



Annex A

Output Power

UNII-2A and UNII-2C



UNII-2A Output Power for 10 dBi OMNI Antenna										
Bandwidth	Test Frequency	Data Rate	TP	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz			dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	13	12.5	12.2	17.8	16.6	15.4	20	-4.6
10	5300	vt0	13	12.3	12.5	17.0	17.8	15.4	20	-4.6
10	5340	vt0	0	0.2	1.5	1.0	1.4	3.9	20	-16.1
20	5260	vt0	15	14.1	14.7	25.7	29.5	17.4	20	-2.6
20	5300	vt0	15	14.1	14.8	25.7	30.2	17.5	20	-2.5
20	5335	vt0	-7	-3.4	-5.4	0.5	0.3	-1.3	20	-21.3
30	5265	vt0	16	15.2	15.8	33.1	38.0	18.5	20	-1.5
30	5300	vt0	17	15.8	17.0	38.0	50.1	19.5	20	-0.5
30	5330	vt0	-10	-7.0	-9.1	0.2	0.1	-4.9	20	-24.9
40	5270	vf0	16	14.8	15.0	30.2	31.6	17.9	20	-2.1
40	5300	vf0	15	13.7	14.0	23.4	25.1	16.9	20	-3.1
40	5325	vf0	-10	-7.6	-9.1	0.2	0.1	-5.3	20	-25.3
50	5275	vf0	16	14.8	14.7	30.2	29.5	17.8	20	-2.2
50	5300	vf0	11	9.6	10.3	9.1	10.7	13.0	20	-7.0
50	5320	vf0	-9	-6.6	-8.1	0.2	0.2	-4.3	20	-24.3
60	5280	vf0	16	15.1	15.9	32.4	38.9	18.5	20	-1.5
60	5300	vf0	7	5.8	6.4	3.8	4.4	9.1	20	-10.9
60	5315	vf0	-10	-7.4	-8.9	0.2	0.1	-5.1	20	-25.1
80	5290	ve00	3	2.3	2.9	1.7	1.9	5.6	20	-14.4
80	5300	ve00	-6	-3.5	-5.2	0.4	0.3	-1.3	20	-21.3
80	5305	ve00	-9	-6.5	-8.4	0.2	0.1	-4.3	20	-24.3



UNII-2A Output Power for 13 dBi Omni Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	9.5	9.2	8.9	8.3	12.4	17	-4.6
10	5300	vt0	9.3	9.5	8.5	8.9	12.4	17	-4.6
10	5340	vt0	-2.8	-1.5	0.5	0.7	0.9	17	-16.1
20	5260	vt0	11.1	11.7	12.9	14.8	14.4	17	-2.6
20	5300	vt0	11.1	11.8	12.9	15.1	14.5	17	-2.5
20	5335	vt0	-6.4	-8.4	0.2	0.1	-4.3	17	-21.3
30	5265	vt0	12.2	12.8	16.6	19.1	15.5	17	-1.5
30	5300	vt0	12.8	14.0	19.1	25.1	16.5	17	-0.5
30	5330	vt0	-10.0	-12.1	0.1	0.1	-7.9	17	-24.9
40	5270	vf0	11.8	12.0	15.1	15.8	14.9	17	-2.1
40	5300	vf0	10.7	11.0	11.7	12.6	13.9	17	-3.1
40	5325	vf0	-10.6	-12.1	0.1	0.1	-8.3	17	-25.3
50	5275	vf0	11.8	11.7	15.1	14.8	14.8	17	-2.2
50	5300	vf0	6.6	7.3	4.6	5.4	10.0	17	-7.0
50	5320	vf0	-9.6	-11.1	0.1	0.1	-7.3	17	-24.3
60	5280	vf0	12.1	12.9	16.2	19.5	15.5	17	-1.5
60	5300	vf0	2.8	3.4	1.9	2.2	6.1	17	-10.9
60	5315	vf0	-10.4	-11.9	0.1	0.1	-8.1	17	-25.1
80	5290	ve00	-0.7	-0.1	0.9	1.0	2.6	17	-14.4
80	5300	ve00	-6.5	-8.2	0.2	0.2	-4.3	17	-21.3
80	5305	ve00	-9.5	-11.4	0.1	0.1	-7.3	17	-24.3



UNII-2A Output Power for 16 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	6.5	6.2	4.5	4.2	9.4	14	-4.6
10	5300	vt0	6.3	6.5	4.3	4.5	9.4	14	-4.6
10	5340	vt0	-5.8	-4.5	0.3	0.4	-2.1	14	-16.1
20	5260	vt0	8.1	8.7	6.5	7.4	11.4	14	-2.6
20	5300	vt0	8.1	8.8	6.5	7.6	11.5	14	-2.5
20	5335	vt0	-9.4	-11.4	0.1	0.1	-7.3	14	-21.3
30	5265	vt0	9.2	9.8	8.3	9.5	12.5	14	-1.5
30	5300	vt0	9.8	11.0	9.5	12.6	13.5	14	-0.5
30	5330	vt0	-13.0	-15.1	0.1	0.0	-10.9	14	-24.9
40	5270	vf0	8.8	9.0	7.6	7.9	11.9	14	-2.1
40	5300	vf0	7.7	8.0	5.9	6.3	10.9	14	-3.1
40	5325	vf0	-13.6	-15.1	0.0	0.0	-11.3	14	-25.3
50	5275	vf0	8.8	8.7	7.6	7.4	11.8	14	-2.2
50	5300	vf0	3.6	4.3	2.3	2.7	7.0	14	-7.0
50	5320	vf0	-12.6	-14.1	0.1	0.0	-10.3	14	-24.3
60	5280	vf0	9.1	9.9	8.1	9.8	12.5	14	-1.5
60	5300	vf0	-0.2	0.4	1.0	1.1	3.1	14	-10.9
60	5315	vf0	-13.4	-14.9	0.0	0.0	-11.1	14	-25.1
80	5290	ve00	-3.7	-3.1	0.4	0.5	-0.4	14	-14.4
80	5300	ve00	-9.5	-11.2	0.1	0.1	-7.3	14	-21.3
80	5305	ve00	-12.5	-14.4	0.1	0.0	-10.3	14	-24.3



