



Ant 0								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	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



GSM1900 TX Channel	Burst Average Power (dBm)			ANT 2				
	512	661	810	Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	1850.2	1880	1909.8		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



GSM1900 TX Channel	Burst Average Power (dBm)			ANT 2				
	512	661	810	Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	1850.2	1880	1909.8		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



GSM1900 TX Channel	Burst Average Power (dBm)			ANT 2				
	512	661	810	Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	1850.2	1880	1909.8		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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	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



GSM850 TX Channel	Burst Average Power (dBm)			Ant 1				
	128	189	251	Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	824.2	836.4	848.8		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



GSM850 TX Channel	Burst Average Power (dBm)			Ant 1				
	128	189	251	Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	824.2	836.4	848.8		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 TX Channel	Ant 1							
	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	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	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





Band		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)	ANT 0			Tune-up Limit (dBm)
		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



Band		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)
		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



Band		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)
		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



Band		ANT 2			Tune-up Limit (dBm)	ANT 2			Tune-up Limit (dBm)
		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



Band	Ant 0			Tune-up Limit (dBm)	Ant 0			Tune-up Limit (dBm)	Ant 1			Tune-up Limit (dBm)	
	WCDMA II				WCDMA IV				WCDMA V				
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
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



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		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									
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Time-up	Time-down
				Low	High	Low	High		
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 1 Freq.	Ch. 2 Freq.		
Frequency (MHz)				2510	2510	2510	2510		
20	QPSK	1	0	24.92	24.97	24.96	24.96	25.5	
	QPSK	1	48	24.92	24.93	24.98	24.98		
20	QPSK	1	96	24.10	24.03	24.10	24.10	24.5	
	QPSK	50	24	23.28	23.19	23.26	23.24		
20	QPSK	50	50	23.19	23.10	23.24	23.24	24.5	
	QPSK	100	0	23.17	23.07	23.28	23.28		
20	HQDM	1	0	23.11	23.41	23.47	23.47	24.5	
	HQDM	1	48	23.54	23.45	23.27	23.27		
20	HQDM	1	96	23.60	23.73	23.63	23.63	23.5	
	HQDM	50	0	22.18	22.18	22.28	22.28		
20	HQDM	50	50	22.18	22.14	22.28	22.28	23.5	
	HQDM	100	0	22.13	22.07	22.14	22.14		
20	HQDM	1	0	22.08	22.14	22.15	22.15	23.5	
	HQDM	1	48	22.31	22.15	21.91	21.91		
20	HQDM	1	96	22.18	22.21	22.86	22.86	22.5	
	HQDM	50	0	21.98	21.18	21.93	21.93		
20	HQDM	50	24	21.18	21.20	21.22	21.22	22.5	
	HQDM	50	50	21.27	21.18	21.23	21.23		
20	HQDM	100	0	21.17	21.18	21.25	21.25	20.5	
	HQDM	1	0	19.32	19.30	19.30	19.30		
20	SSBQAM	1	0	19.14	19.20	19.20	19.20	20.5	
	SSBQAM	1	48	19.10	19.18	19.24	19.24		
20	SSBQAM	50	0	19.30	19.29	19.27	19.27	20.5	
	SSBQAM	50	50	19.33	19.21	19.20	19.20		
20	SSBQAM	100	0	19.29	19.28	19.23	19.23	20.5	
	SSBQAM	100	0	19.28	19.20	19.23	19.23		
Channel <td>2507.5 <td>2507.5 <td>2507.5 <td>2507.5 <td colspan="2"></td> </td></td></td></td>				2507.5 <td>2507.5 <td>2507.5 <td>2507.5 <td colspan="2"></td> </td></td></td>	2507.5 <td>2507.5 <td>2507.5 <td colspan="2"></td> </td></td>	2507.5 <td>2507.5 <td colspan="2"></td> </td>	2507.5 <td colspan="2"></td>		
Frequency (MHz) <td>2507.5 <td>2507.5 <td>2507.5 <td>2507.5 <td colspan="2"></td> </td></td></td></td>				2507.5 <td>2507.5 <td>2507.5 <td>2507.5 <td colspan="2"></td> </td></td></td>	2507.5 <td>2507.5 <td>2507.5 <td colspan="2"></td> </td></td>	2507.5 <td>2507.5 <td colspan="2"></td> </td>	2507.5 <td colspan="2"></td>		
15	QPSK	1	0	24.01	24.12	24.13	24.13	25.5	
	QPSK	1	36	23.99	24.10	24.07	24.07		
15	QPSK	1	74	24.11	24.09	24.06	24.06	24.5	
	QPSK	36	0	23.17	23.17	23.28	23.28		
15	QPSK	36	36	23.14	23.15	23.17	23.17	24.5	
	QPSK	36	36	23.20	23.12	23.24	23.24		
15	QPSK	75	0	23.19	23.22	23.14	23.14	24.5	
	HQDM	1	0	23.15	23.45	23.67	23.67		
15	HQDM	1	36	23.38	23.24	23.21	23.21	24.5	
	HQDM	1	74	23.31	23.67	23.68	23.68		
15	HQDM	36	0	22.21	22.13	22.21	22.21	23.5	
	HQDM	36	36	22.18	22.21	22.26	22.26		
15	HQDM	36	36	22.28	22.15	22.31	22.31	23.5	
	HQDM	75	0	22.21	22.15	22.22	22.22		
15	HQDM	1	0	22.18	22.18	22.46	22.46	23.5	
	HQDM	1	36	22.08	22.07	22.18	22.18		
15	HQDM	1	74	21.88	22.36	22.67	22.67	22.5	
	HQDM	36	0	21.14	21.25	21.25	21.25		
15	HQDM	36	36	21.14	21.00	21.17	21.17	22.5	
	HQDM	36	36	21.12	21.15	21.20	21.20		
15	HQDM	75	0	21.20	21.14	21.26	21.26	20.5	
	SSBQAM	1	0	19.29	19.20	19.23	19.23		
15	SSBQAM	1	36	19.25	19.22	19.12	19.12	20.5	
	SSBQAM	1	74	19.21	19.16	19.20	19.20		
15	SSBQAM	36	0	19.20	19.21	19.21	19.21	20.5	
	SSBQAM	36	36	19.25	19.38	19.24	19.24		
15	SSBQAM	36	36	19.28	19.13	19.23	19.23	20.5	
	SSBQAM	75	0	19.21	19.23	19.23	19.23		
Channel <td>2090.0</td> <td>2100.0</td> <td>2100.0</td> <td>2100.0</td> <td colspan="2"></td>				2090.0	2100.0	2100.0	2100.0		
Frequency (MHz) <td>2090.0</td> <td>2090.0</td> <td>2090.0</td> <td>2090.0</td> <td colspan="2"></td>				2090.0	2090.0	2090.0	2090.0		
10	QPSK	1	0	24.04	24.04	24.12	24.12	25.5	
	QPSK	1	25	23.96	23.97	23.85	23.85		
10	QPSK	1	48	24.11	24.02	24.14	24.14	24.5	
	QPSK	25	0	23.12	23.09	23.18	23.18		
10	QPSK	25	12	23.22	23.04	23.19	23.19	24.5	
	QPSK	25	25	23.20	23.10	23.23	23.23		
10	QPSK	50	0	23.25	23.20	23.16	23.16	24.5	
	HQDM	1	0	23.48	23.04	23.69	23.69		
10	HQDM	1	24	23.18	23.13	23.39	23.39	24.5	
	HQDM	1	48	23.17	23.39	23.23	23.23		
10	HQDM	25	0	22.21	22.18	22.14	22.14	23.5	
	HQDM	25	12	22.11	22.08	22.21	22.21		
10	HQDM	25	25	22.23	22.17	22.14	22.14	23.5	
	HQDM	50	0	22.14	22.04	22.10	22.10		
10	HQDM	1	0	22.28	21.95	21.84	21.84	23.5	
	HQDM	1	25	22.22	22.19	22.11	22.11		
10	HQDM	1	48	22.08	22.07	22.34	22.34	22.5	
	HQDM	25	0	21.08	21.09	21.88	21.88		
10	HQDM	25	12	21.07	21.08	21.19	21.19	22.5	
	HQDM	25	25	21.12	21.13	21.11	21.11		
10	HQDM	50	0	21.18	21.17	21.17	21.17	20.5	
	SSBQAM	1	0	19.29	19.20	19.20	19.20		
10	SSBQAM	1	25	19.10	19.23	19.14	19.14	20.5	
	SSBQAM	1	48	19.10	19.09	19.17	19.17		
10	SSBQAM	25	0	19.23	19.07	19.07	19.07	20.5	
	SSBQAM	25	12	19.33	19.23	19.20	19.20		
10	SSBQAM	25	25	19.33	19.20	19.19	19.19	20.5	
	SSBQAM	50	0	19.20	19.22	19.14	19.14		
Channel <td>2077.5</td> <td>2100.0</td> <td>2100.0</td> <td>2100.0</td> <td colspan="2"></td>				2077.5	2100.0	2100.0	2100.0		
Frequency (MHz) <td>2077.5</td> <td>2077.5</td> <td>2077.5</td> <td>2077.5</td> <td colspan="2"></td>				2077.5	2077.5	2077.5	2077.5		
5	QPSK	1	0	24.03	24.10	24.13	24.13	25.5	
	QPSK	1	12	24.07	24.06	24.12	24.12		
5	QPSK	1	24	24.09	24.01	24.12	24.12	24.5	
	QPSK	12	0	23.18	23.11	23.06	23.06		
5	QPSK	12	7	23.16	23.03	23.16	23.16	24.5	
	QPSK	12	13	23.14	23.05	23.15	23.15		
5	QPSK	24	0	23.21	23.09	23.12	23.12	24.5	
	HQDM	1	0	23.70	23.39	23.71	23.71		
5	HQDM	1	12	23.73	23.45	23.66	23.66	24.5	
	HQDM	1	24	23.59	23.60	23.67	23.67		
5	HQDM	12	0	22.11	22.14	22.10	22.10	23.5	
	HQDM	12	12	22.18	22.21	22.26	22.26		
5	HQDM	12	12	22.07	22.07	22.18	22.18	23.5	
	HQDM	1	0	22.24	22.18	22.15	22.15		
5	HQDM	1	12	21.80	22.28	22.86	22.86	23.5	
	HQDM	1	24	22.51	22.40	22.47	22.47		
5	HQDM	12	0	21.19	21.09	21.07	21.07	22.5	
	HQDM	12	7	21.18	21.09	21.16	21.16		
5	HQDM	12	12	21.15	21.14	21.21	21.21	20.5	
	HQDM	24	0	21.15	21.19	21.13	21.13		
5	SSBQAM	1	0	19.24	19.23	19.21	19.21	20.5	
	SSBQAM	1	12	19.04	19.15	19.17	19.17		
5	SSBQAM	1	24	19.09	19.15	19.20	19.20	20.5	
	SSBQAM	12	0	19.27	19.23	19.20	19.20		
5	SSBQAM	12	7	19.31	19.24	19.23	19.23	20.5	
	SSBQAM	12	12	19.24	19.20	19.23	19.23		
5	SSBQAM	24	0	19.19	19.18	19.21	19.21	20.5	



Band 12_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Mean	Ch. 1 Freq	Ch. 2 Freq	Ch. 3 Freq	Time-up (sec)
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.21	24.21	24.21	707.5	707.5	711.1	25.5
10	QPSK	1	24	24.21	24.23	24.24				
10	QPSK	1	48	24.20	24.30	24.27				24.5
10	QPSK	25	12	23.25	23.26	23.33				
10	QPSK	25	25	23.34	23.33	23.41				24.5
10	QPSK	25	0	23.42	23.38	23.45				
10	HQDM	1	0	23.47	23.40	23.88				23.5
10	HQDM	1	24	23.45	23.46	23.71				
10	HQDM	1	48	23.62	23.65	23.81				23.5
10	HQDM	25	0	22.92	22.94	22.27				
10	HQDM	25	25	22.97	22.91	22.21				23.5
10	HQDM	25	0	22.92	22.98	22.41				
10	HQDM	50	0	22.92	22.98	22.37				23.5
10	HQDM	1	24	22.93	22.96	22.41				
10	HQDM	1	24	22.93	22.91	22.36				23.5
10	HQDM	1	48	22.18	22.68	22.38				
10	HQDM	25	0	21.33	21.28	21.31				22.5
10	HQDM	25	12	21.29	21.30	21.28				
10	HQDM	25	25	21.37	21.38	21.42				22.5
10	HQDM	25	0	21.31	21.38	21.38				
10	SSBQAM	1	0	19.59	19.58	19.86				20.5
10	SSBQAM	1	24	19.48	19.58	19.85				
10	SSBQAM	1	48	19.52	19.61	19.58				20.5
10	SSBQAM	25	0	19.55	19.60	19.57				
10	SSBQAM	25	12	19.51	19.58	19.55				20.5
10	SSBQAM	25	25	19.53	19.55	19.52				
10	SSBQAM	50	0	19.54	19.54	19.54				20.5
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.29	24.28	24.27	707.5	707.5	713.5	25.5
5	QPSK	1	12	24.25	24.30	24.26				
5	QPSK	1	24	24.24	24.28	24.25				24.5
5	QPSK	12	0	23.40	23.42	23.45				
5	QPSK	12	12	23.46	23.33	23.47				24.5
5	QPSK	12	18	23.44	23.42	23.43				
5	QPSK	25	0	23.49	23.44	23.40				24.5
5	HQDM	1	0	23.63	23.50	23.79				
5	HQDM	1	12	23.60	23.50	23.85				23.5
5	HQDM	1	24	23.75	23.61	23.44				
5	HQDM	12	0	22.44	22.39	22.50				23.5
5	HQDM	12	12	22.44	22.39	22.50				
5	HQDM	12	24	22.52	22.44	22.58				23.5
5	HQDM	12	18	22.45	22.42	22.46				
5	HQDM	25	0	22.43	22.47	22.41				23.5
5	HQDM	1	0	22.42	22.58	22.46				
5	HQDM	1	0	22.27	22.24	22.70				22.5
5	HQDM	1	24	22.17	22.69	22.46				
5	HQDM	12	0	21.48	21.33	21.50				22.5
5	HQDM	12	12	21.53	21.33	21.37				
5	HQDM	12	18	21.44	21.38	21.36				20.5
5	HQDM	25	0	21.48	21.48	21.43				
5	SSBQAM	1	0	19.50	19.48	19.63				20.5
5	SSBQAM	1	12	19.46	19.49	19.58				
5	SSBQAM	1	24	19.51	19.51	19.47				20.5
5	SSBQAM	12	0	19.45	19.51	19.54				
5	SSBQAM	12	12	19.51	19.45	19.47				20.5
5	SSBQAM	12	18	19.45	19.45	19.47				
5	SSBQAM	25	0	19.49	19.45	19.47				20.5
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.29	24.28	24.30	707.5	707.5	713.5	25.5
3	QPSK	1	6	24.27	24.25	24.29				
3	QPSK	1	12	24.28	24.28	24.30				24.5
3	QPSK	8	0	23.44	23.33	23.29				
3	QPSK	8	4	23.45	23.29	23.40				24.5
3	QPSK	8	8	23.42	23.39	23.38				
3	QPSK	18	0	23.32	23.39	23.44				24.5
3	HQDM	1	0	23.76	23.62	23.87				
3	HQDM	1	6	23.62	23.65	23.68				23.5
3	HQDM	1	12	23.63	23.65	24.02				
3	HQDM	8	0	22.48	22.31	22.44				23.5
3	HQDM	8	6	22.43	22.32	22.38				
3	HQDM	8	12	22.60	22.34	22.53				23.5
3	HQDM	18	0	22.43	22.36	22.40				
3	HQDM	1	0	22.28	22.46	22.57				23.5
3	HQDM	1	6	22.36	22.37	22.21				
3	HQDM	1	12	21.69	22.58	22.56				22.5
3	HQDM	8	0	21.45	21.23	21.49				
3	HQDM	8	4	20.97	21.35	21.44				22.5
3	HQDM	8	7	21.57	21.47	21.39				
3	HQDM	18	0	21.39	21.34	21.45				20.5
3	SSBQAM	1	0	19.57	19.46	19.54				
3	SSBQAM	1	6	19.40	19.50	19.50				20.5
3	SSBQAM	1	12	19.52	19.54	19.58				
3	SSBQAM	8	0	19.52	19.53	19.50				20.5
3	SSBQAM	8	4	19.51	19.44	19.48				
3	SSBQAM	8	7	19.43	19.55	19.45				20.5
3	SSBQAM	50	0	19.53	19.48	19.49				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.29	24.29	24.30	707.5	707.5	713.5	25.5
1.4	QPSK	1	3	24.17	24.22	24.30				
1.4	QPSK	1	5	24.30	24.28	24.29				24.5
1.4	QPSK	3	0	24.29	24.27	24.29				
1.4	QPSK	3	1	24.27	24.27	24.27				24.5
1.4	QPSK	3	3	24.29	24.30	24.30				
1.4	QPSK	6	0	23.42	23.37	23.38				24.5
1.4	HQDM	1	0	23.50	23.57	23.42				
1.4	HQDM	1	6	23.58	23.41	23.27				24.5
1.4	HQDM	1	5	23.38	23.49	23.58				
1.4	HQDM	3	0	23.29	23.62	23.50				23.5
1.4	HQDM	3	6	23.38	23.46	23.47				
1.4	HQDM	3	7	23.55	23.51	23.45				23.5
1.4	HQDM	6	0	22.40	22.31	22.48				
1.4	HQDM	1	0	22.66	22.28	22.56				23.5
1.4	HQDM	1	3	22.78	22.12	22.37				
1.4	HQDM	1	5	22.67	22.49	22.62				23.5
1.4	HQDM	3	0	22.29	22.27	22.46				
1.4	HQDM	3	1	22.37	22.69	22.53				22.5
1.4	HQDM	6	0	21.38	21.35	21.41				
1.4	SSBQAM	1	0	19.59	19.57	19.63				20.5
1.4	SSBQAM	1	6	19.59	19.53	19.54				
1.4	SSBQAM	1	5	19.51	19.51	19.52				20.5
1.4	SSBQAM	3	0	19.51	19.54	19.54				
1.4	SSBQAM	3	6	19.51	19.47	19.54				20.5
1.4	SSBQAM	3	3	19.50	19.54	19.49				
1.4	SSBQAM	6	0	19.47	19.46	19.45				20.5



Band 13_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mide Ch. F (MHz)	Power High Ch. F (MHz)	Time-up limit (min)	
Channel				782				
Frequency (MHz)								
15	QPSK	1	0	2447			25.5	
15	QPSK	1	24	2438				
15	QPSK	1	49	2448				
15	QPSK	25	0	2354			24.5	
15	QPSK	25	12	2355				
15	QPSK	25	25	2343				
15	QPSK	50	0	2358			24.5	
15	QPSK	50	12	2375				
15	QPSK	50	25	2347				
15	HQDM	1	0	2338			23.5	
15	HQDM	1	24	2338				
15	HQDM	1	49	2338				
15	HQDM	25	0	2257			23.5	
15	HQDM	25	12	2252				
15	HQDM	25	25	2258				
15	HQDM	50	0	2253			23.5	
15	HQDM	50	12	2256				
15	HQDM	50	25	2237				
15	HQDM	1	0	2249			22.5	
15	HQDM	1	24	2249				
15	HQDM	1	49	2249				
15	HQDM	25	0	2148			22.5	
15	HQDM	25	12	2148				
15	HQDM	25	25	2149				
15	HQDM	50	0	2157			20.5	
15	HQDM	50	12	2157				
15	HQDM	50	25	2157				
15	SSBQAM	1	0	1980			20.5	
15	SSBQAM	1	24	1971				
15	SSBQAM	1	49	1985				
15	SSBQAM	25	0	1985			20.5	
15	SSBQAM	25	12	1985				
15	SSBQAM	25	25	1953				
15	SSBQAM	50	0	1981			1.48-1.50 limit	
Channel				2385				
Frequency (MHz)								
5	QPSK	1	0	2442	2438	2443	25.5	
5	QPSK	1	12	2438	2440	2445		
5	QPSK	1	24	2441	2445	2438		
5	QPSK	12	0	2340	2350	2353	24.5	
5	QPSK	12	12	2336	2347	2351		
5	QPSK	12	24	2342	2342	2355		
5	QPSK	25	0	2337	2338	2352	24.5	
5	HQDM	1	0	2348	2353	2358		
5	HQDM	1	12	2331	2337	2402		
5	HQDM	1	24	2332	2351	2368	23.5	
5	HQDM	12	0	2252	2180	2258		
5	HQDM	12	12	2258	2247	2253		
5	HQDM	12	24	2273	2271	2257	23.5	
5	HQDM	25	0	2250	2253	2252		
5	HQDM	25	12	2213	2279	2284		
5	HQDM	1	0	2281	2274	2278	22.5	
5	HQDM	1	24	2278	2237	2278		
5	HQDM	12	0	2153	2153	2185		
5	HQDM	12	12	2153	2158	2150	22.5	
5	HQDM	12	24	2150	2140	2135		
5	HQDM	25	0	2150	2081	2150		
5	SSBQAM	1	0	1971	1980	1973	20.5	
5	SSBQAM	1	12	1983	1989	1988		
5	SSBQAM	1	24	1985	1985	1985		
5	SSBQAM	12	0	1959	1959	1954	20.5	
5	SSBQAM	12	12	1955	1958	1958		
5	SSBQAM	12	24	1944	1955	1950		
5	SSBQAM	25	0	1950	1951	1951	20.5	
5	SSBQAM	25	12	1950	1951	1951		
5	SSBQAM	25	24	1950	1951	1951		



Band 14_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Time-up (min)	
Channel							
Frequency (MHz)				793			
10	QPSK	1	0	24.58		25.5	
10	QPSK	1	24	24.19			
10	QPSK	1	48	24.22			
10	QPSK	25	0	23.34		24.5	
10	QPSK	25	12	23.23			
10	QPSK	25	25	23.26			
10	QPSK	50	0	23.21		24.5	
10	QPSK	50	12	23.27			
10	QPSK	50	25	23.63			
10	HQDM	1	48	23.65		23.5	
10	HQDM	25	0	22.29			
10	HQDM	25	12	22.34			
10	HQDM	25	25	22.38		23.5	
10	HQDM	50	0	22.23			
10	HQDM	50	12	22.11			
10	HQDM	1	25	22.23		22.5	
10	HQDM	1	49	22.18			
10	HQDM	25	0	21.24			
10	HQDM	25	12	21.21		22.5	
10	HQDM	25	25	21.18			
10	HQDM	50	0	21.24			
10	SSBQAM	1	0	19.83		20.5	
10	SSBQAM	1	25	19.52			
10	SSBQAM	1	49	19.56			
10	SSBQAM	25	0	19.51		20.5	
10	SSBQAM	25	12	19.43			
10	SSBQAM	25	25	19.44			
10	SSBQAM	50	0	19.49		20.5	
Channel				23.85	23.119		23.85
Frequency (MHz)				793.5	793		795.5
5	QPSK	1	0	24.22	24.29	24.27	25.5
5	QPSK	1	12	24.27	24.28	24.31	
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	12	23.38	23.34	23.39	
5	QPSK	12	18	23.37	23.36	23.30	
5	QPSK	25	0	23.40	23.40	23.39	24.5
5	HQDM	1	0	23.84	23.85	23.80	
5	HQDM	1	12	23.82	23.71	23.79	
5	HQDM	1	24	23.85	23.88	23.86	23.5
5	HQDM	12	0	22.49	22.58	22.38	
5	HQDM	12	7	22.44	22.37	22.51	
5	HQDM	12	13	22.43	22.37	22.42	23.5
5	HQDM	25	0	22.32	22.41	22.35	
5	HQDM	25	0	22.34	22.62	22.28	
5	HQDM	1	0	22.03	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	7	21.38	21.46	21.39	22.5
5	HQDM	12	13	21.45	21.39	21.39	
5	HQDM	25	0	21.37	21.42	21.39	
5	SSBQAM	1	0	19.51	19.56	19.51	20.5
5	SSBQAM	1	12	19.46	19.52	19.48	
5	SSBQAM	1	24	19.47	19.55	19.49	
5	SSBQAM	12	7	19.39	19.39	19.43	20.5
5	SSBQAM	12	13	19.51	19.49	19.44	
5	SSBQAM	12	19	19.39	19.39	19.43	
5	SSBQAM	25	0	19.43	19.37	19.38	20.5
5	SSBQAM	25	7	19.48	19.45	19.45	



Band 25_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Mean	Power High	Power Low	Power High	Time-up (min)	
Channel				2400	2400	2400	2400	2400	2400		
Frequency (MHz)				1860	1860	1860	1860	1860	1860		
20	QPSK	1	0	24.19	24.21	24.13				20.5	
20	QPSK	1	48	24.26	24.17	24.13				20.5	
20	QPSK	1	96	24.08	24.11	24.02				20.5	
20	QPSK	56	0	23.18	23.22	23.22				24.5	
20	QPSK	56	24	23.30	23.25	23.26				24.5	
20	QPSK	56	50	23.20	23.21	23.18				24.5	
20	QPSK	100	0	23.23	23.27	23.19				24.5	
20	HQDM	1	0	23.27	23.32	23.36				24.5	
20	HQDM	1	48	23.22	23.23	23.08				24.5	
20	HQDM	1	96	23.28	23.19	23.16				24.5	
20	HQDM	56	0	22.37	22.30	22.20				20.5	
20	HQDM	56	24	22.19	22.27	22.27				20.5	
20	HQDM	56	50	22.20	22.33	22.16				20.5	
20	HQDM	100	0	22.23	22.23	22.14				20.5	
20	HQDM	1	0	22.24	22.06	21.96				20.5	
20	HQDM	1	48	22.21	22.44	22.40				20.5	
20	HQDM	1	96	22.25	21.98	21.85				20.5	
20	HQDM	56	0	21.18	21.28	21.20				20.5	
20	HQDM	56	24	21.21	21.27	21.30				20.5	
20	HQDM	56	50	21.19	21.30	21.22				20.5	
20	HQDM	100	0	21.24	21.25	21.18				20.5	
20	SSBQAM	1	0	19.00	19.05	19.00				20.5	
20	SSBQAM	1	48	18.90	18.90	18.10				20.5	
20	SSBQAM	1	96	18.96	19.10	19.07				20.5	
20	SSBQAM	56	0	18.88	19.02	19.03				20.5	
20	SSBQAM	56	24	19.00	19.00	19.05				20.5	
20	SSBQAM	56	50	19.03	19.10	19.08				20.5	
20	SSBQAM	100	0	18.99	19.07	19.08				20.5	
Channel				1873.5	1873.5	1873.5					
Frequency (MHz)				1867.5	1860	1867.5					
15	QPSK	1	0	24.12	24.10	24.04				20.5	
15	QPSK	1	36	24.18	24.18	24.13				20.5	
15	QPSK	1	74	24.19	24.20	23.92				24.5	
15	QPSK	36	0	23.28	23.15	23.17				24.5	
15	QPSK	36	36	23.17	23.24	23.17				24.5	
15	QPSK	36	36	23.22	23.16	23.22				24.5	
15	QPSK	72	0	23.18	23.26	23.10				24.5	
15	HQDM	1	0	23.09	23.48	23.41				24.5	
15	HQDM	1	37	23.84	23.74	23.11				24.5	
15	HQDM	1	74	23.67	23.47	23.05				24.5	
15	HQDM	36	0	22.14	22.37	22.24				20.5	
15	HQDM	36	36	22.14	22.19	22.21				20.5	
15	HQDM	36	36	22.14	22.16	22.16				20.5	
15	HQDM	72	0	22.19	22.28	22.17				20.5	
15	HQDM	1	0	22.24	22.28	22.33				20.5	
15	HQDM	1	37	22.23	22.28	22.12				20.5	
15	HQDM	1	74	22.48	22.38	21.96				20.5	
15	HQDM	36	0	21.17	21.21	21.27				20.5	
15	HQDM	36	36	21.28	21.21	21.21				20.5	
15	HQDM	36	36	21.16	21.21	21.88				20.5	
15	HQDM	72	0	21.18	21.23	21.22				20.5	
15	SSBQAM	1	0	18.91	19.03	19.01				20.5	
15	SSBQAM	1	37	18.83	19.06	19.05				20.5	
15	SSBQAM	1	74	18.91	19.00	19.01				20.5	
15	SSBQAM	36	0	18.91	19.00	19.03				20.5	
15	SSBQAM	36	36	18.94	18.99	18.96				20.5	
15	SSBQAM	36	36	18.98	19.03	18.99				20.5	
15	SSBQAM	72	0	18.90	19.00	19.02				20.5	
Channel				2050.0	2050.0	2050.0					
Frequency (MHz)				2050.0	2050.0	2050.0					
10	QPSK	1	0	24.14	24.08	24.00				20.5	
10	QPSK	1	25	23.92	23.85	23.89				20.5	
10	QPSK	1	49	24.10	24.14	24.01				24.5	
10	QPSK	25	0	23.68	23.19	23.11				24.5	
10	QPSK	25	12	23.19	23.16	23.14				24.5	
10	QPSK	25	25	23.13	23.18	23.11				24.5	
10	QPSK	50	0	23.19	23.15	23.11				24.5	
10	HQDM	1	0	23.70	23.42	23.60				24.5	
10	HQDM	1	24	23.27	23.30	23.38				24.5	
10	HQDM	1	48	23.47	23.35	23.58				24.5	
10	HQDM	25	0	22.15	22.10	22.11				20.5	
10	HQDM	25	12	22.17	22.20	22.09				20.5	
10	HQDM	25	25	22.12	22.11	22.09				20.5	
10	HQDM	50	0	22.03	22.15	22.10				20.5	
10	HQDM	1	0	22.07	22.39	22.41				20.5	
10	HQDM	1	25	22.21	22.23	21.85				20.5	
10	HQDM	1	49	22.25	22.05	22.44				20.5	
10	HQDM	25	0	21.18	21.13	21.28				20.5	
10	HQDM	25	12	21.21	21.08	21.27				20.5	
10	HQDM	25	25	21.05	21.05	21.21				20.5	
10	HQDM	50	0	21.18	21.21	21.24				20.5	
10	SSBQAM	1	0	18.91	19.00	19.00				20.5	
10	SSBQAM	1	24	18.91	19.00	19.00				20.5	
10	SSBQAM	1	48	18.87	19.14	18.97				20.5	
10	SSBQAM	25	0	18.94	18.94	18.99				20.5	
10	SSBQAM	25	12	18.92	19.05	19.04				20.5	
10	SSBQAM	25	25	18.99	19.00	19.04				20.5	
10	SSBQAM	50	0	18.90	18.99	18.98				20.5	
Channel				2065.5	2065.5	2065.5					
Frequency (MHz)				1822.5	1860	1822.5					
5	QPSK	1	0	24.11	24.13	24.08				20.5	
5	QPSK	1	12	24.10	24.13	23.87				20.5	
5	QPSK	1	24	24.07	24.10	23.91				20.5	
5	QPSK	12	0	23.24	23.18	23.08				24.5	
5	QPSK	12	7	23.13	23.19	23.05				24.5	
5	QPSK	12	13	23.14	23.24	23.03				24.5	
5	QPSK	24	0	23.12	23.18	23.07				24.5	
5	HQDM	1	0	22.89	23.26	23.58				24.5	
5	HQDM	1	12	23.58	23.58	23.48				24.5	
5	HQDM	1	24	23.43	23.15	23.33				24.5	
5	HQDM	12	0	22.18	22.18	22.12				20.5	
5	HQDM	12	7	22.20	22.28	22.03				20.5	
5	HQDM	12	13	22.21	22.23	22.11				20.5	
5	HQDM	24	0	22.21	22.10	22.10				20.5	
5	HQDM	1	0	22.25	22.45	22.08				20.5	
5	HQDM	1	12	22.20	22.37	21.99				20.5	
5	HQDM	1	24	21.88	22.43	21.97				20.5	
5	HQDM	12	0	21.09	21.18	21.04				20.5	
5	HQDM	12	7	21.15	21.11	20.99				20.5	
5	HQDM	12	13	21.05	21.09	21.00				20.5	
5	HQDM	24	0	21.08	21.14	21.12				20.5	
5	SSBQAM	1	0	18.98	19.06	19.00				20.5	
5	SSBQAM	1	12	18.93	18.98	19.02				20.5	
5	SSBQAM	1	24	18.98	19.12	19.07				20.5	
5	SSBQAM	12	0	18.90	18.92	19.00				20.5	
5	SSBQAM	12	7	18.98	19.08	18.98				20.5	
5	SSBQAM	12	13	18.98	19.06	19.00				20.5	
5	SSBQAM	24	0	18.95	19.00	19.04				20.5	
5	SSBQAM	24	0	18.92	19.07	19.03				20.5	
Channel				2070.0	2070.0	2070.0					
Frequency (MHz)				1825.0	1860	1825.0					
3	QPSK	1	0	24.13	24.08	23.98				20.5	
3	QPSK	1	6	24.07	24.05	23.97				20.5	
3	QPSK	1	14	24.08	24.04	23.95				20.5	
3	QPSK	6	0	23.13	23.01	23.02				24.5	
3	QPSK	6	4	23.12	23.09	22.94				24.5	
3	QPSK	6	7	23.11	23.09	22.98				24.5	
3	QPSK	12	0	23.11	23.18	23.05				24.5	
3	HQDM	1	0	23.49	22.98	23.44				24.5	
3	HQDM	1	6	23.12	23.12	23.31				24.5	
3	HQDM	1	14	23.28	23.46	23.06				24.5	
3	HQDM	6	0	22.28	22.04	22.03				20.5	
3	HQDM	6	4	22.22	22.10	21.93				20.5	
3	HQDM	6	7	22.11	22.23	22.05				20.5	
3	HQDM	12	0	22.12	22.10	21.85				20.5	
3	HQDM	1	0	22.39	22.01	22.07				20.5	
3	HQDM	1	6	22.11	21.98	22.13				20.5	
3	HQDM	1	14	22.38	21.98	21.90				20.5	
3	HQDM	6	0	21.18	21.18	21.02				20.5	
3	HQDM	6	4	21.10	21.00	20.90				20.5	
3	HQDM	6	7	21.10	21.14	20.92				20.5	
3	HQDM	12	0	21.05	21.09	20.97				20.5	
3	HQDM	1	0	18.90	18.98	18.99				20.5	
3	SSBQAM	1	6	18.93	19.03	19.03				20.5	
3	SSBQAM	1	14	18.90	19.10						



Band 26_Ant 0									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Mean Ch. Freq.	Power High Ch. Freq.	Time-up [min]	Power [dBm]
Channel									
Frequency (MHz)									
15	QPSK	1	0	2415	2420	2417.5	2415	25.5	
15	QPSK	1	31	2416	2421	2418.5	2416		
15	QPSK	1	74	2413	2418	2415.5	2413	24.5	
15	QPSK	36	20	2327	2331	2329	2327		
15	QPSK	36	39	2320	2324	2322	2320	24.5	
15	QPSK	76	0	2328	2334	2331	2328		
15	HQDM	1	0	2340	2347	2343.5	2340	24.5	
15	HQDM	1	37	2341	2348	2344.5	2341		
15	HQDM	1	74	2339	2343	2341	2339	23.5	
15	HQDM	36	0	2253	2259	2256	2253		
15	HQDM	36	39	2257	2261	2259	2257	23.5	
15	HQDM	76	0	2257	2265	2261	2257		
15	HQDM	1	0	2228	2234	2231	2228	23.5	
15	HQDM	1	37	2229	2232	2230.5	2229		
15	HQDM	1	74	2228	2233	2230.5	2228	22.5	
15	HQDM	36	0	2124	2129	2126.5	2124		
15	HQDM	36	20	2125	2124	2124.5	2117	22.5	
15	HQDM	36	39	2121	2122	2121.5	2118		
15	HQDM	76	0	2123	2123	2123	2123	20.5	
15	SSBQAM	1	0	1947	1950	1948.5	1947		
15	SSBQAM	1	37	1948	1951	1949.5	1948	20.5	
15	SSBQAM	74	0	1936	1943	1939.5	1936		
15	SSBQAM	36	0	1944	1937	1940.5	1944	20.5	
15	SSBQAM	36	39	1941	1938	1939.5	1941		
15	SSBQAM	36	78	1938	1935	1936.5	1941	20.5	
15	SSBQAM	76	0	1937	1940	1938.5	1941		
Channel									
Frequency (MHz)									
10	QPSK	1	0	2413	2423	2418	2415	25.5	
10	QPSK	1	36	2408	2407	2407.5	2416		
10	QPSK	1	49	2416	2410	2413	2412	24.5	
10	QPSK	26	0	2332	2332	2332	2328		
10	QPSK	26	49	2321	2325	2323	2327	24.5	
10	QPSK	26	26	2323	2324	2323.5	2323		
10	QPSK	50	0	2338	2324	2331	2325	24.5	
10	HQDM	1	0	2340	2344	2342	2341		
10	HQDM	1	26	2337	2326	2331.5	2326	23.5	
10	HQDM	1	49	2331	2326	2328.5	2326		
10	HQDM	26	0	2227	2229	2228	2218	23.5	
10	HQDM	26	12	2233	2223	2228	2224		
10	HQDM	26	26	2221	2216	2218.5	2221	23.5	
10	HQDM	50	0	2220	2225	2222.5	2220		
10	HQDM	1	0	2220	2217	2218.5	2226	23.5	
10	HQDM	1	26	2220	2225	2222.5	2220		
10	HQDM	1	49	2227	2225	2226	2227	22.5	
10	HQDM	26	0	2126	2120	2123	2126		
10	HQDM	26	12	2125	2126	2125.5	2123	22.5	
10	HQDM	26	26	2124	2121	2122.5	2123		
10	HQDM	50	0	2127	2126	2126.5	2123	20.5	
10	SSBQAM	1	0	1934	1948	1941	1938		
10	SSBQAM	1	26	1946	1935	1940.5	1944	20.5	
10	SSBQAM	1	49	1941	1937	1939	1941		
10	SSBQAM	26	0	1935	1937	1936	1941	20.5	
10	SSBQAM	26	12	1933	1938	1935.5	1933		
10	SSBQAM	26	26	1931	1935	1933	1935	20.5	
10	SSBQAM	50	0	1930	1936	1933	1930		
Channel									
Frequency (MHz)									
5	QPSK	1	0	2423	2424	2423.5	2423	25.5	
5	QPSK	1	12	2419	2412	2415.5	2419		
5	QPSK	1	24	2412	2424	2418	2408	24.5	
5	QPSK	12	0	2323	2326	2324.5	2332		
5	QPSK	12	7	2323	2330	2326.5	2334	24.5	
5	QPSK	12	14	2323	2324	2323.5	2328		
5	QPSK	24	0	2324	2321	2322.5	2329	24.5	
5	HQDM	1	0	2341	2326	2333.5	2326		
5	HQDM	1	14	2338	2320	2329	2327	24.5	
5	HQDM	1	24	2341	2321	2331	2313		
5	HQDM	1	21	2214	2216	2215	2216	23.5	
5	HQDM	12	7	2220	2227	2223.5	2227		
5	HQDM	12	14	2217	2226	2221.5	2227	23.5	
5	HQDM	26	0	2225	2222	2223.5	2223		
5	HQDM	1	0	2123	2246	2227.5	2271	23.5	
5	HQDM	1	12	2221	2226	2223.5	2214		
5	HQDM	1	24	2226	2223	2224.5	2229	22.5	
5	HQDM	12	0	2115	2114	2114.5	2123		
5	HQDM	12	7	2123	2125	2124	2125	22.5	
5	HQDM	12	14	2113	2126	2119.5	2114		
5	HQDM	26	0	2129	2126	2127.5	2122	20.5	
5	SSBQAM	1	0	1932	1932	1932	1934		
5	SSBQAM	1	12	1932	1938	1935	1934	20.5	
5	SSBQAM	1	24	1938	1930	1934	1933		
5	SSBQAM	12	0	1936	1931	1933.5	1936	20.5	
5	SSBQAM	12	7	1941	1932	1936.5	1933		
5	SSBQAM	12	14	1928	1933	1933.5	1931	20.5	
5	SSBQAM	26	0	1931	1938	1934.5	1942		
Channel									
Frequency (MHz)									
3	QPSK	1	0	2413	2423	2418	2415	25.5	
3	QPSK	1	8	2396	2424	2410	2410		
3	QPSK	1	14	2406	2405	2405.5	2415	24.5	
3	QPSK	8	0	2319	2318	2318.5	2321		
3	QPSK	8	4	2324	2314	2319	2326	24.5	
3	QPSK	8	7	2313	2322	2317.5	2326		
3	QPSK	16	0	2316	2315	2315.5	2327	24.5	
3	HQDM	1	0	2326	2325	2325.5	2321		
3	HQDM	1	8	2323	2322	2322.5	2326	23.5	
3	HQDM	1	14	2321	2326	2323.5	2326		
3	HQDM	8	0	2219	2213	2216	2232	23.5	
3	HQDM	8	4	2223	2216	2219.5	2226		
3	HQDM	8	7	2216	2211	2213.5	2237	23.5	
3	HQDM	16	0	2217	2228	2222.5	2233		
3	HQDM	1	0	2216	2228	2222	2237	23.5	
3	HQDM	1	8	2220	2235	2217.5	2184		
3	HQDM	1	14	2220	2224	2222	2210	22.5	
3	HQDM	8	0	2119	2121	2120	2121		
3	HQDM	8	4	2122	2114	2118	2127	22.5	
3	HQDM	8	7	2119	2124	2121.5	2123		
3	HQDM	16	0	2113	2121	2117	2116	20.5	
3	SSBQAM	1	0	1947	1950	1948.5	1954		
3	SSBQAM	1	8	1948	1932	1940	1950	20.5	
3	SSBQAM	1	14	1929	1940	1934.5	1941		
3	SSBQAM	8	0	1942	1936	1939	1936	20.5	
3	SSBQAM	8	4	1934	1930	1932	1935		
3	SSBQAM	8	7	1927	1925	1926	1934	20.5	
3	SSBQAM	16	0	1933	1933	1933	1941		
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	2411	2412	2411.5	2415	25.5	
1.4	QPSK	1	8	2408	2407	2407.5	2411		
1.4	QPSK	1	5	2414	2415	2414.5	2406	24.5	
1.4	QPSK	3	0	2416	2413	2414.5	2416		
1.4	QPSK	3	0	2420	2414	2417	2424	24.5	
1.4	QPSK	3	8	2417	2415	2416	2415		
1.4	QPSK	3	0	2332	2335	2333.5	2344	24.5	
1.4	HQDM	1	0	2332	2335	2333.5	2344		
1.4	HQDM	1	8	2332	2319	2325.5	2327	24.5	
1.4	HQDM	1	20	2328	2327	2327.5	2326		
1.4	HQDM	3	0	2321	2318	2319.5	2326	24.5	
1.4	HQDM	3	1	2320	2328	2324	2333		
1.4	HQDM	3	1	2321	2320	2320.5	2324	23.5	
1.4	HQDM	8	0	2217	2211	2214	2217		
1.4	HQDM	1	0	2227	2220	2223.5	2234	23.5	
1.4	HQDM	1	1	2217	2212	2214.5	2212		
1.4	HQDM	1	5	2221	2229	2225	2228	23.5	
1.4	HQDM	3	0	2216	2219	2216.5	2226		
1.4	HQDM	3	0	2222	2228	2225	2231	20.5	
1.4	HQDM	3	8	2220	2220	2220	2226		
1.4	HQDM	8	0	2128	2126	2127	2126	20.5	
1.4	SSBQAM	1	0	1945	1947	1946	1950		
1.4	SSBQAM	1							



Band 30_Ant 2						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Time-up (min)
Channel						
Frequency (MHz)						
10	QPSK	1	0	24.11	24.11	25.5
10	QPSK	1	25	23.92	23.92	
10	QPSK	1	49	23.98	23.98	
10	QPSK	25	0	23.16	23.16	24.5
10	QPSK	25	12	23.14	23.14	
10	QPSK	25	25	23.10	23.10	
10	QPSK	50	0	23.14	23.14	24.5
10	QPSK	50	12	23.12	23.12	
10	QPSK	50	25	23.07	23.07	
10	HQDM	1	0	22.86	22.86	23.5
10	HQDM	1	25	22.77	22.77	
10	HQDM	1	49	22.70	22.70	
10	HQDM	25	0	22.12	22.12	23.5
10	HQDM	25	12	22.09	22.09	
10	HQDM	25	25	22.07	22.07	
10	HQDM	50	0	22.17	22.17	23.5
10	HQDM	50	12	22.16	22.16	
10	HQDM	50	25	22.51	22.51	
10	HQDM	1	0	22.17	22.17	23.5
10	HQDM	1	25	22.18	22.18	
10	HQDM	1	49	22.17	22.17	
10	HQDM	25	0	21.18	21.18	22.5
10	HQDM	25	12	21.03	21.03	
10	HQDM	25	25	21.02	21.02	
10	HQDM	50	0	21.18	21.18	20.5
10	HQDM	50	12	21.18	21.18	
10	HQDM	50	25	21.31	21.31	
10	SSBQAM	1	0	19.51	19.51	20.5
10	SSBQAM	1	25	19.36	19.36	
10	SSBQAM	1	49	19.38	19.38	
10	SSBQAM	25	0	19.36	19.36	20.5
10	SSBQAM	25	12	19.34	19.34	
10	SSBQAM	25	25	19.28	19.28	
10	SSBQAM	50	0	19.34	19.34	20.5
10	SSBQAM	50	12	19.34	19.34	
10	SSBQAM	50	25	19.34	19.34	
Channel						
Frequency (MHz)						
5	QPSK	1	0	24.08	24.08	25.5
5	QPSK	1	19	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	18	23.20	23.15	
5	QPSK	12	18	23.24	23.19	
5	QPSK	25	0	23.17	23.22	24.5
5	QPSK	25	12	23.08	23.10	
5	QPSK	25	25	23.41	23.40	
5	HQDM	1	0	22.55	22.49	23.5
5	HQDM	1	25	22.22	22.17	
5	HQDM	1	49	22.28	22.13	
5	HQDM	12	0	22.22	22.17	23.5
5	HQDM	12	18	22.14	22.09	
5	HQDM	12	18	22.19	22.09	
5	HQDM	25	0	22.19	22.09	23.5
5	HQDM	25	12	22.22	22.17	
5	HQDM	25	25	22.22	22.17	
5	HQDM	1	0	22.14	22.22	23.5
5	HQDM	1	19	22.03	22.11	
5	HQDM	1	24	22.20	22.10	
5	HQDM	12	0	21.03	20.99	22.5
5	HQDM	12	18	21.04	21.05	
5	HQDM	12	18	21.10	21.08	
5	HQDM	25	0	21.10	21.08	20.5
5	HQDM	25	12	21.08	21.11	
5	HQDM	25	25	21.04	21.05	
5	SSBQAM	1	0	19.45	19.44	20.5
5	SSBQAM	1	12	19.39	19.29	
5	SSBQAM	1	25	19.38	19.27	
5	SSBQAM	12	0	19.38	19.34	20.5
5	SSBQAM	12	18	19.35	19.34	
5	SSBQAM	12	18	19.30	19.31	
5	SSBQAM	25	0	19.32	19.33	20.5
5	SSBQAM	25	12	19.30	19.32	
5	SSBQAM	25	25	19.28	19.32	





Band 66_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power High Ch. Freq	Power Mean Ch. Freq	Power Low Freq	Power High Freq	Time-up (min)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	2417	2419	2418	1770	1770	25.5	
20	QPSK	1	48	2420	2417	2422	1770	1770		
20	QPSK	1	96	2428	2409	2419	1770	1770		
20	QPSK	50	24	2330	2330	2333	1770	1770	24.5	
20	QPSK	50	50	2324	2328	2331	1770	1770		
20	QPSK	100	0	2319	2330	2325	1770	1770		
20	HQDM	1	0	2318	2341	2348	1770	1770	24.5	
20	HQDM	1	48	2342	2341	2338	1770	1770		
20	HQDM	1	96	2328	2334	2330	1770	1770		
20	HQDM	50	0	2219	2217	2220	1770	1770	23.5	
20	HQDM	50	24	2227	2225	2228	1770	1770		
20	HQDM	50	50	2240	2230	2223	1770	1770		
20	HQDM	100	0	2223	2222	2217	1770	1770	23.5	
20	HQDM	1	0	2240	2244	2244	1770	1770		
20	HQDM	1	48	2227	2223	2234	1770	1770		
20	HQDM	1	96	2199	2232	2246	1770	1770	22.5	
20	HQDM	50	0	2130	2130	2130	1770	1770		
20	HQDM	50	24	2127	2132	2134	1770	1770		
20	HQDM	50	50	2134	2132	2133	1770	1770	22.5	
20	HQDM	100	0	2121	2118	2124	1770	1770		
20	SSBQAM	1	0	1838	1813	1830	1770	1770		20.5
20	SSBQAM	1	48	1810	1819	1808	1770	1770		
20	SSBQAM	1	96	1824	1819	1825	1770	1770		
20	SSBQAM	50	0	1839	1807	1802	1770	1770	20.5	
20	SSBQAM	50	24	1828	1816	1811	1770	1770		
20	SSBQAM	50	50	1811	1818	1815	1770	1770		
20	SSBQAM	100	0	1804	1808	1813	1770	1770	19.5	
Channel										
Frequency (MHz)										
15	QPSK	1	0	2418	2415	2406	1772.5	1772.5	25.5	
15	QPSK	1	36	2425	2410	2406	1772.5	1772.5		
15	QPSK	1	74	2418	2408	2410	1772.5	1772.5		
15	QPSK	36	0	2319	2320	2323	1772.5	1772.5	24.5	
15	QPSK	36	24	2320	2325	2327	1772.5	1772.5		
15	QPSK	36	36	2330	2325	2317	1772.5	1772.5		
15	QPSK	72	0	2320	2330	2321	1772.5	1772.5	24.5	
15	HQDM	1	0	2318	2316	2317	1772.5	1772.5		
15	HQDM	1	36	2324	2320	2320	1772.5	1772.5		
15	HQDM	1	74	2335	2325	2324	1772.5	1772.5	23.5	
15	HQDM	36	0	2224	2227	2225	1772.5	1772.5		
15	HQDM	36	36	2233	2224	2222	1772.5	1772.5		
15	HQDM	36	36	2228	2221	2224	1772.5	1772.5	23.5	
15	HQDM	72	0	2238	2225	2224	1772.5	1772.5		
15	HQDM	72	0	2238	2228	2244	1772.5	1772.5		
15	HQDM	1	0	2225	2233	2238	1772.5	1772.5	22.5	
15	HQDM	1	74	2248	2237	2239	1772.5	1772.5		
15	HQDM	36	0	2138	2140	2115	1772.5	1772.5		
15	HQDM	36	24	2124	2128	2122	1772.5	1772.5	22.5	
15	HQDM	36	36	2116	2120	2128	1772.5	1772.5		
15	HQDM	72	0	2120	2125	2110	1772.5	1772.5		
15	SSBQAM	1	0	1820	1803	1800	1772.5	1772.5	20.5	
15	SSBQAM	1	36	1827	1813	1803	1772.5	1772.5		
15	SSBQAM	1	74	1825	1802	1802	1772.5	1772.5		
15	SSBQAM	36	0	1829	1808	1811	1772.5	1772.5	20.5	
15	SSBQAM	36	36	1825	1813	1802	1772.5	1772.5		
15	SSBQAM	72	0	1822	1802	1805	1772.5	1772.5		
Channel										
Frequency (MHz)										
10	QPSK	1	0	2414	2418	2412	1775	1775	25.5	
10	QPSK	1	24	2410	2403	2398	1775	1775		
10	QPSK	1	48	2412	2408	2413	1775	1775		
10	QPSK	24	0	2319	2326	2317	1775	1775	24.5	
10	QPSK	24	12	2325	2317	2314	1775	1775		
10	QPSK	24	24	2314	2319	2315	1775	1775		
10	QPSK	60	0	2328	2318	2315	1775	1775	24.5	
10	HQDM	1	0	2320	2321	2340	1775	1775		
10	HQDM	1	24	2331	2344	2345	1775	1775		
10	HQDM	1	48	2347	2342	2338	1775	1775	23.5	
10	HQDM	24	0	2228	2238	2218	1775	1775		
10	HQDM	24	12	2222	2233	2227	1775	1775		
10	HQDM	24	24	2222	2221	2220	1775	1775	23.5	
10	HQDM	60	0	2228	2215	2213	1775	1775		
10	HQDM	1	0	2212	2203	2225	1775	1775		
10	HQDM	1	24	2228	2198	2226	1775	1775	22.5	
10	HQDM	1	48	2220	2245	2233	1775	1775		
10	HQDM	24	0	2133	2129	2132	1775	1775		
10	HQDM	24	12	2122	2124	2127	1775	1775	22.5	
10	HQDM	24	24	2129	2128	2118	1775	1775		
10	HQDM	50	0	2128	2131	2114	1775	1775		
10	SSBQAM	1	0	1822	1816	1808	1775	1775	20.5	
10	SSBQAM	1	24	1822	1819	1821	1775	1775		
10	SSBQAM	1	48	1814	1815	1816	1775	1775		
10	SSBQAM	24	0	1827	1807	1808	1775	1775	20.5	
10	SSBQAM	24	12	1828	1816	1810	1775	1775		
10	SSBQAM	24	24	1822	1812	1813	1775	1775		
10	SSBQAM	50	0	1828	1802	1805	1775	1775	19.5	
Channel										
Frequency (MHz)										
5	QPSK	1	0	2412	2409	2405	1777.5	1777.5	25.5	
5	QPSK	1	12	2421	2416	2410	1777.5	1777.5		
5	QPSK	1	24	2422	2415	2421	1777.5	1777.5		
5	QPSK	12	0	2323	2322	2316	1777.5	1777.5	24.5	
5	QPSK	12	6	2329	2317	2322	1777.5	1777.5		
5	QPSK	12	12	2322	2324	2319	1777.5	1777.5		
5	HQDM	1	0	2324	2327	2321	1777.5	1777.5	24.5	
5	HQDM	1	6	2337	2329	2327	1777.5	1777.5		
5	HQDM	1	12	2328	2344	2344	1777.5	1777.5		
5	HQDM	1	24	2331	2319	2332	1777.5	1777.5	23.5	
5	HQDM	12	0	2229	2221	2221	1777.5	1777.5		
5	HQDM	12	6	2228	2223	2221	1777.5	1777.5		
5	HQDM	12	12	2234	2231	2218	1777.5	1777.5	23.5	
5	HQDM	24	0	2231	2228	2217	1777.5	1777.5		
5	HQDM	1	0	2221	2227	2225	1777.5	1777.5		
5	HQDM	1	12	2223	2223	2220	1777.5	1777.5	23.5	
5	HQDM	1	24	2247	2220	2222	1777.5	1777.5		
5	HQDM	12	0	2138	2140	2122	1777.5	1777.5		
5	HQDM	12	6	2110	2132	2124	1777.5	1777.5	22.5	
5	HQDM	12	12	2124	2125	2124	1777.5	1777.5		
5	HQDM	24	0	2113	2124	2123	1777.5	1777.5		
5	SSBQAM	1	0	1822	1807	1800	1777.5	1777.5	20.5	
5	SSBQAM	1	12	1822	1816	1808	1777.5	1777.5		
5	SSBQAM	1	24	1818	1819	1820	1777.5	1777.5		
5	SSBQAM	12	0	1829	1804	1808	1777.5	1777.5	20.5	
5	SSBQAM	12	6	1824	1813	1802	1777.5	1777.5		
5	SSBQAM	12	12	1828	1813	1812	1777.5	1777.5		
5	SSBQAM	22	0	1829	1808	1813	1777.5	1777.5	19.5	
Channel										
Frequency (MHz)										
3	QPSK	1	0	2422	2422	2412	1779.5	1779.5	25.5	
3	QPSK	1	6	2420	2418	2418	1779.5	1779.5		
3	QPSK	1	14	2420	2412	2400	1779.5	1779.5		
3	QPSK	6	0	2319	2318	2322	1779.5	1779.5	24.5	
3	QPSK	6	4	2322	2316	2320	1779.5	1779.5		
3	QPSK	6	7	2324	2324	2318	1779.5	1779.5		
3	HQDM	1	0	2327	2325	2319	1779.5	1779.5	24.5	
3	HQDM	1	6	2345	2329	2316	1779.5	1779.5		
3	HQDM	1	12	2328	2320	2323	1779.5	1779.5		
3	HQDM	6	0	2223	2228	2225	1779.5	1779.5	23.5	
3	HQDM	6	6	2223	2228	2225	1779.5	1779.5		
3	HQDM	18	0	2228	2244	2228	1779.5	1779.5		
3	HQDM	1	0	2232	2237	2232	1779.5	1779.5	23.5	
3	HQDM	1	6	2228	2231	2230	1779.5	1779.5		
3	HQDM	1	14	2228	2254	2250	1779.5	1779.5		
3	HQDM	6	0	2123	2130	2110	1779.5	1779.5	22.5	
3	HQDM	6	4	2120	2120	2119	1779.5	1779.5		
3	HQDM	6	7	2136	2125	2128	1779.5	1779.5		
3	HQDM	18	0	2120	2115	2120	1779.5	1779.5	20.5	
3	SSBQAM	1	0	1828	1808	1809	1779.5	1779.5		
3	SSBQAM	1	6	1821	1811	1803	1779.5	1779.5		
3	SSBQAM	6	0	1828	1801	1804	1779.5	1779.5	20.5	
3	SSBQAM	6	4	1820	1809	1803	1779.5	1779.5		
3	SSBQAM	6	7	1825	1809	1811	1779.5	1779.5		
3	SSBQAM	18	0	1820	1808	1806	1779.5	1779.5	19.5	
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	2327	2400	2401	1781.5	1781.5	25.5	
1.4	QPSK	1	3	2327	2320	2324	1781.5	1781.5		
1.4	QPSK	1	6	2402	2402	2399	1781.5	1781.5		
1.4	QPSK	3	0	2403	2398	2404	1781.5	1781.5	24.5	
1.4	QPSK	3	1	2411	2400	2407	1781.5	1781.5		
1.4	QPSK	3	2	2399	2390	2392	1781.5	1781.5		
1.4	QPSK	6	0	2323	232					



Band 71_Ant 0										
BW [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 [min]	Time-down [min]	
Channel										
Frequency (MHz)										
20	QPSK	1	0	2413	2419	2417	2417			25.5
20	QPSK	1	48	2411	2418	2415	2415			25.5
20	QPSK	1	96	2409	2417	2415	2415			25.5
20	QPSK	56	0	2327	2338	2331	2331			24.5
20	QPSK	56	24	2328	2332	2328	2328			24.5
20	QPSK	56	50	2327	2327	2324	2324			24.5
20	QPSK	100	0	2325	2328	2319	2319			24.5
20	HQDM	1	0	2343	2339	2384	2384			24.5
20	HQDM	1	48	2333	2372	2358	2358			24.5
20	HQDM	1	96	2320	2348	2348	2348			24.5
20	HQDM	56	0	2229	2227	2223	2223			23.5
20	HQDM	56	24	2215	2225	2226	2226			23.5
20	HQDM	56	50	2219	2224	2227	2227			23.5
20	HQDM	100	0	2224	2232	2228	2228			23.5
20	HQDM	1	0	2241	2236	2200	2200			23.5
20	HQDM	1	48	2172	2228	2204	2204			23.5
20	HQDM	1	96	2238	2227	2209	2209			23.5
20	HQDM	56	0	2117	2121	2119	2119			22.5
20	HQDM	56	24	2128	2123	2124	2124			22.5
20	HQDM	56	50	2122	2132	2124	2124			22.5
20	HQDM	100	0	2120	2128	2127	2127			22.5
20	SSBQAM	1	0	1947	1933	1940	1940			20.5
20	SSBQAM	1	48	1938	1931	1922	1922			20.5
20	SSBQAM	1	96	1924	1916	1911	1911			20.5
20	SSBQAM	56	0	1924	1927	1933	1933			20.5
20	SSBQAM	56	24	1925	1924	1948	1948			20.5
20	SSBQAM	56	50	1939	1938	1943	1943			20.5
20	SSBQAM	100	0	1945	1948	1950	1950			20.5
Channel										
Frequency (MHz)										
15	QPSK	1	0	2410	2409	2413	2413			25.5
15	QPSK	1	36	2418	2407	2414	2414			25.5
15	QPSK	1	72	2413	2418	2411	2411			25.5
15	QPSK	36	0	2341	2331	2328	2328			24.5
15	QPSK	36	36	2342	2337	2328	2328			24.5
15	QPSK	36	36	2338	2333	2323	2323			24.5
15	QPSK	72	0	2340	2331	2331	2331			24.5
15	HQDM	1	0	2274	2354	2349	2349			24.5
15	HQDM	1	36	2334	2366	2379	2379			24.5
15	HQDM	1	72	2367	2377	2344	2344			24.5
15	HQDM	36	0	2239	2229	2227	2227			23.5
15	HQDM	36	36	2232	2228	2224	2224			23.5
15	HQDM	36	36	2233	2231	2234	2234			23.5
15	HQDM	72	0	2235	2228	2228	2228			23.5
15	HQDM	1	0	2241	2209	2247	2247			23.5
15	HQDM	1	36	2225	2233	2248	2248			23.5
15	HQDM	1	72	2228	2286	2224	2224			23.5
15	HQDM	36	0	2127	2137	2121	2121			22.5
15	HQDM	36	36	2128	2128	2125	2125			22.5
15	HQDM	36	36	2130	2129	2126	2126			22.5
15	HQDM	72	0	2132	2126	2121	2121			22.5
15	SSBQAM	1	0	1921	1925	1934	1934			20.5
15	SSBQAM	1	36	1936	1940	1915	1915			20.5
15	SSBQAM	1	72	1924	1924	1926	1926			20.5
15	SSBQAM	36	0	1949	1959	1949	1949			20.5
15	SSBQAM	36	36	1943	1943	1941	1941			20.5
15	SSBQAM	36	36	1938	1934	1933	1933			20.5
15	SSBQAM	72	0	1943	1948	1943	1943			20.5
Channel										
Frequency (MHz)										
10	QPSK	1	0	2411	2418	2417	2417			25.5
10	QPSK	1	24	2414	2404	2403	2403			25.5
10	QPSK	1	48	2418	2418	2409	2409			25.5
10	QPSK	24	0	2334	2325	2323	2323			24.5
10	QPSK	24	12	2338	2332	2322	2322			24.5
10	QPSK	24	24	2338	2324	2325	2325			24.5
10	QPSK	60	0	2340	2334	2320	2320			24.5
10	HQDM	1	0	2388	2343	2338	2338			24.5
10	HQDM	1	24	2333	2356	2324	2324			24.5
10	HQDM	1	48	2333	2358	2313	2313			24.5
10	HQDM	24	0	2228	2227	2217	2217			23.5
10	HQDM	24	12	2241	2232	2211	2211			23.5
10	HQDM	24	24	2238	2233	2215	2215			23.5
10	HQDM	60	0	2241	2236	2227	2227			23.5
10	HQDM	1	0	2241	2224	2218	2218			23.5
10	HQDM	1	24	2193	2232	2217	2217			23.5
10	HQDM	1	48	2191	2209	2236	2236			23.5
10	HQDM	24	0	2121	2125	2120	2120			22.5
10	HQDM	24	12	2129	2122	2129	2129			22.5
10	HQDM	24	24	2136	2122	2130	2130			22.5
10	HQDM	60	0	2130	2129	2129	2129			22.5
10	SSBQAM	1	0	1928	1944	1927	1927			20.5
10	SSBQAM	1	24	1932	1938	1925	1925			20.5
10	SSBQAM	1	48	1913	1932	1907	1907			20.5
10	SSBQAM	24	0	1939	1946	1944	1944			20.5
10	SSBQAM	24	12	1937	1944	1939	1939			20.5
10	SSBQAM	24	24	1937	1937	1928	1928			20.5
10	SSBQAM	60	0	1939	1944	1931	1931			20.5
Channel										
Frequency (MHz)										
5	QPSK	1	0	2413	2415	2411	2411			25.5
5	QPSK	1	12	2414	2412	2417	2417			25.5
5	QPSK	1	24	2418	2415	2416	2416			25.5
5	QPSK	12	0	2319	2316	2320	2320			24.5
5	QPSK	12	6	2328	2321	2322	2322			24.5
5	QPSK	12	12	2321	2318	2310	2310			24.5
5	QPSK	24	0	2326	2324	2317	2317			24.5
5	HQDM	1	0	2330	2368	2353	2353			24.5
5	HQDM	1	12	2346	2353	2353	2353			24.5
5	HQDM	1	24	2338	2382	2354	2354			24.5
5	HQDM	12	0	2234	2230	2221	2221			23.5
5	HQDM	12	6	2220	2226	2220	2220			23.5
5	HQDM	12	12	2220	2227	2213	2213			23.5
5	HQDM	24	0	2220	2220	2224	2224			23.5
5	HQDM	1	0	2213	2208	2235	2235			23.5
5	HQDM	1	12	2227	2239	2225	2225			23.5
5	HQDM	1	24	2192	2223	2222	2222			23.5
5	HQDM	12	0	2124	2125	2108	2108			22.5
5	HQDM	12	6	2112	2132	2111	2111			22.5
5	HQDM	12	12	2118	2119	2120	2120			22.5
5	HQDM	24	0	2132	2118	2119	2119			22.5
5	SSBQAM	1	0	1920	1936	1920	1920			20.5
5	SSBQAM	1	12	1931	1930	1926	1926			20.5
5	SSBQAM	1	24	1925	1932	1924	1924			20.5
5	SSBQAM	12	0	1934	1945	1934	1934			20.5
5	SSBQAM	12	6	1933	1940	1938	1938			20.5
5	SSBQAM	12	12	1927	1934	1928	1928			20.5
5	SSBQAM	24	0	1929	1938	1922	1922			20.5



