







Appendix C

Test Results of Maximum conducted output power

Test Mode	Antenna	Channel	Power [dBm]	Limit [dBm]	Verdict
IEEE 802.11a	Ant0	5180	12.56	23.98	PASS
	Ant1	5180	11.58	23.53	PASS
	Ant0	5220	12.55	23.98	PASS
	Ant1	5220	11.87	23.53	PASS
	Ant0	5240	12.69	23.98	PASS
	Ant1	5240	11.9	23.53	PASS
	Ant0	5260	12.44	23.83	PASS
	Ant1	5260	11.31	23.50	PASS
	Ant0	5300	12.59	23.83	PASS
	Ant1	5300	11.38	23.50	PASS
	Ant0	5320	12.48	23.83	PASS
	Ant1	5320	11.21	23.50	PASS
	Ant0	5500	12	21.52	PASS
	Ant1	5500	12.09	22.72	PASS
	Ant0	5580	13.08	21.52	PASS
	Ant1	5580	12.77	22.72	PASS
	Ant0	5700	11.42	21.52	PASS
	Ant1	5700	10.81	22.72	PASS
	Ant0	5745	11.63	26.77	PASS
	Ant1	5745	10.62	30	PASS
	Ant0	5785	11.18	26.77	PASS
	Ant1	5785	10.74	30	PASS
	Ant0	5825	10.66	26.77	PASS
	Ant1	5825	10.94	30	PASS
IEEE 802.11n-HT20	Ant0	5180	11.57	23.98	PASS
	Ant1	5180	11.13	23.53	PASS
	total	5180	14.37	21.21	PASS
	Ant0	5220	11.86	23.98	PASS
	Ant1	5220	11.23	23.53	PASS
	total	5220	14.57	21.21	PASS
	Ant0	5240	11.95	23.98	PASS
	Ant1	5240	11.45	23.53	PASS
	total	5240	14.72	21.21	PASS
	Ant0	5260	12.19	23.83	PASS
	Ant1	5260	12.21	23.50	PASS
	total	5260	15.21	20.65	PASS
	Ant0	5300	11.95	23.83	PASS

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	Ant1	5300	12.04	23.50	PASS
	total	5300	15.01	20.65	PASS
	Ant0	5320	11.93	23.83	PASS
	Ant1	5320	12.1	23.50	PASS
	total	5320	15.03	20.65	PASS
	Ant0	5500	11.61	21.52	PASS
	Ant1	5500	12.54	22.72	PASS
	total	5500	15.11	19.09	PASS
	Ant0	5580	12.77	21.52	PASS
	Ant1	5580	13.14	22.72	PASS
	total	5580	15.97	19.09	PASS
	Ant0	5700	11.26	21.52	PASS
	Ant1	5700	10.89	22.72	PASS
	total	5700	14.09	19.09	PASS
	Ant0	5745	11.93	26.77	PASS
	Ant1	5745	11.67	30	PASS
	total	5745	14.81	25.47	PASS
	Ant0	5785	11.85	26.77	PASS
	Ant1	5785	11.53	30	PASS
	total	5785	14.7	25.47	PASS
	Ant0	5825	11.78	26.77	PASS
	Ant1	5825	11.56	30	PASS
	total	5825	14.68	25.47	PASS
IEEE 802.11n-HT40	Ant0	5190	11.1	23.98	PASS
	Ant1	5190	11.78	23.53	PASS
	total	5190	14.46	21.21	PASS
	Ant0	5230	11.76	23.98	PASS
	Ant1	5230	12.08	23.53	PASS
	total	5230	14.93	21.21	PASS
	Ant0	5270	11.13	23.83	PASS
	Ant1	5270	11.08	23.50	PASS
	total	5270	14.12	20.65	PASS
	Ant0	5310	11.16	23.83	PASS
	Ant1	5310	10.79	23.50	PASS
	total	5310	13.99	20.65	PASS
	Ant0	5510	11.05	21.52	PASS
	Ant1	5510	11.87	22.72	PASS
	total	5510	14.49	19.09	PASS
	Ant0	5590	10.2	21.52	PASS
	Ant1	5590	10.85	22.72	PASS
	total	5590	13.55	19.09	PASS
	Ant0	5670	11.76	21.52	PASS
	Ant1	5670	10.65	22.72	PASS