UNII-2A Output Power for 17 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	5.5	5.2	5.2	3.3	9.3	13	-3.7
10	5300	vt0	5.3	5.5	3.4	3.5	8.4	13	-4.6
10	5340	vt0	-6.8	-5.5	0.2	0.3	-3.1	13	-16.1
20	5260	vt0	7.1	7.7	5.1	5.9	10.4	13	-2.6
20	5300	vt0	7.1	7.8	5.1	6.0	10.5	13	-2.5
20	5335	vt0	-10.4	-12.4	0.1	0.1	-8.3	13	-21.3
30	5265	vt0	8.2	8.8	6.6	7.6	11.5	13	-1.5
30	5300	vt0	8.8	10.0	7.6	10.0	12.5	13	-0.5
30	5330	vt0	-14.0	-16.1	0.0	0.0	-11.9	13	-24.9
40	5270	vf0	7.8	8.0	6.0	6.3	10.9	13	-2.1
40	5300	vf0	6.7	7.0	4.7	5.0	9.9	13	-3.1
40	5325	vf0	-14.6	-16.1	0.0	0.0	-12.3	13	-25.3
50	5275	vf0	7.8	7.7	6.0	5.9	10.8	13	-2.2
50	5300	vf0	2.6	3.3	1.8	2.1	6.0	13	-7.0
50	5320	vf0	-13.6	-15.1	0.0	0.0	-11.3	13	-24.3
60	5280	vf0	8.1	8.9	6.5	7.8	11.5	13	-1.5
60	5300	vf0	-1.2	-0.6	0.8	0.9	2.1	13	-10.9
60	5315	vf0	-14.4	-15.9	0.0	0.0	-12.1	13	-25.1
80	5290	ve00	-4.7	-4.1	0.3	0.4	-1.4	13	-14.4
80	5300	ve00	-10.5	-12.2	0.1	0.1	-8.3	13	-21.3
80	5305	ve00	-13.5	-15.4	0.0	0.0	-11.3	13	-24.3



UNII-2A Output Power for 19 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	3.5	3.2	2.2	2.1	6.4	11	-4.6
10	5300	vt0	3.3	3.5	2.1	2.2	6.4	11	-4.6
10	5340	vt0	-8.8	-7.5	0.1	0.2	-5.1	11	-16.1
20	5260	vt0	5.1	5.7	3.2	3.7	8.4	11	-2.6
20	5300	vt0	5.1	5.8	3.2	3.8	8.5	11	-2.5
20	5335	vt0	-12.4	-14.4	0.1	0.0	-10.3	11	-21.3
30	5265	vt0	6.2	6.8	4.2	4.8	9.5	11	-1.5
30	5300	vt0	6.8	8.0	4.8	6.3	10.5	11	-0.5
30	5330	vt0	-16.0	-18.1	0.0	0.0	-13.9	11	-24.9
40	5270	vf0	5.8	6.0	3.8	4.0	8.9	11	-2.1
40	5300	vf0	4.7	5.0	3.0	3.2	7.9	11	-3.1
40	5325	vf0	-16.6	-18.1	0.0	0.0	-14.3	11	-25.3
50	5275	vf0	5.8	5.7	3.8	3.7	8.8	11	-2.2
50	5300	vf0	0.6	1.3	1.1	1.3	4.0	11	-7.0
50	5320	vf0	-15.6	-17.1	0.0	0.0	-13.3	11	-24.3
60	5280	vf0	6.1	6.9	4.1	4.9	9.5	11	-1.5
60	5300	vf0	-3.2	-2.6	0.5	0.5	0.1	11	-10.9
60	5315	vf0	-16.4	-17.9	0.0	0.0	-14.1	11	-25.1
80	5290	ve00	-6.7	-6.1	0.2	0.2	-3.4	11	-14.4
80	5300	ve00	-12.5	-14.2	0.1	0.0	-10.3	11	-21.3
80	5305	ve00	-15.5	-17.4	0.0	0.0	-13.3	11	-24.3



UNII-2A Output Power for 20 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	2.5	2.2	1.8	1.7	5.4	10	-4.6
10	5300	vt0	2.3	2.5	1.7	1.8	5.4	10	-4.6
10	5340	vt0	-9.8	-8.5	0.1	0.1	-6.1	10	-16.1
20	5260	vt0	4.1	4.7	2.6	3.0	7.4	10	-2.6
20	5300	vt0	4.1	4.8	2.6	3.0	7.5	10	-2.5
20	5335	vt0	-13.4	-15.4	0.0	0.0	-11.3	10	-21.3
30	5265	vt0	5.2	5.8	3.3	3.8	8.5	10	-1.5
30	5300	vt0	5.8	7.0	3.8	5.0	9.5	10	-0.5
30	5330	vt0	-17.0	-19.1	0.0	0.0	-14.9	10	-24.9
40	5270	vf0	4.8	5.0	3.0	3.2	7.9	10	-2.1
40	5300	vf0	3.7	4.0	2.3	2.5	6.9	10	-3.1
40	5325	vf0	-17.6	-19.1	0.0	0.0	-15.3	10	-25.3
50	5275	vf0	4.8	4.7	3.0	3.0	7.8	10	-2.2
50	5300	vf0	-0.4	0.3	0.9	1.1	3.0	10	-7.0
50	5320	vf0	-16.6	-18.1	0.0	0.0	-14.3	10	-24.3
60	5280	vf0	5.1	5.9	3.2	3.9	8.5	10	-1.5
60	5300	vf0	-4.2	-3.6	0.4	0.4	-0.9	10	-10.9
60	5315	vf0	-17.4	-18.9	0.0	0.0	-15.1	10	-25.1
80	5290	ve00	-7.7	-7.1	0.2	0.2	-4.4	10	-14.4
80	5300	ve00	-13.5	-15.2	0.0	0.0	-11.3	10	-21.3
80	5305	ve00	-16.5	-18.4	0.0	0.0	-14.3	10	-24.3



