



5.5 Appendix E: POWER SPECTRAL DENSITY MEASUREMENT

5.5.1 Test Result

TestMode	Antenn a	Frequenc y[MHz]	PSD [dBm/MHz]	PSD Limit[dBm/MHz]	EIRP.PSD [dBm/MHz]	EIRP.PSD Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.47	11	9.77	10	PASS
	Ant2	5180	3.24	11	8.54	10	PASS
	Ant1	5200	3.95	11	9.25	10	PASS
	Ant2	5200	3.61	11	8.91	10	PASS
	Ant1	5240	4.35	11	9.65	10	PASS
	Ant2	5240	3.65	11	8.95	10	PASS
11N20MIMO	Ant1	5180	-0.85	8.69	4.45	7.69	PASS
	Ant2	5180	-1.18	8.69	4.12	7.69	PASS
	total	5180	2	8.69	7.3	7.69	PASS
	Ant1	5200	-0.73	8.69	4.57	7.69	PASS
	Ant2	5200	-0.99	8.69	4.31	7.69	PASS
	total	5200	2.15	8.69	7.45	7.69	PASS
	Ant1	5240	-0.92	8.69	4.38	7.69	PASS
	Ant2	5240	-1.19	8.69	4.11	7.69	PASS
	total	5240	1.96	8.69	7.26	7.69	PASS
11N40MIMO	Ant1	5190	-2.14	8.69	3.16	7.69	PASS
	Ant2	5190	-2.28	8.69	3.02	7.69	PASS
	total	5190	0.8	8.69	6.1	7.69	PASS
	Ant1	5230	-2.64	8.69	2.66	7.69	PASS
	Ant2	5230	-2.2	8.69	3.1	7.69	PASS
	total	5230	0.6	8.69	5.9	7.69	PASS
11AC80MIM O	Ant1	5210	-7.03	8.69	-1.73	7.69	PASS
	Ant2	5210	-6.72	8.69	-1.42	7.69	PASS
	total	5210	-3.86	8.69	1.44	7.69	PASS
11AX80MIM O	Ant1	5210	-8.16	8.69	-2.86	7.69	PASS
	Ant2	5210	-7.54	8.69	-2.24	7.69	PASS
	total	5210	-4.83	8.69	0.47	7.69	PASS



TestMode	Antenna	Frequency[MHz]	PSD [dBm/MHz]	PSD Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.47	8.69	PASS
	Ant2	5180	3.24	8.69	PASS
	Ant1	5200	3.95	8.69	PASS
	Ant2	5200	3.61	8.69	PASS
	Ant1	5240	4.35	8.69	PASS
	Ant2	5240	3.65	8.69	PASS
	Ant1	5260	4.74	9.59	PASS
	Ant2	5260	4.68	9.59	PASS
	Ant1	5280	4.66	9.59	PASS
	Ant2	5280	4.59	9.59	PASS
	Ant1	5320	5.34	9.59	PASS
	Ant2	5320	4.85	9.59	PASS
	Ant1	5500	4.97	11.00	PASS
	Ant2	5500	3.17	11.00	PASS
	Ant1	5600	4.29	11.00	PASS
	Ant2	5600	4.50	11.00	PASS
	Ant1	5700	4.05	11.00	PASS
	Ant2	5700	1.26	11.00	PASS
	Ant1	5720_UNII-2C	4.67	11.00	PASS
	Ant2	5720_UNII-2C	0.38	11.00	PASS
	Ant1	5720_UNII-3	0.09	11.00	PASS
	Ant2	5720_UNII-3	-4.17	11.00	PASS
	Ant1	5745	0.44	29.79	PASS
	Ant2	5745	-1.96	29.79	PASS
	Ant1	5785	0.10	29.79	PASS
	Ant2	5785	-1.59	29.79	PASS
	Ant1	5825	-0.47	29.79	PASS
	Ant2	5825	-1.50	29.79	PASS
11N20MIMO	Ant1	5180	-0.85	29.79	PASS
	Ant2	5180	-1.18	8.69	PASS
	total	5180	2.00	8.69	PASS
	Ant1	5200	-0.73	8.69	PASS
	Ant2	5200	-0.99	8.69	PASS
	total	5200	2.15	8.69	PASS
	Ant1	5240	-0.92	8.69	PASS
	Ant2	5240	-1.19	8.69	PASS
	total	5240	1.96	8.69	PASS
	Ant1	5260	4.68	9.59	PASS
	Ant2	5260	4.11	9.59	PASS
	total	5260	7.41	9.59	PASS
	Ant1	5280	3.98	9.59	PASS
	Ant2	5280	3.98	9.59	PASS
	total	5280	6.99	9.59	PASS
	Ant1	5320	0.98	9.59	PASS
	Ant2	5320	1.07	9.59	PASS
	total	5320	4.04	9.59	PASS
	Ant1	5500	1.97	11.00	PASS
	Ant2	5500	0.31	11.00	PASS
	total	5500	4.23	11.00	PASS
	Ant1	5600	1.16	11.00	PASS
	Ant2	5600	1.96	11.00	PASS



11N40MIMO	total	5600	4.59	11.00	PASS
	Ant1	5700	0.81	11.00	PASS
	Ant2	5700	-2.28	11.00	PASS
	total	5700	2.54	11.00	PASS
	Ant1	5720_UNII-2C	0.83	11.00	PASS
	Ant2	5720_UNII-2C	-2.39	11.00	PASS
	total	5720_UNII-2C	2.52	11.00	PASS
	Ant1	5720_UNII-3	-3.65	11.00	PASS
	Ant2	5720_UNII-3	-6.81	11.00	PASS
	total	5720_UNII-3	-1.94	11.00	PASS
	Ant1	5745	-2.58	29.79	PASS
	Ant2	5745	-4.66	29.79	PASS
	total	5745	-0.49	29.79	PASS
	Ant1	5785	-3.03	29.79	PASS
	Ant2	5785	-4.64	29.79	PASS
	total	5785	-0.75	29.79	PASS
	Ant1	5825	-3.51	29.79	PASS
	Ant2	5825	-4.82	29.79	PASS
	total	5825	-1.11	29.79	PASS
	Ant1	5190	-2.14	8.69	PASS
	Ant2	5190	-2.28	8.69	PASS
	total	5190	0.80	8.69	PASS
	Ant1	5230	-2.64	8.69	PASS
	Ant2	5230	-2.20	8.69	PASS
	total	5230	0.60	8.69	PASS
	Ant1	5270	-0.75	9.59	PASS
	Ant2	5270	-2.65	9.59	PASS
	total	5270	1.41	9.59	PASS
	Ant1	5310	-2.42	9.59	PASS
	Ant2	5310	-2.56	9.59	PASS
	total	5310	0.52	9.59	PASS
	Ant1	5510	-1.65	11.00	PASS
	Ant2	5510	-3.28	11.00	PASS
	total	5510	0.62	11.00	PASS
	Ant1	5630	-1.34	11.00	PASS
	Ant2	5630	-0.01	11.00	PASS
	total	5630	2.39	11.00	PASS
	Ant1	5670	-2.16	11.00	PASS
	Ant2	5670	-4.59	11.00	PASS
	total	5670	-0.20	11.00	PASS
	Ant1	5710_UNII-2C	-2.48	11.00	PASS
	Ant2	5710_UNII-2C	-5.31	11.00	PASS
	total	5710_UNII-2C	-0.66	11.00	PASS
	Ant1	5710_UNII-3	-10.02	11.00	PASS
	Ant2	5710_UNII-3	-13.12	11.00	PASS
	total	5710_UNII-3	-8.29	11.00	PASS
	Ant1	5755	-5.52	29.79	PASS
	Ant2	5755	-7.53	29.79	PASS
	total	5755	-3.40	29.79	PASS
	Ant1	5795	-6.28	29.79	PASS
	Ant2	5795	-7.69	29.79	PASS
	total	5795	-3.92	29.79	PASS
11AC80MIMO	Ant1	5210	-7.03	8.69	PASS
	Ant2	5210	-6.72	8.69	PASS



11AX80MIMO	total	5210	-3.86	8.69	PASS
	Ant1	5290	-5.55	9.59	PASS
	Ant2	5290	-6.77	9.59	PASS
	total	5290	-3.11	9.59	PASS
	Ant1	5530	-5.88	11.00	PASS
	Ant2	5530	-6.38	11.00	PASS
	total	5530	-3.11	11.00	PASS
	Ant1	5610	-6.41	11.00	PASS
	Ant2	5610	-6.05	11.00	PASS
	total	5610	-3.22	11.00	PASS
	Ant1	5690_UNII-2C	-6.33	11.00	PASS
	Ant2	5690_UNII-2C	-9.18	11.00	PASS
	total	5690_UNII-2C	-4.51	11.00	PASS
	Ant1	5690_UNII-3	-13.74	11.00	PASS
	Ant2	5690_UNII-3	-16.63	11.00	PASS
	total	5690_UNII-3	-11.94	11.00	PASS
	Ant1	5775	-9.95	29.79	PASS
	Ant2	5775	-11.93	29.79	PASS
	total	5775	-7.82	29.79	PASS
	Ant1	5210	-8.16	8.69	PASS
	Ant2	5210	-7.54	8.69	PASS
	total	5210	-4.83	8.69	PASS
	Ant1	5290	-7.26	9.59	PASS
	Ant2	5290	-8.41	9.59	PASS
	total	5290	-4.79	9.59	PASS
	Ant1	5530	-6.8	11.00	PASS
	Ant2	5530	-7.31	11.00	PASS
	total	5530	-4.04	11.00	PASS
	Ant1	5610	-7.16	11.00	PASS
	Ant2	5610	-7.01	11.00	PASS
	total	5610	-4.07	11.00	PASS
	Ant1	5690_UNII-2C	-7.23	11.00	PASS
	Ant2	5690_UNII-2C	-10.03	11.00	PASS
	total	5690_UNII-2C	-5.40	11.00	PASS
	Ant1	5690_UNII-3	-14.67	11.00	PASS
	Ant2	5690_UNII-3	-17.5	11.00	PASS
	total	5690_UNII-3	-12.85	11.00	PASS
	Ant1	5775	-10.82	29.79	PASS
	Ant2	5775	-12.58	29.79	PASS
	total	5775	-8.60	29.79	PASS

5.5.2 Test Graphs































