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	total	5670	14.25	19.09	PASS
	Ant0	5755	11.44	26.77	PASS
	Ant1	5755	10.67	30	PASS
	total	5755	14.08	25.47	PASS
	Ant0	5795	11.06	26.77	PASS
	Ant1	5795	10.86	30	PASS
	total	5795	13.97	25.47	PASS
IEEE 802.11ac-VHT20	Ant0	5180	8.76	23.98	PASS
	Ant1	5180	9.8	23.53	PASS
	total	5180	12.32	21.21	PASS
	Ant0	5220	8.91	23.98	PASS
	Ant1	5220	9.76	23.53	PASS
	total	5220	12.37	21.21	PASS
	Ant0	5240	8.85	23.98	PASS
	Ant1	5240	9.74	23.53	PASS
	total	5240	12.33	21.21	PASS
	Ant0	5260	8.94	23.83	PASS
	Ant1	5260	9.29	23.50	PASS
	total	5260	12.13	20.65	PASS
	Ant0	5300	9.01	23.83	PASS
	Ant1	5300	9.3	23.50	PASS
	total	5300	12.17	20.65	PASS
	Ant0	5320	8.99	23.83	PASS
	Ant1	5320	9.11	23.50	PASS
	total	5320	12.06	20.65	PASS
	Ant0	5500	8.72	21.52	PASS
	Ant1	5500	9.69	22.72	PASS
	total	5500	12.24	19.09	PASS
	Ant0	5580	9.84	21.52	PASS
	Ant1	5580	10.22	22.72	PASS
	total	5580	13.04	19.09	PASS
	Ant0	5700	8.68	21.52	PASS
	Ant1	5700	8.51	22.72	PASS
	total	5700	11.61	19.09	PASS
	Ant0	5745	9.15	26.77	PASS
	Ant1	5745	8.97	30	PASS
	total	5745	12.07	25.47	PASS
	Ant0	5785	9.41	26.77	PASS
	Ant1	5785	9.33	30	PASS
	total	5785	12.38	25.47	PASS
	Ant0	5825	9.36	26.77	PASS
	Ant1	5825	9.34	30	PASS
	total	5825	12.36	25.47	PASS

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IEEE 802.11ac-VHT40	Ant0	5190	9.9	23.98	PASS
	Ant1	5190	11.04	23.53	PASS
	total	5190	13.52	21.21	PASS
	Ant0	5230	10.79	23.98	PASS
	Ant1	5230	11.3	23.53	PASS
	total	5230	14.06	21.21	PASS
	Ant0	5270	10.2	23.83	PASS
	Ant1	5270	10.7	23.50	PASS
	total	5270	13.47	20.65	PASS
	Ant0	5310	9.6	23.83	PASS
	Ant1	5310	9.38	23.50	PASS
	total	5310	12.5	20.65	PASS
	Ant0	5510	10.32	21.52	PASS
	Ant1	5510	10.64	22.72	PASS
	total	5510	13.49	19.09	PASS
	Ant0	5590	8.18	21.52	PASS
	Ant1	5590	10.27	22.72	PASS
	total	5590	13.1	19.09	PASS
	Ant0	5670	10.13	21.52	PASS
	Ant1	5670	9.61	22.72	PASS
	total	5670	12.89	19.09	PASS
	Ant0	5755	9.53	26.77	PASS
	Ant1	5755	9.14	30	PASS
	total	5755	12.35	25.47	PASS
	Ant0	5795	9.42	26.77	PASS
	Ant1	5795	9.22	30	PASS
	total	5795	12.33	25.47	PASS
IEEE 802.11ac-VHT80	Ant0	5210	10	23.98	PASS
	Ant1	5210	10.55	23.53	PASS
	total	5210	13.29	21.21	PASS
	Ant0	5290	10.25	23.83	PASS
	Ant1	5290	9.94	23.50	PASS
	total	5290	13.11	20.65	PASS
	Ant0	5530	10.11	21.52	PASS
	Ant1	5530	10.97	22.72	PASS
	total	5530	13.57	19.09	PASS
	Ant0	5610	10.16	21.52	PASS
	Ant1	5610	9.7	22.72	PASS
	total	5610	12.95	19.09	PASS
	Ant0	5775	11.62	26.77	PASS
	Ant1	5775	9.2	30	PASS
	total	5775	13.59	25.47	PASS

Remark:

1. Total (Chain 0+1) = $10 \cdot \log[(10^{\text{Chain 0/10}}) + (10^{\text{Chain 1/10}})]$
2. The Duty Cycle Factor is compensated in the graph.