Band 7_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up (min)				
				Low	Mid	High					
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Time-up (min)				
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	20.67	21.00	21.16	21.1				
	QPSK	1	49	20.57	20.73	20.97					
	QPSK	1	99	20.82	20.88	20.74					
20	QPSK	50	0	20.72	20.66	20.85	21.1				
	QPSK	50	24	20.73	20.86	20.97					
	QPSK	50	50	20.67	20.72	20.68					
20	QPSK	100	0	20.71	20.78	21.08	21.1				
	HQAM	1	0	20.69	20.42	20.80					
	HQAM	1	49	20.68	20.58	20.99					
20	HQAM	1	99	20.67	20.32	20.82	21.1				
	HQAM	50	0	20.73	20.77	20.71					
	HQAM	50	24	20.73	20.75	20.76					
20	HQAM	50	50	20.74	20.59	20.67	21.1				
	HQAM	100	0	20.73	20.52	20.83					
	HQAM	1	0	20.61	21.04	20.80					
20	HQAM	1	49	20.57	20.34	21.07	21.1				
	HQAM	1	99	20.94	21.02	21.06					
	HQAM	50	0	21.03	21.01	21.08					
20	HQAM	50	24	21.04	21.05	21.04	21.1				
	HQAM	50	50	21.08	21.00	21.05					
	HQAM	100	0	21.08	21.02	20.99					
20	SSBQAM	1	0	19.29	19.19	19.21	20.5				
	SSBQAM	1	49	19.15	19.30	19.07					
	SSBQAM	1	99	19.03	19.03	19.04					
20	SSBQAM	50	0	19.10	19.20	19.13	20.5				
	SSBQAM	50	24	19.25	19.48	19.27					
	SSBQAM	50	50	19.45	19.21	19.49					
20	SSBQAM	100	0	19.15	19.10	19.42	20.5				
	Channel				2070.5	2100.0		2131.5			
	Frequency (MHz)				2070.5	2030		2062.5			
15	QPSK	1	0	20.84	20.98	21.02	21.1				
	QPSK	1	39	20.81	20.73	20.86					
	QPSK	1	74	20.84	20.84	20.61					
15	QPSK	36	0	20.70	20.80	20.45	21.1				
	QPSK	36	20	20.85	20.78	20.87					
	QPSK	36	39	20.87	20.84	20.80					
15	QPSK	72	0	20.71	20.76	20.94	21.1				
	HQAM	1	0	20.61	20.28	20.73					
	HQAM	1	39	20.54	20.55	20.88					
15	HQAM	1	74	20.67	20.13	20.65	21.1				
	HQAM	36	0	20.59	20.75	20.64					
	HQAM	36	39	20.70	20.61	20.80					
15	HQAM	36	20	20.88	20.56	20.54	21.1				
	HQAM	72	0	20.84	20.46	20.55					
	HQAM	1	0	20.77	20.98	20.67					
15	HQAM	1	39	20.37	20.75	21.02	21.1				
	HQAM	1	74	20.84	21.02	20.88					
	HQAM	36	0	20.67	20.67	20.96					
15	HQAM	36	20	20.67	20.62	21.01	21.1				
	HQAM	36	39	20.59	20.91	20.98					
	HQAM	72	0	20.84	21.00	20.97					
15	SSBQAM	1	0	19.27	19.18	19.09	20.5				
	SSBQAM	1	39	19.08	19.16	19.38					
	SSBQAM	1	74	19.05	19.04	19.04					
15	SSBQAM	36	0	19.30	19.09	19.05	20.5				
	SSBQAM	36	20	19.23	19.38	19.09					
	SSBQAM	36	39	19.34	19.09	19.34					
15	SSBQAM	72	0	19.30	19.34	19.31	20.5				
	Channel				2090.0	2100.0		2100.0			
	Frequency (MHz)				2090.0	2060		2060.0			
10	QPSK	1	0	20.30	20.82	21.01	21.1				
	QPSK	1	25	20.59	20.63	20.78					
	QPSK	1	49	20.84	20.82	20.57					
10	QPSK	25	0	20.71	20.86	20.57	21.1				
	QPSK	25	12	20.61	20.80	20.88					
	QPSK	25	25	20.61	20.52	20.52					
10	QPSK	50	0	20.67	20.63	20.95	21.1				
	HQAM	1	0	20.63	20.40	20.72					
	HQAM	1	24	20.48	20.38	20.97					
10	HQAM	1	49	20.80	20.30	20.78	21.1				
	HQAM	25	0	20.65	20.84	20.52					
	HQAM	25	12	20.73	20.63	20.64					
10	HQAM	25	25	20.68	20.50	20.58	21.1				
	HQAM	50	0	20.63	20.66	20.53					
	HQAM	1	0	20.62	20.87	20.64					
10	HQAM	1	25	20.53	20.82	21.04	21.1				
	HQAM	1	49	20.74	21.00	20.90					
	HQAM	25	0	20.98	20.82	21.01					
10	HQAM	25	12	20.67	20.98	20.92	21.1				
	HQAM	25	25	20.68	20.92	20.88					
	HQAM	50	0	20.59	21.02	20.95					
10	SSBQAM	1	0	19.24	19.12	19.07	20.5				
	SSBQAM	1	25	19.20	19.24	19.03					
	SSBQAM	1	49	19.89	19.67	19.92					
10	SSBQAM	25	0	19.68	19.17	19.90	20.5				
	SSBQAM	25	12	19.18	19.48	19.11					
	SSBQAM	25	25	19.38	19.21	19.44					
10	SSBQAM	50	0	19.11	19.05	19.08	20.5				
	Channel				2077.5	2100.0		2142.5			
	Frequency (MHz)				2077.5	2035		2077.5			
5	QPSK	1	0	20.72	20.84	20.84	21.1				
	QPSK	1	12	20.59	20.89	20.89					
	QPSK	1	24	20.74	20.72	20.73					
5	QPSK	12	0	20.66	20.84	20.85	21.1				
	QPSK	12	7	20.61	20.78	20.84					
	QPSK	12	13	20.52	20.65	20.61					
5	QPSK	24	0	20.70	20.68	21.01	21.1				
	HQAM	1	0	20.49	20.26	20.76					
	HQAM	1	12	20.63	20.45	20.81					
5	HQAM	1	24	20.32	20.28	20.75	21.1				
	HQAM	12	0	20.59	20.72	20.63					
	HQAM	12	7	20.63	20.65	20.67					
5	HQAM	12	13	20.89	20.39	20.54	21.1				
	HQAM	24	0	20.67	20.55	20.96					
	HQAM	1	0	20.78	20.00	20.73					
5	HQAM	1	12	20.48	20.84	21.01	21.1				
	HQAM	1	24	20.77	21.01	21.01					
	HQAM	12	0	20.94	20.92	20.99					
5	HQAM	12	7	20.65	21.02	20.85	21.1				
	HQAM	12	13	20.67	20.66	21.02					
	HQAM	24	0	21.00	20.94	20.84					
5	SSBQAM	1	0	19.24	19.06	19.07	20.5				
	SSBQAM	1	12	19.07	19.18	19.06					
	SSBQAM	1	24	19.31	19.30	19.68					
5	SSBQAM	12	0	19.04	19.03	19.00	20.5				
	SSBQAM	12	7	19.34	19.46	19.12					
	SSBQAM	12	13	19.44	19.20	19.29					
5	SSBQAM	24	0	19.06	19.06	19.37	20.5				



Band 25_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Mean	Power Ch1/Freq	Power Ch2/Freq	Time-up (min)
Channel									
Frequency (MHz)									
20	QPSK	1	0	2147	2150	2148	2148	2148	22
20	QPSK	1	49	2146	2143	2144	2141	2141	
20	QPSK	1	99	2143	2146	2144	2142	2142	22
20	QPSK	50	0	2134	2133	2133	2133	2133	
20	QPSK	50	24	2133	2121	2123	2123	2123	22
20	QPSK	50	50	2125	2129	2131	2131	2131	
20	QPSK	100	0	2128	2128	2128	2128	2128	22
20	HQDM	1	0	2137	2124	2126	2126	2126	
20	HQDM	1	49	2136	2137	2136	2136	2136	22
20	HQDM	1	99	2140	2128	2128	2128	2128	
20	HQDM	50	0	2134	2130	2132	2132	2132	22
20	HQDM	50	24	2133	2135	2131	2131	2131	
20	HQDM	100	0	2135	2138	2136	2136	2136	22
20	HQDM	1	0	2138	2101	2119	2119	2119	
20	HQDM	1	49	2135	2137	2136	2136	2136	22
20	HQDM	1	99	2123	2138	2138	2138	2138	
20	HQDM	50	0	2133	2123	2128	2128	2128	21.5
20	HQDM	50	24	2122	2121	2122	2122	2122	
20	HQDM	50	50	2124	2113	2125	2125	2125	21.5
20	HQDM	100	0	2111	2109	2110	2110	2110	
20	SSBQAM	1	0	1936	1888	1893	1893	1893	20.5
20	SSBQAM	1	49	1892	1872	1886	1886	1886	
20	SSBQAM	17	0	1836	1817	1826	1826	1826	20.5
20	SSBQAM	50	0	1925	1909	1899	1899	1899	
20	SSBQAM	50	24	1897	1811	1862	1862	1862	20.5
20	SSBQAM	50	50	1920	1918	1919	1919	1919	
20	SSBQAM	100	0	1889	1888	1899	1899	1899	20.5
Channel									
Frequency (MHz)									
15	QPSK	1	0	2144	2150	2144	2143	2143	22
15	QPSK	1	39	2138	2134	2136	2136	2136	
15	QPSK	1	74	2140	2133	2140	2140	2140	22
15	QPSK	36	0	2109	2121	2107	2107	2107	
15	QPSK	36	20	2121	2118	2114	2114	2114	22
15	QPSK	36	39	2109	2113	2113	2113	2113	
15	QPSK	72	0	2120	2120	2119	2119	2119	22
15	HQDM	1	0	2117	2113	2117	2117	2117	
15	HQDM	1	39	2139	2125	2132	2132	2132	22
15	HQDM	1	74	2127	2117	2122	2122	2122	
15	HQDM	36	0	2130	2111	2134	2134	2134	22
15	HQDM	36	20	2133	2124	2135	2135	2135	
15	HQDM	36	39	2115	2119	2129	2129	2129	22
15	HQDM	72	0	2117	2123	2116	2116	2116	
15	HQDM	1	0	2122	2108	2112	2112	2112	22
15	HQDM	1	39	2125	2120	2120	2120	2120	
15	HQDM	1	74	2119	2116	2098	2098	2098	21.5
15	HQDM	36	0	2094	2109	2093	2093	2093	
15	HQDM	36	20	2102	2107	2110	2110	2110	21.5
15	HQDM	36	39	2114	2093	2101	2101	2101	
15	HQDM	72	0	2101	2100	2100	2100	2100	20.5
15	SSBQAM	1	0	1891	1873	1879	1879	1879	
15	SSBQAM	1	39	1869	1814	1888	1888	1888	20.5
15	SSBQAM	1	74	1875	1850	1850	1850	1850	
15	SSBQAM	36	0	1889	1900	1893	1893	1893	20.5
15	SSBQAM	36	20	1899	1913	1873	1873	1873	
15	SSBQAM	72	0	1836	1830	1837	1837	1837	20.5
Channel									
Frequency (MHz)									
10	QPSK	1	0	2142	2145	2145	2145	2145	22
10	QPSK	1	20	2138	2139	2138	2138	2138	
10	QPSK	1	49	2142	2135	2138	2138	2138	22
10	QPSK	20	0	2121	2119	2106	2106	2106	
10	QPSK	20	10	2112	2109	2110	2110	2110	22
10	QPSK	20	20	2118	2111	2112	2112	2112	
10	QPSK	60	0	2118	2128	2122	2122	2122	22
10	HQDM	1	0	2126	2113	2126	2126	2126	
10	HQDM	1	20	2120	2120	2119	2119	2119	22
10	HQDM	1	49	2139	2109	2116	2116	2116	
10	HQDM	20	0	2114	2114	2134	2134	2134	22
10	HQDM	20	10	2119	2139	2118	2118	2118	
10	HQDM	20	20	2114	2124	2129	2129	2129	22
10	HQDM	50	0	2133	2125	2100	2100	2100	
10	HQDM	1	0	2118	2107	2116	2116	2116	22
10	HQDM	1	20	2134	2120	2124	2124	2124	
10	HQDM	1	49	2105	2132	2105	2105	2105	21.5
10	HQDM	20	0	2100	2118	2085	2085	2085	
10	HQDM	20	10	2122	2103	2115	2115	2115	21.5
10	HQDM	20	20	2119	2098	2087	2087	2087	
10	HQDM	50	0	2103	2090	2108	2108	2108	20.5
10	SSBQAM	1	0	1879	1879	1879	1879	1879	
10	SSBQAM	1	20	1870	1815	1879	1879	1879	20.5
10	SSBQAM	1	49	1875	1914	1900	1900	1900	
10	SSBQAM	20	0	1895	1893	1895	1895	1895	20.5
10	SSBQAM	20	10	1877	1850	1901	1901	1901	
10	SSBQAM	20	20	1887	1913	1883	1883	1883	20.5
10	SSBQAM	50	0	1836	1834	1835	1835	1835	
Channel									
Frequency (MHz)									
5	QPSK	1	0	2142	2148	2145	2145	2145	22
5	QPSK	1	10	2146	2138	2141	2141	2141	
5	QPSK	1	20	2130	2138	2140	2140	2140	22
5	QPSK	10	0	2105	2103	2103	2103	2103	
5	QPSK	10	5	2112	2106	2103	2103	2103	22
5	QPSK	10	10	2107	2117	2114	2114	2114	
5	QPSK	20	0	2104	2104	2108	2108	2108	22
5	HQDM	1	0	2120	2118	2119	2119	2119	
5	HQDM	1	10	2128	2117	2119	2119	2119	22
5	HQDM	1	20	2140	2117	2109	2109	2109	
5	HQDM	10	0	2134	2113	2117	2117	2117	22
5	HQDM	10	10	2134	2104	2106	2106	2106	
5	HQDM	10	20	2131	2127	2111	2111	2111	22
5	HQDM	20	0	2133	2128	2110	2110	2110	
5	HQDM	1	0	2119	2099	2108	2108	2108	22
5	HQDM	1	10	2117	2131	2128	2128	2128	
5	HQDM	1	20	2123	2129	2092	2092	2092	21.5
5	HQDM	10	0	2097	2116	2094	2094	2094	
5	HQDM	10	10	2107	2118	2112	2112	2112	21.5
5	HQDM	10	20	2111	2100	2097	2097	2097	
5	SSBQAM	1	0	1899	1878	1877	1877	1877	20.5
5	SSBQAM	1	10	1872	1895	1876	1876	1876	
5	SSBQAM	1	20	1834	1909	1886	1886	1886	20.5
5	SSBQAM	10	0	1898	1907	1871	1871	1871	
5	SSBQAM	10	10	1895	1901	1883	1883	1883	20.5
5	SSBQAM	10	20	1891	1915	1886	1886	1886	
5	SSBQAM	20	0	1872	1886	1896	1896	1896	20.5
Channel									
Frequency (MHz)									
3	QPSK	1	0	2134	2143	2144	2144	2144	22
3	QPSK	1	6	2130	2125	2141	2141	2141	
3	QPSK	1	10	2138	2127	2127	2127	2127	22
3	QPSK	8	0	2108	2119	2100	2100	2100	
3	QPSK	8	4	2104	2108	2109	2109	2109	22
3	QPSK	8	7	2107	2119	2114	2114	2114	
3	QPSK	16	0	2108	2111	2125	2125	2125	22
3	HQDM	1	0	2134	2108	2108	2108	2108	
3	HQDM	1	6	2138	2118	2123	2123	2123	22
3	HQDM	1	10	2138	2116	2114	2114	2114	
3	HQDM	8	0	2125	2126	2134	2134	2134	22
3	HQDM	8	4	2117	2133	2138	2138	2138	
3	HQDM	8	8	2115	2120	2123	2123	2123	22
3	HQDM	16	0	2118	2130	2107	2107	2107	
3	HQDM	1	0	2126	2094	2105	2105	2105	22
3	HQDM	1	6	2105	2108	2108	2108	2108	
3	HQDM	1	10	2111	2126	2103	2103	2103	21



Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power High Ch. F (MHz)	Time-up (sec)	
Channel							
Frequency (MHz)				2110			
10	QPSK	1	0	2100		21.8	
10	QPSK	1	26	2127			
10	QPSK	1	49	2158			
10	QPSK	26	0	2132		21.8	
10	QPSK	26	12	2128			
10	QPSK	26	25	2123			
10	QPSK	50	0	2138		21.8	
10	QPSK	50	12	2130			
10	QPSK	50	25	2125			
10	HQDM	1	0	2100		21.8	
10	HQDM	1	26	2144			
10	HQDM	1	49	2155			
10	HQDM	26	0	2132		21.8	
10	HQDM	26	12	2128			
10	HQDM	26	25	2123			
10	HQDM	50	0	2138		21.8	
10	HQDM	50	12	2130			
10	HQDM	50	25	2125			
10	HQDM	1	0	2100		21.8	
10	HQDM	1	26	2149			
10	HQDM	1	49	2149			
10	HQDM	26	0	2097		21.8	
10	HQDM	26	12	2106			
10	HQDM	26	25	2098			
10	HQDM	50	0	2103		20.5	
10	HQDM	50	12	2094			
10	HQDM	50	25	2088			
10	SSBQAM	1	0	1934		20.5	
10	SSBQAM	1	26	1934			
10	SSBQAM	1	49	1936			
10	SSBQAM	26	0	1940		20.5	
10	SSBQAM	26	12	1940			
10	SSBQAM	26	25	1938			
10	SSBQAM	50	0	1922		20.5	
10	SSBQAM	50	12	1922			
10	SSBQAM	50	25	1922			
Channel				2180.5	2210	2210.5	
Frequency (MHz)				2077.5	210	232.5	
5	QPSK	1	0	2155	2150	2147	21.8
5	QPSK	1	18	2110	2106	2111	
5	QPSK	1	24	2133	2135	2132	
5	QPSK	12	0	2127	2122	2126	21.8
5	QPSK	12	6	2130	2133	2127	
5	QPSK	12	18	2148	2104	2185	
5	QPSK	26	0	2130	2133	2127	21.8
5	HQDM	1	0	2092	2095	2091	
5	HQDM	1	12	2141	2127	2126	
5	HQDM	1	26	2119	2112	2111	21.8
5	HQDM	12	0	2124	2119	2120	
5	HQDM	12	6	2120	2110	2118	
5	HQDM	12	18	2144	2102	2115	21.8
5	HQDM	26	0	2119	2108	2113	
5	HQDM	1	0	2127	2119	2128	
5	HQDM	1	18	2096	2101	2100	21.8
5	HQDM	1	24	2131	2149	2149	
5	HQDM	12	0	2095	2077	2091	
5	HQDM	12	6	2090	2100	2099	21.8
5	HQDM	12	18	2081	2080	2079	
5	HQDM	26	0	2088	2085	2086	
5	SSBQAM	1	0	1930	1916	1914	20.5
5	SSBQAM	1	12	1926	1929	1929	
5	SSBQAM	1	26	1925	1924	1924	
5	SSBQAM	12	0	1930	1925	1930	20.5
5	SSBQAM	12	6	1931	1934	1928	
5	SSBQAM	12	18	1932	1934	1932	
5	SSBQAM	26	0	1930	1910	1922	20.5
5	SSBQAM	26	6	1930	1910	1922	
5	SSBQAM	26	12	1930	1910	1922	



Band 66_Ant 2										
RB (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Normal Ch./Freq	Power High Ch./Freq	Time-up Intvl (sec)			
Channel										
				1728	1746	1770				
20	QPSK	1	0	21.08	21.07	21.01	21.7			
20	QPSK	1	48	21.12	21.10	21.14				
20	QPSK	1	96	21.08	21.06	21.14				
20	QPSK	50	24	21.21	21.12	21.12	21.7			
20	QPSK	50	50	21.23	21.25	21.28				
20	QPSK	100	0	21.08	21.10	21.20				
20	16QAM	1	0	21.28	21.23	21.22	21.7			
20	16QAM	1	48	21.24	21.26	21.28				
20	16QAM	1	96	21.28	20.93	21.27				
20	16QAM	50	0	21.08	21.10	21.23	21.7			
20	16QAM	50	24	21.22	21.19	21.28				
20	16QAM	50	50	21.27	21.21	21.28				
20	16QAM	100	0	21.07	21.19	21.21	21.7			
20	16QAM	1	48	21.23	21.21	21.23				
20	16QAM	1	96	21.24	20.92	21.17				
20	16QAM	1	96	21.21	21.24	21.00	21.7			
20	16QAM	50	0	21.20	21.24	21.08				
20	16QAM	50	24	21.23	21.18	21.21				
20	16QAM	50	50	21.25	21.26	21.24	21.7			
20	16QAM	100	0	21.11	21.20	21.14				
20	256QAM	1	0	18.79	18.12	18.15		20.5		
20	256QAM	1	48	18.78	18.05	18.98				
20	256QAM	1	96	18.13	18.35	18.21				
20	256QAM	50	0	18.12	18.28	18.84	20.5			
20	256QAM	50	24	18.88	18.28	18.23				
20	256QAM	50	50	18.93	18.29	18.95				
20	256QAM	100	0	18.88	18.28	18.84	20.5			
Channel										
				1773.6	1746	1772.6				
15	QPSK	1	0	20.82	20.81	21.01	21.7			
15	QPSK	1	37	21.04	21.03	21.38				
15	QPSK	1	74	20.97	21.02	21.10				
15	QPSK	38	0	20.98	21.10	20.87	21.7			
15	QPSK	38	24	21.01	20.90	21.01				
15	QPSK	38	50	21.04	21.08	21.19				
15	QPSK	75	0	21.05	21.10	21.10	21.7			
15	16QAM	1	0	21.21	21.18	21.18				
15	16QAM	1	37	21.11	21.26	21.09				
15	16QAM	1	74	21.15	20.92	21.01	21.7			
15	16QAM	38	0	20.88	20.86	21.12				
15	16QAM	38	20	21.20	21.01	21.18				
15	16QAM	38	38	21.18	21.21	21.23	21.7			
15	16QAM	75	0	20.98	21.11	21.03				
15	16QAM	1	0	21.09	21.12	21.18				
15	16QAM	1	37	20.85	20.81	20.91	21.7			
15	16QAM	1	74	21.07	21.14	20.90				
15	16QAM	38	0	21.17	21.08	20.84				
15	16QAM	38	20	21.02	21.13	21.05	21.7			
15	16QAM	38	39	21.10	21.08	21.09				
15	16QAM	75	0	20.86	21.13	21.05				
15	256QAM	1	0	18.75	18.88	18.98	20.5			
15	256QAM	1	37	18.07	18.92	18.88				
15	256QAM	1	74	18.98	18.12	18.15				
15	256QAM	38	0	18.93	18.95	18.75	20.5			
15	256QAM	38	20	18.75	18.90	18.16				
15	256QAM	38	38	18.88	18.25	18.81				
15	256QAM	75	0	18.79	18.18	18.75	20.5			
Channel										
				1809.2	1802	1806.2				
10	QPSK	1	0	20.98	20.95	20.83	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	20.86	21.7			
10	QPSK	25	12	21.18	20.93	21.12				
10	QPSK	25	24	21.07	21.05	21.07				
10	QPSK	50	0	20.92	20.99	21.09	21.7			
10	16QAM	1	0	21.31	21.17	21.08				
10	16QAM	1	24	21.21	21.22	21.10				
10	16QAM	1	48	21.38	20.78	21.17	21.7			
10	16QAM	25	0	20.98	20.88	21.00				
10	16QAM	25	12	21.27	21.15	21.11				
10	16QAM	25	25	21.20	21.23	21.24	21.7			
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	20.87	21.01	21.7			
10	16QAM	1	48	21.07	21.09	20.98				
10	16QAM	25	0	21.08	21.19	21.02				
10	16QAM	25	12	21.06	20.98	21.12	21.7			
10	16QAM	25	25	21.21	21.14	21.11				
10	16QAM	50	0	21.08	21.12	20.98				
10	256QAM	1	0	18.88	18.92	18.92	20.5			
10	256QAM	1	48	18.08	18.16	18.69				
10	256QAM	25	0	18.98	18.23	18.76				
10	256QAM	25	12	18.77	18.15	18.63	20.5			
10	256QAM	25	25	18.78	18.15	18.83				
10	256QAM	50	0	18.81	18.07	18.81				
Channel										
				1809.8	1802	1806.8				
5	QPSK	1	0	20.88	21.03	21.03	21.7			
5	QPSK	1	12	21.08	21.08	21.13				
5	QPSK	1	24	20.98	20.90	21.14				
5	QPSK	12	0	20.94	21.03	20.97	21.7			
5	QPSK	12	7	21.02	21.09	21.07				
5	QPSK	12	13	21.12	21.18	21.10				
5	QPSK	25	0	21.02	21.12	21.00	21.7			
5	16QAM	1	0	21.21	21.20	21.15				
5	16QAM	1	12	21.22	21.24	21.27				
5	16QAM	1	24	21.11	20.73	21.26	21.7			
5	16QAM	12	0	20.88	20.87	21.11				
5	16QAM	12	7	21.03	21.14	21.28				
5	16QAM	12	13	21.13	21.07	21.24	21.7			
5	16QAM	25	0	20.91	21.13	21.01				
5	16QAM	1	48	21.02	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	21.7			
5	16QAM	12	13	21.08	21.20	21.09				
5	16QAM	25	0	21.02	21.10	21.00				
5	256QAM	1	0	18.83	18.99	18.91	20.5			
5	256QAM	1	12	18.93	18.88	18.98				
5	256QAM	1	24	18.93	18.21	18.90				
5	256QAM	12	0	18.98	18.13	18.80	20.5			
5	256QAM	12	7	18.80	18.23	18.20				
5	256QAM	12	13	18.77	18.23	18.81				
5	256QAM	25	0	18.87	18.15	18.77	20.5			
Channel										
				1810.2	1802	1806.2				
3	QPSK	1	0	21.01	21.02	21.00	21.7			
3	QPSK	1	8	20.99	21.09	21.21				
3	QPSK	1	14	20.92	20.92	20.99				
3	QPSK	8	0	21.10	21.05	20.82	21.7			
3	QPSK	8	4	21.13	21.10	20.94				
3	QPSK	8	7	21.00	21.09	21.10				
3	QPSK	15	0	20.98	21.18	21.14	21.7			
3	16QAM	1	0	21.13	21.19	21.17				
3	16QAM	1	8	21.19	21.21	21.15				
3	16QAM	1	14	21.14	20.73	21.20	21.7			
3	16QAM	8	0	20.98	21.12	21.18				
3	16QAM	8	4	21.26	21.08	21.26				
3	16QAM	8	7	21.12	21.00	21.28	21.7			
3	16QAM	15	0	20.83	21.19	21.02				
3	16QAM	1	0	21.21	21.14	21.00				
3	16QAM	1	8	20.98	20.80	21.00	21.7			
3	16QAM	1	14	21.14	21.12	20.94				
3	16QAM	8	0	21.18	21.20	21.02				
3	16QAM	8	4	21.21	21.02	21.02	21.7			
3	16QAM	8	7	21.18	21.19	21.24				
3	16QAM	15	0	21.03	21.14	20.98				
3	256QAM	1	0	18.72	18.01	18.95	20.5			
3	256QAM	1	8	18.18	18.93	18.80				
3	256QAM	1	14	18.98	18.25	18.15				
3	256QAM	8	0	18.08	18.11	18.88	20.5			
3	256QAM	8	4	18.75	18.27	18.11				
3	256QAM	8	7	18.93	18.10	18.78				
3	256QAM									



Band 7_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Time-up	Limit		
				Low	High	Low	High				
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 1 Freq.	Ch. 2 Freq.				
Frequency (MHz)				2510	2510	2510	2510				
20	QPSK	1	0	20.67	20.67	20.67	20.67	22.3			
	QPSK	1	49	20.67	20.73	20.67	20.73				
	QPSK	1	99	20.62	20.68	20.74	20.74				
20	QPSK	50	24	20.73	20.86	20.97	20.97	22.3			
	QPSK	50	50	20.67	20.73	20.68	20.68				
	QPSK	100	0	20.71	20.78	21.08	21.08				
20	HQDM	1	0	20.69	20.42	20.80	20.80	22.3			
	HQDM	1	49	20.68	20.58	20.99	20.99				
	HQDM	1	99	20.67	20.52	20.82	20.82				
20	HQDM	50	24	20.73	20.77	20.71	20.71	22.3			
	HQDM	50	50	20.73	20.75	20.75	20.75				
	HQDM	100	0	20.74	20.59	20.67	20.67				
20	HQDM	1	0	20.73	20.52	20.83	20.83	22.3			
	HQDM	1	49	20.57	20.34	21.07	21.07				
	HQDM	1	99	20.94	21.02	21.06	21.06				
20	HQDM	50	24	21.03	21.01	21.08	21.08	22.3			
	HQDM	50	50	21.04	21.05	21.04	21.04				
	HQDM	100	0	21.08	21.00	21.05	21.05				
20	SSBQAM	1	0	19.29	19.19	19.21	19.21	20.5			
	SSBQAM	1	49	19.15	19.30	19.07	19.07				
	SSBQAM	1	99	19.03	19.03	19.04	19.04				
20	SSBQAM	50	24	19.10	19.20	19.13	19.13	20.5			
	SSBQAM	50	50	19.25	19.48	19.27	19.27				
	SSBQAM	100	0	19.45	19.21	19.40	19.40				
20	SSBQAM	100	0	19.15	19.10	19.42	19.42	20.5			
	Channel				2070.5	2100	2115			2115	Time-up Limit
	Frequency (MHz)				2070.5	2030	2062.5			2062.5	
15	QPSK	1	0	20.84	20.98	21.02	21.02	22.3			
	QPSK	1	39	20.81	20.73	20.86	20.86				
	QPSK	1	74	20.84	20.84	20.61	20.61				
15	QPSK	36	0	20.70	20.60	20.45	20.45	22.3			
	QPSK	36	20	20.85	20.78	20.87	20.87				
	QPSK	36	39	20.87	20.84	20.80	20.80				
15	QPSK	72	0	20.71	20.75	20.94	20.94	22.3			
	HQDM	1	0	20.51	20.48	20.73	20.73				
	HQDM	1	37	20.54	20.55	20.88	20.88				
15	HQDM	1	74	20.67	20.53	20.65	20.65	22.3			
	HQDM	36	0	20.59	20.75	20.64	20.64				
	HQDM	36	39	20.70	20.61	20.80	20.80				
15	HQDM	36	39	20.68	20.54	20.54	20.54	22.3			
	HQDM	72	0	20.54	20.46	20.55	20.55				
	HQDM	1	0	20.77	20.88	20.67	20.67				
15	HQDM	1	0	20.37	20.75	21.02	21.02	22.3			
	HQDM	1	74	20.84	21.02	20.88	20.88				
	HQDM	36	0	20.67	20.67	20.96	20.96				
15	HQDM	36	20	20.67	20.62	21.01	21.01	22.3			
	HQDM	36	39	20.59	20.91	20.98	20.98				
	HQDM	72	0	20.84	21.00	20.97	20.97				
15	SSBQAM	1	0	19.27	19.18	19.09	19.09	20.5			
	SSBQAM	1	37	19.08	19.16	19.38	19.38				
	SSBQAM	1	74	19.05	19.05	19.04	19.04				
15	SSBQAM	36	20	19.23	19.38	19.09	19.09	20.5			
	SSBQAM	36	39	19.34	19.09	19.34	19.34				
	SSBQAM	72	0	19.30	19.34	19.31	19.31				
15	SSBQAM	100	0	19.30	19.00	19.00	19.00	Time-up Limit			
	Channel				2060	2100	2100			2100	
	Frequency (MHz)				2060	2060	2065			2065	
10	QPSK	1	0	20.30	20.82	21.01	21.01	22.3			
	QPSK	1	25	20.59	20.63	20.78	20.78				
	QPSK	1	49	20.64	20.62	20.57	20.57				
10	QPSK	25	0	20.71	20.86	20.67	20.67	22.3			
	QPSK	25	13	20.61	20.80	20.86	20.86				
	QPSK	25	26	20.61	20.82	20.82	20.82				
10	QPSK	50	0	20.67	20.63	20.95	20.95	22.3			
	HQDM	1	0	20.63	20.40	20.72	20.72				
	HQDM	1	24	20.48	20.38	20.97	20.97				
10	HQDM	1	49	20.80	20.30	20.78	20.78	22.3			
	HQDM	25	0	20.65	20.64	20.52	20.52				
	HQDM	25	13	20.73	20.63	20.64	20.64				
10	HQDM	25	26	20.68	20.50	20.58	20.58	22.3			
	HQDM	50	0	20.63	20.66	20.53	20.53				
	HQDM	1	0	20.65	20.87	20.64	20.64				
10	HQDM	1	25	20.53	20.82	21.04	21.04	22.3			
	HQDM	1	49	20.74	21.00	20.90	20.90				
	HQDM	25	0	20.98	20.82	21.01	21.01				
10	HQDM	25	13	20.67	20.68	20.92	20.92	22.3			
	HQDM	25	26	20.68	20.92	20.88	20.88				
	HQDM	50	0	20.59	21.02	20.95	20.95				
10	SSBQAM	1	0	19.24	19.12	19.07	19.07	20.5			
	SSBQAM	1	25	19.20	19.24	19.03	19.03				
	SSBQAM	1	49	19.89	19.67	19.92	19.92				
10	SSBQAM	25	0	19.68	19.17	19.90	19.90	20.5			
	SSBQAM	25	13	19.18	19.48	19.11	19.11				
	SSBQAM	25	26	19.38	19.21	19.44	19.44				
10	SSBQAM	50	0	19.11	19.05	19.08	19.08	20.5			
	Channel				2075	2100	2105			2105	
	Frequency (MHz)				2075	2035	2075			2075	
5	QPSK	1	0	20.72	20.84	20.84	20.84	22.3			
	QPSK	1	13	20.59	20.89	20.89	20.89				
	QPSK	1	26	20.74	20.72	20.73	20.73				
5	QPSK	13	0	20.66	20.84	20.85	20.85	22.3			
	QPSK	13	7	20.61	20.78	20.84	20.84				
	QPSK	13	13	20.52	20.65	20.61	20.61				
5	QPSK	26	0	20.70	20.68	21.01	21.01	22.3			
	HQDM	1	0	20.49	20.36	20.76	20.76				
	HQDM	1	13	20.63	20.45	20.81	20.81				
5	HQDM	1	26	20.52	20.38	20.75	20.75	22.3			
	HQDM	13	0	20.59	20.72	20.63	20.63				
	HQDM	13	7	20.63	20.65	20.67	20.67				
5	HQDM	13	13	20.69	20.39	20.54	20.54	22.3			
	HQDM	26	0	20.67	20.55	20.96	20.96				
	HQDM	1	0	20.78	20.90	20.73	20.73				
5	HQDM	1	13	20.48	20.84	21.01	21.01	22.3			
	HQDM	1	26	20.77	21.01	21.01	21.01				
	HQDM	13	0	20.94	20.92	20.99	20.99				
5	HQDM	13	7	20.65	21.02	20.85	20.85	22.3			
	HQDM	13	13	20.67	20.66	21.02	21.02				
	HQDM	26	0	21.00	20.94	20.84	20.84				
5	SSBQAM	1	0	19.24	19.05	19.07	19.07	20.5			
	SSBQAM	1	13	19.07	19.18	19.06	19.06				
	SSBQAM	1	26	19.31	19.30	19.68	19.68				
5	SSBQAM	13	0	19.04	19.03	19.00	19.00	20.5			
	SSBQAM	13	7	19.34	19.46	19.12	19.12				
	SSBQAM	13	13	19.44	19.20	19.29	19.29				
5	SSBQAM	26	0	19.06	19.06	19.37	19.37	20.5			



Band 25_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Mean	Power Ch1/Freq	Power Ch2/Freq	Power Ch3/Freq	Time-up (min)
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.21	22.41	22.31	22.31	22.31	22.31	23.2
20	QPSK	1	49	21.31	22.12	21.71	22.12	22.12	22.12	
20	QPSK	1	99	22.13	22.38	22.25	22.38	22.38	22.38	
20	QPSK	50	0	22.04	21.97	21.98	22.04	21.97	21.98	23.2
20	QPSK	50	24	22.01	22.07	21.99	22.07	22.07	22.07	
20	QPSK	50	50	22.05	22.09	22.04	22.09	22.09	22.09	
20	QPSK	100	0	21.98	22.02	21.99	22.02	22.02	22.02	23.2
20	HQDM	1	0	21.95	22.43	22.19	22.43	22.43	22.43	
20	HQDM	1	49	22.14	21.99	22.10	21.99	22.10	22.10	
20	HQDM	1	99	22.45	22.19	22.31	22.19	22.31	22.31	23.2
20	HQDM	50	0	22.04	22.02	21.95	22.02	22.02	22.02	
20	HQDM	50	24	21.95	22.05	21.97	22.05	22.05	22.05	
20	HQDM	100	0	22.03	22.04	21.97	22.04	21.97	21.97	23.2
20	HQDM	100	0	21.95	21.99	21.97	21.99	21.97	21.97	
20	HQDM	1	0	22.04	21.85	21.91	21.85	21.91	21.91	
20	HQDM	1	49	21.67	21.69	22.08	21.69	22.08	22.08	23.2
20	HQDM	1	99	22.07	21.89	21.53	21.89	21.53	21.53	
20	HQDM	50	0	20.98	20.98	21.00	20.98	21.00	21.00	
20	HQDM	50	24	20.94	20.94	20.89	20.94	20.89	20.89	23.2
20	HQDM	50	50	20.88	20.90	20.93	20.90	20.93	20.93	
20	HQDM	100	0	20.93	21.01	20.97	21.01	20.97	20.97	
20	SRQDM	1	0	19.98	18.88	18.93	19.98	18.88	18.93	20.5
20	SRQDM	1	49	18.82	18.72	18.96	18.72	18.96	18.96	
20	SRQDM	1	99	18.86	19.17	19.08	19.17	19.08	19.08	
20	SRQDM	50	0	19.95	19.09	18.90	19.09	18.90	18.90	20.5
20	SRQDM	50	24	18.87	18.91	18.92	18.91	18.92	18.92	
20	SRQDM	50	50	19.00	19.18	19.11	19.18	19.11	19.11	
20	SRQDM	100	0	18.89	18.98	18.99	18.89	18.98	18.99	20.5
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.14	22.37	22.55	22.14	22.37	22.55	23.2
15	QPSK	1	39	21.81	22.07	22.16	21.81	22.07	22.16	
15	QPSK	1	74	22.11	22.34	22.01	22.11	22.34	22.01	
15	QPSK	36	0	21.98	21.92	21.89	21.98	21.92	21.89	23.2
15	QPSK	36	20	21.97	22.03	21.95	21.97	22.03	21.95	
15	QPSK	36	39	22.01	22.05	22.03	22.01	22.05	22.03	
15	QPSK	72	0	21.95	21.98	21.99	21.95	21.98	21.99	23.2
15	HQDM	1	0	21.97	22.39	21.98	21.97	22.39	21.98	
15	HQDM	1	37	22.13	21.95	22.08	21.95	22.08	22.08	
15	HQDM	1	74	22.41	22.12	21.98	22.12	22.12	21.98	23.2
15	HQDM	36	0	21.97	21.93	21.86	21.97	21.93	21.86	
15	HQDM	36	20	21.88	21.98	21.98	21.88	21.98	21.98	
15	HQDM	36	39	22.01	21.96	21.97	22.01	21.96	21.97	23.2
15	HQDM	72	0	21.90	21.89	21.92	21.90	21.89	21.92	
15	HQDM	1	0	22.01	21.84	21.89	22.01	21.84	21.89	
15	HQDM	1	39	21.93	21.98	22.02	21.93	21.98	22.02	23.2
15	HQDM	1	74	22.02	21.80	21.48	22.02	21.80	21.48	
15	HQDM	36	0	20.81	20.86	20.98	20.81	20.86	20.98	
15	HQDM	36	20	20.93	20.99	20.97	20.93	20.99	20.97	23.2
15	HQDM	36	39	20.94	20.95	20.92	20.94	20.95	20.92	
15	HQDM	72	0	20.81	21.01	20.91	20.81	21.01	20.91	
15	SRQDM	1	0	19.94	18.83	18.85	19.94	18.83	18.85	20.5
15	SRQDM	1	37	18.78	19.13	18.94	18.78	19.13	18.94	
15	SRQDM	1	74	18.75	19.04	18.87	18.75	19.04	18.87	
15	SRQDM	36	0	19.95	19.04	18.87	19.95	19.04	18.87	20.5
15	SRQDM	36	20	18.98	19.08	18.88	18.98	19.08	18.88	
15	SRQDM	36	39	18.99	19.13	18.94	18.99	19.13	18.94	
15	SRQDM	72	0	18.86	18.91	18.90	18.86	18.91	18.90	20.5
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.13	22.31	22.48	22.13	22.31	22.48	23.2
10	QPSK	1	25	21.91	22.04	22.23	21.91	22.04	22.23	
10	QPSK	1	49	22.13	22.31	21.98	22.13	22.31	21.98	
10	QPSK	25	0	21.88	21.96	21.89	21.88	21.96	21.89	23.2
10	QPSK	25	12	22.01	22.05	21.99	22.01	22.05	21.99	
10	QPSK	25	25	22.01	22.09	22.00	22.01	22.09	22.00	
10	QPSK	50	0	21.89	21.97	21.95	21.89	21.97	21.95	23.2
10	HQDM	1	0	21.88	22.38	21.88	21.88	22.38	21.88	
10	HQDM	1	24	22.14	21.98	22.03	21.98	22.03	22.03	
10	HQDM	1	49	22.37	22.10	21.83	22.10	21.83	21.83	23.2
10	HQDM	25	0	21.98	21.92	21.87	21.98	21.92	21.87	
10	HQDM	25	12	21.91	22.03	21.98	21.91	22.03	21.98	
10	HQDM	25	25	21.99	21.98	21.94	21.99	21.98	21.94	23.2
10	HQDM	50	0	21.88	21.93	21.80	21.88	21.93	21.80	
10	HQDM	1	0	22.03	21.83	21.96	22.03	21.83	21.96	
10	HQDM	1	25	21.84	21.80	22.07	21.84	21.80	22.07	23.2
10	HQDM	1	49	21.99	21.86	21.44	21.99	21.86	21.44	
10	HQDM	25	0	20.87	20.88	20.90	20.87	20.88	20.90	
10	HQDM	25	12	20.85	20.90	20.83	20.85	20.90	20.83	23.2
10	HQDM	25	25	20.94	20.97	20.90	20.94	20.97	20.90	
10	HQDM	50	0	20.93	20.91	20.97	20.93	20.91	20.97	
10	SRQDM	1	0	19.93	18.90	18.94	19.93	18.90	18.94	20.5
10	SRQDM	1	25	18.75	19.15	18.97	18.75	19.15	18.97	
10	SRQDM	1	49	18.88	19.17	19.01	18.88	19.17	19.01	
10	SRQDM	25	0	18.96	19.08	18.85	18.96	19.08	18.85	20.5
10	SRQDM	25	12	18.87	19.09	18.98	18.87	19.09	18.98	
10	SRQDM	25	25	18.93	19.15	18.86	18.93	19.15	18.86	
10	SRQDM	50	0	18.84	18.91	18.94	18.84	18.91	18.94	20.5
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.12	22.40	22.48	22.12	22.40	22.48	23.2
5	QPSK	1	12	21.86	22.09	22.19	21.86	22.09	22.19	
5	QPSK	1	24	22.11	22.28	21.94	22.11	22.28	21.94	
5	QPSK	12	0	21.98	21.99	21.94	21.98	21.99	21.94	23.2
5	QPSK	12	7	21.97	21.99	21.93	21.97	21.99	21.93	
5	QPSK	12	13	22.02	22.07	21.98	22.02	22.07	21.98	
5	QPSK	24	0	21.92	22.09	21.95	21.92	22.09	21.95	23.2
5	HQDM	1	0	21.94	22.35	22.00	21.94	22.35	22.00	
5	HQDM	1	21	22.11	21.96	22.01	22.11	21.96	22.01	
5	HQDM	1	24	22.40	22.11	21.88	22.40	22.11	21.88	23.2
5	HQDM	12	0	21.94	22.02	21.94	21.94	22.02	21.94	
5	HQDM	12	7	21.98	22.05	21.97	21.98	22.05	21.97	
5	HQDM	12	13	22.01	22.02	21.96	22.01	22.02	21.96	23.2
5	HQDM	24	0	21.89	21.90	21.78	21.89	21.90	21.78	
5	HQDM	1	0	22.04	21.82	21.97	22.04	21.82	21.97	
5	HQDM	1	12	21.88	21.85	21.88	21.88	21.85	21.88	23.2
5	HQDM	1	24	22.01	21.81	21.48	22.01	21.81	21.48	
5	HQDM	12	0	20.90	20.90	20.94	20.90	20.90	20.94	
5	HQDM	12	7	20.90	20.92	20.92	20.90	20.92	20.92	23.2
5	HQDM	12	13	20.91	20.94	20.91	20.91	20.94	20.91	
5	HQDM	24	0	20.78	20.92	20.96	20.78	20.92	20.96	
5	SRQDM	1	0	19.92	18.88	18.94	19.92	18.88	18.94	20.5
5	SRQDM	1	12	18.73	19.16	18.98	18.73	19.16	18.98	
5	SRQDM	1	24	18.74	19.17	19.06	18.74	19.17	19.06	
5	SRQDM	12	0	18.98	18.99	18.87	18.98	18.99	18.87	20.5
5	SRQDM	12	7							





Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power High Ch. F.Freq	Time-up limit (min)	
Channel							
Frequency (MHz)				2110			
10	QPSK	1	0	2100		23	
10	QPSK	1	26	2127			
10	QPSK	1	49	2158			
10	QPSK	25	0	2132		23	
10	QPSK	25	12	2128			
10	QPSK	25	25	2123			
10	QPSK	50	0	2138		23	
10	QPSK	50	6	2130			
10	QPSK	50	12	2125			
10	16QAM	1	0	2130		23	
10	16QAM	1	26	2144			
10	16QAM	1	49	2155			
10	16QAM	25	0	2135		23	
10	16QAM	25	12	2127			
10	16QAM	25	25	2115			
10	16QAM	50	0	2124		23	
10	16QAM	50	6	2136			
10	16QAM	50	12	2133			
10	64QAM	1	0	2149		22.5	
10	64QAM	1	26	2157			
10	64QAM	1	49	2168			
10	64QAM	25	0	2138		20	
10	64QAM	25	12	2136			
10	64QAM	25	25	2133			
10	64QAM	50	0	2133		20	
10	64QAM	50	6	2134			
10	64QAM	50	12	2138			
10	256QAM	1	0	1934		20	
10	256QAM	1	26	1934			
10	256QAM	1	49	1936			
10	256QAM	25	0	1940		20	
10	256QAM	25	12	1940			
10	256QAM	25	25	1938			
10	256QAM	50	0	1922		20	
10	256QAM	50	6	1922			
10	256QAM	50	12	1922			
Channel				2180.5	2211.5	2232.5	
Frequency (MHz)				2077.5	2110	2122.5	
5	QPSK	1	0	2155	2150	2147	23
5	QPSK	1	18	2130	2130	2131	
5	QPSK	1	24	2133	2135	2132	
5	QPSK	12	0	2127	2122	2126	23
5	QPSK	12	18	2118	2104	2105	
5	QPSK	12	18	2130	2133	2127	
5	16QAM	1	0	2102	2105	2103	23
5	16QAM	1	18	2141	2127	2126	
5	16QAM	1	24	2119	2112	2111	
5	16QAM	12	0	2124	2119	2120	23
5	16QAM	12	7	2120	2110	2118	
5	16QAM	12	18	2114	2105	2115	
5	16QAM	25	0	2119	2108	2113	23
5	16QAM	1	0	2127	2119	2128	
5	16QAM	1	18	2126	2101	2100	
5	64QAM	1	24	2131	2149	2149	22.5
5	64QAM	12	0	2036	2077	2031	
5	64QAM	12	7	2030	2100	2039	
5	64QAM	12	18	2031	2080	2079	20
5	64QAM	25	0	2038	2055	2056	
5	64QAM	1	0	1930	1916	1914	
5	256QAM	1	18	1926	1929	1929	20
5	256QAM	1	24	1925	1924	1924	
5	256QAM	12	0	1930	1925	1925	
5	256QAM	12	7	1931	1934	1928	20
5	256QAM	12	18	1932	1934	1932	
5	256QAM	25	0	1930	1910	1922	



Band 66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power High Ch. Freq	Power Low Ch. Freq	Power High Ch. Freq	Time-up (min)	Time-down (min)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.22	22.47	22.22	22.47	23.8	
20	QPSK	4	48	22.41	22.49	22.41	22.49		
20	QPSK	1	56	22.12	22.42	22.12	22.42		
20	QPSK	56	0	22.08	22.07	22.07	22.07		
20	QPSK	56	24	22.15	22.20	22.10	22.10	23.8	
20	QPSK	56	56	22.17	22.22	22.22	22.24		
20	QPSK	160	0	22.15	22.09	22.15	22.15		
20	HQDM	1	0	22.17	22.23	22.23	22.33	23.8	
20	HQDM	1	48	22.21	22.26	22.13	22.13		
20	HQDM	1	64	21.68	22.09	21.68	21.68		
20	HQDM	56	0	22.09	21.92	22.04	22.04		
20	HQDM	56	24	22.04	22.11	22.06	22.06	23.5	
20	HQDM	56	56	22.20	22.07	22.15	22.15		
20	HQDM	160	0	22.28	22.00	22.08	22.08		
20	HQDM	1	0	22.13	22.15	21.90	21.90		
20	HQDM	1	48	22.10	22.26	22.18	22.18	23.5	
20	HQDM	1	56	22.28	22.08	22.42	22.42		
20	HQDM	56	0	21.84	21.98	20.81	20.81		
20	HQDM	56	24	21.13	21.69	21.65	21.65	22.5	
20	HQDM	56	56	21.09	21.05	21.08	21.08		
20	HQDM	160	0	20.95	20.99	21.00	21.00		
20	SRQDM	1	0	18.79	18.12	18.15	18.15	20.5	
20	SRQDM	1	48	18.18	18.05	18.06	18.06		
20	SRQDM	56	0	18.13	18.35	18.21	18.21		
20	SRQDM	56	0	18.12	18.28	18.94	18.94		
20	SRQDM	56	24	18.25	18.25	18.25	18.25	20.5	
20	SRQDM	56	56	18.33	18.23	18.55	18.55		
20	SRQDM	160	0	18.98	18.28	18.94	18.94		
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.25	22.43	22.16	22.16	23.8	
15	QPSK	1	36	22.23	22.28	22.34	22.34		
15	QPSK	1	74	21.38	22.35	22.27	22.27		
15	QPSK	36	0	21.98	21.87	22.00	22.00		
15	QPSK	36	20	21.98	22.18	22.15	22.15	23.8	
15	QPSK	36	38	22.17	22.07	22.14	22.14		
15	QPSK	72	0	22.03	22.03	22.18	22.18		
15	HQDM	1	0	22.08	22.08	22.20	22.20	23.8	
15	HQDM	1	37	22.49	22.28	22.05	22.05		
15	HQDM	1	74	21.63	21.68	21.68	21.68		
15	HQDM	36	0	21.92	21.94	21.87	21.87		
15	HQDM	36	20	21.97	22.08	21.89	21.89	23.5	
15	HQDM	36	38	22.20	21.94	22.04	22.04		
15	HQDM	72	0	21.55	21.51	22.04	22.04		
15	HQDM	1	0	21.98	22.09	21.85	21.85	23.5	
15	HQDM	1	35	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	21.01	20.77	20.77	22.5	
15	HQDM	36	20	21.10	20.93	20.93	20.93		
15	HQDM	36	38	20.98	21.00	20.89	20.89		
15	HQDM	72	0	20.81	20.83	21.00	21.00		
15	SRQDM	1	0	18.74	18.68	18.10	18.10	20.5	
15	SRQDM	1	37	18.07	18.88	18.93	18.93		
15	SRQDM	1	74	18.29	18.15	18.15	18.15		
15	SRQDM	36	0	18.35	18.24	18.04	18.04	20.5	
15	SRQDM	36	20	18.88	18.14	18.12	18.12		
15	SRQDM	36	38	18.81	18.23	18.15	18.15		
15	SRQDM	72	0	18.31	18.16	18.74	18.74		
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.14	22.37	22.11	22.11	23.8	
10	QPSK	1	20	22.31	22.47	22.48	22.48		
10	QPSK	1	48	22.08	22.18	22.34	22.34		
10	QPSK	20	0	22.05	22.05	22.07	22.07		
10	QPSK	20	12	22.15	22.15	22.00	22.00	23.8	
10	QPSK	20	24	22.13	22.21	22.22	22.22		
10	QPSK	60	0	22.10	22.03	22.14	22.14		
10	HQDM	1	0	22.16	22.21	22.20	22.20	23.8	
10	HQDM	1	24	22.47	22.32	22.13	22.13		
10	HQDM	1	48	21.90	22.07	21.90	21.90		
10	HQDM	20	0	22.03	21.94	21.94	21.94	23.5	
10	HQDM	20	12	22.01	22.11	21.98	21.98		
10	HQDM	20	24	22.17	21.98	22.12	22.12		
10	HQDM	56	0	22.05	21.98	22.05	22.05		
10	HQDM	1	0	22.10	22.10	21.85	21.85	23.5	
10	HQDM	1	20	22.11	22.18	22.15	22.15		
10	HQDM	1	48	22.28	22.01	22.35	22.35		
10	HQDM	20	0	21.03	21.05	20.82	20.82	22.5	
10	HQDM	20	12	21.05	21.08	21.00	21.00		
10	HQDM	20	24	21.02	21.02	21.03	21.03		
10	HQDM	56	0	20.87	20.93	20.93	20.93	20.5	
10	SRQDM	1	0	18.28	18.04	18.08	18.08		
10	SRQDM	1	20	18.08	18.04	18.08	18.08		
10	SRQDM	1	48	18.07	18.25	18.11	18.11		
10	SRQDM	20	0	18.08	18.17	18.84	18.84	20.5	
10	SRQDM	20	12	18.28	18.18	18.18	18.18		
10	SRQDM	20	24	18.83	18.25	18.93	18.93		
10	SRQDM	56	0	18.00	18.18	18.92	18.92		
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	22.40	22.40		
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	23.8	
5	HQDM	1	21	22.31	22.28	22.06	22.06		
5	HQDM	1	24	21.93	22.00	21.94	21.94		
5	HQDM	12	0	22.01	21.89	22.00	22.00	23.5	
5	HQDM	12	7	22.00	22.15	22.00	22.00		
5	HQDM	12	13	22.20	22.02	22.12	22.12		
5	HQDM	24	0	22.05	21.99	22.01	22.01		
5	HQDM	1	0	22.03	22.12	21.98	21.98	23.5	
5	HQDM	1	12	22.08	22.17	22.10	22.10		
5	HQDM	1	24	22.27	21.95	22.32	22.32		
5	HQDM	12	0	20.90	21.02	20.86	20.86	22.5	
5	HQDM	12	7	21.03	21.03	21.03	21.03		
5	HQDM	12	13	21.07	21.01	21.02	21.02		
5	HQDM	24	0	20.35	20.94	20.97	20.97	20.5	
5	SRQDM	1	0	18.89	18.09	18.12	18.12		
5	SRQDM	1	12	18.13	18.04	18.87	18.87	20.5	
5	SRQDM	1	24	18.09	18.28	18.18	18.18		
5	SRQDM	12	0	18.11	18.16	18.85	18.85		
5	SRQDM	12	7	18.88	18.22	18.91	18.91	20.5	
5	SRQDM	12	13	18.84	18.25	18.94	18.94		
5	SRQDM	24	0	18.87	18.24	18.94	18.94		
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.12	22.37	22.12	22.12	23.8	
3	QPSK	1	6	22.28	22.38	22.48	22.48		
3	QPSK	1	14	22.09	22.39	22.30	22.30		
3	QPSK	6	0	22.02	22.00	22.03	22.03	23.8	
3	QPSK	6	4	22.05	22.18	22.07	22.07		
3	QPSK	6	7	22.11	22.13	22.19	22.19		
3	QPSK	10	0	22.12	22.07	22.17	22.17		
3	HQDM	1	0	22.07	22.17	22.28	22.28	23.8	
3	HQDM	1	8	22.48	22.33	22.11	22.11		
3	HQDM	1	14	21.90	21.96	21.90	21.90		
3	HQDM	6	0	21.58	21.90	21.94	21.94		
3	HQDM	6	4	21.98	22.11	22.00	22.00	23.5	
3	HQDM	6	9	22.12	21.98	22.14	22.14		
3	HQDM	10	0	21.89	21.96	22.82	22.82		
3	HQDM	1	0	22.10	22.08	21.87	21.87		



