	22.92	24.2
100	QPSK	1	271	24.04	24.06	24.03	
100	QPSK	135	0	23.72	23.88	23.82	24.2
100	QPSK	135	69	23.01	23.09	22.96	
100	QPSK	135	138	23.39	23.42	23.28	24.2
100	QPSK	270	0	23.43	23.53	23.44	
100	16QAM	1	1	23.73	23.89	23.82	24.2
100	64QAM	1	1	21.21	21.56	21.65	
100	256QAM	1	1	19.56	19.66	19.70	21.9
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.59	23.73	23.53	24.2
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.51	23.64	23.65	24.2
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
80	PI/2 BPSK	1	1	23.59	23.52	23.54	24.2
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	23.61	23.67	23.68	24.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.65	23.74	23.56	24.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.54	23.67	23.61	24.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.65	23.71	23.65	24.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.55	23.63	23.56	24.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.46	23.51	23.56	24.2

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				508202	518598	528000	21.2
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.91	20.11	20.12	21.2
100	PI/2 BPSK	1	137	20.45	20.35	20.35	
100	PI/2 BPSK	1	271	19.96	20.15	20.17	21.2
100	PI/2 BPSK	135	0	20.08	20.09	20.11	
100	PI/2 BPSK	135	69	20.22	20.26	20.20	21.2
100	PI/2 BPSK	135	138	20.15	20.16	20.10	
100	PI/2 BPSK	270	0	20.13	20.15	20.08	21.2
100	QPSK	1	1	19.98	20.09	20.01	
100	QPSK	1	137	20.31	20.41	20.34	21.2
100	QPSK	1	271	20.04	20.15	20.14	
100	QPSK	135	0	20.04	20.17	20.04	21.2
100	QPSK	135	69	20.08	20.28	20.26	
100	QPSK	135	138	20.17	20.26	20.09	21.2
100	QPSK	270	0	20.16	20.18	20.10	
100	16QAM	1	1	19.98	20.01	20.07	21.2
100	64QAM	1	1	19.91	19.83	19.89	
100	256QAM	1	1	18.65	18.87	18.91	21.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.01	20.06	20.01	21.2
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.08	20.11	20.00	21.2
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.95	20.00	20.00	21.2
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.17	19.98	20.15	21.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.95	20.01	20.09	21.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.01	20.10	20.06	21.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.96	20.10	20.14	21.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.09	20.11	20.06	21.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.07	20.08	20.01	21.2

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				508202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.00	24.05	24.01	24.8
100	PI/2 BPSK	1	137	24.51	24.46	24.50	
100	PI/2 BPSK	1	271	24.42	24.37	24.40	
100	PI/2 BPSK	135	0	23.56	23.65	23.59	
100	PI/2 BPSK	135	69	24.54	24.55	24.48	
100	PI/2 BPSK	135	138	24.46	24.42	24.38	24.8
100	PI/2 BPSK	270	0	24.37	24.32	24.33	
100	QPSK	1	1	23.25	23.26	23.20	
100	QPSK	1	137	24.58	24.55	24.52	
100	QPSK	1	271	24.45	24.44	24.36	
100	QPSK	135	0	23.50	23.57	23.57	24.8
100	QPSK	135	69	24.52	24.57	24.54	
100	QPSK	135	138	24.33	24.31	24.35	
100	QPSK	270	0	24.42	24.39	24.35	
100	16QAM	1	1	24.28	24.26	24.25	
100	64QAM	1	1	22.51	22.55	22.57	23.9
100	256QAM	1	1	20.35	20.49	20.51	21.9
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.87	23.92	23.90	24.8
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.93	23.99	23.96	24.8
Channel				508200	518598	531996	
Frequency (MHz)				2536	2592.99	2659.98	
80	PI/2 BPSK	1	1	23.96	24.02	23.92	24.8
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.95	23.95	24.01	24.8
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.90	23.96	23.97	24.8
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.96	23.99	23.99	24.8
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.99	23.95	23.98	24.8
Channel				500700	518598	536496	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.91	23.99	23.96	24.8
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.00	24.02	23.98	24.8



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	PV2 BPSK	1	1	21.15	21.23	21.24	21.8
100	PV2 BPSK	1	137	21.46	21.50	21.65	
100	PV2 BPSK	1	271	21.41	21.49	21.53	
100	PV2 BPSK	135	0	21.37	21.40	21.46	
100	PV2 BPSK	135	69	21.43	21.43	21.52	
100	PV2 BPSK	135	138	21.42	21.33	21.50	
100	PV2 BPSK	270	0	21.38	21.30	21.48	21.8
100	QPSK	1	1	21.19	21.23	21.26	
100	QPSK	1	137	21.61	21.62	21.62	
100	QPSK	1	271	21.55	21.50	21.58	
100	QPSK	135	0	21.34	21.40	21.42	
100	QPSK	135	69	21.47	21.51	21.56	
100	QPSK	135	138	21.56	21.53	21.56	21.8
100	QPSK	270	0	21.40	21.48	21.49	
100	16QAM	1	1	21.29	21.22	21.31	
100	64QAM	1	1	21.13	21.18	21.22	21.8
100	256QAM	1	1	21.11	21.16	21.20	21.8
Channel				508200	518598	528996	tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PV2 BPSK	1	1	22.00	22.03	22.05	21.8
Channel				507204	518598	529998	tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PV2 BPSK	1	1	22.12	22.12	22.18	21.8
Channel				506200	518598	531996	tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PV2 BPSK	1	1	22.09	22.20	22.10	21.8
Channel				504204	518598	532998	tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PV2 BPSK	1	1	22.13	22.20	22.17	21.8
Channel				503202	518598	534000	tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PV2 BPSK	1	1	21.97	22.05	22.01	21.8
Channel				502200	518598	534996	tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PV2 BPSK	1	1	21.96	22.03	22.14	21.8
Channel				501204	518598	535998	tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PV2 BPSK	1	1	22.01	22.04	22.07	21.8
Channel				500700	518598	536496	tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PV2 BPSK	1	1	22.11	22.12	22.13	21.8
Channel				500202	518598	537000	tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PV2 BPSK	1	1	22.00	22.01	22.10	21.8

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				508202	518598	528000	26.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.00	24.05	24.01	26.0
100	PI/2 BPSK	1	137	24.51	24.46	24.50	
100	PI/2 BPSK	1	271	24.42	24.37	24.40	26.0
100	PI/2 BPSK	135	0	23.56	23.65	23.59	
100	PI/2 BPSK	135	69	24.54	24.55	24.48	26.0
100	PI/2 BPSK	135	138	24.46	24.42	24.38	
100	PI/2 BPSK	270	0	24.37	24.32	24.33	26.0
100	QPSK	1	1	23.25	23.26	23.20	
100	QPSK	1	137	24.58	24.55	24.52	26.0
100	QPSK	1	271	24.45	24.44	24.36	
100	QPSK	135	0	23.50	23.57	23.57	25.0
100	QPSK	135	69	24.52	24.57	24.54	
100	QPSK	135	138	24.33	24.31	24.35	25.9
100	QPSK	270	0	24.42	24.39	24.35	
100	16QAM	1	1	24.28	24.26	24.25	25.9
100	64QAM	1	1	22.51	22.55	22.57	
100	256QAM	1	1	20.35	20.49	20.51	22.4
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.00	22.03	22.05	26.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.12	22.12	22.18	26.0
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.09	22.20	22.10	26.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	22.13	22.20	22.17	26.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.97	22.05	22.01	26.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.96	22.03	22.14	26.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.01	22.04	22.07	26.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.11	22.12	22.13	26.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.00	22.01	22.10	26.0

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				508202	518598	528000	23.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.15	21.23	21.24	23.0
100	PI/2 BPSK	1	137	21.46	21.50	21.66	
100	PI/2 BPSK	1	271	21.41	21.49	21.53	
100	PI/2 BPSK	135	0	21.37	21.40	21.46	
100	PI/2 BPSK	135	69	21.43	21.43	21.52	
100	PI/2 BPSK	135	138	21.42	21.33	21.50	
100	PI/2 BPSK	270	0	21.38	21.30	21.48	23.0
100	QPSK	1	1	21.19	21.23	21.26	
100	QPSK	1	137	21.61	21.62	21.62	
100	QPSK	1	271	21.55	21.50	21.58	
100	QPSK	135	0	21.34	21.40	21.42	
100	QPSK	135	69	21.47	21.51	21.56	
100	QPSK	135	138	21.56	21.53	21.56	23.0
100	QPSK	270	0	21.40	21.48	21.49	
100	16QAM	1	1	21.29	21.22	21.31	
100	64QAM	1	1	21.13	21.18	21.22	
100	256QAM	1	1	21.11	21.16	21.20	
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.00	22.03	22.05	23.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.12	22.12	22.18	23.0
Channel				508200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
80	PI/2 BPSK	1	1	22.09	22.20	22.10	23.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	22.13	22.20	22.17	23.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.97	22.05	22.01	23.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.96	22.03	22.14	23.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.01	22.04	22.07	23.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.11	22.12	22.13	23.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.00	22.01	22.10	23.0



2.4GHz WLAN				Ant 4		Ant 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	22.95	23.00	22.55	23.00	25.82	26.00	94.70
		6	2437	22.85	23.00	22.55	23.00	25.71	26.00	
		11	2462	22.85	23.00	22.65	23.00	25.76	26.00	
		12	2467	22.55	23.00	22.55	23.00	25.56	26.00	
	802.11g 6Mbps	13	2472	20.65	21.00	20.95	21.00	23.81	24.00	92.80
		1	2412	20.45	21.00	20.45	21.00	23.77	24.00	
		6	2437	20.95	21.00	20.75	21.00	23.91	24.00	
		11	2462	20.85	21.00	20.55	21.00	23.71	24.00	
	802.11n-HT20 MCS0	12	2467	20.55	21.00	20.65	21.00	23.61	24.00	92.70
		13	2472	20.55	21.00	20.95	21.00	23.76	24.00	
		1	2412	20.95	21.00	20.45	21.00	23.72	24.00	
		6	2437	20.95	21.00	20.75	21.00	23.91	24.00	
	802.11ac-VHT20 MCS0	11	2462	20.85	21.00	20.55	21.00	23.71	24.00	87.00
		12	2467	20.55	21.00	20.55	21.00	23.56	24.00	
		13	2472	20.55	21.00	20.75	21.00	23.66	24.00	
		1	2412	20.85	21.00	20.35	21.00	23.62	24.00	
	802.11ax-HE20 MCS0	6	2437	20.95	21.00	20.65	21.00	23.81	24.00	94.70
		11	2462	20.75	21.00	20.45	21.00	23.61	24.00	
		12	2467	20.45	21.00	20.45	21.00	23.46	24.00	
		13	2472	20.45	21.00	20.65	21.00	23.56	24.00	
	802.11ax-HE20 MCS0	1	2412	20.45	21.00	19.95	21.00	23.22	24.00	94.70
		6	2437	20.95	21.00	20.55	21.00	23.76	24.00	
		11	2462	20.45	21.00	20.25	21.00	23.36	24.00	
		12	2467	20.15	21.00	20.25	21.00	23.21	24.00	
	13	2472	20.25	21.00	20.45	21.00	23.36	24.00		

5.2GHz WLAN				Ant 7		Ant 3		Ant 7+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	17.45	18.00	17.80	18.00	20.64	21.00	93.50
		40	5200	17.45	18.00	17.60	18.00	20.69	21.00	
		44	5220	17.65	18.50	18.20	18.50	20.94	21.50	
		48	5240	17.45	18.50	18.20	18.50	20.85	21.50	
	802.11n-HT20 MCS0	36	5180	17.55	18.50	18.10	18.50	20.84	21.50	93.10
		40	5200	17.65	18.00	17.50	18.00	20.59	21.00	
		44	5220	17.25	18.00	18.00	18.00	20.65	21.00	
		48	5240	17.75	18.50	18.50	18.50	21.15	21.50	
	802.11n-HT40 MCS0	38	5190	19.75	21.00	19.70	21.00	22.74	24.00	96.80
		46	5230	18.55	20.50	19.00	20.50	21.79	23.50	
		36	5180	17.65	18.50	18.20	18.50	20.94	21.50	
		40	5200	17.75	18.00	17.60	18.00	20.69	21.00	
	802.11ac-VHT20 MCS0	44	5220	17.35	18.50	18.10	18.50	20.75	21.50	97.00
		48	5240	17.85	19.00	18.60	19.00	21.25	22.00	
		38	5190	19.85	21.00	19.80	21.00	22.84	24.00	
		46	5230	18.65	20.50	19.10	20.50	21.89	23.50	
	802.11ac-VHT80 MCS0	42	5210	15.15	16.00	15.60	16.00	18.39	19.00	88.10
		36	5180	17.75	18.50	18.30	18.50	21.04	21.50	
		40	5200	17.85	18.50	17.70	18.50	20.79	21.50	
		44	5220	17.45	18.50	18.20	18.50	20.85	21.50	
	802.11ax-HE20 MCS0	48	5240	17.95	19.00	18.70	19.00	21.35	22.00	96.10
		38	5190	19.95	20.00	19.90	20.00	22.94	23.00	
		46	5230	18.75	19.50	19.20	19.50	21.99	22.50	
		42	5210	15.25	16.00	15.70	16.00	18.49	19.00	
	802.11ax-HE80 MCS0	42	5210	15.25	16.00	15.70	16.00	18.49	19.00	86.20

