

Appendix A

Power and Power Spectral Density Results U-NII-1 5725-5850 MHz



OMNI 4 dBi- ptmp

Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	23.1	30	-6.9
10	ac	5790	vt0	30	22.3	30	-7.7
10	ac	5840	vt0	30	21.6	30	-8.4
20	ac	5740	vt0	30	22.9	30	-7.1
20	ac	5790	vt0	30	22.5	30	-7.5
20	ac	5835	vt0	30	21.8	30	-8.2
30	ac	5745	vt0	30	22.8	30	-7.2
30	ac	5790	vt0	30	22.3	30	-7.7
30	ac	5830	vt0	30	21.8	30	-8.2
40	ac	5750	vf0	30	20.7	28	-7.3
40	ac	5790	vf0	30	20.5	28	-7.5
40	ac	5825	vfo	30	20.1	28	-7.9
50	ac	5755	vf0	30	19.8	27	-7.2
50	ac	5790	vf0	30	19.4	27	-7.6
50	ac	5820	vfo	30	19.0	27	-8.0
60	ac	5760	vf0	30	10.6	18	-7.4
60	ac	5790	vf0	30	7.2	15	-7.8
60	ac	5815	vfo	30	6.9	15	-8.1
80	ac	5770	ve	30	9.4	17	-7.6
80	ac	5790	ve	30	8.3	16	-7.7
80	ac	5805	ve	30	8.0	16	-8.0

Power Spectral Density



Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	14.2	30	-15.9
10	ac	5790	vt0	30	14.0	30	-16.0
10	ac	5840	vt0	30	13.6	30	-16.4
20	ac	5740	vt0	30	11.7	30	-18.4
20	ac	5790	vt0	30	11.4	30	-18.6
20	ac	5835	vt0	30	10.9	30	-19.1
30	ac	5745	vt0	30	10.2	30	-19.8
30	ac	5790	vt0	30	9.7	30	-20.3
30	ac	5830	vt0	30	9.3	30	-20.7
40	ac	5750	vf0	30	6.63	28	-21.4
40	ac	5790	vf0	30	6.29	28	-21.7
40	ac	5825	vfo	30	5.93	28	-22.1
50	ac	5755	vf0	30	4.96	27	-22.0
50	ac	5790	vf0	30	4.57	27	-22.4
50	ac	5820	vfo	30	4.29	27	-22.7
60	ac	5760	vf0	30	-4.98	18	-23.0
60	ac	5790	vf0	30	-8.16	15	-23.2
60	ac	5815	vfo	30	-8.39	15	-23.4
80	ac	5770	ve	30	-7.58	17	-24.6
80	ac	5790	ve	30	-6.9	16	-22.9
80	ac	5805	ve	30	-6.85	16	-22.9

OMINI 13 dBi-ptmp

Power :

Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	16.06	30	-13.9
10	ac	5790	vt0	30	15.32	30	-14.7
10	ac	5840	vt0	30	14.64	30	-15.4
20	ac	5740	vt0	30	15.91	30	-14.1
20	ac	5790	vt0	30	15.5	30	-14.5
20	ac	5835	vt0	30	14.83	30	-15.2
30	ac	5745	vt0	30	15.83	30	-14.2
30	ac	5790	vt0	30	15.31	30	-14.7
30	ac	5830	vt0	30	14.77	30	-15.2
40	ac	5750	vf0	30	13.68	30	-16.3
40	ac	5790	vf0	30	13.48	30	-16.5
40	ac	5825	vfo	30	13.09	30	-16.9
50	ac	5755	vf0	30	12.81	30	-17.2
50	ac	5790	vf0	30	12.37	30	-17.6
50	ac	5820	vfo	30	12.02	30	-18.0
60	ac	5760	vf0	30	3.59	30	-26.4
60	ac	5790	vf0	30	0.2	30	-29.8
60	ac	5815	vfo	30	-0.1	30	-30.1
80	ac	5770	ve	30	2.4	30	-27.6
80	ac	5790	ve	30	1.3	30	-28.7
80	ac	5805	ve	30	1	30	-29.0

Power Spectral Density

Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	7.15	30	-22.9
10	ac	5790	vt0	30	7.01	30	-23.0
10	ac	5840	vt0	30	6.56	30	-23.4
20	ac	5740	vt0	30	4.65	30	-25.4
20	ac	5790	vt0	30	4.39	30	-25.6
20	ac	5835	vt0	30	3.91	30	-26.1
30	ac	5745	vt0	30	3.23	30	-26.8
30	ac	5790	vt0	30	2.73	30	-27.3
30	ac	5830	vt0	30	2.31	30	-27.7
40	ac	5750	vf0	30	-0.37	30	-30.4
40	ac	5790	vf0	30	-0.71	30	-30.7
40	ac	5825	vfo	30	-1.07	30	-31.1
50	ac	5755	vf0	30	-2.04	30	-32.0
50	ac	5790	vf0	30	-2.43	30	-32.4
50	ac	5820	vfo	30	-2.71	30	-32.7
60	ac	5760	vf0	30	-11.98	30	-42.0
60	ac	5790	vf0	30	-15.16	30	-45.2
60	ac	5815	vfo	30	-15.39	30	-45.4
80	ac	5770	ve	30	-14.58	30	-44.6
80	ac	5790	ve	30	-13.9	30	-43.9
80	ac	5805	ve	30	-13.85	30	-43.9

