

Appendix C1: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	5180	12.20	≤23.98	PASS
	Ant2	5180	12.65	≤23.98	PASS
	total	5180	15.44	≤23.98	PASS
	Ant1	5200	12.18	≤23.98	PASS
	Ant2	5200	12.39	≤23.98	PASS
	total	5200	15.30	≤23.98	PASS
	Ant1	5240	12.15	≤23.98	PASS
	Ant2	5240	12.19	≤23.98	PASS
	total	5240	15.18	≤23.98	PASS
	Ant1	5260	12.63	≤23.98	PASS
	Ant2	5260	12.83	≤23.98	PASS
	total	5260	15.74	≤23.98	PASS
	Ant1	5280	12.40	≤23.98	PASS
	Ant2	5280	12.62	≤23.98	PASS
	total	5280	15.52	≤23.98	PASS
	Ant1	5320	13.18	≤23.98	PASS
	Ant2	5320	13.26	≤23.98	PASS
	total	5320	16.23	≤23.98	PASS
	Ant1	5500	12.68	≤23.98	PASS
	Ant2	5500	11.79	≤23.98	PASS
	total	5500	15.27	≤23.98	PASS
	Ant1	5580	11.44	≤23.98	PASS
	Ant2	5580	11.83	≤23.98	PASS
	total	5580	14.65	≤23.98	PASS
	Ant1	5700	11.81	≤23.98	PASS
	Ant2	5700	11.92	≤23.98	PASS
	total	5700	14.88	≤23.98	PASS
	Ant1	5745	14.25	≤30.00	PASS
	Ant2	5745	15.10	≤30.00	PASS
	total	5745	17.71	≤30.00	PASS
	Ant1	5785	15.14	≤30.00	PASS
	Ant2	5785	15.38	≤30.00	PASS
	total	5785	18.27	≤30.00	PASS
	Ant1	5825	14.69	≤30.00	PASS
	Ant2	5825	14.94	≤30.00	PASS
	total	5825	17.83	≤30.00	PASS
11AC20MIMO	Ant1	5180	9.48	≤23.98	PASS
	Ant2	5180	9.89	≤23.98	PASS
	total	5180	12.70	≤23.98	PASS
	Ant1	5200	9.46	≤23.98	PASS
	Ant2	5200	9.73	≤23.98	PASS
	total	5200	12.61	≤23.98	PASS
	Ant1	5240	9.35	≤23.98	PASS
	Ant2	5240	9.20	≤23.98	PASS
	total	5240	12.29	≤23.98	PASS
	Ant1	5260	10.05	≤23.98	PASS
	Ant2	5260	9.84	≤23.98	PASS
	total	5260	12.96	≤23.98	PASS
	Ant1	5280	9.85	≤23.98	PASS
	Ant2	5280	9.65	≤23.98	PASS
	total	5280	12.76	≤23.98	PASS
	Ant1	5320	10.34	≤23.98	PASS
	Ant2	5320	10.31	≤23.98	PASS
	total	5320	13.34	≤23.98	PASS
	Ant1	5500	9.64	≤23.98	PASS
	Ant2	5500	9.10	≤23.98	PASS
	total	5500	12.39	≤23.98	PASS
	Ant1	5580	8.00	≤23.98	PASS
	Ant2	5580	8.90	≤23.98	PASS