5.3GHz WLAN				Ant 7		Ant 3		Ant 7+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	17.75	18.50	17.60	18.50	20.69	21.50	93.50	
		56	5280	17.95	18.50	17.50	18.50	20.74	21.50		
		60	5300	18.05	18.50	17.90	18.50	20.99	21.50		
		64	5320	17.95	18.50	17.90	18.50	20.94	21.50		
	802.11n-HT20 MCS0	52	5260	17.75	18.50	17.80	18.50	20.79	21.50	93.10	
		56	5280	17.75	18.50	17.40	18.50	20.59	21.50		
		60	5300	17.95	18.50	18.10	18.50	21.04	21.50		
		64	5320	18.05	18.50	17.90	18.50	20.99	21.50		
	802.11n-HT40 MCS0	54	5270	19.75	21.00	19.40	21.00	22.59	24.00	96.80	
		62	5310	15.95	16.00	16.00	16.00	18.99	19.00		
		52	5260	17.85	18.50	17.90	18.50	20.89	21.50		
		56	5280	17.85	18.50	17.50	18.50	20.69	21.50		
	802.11ac-VHT20 MCS0	60	5300	18.05	18.50	18.20	18.50	21.14	21.50	97.00	
		64	5320	18.15	18.50	18.00	18.50	21.09	21.50		
		54	5270	19.85	21.00	19.50	21.00	22.69	24.00		
		62	5310	16.05	16.50	16.10	16.50	19.09	19.50		
	802.11ac-VHT80 MCS0	58	5290	15.75	16.50	15.90	16.50	18.84	19.50	88.10	
		50	5250	14.65	15.00	14.80	15.00	17.74	18.00		
		52	5260	17.95	18.50	18.00	18.50	20.99	21.50		96.10
		56	5280	17.95	18.50	17.60	18.50	20.79	21.50		
	802.11ax-HE20 MCS0	60	5300	18.15	18.50	18.30	18.50	21.24	21.50	96.10	
		64	5320	18.25	18.50	18.10	18.50	21.19	21.50		
		54	5270	19.95	20.00	19.60	20.00	22.79	23.00		92.60
		62	5310	16.15	16.50	16.20	16.50	19.19	19.50		
	802.11ax-HE80 MCS0	58	5290	15.85	16.50	16.15	16.50	19.01	19.50	86.20	
		50	5250	14.75	15.00	14.90	15.00	17.84	18.00		



5.5GHz WLAN			Ant 7		Ant 3		Ant 7+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	15.85	16.50	16.50	16.50	19.20	19.50	93.50
		116	5580	17.35	18.50	18.20	18.50	20.81	21.50	
		124	5620	17.65	18.50	17.90	18.50	20.79	21.50	
		132	5660	17.65	18.50	17.80	18.50	20.74	21.50	
		144	5720	17.25	18.50	18.10	18.50	20.71	21.50	
	802.11n-HT20 MCS0	100	5500	15.95	17.50	16.50	17.50	19.24	20.50	93.10
		116	5580	17.45	18.50	18.30	18.50	20.91	21.50	
		124	5620	17.45	18.50	17.70	18.50	20.59	21.50	
		132	5660	17.45	18.50	17.80	18.50	20.54	21.50	
		144	5720	17.25	18.50	18.10	18.50	20.71	21.50	
	802.11n-HT40 MCS0	102	5510	16.55	17.00	16.50	17.00	19.54	20.00	96.80
		110	5550	19.75	21.00	19.60	21.00	22.69	24.00	
		126	5630	19.75	21.00	19.70	21.00	22.74	24.00	
		134	5670	19.05	21.00	19.10	21.00	22.09	24.00	
		142	5710	19.55	21.00	19.50	21.00	22.54	24.00	
	802.11ac-VHT20 MCS0	100	5500	16.05	17.00	16.60	17.00	19.34	20.00	97.00
		116	5580	17.55	18.50	18.40	18.50	21.01	21.50	
		124	5620	17.55	18.50	17.80	18.50	20.69	21.50	
		132	5660	17.55	18.50	17.70	18.50	20.64	21.50	
		144	5720	17.35	18.50	18.20	18.50	20.81	21.50	
	802.11ac-VHT40 MCS0	102	5510	16.65	17.00	16.60	17.00	19.64	20.00	93.90
		110	5550	19.85	21.00	19.70	21.00	22.79	24.00	
		126	5630	19.85	21.00	19.80	21.00	22.84	24.00	
		134	5670	19.15	21.00	19.20	21.00	22.19	24.00	
		142	5710	19.65	21.00	19.60	21.00	22.64	24.00	
	802.11ac-VHT80 MCS0	106	5530	15.75	16.00	15.90	16.00	18.84	19.00	88.10
		122	5610	19.55	21.00	19.40	21.00	22.49	24.00	
		138	5690	19.55	21.00	19.50	21.00	22.54	24.00	
	802.11ac-VHT160 MCS0	114	5570	14.85	16.00	15.60	16.00	18.25	19.00	87.00
	802.11ax+HE20 MCS0	100	5500	16.15	17.00	16.70	17.00	19.44	20.00	96.10
		116	5580	17.65	18.50	18.50	18.50	21.11	21.50	
		124	5620	17.65	18.50	17.90	18.50	20.79	21.50	
		132	5660	17.65	18.50	17.80	18.50	20.74	21.50	
		144	5720	17.45	18.50	18.30	18.50	20.91	21.50	
	802.11ax+HE40 MCS0	102	5510	16.75	17.00	16.70	17.00	19.74	20.00	92.60
		110	5550	19.95	20.00	19.80	20.00	22.89	23.00	
		126	5630	19.95	20.00	19.80	20.00	22.89	23.00	
		134	5670	19.25	20.00	19.30	20.00	22.29	23.00	
		142	5710	19.75	20.00	19.70	20.00	22.74	23.00	
	802.11ax+HE80 MCS0	106	5530	15.85	16.00	16.00	16.00	18.94	19.00	86.20
		122	5610	19.65	20.00	19.50	20.00	22.59	23.00	
		138	5690	19.65	20.00	19.60	20.00	22.64	23.00	
	802.11ax+HE160 MCS0	114	5570	14.95	16.00	15.70	16.00	18.35	19.00	85.10

5.8GHz WLAN				Ant 7		Ant 3		Ant 7+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	18.15	18.50	18.50	18.50	21.34	21.50	93.50
		157	5785	18.05	19.00	18.70	19.00	21.40	22.00	
		165	5825	18.15	19.00	18.60	19.00	21.39	22.00	
	802.11n-HT20 MCS0	149	5745	18.85	19.50	19.30	19.50	22.09	22.50	93.10
		157	5785	18.85	19.50	19.40	19.50	22.14	22.50	
		165	5825	18.55	19.00	18.80	19.00	21.69	22.00	
	802.11n-HT40 MCS0	151	5755	19.25	21.00	19.40	21.00	22.34	24.00	96.80
		159	5795	19.35	21.00	19.50	21.00	22.44	24.00	
		149	5745	18.70	19.50	19.40	19.50	22.07	22.50	
	802.11ac-VHT20 MCS0	157	5785	18.70	19.50	19.50	19.50	22.13	22.50	97.00
		165	5825	18.40	19.00	18.90	19.00	21.67	22.00	
		151	5755	19.35	21.00	19.50	21.00	22.44	24.00	
	802.11ac-VHT40 MCS0	159	5795	19.45	21.00	19.60	21.00	22.54	24.00	93.90
		155	5775	19.85	21.00	19.90	21.00	22.89	24.00	
		149	5745	19.05	19.50	19.50	19.50	22.29	22.50	
	802.11ac-VHT80 MCS0	157	5785	19.05	20.00	19.60	20.00	22.34	23.00	96.10
		165	5825	18.75	19.50	19.00	19.50	21.89	22.50	
		151	5755	19.45	20.00	19.60	20.00	22.54	23.00	
	802.11ax-HE20 MCS0	159	5795	19.55	20.00	19.70	20.00	22.64	23.00	92.60
		155	5775	19.55	20.00	19.50	20.00	22.99	23.00	
		149	5745	19.05	19.50	19.00	19.50	21.89	22.50	



2.4GHz WLAN				Ant 4		Ant 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	16.94	17.50	16.85	17.50	19.89	20.50	94.70
		6	2437	16.89	17.50	16.85	17.50	19.81	20.50	
		11	2462	16.88	17.50	16.75	17.50	19.88	20.50	
		12	2467	16.95	17.50	16.55	17.50	19.76	20.50	
		13	2472	16.95	17.50	16.89	17.50	19.94	20.50	
	802.11g 6Mbps	1	2412	Not required	17.50	Not required	17.50	Not required	20.50	92.80
		6	2437						20.50	
		11	2462						20.50	
		12	2467						20.50	
		13	2472						20.50	
	802.11n-HT20 MCS0	1	2412	Not required	17.50	Not required	17.50	Not required	20.50	92.70
		6	2437						20.50	
		11	2462						20.50	
		12	2467						20.50	
		13	2472						20.50	
	802.11ac-VHT20 MCS0	1	2412	Not required	17.50	Not required	17.50	Not required	20.50	87.00
		6	2437						20.50	
		11	2462						20.50	
		12	2467						20.50	
		13	2472						20.50	
	802.11ax-HE20 MCS0	1	2412	Not required	17.50	Not required	17.50	Not required	20.50	94.70
		6	2437						20.50	
		11	2462						20.50	
		12	2467						20.50	
		13	2472						20.50	
5.2GHz WLAN				Ant 7		Ant 3		Ant 7+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	17.45	18.00	17.80	18.00	20.64	21.00	93.50
		40	5200	17.45	18.00	17.60	18.00	20.69	21.00	
		44	5220	17.65	18.50	18.20	18.50	20.94	21.50	
		48	5240	17.45	18.50	18.20	18.50	20.85	21.50	
	802.11n-HT20 MCS0	36	5180	17.55	18.50	18.10	18.50	20.84	21.50	93.10
		40	5200	17.65	18.00	17.50	18.00	20.59	21.00	
		44	5220	17.25	18.00	18.00	18.00	20.65	21.00	
		48	5240	17.75	18.50	18.50	18.50	21.15	21.50	
	802.11n-HT40 MCS0	38	5190	19.75	21.00	19.70	21.00	22.74	24.00	96.80
		46	5230	18.55	20.50	19.00	20.50	21.79	23.50	
	802.11ac-VHT20 MCS0	36	5180	17.65	18.50	18.20	18.50	20.94	21.50	97.00
		40	5200	17.75	18.00	17.60	18.00	20.69	21.00	
	802.11ac-VHT40 MCS0	44	5220	17.35	18.50	18.10	18.50	20.75	21.50	93.90
		48	5240	17.85	19.00	18.60	19.00	21.25	22.00	
	802.11ac-VHT80 MCS0	38	5190	19.85	21.00	19.80	21.00	22.84	24.00	88.10
		46	5230	18.65	20.50	19.10	20.50	21.89	23.50	
	802.11ax-HE20 MCS0	42	5210	15.15	16.00	15.60	16.00	18.39	19.50	96.10
		36	5180	17.75	18.50	18.30	18.50	21.04	21.50	
		40	5200	17.85	18.50	17.70	18.50	20.79	21.50	
		44	5220	17.45	18.50	18.20	18.50	20.85	21.50	
	802.11ax-HE40 MCS0	48	5240	17.95	19.00	18.70	19.00	21.35	22.00	92.60
		38	5190	19.95	20.00	19.90	20.00	22.94	23.00	
		46	5230	18.75	19.50	19.20	19.50	21.99	22.50	
		42	5210	15.25	16.00	15.70	16.00	18.49	19.00	
5.3GHz WLAN				Ant 7		Ant 3		Ant 7+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	17.75	18.50	17.80	18.50	20.69	21.50	93.50
		56	5280	17.95	18.50	17.50	18.50	20.74	21.50	
		60	5300	18.05	18.50	17.90	18.50	20.99	21.50	
		64	5320	17.95	18.50	17.90	18.50	20.94	21.50	
	802.11n-HT20 MCS0	52	5260	17.75	18.50	17.80	18.50	20.79	21.50	93.10
		56	5280	17.75	18.50	17.40	18.50	20.59	21.50	
		60	5300	17.95	18.50	18.10	18.50	21.04	21.50	
		64	5320	18.05	18.50	17.90	18.50	20.99	21.50	
	802.11n-HT40 MCS0	54	5270	19.75	21.00	19.40	21.00	22.59	24.00	96.80
		62	5310	15.95	16.00	16.00	16.00	18.99	19.00	
	802.11ac-VHT20 MCS0	52	5260	17.85	18.50	17.90	18.50	20.89	21.50	97.00
		56	5280	17.85	18.50	17.50	18.50	20.69	21.50	
		60	5300	18.05	18.50	18.20	18.50	21.14	21.50	
		64	5320	18.15	18.50	18.00	18.50	21.09	21.50	
	802.11ac-VHT40 MCS0	54	5270	19.85	21.00	19.50	21.00	22.69	24.00	93.90
		62	5310	16.05	16.50	16.10	16.50	19.09	19.50	
	802.11ac-VHT80 MCS0	58	5290	15.75	16.50	15.90	16.50	18.84	19.50	88.10
		50	5250	14.65	15.00	14.80	15.00	17.74	18.00	
	802.11ax-HE20 MCS0	52	5260	17.95	18.50	18.00	18.50	20.99	21.50	96.10
		56	5280	17.95	18.50	17.60	18.50	20.79	21.50	
		60	5300	18.15	18.50	18.30	18.50	21.24	21.50	
		64	5320	18.25	18.50	18.10	18.50	21.19	21.50	
	802.11ax-HE40 MCS0	54	5270	19.95	20.00	19.60	20.00	22.79	23.00	92.60
		62	5310	16.15	16.50	16.20	16.50	19.19	19.50	
	802.11ax-HE80 MCS0	58	5290	15.85	16.50	16.15	16.50	19.01	19.50	86.20
		50	5250	14.75	15.00	14.90	15.00	17.84	18.00	