Band 7_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up (min)				
				Low	Mid	High					
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Time-up (min)				
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	2067	2100	2116	21.1				
	QPSK	1	49	2037	2073	2097					
	QPSK	1	99	2002	2038	2074					
20	QPSK	50	0	2072	2086	2095	21.1				
	QPSK	50	24	2073	2086	2097					
	QPSK	50	50	2077	2072	2088					
20	QPSK	100	0	2071	2078	2108	21.1				
	HQDM	1	0	2059	2042	2080					
	HQDM	1	49	2088	2058	2099					
20	HQDM	1	99	2097	2032	2082	21.1				
	HQDM	50	0	2073	2077	2071					
	HQDM	50	24	2073	2075	2076					
20	HQDM	50	50	2074	2059	2087	21.1				
	HQDM	100	0	2073	2052	2083					
	HQDM	1	0	2061	2104	2085					
20	HQDM	1	49	2057	2034	2107	21.1				
	HQDM	1	99	2034	2102	2106					
	HQDM	50	0	2103	2101	2108					
20	HQDM	50	24	2104	2105	2104	21.1				
	HQDM	50	50	2108	2100	2105					
	HQDM	100	0	2108	2102	2099					
20	SSBQAM	1	0	1929	1919	1921	20.5				
	SSBQAM	1	49	1915	1930	1907					
	SSBQAM	1	99	1933	1933	1934					
20	SSBQAM	50	0	1910	1920	1913	20.5				
	SSBQAM	50	24	1925	1948	1927					
	SSBQAM	50	50	1945	1921	1949					
20	SSBQAM	100	0	1915	1910	1942	20.5				
	Channel				2075	2100		2115	Time-up (min)		
	Frequency (MHz)				2075.5	2035		2082.5			
15	QPSK	1	0	2034	2098	2102	21.1				
	QPSK	1	39	2031	2072	2086					
	QPSK	1	74	2034	2034	2081					
15	QPSK	36	0	2070	2080	2045	21.1				
	QPSK	36	20	2036	2078	2087					
	QPSK	36	39	2037	2084	2080					
15	QPSK	72	0	2071	2076	2094	21.1				
	HQDM	1	0	2051	2048	2073					
	HQDM	1	37	2054	2055	2088					
15	HQDM	1	74	2057	2053	2085	21.1				
	HQDM	36	0	2059	2075	2084					
	HQDM	36	39	2070	2051	2080					
15	HQDM	36	39	2038	2054	2084	21.1				
	HQDM	72	0	2034	2046	2055					
	HQDM	1	0	2077	2088	2087					
15	HQDM	1	37	2037	2075	2102	21.1				
	HQDM	1	74	2034	2102	2088					
	HQDM	36	0	2027	2087	2096					
15	HQDM	36	20	2037	2092	2101	21.1				
	HQDM	36	39	2039	2091	2098					
	HQDM	72	0	2034	2100	2097					
15	SSBQAM	1	0	1927	1918	1929	20.5				
	SSBQAM	1	37	1928	1916	1938					
	SSBQAM	1	74	1925	1934	1934					
15	SSBQAM	36	0	1930	1929	1935	20.5				
	SSBQAM	36	20	1923	1938	1909					
	SSBQAM	36	39	1934	1909	1934					
15	SSBQAM	72	0	1935	1934	1931	20.5				
	Channel				2060	2100		2100	Time-up (min)		
	Frequency (MHz)				2060	2060		2060			
10	QPSK	1	0	2030	2082	2101	21.1				
	QPSK	1	25	2059	2083	2078					
	QPSK	1	49	2034	2082	2087					
10	QPSK	25	0	2071	2086	2057	21.1				
	QPSK	25	12	2081	2080	2086					
	QPSK	25	25	2081	2082	2082					
10	QPSK	50	0	2067	2083	2085	21.1				
	HQDM	1	0	2063	2040	2072					
	HQDM	1	24	2048	2038	2097					
10	HQDM	1	49	2080	2030	2078	21.1				
	HQDM	25	0	2065	2084	2082					
	HQDM	25	12	2073	2083	2084					
10	HQDM	25	25	2088	2050	2088	21.1				
	HQDM	50	0	2063	2086	2083					
	HQDM	1	0	2082	2087	2084					
10	HQDM	1	25	2053	2082	2104	21.1				
	HQDM	1	49	2074	2100	2090					
	HQDM	25	0	2098	2082	2101					
10	HQDM	25	12	2097	2088	2092	21.1				
	HQDM	25	25	2086	2092	2088					
	HQDM	50	0	2059	2102	2085					
10	SSBQAM	1	0	1924	1912	1924	20.5				
	SSBQAM	1	49	1889	1887	1892					
	SSBQAM	25	0	1886	1917	1890					
10	SSBQAM	25	12	1918	1948	1911	20.5				
	SSBQAM	25	25	1938	1921	1944					
	SSBQAM	50	0	1911	1905	1938					
Channel				2075	2100	2105	Time-up (min)				
Frequency (MHz)				2075	2035	2075					
5	QPSK	1	0	2072	2084	2084	21.1				
	QPSK	1	12	2059	2089	2089					
	QPSK	1	24	2074	2072	2073					
5	QPSK	12	0	2056	2084	2085	21.1				
	QPSK	12	7	2081	2078	2084					
	QPSK	12	13	2052	2085	2081					
5	QPSK	24	0	2070	2088	2101	21.1				
	HQDM	1	0	2049	2036	2076					
	HQDM	1	21	2063	2045	2081					
5	HQDM	1	24	2032	2038	2075	21.1				
	HQDM	12	0	2059	2072	2083					
	HQDM	12	12	2089	2039	2084					
5	HQDM	25	0	2067	2055	2086	21.1				
	HQDM	1	0	2078	2080	2073					
	HQDM	1	12	2048	2084	2101					
5	HQDM	1	25	2077	2101	2101	21.1				
	HQDM	12	0	2094	2092	2099					
	HQDM	12	7	2085	2102	2085					
5	HQDM	12	12	2087	2086	2102	21.1				
	HQDM	25	0	2100	2084	2084					
	SSBQAM	1	0	1924	1906	1907					
5	SSBQAM	1	21	1887	1918	1896	20.5				
	SSBQAM	1	24	1931	1930	1888					
	SSBQAM	12	0	1904	1903	1900					
5	SSBQAM	12	7	1934	1948	1912	20.5				
	SSBQAM	12	12	1944	1920	1929					
	SSBQAM	25	0	1906	1896	1937					



Band 25_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Mean	Power Ch1 Freq	Power Ch2 Freq	Power Ch3 Freq	Time-up (min)
Channel										
Frequency (MHz)										
20	QPSK	1	0	2221	2241	2231	1890	1890	1905	23.2
20	QPSK	1	48	2131	2212	2172	2212	2224	2224	
20	QPSK	1	96	2213	2238	2225	2238	2201	2201	
20	QPSK	50	24	2204	2207	2205	2204	2199	2199	23.2
20	QPSK	50	70	2205	2209	2207	2209	2204	2204	
20	QPSK	100	0	2198	2200	2199	2198	2202	2202	
20	HQDM	1	0	2195	2243	2219	2243	2234	2234	23.2
20	HQDM	1	48	2214	2199	2206	2199	2210	2210	
20	HQDM	1	96	2245	2219	2232	2219	2191	2191	
20	HQDM	50	0	2204	2202	2203	2204	2195	2195	23.2
20	HQDM	50	24	2195	2205	2199	2205	2202	2202	
20	HQDM	50	48	2203	2204	2204	2204	2197	2197	
20	HQDM	100	0	2195	2199	2197	2195	2197	2197	23.2
20	HQDM	100	0	2204	2195	2195	2204	2191	2191	
20	HQDM	100	48	2197	2199	2208	2199	2208	2208	
20	HQDM	100	96	2207	2189	2193	2207	2193	2193	23.2
20	HQDM	50	0	2098	2098	2098	2098	2100	2100	
20	HQDM	50	24	2094	2094	2099	2094	2099	2099	
20	HQDM	50	48	2098	2099	2099	2098	2099	2099	23.2
20	HQDM	100	0	2093	2101	2097	2093	2097	2097	
20	HQDM	100	48	2098	2098	2098	2098	2098	2098	
20	SRQDM	1	0	1908	1888	1898	1888	1893	1893	20.5
20	SRQDM	1	48	1892	1892	1892	1892	1896	1896	
20	SRQDM	1	96	1886	1917	1896	1886	1908	1908	
20	SRQDM	50	0	1905	1909	1899	1905	1890	1890	20.5
20	SRQDM	50	24	1897	1911	1900	1897	1905	1905	
20	SRQDM	50	48	1900	1918	1891	1900	1891	1891	
20	SRQDM	100	0	1889	1898	1899	1889	1899	1899	20.5
Channel										
Frequency (MHz)										
15	QPSK	1	0	2214	2237	2225	1897.5	1897.5	1927.5	23.2
15	QPSK	1	36	2131	2207	2169	1927.5	1927.5	1927.5	
15	QPSK	1	72	2211	2234	2222	1927.5	1927.5	1927.5	
15	QPSK	36	0	2198	2192	2195	1927.5	1927.5	1927.5	23.2
15	QPSK	36	36	2201	2205	2203	1927.5	1927.5	1927.5	
15	QPSK	36	72	2195	2198	2196	1927.5	1927.5	1927.5	
15	HQDM	1	0	2197	2239	2218	1927.5	1927.5	1927.5	23.2
15	HQDM	1	36	2213	2192	2202	1927.5	1927.5	1927.5	
15	HQDM	1	72	2241	2212	2226	1927.5	1927.5	1927.5	
15	HQDM	36	0	2197	2193	2195	1927.5	1927.5	1927.5	23.2
15	HQDM	36	36	2198	2198	2198	1927.5	1927.5	1927.5	
15	HQDM	36	72	2201	2184	2192	1927.5	1927.5	1927.5	
15	HQDM	100	0	2199	2199	2199	1927.5	1927.5	1927.5	23.2
15	HQDM	100	36	2202	2180	2194	1927.5	1927.5	1927.5	
15	HQDM	100	72	2202	2180	2194	1927.5	1927.5	1927.5	
15	HQDM	36	0	2091	2098	2094	1927.5	1927.5	1927.5	23.2
15	HQDM	36	36	2093	2098	2095	1927.5	1927.5	1927.5	
15	HQDM	36	72	2094	2095	2092	1927.5	1927.5	1927.5	
15	HQDM	72	0	2091	2101	2095	1927.5	1927.5	1927.5	23.2
15	SRQDM	1	0	1904	1883	1893	1927.5	1927.5	1927.5	
15	SRQDM	1	36	1878	1913	1894	1927.5	1927.5	1927.5	
15	SRQDM	1	72	1905	1904	1897	1927.5	1927.5	1927.5	20.5
15	SRQDM	36	0	1896	1908	1898	1927.5	1927.5	1927.5	
15	SRQDM	36	36	1899	1913	1894	1927.5	1927.5	1927.5	
15	SRQDM	36	72	1898	1908	1898	1927.5	1927.5	1927.5	20.5
15	SRQDM	72	0	1896	1913	1894	1927.5	1927.5	1927.5	
15	SRQDM	72	36	1898	1911	1899	1927.5	1927.5	1927.5	
Channel										
Frequency (MHz)										
10	QPSK	1	0	2213	2231	2224	2060	2060	2060	23.2
10	QPSK	1	24	2191	2204	2197	2060	2060	2060	
10	QPSK	1	48	2213	2231	2222	2060	2060	2060	
10	QPSK	24	0	2188	2196	2192	2060	2060	2060	23.2
10	QPSK	24	12	2201	2205	2203	2060	2060	2060	
10	QPSK	24	24	2202	2209	2205	2060	2060	2060	
10	HQDM	1	0	2189	2197	2193	2060	2060	2060	23.2
10	HQDM	1	12	2195	2195	2195	2060	2060	2060	
10	HQDM	1	24	2214	2198	2206	2060	2060	2060	
10	HQDM	1	48	2237	2210	2223	2060	2060	2060	23.2
10	HQDM	24	0	2198	2192	2195	2060	2060	2060	
10	HQDM	24	12	2191	2203	2197	2060	2060	2060	
10	HQDM	24	24	2199	2198	2194	2060	2060	2060	23.2
10	HQDM	50	0	2198	2193	2195	2060	2060	2060	
10	HQDM	50	12	2203	2183	2196	2060	2060	2060	
10	HQDM	1	0	2184	2180	2207	2060	2060	2060	23.2
10	HQDM	1	24	2199	2190	2178	2060	2060	2060	
10	HQDM	1	48	2199	2198	2194	2060	2060	2060	
10	HQDM	24	0	2204	2182	2197	2060	2060	2060	23.2
10	HQDM	24	12	2198	2185	2188	2060	2060	2060	
10	HQDM	24	24	2201	2181	2194	2060	2060	2060	
10	HQDM	50	0	2090	2090	2094	2060	2060	2060	23.2
10	HQDM	50	12	2090	2092	2092	2060	2060	2060	
10	HQDM	50	24	2090	2092	2092	2060	2060	2060	
10	SRQDM	1	0	1902	1898	1894	2060	2060	2060	20.5
10	SRQDM	1	12	1893	1916	1898	2060	2060	2060	
10	SRQDM	1	24	1894	1917	1897	2060	2060	2060	
10	SRQDM	12	0	1898	1899	1897	2060	2060	2060	20.5
10	SRQDM	12	12	1897	1902	1897	2060	2060	2060	
10	SRQDM	12	24	1897	1909	1898	2060	2060	2060	
10	SRQDM	24	0	1893	1915	1896	2060	2060	2060	20.5
10	SRQDM	24	12	1894	1911	1894	2060	2060	2060	
10	SRQDM	24	24	1898	1906	1896	2060	2060	2060	
Channel										
Frequency (MHz)										
5	QPSK	1	0	2212	2240	2224	1897.5	1897.5	1927.5	23.2
5	QPSK	1	12	2186	2206	2195	1927.5	1927.5	1927.5	
5	QPSK	1	24	2211	2228	2219	1927.5	1927.5	1927.5	
5	QPSK	12	0	2198	2199	2194	1927.5	1927.5	1927.5	23.2
5	QPSK	12	6	2197	2199	2193	1927.5	1927.5	1927.5	
5	QPSK	12	12	2202	2207	2204	1927.5	1927.5	1927.5	
5	HQDM	1	0	2192	2209	2195	1927.5	1927.5	1927.5	23.2
5	HQDM	1	6	2194	2235	2200	1927.5	1927.5	1927.5	
5	HQDM	1	12	2211	2196	2201	1927.5	1927.5	1927.5	
5	HQDM	12	0	2240	2211	2188	1927.5	1927.5	1927.5	23.2
5	HQDM	12	6	2194	2202	2194	1927.5	1927.5	1927.5	
5	HQDM	12	12	2198	2205	2197	1927.5	1927.5	1927.5	
5	HQDM	24	0	2189	2190	2178	1927.5	1927.5	1927.5	23.2
5	HQDM	24	6	2204	2182	2197	1927.5	1927.5	1927.5	
5	HQDM	24	12	2198	2185	2188	1927.5	1927.5	1927.5	
5	HQDM	12	0	2091	2181	2194	1927.5	1927.5	1927.5	23.2
5	HQDM	12	12	2090	2090	2094	1927.5	1927.5	1927.5	
5	HQDM	12	24	2090	2092	2092	1927.5	1927.5	1927.5	
5	HQDM	12	12	2090	2094	2094	1927.5	1927.5	1927.5	20.5
5	SRQDM	1	0	1902	1898	1894	1927.5	1927.5	1927.5	
5	SRQDM	1	12	1893	1916	1898	1927.5	1927.5	1927.5	
5	SRQDM	1	24	1894	1917	1897	1927.5	1927.5	1927.5	20.5
5	SRQDM	12	0	1898	1899	1897	1927.5	1927.5	1927.5	
5	SRQDM	12	12	1897	1902	1897	1927.5	1927.5	1927.5	
5	SRQDM	12	24	1897	1909	1898	1927.5			



Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power High Ch. F.Freq	Time-up (sec)	
Channel							
Frequency (MHz)				2110			
10	QPSK	1	0	2100		21.8	
10	QPSK	1	26	2127			
10	QPSK	1	49	2158			
10	QPSK	25	0	2132		21.8	
10	QPSK	25	12	2128			
10	QPSK	25	25	2123			
10	QPSK	50	0	2138		21.8	
10	HQDM	1	0	2100			
10	HQDM	1	25	2144			
10	HQDM	1	49	2155		21.8	
10	HQDM	25	0	2132			
10	HQDM	25	12	2128			
10	HQDM	25	25	2123		21.8	
10	HQDM	50	0	2138			
10	HQDM	50	0	2124			
10	HQDM	1	0	2106		21.8	
10	HQDM	1	25	2153			
10	HQDM	1	49	2149			
10	HQDM	25	0	2097		21.8	
10	HQDM	25	12	2106			
10	HQDM	25	25	2088			
10	HQDM	50	0	2103		20.5	
10	SSBQAM	1	0	1934			
10	SSBQAM	1	25	1934			
10	SSBQAM	1	49	1936		20.5	
10	SSBQAM	25	0	1940			
10	SSBQAM	25	12	1940			
10	SSBQAM	25	25	1938		20.5	
10	SSBQAM	50	0	1922			
Channel				2180.5	2211.5		2232.5
Frequency (MHz)				2077.5	210	232.5	
5	QPSK	1	0	2155	2150	2147	21.8
5	QPSK	1	18	2110	2106	2113	
5	QPSK	1	24	2133	2135	2132	
5	QPSK	12	0	2127	2122	2126	21.8
5	QPSK	12	18	2118	2104	2105	
5	QPSK	25	0	2130	2133	2127	
5	HQDM	1	0	2102	2105	2103	21.8
5	HQDM	1	12	2141	2127	2126	
5	HQDM	1	24	2119	2112	2111	
5	HQDM	12	0	2124	2119	2120	21.8
5	HQDM	12	7	2120	2110	2118	
5	HQDM	12	18	2114	2102	2115	
5	HQDM	25	0	2119	2108	2113	21.8
5	HQDM	1	0	2127	2119	2128	
5	HQDM	1	18	2106	2101	2100	
5	HQDM	1	24	2131	2149	2149	21.8
5	HQDM	12	0	2095	2077	2081	
5	HQDM	12	7	2090	2100	2089	
5	HQDM	12	18	2081	2080	2079	21.8
5	HQDM	25	0	2088	2085	2086	
5	SSBQAM	1	0	1930	1916	1914	
5	SSBQAM	1	12	1926	1929	1929	20.5
5	SSBQAM	1	24	1925	1924	1924	
5	SSBQAM	12	0	1930	1925	1930	
5	SSBQAM	12	7	1931	1934	1928	20.5
5	SSBQAM	12	18	1932	1924	1932	
5	SSBQAM	25	0	1920	1910	1922	



Band 66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power High Ch. Freq	Power Mean Ch. Freq	Power High Ch. Freq	Time-up (sec)	Time-down (sec)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.02	22.47	22.24	22.24	23.8	
20	QPSK	1	49	22.41	22.49	22.52	22.52		
20	QPSK	1	99	22.12	22.42	22.38	22.38		
20	QPSK	1	149	22.08	22.07	22.07	22.07		
20	QPSK	50	24	22.15	22.20	22.10	22.10	23.8	
20	QPSK	50	70	22.17	22.22	22.24	22.24		
20	QPSK	100	0	22.15	22.09	22.12	22.12		
20	QPSK	100	49	22.17	22.23	22.33	22.33		
20	HQDM	1	0	22.01	22.06	22.03	22.03	23.8	
20	HQDM	1	49	22.21	22.26	22.13	22.13		
20	HQDM	1	99	21.98	22.09	21.98	21.98		
20	HQDM	1	149	22.09	21.92	22.04	22.04		
20	HQDM	50	24	22.04	22.07	22.05	22.05	23.5	
20	HQDM	50	70	22.04	22.07	22.05	22.05		
20	HQDM	100	0	22.04	22.07	22.05	22.05		
20	HQDM	100	49	22.04	22.07	22.05	22.05		
20	HQDM	1	0	22.10	22.20	22.15	22.15	23.5	
20	HQDM	1	49	22.10	22.20	22.15	22.15		
20	HQDM	1	99	22.28	22.08	22.42	22.42		
20	HQDM	1	149	22.04	22.08	22.01	22.01		
20	HQDM	50	24	21.13	21.09	21.65	21.65	22.5	
20	HQDM	50	70	21.09	21.05	21.08	21.08		
20	HQDM	100	0	21.05	21.09	21.05	21.05		
20	HQDM	100	49	21.09	21.12	21.15	21.15		
20	SSBQAM	1	0	18.79	18.12	18.95	18.95	20.5	
20	SSBQAM	1	49	18.18	18.05	18.36	18.36		
20	SSBQAM	1	99	18.13	18.35	18.21	18.21		
20	SSBQAM	1	149	18.12	18.26	18.94	18.94		
20	SSBQAM	50	24	18.27	18.25	18.26	18.26	20.5	
20	SSBQAM	50	70	18.25	18.25	18.25	18.25		
20	SSBQAM	50	119	18.25	18.23	18.55	18.55		
20	SSBQAM	50	169	18.23	18.23	18.55	18.55		
20	SSBQAM	100	0	18.96	18.28	18.94	18.94	20.5	
20	SSBQAM	100	49	18.28	18.28	18.94	18.94		
20	SSBQAM	100	99	18.28	18.28	18.94	18.94		
20	SSBQAM	100	149	18.28	18.28	18.94	18.94		
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.05	22.43	22.16	22.16	23.8	
15	QPSK	1	49	22.03	22.28	22.34	22.34		
15	QPSK	1	99	21.98	22.35	22.27	22.27		
15	QPSK	1	149	21.98	21.87	22.00	22.00		
15	QPSK	36	20	21.98	22.18	22.15	22.15	23.8	
15	QPSK	36	56	22.17	22.07	22.14	22.14		
15	QPSK	72	0	22.03	22.03	22.18	22.18		
15	QPSK	72	49	22.08	22.08	22.20	22.20		
15	HQDM	1	0	22.49	22.28	22.05	22.05	23.8	
15	HQDM	1	49	21.83	21.88	21.86	21.86		
15	HQDM	1	99	21.92	21.94	21.87	21.87		
15	HQDM	1	149	21.87	22.08	21.89	21.89		
15	HQDM	36	20	21.92	21.94	21.87	21.87	23.5	
15	HQDM	36	56	21.87	22.08	21.89	21.89		
15	HQDM	72	0	21.85	21.91	22.04	22.04		
15	HQDM	72	49	21.98	22.09	21.85	21.85		
15	HQDM	1	0	21.98	22.09	21.85	21.85	23.5	
15	HQDM	1	49	22.13	22.18	22.03	22.03		
15	HQDM	1	99	22.24	21.92	22.33	22.33		
15	HQDM	1	149	21.84	21.81	20.77	20.77		
15	HQDM	36	20	21.10	20.93	20.93	20.93	22.5	
15	HQDM	36	56	20.98	21.00	20.89	20.89		
15	HQDM	72	0	20.81	20.83	21.00	21.00		
15	HQDM	72	49	18.74	18.68	18.10	18.10		
15	SSBQAM	1	0	18.74	18.68	18.10	18.10	20.5	
15	SSBQAM	1	49	18.69	18.15	18.91	18.91		
15	SSBQAM	1	99	18.67	18.86	18.93	18.93		
15	SSBQAM	1	149	18.69	18.15	18.91	18.91		
15	SSBQAM	36	20	18.69	18.14	18.92	18.92	20.5	
15	SSBQAM	36	56	18.61	18.23	18.35	18.35		
15	SSBQAM	36	95	18.35	18.24	18.94	18.94		
15	SSBQAM	36	145	18.35	18.16	18.74	18.74		
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	22.18	22.34	22.34		
10	QPSK	1	74	21.98	22.35	22.27	22.27		
10	QPSK	36	0	22.08	22.35	22.27	22.27	23.8	
10	QPSK	36	36	22.17	22.07	22.14	22.14		
10	QPSK	72	0	22.03	22.03	22.18	22.18		
10	QPSK	72	49	22.08	22.08	22.20	22.20		
10	HQDM	1	0	22.49	22.28	22.05	22.05	23.8	
10	HQDM	1	49	21.83	21.88	21.86	21.86		
10	HQDM	1	99	21.92	21.94	21.87	21.87		
10	HQDM	1	149	21.87	22.08	21.89	21.89		
10	HQDM	36	20	21.92	21.94	21.87	21.87	23.5	
10	HQDM	36	56	21.87	22.08	21.89	21.89		
10	HQDM	72	0	21.85	21.91	22.04	22.04		
10	HQDM	72	49	21.98	22.09	21.85	21.85		
10	HQDM	1	0	21.98	22.09	21.85	21.85	23.5	
10	HQDM	1	49	22.13	22.18	22.03	22.03		
10	HQDM	1	99	22.24	21.92	22.33	22.33		
10	HQDM	1	149	21.84	21.81	20.77	20.77		
10	HQDM	36	20	21.10	20.93	20.93	20.93	22.5	
10	HQDM	36	56	20.98	21.00	20.89	20.89		
10	HQDM	72	0	20.81	20.83	21.00	21.00		
10	HQDM	72	49	18.74	18.68	18.10	18.10		
10	SSBQAM	1	0	18.74	18.68	18.10	18.10	20.5	
10	SSBQAM	1	49	18.69	18.15	18.91	18.91		
10	SSBQAM	1	99	18.67	18.86	18.93	18.93		
10	SSBQAM	1	149	18.69	18.15	18.91	18.91		
10	SSBQAM	36	20	18.69	18.14	18.92	18.92	20.5	
10	SSBQAM	36	56	18.61	18.23	18.35	18.35		
10	SSBQAM	36	95	18.35	18.24	18.94	18.94		
10	SSBQAM	36	145	18.35	18.16	18.74	18.74		
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.14	22.37	22.11	22.11	23.8	
5	QPSK	1	25	22.31	22.47	22.48	22.48		
5	QPSK	1	49	22.08	22.18	22.34	22.34		
5	QPSK	1	74	21.98	22.35	22.27	22.27		
5	QPSK	25	12	22.08	22.35	22.27	22.27	23.8	
5	QPSK	25	37	22.17	22.07	22.14	22.14		
5	QPSK	50	0	22.03	22.03	22.18	22.18		
5	QPSK	50	49	22.08	22.08	22.20	22.20		
5	HQDM	1	0	22.49	22.28	22.05	22.05	23.8	
5	HQDM	1	49	21.83	21.88	21.86	21.86		
5	HQDM	1	99	21.92	21.94	21.87	21.87		
5	HQDM	1	149	21.87	22.08	21.89	21.89		
5	HQDM	25	12	22.01	22.11	21.98	21.98	23.5	
5	HQDM	25	37	22.17	22.07	22.14	22.14		
5	HQDM	50	0	22.03	22.03	22.18	22.18		
5	HQDM	50	49	22.08	22.08	22.20	22.20		
5	HQDM	1	0	22.03	22.03	22.18	22.18	23.5	
5	HQDM	1	49	22.08	22.08	22.20	22.20		
5	HQDM	1	99	22.13	22.18	22.03	22.03		
5	HQDM	1	149	22.24	21.92	22.33	22.33		
5	HQDM	25	12	21.10	20.93	20.93	20.93	22.5	
5	HQDM	25	37	20.98	21.00	20.89	20.89		
5	HQDM	50	0	20.81	20.83	21.00	21.00		
5	HQDM	50	49	18.74	18.68	18.10	18.10		
5	SSBQAM	1	0	18.74	18.68	18.10	18.10	20.5	
5	SSBQAM	1	49	18.69	18.15	18.91	18.91		
5	SSBQAM	1	99	18.67	18.86	18.93	18.93		
5	SSBQAM	1	149	18.69	18.15	18.91	18.91		
5	SSBQAM	25	12	18.69	18.14	18.92	18.92	20.5	
5	SSBQAM	25	37	18.61	18.23	18.35	18.35		
5	SSBQAM	25	74	18.35	18.24	18.94	18.94		
5	SSBQAM	25	119	18.35	18.16	18.74	18.74		
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.14	22.37	22.11	22.11	23.8	
3	QPSK	1	6	22.32	22.48	22.43	22.43		
3	QPSK	1	12	22.07</					



Band 7_Ant 0										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Mean	Power High	Time-up [min]	Time-down [min]		
Channel				2500	2505	2500				
Frequency (MHz)				2510	2515	2510				
20	QPSK	1	0	22.28	22.53	22.56			24.1	
20	QPSK	1	48	22.26	22.53	22.52				
20	QPSK	1	96	22.54	22.50	22.42				
20	QPSK	50	0	21.00	21.06	21.48			23.1	
20	QPSK	50	24	21.82	21.59	21.50				
20	QPSK	50	50	21.71	21.63	21.57				
20	QPSK	100	0	21.74	21.69	21.57			23.1	
20	HQDM	1	0	21.80	21.35	21.51				
20	HQDM	1	48	21.55	21.75	21.60				
20	HQDM	1	96	21.00	21.87	21.69			22.1	
20	HQDM	50	0	20.54	20.55	20.45				
20	HQDM	50	24	20.55	20.55	20.50				
20	HQDM	50	50	20.58	20.59	20.46			22.1	
20	HQDM	100	0	20.59	20.52	20.54				
20	HQDM	1	0	20.74	20.54	20.50				
20	HQDM	1	48	20.44	21.00	20.22			21.1	
20	HQDM	1	96	20.65	21.00	20.24				
20	HQDM	50	0	19.71	19.81	19.50				
20	HQDM	50	24	19.48	19.58	19.52			19.1	
20	HQDM	50	50	19.21	19.86	19.50				
20	HQDM	100	0	19.57	19.60	19.60				
20	SSBQAM	1	0	17.41	17.12	17.13			19.1	
20	SSBQAM	1	48	17.52	17.14	17.11				
20	SSBQAM	1	96	17.20	17.13	17.11				
20	SSBQAM	50	0	17.47	17.14	17.14			19.1	
20	SSBQAM	50	24	17.37	17.06	17.12				
20	SSBQAM	50	50	17.28	17.12	17.13				
20	SSBQAM	100	0	17.35	17.13	17.10			19.1	
Channel				2507.5	2510	2513.5				
Frequency (MHz)				2507.5	2510	2513.5				
15	QPSK	1	0	22.55	22.54	22.32			24.1	
15	QPSK	1	36	22.53	22.54	22.30				
15	QPSK	1	74	22.53	22.53	22.55				
15	QPSK	36	0	21.57	21.64	21.54			23.1	
15	QPSK	36	20	21.07	21.68	21.55				
15	QPSK	36	38	21.84	21.80	21.83				
15	QPSK	72	0	21.74	21.84	21.55			23.1	
15	HQDM	1	0	22.04	21.88	21.44				
15	HQDM	1	37	21.88	21.64	21.61				
15	HQDM	1	74	21.85	21.84	21.86			22.1	
15	HQDM	36	0	20.59	20.58	20.48				
15	HQDM	36	20	20.58	20.58	20.40				
15	HQDM	36	38	20.44	20.47	20.52			22.1	
15	HQDM	72	0	20.55	20.50	20.50				
15	HQDM	1	0	20.81	20.96	20.89				
15	HQDM	1	36	20.93	20.71	20.84			21.1	
15	HQDM	1	74	20.87	20.75	20.89				
15	HQDM	36	0	19.59	19.88	19.52				
15	HQDM	36	20	19.62	19.65	19.51			19.1	
15	HQDM	36	38	19.59	19.84	19.27				
15	HQDM	72	0	19.67	19.58	19.52				
15	SSBQAM	1	0	17.42	17.10	17.12			19.1	
15	SSBQAM	1	37	17.28	17.11	17.15				
15	SSBQAM	1	74	17.11	17.14	17.12				
15	SSBQAM	36	0	17.47	17.11	17.14			19.1	
15	SSBQAM	36	20	17.33	17.78	17.10				
15	SSBQAM	36	38	17.34	17.15	17.11				
15	SSBQAM	72	0	17.28	17.12	17.15			19.1	
Channel				2509.0	2510	2510.0				
Frequency (MHz)				2509.0	2510	2510.0				
10	QPSK	1	0	22.55	22.50	22.44			24.1	
10	QPSK	1	25	22.50	22.33	22.34				
10	QPSK	1	48	22.51	22.45	22.52				
10	QPSK	25	0	21.84	21.86	21.82			23.1	
10	QPSK	25	12	21.58	21.69	21.57				
10	QPSK	25	24	21.68	21.54	21.44				
10	QPSK	50	0	21.87	21.56	21.55			23.1	
10	HQDM	1	0	21.69	21.82	21.82				
10	HQDM	1	24	21.94	21.76	22.17				
10	HQDM	1	48	21.77	21.96	21.78			22.1	
10	HQDM	25	0	20.58	20.58	20.47				
10	HQDM	25	12	20.34	20.59	20.50				
10	HQDM	25	24	20.59	20.54	20.50			22.1	
10	HQDM	50	0	20.87	20.56	20.53				
10	HQDM	1	0	20.71	20.84	20.29				
10	HQDM	1	25	20.55	21.05	20.75			21.1	
10	HQDM	1	48	20.49	20.70	20.38				
10	HQDM	25	0	19.50	19.87	19.43				
10	HQDM	25	12	19.63	19.58	19.52			19.1	
10	HQDM	25	24	19.69	19.63	19.56				
10	HQDM	50	0	19.59	19.84	19.47				
10	SSBQAM	1	0	17.34	17.11	17.12			19.1	
10	SSBQAM	1	25	17.40	17.15	17.14				
10	SSBQAM	1	48	17.24	17.12	17.15				
10	SSBQAM	25	0	17.35	17.14	17.15			19.1	
10	SSBQAM	25	12	17.47	17.10	17.14				
10	SSBQAM	25	25	17.31	17.70	17.15				
10	SSBQAM	50	0	17.18	17.11	17.13			19.1	
Channel				2507.5	2510	2512.5				
Frequency (MHz)				2507.5	2510	2512.5				
5	QPSK	1	0	22.43	22.52	22.44			24.1	
5	QPSK	1	12	22.54	22.52	22.50				
5	QPSK	1	24	22.55	22.54	22.54				
5	QPSK	12	0	21.07	21.50	21.48			23.1	
5	QPSK	12	7	21.53	21.56	21.51				
5	QPSK	12	13	21.56	21.87	21.84				
5	QPSK	24	0	21.59	21.63	21.49			23.1	
5	HQDM	1	0	22.02	22.15	21.74				
5	HQDM	1	12	22.14	22.12	21.68				
5	HQDM	1	24	22.12	22.27	21.63			22.1	
5	HQDM	12	0	20.54	20.62	20.35				
5	HQDM	12	7	20.55	20.46	20.40				
5	HQDM	12	13	20.53	20.65	20.54			22.1	
5	HQDM	24	0	20.55	20.58	20.40				
5	HQDM	1	0	20.29	20.72	20.35				
5	HQDM	1	12	20.70	20.77	20.81			21.1	
5	HQDM	1	24	20.48	20.73	20.94				
5	HQDM	12	0	19.47	19.63	19.46				
5	HQDM	12	7	19.63	19.68	19.50			19.1	
5	HQDM	12	13	19.51	19.62	19.50				
5	HQDM	24	0	19.52	19.59	19.45				
5	SSBQAM	1	0	17.35	17.12	17.11			19.1	
5	SSBQAM	1	12	17.38	17.11	17.15				
5	SSBQAM	1	24	17.18	17.16	17.11				
5	SSBQAM	12	0	17.11	17.10	17.15			19.1	
5	SSBQAM	12	7	17.07	17.15	17.10				
5	SSBQAM	12	13	17.28	17.82	17.11				
5	SSBQAM	24	0	17.17	17.14	17.15			19.1	



Band 12_Ant 1									
BW (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)	Time-down (sec)
Channel									
				704	707.4	711			
10	QPSK	1	0	2387	2378	2383			
10	QPSK	1	24	2332	2337	2335		26.2	
10	QPSK	1	48	2331	2361	2372			
10	QPSK	3	0	2232	2248	2244			
10	QPSK	3	12	2232	2234	2230		24.2	
10	QPSK	3	24	2229	2229	2225			
10	QPSK	3	36	2228	2228	2232			
10	QPSK	3	48	2218	2228	2228		24.2	
10	HQDM	1	0	2318	2321	2316			
10	HQDM	1	48	2343	2302	2332			
10	HQDM	3	0	2124	2121	2178			
10	HQDM	3	12	2122	2121	2125		23.2	
10	HQDM	3	24	2202	2195	2185			
10	HQDM	3	36	2192	2188	2191			
10	HQDM	3	48	2124	2121	2121		23.2	
10	HQDM	3	24	2220	2192	2207			
10	HQDM	3	48	2209	2228	2205			
10	HQDM	3	36	2033	2034	2078			
10	HQDM	3	12	2047	2085	2085		22.2	
10	HQDM	3	24	2038	2036	2088			
10	HQDM	3	36	2002	2034	2095			
10	SSBQAM	1	0	1925	1922	1934			
10	SSBQAM	1	24	1892	1892	1892		20.2	
10	SSBQAM	1	48	1836	1832	1878			
10	SSBQAM	3	0	1918	1910	1904			
10	SSBQAM	3	12	1905	1905	1905		20.2	
10	SSBQAM	3	24	1929	1927	1933			
10	SSBQAM	3	36	1908	1908	1909			
Channel									
				701.5	707.5	713.5			
5	QPSK	1	0	2330	2375	2370			
5	QPSK	1	12	2338	2351	2387		26.2	
5	QPSK	1	24	2331	2379	2385			
5	QPSK	12	0	2327	2298	2284			
5	QPSK	12	12	2328	2291	2280		24.2	
5	QPSK	12	24	2328	2284	2282			
5	QPSK	12	36	2229	2288	2293			
5	HQDM	1	0	2329	2297	2282			
5	HQDM	1	12	2303	2329	2300		24.2	
5	HQDM	1	24	2311	2328	2288			
5	HQDM	12	0	2228	2190	2175			
5	HQDM	12	12	2199	2201	2178		23.2	
5	HQDM	12	24	2124	2201	2186			
5	HQDM	12	36	2127	2188	2181			
5	HQDM	1	0	2227	2178	2175			
5	HQDM	1	12	2228	2124	2195		23.2	
5	HQDM	1	24	2215	2238	2178			
5	HQDM	12	0	2033	2038	2070			
5	HQDM	12	12	2008	2038	2089		22.2	
5	HQDM	12	24	2038	2035	2030			
5	HQDM	12	36	2036	2035	2078			
5	SSBQAM	1	0	1922	1921	1933			
5	SSBQAM	1	12	1893	1903	1881		20.2	
5	SSBQAM	1	24	1836	1897	1878			
5	SSBQAM	3	0	1912	1922	1928			
5	SSBQAM	3	12	1904	1904	1890		20.2	
5	SSBQAM	3	24	1908	1903	1931			
5	SSBQAM	3	36	1913	1903	1935			
Channel									
				2305	2305	2308			
Channel									
				701.5	707.5	713.5			
3	QPSK	1	0	2330	2377	2374			
3	QPSK	1	8	2339	2364	2372		26.2	
3	QPSK	1	16	2334	2330	2335			
3	QPSK	8	0	2291	2284	2276			
3	QPSK	8	4	2228	2275	2281		24.2	
3	QPSK	8	8	2225	2292	2280			
3	QPSK	16	0	2228	2282	2281			
3	HQDM	1	0	2335	2319	2316			
3	HQDM	1	8	2327	2283	2322		24.2	
3	HQDM	1	16	2318	2299	2303			
3	HQDM	8	0	2124	2204	2179			
3	HQDM	8	4	2124	2201	2187		23.2	
3	HQDM	8	8	2193	2193	2174			
3	HQDM	16	0	2127	2187	2182			
3	HQDM	1	0	2224	2218	2198			
3	HQDM	1	8	2188	2175	2190		23.2	
3	HQDM	1	16	2220	2183	2199			
3	HQDM	8	0	2038	2073	2082			
3	HQDM	8	4	2077	2097	2082		22.2	
3	HQDM	8	8	2002	2004	2076			
3	HQDM	16	0	2074	2078	2083			
3	SSBQAM	1	0	1836	1887	1887			
3	SSBQAM	1	16	1837	1858	1877		20.2	
3	SSBQAM	1	32	1897	1888	1878			
3	SSBQAM	8	0	1905	1894	1885			
3	SSBQAM	8	4	1923	1921	1827		20.2	
3	SSBQAM	8	8	1922	1920	1824			
3	SSBQAM	16	0	1839	1838	1838			
Channel									
				2307	2305	2313			
Channel									
				697.2	707.5	713.5			
1.4	QPSK	1	0	2333	2334	2312			
1.4	QPSK	1	3	2383	2389	2373		26.2	
1.4	QPSK	1	5	2321	2378	2379			
1.4	QPSK	3	0	2325	2385	2388			
1.4	QPSK	3	1	2330	2388	2378			
1.4	QPSK	3	3	2327	2381	2389		24.2	
1.4	QPSK	6	0	2227	2281	2272			
1.4	HQDM	1	0	2321	2297	2303			
1.4	HQDM	1	6	2313	2307	2296			
1.4	HQDM	1	5	2314	2333	2333		24.2	
1.4	HQDM	3	0	2287	2313	2294			
1.4	HQDM	3	6	2228	2306	2294			
1.4	HQDM	3	7	2233	2305	2295			
1.4	HQDM	6	0	2189	2203	2180		23.2	
1.4	HQDM	1	0	2128	2205	2207			
1.4	HQDM	1	3	2188	2183	2289			
1.4	HQDM	1	6	2229	2214	2209		23.2	
1.4	HQDM	3	0	2103	2197	2188			
1.4	HQDM	3	1	2221	2201	2178			
1.4	HQDM	6	0	2123	2205	2188			
1.4	HQDM	6	0	2035	2108	2075		22.2	
1.4	SSBQAM	1	0	1913	1897	1888			
1.4	SSBQAM	1	3	1893	1893	1890			
1.4	SSBQAM	1	5	1835	1838	1838		20.2	
1.4	SSBQAM	3	0	1927	1912	1912			
1.4	SSBQAM	3	3	1917	1914	1932			
1.4	SSBQAM	3	3	1921	1913	1921			
1.4	SSBQAM	6	0	1918	1895	1911		20.2	





Band 13_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Time-up (min)	
Channel							
Frequency (MHz)				782			
10	QPSK	1	0	23.00		20.2	
10	QPSK	1	24	23.04			
10	QPSK	1	48	23.08		24.2	
10	QPSK	25	12	22.97			
10	QPSK	25	25	23.01		24.2	
10	QPSK	50	0	22.98			
10	HQDM	1	0	23.00		23.2	
10	HQDM	1	24	23.04			
10	HQDM	25	0	22.97		23.2	
10	HQDM	25	25	23.01			
10	HQDM	50	0	22.98		23.2	
10	HQDM	50	25	22.98			
10	HQDM	1	0	23.01		20.2	
10	HQDM	1	24	23.05			
10	HQDM	25	0	23.03		20.2	
10	HQDM	25	24	23.07			
10	HQDM	25	25	23.00		20.2	
10	HQDM	50	0	23.01			
10	SSBQAM	1	0	19.05		20.2	
10	SSBQAM	1	24	19.09			
10	SSBQAM	25	0	19.11		20.2	
10	SSBQAM	25	24	19.05			
10	SSBQAM	25	25	19.05		20.2	
10	SSBQAM	50	0	19.11			
Channel				23205	23210	23215	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.01	23.02	23.00	20.2
5	QPSK	1	18	23.00	23.02	23.00	
5	QPSK	1	24	23.07	23.01	23.00	24.2
5	QPSK	12	0	23.03	23.03	23.03	
5	QPSK	12	6	22.98	22.99	22.94	24.2
5	QPSK	12	18	22.94	23.00	22.95	
5	QPSK	25	0	23.01	23.02	22.98	24.2
5	HQDM	1	0	23.05	23.17	23.08	
5	HQDM	1	12	23.42	23.16	23.32	23.2
5	HQDM	1	24	23.14	23.15	23.05	
5	HQDM	12	0	22.12	22.00	21.87	23.2
5	HQDM	12	6	22.08	21.91	21.95	
5	HQDM	12	18	22.13	22.01	22.00	23.2
5	HQDM	25	0	22.08	22.00	21.92	
5	HQDM	1	0	22.07	21.99	21.94	23.2
5	HQDM	1	18	22.02	22.08	21.90	
5	HQDM	1	24	22.23	22.07	22.30	23.2
5	HQDM	12	0	21.06	20.97	21.11	
5	HQDM	12	6	21.04	21.03	21.08	23.2
5	HQDM	12	18	21.10	20.87	21.12	
5	HQDM	25	0	21.05	20.98	20.99	20.2
5	SSBQAM	1	0	19.02	19.08	19.03	
5	SSBQAM	1	12	19.12	19.01	19.01	20.2
5	SSBQAM	1	24	19.02	19.06	19.04	
5	SSBQAM	12	0	19.11	19.04	19.08	20.2
5	SSBQAM	12	6	19.18	19.03	19.03	
5	SSBQAM	12	18	19.13	19.05	19.07	20.2
5	SSBQAM	25	0	19.02	19.00	19.05	



Band 14_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq	Power High Ch. F/Freq	Time-up (min)	
Channel							
Frequency (MHz)				793			
10	QPSK	1	0	23.81		25.2	
10	QPSK	1	25	23.84			
10	QPSK	1	49	23.88			
10	QPSK	5	0	22.96		24.2	
10	QPSK	5	12	22.87			
10	QPSK	5	25	22.92			
10	QPSK	5	0	22.07		24.2	
10	QPSK	5	12	21.98			
10	QPSK	5	25	22.03			
10	HQDM	1	0	21.94		23.2	
10	HQDM	1	25	21.98			
10	HQDM	1	49	22.02			
10	HQDM	5	0	21.03		23.2	
10	HQDM	5	12	20.92			
10	HQDM	5	25	20.98			
10	HQDM	5	0	20.04		20.2	
10	HQDM	5	12	19.92			
10	HQDM	5	25	19.98			
10	SSBQAM	1	0	18.89		20.2	
10	SSBQAM	1	25	18.93			
10	SSBQAM	1	49	18.97			
10	SSBQAM	5	0	18.03		20.2	
10	SSBQAM	5	12	18.06			
10	SSBQAM	5	25	18.12			
10	SSBQAM	5	0	18.01		19.2	
10	SSBQAM	5	12	18.05			
10	SSBQAM	5	25	18.11			
Channel				23.85	23.118	23.855	
Frequency (MHz)				793.5	793	795.5	
5	QPSK	1	0	23.82	23.83	23.81	25.2
5	QPSK	1	12	23.81	23.82	23.81	
5	QPSK	1	24	23.83	23.82	23.79	
5	QPSK	12	0	22.89	22.83	22.87	24.2
5	QPSK	12	12	22.95	22.88	22.90	
5	QPSK	12	18	22.90	22.80	22.82	
5	QPSK	25	0	23.01	22.95	22.86	24.2
5	HQDM	1	0	23.08	23.05	23.04	
5	HQDM	1	12	23.12	22.94	23.23	
5	HQDM	1	25	23.03	23.07	22.75	23.2
5	HQDM	12	0	21.90	21.98	21.65	
5	HQDM	12	12	21.98	21.97	21.95	
5	HQDM	12	18	21.94	21.86	21.90	23.2
5	HQDM	25	0	22.05	21.97	21.91	
5	HQDM	1	0	22.27	22.29	21.89	
5	HQDM	1	12	22.03	22.28	21.97	22.2
5	HQDM	1	24	22.10	21.77	21.88	
5	HQDM	12	0	20.92	20.82	20.70	
5	HQDM	12	12	20.98	20.90	20.80	22.2
5	HQDM	12	18	20.87	20.78	20.89	
5	HQDM	25	0	20.95	20.97	20.94	
5	SSBQAM	1	0	18.95	18.95	18.92	20.2
5	SSBQAM	1	12	18.85	18.81	18.88	
5	SSBQAM	1	25	18.97	18.84	18.84	
5	SSBQAM	12	0	18.06	18.00	18.07	20.2
5	SSBQAM	12	12	18.07	18.01	18.06	
5	SSBQAM	12	18	18.05	18.03	18.00	
5	SSBQAM	25	0	18.59	18.50	18.54	19.2
5	SSBQAM	25	12	18.59	18.50	18.54	
5	SSBQAM	25	24	18.59	18.50	18.54	



Band 25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low ChU / Freq	Power High ChU / Freq	Power Max ChU / Freq	Time-up (min)	Time-down (min)	Time-avg (min)
Channel									
Frequency (MHz)									
20	QPSK	1	0	2190	2190	2190	24.6		
20	QPSK	1	49	2131	2132	2130			
20	QPSK	1	99	2071	2072	2070			
20	QPSK	50	0	2230	2230	2230	23.0		
20	QPSK	50	24	2230	2218	2221			
20	QPSK	50	50	2227	2219	2215			
20	QPSK	100	0	2227	2218	2218			
20	HQDM	1	0	2207	2204	2207	23.0		
20	HQDM	1	49	2215	2237	2214			
20	HQDM	1	99	2232	2207	2221			
20	HQDM	50	0	2131	2123	2113	22.0		
20	HQDM	50	24	2131	2128	2118			
20	HQDM	50	50	2134	2124	2124			
20	HQDM	100	0	2124	2115	2121			
20	HQDM	1	0	2141	2144	2130	22.0		
20	HQDM	1	49	2117	2113	2110			
20	HQDM	1	99	2142	2127	2089			
20	HQDM	50	0	2033	2018	2018	21.0		
20	HQDM	50	24	2028	2027	2029			
20	HQDM	50	50	2020	2012	2018			
20	HQDM	100	0	2020	2017	2020			
20	SRQDM	1	0	1815	1815	1815	19.0		
20	SRQDM	1	49	1822	1810	1808			
20	SRQDM	1	99	1815	1808	1808			
20	SRQDM	50	0	1836	1822	1824			
20	SRQDM	50	24	1828	1822	1820			
20	SRQDM	50	50	1835	1824	1822			
20	SRQDM	100	0	1836	1821	1825			
Channel									
Frequency (MHz)									
15	QPSK	1	0	2322	2317	2313	24.6		
15	QPSK	1	39	2322	2298	2312			
15	QPSK	1	74	2321	2308	2296			
15	QPSK	36	0	2233	2227	2218	23.0		
15	QPSK	36	20	2228	2221	2220			
15	QPSK	36	36	2233	2222	2220			
15	QPSK	72	0	2239	2220	2214	23.0		
15	QPSK	1	0	2271	2268	2263			
15	HQDM	1	37	2259	2272	2251			
15	HQDM	1	74	2265	2253	2250	23.0		
15	HQDM	36	0	2136	2130	2132			
15	HQDM	36	20	2133	2129	2126			
15	HQDM	36	36	2128	2116	2126	22.0		
15	HQDM	72	0	2127	2127	2120			
15	HQDM	1	0	2153	2131	2156	22.0		
15	HQDM	1	39	2151	2134	2127			
15	HQDM	1	74	2146	2110	2095			
15	HQDM	36	0	2033	2031	2016	21.0		
15	HQDM	36	20	2028	2020	2020			
15	HQDM	36	36	2042	2029	2023			
15	HQDM	72	0	2030	2016	2016			
15	SRQDM	1	0	1831	1821	1814	19.0		
15	SRQDM	1	37	1821	1803	1820			
15	SRQDM	1	74	1821	1806	1806			
15	SRQDM	36	0	1831	1817	1818			
15	SRQDM	36	20	1833	1813	1820			
15	SRQDM	36	36	1830	1814	1820			
15	SRQDM	72	0	1820	1817	1816			
Channel									
Frequency (MHz)									
10	QPSK	1	0	2316	2322	2318	24.6		
10	QPSK	1	25	2297	2304	2309			
10	QPSK	1	49	2317	2321	2308			
10	QPSK	25	0	2232	2230	2222	23.0		
10	QPSK	25	12	2228	2222	2220			
10	QPSK	25	25	2232	2218	2213			
10	QPSK	50	0	2228	2219	2212	23.0		
10	HQDM	1	0	2247	2231	2246			
10	HQDM	1	24	2230	2278	2242			
10	HQDM	1	49	2272	2241	2233	23.0		
10	HQDM	25	0	2132	2110	2121			
10	HQDM	25	12	2130	2110	2119			
10	HQDM	25	25	2130	2117	2127	22.0		
10	HQDM	50	0	2134	2115	2124			
10	HQDM	1	0	2118	2151	2115			
10	HQDM	1	25	2163	2106	2103			
10	HQDM	1	49	2126	2122	2136	22.0		
10	HQDM	25	0	2034	2027	2017			
10	HQDM	25	12	2034	2027	2021			
10	HQDM	25	25	2036	2021	2020			
10	HQDM	50	0	2030	2025	2020	21.0		
10	SRQDM	1	0	1821	1814	1814	19.0		
10	SRQDM	1	25	1820	1797	1820			
10	SRQDM	1	49	1808	1797	1801			
10	SRQDM	25	0	1820	1807	1815			
10	SRQDM	25	12	1822	1805	1811			
10	SRQDM	25	25	1822	1808	1816			
10	SRQDM	50	0	1827	1808	1808			
Channel									
Frequency (MHz)									
5	QPSK	1	0	2312	2312	2312	24.6		
5	QPSK	1	12	2320	2322	2305			
5	QPSK	1	24	2321	2315	2301			
5	QPSK	12	0	2227	2214	2220	23.0		
5	QPSK	12	7	2235	2222	2219			
5	QPSK	12	13	2234	2221	2216			
5	QPSK	24	0	2224	2221	2219			
5	HQDM	1	0	2262	2271	2231	23.0		
5	HQDM	1	12	2235	2256	2247			
5	HQDM	1	24	2238	2233	2220			
5	HQDM	12	0	2129	2127	2129	22.0		
5	HQDM	12	7	2145	2126	2130			
5	HQDM	12	13	2140	2117	2119			
5	HQDM	24	0	2121	2128	2115			
5	HQDM	1	0	2136	2133	2119	22.0		
5	HQDM	1	12	2123	2184	2180			
5	HQDM	1	24	2127	2127	2126			
5	HQDM	12	0	2029	2037	2023	21.0		
5	HQDM	12	7	2020	2031	2020			
5	HQDM	12	13	2034	2026	2020			
5	HQDM	24	0	2032	2018	2012			
5	SRQDM	1	0	1836	1813	1814	19.0		
5	SRQDM	1	12	1819	1788	1820			
5	SRQDM	1	24	1801	1797	1799			
5	SRQDM	12	0	1815	1802	1815			
5	SRQDM	12	7	1818	1798	1810			
5	SRQDM	12	13	1821	1808	1806			
5	SRQDM	24	0	1817	1802	1796			
Channel									
Frequency (MHz)									
3	QPSK	1	0	2318	2313	2308	24.6		
3	QPSK	1	6	2318	2301	2305			
3	QPSK	1	12	2322	2319	2307			
3	QPSK	8	0	2223	2214	2212	23.0		
3	QPSK	8	4	2224	2207	2205			
3	QPSK	8	7	2225	2212	2204			
3	QPSK	16	0	2221	2216	2205	23.0		
3	HQDM	1	0	2236	2231	2247			
3	HQDM	1	8	2239	2251	2216			
3	HQDM	1	16	2241	2231	2234	22.0		
3	HQDM	8	0	2138	2124	2124			
3	HQDM	8	4	2122	2128	2113			
3	HQDM	8	9	2155	2133	2115	22.0		
3	HQDM	16	0	2128	2117	2084			
3	HQDM	1	0	2143	2125	2123	22.0		
3	HQDM	1	6	2178	2085	2110			
3	HQDM	1	14	2128	2146	2125			
3	HQDM	8	0	2027	2027	2021	21.0		
3	HQDM	8	4	2024	2010	2011			
3	HQDM	8	7	2024	2030	2019			
3	HQDM	16	0	2037	2017	2008			
3	SRQDM	1	0	1833	1818	1807	19.0		
3	SRQDM	1	6	1813	1780	1816			
3	SRQDM	1	12	1798	1793	1798			
3	SRQDM	8	0	1815	1792	1810			
3	SRQDM	8	4	1808	1787	1807			
3	SRQDM	8	7	1815	1807	1800			
3	SRQDM	16	0	1816	1784	1791			
Channel									
Frequency (MHz)									
1.4	QPSK								



Band 26_Ant 1										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Mean Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Time-up [min]	
Channel										
Frequency (MHz)										
15	QPSK	1	0	2348	2341	2344	2341	2348	25	
15	QPSK	1	31	2351	2358	2354	2351	2358		
15	QPSK	1	74	2359	2358	2351	2351	2351		
15	QPSK	36	0	2277	2271	2282	2271	2282	24	
15	QPSK	36	20	2281	2275	2278	2275	2283		
15	QPSK	36	39	2288	2272	2280	2272	2287		
15	QPSK	76	0	2281	2278	2282	2278	2285	24	
15	HQDM	1	0	2278	2283	2281	2281	2278		
15	HQDM	1	37	2226	2279	2252	2279	2322		
15	HQDM	1	74	2328	2288	2284	2288	2324	23	
15	HQDM	36	0	2174	2171	2181	2171	2181		
15	HQDM	36	20	2175	2175	2181	2175	2181		
15	HQDM	36	39	2178	2187	2187	2187	2187	23	
15	HQDM	76	0	2170	2174	2188	2174	2188		
15	HQDM	1	0	2188	2184	2196	2184	2196		
15	HQDM	1	37	2171	2144	2143	2144	2143	23	
15	HQDM	1	74	2261	2119	2151	2119	2151		
15	HQDM	36	0	2074	2075	2088	2075	2088		
15	HQDM	36	20	2073	2088	2073	2088	2073	22	
15	HQDM	36	39	2075	2071	2085	2071	2085		
15	HQDM	76	0	2075	2074	2088	2074	2088		
15	SSBQAM	1	0	1827	1873	1881	1873	1881	20	
15	SSBQAM	1	37	1826	1869	1874	1869	1874		
15	SSBQAM	1	74	1835	1864	1865	1864	1865		
15	SSBQAM	36	0	1826	1891	1881	1891	1881	20	
15	SSBQAM	36	20	1827	1884	1873	1884	1873		
15	SSBQAM	36	39	1830	1877	1871	1877	1871		
15	SSBQAM	76	0	1826	1888	1889	1888	1889	20	
Channel										
Frequency (MHz)										
10	QPSK	1	0	2361	2363	2363	2363	2363	25	
10	QPSK	1	20	2359	2355	2343	2355	2343		
10	QPSK	1	49	2363	2364	2357	2364	2357		
10	QPSK	25	0	2226	2280	2270	2280	2270	24	
10	QPSK	25	14	2224	2272	2267	2272	2267		
10	QPSK	25	28	2228	2287	2287	2287	2287		
10	QPSK	50	0	2222	2281	2270	2281	2270	24	
10	HQDM	1	0	2138	2122	2135	2122	2135		
10	HQDM	1	28	2127	2126	2135	2126	2135		
10	HQDM	1	49	2135	2122	2135	2122	2135	23	
10	HQDM	25	0	2187	2180	2182	2180	2182		
10	HQDM	25	14	2130	2177	2172	2177	2172		
10	HQDM	25	28	2134	2178	2185	2178	2185	23	
10	HQDM	50	0	2130	2176	2181	2176	2181		
10	HQDM	1	0	2193	2181	2181	2181	2181		
10	HQDM	1	20	2185	2181	2196	2181	2196	23	
10	HQDM	1	49	2147	2226	2196	2226	2196		
10	HQDM	25	0	2086	2078	2071	2078	2071		
10	HQDM	25	14	2081	2089	2087	2089	2087	22	
10	HQDM	25	28	2084	2076	2089	2076	2089		
10	HQDM	50	0	2100	2080	2070	2080	2070		
10	SSBQAM	1	0	1826	1884	1874	1884	1874	20	
10	SSBQAM	1	28	1823	1871	1885	1871	1885		
10	SSBQAM	1	49	1827	1874	1884	1874	1884		
10	SSBQAM	25	0	1825	1850	1874	1850	1874	20	
10	SSBQAM	25	14	1828	1888	1875	1888	1875		
10	SSBQAM	25	28	1824	1888	1871	1888	1871		
10	SSBQAM	50	0	1823	1886	1887	1886	1887	20	
Channel										
Frequency (MHz)										
5	QPSK	1	0	2361	2358	2365	2358	2365	25	
5	QPSK	1	14	2359	2362	2358	2362	2358		
5	QPSK	1	28	2363	2365	2354	2365	2354		
5	QPSK	12	0	2288	2280	2284	2280	2284	24	
5	QPSK	12	7	2289	2279	2282	2279	2282		
5	QPSK	12	14	2284	2278	2289	2278	2289		
5	QPSK	24	0	2289	2270	2281	2270	2281	24	
5	HQDM	1	0	2138	2160	2164	2160	2164		
5	HQDM	1	14	2138	2117	2159	2117	2159		
5	HQDM	1	28	2132	2117	2280	2117	2280	23	
5	HQDM	1	21	2188	2170	2187	2170	2187		
5	HQDM	12	7	2130	2170	2184	2170	2184		
5	HQDM	12	14	2132	2178	2189	2178	2189	23	
5	HQDM	25	0	2134	2180	2187	2180	2187		
5	HQDM	1	0	2180	2189	2195	2189	2195		
5	HQDM	1	14	2216	2184	2171	2184	2171	22	
5	HQDM	1	28	2216	2211	2188	2211	2188		
5	HQDM	12	0	2030	2071	2082	2071	2082		
5	HQDM	12	7	2031	2072	2083	2072	2083	22	
5	HQDM	14	14	2030	2082	2086	2082	2086		
5	HQDM	25	0	2100	2088	2084	2088	2084		
5	SSBQAM	1	0	1825	1851	1878	1851	1878	20	
5	SSBQAM	1	14	1825	1851	1878	1851	1878		
5	SSBQAM	1	28	1829	1860	1870	1860	1870		
5	SSBQAM	12	0	1823	1863	1885	1863	1885	20	
5	SSBQAM	12	7	1826	1875	1886	1875	1886		
5	SSBQAM	12	14	1826	1867	1876	1867	1876		
5	SSBQAM	25	0	1825	1893	1892	1893	1892	20	
Channel										
Frequency (MHz)										
3	QPSK	1	0	2343	2341	2345	2341	2345	25	
3	QPSK	1	8	2344	2358	2343	2358	2343		
3	QPSK	1	14	2363	2354	2345	2354	2345		
3	QPSK	8	0	2284	2288	2296	2288	2296	24	
3	QPSK	8	4	2282	2284	2243	2284	2243		
3	QPSK	8	7	2288	2272	2245	2272	2245		
3	QPSK	16	0	2286	2263	2263	2263	2263	24	
3	HQDM	1	0	2307	2306	2302	2306	2302		
3	HQDM	1	8	2305	2305	2306	2305	2306		
3	HQDM	1	14	2297	2324	2261	2324	2261	24	
3	HQDM	8	0	2179	2174	2186	2174	2186		
3	HQDM	8	4	2184	2184	2180	2184	2180		
3	HQDM	8	7	2192	2172	2183	2172	2183	23	
3	HQDM	16	0	2191	2174	2183	2174	2183		
3	HQDM	16	8	2187	2204	2183	2204	2183		
3	HQDM	1	8	2181	2178	2173	2178	2173	23	
3	HQDM	1	14	2202	2199	2149	2199	2149		
3	HQDM	8	0	2097	2097	2092	2097	2092		
3	HQDM	8	4	2084	2080	2049	2080	2049	22	
3	HQDM	8	7	2081	2072	2065	2072	2065		
3	HQDM	16	0	2076	2056	2037	2056	2037		
3	SSBQAM	1	0	1834	1882	1872	1882	1872	20	
3	SSBQAM	1	8	1825	1862	1870	1862	1870		
3	SSBQAM	1	14	1826	1858	1871	1858	1871		
3	SSBQAM	8	0	1825	1885	1871	1885	1871	20	
3	SSBQAM	8	4	1827	1873	1878	1873	1878		
3	SSBQAM	8	7	1822	1884	1872	1884	1872		
3	SSBQAM	15	0	1828	1888	1892	1888	1892	20	
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	2365	2358	2336	2358	2336	25	
1.4	QPSK	1	8	2363	2354	2335	2354	2335		
1.4	QPSK	1	16	2361	2362	2349	2362	2349		
1.4	QPSK	3	0	2360	2363	2352	2363	2352	24	
1.4	QPSK	3	8	2362	2359	2357	2359	2357		
1.4	QPSK	3	16	2362	2364	2349	2364	2349		
1.4	QPSK	6	0	2261	2264	2250	2264	2250	24	
1.4	HQDM	1	0	2337	2355	2290	2355	2290		
1.4	HQDM	1	8	2343	2311	2298	2311	2298		
1.4	HQDM	1	16	2341	2316	2300	2316	2300	24	
1.4	HQDM	3	0	2310	2245	2280	2245	2280		
1.4	HQDM	3	8	2304	2288	2263	2288	2263		
1.4	HQDM	3	16	2292	2298	2280	2298	2280	23	
1.4	HQDM	6	0	2183	2171	2188	2171	2188		
1.4	HQDM	1	0	2237	2173	2183	2173	2183		
1.4	HQDM	1	8	2186	2173	2186	2173	2186	23	
1.4	HQDM	1	16	2204	2174	2172	2174	2172</		



