















13.4. Appendix B: Maximum Average conducted output power

13.4.1. Test Result

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	14.26	23.98	---	19.93	22.23	PASS
	Ant2	5180	14.59	23.98	---	14.23	22.24	PASS
	Ant1	5200	14.33	23.98	---	20.00	22.22	PASS
	Ant2	5200	14.54	23.98	---	14.18	22.22	PASS
	Ant1	5240	14.18	23.98	---	19.85	22.21	PASS
	Ant2	5240	14.72	23.98	---	14.36	22.23	PASS
	Ant1	5260	17.77	23.98	23.22	23.44	29.22	PASS
	Ant2	5260	18.61	23.98	23.22	18.25	29.22	PASS
	Ant1	5280	17.65	23.98	23.24	23.32	29.24	PASS
	Ant2	5280	18.73	23.98	23.24	18.37	29.24	PASS
	Ant1	5320	17.34	23.98	23.21	22.64	29.21	PASS
	Ant2	5320	18.60	23.98	23.22	18.24	29.22	PASS
	Ant1	5500	15.18	23.98	23.25	20.85	29.25	PASS
	Ant2	5500	17.85	23.98	23.24	17.49	29.24	PASS
	Ant1	5580	16.07	23.98	23.24	21.74	29.24	PASS
	Ant2	5580	18.58	23.98	23.25	18.22	29.25	PASS
	Ant1	5700	17.13	23.98	23.22	22.80	29.22	PASS
	Ant2	5700	18.23	23.98	23.23	17.87	29.23	PASS
	Ant1	5745	17.46	30	30	23.13	---	PASS
	Ant2	5745	17.66	30	30	17.30	---	PASS
	Ant1	5785	17.86	30	30	23.53	---	PASS
	Ant2	5785	17.92	30	30	17.56	---	PASS
	Ant1	5825	17.76	30	30	23.43	---	PASS
	Ant2	5825	17.47	30	30	17.11	---	PASS
11N20MIMO	Ant1	5180	11.04	23.80	---	17.22	22.51	PASS
	Ant2	5180	11.19	23.80	---	17.37	22.54	PASS
	total	5180	14.1	23.80	---	20.31	22.54	PASS
	Ant1	5200	10.65	23.80	---	16.83	22.53	PASS
	Ant2	5200	10.92	23.80	---	17.10	22.53	PASS
	total	5200	13.8	23.80	---	19.98	22.53	PASS
	Ant1	5240	10.67	23.80	---	16.85	22.51	PASS
	Ant2	5240	11.31	23.80	---	17.49	22.53	PASS
	total	5240	14.0	23.80	---	20.19	22.53	PASS
	Ant1	5260	16.58	23.80	23.54	22.76	29.54	PASS
	Ant2	5260	17.84	23.80	23.52	24.02	29.52	PASS
	total	5260	20.3	23.80	23.52	26.45	29.52	PASS
	Ant1	5280	16.71	23.80	23.51	22.89	29.51	PASS
	Ant2	5280	17.80	23.80	23.50	23.98	29.50	PASS
	total	5280	20.3	23.80	23.50	26.48	29.50	PASS
	Ant1	5320	15.78	23.80	23.52	21.96	29.52	PASS
	Ant2	5320	17.67	23.80	23.53	23.85	29.53	PASS
	total	5320	19.8	23.80	23.53	26.02	29.53	PASS
	Ant1	5500	14.21	23.80	23.53	20.39	29.53	PASS
	Ant2	5500	16.99	23.80	23.52	23.17	29.52	PASS
	total	5500	18.8	23.80	23.52	25.01	29.52	PASS
	Ant1	5580	15.14	23.80	23.50	21.32	29.50	PASS
	Ant2	5580	17.52	23.80	23.54	23.70	29.54	PASS
	total	5580	19.5	23.80	23.54	25.68	29.54	PASS
	Ant1	5700	16.18	23.80	23.52	22.36	29.52	PASS
	Ant2	5700	17.42	23.80	23.52	23.60	29.52	PASS
	total	5700	19.9	23.80	23.52	26.03	29.52	PASS
	Ant1	5745	16.30	29.82	29.82	22.48	---	PASS