	total	5580	11.48	≤23.98	PASS
	Ant1	5700	8.74	≤23.98	PASS
	Ant2	5700	9.21	≤23.98	PASS
	total	5700	11.99	≤23.98	PASS
	Ant1	5745	14.48	≤30.00	PASS
	Ant2	5745	14.86	≤30.00	PASS
	total	5745	17.68	≤30.00	PASS
	Ant1	5785	15.27	≤30.00	PASS
	Ant2	5785	15.18	≤30.00	PASS
	total	5785	18.24	≤30.00	PASS
	Ant1	5825	14.73	≤30.00	PASS
	Ant2	5825	14.70	≤30.00	PASS
11AC40MIMO	total	5825	17.73	≤30.00	PASS
	Ant1	5190	10.43	≤23.98	PASS
	Ant2	5190	10.77	≤23.98	PASS
	total	5190	13.61	≤23.98	PASS
	Ant1	5230	10.44	≤23.98	PASS
	Ant2	5230	10.35	≤23.98	PASS
	total	5230	13.41	≤23.98	PASS
	Ant1	5270	10.95	≤23.98	PASS
	Ant2	5270	10.74	≤23.98	PASS
	total	5270	13.86	≤23.98	PASS
	Ant1	5310	11.45	≤23.98	PASS
	Ant2	5310	11.41	≤23.98	PASS
	total	5310	14.44	≤23.98	PASS
	Ant1	5510	11.14	≤23.98	PASS
	Ant2	5510	10.58	≤23.98	PASS
	total	5510	13.88	≤23.98	PASS
	Ant1	5550	10.41	≤23.98	PASS
	Ant2	5550	10.98	≤23.98	PASS
	total	5550	13.71	≤23.98	PASS
	Ant1	5670	11.03	≤23.98	PASS
	Ant2	5670	11.32	≤23.98	PASS
	total	5670	14.19	≤23.98	PASS
	Ant1	5755	14.62	≤30.00	PASS
	Ant2	5755	15.14	≤30.00	PASS
11AC80MIMO	total	5755	17.90	≤30.00	PASS
	Ant1	5795	15.10	≤30.00	PASS
	Ant2	5795	15.20	≤30.00	PASS
	total	5795	18.16	≤30.00	PASS
	Ant1	5210	10.17	≤23.98	PASS
	Ant2	5210	10.21	≤23.98	PASS
	total	5210	13.20	≤23.98	PASS
	Ant1	5290	10.99	≤23.98	PASS
	Ant2	5290	10.66	≤23.98	PASS
	total	5290	13.84	≤23.98	PASS
	Ant1	5530	10.73	≤23.98	PASS
	Ant2	5530	10.34	≤23.98	PASS
	total	5530	13.55	≤23.98	PASS
	Ant1	5610	10.47	≤23.98	PASS
	Ant2	5610	10.70	≤23.98	PASS
11AC160MIMO	total	5610	13.60	≤23.98	PASS
	Ant1	5775	16.01	≤30.00	PASS
	Ant2	5775	15.10	≤30.00	PASS
	total	5775	18.59	≤30.00	PASS
	Ant1	5250	8.18	≤23.98	PASS
	Ant2	5250	8.62	≤23.98	PASS
	total	5250	11.42	≤23.98	PASS
	Ant1	5570	12.71	≤23.98	PASS
	Ant2	5570	12.91	≤23.98	PASS
	total	5570	15.82	≤23.98	PASS