UNII-2A Output Power for 21 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	1.5	1.2	1.4	1.3	4.4	9	-4.6
10	5300	vt0	1.3	1.5	1.3	1.4	4.4	9	-4.6
10	5340	vt0	-10.8	-9.5	0.1	0.1	-7.1	9	-16.1
20	5260	vt0	3.1	3.7	2.0	2.3	6.4	9	-2.6
20	5300	vt0	3.1	3.8	2.0	2.4	6.5	9	-2.5
20	5335	vt0	-14.4	-16.4	0.0	0.0	-12.3	9	-21.3
30	5265	vt0	4.2	4.8	2.6	3.0	7.5	9	-1.5
30	5300	vt0	4.8	6.0	3.0	4.0	8.5	9	-0.5
30	5330	vt0	-18.0	-20.1	0.0	0.0	-15.9	9	-24.9
40	5270	vf0	3.8	4.0	2.4	2.5	6.9	9	-2.1
40	5300	vf0	2.7	3.0	1.9	2.0	5.9	9	-3.1
40	5325	vf0	-18.6	-20.1	0.0	0.0	-16.3	9	-25.3
50	5275	vf0	3.8	3.7	2.4	2.3	6.8	9	-2.2
50	5300	vf0	-1.4	-0.7	0.7	0.9	2.0	9	-7.0
50	5320	vf0	-17.6	-19.1	0.0	0.0	-15.3	9	-24.3
60	5280	vf0	4.1	4.9	2.6	3.1	7.5	9	-1.5
60	5300	vf0	-5.2	-4.6	0.3	0.3	-1.9	9	-10.9
60	5315	vf0	-18.4	-19.9	0.0	0.0	-16.1	9	-25.1
80	5290	ve00	-8.7	-8.1	0.1	0.2	-5.4	9	-14.4
80	5300	ve00	-14.5	-16.2	0.0	0.0	-12.3	9	-21.3
80	5305	ve00	-17.5	-19.4	0.0	0.0	-15.3	9	-24.3



UNII-2A Output Power for 22 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	0.5	0.2	1.1	1.0	3.4	8	-4.6
10	5300	vt0	0.3	0.5	1.1	1.1	3.4	8	-4.6
10	5340	vt0	-11.8	-10.5	0.1	0.1	-8.1	8	-16.1
20	5260	vt0	2.1	2.7	1.6	1.9	5.4	8	-2.6
20	5300	vt0	2.1	2.8	1.6	1.9	5.5	8	-2.5
20	5335	vt0	-15.4	-17.4	0.0	0.0	-13.3	8	-21.3
30	5265	vt0	3.2	3.8	2.1	2.4	6.5	8	-1.5
30	5300	vt0	3.8	5.0	2.4	3.2	7.5	8	-0.5
30	5330	vt0	-19.0	-21.1	0.0	0.0	-16.9	8	-24.9
40	5270	vf0	2.8	3.0	1.9	2.0	5.9	8	-2.1
40	5300	vf0	1.7	2.0	1.5	1.6	4.9	8	-3.1
40	5325	vf0	-19.6	-21.1	0.0	0.0	-17.3	8	-25.3
50	5275	vf0	2.8	2.7	1.9	1.9	5.8	8	-2.2
50	5300	vf0	-2.4	-1.7	0.6	0.7	1.0	8	-7.0
50	5320	vf0	-18.6	-20.1	0.0	0.0	-16.3	8	-24.3
60	5280	vf0	3.1	3.9	2.0	2.5	6.5	8	-1.5
60	5300	vf0	-6.2	-5.6	0.2	0.3	-2.9	8	-10.9
60	5315	vf0	-19.4	-20.9	0.0	0.0	-17.1	8	-25.1
80	5290	ve00	-9.7	-9.1	0.1	0.1	-6.4	8	-14.4
80	5300	ve00	-15.5	-17.2	0.0	0.0	-13.3	8	-21.3
80	5305	ve00	-18.5	-20.4	0.0	0.0	-16.3	8	-24.3



