

























Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	10.32	98.12	0.08	10.40	≤23.98	PASS
11A	Ant2	5180	---	10.03	97.65	0.10	10.13	≤23.98	PASS
11A	Ant1	5220	---	10.26	97.66	0.10	10.36	≤23.98	PASS
11A	Ant2	5220	---	10.27	97.66	0.10	10.37	≤23.98	PASS
11A	Ant1	5240	---	10.19	97.66	0.10	10.29	≤23.98	PASS
11A	Ant2	5240	---	10.42	97.66	0.10	10.52	≤23.98	PASS
11A	Ant1	5745	---	11.03	97.66	0.10	11.13	≤30.00	PASS
11A	Ant2	5745	---	11.03	97.66	0.10	11.13	≤30.00	PASS
11A	Ant1	5785	---	10.83	97.66	0.10	10.93	≤30.00	PASS
11A	Ant2	5785	---	10.99	98.12	0.08	11.07	≤30.00	PASS
11A	Ant1	5825	---	10.58	97.66	0.10	10.68	≤30.00	PASS
11A	Ant2	5825	---	10.89	97.66	0.10	10.99	≤30.00	PASS
11N20MIMO	Ant1	5180	---	6.40	99.37	0.03	6.43	≤23.98	PASS
11N20MIMO	Ant2	5180	---	6.38	99.37	0.03	6.41	≤23.98	PASS
11N20MIMO	total	5180	---	---	---	---	9.43	≤23.98	PASS
11N20MIMO	Ant1	5220	---	6.35	99.37	0.03	6.38	≤23.98	PASS
11N20MIMO	Ant2	5220	---	6.55	99.37	0.03	6.58	≤23.98	PASS
11N20MIMO	total	5220	---	---	---	---	9.49	≤23.98	PASS
11N20MIMO	Ant1	5240	---	6.24	99.37	0.03	6.27	≤23.98	PASS
11N20MIMO	Ant2	5240	---	6.60	99.37	0.03	6.63	≤23.98	PASS
11N20MIMO	total	5240	---	---	---	---	9.46	≤23.98	PASS
11N20MIMO	Ant1	5745	---	6.05	99.50	0.02	6.07	≤30.00	PASS
11N20MIMO	Ant2	5745	---	6.75	99.37	0.03	6.78	≤30.00	PASS
11N20MIMO	total	5745	---	---	---	---	9.45	≤30.00	PASS
11N20MIMO	Ant1	5785	---	6.74	99.50	0.02	6.76	≤30.00	PASS
11N20MIMO	Ant2	5785	---	6.92	99.37	0.03	6.95	≤30.00	PASS
11N20MIMO	total	5785	---	---	---	---	9.87	≤30.00	PASS
11N20MIMO	Ant1	5825	---	6.58	99.37	0.03	6.61	≤30.00	PASS
11N20MIMO	Ant2	5825	---	6.99	99.37	0.03	7.02	≤30.00	PASS
11N20MIMO	total	5825	---	---	---	---	9.83	≤30.00	PASS
11N40MIMO	Ant1	5190	---	6.62	99.37	0.03	6.65	≤23.98	PASS
11N40MIMO	Ant2	5190	---	6.70	99.37	0.03	6.73	≤23.98	PASS
11N40MIMO	total	5190	---	---	---	---	9.70	≤23.98	PASS

11N40MIMO	Ant1	5230	---	6.59	99.37	0.03	6.62	≤23.98	PASS
11N40MIMO	Ant2	5230	---	6.87	99.37	0.03	6.90	≤23.98	PASS
11N40MIMO	total	5230	---	---	---	---	9.77	≤23.98	PASS
11N40MIMO	Ant1	5755	---	6.48	99.50	0.02	6.50	≤30.00	PASS
11N40MIMO	Ant2	5755	---	7.26	99.50	0.02	7.28	≤30.00	PASS
11N40MIMO	total	5755	---	---	---	---	9.92	≤30.00	PASS
11N40MIMO	Ant1	5795	---	6.48	99.37	0.03	6.51	≤30.00	PASS
11N40MIMO	Ant2	5795	---	7.27	99.37	0.03	7.30	≤30.00	PASS
11N40MIMO	total	5795	---	---	---	---	9.93	≤30.00	PASS
11AC20MIMO	Ant1	5180	---	6.29	99.05	0.04	6.33	≤23.98	PASS
11AC20MIMO	Ant2	5180	---	6.45	98.81	0.05	6.50	≤23.98	PASS
11AC20MIMO	total	5180	---	---	---	---	9.43	≤23.98	PASS
11AC20MIMO	Ant1	5220	---	6.33	98.81	0.05	6.38	≤23.98	PASS
11AC20MIMO	Ant2	5220	---	6.66	98.81	0.05	6.71	≤23.98	PASS
11AC20MIMO	total	5220	---	---	---	---	9.56	≤23.98	PASS
11AC20MIMO	Ant1	5240	---	6.31	98.81	0.05	6.36	≤23.98	PASS
11AC20MIMO	Ant2	5240	---	6.68	98.81	0.05	6.73	≤23.98	PASS
11AC20MIMO	total	5240	---	---	---	---	9.56	≤23.98	PASS
11AC20MIMO	Ant1	5745	---	6.37	98.81	0.05	6.42	≤30.00	PASS
11AC20MIMO	Ant2	5745	---	7.25	98.81	0.05	7.30	≤30.00	PASS
11AC20MIMO	total	5745	---	---	---	---	9.89	≤30.00	PASS
11AC20MIMO	Ant1	5785	---	6.39	98.81	0.05	6.44	≤30.00	PASS
11AC20MIMO	Ant2	5785	---	7.21	98.81	0.05	7.26	≤30.00	PASS
11AC20MIMO	total	5785	---	---	---	---	9.88	≤30.00	PASS
11AC20MIMO	Ant1	5825	---	6.35	98.81	0.05	6.40	≤30.00	PASS
11AC20MIMO	Ant2	5825	---	7.09	99.05	0.04	7.13	≤30.00	PASS
11AC20MIMO	total	5825	---	---	---	---	9.79	≤30.00	PASS
11AC40MIMO	Ant1	5190	---	6.18	97.58	0.11	6.29	≤23.98	PASS
11AC40MIMO	Ant2	5190	---	6.26	97.12	0.13	6.39	≤23.98	PASS
11AC40MIMO	total	5190	---	---	---	---	9.35	≤23.98	PASS
11AC40MIMO	Ant1	5230	---	6.15	97.58	0.11	6.26	≤23.98	PASS
11AC40MIMO	Ant2	5230	---	6.50	97.58	0.11	6.61	≤23.98	PASS
11AC40MIMO	total	5230	---	---	---	---	9.45	≤23.98	PASS
11AC40MIMO	Ant1	5755	---	6.27	97.58	0.11	6.38	≤30.00	PASS
11AC40MIMO	Ant2	5755	---	7.14	97.58	0.11	7.25	≤30.00	PASS
11AC40MIMO	total	5755	---	---	---	---	9.85	≤30.00	PASS
11AC40MIMO	Ant1	5795	---	6.25	97.58	0.11	6.36	≤30.00	PASS
11AC40MIMO	Ant2	5795	---	7.14	97.58	0.11	7.25	≤30.00	PASS
11AC40MIMO	total	5795	---	---	---	---	9.84	≤30.00	PASS
11AC80MIMO	Ant1	5210	---	6.57	95.05	0.22	6.79	≤23.98	PASS

