





















## 11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

### 11.4.1. Test Result

For FCC UNII-1&UNII-3; ISSED UNII-3 test data table:

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	5180	23.06	≤30.00	---	26.06	---	PASS
	Ant3	5180	22.86	≤30.00	---	25.86	---	PASS
	total	5180	25.97	≤30.00	---	28.97	---	PASS
	Ant1	5200	22.75	≤30.00	---	25.75	---	PASS
	Ant3	5200	22.66	≤30.00	---	25.66	---	PASS
	total	5200	25.72	≤30.00	---	28.72	---	PASS
	Ant1	5240	21.26	≤30.00	---	24.26	---	PASS
	Ant3	5240	19.11	≤30.00	---	22.11	---	PASS
	total	5240	23.33	≤30.00	---	26.33	---	PASS
	Ant1	5745	21.87	≤30.00	≤30.00	24.87	---	PASS
	Ant3	5745	22.50	≤30.00	≤30.00	25.50	---	PASS
	total	5745	25.21	≤30.00	≤30.00	28.21	---	PASS
	Ant1	5785	22.24	≤30.00	≤30.00	25.24	---	PASS
	Ant3	5785	22.46	≤30.00	≤30.00	25.46	---	PASS
	total	5785	25.36	≤30.00	≤30.00	28.36	---	PASS
	Ant1	5825	22.51	≤30.00	≤30.00	25.51	---	PASS
	Ant3	5825	22.82	≤30.00	≤30.00	25.82	---	PASS
	total	5825	25.68	≤30.00	≤30.00	28.68	---	PASS
11AX20MIMO	Ant1	5180	22.51	≤30.00	---	25.51	---	PASS
	Ant3	5180	20.51	≤30.00	---	23.51	---	PASS
	total	5180	24.63	≤30.00	---	27.63	---	PASS
	Ant1	5200	22.96	≤30.00	---	25.96	---	PASS
	Ant3	5200	22.74	≤30.00	---	25.74	---	PASS
	total	5200	25.86	≤30.00	---	28.86	---	PASS
	Ant1	5240	21.37	≤30.00	---	24.37	---	PASS
	Ant3	5240	19.19	≤30.00	---	22.19	---	PASS
	total	5240	23.43	≤30.00	---	26.43	---	PASS
	Ant1	5745	22.85	≤30.00	≤30.00	25.85	---	PASS
	Ant3	5745	22.33	≤30.00	≤30.00	25.33	---	PASS
	total	5745	25.61	≤30.00	≤30.00	28.61	---	PASS
	Ant1	5785	22.53	≤30.00	≤30.00	25.53	---	PASS
	Ant3	5785	22.24	≤30.00	≤30.00	25.24	---	PASS
	total	5785	25.40	≤30.00	≤30.00	28.40	---	PASS
	Ant1	5825	22.50	≤30.00	≤30.00	25.50	---	PASS
	Ant3	5825	22.53	≤30.00	≤30.00	25.53	---	PASS
	total	5825	25.53	≤30.00	≤30.00	28.53	---	PASS
11AX40MIMO	Ant1	5190	21.06	≤30.00	---	24.06	---	PASS
	Ant3	5190	18.87	≤30.00	---	21.87	---	PASS
	total	5190	23.11	≤30.00	---	26.11	---	PASS
	Ant1	5230	20.50	≤30.00	---	23.50	---	PASS
	Ant3	5230	18.41	≤30.00	---	21.41	---	PASS
	total	5230	22.59	≤30.00	---	25.59	---	PASS
	Ant1	5755	22.50	≤30.00	≤30.00	25.50	---	PASS
	Ant3	5755	22.81	≤30.00	≤30.00	25.81	---	PASS
	total	5755	25.67	≤30.00	≤30.00	28.67	---	PASS
	Ant1	5795	22.04	≤30.00	≤30.00	25.04	---	PASS
	Ant3	5795	21.35	≤30.00	≤30.00	24.35	---	PASS
	total	5795	24.72	≤30.00	≤30.00	27.72	---	PASS
11AX80MIMO	Ant1	5210	21.48	≤30.00	---	24.48	---	PASS
	Ant3	5210	19.26	≤30.00	---	22.26	---	PASS
	total	5210	23.52	≤30.00	---	26.52	---	PASS
	Ant1	5775	21.20	≤30.00	≤30.00	24.20	---	PASS
	Ant3	5775	20.24	≤30.00	≤30.00	23.24	---	PASS
	total	5775	23.76	≤30.00	≤30.00	26.76	---	PASS
11BE20MIMO	Ant1	5180	23.35	≤30.00	---	26.35	---	PASS