UNII-2A Output Power for 30 dBi Dish Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	-7.5	-7.8	0.2	0.2	-4.6	0	-4.6
10	5300	vt0	-7.7	-7.5	0.2	0.2	-4.6	0	-4.6
10	5340	vt0	-19.8	-18.5	0.0	0.0	-16.1	0	-16.1
20	5260	vt0	-5.9	-5.3	0.3	0.3	-2.6	0	-2.6
20	5300	vt0	-5.9	-5.2	0.3	0.3	-2.5	0	-2.5
20	5335	vt0	-23.4	-25.4	0.0	0.0	-21.3	0	-21.3
30	5265	vt0	-4.8	-4.2	0.3	0.4	-1.5	0	-1.5
30	5300	vt0	-4.2	-3.0	0.4	0.5	-0.5	0	-0.5
30	5330	vt0	-27.0	-29.1	0.0	0.0	-24.9	0	-24.9
40	5270	vf0	-5.2	-5.0	0.3	0.3	-2.1	0	-2.1
40	5300	vf0	-6.3	-6.0	0.2	0.3	-3.1	0	-3.1
40	5325	vf0	-27.6	-29.1	0.0	0.0	-25.3	0	-25.3
50	5275	vf0	-5.2	-5.3	0.3	0.3	-2.2	0	-2.2
50	5300	vf0	-10.4	-9.7	0.1	0.1	-7.0	0	-7.0
50	5320	vf0	-26.6	-28.1	0.0	0.0	-24.3	0	-24.3
60	5280	vf0	-4.9	-4.1	0.3	0.4	-1.5	0	-1.5
60	5300	vf0	-14.2	-13.6	0.0	0.0	-10.9	0	-10.9
60	5315	vf0	-27.4	-28.9	0.0	0.0	-25.1	0	-25.1
80	5290	ve00	-17.7	-17.1	0.0	0.0	-14.4	0	-14.4
80	5300	ve00	-23.5	-25.2	0.0	0.0	-21.3	0	-21.3
80	5305	ve00	-26.5	-28.4	0.0	0.0	-24.3	0	-24.3



UNII-2A Output Power for 31 dBi Dish Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	-8.5	-8.8	0.1	0.1	-5.6	-1	-4.6
10	5300	vt0	-8.7	-8.5	0.1	0.1	-5.6	-1	-4.6
10	5340	vt0	-20.8	-19.5	0.0	0.0	-17.1	-1	-16.1
20	5260	vt0	-6.9	-6.3	0.2	0.2	-3.6	-1	-2.6
20	5300	vt0	-6.9	-6.2	0.2	0.2	-3.5	-1	-2.5
20	5335	vt0	-24.4	-26.4	0.0	0.0	-22.3	-1	-21.3
30	5265	vt0	-5.8	-5.2	0.3	0.3	-2.5	-1	-1.5
30	5300	vt0	-5.2	-4.0	0.3	0.4	-1.5	-1	-0.5
30	5330	vt0	-28.0	-30.1	0.0	0.0	-25.9	-1	-24.9
40	5270	vf0	-6.2	-6.0	0.2	0.3	-3.1	-1	-2.1
40	5300	vf0	-7.3	-7.0	0.2	0.2	-4.1	-1	-3.1
40	5325	vf0	-28.6	-30.1	0.0	0.0	-26.3	-1	-25.3
50	5275	vf0	-6.2	-6.3	0.2	0.2	-3.2	-1	-2.2
50	5300	vf0	-11.4	-10.7	0.1	0.1	-8.0	-1	-7.0
50	5320	vf0	-27.6	-29.1	0.0	0.0	-25.3	-1	-24.3
60	5280	vf0	-5.9	-5.1	0.3	0.3	-2.5	-1	-1.5
60	5300	vf0	-15.2	-14.6	0.0	0.0	-11.9	-1	-10.9
60	5315	vf0	-28.4	-29.9	0.0	0.0	-26.1	-1	-25.1
80	5290	ve00	-18.7	-18.1	0.0	0.0	-15.4	-1	-14.4
80	5300	ve00	-24.5	-26.2	0.0	0.0	-22.3	-1	-21.3
80	5305	ve00	-27.5	-29.4	0.0	0.0	-25.3	-1	-24.3



UNII-2A Output Power for 34 dBi Dish Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5255	vt0	-11.5	-11.8	0.1	0.1	-8.6	-4	-4.6
10	5300	vt0	-11.7	-11.5	0.1	0.1	-8.6	-4	-4.6
10	5340	vt0	-23.8	-22.5	0.0	0.0	-20.1	-4	-16.1
20	5260	vt0	-9.9	-9.3	0.1	0.1	-6.6	-4	-2.6
20	5300	vt0	-9.9	-9.2	0.1	0.1	-6.5	-4	-2.5
20	5335	vt0	-27.4	-29.4	0.0	0.0	-25.3	-4	-21.3
30	5265	vt0	-8.8	-8.2	0.1	0.2	-5.5	-4	-1.5
30	5300	vt0	-8.2	-7.0	0.2	0.2	-4.5	-4	-0.5
30	5330	vt0	-31.0	-33.1	0.0	0.0	-28.9	-4	-24.9
40	5270	vf0	-9.2	-9.0	0.1	0.1	-6.1	-4	-2.1
40	5300	vf0	-10.3	-10.0	0.1	0.1	-7.1	-4	-3.1
40	5325	vf0	-31.6	-33.1	0.0	0.0	-29.3	-4	-25.3
50	5275	vf0	-9.2	-9.3	0.1	0.1	-6.2	-4	-2.2
50	5300	vf0	-14.4	-13.7	0.0	0.0	-11.0	-4	-7.0
50	5320	vf0	-30.6	-32.1	0.0	0.0	-28.3	-4	-24.3
60	5280	vf0	-8.9	-8.1	0.1	0.2	-5.5	-4	-1.5
60	5300	vf0	-18.2	-17.6	0.0	0.0	-14.9	-4	-10.9
60	5315	vf0	-31.4	-32.9	0.0	0.0	-29.1	-4	-25.1
80	5290	ve00	-21.7	-21.1	0.0	0.0	-18.4	-4	-14.4
80	5300	ve00	-27.5	-29.2	0.0	0.0	-25.3	-4	-21.3
80	5305	ve00	-30.5	-32.4	0.0	0.0	-28.3	-4	-24.3