Band 30_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mide Ch. F (MHz)	Power High Ch. F (MHz)	Time-up limit (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2259			
10	QPSK	1	26	2259			24.4
10	QPSK	1	49	2259			
10	QPSK	26	0	2168			
10	QPSK	26	12	2168			23.4
10	QPSK	26	25	2168			
10	QPSK	50	0	2174			
10	QPSK	50	12	2174			23.4
10	QPSK	50	25	2174			
10	HQDM	1	0	2078			
10	HQDM	1	26	2078			22.4
10	HQDM	1	49	2078			
10	HQDM	26	0	2078			
10	HQDM	26	12	2078			21.4
10	HQDM	26	25	2078			
10	HQDM	50	0	2081			
10	HQDM	50	12	2081			22.4
10	HQDM	50	25	2081			
10	HQDM	1	0	2070			
10	HQDM	1	26	2070			22.4
10	HQDM	1	49	2070			
10	HQDM	26	0	1972			
10	HQDM	26	12	1972			21.4
10	HQDM	26	25	1972			
10	HQDM	50	0	1978			
10	HQDM	50	12	1978			19.4
10	HQDM	50	25	1978			
10	HQDM	1	0	1781			
10	HQDM	1	26	1781			19.4
10	HQDM	1	49	1781			
10	HQDM	26	0	1785			
10	HQDM	26	12	1785			19.4
10	HQDM	26	25	1785			
10	HQDM	50	0	1784			
10	HQDM	50	12	1777			19.4
10	HQDM	50	25	1784			
Channel							
Frequency (MHz)							
5	QPSK	1	0	2260	2259	2259	
5	QPSK	1	26	2260	2259	2259	24.4
5	QPSK	1	49	2260	2259	2259	
5	QPSK	24	0	2256	2256	2256	
5	QPSK	24	12	2256	2256	2256	23.4
5	QPSK	24	24	2256	2256	2256	
5	QPSK	12	0	2165	2164	2164	
5	QPSK	12	6	2165	2164	2164	23.4
5	QPSK	12	12	2165	2164	2164	
5	QPSK	12	18	2167	2169	2183	
5	QPSK	25	0	2174	2171	2181	
5	QPSK	25	12	2174	2171	2181	23.4
5	QPSK	25	24	2174	2171	2181	
5	HQDM	1	0	2208	2192	2244	
5	HQDM	1	26	2202	2185	2207	23.4
5	HQDM	1	49	2202	2185	2207	
5	HQDM	12	0	2084	2084	2072	
5	HQDM	12	6	2084	2084	2072	22.4
5	HQDM	12	12	2082	2071	2071	
5	HQDM	12	18	2082	2086	2081	
5	HQDM	25	0	2059	2071	2064	22.4
5	HQDM	25	12	2058	2086	2081	
5	HQDM	25	24	2058	2086	2081	
5	HQDM	1	0	2068	2096	2081	
5	HQDM	1	26	2068	2096	2081	22.4
5	HQDM	1	49	2068	2096	2081	
5	HQDM	24	0	2082	2070	2055	
5	HQDM	24	12	2082	2070	2055	21.4
5	HQDM	24	24	2082	2070	2055	
5	HQDM	12	0	1989	1988	1978	
5	HQDM	12	6	1989	1987	1988	21.4
5	HQDM	12	12	1983	1958	1981	
5	HQDM	25	0	1969	1970	1959	
5	HQDM	25	12	1775	1776	1784	19.4
5	HQDM	25	24	1775	1776	1784	
5	SSBQAM	1	0	1769	1771	1781	
5	SSBQAM	1	26	1769	1771	1781	19.4
5	SSBQAM	1	49	1769	1771	1781	
5	SSBQAM	12	0	1775	1785	1783	
5	SSBQAM	12	6	1775	1785	1783	19.4
5	SSBQAM	12	12	1778	1777	1777	
5	SSBQAM	12	18	1778	1777	1777	
5	SSBQAM	12	24	1778	1777	1777	19.4
5	SSBQAM	12	30	1777	1776	1776	
5	SSBQAM	25	0	1783	1777	1776	
5	SSBQAM	25	12	1783	1777	1776	19.4
5	SSBQAM	25	24	1783	1777	1776	



Band 66_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power High Ch. Freq	Power Low Ch. Freq	Power High Ch. Freq	Time-up (min)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	2202	2284	2276	2276	24.4	
20	QPSK	1	48	2211	2298	2286	2286		
20	QPSK	1	96	2219	2306	2298	2297		
20	QPSK	50	0	2220	2303	2294	2294	23.4	
20	QPSK	50	24	2232	2305	2295	2295		
20	QPSK	50	50	2236	2308	2298	2299		
20	QPSK	100	0	2238	2313	2303	2303	23.4	
20	QPSK	100	0	2197	2311	2303	2303		
20	HQDM	1	0	2232	2327	2308	2308	22.4	
20	HQDM	1	48	2235	2325	2307	2307		
20	HQDM	50	0	2167	2311	2309	2309		
20	HQDM	50	24	2171	2305	2301	2301	22.4	
20	HQDM	50	50	2178	2303	2301	2301		
20	HQDM	100	0	2138	2308	2302	2302	21.4	
20	HQDM	100	0	2098	2311	2311	2311		
20	HQDM	1	48	2129	2308	2307	2307	21.4	
20	HQDM	1	96	2108	2307	2306	2306		
20	HQDM	50	0	2008	2308	2308	2308	19.4	
20	HQDM	50	24	2028	2302	2308	2308		
20	HQDM	50	50	2034	2306	2300	2300		
20	HQDM	100	0	2034	2301	2302	2302		
20	SSBQAM	1	0	1770	1779	1779	1779	19.4	
20	SSBQAM	1	48	1804	1791	1788	1788		
20	SSBQAM	50	0	1804	1798	1811	1811	19.4	
20	SSBQAM	50	0	1788	1796	1790	1790		
20	SSBQAM	50	24	1802	1796	1801	1801	19.4	
20	SSBQAM	50	50	1812	1799	1805	1805		
20	SSBQAM	100	0	1802	1797	1802	1802		
Channel									
Frequency (MHz)									
15	QPSK	1	0	2306	2301	2280	2280	24.4	
15	QPSK	1	36	2309	2295	2280	2280		
15	QPSK	1	74	2310	2290	2293	2293	23.4	
15	QPSK	36	0	2212	2290	2190	2190		
15	QPSK	36	20	2220	2291	2198	2198	23.4	
15	QPSK	36	38	2224	2287	2283	2283		
15	QPSK	75	0	2228	2294	2195	2195	23.4	
15	HQDM	1	0	2228	2295	2248	2248		
15	HQDM	1	37	2244	2224	2220	2220	22.4	
15	HQDM	1	74	2254	2211	2211	2211		
15	HQDM	36	0	2130	2109	2088	2088	22.4	
15	HQDM	36	38	2117	2116	2099	2099		
15	HQDM	36	39	2117	2108	2096	2096	22.4	
15	HQDM	75	0	2114	2107	2091	2091		
15	HQDM	1	0	2107	2132	2101	2101	21.4	
15	HQDM	1	36	2097	2101	2080	2080		
15	HQDM	1	74	2108	2071	2104	2104	21.4	
15	HQDM	36	0	2016	2007	2000	2000		
15	HQDM	36	20	2017	2010	1991	1991	19.4	
15	HQDM	36	38	2012	2009	1997	1997		
15	HQDM	75	0	2013	2004	1996	1996	19.4	
15	SSBQAM	1	0	1783	1785	1788	1788		
15	SSBQAM	1	37	1800	1794	1788	1788	19.4	
15	SSBQAM	1	74	1801	1795	1801	1801		
15	SSBQAM	36	0	1802	1795	1801	1801	19.4	
15	SSBQAM	36	20	1813	1798	1804	1804		
15	SSBQAM	36	39	1815	1803	1808	1808	19.4	
15	SSBQAM	75	0	1802	1796	1804	1804		
Channel									
Frequency (MHz)									
10	QPSK	1	0	2299	2302	2291	2291	24.4	
10	QPSK	1	25	2295	2285	2270	2270		
10	QPSK	1	49	2304	2297	2293	2293	23.4	
10	QPSK	25	0	2218	2285	2183	2183		
10	QPSK	25	12	2218	2210	2197	2197	23.4	
10	QPSK	25	25	2211	2297	2291	2291		
10	QPSK	50	0	2218	2291	2198	2198	23.4	
10	HQDM	1	0	2221	2224	2221	2221		
10	HQDM	1	24	2244	2248	2184	2184	22.4	
10	HQDM	1	48	2242	2240	2242	2242		
10	HQDM	25	0	2123	2108	2100	2100	22.4	
10	HQDM	25	12	2107	2110	2095	2095		
10	HQDM	25	25	2118	2104	2099	2099	22.4	
10	HQDM	50	0	2123	2113	2107	2107		
10	HQDM	1	0	2128	2144	2141	2141	21.4	
10	HQDM	1	25	2168	2119	2152	2152		
10	HQDM	1	49	2103	2109	2132	2132	21.4	
10	HQDM	25	0	2019	2007	1994	1994		
10	HQDM	25	12	2007	2004	1993	1993	19.4	
10	HQDM	25	25	2019	2007	2000	2000		
10	HQDM	50	0	2010	2001	1998	1998	19.4	
10	SSBQAM	1	0	1798	1799	1802	1802		
10	SSBQAM	1	25	1805	1799	1801	1801	19.4	
10	SSBQAM	1	49	1815	1809	1812	1812		
10	SSBQAM	25	0	1798	1798	1808	1808	19.4	
10	SSBQAM	25	12	1804	1796	1800	1800		
10	SSBQAM	25	25	1809	1798	1803	1803	19.4	
10	SSBQAM	50	0	1803	1799	1802	1802		
Channel									
Frequency (MHz)									
5	QPSK	1	0	2302	2301	2284	2284	24.4	
5	QPSK	1	12	2309	2306	2306	2306		
5	QPSK	1	24	2309	2305	2288	2288	23.4	
5	QPSK	12	0	2218	2211	2201	2201		
5	QPSK	12	7	2213	2209	2200	2200	23.4	
5	QPSK	12	13	2217	2207	2197	2197		
5	QPSK	24	0	2212	2207	2198	2198	23.4	
5	HQDM	1	0	2213	2211	2175	2175		
5	HQDM	1	21	2242	2238	2199	2199	22.4	
5	HQDM	1	24	2247	2230	2208	2208		
5	HQDM	12	0	2124	2116	2100	2100	22.4	
5	HQDM	12	7	2123	2114	2102	2102		
5	HQDM	12	13	2123	2108	2110	2110	22.4	
5	HQDM	25	0	2103	2114	2097	2097		
5	HQDM	1	0	2103	2141	2111	2111	21.4	
5	HQDM	1	12	2125	2147	2116	2116		
5	HQDM	1	24	2126	2108	2109	2109	21.4	
5	HQDM	12	0	2006	2001	2003	2003		
5	HQDM	12	7	1999	2002	2018	2018	19.4	
5	HQDM	12	13	2017	2016	1998	1998		
5	HQDM	25	0	2033	2008	1998	1998	19.4	
5	SSBQAM	1	0	1785	1781	1792	1792		
5	SSBQAM	1	31	1803	1784	1802	1802	19.4	
5	SSBQAM	1	24	1807	1790	1804	1804		
5	SSBQAM	12	0	1802	1794	1802	1802	19.4	
5	SSBQAM	12	7	1803	1798	1804	1804		
5	SSBQAM	12	13	1808	1799	1805	1805	19.4	
5	SSBQAM	25	0	1799	1793	1804	1804		
Channel									
Frequency (MHz)									
3	QPSK	1	0	2305	2306	2290	2290	24.4	
3	QPSK	1	6	2304	2288	2295	2295		
3	QPSK	1	12	2297	2286	2291	2291	23.4	
3	QPSK	6	0	2228	2203	2194	2194		
3	QPSK	6	4	2210	2193	2204	2204	23.4	
3	QPSK	6	7	2215	2201	2192	2192		
3	QPSK	15	0	2216	2204	2196	2196	23.4	
3	HQDM	1	0	2180	2223	2176	2176		
3	HQDM	1	8	2198	2222	2230	2230	22.4	
3	HQDM	1	16	2193	2216	2190	2190		
3	HQDM	8	0	2113	2116	2090	2090	22.4	
3	HQDM	8	4	2125	2107	2100	2100		
3	HQDM	8	9	2128	2102	2111	2111	21.4	
3	HQDM	15	0	2125	2108	2102	2102		
3	HQDM	1	0	2148	2119	2112	2112	21.4	
3	HQDM	1	6	2142	2133	2130	2130		
3	HQDM	1	14	2123	2090	2079	2079	21.4	
3	HQDM	8	0	2015	2014	2008	2008		
3	HQDM	8	4	2015	1998	1978	1978	19.4	
3	HQDM	8	7	2009	2008	1996	1996		
3	HQDM	15	0	2018	1996	1999	1999	19.4	
3	SSBQAM	1	0	1785	1780	1792	1792		
3	SSBQAM	1	8	1794	1784	1790	1790	19.4	
3	SSBQAM	1	16	1797	1786	1795	1795		



Band 71_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (min)			
Channel										
Frequency (MHz)										
20	QPSK	1	0	2377	2378	2383	25			
20	QPSK	1	48	2383	2384	2389				
20	QPSK	1	96	2378	2388	2388				
20	QPSK	60	0	2281	2276	2280	24			
20	QPSK	50	24	2288	2276	2277				
20	QPSK	50	50	2284	2277	2276				
20	QPSK	100	0	2288	2277	2288	24			
20	HQAM	1	0	2278	2280	2282				
20	HQAM	1	48	2319	2283	2280				
20	HQAM	1	96	2322	2322	2330	23			
20	HQAM	50	0	2162	2164	2169				
20	HQAM	50	24	2160	2166	2169				
20	HQAM	50	50	2183	2172	2171	23			
20	HQAM	100	0	2188	2186	2186				
20	HQAM	1	0	2188	2173	2182				
20	HQAM	1	48	2151	2157	2155	22			
20	HQAM	1	96	2233	2188	2197				
20	HQAM	50	0	2083	2087	2083				
20	HQAM	50	24	2090	2073	2071	20			
20	HQAM	50	50	2086	2076	2075				
20	HQAM	100	0	2083	2080	2084				
20	HQAM	1	0	1888	1887	1877	20			
20	HQAM	1	48	1891	1877	1880				
20	HQAM	1	96	1885	1880	1885				
20	HQAM	50	0	1813	1897	1895	20			
20	HQAM	50	24	1807	1895	1894				
20	HQAM	50	50	1834	1888	1884				
20	HQAM	100	0	1803	1890	1885	20			
Channel										
Frequency (MHz)										
15	QPSK	1	0	2379	2376	2384	25			
15	QPSK	1	48	2381	2384	2380				
15	QPSK	1	74	2380	2381	2382				
15	QPSK	36	0	2302	2290	2273	24			
15	QPSK	36	26	2303	2287	2276				
15	QPSK	36	39	2288	2284	2272				
15	QPSK	72	0	2302	2286	2284	24			
15	HQAM	1	0	2308	2304	2309				
15	HQAM	1	37	2370	2325	2328				
15	HQAM	1	74	2308	2307	2311	23			
15	HQAM	36	0	2192	2176	2181				
15	HQAM	36	26	2192	2191	2174				
15	HQAM	36	39	2200	2190	2186	23			
15	HQAM	72	0	2200	2183	2187				
15	HQAM	1	0	2209	2202	2181				
15	HQAM	1	74	2184	2215	2190	22			
15	HQAM	36	0	2036	2036	2039				
15	HQAM	36	26	2103	2086	2084				
15	HQAM	36	39	2036	2089	2075	20			
15	HQAM	72	0	2100	2083	2076				
15	HQAM	1	0	1891	1883	1878				
15	HQAM	1	37	1894	1880	1874	20			
15	HQAM	1	74	1886	1876	1884				
15	HQAM	36	75	1909	1904	1897				
15	HQAM	36	26	1901	1887	1886	20			
15	HQAM	36	39	1896	1888	1876				
15	HQAM	72	0	1902	1898	1885				
Channel										
Frequency (MHz)										
10	QPSK	1	0	2380	2384	2384	25			
10	QPSK	1	25	2389	2388	2383				
10	QPSK	1	49	2381	2372	2386				
10	QPSK	25	0	2285	2280	2281	24			
10	QPSK	25	12	2283	2277	2289				
10	QPSK	25	25	2278	2276	2285				
10	QPSK	60	0	2287	2285	2289	24			
10	HQAM	1	0	2284	2294	2276				
10	HQAM	1	25	2308	2296	2287				
10	HQAM	1	49	2315	2305	2289	23			
10	HQAM	25	0	2200	2311	2306				
10	HQAM	25	12	2182	2181	2170				
10	HQAM	25	25	2187	2170	2169	23			
10	HQAM	50	0	2185	2173	2168				
10	HQAM	1	0	2183	2177	2168				
10	HQAM	1	25	2187	2181	2145	22			
10	HQAM	1	49	2147	2207	2183				
10	HQAM	25	0	2092	2075	2086				
10	HQAM	25	12	2089	2073	2084	20			
10	HQAM	25	25	2089	2076	2086				
10	HQAM	50	0	2090	2075	2087				
10	HQAM	1	0	1887	1884	1877	20			
10	HQAM	1	25	1889	1873	1868				
10	HQAM	1	49	1893	1891	1887				
10	HQAM	25	0	1908	1911	1892	20			
10	HQAM	25	12	1908	1899	1885				
10	HQAM	25	25	1908	1892	1877				
10	HQAM	50	0	1909	1898	1883	20			
Channel										
Frequency (MHz)										
5	QPSK	1	0	2380	2381	2387	25			
5	QPSK	1	12	2381	2377	2380				
5	QPSK	1	24	2379	2382	2347				
5	QPSK	12	0	2282	2278	2285	24			
5	QPSK	12	7	2282	2276	2282				
5	QPSK	12	13	2281	2281	2282				
5	QPSK	24	0	2297	2284	2286	24			
5	HQAM	1	0	2331	2298	2272				
5	HQAM	1	12	2323	2305	2308				
5	HQAM	1	24	2311	2328	2302	23			
5	HQAM	12	0	2203	2182	2182				
5	HQAM	12	13	2199	2176	2143				
5	HQAM	25	0	2197	2182	2181	23			
5	HQAM	1	0	2200	2202	2211				
5	HQAM	1	12	2214	2204	2208				
5	HQAM	1	24	2211	2216	2179	22			
5	HQAM	12	0	2104	2080	2089				
5	HQAM	12	7	2091	2087	2081				
5	HQAM	12	13	2081	2075	2084	20			
5	HQAM	25	0	2082	2079	2081				
5	HQAM	1	0	1902	1892	1879				
5	HQAM	1	12	1907	1896	1877	20			
5	HQAM	1	24	1908	1887	1870				
5	HQAM	12	0	1901	1891	1874				
5	HQAM	12	7	1902	1890	1872	20			
5	HQAM	12	13	1908	1889	1869				
5	HQAM	25	0	1909	1895	1877				



Band 7_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Time-up (sec)	
				Low	Mid	High		
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.		
Frequency (MHz)				2510	2510	2510		
20	QPSK	1	0	2178	2181	2184	22	
	QPSK	1	49	2135	2149	2142		
	QPSK	1	99	2159	2147	2139		
20	QPSK	50	0	2164	2160	2158	22	
	QPSK	50	24	2153	2148	2154		
	QPSK	50	50	2148	2147	2155		
20	HQDM	1	0	2163	2148	2136	22	
	HQDM	1	49	2154	2139	2135		
	HQDM	1	99	2153	2133	2155		
20	HQDM	50	0	2140	2115	2039	22	
	HQDM	50	24	2135	2111	2104		
	HQDM	50	50	2131	2104	2104		
20	HQDM	100	0	2130	2101	2100	22	
	HQDM	100	0	2121	2086	2082		
	HQDM	100	49	2110	2053	2057		
20	HQDM	1	0	2102	2089	2102	21.1	
	HQDM	50	0	2019	1995	1993		
	HQDM	50	24	1998	1992	1984		
20	HQDM	50	50	2011	1987	1988	19.1	
	HQDM	100	0	2008	1983	1979		
	HQDM	100	0	1918	1804	1787		
20	SSBQAM	1	0	1804	1756	1762	19.1	
	SSBQAM	1	49	1830	1750	1833		
	SSBQAM	50	0	1812	1790	1779		
20	SSBQAM	50	24	1728	1765	1765	19.1	
	SSBQAM	50	50	1803	1781	1788		
	SSBQAM	100	0	1809	1788	1780		
Channel				2507.5	2510	2513.5		
Frequency (MHz)				2507.5	2510	2513.5		
15	QPSK	1	0	2180	2154	2137	22	
	QPSK	1	39	2127	2137	2137		
	QPSK	1	74	2157	2132	2134		
15	QPSK	36	0	2154	2148	2157	22	
	QPSK	36	20	2160	2128	2148		
	QPSK	36	39	2143	2132	2183		
15	HQDM	1	0	2141	2133	2138	22	
	HQDM	1	0	2163	2135	2138		
	HQDM	1	37	2147	2130	2131		
15	HQDM	1	74	2140	2114	2145	22	
	HQDM	36	0	2137	2114	2080		
	HQDM	36	39	2115	2034	2085		
15	HQDM	36	39	2124	2091	2085	22	
	HQDM	75	0	2124	2034	2100		
	HQDM	1	0	2098	2092	2078		
15	HQDM	1	0	2103	2074	2082	22	
	HQDM	1	74	2083	2083	2097		
	HQDM	36	0	2026	1993	1979		
15	HQDM	36	20	1989	1973	1988	21.1	
	HQDM	36	39	2021	1987	1987		
	HQDM	75	0	1980	1964	1991		
15	SSBQAM	1	0	1814	1787	1772	19.1	
	SSBQAM	1	37	1783	1779	1783		
	SSBQAM	1	74	1722	1766	1766		
15	SSBQAM	36	0	1806	1774	1760	19.1	
	SSBQAM	36	20	1778	1779	1778		
	SSBQAM	36	39	1785	1771	1775		
15	SSBQAM	75	0	1803	1772	1770	19.1	
	Channel				2500	2100		2100
	Frequency (MHz)				2500	2505		2505
10	QPSK	1	0	2170	2149	2134	22	
	QPSK	1	25	2143	2147	2125		
	QPSK	1	49	2145	2143	2135		
10	QPSK	25	0	2145	2149	2142	22	
	QPSK	25	13	2152	2144	2149		
	QPSK	25	25	2131	2147	2135		
10	HQDM	1	0	2137	2131	2142	22	
	HQDM	1	0	2165	2138	2133		
	HQDM	1	24	2154	2138	2124		
10	HQDM	1	49	2147	2118	2137	22	
	HQDM	25	0	2138	2112	2081		
	HQDM	25	13	2114	2103	2102		
10	HQDM	25	25	2120	2102	2098	22	
	HQDM	50	0	2127	2098	2082		
	HQDM	1	0	2082	2085	2083		
10	HQDM	1	25	2098	2092	2081	22	
	HQDM	1	49	2101	2076	2101		
	HQDM	25	0	2020	1988	1982		
10	HQDM	25	13	1992	1980	1974	21.1	
	HQDM	25	25	1995	1972	1984		
	HQDM	50	0	2008	1972	1970		
10	SSBQAM	1	0	1801	1784	1790	19.1	
	SSBQAM	1	25	1756	1757	1773		
	SSBQAM	1	49	1783	1783	1790		
10	SSBQAM	25	0	1809	1786	1780	19.1	
	SSBQAM	25	13	1759	1785	1780		
	SSBQAM	25	25	1802	1778	1771		
10	SSBQAM	50	0	1791	1779	1780	19.1	
	Channel				2077.5	2100		2102.5
	Frequency (MHz)				2077.5	2075		2077.5
5	QPSK	1	0	2164	2160	2148	22	
	QPSK	1	12	2148	2139	2135		
	QPSK	1	24	2142	2138	2133		
5	QPSK	12	0	2169	2137	2146	22	
	QPSK	12	7	2146	2132	2134		
	QPSK	12	13	2128	2136	2149		
5	HQDM	1	0	2163	2138	2134	22	
	HQDM	1	0	2152	2128	2132		
	HQDM	1	24	2154	2139	2135		
5	HQDM	1	24	2152	2118	2142	22	
	HQDM	12	0	2138	2103	2082		
	HQDM	12	13	2129	2105	2086		
5	HQDM	12	13	2128	2086	2100	22	
	HQDM	25	0	2129	2098	2093		
	HQDM	1	0	2097	2088	2081		
5	HQDM	1	12	2103	2078	2077	22	
	HQDM	1	24	2091	2076	2084		
	HQDM	12	0	2016	1981	1982		
5	HQDM	12	7	1995	1972	1982	21.1	
	HQDM	12	13	2003	1974	1988		
	HQDM	25	0	2033	1959	1974		
5	SSBQAM	1	0	1805	1800	1780	19.1	
	SSBQAM	1	12	1795	1799	1788		
	SSBQAM	1	24	1784	1790	1793		
5	SSBQAM	12	0	1804	1772	1761	19.1	
	SSBQAM	12	7	1775	1769	1780		
	SSBQAM	12	13	1788	1772	1770		
5	SSBQAM	25	0	1791	1786	1777	19.1	





Band 25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low ChU / Freq	Power High ChU / Freq	Power Max ChU / Freq	Time-up (sec)	Time-down (sec)	Time-avg (sec)
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.90	21.90	21.90	23.6		
20	QPSK	1	49	21.91	21.92	21.90			
20	QPSK	1	99	21.93	21.93	21.93			
20	QPSK	50	24	22.30	22.18	22.21			
20	QPSK	50	50	22.27	22.19	22.15			
20	QPSK	100	0	22.27	22.18	22.18			
20	HQDM	1	0	22.07	22.04	22.07	23.6		
20	HQDM	1	49	22.15	22.07	22.14			
20	HQDM	1	99	22.32	22.07	22.21			
20	HQDM	50	0	21.31	21.23	21.13			
20	HQDM	50	25	21.37	21.28	21.18			
20	HQDM	50	50	21.34	21.24	21.24			
20	HQDM	100	0	21.24	21.15	21.21			
20	HQDM	1	0	21.41	21.44	21.50	22.6		
20	HQDM	1	49	21.17	21.13	21.10			
20	HQDM	1	99	21.42	21.27	20.89			
20	HQDM	50	0	20.32	20.18	20.18			
20	HQDM	50	24	20.28	20.27	20.29			
20	HQDM	50	50	20.20	20.12	20.18			
20	HQDM	100	0	20.20	20.17	20.28			
20	SSBQAM	1	0	18.15	18.15	18.15	19.6		
20	SSBQAM	1	49	18.02	18.10	18.08			
20	SSBQAM	1	99	18.15	18.08	18.08			
20	SSBQAM	50	0	18.36	18.22	18.24			
20	SSBQAM	50	25	18.28	18.22	18.28			
20	SSBQAM	50	50	18.35	18.24	18.22			
20	SSBQAM	100	0	18.38	18.21	18.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.22	23.17	23.13	23.6		
15	QPSK	1	39	23.22	22.98	23.12			
15	QPSK	1	74	23.21	23.08	22.96			
15	QPSK	36	0	22.33	22.27	22.18			
15	QPSK	36	20	22.28	22.21	22.28			
15	QPSK	36	36	22.33	22.22	22.28			
15	QPSK	72	0	22.29	22.20	22.14			
15	QPSK	1	0	22.71	22.68	22.63	23.6		
15	HQDM	1	37	22.59	22.72	22.51			
15	HQDM	1	74	22.65	22.53	22.58			
15	HQDM	36	0	21.36	21.30	21.32			
15	HQDM	36	20	21.33	21.29	21.28			
15	HQDM	36	36	21.28	21.16	21.26			
15	HQDM	72	0	21.27	21.27	21.20			
15	HQDM	1	0	21.53	21.31	21.58	22.6		
15	HQDM	1	39	21.51	21.34	21.27			
15	HQDM	1	74	21.48	21.10	20.95			
15	HQDM	36	0	20.33	20.31	20.16			
15	HQDM	36	20	20.28	20.29	20.28			
15	HQDM	36	36	20.42	20.29	20.23			
15	HQDM	72	0	20.30	20.16	20.16			
15	SSBQAM	1	0	18.31	18.21	18.14	19.6		
15	SSBQAM	1	37	18.21	18.03	18.20			
15	SSBQAM	1	74	18.17	18.06	18.06			
15	SSBQAM	36	0	18.31	18.17	18.18			
15	SSBQAM	36	20	18.33	18.13	18.20			
15	SSBQAM	36	36	18.30	18.14	18.26			
15	SSBQAM	72	0	18.29	18.17	18.16			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.16	23.22	23.18	23.6		
10	QPSK	1	25	22.97	23.04	23.09			
10	QPSK	1	49	23.17	23.21	23.08			
10	QPSK	25	0	22.32	22.30	22.22			
10	QPSK	25	12	22.28	22.22	22.09			
10	QPSK	25	25	22.32	22.18	22.13			
10	QPSK	50	0	22.28	22.19	22.12			
10	HQDM	1	0	22.47	22.31	22.46	23.6		
10	HQDM	1	24	22.40	22.78	22.62			
10	HQDM	1	48	22.72	22.41	22.33			
10	HQDM	25	0	21.32	21.10	21.21			
10	HQDM	25	12	21.30	21.10	21.19			
10	HQDM	25	25	21.30	21.17	21.27			
10	HQDM	50	0	21.34	21.15	21.24			
10	HQDM	1	0	21.18	21.51	21.15			
10	HQDM	1	25	21.63	21.06	21.03			
10	HQDM	1	49	21.68	21.22	21.38			
10	HQDM	25	0	20.34	20.27	20.17			
10	HQDM	25	12	20.34	20.27	20.21			
10	HQDM	25	25	20.36	20.21	20.26			
10	HQDM	50	0	20.30	20.25	20.20			
10	SSBQAM	1	0	18.21	18.14	18.14	19.6		
10	SSBQAM	1	24	18.20	17.97	18.20			
10	SSBQAM	1	49	18.08	17.97	18.01			
10	SSBQAM	25	0	18.33	18.07	18.15			
10	SSBQAM	25	12	18.27	18.05	18.11			
10	SSBQAM	25	25	18.22	18.08	18.16			
10	SSBQAM	50	0	18.27	18.08	18.08			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.12	23.12	23.15	23.6		
5	QPSK	1	12	23.20	23.22	23.05			
5	QPSK	1	24	23.21	23.15	23.01			
5	QPSK	12	0	22.27	22.14	22.09			
5	QPSK	12	7	22.35	22.22	22.19			
5	QPSK	12	13	22.34	22.21	22.16			
5	QPSK	24	0	22.24	22.11	22.10			
5	HQDM	1	0	22.62	22.71	22.31	23.6		
5	HQDM	1	12	22.55	22.56	22.47			
5	HQDM	1	24	22.58	22.33	22.20			
5	HQDM	12	0	21.29	21.27	21.29			
5	HQDM	12	7	21.45	21.25	21.30			
5	HQDM	12	13	21.40	21.17	21.19			
5	HQDM	24	0	21.21	21.28	21.15			
5	HQDM	1	0	21.35	21.03	21.19			
5	HQDM	1	12	21.23	21.84	21.80			
5	HQDM	1	24	21.87	21.27	21.26			
5	HQDM	12	0	20.29	20.07	20.23			
5	HQDM	12	7	20.26	20.31	20.20			
5	HQDM	12	13	20.34	20.08	20.25			
5	HQDM	24	0	20.32	20.18	20.12			
5	SSBQAM	1	0	18.38	18.13	18.14	19.6		
5	SSBQAM	1	12	18.19	17.88	18.20			
5	SSBQAM	1	24	18.01	17.97	17.99			
5	SSBQAM	12	0	18.15	18.02	18.15			
5	SSBQAM	12	7	18.18	17.98	18.10			
5	SSBQAM	12	13	18.21	18.08	18.06			
5	SSBQAM	24	0	18.17	18.02	17.96			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.18	23.13	23.08	23.6		
3	QPSK	1	6	23.18	23.01	23.05			
3	QPSK	1	12	23.22	23.19	23.07			
3	QPSK	8	0	22.23	22.14	22.12			
3	QPSK	8	4	22.24	22.07	22.05			
3	QPSK	8	7	22.25	22.12	22.04			
3	QPSK	16	0	22.21	22.16	22.05			
3	HQDM	1	0	22.36	22.31	22.47	23.6		
3	HQDM	1	8	22.39	22.51	22.16			
3	HQDM	1	16	22.41	22.31	22.34			
3	HQDM	8	0	21.38	21.24	21.24			
3	HQDM	8	4	21.22	21.28	21.13			
3	HQDM	8	7	21.55	21.03	21.15			
3	HQDM	16	0	21.28	21.17	20.84			
3	HQDM	1	0	21.43	21.25	21.23			
3	HQDM	1	6	21.78	20.85	21.10			
3	HQDM	1	12	21.28	21.46	21.25			
3	HQDM	8	0	20.07	20.07	20.21			
3	HQDM	8	4	20.24	20.10	20.11			
3	HQDM	8	7	20.24	20.30	20.19			
3	HQDM	16	0	20.37	20.17	20.08			
3	SSBQAM	1	0	18.33	18.18	18.07	19.6		
3	SSBQAM	1	6	18.13	17.80	18.16			
3	SSBQAM	1	12	17.98	17.93	17.98			
3	SSBQAM	8	0	18.15	17.92	18.10			
3	SSBQAM	8	4	18.08	17.87				



Band 7_Ant 0								
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mide Ch. Freq.	Power High Ch. Freq.	Time-up limit [sec]	
Channel								
Frequency (MHz)				2510	2510	2580		
20	QPSK	1	0	2178	2181	2184	23.2	
20	QPSK	1	49	2135	2149	2142		
20	QPSK	1	99	2159	2147	2139		
20	QPSK	50	0	2184	2180	2184	23.1	
20	QPSK	50	24	2153	2148	2154		
20	QPSK	50	50	2148	2147	2155		
20	HQDM	1	0	2183	2183	2183	23.1	
20	HQDM	1	49	2154	2139	2135		
20	HQDM	1	99	2153	2133	2155		
20	HQDM	50	0	2140	2115	2099	22.1	
20	HQDM	50	24	2135	2111	2104		
20	HQDM	50	50	2131	2104	2104		
20	HQDM	100	0	2130	2101	2100	22.1	
20	HQDM	100	49	2101	2096	2092		
20	HQDM	100	99	2110	2093	2097		
20	HQDM	1	0	2102	2089	2102	21.1	
20	HQDM	50	0	2019	1995	1993		
20	HQDM	50	24	1998	1992	1984		
20	HQDM	50	50	2011	1987	1988	19.1	
20	HQDM	100	0	2008	1993	1979		
20	HQDM	100	49	1988	1979	1982		
20	SSBQAM	1	0	1818	1804	1787	19.1	
20	SSBQAM	1	49	1800	1790	1782		
20	SSBQAM	1	99	1820	1790	1803		
20	SSBQAM	50	0	1812	1790	1779	19.1	
20	SSBQAM	50	24	1788	1785	1782		
20	SSBQAM	50	50	1803	1781	1788		
20	SSBQAM	100	0	1809	1788	1780	19.1	
Channel								
Frequency (MHz)				2507.5	2505	2582.5		
15	QPSK	1	0	2180	2154	2137	23.2	
15	QPSK	1	39	2157	2137	2137		
15	QPSK	1	74	2157	2132	2134		
15	QPSK	36	0	2154	2148	2157	23.1	
15	QPSK	36	20	2160	2128	2148		
15	QPSK	36	39	2143	2132	2183		
15	QPSK	72	0	2141	2133	2138	23.1	
15	HQDM	1	0	2163	2135	2138		
15	HQDM	1	39	2147	2130	2131		
15	HQDM	1	74	2140	2114	2145	22.1	
15	HQDM	36	0	2137	2114	2080		
15	HQDM	36	20	2115	2094	2085		
15	HQDM	36	39	2124	2091	2095	22.1	
15	HQDM	72	0	2124	2094	2100		
15	HQDM	1	0	2098	2092	2078		
15	HQDM	1	39	2103	2074	2082	21.1	
15	HQDM	1	74	2083	2083	2097		
15	HQDM	36	0	2096	1993	1979		
15	HQDM	36	20	1999	1973	1988	19.1	
15	HQDM	36	39	2021	1987	1987		
15	HQDM	72	0	1980	1984	1991		
15	SSBQAM	1	0	1814	1787	1772	19.1	
15	SSBQAM	1	39	1783	1779	1783		
15	SSBQAM	1	74	1782	1786	1780		
15	SSBQAM	36	0	1806	1774	1760	19.1	
15	SSBQAM	36	20	1778	1779	1778		
15	SSBQAM	36	39	1785	1771	1775		
15	SSBQAM	72	0	1803	1772	1770	19.1	
Channel								
Frequency (MHz)				2500	2100	2100		
Channel								
Frequency (MHz)				2505	2505	2585		
10	QPSK	1	0	2170	2149	2134	23.2	
10	QPSK	1	25	2143	2147	2125		
10	QPSK	1	49	2141	2143	2130		
10	QPSK	25	0	2145	2149	2142	23.1	
10	QPSK	25	13	2152	2144	2149		
10	QPSK	25	26	2131	2147	2135		
10	QPSK	50	0	2137	2131	2142	23.1	
10	HQDM	1	0	2185	2138	2133		
10	HQDM	1	24	2154	2138	2124		
10	HQDM	1	49	2147	2118	2137	22.1	
10	HQDM	25	0	2138	2112	2081		
10	HQDM	25	13	2114	2109	2102		
10	HQDM	25	26	2120	2102	2098	22.1	
10	HQDM	50	0	2127	2098	2082		
10	HQDM	1	0	2082	2085	2083		
10	HQDM	1	25	2098	2092	2081	21.1	
10	HQDM	1	49	2101	2076	2101		
10	HQDM	25	0	2090	1988	1982		
10	HQDM	25	13	1992	1980	1974	21.1	
10	HQDM	25	26	1995	1972	1984		
10	HQDM	50	0	2098	1972	1970		
10	SSBQAM	1	0	1801	1804	1790	19.1	
10	SSBQAM	1	25	1796	1797	1773		
10	SSBQAM	1	49	1783	1783	1790		
10	SSBQAM	25	0	1809	1786	1780	19.1	
10	SSBQAM	25	13	1789	1785	1780		
10	SSBQAM	25	26	1802	1778	1771		
10	SSBQAM	50	0	1791	1779	1780	19.1	
Channel								
Frequency (MHz)				2077.5	2100	2182.5		
5	QPSK	1	0	2184	2180	2184	23.2	
5	QPSK	1	14	2148	2139	2135		
5	QPSK	1	28	2142	2138	2133		
5	QPSK	15	0	2109	2107	2146	23.1	
5	QPSK	12	7	2146	2132	2134		
5	QPSK	12	13	2128	2136	2149		
5	HQDM	1	0	2152	2128	2132	23.1	
5	HQDM	1	14	2154	2139	2135		
5	HQDM	1	28	2152	2118	2142		
5	HQDM	15	0	2138	2103	2082	22.1	
5	HQDM	15	7	2129	2105	2096		
5	HQDM	12	14	2128	2086	2100		
5	HQDM	25	0	2129	2098	2093	22.1	
5	HQDM	1	0	2097	2088	2081		
5	HQDM	1	14	2103	2078	2077		
5	HQDM	1	28	2091	2076	2084	21.1	
5	HQDM	15	0	2019	1981	1982		
5	HQDM	12	7	1995	1972	1982		
5	HQDM	12	13	2003	1974	1988	19.1	
5	HQDM	25	0	2003	1959	1974		
5	SSBQAM	1	0	1805	1800	1780		
5	SSBQAM	1	14	1795	1799	1788	19.1	
5	SSBQAM	1	28	1784	1790	1793		
5	SSBQAM	15	0	1804	1772	1761		
5	SSBQAM	15	7	1775	1769	1780	19.1	
5	SSBQAM	12	14	1788	1772	1770		
5	SSBQAM	25	0	1791	1786	1777		



Band 25_Ant 0										
RB (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.	Turn-up (dBm)
Channel										
Frequency (MHz)										
20	QPSK	1	0	2124	2130	2124	2130	2124	2130	24.6
20	QPSK	1	46	2124	2130	2124	2130	2124	2130	
20	QPSK	1	92	2124	2130	2124	2130	2124	2130	
20	QPSK	56	0	2124	2130	2124	2130	2124	2130	
20	QPSK	56	24	2124	2130	2124	2130	2124	2130	23.8
20	QPSK	56	50	2124	2130	2124	2130	2124	2130	
20	QPSK	1000	0	2124	2130	2124	2130	2124	2130	
20	HQDM	1	0	2124	2130	2124	2130	2124	2130	23.8
20	HQDM	1	46	2124	2130	2124	2130	2124	2130	
20	HQDM	1	92	2124	2130	2124	2130	2124	2130	
20	HQDM	56	0	2124	2130	2124	2130	2124	2130	22.6
20	HQDM	56	24	2124	2130	2124	2130	2124	2130	
20	HQDM	56	50	2124	2130	2124	2130	2124	2130	
20	HQDM	1000	0	2124	2130	2124	2130	2124	2130	22.6
20	HQDM	1000	0	2124	2130	2124	2130	2124	2130	
20	HQDM	1	46	2124	2130	2124	2130	2124	2130	22.6
20	HQDM	1	92	2124	2130	2124	2130	2124	2130	
20	HQDM	56	0	2124	2130	2124	2130	2124	2130	21.6
20	HQDM	56	24	2124	2130	2124	2130	2124	2130	
20	HQDM	56	50	2124	2130	2124	2130	2124	2130	
20	HQDM	1000	0	2124	2130	2124	2130	2124	2130	21.6
20	HQDM	1000	0	2124	2130	2124	2130	2124	2130	
20	25QAM	1	0	1815	1815	1815	1815	1815	1815	19.6
20	25QAM	1	46	1820	1810	1820	1810	1820	1810	
20	25QAM	1	92	1815	1815	1815	1815	1815	1815	
20	25QAM	56	0	1815	1815	1815	1815	1815	1815	
20	25QAM	56	24	1815	1815	1815	1815	1815	1815	19.6
20	25QAM	56	50	1815	1815	1815	1815	1815	1815	
20	25QAM	1000	0	1815	1815	1815	1815	1815	1815	
Channel										
Frequency (MHz)										
15	QPSK	1	0	2122	2117	2122	2117	2122	2117	24.6
15	QPSK	1	31	2122	2117	2122	2117	2122	2117	
15	QPSK	1	74	2122	2117	2122	2117	2122	2117	
15	QPSK	36	0	2122	2117	2122	2117	2122	2117	23.6
15	QPSK	36	20	2122	2117	2122	2117	2122	2117	
15	QPSK	36	39	2122	2117	2122	2117	2122	2117	
15	QPSK	75	0	2122	2117	2122	2117	2122	2117	23.6
15	HQDM	1	0	2121	2116	2121	2116	2121	2116	
15	HQDM	1	37	2121	2116	2121	2116	2121	2116	23.6
15	HQDM	1	74	2121	2116	2121	2116	2121	2116	
15	HQDM	36	0	2121	2116	2121	2116	2121	2116	22.6
15	HQDM	36	20	2121	2116	2121	2116	2121	2116	
15	HQDM	36	39	2121	2116	2121	2116	2121	2116	
15	HQDM	75	0	2121	2116	2121	2116	2121	2116	22.6
15	HQDM	1	37	2121	2116	2121	2116	2121	2116	22.6
15	HQDM	1	74	2121	2116	2121	2116	2121	2116	
15	HQDM	36	0	2033	2031	2033	2031	2033	2031	21.6
15	HQDM	36	20	2033	2031	2033	2031	2033	2031	
15	HQDM	36	39	2033	2031	2033	2031	2033	2031	
15	HQDM	75	0	2033	2031	2033	2031	2033	2031	21.6
15	HQDM	1	0	1821	1813	1821	1813	1821	1813	19.6
15	25QAM	1	37	1821	1813	1821	1813	1821	1813	
15	25QAM	1	74	1821	1813	1821	1813	1821	1813	
15	25QAM	36	0	1821	1813	1821	1813	1821	1813	19.6
15	25QAM	36	20	1821	1813	1821	1813	1821	1813	
15	25QAM	36	39	1821	1813	1821	1813	1821	1813	
15	25QAM	75	0	1821	1813	1821	1813	1821	1813	19.6
Channel										
Frequency (MHz)										
10	QPSK	1	0	2118	2112	2118	2112	2118	2112	24.6
10	QPSK	1	25	2118	2112	2118	2112	2118	2112	
10	QPSK	1	46	2118	2112	2118	2112	2118	2112	
10	QPSK	25	0	2118	2112	2118	2112	2118	2112	23.6
10	QPSK	25	12	2118	2112	2118	2112	2118	2112	
10	QPSK	25	24	2118	2112	2118	2112	2118	2112	
10	QPSK	50	0	2118	2112	2118	2112	2118	2112	23.6
10	HQDM	1	0	2117	2111	2117	2111	2117	2111	
10	HQDM	1	24	2117	2111	2117	2111	2117	2111	23.6
10	HQDM	1	49	2117	2111	2117	2111	2117	2111	
10	HQDM	24	0	2117	2111	2117	2111	2117	2111	22.6
10	HQDM	24	12	2117	2111	2117	2111	2117	2111	
10	HQDM	24	24	2117	2111	2117	2111	2117	2111	
10	HQDM	25	12	2117	2111	2117	2111	2117	2111	22.6
10	HQDM	25	24	2117	2111	2117	2111	2117	2111	
10	HQDM	50	0	2117	2111	2117	2111	2117	2111	21.6
10	HQDM	50	12	2117	2111	2117	2111	2117	2111	
10	HQDM	50	24	2117	2111	2117	2111	2117	2111	
10	25QAM	1	49	1806	1797	1806	1797	1806	1797	19.6
10	25QAM	25	0	1803	1807	1803	1807	1803	1807	
10	25QAM	25	12	1803	1807	1803	1807	1803	1807	
10	25QAM	25	24	1803	1807	1803	1807	1803	1807	19.6
10	25QAM	50	0	1803	1807	1803	1807	1803	1807	
Channel										
Frequency (MHz)										
5	QPSK	1	0	2122	2112	2122	2112	2122	2112	24.6
5	QPSK	1	12	2122	2112	2122	2112	2122	2112	
5	QPSK	1	24	2122	2112	2122	2112	2122	2112	
5	QPSK	12	0	2122	2112	2122	2112	2122	2112	23.6
5	QPSK	12	6	2122	2112	2122	2112	2122	2112	
5	QPSK	12	12	2122	2112	2122	2112	2122	2112	
5	QPSK	24	0	2122	2112	2122	2112	2122	2112	23.6
5	HQDM	1	0	2121	2111	2121	2111	2121	2111	
5	HQDM	1	12	2121	2111	2121	2111	2121	2111	23.6
5	HQDM	1	24	2121	2111	2121	2111	2121	2111	
5	HQDM	12	0	2121	2111	2121	2111	2121	2111	22.6
5	HQDM	12	6	2121	2111	2121	2111	2121	2111	
5	HQDM	12	12	2121	2111	2121	2111	2121	2111	
5	HQDM	24	0	2121	2111	2121	2111	2121	2111	21.6
5	HQDM	24	12	2121	2111	2121	2111	2121	2111	
5	HQDM	24	24	2121	2111	2121	2111	2121	2111	
5	25QAM	1	0	1813	1813	1813	1813	1813	1813	19.6
5	25QAM	1	24	1801	1797	1801	1797	1801	1797	
5	25QAM	12	0	1815	1802	1815	1802	1815	1802	19.6
5	25QAM	12	6	1815	1802	1815	1802	1815	1802	
5	25QAM	12	12	1815	1802	1815	1802	1815	1802	
5	25QAM	24	0	1815	1802	1815	1802	1815	1802	19.6
Channel										
Frequency (MHz)										
3	QPSK	1	0	2116	2113	2116	2113	2116	2113	24.6
3	QPSK	1	8	2116	2113	2116	2113	2116	2113	
3	QPSK	1	14	2116	2113	2116	2113	2116	2113	
3	QPSK	8	0	2116	2113	2116	2113	2116	2113	23.6
3	QPSK	8	4	2116	2113	2116	2113	2116	2113	
3	QPSK	8	7	2116	2113	2116	2113	2116	2113	
3	QPSK	15	0	2116	2113	2116	2113	2116	2113	23.6
3	HQDM	1	0	2115	2111	2115	2111	2115	2111	
3	HQDM	1	8	2115	2111	2115	2111	2115	2111	23.6
3	HQDM	1	14	2115	2111	2115	2111	2115	2111	
3	HQDM	8	0	2115	2111	2115	2111	2115	2111	22.6
3	HQDM	8	4							



Band 7_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Time-up limit (sec)
				Low	Mid	High	
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	
Frequency (MHz)				2510	2510	2510	
20	QPSK	1	0	2178	2181	2184	23.2
	QPSK	1	49	2133	2149	2142	
	QPSK	1	99	2159	2147	2139	
20	QPSK	50	0	2144	2144	2144	23.1
	QPSK	50	24	2153	2148	2154	
	QPSK	50	50	2148	2147	2155	
20	HQDM	1	0	2183	2183	2183	23.1
	HQDM	1	49	2154	2139	2135	
	HQDM	1	99	2153	2133	2155	
20	HQDM	50	0	2140	2115	2039	22.1
	HQDM	50	24	2155	2111	2104	
	HQDM	50	50	2131	2104	2104	
20	HQDM	100	0	2130	2101	2100	22.1
	HQDM	100	0	2121	2086	2082	
	HQDM	100	49	2110	2053	2057	
20	HQDM	1	0	2102	2089	2102	21.1
	HQDM	1	49	2102	2089	2102	
	HQDM	1	99	2102	2089	2102	
20	HQDM	50	0	2018	1995	1993	19.1
	HQDM	50	24	1998	1992	1984	
	HQDM	50	50	2011	1987	1988	
20	SSBQAM	1	0	1818	1804	1787	19.1
	SSBQAM	1	49	1828	1756	1782	
	SSBQAM	1	99	1830	1750	1803	
20	SSBQAM	50	0	1812	1790	1779	19.1
	SSBQAM	50	24	1728	1785	1782	
	SSBQAM	50	50	1803	1781	1788	
20	SSBQAM	100	0	1809	1788	1780	19.1
	Channel			2007.5	2103	2113	
	Frequency (MHz)			2007.5	2035	2042.5	
15	QPSK	1	0	2180	2154	2137	23.2
	QPSK	1	39	2127	2137	2137	
	QPSK	1	74	2137	2132	2134	
15	QPSK	36	0	2154	2148	2157	23.1
	QPSK	36	20	2160	2128	2148	
	QPSK	36	39	2143	2132	2183	
15	HQDM	1	0	2141	2133	2138	23.1
	HQDM	1	0	2163	2135	2138	
	HQDM	1	37	2147	2130	2131	
15	HQDM	1	74	2140	2114	2145	22.1
	HQDM	36	0	2137	2114	2080	
	HQDM	36	39	2115	2034	2085	
15	HQDM	36	39	2124	2091	2085	22.1
	HQDM	75	0	2124	2034	2100	
	HQDM	1	0	2098	2092	2078	
15	HQDM	1	0	2103	2074	2082	22.1
	HQDM	1	74	2083	2083	2097	
	HQDM	36	0	2026	1993	1970	
15	HQDM	36	20	1989	1973	1988	21.1
	HQDM	36	39	2021	1987	1987	
	HQDM	75	0	1980	1984	1991	
15	SSBQAM	1	0	1814	1787	1772	19.1
	SSBQAM	1	37	1783	1779	1783	
	SSBQAM	1	74	1782	1786	1786	
15	SSBQAM	36	0	1806	1774	1760	19.1
	SSBQAM	36	20	1778	1779	1778	
	SSBQAM	36	39	1785	1771	1753	
15	SSBQAM	75	0	1803	1772	1770	19.1
	Channel			2000	2100	2100	
	Frequency (MHz)			2000	2005	2005	
10	QPSK	1	0	2170	2149	2134	23.2
	QPSK	1	25	2143	2147	2125	
	QPSK	1	49	2141	2143	2135	
10	QPSK	25	0	2145	2149	2142	23.1
	QPSK	25	13	2152	2144	2149	
	QPSK	25	25	2131	2147	2135	
10	HQDM	1	0	2137	2131	2142	23.1
	HQDM	1	0	2165	2138	2133	
	HQDM	1	24	2154	2138	2124	
10	HQDM	1	49	2147	2118	2137	22.1
	HQDM	25	0	2138	2112	2081	
	HQDM	25	13	2114	2103	2102	
10	HQDM	25	25	2120	2102	2098	22.1
	HQDM	50	0	2127	2098	2082	
	HQDM	1	0	2082	2085	2083	
10	HQDM	1	25	2098	2092	2081	21.1
	HQDM	1	49	2101	2076	2101	
	HQDM	25	0	2020	1988	1982	
10	HQDM	25	13	1992	1990	1974	21.1
	HQDM	25	25	1995	1972	1984	
	HQDM	50	0	2008	1972	1970	
10	SSBQAM	1	0	1801	1784	1790	19.1
	SSBQAM	1	25	1756	1757	1773	
	SSBQAM	1	49	1783	1783	1790	
10	SSBQAM	25	0	1809	1786	1780	19.1
	SSBQAM	25	13	1759	1785	1780	
	SSBQAM	25	25	1802	1778	1771	
10	SSBQAM	50	0	1791	1779	1780	19.1
	Channel			2077.5	2100	2102.5	
	Frequency (MHz)			2077.5	2075	2077.5	
5	QPSK	1	0	2144	2140	2146	23.2
	QPSK	1	14	2148	2139	2135	
	QPSK	1	28	2142	2138	2133	
5	QPSK	15	0	2149	2137	2146	23.1
	QPSK	12	7	2146	2132	2134	
	QPSK	12	13	2128	2136	2149	
5	HQDM	1	0	2143	2124	2124	23.1
	HQDM	1	0	2152	2128	2132	
	HQDM	1	21	2154	2139	2135	
5	HQDM	1	24	2152	2118	2142	22.1
	HQDM	15	0	2138	2103	2082	
	HQDM	15	7	2129	2105	2086	
5	HQDM	12	13	2128	2086	2100	22.1
	HQDM	25	0	2129	2098	2093	
	HQDM	1	0	2097	2088	2081	
5	HQDM	1	14	2103	2078	2077	22.1
	HQDM	1	28	2091	2076	2084	
	HQDM	15	0	2016	1981	1982	
5	HQDM	12	7	1995	1972	1982	21.1
	HQDM	12	13	2003	1974	1988	
	HQDM	25	0	2003	1959	1974	
5	SSBQAM	1	0	1805	1800	1780	19.1
	SSBQAM	1	13	1795	1799	1788	
	SSBQAM	1	24	1784	1790	1793	
5	SSBQAM	12	0	1804	1772	1761	19.1
	SSBQAM	12	7	1775	1769	1780	
	SSBQAM	12	13	1788	1772	1770	
5	SSBQAM	25	0	1791	1786	1777	19.1



Band 25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low ChU Freq	Power High ChU Freq	Power Max ChU Freq	Time-up (sec)	Time-down (sec)	Time-avg (sec)
Channel									
Frequency (MHz)									
20	QPSK	1	0	2190	2190	2190	23.6		
20	QPSK	1	49	2131	2132	2130			
20	QPSK	1	99	2071	2073	2073			
20	QPSK	50	0	2231	2238	2230			
20	QPSK	50	24	2230	2218	2221			
20	QPSK	50	50	2227	2219	2215			
20	QPSK	100	0	2227	2218	2218			
20	HQDM	1	0	2207	2204	2207	23.6		
20	HQDM	1	49	2215	2237	2214			
20	HQDM	1	99	2232	2207	2221			
20	HQDM	50	0	2131	2123	2113			
20	HQDM	50	24	2131	2128	2118			
20	HQDM	50	50	2134	2124	2124			
20	HQDM	100	0	2124	2115	2121			
20	HQDM	1	0	2141	2144	2130			
20	HQDM	1	49	2117	2113	2110			
20	HQDM	1	99	2142	2127	2089			
20	HQDM	50	0	2033	2018	2018			
20	HQDM	50	24	2028	2027	2029			
20	HQDM	50	50	2020	2012	2018			
20	HQDM	100	0	2020	2017	2020			
20	SSBQAM	1	0	1815	1815	1815	19.6		
20	SSBQAM	1	49	1822	1810	1808			
20	SSBQAM	1	99	1815	1808	1808			
20	SSBQAM	50	0	1836	1822	1824			
20	SSBQAM	50	24	1828	1822	1820			
20	SSBQAM	50	50	1835	1824	1822			
20	SSBQAM	100	0	1836	1821	1825			
Channel									
Frequency (MHz)									
15	QPSK	1	0	2322	2317	2313	23.6		
15	QPSK	1	39	2322	2298	2312			
15	QPSK	1	74	2321	2308	2296			
15	QPSK	36	0	2233	2227	2218			
15	QPSK	36	20	2228	2221	2220			
15	QPSK	36	39	2233	2222	2220			
15	QPSK	72	0	2239	2220	2214			
15	QPSK	72	0	2271	2268	2233			
15	HQDM	1	39	2259	2272	2251	23.6		
15	HQDM	1	74	2265	2233	2208			
15	HQDM	36	0	2136	2130	2132			
15	HQDM	36	20	2133	2129	2126			
15	HQDM	36	39	2128	2116	2120			
15	HQDM	72	0	2127	2127	2120			
15	HQDM	1	0	2153	2131	2156			
15	HQDM	1	39	2151	2134	2127			
15	HQDM	1	74	2146	2110	2095			
15	HQDM	36	0	2033	2031	2016			
15	HQDM	36	20	2028	2020	2020			
15	HQDM	36	39	2042	2029	2023			
15	HQDM	72	0	2030	2016	2016			
15	SSBQAM	1	0	1831	1821	1814	19.6		
15	SSBQAM	1	39	1821	1803	1820			
15	SSBQAM	1	74	1821	1806	1806			
15	SSBQAM	36	0	1831	1817	1818			
15	SSBQAM	36	20	1833	1813	1820			
15	SSBQAM	36	39	1830	1814	1820			
15	SSBQAM	72	0	1820	1817	1816			
Channel									
Frequency (MHz)									
10	QPSK	1	0	2316	2322	2318	23.6		
10	QPSK	1	25	2297	2304	2309			
10	QPSK	1	49	2317	2321	2308			
10	QPSK	25	0	2232	2230	2222			
10	QPSK	25	12	2228	2222	2220			
10	QPSK	25	25	2232	2218	2213			
10	QPSK	50	0	2228	2219	2212			
10	HQDM	1	0	2247	2231	2246	23.6		
10	HQDM	1	24	2230	2278	2242			
10	HQDM	1	49	2272	2241	2233			
10	HQDM	25	0	2132	2110	2121			
10	HQDM	25	12	2130	2110	2119			
10	HQDM	25	25	2130	2117	2127			
10	HQDM	50	0	2134	2115	2124			
10	HQDM	1	0	2118	2151	2115			
10	HQDM	1	25	2163	2106	2103			
10	HQDM	1	49	2126	2122	2130			
10	HQDM	25	0	2034	2027	2017			
10	HQDM	25	12	2034	2027	2021			
10	HQDM	25	25	2035	2021	2020			
10	HQDM	50	0	2030	2025	2020			
10	SSBQAM	1	0	1821	1814	1814	19.6		
10	SSBQAM	1	25	1820	1797	1801			
10	SSBQAM	25	0	1820	1807	1815			
10	SSBQAM	25	12	1822	1805	1811			
10	SSBQAM	25	25	1822	1808	1816			
10	SSBQAM	50	0	1827	1808	1808			
Channel									
Frequency (MHz)									
5	QPSK	1	0	2312	2312	2315	23.6		
5	QPSK	1	12	2320	2322	2305			
5	QPSK	1	24	2321	2315	2301			
5	QPSK	12	0	2227	2214	2220			
5	QPSK	12	7	2235	2222	2219			
5	QPSK	12	13	2234	2221	2216			
5	QPSK	24	0	2224	2221	2219			
5	HQDM	1	0	2262	2271	2231	23.6		
5	HQDM	1	12	2235	2256	2247			
5	HQDM	1	24	2238	2233	2220			
5	HQDM	12	0	2129	2127	2129			
5	HQDM	12	7	2145	2125	2130			
5	HQDM	12	13	2140	2117	2119			
5	HQDM	24	0	2121	2128	2115			
5	HQDM	1	0	2130	2133	2119			
5	HQDM	1	12	2123	2184	2180			
5	HQDM	1	24	2127	2127	2126			
5	HQDM	12	0	2029	2037	2023			
5	HQDM	12	7	2029	2031	2020			
5	HQDM	12	13	2034	2026	2020			
5	HQDM	24	0	2032	2018	2012			
5	SSBQAM	1	0	1836	1813	1814	19.6		
5	SSBQAM	1	12	1819	1788	1820			
5	SSBQAM	1	24	1821	1797	1799			
5	SSBQAM	12	0	1815	1802	1815			
5	SSBQAM	12	7	1818	1798	1810			
5	SSBQAM	12	13	1821	1808	1806			
5	SSBQAM	24	0	1817	1802	1796			
Channel									
Frequency (MHz)									
3	QPSK	1	0	2318	2313	2308	23.6		
3	QPSK	1	6	2318	2301	2305			
3	QPSK	1	12	2322	2319	2307			
3	QPSK	6	0	2223	2214	2212			
3	QPSK	6	4	2224	2207	2205			
3	QPSK	6	7	2225	2212	2204			
3	QPSK	12	0	2221	2216	2205			
3	HQDM	1	0	2236	2231	2247	23.6		
3	HQDM	1	6	2239	2251	2216			
3	HQDM	1	12	2241	2231	2234			
3	HQDM	6	0	2128	2124	2124			
3	HQDM	6	4	2122	2128	2113			
3	HQDM	6	9	2125	2133	2115			
3	HQDM	12	0	2128	2117	2084			
3	HQDM	1	0	2143	2125	2123			
3	HQDM	1	6	2178	2085	2110			
3	HQDM	1	12	2128	2146	2125			
3	HQDM	6	0	2027	2027	2021			
3	HQDM	6	4	2024	2010	2011			
3	HQDM	6	7	2024	2030	2019			
3	HQDM	12	0	2037	2017	2008			
3	SSBQAM	1	0	1833	1818	1807	19.6		
3	SSBQAM	1	6	1813	1780	1816			
3	SSBQAM	1	12	1826	1793	1798			
3	SSBQAM	6	0	1815	1792	1810			
3	SSBQAM	6	4	1808	1787	1807			
3	SSBQAM	6	7	1815	1807	1800			
3	SSBQAM	12	0	1802	1782	1805			
3	SSBQAM	3	0	1812	1804	1798			
3	SSBQAM	6	0	1813	1788	1790			