	Ant3	5180	22.37	≤30.00	---	25.37	---	PASS
	total	5180	25.90	≤30.00	---	28.90	---	PASS
	Ant1	5200	23.21	≤30.00	---	26.21	---	PASS
	Ant3	5200	22.12	≤30.00	---	25.12	---	PASS
	total	5200	25.71	≤30.00	---	28.71	---	PASS
	Ant1	5240	21.52	≤30.00	---	24.52	---	PASS
	Ant3	5240	19.24	≤30.00	---	22.24	---	PASS
	total	5240	23.54	≤30.00	---	26.54	---	PASS
	Ant1	5745	22.62	≤30.00	≤30.00	25.62	---	PASS
	Ant3	5745	21.63	≤30.00	≤30.00	24.63	---	PASS
	total	5745	25.16	≤30.00	≤30.00	28.16	---	PASS
	Ant1	5785	22.45	≤30.00	≤30.00	25.45	---	PASS
	Ant3	5785	21.56	≤30.00	≤30.00	24.56	---	PASS
	total	5785	25.04	≤30.00	≤30.00	28.04	---	PASS
	Ant1	5825	22.68	≤30.00	≤30.00	25.68	---	PASS
	Ant3	5825	21.70	≤30.00	≤30.00	24.70	---	PASS
	total	5825	25.23	≤30.00	≤30.00	28.23	---	PASS
11BE40MIMO	Ant1	5190	22.07	≤30.00	---	25.07	---	PASS
	Ant3	5190	19.69	≤30.00	---	22.69	---	PASS
	total	5190	24.05	≤30.00	---	27.05	---	PASS
	Ant1	5230	23.25	≤30.00	---	26.25	---	PASS
	Ant3	5230	22.27	≤30.00	---	25.27	---	PASS
	total	5230	25.80	≤30.00	---	28.80	---	PASS
	Ant1	5755	22.48	≤30.00	≤30.00	25.48	---	PASS
	Ant3	5755	21.59	≤30.00	≤30.00	24.59	---	PASS
	total	5755	25.07	≤30.00	≤30.00	28.07	---	PASS
	Ant1	5795	23.02	≤30.00	≤30.00	26.02	---	PASS
	Ant3	5795	21.31	≤30.00	≤30.00	24.31	---	PASS
	total	5795	25.26	≤30.00	≤30.00	28.26	---	PASS
11BE80MIMO	Ant1	5210	21.06	≤30.00	---	24.06	---	PASS
	Ant3	5210	19.55	≤30.00	---	22.55	---	PASS
	total	5210	23.38	≤30.00	---	26.38	---	PASS
	Ant1	5775	20.94	≤30.00	≤30.00	23.94	---	PASS
	Ant3	5775	19.02	≤30.00	≤30.00	22.02	---	PASS
	total	5775	23.10	≤30.00	≤30.00	26.10	---	PASS



For ISED UNII-1 test data table:

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	5180	11.75	≤30.00	---	14.75	≤22.27	PASS
	Ant3	5180	11.16	≤30.00	---	14.16	≤22.33	PASS
	total	5180	14.48	≤30.00	---	17.48	≤22.27	PASS
	Ant1	5200	11.14	≤30.00	---	14.14	≤22.34	PASS
	Ant3	5200	10.94	≤30.00	---	13.94	≤22.30	PASS
	total	5200	14.05	≤30.00	---	17.05	≤22.30	PASS
	Ant1	5240	11.16	≤30.00	---	14.16	≤22.31	PASS
	Ant3	5240	11.06	≤30.00	---	14.06	≤22.29	PASS
	total	5240	14.12	≤30.00	---	17.12	≤22.29	PASS
11AX20MIMO	Ant1	5180	12.73	≤30.00	---	15.73	≤22.81	PASS
	Ant3	5180	12.29	≤30.00	---	15.29	≤22.83	PASS
	total	5180	15.53	≤30.00	---	18.53	≤22.81	PASS
	Ant1	5200	12.47	≤30.00	---	15.47	≤22.82	PASS
	Ant3	5200	12.08	≤30.00	---	15.08	≤22.81	PASS
	total	5200	15.29	≤30.00	---	18.29	≤22.81	PASS
	Ant1	5240	12.59	≤30.00	---	15.59	≤22.82	PASS
	Ant3	5240	12.05	≤30.00	---	15.05	≤22.81	PASS
	total	5240	15.34	≤30.00	---	18.34	≤22.81	PASS
11AX40MIMO	Ant1	5190	15.06	≤30.00	---	18.06	≤23.00	PASS
	Ant3	5190	14.69	≤30.00	---	17.69	≤23.00	PASS
	total	5190	17.89	≤30.00	---	20.89	≤23.00	PASS
	Ant1	5230	15.61	≤30.00	---	18.61	≤23.00	PASS
	Ant3	5230	15.14	≤30.00	---	18.14	≤23.00	PASS
	total	5230	18.39	≤30.00	---	21.39	≤23.00	PASS
11AX80MIMO	Ant1	5210	16.52	≤30.00	---	19.52	≤23.00	PASS
	Ant3	5210	16.04	≤30.00	---	19.04	≤23.00	PASS
	total	5210	19.30	≤30.00	---	22.30	≤23.00	PASS
11BE20MIMO	Ant1	5180	11.14	≤30.00	---	14.14	≤22.84	PASS
	Ant3	5180	10.89	≤30.00	---	13.89	≤22.84	PASS
	total	5180	14.03	≤30.00	---	20.04	≤22.84	PASS
	Ant1	5200	10.98	≤30.00	---	13.98	≤22.83	PASS
	Ant3	5200	10.57	≤30.00	---	13.57	≤22.83	PASS
	total	5200	13.79	≤30.00	---	19.80	≤22.83	PASS
	Ant1	5240	10.76	≤30.00	---	13.76	≤22.83	PASS
	Ant3	5240	10.36	≤30.00	---	13.36	≤22.83	PASS
	total	5240	13.57	≤30.00	---	16.57	≤22.83	PASS
11BE40MIMO	Ant1	5190	14.13	≤30.00	---	17.13	≤23.00	PASS
	Ant3	5190	14.10	≤30.00	---	17.10	≤23.00	PASS
	total	5190	17.13	≤30.00	---	20.13	≤23.00	PASS
	Ant1	5230	13.69	≤30.00	---	16.69	≤23.00	PASS
	Ant3	5230	13.54	≤30.00	---	16.54	≤23.00	PASS
	total	5230	16.63	≤30.00	---	19.63	≤23.00	PASS
11BE80MIMO	Ant1	5210	16.77	≤30.00	---	19.77	≤23.00	PASS
	Ant3	5210	16.10	≤30.00	---	19.10	≤23.00	PASS
	total	5210	19.46	≤30.00	---	22.46	≤23.00	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.