Sector 22 dBi- ptmp

Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	7.06	30	-22.9
10	ac	5790	vt0	30	6.32	30	-23.7
10	ac	5840	vt0	30	5.64	30	-24.4
20	ac	5740	vt0	30	6.91	30	-23.1
20	ac	5790	vt0	30	6.5	30	-23.5
20	ac	5835	vt0	30	5.83	30	-24.2
30	ac	5745	vt0	30	6.83	30	-23.2
30	ac	5790	vt0	30	6.31	30	-23.7
30	ac	5830	vt0	30	5.77	30	-24.2
40	ac	5750	vf0	30	4.68	30	-25.3
40	ac	5790	vf0	30	4.48	30	-25.5
40	ac	5825	vfo	30	4.09	30	-25.9
50	ac	5755	vf0	30	3.81	30	-26.2
50	ac	5790	vf0	30	3.37	30	-26.6
50	ac	5820	vfo	30	3.02	30	-27.0
60	ac	5760	vf0	30	-5.41	30	-35.4
60	ac	5790	vf0	30	-8.8	30	-38.8
60	ac	5815	vfo	30	-9.1	30	-39.1
80	ac	5770	ve	30	-6.6	30	-36.6
80	ac	5790	ve	30	-7.7	30	-37.7
80	ac	5805	ve	30	-8	30	-38.0

Power Spectral Density

Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	-1.85	30	-31.9
10	ac	5790	vt0	30	-1.99	30	-32.0
10	ac	5840	vt0	30	-2.44	30	-32.4
20	ac	5740	vt0	30	-4.35	30	-34.4
20	ac	5790	vt0	30	-4.61	30	-34.6
20	ac	5835	vt0	30	-5.09	30	-35.1
30	ac	5745	vt0	30	-5.77	30	-35.8
30	ac	5790	vt0	30	-6.27	30	-36.3
30	ac	5830	vt0	30	-6.69	30	-36.7
40	ac	5750	vf0	30	-9.37	30	-39.4
40	ac	5790	vf0	30	-9.71	30	-39.7
40	ac	5825	vfo	30	-10.07	30	-40.1
50	ac	5755	vf0	30	-11.04	30	-41.0
50	ac	5790	vf0	30	-11.43	30	-41.4
50	ac	5820	vfo	30	-11.71	30	-41.7
60	ac	5760	vf0	30	-20.98	30	-51.0
60	ac	5790	vf0	30	-24.16	30	-54.2
60	ac	5815	vfo	30	-24.39	30	-54.4
80	ac	5770	ve	30	-23.58	30	-53.6
80	ac	5790	ve	30	-22.9	30	-52.9
80	ac	5805	ve	30	-22.85	30	-52.9

Dish 34 dBi- PTP

Power

Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	23.1	30	-6.9
10	ac	5790	vt0	30	22.3	30	-7.7
10	ac	5840	vt0	30	21.6	30	-8.4
20	ac	5740	vt0	30	22.9	30	-7.1
20	ac	5790	vt0	30	22.5	30	-7.5
20	ac	5835	vt0	30	21.8	30	-8.2
30	ac	5745	vt0	30	22.8	30	-7.2
30	ac	5790	vt0	30	22.3	30	-7.7
30	ac	5830	vt0	30	21.8	30	-8.2
40	ac	5750	vf0	30	20.7	30	-9.3
40	ac	5790	vf0	30	20.5	30	-9.5
40	ac	5825	vfo	30	20.1	30	-9.9
50	ac	5755	vf0	30	19.8	30	-10.2
50	ac	5790	vf0	30	19.4	30	-10.6
50	ac	5820	vfo	30	19.0	30	-11.0
60	ac	5760	vf0	30	10.6	30	-19.4
60	ac	5790	vf0	30	7.2	30	-22.8
60	ac	5815	vfo	30	6.9	30	-23.1
80	ac	5770	ve	30	9.4	30	-20.6
80	ac	5790	ve	30	8.3	30	-21.7
80	ac	5805	ve	30	8.0	30	-22.0



Power Spectral Density

Band Width	Mode	Frequency	Data Rate	TP	Port 1	Limit	Margin
MHz	ac	MHz			dBm	dBm	dB
10	ac	5735	vt0	30	14.2	30	-15.9
10	ac	5790	vt0	30	14.0	30	-16.0
10	ac	5840	vt0	30	13.6	30	-16.4
20	ac	5740	vt0	30	11.7	30	-18.4
20	ac	5790	vt0	30	11.4	30	-18.6
20	ac	5835	vt0	30	10.9	30	-19.1
30	ac	5745	vt0	30	10.2	30	-19.8
30	ac	5790	vt0	30	9.7	30	-20.3
30	ac	5830	vt0	30	9.3	30	-20.7
40	ac	5750	vf0	30	6.63	30	-23.4
40	ac	5790	vf0	30	6.29	30	-23.7
40	ac	5825	vfo	30	5.93	30	-24.1
50	ac	5755	vf0	30	4.96	30	-25.0
50	ac	5790	vf0	30	4.57	30	-25.4
50	ac	5820	vfo	30	4.29	30	-25.7
60	ac	5760	vf0	30	-4.98	30	-35.0
60	ac	5790	vf0	30	-8.16	30	-38.2
60	ac	5815	vfo	30	-8.39	30	-38.4
80	ac	5770	ve	30	-7.58	30	-37.6
80	ac	5790	ve	30	-6.9	30	-36.9
80	ac	5805	ve	30	-6.85	30	-36.9