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	Result [dBm]	Limit [dBm]	Verdict
11AX20MI MO	Ant1	5180	242Tone	RU61	10.83	≤23.98	PASS
	Ant2	5180	242Tone	RU61	11.30	≤23.98	PASS
	total	5180	242Tone	RU61	14.08	≤23.98	PASS
	Ant1	5200	242Tone	RU61	10.60	≤23.98	PASS
	Ant2	5200	242Tone	RU61	10.94	≤23.98	PASS
	total	5200	242Tone	RU61	13.78	≤23.98	PASS
	Ant1	5240	242Tone	RU61	10.58	≤23.98	PASS
	Ant2	5240	242Tone	RU61	10.48	≤23.98	PASS
	total	5240	242Tone	RU61	13.54	≤23.98	PASS
	Ant1	5260	242Tone	RU61	11.21	≤23.98	PASS
	Ant2	5260	242Tone	RU61	10.96	≤23.98	PASS
	total	5260	242Tone	RU61	14.10	≤23.98	PASS
	Ant1	5280	242Tone	RU61	11.16	≤23.98	PASS
	Ant2	5280	242Tone	RU61	10.91	≤23.98	PASS
	total	5280	242Tone	RU61	14.05	≤23.98	PASS
	Ant1	5320	242Tone	RU61	11.66	≤23.98	PASS
	Ant2	5320	242Tone	RU61	11.59	≤23.98	PASS
	total	5320	242Tone	RU61	14.64	≤23.98	PASS
	Ant1	5500	242Tone	RU61	10.89	≤23.98	PASS
	Ant2	5500	242Tone	RU61	10.27	≤23.98	PASS
	total	5500	242Tone	RU61	13.60	≤23.98	PASS
	Ant1	5580	242Tone	RU61	9.87	≤23.98	PASS
	Ant2	5580	242Tone	RU61	10.15	≤23.98	PASS
	total	5580	242Tone	RU61	13.02	≤23.98	PASS
	Ant1	5700	242Tone	RU61	9.85	≤23.98	PASS
	Ant2	5700	242Tone	RU61	10.35	≤23.98	PASS
	total	5700	242Tone	RU61	13.12	≤23.98	PASS
	Ant1	5745	242Tone	RU61	6.78	≤30.00	PASS
	Ant2	5745	242Tone	RU61	6.46	≤30.00	PASS
	total	5745	242Tone	RU61	9.63	≤30.00	PASS
	Ant1	5785	242Tone	RU61	7.59	≤30.00	PASS
	Ant2	5785	242Tone	RU61	6.83	≤30.00	PASS
	total	5785	242Tone	RU61	10.24	≤30.00	PASS
	Ant1	5825	242Tone	RU61	7.26	≤30.00	PASS
	Ant2	5825	242Tone	RU61	6.13	≤30.00	PASS
	total	5825	242Tone	RU61	9.74	≤30.00	PASS
11AX40MI MO	Ant1	5190	484Tone	RU65	8.85	≤23.98	PASS
	Ant2	5190	484Tone	RU65	8.94	≤23.98	PASS
	total	5190	484Tone	RU65	11.91	≤23.98	PASS
	Ant1	5230	484Tone	RU65	8.93	≤23.98	PASS
	Ant2	5230	484Tone	RU65	8.74	≤23.98	PASS
	total	5230	484Tone	RU65	11.85	≤23.98	PASS
	Ant1	5270	484Tone	RU65	9.39	≤23.98	PASS
	Ant2	5270	484Tone	RU65	8.98	≤23.98	PASS
	total	5270	484Tone	RU65	12.20	≤23.98	PASS
	Ant1	5310	484Tone	RU65	9.87	≤23.98	PASS
	Ant2	5310	484Tone	RU65	9.62	≤23.98	PASS
	total	5310	484Tone	RU65	12.76	≤23.98	PASS
	Ant1	5510	484Tone	RU65	8.75	≤23.98	PASS
	Ant2	5510	484Tone	RU65	8.22	≤23.98	PASS
	total	5510	484Tone	RU65	11.50	≤23.98	PASS
	Ant1	5550	484Tone	RU65	7.89	≤23.98	PASS
	Ant2	5550	484Tone	RU65	8.19	≤23.98	PASS
	total	5550	484Tone	RU65	11.05	≤23.98	PASS
	Ant1	5670	484Tone	RU65	10.01	≤23.98	PASS
	Ant2	5670	484Tone	RU65	10.55	≤23.98	PASS
	total	5670	484Tone	RU65	13.30	≤23.98	PASS
	Ant1	5755	484Tone	RU65	7.13	≤30.00	PASS
	Ant2	5755	484Tone	RU65	6.61	≤30.00	PASS
	total	5755	484Tone	RU65	9.89	≤30.00	PASS
	Ant1	5795	484Tone	RU65	7.56	≤30.00	PASS
	Ant2	5795	484Tone	RU65	6.72	≤30.00	PASS
	total	5795	484Tone	RU65	10.17	≤30.00	PASS
11AX80MI	Ant1	5210	996Tone	RU67	8.76	≤23.98	PASS

MO	Ant2	5210	996Tone	RU67	8.60	≤23.98	PASS
	total	5210	996Tone	RU67	11.69	≤23.98	PASS
	Ant1	5290	996Tone	RU67	9.55	≤23.98	PASS
	Ant2	5290	996Tone	RU67	8.89	≤23.98	PASS
	total	5290	996Tone	RU67	12.24	≤23.98	PASS
	Ant1	5530	996Tone	RU67	8.40	≤23.98	PASS
	Ant2	5530	996Tone	RU67	7.95	≤23.98	PASS
	total	5530	996Tone	RU67	11.19	≤23.98	PASS
	Ant1	5610	996Tone	RU67	7.36	≤23.98	PASS
	Ant2	5610	996Tone	RU67	8.13	≤23.98	PASS
	total	5610	996Tone	RU67	10.77	≤23.98	PASS
	Ant1	5775	996Tone	RU67	7.36	≤30.00	PASS
	Ant2	5775	996Tone	RU67	6.63	≤30.00	PASS
	total	5775	996Tone	RU67	10.02	≤30.00	PASS
11AX160M IMO	Ant1	5250	996Tone*2	RU68	8.41	≤23.98	PASS
	Ant2	5250	996Tone*2	RU68	8.72	≤23.98	PASS
	total	5250	996Tone*2	RU68	11.58	≤23.98	PASS
	Ant1	5570	996Tone*2	RU68	3.10	≤23.98	PASS
	Ant2	5570	996Tone*2	RU68	3.33	≤23.98	PASS
	total	5570	996Tone*2	RU68	6.23	≤23.98	PASS

5850-5895MHz band, 5725-5850MHz & 5850-5895MHz bands span channels:

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A-CDD	Ant1	5845	15.70	18.30	≤30.00	PASS
	Ant2	5845	14.87	17.47	≤30.00	PASS
	total	5845	18.32	20.92	≤30.00	PASS
	Ant1	5865	16.58	19.18	≤30.00	PASS
	Ant2	5865	15.66	18.26	≤30.00	PASS
	total	5865	19.15	21.75	≤30.00	PASS
	Ant1	5885	16.22	18.82	≤30.00	PASS
	Ant2	5885	15.51	18.11	≤30.00	PASS
	total	5885	18.89	21.49	≤30.00	PASS
11AC20MIMO	Ant1	5845	16.18	21.79	≤30.00	PASS
	Ant2	5845	13.01	18.62	≤30.00	PASS
	total	5845	17.89	23.50	≤30.00	PASS
	Ant1	5865	16.44	22.05	≤30.00	PASS
	Ant2	5865	15.49	21.10	≤30.00	PASS
	total	5865	19.00	24.61	≤30.00	PASS
	Ant1	5885	16.58	22.19	≤30.00	PASS
	Ant2	5885	15.33	20.94	≤30.00	PASS
	total	5885	19.01	24.62	≤30.00	PASS
11AC40MIMO	Ant1	5835	16.64	22.25	≤30.00	PASS
	Ant2	5835	15.24	20.85	≤30.00	PASS
	total	5835	19.01	24.62	≤30.00	PASS
	Ant1	5875	16.48	22.09	≤30.00	PASS
	Ant2	5875	15.62	21.23	≤30.00	PASS
	total	5875	19.08	24.69	≤30.00	PASS
11AC80MIMO	Ant1	5855	16.76	22.37	≤30.00	PASS
	Ant2	5855	15.48	21.09	≤30.00	PASS
	total	5855	19.18	24.79	≤30.00	PASS
11AC160MIMO	Ant1	5815	17.07	22.68	≤30.00	PASS
	Ant2	5815	17.05	22.66	≤30.00	PASS
	total	5815	20.07	25.68	≤30.00	PASS

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	Result [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20M IMO	Ant1	5845	242Tone	RU61	7.03	12.64	≤30.00	PASS
	Ant2	5845	242Tone	RU61	5.03	10.64	≤30.00	PASS
	total	5845	242Tone	RU61	9.15	14.76	≤30.00	PASS
	Ant1	5865	242Tone	RU61	9.48	15.09	≤30.00	PASS
	Ant2	5865	242Tone	RU61	7.95	13.56	≤30.00	PASS
	total	5865	242Tone	RU61	11.79	17.40	≤30.00	PASS
	Ant1	5885	242Tone	RU61	9.28	14.89	≤30.00	PASS
	Ant2	5885	242Tone	RU61	7.75	13.36	≤30.00	PASS
11AX40M IMO	total	5885	242Tone	RU61	11.59	17.20	≤30.00	PASS
	Ant1	5835	484Tone	RU65	9.42	15.03	≤30.00	PASS
	Ant2	5835	484Tone	RU65	7.48	13.09	≤30.00	PASS
	total	5835	484Tone	RU65	11.57	17.18	≤30.00	PASS
	Ant1	5875	484Tone	RU65	9.26	14.87	≤30.00	PASS
	Ant2	5875	484Tone	RU65	8.00	13.61	≤30.00	PASS
11AX80M IMO	total	5875	484Tone	RU65	11.69	17.30	≤30.00	PASS
	Ant1	5855	996Tone	RU67	9.39	15.00	≤30.00	PASS
	Ant2	5855	996Tone	RU67	7.69	13.30	≤30.00	PASS
	total	5855	996Tone	RU67	11.63	17.24	≤30.00	PASS
11AX160 MIMO	Ant1	5815	996Tone*2	RU68	11.64	17.25	≤30.00	PASS
	Ant2	5815	996Tone*2	RU68	10.86	16.47	≤30.00	PASS
	total	5815	996Tone*2	RU68	14.28	19.89	≤30.00	PASS

Note1:

- (1) The device is a client device.
- (2) The Duty Cycle Factor is compensated in the graph.

Note2:

The EUT employ CDD for MIMO

$$\text{Directional Gain} = G_{ANT} + \text{Array Gain}, G_{ANT} = 2.6\text{dBi}$$

For Output Power Measurement,

For 802.11a mode, $\text{Array Gain} = 0\text{dB}$ for $N_{ANT} \leq 4$

$$\text{Directional Gain} = 2.6\text{dBi} + 0\text{dB} = 2.6\text{dBi} < 6\text{dBi}$$

For 802.11ac/ax mode, the device support beam-forming function.

$$\text{Directional Gain} = G_{ANT} + 10 \cdot \log(2/1) = 5.61\text{dBi} < 6\text{dBi}$$

Note 3: Non-Beam Forming mode share the same power with the Beam Forming mode.