Appendix D

Test Results of Power spectrum density

Test Mode	Antenna	Channel (MHz)	Power [dBm/MHz]	Power [dBm/470kHz]	Power [dBm/500kHz]	Limit [dBm/MHz]	Limit [dBm/500kHz]	Verdict
IEEE 802.11a	Ant0	5180	1.36	---	---	11	---	PASS
	Ant1	5180	0.48	---	---	10.55	---	PASS
	Ant0	5220	1.58	---	---	11	---	PASS
	Ant1	5220	0.88	---	---	10.55	---	PASS
	Ant0	5240	1.49	---	---	11	---	PASS
	Ant1	5240	0.12	---	---	10.55	---	PASS
	Ant0	5260	1.22	---	---	10.85	---	PASS
	Ant1	5260	1.11	---	---	10.52	---	PASS
	Ant0	5300	2.04	---	---	10.85	---	PASS
	Ant1	5300	0.58	---	---	10.52	---	PASS
	Ant0	5320	1.62	---	---	10.85	---	PASS
	Ant1	5320	0.39	---	---	10.52	---	PASS
	Ant0	5500	1.66	---	---	8.54	---	PASS
	Ant1	5500	2.01	---	---	9.74	---	PASS
	Ant0	5580	1.81	---	---	8.54	---	PASS
	Ant1	5580	1.63	---	---	9.74	---	PASS
	Ant0	5700	0.77	---	---	8.54	---	PASS
	Ant1	5700	0.35	---	---	9.74	---	PASS
	Ant0	5745	---	-1.98	-1.71	---	26.77	PASS
	Ant1	5745	---	-3.29	-3.02	---	30	PASS
	Ant0	5785	---	-2.6	-2.33	---	26.77	PASS
	Ant1	5785	---	-3.16	-2.89	---	30	PASS
	Ant0	5825	---	-3.43	-3.16	---	26.77	PASS
	Ant1	5825	---	-3.41	-3.14	---	30	PASS
IEEE 802.11n-HT20	Ant0	5180	0.33	---	---	11	---	PASS
	Ant1	5180	-0.15	---	---	10.55	---	PASS
	total	5180	3.11	---	---	8.23	---	PASS
	Ant0	5220	0.87	---	---	11	---	PASS
	Ant1	5220	0.05	---	---	10.55	---	PASS
	total	5220	3.49	---	---	8.23	---	PASS
	Ant0	5240	0.37	---	---	11	---	PASS
	Ant1	5240	0.33	---	---	10.55	---	PASS
	total	5240	3.36	---	---	8.23	---	PASS
	Ant0	5260	1.23	---	---	10.85	---	PASS
	Ant1	5260	1.27	---	---	10.52	---	PASS
	total	5260	4.26	---	---	7.67	---	PASS
	Ant0	5300	1.29	---	---	10.85	---	PASS
	Ant1	5300	1.08	---	---	10.52	---	PASS