11N40MIMO	Ant2	5745	16.61	29.82	29.82	22.79	---	PASS
	total	5745	19.5	29.82	29.82	25.65	---	PASS
	Ant1	5785	16.70	29.82	29.82	22.88	---	PASS
	Ant2	5785	17.03	29.82	29.82	23.21	---	PASS
	total	5785	19.9	29.82	29.82	26.06	---	PASS
	Ant1	5825	16.67	29.82	29.82	22.85	---	PASS
	Ant2	5825	16.48	29.82	29.82	22.66	---	PASS
	total	5825	19.6	29.82	29.82	25.77	---	PASS
	Ant1	5190	13.14	23.80	---	19.32	23	PASS
	Ant2	5190	13.60	23.80	---	19.78	23	PASS
	total	5190	16.4	23.80	---	22.57	23	PASS
	Ant1	5230	12.76	23.80	---	18.94	23	PASS
	Ant2	5230	13.70	23.80	---	19.88	23	PASS
	total	5230	16.3	23.80	---	22.45	23	PASS
	Ant1	5270	17.13	23.80	23.98	23.31	30	PASS
	Ant2	5270	18.50	23.80	23.98	24.68	30	PASS
	total	5270	20.9	23.80	23.98	27.06	30	PASS
	Ant1	5310	16.51	23.80	23.98	22.69	30	PASS
	Ant2	5310	18.39	23.80	23.98	24.57	30	PASS
	total	5310	20.6	23.80	23.98	26.74	30	PASS
	Ant1	5510	14.66	23.80	23.98	20.84	30	PASS
	Ant2	5510	17.59	23.80	23.98	23.77	30	PASS
	total	5510	19.4	23.80	23.98	25.56	30	PASS
	Ant1	5550	15.36	23.80	23.98	21.54	30	PASS
	Ant2	5550	18.16	23.80	23.98	24.34	30	PASS
	total	5550	20.0	23.80	23.98	26.17	30	PASS
	Ant1	5670	16.52	23.80	23.98	22.70	30	PASS
	Ant2	5670	17.81	23.80	23.98	23.99	30	PASS
	total	5670	20.2	23.80	23.98	26.40	30	PASS
	Ant1	5755	17.41	29.82	29.82	23.59	---	PASS
	Ant2	5755	17.52	29.82	29.82	23.70	---	PASS
	total	5755	20.5	29.82	29.82	26.66	---	PASS
	Ant1	5795	17.37	29.82	29.82	23.55	---	PASS
	Ant2	5795	17.40	29.82	29.82	23.58	---	PASS
	total	5795	20.4	29.82	29.82	26.58	---	PASS
11AC20MIMO	Ant1	5180	10.69	23.80	---	16.87	22.53	PASS
	Ant2	5180	10.84	23.80	---	17.02	22.54	PASS
	total	5180	13.8	23.80	---	19.96	22.54	PASS
	Ant1	5200	10.32	23.80	---	16.50	22.53	PASS
	Ant2	5200	10.88	23.80	---	17.06	22.51	PASS
	total	5200	13.6	23.80	---	19.80	22.51	PASS
	Ant1	5240	10.32	23.80	---	16.50	22.52	PASS
	Ant2	5240	11.42	23.80	---	17.60	22.53	PASS
	total	5240	13.9	23.80	---	20.10	22.53	PASS
	Ant1	5260	16.44	23.80	23.50	22.62	29.50	PASS
	Ant2	5260	17.01	23.80	23.51	23.19	29.51	PASS
	total	5260	19.7	23.80	23.51	25.92	29.51	PASS
	Ant1	5280	15.81	23.80	23.53	21.99	29.53	PASS
	Ant2	5280	17.25	23.80	23.52	23.43	29.52	PASS
	total	5280	19.6	23.80	23.52	25.78	29.52	PASS
	Ant1	5320	15.17	23.80	23.53	21.35	29.53	PASS
	Ant2	5320	17.04	23.80	23.51	23.22	29.51	PASS
	total	5320	19.2	23.80	23.51	25.40	29.51	PASS
	Ant1	5500	13.85	23.80	23.51	20.03	29.51	PASS
	Ant2	5500	16.35	23.80	23.53	22.53	29.53	PASS
	total	5500	18.29	23.80	23.53	24.49	29.53	PASS
	Ant1	5580	14.67	23.80	23.52	20.85	29.52	PASS
	Ant2	5580	17.02	23.80	23.52	23.20	29.52	PASS
	total	5580	19.0	23.80	23.52	25.19	29.52	PASS
	Ant1	5700	15.77	23.80	23.51	21.95	29.51	PASS
	Ant2	5700	16.78	23.80	23.52	22.96	29.52	PASS

11AC40MIMO	total	5700	19.3	23.80	23.52	25.49	29.52	PASS
	Ant1	5745	16.06	29.82	29.82	22.24	---	PASS
	Ant2	5745	16.25	29.82	29.82	22.43	---	PASS
	total	5745	19.2	29.82	29.82	25.35	---	PASS
	Ant1	5785	16.28	29.82	29.82	22.46	---	PASS
	Ant2	5785	16.46	29.82	29.82	22.64	---	PASS
	total	5785	19.4	29.82	29.82	25.56	---	PASS
	Ant1	5825	16.17	29.82	29.82	22.35	---	PASS
	Ant2	5825	15.88	29.82	29.82	22.06	---	PASS
	total	5825	19.0	29.82	29.82	25.22	---	PASS
	Ant1	5190	13.08	23.80	---	19.26	23	PASS
	Ant2	5190	13.56	23.80	---	19.74	23	PASS
	total	5190	16.3	23.80	---	22.52	23	PASS
	Ant1	5230	12.87	23.80	---	19.05	23	PASS
	Ant2	5230	13.62	23.80	---	19.80	23	PASS
	total	5230	16.3	23.80	---	22.45	23	PASS
	Ant1	5270	15.66	23.80	23.98	21.84	30	PASS
	Ant2	5270	16.77	23.80	23.98	22.95	30	PASS
	total	5270	19.3	23.80	23.98	25.44	30	PASS
	Ant1	5310	14.97	23.80	23.98	21.15	30	PASS
	Ant2	5310	16.68	23.80	23.98	22.86	30	PASS
	total	5310	18.9	23.80	23.98	25.10	30	PASS
	Ant1	5510	12.93	23.80	23.98	19.11	30	PASS
	Ant2	5510	15.64	23.80	23.98	21.82	30	PASS
	total	5510	17.5	23.80	23.98	23.68	30	PASS
	Ant1	5550	13.61	23.80	23.98	19.79	30	PASS
	Ant2	5550	16.44	23.80	23.98	22.62	30	PASS
	total	5550	18.3	23.80	23.98	24.44	30	PASS
	Ant1	5670	14.70	23.80	23.98	20.88	30	PASS
	Ant2	5670	16.08	23.80	23.98	22.26	30	PASS
	total	5670	18.5	23.80	23.98	24.63	30	PASS
	Ant1	5755	15.70	29.82	29.82	21.88	---	PASS
	Ant2	5755	15.88	29.82	29.82	22.06	---	PASS
	total	5755	18.8	29.82	29.82	24.98	---	PASS
	Ant1	5795	15.93	29.82	29.82	22.11	---	PASS
	Ant2	5795	15.91	29.82	29.82	22.09	---	PASS
	total	5795	18.9	29.82	29.82	25.11	---	PASS
11AC80MIMO	Ant1	5210	12.65	23.80	---	18.83	23	PASS
	Ant2	5210	13.23	23.80	---	19.41	23	PASS
	total	5210	16.0	23.80	---	22.14	23	PASS
	Ant1	5290	12.17	23.80	23.98	18.35	30	PASS
	Ant2	5290	13.47	23.80	23.98	19.65	30	PASS
	total	5290	15.9	23.80	23.98	22.06	30	PASS
	Ant1	5530	13.25	23.80	23.98	19.43	30	PASS
	Ant2	5530	16.09	23.80	23.98	22.27	30	PASS
	total	5530	17.9	23.80	23.98	24.09	30	PASS
	Ant1	5610	13.96	23.80	23.98	20.14	30	PASS
	Ant2	5610	16.04	23.80	23.98	22.22	30	PASS
	total	5610	18.1	23.80	23.98	24.31	30	PASS
	Ant1	5775	15.59	29.82	29.82	21.77	---	PASS
	Ant2	5775	15.66	29.82	29.82	21.84	---	PASS
	total	5775	18.6	29.82	29.82	24.82	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

13.5. Appendix C: Maximum Average power spectral density

13.5.1. Test Result

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.77	<=11	9.44	<=10	PASS
	Ant2	5180	3.97	<=11	3.61	<=10	PASS
	Ant1	5200	4.02	<=11	9.69	<=10	PASS
	Ant2	5200	3.99	<=11	3.63	<=10	PASS
	Ant1	5240	3.78	<=11	9.45	<=10	PASS
	Ant2	5240	4.35	<=11	3.99	<=10	PASS
	Ant1	5260	7.46	<=11	---	<---	PASS
	Ant2	5260	8.28	<=11	---	<---	PASS
	Ant1	5280	7.21	<=11	---	<---	PASS
	Ant2	5280	8.15	<=11	---	<---	PASS
	Ant1	5320	6.59	<=11	---	<---	PASS
	Ant2	5320	8.22	<=11	---	<---	PASS
	Ant1	5500	4.76	<=11	---	<---	PASS
	Ant2	5500	7.54	<=11	---	<---	PASS
	Ant1	5580	5.79	<=11	---	<---	PASS
	Ant2	5580	8.27	<=11	---	<---	PASS
	Ant1	5700	6.92	<=11	---	<---	PASS
	Ant2	5700	7.7	<=11	---	<---	PASS
	Ant1	5745	4.22	<=30	---	<---	PASS
	Ant2	5745	4.21	<=30	---	<---	PASS
	Ant1	5785	4.64	<=30	---	<---	PASS
	Ant2	5785	4.45	<=30	---	<---	PASS
	Ant1	5825	4.64	<=30	---	<---	PASS
	Ant2	5825	4.25	<=30	---	<---	PASS
11N20MIMO	Ant1	5180	0.39	<=10.82	6.57	<=10	PASS
	Ant2	5180	0.44	<=10.82	6.62	<=10	PASS
	total	5180	3.43	<=10.82	9.61	<=10	PASS
	Ant1	5200	0.09	<=10.82	6.27	<=10	PASS
	Ant2	5200	0.2	<=10.82	6.38	<=10	PASS
	total	5200	3.16	<=10.82	9.34	<=10	PASS
	Ant1	5240	0.22	<=10.82	6.40	<=10	PASS
	Ant2	5240	0.44	<=10.82	6.62	<=10	PASS
	total	5240	3.34	<=10.82	9.52	<=10	PASS
	Ant1	5260	5.68	<=10.82	---	<---	PASS
	Ant2	5260	7.16	<=10.82	---	<---	PASS
	total	5260	9.49	<=10.82	---	---	PASS
	Ant1	5280	6.36	<=10.82	---	<---	PASS
	Ant2	5280	7.06	<=10.82	---	<---	PASS
	total	5280	9.73	<=10.82	---	---	PASS
	Ant1	5320	5.04	<=10.82	---	<---	PASS
	Ant2	5320	7.07	<=10.82	---	<---	PASS
	total	5320	9.18	<=10.82	---	---	PASS
	Ant1	5500	3.55	<=10.82	---	<---	PASS
	Ant2	5500	6.16	<=10.82	---	<---	PASS
	total	5500	8.06	<=10.82	---	---	PASS
	Ant1	5580	4.89	<=10.82	---	<---	PASS
	Ant2	5580	6.84	<=10.82	---	<---	PASS
	total	5580	8.98	<=10.82	---	---	PASS
	Ant1	5700	5.54	<=10.82	---	<---	PASS
	Ant2	5700	6.48	<=10.82	---	<---	PASS
	total	5700	9.05	<=10.82	---	---	PASS
	Ant1	5745	2.5	<=29.82	---	<---	PASS
	Ant2	5745	3.08	<=29.82	---	<---	PASS
	total	5745	5.81	<=29.82	---	---	PASS
	Ant1	5785	2.95	<=29.82	---	<---	PASS