## 11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

### 11.5.1. Test Result

For FCC UNII-1&UNII-3; ISSED UNII-3 test data table:

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	11.74	≤17.00	PASS
	Ant3	5180	11.54	≤17.00	PASS
	total	5180	14.65	≤17.00	PASS
	Ant1	5200	11.63	≤17.00	PASS
	Ant3	5200	11.45	≤17.00	PASS
	total	5200	14.55	≤17.00	PASS
	Ant1	5240	10.24	≤17.00	PASS
	Ant3	5240	7.95	≤17.00	PASS
	total	5240	12.25	≤17.00	PASS
	Ant1	5745	8.16	≤30.00	PASS
	Ant3	5745	8.72	≤30.00	PASS
	total	5745	11.46	≤30.00	PASS
	Ant1	5785	7.9	≤30.00	PASS
	Ant3	5785	8.46	≤30.00	PASS
	total	5785	11.20	≤30.00	PASS
	Ant1	5825	8.77	≤30.00	PASS
	Ant3	5825	8.77	≤30.00	PASS
	total	5825	11.78	≤30.00	PASS
11AX20MIMO	Ant1	5180	10.87	≤17.00	PASS
	Ant3	5180	8.72	≤17.00	PASS
	total	5180	12.94	≤17.00	PASS
	Ant1	5200	11.41	≤17.00	PASS
	Ant3	5200	11.15	≤17.00	PASS
	total	5200	14.29	≤17.00	PASS
	Ant1	5240	9.76	≤17.00	PASS
	Ant3	5240	7.43	≤17.00	PASS
	total	5240	11.76	≤17.00	PASS
	Ant1	5745	8.43	≤30.00	PASS
	Ant3	5745	8.26	≤30.00	PASS
	total	5745	11.36	≤30.00	PASS
	Ant1	5785	8	≤30.00	PASS
	Ant3	5785	7.78	≤30.00	PASS
	total	5785	10.90	≤30.00	PASS
	Ant1	5825	8.33	≤30.00	PASS
	Ant3	5825	8.3	≤30.00	PASS
	total	5825	11.33	≤30.00	PASS
11AX40MIMO	Ant1	5190	6.41	≤17.00	PASS
	Ant3	5190	4.17	≤17.00	PASS
	total	5190	8.44	≤17.00	PASS
	Ant1	5230	6.02	≤17.00	PASS
	Ant3	5230	3.69	≤17.00	PASS
	total	5230	8.02	≤17.00	PASS
	Ant1	5755	5.46	≤30.00	PASS
	Ant3	5755	6.2	≤30.00	PASS
	total	5755	8.86	≤30.00	PASS
	Ant1	5795	4.24	≤30.00	PASS
	Ant3	5795	4.26	≤30.00	PASS
	total	5795	7.26	≤30.00	PASS
11AX80MIMO	Ant1	5210	3.49	≤17.00	PASS
	Ant3	5210	1.49	≤17.00	PASS
	total	5210	5.61	≤17.00	PASS
	Ant1	5775	0.62	≤30.00	PASS
	Ant3	5775	0.04	≤30.00	PASS
11BE20MIMO	total	5775	3.35	≤30.00	PASS
	Ant1	5180	12.76	≤17.00	PASS
	Ant3	5180	11.68	≤17.00	PASS



	total	5180	15.26	≤17.00	PASS
	Ant1	5200	12.85	≤17.00	PASS
	Ant3	5200	11.69	≤17.00	PASS
	total	5200	15.32	≤17.00	PASS
	Ant1	5240	10.77	≤17.00	PASS
	Ant3	5240	9.23	≤17.00	PASS
	total	5240	13.08	≤17.00	PASS
	Ant1	5745	9.97	≤30.00	PASS
	Ant3	5745	7.58	≤30.00	PASS
	total	5745	11.95	≤30.00	PASS
	Ant1	5785	10.26	≤30.00	PASS
	Ant3	5785	8.65	≤30.00	PASS
	total	5785	12.54	≤30.00	PASS
	Ant1	5825	9.87	≤30.00	PASS
	Ant3	5825	9.33	≤30.00	PASS
	total	5825	12.62	≤30.00	PASS
11BE40MIMO	Ant1	5190	8.54	≤17.00	PASS
	Ant3	5190	6.35	≤17.00	PASS
	total	5190	10.59	≤17.00	PASS
	Ant1	5230	10.38	≤17.00	PASS
	Ant3	5230	8.97	≤17.00	PASS
	total	5230	12.74	≤17.00	PASS
	Ant1	5755	6.94	≤30.00	PASS
	Ant3	5755	5.72	≤30.00	PASS
	total	5755	9.38	≤30.00	PASS
	Ant1	5795	7.15	≤30.00	PASS
	Ant3	5795	5.58	≤30.00	PASS
	total	5795	9.45	≤30.00	PASS
11BE80MIMO	Ant1	5210	4.5	≤17.00	PASS
	Ant3	5210	3.9	≤17.00	PASS
	total	5210	7.22	≤17.00	PASS
	Ant1	5775	1.48	≤30.00	PASS
	Ant3	5775	0.13	≤30.00	PASS
	total	5775	3.87	≤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.