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	total	5300	4.2	---	---	7.67	---	PASS
	Ant0	5320	0.74	---	---	10.85	---	PASS
	Ant1	5320	1.25	---	---	10.52	---	PASS
	total	5320	4.01	---	---	7.67	---	PASS
	Ant0	5500	1.24	---	---	8.54	---	PASS
	Ant1	5500	1.5	---	---	9.74	---	PASS
	total	5500	4.38	---	---	6.11	---	PASS
	Ant0	5580	1.2	---	---	8.54	---	PASS
	Ant1	5580	2.25	---	---	9.74	---	PASS
	total	5580	4.77	---	---	6.11	---	PASS
	Ant0	5700	0.13	---	---	8.54	---	PASS
	Ant1	5700	-0.11	---	---	9.74	---	PASS
	total	5700	3.02	---	---	6.11	---	PASS
	Ant0	5745	---	-2	-1.73	---	26.77	PASS
	Ant1	5745	---	-2.09	-1.82	---	30	PASS
	total	5745	---	---	1.23	---	25.47	PASS
	Ant0	5785	---	-2.58	-2.31	---	26.77	PASS
	Ant1	5785	---	-2.82	-2.55	---	30	PASS
	total	5785	---	---	0.58	---	25.47	PASS
	Ant0	5825	---	-2.51	-2.24	---	26.77	PASS
	Ant1	5825	---	-2.7	-2.43	---	30	PASS
	total	5825	---	---	0.68	---	25.47	PASS
IEEE 802.11n- HT40	Ant0	5190	-1.92	---	---	11	---	PASS
	Ant1	5190	-2.01	---	---	10.55	---	PASS
	total	5190	1.05	---	---	8.23	---	PASS
	Ant0	5230	-1.55	---	---	11	---	PASS
	Ant1	5230	-0.63	---	---	10.55	---	PASS
	total	5230	1.94	---	---	8.23	---	PASS
	Ant0	5270	-2.27	---	---	10.85	---	PASS
	Ant1	5270	-1.96	---	---	10.52	---	PASS
	total	5270	0.9	---	---	7.67	---	PASS
	Ant0	5310	-3.18	---	---	10.85	---	PASS
	Ant1	5310	-1.83	---	---	10.52	---	PASS
	total	5310	0.56	---	---	7.67	---	PASS
	Ant0	5510	-2.56	---	---	8.54	---	PASS
	Ant1	5510	-1.66	---	---	9.74	---	PASS
	total	5510	0.92	---	---	6.11	---	PASS
	Ant0	5590	-3.55	---	---	8.54	---	PASS
	Ant1	5590	-2.61	---	---	9.74	---	PASS
	total	5590	-0.04	---	---	6.11	---	PASS
	Ant0	5670	-2.08	---	---	8.54	---	PASS
	Ant1	5670	-3.35	---	---	9.74	---	PASS
	total	5670	0.34	---	---	6.11	---	PASS

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	Ant0	5755	---	-5.51	-5.24	---	26.77	PASS
	Ant1	5755	---	-5.93	-5.66	---	30	PASS
	total	5755	---	---	-2.44	---	25.47	PASS
	Ant0	5795	---	-5.03	-4.76	---	26.77	PASS
	Ant1	5795	---	-5.65	-5.38	---	30	PASS
	total	5795	---	---	-2.05	---	25.47	PASS
IEEE 802.11ac- VHT20	Ant0	5180	-2.29	---	---	11	---	PASS
	Ant1	5180	-1.49	---	---	10.55	---	PASS
	total	5180	1.14	---	---	8.23	---	PASS
	Ant0	5220	-2.4	---	---	11	---	PASS
	Ant1	5220	-1.34	---	---	10.55	---	PASS
	total	5220	1.17	---	---	8.23	---	PASS
	Ant0	5240	-2.65	---	---	11	---	PASS
	Ant1	5240	-1.54	---	---	10.55	---	PASS
	total	5240	0.95	---	---	8.23	---	PASS
	Ant0	5260	-2.26	---	---	10.85	---	PASS
	Ant1	5260	-2.06	---	---	10.52	---	PASS
	total	5260	0.85	---	---	7.67	---	PASS
	Ant0	5300	-2.19	---	---	10.85	---	PASS
	Ant1	5300	-1.98	---	---	10.52	---	PASS
	total	5300	0.93	---	---	7.67	---	PASS
	Ant0	5320	-2.19	---	---	10.85	---	PASS
	Ant1	5320	-1.71	---	---	10.52	---	PASS
	total	5320	1.07	---	---	7.67	---	PASS
	Ant0	5500	-2.32	---	---	8.54	---	PASS
	Ant1	5500	-1.65	---	---	9.74	---	PASS
	total	5500	1.04	---	---	6.11	---	PASS
	Ant0	5580	-1.21	---	---	8.54	---	PASS
	Ant1	5580	-0.66	---	---	9.74	---	PASS
	total	5580	2.08	---	---	6.11	---	PASS
	Ant0	5700	-2.5	---	---	8.54	---	PASS
	Ant1	5700	-2.58	---	---	9.74	---	PASS
	total	5700	0.47	---	---	6.11	---	PASS
	Ant0	5745	---	-5.33	-5.06	---	26.77	PASS
	Ant1	5745	---	-5.55	-5.28	---	30	PASS
	total	5745	---	---	-2.16	---	25.47	PASS
	Ant0	5785	---	-5.05	-4.78	---	26.77	PASS
	Ant1	5785	---	-5.04	-4.77	---	30	PASS
	total	5785	---	---	-1.77	---	25.47	PASS
	Ant0	5825	---	-4.94	-4.67	---	26.77	PASS
	Ant1	5825	---	-4.85	-4.58	---	30	PASS
	total	5825	---	---	-1.62	---	25.47	PASS
IEEE	Ant0	5190	-3.73	---	---	11	---	PASS

