

















































**11.3. APPENDIX C: MIN EMISSION BANDWIDTH****11.3.1. Test Result**

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.440	5711.880	5728.320	0.5	PASS
	Ant2	5720	16.360	5711.880	5728.240	0.5	PASS
	Ant1	5720_UNII-3	3.32	5725	5728.320	0.5	PASS
	Ant2	5720_UNII-3	3.24	5725	5728.240	0.5	PASS
	Ant1	5745	16.400	5736.880	5753.280	0.5	PASS
	Ant2	5745	16.320	5736.920	5753.240	0.5	PASS
	Ant1	5785	16.040	5776.920	5792.960	0.5	PASS
	Ant2	5785	16.440	5776.800	5793.240	0.5	PASS
	Ant1	5825	16.440	5816.800	5833.240	0.5	PASS
	Ant2	5825	16.440	5816.800	5833.240	0.5	PASS
11N20MIMO	Ant1	5720	17.520	5711.320	5728.840	0.5	PASS
	Ant2	5720	16.520	5712.000	5728.520	0.5	PASS
	Ant1	5720_UNII-3	3.84	5725	5728.840	0.5	PASS
	Ant2	5720_UNII-3	3.52	5725	5728.520	0.5	PASS
	Ant1	5745	17.640	5736.280	5753.920	0.5	PASS
	Ant2	5745	17.520	5736.400	5753.920	0.5	PASS
	Ant1	5785	17.520	5776.360	5793.880	0.5	PASS
	Ant2	5785	17.560	5776.360	5793.920	0.5	PASS
	Ant1	5825	17.600	5816.280	5833.880	0.5	PASS
	Ant2	5825	17.520	5816.400	5833.920	0.5	PASS
11N40MIMO	Ant1	5710	35.280	5692.560	5727.840	0.5	PASS
	Ant2	5710	34.960	5692.640	5727.600	0.5	PASS
	Ant1	5710_UNII-3	2.84	5725	5727.840	0.5	PASS
	Ant2	5710_UNII-3	2.6	5725	5727.600	0.5	PASS
	Ant1	5755	36.160	5737.160	5773.320	0.5	PASS
	Ant2	5755	36.240	5737.000	5773.240	0.5	PASS
	Ant1	5795	36.080	5777.160	5813.240	0.5	PASS
	Ant2	5795	35.680	5777.560	5813.240	0.5	PASS
	Ant1	5690	73.280	5652.880	5726.160	0.5	PASS
	Ant2	5690	73.280	5653.840	5727.120	0.5	PASS
11AC80MIMO	Ant1	5690_UNII-3	1.16	5725	5726.160	0.5	PASS
	Ant2	5690_UNII-3	2.12	5725	5727.120	0.5	PASS
	Ant1	5775	73.120	5739.480	5812.600	0.5	PASS
	Ant2	5775	73.280	5739.800	5813.080	0.5	PASS

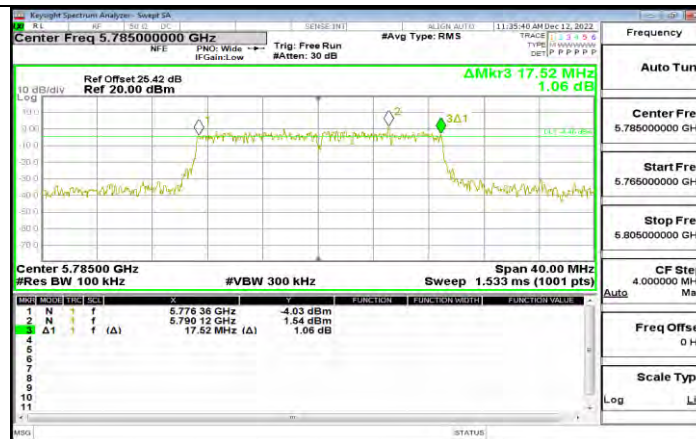
11.3.2. Test Graphs



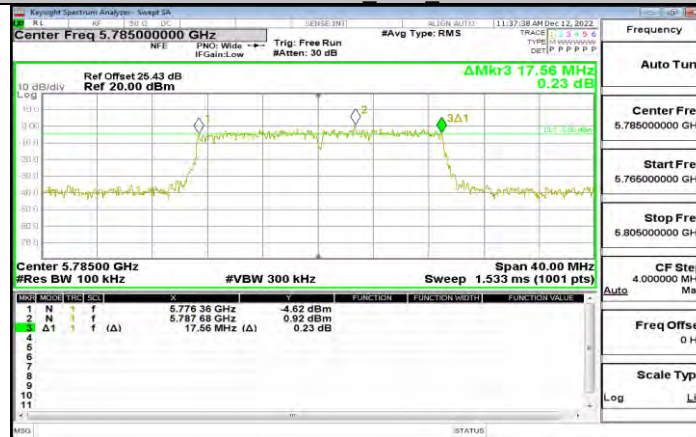








11N20MIMO Ant1 5785



11N20MIMO Ant2 5785

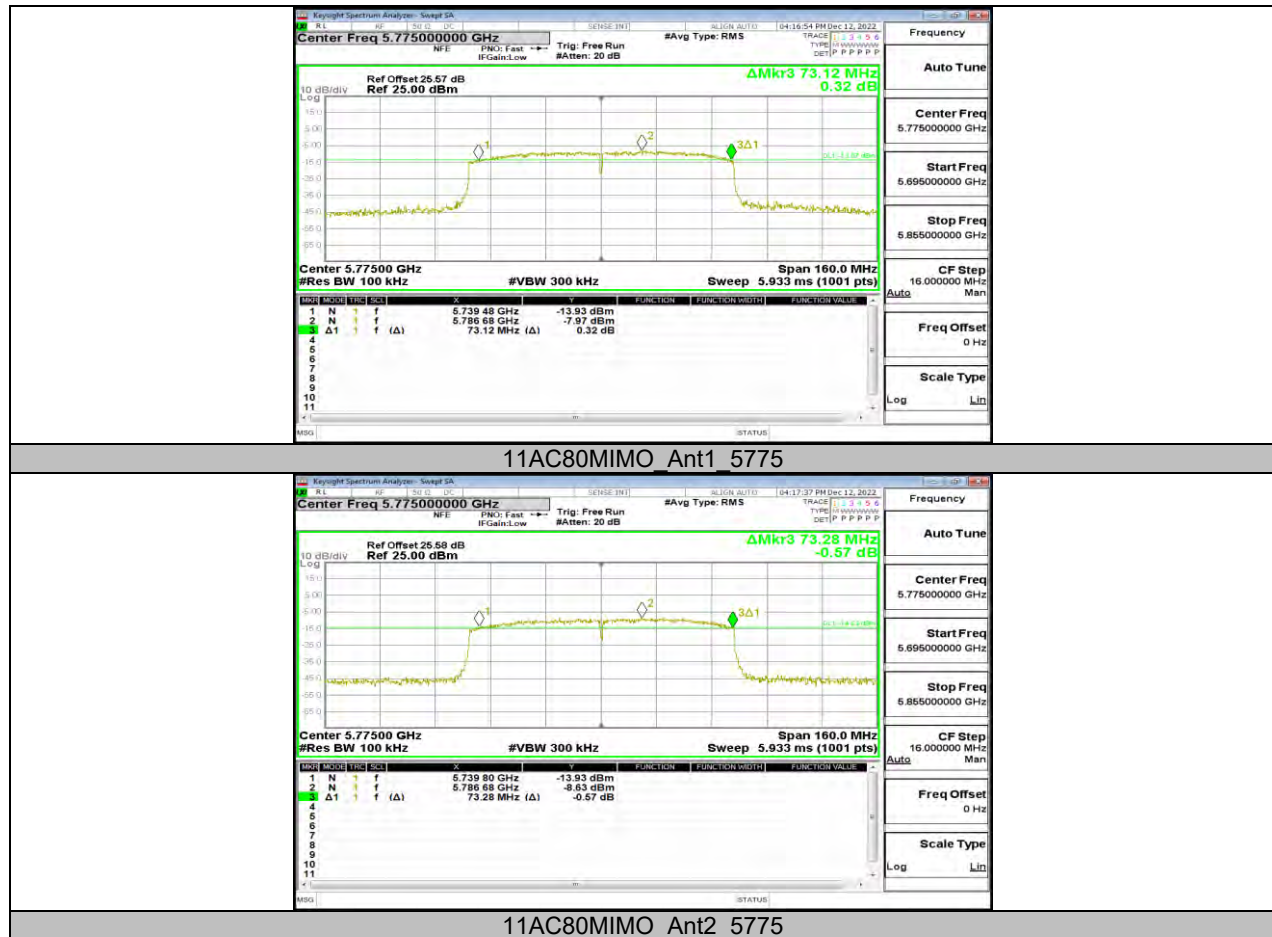


11N20MIMO Ant1 5825











11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	15.48	≤23.98	---	18.05	≤22.18	PASS
	Ant2	5180	14.97	≤23.98	---	17.54	≤22.16	PASS
	Ant1	5200	15.43	≤23.98	---	18.00	≤22.17	PASS
	Ant2	5200	15.21	≤23.98	---	17.78	≤22.16	PASS
	Ant1	5240	15.43	≤23.98	---	18.00	≤22.17	PASS
	Ant2	5240	15.49	≤23.98	---	18.06	≤22.17	PASS
	Ant1	5260	15.25	≤23.68	≤23.17	17.82	≤29.17	PASS
	Ant2	5260	15.38	≤23.64	≤23.17	17.95	≤29.17	PASS
	Ant1	5280	15.40	≤23.66	≤23.18	17.97	≤29.18	PASS
	Ant2	5280	15.57	≤23.57	≤23.18	18.14	≤29.18	PASS
	Ant1	5320	15.32	≤23.62	≤23.18	17.89	≤29.18	PASS
	Ant2	5320	15.22	≤23.56	≤23.17	17.79	≤29.17	PASS
	Ant1	5500	12.70	≤23.58	≤23.18	15.27	≤29.18	PASS
	Ant2	5500	13.06	≤23.56	≤23.17	15.63	≤29.17	PASS
	Ant1	5580	12.24	≤23.59	≤23.18	14.81	≤29.18	PASS
	Ant2	5580	12.29	≤23.61	≤23.17	14.86	≤29.17	PASS
	Ant1	5700	12.44	≤23.57	≤23.19	15.01	≤29.19	PASS
	Ant2	5700	12.70	≤23.64	≤23.19	15.27	≤29.19	PASS
	Ant1	5720_UNII-2C	12.20	≤22.46	≤22.18	14.77	≤28.18	PASS
	Ant2	5720_UNII-2C	12.33	≤22.42	≤22.19	14.90	≤28.19	PASS
	Ant1	5720_UNII-3	4.92	≤30.00	≤30.00	7.49	---	PASS
	Ant2	5720_UNII-3	3.45	≤30.00	≤30.00	6.02	---	PASS
	Ant1	5745	15.29	≤30.00	≤30.00	17.86	---	PASS
	Ant2	5745	15.22	≤30.00	≤30.00	17.79	---	PASS
	Ant1	5785	15.54	≤30.00	≤30.00	18.11	---	PASS
	Ant2	5785	15.20	≤30.00	≤30.00	17.77	---	PASS
	Ant1	5825	15.65	≤30.00	≤30.00	18.22	---	PASS
	Ant2	5825	15.36	≤30.00	≤30.00	17.93	---	PASS
11N20MIMO	Ant1	5180	12.52	≤23.98	---	15.09	≤22.46	PASS
	Ant2	5180	12.56	≤23.98	---	15.13	≤22.48	PASS
	total	5180	15.55	≤23.98	---	18.12	≤22.46	PASS
	Ant1	5200	12.61	≤23.98	---	15.18	≤22.47	PASS
	Ant2	5200	12.33	≤23.98	---	14.90	≤22.47	PASS
	total	5200	15.48	≤23.98	---	18.05	≤22.47	PASS
	Ant1	5240	12.27	≤23.98	---	14.84	≤22.47	PASS
	Ant2	5240	12.47	≤23.98	---	15.04	≤22.46	PASS
	total	5240	15.38	≤23.98	---	17.95	≤22.46	PASS
	Ant1	5260	14.50	≤23.81	≤23.46	17.07	≤29.46	PASS
	Ant2	5260	13.65	≤23.81	≤23.47	16.22	≤29.47	PASS
	total	5260	17.11	≤23.98	≤23.46	19.68	≤29.46	PASS
	Ant1	5280	14.28	≤23.90	≤23.47	16.85	≤29.47	PASS
	Ant2	5280	14.04	≤23.82	≤23.47	16.61	≤29.47	PASS
	total	5280	17.17	≤23.98	≤23.47	19.74	≤29.47	PASS
	Ant1	5320	14.22	≤23.90	≤23.47	16.79	≤29.47	PASS
	Ant2	5320	13.73	≤23.81	≤23.47	16.30	≤29.47	PASS
	total	5320	16.99	≤23.98	≤23.47	19.56	≤29.47	PASS
	Ant1	5500	14.12	≤23.81	≤23.46	16.69	≤29.46	PASS
	Ant2	5500	14.05	≤23.83	≤23.47	16.62	≤29.47	PASS
	total	5500	17.10	≤23.98	≤23.46	19.67	≤29.46	PASS
	Ant1	5580	14.01	≤23.85	≤23.48	16.58	≤29.48	PASS
	Ant2	5580	14.28	≤23.84	≤23.47	16.85	≤29.47	PASS
	total	5580	17.16	≤23.98	≤23.47	19.73	≤29.47	PASS
	Ant1	5700	13.67	≤23.82	≤23.47	16.24	≤29.47	PASS
	Ant2	5700	13.24	≤23.81	≤23.47	15.81	≤29.47	PASS



	total	5700	16.47	≤23.98	≤23.47	19.04	≤29.47	PASS
	Ant1	5720_UNII-2C	12.73	≤22.57	≤22.37	15.30	≤28.37	PASS
	Ant2	5720_UNII-2C	12.02	≤22.52	≤22.35	14.59	≤28.35	PASS
	total	5720_UNII-2C	15.40	≤23.98	≤22.35	17.97	≤28.35	PASS
	Ant1	5720_UNII-3	5.58	≤30.00	≤30.00	8.15	---	PASS
	Ant2	5720_UNII-3	4.57	≤30.00	≤30.00	7.14	---	PASS
	total	5720_UNII-3	8.11	≤30.00	≤30.00	10.68	---	PASS
	Ant1	5745	14.02	≤30.00	≤30.00	16.59	---	PASS
	Ant2	5745	14.08	≤30.00	≤30.00	16.65	---	PASS
	total	5745	17.06	≤30.00	≤30.00	19.63	---	PASS
	Ant1	5785	13.94	≤30.00	≤30.00	16.51	---	PASS
	Ant2	5785	14.06	≤30.00	≤30.00	16.63	---	PASS
	total	5785	17.01	≤30.00	≤30.00	19.58	---	PASS
	Ant1	5825	14.11	≤30.00	≤30.00	16.68	---	PASS
	Ant2	5825	14.19	≤30.00	≤30.00	16.76	---	PASS
	total	5825	17.16	≤30.00	≤30.00	19.73	---	PASS
11N40MIMO	Ant1	5190	13.87	≤23.98	---	16.44	≤23	PASS
	Ant2	5190	13.83	≤23.98	---	16.40	≤23	PASS
	total	5190	16.86	≤23.98	---	19.43	≤23	PASS
	Ant1	5230	14.23	≤23.98	---	16.80	≤23	PASS
	Ant2	5230	13.61	≤23.98	---	16.18	≤23	PASS
	total	5230	16.94	≤23.98	---	19.51	≤23	PASS
	Ant1	5270	14.35	≤23.98	≤23.98	16.92	≤30	PASS
	Ant2	5270	13.91	≤23.98	≤23.98	16.48	≤30	PASS
	total	5270	17.15	≤23.98	≤23.98	19.72	≤30	PASS
	Ant1	5310	14.40	≤23.98	≤23.98	16.97	≤30	PASS
	Ant2	5310	14.44	≤23.98	≤23.98	17.01	≤30	PASS
	total	5310	17.43	≤23.98	≤23.98	20.00	≤30	PASS
	Ant1	5510	13.62	≤23.98	≤23.98	16.19	≤30	PASS
	Ant2	5510	13.29	≤23.98	≤23.98	15.86	≤30	PASS
	total	5510	16.47	≤23.98	≤23.98	19.04	≤30	PASS
	Ant1	5550	14.10	≤23.98	≤23.98	16.67	≤30	PASS
	Ant2	5550	14.31	≤23.98	≤23.98	16.88	≤30	PASS
	total	5550	17.22	≤23.98	≤23.98	19.79	≤30	PASS
	Ant1	5670	14.19	≤23.98	≤23.98	16.76	≤30	PASS
	Ant2	5670	14.33	≤23.98	≤23.98	16.90	≤30	PASS
	total	5670	17.27	≤23.98	≤23.98	19.84	≤30	PASS
	Ant1	5710_UNII-2C	13.43	≤23.98	≤23.98	16.00	≤30	PASS
	Ant2	5710_UNII-2C	13.63	≤23.98	≤23.98	16.20	≤30	PASS
	total	5710_UNII-2C	16.54	≤23.98	≤23.98	19.11	≤30	PASS
	Ant1	5710_UNII-3	-0.77	≤30.00	≤30.00	1.80	---	PASS
	Ant2	5710_UNII-3	-0.64	≤30.00	≤30.00	1.93	---	PASS
	total	5710_UNII-3	2.31	≤30.00	≤30.00	4.88	---	PASS
	Ant1	5755	14.83	≤30.00	≤30.00	17.40	---	PASS
	Ant2	5755	14.09	≤30.00	≤30.00	16.66	---	PASS
	total	5755	17.49	≤30.00	≤30.00	20.06	---	PASS
	Ant1	5795	14.53	≤30.00	≤30.00	17.10	---	PASS
	Ant2	5795	14.61	≤30.00	≤30.00	17.18	---	PASS
	total	5795	17.58	≤30.00	≤30.00	20.15	---	PASS
11AC80MIMO	Ant1	5210	14.54	≤23.98	---	17.11	≤23	PASS
	Ant2	5210	14.52	≤23.98	---	17.09	≤23	PASS
	total	5210	17.54	≤23.98	---	20.11	≤23	PASS
	Ant1	5290	14.86	≤23.98	≤23.98	17.43	≤30	PASS
	Ant2	5290	13.52	≤23.98	≤23.98	16.09	≤30	PASS
	total	5290	17.25	≤23.98	≤23.98	19.82	≤30	PASS
	Ant1	5530	14.43	≤23.98	≤23.98	17.00	≤30	PASS
	Ant2	5530	14.23	≤23.98	≤23.98	16.80	≤30	PASS



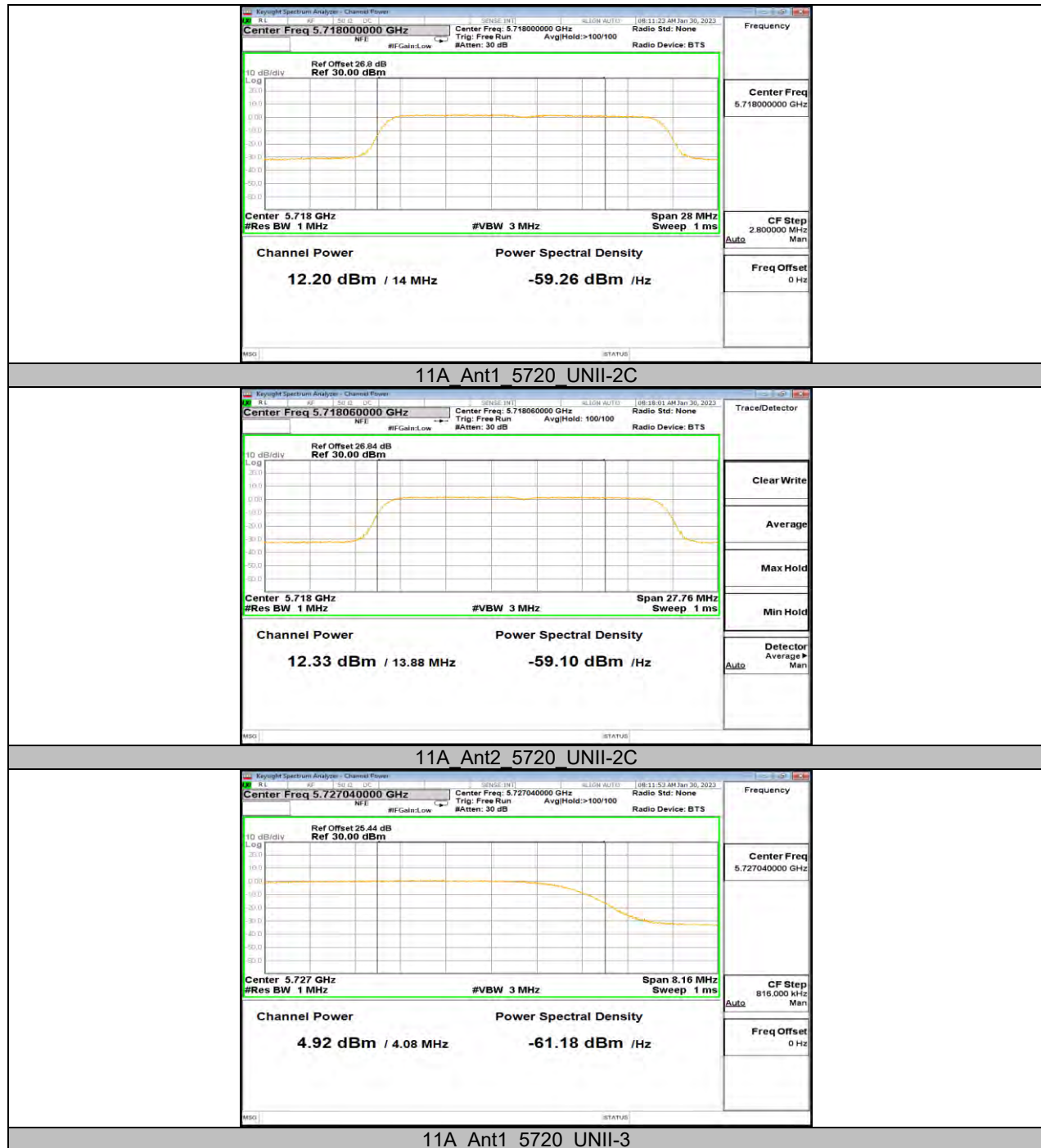
	total	5530	17.34	≤23.98	≤23.98	19.91	≤30	PASS
	Ant1	5610	14.25	≤23.98	≤23.98	16.82	≤30	PASS
	Ant2	5610	14.49	≤23.98	≤23.98	17.06	≤30	PASS
	total	5610	17.38	≤23.98	≤23.98	19.95	≤30	PASS
	Ant1	5690_UNII-2C	13.41	≤23.98	≤23.98	15.98	≤30	PASS
	Ant2	5690_UNII-2C	13.66	≤23.98	≤23.98	16.23	≤30	PASS
	total	5690_UNII-2C	16.55	≤23.98	≤23.98	19.12	≤30	PASS
	Ant1	5690_UNII-3	-8.56	≤30.00	≤30.00	-5.99	---	PASS
	Ant2	5690_UNII-3	-8.12	≤30.00	≤30.00	-5.55	---	PASS
	total	5690_UNII-3	-5.32	≤30.00	≤30.00	-2.75	---	PASS
	Ant1	5775	14.62	≤30.00	≤30.00	17.19	---	PASS
	Ant2	5775	14.70	≤30.00	≤30.00	17.27	---	PASS
	total	5775	17.67	≤30.00	≤30.00	20.24	---	PASS

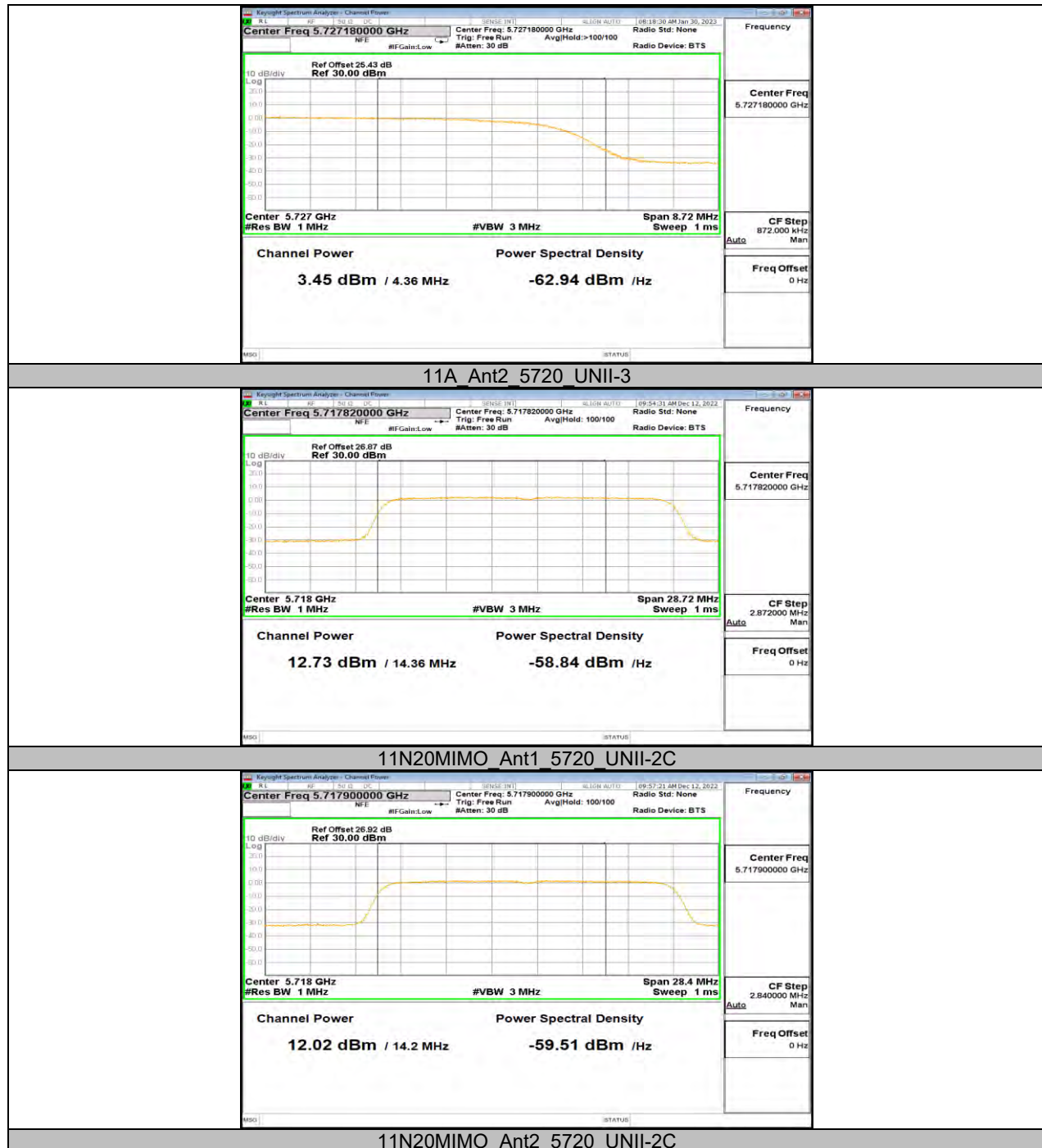
Note: 1. Conducted Power=Meas. Level+ Correction Factor

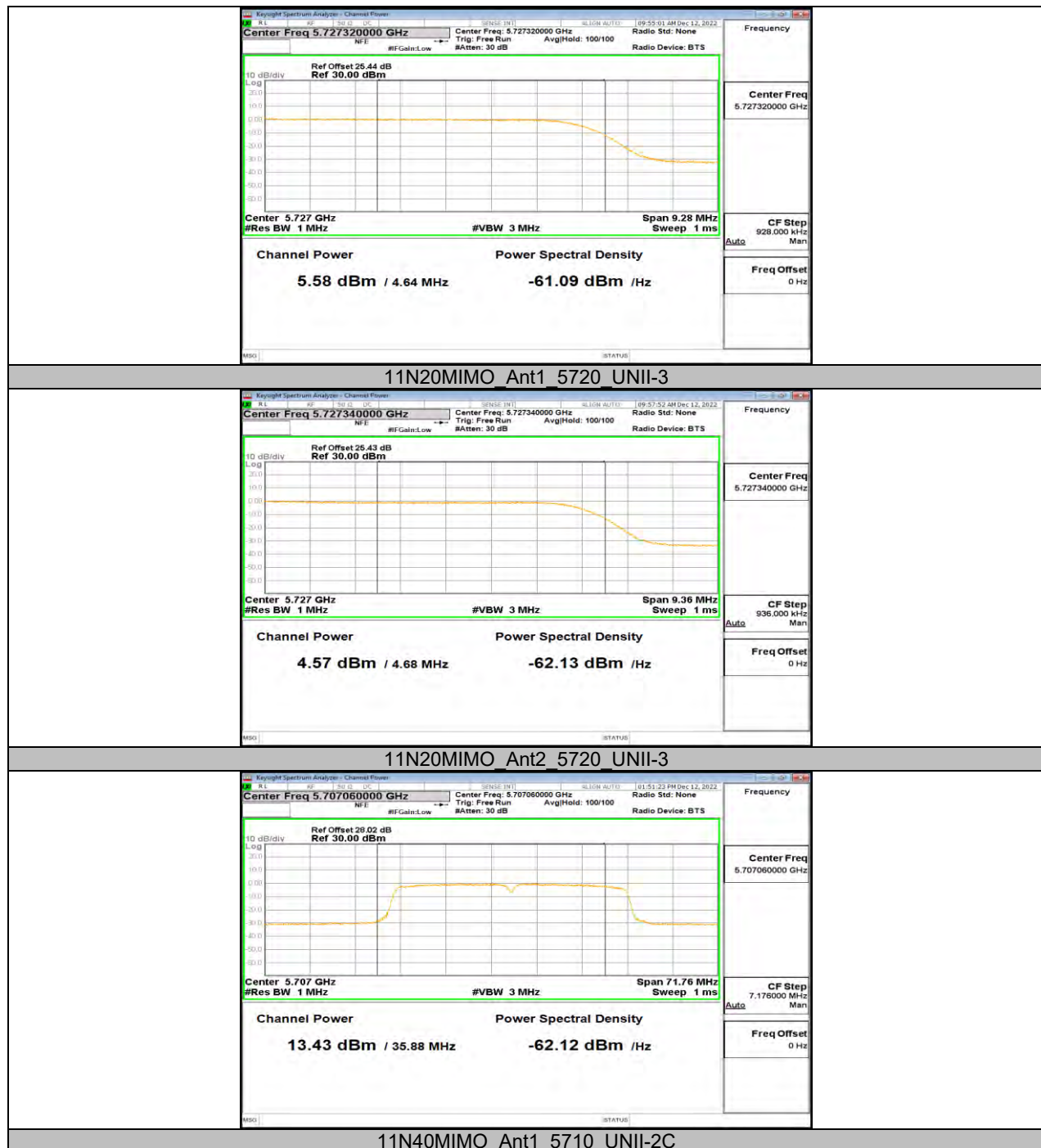
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

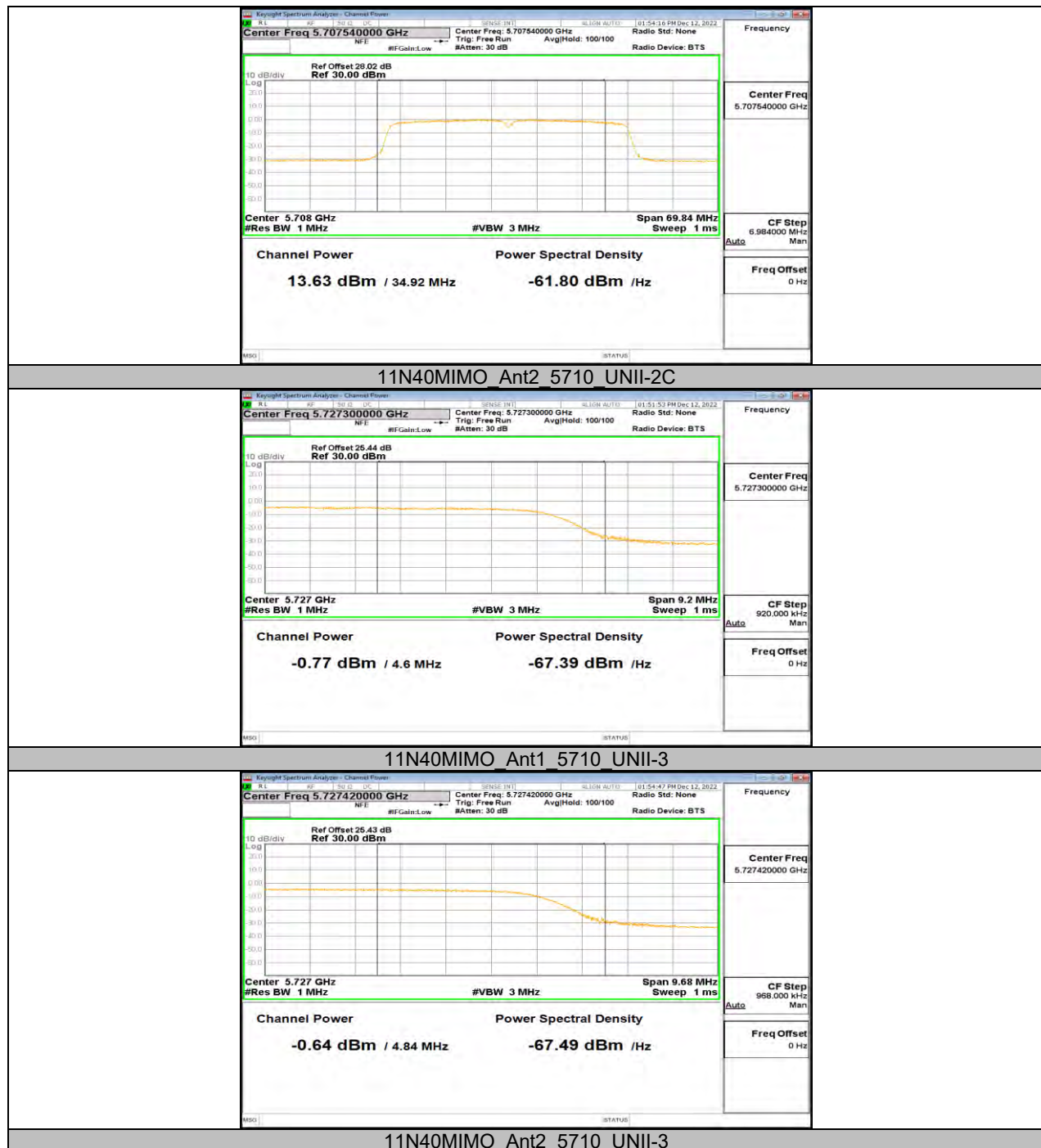


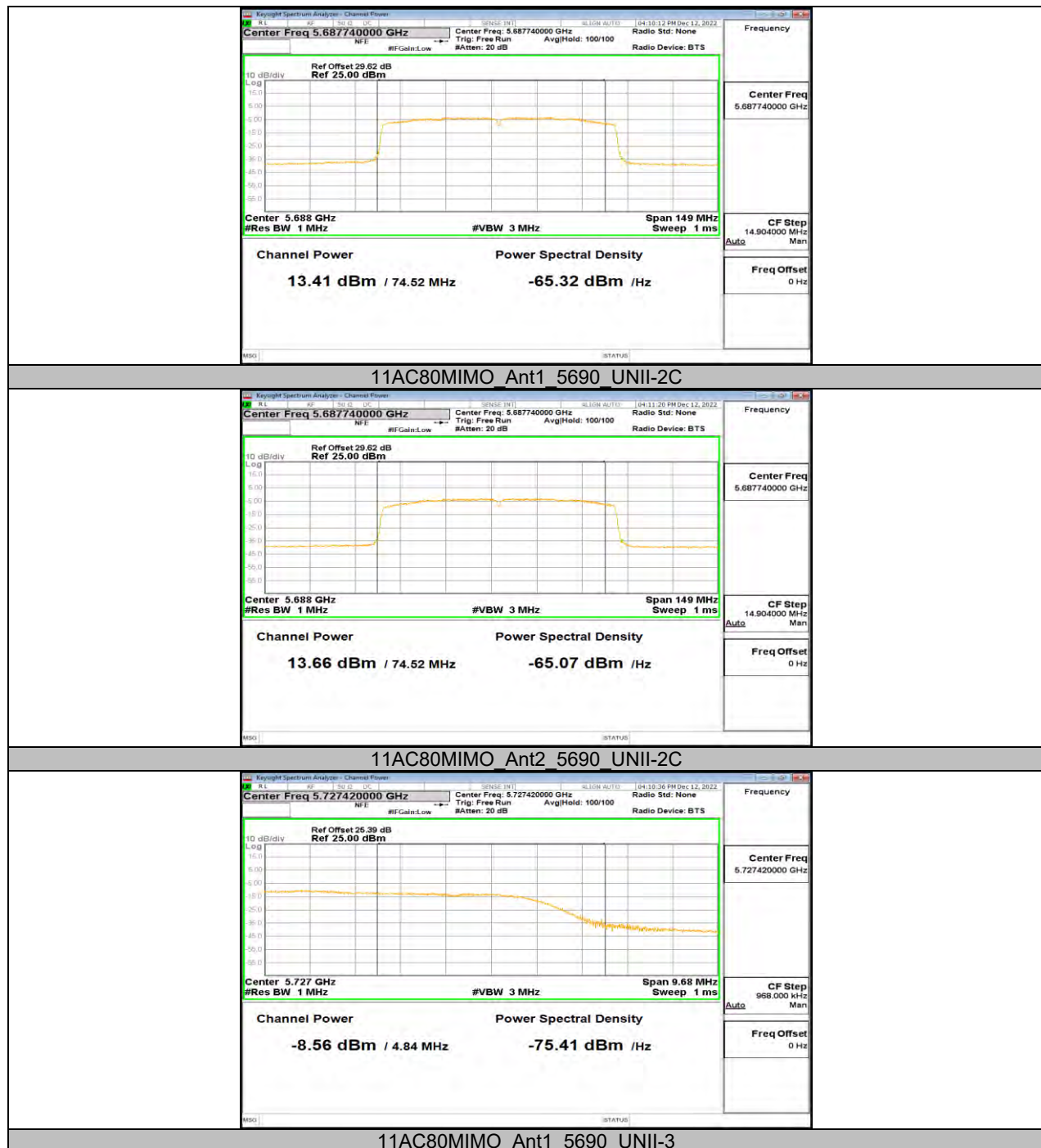
11.4.2. Test Graphs

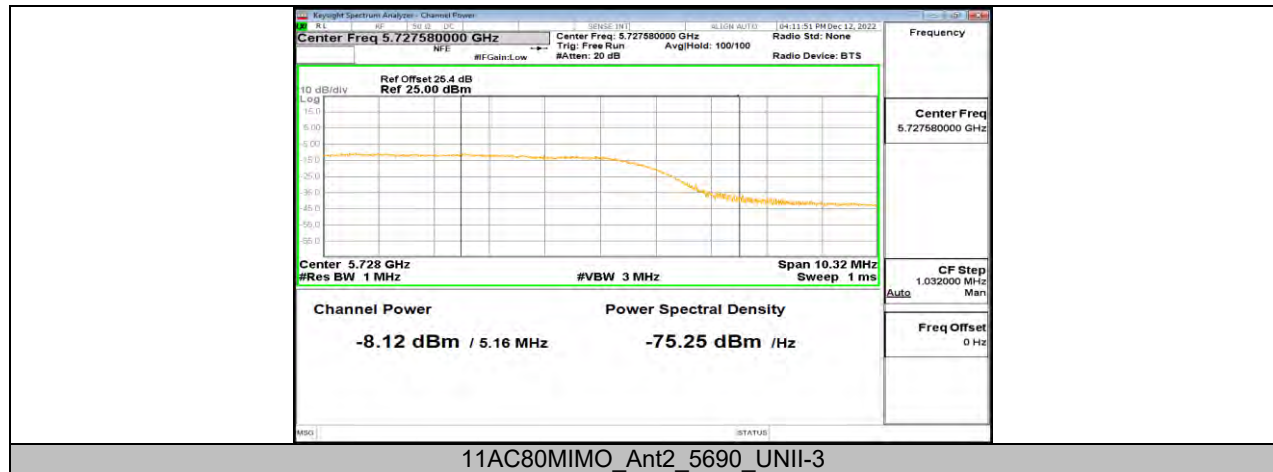












**11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY****11.5.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	4.32	≤11.00	6.89	≤10.00	PASS
	Ant2	5180	4.14	≤11.00	6.71	≤10.00	PASS
	Ant1	5200	4.2	≤11.00	6.77	≤10.00	PASS
	Ant2	5200	4.6	≤11.00	7.17	≤10.00	PASS
	Ant1	5240	4.31	≤11.00	6.88	≤10.00	PASS
	Ant2	5240	4.85	≤11.00	7.42	≤10.00	PASS
	Ant1	5260	4.22	≤11.00	6.79	---	PASS
	Ant2	5260	4.65	≤11.00	7.22	---	PASS
	Ant1	5280	4.36	≤11.00	6.93	---	PASS
	Ant2	5280	4.71	≤11.00	7.28	---	PASS
	Ant1	5320	3.92	≤11.00	6.49	---	PASS
	Ant2	5320	4.69	≤11.00	7.26	---	PASS
	Ant1	5500	1.49	≤11.00	4.06	---	PASS
	Ant2	5500	1.99	≤11.00	4.56	---	PASS
	Ant1	5580	1.61	≤11.00	4.18	---	PASS
	Ant2	5580	1.43	≤11.00	4.00	---	PASS
	Ant1	5700	1.57	≤11.00	4.14	---	PASS
	Ant2	5700	1.59	≤11.00	4.16	---	PASS
	Ant1	5720_UNII-2C	2.48	≤11.00	5.05	---	PASS
	Ant2	5720_UNII-2C	2.36	≤11.00	4.93	---	PASS
	Ant1	5720_UNII-3	-1.76	≤30.00	0.81	---	PASS
	Ant2	5720_UNII-3	-1.40	≤30.00	1.16	---	PASS
	Ant1	5745	1.89	≤30.00	4.46	---	PASS
	Ant2	5745	1.83	≤30.00	4.40	---	PASS
	Ant1	5785	1.9	≤30.00	4.47	---	PASS
	Ant2	5785	1.86	≤30.00	4.43	---	PASS
	Ant1	5825	1.88	≤30.00	4.45	---	PASS
	Ant2	5825	1.37	≤30.00	3.94	---	PASS
11N20MIMO	Ant1	5180	1.07	≤11.00	3.64	≤10.00	PASS
	Ant2	5180	1.37	≤11.00	3.94	≤10.00	PASS
	total	5180	4.23	≤11.00	6.80	≤10.00	PASS
	Ant1	5200	1.2	≤11.00	3.77	≤10.00	PASS
	Ant2	5200	1.27	≤11.00	3.84	≤10.00	PASS
	total	5200	4.25	≤11.00	6.82	≤10.00	PASS
	Ant1	5240	1.13	≤11.00	3.70	≤10.00	PASS
	Ant2	5240	1.38	≤11.00	3.95	≤10.00	PASS
	total	5240	4.27	≤11.00	6.84	≤10.00	PASS
	Ant1	5260	3.11	≤11.00	5.68	---	PASS
	Ant2	5260	2.7	≤11.00	5.27	---	PASS
	total	5260	5.92	≤11.00	8.49	---	PASS
	Ant1	5280	3.03	≤11.00	5.60	---	PASS
	Ant2	5280	2.55	≤11.00	5.12	---	PASS
	total	5280	5.81	≤11.00	8.38	---	PASS
	Ant1	5320	2.95	≤11.00	5.52	---	PASS
	Ant2	5320	2.51	≤11.00	5.08	---	PASS
	total	5320	5.75	≤11.00	8.32	---	PASS
	Ant1	5500	2.61	≤11.00	5.18	---	PASS
	Ant2	5500	2.53	≤11.00	5.10	---	PASS
	total	5500	5.58	≤11.00	8.15	---	PASS
	Ant1	5580	2.68	≤11.00	5.25	---	PASS
	Ant2	5580	3.01	≤11.00	5.58	---	PASS
	total	5580	5.86	≤11.00	8.43	---	PASS
	Ant1	5700	2.57	≤11.00	5.14	---	PASS
	Ant2	5700	1.54	≤11.00	4.11	---	PASS
	total	5700	5.10	≤11.00	7.67	---	PASS