UNII-2C Output Power for 10 dBi OMNI Antenna										
Bandwidth	Test Frequency	Data Rate	TP	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz			dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	12	12.3	11.6	17.0	14.5	15.0	20	-5.0
10	5600	vt0	12	11.7	12.1	14.8	16.2	14.9	20	-5.1
10	5715	vt0	12	11.2	12.1	13.2	16.2	14.7	20	-5.3
20	5485	vt0	8	8.1	8.1	6.5	6.5	11.1	20	-8.9
20	5600	vt0	15	14.5	15.1	28.2	32.4	17.8	20	-2.2
20	5710	vt0	9	8.7	8.7	7.4	7.4	11.7	20	-8.3
30	5490	vt0	6	6.8	6.5	4.8	4.5	9.7	20	-10.3
30	5600	vt0	16	17.2	15.9	52.5	38.9	19.6	20	-0.4
30	5705	vt0	6	5.7	6.8	3.7	4.8	9.3	20	-10.7
40	5495	vf0	6	5.5	5.9	3.5	3.9	8.7	20	-11.3
40	5600	vf0	16	16.3	16.3	42.7	42.7	19.3	20	-0.7
40	5700	vf0	6	4.9	5.9	3.1	3.9	8.4	20	-11.6
50	5500	vf0	5	4.6	4.7	2.9	3.0	7.7	20	-12.3
50	5600	vf0	16	16.4	16.3	43.7	42.7	19.4	20	-0.6
50	5695	vf0	7	6.1	6.8	4.1	4.8	9.5	20	-10.5
60	5505	vf0	0	0.4	0.6	1.1	1.1	3.5	20	-16.5
60	5600	vf0	16	16.5	16.5	44.7	44.7	19.5	20	-0.5
60	5690	vf0	6	5.2	6.0	3.3	4.0	8.6	20	-11.4
80	5515	ve00	-5	-1.9	-4.8	0.6	0.3	-0.1	20	-20.1
80	5600	ve00	10	9.1	9.1	8.1	8.1	12.1	20	-7.9
80	5680	ve00	6	4.7	5.4	3.0	3.5	8.1	20	-11.9



UNII-2C Output Power for 13 dBi Omni Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	9.3	8.6	8.5	7.2	12.0	17	-5.0
10	5600	vt0	8.7	9.1	7.4	8.1	11.9	17	-5.1
10	5715	vt0	8.2	9.1	6.6	8.1	11.7	17	-5.3
20	5485	vt0	5.1	5.1	3.2	3.2	8.1	17	-8.9
20	5600	vt0	11.5	12.1	14.1	16.2	14.8	17	-2.2
20	5710	vt0	5.7	5.7	3.7	3.7	8.7	17	-8.3
30	5490	vt0	3.8	3.5	2.4	2.2	6.7	17	-10.3
30	5600	vt0	14.2	12.9	26.3	19.5	16.6	17	-0.4
30	5705	vt0	2.7	3.8	1.9	2.4	6.3	17	-10.7
40	5495	vf0	2.5	2.9	1.8	1.9	5.7	17	-11.3
40	5600	vf0	13.3	13.3	21.4	21.4	16.3	17	-0.7
40	5700	vf0	1.9	2.9	1.5	1.9	5.4	17	-11.6
50	5500	vf0	1.6	1.7	1.4	1.5	4.7	17	-12.3
50	5600	vf0	13.4	13.3	21.9	21.4	16.4	17	-0.6
50	5695	vf0	3.1	3.8	2.0	2.4	6.5	17	-10.5
60	5505	vf0	-2.6	-2.4	0.5	0.6	0.5	17	-16.5
60	5600	vf0	13.5	13.5	22.4	22.4	16.5	17	-0.5
60	5690	vf0	2.2	3.0	1.7	2.0	5.6	17	-11.4
80	5515	ve00	-4.9	-7.8	0.3	0.2	-3.1	17	-20.1
80	5600	ve00	6.1	6.1	4.1	4.1	9.1	17	-7.9
80	5680	ve00	1.7	2.4	1.5	1.7	5.1	17	-11.9



UNII-2C Output Power for 16 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	6.3	5.6	4.3	3.6	9.0	14	-5.0
10	5600	vt0	5.7	6.1	3.7	4.1	8.9	14	-5.1
10	5715	vt0	5.2	6.1	3.3	4.1	8.7	14	-5.3
20	5485	vt0	2.1	2.1	1.6	1.6	5.1	14	-8.9
20	5600	vt0	8.5	9.1	7.1	8.1	11.8	14	-2.2
20	5710	vt0	2.7	2.7	1.9	1.9	5.7	14	-8.3
30	5490	vt0	0.8	0.5	1.2	1.1	3.7	14	-10.3
30	5600	vt0	11.2	9.9	13.2	9.8	13.6	14	-0.4
30	5705	vt0	-0.3	0.8	0.9	1.2	3.3	14	-10.7
40	5495	vf0	-0.5	-0.1	0.9	1.0	2.7	14	-11.3
40	5600	vf0	10.3	10.3	10.7	10.7	13.3	14	-0.7
40	5700	vf0	-1.1	-0.1	0.8	1.0	2.4	14	-11.6
50	5500	vf0	-1.4	-1.3	0.7	0.7	1.7	14	-12.3
50	5600	vf0	10.4	10.3	11.0	10.7	13.4	14	-0.6
50	5695	vf0	0.1	0.8	1.0	1.2	3.5	14	-10.5
60	5505	vf0	-5.6	-5.4	0.3	0.3	-2.5	14	-16.5
60	5600	vf0	10.5	10.5	11.2	11.2	13.5	14	-0.5
60	5690	vf0	-0.8	0.0	0.8	1.0	2.6	14	-11.4
80	5515	ve00	-7.9	-10.8	0.2	0.1	-6.1	14	-20.1
80	5600	ve00	3.1	3.1	2.0	2.0	6.1	14	-7.9
80	5680	ve00	-1.3	-0.6	0.7	0.9	2.1	14	-11.9