11AC80MIMO	Ant2	5210	---	6.64	94.06	0.27	6.91	≤23.98	PASS
11AC80MIMO	total	5210	---	---	---	---	9.86	≤23.98	PASS
11AC80MIMO	Ant1	5775	---	6.15	95.00	0.22	6.37	≤30.00	PASS
11AC80MIMO	Ant2	5775	---	7.05	95.00	0.22	7.27	≤30.00	PASS
11AC80MIMO	total	5775	---	---	---	---	9.85	≤30.00	PASS
11AX20MIMO	Ant1	5180	---	6.84	97.58	0.11	6.95	≤23.98	PASS
11AX20MIMO	Ant2	5180	---	6.82	96.99	0.13	6.95	≤23.98	PASS
11AX20MIMO	total	5180	---	---	---	---	9.96	≤23.98	PASS
11AX20MIMO	Ant1	5220	---	6.26	96.97	0.13	6.39	≤23.98	PASS
11AX20MIMO	Ant2	5220	---	6.67	96.97	0.13	6.80	≤23.98	PASS
11AX20MIMO	total	5220	---	---	---	---	9.61	≤23.98	PASS
11AX20MIMO	Ant1	5240	---	6.18	96.99	0.13	6.31	≤23.98	PASS
11AX20MIMO	Ant2	5240	---	6.67	96.97	0.13	6.80	≤23.98	PASS
11AX20MIMO	total	5240	---	---	---	---	9.57	≤23.98	PASS
11AX20MIMO	Ant2	5745	---	7.16	96.99	0.13	7.29	≤30.00	PASS
11AX20MIMO	total	5745	---	---	---	---	9.91	≤30.00	PASS
11AX20MIMO	Ant1	5745	---	6.33	96.99	0.13	6.46	≤30.00	PASS
11AX20MIMO	Ant1	5785	---	6.19	96.99	0.13	6.32	≤30.00	PASS
11AX20MIMO	Ant2	5785	---	7.15	97.58	0.11	7.26	≤30.00	PASS
11AX20MIMO	total	5785	---	---	---	---	9.83	≤30.00	PASS
11AX20MIMO	Ant1	5825	---	6.18	96.99	0.13	6.31	≤30.00	PASS
11AX20MIMO	Ant2	5825	---	7.02	96.97	0.13	7.15	≤30.00	PASS
11AX20MIMO	total	5825	---	---	---	---	9.76	≤30.00	PASS
11AX40MIMO	Ant1	5190	---	5.98	93.26	0.30	6.28	≤23.98	PASS
11AX40MIMO	Ant2	5190	---	6.11	94.32	0.25	6.36	≤23.98	PASS
11AX40MIMO	total	5190	---	---	---	---	9.33	≤23.98	PASS
11AX40MIMO	Ant1	5230	---	5.85	94.32	0.25	6.10	≤23.98	PASS
11AX40MIMO	Ant2	5230	---	6.29	94.32	0.25	6.54	≤23.98	PASS
11AX40MIMO	total	5230	---	---	---	---	9.34	≤23.98	PASS
11AX40MIMO	Ant1	5755	---	5.89	94.38	0.25	6.14	≤30.00	PASS
11AX40MIMO	Ant2	5755	---	6.79	94.32	0.25	7.04	≤30.00	PASS
11AX40MIMO	total	5755	---	---	---	---	9.62	≤30.00	PASS
11AX40MIMO	Ant1	5795	---	5.91	94.32	0.25	6.16	≤30.00	PASS
11AX40MIMO	Ant2	5795	---	6.75	94.38	0.25	7.00	≤30.00	PASS
11AX40MIMO	total	5795	---	---	---	---	9.61	≤30.00	PASS
11AX80MIMO	Ant1	5210	---	5.51	87.50	0.58	6.09	≤23.98	PASS
11AX80MIMO	Ant2	5210	---	5.84	87.50	0.58	6.42	≤23.98	PASS
11AX80MIMO	total	5210	---	---	---	---	9.27	≤23.98	PASS
11AX80MIMO	Ant1	5775	---	5.68	89.58	0.48	6.16	≤30.00	PASS
11AX80MIMO	Ant2	5775	---	6.53	89.36	0.49	7.02	≤30.00	PASS

11AX80MIMO	total	5775	---	---	---	---	9.62	≤30.00	PASS
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Note: The Duty Cycle Factor is compensated in the graph.



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.19	≤11.00	PASS
11A	Ant2	5180	-2.49	≤11.00	PASS
11A	Ant1	5220	-1.93	≤11.00	PASS
11A	Ant2	5220	-2.13	≤11.00	PASS
11A	Ant1	5240	-1.82	≤11.00	PASS
11A	Ant2	5240	-2.14	≤11.00	PASS
11A	Ant1	5745	-2.30	≤30.00	PASS
11A	Ant2	5745	-4.96	≤30.00	PASS
11A	Ant1	5785	-2.76	≤30.00	PASS
11A	Ant2	5785	-4.46	≤30.00	PASS
11A	Ant1	5825	-3.26	≤30.00	PASS
11A	Ant2	5825	-4.77	≤30.00	PASS
11N20MIMO	Ant1	5180	-7.02	≤11.00	PASS
11N20MIMO	Ant2	5180	-7.73	≤11.00	PASS
11N20MIMO	total	5180	-4.35	≤11.00	PASS
11N20MIMO	Ant1	5220	-7.43	≤11.00	PASS
11N20MIMO	Ant2	5220	-7.52	≤11.00	PASS
11N20MIMO	total	5220	-4.46	≤11.00	PASS
11N20MIMO	Ant1	5240	-7.58	≤11.00	PASS
11N20MIMO	Ant2	5240	-7.19	≤11.00	PASS
11N20MIMO	total	5240	-4.37	≤11.00	PASS
11N20MIMO	Ant1	5745	-9.10	≤30.00	PASS
11N20MIMO	Ant2	5745	-10.63	≤30.00	PASS
11N20MIMO	total	5745	-6.79	≤30.00	PASS
11N20MIMO	Ant1	5785	-8.28	≤30.00	PASS
11N20MIMO	Ant2	5785	-9.78	≤30.00	PASS
11N20MIMO	total	5785	-5.96	≤30.00	PASS
11N20MIMO	Ant1	5825	-9.05	≤30.00	PASS
11N20MIMO	Ant2	5825	-10.12	≤30.00	PASS
11N20MIMO	total	5825	-6.54	≤30.00	PASS
11N40MIMO	Ant1	5190	-10.00	≤11.00	PASS
11N40MIMO	Ant2	5190	-10.62	≤11.00	PASS
11N40MIMO	total	5190	-7.29	≤11.00	PASS
11N40MIMO	Ant1	5230	-10.37	≤11.00	PASS
11N40MIMO	Ant2	5230	-10.32	≤11.00	PASS

11N40MIMO	total	5230	-7.33	≤11.00	PASS
11N40MIMO	Ant1	5755	-12.14	≤30.00	PASS
11N40MIMO	Ant2	5755	-13.03	≤30.00	PASS
11N40MIMO	total	5755	-9.55	≤30.00	PASS
11N40MIMO	Ant1	5795	-12.01	≤30.00	PASS
11N40MIMO	Ant2	5795	-12.75	≤30.00	PASS
11N40MIMO	total	5795	-9.35	≤30.00	PASS
11AC20MIMO	Ant1	5180	-7.68	≤11.00	PASS
11AC20MIMO	Ant2	5180	-8.43	≤11.00	PASS
11AC20MIMO	total	5180	-5.03	≤11.00	PASS
11AC20MIMO	Ant1	5220	-8.28	≤11.00	PASS
11AC20MIMO	Ant2	5220	-8.11	≤11.00	PASS
11AC20MIMO	total	5220	-5.18	≤11.00	PASS
11AC20MIMO	Ant1	5240	-8.02	≤11.00	PASS
11AC20MIMO	Ant2	5240	-8.00	≤11.00	PASS
11AC20MIMO	total	5240	-5.00	≤11.00	PASS
11AC20MIMO	Ant1	5745	-9.52	≤30.00	PASS
11AC20MIMO	Ant2	5745	-10.70	≤30.00	PASS
11AC20MIMO	total	5745	-7.06	≤30.00	PASS
11AC20MIMO	Ant1	5785	-9.90	≤30.00	PASS
11AC20MIMO	Ant2	5785	-10.34	≤30.00	PASS
11AC20MIMO	total	5785	-7.10	≤30.00	PASS
11AC20MIMO	Ant1	5825	-10.20	≤30.00	PASS
11AC20MIMO	Ant2	5825	-10.82	≤30.00	PASS
11AC20MIMO	total	5825	-7.49	≤30.00	PASS
11AC40MIMO	Ant1	5190	-11.11	≤11.00	PASS
11AC40MIMO	Ant2	5190	-11.49	≤11.00	PASS
11AC40MIMO	total	5190	-8.29	≤11.00	PASS
11AC40MIMO	Ant1	5230	-11.56	≤11.00	PASS
11AC40MIMO	Ant2	5230	-11.17	≤11.00	PASS
11AC40MIMO	total	5230	-8.35	≤11.00	PASS
11AC40MIMO	Ant1	5755	-12.96	≤30.00	PASS
11AC40MIMO	Ant2	5755	-13.73	≤30.00	PASS
11AC40MIMO	total	5755	-10.32	≤30.00	PASS
11AC40MIMO	Ant1	5795	-13.01	≤30.00	PASS
11AC40MIMO	Ant2	5795	-13.55	≤30.00	PASS
11AC40MIMO	total	5795	-10.26	≤30.00	PASS
11AC80MIMO	Ant1	5210	-13.87	≤11.00	PASS
11AC80MIMO	Ant2	5210	-13.95	≤11.00	PASS
11AC80MIMO	total	5210	-10.90	≤11.00	PASS