Band 41 PC2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power High Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)
Channel				36750	40185	40620	41055	41490	
Frequency (MHz)									
20	QPSK	1	0	26.14	26.17	26.13	26.03	26.34	
20	QPSK	1	49	26.28	26.31	26.26	26.12	26.55	27.5
20	QPSK	1	99	26.23	26.20	26.10	25.97	25.90	
20	QPSK	50	0	26.28	26.29	26.16	25.98	25.62	
20	QPSK	50	24	26.29	26.28	26.22	26.08	24.89	28.5
20	QPSK	50	50	26.31	26.32	26.23	26.12	25.73	
20	QPSK	100	0	26.32	26.30	26.21	26.11	26.01	
20	HQDM	1	0	26.24	26.20	26.45	26.32	26.03	
20	HQDM	1	49	26.33	26.31	26.27	26.14	26.07	28.5
20	HQDM	1	99	26.38	26.35	26.26	26.11	25.94	
20	HQDM	50	0	24.19	24.24	24.12	24.05	24.01	
20	HQDM	50	24	24.27	24.27	24.18	24.09	24.02	25.5
20	HQDM	50	50	24.27	24.27	24.16	24.06	23.99	
20	HQDM	100	0	24.22	24.25	24.15	24.10	24.01	
20	HQDM	1	0	24.23	24.38	24.24	24.15	24.06	25.5
20	HQDM	1	49	24.24	24.23	24.18	24.04	24.01	
20	HQDM	1	99	24.34	24.31	24.24	24.05	24.03	
20	HQDM	50	0	23.24	23.25	23.18	23.05	22.98	
20	HQDM	50	24	23.27	23.24	23.18	23.08	23.04	24.5
20	HQDM	50	50	23.30	23.27	23.18	23.07	23.00	
20	SSBDM	100	0	21.27	21.28	21.20	21.06	21.01	
20	SSBDM	1	0	21.66	21.11	21.21	21.00	21.01	22.5
20	SSBDM	1	49	21.33	21.03	21.14	21.01	20.98	
20	SSBDM	1	99	21.36	21.09	21.05	20.91	20.96	
20	SSBDM	50	0	21.35	21.29	21.35	21.24	21.19	22.5
20	SSBDM	50	24	21.37	21.25	21.33	21.22	21.17	
20	SSBDM	50	50	21.36	21.21	21.30	21.17	21.16	
20	SSBDM	100	0	21.32	21.20	21.25	21.18	21.12	
Channel				36750	40185	40620	41055	41490	
Frequency (MHz)									
15	QPSK	1	0	26.03	26.12	26.07	25.93	26.47	
15	QPSK	1	34	26.07	26.09	26.00	25.81	25.71	27.50
15	QPSK	1	74	26.16	26.12	26.04	25.92	25.81	
15	QPSK	36	0	25.24	25.28	25.21	25.08	25.62	
15	QPSK	36	20	25.24	25.27	25.19	25.09	25.01	28.5
15	QPSK	36	36	25.26	25.27	25.20	25.07	24.98	
15	QPSK	75	0	25.28	25.24	25.15	25.07	25.00	
15	QPSK	75	0	25.28	25.37	25.35	25.12	25.11	28.5
15	HQDM	1	37	26.38	26.34	26.31	26.18	26.11	
15	HQDM	1	74	26.38	26.37	26.31	26.17	26.12	
15	HQDM	36	0	24.22	24.22	24.17	24.04	24.00	25.5
15	HQDM	36	20	24.21	24.21	24.12	24.04	23.99	
15	HQDM	36	36	24.23	24.23	24.15	24.03	23.98	
15	HQDM	75	0	24.23	24.21	24.18	24.03	24.01	
15	HQDM	1	0	24.21	24.01	24.08	24.11	23.87	25.5
15	HQDM	1	37	24.12	24.10	24.07	23.92	23.89	
15	HQDM	1	74	24.12	24.11	24.07	23.92	23.89	
15	HQDM	36	0	23.20	23.21	23.15	23.05	22.95	
15	HQDM	36	20	23.20	23.20	23.15	23.01	22.99	24.5
15	HQDM	36	36	23.25	23.20	23.15	23.01	22.97	
15	HQDM	75	0	23.22	23.21	23.15	22.99	22.99	
15	SSBDM	1	37	21.17	21.10	21.14	21.00	20.99	22.5
15	SSBDM	1	74	21.24	20.99	21.11	20.93	20.97	
15	SSBDM	1	74	21.29	20.97	21.01	20.88	20.89	
15	SSBDM	36	0	21.26	21.12	21.10	21.00	21.00	22.5
15	SSBDM	36	20	21.31	21.20	21.30	21.15	21.07	
15	SSBDM	36	36	21.29	21.12	21.20	21.14	21.12	
15	SSBDM	75	0	21.25	21.12	21.23	21.12	21.06	
Channel				36750	40185	40620	41055	41490	
Frequency (MHz)									
10	QPSK	1	0	26.08	26.10	26.05	25.96	26.48	
10	QPSK	1	25	26.15	26.17	26.10	26.00	26.50	27.50
10	QPSK	1	49	26.14	26.15	26.06	25.94	25.83	
10	QPSK	25	0	25.23	25.23	25.18	25.08	25.50	
10	QPSK	25	12	25.24	25.23	25.17	25.07	24.99	28.5
10	QPSK	25	25	25.27	25.25	25.18	25.07	25.01	
10	QPSK	50	0	26.29	26.29	26.22	26.15	26.01	
10	HQDM	1	0	26.48	26.45	26.39	26.24	26.17	28.5
10	HQDM	1	25	26.37	26.35	26.31	26.20	26.12	
10	HQDM	1	49	26.46	26.41	26.37	26.22	26.15	
10	HQDM	25	0	24.25	24.30	24.20	24.10	24.01	25.5
10	HQDM	25	12	24.30	24.27	24.22	24.11	24.07	
10	HQDM	25	25	24.32	24.27	24.22	24.11	24.00	
10	HQDM	50	0	24.24	24.25	24.19	24.09	23.99	
10	HQDM	1	0	24.13	24.13	24.11	24.03	23.89	28.5
10	HQDM	1	25	23.85	23.87	23.83	23.69	23.60	
10	HQDM	1	49	24.16	24.09	24.08	23.85	23.83	
10	HQDM	25	0	23.21	23.19	23.21	23.08	22.99	24.5
10	HQDM	25	12	23.27	23.17	23.20	23.06	23.02	
10	HQDM	25	25	23.29	23.23	23.21	23.05	23.03	
10	HQDM	50	0	23.28	23.25	23.17	23.09	23.00	
10	SSBDM	1	0	21.66	21.03	21.21	21.07	20.97	22.5
10	SSBDM	1	25	21.33	21.02	21.10	20.91	20.92	
10	SSBDM	1	49	21.30	21.05	21.05	20.85	20.84	
10	SSBDM	25	0	21.32	21.21	21.32	21.22	21.14	22.5
10	SSBDM	25	12	21.28	21.16	21.20	21.10	21.07	
10	SSBDM	25	25	21.31	21.00	21.30	21.07	21.15	
10	SSBDM	50	0	21.23	21.14	21.19	21.17	21.10	
Channel				36750	40185	40620	41055	41490	
Frequency (MHz)									
5	QPSK	1	0	26.07	26.11	26.06	25.95	26.85	
5	QPSK	1	12	26.08	26.10	26.04	25.94	25.83	27.50
5	QPSK	1	24	26.10	26.11	26.05	25.93	25.83	
5	QPSK	12	0	25.22	25.22	25.18	25.07	24.98	28.5
5	QPSK	12	7	25.20	25.19	25.14	25.01	24.96	
5	QPSK	12	13	25.21	25.23	25.17	25.04	24.97	
5	QPSK	25	0	25.24	25.21	25.14	25.05	24.98	
5	HQDM	1	0	26.31	26.30	26.16	26.23	26.04	28.5
5	HQDM	1	12	26.37	26.36	26.34	26.17	26.14	
5	HQDM	1	24	26.30	26.36	26.33	26.17	26.14	
5	HQDM	12	0	24.19	24.24	24.18	24.01	24.01	25.5
5	HQDM	12	7	24.23	24.22	24.16	24.04	24.03	
5	HQDM	12	13	24.25	24.23	24.16	24.05	24.03	
5	HQDM	25	0	24.27	24.24	24.23	24.08	24.08	
5	HQDM	1	0	24.07	24.09	24.05	23.90	23.87	28.5
5	HQDM	1	12	24.12	24.07	24.08	24.01	23.90	
5	HQDM	1	24	24.09	24.08	24.05	23.90	23.88	
5	HQDM	12	0	23.15	23.15	23.14	22.96	22.95	24.5
5	HQDM	12	7	23.11	23.11	23.06	22.92	22.92	
5	HQDM	12	13	23.16	23.15	23.12	22.96	22.94	
5	HQDM	25	0	23.13	23.19	23.17	22.97	22.97	
5	SSBDM	1	0	21.84	21.03	21.18	20.99	20.95	22.5
5	SSBDM	1	12	21.32	21.08	21.04	21.00	20.89	
5	SSBDM	1	24	21.20	20.90	20.96	20.86	20.92	
5	SSBDM	12	0	21.29	21.28	21.31	21.15	21.16	22.5
5	SSBDM	12	7	21.37	21.04	21.26	21.19	21.11	
5	SSBDM	12	13	21.38	21.15	21.27	21.13	21.18	
5	SSBDM	25	0	21.28	21.11	21.24	21.16	21.10	



Band 41 PC3_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power High Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				39750	39750	39750	39750	39750	
20	QPSK	1	0	24.10	24.14	24.08	23.96	23.91	
20	QPSK	1	49	24.13	24.13	24.05	23.97	23.90	25.5
20	QPSK	1	98	24.18	24.19	24.11	24.02	23.93	
20	QPSK	50	0	23.30	23.27	23.20	23.09	23.02	
20	QPSK	50	24	23.24	23.29	23.15	23.11	23.09	24.5
20	QPSK	50	50	23.31	23.34	23.13	23.03	22.99	
20	QPSK	100	0	23.32	23.30	23.21	23.13	22.99	
20	HQDM	1	0	23.25	23.24	23.30	23.10	22.95	
20	HQDM	1	49	23.20	23.18	23.23	22.99	22.94	24.5
20	HQDM	1	99	23.27	23.28	23.31	22.98	22.95	
20	HQDM	50	0	22.29	22.28	22.21	22.10	22.02	
20	HQDM	50	24	22.30	22.29	22.21	22.12	22.04	23.5
20	HQDM	50	50	22.27	22.28	22.28	22.06	22.05	
20	HQDM	100	0	22.31	22.27	22.21	22.10	22.02	
20	HQDM	1	0	21.93	21.95	21.80	21.78	21.65	
20	HQDM	1	49	21.94	21.93	21.79	21.69	21.58	23.5
20	HQDM	1	99	21.94	21.96	21.83	21.67	21.55	
20	HQDM	50	0	21.27	21.25	21.19	21.08	21.02	
20	HQDM	50	24	21.28	21.27	21.22	21.10	21.02	22.5
20	HQDM	50	50	21.29	21.25	21.19	21.05	20.99	
20	HQDM	100	0	21.27	21.24	21.18	21.06	21.00	
20	ZSSGDM	1	0	19.35	19.34	19.38	19.39	19.33	
20	ZSSGDM	1	49	19.28	19.88	18.87	18.75	18.72	20.5
20	ZSSGDM	1	99	19.25	19.82	18.85	18.71	18.74	
20	ZSSGDM	50	0	19.38	19.31	19.37	19.30	19.21	20.5
20	ZSSGDM	50	24	19.41	19.30	19.24	19.27	19.20	
20	ZSSGDM	50	50	19.40	19.27	19.24	19.21	19.17	20.5
20	ZSSGDM	100	0	19.33	19.22	19.27	19.19	19.13	
Channel				25050	25110	25050	25050	25050	
Frequency (MHz)				25050	25050	25050	25050	25050	
15	QPSK	1	0	24.16	24.18	24.17	24.04	23.97	
15	QPSK	1	39	24.14	24.11	24.05	23.94	23.91	25.00
15	QPSK	1	74	24.18	24.17	24.15	24.00	23.98	
15	QPSK	36	0	23.24	23.27	23.21	23.09	23.02	
15	QPSK	36	20	23.27	23.28	23.21	23.10	23.00	24.5
15	QPSK	36	36	23.29	23.27	23.19	23.08	22.99	
15	QPSK	75	0	23.28	23.30	23.22	23.14	23.02	
15	HQDM	1	0	23.31	23.30	23.31	23.20	23.10	24.5
15	HQDM	1	37	23.33	23.23	23.33	23.10	23.07	
15	HQDM	1	74	23.35	23.33	23.34	23.12	23.10	
15	HQDM	36	0	22.20	22.18	22.15	22.02	21.97	
15	HQDM	36	20	22.21	22.20	22.15	22.01	21.93	23.5
15	HQDM	36	36	22.22	22.20	22.15	22.01	21.97	
15	HQDM	75	0	22.30	22.28	22.21	22.11	22.01	
15	HQDM	1	0	21.92	21.83	21.89	21.86	21.75	
15	HQDM	1	37	21.85	21.78	21.83	21.78	21.70	23.5
15	HQDM	1	74	21.87	21.85	21.85	21.78	21.70	
15	HQDM	36	0	21.25	21.23	21.21	21.08	21.01	
15	HQDM	36	20	21.26	21.23	21.19	21.04	21.01	22.5
15	HQDM	36	36	21.27	21.25	21.23	21.03	21.01	
15	HQDM	75	0	21.25	21.24	21.18	21.07	20.99	
15	ZSSGDM	1	0	19.25	19.89	18.84	18.80	18.81	20.5
15	ZSSGDM	1	37	19.28	19.79	18.84	18.74	18.65	
15	ZSSGDM	1	74	19.20	19.76	18.85	18.70	18.70	
15	ZSSGDM	36	0	19.35	19.22	19.28	19.25	19.17	20.5
15	ZSSGDM	36	20	19.38	19.22	19.28	19.25	19.12	
15	ZSSGDM	36	36	19.36	19.27	19.21	19.11	19.08	
15	ZSSGDM	75	0	19.24	19.21	19.19	19.16	19.10	
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				39750	39750	39750	39750	39750	
10	QPSK	1	0	24.15	24.16	24.17	24.08	23.98	
10	QPSK	1	25	24.14	24.07	24.05	23.95	23.87	25.00
10	QPSK	1	49	24.17	24.11	24.18	24.05	23.95	
10	QPSK	25	0	23.27	23.26	23.21	23.11	23.00	
10	QPSK	25	12	23.26	23.25	23.19	23.10	22.99	24.5
10	QPSK	25	25	23.30	23.27	23.21	23.12	22.99	
10	QPSK	50	0	23.33	23.29	23.23	23.15	23.01	
10	HQDM	1	0	23.28	23.27	23.24	23.18	23.05	
10	HQDM	1	24	23.23	23.19	23.26	23.06	22.95	24.5
10	HQDM	1	49	23.27	23.29	23.21	23.10	23.02	
10	HQDM	1	98	23.34	23.31	23.23	22.14	22.05	
10	HQDM	25	12	22.34	22.30	22.23	22.13	22.04	23.5
10	HQDM	25	25	22.34	22.31	22.24	22.14	22.04	
10	HQDM	50	0	22.30	22.27	22.20	22.10	22.02	
10	HQDM	1	0	22.02	21.91	21.90	21.81	21.78	
10	HQDM	1	24	21.98	21.87	21.86	21.73	21.73	23.5
10	HQDM	1	49	22.03	21.92	21.89	21.76	21.77	
10	HQDM	25	0	21.26	21.23	21.17	21.09	21.01	
10	HQDM	25	12	21.26	21.23	21.18	21.07	21.01	22.5
10	HQDM	25	25	21.27	21.24	21.19	21.09	21.01	
10	HQDM	50	0	21.26	21.26	21.21	21.10	21.03	
10	ZSSGDM	1	0	19.30	19.90	18.84	18.84	18.79	20.5
10	ZSSGDM	1	25	19.28	18.78	18.82	18.71	18.68	
10	ZSSGDM	1	49	19.16	18.75	18.84	18.65	18.67	
10	ZSSGDM	25	0	19.28	19.28	19.28	19.23	19.14	20.5
10	ZSSGDM	25	12	19.35	19.20	19.25	19.23	19.10	
10	ZSSGDM	25	25	19.34	19.25	19.22	19.19	19.15	
10	ZSSGDM	50	0	19.27	19.20	19.24	19.09	19.04	
Channel				24975	25440	25905	26400	26925	
Frequency (MHz)				24975	24975	24975	24975	24975	
5	QPSK	1	0	24.16	24.18	24.15	24.05	23.97	
5	QPSK	1	10	24.17	24.16	24.17	24.04	23.95	25.00
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	23.00	
5	QPSK	12	7	23.25	23.25	23.19	23.08	23.00	24.5
5	QPSK	12	13	23.25	23.22	23.17	23.07	23.00	
5	QPSK	25	0	23.26	23.27	23.20	23.11	23.00	
5	HQDM	1	0	23.32	23.27	23.20	23.07	23.04	24.5
5	HQDM	1	12	23.30	23.31	23.29	23.07	23.04	
5	HQDM	1	24	23.37	23.31	23.29	23.12	23.05	
5	HQDM	12	0	22.14	22.13	22.12	22.00	21.98	
5	HQDM	12	7	22.17	22.14	22.13	22.00	21.96	23.5
5	HQDM	12	13	22.16	22.15	22.11	21.98	21.95	
5	HQDM	25	0	22.28	22.25	22.21	22.13	22.07	
5	HQDM	1	0	21.93	21.85	21.94	21.75	21.63	
5	HQDM	1	12	21.93	21.82	21.93	21.73	21.78	23.5
5	HQDM	1	24	21.97	21.86	21.95	21.73	21.83	
5	HQDM	1	49	21.15	21.13	21.15	20.98	20.99	22.5
5	HQDM	12	7	21.16	21.13	21.14	20.98	20.99	
5	HQDM	12	13	21.16	21.12	21.13	20.96	21.00	
5	HQDM	25	0	21.25	21.23	21.18	21.08	21.01	
5	ZSSGDM	1	0	19.35	18.89	18.95	18.84	18.73	20.5
5	ZSSGDM	1	10	19.25	18.85	18.86	18.67	18.63	
5	ZSSGDM	1	24	19.21	18.82	18.85	18.84	18.72	
5	ZSSGDM	12	0	19.32	19.26	19.29	19.30	19.13	20.5
5	ZSSGDM	12	7	19.35	19.21	19.24	19.19	19.20	
5	ZSSGDM	12	13	19.37	19.22	19.31	19.13	19.08	
5	ZSSGDM	25	0	19.26	19.21	19.18	19.12	19.07	



Band 48_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power High Mod Ch. / Freq.	Power High Mod Ch. / Freq.	Power High Mod Ch. / Freq.	Power High Mod Ch. / Freq.	Tune-up Int. (dBm)
Channel									
Frequency (MHz)				56340	56330	56150	56160	56160	
20	QPSK	1	0	23.63	23.73	23.81	23.89	23.89	25.5
20	QPSK	1	40	23.60	23.81	23.69	23.66	23.66	
20	QPSK	1	80	23.62	23.87	23.65	23.58	23.58	
20	QPSK	50	0	23.20	23.42	23.40	23.39	23.39	
20	QPSK	50	24	23.24	23.42	23.40	23.39	23.39	24.5
20	QPSK	50	24	23.21	23.34	23.28	23.25	23.25	
20	QPSK	100	0	23.27	23.33	23.37	23.41	23.41	
20	QPSK	100	0	23.23	23.13	23.38	23.14	23.14	
20	16QAM	1	40	23.20	23.30	23.17	23.32	23.32	24.5
20	16QAM	1	80	23.21	23.14	23.15	23.28	23.28	
20	16QAM	50	0	22.12	22.30	22.41	22.36	22.36	
20	16QAM	50	24	22.20	22.29	22.34	22.32	22.32	
20	16QAM	25	80	22.05	22.05	22.25	22.18	22.18	23.5
20	16QAM	100	0	22.15	22.33	22.38	22.37	22.37	
20	64QAM	1	0	21.70	22.37	22.55	22.08	22.08	
20	64QAM	1	40	21.61	21.92	22.32	21.12	21.12	
20	64QAM	1	80	21.89	21.77	22.05	22.02	22.02	23.5
20	64QAM	50	0	21.34	21.31	21.31	21.38	21.38	
20	64QAM	50	24	21.24	21.31	21.31	21.30	21.30	
20	64QAM	50	50	21.13	21.27	21.26	21.21	21.21	
20	256QAM	100	0	21.10	21.27	21.25	21.22	21.22	22.5
20	256QAM	1	0	18.50	18.85	18.87	18.92	18.92	
20	256QAM	1	40	18.85	18.83	19.01	18.99	18.99	
20	256QAM	1	80	18.81	18.83	19.13	19.01	19.01	
20	256QAM	50	0	18.34	18.37	19.44	19.47	19.47	20.5
20	256QAM	50	24	18.26	18.40	19.46	19.52	19.52	
20	256QAM	50	50	18.38	18.43	19.51	19.55	19.55	
20	256QAM	100	0	19.20	19.28	19.37	19.48	19.48	
Channel									
Frequency (MHz)				56330	56320	56170	56180	56180	
15	QPSK	1	0	23.67	23.86	23.88	23.83	23.83	25.5
15	QPSK	1	37	23.61	23.72	23.61	23.57	23.57	
15	QPSK	1	74	23.71	23.69	23.68	23.64	23.64	
15	QPSK	36	0	23.27	23.34	23.40	23.34	23.34	
15	QPSK	36	20	23.10	23.28	23.37	23.34	23.34	24.5
15	QPSK	36	50	23.13	23.41	23.39	23.28	23.28	
15	QPSK	75	0	23.20	23.38	23.33	23.40	23.40	
15	16QAM	1	0	23.14	23.41	23.32	23.35	23.35	
15	16QAM	1	37	23.05	23.32	23.30	23.36	23.36	24.5
15	16QAM	1	74	23.00	23.02	22.98	23.01	23.01	
15	16QAM	36	0	22.20	22.25	22.32	22.28	22.28	
15	16QAM	36	30	22.17	22.20	22.21	22.25	22.25	
15	16QAM	36	59	22.02	22.30	22.33	22.22	22.22	23.5
15	16QAM	75	0	22.07	22.29	22.38	22.30	22.30	
15	64QAM	1	0	22.07	21.99	22.09	22.03	22.03	
15	64QAM	1	37	22.25	22.30	22.16	22.03	22.03	
15	64QAM	1	74	21.72	21.86	21.86	21.86	21.86	22.5
15	64QAM	36	20	21.14	21.25	21.33	21.25	21.25	
15	64QAM	36	50	21.33	21.29	21.15	21.22	21.22	
15	64QAM	75	0	21.24	21.38	21.29	21.25	21.25	
15	256QAM	1	0	18.90	18.80	18.84	18.92	18.92	20.5
15	256QAM	1	37	18.75	18.81	18.89	18.96	18.96	
15	256QAM	1	74	18.81	18.90	18.94	18.94	18.94	
15	256QAM	36	0	18.21	18.35	19.42	19.47	19.47	
15	256QAM	36	20	19.31	19.35	19.44	19.53	19.53	20.5
15	256QAM	36	50	19.23	19.35	19.44	19.53	19.53	
15	256QAM	75	0	19.25	19.21	19.31	19.30	19.30	
15	256QAM	100	0	19.20	19.16	19.23	19.39	19.39	
Channel									
Frequency (MHz)				56290	56280	56110	56120	56120	
10	QPSK	1	0	23.50	23.70	23.68	23.77	23.77	25.5
10	QPSK	1	25	23.52	23.70	23.61	23.62	23.62	
10	QPSK	1	40	23.60	23.70	23.25	23.58	23.58	
10	QPSK	25	0	23.30	23.39	23.45	23.36	23.36	
10	QPSK	25	12	23.24	23.40	23.31	23.35	23.35	24.5
10	QPSK	25	0	23.10	23.41	23.38	23.31	23.31	
10	QPSK	50	0	23.31	23.36	23.37	23.41	23.41	
10	16QAM	1	0	23.17	23.33	23.34	23.38	23.38	
10	16QAM	1	24	22.13	22.13	22.18	22.23	22.23	24.5
10	16QAM	1	40	23.14	23.15	23.30	23.34	23.34	
10	16QAM	25	0	22.22	22.31	22.40	22.38	22.38	
10	16QAM	25	12	22.11	22.37	22.39	22.32	22.32	
10	16QAM	25	20	22.21	22.32	22.30	22.28	22.28	23.5
10	16QAM	50	0	22.20	22.29	22.30	22.23	22.23	
10	64QAM	1	0	21.78	22.22	22.29	22.07	22.07	
10	64QAM	1	26	22.04	22.12	22.04	22.14	22.14	
10	64QAM	1	40	21.80	22.08	21.98	22.09	22.09	23.5
10	64QAM	25	0	21.09	21.26	21.34	21.28	21.28	
10	64QAM	25	12	21.09	21.14	21.35	21.29	21.29	
10	64QAM	25	25	21.10	21.28	21.28	21.37	21.37	
10	64QAM	50	0	21.10	21.25	21.36	21.28	21.28	22.5
10	256QAM	1	0	18.80	18.80	18.79	18.85	18.85	
10	256QAM	1	25	18.74	18.70	18.82	18.89	18.89	
10	256QAM	25	0	18.21	18.30	18.30	18.27	18.27	
10	256QAM	25	12	18.28	18.27	18.30	18.33	18.33	20.5
10	256QAM	25	12	18.31	18.28	19.37	19.43	19.43	
10	256QAM	25	25	18.27	18.35	19.41	19.50	19.50	
10	256QAM	50	0	19.18	19.16	19.23	19.39	19.39	
Channel									
Frequency (MHz)				56250	56240	56110	56120	56120	
5	QPSK	1	0	23.52	23.74	23.68	23.78	23.78	25.5
5	QPSK	1	0	23.54	23.60	23.60	23.73	23.73	
5	QPSK	1	24	23.68	23.80	23.76	23.56	23.56	
5	QPSK	12	0	23.00	23.28	23.35	23.28	23.28	
5	QPSK	12	7	23.07	23.35	23.07	23.33	23.33	24.5
5	QPSK	12	13	23.10	23.22	23.35	23.22	23.22	
5	QPSK	25	0	23.10	23.37	23.20	23.36	23.36	
5	16QAM	1	0	22.88	23.34	23.45	23.38	23.38	
5	16QAM	1	12	22.95	23.27	23.33	23.28	23.28	24.5
5	16QAM	1	24	22.95	23.19	23.29	23.20	23.20	
5	16QAM	12	0	22.07	22.17	22.22	22.22	22.22	
5	16QAM	12	7	21.98	22.21	22.20	22.23	22.23	
5	16QAM	12	13	21.80	22.14	22.22	22.16	22.16	23.5
5	16QAM	25	0	22.14	22.42	22.34	22.38	22.38	
5	64QAM	1	0	21.72	22.21	22.13	21.98	21.98	
5	64QAM	1	12	22.17	22.19	22.11	21.91	21.91	
5	64QAM	1	24	22.18	21.83	22.15	22.08	22.08	23.5
5	64QAM	12	0	21.90	21.24	21.52	21.19	21.19	
5	64QAM	12	7	21.14	21.29	21.20	21.20	21.20	
5	64QAM	12	13	20.98	21.25	21.15	21.15	21.15	
5	64QAM	25	0	21.00	21.25	21.30	21.28	21.28	22.5
5	256QAM	1	0	18.80	18.80	18.69	18.76	18.76	
5	256QAM	1	0	18.72	18.70	18.67	18.84	18.84	
5	256QAM	1	24	18.71	18.86	18.92	18.78	18.78	
5	256QAM	12	0	18.20	18.20	19.26	19.27	19.27	20.5
5	256QAM	12	7	18.22	18.20	19.27	19.38	19.38	
5	256QAM	12	13	18.24	18.33	19.38	19.45	19.45	
5	256QAM	25	0	19.00	19.14	19.23	19.39	19.39	





Band 41 PC2_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Line Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (MHz)
Channel				39750	40165	40600	41055	41540	41990	
Frequency (MHz)				2547.5	2569.5	2591.5	2613.5	2635.5	2657.5	
20	QPSK	1	0	25.87	25.89	25.80	25.81	25.84	25.87	25.9
20	QPSK	1	49	25.73	25.82	25.72	25.68	25.67	25.67	25.9
20	QPSK	1	49	25.83	25.76	25.62	25.68	25.68	25.67	25.9
20	QPSK	50	0	25.74	25.81	25.70	25.73	25.62	25.62	25.9
20	QPSK	50	24	25.71	25.72	25.65	25.65	25.65	25.65	25.9
20	QPSK	50	24	25.59	25.57	25.55	25.59	25.55	25.55	25.9
20	QPSK	100	0	25.82	25.87	25.73	25.74	25.82	25.82	25.9
20	QPSK	1	0	25.62	25.62	25.62	25.65	25.65	25.65	25.9
20	16QAM	1	49	25.52	25.76	25.64	25.61	25.63	25.63	25.9
20	16QAM	1	99	25.69	25.76	25.65	25.63	25.61	25.61	25.9
20	16QAM	50	0	24.27	24.29	24.24	24.24	24.24	24.24	25.5
20	16QAM	50	24	24.40	24.29	24.09	24.00	24.00	24.00	25.5
20	16QAM	50	24	24.26	24.24	24.24	24.24	24.24	24.24	25.5
20	16QAM	100	0	24.42	24.24	24.05	24.19	24.21	24.21	25.5
20	16QAM	1	0	24.26	24.44	24.26	24.11	24.05	24.05	25.5
20	16QAM	1	49	24.10	24.39	24.25	24.21	24.21	24.21	25.5
20	16QAM	1	99	24.34	24.11	24.25	23.91	24.01	24.01	25.5
20	16QAM	50	0	23.37	23.17	23.31	23.06	23.06	23.06	24.5
20	16QAM	50	24	23.24	23.31	23.31	23.09	23.09	23.09	24.5
20	16QAM	50	50	23.33	23.09	23.20	23.12	23.13	23.13	24.5
20	16QAM	100	0	23.51	23.33	23.09	23.07	23.07	23.07	24.5
20	256QAM	1	0	21.61	20.92	21.35	21.01	21.16	21.16	22.5
20	256QAM	1	49	21.29	20.99	20.97	21.07	20.99	20.99	22.5
20	256QAM	1	99	21.26	20.79	21.06	20.83	20.90	20.90	22.5
20	256QAM	50	0	21.25	21.30	21.34	21.09	21.05	21.05	22.5
20	256QAM	50	24	21.41	21.43	21.14	21.11	21.27	21.27	22.5
20	256QAM	50	50	21.43	21.07	21.44	21.29	21.29	21.29	22.5
20	256QAM	100	0	21.17	21.15	21.25	21.09	21.27	21.27	22.5
Channel				25025	25138	25250	25363	25475	25588	
Frequency (MHz)				2503.5	2518.3	25303	2537.5	25502.5	25592.5	
15	QPSK	1	0	25.74	25.84	25.82	25.87	25.78	25.78	25.90
15	QPSK	1	37	25.99	25.82	25.68	25.53	25.44	25.44	25.90
15	QPSK	1	74	25.44	25.64	25.56	25.56	25.61	25.61	25.9
15	QPSK	36	0	25.65	25.81	25.68	25.70	25.70	25.70	25.9
15	QPSK	36	36	25.52	25.80	25.62	25.53	25.52	25.52	25.9
15	16QAM	1	0	25.48	25.72	25.54	25.66	25.58	25.58	25.9
15	16QAM	1	37	25.46	25.36	25.31	25.46	25.36	25.36	25.9
15	16QAM	1	74	25.56	25.73	25.53	25.45	25.45	25.45	25.9
15	16QAM	36	0	24.09	24.22	24.24	23.92	24.11	24.11	25.5
15	16QAM	36	36	24.26	24.10	24.07	24.07	24.06	24.06	25.5
15	16QAM	36	36	24.11	24.42	24.18	24.11	23.91	23.91	25.5
15	16QAM	75	0	24.32	24.24	24.30	24.05	24.14	24.14	25.5
15	16QAM	1	0	24.22	24.40	24.19	24.01	24.00	24.00	25.5
15	16QAM	1	37	23.99	24.37	24.15	24.18	24.13	24.13	25.5
15	16QAM	36	74	24.00	24.07	24.07	24.07	24.07	24.07	25.5
15	16QAM	36	0	23.17	23.00	23.31	22.88	23.25	23.25	25.5
15	16QAM	36	20	23.18	23.17	23.21	22.92	22.76	22.76	24.5
15	16QAM	36	36	23.30	23.00	23.18	22.86	23.04	23.04	24.5
15	16QAM	75	0	23.27	23.17	22.88	23.05	22.85	22.85	24.5
15	256QAM	1	0	21.45	20.81	21.18	21.01	21.02	21.02	22.5
15	256QAM	1	37	21.14	20.99	20.86	20.93	20.97	20.97	22.5
15	256QAM	1	74	21.12	20.59	20.97	20.74	20.75	20.75	22.5
15	256QAM	36	0	21.17	21.08	20.95	20.95	20.95	20.95	22.5
15	256QAM	36	20	21.30	21.23	21.04	21.09	21.14	21.14	22.5
15	256QAM	36	39	21.34	21.17	21.31	21.12	20.95	20.95	22.5
15	256QAM	100	0	21.04	21.08	21.06	20.89	21.05	21.05	22.5
Channel				39700	40160	40600	41060	41540	41990	
Frequency (MHz)				2547.5	2569.5	2591.5	2613.5	2635.5	2657.5	
10	QPSK	1	0	25.71	25.80	25.72	25.65	25.83	25.83	25.90
10	QPSK	1	25	25.87	25.82	25.65	25.65	25.48	25.48	25.90
10	QPSK	1	49	25.81	25.86	25.55	25.61	25.65	25.65	25.9
10	QPSK	35	0	25.54	25.73	25.62	25.53	25.70	25.70	25.9
10	QPSK	35	12	25.64	25.63	25.51	25.49	25.43	25.43	25.9
10	QPSK	35	25	25.45	25.59	25.42	25.55	25.49	25.49	25.9
10	QPSK	60	0	25.62	25.73	25.67	25.69	25.78	25.78	25.9
10	16QAM	1	0	25.56	25.61	25.42	25.44	25.48	25.48	25.9
10	16QAM	1	49	25.59	25.69	25.48	25.51	25.51	25.51	25.9
10	16QAM	1	49	25.59	25.78	25.62	25.51	25.69	25.69	25.9
10	16QAM	25	0	24.15	24.22	24.09	23.90	24.21	24.21	25.5
10	16QAM	25	12	24.36	24.27	24.08	24.12	24.05	24.05	25.5
10	16QAM	25	20	24.16	24.24	24.23	24.17	23.86	23.86	25.5
10	16QAM	60	0	24.40	24.24	23.93	24.03	24.03	24.03	25.5
10	16QAM	1	0	24.23	24.38	24.21	23.94	23.97	23.97	25.5
10	16QAM	1	49	24.12	24.31	24.18	24.16	24.21	24.21	25.5
10	16QAM	1	49	24.22	24.08	24.09	23.72	24.03	24.03	25.5
10	16QAM	25	0	23.34	23.10	23.26	23.03	23.00	23.00	24.5
10	16QAM	25	12	23.08	23.29	23.24	22.92	22.87	22.87	24.5
10	16QAM	25	25	23.24	23.09	23.09	23.08	22.93	22.93	24.5
10	16QAM	50	0	23.18	23.31	22.89	22.88	22.94	22.94	24.5
10	16QAM	1	0	21.45	20.75	21.22	20.98	21.16	21.16	22.5
10	256QAM	1	25	21.12	20.85	20.82	20.98	20.82	20.82	22.5
10	256QAM	1	49	21.00	20.68	21.06	20.83	20.81	20.81	22.5
10	256QAM	35	0	21.23	21.16	21.23	20.95	20.88	20.88	22.5
10	256QAM	25	12	21.21	21.34	21.07	20.95	21.25	21.25	22.5
10	256QAM	25	25	21.31	21.09	21.35	21.23	20.95	20.95	22.5
10	256QAM	50	0	21.01	21.02	21.18	21.03	21.23	21.23	22.5
Channel				24975	25188	25300	25413	25525	25638	
Frequency (MHz)				2498.5	2518.3	25303	25413.0	25522.5	25632.5	
5	QPSK	1	0	25.72	25.75	25.80	25.62	25.76	25.76	25.90
5	QPSK	1	12	25.87	25.79	25.61	25.67	25.51	25.51	25.9
5	QPSK	1	24	25.52	25.68	25.52	25.49	25.54	25.54	25.9
5	QPSK	12	0	25.58	25.69	25.59	25.53	25.63	25.63	25.9
5	QPSK	12	7	25.71	25.59	25.68	25.49	25.49	25.49	25.9
5	QPSK	12	13	25.85	25.49	25.43	25.60	25.40	25.40	25.9
5	QPSK	30	0	25.78	25.85	25.62	25.46	25.65	25.65	25.9
5	16QAM	1	0	25.50	25.74	25.60	25.53	25.52	25.52	25.9
5	16QAM	1	12	25.54	25.67	25.49	25.45	25.53	25.53	25.9
5	16QAM	1	24	25.57	25.72	25.52	25.53	25.61	25.61	25.9
5	16QAM	12	0	24.22	24.20	24.21	23.88	24.18	24.18	25.5
5	16QAM	12	7	24.26	24.26	24.02	24.05	24.04	24.04	25.5
5	16QAM	12	13	24.18	24.40	24.28	24.12	23.85	23.85	25.5
5	16QAM	35	0	24.23	24.18	23.91	24.05	24.20	24.20	25.5
5	16QAM	1	0	24.20	24.28	24.22	24.06	24.01	24.01	25.5
5	16QAM	1	12	24.01	24.21	24.12	24.08	24.08	24.08	25.5
5	16QAM	1	24	24.16	23.69	24.25	23.75	24.02	24.02	25.5
5	16QAM	35	0	23.27	23.19	23.11	22.97	22.91	22.91	24.5
5	16QAM	12	7	23.11	23.19	23.12	22.89	22.90	22.90	24.5
5	16QAM	12	13	23.16	23.07	23.08	22.86	22.96	22.96	24.5
5	16QAM	35	0	23.30	23.25	22.84	23.05	22.89	22.89	24.5
5	256QAM	1	0	21.52	20.85	21.29	20.93	21.09	21.09	22.5
5	256QAM	1	12	21.18	20.80	20.84	20.87	20.82	20.82	22.5
5	256QAM	1	24	21.25	20.67	20.69	20.72	20.80	20.80	22.5
5	256QAM	12	0	21.09	21.12	21.14	20.94	20.86	20.86	22.5
5	256QAM	12	7	21.23	21.07	21.04	20.91	21.06	21.06	22.5
5	256QAM	12	13	21.41	21.07	21.32	21.22	20.83	20.83	22.5
5	256QAM	35	0	21.13	20.95	21.29	20.96	21.18	21.18	22.5



Band 41 PC3_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Level Mod. Ch. / Freq.	Power Level MIMO Ch. / Freq.	Power High Mod. Ch. / Freq.	Power HP Ch. / Freq.	Take-up dist (dBm)	
Channel				36760	46185	40620	41055	41490		
Frequency (MHz)				2668	26918	26960	26968	26968		
20	QPSK	1	0	23.74	23.58	23.59	23.55	23.51	24.3	
20	QPSK	1	40	23.70	23.54	23.55	23.52	23.50		
20	QPSK	1	80	23.71	23.55	23.56	23.54	23.50	24.3	
20	QPSK	50	0	23.30	22.98	23.20	23.05	23.04		
20	QPSK	50	24	23.22	22.96	23.12	22.98	22.98	24.3	
20	QPSK	50	24	23.23	22.92	23.14	22.85	22.99		
20	QPSK	100	0	23.32	23.02	23.21	23.07	23.08	24.3	
20	16QAM	1	0	23.25	23.34	23.64	23.53	23.38		
20	16QAM	1	40	23.50	23.21	23.54	22.82	23.31	24.3	
20	16QAM	1	80	23.57	23.24	23.62	23.09	23.30		
20	16QAM	50	0	22.65	22.43	22.62	22.49	22.48	23.5	
20	16QAM	50	24	22.68	22.42	22.61	22.49	22.49		
20	16QAM	50	24	22.69	22.38	22.62	22.54	22.46	23.5	
20	16QAM	100	0	22.55	22.43	22.53	22.21	22.47		
20	64QAM	1	0	22.57	22.44	22.68	22.57	22.39	23.5	
20	64QAM	1	40	22.51	22.38	22.51	22.38	22.38		
20	64QAM	1	80	22.58	22.37	22.56	22.14	22.42	23.5	
20	64QAM	50	0	21.85	21.65	21.83	21.11	21.68		
20	64QAM	50	24	21.87	21.63	21.82	21.68	21.68	22.5	
20	64QAM	50	50	21.86	21.59	21.79	21.63	21.84		
20	64QAM	100	0	21.70	21.54	21.74	21.58	21.60	22.5	
20	256QAM	1	0	19.65	19.41	19.70	19.60	19.54		
20	256QAM	1	40	19.60	19.36	19.62	19.50	19.42	20.5	
20	256QAM	1	80	19.65	19.36	19.62	19.11	19.42		
20	256QAM	50	0	19.85	19.67	19.84	19.26	19.70	20.5	
20	256QAM	50	24	19.87	19.63	19.81	19.47	19.69		
20	256QAM	50	50	19.88	19.62	19.81	19.41	19.67	20.5	
20	256QAM	100	0	19.81	19.59	19.78	19.34	19.85		
Channel				26968	41023	40500	41000	41418		
Frequency (MHz)				26931.4	2648.3	2593	2637.8	2692.5		
15	QPSK	1	0	23.68	23.58	23.52	23.50	23.54	24.30	
15	QPSK	1	37	23.62	23.50	23.50	23.52	23.54		
15	QPSK	1	74	23.67	23.53	23.51	23.53	23.50	24.3	
15	QPSK	36	0	23.10	22.81	23.02	23.58	22.86		
15	QPSK	36	20	23.08	22.86	23.04	22.79	22.98	24.3	
15	QPSK	36	30	23.10	22.81	22.84	22.87	22.83		
15	QPSK	75	0	23.20	22.87	23.12	22.88	22.95	24.3	
15	16QAM	1	0	23.38	23.31	23.59	23.50	23.32		
15	16QAM	1	37	23.42	23.16	23.53	22.89	23.22	24.3	
15	16QAM	1	74	23.42	23.12	23.60	22.90	23.11		
15	16QAM	36	0	22.80	22.26	22.48	22.50	22.29	23.5	
15	16QAM	36	30	22.84	22.76	22.73	22.46	22.26		
15	16QAM	36	39	22.87	22.19	22.48	22.37	22.27	23.5	
15	16QAM	75	0	22.60	22.28	22.67	22.08	22.41		
15	64QAM	1	0	22.41	22.39	22.65	22.56	22.22	23.5	
15	64QAM	1	37	22.43	22.18	22.42	22.29	22.22		
15	64QAM	36	74	22.44	21.17	21.55	21.24	21.07	22.5	
15	64QAM	36	20	21.78	21.81	21.82	21.85	21.53		
15	64QAM	36	30	21.70	21.45	21.50	21.45	21.45	22.5	
15	64QAM	75	0	21.78	21.43	21.60	21.27	21.43		
15	256QAM	1	0	19.65	19.28	19.56	19.50	19.37	20.5	
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	20.5	
15	256QAM	36	0	19.60	19.34	19.60	19.34	19.39		
15	256QAM	36	20	19.75	19.50	19.69	19.34	19.59	20.5	
15	256QAM	36	30	19.84	19.48	19.75	19.38	19.47		
15	256QAM	75	0	19.64	19.09	19.63	19.77	19.63		
Channel				36760	46160	40620	41060	41460		
Frequency (MHz)				26968	41023	40500	41000	41418		
10	QPSK	1	0	23.60	23.53	23.51	23.56	23.59	24.30	
10	QPSK	1	25	23.64	23.53	23.50	23.54	23.50		
10	QPSK	1	40	23.68	23.50	23.54	23.54	23.85	24.3	
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	0	23.03	22.79	23.14	22.71	22.98		
10	QPSK	50	0	23.14	22.85	23.18	22.97	22.81	24.3	
10	16QAM	1	0	23.44	23.00	23.36	23.38	23.34		
10	16QAM	1	24	23.38	23.06	23.38	22.80	23.00	24.3	
10	16QAM	1	40	23.40	23.18	23.42	23.02	23.13		
10	16QAM	25	0	22.40	22.32	22.50	22.36	22.38	23.5	
10	16QAM	25	12	22.68	22.25	22.52	22.34	22.37		
10	16QAM	25	20	22.66	22.20	22.60	22.26	22.30	23.5	
10	16QAM	50	0	22.60	22.31	22.58	22.14	22.40		
10	64QAM	1	0	22.51	22.44	22.54	22.41	22.38	23.5	
10	64QAM	1	24	22.41	22.14	22.49	22.21	22.33		
10	64QAM	1	40	22.57	22.22	22.39	21.90	22.30	22.5	
10	64QAM	25	0	21.70	21.54	21.72	21.53	21.65		
10	64QAM	25	12	21.71	21.62	21.71	21.63	21.52	22.5	
10	64QAM	25	25	21.83	21.42	21.71	21.61	21.48		
10	64QAM	50	0	21.81	21.38	21.62	21.24	21.50	20.5	
10	256QAM	1	0	19.65	19.36	19.62	19.33	19.46		
10	256QAM	1	25	19.46	19.30	19.61	19.50	19.32	20.5	
10	256QAM	1	40	19.45	19.30	19.45	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	20.5	
10	256QAM	50	0	19.72	19.43	19.65	19.79	19.65		
Channel				26968	41023	40500	41000	41418		
Frequency (MHz)				26968.5	2648.8	2593	2640.3	2692.5		
5	QPSK	1	0	23.70	23.53	23.51	23.52	23.51	24.30	
5	QPSK	1	40	23.51	23.50	23.50	23.50	23.51		
5	QPSK	1	24	23.68	23.51	23.50	23.52	23.51	24.3	
5	QPSK	12	0	23.30	22.96	23.19	22.88	22.88		
5	QPSK	12	7	23.02	22.79	23.03	22.99	22.99	24.3	
5	QPSK	12	13	23.20	22.86	23.04	22.77	22.98		
5	QPSK	25	0	23.20	22.90	23.07	23.54	22.84	24.3	
5	16QAM	1	0	23.48	23.21	23.25	23.39	23.20		
5	16QAM	1	12	23.40	23.16	23.41	22.77	23.24	24.3	
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	23.5	
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	22.64	22.50	22.27	23.5	
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	21.60	21.63	21.62	21.58	21.61		
5	64QAM	12	7	21.81	21.45	21.82	21.58	21.62	22.5	
5	64QAM	12	13	21.68	21.59	21.64	21.61	21.60		
5	64QAM	25	0	21.61	21.53	21.60	21.30	21.44	20.5	
5	256QAM	1	0	19.61	19.37	19.68	19.40	19.50		
5	256QAM	1	12	19.60	19.35	19.67	19.40	19.34	20.5	
5	256QAM	1	24	19.43	19.23	19.32	19.50	19.41		
5	256QAM	12	0	19.67	19.49	19.64	19.38	19.62	20.5	
5	256QAM	12	7	19.71	19.62	19.79	19.33	19.67		
5	256QAM	12	13	19.84	1					



Band 48_Ant 6									
Blk # (Hz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Hgt Ch / Freq	Take-up time (dB)	
Channel				56340	56930	56150	56640		
Frequency (MHz)				3660	3660	3644	3660		
20	QPSK	1	0	23.03	23.73	23.81	23.89	24.3	
20	QPSK	1	49	23.80	23.61	23.89	23.68		
20	QPSK	1	99	23.62	23.67	23.65	23.68	24.3	
20	QPSK	50	0	23.29	23.42	23.45	23.39		
20	QPSK	50	24	23.36	23.34	23.34	23.34	24.3	
20	QPSK	50	55	23.24	23.34	23.25	23.25		
20	QPSK	100	0	23.27	23.33	23.37	23.41	24.3	
20	16QAM	1	0	23.27	23.33	23.38	23.14		
20	16QAM	1	49	23.20	23.30	23.17	23.32	24.3	
20	16QAM	1	99	23.21	23.14	23.15	23.28		
20	16QAM	50	0	22.12	22.20	22.41	22.38	23.5	
20	16QAM	50	24	22.26	22.29	22.34	22.32		
20	16QAM	50	55	22.11	22.22	22.25	22.24	23.5	
20	16QAM	100	0	22.15	22.23	22.33	22.32		
20	64QAM	1	0	21.70	22.37	22.55	22.08	23.5	
20	64QAM	1	49	21.81	21.88	22.35	22.15		
20	64QAM	1	99	21.59	21.77	22.05	22.02	22.5	
20	64QAM	50	0	21.14	21.31	21.31	21.38		
20	64QAM	50	24	21.24	21.31	21.33	21.30	22.5	
20	64QAM	50	50	21.13	21.27	21.28	21.21		
20	64QAM	100	0	21.16	21.27	21.26	21.24	20.5	
20	256QAM	1	0	18.96	18.65	18.87	18.92		
20	256QAM	1	49	18.85	18.83	19.01	18.99	20.5	
20	256QAM	1	99	18.91	18.83	19.13	19.01		
20	256QAM	50	0	19.34	19.37	19.44	19.47	20.5	
20	256QAM	50	24	19.38	19.40	19.48	19.52		
20	256QAM	50	50	19.38	19.43	19.50	19.50	20.5	
20	256QAM	100	0	19.20	19.28	19.37	19.48		
Channel				56315	56905	56125	56615		
Frequency (MHz)				3657.5	3663	3642	3652.5		
15	QPSK	1	0	23.87	23.85	23.88	23.83	24.3	
15	QPSK	1	37	23.51	23.72	23.83	23.67		
15	QPSK	1	74	23.71	23.69	23.68	23.64	24.3	
15	QPSK	36	0	23.27	23.34	23.48	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	1	0	23.25	23.38	23.33	23.40	24.3	
15	16QAM	1	0	23.14	23.41	23.32	23.35		
15	16QAM	1	37	23.09	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	23.5	
15	16QAM	36	20	22.12	22.23	22.25	22.25		
15	16QAM	36	39	22.02	22.30	22.33	22.22	23.5	
15	16QAM	75	0	22.07	22.29	22.28	22.30		
15	16QAM	1	0	22.07	21.99	21.99	22.53	23.5	
15	64QAM	1	37	22.25	22.30	22.16	22.03		
15	64QAM	36	74	21.72	21.68	21.68	21.68	22.5	
15	64QAM	36	0	21.11	21.31	21.35	21.21		
15	64QAM	36	20	21.14	21.25	21.33	21.25	22.5	
15	64QAM	36	39	21.13	21.20	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	19.75	18.81	18.99	18.96	20.5	
15	256QAM	1	74	18.81	18.90	19.04	18.94		
15	256QAM	36	0	19.31	19.25	19.34	19.46	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	20.5	
15	256QAM	75	0	19.25	19.21	19.31	19.39		
Channel				56500	56815	56165	56650		
Frequency (MHz)				3665	3665	3645	3665		
10	QPSK	1	0	23.99	23.75	23.88	23.77	24.3	
10	QPSK	1	25	23.52	23.76	23.81	23.82		
10	QPSK	1	46	23.66	23.70	23.75	23.88	24.3	
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	23.36	23.37	23.41	24.3	
10	16QAM	1	0	23.17	23.42	23.44	23.45		
10	16QAM	1	24	23.33	23.32	23.18	23.35	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	23.5	
10	16QAM	25	12	22.11	22.37	22.30	22.32		
10	16QAM	25	26	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	23.5	
10	64QAM	1	26	21.64	22.13	22.04	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	21.09	22.5	
10	64QAM	25	25	21.15	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	18.76	18.82	18.89	20.5	
10	256QAM	1	46	18.70	18.90	18.98	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	19.25	19.41	19.50	20.5	
10	256QAM	50	0	19.18	19.16	19.23	19.39		
Channel				56855	56910	56170	56165		
Frequency (MHz)				3692.5	3693	3643	3697.5		
5	QPSK	1	0	23.92	23.74	23.88	23.78	24.3	
5	QPSK	1	12	23.54	23.80	23.80	23.73		
5	QPSK	1	24	23.88	23.80	23.78	23.66	24.3	
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	23.38	23.22		
5	QPSK	25	0	23.19	23.27	23.36	23.25	24.3	
5	16QAM	1	0	22.88	23.34	23.45	23.38		
5	16QAM	1	12	22.95	23.27	23.33	23.28	24.3	
5	16QAM	1	24	22.95	23.19	23.29	23.28		
5	16QAM	12	0	22.07	22.17	22.22	22.22	23.5	
5	16QAM	12	7	21.86	22.21	22.30	22.23		
5	16QAM	12	13	21.90	22.14	22.22	22.16	23.5	
5	16QAM	25	0	22.14	22.42	22.34	22.38		
5	16QAM	1	0	21.72	22.21	22.13	21.86	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	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	22.5	
5	64QAM	12	13	20.96	21.25	21.15	21.15		
5	64QAM	25	0	21.09	21.25	21.30	21.28	20.5	
5	256QAM	1	0	18.80	18.80	18.89	18.78		
5	256QAM	1	12	19.72	18.70	18.87	18.84	20.5	
5	256QAM	1	24	18.71	18.88	18.92	18.78		
5	256QAM	12	0	19.29	19.20	19.28	19.27	20.5	
5	256QAM	12	7	19.22	19.20	19.27	19.26		
5	256QAM	12	13	19.24	19.33	19.38	19.45	20.5	
5	256QAM	25	0	19.08	19.14	19.23	19.35		



Band 41 PC2_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Level Mod. Ch. / Freq.	Power Level Mod. Ch. / Freq.	Power Level High Mod. Ch. / Freq.	Power Level HP Ch. / Freq.	Power Level HP Ch. / Freq.	Take-up time (min)
Channel				36780	46185	40630	41955	41490		
Frequency (MHz)				2668	2668.5	2669	2669.5	2670		
20	QPSK	1	0	25.82	25.89	25.80	25.81	25.84	27.10	
20	QPSK	1	40	25.73	25.82	25.72	25.88	25.67		
20	QPSK	1	80	25.63	25.76	25.68	25.68	25.68		
20	QPSK	50	0	25.74	25.81	25.70	25.73	25.82		
20	QPSK	50	24	25.77	25.81	25.75	25.75	25.85	26.5	
20	QPSK	50	24	25.53	25.87	25.58	25.80	25.92		
20	16QAM	100	0	25.82	25.87	25.73	25.74	25.82		
20	16QAM	100	0	25.65	25.82	25.62	25.65	25.78		
20	16QAM	1	40	25.55	25.76	25.64	25.81	25.83	26.5	
20	16QAM	1	80	25.60	25.78	25.65	25.63	25.81		
20	16QAM	50	0	24.27	24.30	24.24	24.38	24.21		
20	16QAM	50	24	24.40	24.29	24.09	24.20	24.00	26.5	
20	16QAM	50	24	24.20	24.25	24.25	24.25	24.25		
20	16QAM	100	0	24.42	24.24	24.05	24.10	24.21		
20	16QAM	1	0	24.26	24.44	24.26	24.11	24.05	26.5	
20	16QAM	1	40	24.11	24.30	24.25	24.21	24.21		
20	16QAM	1	80	24.34	24.11	24.25	23.91	24.07		
20	16QAM	50	0	23.97	23.17	23.31	23.08	23.08		
20	16QAM	50	24	23.54	23.31	23.51	23.09	22.95	24.5	
20	16QAM	50	50	23.33	23.00	23.20	23.12	23.13		
20	16QAM	100	0	23.31	23.33	23.00	23.00	22.95		
20	256QAM	1	0	21.81	20.92	21.35	21.01	21.16	22.5	
20	256QAM	1	40	21.20	20.99	20.97	21.07	20.99		
20	256QAM	1	80	21.25	20.79	21.09	20.83	20.90		
20	256QAM	50	0	21.25	21.20	21.34	21.09	21.05		
20	256QAM	50	24	21.47	21.43	21.74	21.11	21.07	22.5	
20	256QAM	50	50	21.43	21.27	21.44	21.29	21.00		
20	256QAM	100	0	21.17	21.15	21.25	21.09	21.27		
Channel				37023	41113	40700	41955	41410		
Frequency (MHz)				2503.4	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	25.74	25.84	25.62	25.67	25.78	27.10	
15	QPSK	1	40	25.60	25.82	25.69	25.63	25.48		
15	QPSK	1	74	25.44	25.84	25.59	25.56	25.81		
15	QPSK	36	0	25.61	25.81	25.58	25.79	25.78	26.5	
15	QPSK	36	20	25.52	25.80	25.62	25.63	25.80		
15	QPSK	36	50	25.40	25.53	25.41	25.58	25.53		
15	QPSK	75	0	25.61	25.68	25.62	25.68	25.62		
15	16QAM	1	0	25.48	25.72	25.54	25.56	25.88	26.5	
15	16QAM	1	40	25.40	25.56	25.51	25.46	25.50		
15	16QAM	1	74	25.60	25.73	25.63	25.45	25.79		
15	16QAM	36	0	24.00	24.22	24.24	23.82	24.11	26.5	
15	16QAM	36	20	24.30	24.10	23.97	24.07	24.06		
15	16QAM	36	50	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	16QAM	1	0	24.25	24.40	24.19	24.01	24.00	26.5	
15	16QAM	1	37	23.99	24.37	24.15	24.18	24.13		
15	16QAM	36	74	24.20	24.07	24.00	23.81	23.81	24.5	
15	16QAM	36	74	23.17	23.00	23.31	22.83	22.95		
15	16QAM	36	20	23.18	23.17	23.21	22.92	22.78	24.5	
15	16QAM	75	0	23.30	23.00	23.15	22.96	23.04		
15	16QAM	75	0	23.27	23.17	22.88	23.05	22.80		
15	256QAM	1	0	21.45	20.81	21.18	21.01	21.02	22.5	
15	256QAM	1	40	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	21.12	21.07	21.07		
15	256QAM	36	20	21.30	21.23	21.04	21.07	21.14	22.5	
15	256QAM	36	50	21.34	21.17	21.31	21.12	20.99		
15	256QAM	75	0	21.04	21.08	21.09	21.09	21.09		
Channel				36780	46180	40630	41955	41540		
Frequency (MHz)				2571	2580	2575	2585	2583		
10	QPSK	1	0	25.71	25.80	25.75	25.85	25.83	27.10	
10	QPSK	1	25	25.57	25.82	25.65	25.65	25.48		
10	QPSK	1	40	25.61	25.85	25.65	25.61	25.80		
10	QPSK	25	0	25.54	25.73	25.62	25.63	25.70		
10	QPSK	25	12	25.64	25.63	25.61	25.49	25.43	26.5	
10	QPSK	25	12	25.45	25.69	25.45	25.52	25.44		
10	QPSK	50	0	25.62	25.73	25.67	25.69	25.76		
10	16QAM	1	24	25.68	25.71	25.64	25.64	25.67	26.5	
10	16QAM	1	40	25.55	25.80	25.68	25.68	25.67		
10	16QAM	1	60	25.60	25.78	25.62	25.51	25.69		
10	16QAM	25	0	24.15	24.22	24.00	23.90	24.21		
10	16QAM	25	12	24.38	24.27	24.08	24.12	24.05	26.5	
10	16QAM	25	20	24.10	24.24	24.25	24.17	23.88		
10	16QAM	50	0	24.40	24.24	23.90	24.03	24.03		
10	16QAM	1	0	24.23	24.38	24.21	23.94	23.97	26.5	
10	16QAM	1	24	24.02	24.31	24.03	24.18	24.21		
10	16QAM	1	40	24.22	24.08	24.09	23.72	24.03		
10	16QAM	25	0	23.34	23.10	23.26	23.03	23.00	24.5	
10	16QAM	25	12	23.08	23.20	23.24	22.92	22.87		
10	16QAM	25	25	23.24	23.00	23.09	23.08	22.93		
10	16QAM	50	0	23.18	23.31	22.89	22.88	22.84		
10	256QAM	1	0	21.46	20.75	21.27	20.89	21.16	22.5	
10	256QAM	1	25	21.12	20.85	20.82	20.86	20.82		
10	256QAM	1	40	21.20	20.80	21.05	20.83	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	21.55	21.23	20.80		
10	256QAM	50	0	21.01	21.02	21.18	21.03	21.23		
Channel				36984	41418	40630	41955	41490		
Frequency (MHz)				2498.5	2548.8	2593	2640.3	2687.5		
5	QPSK	1	0	25.72	25.75	25.80	25.82	25.78	27.10	
5	QPSK	1	40	25.67	25.79	25.61	25.67	25.57		
5	QPSK	1	24	25.52	25.58	25.52	25.49	25.54		
5	QPSK	12	0	25.50	25.69	25.59	25.53	25.63	26.5	
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		
5	QPSK	25	0	25.70	25.85	25.62	25.56	25.45		
5	16QAM	1	0	25.50	25.74	25.60	25.63	25.56	26.5	
5	16QAM	1	12	25.54	25.67	25.40	25.45	25.63		
5	16QAM	1	24	25.67	25.72	25.62	25.53	25.81		
5	16QAM	12	0	24.22	24.20	24.21	23.88	24.16	26.5	
5	16QAM	12	7	24.26	24.24	24.02	24.08	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	16QAM	1	0	24.20	24.30	24.22	24.06	24.01	26.5	
5	16QAM	1	12	24.01	24.21	24.12	24.08	24.08		
5	16QAM	1	24	24.10	23.99	24.25	23.79	24.02		
5	16QAM	12	0	23.97	23.16	23.11	22.97	22.91		
5	16QAM	12	7	23.11	23.19	23.12	22.89	22.90	24.5	
5	16QAM	12	13	23.16	23.07	23.08	22.98	22.88		
5	16QAM	25	0	23.30	23.25	22.84	23.05	22.89		
5	256QAM	1	0	21.82	20.85	21.29	20.93	21.08	22.5	
5	256QAM	1	12	21.18	20.80	20.84	20.87	20.82		
5	256QAM	1	24	21.23	20.87	20.89	20.72	20.88		
5	256QAM	12	0	21.05	21.12	21.14	20.94	20.86		
5	256QAM	12	7	21.23	21.27	21.04	20.91	21.09		
5	256QAM	12	13	21.41	21.07	21.32	21.22	20.83		
5	256QAM	25	0	21.13	20.95	21.25	20.98	21.18		



Band 41 PC3_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Take-up time (dB)
Channel				36760	46185	40620	41055	41490		
Frequency (MHz)				2668	26918	2696	26966	2696		
20	QPSK	1	0	23.74	23.58	23.59	23.55	23.51		25.5
20	QPSK	1	40	23.70	23.54	23.55	23.52	23.50		
20	QPSK	1	80	23.71	23.55	23.56	23.54	23.50		
20	QPSK	50	0	23.30	22.98	23.20	23.05	23.04		
20	QPSK	50	24	23.22	22.96	23.12	22.98	22.98		24.5
20	QPSK	50	24	23.23	22.92	23.14	22.85	22.99		
20	QPSK	100	0	23.32	23.02	23.21	23.07	23.08		
20	16QAM	1	0	23.55	23.34	23.64	23.53	23.38		24.5
20	16QAM	1	40	23.50	23.21	23.54	22.82	23.31		
20	16QAM	1	80	23.57	23.24	23.62	23.09	23.30		
20	16QAM	50	0	22.65	22.43	22.62	22.49	22.48		23.5
20	16QAM	50	24	22.68	22.42	22.61	22.49	22.49		
20	16QAM	50	24	22.69	22.38	22.62	22.54	22.54		
20	16QAM	100	0	22.55	22.43	22.53	22.21	22.47		
20	64QAM	1	0	22.57	22.44	22.68	22.57	22.39		23.5
20	64QAM	1	40	22.51	22.38	22.51	22.38	22.38		
20	64QAM	1	80	22.58	22.37	22.56	22.14	22.42		
20	64QAM	50	0	21.85	21.65	21.83	21.11	21.68		22.5
20	64QAM	50	24	21.87	21.63	21.82	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	19.65	19.41	19.70	19.60	19.54		20.5
20	256QAM	1	40	19.60	19.36	19.62	19.50	19.42		
20	256QAM	1	80	19.65	19.36	19.62	19.11	19.42		
20	256QAM	50	0	19.85	19.67	19.84	19.26	19.70		
20	256QAM	50	24	19.87	19.63	19.81	19.47	19.69		20.5
20	256QAM	50	50	19.88	19.62	19.81	19.41	19.67		
20	256QAM	100	0	19.81	19.59	19.78	19.34	19.85		
Channel				26964	31013	31020	31025	31035		
Frequency (MHz)				26934	26483	2593	26373	26925		
15	QPSK	1	0	23.68	23.58	23.52	23.50	23.54		25.50
15	QPSK	1	37	23.62	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	23.56	22.86		24.5
15	QPSK	36	20	23.08	22.86	23.04	22.79	22.98		
15	QPSK	36	50	23.10	22.81	22.84	22.87	22.83		
15	QPSK	75	0	23.20	22.87	23.12	22.88	22.95		24.5
15	16QAM	1	0	23.38	23.31	23.59	23.50	23.32		
15	16QAM	1	37	23.42	23.16	23.53	22.89	23.22		
15	16QAM	1	74	23.42	23.12	23.50	22.90	23.11		
15	16QAM	36	0	22.80	22.26	22.48	22.50	22.39		23.5
15	16QAM	36	20	22.84	22.76	22.73	22.46	22.26		
15	16QAM	36	50	22.87	22.19	22.48	22.37	22.27		
15	16QAM	75	0	22.60	22.28	22.67	22.08	22.41		23.5
15	64QAM	1	0	22.41	22.39	22.65	22.96	22.22		
15	64QAM	1	37	22.43	22.18	22.42	22.29	22.22		
15	64QAM	36	0	22.44	22.17	22.55	22.05	22.28		22.5
15	64QAM	36	20	21.78	21.81	21.62	21.65	21.53		
15	64QAM	36	50	21.70	21.45	21.50	21.45	21.45		22.5
15	64QAM	75	0	21.78	21.43	21.60	21.27	21.43		
15	256QAM	1	0	19.65	19.28	19.56	19.50	19.37		20.5
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	19.34	19.62	19.34	19.40		20.5
15	256QAM	36	20	19.75	19.50	19.69	19.34	19.59		
15	256QAM	36	50	19.84	19.48	19.75	19.38	19.47		
15	256QAM	75	0	19.64	19.09	19.63	19.77	19.63		
Channel				36760	46180	40620	41055	41490		
Frequency (MHz)				26964	26966	26966	26966	26966		
10	QPSK	1	0	23.60	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	23.54	23.54	23.55		
10	QPSK	25	0	23.22	22.81	23.01	23.02	23.04		24.5
10	QPSK	25	12	23.03	22.95	23.02	22.85	23.02		
10	QPSK	25	12	23.03	22.79	23.14	22.71	22.98		
10	QPSK	50	0	23.14	22.85	23.18	22.97	23.01		24.5
10	16QAM	1	0	23.44	23.30	23.56	23.56	23.38		
10	16QAM	1	24	23.38	23.06	23.50	22.80	23.00		24.5
10	16QAM	1	40	23.40	23.18	23.42	23.02	23.13		
10	16QAM	25	0	22.60	22.32	22.50	22.76	22.38		23.5
10	16QAM	25	12	22.68	22.25	22.52	22.34	22.37		
10	16QAM	25	20	22.66	22.20	22.60	22.26	22.30		
10	16QAM	50	0	22.60	22.31	22.58	22.14	22.40		23.5
10	64QAM	1	0	22.51	22.44	22.54	22.41	22.36		
10	64QAM	1	24	22.41	22.14	22.49	22.21	22.33		22.5
10	64QAM	1	40	22.57	22.22	22.39	21.90	22.30		
10	64QAM	25	0	21.70	21.54	21.72	21.53	21.65		22.5
10	64QAM	25	12	21.71	21.52	21.71	21.63	21.52		
10	64QAM	25	20	21.83	21.42	21.71	21.61	21.48		
10	64QAM	50	0	21.81	21.38	21.62	21.24	21.50		20.5
10	256QAM	1	0	19.65	19.36	19.62	19.33	19.46		
10	256QAM	1	25	19.46	19.30	19.61	19.50	19.32		
10	256QAM	1	40	19.45	19.30	19.46	19.03	19.25		20.5
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		
10	256QAM	25	20	19.70	19.61	19.61	19.41	19.66		
10	256QAM	50	0	19.72	19.43	19.65	19.79	19.65		
Channel				26964	41478	40620	41055	41490		
Frequency (MHz)				26965	26483	2593	26403	26975		
5	QPSK	1	0	23.70	23.53	23.51	23.52	23.51		25.50
5	QPSK	1	8	23.51	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		24.5
5	QPSK	12	7	23.02	22.79	23.03	22.99	22.99		
5	QPSK	12	13	23.20	22.86	23.04	22.77	22.98		
5	QPSK	25	0	23.20	22.90	23.07	23.04	22.94		24.5
5	16QAM	1	0	23.46	23.21	23.55	23.39	23.26		
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		23.5
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		
5	16QAM	25	0	22.52	22.38	22.54	22.05	22.30		23.5
5	64QAM	1	0	22.41	22.44	22.54	22.50	22.27		
5	64QAM	1	12	22.33	22.20	22.40	22.25	22.17		23.5
5	64QAM	1	24	22.48	22.23	22.51	21.94	22.25		
5	64QAM	12	0	21.60	21.63	21.62	21.58	21.61		22.5
5	64QAM	12	7	21.81	21.45	21.82	21.58	21.62		
5	64QAM	12	13	21.83	21.59	21.64	21.61	21.60		
5	64QAM	25	0	21.61	21.53	21.60	21.30	21.44		20.5
5	256QAM	1	0	19.61	19.37	19.68	19.40	19.50		
5	256QAM	1	8	19.60	19.35	19.67	19.40	19.34		
5	256QAM	1	24	19.43	19.23	19.				



Band 48_Ant 2									
Blk # (Hz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Hgt Ch / Freq	Take-up time (dB)	
Channel				56340	56830	56150	56640		
Frequency (MHz)				3600	3600	3640	3600		
20	QPSK	1	0	23.03	23.73	23.81	23.89	25.5	
20	QPSK	1	49	23.80	23.61	23.89	23.68		
20	QPSK	1	99	23.02	23.67	23.65	23.68		
20	QPSK	50	0	23.29	23.42	23.45	23.39		
20	QPSK	50	24	23.06	23.34	23.36	23.34	24.5	
20	QPSK	50	55	23.24	23.34	23.25	23.25		
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	24.5	
20	16QAM	1	99	23.21	23.14	23.15	23.28		
20	16QAM	50	0	22.12	22.20	22.41	22.38		
20	16QAM	50	24	22.26	22.29	22.34	22.32		
20	16QAM	50	55	22.11	22.22	22.25	22.24	23.5	
20	16QAM	100	0	22.15	22.23	22.33	22.32		
20	64QAM	1	0	21.70	22.37	22.55	22.08		
20	64QAM	1	49	21.81	21.88	22.35	22.15		
20	64QAM	1	99	21.99	21.77	22.05	22.02	22.5	
20	64QAM	50	0	21.14	21.31	21.31	21.38		
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	21.26	21.24	20.5	
20	256QAM	1	0	18.96	18.65	18.87	18.92		
20	256QAM	1	49	18.85	18.83	19.01	18.99		
20	256QAM	1	99	18.91	18.83	19.13	19.01		
20	256QAM	50	0	19.34	19.37	19.44	19.47	20.5	
20	256QAM	50	24	19.38	19.40	19.48	19.52		
20	256QAM	50	50	19.38	19.43	19.50	19.50		
20	256QAM	100	0	19.20	19.28	19.37	19.48		
Channel				3600	3600	3640	3600		
Frequency (MHz)				3607.5	3603	3642	3602.5		
15	QPSK	1	0	23.87	23.85	23.88	23.83	25.5	
15	QPSK	1	37	23.51	23.72	23.83	23.67		
15	QPSK	1	74	23.71	23.69	23.68	23.64		
15	QPSK	36	0	23.27	23.34	23.48	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	1	0	23.05	23.38	23.33	23.40		
15	16QAM	1	0	23.14	23.41	23.32	23.35		
15	16QAM	1	37	23.09	23.32	23.30	23.36	24.5	
15	16QAM	1	74	23.08	23.02	23.38	23.01		
15	16QAM	36	0	22.20	22.25	22.32	22.28		
15	16QAM	36	20	22.12	22.20	22.25	22.25		
15	16QAM	36	39	22.02	22.30	22.33	22.22	23.5	
15	16QAM	75	0	22.07	22.29	22.28	22.30		
15	16QAM	1	0	22.07	21.99	21.99	22.53		
15	64QAM	1	37	22.25	22.30	22.16	22.03		
15	64QAM	36	74	21.72	21.58	21.58	21.58	22.5	
15	64QAM	36	0	21.11	21.31	21.35	21.21		
15	64QAM	36	20	21.14	21.25	21.33	21.25		
15	64QAM	36	39	21.13	21.20	21.16	21.22		
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	19.75	18.81	18.99	18.96		
15	256QAM	1	74	18.81	18.90	19.04	18.94		
15	256QAM	36	0	19.31	19.25	19.34	19.46	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	1	0	19.25	19.21	19.31	19.39		
Channel				56500	56815	56165	56650		
Frequency (MHz)				3600	3600	3640	3600		
10	QPSK	1	0	23.99	23.75	23.88	23.77	25.5	
10	QPSK	1	25	23.52	23.76	23.81	23.82		
10	QPSK	1	46	23.66	23.20	23.75	23.88		
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	23.44	23.44	23.45		
10	16QAM	1	24	23.33	23.32	23.18	23.35	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	22.30	22.32		
10	16QAM	25	26	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	26	21.64	22.12	22.04	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	21.15	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	18.76	18.82	18.89		
10	256QAM	1	46	18.70	18.90	18.98	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	19.25	19.41	19.50		
10	256QAM	50	0	19.18	19.16	19.23	19.39		
Channel				3600	3600	3640	3600		
Frequency (MHz)				3607.5	3603	3643	3607.5		
5	QPSK	1	0	23.92	23.74	23.88	23.78	25.5	
5	QPSK	1	12	23.54	23.80	23.80	23.73		
5	QPSK	1	24	23.88	23.80	23.76	23.66		
5	QPSK	12	0	23.06	23.28	23.35	23.26		
5	QPSK	12	7	23.07	23.35	23.27	23.33	24.5	
5	QPSK	12	13	23.19	23.27	23.35	23.22		
5	QPSK	25	0	23.19	23.27	23.36	23.25		
5	16QAM	1	0	22.88	23.34	23.45	23.38		
5	16QAM	1	12	22.95	23.27	23.33	23.28	24.5	
5	16QAM	1	24	22.95	23.19	23.29	23.28		
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	21.90	22.14	22.22	22.16	23.5	
5	16QAM	25	0	22.14	22.42	22.34	22.38		
5	16QAM	1	0	21.72	22.21	22.13	21.86		
5	16QAM	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	21.19		
5	64QAM	12	7	21.14	21.29	21.26	21.20		
5	64QAM	12	13	20.96	21.25	21.15	21.15		
5	64QAM	25	0	21.09	21.25	21.30	21.28	20.5	
5	256QAM	1	0	18.80	18.80	18.89	18.78		
5	256QAM	1	12	19.72	18.20	18.87	18.84		
5	256QAM	1	24	18.71	18.88	18.92	18.78		
5	256QAM	12	0	19.29	19.20	19.28	19.27	20.5	
5	256QAM	12	7	19.22	19.20	19.27	19.25		
5	256QAM	12	13	19.24	19.33	19.38	19.45		
5	256QAM	25	0	19.08	19.14	19.23	19.35		



Band 41 PC2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power High Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)									
20	QPSK	1	0	25.82	25.89	25.80	25.81	25.84	
20	QPSK	1	49	25.73	25.82	25.72	25.88	25.87	25.9
20	QPSK	1	99	25.63	25.78	25.65	25.88	25.88	
20	QPSK	50	0	25.74	25.81	25.70	25.73	25.82	
20	QPSK	50	24	25.71	25.81	25.62	25.85	25.85	25.9
20	QPSK	50	50	25.55	25.87	25.60	25.82	25.82	
20	QPSK	100	0	25.82	25.87	25.73	25.74	25.82	
20	QPSK	100	24	25.65	25.82	25.62	25.85	25.85	25.9
20	QPSK	1	49	25.55	25.76	25.64	25.81	25.83	25.9
20	QPSK	1	99	25.69	25.78	25.65	25.83	25.81	
20	QPSK	50	0	24.27	24.39	24.24	24.24	24.21	
20	QPSK	50	24	24.40	24.29	24.09	24.20	24.20	25.5
20	QPSK	50	50	24.26	24.43	24.34	24.35	24.35	
20	QPSK	100	0	24.42	24.51	24.25	24.10	24.21	
20	QPSK	1	0	24.26	24.44	24.26	24.11	24.05	25.5
20	QPSK	1	49	24.10	24.39	24.22	24.21	24.21	
20	QPSK	1	99	24.34	24.11	24.25	23.91	24.07	
20	QPSK	50	0	23.37	23.17	23.31	23.06	23.06	24.5
20	QPSK	50	24	23.24	23.31	23.31	23.06	22.95	
20	QPSK	50	50	23.33	23.09	23.20	23.12	23.13	
20	QPSK	100	0	23.51	23.34	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	49	21.29	20.99	20.97	21.07	20.99	
20	QPSK	50	0	21.26	20.79	21.00	20.83	20.90	22.5
20	QPSK	50	24	21.25	21.20	21.34	21.00	21.05	
20	QPSK	50	50	21.41	21.43	21.14	21.11	21.27	
20	QPSK	100	0	21.43	21.27	21.44	21.26	21.50	
20	QPSK	100	24	21.17	21.15	21.25	21.09	21.27	
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)									
15	QPSK	1	0	25.74	25.84	25.82	25.87	25.78	
15	QPSK	1	34	25.99	25.82	25.68	25.53	25.48	25.90
15	QPSK	1	74	25.44	25.84	25.56	25.56	25.81	
15	QPSK	36	0	25.68	25.81	25.59	25.70	25.71	
15	QPSK	36	20	25.62	25.80	25.62	25.53	25.60	25.9
15	QPSK	36	30	25.49	25.63	25.41	25.58	25.63	
15	QPSK	75	0	25.68	25.68	25.59	25.68	25.62	
15	QPSK	1	0	25.48	25.72	25.54	25.66	25.58	25.9
15	QPSK	1	37	25.46	25.66	25.81	25.46	25.50	
15	QPSK	1	74	25.96	25.73	25.45	25.45	25.75	
15	QPSK	36	0	24.09	24.52	24.24	23.92	24.11	
15	QPSK	36	20	24.56	24.10	24.37	24.07	24.00	25.5
15	QPSK	36	30	24.11	24.42	24.18	24.11	23.97	
15	QPSK	75	0	24.52	24.24	24.30	24.05	24.14	
15	QPSK	1	0	24.22	24.40	24.19	24.01	24.00	25.5
15	QPSK	1	37	23.99	24.37	24.15	24.18	24.13	
15	QPSK	1	74	24.26	24.07	24.51	24.11	23.94	
15	QPSK	36	0	23.17	23.00	23.11	22.88	23.05	24.5
15	QPSK	36	20	23.18	23.17	23.21	22.92	22.78	
15	QPSK	36	30	23.30	23.00	23.18	22.86	23.04	
15	QPSK	75	0	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	1	37	21.14	20.99	20.86	20.93	20.87	
15	QPSK	1	74	21.12	20.99	20.97	20.74	20.75	
15	QPSK	36	0	21.17	21.08	21.06	20.83	20.83	
15	QPSK	36	20	21.30	21.03	21.04	21.00	21.14	22.5
15	QPSK	36	30	21.34	21.17	21.31	21.12	20.89	
15	QPSK	75	0	21.04	21.08	21.00	20.89	21.26	
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)									
10	QPSK	1	0	25.71	25.80	25.75	25.66	25.83	
10	QPSK	1	25	25.67	25.82	25.66	25.85	25.48	25.90
10	QPSK	1	49	25.61	25.86	25.65	25.81	25.68	
10	QPSK	25	0	25.54	25.73	25.62	25.53	25.70	
10	QPSK	25	12	25.84	25.63	25.51	25.49	25.43	25.9
10	QPSK	25	25	25.45	25.69	25.45	25.55	25.44	
10	QPSK	50	0	25.62	25.73	25.67	25.69	25.76	
10	QPSK	1	0	25.56	25.71	25.42	25.44	25.34	25.9
10	QPSK	1	24	25.65	25.69	25.48	25.51	25.71	
10	QPSK	1	49	25.59	25.78	25.62	25.51	25.69	
10	QPSK	1	99	24.15	24.22	24.09	23.90	24.21	
10	QPSK	25	0	24.36	24.27	24.06	24.12	24.05	25.5
10	QPSK	25	25	24.16	24.24	24.25	24.17	23.86	
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	25.5
10	QPSK	1	24	24.12	24.31	24.10	24.16	24.21	
10	QPSK	1	49	24.22	24.08	24.09	23.72	24.03	
10	QPSK	25	0	23.34	23.10	23.28	23.03	23.00	24.5
10	QPSK	25	12	23.08	23.29	23.24	22.92	22.87	
10	QPSK	25	25	23.24	23.00	23.00	23.88	22.93	
10	QPSK	50	0	23.18	23.31	22.89	22.88	22.94	
10	QPSK	1	0	21.46	20.75	21.22	20.89	21.16	22.5
10	QPSK	1	25	21.12	20.85	20.82	20.98	20.82	
10	QPSK	1	49	21.00	20.85	21.06	20.83	20.81	
10	QPSK	25	0	21.23	21.16	21.23	20.95	20.88	22.5
10	QPSK	25	12	21.21	21.34	21.07	20.95	21.25	
10	QPSK	25	25	21.31	21.19	21.35	21.23	20.80	
10	QPSK	50	0	21.01	21.02	21.19	21.03	21.23	
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)									
5	QPSK	1	0	25.72	25.75	25.80	25.62	25.76	
5	QPSK	1	12	25.67	25.78	25.63	25.87	25.57	25.90
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	
5	QPSK	12	7	25.71	25.69	25.56	25.49	25.56	25.9
5	QPSK	12	13	25.65	25.49	25.43	25.60	25.40	
5	QPSK	25	0	25.78	25.85	25.60	25.86	25.80	
5	QPSK	1	0	25.60	25.74	25.60	25.53	25.58	25.9
5	QPSK	1	12	25.54	25.67	25.49	25.45	25.63	
5	QPSK	1	24	25.67	25.72	25.60	25.53	25.81	
5	QPSK	12	0	24.22	24.20	24.21	23.88	24.16	25.5
5	QPSK	12	7	24.28	24.24	24.02	24.06	24.04	
5	QPSK	12	13	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	25.5
5	QPSK	1	12	24.01	24.21	24.12	24.08	24.08	
5	QPSK	1	24	24.19	23.99	24.25	23.75	24.02	
5	QPSK	12	0	23.27	23.16	23.11	22.97	22.91	24.5
5	QPSK	12	7	23.11	23.19	23.12	22.89	22.80	
5	QPSK	12	13	23.16	23.07	23.08	22.86	22.88	
5	QPSK	25	0	23.30	23.20	23.84	23.05	22.88	
5	QPSK	1	0	21.52	20.85	21.29	20.93	21.09	22.5
5	QPSK	1	12	21.18	20.80	20.84	20.87	20.82	
5	QPSK	1	24	21.25	20.87	20.89	20.72	20.88	
5	QPSK	12	0	21.09	21.12	21.14	20.94	20.86	22.5
5	QPSK	12	7	21.23	21.27	21.04	20.91	21.00	
5	QPSK	12	13	21.41	21.07	21.32	21.22	20.83	
5	QPSK	25	0	21.19	20.85	21.20	20.96	21.18	



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 Mid Ch / Freq	Power High Low Ch / Freq	Turn-up time (sec)
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.74	23.58	23.59	23.58	23.51		24.3
20	QPSK	1	49	23.70	23.54	23.55	23.52	23.50		
20	QPSK	1	99	23.72	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	22.98	23.00		24.3
20	QPSK	100	0	23.32	23.02	23.21	23.07	23.08		
20	HQDM	1	0	23.52	23.34	23.34	23.53	23.35		
20	HQDM	1	49	23.50	23.21	23.54	22.82	23.31		24.3
20	HQDM	1	99	23.57	23.24	23.52	23.09	23.30		
20	HQDM	50	0	22.85	22.43	22.82	22.51	22.48		
20	HQDM	50	24	22.88	22.42	22.81	22.49	22.48		23.5
20	HQDM	100	0	22.88	22.38	22.82	22.42	22.48		
20	HQDM	100	0	22.85	22.43	22.23	22.21	22.17		
20	HQDM	1	0	22.57	22.44	22.88	22.57	22.59		23.5
20	HQDM	1	49	23.52	22.28	23.24	22.30	22.28		
20	HQDM	1	99	22.58	22.27	22.26	22.14	22.42		
20	HQDM	50	0	21.89	21.85	21.83	21.71	21.88		22.5
20	HQDM	50	24	21.87	21.83	21.83	21.68	21.88		
20	HQDM	100	0	21.88	21.59	21.79	21.83	21.84		
20	ZSSGDM	100	0	21.79	21.54	21.74	21.36	21.60		
20	ZSSGDM	1	0	19.65	19.41	19.70	19.50	19.54		
20	ZSSGDM	1	49	19.60	19.36	19.62	19.50	19.42		20.5
20	ZSSGDM	1	99	19.62	19.38	19.62	19.11	19.42		
20	ZSSGDM	50	0	19.85	19.67	19.84	19.26	19.70		20.5
20	ZSSGDM	50	24	19.87	19.63	19.81	19.41	19.69		
20	ZSSGDM	100	0	19.88	19.62	19.81	19.41	19.67		
20	ZSSGDM	100	0	19.81	19.59	19.78	18.94	19.65		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.68	23.58	23.52	23.50	23.54		
15	QPSK	1	39	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	23.20	22.96	22.88		
15	QPSK	36	20	23.08	22.80	23.04	22.79	22.58		24.3
15	QPSK	36	39	23.19	22.81	22.94	22.67	22.63		
15	QPSK	1	0	23.20	22.87	23.12	22.88	22.85		
15	HQDM	1	0	23.38	23.31	23.59	23.50	23.32		24.3
15	HQDM	1	37	23.42	23.18	23.53	22.69	23.22		
15	HQDM	1	74	23.42	23.12	23.50	22.90	23.11		
15	HQDM	36	0	22.60	22.38	22.48	22.50	22.29		
15	HQDM	36	20	22.54	22.38	22.48	22.48	22.28		23.5
15	HQDM	36	39	22.67	22.19	22.48	22.37	22.27		
15	HQDM	75	0	22.60	22.38	22.57	22.08	22.41		
15	HQDM	1	0	22.44	22.39	22.66	22.58	22.22		
15	HQDM	1	37	22.43	22.18	22.42	22.29	22.22		23.5
15	HQDM	1	74	22.43	22.17	22.41	22.28	22.22		
15	HQDM	36	0	21.77	21.53	21.61	21.54	21.57		
15	HQDM	36	20	21.78	21.51	21.82	21.65	21.53		22.5
15	HQDM	36	39	21.79	21.45	21.59	21.46	21.45		
15	HQDM	75	0	21.76	21.43	21.80	21.27	21.43		
15	ZSSGDM	1	0	19.65	19.28	19.56	19.50	19.27		20.5
15	ZSSGDM	1	37	19.46	19.33	19.59	19.33	19.26		
15	ZSSGDM	1	74	19.59	19.31	19.47	18.91	19.40		
15	ZSSGDM	36	0	19.66	19.44	19.64	19.15	19.50		
15	ZSSGDM	36	20	19.75	19.50	19.65	19.14	19.59		20.5
15	ZSSGDM	36	39	19.84	19.48	19.75	19.38	19.47		
15	ZSSGDM	75	0	19.84	19.59	19.63	19.17	19.63		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.69	23.53	23.51	23.56	23.50		
10	QPSK	1	25	23.64	23.53	23.50	23.54	23.50		24.30
10	QPSK	1	49	23.56	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	1	0	23.03	22.78	23.14	22.71	22.89		
10	QPSK	50	0	23.14	22.85	23.18	22.97	22.91		
10	HQDM	1	0	23.40	23.30	23.50	23.39	23.39		
10	HQDM	1	24	23.38	23.00	23.50	22.80	23.39		24.3
10	HQDM	1	49	23.45	23.18	23.42	23.02	23.13		
10	HQDM	25	0	22.49	22.32	22.52	22.35	22.38		
10	HQDM	25	12	22.66	22.25	22.52	22.34	22.37		23.5
10	HQDM	50	0	22.68	22.53	22.60	22.26	22.30		
10	HQDM	50	0	22.53	22.31	22.56	22.14	22.40		
10	HQDM	1	0	22.81	22.44	22.54	22.41	22.38		23.5
10	HQDM	1	24	22.44	22.14	22.49	22.31	22.30		
10	HQDM	1	49	22.67	22.32	22.30	21.96	22.30		
10	HQDM	25	0	21.76	21.54	21.72	21.53	21.65		
10	HQDM	25	12	21.74	21.52	21.71	21.53	21.52		22.5
10	HQDM	25	25	21.83	21.42	21.71	21.81	21.48		
10	HQDM	50	0	21.81	21.38	21.62	21.24	21.50		
10	ZSSGDM	1	0	19.65	19.38	19.62	19.53	19.46		
10	ZSSGDM	1	25	19.46	19.30	19.61	19.50	19.52		20.5
10	ZSSGDM	1	49	19.46	19.30	19.48	19.03	19.25		
10	ZSSGDM	25	0	19.73	19.60	19.64	19.16	19.54		
10	ZSSGDM	25	12	19.72	19.58	19.67	19.34	19.57		20.5
10	ZSSGDM	25	25	19.79	19.61	19.61	19.41	19.66		
10	ZSSGDM	50	0	19.75	19.43	19.65	19.79	19.65		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.70	23.53	23.51	23.52	23.51		
5	QPSK	1	12	23.57	23.50	23.50	23.50	23.51		24.30
5	QPSK	1	24	23.88	23.61	23.50	23.52	23.51		
5	QPSK	12	0	23.30	22.98	23.10	22.88	22.88		
5	QPSK	12	7	23.02	22.79	23.03	22.80	22.80		24.3
5	QPSK	12	13	23.23	22.88	23.04	22.77	22.80		
5	QPSK	25	0	23.50	22.80	23.07	22.91	22.84		
5	HQDM	1	0	23.46	23.21	23.25	23.20	23.26		
5	HQDM	1	12	23.40	23.18	23.41	22.77	23.24		24.3
5	HQDM	1	24	23.50	23.02	23.46	22.92	23.27		
5	HQDM	12	0	22.50	22.30	22.57	22.46	22.48		
5	HQDM	12	7	22.59	22.31	22.54	22.43	22.42		23.5
5	HQDM	12	13	22.52	22.18	22.47	22.25	22.37		
5	HQDM	25	0	22.52	22.38	22.54	22.05	22.30		
5	HQDM	1	0	22.41	22.44	22.54	22.90	22.97		
5	HQDM	1	12	22.33	22.20	22.40	22.25	22.17		23.5
5	HQDM	1	24	22.46	22.23	22.31	21.94	22.25		
5	HQDM	12	0	21.66	21.63	21.82	21.58	21.61		
5	HQDM	12	7	21.81	21.45	21.82	21.38	21.62		22.5
5	HQDM	12	13	21.68	21.68	21.68	21.61	21.60		
5	HQDM	25	0	21.61	21.53	21.60	21.30	21.43		
5	ZSSGDM	1	0	19.81	19.37	19.68	19.40	19.50		20.5
5	ZSSGDM	1	12	19.60	19.26	19.67	19.40	19.34		
5	ZSSGDM	1	24	19.45	19.23	19.52	18.99	19.41		
5	ZSSGDM	12	0	19.67	19.49	19.64	19.08	19.62		
5	ZSSGDM	12	7	19.71	19.62	19.79	19.33	19.67		20.5
5	ZSSGDM	12	13	19.84	19.62	19.66	19.39	19.54		
5	ZSSGDM	25	0	19.75	19.54	19.69	18.85	19.64		





Band 48_Ant 6											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (min)	
Channel				56340	56830	56150	56640				
Frequency (MHz)											
20	QPSK	1	0	23.83	23.73	23.81	23.89				25.2
20	QPSK	1	49	23.80	23.81	23.69	23.66				
20	QPSK	1	99	23.82	23.83	23.66	23.66				
20	QPSK	50	0	23.29	23.42	23.45	23.39				24.5
20	QPSK	50	24	23.28	23.42	23.38	23.33				
20	QPSK	50	50	23.24	23.34	23.28	23.25				
20	QPSK	100	0	23.27	23.33	23.37	23.41				24.5
20	16QAM	1	0	23.27	23.13	23.38	23.44				
20	16QAM	1	49	23.20	23.30	23.17	23.32				
20	16QAM	1	99	23.21	23.14	23.15	23.26				23.5
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	50	50	22.22	22.26	22.32	22.31				23.5
20	16QAM	100	0	22.15	22.23	22.28	22.32				
20	16QAM	1	0	21.70	22.37	22.55	22.68				
20	64QAM	1	49	21.81	21.50	22.32	22.15				23.5
20	64QAM	1	99	21.99	21.77	22.55	22.52				
20	64QAM	50	0	21.14	21.31	21.31	21.26				
20	64QAM	50	24	21.24	21.31	21.33	21.30				22.5
20	64QAM	50	50	21.13	21.27	21.26	21.21				
20	64QAM	100	0	21.16	21.23	21.35	21.23				
20	256QAM	1	0	18.30	18.25	18.87	18.52				20.5
20	256QAM	1	49	18.85	18.83	19.01	18.99				
20	256QAM	1	99	18.91	18.92	19.13	19.01				
20	256QAM	50	0	19.34	19.37	19.44	19.47				20.5
20	256QAM	50	24	19.38	19.40	19.48	19.52				
20	256QAM	50	50	19.38	19.43	19.51	19.52				
20	256QAM	100	0	19.29	19.28	19.37	19.48				20.5
Channel				55215	55705	55110	55600				
Frequency (MHz)											
15	QPSK	1	0	23.67	23.85	23.88	23.83				25.2
15	QPSK	1	37	23.61	23.72	23.81	23.87				
15	QPSK	1	74	23.71	23.69	23.68	23.64				
15	QPSK	36	0	23.27	23.39	23.46	23.34				24.5
15	QPSK	36	20	23.19	23.28	23.37	23.34				
15	QPSK	36	39	23.13	23.41	23.39	23.28				
15	QPSK	75	0	23.25	23.38	23.33	23.42				24.5
15	16QAM	1	0	23.14	23.41	23.32	23.39				
15	16QAM	1	37	23.05	23.32	23.50	23.26				
15	16QAM	74	0	23.08	23.50	22.98	23.01				23.5
15	16QAM	36	0	22.30	22.25	22.32	22.28				
15	16QAM	36	20	22.12	22.29	22.21	22.23				
15	16QAM	36	39	22.02	22.30	22.33	22.22				23.5
15	16QAM	75	0	22.07	22.20	22.28	22.20				
15	64QAM	1	0	22.07	21.99	22.09	22.53				
15	64QAM	1	37	22.25	22.30	22.16	22.63				23.5
15	64QAM	74	0	21.27	21.68	22.20	22.20				
15	64QAM	36	0	21.11	21.31	21.35	21.21				
15	64QAM	36	20	21.14	21.25	21.33	21.25				22.5
15	64QAM	36	39	21.13	21.28	21.16	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	18.81	18.99	18.86				
15	256QAM	1	74	18.81	18.90	19.04	18.94				
15	256QAM	36	0	19.25	19.34	19.34	19.46				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	19.29				20.5
Channel				55290	55818	56165	56690				
Frequency (MHz)											
10	QPSK	1	0	23.59	23.70	23.68	23.72				25.2
10	QPSK	1	25	23.52	23.70	23.61	23.62				
10	QPSK	1	49	23.66	23.70	23.75	23.68				
10	QPSK	25	0	23.30	23.30	23.46	23.38				24.5
10	QPSK	25	12	23.24	23.40	23.31	23.35				
10	QPSK	25	25	23.16	23.41	23.38	23.11				
10	QPSK	50	0	23.31	23.36	23.37	23.41				24.5
10	16QAM	1	0	23.28	23.33	23.48	23.23				
10	16QAM	1	25	22.83	23.18	23.18	23.28				
10	16QAM	1	49	23.14	23.15	23.30	23.34				23.5
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	26	22.21	22.32	22.30	22.26				23.5
10	16QAM	50	0	22.20	22.29	22.30	22.23				
10	64QAM	1	0	21.78	22.22	22.20	22.67				
10	64QAM	1	25	22.04	22.10	22.34	22.44				23.5
10	64QAM	1	49	21.80	22.08	21.98	22.03				
10	64QAM	25	0	21.09	21.28	21.34	21.28				
10	64QAM	25	12	21.09	21.14	21.32	21.29				22.5
10	64QAM	25	26	21.16	21.28	21.28	21.37				
10	64QAM	50	0	21.13	21.26	21.34	21.26				
10	256QAM	1	0	18.90	18.80	18.79	18.86				20.5
10	256QAM	1	25	18.74	18.73	18.92	18.89				
10	256QAM	1	49	18.78	18.90	19.00	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	26	19.27	19.35	19.41	19.50				
10	256QAM	50	0	19.18	19.19	19.23	19.29				20.5
Channel				55295	55870	56170	56715				
Frequency (MHz)											
5	QPSK	1	0	23.52	23.74	23.68	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	23.66	23.28	23.35	23.26				24.5
5	QPSK	12	7	23.07	23.35	23.27	23.30				
5	QPSK	12	13	23.19	23.22	23.35	23.22				
5	QPSK	25	0	23.19	23.37	23.35	23.29				24.5
5	16QAM	1	0	22.88	23.34	23.46	23.38				
5	16QAM	1	12	22.95	23.27	23.33	23.28				
5	16QAM	1	24	22.95	23.19	23.09	23.26				23.5
5	16QAM	12	0	22.67	22.17	22.22	22.22				
5	16QAM	12	7	21.88	22.21	22.30	22.23				
5	16QAM	12	13	21.99	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	21.88				
5	64QAM	1	12	22.17	22.19	22.11	21.91				23.5
5	64QAM	1	24	22.18	21.83	22.15	22.08				
5	64QAM	12	0	21.06	21.24	21.32	21.19				
5	64QAM	12	7	21.14	21.29	21.20	21.20				22.5
5	64QAM	12	13	20.98	21.25	21.15	21.19				
5	64QAM	25	0	21.09	21.25	21.30	21.23				
5	256QAM	1	0	18.80	18.80	18.69	18.79				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	19.26	19.27				20.5
5	256QAM	12	7	19.22	19.20	19.27	19.30				
5	256QAM	12	13	19.24	19.33	19.38	19.43				
5	256QAM	25	0	19.08	19.14	19.23	19.30				20.5



Band 41 PC2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)									
20	QPSK	1	0	24.70	24.80	24.82	24.80	24.85	
20	QPSK	1	49	24.71	24.85	24.83	24.86	24.89	26.6
20	QPSK	1	99	24.62	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	50	23.75	23.76	23.84	23.72	23.75	
20	QPSK	100	0	23.80	23.72	23.85	23.73	23.74	
20	HQDM	1	0	23.77	23.85	23.85	23.84	23.83	
20	HQDM	1	49	23.71	23.80	23.84	23.86	23.73	25.6
20	HQDM	1	99	23.89	23.80	23.84	23.88	23.87	
20	HQDM	50	0	22.72	22.71	22.80	22.87	22.79	
20	HQDM	50	24	22.74	22.72	22.84	22.71	22.72	24.6
20	HQDM	50	50	22.75	22.71	22.81	22.86	22.80	
20	HQDM	100	0	22.75	22.70	22.85	22.71	22.72	
20	HQDM	1	0	22.85	22.80	22.82	22.87	22.87	24.6
20	HQDM	1	49	22.78	22.80	22.83	22.83	22.85	
20	HQDM	1	99	22.78	22.81	22.82	22.78	22.80	
20	HQDM	50	0	21.72	21.69	21.80	21.85	21.71	23.6
20	HQDM	50	24	21.71	21.71	21.82	21.68	21.71	
20	HQDM	50	50	21.73	21.88	21.81	21.70	21.88	
20	HQDM	100	0	21.73	21.88	21.82	21.86	21.73	
20	ZSSGDM	1	0	19.83	19.84	19.78	19.86	19.78	
20	ZSSGDM	1	49	19.71	19.80	19.82	19.79	19.75	21.6
20	ZSSGDM	1	99	19.84	19.81	19.81	19.85	19.85	
20	ZSSGDM	50	0	19.95	19.87	19.93	19.79	19.87	
20	ZSSGDM	50	24	19.83	19.85	19.89	19.78	19.85	21.6
20	ZSSGDM	50	50	19.89	19.88	19.89	19.77	19.82	
20	ZSSGDM	100	0	19.85	19.81	19.82	19.75	19.78	
Channel				25035	25135	25235	25335	25435	
Frequency (MHz)									
15	QPSK	1	0	24.89	24.83	24.81	24.81	24.85	
15	QPSK	1	39	24.88	24.89	24.82	24.87	24.87	26.80
15	QPSK	1	74	24.86	24.80	24.80	24.88	24.83	
15	QPSK	36	0	23.78	23.81	23.87	23.89	23.78	
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	23.69	
15	QPSK	75	0	23.76	23.82	23.87	23.80	23.88	
15	HQDM	1	37	23.70	23.82	23.86	23.87	23.88	25.6
15	HQDM	1	74	23.82	23.82	23.81	23.89	23.87	
15	HQDM	36	0	22.72	22.78	22.80	22.88	22.71	24.6
15	HQDM	36	20	22.72	22.76	22.80	22.88	22.71	
15	HQDM	36	39	22.72	22.76	22.80	22.88	22.71	24.6
15	HQDM	75	0	22.78	22.70	22.82	22.88	22.72	
15	HQDM	1	0	22.69	22.84	22.82	22.88	22.80	
15	HQDM	1	37	22.74	22.80	22.88	22.82	22.80	24.6
15	HQDM	36	74	22.81	22.86	22.86	22.86	22.86	
15	HQDM	36	74	21.72	21.72	21.81	21.82	21.74	
15	HQDM	36	20	21.74	21.87	21.80	21.87	21.78	23.6
15	HQDM	36	39	21.80	21.72	21.82	21.85	21.85	
15	HQDM	75	0	21.89	21.82	21.80	21.88	21.70	
15	ZSSGDM	1	37	19.85	19.83	19.72	19.85	19.81	
15	ZSSGDM	1	74	19.71	19.85	19.87	19.81	19.71	21.6
15	ZSSGDM	1	74	19.83	19.80	19.80	19.80	19.84	
15	ZSSGDM	36	0	19.95	19.85	19.85	19.78	19.85	
15	ZSSGDM	36	20	19.92	19.80	19.85	19.75	19.80	21.6
15	ZSSGDM	36	39	19.90	19.88	19.83	19.79	19.77	
15	ZSSGDM	75	0	19.82	19.80	19.78	19.74	19.77	
Channel				39700	40165	40630	41095	41560	
Frequency (MHz)									
10	QPSK	1	0	24.86	24.83	24.82	24.80	24.85	
10	QPSK	1	25	24.71	24.85	24.88	24.83	24.71	26.80
10	QPSK	1	49	24.62	24.85	24.83	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	25	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	HQDM	1	0	23.80	23.81	23.81	23.81	23.81	
10	HQDM	1	49	23.84	23.82	23.79	23.83	23.89	25.6
10	HQDM	25	0	22.73	22.73	22.82	22.84	22.74	
10	HQDM	25	12	22.72	22.78	22.82	22.75	22.70	24.6
10	HQDM	25	25	22.74	22.75	22.80	22.73	22.67	
10	HQDM	50	0	22.78	22.74	22.86	22.75	22.67	
10	HQDM	1	0	22.88	22.80	22.82	22.92	22.84	24.6
10	HQDM	1	25	22.81	22.83	22.84	22.86	22.88	
10	HQDM	1	49	22.73	22.81	22.85	22.79	22.81	
10	HQDM	25	0	21.74	21.69	21.85	21.60	21.69	
10	HQDM	25	12	21.68	21.70	21.87	21.68	21.74	23.6
10	HQDM	25	25	21.75	21.86	21.60	21.72	21.83	
10	HQDM	50	0	21.78	21.84	21.87	21.84	21.70	
10	ZSSGDM	1	0	19.79	19.80	19.78	19.84	19.77	
10	ZSSGDM	1	25	19.72	19.80	19.81	19.78	19.75	21.6
10	ZSSGDM	1	49	19.81	19.84	19.82	19.85	19.85	
10	ZSSGDM	25	0	19.95	19.82	19.88	19.78	19.83	
10	ZSSGDM	25	12	19.93	19.85	19.92	19.79	19.80	21.6
10	ZSSGDM	25	25	19.85	19.72	19.87	19.80	19.81	
10	ZSSGDM	50	0	19.88	19.80	19.81	19.73	19.82	
Channel				28935	29400	29865	30330	30795	
Frequency (MHz)									
5	QPSK	1	0	24.71	24.81	24.80	24.80	24.85	
5	QPSK	1	12	24.70	24.82	24.82	24.85	24.71	26.80
5	QPSK	1	24	24.62	24.81	24.84	24.70	24.84	
5	QPSK	12	0	23.78	23.80	23.82	23.70	23.71	
5	QPSK	12	7	23.78	23.77	23.85	23.68	23.71	25.6
5	QPSK	12	15	23.80	23.75	23.80	23.67	23.70	
5	QPSK	25	0	23.82	23.78	23.70	23.76	23.72	
5	HQDM	1	0	23.79	23.80	23.80	23.88	23.80	
5	HQDM	1	12	23.75	23.80	23.81	23.87	23.69	25.6
5	HQDM	1	24	23.83	23.80	23.88	23.88	23.84	
5	HQDM	12	0	22.71	22.78	22.87	22.83	22.74	
5	HQDM	12	7	22.72	22.88	22.89	22.71	22.70	24.6
5	HQDM	12	15	22.75	22.88	22.86	22.75	22.70	
5	HQDM	25	0	22.80	22.75	22.83	22.89	22.88	
5	HQDM	1	0	22.84	22.80	22.82	22.83	22.84	
5	HQDM	1	12	22.83	22.80	22.86	22.80	22.83	24.6
5	HQDM	1	24	22.81	22.80	22.88	22.73	22.81	
5	HQDM	12	0	21.75	21.87	21.81	21.83	21.87	
5	HQDM	12	7	21.74	21.75	21.80	21.71	21.72	23.6
5	HQDM	12	15	21.72	21.88	21.88	21.75	21.88	
5	HQDM	25	0	21.70	21.83	21.65	21.65	21.72	
5	ZSSGDM	1	0	19.84	19.80	19.75	19.83	19.73	
5	ZSSGDM	1	12	19.73	19.81	19.84	19.82	19.71	21.6
5	ZSSGDM	1	24	19.83	19.80	19.82	19.87	19.82	
5	ZSSGDM	12	0	19.80	19.87	19.80	19.82	19.87	
5	ZSSGDM	12	7	19.90	19.82	19.90	19.81	19.86	
5	ZSSGDM	12	15	19.82	19.71	19.86	19.81	19.84	
5	ZSSGDM	25	0	19.80	19.82	19.84	19.75	19.80	



Band 41 PC3_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.83	22.87	22.83	22.51	22.50	24.5	
20	QPSK	1	49	22.89	22.89	22.85	22.52	22.52		
20	QPSK	1	98	22.97	22.99	22.94	22.50	22.50		
20	QPSK	50	0	21.77	21.74	21.54	21.53	21.60	23.5	
20	QPSK	50	24	21.79	21.78	21.58	21.58	21.69		
20	QPSK	50	49	21.76	21.74	21.53	21.58	21.53		
20	QPSK	100	0	21.73	21.77	21.51	21.57	21.67	23.5	
20	HQDM	1	0	21.73	21.69	21.61	21.52	21.65		
20	HQDM	1	49	21.72	21.64	21.58	21.50	21.52		
20	HQDM	1	99	21.76	21.61	21.68	21.51	21.58	22.5	
20	HQDM	50	0	20.75	20.87	20.54	20.53	20.56		
20	HQDM	50	24	20.79	20.68	20.54	20.57	20.57		
20	HQDM	50	49	20.77	20.68	20.56	20.56	20.54	22.5	
20	HQDM	100	0	20.77	20.72	20.52	20.57	20.53		
20	HQDM	1	0	20.62	20.52	20.54	20.56	20.54		
20	HQDM	1	49	20.68	20.30	20.37	20.37	20.50	22.5	
20	HQDM	1	99	20.70	20.62	20.63	20.59	20.53		
20	HQDM	50	0	19.72	19.67	19.54	19.51	19.54		
20	HQDM	50	24	19.75	19.70	19.55	19.56	19.55	21.5	
20	HQDM	50	49	19.75	19.69	19.54	19.55	19.53		
20	HQDM	100	0	19.74	19.68	19.54	19.54	19.62		
20	SSBQAM	1	0	17.75	17.50	17.75	17.58	17.50	19.5	
20	SSBQAM	1	49	17.86	17.51	17.69	17.53	17.50		
20	SSBQAM	1	99	17.68	17.51	17.52	17.52	17.51		
20	SSBQAM	50	0	17.92	17.65	17.81	17.63	17.74	19.5	
20	SSBQAM	50	24	17.91	17.64	17.78	17.62	17.72		
20	SSBQAM	50	49	17.87	17.63	17.78	17.62	17.72		
20	SSBQAM	100	0	17.84	17.67	17.71	17.56	17.68	19.5	
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.98	22.97	22.88	22.51	22.50	24.0	
15	QPSK	1	39	22.93	22.99	22.90	22.50	22.51		
15	QPSK	1	78	22.85	22.82	22.81	22.50	22.51		
15	QPSK	36	0	21.72	21.79	21.59	21.56	21.64	23.5	
15	QPSK	36	20	21.82	21.73	21.63	21.62	21.62		
15	QPSK	36	39	21.78	21.71	21.56	21.57	21.67		
15	QPSK	1	0	21.74	21.77	21.54	21.52	21.68	23.5	
15	HQDM	1	0	21.68	21.60	21.59	21.52	21.54		
15	HQDM	1	39	21.76	21.59	21.67	21.50	21.60		
15	HQDM	1	78	21.78	21.65	21.66	21.50	21.62	22.5	
15	HQDM	36	0	20.80	20.68	20.54	20.50	20.61		
15	HQDM	36	20	20.76	20.70	20.54	20.61	20.54		
15	HQDM	36	39	20.80	20.67	20.58	20.50	20.59	22.5	
15	HQDM	75	0	20.80	20.68	20.53	20.60	20.56		
15	HQDM	1	0	20.99	20.53	20.56	20.58	20.54		
15	HQDM	1	39	20.73	20.55	20.56	20.61	20.50	22.5	
15	HQDM	36	0	20.68	20.61	20.53	20.50	20.52		
15	HQDM	36	20	19.71	19.59	19.51	19.50	19.52		
15	HQDM	36	39	19.75	19.70	19.54	19.60	19.51	21.5	
15	HQDM	75	0	19.70	19.74	19.59	19.56	19.53		
15	HQDM	75	0	19.73	19.61	19.51	19.57	19.55		
15	SSBQAM	1	0	17.74	17.53	17.77	17.60	17.63	19.5	
15	SSBQAM	1	39	17.91	17.50	17.65	17.57	17.50		
15	SSBQAM	1	78	17.79	17.59	17.59	17.53	17.61		
15	SSBQAM	36	0	17.67	17.68	17.51	17.51	17.57	19.5	
15	SSBQAM	36	20	17.87	17.56	17.73	17.61	17.67		
15	SSBQAM	36	39	17.87	17.60	17.71	17.65	17.65		
15	SSBQAM	75	0	17.84	17.62	17.76	17.59	17.65	19.5	
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.92	22.91	22.91	22.53	22.52	24.0	
10	QPSK	1	25	22.88	22.83	22.80	22.57	22.51		
10	QPSK	1	49	22.83	22.84	22.56	22.50	22.51		
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	25	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	HQDM	1	0	21.76	21.67	21.58	21.57	21.58		
10	HQDM	1	24	21.75	21.61	21.61	21.50	21.56		
10	HQDM	1	49	21.81	21.60	21.67	21.54	21.68	22.5	
10	HQDM	50	0	20.76	20.87	20.52	20.54	20.50		
10	HQDM	25	12	20.75	20.69	20.57	20.61	20.57		
10	HQDM	25	25	20.82	20.71	20.60	20.50	20.57	22.5	
10	HQDM	50	0	20.80	20.71	20.56	20.58	20.54		
10	HQDM	1	0	20.62	20.67	20.67	20.52	20.50		
10	HQDM	1	25	20.70	20.53	20.61	20.52	20.60	22.5	
10	HQDM	1	49	20.67	20.50	20.67	20.56	20.50		
10	HQDM	25	0	19.76	19.72	19.56	19.51	19.53		
10	HQDM	25	12	19.74	19.69	19.67	19.58	19.55	21.5	
10	HQDM	25	25	19.79	19.69	19.57	19.55	19.55		
10	HQDM	50	0	19.77	19.62	19.50	19.54	19.50		
10	SSBQAM	1	0	17.70	17.50	17.77	17.57	17.57	19.5	
10	SSBQAM	1	25	17.86	17.51	17.65	17.50	17.63		
10	SSBQAM	1	49	17.72	17.54	17.62	17.53	17.62		
10	SSBQAM	25	0	17.95	17.70	17.77	17.59	17.68	19.5	
10	SSBQAM	25	12	17.91	17.67	17.78	17.67	17.71		
10	SSBQAM	25	25	17.88	17.60	17.77	17.63	17.72		
10	SSBQAM	50	0	17.88	17.60	17.69	17.55	17.64	19.5	
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.98	22.98	22.87	22.54	22.53	24.0	
5	QPSK	1	15	22.88	22.83	22.82	22.50	22.51		
5	QPSK	1	24	22.86	22.87	22.86	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	21.69		
5	QPSK	12	15	21.79	21.79	21.63	21.62	21.60		
5	QPSK	25	0	21.71	21.75	21.56	21.52	21.60	23.5	
5	HQDM	1	0	21.76	21.62	21.63	21.53	21.58		
5	HQDM	1	12	21.73	21.67	21.56	21.50	21.60		
5	HQDM	1	24	21.81	21.69	21.69	21.51	21.60	22.5	
5	HQDM	12	0	20.76	20.71	20.56	20.52	20.52		
5	HQDM	12	7	20.84	20.63	20.51	20.68	20.62		
5	HQDM	12	15	20.80	20.69	20.54	20.52	20.53	22.5	
5	HQDM	25	0	20.72	20.67	20.52	20.59	20.56		
5	HQDM	1	0	20.57	21.00	20.56	20.52	20.58		
5	HQDM	1	12	20.70	20.54	20.61	20.53	20.50	22.5	
5	HQDM	1	24	20.72	20.52	20.61	20.57	20.55		
5	HQDM	12	0	19.73	19.70	19.53	19.50	19.51		
5	HQDM	12	7	19.81	19.74	19.60	19.52	19.55	21.5	
5	HQDM	12	15	19.80	19.74	19.59	19.55	19.54		
5	HQDM	25	0	19.74	19.68	19.53	19.59	19.54		
5	SSBQAM	1	0	17.76	17.51	17.75	17.60	17.68	19.5	
5	SSBQAM	1	15	17.90	17.50	17.68	17.56	17.62		
5	SSBQAM	1	24	17.67	17.56	17.55	17.61	17.50		
5	SSBQAM	12	0	17.80	17.70	17.85	17.61	17.72	19.5	
5	SSBQAM	12	7	17.92	17.65	17.74	17.63	17.68		
5	SSBQAM	12	15	17.82	17.63	17.69	17.65	17.72		
5	SSBQAM	25	0	17.84	17.61	17.70	17.56	17.67	19.5	
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.98	22.98	22.87	22.54	22.53	24.0	
5	QPSK	1	15	22.88	22.83	22.82	22.50	22.51		
5	QPSK	1	24	22.86	22.87	22.86	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	21.69		
5	QPSK	12	15	21.79	21.79	21.63	21.62	21.60		
5	QPSK	25	0	21.71	21.75	21.56	21.52	21.60	23.5	
5	HQDM	1	0	21.76	21.62	21.63	21.53	21.58		
5	HQDM	1	12	21.73	21.67	21.56	21.50	21.60		



Band 48_Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power LineMod Ch / Freq	Power High Modem Ch / Freq	Power High Modem Ch / Freq	Tune-up limit (dBm)	
Channel									
	Frequency (MHz)			56340	56830	56190	56680		
20	QPSK	1	0	21.45	21.83	21.56	22.06	22.9	
20	QPSK	1	46	21.44	21.76	21.84	21.88		
20	QPSK	1	86	21.45	21.72	21.81	21.79		
20	QPSK	50	0	20.84	20.93	21.03	21.09		
20	QPSK	50	24	20.85	20.83	21.06	21.05	21.9	
20	QPSK	50	50	20.85	20.89	20.92	20.97		
20	QPSK	100	0	20.61	20.88	20.86	21.01		
20	QPSK	1	0	20.61	20.87	20.89	21.00		
20	16QAM	1	46	20.45	20.61	20.78	20.83	21.9	
20	16QAM	1	96	20.50	20.56	20.71	20.73		
20	16QAM	50	0	19.55	19.87	19.86	20.02		
20	16QAM	50	24	19.55	19.87	19.86	20.00		
20	16QAM	50	50	19.55	19.87	19.86	19.85	20.9	
20	16QAM	100	0	19.55	19.84	19.91	19.97		
20	16QAM	1	0	19.51	19.63	19.76	19.77		
20	16QAM	1	46	19.51	19.63	19.59	19.83		
20	64QAM	1	96	19.26	19.57	19.51	19.55	20.9	
20	64QAM	50	0	18.97	18.87	18.86	19.00		
20	64QAM	50	24	18.97	18.85	18.93	18.97		
20	64QAM	50	50	18.85	18.82	18.87	18.81		
20	64QAM	100	0	18.85	18.79	18.88	18.93	19.9	
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	16.25	16.37	16.34	16.45		
20	256QAM	50	0	16.47	16.61	16.61	16.64	17.9	
20	256QAM	50	24	16.42	16.58	16.59	16.72		
20	256QAM	50	50	16.44	16.59	16.57	16.65		
20	256QAM	100	0	16.52	16.56	16.63	16.64		
Channel									
	Frequency (MHz)			57315	57810	57170	57660		
15	QPSK	1	0	21.83	21.83	21.93	22.00	22.9	
15	QPSK	1	47	21.44	21.76	21.82	21.81		
15	QPSK	1	74	21.54	21.81	21.82	21.85		
15	QPSK	36	0	20.55	20.91	20.89	21.05		
15	QPSK	36	26	20.55	20.87	20.95	20.97	21.9	
15	QPSK	36	36	20.55	20.86	20.93	20.94		
15	QPSK	75	0	20.60	20.90	20.89	20.98		
15	16QAM	1	0	20.61	20.93	20.97	21.14		
15	16QAM	1	37	20.93	20.82	20.86	21.03	21.9	
15	16QAM	1	74	20.60	20.85	20.85	20.97		
15	16QAM	36	0	19.52	19.83	19.84	19.83		
15	16QAM	36	26	19.52	19.82	19.81	19.85		
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	19.66	19.68	19.85		
15	64QAM	1	37	19.27	19.53	19.56	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	26	18.54	18.81	18.91	18.94		
15	64QAM	36	36	18.53	18.78	18.85	18.92		
15	64QAM	75	0	18.53	18.83	18.90	18.94	19.9	
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	16.33	16.41		
15	256QAM	36	0	16.44	16.50	16.51	16.57	17.9	
15	256QAM	36	26	16.33	16.50	16.54	16.70		
15	256QAM	36	36	16.30	16.55	16.48	16.64		
15	256QAM	75	0	16.47	16.48	16.55	16.64		
Channel									
	Frequency (MHz)			58290	58815	58165	58690		
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	48	21.46	21.75	21.82	21.85		
10	QPSK	25	0	20.55	20.88	20.98	21.04		
10	QPSK	25	12	20.55	20.89	20.96	21.01	21.9	
10	QPSK	12	0	20.55	20.80	20.93	20.98		
10	QPSK	12	13	20.48	20.79	20.91	20.95		
10	QPSK	50	0	20.62	20.91	21.01	21.04		
10	16QAM	1	12	20.59	20.77	20.94	20.96	21.9	
10	16QAM	1	24	20.45	20.65	20.74	20.76		
10	16QAM	1	46	20.52	20.68	20.87	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	20.9	
10	16QAM	25	25	19.65	19.89	19.93	19.97		
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	19.48	19.47	20.9	
10	64QAM	1	48	19.32	19.56	19.55	19.56		
10	64QAM	25	0	18.49	18.63	18.62	18.96		
10	64QAM	25	12	18.45	18.81	18.88	18.91		
10	64QAM	25	25	18.49	18.81	18.87	18.93	19.9	
10	64QAM	50	0	18.93	18.84	18.92	18.96		
10	256QAM	1	0	16.21	16.40	16.36	16.50		
10	256QAM	1	25	16.20	16.38	16.32	16.41		
10	256QAM	1	48	16.21	16.30	16.33	16.43	17.9	
10	256QAM	25	0	16.43	16.55	16.53	16.60		
10	256QAM	25	12	16.33	16.67	16.54	16.68		
10	256QAM	25	25	16.36	16.49	16.53	16.61		
10	256QAM	50	0	16.41	16.48	16.63	16.69		
Channel									
	Frequency (MHz)			59275	59810	59170	59715		
5	QPSK	1	0	21.45	21.83	21.97	21.98	22.9	
5	QPSK	1	0	21.45	21.76	21.80	21.82		
5	QPSK	1	24	21.53	21.82	21.85	21.97		
5	QPSK	12	0	20.45	20.81	20.92	20.98		
5	QPSK	12	7	20.55	20.80	20.93	20.98	21.9	
5	QPSK	12	13	20.48	20.79	20.91	20.95		
5	QPSK	25	0	20.55	20.86	20.85	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	18.54	19.89	19.85	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	19.69	20.9	
5	64QAM	12	0	18.44	19.79	18.84	19.95		
5	64QAM	12	7	18.45	18.73	18.83	18.93		
5	64QAM	12	13	18.45	18.71	18.79	18.91		
5	64QAM	25	0	18.48	18.78	18.90	18.93	19.9	
5	256QAM	1	0	16.31	16.43	16.33	16.45		
5	256QAM	1	0	16.17	16.33	16.41	16.46		
5	256QAM	1	24	16.28	16.31	16.28	16.42		
5	256QAM	12	0	16.38	16.50	16.54	16.60	17.9	
5	256QAM	12	7	16.33	16.53	16.52	16.64		
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 / Freq.	Power Low-Mid Ch / Freq.	Power High Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)									
20	QPSK	1	0	24.70	24.80	24.82	24.80	24.85	
20	QPSK	1	49	24.71	24.85	24.83	24.86	24.89	25
20	QPSK	1	99	24.62	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	23.87	23.74	24.5
20	QPSK	50	50	23.75	23.76	23.84	23.86	23.75	
20	QPSK	100	0	23.80	23.72	23.85	23.73	23.74	
20	HQDM	1	0	23.77	23.85	23.85	23.84	23.80	
20	HQDM	1	49	23.71	23.80	23.84	23.86	23.73	24.5
20	HQDM	1	99	23.89	23.80	23.84	23.88	23.87	
20	HQDM	50	0	22.72	22.71	22.80	22.87	22.70	
20	HQDM	50	24	22.74	22.72	22.84	22.71	22.72	24.1
20	HQDM	50	50	22.75	22.71	22.81	22.86	22.70	
20	HQDM	100	0	22.75	22.70	22.85	22.71	22.72	
20	HQDM	1	0	22.85	22.80	22.82	22.87	22.87	24.1
20	HQDM	1	49	22.78	22.80	22.83	22.83	22.85	
20	HQDM	1	99	22.78	22.81	22.82	22.78	22.80	
20	HQDM	50	0	21.72	21.69	21.80	21.85	21.71	23.1
20	HQDM	50	24	21.71	21.71	21.82	21.88	21.71	
20	HQDM	50	50	21.73	21.88	21.81	21.70	21.88	
20	HQDM	100	0	21.73	21.88	21.82	21.86	21.70	
20	ZSSGDM	1	0	19.83	19.84	19.78	19.86	19.78	
20	ZSSGDM	1	49	19.71	19.80	19.82	19.79	19.75	21.1
20	ZSSGDM	50	0	19.84	19.81	19.81	19.85	19.85	
20	ZSSGDM	50	24	19.85	19.87	19.83	19.79	19.87	
20	ZSSGDM	50	50	19.83	19.85	19.89	19.78	19.85	
20	ZSSGDM	100	0	19.85	19.88	19.87	19.77	19.82	21.1
20	ZSSGDM	100	0	19.85	19.81	19.82	19.75	19.78	
Channel				25050	25485	25920	26355	26790	
Frequency (MHz)									
15	QPSK	1	0	24.89	24.83	24.81	24.81	24.85	
15	QPSK	1	39	24.88	24.89	24.82	24.87	24.87	25.00
15	QPSK	1	74	24.86	24.80	24.80	24.88	24.83	
15	QPSK	50	0	23.78	23.81	23.87	23.89	23.78	
15	QPSK	50	20	23.79	23.77	23.81	23.73	23.78	24.5
15	QPSK	50	50	23.78	23.75	23.82	23.88	23.69	
15	QPSK	100	0	23.78	23.88	23.83	23.74	23.77	
15	HQDM	1	0	23.78	23.82	23.87	23.80	23.88	
15	HQDM	1	37	23.70	23.80	23.86	23.87	23.88	24.5
15	HQDM	1	74	23.82	23.82	23.81	23.89	23.87	
15	HQDM	50	0	22.72	22.78	22.80	22.88	22.71	
15	HQDM	50	20	22.72	22.76	22.80	22.88	22.71	24.1
15	HQDM	50	50	22.72	22.86	22.81	22.78	22.87	
15	HQDM	100	0	22.78	22.70	22.82	22.88	22.72	
15	HQDM	1	0	22.89	22.84	22.85	22.88	22.80	24.1
15	HQDM	1	37	22.74	22.80	22.88	22.82	22.80	
15	HQDM	50	0	21.72	21.72	21.81	21.82	21.71	
15	HQDM	50	20	21.74	21.87	21.80	21.87	21.78	23.1
15	HQDM	50	50	21.80	21.72	21.82	21.85	21.85	
15	HQDM	100	0	21.80	21.82	21.80	21.88	21.70	
15	ZSSGDM	1	0	19.85	19.83	19.72	19.85	19.81	
15	ZSSGDM	1	37	19.71	19.85	19.87	19.81	19.71	21.1
15	ZSSGDM	1	74	19.83	19.80	19.80	19.80	19.84	
15	ZSSGDM	50	0	19.85	19.85	19.85	19.78	19.80	
15	ZSSGDM	50	20	19.82	19.80	19.85	19.75	19.80	21.1
15	ZSSGDM	50	50	19.80	19.88	19.83	19.79	19.77	
15	ZSSGDM	100	0	19.82	19.80	19.78	19.74	19.77	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)									
10	QPSK	1	0	24.86	24.83	24.82	24.80	24.85	
10	QPSK	1	25	24.71	24.85	24.88	24.83	24.71	25.00
10	QPSK	1	49	24.82	24.85	24.83	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	24.5
10	QPSK	25	25	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	HQDM	1	0	23.80	23.81	23.81	23.81	23.81	
10	HQDM	1	49	23.84	23.82	23.79	23.83	23.89	24.5
10	HQDM	1	99	23.73	22.73	22.86	22.84	22.74	
10	HQDM	25	0	22.72	22.78	22.82	22.75	22.70	24.1
10	HQDM	25	12	22.74	22.72	22.80	22.73	22.67	
10	HQDM	25	25	22.78	22.74	22.86	22.79	22.67	
10	HQDM	50	0	22.88	22.80	22.82	22.82	22.84	24.1
10	HQDM	1	0	22.81	22.83	22.84	22.86	22.88	
10	HQDM	1	49	22.73	22.81	22.85	22.79	22.81	
10	HQDM	25	0	21.74	21.69	21.85	21.80	21.69	23.1
10	HQDM	25	12	21.86	21.70	21.87	21.88	21.74	
10	HQDM	25	25	21.75	21.86	21.80	21.72	21.83	
10	HQDM	50	0	21.78	21.84	21.87	21.84	21.70	
10	ZSSGDM	1	0	19.79	19.80	19.78	19.84	19.77	
10	ZSSGDM	1	25	19.72	19.80	19.81	19.78	19.75	21.1
10	ZSSGDM	1	49	19.81	19.84	19.82	19.85	19.85	
10	ZSSGDM	25	0	19.85	19.82	19.88	19.78	19.83	
10	ZSSGDM	25	12	19.83	19.85	19.82	19.70	19.80	21.1
10	ZSSGDM	25	25	19.85	19.72	19.87	19.80	19.81	
10	ZSSGDM	50	0	19.88	19.80	19.81	19.73	19.82	
Channel				26815	25485	25920	26400	26875	
Frequency (MHz)									
5	QPSK	1	0	24.71	24.81	24.80	24.80	24.89	
5	QPSK	1	10	24.70	24.82	24.82	24.85	24.81	25.00
5	QPSK	1	24	24.82	24.81	24.84	24.70	24.84	
5	QPSK	12	0	23.78	23.80	23.82	23.70	23.71	
5	QPSK	12	7	23.78	23.77	23.85	23.88	23.71	24.5
5	QPSK	12	13	23.80	23.75	23.80	23.87	23.70	
5	QPSK	25	0	23.82	23.78	23.70	23.76	23.72	
5	HQDM	1	0	23.79	23.80	23.80	23.88	23.80	
5	HQDM	1	12	23.75	23.80	23.81	23.87	23.69	24.5
5	HQDM	1	24	23.83	23.80	23.88	23.88	23.84	
5	HQDM	12	0	22.71	22.78	22.87	22.83	22.74	
5	HQDM	12	7	22.72	22.88	22.89	22.71	22.70	24.1
5	HQDM	12	13	22.78	22.88	22.86	22.78	22.70	
5	HQDM	25	0	22.80	22.75	22.83	22.89	22.88	
5	HQDM	1	0	22.84	22.80	22.86	22.83	22.84	
5	HQDM	1	12	22.83	22.80	22.86	22.80	22.83	24.1
5	HQDM	1	24	22.81	22.80	22.88	22.73	22.81	
5	HQDM	12	0	21.75	21.87	21.81	21.83	21.87	23.1
5	HQDM	12	7	21.74	21.78	21.80	21.71	21.72	
5	HQDM	12	13	21.73	21.88	21.88	21.79	21.88	
5	HQDM	25	0	21.70	21.83	21.85	21.66	21.72	
5	ZSSGDM	1	0	19.84	19.80	19.75	19.83	19.73	
5	ZSSGDM	1	10	19.73	19.81	19.84	19.82	19.71	21.1
5	ZSSGDM	1	24	19.83	19.80	19.82	19.87	19.82	
5	ZSSGDM	12	0	19.80	19.87	19.80	19.82	19.87	
5	ZSSGDM	12	7	19.80	19.82	19.80	19.81	19.86	
5	ZSSGDM	12	13	19.82	19.71	19.86	19.81	19.84	
5	ZSSGDM	25	0	19.80	19.82	19.84	19.75	19.80	



Band 41 PC3_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	
Channel				36750	40185	40620	41055	41490		
Frequency (MHz)										
20	QPSK	1	0	22.83	22.57	22.53	22.51	22.50	23.4	
20	QPSK	1	49	22.89	22.60	22.55	22.52	22.52		
20	QPSK	1	98	22.97	22.59	22.54	22.50	22.50		
20	QPSK	50	0	21.77	21.74	21.54	21.53	21.60	22.9	
20	QPSK	50	24	21.79	21.76	21.56	21.55	21.60		
20	QPSK	50	48	21.76	21.74	21.53	21.58	21.53		
20	QPSK	100	0	21.73	21.77	21.51	21.57	21.57	22.9	
20	HQDM	1	0	21.73	21.59	21.61	21.52	21.52		
20	HQDM	1	49	21.72	21.54	21.58	21.50	21.52		
20	HQDM	1	99	21.76	21.61	21.66	21.51	21.58	22	
20	HQDM	50	0	20.75	20.67	20.54	20.53	20.56		
20	HQDM	50	24	20.79	20.68	20.54	20.57	20.57		
20	HQDM	50	48	20.77	20.68	20.56	20.56	20.54	22	
20	HQDM	100	0	20.77	20.72	20.52	20.57	20.52		
20	HQDM	1	0	20.62	20.52	20.54	20.56	20.54		
20	HQDM	1	49	20.68	20.50	20.57	20.57	20.50	21	
20	HQDM	1	99	20.70	20.52	20.53	20.59	20.52		
20	HQDM	50	0	19.72	19.67	19.54	19.51	19.54		
20	HQDM	50	24	19.75	19.70	19.55	19.56	19.55	21	
20	HQDM	50	48	19.75	19.69	19.54	19.55	19.53		
20	HQDM	100	0	19.74	19.68	19.54	19.54	19.52		
20	SSBQAM	1	0	17.75	17.50	17.70	17.58	17.50	19	
20	SSBQAM	1	49	17.86	17.51	17.69	17.53	17.50		
20	SSBQAM	1	98	17.68	17.51	17.61	17.52	17.51		
20	SSBQAM	50	0	17.92	17.65	17.81	17.63	17.74	19	
20	SSBQAM	50	24	17.91	17.64	17.78	17.62	17.72		
20	SSBQAM	50	48	17.87	17.63	17.78	17.62	17.72		
20	SSBQAM	100	0	17.84	17.57	17.71	17.56	17.68	19	
Channel				2555	25138	25525	25155	25555		
Frequency (MHz)										
15	QPSK	1	0	22.58	22.67	22.68	22.51	22.50	23.40	
15	QPSK	1	39	22.63	22.59	22.50	22.50	22.51		
15	QPSK	1	78	22.65	22.62	22.51	22.50	22.51		
15	QPSK	36	0	21.72	21.79	21.56	21.56	21.64	22.9	
15	QPSK	36	20	21.62	21.73	21.63	21.62	21.62		
15	QPSK	36	39	21.78	21.71	21.56	21.57	21.67		
15	QPSK	1	0	21.74	21.77	21.54	21.52	21.68	22.9	
15	HQDM	1	0	21.68	21.60	21.59	21.52	21.54		
15	HQDM	1	37	21.76	21.50	21.67	21.50	21.50		
15	HQDM	1	74	21.78	21.65	21.66	21.50	21.62	22	
15	HQDM	36	0	20.80	20.68	20.54	20.50	20.61		
15	HQDM	36	20	20.76	20.70	20.54	20.61	20.54		
15	HQDM	36	39	20.80	20.67	20.58	20.50	20.59	22	
15	HQDM	75	0	20.80	20.68	20.53	20.60	20.56		
15	HQDM	1	0	20.59	20.53	20.56	20.58	20.54		
15	HQDM	1	37	20.73	20.55	20.56	20.61	20.50	21	
15	HQDM	36	0	19.68	19.61	19.53	19.50	19.52		
15	HQDM	36	20	19.71	19.59	19.51	19.50	19.52		
15	HQDM	36	39	19.75	19.70	19.54	19.60	19.51	21	
15	HQDM	75	0	19.70	19.74	19.59	19.56	19.53		
15	HQDM	75	0	19.73	19.61	19.51	19.57	19.55		
15	SSBQAM	1	0	17.74	17.53	17.77	17.60	17.63	19	
15	SSBQAM	1	37	17.91	17.50	17.65	17.57	17.50		
15	SSBQAM	1	74	17.70	17.59	17.58	17.53	17.51		
15	SSBQAM	36	0	17.97	17.68	17.81	17.61	17.73	19	
15	SSBQAM	36	20	17.87	17.56	17.73	17.61	17.67		
15	SSBQAM	36	39	17.87	17.60	17.71	17.65	17.65		
15	SSBQAM	75	0	17.84	17.62	17.76	17.59	17.65	19	
Channel				36700	40160	40620	41060	41460		
Frequency (MHz)										
10	QPSK	1	0	22.62	22.51	22.51	22.53	22.52	23.40	
10	QPSK	1	25	22.68	22.63	22.60	22.57	22.51		
10	QPSK	1	49	22.63	22.64	22.56	22.50	22.51		
10	QPSK	25	0	21.78	21.74	21.56	21.56	21.59	22.9	
10	QPSK	25	12	21.74	21.81	21.58	21.61	21.67		
10	QPSK	25	24	21.78	21.72	21.61	21.58	21.61		
10	QPSK	50	0	21.68	21.74	21.51	21.52	21.60	22.9	
10	HQDM	1	0	21.76	21.67	21.58	21.57	21.58		
10	HQDM	1	49	21.81	21.60	21.67	21.54	21.58		
10	HQDM	1	98	21.75	21.61	21.61	21.50	21.56	22	
10	HQDM	50	0	20.76	20.67	20.52	20.54	20.50		
10	HQDM	25	12	20.75	20.69	20.57	20.61	20.57		
10	HQDM	25	24	20.82	20.71	20.60	20.50	20.57	22	
10	HQDM	50	0	20.80	20.71	20.56	20.58	20.54		
10	HQDM	1	0	20.62	20.57	20.57	20.52	20.50		
10	HQDM	1	25	20.70	20.53	20.61	20.52	20.50	22	
10	HQDM	1	49	20.67	20.50	20.67	20.56	20.50		
10	HQDM	25	0	19.76	19.72	19.56	19.51	19.53		
10	HQDM	25	12	19.74	19.69	19.67	19.58	19.55	21	
10	HQDM	25	24	19.79	19.69	19.57	19.55	19.55		
10	HQDM	50	0	19.77	19.62	19.50	19.54	19.50		
10	SSBQAM	1	0	17.70	17.50	17.77	17.57	17.57	19	
10	SSBQAM	1	25	17.86	17.51	17.65	17.50	17.51		
10	SSBQAM	1	49	17.72	17.54	17.62	17.53	17.52		
10	SSBQAM	25	0	17.95	17.70	17.77	17.59	17.69	19	
10	SSBQAM	25	12	17.91	17.67	17.78	17.67	17.71		
10	SSBQAM	25	24	17.88	17.60	17.72	17.63	17.72		
10	SSBQAM	50	0	17.88	17.60	17.69	17.55	17.64	19	
Channel				26935	25435	25935	25435	26935		
Frequency (MHz)										
5	QPSK	1	0	22.58	22.58	22.57	22.54	22.53	23.40	
5	QPSK	1	10	22.68	22.63	22.52	22.50	22.51		
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	22.9	
5	QPSK	12	7	21.84	21.81	21.60	21.59	21.69		
5	QPSK	12	13	21.79	21.79	21.63	21.62	21.60		
5	QPSK	25	0	21.71	21.75	21.56	21.52	21.58	22.9	
5	HQDM	1	0	21.76	21.62	21.63	21.53	21.58		
5	HQDM	1	12	21.73	21.67	21.56	21.50	21.50		
5	HQDM	1	24	21.81	21.69	21.69	21.51	21.59	22	
5	HQDM	12	0	20.76	20.71	20.56	20.52	20.52		
5	HQDM	12	7	20.84	20.63	20.51	20.58	20.62		
5	HQDM	12	13	20.80	20.69	20.54	20.52	20.53	22	
5	HQDM	25	0	20.72	20.67	20.52	20.59	20.56		
5	HQDM	1	0	20.52	21.00	20.50	20.52	20.58		
5	HQDM	1	12	20.70	20.54	20.61	20.53	20.50	22	
5	HQDM	1	24	20.72	20.52	20.61	20.57	20.55		
5	HQDM	12	0	19.73	19.70	19.53	19.50	19.51		
5	HQDM	12	7	19.81	19.74	19.60	19.52	19.55	21	
5	HQDM	12	13	19.80	19.74	19.58	19.55	19.54		
5	HQDM	25	0	19.74	19.68	19.53	19.59	19.54		
5	SSBQAM	1	0	17.76	17.51	17.75	17.60	17.68	19	
5	SSBQAM	1	10	17.90	17.50	17.68	17.56	17.52		
5	SSBQAM	1	24	17.67	17.56	17.55	17.51	17.50		
5	SSBQAM	12	0	17.80	17.70	17.65	17.61	17.72	19	
5	SSBQAM	12	7	17.92	17.65	17.74	17.63	17.68		
5	SSBQAM	12	13	17.82	17.63	17.69	17.65	17.72		
5	SSBQAM	25	0	17.84	17.61	17.70	17.56	17.67	19	
Channel				36700	40160	40620	41060	41460		
Frequency (MHz)										



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	
20	PI/2 BPSK	50	0	23.95	23.94	23.93	25.0
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	
20	QPSK	50	0	23.48	23.44	23.44	24.5
20	QPSK	50	28	24.52	24.49	24.51	25.5
20	QPSK	50	56	23.55	23.52	23.51	
20	QPSK	100	0	23.48	23.45	23.48	24.5
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	167300	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	
20	QPSK	1	53	24.50	24.46	24.48	25.5
20	QPSK	1	104	24.33	24.29	24.30	
20	QPSK	50	0	23.40	23.62	23.34	25.5
20	QPSK	50	28	24.41	24.36	24.38	
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	
20	256QAM	1	1	19.85	19.86	19.82	25.5
Channel				501500	507000	512500	
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	
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.34	24.35	24.31	25.5
Channel				500500	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.36	24.34	24.33	25.5
Channel				500000	507000	514000	
Frequency (MHz)				2500	2535	2570	





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	
15	PI/2 BPSK	75	0	24.10	24.11	24.07	25.0
15	QPSK	1	1	24.46	24.47	24.41	
15	QPSK	1	40	24.54	24.56	24.44	25.5
15	QPSK	1	77	24.58	24.58	24.52	
15	QPSK	36	0	23.54	23.55	23.50	24.5
15	QPSK	36	22	24.58	24.56	24.55	
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	
15	256QAM	1	1	20.01	20.03	19.89	21.0
Channel				140800	141500	142200	
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.59	24.52	24.59	25.5
Channel				140300	141500	142700	
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	
20	PI/2 BPSK	100	0	23.29	23.50	23.48	25.0
20	QPSK	1	1	23.65	23.85	23.85	
20	QPSK	1	53	23.93	24.11	24.12	25.5
20	QPSK	1	104	23.82	23.94	23.77	
20	QPSK	50	0	22.76	22.97	22.96	24.5
20	QPSK	50	28	23.83	24.03	24.02	
20	QPSK	50	56	22.83	22.99	23.03	25.5
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	
20	256QAM	1	1	17.50	17.88	17.90	19.5
Channel				371500	376500	381500	
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	
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.89	23.88	23.85	25.5
Channel				376500	376500	382500	
Frequency (MHz)				1892.5	1892.5	1912.5	
5	PI/2 BPSK	1	1	23.91	23.90	23.85	25.5
Channel				376500	376500	382500	
Frequency (MHz)				1892.5	1892.5	1912.5	



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			
10	PI/2 BPSK	50	0	23.88			25.0
10	QPSK	1	1	24.41			
10	QPSK	1	26	24.47			25.5
10	QPSK	1	50	24.35			
10	QPSK	25	0	23.41			24.5
10	QPSK	25	14	24.38			
10	QPSK	25	27	23.38			25.5
10	QPSK	50	0	23.39			
10	16QAM	1	1	23.47			24.5
10	64QAM	1	1	21.92			
10	256QAM	1	1	20.00			23.0
10	256QAM	1	1	20.00			
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	
40	PI/2 BPSK	1	108	24.04	24.06	24.07	25.5
40	PI/2 BPSK	1	214	23.51	23.53	23.50	
40	PI/2 BPSK	108	0	23.15	23.14	23.14	25.0
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	
40	PI/2 BPSK	216	0	23.21	23.19	23.26	25.0
40	QPSK	1	1	23.51	23.50	23.51	
40	QPSK	1	108	23.97	23.96	23.99	25.5
40	QPSK	1	214	23.49	23.49	23.48	
40	QPSK	108	0	22.65	22.63	22.64	24.5
40	QPSK	108	54	23.87	23.86	23.90	25.5
40	QPSK	108	108	22.82	22.81	22.83	
40	QPSK	216	0	22.70	22.72	22.76	24.5
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	
20	PI/2 BPSK	1	53	24.66	24.67	24.62	25.5
20	PI/2 BPSK	1	104	24.52	24.53	24.43	
20	PI/2 BPSK	50	0	23.99	24.01	24.00	25.0
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	
20	QPSK	1	53	24.64	24.65	24.57	25.5
20	QPSK	1	104	24.51	24.55	24.49	
20	QPSK	50	0	23.49	23.49	23.50	24.5
20	QPSK	50	28	24.57	24.56	24.58	25.5
20	QPSK	50	56	23.57	23.58	23.59	
20	QPSK	100	0	23.54	23.54	23.55	24.5
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)				665.5	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	21.4
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	
20	PI/2 BPSK	100	0	21.14	21.09	21.06	21.4
20	QPSK	1	1	21.11	21.01	21.02	
20	QPSK	1	53	21.25	21.25	21.25	21.4
20	QPSK	1	104	21.13	21.10	21.04	
20	QPSK	50	0	21.10	21.08	21.07	21.4
20	QPSK	50	28	21.12	21.11	21.06	
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	
20	256QAM	1	1	20.20	20.16	20.10	21.4
Channel				501500	507000	512500	
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	
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.09	21.08	21.10	21.4
Channel				500500	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.15	21.13	21.06	21.4
Channel				500000	507000	514000	
Frequency (MHz)				2500	2535	2570	



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)				1880	1882.5	1905	
20	PI/2 BPSK	1	1	21.58	21.55	21.62	
20	PI/2 BPSK	1	53	21.68	21.63	21.71	21.9
20	PI/2 BPSK	1	104	21.63	21.58	21.66	
20	PI/2 BPSK	50	0	21.69	21.77	21.78	21.9
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	21.9
20	PI/2 BPSK	100	0	21.77	21.75	21.79	
20	QPSK	1	1	21.63	21.64	21.68	
20	QPSK	1	53	21.63	21.66	21.63	21.9
20	QPSK	1	104	21.70	21.79	21.80	
20	QPSK	50	0	21.28	21.25	21.28	21.5
20	QPSK	50	28	21.76	21.79	21.84	21.9
20	QPSK	50	56	21.31	21.28	21.38	
20	QPSK	100	0	21.46	21.42	21.27	21.5
20	16QAM	1	1	21.16	21.18	21.20	21.5
20	64QAM	1	1	19.53	19.45	19.53	20.0
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	21.88	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			22.2
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		
10	PI/2 BPSK	25	14		22.17		
10	PI/2 BPSK	25	27		22.04		
10	PI/2 BPSK	50	0		22.11		
10	QPSK	1	1		22.06		
10	QPSK	1	26		22.12		
10	QPSK	1	50		22.10		
10	QPSK	25	0		22.06		
10	QPSK	25	14		22.08		
10	QPSK	25	27		22.10		
10	QPSK	50	0		22.05		
10	16QAM	1	1		22.12		
10	64QAM	1	1		22.03		
10	256QAM	1	1		20.08		
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	
40	PI/2 BPSK	1	108	21.76	21.78	21.75	22.2
40	PI/2 BPSK	1	214	21.74	21.75	21.71	
40	PI/2 BPSK	108	0	21.71	21.72	21.65	22.2
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	22.2
40	QPSK	108	108	21.49	21.58	21.50	
40	QPSK	216	0	21.44	21.48	21.43	22.2
40	16QAM	1	1	21.39	21.40	21.32	22.2
40	64QAM	1	1	21.08	21.16	21.07	22.2
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	
20	PI/2 BPSK	1	53	21.22	21.19	21.14	22.6
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	
20	PI/2 BPSK	100	0	21.14	21.09	21.06	22.6
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	21.6
20	QPSK	50	28	21.12	21.11	21.06	22.6
20	QPSK	50	56	21.13	21.07	21.10	
20	QPSK	100	0	21.11	21.10	21.11	21.6
20	16QAM	1	1	21.17	21.15	21.10	22.6
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	22.6
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	22.6
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	22.6



n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1880	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	
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	
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.73	21.75	21.80	23.1
Channel				376500	376500	382500	
Frequency (MHz)				1892.5	1892.5	1912.5	
5	PI/2 BPSK	1	1	21.78	21.88	21.91	23.1
Channel				376500	376500	382500	
Frequency (MHz)				1892.5	1892.5	1912.5	



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		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	23.4
40	PI/2 BPSK	1	214	21.74	21.75	21.71	23.4
40	PI/2 BPSK	108	0	21.71	21.72	21.65	23.4
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	23.4
40	QPSK	1	1	21.28	21.36	21.33	23.4
40	QPSK	1	108	21.68	21.77	21.70	23.4
40	QPSK	1	214	21.68	21.76	21.70	23.4
40	QPSK	108	0	21.64	21.73	21.67	23.4
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	23.4
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				602000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.18	21.14	21.08	
20	PI/2 BPSK	1	53	21.22	21.19	21.14	21.4
20	PI/2 BPSK	1	104	21.13	21.08	21.07	
20	PI/2 BPSK	50	0	21.12	21.07	21.05	21.4
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	
20	PI/2 BPSK	100	0	21.14	21.09	21.06	21.4
20	QPSK	1	1	21.11	21.01	21.02	
20	QPSK	1	53	21.25	21.25	21.25	21.4
20	QPSK	1	104	21.13	21.10	21.04	
20	QPSK	50	0	21.10	21.08	21.07	20.4
20	QPSK	50	28	21.12	21.11	21.06	21.4
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)				1880	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	
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	
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.73	21.75	21.80	23.1
Channel				376500	376500	382500	
Frequency (MHz)				1892.5	1892.5	1912.5	
5	PI/2 BPSK	1	1	21.78	21.88	21.91	23.1
Channel				376500	376500	382500	
Frequency (MHz)				1892.5	1892.5	1912.5	



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			22.2
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		
10	PI/2 BPSK	25	14		22.17		
10	PI/2 BPSK	25	27		22.04		
10	PI/2 BPSK	50	0		22.11		
10	QPSK	1	1		22.06		
10	QPSK	1	26		22.12		
10	QPSK	1	50		22.10		
10	QPSK	25	0		22.06		
10	QPSK	25	14		22.08		
10	QPSK	25	27		22.10		
10	QPSK	50	0		22.05		
10	16QAM	1	1		22.12		
10	64QAM	1	1		22.03		
10	256QAM	1	1		20.08		
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	
40	PI/2 BPSK	1	108	21.76	21.78	21.75	23.4
40	PI/2 BPSK	1	214	21.74	21.75	21.71	
40	PI/2 BPSK	108	0	21.71	21.72	21.65	23.4
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	
40	PI/2 BPSK	216	0	21.43	21.46	21.46	23.4
40	QPSK	1	1	21.28	21.36	21.33	
40	QPSK	1	108	21.68	21.77	21.70	23.4
40	QPSK	1	214	21.68	21.76	21.70	
40	QPSK	108	0	21.64	21.73	21.67	23.4
40	QPSK	108	54	22.00	22.01	22.00	23.4
40	QPSK	108	108	21.49	21.58	21.50	
40	QPSK	216	0	21.44	21.48	21.43	23.4
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				343000	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	
20	PI/2 BPSK	50	28	23.99	23.96	23.93	
20	PI/2 BPSK	50	56	23.46	23.43	23.39	
20	PI/2 BPSK	100	0	23.48	23.45	23.42	24.6
20	QPSK	1	1	23.98	23.95	23.92	25.1
20	QPSK	1	53	24.06	24.04	24.02	
20	QPSK	1	104	23.90	23.88	23.84	
20	QPSK	50	0	22.99	22.96	22.94	
20	QPSK	50	28	23.99	23.96	23.93	
20	QPSK	50	56	22.95	22.93	22.89	
20	QPSK	100	0	22.98	22.95	22.92	24.1
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	
20	PI/2 BPSK	1	53	23.10	23.01	22.86	24.7
20	PI/2 BPSK	1	104	22.90	22.76	22.71	
20	PI/2 BPSK	50	0	22.43	22.38	22.23	24.2
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	22.96	22.85	22.75	24.7
20	QPSK	50	56	21.94	21.81	21.74	
20	QPSK	100	0	21.94	21.85	21.73	23.7
20	16QAM	1	1	21.89	21.89	21.75	23.7
20	64QAM	1	1	20.36	20.36	20.20	22.2
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	
15	QPSK	1	40	24.04	24.02	24.02	25.1
15	QPSK	1	77	24.04	24.03	24.02	
15	QPSK	36	0	23.12	23.11	23.09	24.1
15	QPSK	36	22	24.10	24.11	24.10	
15	QPSK	36	43	23.09	23.08	23.07	25.1
15	QPSK	75	0	23.11	23.09	23.08	
15	16QAM	1	1	23.13	23.12	23.11	24.1
15	64QAM	1	1	21.56	21.56	21.55	
15	256QAM	1	1	19.61	19.61	19.60	20.6
Channel				140800	141500	142200	
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.14	24.10	24.05	25.1
Channel				140300	141500	142700	
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	
20	PI/2 BPSK	1	53	23.24	23.30	23.25	24.6
20	PI/2 BPSK	1	104	22.96	23.10	22.99	
20	PI/2 BPSK	50	0	22.55	22.61	22.56	24.1
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	
20	QPSK	1	53	23.19	23.26	23.20	24.6
20	QPSK	1	104	22.99	23.09	22.96	
20	QPSK	50	0	22.05	22.12	22.08	23.6
20	QPSK	50	28	23.09	23.17	23.14	24.6
20	QPSK	50	56	22.09	22.16	22.07	
20	QPSK	100	0	22.07	22.14	22.07	23.6
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				376500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1892.5	1892.5	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		24.0
10	PI/2 BPSK	25	0		22.30		
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		24.5
10	QPSK	1	1		22.82		
10	QPSK	1	26		22.87		23.5
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	
40	PI/2 BPSK	1	108	23.10	22.99	22.93	24.2
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	24.2
40	PI/2 BPSK	108	108	22.27	22.17	22.18	
40	PI/2 BPSK	216	0	22.19	22.13	22.13	23.7
40	QPSK	1	1	22.20	22.23	22.20	
40	QPSK	1	108	23.02	22.85	22.89	24.2
40	QPSK	1	214	22.41	22.41	22.42	
40	QPSK	108	0	21.88	21.62	21.50	23.2
40	QPSK	108	54	22.85	22.81	22.72	24.2
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
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	22.21	22.23	22.20	24.2
Channel				344000	349000	354000	tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	22.69	22.73	22.65	24.2
Channel				343500	349000	354500	tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	22.44	22.46	22.35	23.7
Channel				343000	349000	355000	tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	22.72	22.68	22.63	24.2
Channel				342500	349000	355500	tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
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	
20	PI/2 BPSK	1	53	24.30	24.21	24.12	25.1
20	PI/2 BPSK	1	104	24.02	23.93	23.84	
20	PI/2 BPSK	50	0	23.66	23.55	23.47	24.6
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	24.6
20	PI/2 BPSK	100	0	23.64	23.54	23.45	
20	QPSK	1	1	24.10	24.00	23.90	
20	QPSK	1	53	24.28	24.18	24.10	25.1
20	QPSK	1	104	24.01	23.93	23.84	
20	QPSK	50	0	23.15	23.05	22.96	24.1
20	QPSK	50	28	24.17	24.07	23.98	25.1
20	QPSK	50	56	23.11	23.01	22.92	24.1
20	QPSK	100	0	23.13	23.04	22.94	
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	137100	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	
20	PI/2 BPSK	50	28	23.99	23.96	23.93	
20	PI/2 BPSK	50	56	23.46	23.43	23.39	
20	PI/2 BPSK	100	0	23.48	23.45	23.42	24.6
20	QPSK	1	1	23.98	23.95	23.92	25.1
20	QPSK	1	53	24.06	24.04	24.02	
20	QPSK	1	104	23.90	23.88	23.84	
20	QPSK	50	0	22.99	22.96	22.94	
20	QPSK	50	28	23.99	23.96	23.93	
20	QPSK	50	56	22.95	22.93	22.89	
20	QPSK	100	0	22.98	22.95	22.92	24.1
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				602000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.44	21.28	21.42	
20	PI/2 BPSK	1	53	21.55	21.50	21.51	21.8
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	21.8
20	QPSK	50	28	21.51	21.32	21.33	21.8
20	QPSK	50	56	21.50	21.43	21.46	
20	QPSK	100	0	21.49	21.49	21.36	21.8
20	16QAM	1	1	21.45	21.40	21.26	21.8
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	
15	QPSK	1	40	24.04	24.02	24.02	25.1
15	QPSK	1	77	24.04	24.03	24.02	
15	QPSK	36	0	23.12	23.11	23.09	24.1
15	QPSK	36	22	24.10	24.11	24.10	
15	QPSK	36	43	23.09	23.08	23.07	25.1
15	QPSK	75	0	23.11	23.09	23.08	
15	16QAM	1	1	23.13	23.12	23.11	24.1
15	64QAM	1	1	21.56	21.56	21.55	
15	256QAM	1	1	19.61	19.61	19.60	20.6
Channel				140800	141500	142200	
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.14	24.10	24.05	25.1
Channel				140300	141500	142700	
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.18	24.10	24.05	25.1
Channel				140300	141500	142700	
Frequency (MHz)				701.5	707.5	713.5	



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	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	
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.09	22.98	22.99	23.3
Channel				376500	376500	382500	
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		24.0
10	PI/2 BPSK	25	0		22.30		
10	PI/2 BPSK	25	14		22.77		24.5
10	PI/2 BPSK	25	27		22.23		
10	PI/2 BPSK	50	0		22.27		24.0
10	QPSK	1	1		22.82		
10	QPSK	1	26		22.87		24.5
10	QPSK	1	50		22.68		
10	QPSK	25	0		21.80		23.5
10	QPSK	25	14		22.77		
10	QPSK	25	27		21.73		24.5
10	QPSK	50	0		21.77		
10	16QAM	1	1		21.87		23.5
10	64QAM	1	1		20.33		
10	256QAM	1	1		18.36		20.0
Channel				461500	462000	462500	
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	
40	PI/2 BPSK	1	108	23.10	22.99	22.93	24.1
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	
40	PI/2 BPSK	216	0	22.69	22.63	22.61	23.6
40	QPSK	1	1	22.20	22.23	22.20	
40	QPSK	1	108	23.02	22.85	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	
40	QPSK	216	0	21.69	21.62	21.63	23.1
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	
20	PI/2 BPSK	1	53	24.30	24.21	24.12	25.1
20	PI/2 BPSK	1	104	24.02	23.93	23.84	
20	PI/2 BPSK	50	0	23.66	23.55	23.47	24.6
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	24.6
20	PI/2 BPSK	100	0	23.64	23.54	23.45	
20	QPSK	1	1	24.10	24.00	23.90	
20	QPSK	1	53	24.28	24.18	24.10	25.1
20	QPSK	1	104	24.01	23.93	23.84	
20	QPSK	50	0	23.15	23.05	22.96	24.1
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	137100	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	
20	PI/2 BPSK	1	53	21.55	21.50	21.51	23.0
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	
20	QPSK	100	0	21.49	21.49	21.36	22.0
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	
Frequency (MHz)				1857.5	1882.5	1907.5	tune-up limit (dBm)
15	PI/2 BPSK	1	1	22.60	22.70	22.69	24.5
Channel				371000	376500	382000	
Frequency (MHz)				1855	1882.5	1910	tune-up limit (dBm)
10	PI/2 BPSK	1	1	23.09	22.98	22.99	24.5
Channel				376500	376500	382500	
Frequency (MHz)				1892.5	1892.5	1912.5	tune-up limit (dBm)
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	
40	PI/2 BPSK	1	108	23.10	22.99	22.93	24.2
40	PI/2 BPSK	1	214	22.46	22.44	22.44	
40	PI/2 BPSK	108	0	22.18	22.12	22.01	23.8
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	22.85	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	24.2
40	QPSK	108	108	21.73	21.67	21.68	
40	QPSK	216	0	21.69	21.62	21.63	23.3
40	16QAM	1	1	21.24	21.31	21.22	23.3
40	64QAM	1	1	19.71	19.76	19.73	21.8
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	
20	PI/2 BPSK	1	53	21.55	21.50	21.51	23.0
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	
20	QPSK	100	0	21.49	21.49	21.36	22.0
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	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	
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.09	22.98	22.99	23.3
Channel				376500	376500	382500	
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	
40	PI/2 BPSK	1	108	23.10	22.99	22.93	24.1
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	
40	PI/2 BPSK	216	0	22.69	22.63	22.61	23.7
40	QPSK	1	1	22.20	22.23	22.20	
40	QPSK	1	108	23.02	22.85	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	
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	24.1
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	
100	PI/2 BPSK	1	137	25.96	26.05	26.00	27.0
100	PI/2 BPSK	1	271	25.98	25.84	25.73	
100	PI/2 BPSK	135	0	25.26	25.34	25.39	26.5
100	PI/2 BPSK	135	69	25.90	26.03	25.94	27.0
100	PI/2 BPSK	135	138	25.37	25.46	25.35	
100	PI/2 BPSK	270	0	25.30	25.40	25.35	26.5
100	QPSK	1	1	25.58	25.73	25.72	
100	QPSK	1	137	25.94	26.02	25.94	27.0
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	27.0
100	QPSK	135	138	24.88	24.97	24.87	
100	QPSK	270	0	24.81	24.91	24.84	26.0
100	16QAM	1	1	24.65	24.91	24.76	26.0
100	64QAM	1	1	22.96	23.07	23.06	24.5
100	256QAM	1	1	20.88	21.16	20.97	22.5
Channel				508200	518598	528996	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.77	25.78	25.81	27.0
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
60	PI/2 BPSK	1	1	25.81	25.77	25.88	27.0
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	26.28	26.08	26.01	27.0
Channel				503202	518598	534000	tune-up limit (dBm)
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	tune-up limit (dBm)
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	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.88	26.19	25.92	27.0
Channel				500202	518598	537000	tune-up limit (dBm)
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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.73	24.74	24.78	25.5
100	PI/2 BPSK	1	137	25.01	25.04	24.99	
100	PI/2 BPSK	1	271	24.95	24.85	24.77	
100	PI/2 BPSK	135	0	24.85	24.81	24.89	25.5
100	PI/2 BPSK	135	69	24.96	25.02	24.97	25.5
100	PI/2 BPSK	135	138	24.90	24.97	24.92	25.5
100	PI/2 BPSK	270	0	24.84	24.86	24.89	25.5
100	QPSK	1	1	24.71	24.70	24.73	
100	QPSK	1	137	24.98	25.01	24.98	
100	QPSK	1	271	24.97	24.93	24.78	25.5
100	QPSK	135	0	24.82	24.82	24.88	25.5
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	25.5
100	16QAM	1	1	24.65	24.80	24.76	25.5
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 (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.03	24.76	24.92	25.5
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.01	24.77	24.90	25.5
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.99	24.76	24.98	25.5
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	25.02	25.02	24.73	25.5
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.01	25.01	24.96	25.5
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.03	25.03	24.96	25.5
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.01	25.03	24.97	25.5
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.99	23.01	24.86	25.5
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 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	25.0
100	PI/2 BPSK	135	0	23.86	23.89	23.91	
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	
100	PI/2 BPSK	270	0	23.93	23.90	23.98	25.5
100	QPSK	1	1	24.25	24.29	24.29	
100	QPSK	1	137	24.50	24.46	24.49	24.5
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	
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	
100	256QAM	1	1	19.68	19.67	19.72	21.0
Channel				638668	641666	643666	
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	
Frequency (MHz)				3590.02	3624.99	3639.99	
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	
Frequency (MHz)				3655	3624.99	3694.98	
10	PI/2 BPSK	1	1	24.37	24.48	24.49	25.5
Channel				637000	641666	646332	
Frequency (MHz)				3655	3624.99	3694.98	





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	
100	PI/2 BPSK	1	137	25.60	25.73	25.56	27.0
100	PI/2 BPSK	1	271	25.63	25.73	25.20	
100	PI/2 BPSK	135	0	25.18	25.08	24.90	26.5
100	PI/2 BPSK	135	69	25.58	25.76	25.54	27.0
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	27.0
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	27.0
100	QPSK	135	138	24.91	24.48	24.40	
100	QPSK	270	0	24.50	24.72	24.34	26.0
100	16QAM	1	1	24.76	24.82	24.58	26.0
100	64QAM	1	1	22.90	22.92	22.88	24.5
100	256QAM	1	1	20.98	21.11	20.79	22.5
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	27.0
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	27.0
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.05	25.73	26.01	27.0
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	27.0
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	27.0
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	27.0
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	27.0
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.92	25.65	25.56	27.0
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.09	25.86	25.49	27.0
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	27.0



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	3519.98	
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				630000	633332	636666	↑ 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	24.3
100	PI/2 BPSK	135	69	23.42	23.53	23.40	25.3
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	25.3
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	25.3
100	QPSK	135	138	23.75	23.33	23.31	
100	QPSK	270	0	23.32	23.49	23.30	24.3
100	16QAM	1	1	23.50	23.51	23.33	24.3
100	64QAM	1	1	22.71	22.78	22.66	22.8
100	256QAM	1	1	20.74	20.72	20.75	20.8
Channel				649668	656000	662332	tune-up limit (dBm)
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				647000	656000	665000	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		24.3
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		24.3
100	QPSK	135	69		23.40		25.3
100	QPSK	135	138		23.58		
100	QPSK	270	0		23.44		24.3
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	3519.98	
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	23.85	23.69	25.3
Channel				630500	633332	636166	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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.29	20.40	20.31	
100	PI/2 BPSK	1	137	20.61	20.69	20.61	21.5
100	PI/2 BPSK	1	271	20.36	20.40	20.40	
100	PI/2 BPSK	135	0	20.38	20.35	20.27	21.5
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	21.5
100	PI/2 BPSK	270	0	20.44	20.43	20.45	
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	20.5
100	QPSK	135	69	20.49	20.56	20.59	21.5
100	QPSK	135	138	20.56	20.53	20.40	
100	QPSK	270	0	20.39	20.49	20.37	20.5
100	16QAM	1	1	20.37	20.32	20.30	21.5
100	64QAM	1	1	20.11	20.31	20.18	21.5
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2639.98	
60	PI/2 BPSK	1	1	20.28	20.37	20.47	21.5
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
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	2682.48	
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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.19	17.30	17.21	
100	PI/2 BPSK	1	137	17.41	17.50	17.41	18.5
100	PI/2 BPSK	1	271	17.26	17.30	17.30	
100	PI/2 BPSK	135	0	17.28	17.25	17.17	18.5
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	17.26	17.28	17.27	18.5
100	QPSK	135	69	17.39	17.46	17.40	18.5
100	QPSK	135	138	17.46	17.43	17.30	
100	QPSK	270	0	17.29	17.39	17.27	18.5
100	16QAM	1	1	17.27	17.22	17.20	18.5
100	64QAM	1	1	17.01	17.21	17.08	18.5
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2639.98	
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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.89	18.97	18.89	
100	PI/2 BPSK	1	137	19.20	19.28	19.12	20.3
100	PI/2 BPSK	1	271	18.91	18.98	18.90	
100	PI/2 BPSK	135	0	18.98	18.91	18.79	20.3
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	18.09	18.14	18.16	20.3
100	QPSK	1	271	18.83	18.85	18.93	
100	QPSK	135	0	18.88	18.86	18.97	19.3
100	QPSK	135	69	19.00	19.16	19.10	20.3
100	QPSK	135	138	19.08	19.09	18.99	
100	QPSK	270	0	18.97	19.04	18.93	19.3
100	16QAM	1	1	18.95	18.84	18.83	20.3
100	64QAM	1	1	18.62	18.91	18.73	20.3
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
60	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	18.85	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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.84	15.97	15.87	
100	PI/2 BPSK	1	137	16.16	16.27	16.22	17.3
100	PI/2 BPSK	1	271	15.90	16.00	16.00	
100	PI/2 BPSK	135	0	16.00	15.89	15.86	17.3
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	15.86	15.97	
100	QPSK	135	0	16.00	15.94	15.92	17.3
100	QPSK	135	69	16.07	16.20	16.22	17.3
100	QPSK	135	138	16.12	16.07	16.00	
100	QPSK	270	0	15.94	16.05	16.00	17.3
100	16QAM	1	1	15.91	15.87	15.90	17.3
100	64QAM	1	1	15.68	15.94	15.79	17.3
100	256QAM	1	1	15.86	15.88	15.87	17.3
Channel				508200	518598	528996	tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	15.91	15.97	15.95	17.3
Channel				507204	518598	529998	tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	15.91	16.04	15.83	17.3
Channel				506200	518598	531996	tune-up limit
Frequency (MHz)				2536	2592.99	2639.98	(dBm)
60	PI/2 BPSK	1	1	15.87	15.01	16.08	17.3
Channel				504204	518598	532998	tune-up limit
Frequency (MHz)				2521.02	2592.99	2684.99	(dBm)
50	PI/2 BPSK	1	1	16.15	16.08	16.01	17.3
Channel				503202	518598	534000	tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	15.89	16.04	15.97	17.3
Channel				502200	518598	534996	tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	16.18	16.05	16.09	17.3
Channel				501204	518598	535998	tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	16.03	15.94	15.78	17.3
Channel				500700	518598	536496	tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	15.84	15.91	15.87	17.3
Channel				500202	518598	537000	tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	15.84	15.95	15.88	17.3





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				#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	
100	PI/2 BPSK	1	137	23.58	23.57	23.53	23.9
100	PI/2 BPSK	1	271	23.35	23.51	23.50	
100	PI/2 BPSK	135	0	23.53	23.68	23.52	23.9
100	PI/2 BPSK	135	69	23.58	23.66	23.67	23.9
100	PI/2 BPSK	135	138	23.36	23.32	23.32	23.9
100	PI/2 BPSK	270	0	23.51	23.53	23.33	
100	QPSK	1	1	23.50	23.57	23.46	
100	QPSK	1	137	23.35	23.36	23.43	23.9
100	QPSK	1	271	23.38	23.45	23.37	
100	QPSK	135	0	23.35	23.47	23.44	23.9
100	QPSK	135	69	23.33	23.45	23.33	23.9
100	QPSK	135	138	23.34	23.30	23.33	
100	QPSK	270	0	23.38	23.36	23.37	23.9
100	16QAM	1	1	23.53	23.58	23.53	23.9
100	64QAM	1	1	23.40	23.51	23.44	23.9
100	256QAM	1	1	21.18	21.05	20.87	22.5
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	2664.98	
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	2682.48	
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				509202	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	20.9
100	PI/2 BPSK	135	69	20.83	20.88	20.78	20.9
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	20.9
100	QPSK	1	271	20.56	20.64	20.60	
100	QPSK	135	0	20.84	20.72	20.72	
100	QPSK	135	69	20.63	20.68	20.61	20.9
100	QPSK	135	138	20.63	20.65	20.60	20.9
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	20.9
Channel				508200	518598	528996	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.53	20.58	20.55	20.9
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
60	PI/2 BPSK	1	1	20.56	20.57	20.51	20.9
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	20.63	20.55	20.47	20.9
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.62	20.59	20.47	20.9
Channel				502200	518598	534996	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.60	20.61	20.50	20.9
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.62	20.65	20.55	20.9
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.60	20.60	20.46	20.9



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	
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	
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				638668	641666	643666	tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	tune-up limit (dBm)
Frequency (MHz)				3590.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
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	
100	PI/2 BPSK	1	137	23.57	23.94	23.52	25.1
100	PI/2 BPSK	1	271	23.42	23.54	23.50	
100	PI/2 BPSK	135	0	23.30	23.37	23.31	25.1
100	PI/2 BPSK	135	69	23.52	23.75	23.48	25.1
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	25.1
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	25.1
100	QPSK	135	138	23.46	23.73	23.45	
100	QPSK	270	0	23.38	23.80	23.42	25.1
100	16QAM	1	1	23.45	23.57	23.43	25.1
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	23.38	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				647000	656000	664998	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				633000	633332	633666	↑ tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	23.53	23.52	23.41	25.1
100	PI/2 BPSK	1	137				
100	PI/2 BPSK	1	271				
100	PI/2 BPSK	135	0				25.1
100	PI/2 BPSK	135	69				25.1
100	PI/2 BPSK	135	138				25.1
100	PI/2 BPSK	270	0				
100	QPSK	1	1				
100	QPSK	1	137				25.1
100	QPSK	1	271				
100	QPSK	135	0				25.1
100	QPSK	135	69				25.1
100	QPSK	135	138				25.1
100	QPSK	270	0				25.1
100	16QAM	1	1				25.1
100	64QAM	1	1				24.5
100	256QAM	1	1				22.5
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	3519.98	
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				630000	633332	636666	↑ 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	22.1
100	PI/2 BPSK	135	69	21.77	21.84	21.66	22.1
100	PI/2 BPSK	135	138	21.58	21.67	21.53	22.1
100	PI/2 BPSK	270	0	21.60	21.81	21.66	
100	QPSK	1	1	21.54	21.54	21.39	22.1
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	22.1
100	QPSK	135	69	21.77	21.84	21.82	22.1
100	QPSK	135	138	21.62	21.63	21.58	
100	QPSK	270	0	21.72	21.74	21.67	22.1
100	16QAM	1	1	21.45	21.55	21.48	22.1
100	64QAM	1	1	21.37	21.49	21.39	22.1
100	256QAM	1	1	20.73	20.92	20.75	21.0
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.27	21.56	21.27	22.1
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.26	21.54	21.39	22.1
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.24	21.52	21.30	22.1
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.31	21.41	21.34	22.1
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.31	21.45	21.40	22.1
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.39	21.44	21.36	22.1
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.30	21.56	21.25	22.1
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.28	21.41	21.27	22.1
Channel				647000	656000	664998	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.36	21.55	21.32	22.1
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
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		22.1
100	PI/2 BPSK	135	69		21.89		22.1
100	PI/2 BPSK	135	138		21.71		22.1
100	PI/2 BPSK	270	0		21.75		
100	QPSK	1	1		21.74		22.1
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		22.1
100	QPSK	135	138		21.58		
100	QPSK	270	0		21.78		22.1
100	16QAM	1	1		21.77		22.1
100	64QAM	1	1		21.70		22.1
100	256QAM	1	1		20.75		21.0
Channel				633000	633332	633666	tune-up limit (dBm)
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	22.1
Channel				632334	633332	634332	tune-up limit (dBm)
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	22.1
Channel				631668	633332	635000	tune-up limit (dBm)
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	22.1
Channel				631000	633332	635666	tune-up limit (dBm)
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	22.1
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.55	21.62	21.48	22.1
Channel				630000	633332	636666	tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.57	21.57	21.64	22.1



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	24.87	24.99	25.00	
100	PI/2 BPSK	1	137	24.90	25.02	25.01	26.5
100	PI/2 BPSK	1	271	24.76	24.97	24.93	
100	PI/2 BPSK	135	0	25.01	25.15	24.97	26.5
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	26.5
100	PI/2 BPSK	270	0	24.97	24.99	24.82	
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	26.5
100	QPSK	135	138	24.69	24.78	24.64	
100	QPSK	270	0	24.68	24.81	24.61	26.0
100	16QAM	1	1	24.68	24.70	24.70	26.0
100	64QAM	1	1	23.54	23.66	23.62	24.5
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	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.97	24.89	24.64	26.5
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	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	PI/2 BPSK	1	1	24.84	24.87	24.67	26.5
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	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
30	PI/2 BPSK	1	1	24.80	24.79	24.82	26.5
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	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
15	PI/2 BPSK	1	1	24.79	24.80	24.72	26.5
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				509202	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	23.5
100	PI/2 BPSK	135	69	21.85	21.87	21.86	23.5
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	
100	QPSK	1	1	21.75	21.81	21.73	23.5
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	23.5
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	23.5
100	16QAM	1	1	21.76	21.75	21.67	23.5
100	64QAM	1	1	21.67	21.76	21.65	23.5
100	256QAM	1	1	21.18	21.12	21.04	22.5
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.79	21.80	21.74	23.5
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.68	21.68	21.65	23.5
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
60	PI/2 BPSK	1	1	21.68	21.72	21.68	23.5
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PI/2 BPSK	1	1	21.64	21.70	21.58	23.5
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.80	21.79	21.60	23.5
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.73	21.71	21.61	23.5
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.70	21.78	21.63	23.5
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.77	21.85	21.71	23.5
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
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	
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	
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				638668	641666	643666	tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	tune-up limit (dBm)
Frequency (MHz)				3590.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
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	
100	PI/2 BPSK	1	137	25.60	25.77	25.56	26.3
100	PI/2 BPSK	1	271	25.63	25.73	25.20	
100	PI/2 BPSK	135	0	25.18	25.08	24.90	26.3
100	PI/2 BPSK	135	69	25.58	25.76	25.54	26.3
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	26.3
100	QPSK	1	271	25.60	25.75	25.20	
100	QPSK	135	0	24.63	24.58	24.40	26.3
100	QPSK	135	69	25.55	25.76	25.53	26.3
100	QPSK	135	138	24.91	24.48	24.40	
100	QPSK	270	0	24.50	24.72	24.34	26.3
100	16QAM	1	1	24.76	24.82	24.58	26.3
100	64QAM	1	1	22.90	22.92	22.88	26.3
100	256QAM	1	1	20.98	21.11	20.79	26.3
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	25.65	25.56	26.3
Channel				647000	656000	664998	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		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1	25.73			26.3
100	PI/2 BPSK	1	137	25.70			26.3
100	PI/2 BPSK	1	271	25.89			26.3
100	PI/2 BPSK	135	0	25.26			26.3
100	PI/2 BPSK	135	69	25.67			26.3
100	PI/2 BPSK	135	138	25.24			26.3
100	PI/2 BPSK	270	0	25.11			26.3
100	QPSK	1	1	25.72			26.3
100	QPSK	1	137	25.69			26.3
100	QPSK	1	271	25.88			26.3
100	QPSK	135	0	24.75			26.3
100	QPSK	135	69	25.67			26.3
100	QPSK	135	138	24.74			26.3
100	QPSK	270	0	25.00			26.3
100	16QAM	1	1	24.77			26.3
100	64QAM	1	1	23.04			26.3
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				630000	633332	636666	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	23.3
100	PI/2 BPSK	135	69	21.77	21.84	21.66	23.3
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	23.3
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	
100	QPSK	270	0	21.72	21.74	21.67	23.3
100	16QAM	1	1	21.45	21.55	21.48	23.3
100	64QAM	1	1	21.37	21.49	21.39	23.3
100	256QAM	1	1	20.73	20.92	20.75	22.2
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.27	21.56	21.27	23.3
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.26	21.54	21.39	23.3
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.20	21.59	21.30	23.3
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.31	21.41	21.34	23.3
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.31	21.45	21.40	23.3
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.39	21.44	21.36	23.3
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.30	21.56	21.25	23.3
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.28	21.41	21.27	23.3
Channel				647000	656000	664998	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.36	21.55	21.32	23.3
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
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		23.3
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		
100	PI/2 BPSK	270	0		21.75		23.3
100	QPSK	1	1		21.74		
100	QPSK	1	137		21.88		23.3
100	QPSK	1	271		21.65		
100	QPSK	135	0		21.84		23.3
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		
100	256QAM	1	1		20.75		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.52	21.58	21.56	23.3
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	23.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.50	21.57	21.60	23.3
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	23.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.47	21.51	21.48	23.3
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	23.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.66	21.55	21.51	23.3
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	23.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.55	21.62	21.48	23.3
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	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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.42	23.53	23.51	
100	PI/2 BPSK	1	137	23.58	23.57	23.53	25.3
100	PI/2 BPSK	1	271	23.35	23.51	23.50	
100	PI/2 BPSK	135	0	23.53	23.68	23.52	25.3
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	25.3
100	PI/2 BPSK	270	0	23.51	23.53	23.33	
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	25.3
100	QPSK	135	138	23.34	23.30	23.33	
100	QPSK	270	0	23.38	23.36	23.37	25.3
100	16QAM	1	1	23.53	23.58	23.53	25.0
100	64QAM	1	1	23.40	23.51	23.44	24.5
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
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	2652.48	
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				509202	518598	528000	
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	20.84	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	
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.63	20.65	20.56	22.3
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.53	20.58	20.55	22.3
Channel				506200	518598	531996	
Frequency (MHz)				2526	2592.99	2639.98	
60	PI/2 BPSK	1	1	20.56	20.57	20.51	22.3
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2684.98	
50	PI/2 BPSK	1	1	20.63	20.55	20.47	22.3
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.62	20.59	20.47	22.3
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.59	20.60	20.50	22.3
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.60	20.61	20.50	22.3
Channel				500700	518598	536496	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.62	20.65	20.55	22.3
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.60	20.60	20.46	22.3
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	





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	25.5
100	QPSK	1	137	24.50	24.46	24.49	
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				638668	641666	643666	tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	24.24	24.31	24.34	25.5
Channel				639334	641666	644000	tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	24.24	24.29	24.33	25.5
Channel				638668	641666	644666	tune-up limit (dBm)
Frequency (MHz)				3590.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	24.21	24.31	24.32	25.5
Channel				638334	641666	645000	tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	24.39	24.48	24.48	25.5
Channel				638000	641666	645332	tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.38	24.49	24.49	25.5
Channel				637334	641666	646000	tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	24.40	24.51	24.51	25.5
Channel				637168	641666	646166	tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	24.39	24.49	24.52	25.5
Channel				637000	641666	646332	tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
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	
100	PI/2 BPSK	1	137	25.60	25.77	25.56	26.3
100	PI/2 BPSK	1	271	25.63	25.73	25.20	
100	PI/2 BPSK	135	0	25.18	25.08	24.90	26.3
100	PI/2 BPSK	135	69	25.58	25.76	25.54	26.3
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	26.3
100	QPSK	1	271	25.60	25.75	25.20	
100	QPSK	135	0	24.63	24.58	24.40	25.3
100	QPSK	135	69	25.55	25.76	25.53	26.3
100	QPSK	135	138	24.91	24.48	24.40	
100	QPSK	270	0	24.50	24.72	24.34	25.3
100	16QAM	1	1	24.76	24.82	24.58	25.3
100	64QAM	1	1	22.90	22.92	22.88	23.8
100	256QAM	1	1	20.98	21.11	20.79	21.8
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	25.65	25.56	26.3
Channel				647000	656000	665000	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				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				630000	633332	636666	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	23.3
100	PI/2 BPSK	135	69	21.77	21.84	21.66	23.3
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	23.3
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	
100	QPSK	270	0	21.72	21.74	21.67	23.3
100	16QAM	1	1	21.45	21.55	21.48	23.3
100	64QAM	1	1	21.37	21.49	21.39	23.3
100	256QAM	1	1	20.73	20.92	20.75	22.2
Channel				649668	656000	662332	tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.27	21.56	21.27	23.3
Channel				649334	656000	662666	tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.26	21.54	21.39	23.3
Channel				649000	656000	663000	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.30	21.51	21.35	23.3
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.31	21.41	21.34	23.3
Channel				648334	656000	663666	tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.31	21.45	21.40	23.3
Channel				648000	656000	664000	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.39	21.44	21.36	23.3
Channel				647668	656000	664332	tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.30	21.56	21.25	23.3
Channel				647334	656000	664666	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.28	21.41	21.27	23.3
Channel				647000	656000	664998	tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.36	21.55	21.32	23.3
Channel				647000	656000	665000	tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
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		23.3
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		23.3
100	QPSK	135	69		21.87		23.3
100	QPSK	135	138		21.58		
100	QPSK	270	0		21.78		23.3
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 (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.52	21.58	21.56	23.3
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	23.3
Channel				632334	633332	634332	tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.50	21.53	21.60	23.3
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	23.3
Channel				631668	633332	635000	tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.47	21.51	21.48	23.3
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	23.3
Channel				631000	633332	635666	tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.66	21.55	21.51	23.3
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	23.3
Channel				630334	633332	636332	tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.55	21.62	21.48	23.3
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	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				509202	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	25.9
100	PI/2 BPSK	270	0	24.78	24.96	25.03	
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 (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.89	25.15	25.34	26.4
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.87	25.16	25.36	26.4
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.01	25.16	25.37	26.4
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.04	25.38	25.50	26.4
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.12	25.52	25.50	26.4
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.12	25.55	25.58	26.4
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.15	25.58	25.62	26.4
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.17	25.59	25.63	26.4
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.23	23.53	23.75	
100	PI/2 BPSK	1	137	23.79	23.99	24.03	25.0
100	PI/2 BPSK	1	271	23.81	23.88	23.89	
100	PI/2 BPSK	135	0	23.80	23.73	23.87	25.0
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	25.0
100	PI/2 BPSK	270	0	23.63	23.82	23.89	
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	25.0
100	QPSK	135	138	23.81	23.92	23.92	
100	QPSK	270	0	23.64	23.80	23.90	25.0
100	16QAM	1	1	23.31	23.79	23.74	25.0
100	64QAM	1	1	22.55	22.82	22.95	24.0
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
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	2684.99	
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	23.83	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	
100	PI/2 BPSK	1	137	21.87	21.93	21.97	23.5
100	PI/2 BPSK	1	271	21.86	21.92	22.01	
100	PI/2 BPSK	135	0	21.14	21.23	21.28	23.0
100	PI/2 BPSK	135	69	21.78	21.89	21.92	23.5
100	PI/2 BPSK	135	138	21.29	21.40	21.44	
100	PI/2 BPSK	270	0	21.19	21.31	21.36	23.0
100	QPSK	1	1	21.52	21.62	21.69	
100	QPSK	1	137	21.83	21.92	21.95	23.5
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	23.5
100	QPSK	135	138	20.79	20.89	20.93	
100	QPSK	270	0	20.68	20.80	20.85	22.5
100	16QAM	1	1	20.53	20.70	20.80	22.5
100	64QAM	1	1	19.04	19.07	19.03	21.0
100	256QAM	1	1	17.02	17.04	17.09	19.0
Channel				638668	641666	643666	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.51	21.62	21.73	23.5
Channel				638668	641666	644666	tune-up limit (dBm)
Frequency (MHz)				3590.02	3624.99	3693.99	
60	PI/2 BPSK	1	1	21.50	21.63	21.75	23.5
Channel				639334	641666	645000	tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	21.64	21.85	21.91	23.5
Channel				638000	641666	645332	tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.56	21.86	21.87	23.5
Channel				637334	641666	646000	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.68	21.91	22.00	23.5
Channel				637000	641666	646332	tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.63	21.90	21.99	23.5





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	
100	PI/2 BPSK	1	137	23.45	23.59	23.64	25.0
100	PI/2 BPSK	1	271	23.46	23.68	23.66	
100	PI/2 BPSK	135	0	22.78	22.93	22.97	24.5
100	PI/2 BPSK	135	69	23.42	23.54	23.58	25.0
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	25.0
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	25.0
100	QPSK	135	138	22.44	22.54	22.58	
100	QPSK	270	0	22.35	22.48	22.52	24.0
100	16QAM	1	1	22.30	22.35	22.41	24.0
100	64QAM	1	1	20.60	20.81	20.87	22.5
100	256QAM	1	1	18.55	18.78	18.86	20.5
Channel				649668	656000	662332	tune-up limit (dBm)
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	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.25	23.41	23.41	25.0
Channel				648668	656000	663332	tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.19	23.40	23.44	25.0
Channel				648334	656000	663666	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.38	23.40	23.52	25.0
Channel				647668	656000	664332	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.39	23.61	23.67	25.0
Channel				647000	656000	665000	tune-up limit (dBm)
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	tune-up limit (dBm)
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				633000	633332	633666	tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
100	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	23.35	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				630000	633332	636666	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	22.3
100	PI/2 BPSK	135	0	22.27	22.26	22.22	
100	PI/2 BPSK	135	69	22.24	22.27	22.23	23.3
100	PI/2 BPSK	135	138	22.29	22.29	22.24	
100	PI/2 BPSK	270	0	22.28	22.31	22.28	22.3
100	QPSK	1	1	22.54	22.48	22.56	
100	QPSK	1	137	22.51	22.66	22.73	23.5
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	22.5
100	QPSK	270	0	22.48	22.46	22.47	
100	16QAM	1	1	22.38	22.40	22.48	22.5
100	64QAM	1	1	20.65	20.96	20.85	
100	256QAM	1	1	18.86	18.98	18.89	19.0
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	23.3
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.65	22.34	22.40	23.3
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.68	22.38	22.72	23.3
Channel				648334	656000	663666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.49	22.55	22.70	23.3
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	23.3
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.45	22.55	22.72	23.3
Channel				647168	656000	664932	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.44	22.54	22.70	23.3
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.39	22.57	22.70	23.3
Channel				646668	656000	665332	
Frequency (MHz)				3700	3840	3979.98	



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				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	21.39	21.40	21.40	23.5
100	PI/2 BPSK	1	137				23.3
100	PI/2 BPSK	1	271				
100	PI/2 BPSK	135	0				22.3
100	PI/2 BPSK	135	69				23.3
100	PI/2 BPSK	135	138				22.3
100	PI/2 BPSK	270	0				22.07
100	QPSK	1	1				21.82
100	QPSK	1	137				22.15
100	QPSK	1	271				22.35
100	QPSK	135	0				21.96
100	QPSK	135	69				22.15
100	QPSK	135	138				22.23
100	QPSK	270	0				22.09
100	16QAM	1	1				21.85
100	64QAM	1	1				20.14
100	256QAM	1	1				18.08
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				630334	633332	636332	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				630000	633332	636666	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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.53	24.62	24.46	
100	PI/2 BPSK	1	137	24.23	24.42	24.45	25.4
100	PI/2 BPSK	1	271	24.73	24.93	24.78	
100	PI/2 BPSK	135	0	24.35	24.50	24.39	25.4
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	25.4
100	PI/2 BPSK	270	0	24.37	24.39	24.30	
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	25.4
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	23.9
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2633.98	
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	2684.98	
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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.97	21.09	21.14	
100	PI/2 BPSK	1	137	21.43	21.38	21.38	22.4
100	PI/2 BPSK	1	271	20.99	21.15	21.19	
100	PI/2 BPSK	135	0	21.10	21.12	21.10	22.4
100	PI/2 BPSK	135	69	21.20	21.25	21.25	22.4
100	PI/2 BPSK	135	138	21.20	21.23	21.13	22.4
100	PI/2 BPSK	270	0	21.15	21.20	21.11	
100	QPSK	1	1	21.06	21.12	21.08	
100	QPSK	1	137	21.36	21.40	21.35	22.4
100	QPSK	1	271	21.03	21.18	21.20	
100	QPSK	135	0	21.12	21.15	21.05	21.4
100	QPSK	135	69	21.13	21.27	21.28	22.4
100	QPSK	135	138	21.17	21.32	21.07	
100	QPSK	270	0	21.17	21.18	21.08	21.4
100	16QAM	1	1	21.03	20.99	21.10	22.4
100	64QAM	1	1	20.91	20.80	20.93	22.4
100	256QAM	1	1	19.65	19.90	19.94	22.0
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.68	23.77	23.65	
100	PI/2 BPSK	1	137	23.38	23.53	23.56	24.2
100	PI/2 BPSK	1	271	23.85	24.07	23.93	
100	PI/2 BPSK	135	0	23.54	23.64	23.55	24.2
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	24.2
100	PI/2 BPSK	270	0	23.55	23.49	23.50	
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	24.2
100	QPSK	135	138	23.39	23.42	23.28	
100	QPSK	270	0	23.43	23.53	23.44	24.2
100	16QAM	1	1	23.73	23.89	23.82	24.2
100	64QAM	1	1	21.21	21.56	21.65	23.9
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	
60	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	2664.99	
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				509202	518598	528000	
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	20.2
100	QPSK	135	69	20.08	20.28	20.26	
100	QPSK	135	138	20.17	20.26	20.09	20.2
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	
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	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.08	20.11	20.00	21.2
Channel				506200	518598	531996	
Frequency (MHz)				2536	2592.99	2639.98	
60	PI/2 BPSK	1	1	19.95	20.00	20.00	21.2
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2634.99	
50	PI/2 BPSK	1	1	20.17	19.98	20.15	21.2
Channel				503202	518598	534000	
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	
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	
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	
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	
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.07	20.08	20.01	21.2
Channel				500202	518598	537000	





n41 PC2_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.00	24.05	24.01	
100	PI/2 BPSK	1	137	24.51	24.46	24.50	24.8
100	PI/2 BPSK	1	271	24.42	24.37	24.40	
100	PI/2 BPSK	135	0	23.56	23.65	23.59	24.8
100	PI/2 BPSK	135	69	24.54	24.55	24.48	24.8
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	24.8
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	24.8
100	QPSK	135	138	24.33	24.31	24.35	
100	QPSK	270	0	24.42	24.39	24.35	24.8
100	16QAM	1	1	24.28	24.26	24.25	24.8
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	tune-up limit (dBm)
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	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.93	23.99	23.96	24.8
Channel				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
60	PI/2 BPSK	1	1	23.98	24.02	23.92	24.8
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.95	23.95	24.01	24.8
Channel				503202	518598	534000	tune-up limit (dBm)
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	tune-up limit (dBm)
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	tune-up limit (dBm)
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	tune-up limit (dBm)
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	tune-up limit (dBm)
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	21.8
100	PV2 BPSK	135	0	21.37	21.40	21.46	
100	PV2 BPSK	135	69	21.43	21.43	21.52	21.8
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	21.8
100	QPSK	1	271	21.55	21.50	21.58	
100	QPSK	135	0	21.34	21.40	21.42	21.8
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	21.8
100	64QAM	1	1	21.13	21.18	21.22	
100	256QAM	1	1	21.11	21.16	21.20	21.8
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	PV2 BPSK	1	1	22.00	22.03	22.05	21.8
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PV2 BPSK	1	1	22.12	22.12	22.18	21.8
Channel				506200	518598	531996	
Frequency (MHz)				2526	2592.99	2639.98	
80	PV2 BPSK	1	1	22.09	22.20	22.10	21.8
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2684.99	
50	PV2 BPSK	1	1	22.13	22.20	22.17	21.8
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PV2 BPSK	1	1	21.97	22.05	22.01	21.8
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	PV2 BPSK	1	1	21.96	22.03	22.14	21.8
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PV2 BPSK	1	1	22.01	22.04	22.07	21.8
Channel				500700	518598	536496	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PV2 BPSK	1	1	22.11	22.12	22.13	21.8
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	PV2 BPSK	1	1	22.00	22.01	22.10	21.8
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	



n41 PC2_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.00	24.05	24.01	
100	PI/2 BPSK	1	137	24.51	24.46	24.50	26.0
100	PI/2 BPSK	1	271	24.42	24.37	24.40	
100	PI/2 BPSK	135	0	23.56	23.65	23.59	26.0
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	24.38	
100	QPSK	135	0	23.50	23.57	23.57	25.0
100	QPSK	135	69	24.52	24.57	24.54	26.0
100	QPSK	135	138	24.33	24.31	24.35	
100	QPSK	270	0	24.42	24.39	24.35	25.9
100	16QAM	1	1	24.28	24.26	24.25	25.9
100	64QAM	1	1	22.51	22.55	22.57	24.4
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.15	21.23	21.24	
100	PI/2 BPSK	1	137	21.46	21.50	21.66	23.0
100	PI/2 BPSK	1	271	21.41	21.49	21.53	
100	PI/2 BPSK	135	0	21.37	21.40	21.46	23.0
100	PI/2 BPSK	135	69	21.43	21.43	21.52	23.0
100	PI/2 BPSK	135	138	21.42	21.33	21.50	23.0
100	PI/2 BPSK	270	0	21.38	21.30	21.48	
100	QPSK	1	1	21.19	21.23	21.26	
100	QPSK	1	137	21.61	21.62	21.62	23.0
100	QPSK	1	271	21.55	21.50	21.58	
100	QPSK	135	0	21.34	21.40	21.42	23.0
100	QPSK	135	69	21.47	21.51	21.56	23.0
100	QPSK	135	138	21.56	21.53	21.56	
100	QPSK	270	0	21.40	21.48	21.49	23.0
100	16QAM	1	1	21.29	21.22	21.31	23.0
100	64QAM	1	1	21.13	21.18	21.22	23.0
100	256QAM	1	1	21.11	21.16	21.20	22.5
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				506200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2639.98	
60	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	
		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	23.48	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	
		36	5180	17.55	18.50	18.10	18.50	20.84	21.50	
	802.11n-HT20 MCS0	40	5200	17.65	18.00	17.50	18.00	20.59	21.00	93.10
		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	
		38	5190	19.75	21.00	19.70	21.00	22.74	24.00	
		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	
44		5220	17.35	18.50	18.10	18.50	20.75	21.50		
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		
802.11ac-VHT40 MCS0	46	5230	18.65	20.50	19.10	20.50	21.89	23.50	93.90	
	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		
	44	5220	17.35	18.50	18.10	18.50	20.75	21.50		
	48	5240	17.85	19.00	18.60	19.00	21.25	22.00		
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		
	48	5240	17.95	19.00	18.70	19.00	21.35	22.00		
802.11ax-HE40 MCS0	38	5190	19.95	20.00	19.90	20.00	22.94	23.00	92.60	
	46	5230	18.75	19.50	19.20	19.50	21.99	22.50		
	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-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	
		52	5260	17.75	18.50	17.80	18.50	20.79	21.50	
	802.11n-HT20 MCS0	56	5280	17.75	18.50	17.40	18.50	20.59	21.50	93.10
		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	
		54	5270	19.75	21.00	19.40	21.00	22.59	24.00	
		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		
54		5270	19.85	21.00	19.50	21.00	22.69	24.00		
802.11ac-VHT40 MCS0	62	5310	16.05	16.50	16.10	16.50	19.09	19.50	93.90	
	58	5290	15.75	16.50	15.90	16.50	18.84	19.50		
	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		
	58	5290	15.85	16.50	16.15	16.50	19.01	19.50		
802.11ax-HE80 MCS0	50	5250	14.75	15.00	14.90	15.00	17.84	18.00	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			
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	5560	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	5560	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	5560	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	88.20		
	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		
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	21.89	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	
802.11ac-VHT80 MCS0	155	5775	19.85	21.00	19.90	21.00	22.89	24.00	88.10	
	149	5745	19.05	19.50	19.50	19.50	22.29	22.50		
802.11ax+HE20 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+HE40 MCS0	159	5795	19.55	20.00	19.70	20.00	22.64	23.00	92.60	
	155	5775	19.55	20.00	20.00	20.00	22.99	23.00		
802.11ax+HE80 MCS0	155	5775	19.55	20.00	20.00	20.00	22.99	23.00	88.20	



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	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		17.50		17.50		20.50	92.80
		6	2437		17.50		17.50		20.50	
		11	2462		17.50		17.50		20.50	
		12	2467		17.50		17.50		20.50	
		13	2472		17.50		17.50		20.50	
	802.11n-HT20 MCS0	1	2412		17.50		17.50		20.50	92.70
		6	2437		17.50		17.50		20.50	
11		2462		17.50		17.50		20.50		
12		2467		17.50		17.50		20.50		
13		2472		17.50		17.50		20.50		
802.11ac-VHT20 MCS0	1	2412	Not required	17.50	Not required	17.50	Not required	20.50	87.00	
	6	2437		17.50		17.50		20.50		
	11	2462		17.50		17.50		20.50		
	12	2467		17.50		17.50		20.50		
	13	2472		17.50		17.50		20.50		
802.11ax-HE20 MCS0	1	2412		17.50		17.50		20.50	94.70	
	6	2437		17.50		17.50		20.50		
	11	2462		17.50		17.50		20.50		
	12	2467		17.50		17.50		20.50		
	13	2472		17.50		17.50		20.50		

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	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	
	802.11ac-VHT20 MCS0	40	5200	17.75	18.00	17.60	18.00	20.69	21.00	97.00
44		5220	17.35	18.50	18.10	18.50	20.75	21.50		
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		
802.11ac-VHT40 MCS0	46	5230	18.65	20.50	19.10	20.50	21.89	23.50	93.90	
802.11ac-VHT80 MCS0	42	5210	15.15	16.00	15.60	16.00	18.39	19.00	88.10	
802.11ax-HE20 MCS0	36	5180	17.75	18.50	18.30	18.50	21.04	21.50	96.10	
	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		
	48	5240	17.95	19.00	18.70	19.00	21.35	22.00		
802.11ax-HE40 MCS0	38	5190	19.95	20.00	19.90	20.00	22.94	23.00	92.60	
	46	5230	18.75	19.50	19.20	19.50	21.99	22.50		
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	
	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	
802.11ac-VHT80 MCS0	62	5310	16.05	16.50	16.10	16.50	19.09	19.50	88.10	
802.11ax-HE20 MCS0	58	5290	15.75	16.50	15.90	16.50	18.84	19.50	87.00	
	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-HE40 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-HE80 MCS0	58	5290	15.85	16.50	16.15	16.50	19.01	19.50	86.20	
802.11ax-HE160 MCS0	50	5250	14.75	15.00	14.90	15.00	17.84	18.00	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			
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	5590	15.95	17.50	16.50	17.50	19.24		20.55	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	
	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			
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			
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			
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			
802.11ac-VHT160 MCS0	138	5690	19.55	21.00	19.50	21.00	22.54	24.00	87.00		
802.11ax-HE20 MCS0	114	5570	14.85	16.00	15.60	16.00	18.25	19.00	96.10		
	100	5500	16.15	17.00	16.70	17.00	19.44	20.00			
	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			
802.11ax-HE40 MCS0	132	5660	17.65	18.50	17.80	18.50	20.74	21.50	92.60		
	144	5720	17.45	18.50	18.30	18.50	20.91	21.50			
	102	5510	16.75	17.00	16.70	17.00	19.74	20.00			
	110	5550	19.95	20.00	19.80	20.00	22.89	23.00			
802.11ax-HE80 MCS0	126	5630	19.95	20.00	19.80	20.00	22.89	23.00	86.20		
	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			
	106	5530	15.85	16.00	16.00	16.00	18.94	19.00			
802.11ax-HE160 MCS0	122	5610	19.65	20.00	19.50	20.00	22.59	23.00	85.10		
	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		
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		
802.11n-HT40 MCS0	165	5825	18.55	19.00	18.80	19.00	21.69	22.00	96.80	
	151	5755	19.25	21.00	19.40	21.00	22.34	24.00		
802.11ac-VHT20 MCS0	159	5795	19.35	21.00	19.50	21.00	22.44	24.00	97.00	
	149	5745	18.70	19.50	19.40	19.50	22.07	22.50		
802.11ac-VHT40 MCS0	157	5785	18.70	19.50	19.50	19.50	22.13	22.50	93.90	
	165	5825	18.40	19.00	18.90	19.00	21.67	22.00		
802.11ac-VHT80 MCS0	151	5755	19.35	21.00	19.50	21.00	22.44	24.00	88.10	
	159	5795	19.45	21.00	19.60	21.00	22.54	24.00		
802.11ax-HE20 MCS0	149	5745	19.05	19.50	19.50	19.50	22.29	22.50	96.10	
	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	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	
		13	2472	16.95	17.00	16.89	17.00	19.94	20.00	
	802.11g 6Mbps	1	2412		17.00		17.00		20.00	92.80
		6	2437		17.00		17.00		20.00	
		11	2462		17.00		17.00		20.00	
		12	2467		17.00		17.00		20.00	
		13	2472		17.00		17.00		20.00	
	802.11n-HT20 MCS0	1	2412		17.00		17.00		20.00	92.70
		6	2437		17.00		17.00		20.00	
11		2462		17.00		17.00		20.00		
12		2467		17.00		17.00		20.00		
13		2472		17.00		17.00		20.00		
802.11ac-VHT20 MCS0	1	2412	Not required	17.00	Not required	17.00	Not required	20.00	87.00	
	6	2437		17.00		17.00		20.00		
	11	2462		17.00		17.00		20.00		
	12	2467		17.00		17.00		20.00		
	13	2472		17.00		17.00		20.00		
802.11ax-HE20 MCS0	1	2412		17.00		17.00		20.00	94.70	
	6	2437		17.00		17.00		20.00		
	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		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	
	802.11ac-VHT20 MCS0	40	5200	17.75	18.00	17.60	18.00	20.69	21.00	97.00
44		5220	17.35	18.50	18.10	18.50	20.75	21.50		
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		
802.11ac-VHT40 MCS0	46	5230	18.65	20.50	19.10	20.50	21.89	23.50	93.90	
802.11ac-VHT80 MCS0	42	5210	15.15	16.00	15.60	16.00	18.39	19.00	88.10	
802.11ax-HE20 MCS0	36	5180	17.75	18.50	18.30	18.50	21.04	21.50	96.10	
	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		
	48	5240	17.95	19.00	18.70	19.00	21.35	22.00		
802.11ax-HE40 MCS0	38	5190	19.95	20.00	19.90	20.00	22.94	23.00	92.60	
	46	5230	18.75	19.50	19.20	19.50	21.99	22.50		
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	
	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	
802.11ac-VHT80 MCS0	58	5290	15.75	16.50	15.90	16.50	18.84	19.50	88.10	
802.11ac-VHT160 MCS0	50	5250	14.65	15.00	14.80	15.00	17.74	18.00	87.00	
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	
802.11ax-HE160 MCS0	50	5250	14.75	15.00	14.90	15.00	17.84	18.00	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		
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	5590	15.95	17.50	16.50	17.50	19.24	20.55	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	20.00	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		
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		
802.11ac-VHT80 MCS0	159	5795	19.45	21.00	19.60	21.00	22.54	24.00	88.10	
	149	5745	19.05	19.50	19.50	19.50	22.29	22.50		
802.11ax-HE20 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		
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		
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	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	
		13	2472	14.45	15.00	14.35	15.00	17.41	18.00	
	802.11g 6Mbps	1	2412		15.00		15.00		18.00	92.80
		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	
	802.11n-HT20 MCS0	1	2412		15.00		15.00		18.00	92.70
		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		
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		15.00		15.00		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		

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		17.50		17.50		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	
		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	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	
		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	
36		5180		17.50		17.50		20.50		
40		5200		17.50		17.50		20.50		
44		5220		17.50		17.50		20.50		
802.11ac-VHT20 MCS0	36	5180		17.50		17.50		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		
	48	5240		17.50		17.50		20.50		
802.11ac-VHT40 MCS0	38	5190		17.50		17.50		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		17.50		17.50		20.50	96.10	
	44	5220		17.50		17.50		20.50		
	48	5240		17.50		17.50		20.50		
	48	5240		17.50		17.50		20.50		
	48	5240		17.50		17.50		20.50		
802.11ax-HE40 MCS0	38	5190		17.50		17.50		20.50	92.60	
	46	5230		17.50		17.50		20.50		
802.11ax-HE80 MCS0	42	5210		16.00		16.00		19.00	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		17.50		17.50		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	
		64	5320	Not required	17.50	Not required	17.50	Not required	20.50	
	802.11n-HT20 MCS0	52	5260		17.50		17.50		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	
		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		17.50		17.50		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		
	64	5320		17.50		17.50		20.50		
802.11ac-VHT40 MCS0	54	5270		17.50		17.50		20.50	93.90	
	62	5310		16.50		16.50		19.50		
802.11ac-VHT80 MCS0	58	5290		16.50		16.50		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		
	64	5320		17.50		17.50		20.50		
802.11ax-HE40 MCS0	54	5270		17.50		17.50		20.50	92.60	
	62	5310		16.50		16.50		19.50		
802.11ax-HE80 MCS0	58	5290		16.50		16.50		19.50	86.20	
802.11ax-HE160 MCS0	50	5250		15.00		15.00		18.00	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	Not required	16.50	Not required	16.50	19.50	93.50	
		116	5580		18.50		18.50	21.50		
		124	5620		18.50		18.50	21.50		
		132	5660		18.50		18.50	21.50		
		144	5720		18.50		18.50	21.50		
	802.11n-HT20 MCS0	100	5500		17.50		17.50	20.50	93.10	
		116	5580		18.50		18.50	21.50		
		124	5620		18.50		18.50	21.50		
		132	5660		18.50		18.50	21.50		
		144	5720		18.50		18.50	21.50		
	802.11n-HT40 MCS0	102	5510		17.00		17.00	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	18.50	18.50	21.50					
	124	5620	18.50	18.50	21.50					
	132	5660	18.50	18.50	21.50					
	144	5720	18.50	18.50	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	18.84	19.00	88.10		
	122	5610	17.95	19.50	17.90	19.50	20.94			
	138	5690	17.85	19.50	17.90	19.50	20.89			
802.11ac-VHT160 MCS0	114	5570	16.00	16.00	19.00	19.00	19.00	87.00		
	100	5500	17.00	17.00	20.00					
	116	5580	18.50	18.50	21.50					
	124	5620	18.50	18.50	21.50					
	132	5660	18.50	18.50	21.50					
802.11ax-HE20 MCS0	124	5620	18.50	18.50	21.50	96.10				
	132	5660	18.50	18.50	21.50					
	144	5720	18.50	18.50	21.50					
	102	5510	17.00	17.00	20.00					
	110	5550	19.50	19.50	22.50					
802.11ax-HE40 MCS0	126	5630	19.50	19.50	22.50	92.60				
	134	5670	19.50	19.50	22.50					
	142	5710	19.50	19.50	22.50					
	106	5530	16.00	16.00	19.00					
	122	5610	19.50	19.50	22.50					
802.11ax-HE80 MCS0	106	5530	16.00	16.00	19.00	19.00	19.00	88.20		
	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	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	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		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		19.50		19.50	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	151	5755		19.50		19.50	22.50	93.90	
		159	5795		19.50		19.50	22.50		
		155	5775		18.95		19.50	19.00		21.99
802.11ac-VHT80 MCS0	149	5745	19.50	19.50	22.50	88.10				
	157	5785	19.50	19.50	22.50					
	165	5825	19.50	19.50	22.50					
802.11ax-HE20 MCS0	151	5755	19.50	19.50	22.50	96.10				
	159	5795	19.50	19.50	22.50					
	155	5775	19.50	19.50	22.50					
802.11ax-HE40 MCS0	151	5755	19.50	19.50	22.50	92.60				
	159	5795	19.50	19.50	22.50					
	155	5775	19.50	19.50	22.50					
802.11ax-HE80 MCS0	155	5775	19.50	19.50	19.50	22.50	22.50	88.20		



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	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	
		13	2472	8.95	10.50	9.15	10.50	12.06	13.50	
	802.11g 6Mbps	1	2412	Not required	10.50	Not required	10.50	Not required	13.50	92.80
		6	2437	Not required	10.50	Not required	10.50	Not required	13.50	
		11	2462	Not required	10.50	Not required	10.50	Not required	13.50	
		12	2467	Not required	10.50	Not required	10.50	Not required	13.50	
		13	2472	Not required	10.50	Not required	10.50	Not required	13.50	
	802.11n-HT20 MCS0	1	2412	Not required	10.50	Not required	10.50	Not required	13.50	92.70
		6	2437	Not required	10.50	Not required	10.50	Not required	13.50	
11		2462	Not required	10.50	Not required	10.50	Not required	13.50		
12		2467	Not required	10.50	Not required	10.50	Not required	13.50		
13		2472	Not required	10.50	Not required	10.50	Not required	13.50		
802.11ac-VHT20 MCS0	1	2412	Not required	10.50	Not required	10.50	Not required	13.50	87.00	
	6	2437	Not required	10.50	Not required	10.50	Not required	13.50		
	11	2462	Not required	10.50	Not required	10.50	Not required	13.50		
	12	2467	Not required	10.50	Not required	10.50	Not required	13.50		
	13	2472	Not required	10.50	Not required	10.50	Not required	13.50		
802.11ax-HE20 MCS0	1	2412	Not required	10.50	Not required	10.50	Not required	13.50	94.70	
	6	2437	Not required	10.50	Not required	10.50	Not required	13.50		
	11	2462	Not required	10.50	Not required	10.50	Not required	13.50		
	12	2467	Not required	10.50	Not required	10.50	Not required	13.50		
	13	2472	Not required	10.50	Not required	10.50	Not required	13.50		

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	17.50	Not required	17.50	20.50	93.50	
		40	5200	Not required	17.50	Not required	17.50	20.50		
		44	5220	Not required	17.50	Not required	17.50	20.50		
		48	5240	Not required	17.50	Not required	17.50	20.50		
		52	5260	Not required	17.50	Not required	17.50	20.50		
	802.11n-HT20 MCS0	36	5180	Not required	17.50	Not required	17.50	20.50	93.10	
		40	5200	Not required	17.50	Not required	17.50	20.50		
		44	5220	Not required	17.50	Not required	17.50	20.50		
		48	5240	Not required	17.50	Not required	17.50	20.50		
		52	5260	Not required	17.50	Not required	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	
		54	5270	17.15	17.50	17.40	17.50	20.29	20.50	
	802.11ac-VHT20 MCS0	36	5180	Not required	17.50	Not required	17.50	Not required	20.50	97.00
		40	5200	Not required	17.50	Not required	17.50	Not required	20.50	
		44	5220	Not required	17.50	Not required	17.50	Not required	20.50	
		48	5240	Not required	17.50	Not required	17.50	Not required	20.50	
		52	5260	Not required	17.50	Not required	17.50	Not required	20.50	
802.11ac-VHT40 MCS0	38	5190	Not required	17.50	Not required	17.50	Not required	20.50	93.90	
	46	5230	Not required	17.50	Not required	17.50	Not required	20.50		
802.11ac-VHT80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	88.10	
	36	5180	Not required	17.50	Not required	17.50	Not required	20.50		
802.11ax-HE20 MCS0	40	5200	Not required	17.50	Not required	17.50	Not required	20.50	96.10	
	44	5220	Not required	17.50	Not required	17.50	Not required	20.50		
	48	5240	Not required	17.50	Not required	17.50	Not required	20.50		
	52	5260	Not required	17.50	Not required	17.50	Not required	20.50		
	56	5280	Not required	17.50	Not required	17.50	Not required	20.50		
802.11ax-HE40 MCS0	38	5190	Not required	17.50	Not required	17.50	Not required	20.50	92.60	
	46	5230	Not required	17.50	Not required	17.50	Not required	20.50		
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		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	17.50	Not required	17.50	20.50	93.50	
		56	5280	Not required	17.50	Not required	17.50	20.50		
		60	5300	Not required	17.50	Not required	17.50	20.50		
		64	5320	Not required	17.50	Not required	17.50	20.50		
		68	5340	Not required	17.50	Not required	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	Not required	17.50	Not required	17.50	Not required	20.50	
		60	5300	Not required	17.50	Not required	17.50	Not required	20.50	
		64	5320	Not required	17.50	Not required	17.50	Not required	20.50	
		68	5340	Not required	17.50	Not required	17.50	Not required	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	
		70	5350	16.05	16.00	16.00	16.00	19.09	19.00	
	802.11ac-VHT20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	97.00
		56	5280	Not required	17.50	Not required	17.50	Not required	20.50	
		60	5300	Not required	17.50	Not required	17.50	Not required	20.50	
		64	5320	Not required	17.50	Not required	17.50	Not required	20.50	
		68	5340	Not required	17.50	Not required	17.50	Not required	20.50	
802.11ac-VHT40 MCS0	54	5270	Not required	17.50	Not required	17.50	Not required	20.50	93.90	
	62	5310	Not required	16.50	Not required	16.50	Not required	19.50		
802.11ac-VHT80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	88.10	
	50	5250	Not required	15.00	Not required	15.00	Not required	18.00		
802.11ax-HE20 MCS0	52	5260	Not required	17.50	Not required	17.50	Not required	20.50	96.10	
	56	5280	Not required	17.50	Not required	17.50	Not required	20.50		
	60	5300	Not required	17.50	Not required	17.50	Not required	20.50		
	64	5320	Not required	17.50	Not required	17.50	Not required	20.50		
	68	5340	Not required	17.50	Not required	17.50	Not required	20.50		
802.11ax-HE40 MCS0	54	5270	Not required	17.50	Not required	17.50	Not required	20.50	92.60	
	62	5310	Not required	16.50	Not required	16.50	Not required	19.50		
802.11ax-HE80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	86.20	
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		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11a 6Mbps	100	5500	Not required	16.50	Not required	16.50	Not required	19.50			
	116	5580		18.50		18.50					
	124	5620		18.50		18.50					
	132	5660		18.50		18.50					
	144	5720		18.50		18.50					
	802.11n-HT20 MCS0	100		5500		Not required		17.50	Not required	17.50	20.50
		116		5580				18.50		18.50	
		124		5620				18.50		18.50	
		132		5660				18.50		18.50	
		144		5720				18.50		18.50	
		802.11n-HT40 MCS0		102				5510		Not required	17.00
	110			5550		18.50		18.50			
126	5630		18.50	18.50							
134	5670		18.50	18.50							
802.11ac-VHT20 MCS0	100	5500	Not required	17.00	Not required	17.00	20.00				
	116	5580		18.50		18.50					
	124	5620		18.50		18.50					
	132	5660		18.50		18.50					
	144	5720		18.50		18.50					
	802.11ac-VHT40 MCS0	102		5510		Not required	17.00	Not required	17.00	20.00	
110		5550	18.50	18.50							
126		5630	18.50	18.50							
134		5670	18.50	18.50							
142		5710	18.50	18.50							
802.11ac-VHT80 MCS0		106	5530	15.75	16.00		15.90		16.00	18.84	19.00
	122	5610	17.95	18.50	17.90	18.50	20.94	21.50			
	138	5690	17.85	18.50	17.90	18.50	20.89	21.50			
802.11ac-VHT160 MCS0	114	5570	Not required	16.00	Not required	16.00	19.00				
100	5500	17.00		17.00							
116	5580	18.50		18.50							
124	5620	18.50		18.50							
132	5660	18.50		18.50							
144	5720	18.50		18.50							
102	5510	17.00		17.00							
802.11ax-HE20 MCS0	110	5550		Not required		18.50	Not required	18.50	21.50		
	126	5630				18.50		18.50			
	134	5670				18.50		18.50			
	142	5710				18.50		18.50			
802.11ax-HE40 MCS0	106	5530		Not required		16.00	Not required	16.00	19.00		
	122	5610	18.50		18.50						
	138	5690	18.50		18.50						
	114	5570	16.00		16.00						

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		
802.11a 6Mbps	149	5745	Not required	19.50	Not required	19.50	Not required	21.50		
	157	5785		19.50		19.50				
	165	5825		19.50		19.50				
802.11n-HT20 MCS0	149	5745		Not required		19.50		Not required	19.50	22.50
	157	5785				19.50			19.50	
	165	5825				19.00			19.00	
802.11n-HT40 MCS0	151	5755		Not required		19.50		Not required	19.50	22.50
	159	5795				19.50			19.50	
802.11ac-VHT20 MCS0	149	5745		Not required		19.50		Not required	19.50	22.50
	157	5785				19.50			19.50	
	165	5825				19.00			19.00	
802.11ac-VHT40 MCS0	151	5755		Not required		19.50		Not required	19.50	22.50
	159	5795	19.50		19.50					
802.11ac-VHT80 MCS0	155	5775	18.95	19.50	19.00	19.50	21.99	22.50		
802.11ax-HE20 MCS0	149	5745	Not required	19.50	Not required	19.50	22.50			
	157	5785		19.50		19.50				
	165	5825		19.50		19.50				
802.11ax-HE40 MCS0	151	5755	Not required	19.50	Not required	19.50	22.50			
	159	5795		19.50		19.50				
802.11ax-HE80 MCS0	155	5775	19.50	19.50	19.50	19.50	22.50			



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		
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	20.65	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	23.38	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		
802.11a 6Mbps	36	5190	Not required	18.00	Not required	18.00	Not required	21.00	93.50	
	40	5200		18.00		21.00				
	44	5220		18.50		21.50				
	48	5240		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		21.00				
	44	5220		18.00		21.00				
	48	5240		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	Not required	18.50	Not required	18.50	Not required	21.50	97.00	
	40	5200		18.00		21.00				
	44	5220		18.50		21.50				
	48	5240		19.00		22.00				
802.11ac-VHT40 MCS0	38	5190	Not required	20.00	Not required	20.00	Not required	23.00	93.90	
	46	5230		20.00		23.00				
802.11ac-VHT80 MCS0	42	5210	Not required	16.00	Not required	16.00	Not required	19.00	88.10	
	46	5230		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		21.50				
	48	5240		19.00		22.00				
	38	5190		20.00		23.00				
802.11ax-HE40 MCS0	38	5190	Not required	20.00	Not required	20.00	Not required	23.00	92.60	
	46	5230		19.50		22.50				
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		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	52	5260	Not required	18.50	Not required	18.50	Not required	21.50	93.50	
	56	5280		18.50		21.50				
	60	5300		18.50		21.50				
	64	5320		18.50		21.50				
802.11n-HT20 MCS0	52	5260	Not required	18.50	Not required	18.50	Not required	21.50	93.10	
	56	5280		18.50		21.50				
	60	5300		18.50		21.50				
	64	5320		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	Not required	18.50	Not required	18.50	Not required	21.50	97.00	
	56	5280		18.50		21.50				
	60	5300		18.50		21.50				
	64	5320		18.50		21.50				
802.11ac-VHT40 MCS0	54	5270	Not required	20.00	Not required	20.00	Not required	23.00	93.90	
	62	5310		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		18.00				
802.11ax-HE20 MCS0	52	5260	Not required	18.50	Not required	18.50	Not required	21.50	96.10	
	56	5280		18.50		21.50				
	60	5300		18.50		21.50				
	64	5320		18.50		21.50				
802.11ax-HE40 MCS0	54	5270	Not required	20.00	Not required	20.00	Not required	23.00	92.60	
	62	5310		16.50		19.50				
802.11ax-HE80 MCS0	58	5290	Not required	16.50	Not required	16.50	Not required	19.50	86.20	
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		Duty Cycle %			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
802.11a 6Mbps	100	5500	Not required	16.50	Not required	16.50	Not required	19.50	93.50				
	116	5580		18.00		18.00							
	124	5620		18.00		18.00							
	132	5660		18.00		18.00							
	144	5720		18.00		18.00							
	802.11n-HT20 MCS0	100		5500		Not required		17.50		Not required	17.50	20.50	93.10
		116		5580				18.00			18.00		
		124		5620				18.00			18.00		
		132		5660				18.00			18.00		
		144		5720				18.00			18.00		
		102		5510				17.00			20.00		
	802.11n-HT40 MCS0	110		5550		16.85		18.00		16.7	18.00	19.79	96.80
126		5630	16.65	18.00	16.7	18.00	19.69						
134		5670	16.55	18.00	16.7	18.00	19.64						
142		5710	16.55	18.00	16.7	18.00	19.64						
802.11ac-VHT20 MCS0	100	5500	Not required	17.00	Not required	17.00	20.00	97.00					
	116	5580		18.00		18.00							
	124	5620		18.00		18.00							
	132	5660		18.00		18.00							
	144	5720		18.00		18.00							
	102	5510		17.00		20.00							
802.11ac-VHT40 MCS0	110	5550	Not required	18.00	Not required	18.00	21.00	93.90					
	126	5630		18.00		18.00							
	134	5670		18.00		18.00							
	142	5710		18.00		18.00							
802.11ac-VHT80 MCS0	106	5530	15.75	16.00	15.90	16.00	18.84	88.10					
	122	5610	17.15	18.00	17.00	18.00	20.04						
	138	5690	16.85	18.00	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	17.00	Not required	17.00	20.00	96.10					
	116	5580		18.00		18.00							
	124	5620		18.00		18.00							
	132	5660		18.00		18.00							
	144	5720		18.00		18.00							
	102	5510		17.00		20.00							
802.11ax-HE40 MCS0	110	5550	Not required	18.00	Not required	18.00	21.00	92.60					
	126	5630		18.00		18.00							
	134	5670		18.00		18.00							
	142	5710		18.00		18.00							
802.11ax-HE80 MCS0	106	5530	Not required	16.00	Not required	16.00	19.00	86.20					
	122	5610		18.00		18.00							
	138	5690		18.00		18.00							
802.11ax-HE160 MCS0	114	5570	Not required	16.00	Not required	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		
802.11a 6Mbps	149	5745	Not required	18.50	Not required	18.50	Not required	21.50	93.50	
	157	5785		19.00		19.00				
	165	5825		19.00		19.00				
	149	5745		19.00		19.00				
802.11n-HT20 MCS0	157	5785	Not required	19.00	Not required	19.00	22.00	93.10		
	165	5825		19.00		19.00				
	151	5755		17.45		19.00	17.40		19.00	20.29
802.11n-HT40 MCS0	159	5795	17.45	19.00	17.50	19.00	20.34	22.00	96.80	
802.11ac-VHT20 MCS0	149	5745	Not required	19.00	Not required	19.00	22.00	97.00		
	157	5785		19.00		19.00				
	165	5825		19.00		19.00				
802.11ac-VHT40 MCS0	151	5755	Not required	19.00	Not required	19.00	22.00	93.90		
	159	5795		19.00		19.00				
	155	5775		17.85		19.00	17.90		19.00	20.84
802.11ac-VHT80 MCS0	149	5745	Not required	19.00	Not required	19.00	22.00	88.10		
	157	5785		19.00		19.00				
	165	5825		19.00		19.00				
802.11ax-HE20 MCS0	151	5755	Not required	19.00	Not required	19.00	22.00	96.10		
	159	5795		19.00		19.00				
	155	5775		17.85		19.00	17.90		19.00	20.84
802.11ax-HE40 MCS0	151	5755	Not required	19.00	Not required	19.00	22.00	92.60		
	159	5795		19.00		19.00				
802.11ax-HE80 MCS0	155	5775	Not required	19.00	Not required	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		19.50		19.50		22.50	92.80
		6	2437		19.50		19.50		22.50	
		11	2462		19.50		19.50		22.50	
		12	2467		19.50		19.50		22.50	
		13	2472		19.50		19.50		22.50	
	802.11n-HT20 MCS0	1	2412		19.50		19.50		22.50	92.70
		6	2437		19.50		19.50		22.50	
11		2462		19.50		19.50		22.50		
12		2467		19.50		19.50		22.50		
13		2472		19.50		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		19.50		22.50		
	11	2462		19.50		19.50		22.50		
	12	2467		19.50		19.50		22.50		
	13	2472		19.50		19.50		22.50		
802.11ax-HE20 MCS0	1	2412		19.50		19.50		22.50	94.70	
	6	2437		19.50		19.50		22.50		
	11	2462		19.50		19.50		22.50		
	12	2467		19.50		19.50		22.50		
	13	2472		19.50		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		18.00		18.00		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	
		48	5240	Not required	18.50	Not required	18.50	Not required	21.50	
	802.11n-HT20 MCS0	36	5180		18.50		18.50		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	
		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	
		46	5230		18.50		18.50		21.50	
	802.11ac-VHT20 MCS0	36	5180		18.50		18.50		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	
		48	5240		19.00		19.00		22.00	
	802.11ac-VHT40 MCS0	38	5190		19.00		19.00		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		18.50		18.50		21.50	96.10
		44	5220		18.50		18.50		21.50	
48		5240		19.00		19.00		22.00		
48		5240		19.00		19.00		22.00		
48		5240		19.00		19.00		22.00		
802.11ax-HE40 MCS0	38	5190		19.00		19.00		22.00	92.60	
	46	5230		19.00		19.00		22.00		
802.11ax-HE80 MCS0	42	5210		16.00		16.00		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		18.50		18.50		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	
		64	5320	Not required	18.50	Not required	18.50	Not required	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	
		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	
		62	5310		16.00		16.00		19.00	
	802.11ac-VHT20 MCS0	52	5260		18.50		18.50		21.50	97.00
		56	5280		18.50		18.50		21.50	
		60	5300		18.50		18.50		21.50	
		64	5320		18.50		18.50		21.50	
		64	5320		18.50		18.50		21.50	
	802.11ac-VHT40 MCS0	54	5270		19.00		19.00		22.00	93.90
		62	5310		16.50		16.50		19.50	
	802.11ac-VHT80 MCS0	58	5290		16.50		16.50		19.50	88.10
		50	5250		15.00		15.00		18.00	
	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		
64		5320		18.50		18.50		21.50		
802.11ax-HE40 MCS0	54	5270		19.00		19.00		22.00	92.60	
	62	5310		16.50		16.50		19.50		
802.11ax-HE80 MCS0	58	5290		16.50		16.50		19.50	86.20	
802.11ax-HE160 MCS0	50	5250		15.00		15.00		18.00	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	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	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	17.00	16.7	17.50	19.79	96.80	
		110	5550		17.50		17.50	20.50		
		126	5630		16.65		17.50	16.7		19.69
		134	5670		16.55		17.50	16.7		19.64
		142	5710		16.55		17.50	16.7		19.64
	802.11ac-VHT20 MCS0	100	5500	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	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	16.00	15.90	16.00	18.84	19.00	88.10	
	122	5610	17.15	17.50	17.00	17.50	20.04	20.50		
	138	5690	16.85	17.50	17.00	17.50	19.94	20.50		
802.11ac-VHT160 MCS0	114	5570	16.00	16.00	Not required	16.00	19.00	87.00		
	100	5500		17.00		17.00	20.00			
802.11ax-HE20 MCS0	116	5580	Not required	17.50	Not required	17.50	20.50	96.10		
	124	5620		17.50		17.50	20.50			
	132	5660		17.50		17.50	20.50			
	144	5720		17.50		17.50	20.50			
	102	5510		17.00		17.00	20.00			
802.11ax-HE40 MCS0	110	5550	Not required	17.50	Not required	17.50	20.50	92.60		
	126	5630		17.50		17.50	20.50			
	134	5670		17.50		17.50	20.50			
	142	5710		17.50		17.50	20.50			
	106	5530		16.00		16.00	19.00			
802.11ax-HE80 MCS0	122	5610	17.50	17.50	17.50	20.50	20.50	86.20		
	138	5690	17.50	17.50	17.50	20.50	20.50			
	114	5570	16.00	16.00	16.00	19.00	19.00			

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	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	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	18.50	17.40	18.50	20.29	21.50	96.80
		159	5795	17.45	18.50	17.50	18.50	20.34	21.50	
	802.11ac-VHT20 MCS0	149	5745	Not required	18.50	Not required	18.50	21.50	97.00	
		157	5785		18.50		18.50	21.50		
	802.11ac-VHT40 MCS0	165	5825	Not required	18.50	Not required	18.50	21.50	93.90	
		151	5755		18.50		18.50	21.50		
	802.11ac-VHT80 MCS0	159	5795	17.85	18.50	17.90	18.50	20.64	21.50	88.10
		149	5745		18.50		18.50	21.50		
	802.11ax-HE20 MCS0	157	5785	Not required	18.50	Not required	18.50	21.50	96.10	
		165	5825		18.50		18.50	21.50		
	802.11ax-HE40 MCS0	151	5755	Not required	18.50	Not required	18.50	21.50	92.60	
		159	5795		18.50		18.50	21.50		
	802.11ax-HE80 MCS0	155	5775	18.50	18.50	18.50	21.50	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	
		13	2472	17.65	18.00	17.65	18.00	20.66	21.00	
	802.11g 6Mbps	1	2412		18.00		18.00		21.00	92.80
		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	
	802.11n-HT20 MCS0	1	2412		18.00		18.00		21.00	92.70
		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		
802.11ac-VHT20 MCS0	1	2412	Not required	18.00	Not required	18.00	Not required	21.00	87.00	
	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		
802.11ax-HE20 MCS0	1	2412		18.00		18.00		21.00	94.70	
	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	
		36	5180		17.50		17.50		20.50	
	802.11n-HT20 MCS0	40	5200		17.50		17.50		20.50	96.80
		44	5220		17.50		17.50		20.50	
		48	5240		17.50		17.50		20.50	
		38	5190	15.50	17.50	15.50	17.50	18.39	20.50	
		46	5230	15.50	17.50	15.50	17.50	18.39	20.50	
	802.11ac-VHT20 MCS0	36	5180		17.50		17.50		20.50	Not required
		40	5200		17.50		17.50		20.50	
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		
802.11ac-VHT40 MCS0	46	5230		17.50		17.50		20.50	88.10	
	42	5210	15.54	16.00	15.50	16.00	18.56	19.00		
802.11ax-HE20 MCS0	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		
	38	5190		17.50		17.50		20.50		
802.11ax-HE40 MCS0	46	5230		17.50		17.50		20.50	19.00	
	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	
		52	5260		16.50		16.50		19.5	
	802.11n-HT20 MCS0	56	5280		16.50		16.50		19.5	92.80
		60	5300		16.50		16.50		19.5	
		64	5320		16.50		16.50		19.5	
		54	5270	Not required	16.50	Not required	16.50	Not required	19.5	
		62	5310		16.00		16.00		19	
	802.11ac-VHT20 MCS0	52	5260		16.50		16.50		19.5	88.10
		56	5280		16.50		16.50		19.5	
60		5300		16.50		16.50		19.5		
64		5320		16.50		16.50		19.5		
54		5270		16.50		16.50		19.5		
802.11ac-VHT40 MCS0	62	5310		16.50		16.50		19.5	18	
	58	5290	14.51	16.50	14.50	16.50	17.34	19.5		
802.11ax-HE20 MCS0	50	5250		15.00		15.00		18	Not required	
	52	5260		16.50		16.50		19.5		
	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		
802.11ax-HE40 MCS0	54	5270		16.50		16.50		19.5	19.5	
	62	5310		16.50		16.50		19.5		
802.11ax-HE80 MCS0	58	5290		16.50		16.50		19.5	18.00	
	50	5250		15.00		15.00		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		
802.11a 6Mbps	100	5500	Not required	15.00	Not required	15.00	Not required	18.00		
	116	5580		15.00		18.00				
	124	5620		15.00		18.00				
	132	5660		15.00		18.00				
	144	5720		15.00		18.00				
	802.11n-HT20 MCS0	100		5500		15.00		18.00		
		116		5580		15.00		18.00		
		124		5620		15.00		18.00		
		132		5660		15.00		18.00		
		144		5720		15.00		18.00		
		802.11n-HT40 MCS0		102		5510		15.00	18.00	
	110			5550		15.00		18.00		
126	5630		15.00	18.00						
134	5670		15.00	18.00						
142	5710		15.00	18.00						
802.11ac-VHT20 MCS0	100		5500	15.00	18.00					
	116	5580	15.00	18.00						
	124	5620	15.00	18.00						
	132	5660	15.00	18.00						
	144	5720	15.00	18.00						
	802.11ac-VHT40 MCS0	102	5510	15.00	18.00					
110		5550	15.00	18.00						
126		5630	15.00	18.00						
134		5670	15.00	18.00						
142		5710	15.00	18.00						
802.11ac-VHT80 MCS0		106	5530	15.00	18.00					
	122	5610	15.00	18.00						
	138	5690	15.00	18.00						
802.11ac-VHT160 MCS0	114	5570	13.41	15.00	13.50	15.00	16.06	18.00	87.00	
802.11ax-HE20 MCS0	100	5500	Not required	15.00	Not required	15.00	Not required	18.00		
	116	5580		15.00		18.00				
	124	5620		15.00		18.00				
	132	5660		15.00		18.00				
	144	5720		15.00		18.00				
	802.11ax-HE40 MCS0	102		5510		15.00		18.00		
110		5550	15.00	18.00						
126		5630	15.00	18.00						
134		5670	15.00	18.00						
142		5710	15.00	18.00						
802.11ax-HE80 MCS0		106	5530	15.00	18.00					
	122	5610	15.00	18.00						
	138	5690	15.00	18.00						
802.11ax-HE160 MCS0	114	5570	15.00	18.00						

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		
802.11a 6Mbps	149	5745	Not required	16.50	Not required	16.50	Not required	19.50		
	157	5785		16.50		19.50				
	165	5825		16.50		19.50				
	149	5745		16.50		19.50				
802.11n-HT20 MCS0	157	5785	16.50	19.50						
	165	5825	16.50	19.50						
	802.11n-HT40 MCS0	151	5755	16.50	19.50					
159		5795	16.50	19.50						
802.11ac-VHT20 MCS0		149	5745	16.50	19.50					
	157	5785	16.50	19.50						
	165	5825	16.50	19.50						
802.11ac-VHT40 MCS0	151	5755	16.50	19.50						
	159	5795	16.50	19.50						
	802.11ac-VHT80 MCS0	155	5775	14.88	16.50	14.90	16.50	17.64	19.50	88.10
149		5745	16.50	19.50						
157		5785	16.50	19.50						
802.11ax-HE20 MCS0	165	5825	Not required	16.50	Not required	16.50	Not required	19.50		
	151	5755		16.50		19.50				
	159	5795		16.50		19.50				
802.11ax-HE40 MCS0	151	5755	16.50	19.50						
	159	5795	16.50	19.50						
802.11ax-HE80 MCS0	155	5775	16.50	19.50						



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	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	
		13	2472	14.85	15.00	14.89	15.00	17.96	18.00	
	802.11g 6Mbps	1	2412		15.00		15.00		18.00	92.80
		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	
	802.11n-HT20 MCS0	1	2412		15.00		15.00		18.00	92.70
		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		
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		15.00		15.00		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		

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		17.00		17.00		20.00	93.50
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240	Not required	17.00	Not required	17.00	Not required	20.00	
		36	5180		17.00		17.00		20.00	
	802.11n-HT20 MCS0	40	5200		17.00		17.00		20.00	93.10
		44	5220		17.00		17.00		20.00	
		48	5240		17.00		17.00		20.00	
		38	5190	15.25	17.00	15.50	17.00	18.39	20.00	
	802.11n-HT40 MCS0	46	5230	15.25	17.00	15.50	17.00	18.39	20.00	96.80
		36	5180		17.00		17.00		20.00	
		40	5200		17.00		17.00		20.00	
		44	5220	Not required	17.00	Not required	17.00	Not required	20.00	
	802.11ac-VHT20 MCS0	48	5240		17.00		17.00		20.00	97.00
		38	5190		17.00		17.00		20.00	
		46	5230		17.00		17.00		20.00	
		42	5210	15.54	16.00	15.50	16.00	18.44	19.00	
	802.11ac-VHT80 MCS0	36	5180		17.00		17.00		20.00	88.10
		40	5200		17.00		17.00		20.00	
		44	5220		17.00		17.00		20.00	
		48	5240	Not required	17.00	Not required	17.00	Not required	20.00	
	802.11ax-HE20 MCS0	38	5190		17.00		17.00		20.00	96.10
		46	5230		17.00		17.00		20.00	
		42	5210		16.00		16.00		19.00	
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		16.00		16.00		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	
		52	5260		16.00		16.00		19.00	
	802.11n-HT20 MCS0	56	5280		16.00		16.00		19.00	93.10
		60	5300		16.00		16.00		19.00	
		64	5320		16.00		16.00		19.00	
		54	5270		16.00		16.00		19.00	
	802.11n-HT40 MCS0	62	5310		16.00		16.00		19.00	96.80
		52	5260		16.00		16.00		19.00	
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
	802.11ac-VHT20 MCS0	64	5320		16.00		16.00		19.00	97.00
		54	5270		16.00		16.00		19.00	
		62	5310		16.00		16.00		19.00	
		58	5290	14.15	16.00	14.50	16.00	17.34	19.00	
	802.11ac-VHT80 MCS0	50	5250		15.00		15.00		18.00	87.00
		52	5260		16.00		16.00		19.00	
		56	5280		16.00		16.00		19.00	
		60	5300		16.00		16.00		19.00	
	802.11ax-HE20 MCS0	64	5320	Not required	16.00	Not required	16.00	Not required	19.00	96.10
		54	5270		16.00		16.00		19.00	
		62	5310		16.00		16.00		19.00	
		58	5290		16.00		16.00		19.00	
	802.11ax-HE40 MCS0	62	5310		16.00		16.00		19.00	92.60
	802.11ax-HE80 MCS0	58	5290		16.00		16.00		19.00	86.20
	802.11ax-HE160 MCS0	50	5250		15.00		15.00		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	Not required	14.50	Not required	14.50	17.50	93.50	
		116	5580							
		124	5620							
		132	5660							
		144	5720							
	802.11n-HT20 MCS0	100	5500							
		116	5580							
		124	5620							
		132	5660							
		144	5720							
	802.11n-HT40 MCS0	102	5510							
		110	5550							
		126	5630							
		134	5670							
		142	5710							
	802.11ac-VHT20 MCS0	100	5500							
		116	5580							
		124	5620							
		132	5660							
		144	5720							
	802.11ac-VHT40 MCS0	102	5510							
		110	5550							
		126	5630							
		134	5670							
142		5710								
802.11ac-VHT80 MCS0	106	5530								
	122	5610								
	138	5690								
802.11ac-VHT160 MCS0	114	5570	13.41	14.50	13.50	16.06	17.50	87.00		
802.11ax-HE20 MCS0	100	5500								
	116	5580								
	124	5620								
	132	5660								
	144	5720								
802.11ax-HE40 MCS0	102	5510								
	110	5550								
	126	5630								
	134	5670								
	142	5710								
802.11ax-HE80 MCS0	106	5530								
	122	5610								
	138	5690								
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	18.50	93.50						
		157	5785												
		165	5825												
	802.11n-HT20 MCS0	149	5745												
		157	5785												
		165	5825												
	802.11n-HT40 MCS0	151	5755												
		159	5795												
		167	5835												
	802.11ac-VHT20 MCS0	149	5745												
		157	5785												
		165	5825												
	802.11ac-VHT40 MCS0	151	5755												
		159	5795												
		167	5835												
	802.11ac-VHT80 MCS0	155	5775							14.86	15.50	14.90	17.64	18.50	88.10
		149	5745												
		157	5785												
	802.11ax-HE20 MCS0	165	5825												
		151	5755												
		159	5795												
	802.11ax-HE40 MCS0	151	5755												
		159	5795												
		167	5835												
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		17.00		17.00		17.00	20.00	93.10		
		40	5200		17.00		17.00		17.00	20.00			
		44	5220		17.00		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	17.00	17.00		17.00	20.00	93.90					
	46	5230	17.00	17.00		17.00	20.00						
802.11ac-VHT80 MCS0	42	5210	16.00	16.00		16.00	19.00	88.10					
802.11ax+HE20 MCS0	36	5180	Not required	17.00		Not required	17.00	Not required		20.00		96.10	
	40	5200		17.00			17.00			20.00			
	44	5220		17.00			17.00			20.00			
	48	5240		17.00			17.00			20.00			
802.11ax+HE40 MCS0	38	5190		17.00			17.00			17.00		20.00	92.60
802.11ax+HE80 MCS0	46	5230		17.00	17.00		17.00		20.00	86.20			
	42	5210		16.00	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		16.00		16.00		16.00	19.00	93.10						
		56	5280		16.00		16.00		16.00	19.00							
		60	5300		16.00		16.00		16.00	19.00							
		64	5320		16.00		16.00		16.00	19.00							
	802.11n-HT40 MCS0	54	5270		16.00		16.00		16.00	19.00	96.80						
		62	5310		16.00		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				16.00			16.00		16.00	19.00	93.90			
		62	5310				16.00			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	
	802.11ax+HE20 MCS0	50	5250				Not required			15.00		Not required	15.00	Not required	18.00	87.00	
		52	5260							16.00			16.00		19.00		
		56	5280							16.00			16.00		19.00		
		60	5300							16.00			16.00		19.00		
	802.11ax+HE40 MCS0	54	5270							16.00			16.00		16.00	19.00	92.60
		62	5310							16.00			16.00		16.00	19.00	
	802.11ax+HE80 MCS0	58	5290							16.00			16.00		16.00	19.00	86.20
802.11ax+HE160 MCS0	50	5250	15.0	15.0		15.0		18.0		85.1							



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	14.50	Not required	14.50	Not required	17.50	93.50
		116	5580		14.50		17.50			
		124	5620		14.50		17.50			
		132	5660		14.50		17.50			
		144	5720		14.50		17.50			
	802.11n-HT20 MCS0	100	5500		14.50		17.50			
		116	5580		14.50		17.50			
		124	5620		14.50		17.50			
		132	5660		14.50		17.50			
		144	5720		14.50		17.50			
	802.11n-HT40 MCS0	102	5510		14.50		17.50			
		110	5550		14.50		17.50			
		126	5630		14.50		17.50			
		134	5670		14.50		17.50			
		142	5710		14.50		17.50			
802.11ac-VHT20 MCS0	100	5500	14.50	17.50						
	116	5580	14.50	17.50						
	124	5620	14.50	17.50						
	132	5660	14.50	17.50						
	144	5720	14.50	17.50						
802.11ac-VHT40 MCS0	102	5510	14.50	17.50						
	110	5550	14.50	17.50						
	126	5630	14.50	17.50						
	134	5670	14.50	17.50						
	142	5710	14.50	17.50						
802.11ac-VHT80 MCS0	106	5530	14.50	17.50						
	122	5610	14.50	17.50						
	138	5690	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		17.50				
	124	5620		14.50		17.50				
	132	5660		14.50		17.50				
	144	5720		14.50		17.50				
802.11ax-HE40 MCS0	102	5510		14.50		17.50				
	110	5550		14.50		17.50				
	126	5630		14.50		17.50				
	134	5670		14.50		17.50				
	142	5710		14.50		17.50				
802.11ax-HE80 MCS0	106	5530		14.50		17.50				
	122	5610		14.50		17.50				
	138	5690		14.50		17.50				
802.11ax-HE160 MCS0	114	5570		14.50		17.50		14.50	17.50	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	15.50	Not required	15.50	Not required	18.50	93.50			
		157	5785		15.50		18.50						
		165	5825		15.50		18.50						
	802.11n-HT20 MCS0	149	5745		15.50		18.50						
		157	5785		15.50		18.50						
		165	5825		15.50		18.50						
	802.11n-HT40 MCS0	151	5755		15.50		18.50						
		159	5795		15.50		18.50						
		149	5745		15.50		18.50						
	802.11ac-VHT20 MCS0	157	5785		15.50		18.50						
		165	5825		15.50		18.50						
		151	5755		15.50		18.50						
	802.11ac-VHT40 MCS0	159	5795		15.50		18.50						
		155	5775		14.88		15.50		14.90	15.50	17.64	18.50	88.10
		149	5745		15.50		18.50						
802.11ax-HE20 MCS0	157	5785	15.50	18.50									
	165	5825	15.50	18.50									
	151	5755	15.50	18.50									
802.11ax-HE40 MCS0	159	5795	15.50	18.50									
	155	5775	15.50	18.50									
	149	5745	15.50	18.50									
802.11ax-HE80 MCS0	155	5775	15.50	18.50	15.50	18.50	88.20						





WIFI 6E	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	5965		9.00		9.00		12.00	
		59	6245		9.00		9.00		12.00	
		107	6465	not required	7.00	not required	7.00	not required	10.00	
		171	6865		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		9.00		9.00	12.00		
		59	6245		9.00		9.00	12.00		
		107	6465	not required	7.00	not required	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	Not required	Not required	Not required	Not required	6.00	9.00	85.10
		57	6235					6.00	9.00	
		113	6515					4.00	7.00	
		173	6815					6.00	9.00	
		233	7115					6.00	9.00	
	802.11ax-HE40 MCS0	3	5985					9.00	12.00	
		59	6245					9.00	12.00	
		107	6465					7.00	10.00	
		171	6805					9.00	12.00	
		227	7085					10.00	12.54	
	802.11ax-HE80 MCS0	7	5985					11.00	14.00	
		71	6305					11.00	14.00	
		119	6545					11.00	14.00	
		167	6785					11.00	14.00	
		215	7025					11.00	14.00	
	802.11ax-HE160 MCS0	15	6025					10.00	13.00	
		47	6185					9.80	13.00	
		111	6505					11.00	14.00	
		175	6825					9.30	12.50	
		207	6985					9.00	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

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	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

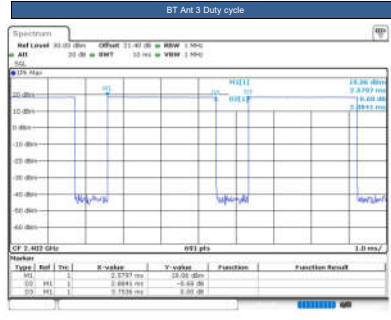
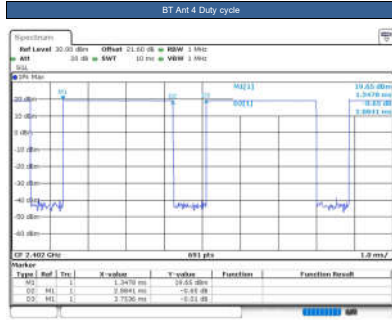


Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.06	17.27	17.49
	CH 39	2441	19.05	17.24	17.30
	CH 78	2480	19.40	17.49	17.54
Tune-up Limit			19.5	18	18

Ant 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 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	
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	



Mode	Channel	Frequency (MHz)	Ant 3+4(3)			Ant 3+4(4)			Ant 3+4		
			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