UNII-2C Output Power for 17 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	5.3	4.6	4.6	2.9	8.7	13	-4.3
10	5600	vt0	4.7	5.1	3.0	3.2	7.9	13	-5.1
10	5715	vt0	4.2	5.1	2.6	3.2	7.7	13	-5.3
20	5485	vt0	1.1	1.1	1.3	1.3	4.1	13	-8.9
20	5600	vt0	7.5	8.1	5.6	6.5	10.8	13	-2.2
20	5710	vt0	1.7	1.7	1.5	1.5	4.7	13	-8.3
30	5490	vt0	-0.2	-0.5	1.0	0.9	2.7	13	-10.3
30	5600	vt0	10.2	8.9	10.5	7.8	12.6	13	-0.4
30	5705	vt0	-1.3	-0.2	0.7	1.0	2.3	13	-10.7
40	5495	vf0	-1.5	-1.1	0.7	0.8	1.7	13	-11.3
40	5600	vf0	9.3	9.3	8.5	8.5	12.3	13	-0.7
40	5700	vf0	-2.1	-1.1	0.6	0.8	1.4	13	-11.6
50	5500	vf0	-2.4	-2.3	0.6	0.6	0.7	13	-12.3
50	5600	vf0	9.4	9.3	8.7	8.5	12.4	13	-0.6
50	5695	vf0	-0.9	-0.2	0.8	1.0	2.5	13	-10.5
60	5505	vf0	-6.6	-6.4	0.2	0.2	-3.5	13	-16.5
60	5600	vf0	9.5	9.5	8.9	8.9	12.5	13	-0.5
60	5690	vf0	-1.8	-1.0	0.7	0.8	1.6	13	-11.4
80	5515	ve00	-8.9	-11.8	0.1	0.1	-7.1	13	-20.1
80	5600	ve00	2.1	2.1	1.6	1.6	5.1	13	-7.9
80	5680	ve00	-2.3	-1.6	0.6	0.7	1.1	13	-11.9



UNII-2C Output Power for 19 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	3.3	2.6	2.1	1.8	6.0	11	-5.0
10	5600	vt0	2.7	3.1	1.9	2.0	5.9	11	-5.1
10	5715	vt0	2.2	3.1	1.7	2.0	5.7	11	-5.3
20	5485	vt0	-0.9	-0.9	0.8	0.8	2.1	11	-8.9
20	5600	vt0	5.5	6.1	3.5	4.1	8.8	11	-2.2
20	5710	vt0	-0.3	-0.3	0.9	0.9	2.7	11	-8.3
30	5490	vt0	-2.2	-2.5	0.6	0.6	0.7	11	-10.3
30	5600	vt0	8.2	6.9	6.6	4.9	10.6	11	-0.4
30	5705	vt0	-3.3	-2.2	0.5	0.6	0.3	11	-10.7
40	5495	vf0	-3.5	-3.1	0.4	0.5	-0.3	11	-11.3
40	5600	vf0	7.3	7.3	5.4	5.4	10.3	11	-0.7
40	5700	vf0	-4.1	-3.1	0.4	0.5	-0.6	11	-11.6
50	5500	vf0	-4.4	-4.3	0.4	0.4	-1.3	11	-12.3
50	5600	vf0	7.4	7.3	5.5	5.4	10.4	11	-0.6
50	5695	vf0	-2.9	-2.2	0.5	0.6	0.5	11	-10.5
60	5505	vf0	-8.6	-8.4	0.1	0.1	-5.5	11	-16.5
60	5600	vf0	7.5	7.5	5.6	5.6	10.5	11	-0.5
60	5690	vf0	-3.8	-3.0	0.4	0.5	-0.4	11	-11.4
80	5515	ve00	-10.9	-13.8	0.1	0.0	-9.1	11	-20.1
80	5600	ve00	0.1	0.1	1.0	1.0	3.1	11	-7.9
80	5680	ve00	-4.3	-3.6	0.4	0.4	-0.9	11	-11.9



UNII-2C Output Power for 20 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	2.3	1.6	1.7	1.4	5.0	10	-5.0
10	5600	vt0	1.7	2.1	1.5	1.6	4.9	10	-5.1
10	5715	vt0	1.2	2.1	1.3	1.6	4.7	10	-5.3
20	5485	vt0	-1.9	-1.9	0.6	0.6	1.1	10	-8.9
20	5600	vt0	4.5	5.1	2.8	3.2	7.8	10	-2.2
20	5710	vt0	-1.3	-1.3	0.7	0.7	1.7	10	-8.3
30	5490	vt0	-3.2	-3.5	0.5	0.4	-0.3	10	-10.3
30	5600	vt0	7.2	5.9	5.2	3.9	9.6	10	-0.4
30	5705	vt0	-4.3	-3.2	0.4	0.5	-0.7	10	-10.7
40	5495	vf0	-4.5	-4.1	0.4	0.4	-1.3	10	-11.3
40	5600	vf0	6.3	6.3	4.3	4.3	9.3	10	-0.7
40	5700	vf0	-5.1	-4.1	0.3	0.4	-1.6	10	-11.6
50	5500	vf0	-5.4	-5.3	0.3	0.3	-2.3	10	-12.3
50	5600	vf0	6.4	6.3	4.4	4.3	9.4	10	-0.6
50	5695	vf0	-3.9	-3.2	0.4	0.5	-0.5	10	-10.5
60	5505	vf0	-9.6	-9.4	0.1	0.1	-6.5	10	-16.5
60	5600	vf0	6.5	6.5	4.5	4.5	9.5	10	-0.5
60	5690	vf0	-4.8	-4.0	0.3	0.4	-1.4	10	-11.4
80	5515	ve00	-11.9	-14.8	0.1	0.0	-10.1	10	-20.1
80	5600	ve00	-0.9	-0.9	0.8	0.8	2.1	10	-7.9
80	5680	ve00	-5.3	-4.6	0.3	0.3	-1.9	10	-11.9