11AC80MIMO	Ant1	5775	-16.17	≤30.00	PASS
11AC80MIMO	Ant2	5775	-16.67	≤30.00	PASS
11AC80MIMO	total	5775	-13.40	≤30.00	PASS
11AX20MIMO	Ant1	5180	-7.49	≤11.00	PASS
11AX20MIMO	Ant2	5180	-8.12	≤11.00	PASS
11AX20MIMO	total	5180	-4.78	≤11.00	PASS
11AX20MIMO	Ant1	5220	-8.49	≤11.00	PASS
11AX20MIMO	Ant2	5220	-8.13	≤11.00	PASS
11AX20MIMO	total	5220	-5.30	≤11.00	PASS
11AX20MIMO	Ant1	5240	-8.69	≤11.00	PASS
11AX20MIMO	Ant2	5240	-8.05	≤11.00	PASS
11AX20MIMO	total	5240	-5.35	≤11.00	PASS
11AX20MIMO	Ant1	5745	-9.39	≤30.00	PASS
11AX20MIMO	Ant2	5745	-10.94	≤30.00	PASS
11AX20MIMO	total	5745	-7.09	≤30.00	PASS
11AX20MIMO	Ant1	5785	-10.22	≤30.00	PASS
11AX20MIMO	Ant2	5785	-10.61	≤30.00	PASS
11AX20MIMO	total	5785	-7.40	≤30.00	PASS
11AX20MIMO	Ant1	5825	-10.49	≤30.00	PASS
11AX20MIMO	Ant2	5825	-11.04	≤30.00	PASS
11AX20MIMO	total	5825	-7.75	≤30.00	PASS
11AX40MIMO	Ant1	5190	-11.29	≤11.00	PASS
11AX40MIMO	Ant2	5190	-11.90	≤11.00	PASS
11AX40MIMO	total	5190	-8.57	≤11.00	PASS
11AX40MIMO	Ant1	5230	-11.53	≤11.00	PASS
11AX40MIMO	Ant2	5230	-11.49	≤11.00	PASS
11AX40MIMO	total	5230	-8.50	≤11.00	PASS
11AX40MIMO	Ant1	5755	-13.51	≤30.00	PASS
11AX40MIMO	Ant2	5755	-14.09	≤30.00	PASS
11AX40MIMO	total	5755	-10.78	≤30.00	PASS
11AX40MIMO	Ant1	5795	-13.45	≤30.00	PASS
11AX40MIMO	Ant2	5795	-14.07	≤30.00	PASS
11AX40MIMO	total	5795	-10.74	≤30.00	PASS
11AX80MIMO	Ant1	5210	-14.95	≤11.00	PASS
11AX80MIMO	Ant2	5210	-14.94	≤11.00	PASS
11AX80MIMO	total	5210	-11.93	≤11.00	PASS
11AX80MIMO	Ant1	5775	-16.54	≤30.00	PASS
11AX80MIMO	Ant2	5775	-17.15	≤30.00	PASS
11AX80MIMO	total	5775	-13.82	≤30.00	PASS

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.

Test Graphs