### 11.5.2. Test Result

For ISED UNII-1 test data table:

Test Mode	Antenna	Channel	Power [dBm/MHz]	EIRP [dBm/MHz]	EIRP Limit [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	0.4	3.40	≤10.00	PASS
	Ant3	5180	0.02	3.02	≤10.00	PASS
	total	5180	3.22	9.23	≤10.00	PASS
	Ant1	5200	0.43	3.43	≤10.00	PASS
	Ant3	5200	-0.16	2.84	≤10.00	PASS
	total	5200	3.16	9.17	≤10.00	PASS
	Ant1	5240	0.43	3.43	≤10.00	PASS
	Ant3	5240	0.02	3.02	≤10.00	PASS
	total	5240	3.24	9.25	≤10.00	PASS
11AX20MIMO	Ant1	5180	0.82	3.82	≤10.00	PASS
	Ant3	5180	0.57	3.57	≤10.00	PASS
	total	5180	3.71	9.72	≤10.00	PASS
	Ant1	5200	0.95	3.95	≤10.00	PASS
	Ant3	5200	0.19	3.19	≤10.00	PASS
	total	5200	3.60	9.61	≤10.00	PASS
	Ant1	5240	0.75	3.75	≤10.00	PASS
	Ant3	5240	0.56	3.56	≤10.00	PASS
	total	5240	3.67	9.68	≤10.00	PASS
11AX40MIMO	Ant1	5190	0.55	3.55	≤10.00	PASS
	Ant3	5190	0.17	3.17	≤10.00	PASS
	total	5190	3.37	9.38	≤10.00	PASS
	Ant1	5230	0.98	3.98	≤10.00	PASS
	Ant3	5230	0.52	3.52	≤10.00	PASS
	total	5230	3.77	9.78	≤10.00	PASS
11AX80MIMO	Ant1	5210	-1.33	1.67	≤10.00	PASS
	Ant3	5210	-1.74	1.26	≤10.00	PASS
	total	5210	1.48	7.49	≤10.00	PASS
11BE20MIMO	Ant1	5180	0.65	3.65	≤10.00	PASS
	Ant3	5180	0.92	3.92	≤10.00	PASS
	total	5180	3.80	9.81	≤10.00	PASS
	Ant1	5200	0.99	3.99	≤10.00	PASS
	Ant3	5200	0.47	3.47	≤10.00	PASS
	total	5200	3.75	9.76	≤10.00	PASS
	Ant1	5240	0.77	3.77	≤10.00	PASS
	Ant3	5240	0.68	3.68	≤10.00	PASS
	total	5240	3.74	9.75	≤10.00	PASS
11BE40MIMO	Ant1	5190	0.69	3.69	≤10.00	PASS
	Ant3	5190	0.94	3.94	≤10.00	PASS
	total	5190	3.83	9.84	≤10.00	PASS
	Ant1	5230	0.18	3.18	≤10.00	PASS
	Ant3	5230	0.17	3.17	≤10.00	PASS
	total	5230	3.19	9.20	≤10.00	PASS
11BE80MIMO	Ant1	5210	0.49	3.49	≤10.00	PASS
	Ant3	5210	0.28	3.28	≤10.00	PASS
	total	5210	3.40	9.41	≤10.00	PASS



### 11.5.3. Test Graphs

For FCC UNII-1&UNII-3; ISD UNII-3 test data graphs:





