UNII-2C Output Power for 21 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	1.3	0.6	1.3	1.1	4.0	9	-5.0
10	5600	vt0	0.7	1.1	1.2	1.3	3.9	9	-5.1
10	5715	vt0	0.2	1.1	1.0	1.3	3.7	9	-5.3
20	5485	vt0	-2.9	-2.9	0.5	0.5	0.1	9	-8.9
20	5600	vt0	3.5	4.1	2.2	2.6	6.8	9	-2.2
20	5710	vt0	-2.3	-2.3	0.6	0.6	0.7	9	-8.3
30	5490	vt0	-4.2	-4.5	0.4	0.4	-1.3	9	-10.3
30	5600	vt0	6.2	4.9	4.2	3.1	8.6	9	-0.4
30	5705	vt0	-5.3	-4.2	0.3	0.4	-1.7	9	-10.7
40	5495	vf0	-5.5	-5.1	0.3	0.3	-2.3	9	-11.3
40	5600	vf0	5.3	5.3	3.4	3.4	8.3	9	-0.7
40	5700	vf0	-6.1	-5.1	0.2	0.3	-2.6	9	-11.6
50	5500	vf0	-6.4	-6.3	0.2	0.2	-3.3	9	-12.3
50	5600	vf0	5.4	5.3	3.5	3.4	8.4	9	-0.6
50	5695	vf0	-4.9	-4.2	0.3	0.4	-1.5	9	-10.5
60	5505	vf0	-10.6	-10.4	0.1	0.1	-7.5	9	-16.5
60	5600	vf0	5.5	5.5	3.5	3.5	8.5	9	-0.5
60	5690	vf0	-5.8	-5.0	0.3	0.3	-2.4	9	-11.4
80	5515	ve00	-12.9	-15.8	0.1	0.0	-11.1	9	-20.1
80	5600	ve00	-1.9	-1.9	0.6	0.6	1.1	9	-7.9
80	5680	ve00	-6.3	-5.6	0.2	0.3	-2.9	9	-11.9



UNII-2C Output Power for 22 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	0.3	-0.4	1.1	0.9	3.0	8	-5.0
10	5600	vt0	-0.3	0.1	0.9	1.0	2.9	8	-5.1
10	5715	vt0	-0.8	0.1	0.8	1.0	2.7	8	-5.3
20	5485	vt0	-3.9	-3.9	0.4	0.4	-0.9	8	-8.9
20	5600	vt0	2.5	3.1	1.8	2.0	5.8	8	-2.2
20	5710	vt0	-3.3	-3.3	0.5	0.5	-0.3	8	-8.3
30	5490	vt0	-5.2	-5.5	0.3	0.3	-2.3	8	-10.3
30	5600	vt0	5.2	3.9	3.3	2.5	7.6	8	-0.4
30	5705	vt0	-6.3	-5.2	0.2	0.3	-2.7	8	-10.7
40	5495	vf0	-6.5	-6.1	0.2	0.2	-3.3	8	-11.3
40	5600	vf0	4.3	4.3	2.7	2.7	7.3	8	-0.7
40	5700	vf0	-7.1	-6.1	0.2	0.2	-3.6	8	-11.6
50	5500	vf0	-7.4	-7.3	0.2	0.2	-4.3	8	-12.3
50	5600	vf0	4.4	4.3	2.8	2.7	7.4	8	-0.6
50	5695	vf0	-5.9	-5.2	0.3	0.3	-2.5	8	-10.5
60	5505	vf0	-11.6	-11.4	0.1	0.1	-8.5	8	-16.5
60	5600	vf0	4.5	4.5	2.8	2.8	7.5	8	-0.5
60	5690	vf0	-6.8	-6.0	0.2	0.3	-3.4	8	-11.4
80	5515	ve00	-13.9	-16.8	0.0	0.0	-12.1	8	-20.1
80	5600	ve00	-2.9	-2.9	0.5	0.5	0.1	8	-7.9
80	5680	ve00	-7.3	-6.6	0.2	0.2	-3.9	8	-11.9