	5.5GHz WLAN			Ant 7		Ant 3		Ant 7+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	15.85	16.50	16.50	16.50	19.20	19.50	93.50
		116	5580	17.35	18.50	18.20	18.50	20.81	21.50	
		124	5620	17.65	18.50	17.90	18.50	20.79	21.50	
		132	5660	17.65	18.50	17.80	18.50	20.74	21.50	
		144	5720	17.25	18.50	18.10	18.50	20.71	21.50	
	802.11n-HT20 MCS0	100	5500	15.95	17.50	16.50	17.50	19.24	20.50	93.10
		116	5580	17.45	18.50	18.30	18.50	20.91	21.50	
		124	5620	17.45	18.50	17.70	18.50	20.59	21.50	
		132	5660	17.45	18.50	17.80	18.50	20.54	21.50	
		144	5720	17.25	18.50	18.10	18.50	20.71	21.50	
	802.11n-HT40 MCS0	102	5510	16.55	17.00	16.50	17.00	19.54	20.00	96.80
		110	5550	19.75	21.00	19.60	21.00	22.69	24.00	
		126	5630	19.75	21.00	19.70	21.00	22.74	24.00	
		134	5670	19.05	21.00	19.10	21.00	22.09	24.00	
		142	5710	19.55	21.00	19.50	21.00	22.54	24.00	
	802.11ac-VHT20 MCS0	100	5500	16.05	17.00	16.60	17.00	19.34	20.00	97.00
		116	5580	17.55	18.50	18.40	18.50	21.01	21.50	
		124	5620	17.55	18.50	17.80	18.50	20.69	21.50	
		132	5660	17.55	18.50	17.70	18.50	20.64	21.50	
		144	5720	17.35	18.50	18.20	18.50	20.81	21.50	
	802.11ac-VHT40 MCS0	102	5510	16.65	17.00	16.60	17.00	19.64	20.00	93.90
		110	5550	19.85	21.00	19.70	21.00	22.79	24.00	
		126	5630	19.85	21.00	19.80	21.00	22.84	24.00	
		134	5670	19.15	21.00	19.20	21.00	22.19	24.00	
		142	5710	19.65	21.00	19.60	21.00	22.64	24.00	
	802.11ac-VHT80 MCS0	106	5530	15.75	16.00	15.90	16.00	18.84	19.00	88.10
		122	5610	19.55	21.00	19.40	21.00	22.49	24.00	
		138	5690	19.55	21.00	19.50	21.00	22.54	24.00	
	802.11ac-VHT160 MCS0	114	5570	14.85	16.00	15.60	16.00	18.25	19.00	87.00
	802.11ax-HE20 MCS0	100	5500	16.15	17.00	16.70	17.00	19.44	20.00	96.10
		116	5580	17.65	18.50	18.50	18.50	21.11	21.50	
		124	5620	17.65	18.50	17.90	18.50	20.79	21.50	
		132	5660	17.65	18.50	17.80	18.50	20.74	21.50	
		144	5720	17.45	18.50	18.30	18.50	20.91	21.50	
	802.11ax-HE40 MCS0	102	5510	16.75	17.00	16.70	17.00	19.74	20.00	92.60
		110	5550	19.95	20.00	19.80	20.00	22.89	23.00	
		126	5630	19.95	20.00	19.80	20.00	22.89	23.00	
		134	5670	19.25	20.00	19.30	20.00	22.29	23.00	
		142	5710	19.75	20.00	19.70	20.00	22.74	23.00	
	802.11ax-HE80 MCS0	106	5530	15.85	16.00	16.00	16.00	18.94	19.00	86.20
		122	5610	19.65	20.00	19.50	20.00	22.59	23.00	
		138	5690	19.65	20.00	19.60	20.00	22.64	23.00	
	802.11ax-HE160 MCS0	114	5570	14.95	16.00	15.70	16.00	18.35	19.00	85.10

5.8GHz WLAN			Ant 7		Ant 3		Ant 7+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	18.15	18.50	18.50	18.50	21.34	21.50	93.50
		157	5785	18.05	19.00	18.70	19.00	21.40	22.00	
		165	5825	18.15	19.00	18.60	19.00	21.39	22.00	
	802.11n-HT20 MCS0	149	5745	18.85	19.50	19.30	19.50	22.09	22.50	93.10
		157	5785	18.85	19.50	19.40	19.50	22.14	22.50	
		165	5825	18.55	19.00	18.80	19.00	21.69	22.00	
	802.11n-HT40 MCS0	151	5755	19.25	21.00	19.40	21.00	22.34	24.00	96.80
		159	5795	19.35	21.00	19.50	21.00	22.44	24.00	
	802.11ac-VHT20 MCS0	149	5745	18.70	19.50	19.40	19.50	22.07	22.50	97.00
		157	5785	18.70	19.50	19.50	19.50	22.13	22.50	
	802.11ac-VHT40 MCS0	165	5825	18.40	19.00	18.90	19.00	21.67	22.00	93.90
		151	5755	19.35	21.00	19.50	21.00	22.44	24.00	
		159	5795	19.45	21.00	19.60	21.00	22.54	24.00	
	802.11ac-VHT80 MCS0	155	5775	19.85	21.00	19.90	21.00	22.89	24.00	88.10
	802.11ax-HE20 MCS0	149	5745	19.05	19.50	19.50	19.50	22.29	22.50	96.10
		157	5785	19.05	20.00	19.60	20.00	22.34	23.00	
	802.11ax-HE40 MCS0	165	5825	18.75	19.50	19.00	19.50	21.89	22.50	92.60
		151	5755	19.45	20.00	19.60	20.00	22.54	23.00	
	802.11ax-HE80 MCS0	159	5795	19.55	20.00	19.70	20.00	22.64	23.00	86.20



2.4GHz WLAN				Ant 4		Ant 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	16.94	17.00	16.85	17.00	19.89	20.00	94.70	
		6	2437	16.89	17.00	16.85	17.00	19.81	20.00		
		11	2462	16.88	17.00	16.75	17.00	19.88	20.00		
		12	2467	16.95	17.00	16.55	17.00	19.76	20.00		
	802.11g 6Mbps	13	2472	16.95	17.00	16.89	17.00	19.94	20.00	92.80	
		1	2412		17.00		17.00		20.00		
		6	2437		17.00		17.00		20.00		
		11	2462		17.00		17.00		20.00		
	802.11n-HT20 MCS0	12	2467		17.00		17.00		20.00	92.70	
		13	2472		17.00		17.00		20.00		
		1	2412		17.00		17.00		20.00		
		6	2437		17.00		17.00		20.00		
	802.11ac-VHT20 MCS0	11	2462		17.00		17.00		20.00	87.00	
		12	2467		17.00		17.00		20.00		
		13	2472		17.00		17.00		20.00		
		1	2412	Not required	17.00	Not required	17.00	Not required	20.00		
	802.11ax-HE20 MCS0	6	2437		17.00		17.00		20.00	94.70	
		11	2462		17.00		17.00		20.00		
		12	2467		17.00		17.00		20.00		
		13	2472		17.00		17.00		20.00		
	5.2GHz WLAN				Ant 7		Ant 3		Ant 7+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	17.45	18.00	17.80	18.00	20.64	21.00	93.50
			40	5200	17.45	18.00	17.60	18.00	20.69	21.00	
44			5220	17.65	18.50	18.20	18.50	20.94	21.50		
48			5240	17.45	18.50	18.20	18.50	20.85	21.50		
802.11n-HT20 MCS0		36	5180	17.55	18.50	18.10	18.50	20.84	21.50	93.10	
		40	5200	17.65	18.00	17.50	18.00	20.59	21.00		
		44	5220	17.25	18.00	18.00	18.00	20.65	21.00		
		48	5240	17.75	18.50	18.50	18.50	21.15	21.50		
802.11n-HT40 MCS0		38	5190	19.75	21.00	19.70	21.00	22.74	24.00	96.80	
		46	5230	18.55	20.50	19.00	20.50	21.79	23.50		
		36	5180	17.65	18.50	18.20	18.50	20.94	21.50		
		40	5200	17.75	18.00	17.60	18.00	20.69	21.00		
802.11ac-VHT20 MCS0		44	5220	17.35	18.50	18.10	18.50	20.75	21.50	97.00	
		48	5240	17.85	19.00	18.60	19.00	21.25	22.00		
		38	5190	19.85	21.00	19.80	21.00	22.84	24.00		
		46	5230	18.65	20.50	19.10	20.50	21.89	23.50		
802.11ac-VHT80 MCS0		42	5210	15.15	16.00	15.60	16.00	18.39	19.00	88.10	
		36	5180	17.75	18.50	18.30	18.50	21.04	21.50		
		40	5200	17.85	18.50	17.70	18.50	20.79	21.50		
		44	5220	17.45	18.50	18.20	18.50	20.85	21.50		
802.11ax-HE20 MCS0		48	5240	17.95	19.00	18.70	19.00	21.35	22.00	96.10	
		38	5190	19.95	20.00	19.90	20.00	22.94	23.00		
		46	5230	18.75	19.50	19.20	19.50	21.99	22.50		
		42	5210	15.25	16.00	15.70	16.00	18.49	19.00		
802.11ax-HE80 MCS0										92.60	
802.11ax-HE160 MCS0									86.20		
5.3GHz WLAN				Ant 7		Ant 3		Ant 7+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	17.75	18.50	17.80	18.50	20.69	21.50	93.50	
		56	5280	17.95	18.50	17.50	18.50	20.74	21.50		
		60	5300	18.05	18.50	17.90	18.50	20.99	21.50		
		64	5320	17.95	18.50	17.90	18.50	20.94	21.50		
	802.11n-HT20 MCS0	52	5260	17.75	18.50	17.80	18.50	20.79	21.50	93.10	
		56	5280	17.75	18.50	17.40	18.50	20.59	21.50		
		60	5300	17.95	18.50	18.10	18.50	21.04	21.50		
		64	5320	18.05	18.50	17.90	18.50	20.99	21.50		
	802.11n-HT40 MCS0	54	5270	19.75	21.00	19.40	21.00	22.59	24.00	96.80	
		62	5310	15.95	16.00	16.00	16.00	18.99	19.00		
		52	5260	17.85	18.50	17.90	18.50	20.89	21.50		
		56	5280	17.85	18.50	17.50	18.50	20.69	21.50		
	802.11ac-VHT20 MCS0	60	5300	18.05	18.50	18.20	18.50	21.14	21.50	97.00	
		64	5320	18.15	18.50	18.00	18.50	21.09	21.50		
		54	5270	19.85	21.00	19.50	21.00	22.69	24.00		
		62	5310	16.05	16.50	16.10	16.50	19.09	19.50		
	802.11ac-VHT80 MCS0	58	5290	15.75	16.50	15.90	16.50	18.84	19.50	88.10	
		50	5250	14.65	15.00	14.80	15.00	17.74	18.00		
		52	5260	17.95	18.50	18.00	18.50	20.99	21.50		
		56	5280	17.95	18.50	17.60	18.50	20.79	21.50		
	802.11ax-HE20 MCS0	60	5300	18.15	18.50	18.30	18.50	21.24	21.50	96.10	
		64	5320	18.25	18.50	18.10	18.50	21.19	21.50		
		54	5270	19.95	20.00	19.60	20.00	22.79	23.00		
		62	5310	16.15	16.50	16.20	16.50	19.19	19.50		
	802.11ax-HE40 MCS0									92.60	
802.11ax-HE80 MCS0									86.20		
802.11ax-HE160 MCS0									85.10		



	5.5GHz WLAN			Ant 7		Ant 3		Ant 7+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	15.85	16.50	16.50	16.50	19.20	19.50	93.50
		116	5580	17.35	18.50	18.20	18.50	20.81	21.50	
		124	5620	17.65	18.50	17.90	18.50	20.79	21.50	
		132	5660	17.65	18.50	17.80	18.50	20.74	21.50	
		144	5720	17.25	18.50	18.10	18.50	20.71	21.50	
	802.11n-HT20 MCS0	100	5500	15.95	17.50	16.50	17.50	19.24	20.50	93.10
		116	5580	17.45	18.50	18.30	18.50	20.91	21.50	
		124	5620	17.45	18.50	17.70	18.50	20.59	21.50	
		132	5660	17.45	18.50	17.60	18.50	20.54	21.50	
		144	5720	17.25	18.50	18.10	18.50	20.71	21.50	
	802.11n-HT40 MCS0	102	5510	16.55	17.00	16.50	17.00	19.54	20.00	96.80
		110	5550	19.75	21.00	19.60	21.00	22.69	24.00	
		126	5630	19.75	21.00	19.70	21.00	22.74	24.00	
		134	5670	19.05	21.00	19.10	21.00	22.09	24.00	
		142	5710	19.55	21.00	19.50	21.00	22.54	24.00	
	802.11ac-VHT20 MCS0	100	5500	16.05	17.00	16.60	17.00	19.34	20.50	97.00
		116	5580	17.55	18.50	18.40	18.50	21.01	21.50	
		124	5620	17.55	18.50	17.80	18.50	20.69	21.50	
		132	5660	17.55	18.50	17.70	18.50	20.64	21.50	
		144	5720	17.35	18.50	18.20	18.50	20.81	21.50	
	802.11ac-VHT40 MCS0	102	5510	16.65	17.00	16.60	17.00	19.64	20.00	93.90
		110	5550	19.85	21.00	19.70	21.00	22.79	24.00	
		126	5630	19.85	21.00	19.80	21.00	22.84	24.00	
		134	5670	19.15	21.00	19.20	21.00	22.19	24.00	
		142	5710	19.65	21.00	19.60	21.00	22.64	24.00	
	802.11ac-VHT80 MCS0	106	5530	15.75	16.00	15.90	16.00	18.84	19.00	88.10
		122	5610	19.55	21.00	19.40	21.00	22.49	24.00	
		138	5690	19.55	21.00	19.50	21.00	22.54	24.00	
	802.11ac-VHT160 MCS0	114	5570	14.85	16.00	15.60	16.00	18.25	19.00	87.00
	802.11ax-HE20 MCS0	100	5500	16.15	17.00	16.70	17.00	19.44	20.50	96.10
		116	5580	17.65	18.50	18.50	18.50	21.11	21.50	
		124	5620	17.65	18.50	17.90	18.50	20.79	21.50	
		132	5660	17.65	18.50	17.80	18.50	20.74	21.50	
		144	5720	17.45	18.50	18.30	18.50	20.91	21.50	
	802.11ax-HE40 MCS0	102	5510	16.75	17.00	16.70	17.00	19.74	20.00	92.60
		110	5550	19.95	20.00	19.80	20.00	22.89	23.00	
		126	5630	19.95	20.00	19.80	20.00	22.89	23.00	
		134	5670	19.25	20.00	19.30	20.00	22.29	23.00	
		142	5710	19.75	20.00	19.70	20.00	22.74	23.00	
	802.11ax-HE80 MCS0	106	5530	15.85	16.00	16.00	16.00	18.94	19.00	86.20
		122	5610	19.65	20.00	19.50	20.00	22.59	23.00	
		138	5690	19.65	20.00	19.60	20.00	22.64	23.00	
	802.11ax-HE160 MCS0	114	5570	14.95	16.00	15.70	16.00	18.35	19.00	85.10

5.8GHz WLAN			Ant 7		Ant 3		Ant 7+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	18.15	18.50	18.50	18.50	21.34	21.50	93.50
		157	5785	18.05	19.00	18.70	19.00	21.40	22.00	
		165	5825	18.15	19.00	18.60	19.00	21.39	22.00	
	802.11n-HT20 MCS0	149	5745	18.85	19.50	19.30	19.50	22.09	22.50	93.10
		157	5785	18.85	19.50	19.40	19.50	22.14	22.50	
		165	5825	18.55	19.00	18.80	19.00	21.69	22.00	
	802.11n-HT40 MCS0	151	5755	19.25	21.00	19.40	21.00	22.34	24.00	96.80
		159	5795	19.35	21.00	19.50	21.00	22.44	24.00	
	802.11ac-VHT20 MCS0	149	5745	18.70	19.50	19.40	19.50	22.07	22.50	97.00
		157	5785	18.70	19.50	19.50	19.50	22.13	22.50	
	802.11ac-VHT40 MCS0	165	5825	18.40	19.00	18.90	19.00	21.67	22.00	93.90
		151	5755	19.35	21.00	19.50	21.00	22.44	24.00	
		159	5795	19.45	21.00	19.60	21.00	22.54	24.00	
	802.11ac-VHT80 MCS0	155	5775	19.85	21.00	19.90	21.00	22.89	24.00	88.10
	802.11ax-HE20 MCS0	149	5745	19.05	19.50	19.50	19.50	22.29	22.50	96.10
		157	5785	19.05	20.00	19.60	20.00	22.34	23.00	
		165	5825	18.75	19.50	19.00	19.50	21.89	22.50	
	802.11ax-HE40 MCS0	151	5755	19.45	20.00	19.60	20.00	22.54	23.00	92.60
		159	5795	19.55	20.00	19.70	20.00	22.64	23.00	
	802.11ax-HE80 MCS0	155	5775	19.55	20.00	20.00	20.00	22.99	23.00	86.20



	2.4GHz WLAN			Ant 4		Ant 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	14.85	15.00	14.25	15.00	17.57	18.00	94.70	
		6	2437	14.45	15.00	14.35	15.00	17.41	18.00		
		11	2462	14.65	15.00	14.35	15.00	17.51	18.00		
		12	2467	14.45	15.00	14.15	15.00	17.31	18.00		
	802.11g 6Mbps	13	2472	14.45	15.00	14.35	15.00	17.41	18.00	92.80	
		1	2412		15.00		15.00		18.00		
		6	2437		15.00		15.00		18.00		
		11	2462		15.00		15.00		18.00		
		12	2467		15.00		15.00		18.00		
	802.11n-HT20 MCS0	13	2472		15.00		15.00		18.00	92.70	
		1	2412		15.00		15.00		18.00		
		6	2437		15.00		15.00		18.00		
		11	2462		15.00		15.00		18.00		
		12	2467		15.00		15.00		18.00		
		13	2472		15.00		15.00		18.00		
	802.11ac-VHT20 MCS0	1	2412	Not required	15.00	Not required	15.00	Not required	18.00	87.00	
		6	2437		15.00		15.00		18.00		
		11	2462		15.00		15.00		18.00		
		12	2467		15.00		15.00		18.00		
		13	2472		15.00		15.00		18.00		
	802.11ax-HE20 MCS0	1	2412	Not required	15.00	Not required	15.00	Not required	18.00	94.70	
		6	2437		15.00		15.00		18.00		
		11	2462		15.00		15.00		18.00		
		12	2467		15.00		15.00		18.00		
		13	2472		15.00		15.00		18.00		
		13	2472		15.00		15.00		18.00		
5.2GHz WLAN											
	Mode	Channel	Frequency (MHz)	Ant 7		Ant 3		Ant 7+3		Duty Cycle	
				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	17.50	Not required	17.50	Not required	20.50	93.50	
		40	5200		17.50		17.50		20.50		
		44	5220		17.50		17.50		20.50		
		48	5240		17.50		17.50		20.50		
	802.11n-HT20 MCS0	36	5180	Not required	17.50	Not required	17.50	Not required	20.50	93.10	
		40	5200		17.50		17.50		20.50		
		44	5220		17.50		17.50		20.50		
		48	5240		17.50		17.50		20.50		
	802.11n-HT40 MCS0	38	5190	16.95	17.50	17.20	17.50	20.09	20.50	96.80	
		46	5230	17.05	17.50	17.30	17.50	20.19	20.50		
	802.11ac-VHT20 MCS0	36	5180	Not required	17.50	Not required	17.50	Not required	20.50	97.00	
		40	5200		17.50		17.50		20.50		
		44	5220		17.50		17.50		20.50		
		48	5240		17.50		17.50		20.50		
	802.11ac-VHT40 MCS0	38	5190	Not required	17.50	Not required	17.50	Not required	20.50	93.90	
		46	5230		17.50		17.50		20.50		
	802.11ac-VHT80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	88.10	
		36	5180		17.50		17.50		20.50		
	802.11ax-HE20 MCS0	40	5200	Not required	17.50	Not required	17.50	Not required	20.50	96.10	
		44	5220		17.50		17.50		20.50		
		48	5240		17.50		17.50		20.50		
		38	5190		17.50		17.50		20.50		
	802.11ax-HE40 MCS0	46	5230	Not required	17.50	Not required	17.50	Not required	20.50	92.60	
		42	5210		16.00		16.00		19.00		
		802.11ax-HE80 MCS0									86.20
		5.3GHz WLAN									
	Mode	Channel	Frequency (MHz)	Ant 7		Ant 3		Ant 7+3		Duty Cycle	
				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	17.50	Not required	17.50	Not required	20.50	93.50	
		56	5280		17.50		17.50		20.50		
		60	5300		17.50		17.50		20.50		
		64	5320		17.50		17.50		20.50		
	802.11n-HT20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	93.10	
		56	5280		17.50		17.50		20.50		
		60	5300		17.50		17.50		20.50		
		64	5320		17.50		17.50		20.50		
	802.11n-HT40 MCS0	54	5270	17.35	17.50	17.20	17.50	20.29	20.50	96.80	
		62	5310	15.95	16.00	16.00	16.00	18.99	19.00		
	802.11ac-VHT20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	97.00	
		56	5280		17.50		17.50		20.50		
		60	5300		17.50		17.50		20.50		
		64	5320		17.50		17.50		20.50		
	802.11ac-VHT40 MCS0	54	5270	Not required	17.50	Not required	17.50	Not required	20.50	93.90	
		62	5310		16.50		16.50		19.50		
	802.11ac-VHT80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	88.10	
		50	5250		15.00		15.00		18.00		
	802.11ax-HE20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	96.10	
		56	5280		17.50		17.50		20.50		
		60	5300		17.50		17.50		20.50		
		64	5320		17.50		17.50		20.50		
	802.11ax-HE40 MCS0	54	5270	Not required	17.50	Not required	17.50	Not required	20.50	92.60	
		62	5310		16.50		16.50		19.50		
	802.11ax-HE80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	86.20	
		50	5250		15.00		15.00		18.00		



5.5GHz WLAN				Ant 7		Ant 3		Ant 7+3		
5.5GHz WLAN	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		16.50		16.50		19.50	93.50
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11n-HT20 MCS0	100	5500		17.50		17.50		20.50	93.10
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11n-HT40 MCS0	102	5510	Not required	17.00	Not required	17.00	Not required	20.00	96.80
		110	5550		19.50		19.50		22.50	
		126	5630		19.50		19.50		22.50	
		134	5670		19.50		19.50		22.50	
		142	5710		19.50		19.50		22.50	
	802.11ac-VHT20 MCS0	100	5500		17.00		17.00		20.00	97.00
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11ac-VHT40 MCS0	102	5510		17.00		17.00		20.00	93.90
		110	5550		19.50		19.50		22.50	
		126	5630		19.50		19.50		22.50	
		134	5670		19.50		19.50		22.50	
		142	5710		19.50		19.50		22.50	
	802.11ac-VHT80 MCS0	106	5530	15.75	16.00	15.90	16.00	18.84	19.00	88.10
		122	5610	17.95	19.50	17.90	19.50	20.94	22.50	
		138	5690	17.85	19.50	17.90	19.50	20.89	22.50	
	802.11ac-VHT160 MCS0	114	5570		16.00		16.00		19.00	87.00
	802.11ax-HE20 MCS0	100	5500		17.00		17.00		20.00	96.10
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11ax-HE40 MCS0	102	5510	Not required	17.00	Not required	17.00	Not required	20.00	92.60
		110	5550		19.50		19.50		22.50	
		126	5630		19.50		19.50		22.50	
		134	5670		19.50		19.50		22.50	
		142	5710		19.50		19.50		22.50	
	802.11ax-HE80 MCS0	106	5530		16.00		16.00		19.00	86.20
		122	5610		19.50		19.50		22.50	
		138	5690		19.50		19.50		22.50	
	802.11ax-HE160 MCS0	114	5570		16.00		16.00		19.00	85.10

5.8GHz WLAN				Ant 7		Ant 3		Ant 7+3		
5.8GHz WLAN	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	149	5745		18.50		18.50		21.50	93.50
		157	5785		19.00		19.00		22.00	
		165	5825		19.00		19.00		22.00	
	802.11n-HT20 MCS0	149	5745		19.50		19.50		22.50	93.10
		157	5785		19.50		19.50		22.50	
		165	5825		19.00		19.00		22.00	
	802.11n-HT40 MCS0	151	5755	Not required	19.50	Not required	19.50	Not required	22.50	96.80
		159	5795		19.50		19.50		22.50	
		149	5745		19.50		19.50		22.50	
	802.11ac-VHT20 MCS0	157	5785		19.50		19.50		22.50	97.00
		165	5825		19.00		19.00		22.00	
		151	5755		19.50		19.50		22.50	
	802.11ac-VHT40 MCS0	159	5795		19.50		19.50		22.50	93.90
		155	5775		18.95		19.00		21.99	
		149	5745		19.50		19.50		22.50	
	802.11ax-HE20 MCS0	157	5785	Not required	19.50	Not required	19.50	Not required	22.50	96.10
		165	5825		19.50		19.50		22.50	
		151	5755		19.50		19.50		22.50	
	802.11ax-HE40 MCS0	159	5795		19.50		19.50		22.50	92.60
		155	5775		19.50		19.50		22.50	
		149	5745		19.50		19.50		22.50	
	802.11ax-HE80 MCS0	155	5775		19.50		19.50		22.50	86.20
		151	5755		19.50		19.50		22.50	
		149	5745		19.50		19.50		22.50	



	2.4GHz WLAN			Ant 4		Ant 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	9.25	10.50	8.95	10.50	12.11	13.50	94.70
		6	2437	9.15	10.50	9.05	10.50	12.11	13.50	
		11	2462	8.95	10.50	9.05	10.50	12.01	13.50	
		12	2467	8.85	10.50	9.15	10.50	12.01	13.50	
	802.11g 6Mbps	13	2472	8.95	10.50	9.15	10.50	12.06	13.50	92.80
		1	2412	Not required	10.50	Not required	10.50	Not required	13.50	
		6	2437		10.50		13.50			
		11	2462		10.50		13.50			
		12	2467		10.50		13.50			
		13	2472		10.50		13.50			
	802.11n-HT20 MCS0	1	2412		Not required		10.50		Not required	10.50
		6	2437	10.50		13.50				
		11	2462	10.50		13.50				
		12	2467	10.50		13.50				
	802.11ac-VHT20 MCS0	13	2472	Not required	10.50	Not required	10.50	Not required	13.50	87.00
		1	2412		10.50		13.50			
		6	2437		10.50		13.50			
		11	2462		10.50		13.50			
		12	2467		10.50		13.50			
		13	2472		10.50		13.50			
	802.11ax-HE20 MCS0	1	2412	Not required	10.50	Not required	10.50	Not required	13.50	94.70
		6	2437		10.50		13.50			
		11	2462		10.50		13.50			
		12	2467		10.50		13.50			
		13	2472		10.50		13.50			
		13	2472		10.50		13.50			
5.2GHz WLAN										
5.2GHz WLAN	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	Not required	17.50	Not required	17.50	Not required	20.50	93.50
		40	5200		17.50		17.50		20.50	
		44	5220		17.50		17.50		20.50	
		48	5240		17.50		17.50		20.50	
	802.11n-HT20 MCS0	36	5180	Not required	17.50	Not required	17.50	Not required	20.50	93.10
		40	5200		17.50		17.50		20.50	
		44	5220		17.50		17.50		20.50	
		48	5240		17.50		17.50		20.50	
	802.11n-HT40 MCS0	38	5190	16.95	17.50	17.20	17.50	20.09	20.50	96.80
		46	5230	17.05	17.50	17.30	17.50	20.19	20.50	
	802.11ac-VHT20 MCS0	36	5180	Not required	17.50	Not required	17.50	Not required	20.50	97.00
		40	5200		17.50		17.50		20.50	
		44	5220		17.50		17.50		20.50	
		48	5240		17.50		17.50		20.50	
	802.11ac-VHT40 MCS0	38	5190	Not required	17.50	Not required	17.50	Not required	20.50	93.90
		46	5230		17.50		17.50		20.50	
	802.11ac-VHT80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	88.10
		36	5180		17.50		17.50		20.50	
	802.11ax-HE20 MCS0	40	5200	Not required	17.50	Not required	17.50	Not required	20.50	96.10
		44	5220		17.50		17.50		20.50	
		48	5240		17.50		17.50		20.50	
		38	5190		17.50		17.50		20.50	
	802.11ax-HE40 MCS0	46	5230	Not required	17.50	Not required	17.50	Not required	20.50	92.60
		42	5210		16.00		16.00		19.00	
	802.11ax-HE80 MCS0	46	5210	Not required	16.00	Not required	16.00	Not required	20.50	86.20
5.3GHz WLAN										
5.3GHz WLAN	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	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	93.50
		56	5280		17.50		17.50		20.50	
		60	5300		17.50		17.50		20.50	
		64	5320		17.50		17.50		20.50	
	802.11n-HT20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	93.10
		56	5280		17.50		17.50		20.50	
		60	5300		17.50		17.50		20.50	
		64	5320		17.50		17.50		20.50	
	802.11n-HT40 MCS0	54	5270	17.35	17.50	17.20	17.50	20.29	20.50	96.80
		62	5310	15.95	16.00	16.00	16.00	18.99	19.00	
	802.11ac-VHT20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	97.00
		56	5280		17.50		17.50		20.50	
		60	5300		17.50		17.50		20.50	
		64	5320		17.50		17.50		20.50	
	802.11ac-VHT40 MCS0	54	5270	Not required	17.50	Not required	17.50	Not required	20.50	93.90
		62	5310		16.50		16.50		19.50	
	802.11ac-VHT80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	88.10
		50	5250		15.00		15.00		18.00	
	802.11ax-HE20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	96.10
		56	5280		17.50		17.50		20.50	
		60	5300		17.50		17.50		20.50	
		64	5320		17.50		17.50		20.50	
	802.11ax-HE40 MCS0	54	5270	Not required	17.50	Not required	17.50	Not required	20.50	92.60
		62	5310		16.50		16.50		19.50	
	802.11ax-HE80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	86.20
50		5250	15.00		15.00		18.00			
802.11ax-HE160 MCS0	50	5250	Not required	15.00	Not required	15.00	Not required	18.00	85.10	



5.5GHz WLAN				Ant 7		Ant 3		Ant 7+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		16.50		16.50		19.50	93.50
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11n-HT20 MCS0	100	5500		17.50		17.50		20.50	93.10
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11n-HT40 MCS0	102	5510	Not required	17.00	Not required	17.00	Not required	20.00	96.80
		110	5550		16.50		16.50		21.50	
		126	5630		16.50		16.50		21.50	
		134	5670		16.50		16.50		21.50	
		142	5710		16.50		16.50		21.50	
	802.11ac-VHT20 MCS0	100	5500		17.00		17.00		20.00	97.00
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11ac-VHT40 MCS0	102	5510		17.00		17.00		20.00	93.90
		110	5550		16.50		16.50		21.50	
		126	5630		16.50		16.50		21.50	
		134	5670		16.50		16.50		21.50	
		142	5710		16.50		16.50		21.50	
	802.11ac-VHT80 MCS0	106	5530	15.75	16.00	15.90	16.00	18.84	19.00	88.10
		122	5610	17.95	16.50	17.90	16.50	20.94	21.50	
		138	5690	17.85	16.50	17.90	16.50	20.89	21.50	
	802.11ac-VHT160 MCS0	114	5570		16.00		16.00		19.00	87.00
	802.11ax-HE20 MCS0	100	5500		17.00		17.00		20.00	96.10
		116	5580		16.50		16.50		21.50	
		124	5620		16.50		16.50		21.50	
		132	5660		16.50		16.50		21.50	
		144	5720		16.50		16.50		21.50	
	802.11ax-HE40 MCS0	102	5510	Not required	17.00	Not required	17.00	Not required	20.00	92.60
		110	5550		16.50		16.50		21.50	
		126	5630		16.50		16.50		21.50	
		134	5670		16.50		16.50		21.50	
		142	5710		16.50		16.50		21.50	
	802.11ax-HE80 MCS0	106	5530		16.00		16.00		19.00	86.20
		122	5610		16.50		16.50		21.50	
		138	5690		16.50		16.50		21.50	
	802.11ax-HE160 MCS0	114	5570		16.00		16.00		19.00	85.10

5.8GHz WLAN				Ant 7		Ant 3		Ant 7+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	149	5745		19.50		19.50		21.50	93.50
		157	5785		19.50		19.50		22.00	
		165	5825		19.50		19.50		22.00	
	802.11n-HT20 MCS0	149	5745		19.50		19.50		22.50	93.10
		157	5785		19.50		19.50		22.50	
		165	5825		19.00		19.00		22.00	
	802.11n-HT40 MCS0	151	5755	Not required	19.50	Not required	19.50	Not required	22.50	96.80
		159	5795		19.50		19.50		22.50	
		149	5745		19.50		19.50		22.50	
	802.11ac-VHT20 MCS0	157	5785		19.50		19.50		22.50	97.00
		165	5825		19.00		19.00		22.00	
		151	5755		19.50		19.50		22.50	
	802.11ac-VHT40 MCS0	159	5795		19.50		19.50		22.50	93.90
		155	5775		18.95		19.00		21.99	
		149	5745		19.50		19.50		22.50	
	802.11ax-HE20 MCS0	157	5785	Not required	19.50	Not required	19.50	Not required	22.50	96.10
		165	5825		19.50		19.50		22.50	
		151	5755		19.50		19.50		22.50	
	802.11ax-HE40 MCS0	159	5795		19.50		19.50		22.50	92.60
		155	5775		19.50		19.50		22.50	
		149	5745		19.50		19.50		22.50	
	802.11ax-HE80 MCS0	155	5775		19.50		19.50		22.50	86.20
		157	5785		19.50		19.50		22.50	



2.4GHz WLAN			Ant 4		Ant 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	22.95	23.00	22.55	23.00	25.82	26.00	94.70
		6	2437	22.85	23.00	22.55	23.00	25.71	26.00	
		11	2462	22.85	23.00	22.65	23.00	25.76	26.00	
		12	2467	22.55	23.00	22.55	23.00	25.56	26.00	
		13	2472	20.65	21.00	20.95	21.00	23.81	24.00	
	802.11g 6Mbps	1	2412	20.45	21.00	20.45	21.00	23.77	24.00	92.80
		6	2437	20.95	21.00	20.75	21.00	23.91	24.00	
		11	2462	20.85	21.00	20.55	21.00	23.71	24.00	
		12	2467	20.55	21.00	20.65	21.00	23.61	24.00	
		13	2472	20.55	21.00	20.95	21.00	23.76	24.00	
	802.11n-HT20 MCS0	1	2412	20.95	21.00	20.45	21.00	23.72	24.00	92.70
		6	2437	20.95	21.00	20.75	21.00	23.91	24.00	
		11	2462	20.85	21.00	20.55	21.00	23.71	24.00	
		12	2467	20.55	21.00	20.55	21.00	23.56	24.00	
		13	2472	20.55	21.00	20.75	21.00	23.66	24.00	
	802.11ac-VHT20 MCS0	1	2412	20.85	21.00	20.35	21.00	23.62	24.00	87.00
		6	2437	20.95	21.00	20.65	21.00	23.81	24.00	
		11	2462	20.75	21.00	20.45	21.00	23.61	24.00	
		12	2467	20.45	21.00	20.45	21.00	23.46	24.00	
		13	2472	20.45	21.00	20.65	21.00	23.56	24.00	
	802.11ax-HE20 MCS0	1	2412	20.45	21.00	19.95	21.00	23.22	24.00	94.70
		6	2437	20.95	21.00	20.55	21.00	23.76	24.00	
		11	2462	20.45	21.00	20.25	21.00	23.36	24.00	
		12	2467	20.15	21.00	20.25	21.00	23.21	24.00	
		13	2472	20.25	21.00	20.45	21.00	23.36	24.00	

5.2GHz WLAN			Ant 7		Ant 3		Ant 7+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	18.00	18.00	18.00	18.00	21.00	93.50	
		40	5200	18.00	18.00	18.00	18.00	21.00		
		44	5220	18.50	18.50	18.50	18.50	21.50		
		48	5240	18.50	18.50	18.50	18.50	21.50		
	802.11n-HT20 MCS0	36	5180	Not required	18.50	Not required	18.50	Not required	21.50	93.10
		40	5200		18.00		18.00		21.00	
		44	5220		18.00		18.00		21.00	
		48	5240		18.50		18.50		21.50	
	802.11n-HT40 MCS0	38	5190	18.35	20.00	18.40	20.00	21.39	23.00	96.80
		46	5230	18.05	20.00	18.50	20.00	21.29	23.00	
	802.11ac-VHT20 MCS0	36	5180	18.50	18.50	18.50	18.50	21.50	97.00	
		40	5200	18.00	18.00	18.00	18.00	21.00		
		44	5220	18.50	18.50	18.50	18.50	21.50		
		48	5240	19.00	19.00	19.00	19.00	22.00		
	802.11ac-VHT40 MCS0	38	5190	20.00	20.00	20.00	20.00	23.00	93.90	
		46	5230	20.00	20.00	20.00	20.00	23.00		
	802.11ac-VHT80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	88.10
		36	5180		18.50		18.50		21.50	
	802.11ax-HE20 MCS0	40	5200	18.50	18.50	18.50	18.50	21.50	96.10	
		44	5220	18.50	18.50	18.50	18.50	21.50		
		48	5240	19.00	19.00	19.00	19.00	22.00		
		38	5190	20.00	20.00	20.00	20.00	23.00		
	802.11ax-HE40 MCS0	46	5230	19.50	19.50	19.50	19.50	22.50	92.60	
		42	5210	16.00	16.00	16.00	16.00	19.00		
802.11ax-HE80 MCS0	46	5210	16.00	16.00	16.00	16.00	19.00	96.20		

5.3GHz WLAN				Ant 7		Ant 3		Ant 7+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	18.50	Not required	18.50	Not required	21.50	93.50			
		56	5280		18.50		18.50		21.50				
		60	5300		18.50		18.50		21.50				
		64	5320		18.50		18.50		21.50				
	802.11n-HT20 MCS0	52	5260		18.50		18.50		21.50	93.10			
		56	5280		18.50		18.50		21.50				
		60	5300		18.50		18.50		21.50				
		64	5320		18.50		18.50		21.50				
	802.11n-HT40 MCS0	54	5270		18.45		20.00		18.10	20.00	21.29	23.00	96.80
		62	5310		15.95		16.00		16.00	16.00	18.99	19.00	
	802.11ac-VHT20 MCS0	52	5260		18.50		18.50		18.50	18.50	21.50	97.00	
		56	5280		18.50		18.50		18.50	18.50	21.50		
		60	5300	18.50	18.50	18.50	18.50	21.50					
		64	5320	18.50	18.50	18.50	18.50	21.50					
	802.11ac-VHT40 MCS0	54	5270	20.00	20.00	20.00	20.00	23.00	93.90				
		62	5310	16.50	16.50	16.50	16.50	19.50					
	802.11ac-VHT80 MCS0	58	5290	16.50	16.50	16.50	16.50	19.50	21.50	88.10			
	802.11ac-VHT160 MCS0	50	5250	15.00	15.00	15.00	15.00	18.00	20.00	87.00			
	802.11ax-HE20 MCS0	52	5260	Not required	18.50	Not required	18.50	Not required	21.50	96.10			
		56	5280		18.50		18.50		21.50				
		60	5300		18.50		18.50		21.50				
		64	5320		18.50		18.50		21.50				
	802.11ax-HE40 MCS0	54	5270		20.00		20.00		20.00	20.00	23.00	92.60	
		62	5310		16.50		16.50		16.50	16.50	19.50		
	802.11ax-HE80 MCS0	58	5290		16.50		16.50		16.50	16.50	19.50	21.50	86.20
		50	5250		15.00		15.00		15.00	15.00	18.00	20.00	



	5.5GHz WLAN			Ant 7		Ant 3		Ant 7+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	Not required	16.50	Not required	16.50	19.50	93.50	
		116	5580			18.00		18.00	21.00		
		124	5620			18.00		18.00	21.00		
		132	5660			18.00		18.00	21.00		
		144	5720			18.00		18.00	21.00		
	802.11n-HT20 MCS0	100	5500	Not required	Not required	17.50	Not required	17.50	20.50	93.10	
		116	5580			18.00		18.00	21.00		
		124	5620			18.00		18.00	21.00		
		132	5660			18.00		18.00	21.00		
		144	5720			18.00		18.00	21.00		
	802.11n-HT40 MCS0	102	5510	16.85	16.7	17.00	16.7	17.00	20.00	96.80	
		110	5550			18.00		18.00	19.79		21.00
		126	5630			18.00		18.00	19.69		21.00
		134	5670			18.00		18.00	19.64		21.00
		142	5710			18.00		18.00	19.64		21.00
	802.11ac-VHT20 MCS0	100	5500	Not required	Not required	17.00	Not required	17.00	20.00	97.00	
		116	5580			18.00		18.00	21.00		
		124	5620			18.00		18.00	21.00		
		132	5660			18.00		18.00	21.00		
		144	5720			18.00		18.00	21.00		
	802.11ac-VHT40 MCS0	102	5510	Not required	Not required	17.00	Not required	17.00	20.00	93.90	
		110	5550			18.00		18.00	21.00		
		126	5630			18.00		18.00	21.00		
		134	5670			18.00		18.00	21.00		
		142	5710			18.00		18.00	21.00		
	802.11ac-VHT80 MCS0	106	5530	15.75	15.90	16.00	16.00	18.84	19.00	88.10	
		122	5610			17.00		18.00	20.04		21.00
		138	5690			16.85		17.00	18.00		19.94
	802.11ac-VHT160 MCS0	114	5570	16.85	16.00	17.00	16.00	19.70	19.00	87.00	
	802.11ax-HE20 MCS0	100	5500	Not required	Not required	17.00	Not required	17.00	20.00	96.10	
		116	5580			18.00		18.00	21.00		
		124	5620			18.00		18.00	21.00		
		132	5660			18.00		18.00	21.00		
		144	5720			18.00		18.00	21.00		
	802.11ax-HE40 MCS0	102	5510	Not required	Not required	17.00	Not required	17.00	20.00	92.60	
		110	5550			18.00		18.00	21.00		
		126	5630			18.00		18.00	21.00		
		134	5670			18.00		18.00	21.00		
		142	5710			18.00		18.00	21.00		
	802.11ax-HE80 MCS0	106	5530	16.00	16.00	16.00	16.00	16.00	19.00	86.20	
		122	5610			18.00		18.00	21.00		
		138	5690			18.00		18.00	21.00		
	802.11ax-HE160 MCS0	114	5570	16.00	16.00	16.00	16.00	19.00	85.10		
5.8GHz WLAN				Ant 7		Ant 3		Ant 7+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	Not required	18.50	Not required	18.50	21.50	93.50	
		157	5785			19.00		19.00	22.00		
		165	5825			19.00		19.00	22.00		
	802.11n-HT20 MCS0	149	5745	Not required	Not required	19.00	Not required	19.00	22.00	93.10	
		157	5785			19.00		19.00	22.00		
		165	5825			19.00		19.00	22.00		
	802.11n-HT40 MCS0	151	5755	17.45	17.40	19.00	20.29	19.00	22.00	96.80	
		159	5795			19.00		19.00	22.00		
	802.11ac-VHT20 MCS0	149	5745	Not required	Not required	19.00	Not required	19.00	22.00	97.00	
		157	5785			19.00		19.00	22.00		
	802.11ac-VHT40 MCS0	151	5755	Not required	Not required	19.00	Not required	19.00	22.00	93.90	
		159	5795			19.00		19.00	22.00		
	802.11ac-VHT80 MCS0	155	5775	17.85	17.90	19.00	20.84	19.00	22.00	88.10	
		149	5745			19.00		19.00	22.00		
	802.11ax-HE20 MCS0	157	5785	Not required	Not required	19.00	Not required	19.00	22.00	96.10	
		165	5825			19.00		19.00	22.00		
	802.11ax-HE40 MCS0	151	5755	Not required	Not required	19.00	Not required	19.00	22.00	92.60	
		159	5795			19.00		19.00	22.00		
	802.11ax-HE80 MCS0	155	5775	19.00	19.00	19.00	19.00	22.00	86.20		



2.4GHz WLAN				Ant 4		Ant 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	18.95	19.50	18.45	19.50	21.72	22.50	94.70
		6	2437	18.75	19.50	18.25	19.50	21.52	22.50	
		11	2462	18.85	19.50	18.25	19.50	21.57	22.50	
		12	2467	18.35	19.50	17.85	19.50	21.12	22.50	
		13	2472	18.35	19.50	18.55	19.50	21.46	22.50	
	802.11g 6Mbps	1	2412	Not required	19.50	Not required	19.50	Not required	22.50	92.80
		6	2437		19.50		22.50			
		11	2462		19.50		22.50			
		12	2467		19.50		22.50			
		13	2472		19.50		22.50			
	802.11n-HT20 MCS0	1	2412	Not required	19.50	Not required	19.50	Not required	22.50	92.70
		6	2437		19.50		22.50			
		11	2462		19.50		22.50			
		12	2467		19.50		22.50			
		13	2472		19.50		22.50			
	802.11ac-VHT20 MCS0	1	2412	Not required	19.50	Not required	19.50	Not required	22.50	87.00
		6	2437		19.50		22.50			
		11	2462		19.50		22.50			
		12	2467		19.50		22.50			
		13	2472		19.50		22.50			
	802.11ax-HE20 MCS0	1	2412	Not required	19.50	Not required	19.50	Not required	22.50	94.70
		6	2437		19.50		22.50			
		11	2462		19.50		22.50			
		12	2467		19.50		22.50			
		13	2472		19.50		22.50			

	5.2GHz WLAN			Ant 7		Ant 3		Ant 7+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	21.00	93.50
		40	5200		18.00		18.00		21.00	
		44	5220		18.50		18.50		21.50	
		48	5240		18.50		18.50		21.50	
	802.11n-HT20 MCS0	36	5180	Not required	18.50	Not required	18.50	Not required	21.50	93.10
		40	5200		18.00		18.00		21.00	
		44	5220		18.00		18.00		21.00	
		48	5240		18.50		18.50		21.50	
	802.11n-HT40 MCS0	38	5190	18.35	19.00	18.40	19.00	21.39	22.00	96.80
		46	5230	18.05	19.00	18.50	19.00	21.29	22.00	
	802.11ac-VHT20 MCS0	36	5180	Not required	18.50	Not required	18.50	Not required	21.50	97.00
		40	5200		18.00		18.00		21.00	
		44	5220		18.50		18.50		21.50	
		48	5240		19.00		19.00		22.00	
	802.11ac-VHT40 MCS0	38	5190	Not required	19.00	Not required	19.00	Not required	22.00	93.90
		46	5230		19.00		19.00		22.00	
	802.11ac-VHT80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	88.10
		36	5180		18.50		18.50		21.50	
	802.11ax-HE20 MCS0	40	5200	Not required	18.50	Not required	18.50	Not required	21.50	96.10
		44	5220		18.50		18.50		21.50	
		48	5240		19.00		19.00		22.00	
		38	5190		19.00		19.00		22.00	
	802.11ax-HE40 MCS0	46	5230	Not required	19.00	Not required	19.00	Not required	22.00	92.60
		42	5210		16.00		16.00		19.00	
802.11ax-HE80 MCS0	46	5230	Not required	19.00	Not required	19.00	Not required	22.00	86.20	

	5.3GHz WLAN			Ant 7		Ant 3		Ant 7+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	18.50	Not required	18.50	Not required	21.50	93.50					
		56	5280		18.50		18.50		21.50						
		60	5300		18.50		18.50		21.50						
		64	5320		18.50		18.50		21.50						
	802.11n-HT20 MCS0	52	5260		18.50		18.50		21.50		93.10				
		56	5280		18.50		18.50		21.50						
		60	5300		18.50		18.50		21.50						
		64	5320		18.50		18.50		21.50						
	802.11n-HT40 MCS0	54	5270		18.45		19.00		18.10			19.00	21.29	22.00	96.80
		62	5310		15.95		16.00		16.00			16.00	18.99	19.00	
	802.11ac-VHT20 MCS0	52	5260		18.50		18.50		18.50			21.50	97.00		
		56	5280		18.50		18.50		18.50			21.50			
		60	5300	18.50	18.50	18.50	21.50								
		64	5320	18.50	18.50	18.50	21.50								
	802.11ac-VHT40 MCS0	54	5270	19.00	19.00	19.00	22.00	93.90							
		62	5310	16.50	16.50	16.50	19.50								
	802.11ac-VHT80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	88.10					
	802.11ac-VHT160 MCS0	50	5250		15.00		15.00		18.00						
	802.11ax-HE20 MCS0	52	5260		18.50		18.50		21.50		96.10				
		56	5280		18.50		18.50		21.50						
		60	5300		18.50		18.50		21.50						
		64	5320		18.50		18.50		21.50						
	802.11ax-HE40 MCS0	54	5270		19.00		19.00		19.00			22.00	92.60		
		62	5310		16.50		16.50		16.50			19.50			
	802.11ax-HE80 MCS0	58	5290		16.50		16.50		16.50			19.50	86.20		
	802.11ax-HE160 MCS0	50	5250		15.00		15.00		15.00			18.00	85.20		



	5.8GHz WLAN			Ant 7		Ant 3		Ant 7+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	100	5500	Not required	Not required	16.50	Not required	16.50	19.50	93.50		
		116	5580			17.50		17.50			20.50	
		124	5620			17.50		17.50			20.50	
		132	5660			17.50		17.50			20.50	
		144	5720			17.50		17.50			20.50	
	802.11n-HT20 MCS0	100	5500	Not required	Not required	17.50	Not required	17.50	20.50	93.10		
		116	5580			17.50		17.50			20.50	
		124	5620			17.50		17.50			20.50	
		132	5660			17.50		17.50			20.50	
		144	5720			17.50		17.50			20.50	
	802.11n-HT40 MCS0	102	5510	16.85	16.7	17.00	19.79	17.00	20.50	96.80		
		110	5550			17.50		17.50				
		126	5630			16.65		17.50			19.69	
		134	5670			16.55		17.50			19.64	
		142	5710			16.55		17.50			19.64	
	802.11ac-VHT20 MCS0	100	5500	Not required	Not required	17.00	Not required	17.00	20.00	97.00		
		116	5580			17.50		17.50			20.50	
		124	5620			17.50		17.50			20.50	
		132	5660			17.50		17.50			20.50	
		144	5720			17.50		17.50			20.50	
	802.11ac-VHT40 MCS0	102	5510	Not required	Not required	17.00	Not required	17.00	20.00	93.90		
		110	5550			17.50		17.50			20.50	
		126	5630			17.50		17.50			20.50	
		134	5670			17.50		17.50			20.50	
		142	5710			17.50		17.50			20.50	
	802.11ac-VHT80 MCS0	106	5530	15.75	15.90	16.00	18.84	16.00	19.00	88.10		
		122	5610			17.15		17.00			17.50	20.04
		138	5690			16.85		17.00			17.50	19.94
	802.11ac-VHT160 MCS0	114	5570	16.00	17.00	16.00	19.00	19.00	87.00			
	802.11ax-HE20 MCS0	100	5500	Not required	Not required	17.00	Not required	17.00	20.00	96.10		
		116	5580			17.50		17.50			20.50	
		124	5620			17.50		17.50			20.50	
		132	5660			17.50		17.50			20.50	
		144	5720			17.50		17.50			20.50	
	802.11ax-HE40 MCS0	102	5510	Not required	Not required	17.00	Not required	17.00	20.00	92.60		
		110	5550			17.50		17.50			20.50	
		126	5630			17.50		17.50			20.50	
		134	5670			17.50		17.50			20.50	
		142	5710			17.50		17.50			20.50	
	802.11ax-HE80 MCS0	106	5530	16.00	17.50	16.00	19.00	16.00	19.00	86.20		
		122	5610			17.50		17.50			20.50	
		138	5690			17.50		17.50			20.50	
	802.11ax-HE160 MCS0	114	5570	16.00	16.00	16.00	19.00	19.00	85.10			

5.8GHz WLAN				Ant 7		Ant 3		Ant 7+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	Not required	18.50	Not required	18.50	21.50	93.50	
		157	5785			18.50		18.50			21.50
		165	5825			18.50		18.50			21.50
	802.11n-HT20 MCS0	149	5745	Not required	Not required	18.50	Not required	18.50	21.50	93.10	
		157	5785			18.50		18.50			21.50
		165	5825			18.50		18.50			21.50
	802.11n-HT40 MCS0	151	5755	17.45	17.40	18.50	20.29	21.50	96.80		
		159	5795			18.50		17.50		18.50	20.34
	802.11ac-VHT20 MCS0	149	5745	Not required	Not required	18.50	Not required	18.50	21.50	97.00	
		157	5785			18.50		18.50			21.50
	802.11ac-VHT40 MCS0	151	5755	Not required	Not required	18.50	Not required	18.50	21.50	93.90	
		159	5795			18.50		18.50			21.50
	802.11ac-VHT80 MCS0	155	5775	17.85	17.90	18.50	20.84	21.50	88.10		
		149	5745			18.50		18.50		21.50	
	802.11ax-HE20 MCS0	157	5785	Not required	Not required	18.50	Not required	18.50	21.50	96.10	
		165	5825			18.50		18.50			21.50
		151	5755			18.50		18.50			21.50
	802.11ax-HE40 MCS0	159	5795	Not required	Not required	18.50	Not required	18.50	21.50	92.60	
		155	5775			18.50		18.50			21.50
	802.11ax-HE80 MCS0	155	5775	18.50	17.90	18.50	20.84	21.50	86.20		



	2.4GHz WLAN			Ant 4		Ant 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	17.89	18.00	17.55	18.00	20.87	21.00	94.70
		6	2437	17.85	18.00	17.45	18.00	20.66	21.00	
		11	2462	17.88	18.00	17.45	18.00	20.82	21.00	
		12	2467	17.85	18.00	17.15	18.00	20.52	21.00	
	802.11g 6Mbps	13	2472	17.65	18.00	17.65	18.00	20.66	21.00	92.80
		1	2412		18.00		18.00		21.00	
		6	2437		18.00		18.00		21.00	
		11	2462		18.00		18.00		21.00	
		12	2467		18.00		18.00		21.00	
	802.11n-HT20 MCS0	13	2472		18.00		18.00		21.00	92.70
		1	2412		18.00		18.00		21.00	
		6	2437		18.00		18.00		21.00	
		11	2462		18.00		18.00		21.00	
		12	2467		18.00		18.00		21.00	
	802.11ac-VHT20 MCS0	13	2472		18.00		18.00		21.00	87.00
		1	2412	Not required	18.00	Not required	18.00	Not required	21.00	
		6	2437		18.00		18.00		21.00	
		11	2462		18.00		18.00		21.00	
		12	2467		18.00		18.00		21.00	
	802.11ax-HE20 MCS0	13	2472		18.00		18.00		21.00	94.70
		1	2412		18.00		18.00		21.00	
		6	2437		18.00		18.00		21.00	
		11	2462		18.00		18.00		21.00	
		12	2467		18.00		18.00		21.00	
		13	2472		18.00		18.00		21.00	
5.2GHz WLAN				Ant 7		Ant 3		Ant 7+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		17.50		17.50		20.50	Not required
		40	5200		17.50		17.50		20.50	
		44	5220		17.50		17.50		20.50	
		48	5240	Not required	17.50	Not required	17.50	Not required	20.50	
	802.11n-HT20 MCS0	36	5180		17.50		17.50		20.50	96.80
		40	5200		17.50		17.50		20.50	
		44	5220		17.50		17.50		20.50	
		48	5240		17.50		17.50		20.50	
	802.11n-HT40 MCS0	38	5190	15.50	17.50	15.50	17.50	18.39	20.50	Not required
		46	5230	15.50	17.50	15.50	17.50	18.39	20.50	
		36	5180		17.50		17.50		20.50	
		40	5200		17.50		17.50		20.50	
	802.11ac-VHT20 MCS0	44	5220	Not required	17.50	Not required	17.50	Not required	20.50	Not required
		48	5240		17.50		17.50		20.50	
		38	5190		17.50		17.50		20.50	
		46	5230		17.50		17.50		20.50	
	802.11ac-VHT80 MCS0	42	5210	15.54	16.00	15.50	16.00	18.56	19.00	88.10
		36	5180		17.50		17.50		20.50	
	802.11ax-HE20 MCS0	40	5200		17.50		17.50		20.50	Not required
		44	5220	Not required	17.50	Not required	17.50	Not required	20.50	
		48	5240		17.50		17.50		20.50	
		38	5190		17.50		17.50		20.50	
	802.11ax-HE40 MCS0	46	5230		17.50		17.50		20.50	Not required
		42	5210		16.00		16.00		19.00	
5.3GHz WLAN				Ant 7		Ant 3		Ant 7+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		16.50		16.50		19.5	Not required
		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	5260		16.50		16.50		19.5	Not required
		56	5280		16.50		16.50		19.5	
		60	5300		16.50		16.50		19.5	
		64	5320	Not required	16.50	Not required	16.50	Not required	19.5	
	802.11n-HT40 MCS0	54	5270		16.50		16.50		19.5	Not required
		62	5310		16.00		16.00		19	
		52	5260		16.50		16.50		19.5	
		56	5280		16.50		16.50		19.5	
	802.11ac-VHT20 MCS0	60	5300		16.50		16.50		19.5	Not required
		64	5320		16.50		16.50		19.5	
		54	5270		16.50		16.50		19.5	
		62	5310		16.50		16.50		19.5	
	802.11ac-VHT80 MCS0	58	5290	14.51	16.50	14.50	16.50	17.34	19.5	88.10
		50	5250		15.00		15.00		18	
		52	5260		16.50		16.50		19.5	
		56	5280		16.50		16.50		19.5	
	802.11ax-HE20 MCS0	60	5300	Not required	16.50	Not required	16.50	Not required	19.5	Not required
		64	5320		16.50		16.50		19.5	
		54	5270		16.50		16.50		19.5	
		62	5310		16.50		16.50		19.5	
	802.11ax-HE40 MCS0	58	5290		16.50		16.50		19.5	Not required
		62	5310		16.50		16.50		19.5	
	802.11ax-HE80 MCS0	58	5290		16.50		16.50		19.5	Not required
	802.11ax-HE160 MCS0	50	5250		15.00		15.00		18.00	Not required