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802.11ac-VHT40	Ant1	5190	-3.04	---	---	10.55	---	PASS
	total	5190	-0.36	---	---	8.23	---	PASS
	Ant0	5230	-3.06	---	---	11	---	PASS
	Ant1	5230	-1.91	---	---	10.55	---	PASS
	total	5230	0.56	---	---	8.23	---	PASS
	Ant0	5270	-3.43	---	---	10.85	---	PASS
	Ant1	5270	-3.2	---	---	10.52	---	PASS
	total	5270	-0.3	---	---	7.67	---	PASS
	Ant0	5310	-4.24	---	---	10.85	---	PASS
	Ant1	5310	-3.87	---	---	10.52	---	PASS
	total	5310	-1.04	---	---	7.67	---	PASS
	Ant0	5510	-3.49	---	---	8.54	---	PASS
	Ant1	5510	-2.68	---	---	9.74	---	PASS
	total	5510	-0.06	---	---	6.11	---	PASS
	Ant0	5590	-6.59	---	---	8.54	---	PASS
	Ant1	5590	-3.84	---	---	9.74	---	PASS
	total	5590	-0.6	---	---	6.11	---	PASS
	Ant0	5670	-3.83	---	---	8.54	---	PASS
	Ant1	5670	-4.09	---	---	9.74	---	PASS
	total	5670	-0.95	---	---	6.11	---	PASS
	Ant0	5755	---	-7.21	-6.94	---	26.77	PASS
	Ant1	5755	---	-6.89	-6.62	---	30	PASS
	total	5755	---	---	-3.77	---	25.47	PASS
	Ant0	5795	---	-6.78	-6.51	---	26.77	PASS
	Ant1	5795	---	-7.19	-6.92	---	30	PASS
	total	5795	---	---	-3.7	---	25.47	PASS
IEEE 802.11ac-VHT80	Ant0	5210	-6.31	---	---	11	---	PASS
	Ant1	5210	-5.47	---	---	10.55	---	PASS
	total	5210	-2.86	---	---	8.23	---	PASS
	Ant0	5290	-6.47	---	---	10.85	---	PASS
	Ant1	5290	-6.55	---	---	10.52	---	PASS
	total	5290	-3.5	---	---	7.67	---	PASS
	Ant0	5530	-6.23	---	---	8.54	---	PASS
	Ant1	5530	-4.24	---	---	9.74	---	PASS
	total	5530	-2.11	---	---	6.11	---	PASS
	Ant0	5610	-6.02	---	---	8.54	---	PASS
	Ant1	5610	-5.11	---	---	9.74	---	PASS
	total	5610	-2.53	---	---	6.11	---	PASS
	Ant0	5775	---	-8.4	-8.13	---	26.77	PASS
	Ant1	5775	---	-9.85	-9.58	---	30	PASS
	total	5775	---	---	-5.79	---	25.47	PASS

Remark:

1. Total (ant 0+1) = $10 \cdot \log[(10^{\text{ant } 0/10}) + (10^{\text{ant } 1/10})]$
2. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
3. The Duty Cycle Factor and RBW Factor is compensated in the graph.

The test plots as follows:













