

11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant0	5180	16.07	≤23.98	---	18.64	≤22.17	PASS
	Ant1	5180	16.23	≤23.98	---	19.03	≤22.18	PASS
	Ant0	5200	16.17	≤23.98	---	18.74	≤22.33	PASS
	Ant1	5200	16.72	≤23.98	---	19.52	≤22.27	PASS
	Ant0	5240	16.22	≤23.98	---	18.79	≤22.39	PASS
	Ant1	5240	16.89	≤23.98	---	19.69	≤22.27	PASS
	Ant0	5260	16.42	≤23.98	≤23.43	18.99	≤29.43	PASS
	Ant1	5260	17.10	≤23.98	≤23.28	19.90	≤29.28	PASS
	Ant0	5280	16.48	≤23.98	≤23.33	19.05	≤29.33	PASS
	Ant1	5280	17.23	≤23.90	≤23.29	20.03	≤29.29	PASS
	Ant0	5320	16.65	≤23.91	≤23.19	19.22	≤29.19	PASS
	Ant1	5320	17.45	≤23.97	≤23.18	20.25	≤29.18	PASS
	Ant0	5500	16.45	≤23.95	≤23.24	19.02	≤29.24	PASS
	Ant1	5500	16.08	≤23.98	≤23.21	18.88	≤29.21	PASS
	Ant0	5580	16.38	≤23.98	≤23.47	18.95	≤29.47	PASS
	Ant1	5580	16.48	≤23.98	≤23.29	19.28	≤29.29	PASS
	Ant0	5700	15.87	≤23.98	≤23.35	18.44	≤29.35	PASS
	Ant1	5700	16.17	≤23.98	≤23.20	18.97	≤29.20	PASS
	Ant0	5720 UNII-2C	15.26	≤23.13	≤22.33	17.83	≤28.33	PASS
	Ant1	5720 UNII-2C	15.21	≤22.73	≤22.26	18.01	≤28.26	PASS
	Ant0	5720 UNII-3	7.63	≤30.00	≤30.00	10.20	---	PASS
	Ant1	5720 UNII-3	7.56	≤30.00	≤30.00	10.36	---	PASS
	Ant0	5745	16.16	≤30.00	≤30.00	18.73	---	PASS
	Ant1	5745	16.43	≤30.00	≤30.00	19.23	---	PASS
	Ant0	5785	16.85	≤30.00	≤30.00	19.42	---	PASS
	Ant1	5785	16.94	≤30.00	≤30.00	19.74	---	PASS
	Ant0	5825	17.08	≤30.00	≤30.00	19.65	---	PASS
	Ant1	5825	17.14	≤30.00	≤30.00	19.94	---	PASS
11N20MIMO	Ant0	5180	11.23	≤23.98	---	14.03	≤22.47	PASS
	Ant1	5180	10.64	≤23.98	---	13.44	≤22.46	PASS
	total	5180	13.96	≤23.98	---	16.76	≤22.46	PASS
	Ant0	5200	11.07	≤23.98	---	13.87	≤22.49	PASS
	Ant1	5200	10.54	≤23.98	---	13.34	≤22.48	PASS
	total	5200	13.82	≤23.98	---	16.62	≤22.48	PASS
	Ant0	5240	11.10	≤23.98	---	13.90	≤22.51	PASS
	Ant1	5240	10.90	≤23.98	---	13.70	≤22.47	PASS
	total	5240	14.01	≤23.98	---	16.81	≤22.47	PASS
	Ant0	5260	14.86	≤23.98	≤23.53	17.66	≤29.53	PASS
	Ant1	5260	15.54	≤23.98	≤23.50	18.34	≤29.50	PASS
	total	5260	18.22	≤23.98	≤23.50	21.02	≤29.50	PASS
	Ant0	5280	14.98	≤23.98	≤23.53	17.78	≤29.53	PASS
	Ant1	5280	15.74	≤23.98	≤23.51	18.54	≤29.51	PASS
	total	5280	18.39	≤23.98	≤23.51	21.19	≤29.51	PASS
	Ant0	5320	15.08	≤23.98	≤23.46	17.88	≤29.46	PASS
	Ant1	5320	15.90	≤23.98	≤23.48	18.70	≤29.48	PASS
	total	5320	18.52	≤23.98	≤23.46	21.32	≤29.46	PASS
	Ant0	5500	15.14	≤23.98	≤23.49	17.94	≤29.49	PASS
	Ant1	5500	15.26	≤23.98	≤23.47	18.06	≤29.47	PASS
	total	5500	18.21	≤23.98	≤23.47	21.01	≤29.47	PASS
	Ant0	5580	14.99	≤23.98	≤23.53	17.79	≤29.53	PASS
	Ant1	5580	15.09	≤23.98	≤23.49	17.89	≤29.49	PASS
	total	5580	18.05	≤23.98	≤23.49	20.85	≤29.49	PASS
	Ant0	5700	14.10	≤23.98	≤23.52	16.90	≤29.52	PASS
	Ant1	5700	13.91	≤23.98	≤23.47	16.71	≤29.47	PASS

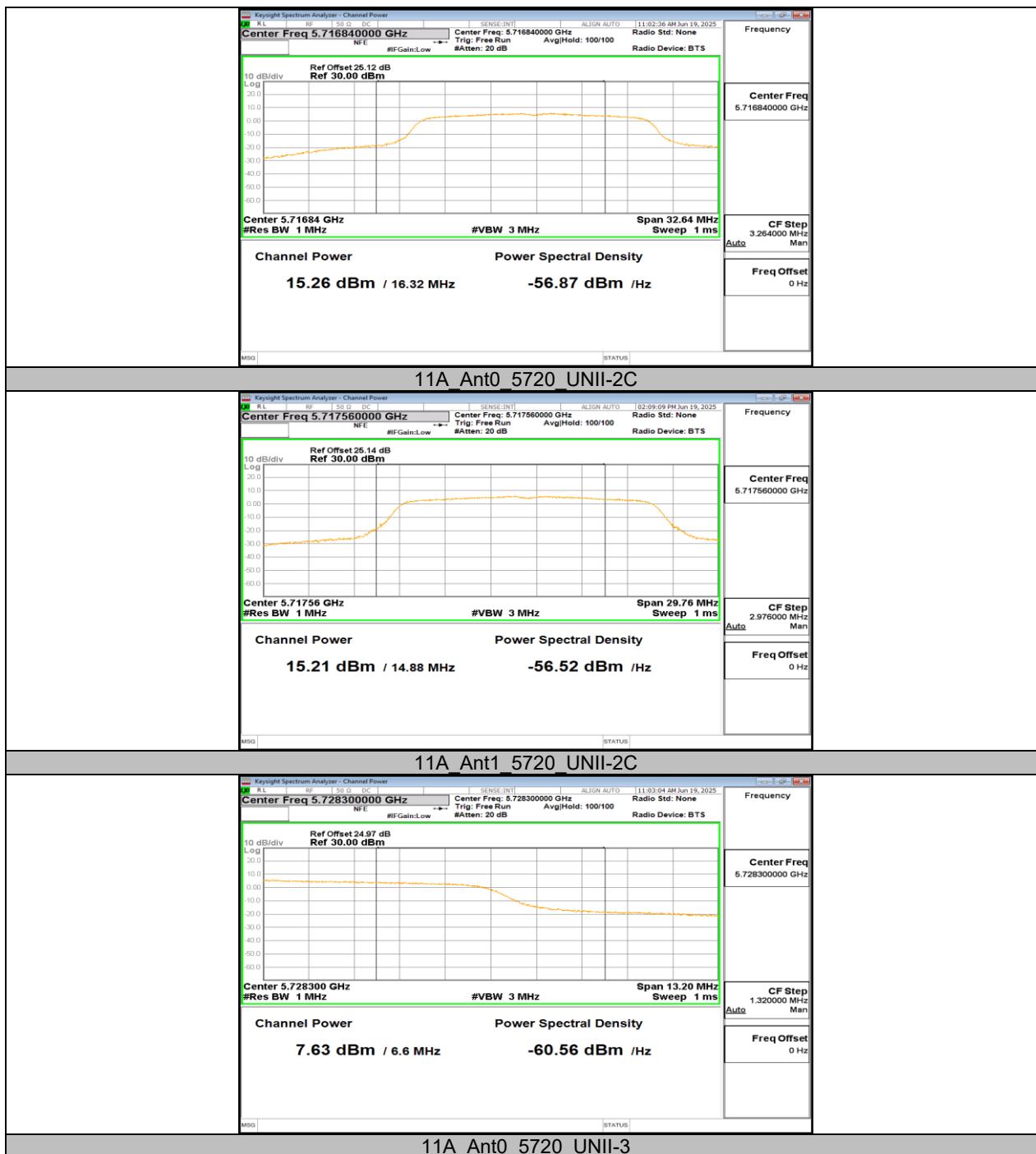
	total	5700	17.02	≤23.98	≤23.47	19.82	≤29.47	PASS
	Ant0	5720 UNII-2C	13.75	≤22.82	≤22.45	16.55	≤28.45	PASS
	Ant1	5720 UNII-2C	13.80	≤22.75	≤22.43	16.60	≤28.43	PASS
	total	5720 UNII-2C	16.79	≤23.98	≤22.43	19.59	≤28.43	PASS
	Ant0	5720 UNII-3	6.43	≤30.00	≤30.00	9.23	---	PASS
	Ant1	5720 UNII-3	6.54	≤30.00	≤30.00	9.34	---	PASS
	total	5720 UNII-3	9.50	≤30.00	≤30.00	12.30	---	PASS
	Ant0	5745	14.70	≤30.00	≤30.00	17.50	---	PASS
	Ant1	5745	14.91	≤30.00	≤30.00	17.71	---	PASS
	total	5745	17.82	≤30.00	≤30.00	20.62	---	PASS
	Ant0	5785	15.39	≤30.00	≤30.00	18.19	---	PASS
	Ant1	5785	15.34	≤30.00	≤30.00	18.14	---	PASS
	total	5785	18.38	≤30.00	≤30.00	21.18	---	PASS
	Ant0	5825	15.68	≤30.00	≤30.00	18.48	---	PASS
	Ant1	5825	15.74	≤30.00	≤30.00	18.54	---	PASS
	total	5825	18.72	≤30.00	≤30.00	21.52	---	PASS
11N40MIMO	Ant0	5190	13.93	≤23.98	---	16.73	≤23.00	PASS
	Ant1	5190	13.53	≤23.98	---	16.33	≤23.00	PASS
	total	5190	16.74	≤23.98	---	19.54	≤23.00	PASS
	Ant0	5230	14.04	≤23.98	---	16.84	≤23.00	PASS
	Ant1	5230	13.93	≤23.98	---	16.73	≤23.00	PASS
	total	5230	17.00	≤23.98	---	19.80	≤23.00	PASS
	Ant0	5270	15.44	≤23.98	≤23.98	18.24	≤29.98	PASS
	Ant1	5270	16.11	≤23.98	≤23.98	18.91	≤29.98	PASS
	total	5270	18.80	≤23.98	≤23.98	21.60	≤29.98	PASS
	Ant0	5310	15.41	≤23.98	≤23.98	18.21	≤29.98	PASS
	Ant1	5310	15.96	≤23.98	≤23.98	18.76	≤29.98	PASS
	total	5310	18.70	≤23.98	≤23.98	21.50	≤29.98	PASS
	Ant0	5510	15.14	≤23.98	≤23.98	17.94	≤29.98	PASS
	Ant1	5510	15.35	≤23.98	≤23.98	18.15	≤29.98	PASS
	total	5510	18.26	≤23.98	≤23.98	21.06	≤29.98	PASS
	Ant0	5550	15.29	≤23.98	≤23.98	18.09	≤29.98	PASS
	Ant1	5550	15.36	≤23.98	≤23.98	18.16	≤29.98	PASS
	total	5550	18.34	≤23.98	≤23.98	21.14	≤29.98	PASS
	Ant0	5670	14.66	≤23.98	≤23.98	17.46	≤29.98	PASS
	Ant1	5670	15.15	≤23.98	≤23.98	17.95	≤29.98	PASS
	total	5670	17.92	≤23.98	≤23.98	20.72	≤29.98	PASS
	Ant0	5710 UNII-2C	14.29	≤23.98	≤23.98	17.09	≤29.98	PASS
	Ant1	5710 UNII-2C	14.53	≤23.98	≤23.98	17.33	≤29.98	PASS
	total	5710 UNII-2C	17.42	≤23.98	≤23.98	20.22	≤29.98	PASS
11AC80MIMO	Ant0	5710 UNII-3	1.38	≤30.00	≤30.00	4.18	---	PASS
	Ant1	5710 UNII-3	1.78	≤30.00	≤30.00	4.58	---	PASS
	total	5710 UNII-3	4.59	≤30.00	≤30.00	7.39	---	PASS
	Ant0	5755	15.60	≤30.00	≤30.00	18.40	---	PASS
	Ant1	5755	15.56	≤30.00	≤30.00	18.36	---	PASS
	total	5755	18.59	≤30.00	≤30.00	21.39	---	PASS
	Ant0	5795	16.15	≤30.00	≤30.00	18.95	---	PASS
	Ant1	5795	16.01	≤30.00	≤30.00	18.81	---	PASS
	total	5795	19.09	≤30.00	≤30.00	21.89	---	PASS
	Ant0	5210	13.04	≤23.98	---	15.84	≤23.00	PASS
	Ant1	5210	13.69	≤23.98	---	16.49	≤23.00	PASS
	total	5210	16.39	≤23.98	---	19.19	≤23.00	PASS
	Ant0	5290	13.47	≤23.98	≤23.98	16.27	≤29.98	PASS
	Ant1	5290	14.08	≤23.98	≤23.98	16.88	≤29.98	PASS
	total	5290	16.80	≤23.98	≤23.98	19.60	≤29.98	PASS
	Ant0	5530	13.20	≤23.98	≤23.98	16.00	≤29.98	PASS
	Ant1	5530	13.09	≤23.98	≤23.98	15.89	≤29.98	PASS
	total	5530	16.16	≤23.98	≤23.98	18.96	≤29.98	PASS
	Ant0	5610	13.16	≤23.98	≤23.98	15.96	≤29.98	PASS
	Ant1	5610	13.64	≤23.98	≤23.98	16.44	≤29.98	PASS

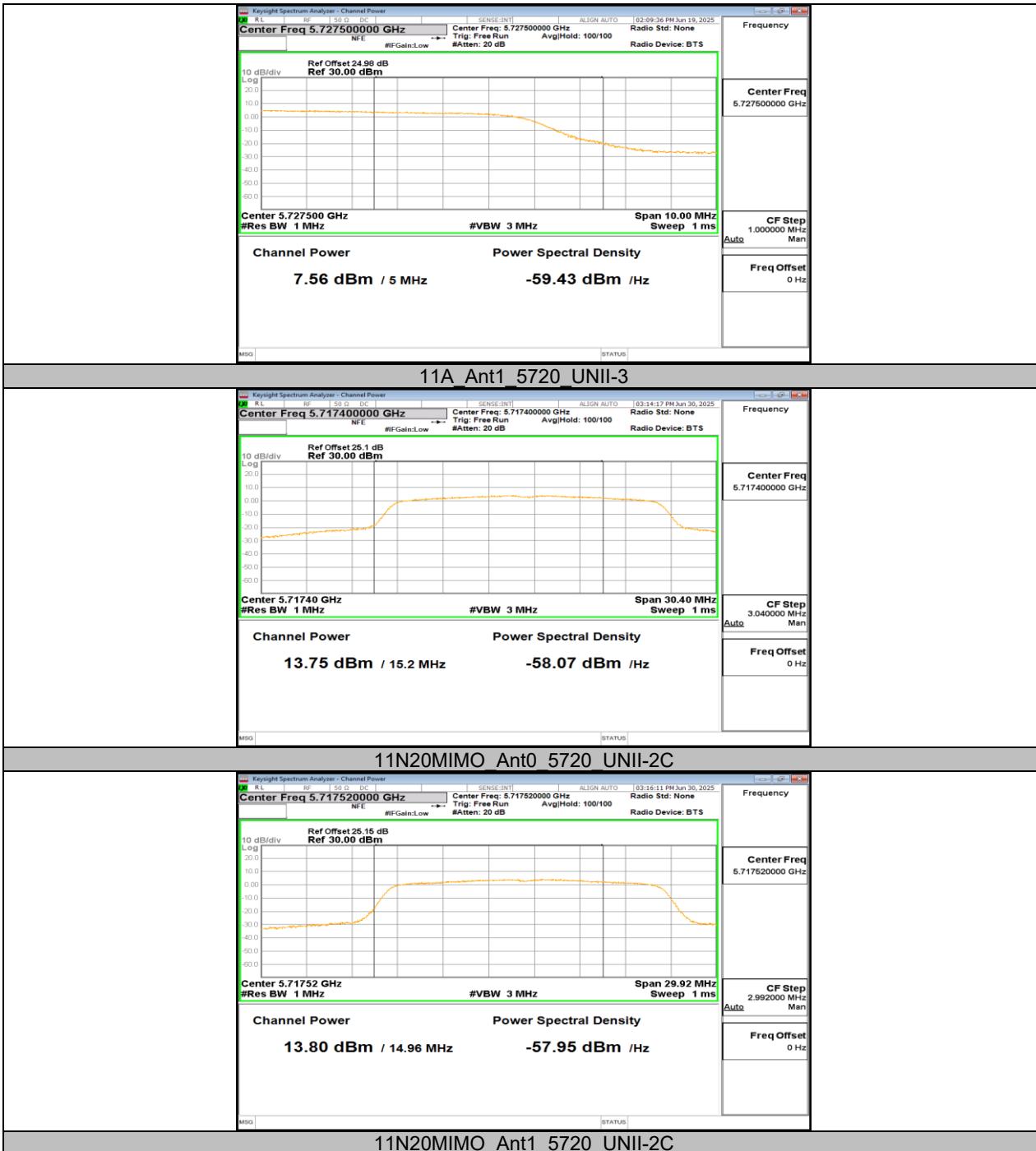
	total	5610	16.42	≤23.98	≤23.98	19.22	≤29.98	PASS
	Ant0	5690 UNII-2C	12.55	≤23.98	≤23.98	15.35	≤29.98	PASS
	Ant1	5690 UNII-2C	12.89	≤23.98	≤23.98	15.69	≤29.98	PASS
	total	5690 UNII-2C	15.73	≤23.98	≤23.98	18.53	≤29.98	PASS
	Ant0	5690 UNII-3	-4.63	≤30.00	≤30.00	-1.83	---	PASS
	Ant1	5690 UNII-3	-4.01	≤30.00	≤30.00	-1.21	---	PASS
	total	5690 UNII-3	-1.30	≤30.00	≤30.00	1.50	---	PASS
	Ant0	5775	13.78	≤30.00	≤30.00	16.58	---	PASS
	Ant1	5775	13.62	≤30.00	≤30.00	16.42	---	PASS
	total	5775	16.71	≤30.00	≤30.00	19.51	---	PASS

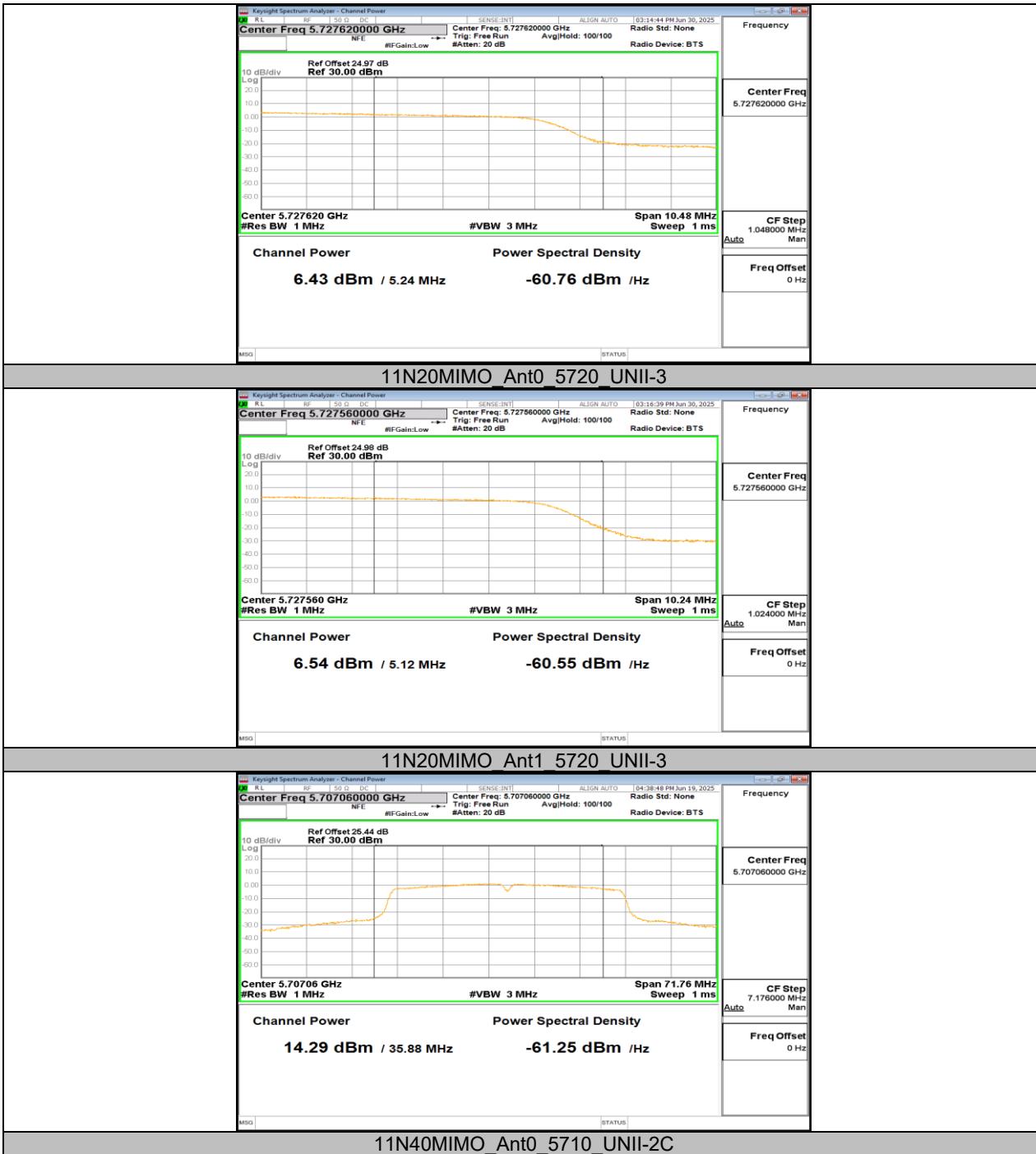
Note: 1. Conducted Power=Meas. Level+ Correction Factor

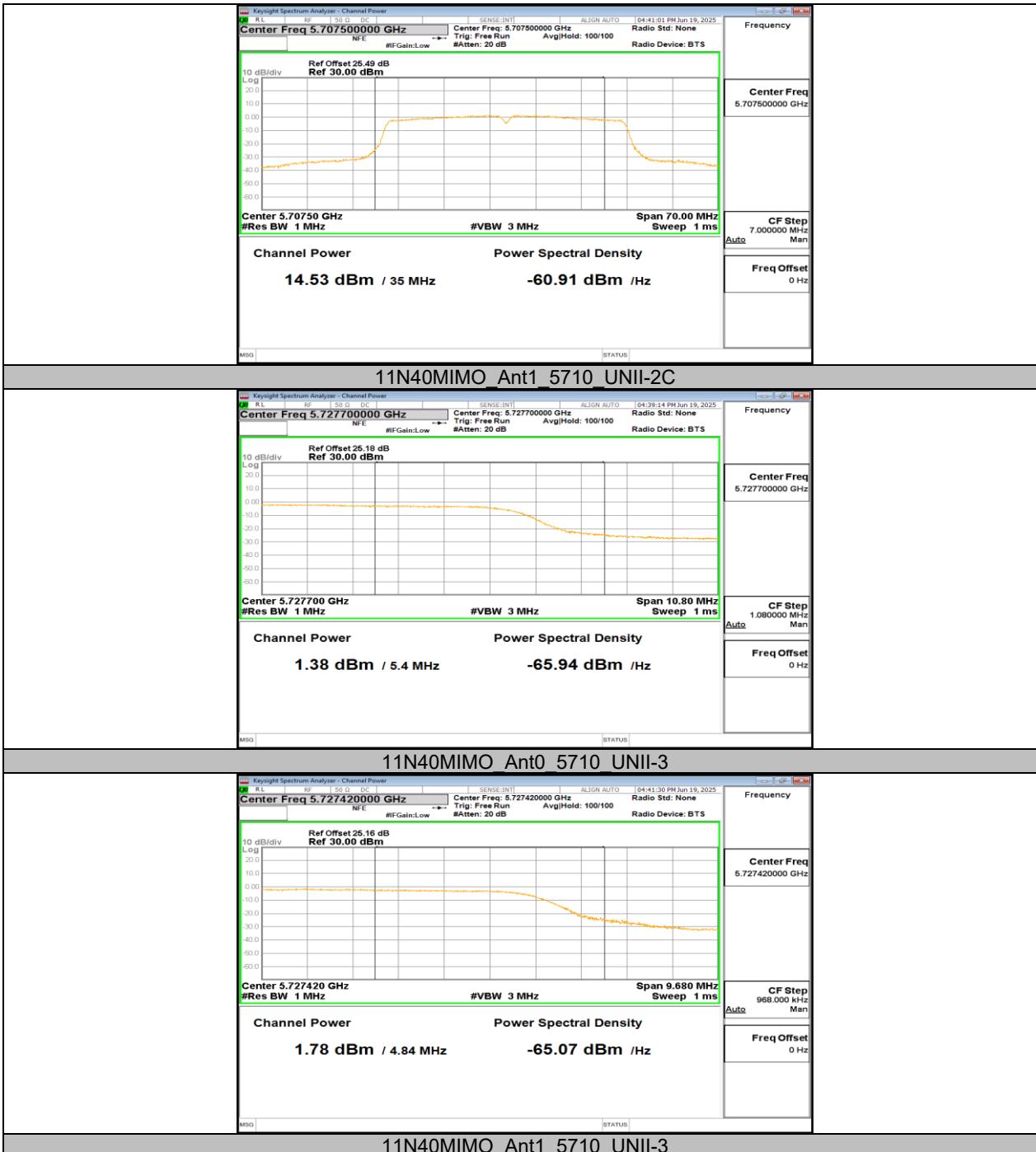
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

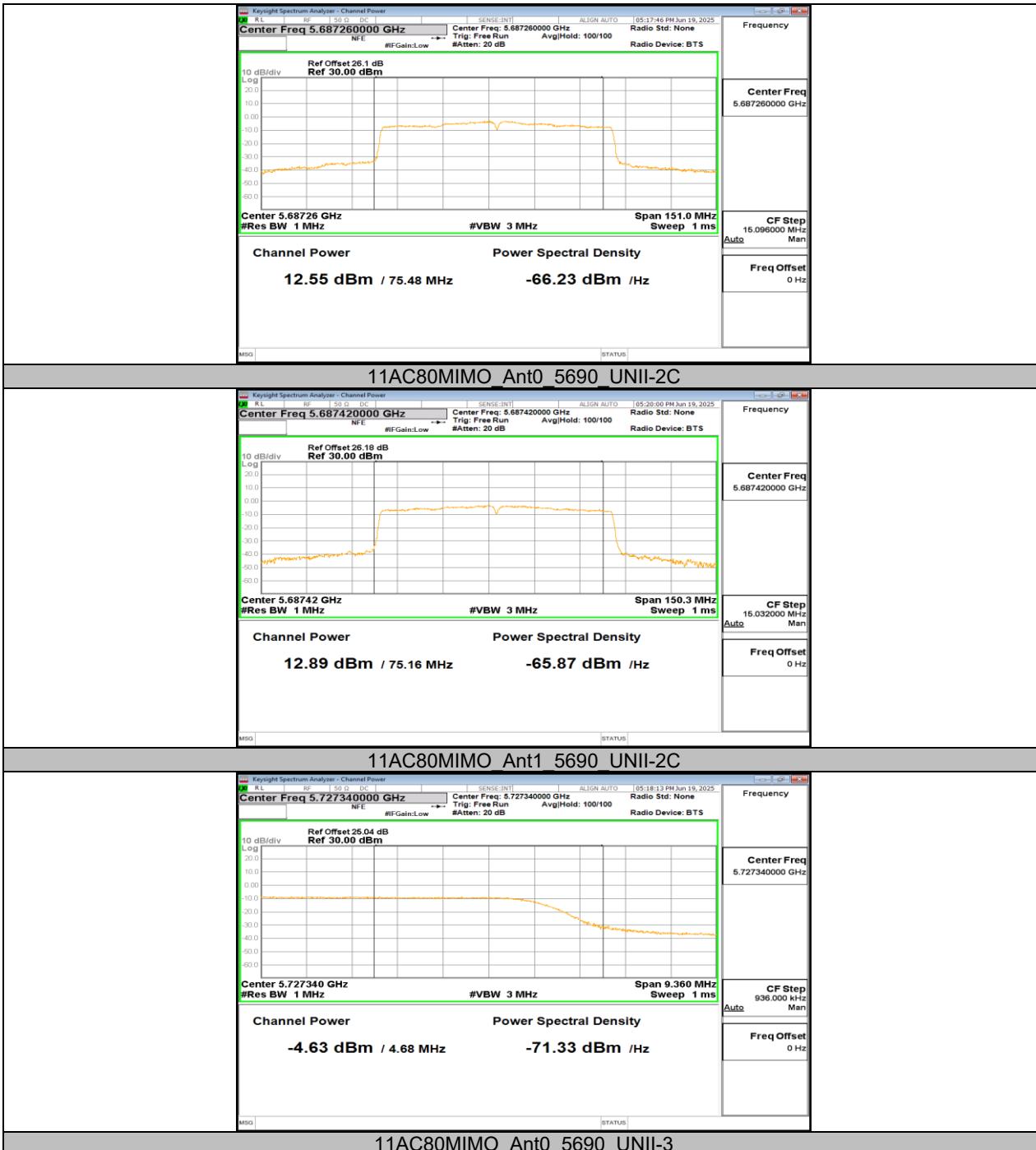
11.4.2. Test Graphs

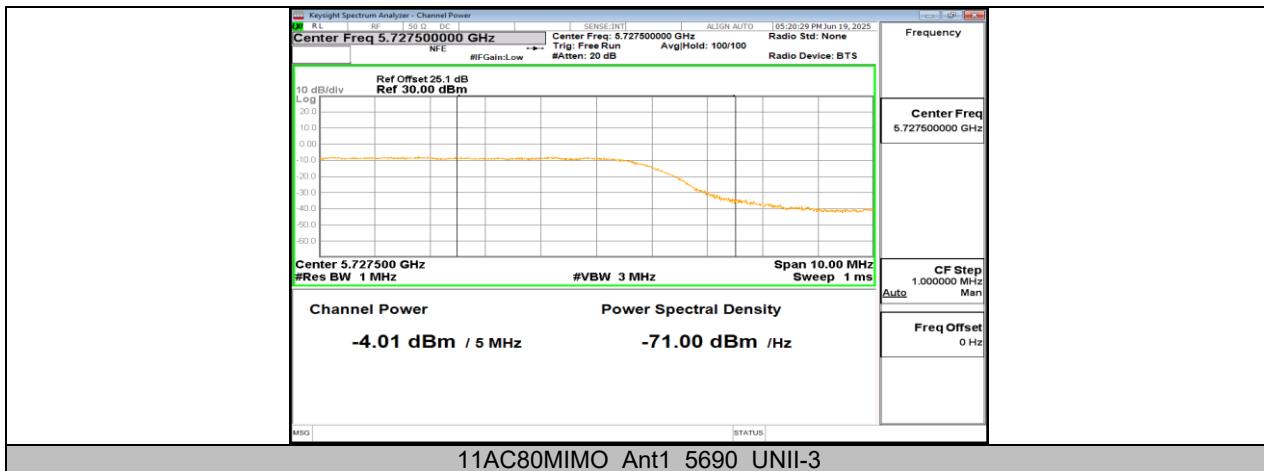












11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

11.5.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant0	5180	6.08	≤11.00	8.65	≤10.00	PASS
	Ant1	5180	6.14	≤11.00	8.94	≤10.00	PASS
	Ant0	5200	5.69	≤11.00	8.26	≤10.00	PASS
	Ant1	5200	6.47	≤11.00	9.27	≤10.00	PASS
	Ant0	5240	6.01	≤11.00	8.58	≤10.00	PASS
	Ant1	5240	6.79	≤11.00	9.59	≤10.00	PASS
	Ant0	5260	6.40	≤11.00	8.97	---	PASS
	Ant1	5260	6.87	≤11.00	9.67	---	PASS
	Ant0	5280	6.44	≤11.00	9.01	---	PASS
	Ant1	5280	7.07	≤11.00	9.87	---	PASS
	Ant0	5320	6.41	≤11.00	8.98	---	PASS
	Ant1	5320	7.49	≤11.00	10.29	---	PASS
	Ant0	5500	6.29	≤11.00	8.86	---	PASS
	Ant1	5500	5.85	≤11.00	8.65	---	PASS
	Ant0	5580	6.39	≤11.00	8.96	---	PASS
	Ant1	5580	6.33	≤11.00	9.13	---	PASS
	Ant0	5700	5.64	≤11.00	8.21	---	PASS
	Ant1	5700	6.18	≤11.00	8.98	---	PASS
	Ant0	5720 UNII-2C	5.97	≤11.00	8.54	---	PASS
	Ant1	5720 UNII-2C	5.99	≤11.00	8.79	---	PASS
	Ant0	5720 UNII-3	0.84	≤30.00	3.41	---	PASS
	Ant1	5720 UNII-3	1.33	≤30.00	4.13	---	PASS
	Ant0	5745	3.19	≤30.00	5.76	---	PASS
	Ant1	5745	3.57	≤30.00	6.37	---	PASS
	Ant0	5785	3.99	≤30.00	6.56	---	PASS
	Ant1	5785	3.86	≤30.00	6.66	---	PASS
	Ant0	5825	4.32	≤30.00	6.89	---	PASS
	Ant1	5825	4.31	≤30.00	7.11	---	PASS
11N20MIMO	Ant0	5180	0.92	≤11.00	3.72	≤10.00	PASS
	Ant1	5180	0.35	≤11.00	3.15	≤10.00	PASS
	total	5180	3.65	≤11.00	9.46	≤10.00	PASS
	Ant0	5200	0.74	≤11.00	3.54	≤10.00	PASS
	Ant1	5200	0.14	≤11.00	2.94	≤10.00	PASS
	total	5200	3.46	≤11.00	9.27	≤10.00	PASS
	Ant0	5240	0.73	≤11.00	3.53	≤10.00	PASS
	Ant1	5240	0.46	≤11.00	3.26	≤10.00	PASS
	total	5240	3.61	≤11.00	9.42	≤10.00	PASS
	Ant0	5260	4.42	≤11.00	7.22	---	PASS
	Ant1	5260	5.03	≤11.00	7.83	---	PASS
	total	5260	7.75	≤11.00	10.55	---	PASS
	Ant0	5280	4.71	≤11.00	7.51	---	PASS
	Ant1	5280	5.63	≤11.00	8.43	---	PASS
	total	5280	8.20	≤11.00	11.00	---	PASS
	Ant0	5320	4.58	≤11.00	7.38	---	PASS
	Ant1	5320	5.62	≤11.00	8.42	---	PASS
	total	5320	8.14	≤11.00	10.94	---	PASS
	Ant0	5500	4.52	≤11.00	7.32	---	PASS
	Ant1	5500	4.72	≤11.00	7.52	---	PASS
	total	5500	7.63	≤11.00	10.43	---	PASS
	Ant0	5580	4.80	≤11.00	7.60	---	PASS
	Ant1	5580	4.78	≤11.00	7.58	---	PASS
	total	5580	7.80	≤11.00	10.60	---	PASS
	Ant0	5700	3.73	≤11.00	6.53	---	PASS
	Ant1	5700	3.70	≤11.00	6.50	---	PASS
	total	5700	6.73	≤11.00	9.53	---	PASS

11N40MIMO	Ant0	5720 UNII-2C	4.88	≤11.00	7.68	---	PASS
	Ant1	5720 UNII-2C	4.51	≤11.00	7.31	---	PASS
	total	5720 UNII-2C	7.71	≤11.00	10.51	---	PASS
	Ant0	5720 UNII-3	-0.44	≤30.00	2.36	---	PASS
	Ant1	5720 UNII-3	0.04	≤30.00	2.84	---	PASS
	total	5720 UNII-3	2.82	≤30.00	5.62	---	PASS
	Ant0	5745	1.60	≤30.00	4.40	---	PASS
	Ant1	5745	2.10	≤30.00	4.90	---	PASS
	total	5745	4.87	≤30.00	7.67	---	PASS
	Ant0	5785	2.12	≤30.00	4.92	---	PASS
	Ant1	5785	2.36	≤30.00	5.16	---	PASS
	total	5785	5.25	≤30.00	8.05	---	PASS
	Ant0	5825	2.73	≤30.00	5.53	---	PASS
	Ant1	5825	2.52	≤30.00	5.32	---	PASS
	total	5825	5.64	≤30.00	8.44	---	PASS
	Ant0	5190	0.84	≤11.00	3.64	≤10.00	PASS
	Ant1	5190	0.25	≤11.00	3.05	≤10.00	PASS
	total	5190	3.57	≤11.00	9.38	≤10.00	PASS
	Ant0	5230	0.82	≤11.00	3.62	≤10.00	PASS
	Ant1	5230	0.60	≤11.00	3.40	≤10.00	PASS
	total	5230	3.72	≤11.00	9.53	≤10.00	PASS
	Ant0	5270	2.04	≤11.00	4.84	---	PASS
	Ant1	5270	2.92	≤11.00	5.72	---	PASS
	total	5270	5.51	≤11.00	8.31	---	PASS
	Ant0	5310	1.94	≤11.00	4.74	---	PASS
	Ant1	5310	2.50	≤11.00	5.30	---	PASS
	total	5310	5.24	≤11.00	8.04	---	PASS
	Ant0	5510	1.73	≤11.00	4.53	---	PASS
	Ant1	5510	2.38	≤11.00	5.18	---	PASS
	total	5510	5.08	≤11.00	7.88	---	PASS
	Ant0	5550	2.15	≤11.00	4.95	---	PASS
	Ant1	5550	2.15	≤11.00	4.95	---	PASS
	total	5550	5.16	≤11.00	7.96	---	PASS
	Ant0	5670	1.07	≤11.00	3.87	---	PASS
	Ant1	5670	2.07	≤11.00	4.87	---	PASS
	total	5670	4.61	≤11.00	7.41	---	PASS
	Ant0	5710 UNII-2C	1.28	≤11.00	4.08	---	PASS
	Ant1	5710 UNII-2C	1.61	≤11.00	4.41	---	PASS
	total	5710 UNII-2C	4.46	≤11.00	7.26	---	PASS
	Ant0	5710 UNII-3	-5.46	≤30.00	-2.66	---	PASS
	Ant1	5710 UNII-3	-4.08	≤30.00	-1.28	---	PASS
	total	5710 UNII-3	-1.71	≤30.00	1.09	---	PASS
	Ant0	5755	-0.65	≤30.00	2.15	---	PASS
	Ant1	5755	-0.65	≤30.00	2.15	---	PASS
	total	5755	2.36	≤30.00	5.16	---	PASS
	Ant0	5795	-0.02	≤30.00	2.78	---	PASS
	Ant1	5795	0.04	≤30.00	2.84	---	PASS
	total	5795	3.02	≤30.00	5.82	---	PASS
11AC80MIMO	Ant0	5210	-3.07	≤11.00	-0.27	≤10.00	PASS
	Ant1	5210	-2.43	≤11.00	0.37	≤10.00	PASS
	total	5210	0.27	≤11.00	6.08	≤10.00	PASS
	Ant0	5290	-2.80	≤11.00	0.00	---	PASS
	Ant1	5290	-2.23	≤11.00	0.57	---	PASS
	total	5290	0.50	≤11.00	3.30	---	PASS
	Ant0	5530	-3.10	≤11.00	-0.30	---	PASS
	Ant1	5530	-3.06	≤11.00	-0.26	---	PASS
	total	5530	-0.07	≤11.00	2.73	---	PASS
	Ant0	5610	-3.05	≤11.00	-0.25	---	PASS
	Ant1	5610	-2.03	≤11.00	0.77	---	PASS
	total	5610	0.50	≤11.00	3.30	---	PASS

	Ant0	5690 UNII-2C	-3.60	≤11.00	-0.80	---	PASS
	Ant1	5690 UNII-2C	-3.33	≤11.00	-0.53	---	PASS
	total	5690 UNII-2C	-0.45	≤11.00	2.35	---	PASS
	Ant0	5690 UNII-3	-10.34	≤30.00	-7.54	---	PASS
	Ant1	5690 UNII-3	-9.67	≤30.00	-6.87	---	PASS
	total	5690 UNII-3	-6.98	≤30.00	-4.18	---	PASS
	Ant0	5775	-5.10	≤30.00	-2.30	---	PASS
	Ant1	5775	-4.93	≤30.00	-2.13	---	PASS
	total	5775	-2.00	≤30.00	0.80	---	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 Graphs