UNII-2C Output Power for 30 dBi Dish Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	-7.7	-8.4	0.2	0.1	-5.0	0	-5.0
10	5600	vt0	-8.3	-7.9	0.1	0.2	-5.1	0	-5.1
10	5715	vt0	-8.8	-7.9	0.1	0.2	-5.3	0	-5.3
20	5485	vt0	-11.9	-11.9	0.1	0.1	-8.9	0	-8.9
20	5600	vt0	-5.5	-4.9	0.3	0.3	-2.2	0	-2.2
20	5710	vt0	-11.3	-11.3	0.1	0.1	-8.3	0	-8.3
30	5490	vt0	-13.2	-13.5	0.0	0.0	-10.3	0	-10.3
30	5600	vt0	-2.8	-4.1	0.5	0.4	-0.4	0	-0.4
30	5705	vt0	-14.3	-13.2	0.0	0.0	-10.7	0	-10.7
40	5495	vf0	-14.5	-14.1	0.0	0.0	-11.3	0	-11.3
40	5600	vf0	-3.7	-3.7	0.4	0.4	-0.7	0	-0.7
40	5700	vf0	-15.1	-14.1	0.0	0.0	-11.6	0	-11.6
50	5500	vf0	-15.4	-15.3	0.0	0.0	-12.3	0	-12.3
50	5600	vf0	-3.6	-3.7	0.4	0.4	-0.6	0	-0.6
50	5695	vf0	-13.9	-13.2	0.0	0.0	-10.5	0	-10.5
60	5505	vf0	-19.6	-19.4	0.0	0.0	-16.5	0	-16.5
60	5600	vf0	-3.5	-3.5	0.4	0.4	-0.5	0	-0.5
60	5690	vf0	-14.8	-14.0	0.0	0.0	-11.4	0	-11.4
80	5515	ve00	-21.9	-24.8	0.0	0.0	-20.1	0	-20.1
80	5600	ve00	-10.9	-10.9	0.1	0.1	-7.9	0	-7.9
80	5680	ve00	-15.3	-14.6	0.0	0.0	-11.9	0	-11.9



UNII-2C Output Power for 31 dBi Dish Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	-8.7	-9.4	0.1	0.1	-6.0	-1	-5.0
10	5600	vt0	-9.3	-8.9	0.1	0.1	-6.1	-1	-5.1
10	5715	vt0	-9.8	-8.9	0.1	0.1	-6.3	-1	-5.3
20	5485	vt0	-12.9	-12.9	0.1	0.1	-9.9	-1	-8.9
20	5600	vt0	-6.5	-5.9	0.2	0.3	-3.2	-1	-2.2
20	5710	vt0	-12.3	-12.3	0.1	0.1	-9.3	-1	-8.3
30	5490	vt0	-14.2	-14.5	0.0	0.0	-11.3	-1	-10.3
30	5600	vt0	-3.8	-5.1	0.4	0.3	-1.4	-1	-0.4
30	5705	vt0	-15.3	-14.2	0.0	0.0	-11.7	-1	-10.7
40	5495	vf0	-15.5	-15.1	0.0	0.0	-12.3	-1	-11.3
40	5600	vf0	-4.7	-4.7	0.3	0.3	-1.7	-1	-0.7
40	5700	vf0	-16.1	-15.1	0.0	0.0	-12.6	-1	-11.6
50	5500	vf0	-16.4	-16.3	0.0	0.0	-13.3	-1	-12.3
50	5600	vf0	-4.6	-4.7	0.3	0.3	-1.6	-1	-0.6
50	5695	vf0	-14.9	-14.2	0.0	0.0	-11.5	-1	-10.5
60	5505	vf0	-20.6	-20.4	0.0	0.0	-17.5	-1	-16.5
60	5600	vf0	-4.5	-4.5	0.4	0.4	-1.5	-1	-0.5
60	5690	vf0	-15.8	-15.0	0.0	0.0	-12.4	-1	-11.4
80	5515	ve00	-22.9	-25.8	0.0	0.0	-21.1	-1	-20.1
80	5600	ve00	-11.9	-11.9	0.1	0.1	-8.9	-1	-7.9
80	5680	ve00	-16.3	-15.6	0.0	0.0	-12.9	-1	-11.9



UNII-2C Output Power for 34 dBi Dish Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined Output Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5480	vt0	-11.7	-12.4	0.1	0.1	-9.0	-4	-5.0
10	5600	vt0	-12.3	-11.9	0.1	0.1	-9.1	-4	-5.1
10	5715	vt0	-12.8	-11.9	0.1	0.1	-9.3	-4	-5.3
20	5485	vt0	-15.9	-15.9	0.0	0.0	-12.9	-4	-8.9
20	5600	vt0	-9.5	-8.9	0.1	0.1	-6.2	-4	-2.2
20	5710	vt0	-15.3	-15.3	0.0	0.0	-12.3	-4	-8.3
30	5490	vt0	-17.2	-17.5	0.0	0.0	-14.3	-4	-10.3
30	5600	vt0	-6.8	-8.1	0.2	0.2	-4.4	-4	-0.4
30	5705	vt0	-18.3	-17.2	0.0	0.0	-14.7	-4	-10.7
40	5495	vf0	-18.5	-18.1	0.0	0.0	-15.3	-4	-11.3
40	5600	vf0	-7.7	-7.7	0.2	0.2	-4.7	-4	-0.7
40	5700	vf0	-19.1	-18.1	0.0	0.0	-15.6	-4	-11.6
50	5500	vf0	-19.4	-19.3	0.0	0.0	-16.3	-4	-12.3
50	5600	vf0	-7.6	-7.7	0.2	0.2	-4.6	-4	-0.6
50	5695	vf0	-17.9	-17.2	0.0	0.0	-14.5	-4	-10.5
60	5505	vf0	-23.6	-23.4	0.0	0.0	-20.5	-4	-16.5
60	5600	vf0	-7.5	-7.5	0.2	0.2	-4.5	-4	-0.5
60	5690	vf0	-18.8	-18.0	0.0	0.0	-15.4	-4	-11.4
80	5515	ve00	-25.9	-28.8	0.0	0.0	-24.1	-4	-20.1
80	5600	ve00	-14.9	-14.9	0.0	0.0	-11.9	-4	-7.9
80	5680	ve00	-19.3	-18.6	0.0	0.0	-15.9	-4	-11.9