	5.5GHz WLAN			Ant 7		Ant 3		Ant 7+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	15.00	Not required	15.00	Not required	18.00	Not required
		116	5580		15.00		15.00		18.00	
		124	5620		15.00		15.00		18.00	
		132	5660		15.00		15.00		18.00	
		144	5720		15.00		15.00		18.00	
	802.11n-HT20 MCS0	100	5500	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		116	5580		15.00		15.00		18.00	
		124	5620		15.00		15.00		18.00	
		132	5660		15.00		15.00		18.00	
		144	5720		15.00		15.00		18.00	
	802.11n-HT40 MCS0	102	5510	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		110	5550		15.00		15.00		18.00	
		126	5630		15.00		15.00		18.00	
		134	5670		15.00		15.00		18.00	
		142	5710		15.00		15.00		18.00	
	802.11ac-VHT20 MCS0	100	5500	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		116	5580		15.00		15.00		18.00	
		124	5620		15.00		15.00		18.00	
		132	5660		15.00		15.00		18.00	
		144	5720		15.00		15.00		18.00	
	802.11ac-VHT40 MCS0	102	5510	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		110	5550		15.00		15.00		18.00	
		126	5630		15.00		15.00		18.00	
		134	5670		15.00		15.00		18.00	
		142	5710		15.00		15.00		18.00	
	802.11ac-VHT80 MCS0	106	5530	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		122	5610		15.00		15.00		18.00	
		138	5690		15.00		15.00		18.00	
	802.11ac-VHT160 MCS0	114	5570	13.41	15.00	13.50	16.06	18.00	87.00	
	802.11ax-HE20 MCS0	100	5500	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		116	5580		15.00		15.00		18.00	
		124	5620		15.00		15.00		18.00	
		132	5660		15.00		15.00		18.00	
		144	5720		15.00		15.00		18.00	
	802.11ax-HE40 MCS0	102	5510	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		110	5550		15.00		15.00		18.00	
		126	5630		15.00		15.00		18.00	
		134	5670		15.00		15.00		18.00	
		142	5710		15.00		15.00		18.00	
	802.11ax-HE80 MCS0	106	5530	Not required	15.00	Not required	15.00	Not required	18.00	Not required
		122	5610		15.00		15.00		18.00	
		138	5690		15.00		15.00		18.00	
	802.11ax-HE160 MCS0	114	5570	15.00	15.00	15.00	15.00	18.00		

5.8GHz WLAN				Ant 7		Ant 3		Ant 7+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	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		157	5785		16.50		16.50		19.50	
		165	5825		16.50		16.50		19.50	
	802.11n-HT20 MCS0	149	5745	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		157	5785		16.50		16.50		19.50	
		165	5825		16.50		16.50		19.50	
	802.11n-HT40 MCS0	151	5755	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		159	5795		16.50		16.50		19.50	
		149	5745		16.50		16.50		19.50	
	802.11ac-VHT20 MCS0	157	5785	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		165	5825		16.50		16.50		19.50	
		151	5755		16.50		16.50		19.50	
	802.11ac-VHT40 MCS0	159	5795	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		155	5775		16.50		16.50		19.50	
		149	5745		16.50		16.50		19.50	
	802.11ax-HE20 MCS0	157	5785	Not required	16.50	Not required	16.50	Not required	19.50	Not required
		165	5825		16.50		16.50		19.50	
		151	5755		16.50		16.50		19.50	
802.11ax-HE40 MCS0	159	5795	Not required	16.50	Not required	16.50	Not required	19.50	Not required	
	155	5775		16.50		16.50		19.50		
	149	5745		16.50		16.50		19.50		
802.11ax-HE80 MCS0	155	5775	14.86	16.50	14.90	16.50	17.64	19.50	88.10	



2.4GHz WLAN				Ant 4		Ant 3		Ant 4+3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.85	15.00	14.85	15.00	17.99	18.00	94.70
		6	2437	14.97	15.00	14.75	15.00	17.89	18.00	
		11	2462	14.89	15.00	14.75	15.00	17.77	18.00	
		12	2467	14.88	15.00	14.75	15.00	17.96	18.00	
	802.11g 6Mbps	13	2472	14.85	15.00	14.89	15.00	17.96	18.00	92.80
		1	2412	Not required	15.00	Not required	15.00	Not required	18.00	
		6	2437		15.00		15.00		18.00	
		11	2462		15.00		15.00		18.00	
		12	2467		15.00		15.00		18.00	
	802.11n-HT20 MCS0	13	2472	Not required	15.00	Not required	15.00	Not required	18.00	92.70
		1	2412		15.00		15.00		18.00	
		6	2437		15.00		15.00		18.00	
		11	2462		15.00		15.00		18.00	
	802.11ac-VHT20 MCS0	12	2467	Not required	15.00	Not required	15.00	Not required	18.00	87.00
		13	2472		15.00		15.00		18.00	
		1	2412		15.00		15.00		18.00	
		6	2437		15.00		15.00		18.00	
	802.11ax-HE20 MCS0	11	2462	Not required	15.00	Not required	15.00	Not required	18.00	94.70
		12	2467		15.00		15.00		18.00	
		13	2472		15.00		15.00		18.00	
		1	2412		15.00		15.00		18.00	
					15.00		15.00		18.00	

5.2GHz WLAN				Ant 7		Ant 3		Ant 7+3		
5.2GHz WLAN	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	Not required	17.00	Not required	17.00	Not required	20.00	93.50
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11n-HT20 MCS0	36	5180	Not required	17.00	Not required	17.00	Not required	20.00	93.10
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11n-HT40 MCS0	38	5190	15.25	17.00	15.50	17.00	18.39	20.00	96.80
		46	5230	15.25	17.00	15.50	17.00	18.39	20.00	
	802.11ac-VHT20 MCS0	36	5180	Not required	17.00	Not required	17.00	Not required	20.00	97.00
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11ac-VHT40 MCS0	38	5190	Not required	17.00	Not required	17.00	Not required	20.00	93.90
		46	5230		17.00		17.00		20.00	
	802.11ac-VHT80 MCS0	42	5210	15.54	16.00	15.50	16.00	18.44	19.00	88.10
		36	5180	Not required	17.00	Not required	17.00	Not required	20.00	
	802.11ax-HE20 MCS0	40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11ax-HE40 MCS0	38	5190	Not required	17.00	Not required	17.00	Not required	20.00	92.60
		46	5230		17.00		17.00		20.00	
	802.11ax-HE80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	86.20

5.3GHz WLAN				Ant 7		Ant 3		Ant 7+3		
5.3GHz WLAN	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	52	5260	Not required	16.00	Not required	16.00	Not required	19.00	93.50
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
	802.11n-HT20 MCS0	52	5260	Not required	16.00	Not required	16.00	Not required	19.00	93.10
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
	802.11n-HT40 MCS0	54	5270	Not required	16.00	Not required	16.00	Not required	19.00	96.80
		62	5310		16.00		16.00		19.00	
	802.11ac-VHT20 MCS0	52	5260	Not required	16.00	Not required	16.00	Not required	19.00	97.00
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
	802.11ac-VHT40 MCS0	54	5270	Not required	16.00	Not required	16.00	Not required	19.00	93.90
		62	5310		16.00		16.00		19.00	
	802.11ac-VHT80 MCS0	58	5290	14.15	16.00	14.50	16.00	17.34	19.00	88.10
		802.11ac-VHT160 MCS0	50	5250	Not required	15.00	Not required	15.00	Not required	18.00
	802.11ax-HE20 MCS0	52	5260	16.00		16.00		19.00		
		56	5280	16.00		16.00		19.00		
		60	5300	16.00		16.00		19.00		
		64	5320	16.00		16.00		19.00		
	802.11ax-HE40 MCS0	54	5270	Not required	16.00	Not required	16.00	Not required	19.00	92.60
		62	5310		16.00		16.00		19.00	
	802.11ax-HE80 MCS0	58	5290	Not required	16.00	Not required	16.00	Not required	19.00	86.20
	802.11ax-HE160 MCS0	50	5250		15.00		15.00		18.00	



	5.5GHz WLAN			Ant 7	Ant 3		Ant 7+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	Not required	14.50	Not required	14.50	Not required	17.50	93.50
		116	5580		14.50		14.50		17.50	
		124	5620		14.50		14.50		17.50	
		132	5660		14.50		14.50		17.50	
		144	5720		14.50		14.50		17.50	
	802.11n-HT20 MCS0	100	5500		14.50		14.50		17.50	93.10
		116	5580		14.50		14.50		17.50	
		124	5620		14.50		14.50		17.50	
		132	5660		14.50		14.50		17.50	
		144	5720		14.50		14.50		17.50	
	802.11n-HT40 MCS0	102	5510		14.50		14.50		17.50	96.80
		110	5550		14.50		14.50		17.50	
		126	5630		14.50		14.50		17.50	
		134	5670		14.50		14.50		17.50	
		142	5710		14.50		14.50		17.50	
	802.11ac-VHT20 MCS0	100	5500		14.50		14.50		17.50	97.00
		116	5580		14.50		14.50		17.50	
		124	5620		14.50		14.50		17.50	
		132	5660		14.50		14.50		17.50	
		144	5720		14.50		14.50		17.50	
	802.11ac-VHT40 MCS0	102	5510		14.50		14.50		17.50	93.90
		110	5550		14.50		14.50		17.50	
		126	5630		14.50		14.50		17.50	
		134	5670		14.50		14.50		17.50	
		142	5710		14.50		14.50		17.50	
	802.11ac-VHT80 MCS0	106	5530		14.50		14.50		17.50	88.10
		122	5610		14.50		14.50		17.50	
		138	5690		14.50		14.50		17.50	
	802.11ac-VHT160 MCS0	114	5570	13.41	14.50	13.50	14.50	16.06	17.50	87.00
	802.11ax-HE20 MCS0	100	5500	14.50	14.50	17.50	96.10			
		116	5580	14.50	14.50	17.50				
		124	5620	14.50	14.50	17.50				
		132	5660	14.50	14.50	17.50				
		144	5720	14.50	14.50	17.50				
	802.11ax-HE40 MCS0	102	5510	14.50	14.50	17.50	92.80			
		110	5550	14.50	14.50	17.50				
		126	5630	14.50	14.50	17.50				
		134	5670	14.50	14.50	17.50				
		142	5710	14.50	14.50	17.50				
	802.11ax-HE80 MCS0	106	5530	14.50	14.50	17.50	86.20			
		122	5610	14.50	14.50	17.50				
		138	5690	14.50	14.50	17.50				
	802.11ax-HE160 MCS0	114	5570	14.50	14.50	17.50	85.10			

5.8GHz WLAN				Ant 7	Ant 3		Ant 7+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	Not required	15.50	Not required	15.50	Not required	18.50	93.50
		157	5785		15.50		15.50		18.50	
		165	5825		15.50		15.50		18.50	
	802.11n-HT20 MCS0	149	5745		15.50		15.50		18.50	93.10
		157	5785		15.50		15.50		18.50	
		165	5825		15.50		15.50		18.50	
	802.11n-HT40 MCS0	151	5755		15.50		15.50		18.50	96.80
		159	5795		15.50		15.50		18.50	
		167	5835		15.50		15.50		18.50	
	802.11ac-VHT20 MCS0	149	5745		15.50		15.50		18.50	97.00
		157	5785		15.50		15.50		18.50	
		165	5825		15.50		15.50		18.50	
	802.11ac-VHT40 MCS0	151	5755		15.50		15.50		18.50	93.90
		159	5795		15.50		15.50		18.50	
		167	5835		15.50		15.50		18.50	
	802.11ac-VHT80 MCS0	155	5775		14.86	14.90	15.50	17.64	18.50	88.10
		163	5815		15.50	15.50	18.50			
		171	5855		15.50	15.50	18.50			
	802.11ax-HE20 MCS0	149	5745		15.50	15.50	18.50	96.10		
		157	5785		15.50	15.50	18.50			
		165	5825		15.50	15.50	18.50			
	802.11ax-HE40 MCS0	151	5755		15.50	15.50	18.50	92.80		
		159	5795		15.50	15.50	18.50			
		167	5835		15.50	15.50	18.50			
	802.11ax-HE80 MCS0	155	5775		15.50	15.50	18.50	86.20		



5.2GHz WLAN				Ant 7		Ant 3		Ant 7+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	17.00	Not required	17.00	Not required	20.00	93.50
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11n-HT20 MCS0	36	5180	Not required	17.00	Not required	17.00	Not required	20.00	93.10
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11n-HT40 MCS0	38	5190	15.25	17.00	15.50	17.00	18.39	20.00	96.80
		46	5230	15.25	17.00	15.50	17.00	18.39	20.00	
	802.11ac-VHT20 MCS0	36	5180	Not required	17.00	Not required	17.00	Not required	20.00	97.00
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
	802.11ac-VHT40 MCS0	38	5190	Not required	17.00	Not required	17.00	Not required	20.00	93.90
		46	5230		17.00		17.00		20.00	
	802.11ac-VHT80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	88.10
		36	5180		17.00		17.00		20.00	
	802.11ax-HE20 MCS0	40	5200	Not required	17.00	Not required	17.00	Not required	20.00	96.10
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
		38	5190		17.00		17.00		20.00	
	802.11ax-HE40 MCS0	46	5230	Not required	17.00	Not required	17.00	Not required	20.00	92.60
		42	5210		16.00		16.00		19.00	