	Ant1	5720_UNII-2C	2.65	≤11.00	5.22	---	PASS
	Ant2	5720_UNII-2C	2.04	≤11.00	4.61	---	PASS
	total	5720_UNII-2C	5.37	≤11.00	7.94	---	PASS
	Ant1	5720_UNII-3	-0.76	≤30.00	1.81	---	PASS
	Ant2	5720_UNII-3	-1.14	≤30.00	1.43	---	PASS
	total	5720_UNII-3	2.06	≤11.00	4.63	---	PASS
	Ant1	5745	-0.28	≤30.00	2.29	---	PASS
	Ant2	5745	0.19	≤30.00	2.76	---	PASS
	total	5745	2.97	≤30.00	5.54	---	PASS
	Ant1	5785	-0.08	≤30.00	2.49	---	PASS
	Ant2	5785	-0.55	≤30.00	2.02	---	PASS
	total	5785	2.70	≤30.00	5.27	---	PASS
	Ant1	5825	-0.2	≤30.00	2.37	---	PASS
	Ant2	5825	0.19	≤30.00	2.76	---	PASS
	total	5825	3.01	≤30.00	5.58	---	PASS
11N40MIMO	Ant1	5190	0.26	≤11.00	2.83	≤10.00	PASS
	Ant2	5190	-0.41	≤11.00	2.16	≤10.00	PASS
	total	5190	2.95	≤11.00	5.52	≤10.00	PASS
	Ant1	5230	0.82	≤11.00	3.39	≤10.00	PASS
	Ant2	5230	0.99	≤11.00	3.56	≤10.00	PASS
	total	5230	3.92	≤11.00	6.49	≤10.00	PASS
	Ant1	5270	0.37	≤11.00	2.94	---	PASS
	Ant2	5270	0.03	≤11.00	2.60	---	PASS
	total	5270	3.21	≤11.00	5.78	---	PASS
	Ant1	5310	0.67	≤11.00	3.24	---	PASS
	Ant2	5310	0.41	≤11.00	2.98	---	PASS
	total	5310	3.55	≤11.00	6.12	---	PASS
	Ant1	5510	-0.4	≤11.00	2.17	---	PASS
	Ant2	5510	-1.32	≤11.00	1.25	---	PASS
	total	5510	2.17	≤11.00	4.74	---	PASS
	Ant1	5550	-0.32	≤11.00	2.25	---	PASS
	Ant2	5550	-0.24	≤11.00	2.33	---	PASS
	total	5550	2.73	≤11.00	5.30	---	PASS
	Ant1	5670	0.23	≤11.00	2.80	---	PASS
	Ant2	5670	0.65	≤11.00	3.22	---	PASS
	total	5670	3.46	≤11.00	6.03	---	PASS
	Ant1	5710_UNII-2C	0.23	≤11.00	2.80	---	PASS
	Ant2	5710_UNII-2C	0.04	≤11.00	2.61	---	PASS
	total	5710_UNII-2C	3.15	≤11.00	5.72	---	PASS
	Ant1	5710_UNII-3	-5.56	≤30.00	-2.99	---	PASS
	Ant2	5710_UNII-3	-5.04	≤30.00	-2.47	---	PASS
	total	5710_UNII-3	-2.28	≤11.00	0.29	---	PASS
	Ant1	5755	-2.12	≤30.00	0.45	---	PASS
	Ant2	5755	-2.14	≤30.00	0.43	---	PASS
	total	5755	0.88	≤30.00	3.45	---	PASS
	Ant1	5795	-1.87	≤30.00	0.70	---	PASS
	Ant2	5795	-1.58	≤30.00	0.99	---	PASS
	total	5795	1.29	≤30.00	3.86	---	PASS
11AC80MIMO	Ant1	5210	-2.43	≤11.00	0.14	≤10.00	PASS
	Ant2	5210	-2.92	≤11.00	-0.35	≤10.00	PASS
	total	5210	0.34	≤11.00	2.91	≤10.00	PASS
	Ant1	5290	-2.24	≤11.00	0.33	---	PASS
	Ant2	5290	-2.18	≤11.00	0.39	---	PASS
	total	5290	0.80	≤11.00	3.37	---	PASS
	Ant1	5530	-2.15	≤11.00	0.42	---	PASS
	Ant2	5530	-2.39	≤11.00	0.18	---	PASS
	total	5530	0.74	≤11.00	3.31	---	PASS



	Ant1	5610	-2.85	≤ 11.00	-0.28	---	PASS
	Ant2	5610	-2.47	≤ 11.00	0.10	---	PASS
	total	5610	0.35	≤ 11.00	2.92	---	PASS
	Ant1	5690_UNII-2C	-3.65	≤ 11.00	-1.08	---	PASS
	Ant2	5690_UNII-2C	-2.84	≤ 11.00	-0.27	---	PASS
	total	5690_UNII-2C	-0.22	≤ 11.00	2.35	---	PASS
	Ant1	5690_UNII-3	-11.06	≤ 30.00	-8.49	---	PASS
	Ant2	5690_UNII-3	-11.48	≤ 30.00	-8.91	---	PASS
	total	5690_UNII-3	-8.25	≤ 11.00	-5.68	---	PASS
	Ant1	5775	-4.3	≤ 30.00	-1.73	---	PASS
	Ant2	5775	-4.49	≤ 30.00	-1.92	---	PASS
	total	5775	-1.38	≤ 30.00	1.19	---	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