	Ant2	5785	3.71	<=29.82	---	<---	PASS
	total	5785	6.36	<=29.82	---	---	PASS
	Ant1	5825	3.44	<=29.82	---	<---	PASS
	Ant2	5825	2.85	<=29.82	---	<---	PASS
	total	5825	6.17	<=29.82	---	---	PASS
11N40MIMO	Ant1	5190	-0.18	<=10.82	6.00	<=10	PASS
	Ant2	5190	-0.15	<=10.82	6.03	<=10	PASS
	total	5190	2.85	<=10.82	9.03	<=10	PASS
	Ant1	5230	-1.27	<=10.82	4.91	<=10	PASS
	Ant2	5230	0.11	<=10.82	6.29	<=10	PASS
	total	5230	2.48	<=10.82	8.66	<=10	PASS
	Ant1	5270	3.59	<=10.82	---	<---	PASS
	Ant2	5270	4.85	<=10.82	---	<---	PASS
	total	5270	7.28	<=10.82	---	---	PASS
	Ant1	5310	2.93	<=10.82	---	<---	PASS
	Ant2	5310	4.68	<=10.82	---	<---	PASS
	total	5310	6.90	<=10.82	---	---	PASS
	Ant1	5510	0.99	<=10.82	---	<---	PASS
	Ant2	5510	3.62	<=10.82	---	<---	PASS
	total	5510	5.51	<=10.82	---	---	PASS
	Ant1	5550	1.64	<=10.82	---	<---	PASS
	Ant2	5550	4.58	<=10.82	---	<---	PASS
	total	5550	6.36	<=10.82	---	---	PASS
	Ant1	5670	2.92	<=10.82	---	<---	PASS
	Ant2	5670	4.25	<=10.82	---	<---	PASS
	total	5670	6.65	<=10.82	---	---	PASS
	Ant1	5755	1.17	<=29.82	---	<---	PASS
	Ant2	5755	0.98	<=29.82	---	<---	PASS
	total	5755	4.09	<=29.82	---	---	PASS
	Ant1	5795	1.57	<=29.82	---	<---	PASS
	Ant2	5795	1.02	<=29.82	---	<---	PASS
	total	5795	4.31	<=29.82	---	---	PASS
11AC20MIMO	Ant1	5180	0.17	<=10.82	6.35	<=10	PASS
	Ant2	5180	0	<=10.82	6.18	<=10	PASS
	total	5180	3.10	<=10.82	9.28	<=10	PASS
	Ant1	5200	0.39	<=10.82	6.57	<=10	PASS
	Ant2	5200	0.3	<=10.82	6.48	<=10	PASS
	total	5200	3.36	<=10.82	9.54	<=10	PASS
	Ant1	5240	-0.84	<=10.82	5.34	<=10	PASS
	Ant2	5240	0.77	<=10.82	6.95	<=10	PASS
	total	5240	3.05	<=10.82	9.23	<=10	PASS
	Ant1	5260	6.21	<=10.82	---	<---	PASS
	Ant2	5260	6.55	<=10.82	---	<---	PASS
	total	5260	9.39	<=10.82	---	---	PASS
	Ant1	5280	4.98	<=10.82	---	<---	PASS
	Ant2	5280	6.36	<=10.82	---	<---	PASS
11AC80MIMO	total	5280	8.73	<=10.82	---	---	PASS
	Ant1	5210	-4.09	<=10.82	2.09	<=10	PASS
	Ant2	5210	-3.24	<=10.82	2.94	<=10	PASS
	total	5210	-0.63	<=10.82	5.55	<=10	PASS
	Ant1	5290	-4.32	<=10.82	---	<---	PASS
	Ant2	5290	-3.45	<=10.82	---	<---	PASS
	total	5290	-0.85	<=10.82	---	---	PASS
	Ant1	5530	-3.67	<=10.82	---	<---	PASS
	Ant2	5530	-0.34	<=10.82	---	<---	PASS
	total	5530	1.32	<=10.82	---	---	PASS
	Ant1	5610	-2.17	<=10.82	---	<---	PASS
	Ant2	5610	-0.44	<=10.82	---	<---	PASS
	total	5610	1.79	<=10.82	---	---	PASS
	Ant1	5775	-3.8	<=29.82	---	<---	PASS
	Ant2	5775	-3.82	<=29.82	---	<---	PASS

	total	5775	-0.80	<=29.82	---	---	PASS
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Note : 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

13.5.2. Test Graphs















































