5.3GHz WLAN				Ant 7		Ant 3		Ant 7+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	16.00	Not required	16.00	Not required	19.00	93.50
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
	802.11n-HT20 MCS0	52	5260	Not required	16.00	Not required	16.00	Not required	19.00	93.10
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
	802.11n-HT40 MCS0	54	5270	Not required	16.00	Not required	16.00	Not required	19.00	96.80
		62	5310		16.00		16.00		19.00	
	802.11ac-VHT20 MCS0	52	5260		16.00	Not required	16.00	Not required	19.00	97.00
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
	802.11ac-VHT40 MCS0	54	5270	Not required	16.00	Not required	16.00	Not required	19.00	93.90
		62	5310		16.00		16.00		19.00	
	802.11ac-VHT80 MCS0	58	5290		14.15	14.50	16.00	17.34	19.00	88.10
	802.11ac-VHT160 MCS0	50	5250		15.00	Not required	15.00	Not required	18.00	87.00
	802.11ax-HE20 MCS0	52	5260	Not required	16.00		16.00		19.00	
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
	802.11ax-HE40 MCS0	54	5270	Not required	16.00	Not required	16.00	Not required	19.00	92.60
		62	5310		16.00		16.00		19.00	
	802.11ax-HE80 MCS0	58	5290		16.00		16.00		19.00	
	802.11ax-HE160 MCS0	50	5250		15.0		15.0		18.0	85.1



5.5GHz WLAN				Ant 7		Ant 3		Ant 7+3			
5.5GHz WLAN	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	Not required	14.50	Not required	14.50	Not required	17.50	93.50	
		116	5580		14.50		14.50		17.50		
		124	5620		14.50		14.50		17.50		
		132	5660		14.50		14.50		17.50		
		144	5720		14.50		14.50		17.50		
	802.11n-HT20 MCS0	100	5500		14.50		14.50		17.50	93.10	
		116	5580		14.50		14.50		17.50		
		124	5620		14.50		14.50		17.50		
		132	5660		14.50		14.50		17.50		
		144	5720		14.50		14.50		17.50		
	802.11n-HT40 MCS0	102	5510		14.50		14.50		17.50	96.80	
		110	5550		14.50		14.50		17.50		
		126	5630		14.50		14.50		17.50		
		134	5670		14.50		14.50		17.50		
		142	5710		14.50		14.50		17.50		
	802.11ac-VHT20 MCS0	100	5500		14.50		14.50		17.50	97.00	
		116	5580		14.50		14.50		17.50		
		124	5620		14.50		14.50		17.50		
		132	5660		14.50		14.50		17.50		
		144	5720		14.50		14.50		17.50		
	802.11ac-VHT40 MCS0	102	5510		14.50		14.50		17.50	93.90	
		110	5550		14.50		14.50		17.50		
		126	5630		14.50		14.50		17.50		
		134	5670		14.50		14.50		17.50		
		142	5710		14.50		14.50		17.50		
	802.11ac-VHT80 MCS0	106	5530		14.50		14.50		17.50	88.10	
		122	5610		14.50		14.50		17.50		
		138	5690		14.50		14.50		17.50		
	802.11ac-VHT160 MCS0	114	5570		13.41	14.50	13.50	14.50	16.06	17.50	87.00
	802.11ax-HE20 MCS0	100	5500		Not required	14.50	Not required	14.50	Not required	17.50	96.10
		116	5580			14.50		14.50		17.50	
		124	5620			14.50		14.50		17.50	
		132	5660			14.50		14.50		17.50	
		144	5720			14.50		14.50		17.50	
	802.11ax-HE40 MCS0	102	5510			14.50		14.50		17.50	92.60
		110	5550			14.50		14.50		17.50	
		126	5630			14.50		14.50		17.50	
		134	5670			14.50		14.50		17.50	
		142	5710			14.50		14.50		17.50	
	802.11ax-HE80 MCS0	106	5530			14.50		14.50		17.50	86.20
		122	5610			14.50		14.50		17.50	
		138	5690			14.50		14.50		17.50	
	802.11ax-HE160 MCS0	114	5570			14.50		14.50		17.50	85.10

5.8GHz WLAN				Ant 7		Ant 3		Ant 7+3		
5.8GHz WLAN	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	149	5745	Not required	15.50	Not required	15.50	Not required	18.50	93.50
		157	5785		15.50		15.50		18.50	
		165	5825		15.50		15.50		18.50	
	802.11n-HT20 MCS0	149	5745		15.50		15.50		18.50	93.10
		157	5785		15.50		15.50		18.50	
		165	5825		15.50		15.50		18.50	
	802.11n-HT40 MCS0	151	5755		15.50		15.50		18.50	96.80
		159	5795		15.50		15.50		18.50	
	802.11ac-VHT20 MCS0	149	5745		15.50		15.50		18.50	97.00
		157	5785		15.50		15.50		18.50	
		165	5825		15.50		15.50		18.50	
	802.11ac-VHT40 MCS0	151	5755		15.50		15.50		18.50	93.90
		159	5795		15.50		15.50		18.50	
	802.11ac-VHT80 MCS0	155	5775		14.86	14.90	17.64		18.50	88.10
		149	5745		15.50	15.50	18.50			
	802.11ax-HE20 MCS0	157	5785		15.50	15.50	18.50		96.10	
		165	5825		15.50	15.50	18.50			
	802.11ax-HE40 MCS0	151	5755		15.50	15.50	18.50		92.60	
		159	5795		15.50	15.50	18.50			
	802.11ax-HE80 MCS0	155	5775		15.50	15.50	18.50		86.20	



WIFI 6E			Ant 7		Ant 3		Ant 7+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	not required	6.00	not required	6.00	not required	9.00	not required				
		57	6235		6.00		6.00		9.00					
		113	6515		4.00		4.00		7.00					
		173	6815		6.00		6.00		9.00					
		233	7115		6.00		6.00		9.00					
	802.11ax-HE40 MCS0	3	5965		9.00		9.00		12.00					
		59	6245		9.00		9.00		12.00					
		107	6485		7.00		7.00		10.00					
		171	6805		9.00		9.00		12.00					
		227	7085		9.00		10.00		12.54					
	802.11ax-HE80 MCS0	7	5985		12.00		12.00		15.00					
		71	6305		12.00		12.00		15.00					
		119	6545		12.00		12.00		15.00					
		167	6785		12.00		12.00		15.00					
		215	7025		12.00		12.00		15.00					
	802.11ax-HE160 MCS0	15	6025		14.20		15.00		14.60		15.00	17.41	18.00	85.10
		47	6185		13.70		15.00		14.00		15.00	16.86	18.00	
		111	6505		12.60		13.50		13.30		13.50	15.97	16.50	
		175	6825		14.10		15.00		14.40		15.00	17.26	18.00	
		207	6985		15.40		16.50		16.30		16.50	18.88	19.50	



WIFI 6E				Ant 7		Ant 3		Ant 7+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		6.00		6.00		9.00	85.10
		57	6235		6.00		6.00		9.00	
		113	6515		4.00		4.00		7.00	
		173	6815		6.00		6.00		9.00	
		233	7115		6.00		6.00		9.00	
	802.11ax-HE40 MCS0	3	5985	not required	9.00	not required	9.00	not required	12.00	
		59	6245		9.00		9.00		12.00	
		107	6485		7.00		7.00		10.00	
		171	6805		9.00		9.00		12.00	
		227	7085		9.00		10.00		12.54	
	802.11ax-HE80 MCS0	7	5985		12.00		12.00		15.00	
		71	6305		12.00		12.00		15.00	
		119	6545		12.00		12.00		15.00	
		167	6785		12.00		12.00		15.00	
		215	7025		12.00		12.00		15.00	
	802.11ax-HE160 MCS0	15	6025	14.20	15.00	14.60	15.00	17.41	18.00	
		47	6185	13.70	15.00	14.00	15.00	16.86	18.00	
		111	6505	12.60	13.50	13.30	13.50	15.97	16.50	
		175	6825	14.10	15.00	14.40	15.00	17.26	18.00	
		207	6985	15.40	16.50	16.30	16.50	18.88	19.50	



WIFI 6E				Ant 7		Ant 3		Ant 7+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		6.00		6.00		9.00	
		57	6235		6.00		6.00		9.00	
		113	6515		4.00		4.00		7.00	
		173	6815		6.00		6.00		9.00	
		233	7115		6.00		6.00		9.00	
	802.11ax-HE40 MCS0	3	5985	Not required	9.00	Not required	9.00	Not required	12.00	Not required
		59	6245		9.00		9.00		12.00	
		107	6485		7.00		7.00		10.00	
		171	6805		9.00		9.00		12.00	
		227	7085		10.00		10.00		12.54	
	802.11ax-HE80 MCS0	7	5985		11.00		11.00		14.00	
		71	6305		11.00		11.00		14.00	
		119	6545		11.00		11.00		14.00	
		167	6785		11.00		11.00		14.00	
		215	7025		11.00		11.00		14.00	
	802.11ax-HE160 MCS0	15	6025	10.00	10.00	9.50	10.00	12.77	13.00	85.10
		47	6185	9.80	10.00	9.60	10.00	12.71	13.00	
		111	6505	11.00	11.00	10.50	11.00	13.77	14.00	
		175	6825	9.30	9.50	9.50	9.50	12.41	12.50	
		207	6985	9.00	9.00	8.10	9.00	11.58	12.00	



Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.06	17.27	17.49
	CH 39	2441	19.05	17.24	17.30
	CH 78	2480	19.40	17.49	17.54
Tune-up Limit			21	18	18

Ant 3					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.59	17.30	17.04
	CH 39	2441	19.25	17.59	17.38
	CH 78	2480	18.71	17.31	17.24
Tune-up Limit			21	18	18

Ant 4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	20.15	20.25
	CH 19	2440	19.55	19.65
	CH 39	2480	19.75	19.75
Tune-up Limit			21	21

Ant 3				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.65	19.65
	CH 19	2440	19.55	19.75
	CH 39	2480	19.55	19.65
Tune-up Limit			21	21

			Ant 3+4(3)			Ant 3+4(4)			Ant 3+4		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.80	14.21	14.25	16.99	14.59	14.58	19.90	17.42	17.43
	CH 39	2441	17.15	14.39	14.44	17.19	14.30	14.27	20.18	17.36	17.37
	CH 78	2480	16.74	14.41	14.34	17.46	14.68	14.77	20.12	17.56	17.57
	Tune-up Limit		18	15	15	18	15	15	21	18	18

Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.44	10.44	10.31
	CH 39	2441	11.46	10.01	10.11
	CH 78	2480	11.45	10.53	10.45
Tune-up Limit			12	11	11

Ant 3					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.30	9.68	9.93
	CH 39	2441	11.51	10.59	10.79
	CH 78	2480	11.48	10.58	10.55
Tune-up Limit			12	11	11

Ant 4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	11.36	11.28
	CH 19	2440	11.29	11.31
	CH 39	2480	11.24	11.30
Tune-up Limit			12	12

Ant 3				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	11.28	11.24
	CH 19	2440	11.33	11.16
	CH 39	2480	11.27	11.24
Tune-up Limit			12	12

Mode	Channel	Frequency (MHz)	Ant 3+4(3)			Ant 3+4(4)			Ant 3+4		
			Average power (dBm)			Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.80	10.21	10.25	11.29	10.59	10.58	13.00	13.42	13.43
	CH 39	2441	11.15	10.39	10.44	11.19	10.30	10.27	13.18	13.36	13.37
	CH 78	2480	11.74	10.41	10.34	11.46	10.68	10.77	13.12	13.56	13.57
Tune-up Limit			12	11	11	12	11	11	15	14	14



Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.06	17.27	17.49
	CH 39	2441	19.05	17.24	17.30
	CH 78	2480	19.40	17.49	17.54
	Tune-up Limit		21	18	18

Ant 3					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.59	17.30	17.04
	CH 39	2441	19.25	17.59	17.38
	CH 78	2480	18.71	17.31	17.24
	Tune-up Limit		21	18	18

Ant 4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	20.15	20.25
	CH 19	2440	19.55	19.65
	CH 39	2480	19.75	19.75
	Tune-up Limit		21	21

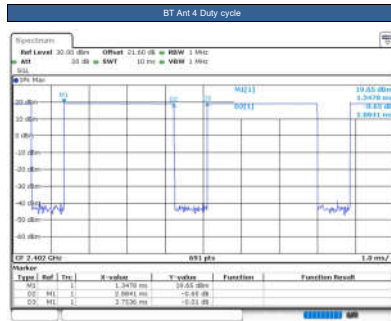
Ant 3				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.65	19.65
	CH 19	2440	19.55	19.75
	CH 39	2480	19.55	19.65
	Tune-up Limit		21	21

Mode	Channel	Frequency (MHz)	Ant 3+4(3)			Ant 3+4(4)			Ant 3+4		
			Average power (dBm)			Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.80	14.21	14.25	16.99	14.59	14.58	19.90	17.42	17.43
	CH 39	2441	17.15	14.39	14.44	17.19	14.30	14.27	20.18	17.36	17.37
	CH 78	2480	16.74	14.41	14.34	17.46	14.68	14.77	20.12	17.56	17.57
	Tune-up Limit		18	15	15	18	15	15	21	18	18



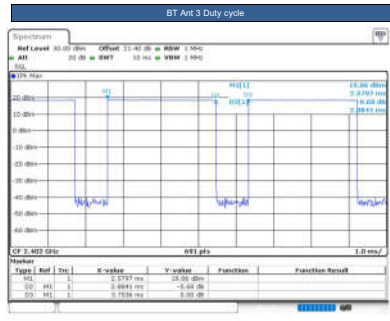
Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.06	17.27	17.49
	CH 39	2441	19.05	17.24	17.30
	CH 78	2480	19.40	17.49	17.54
	Tune-up Limit		19.5	18	18

Ant 4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.15	18.28
	CH 19	2440	18.55	18.65
	CH 39	2480	18.75	18.75
	Tune-up Limit		19.5	19.5



Ant 3					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.59	17.30	17.04
	CH 39	2441	19.25	17.59	17.38
	CH 78	2480	18.71	17.31	17.24
	Tune-up Limit		19.5	18	18

Ant 3				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	18.65	18.50
	CH 19	2440	18.55	18.75
	CH 39	2480	18.55	18.65
	Tune-up Limit		19.5	19.5



			Ant 3+4(3)			Ant 3+4(4)			Ant 3+4		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.80	14.21	14.25	16.99	14.59	14.58	19.90	17.42	17.43
	CH 39	2441	17.15	14.39	14.44	17.19	14.30	14.27	20.18	17.36	17.37
	CH 78	2480	16.74	14.41	14.34	17.46	14.68	14.77	20.12	17.56	17.57
	Tune-up Limit		18	15	15	18	15	15	21	18	18

