

































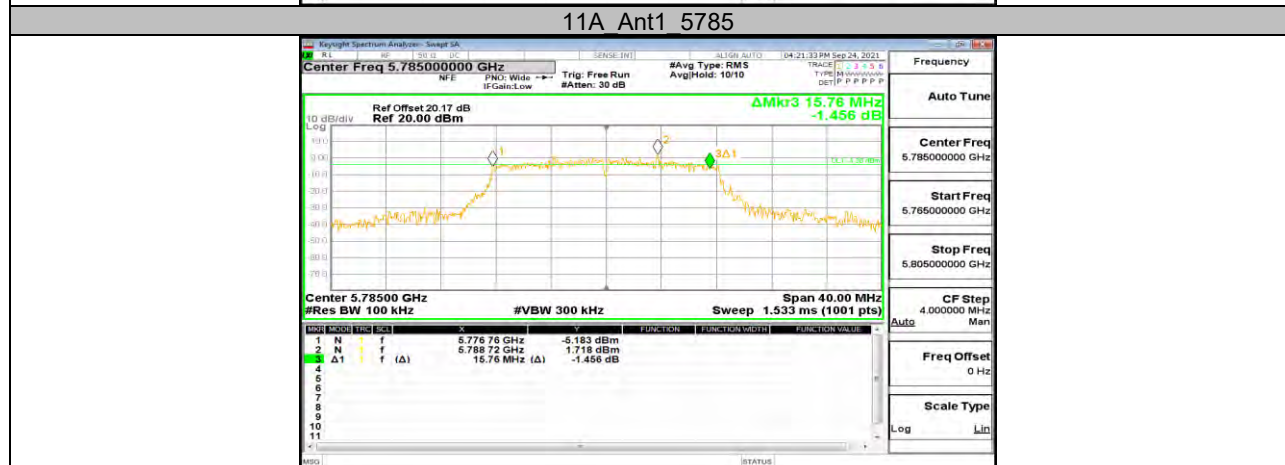
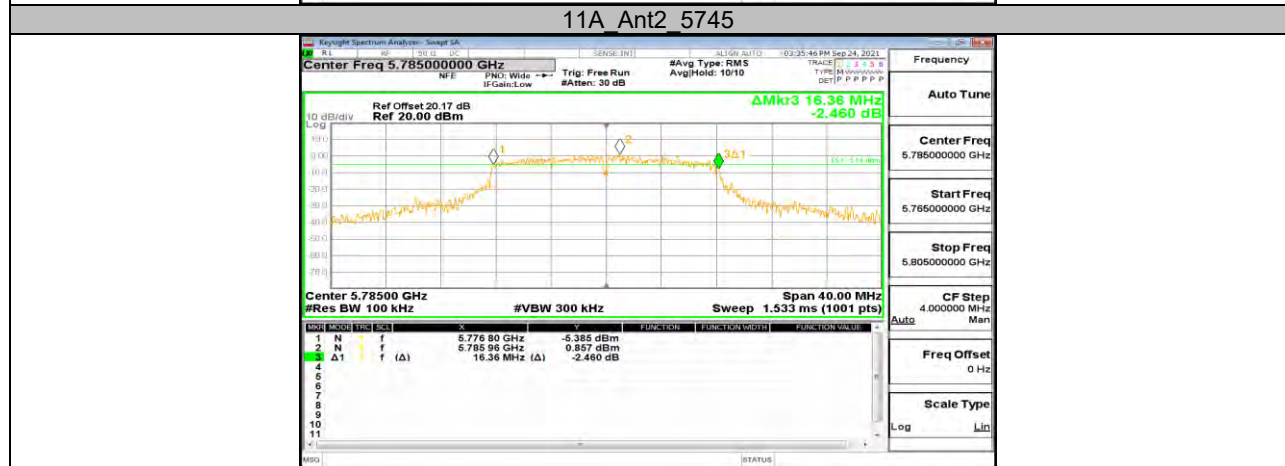


**12.3. Appendix A3: Min emission bandwidth****12.3.1. Test Result**

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A20	Ant1	5720 _{UNII-} 3	3.12	5725	5728.120	0.5	PASS
	Ant2	5720 _{UNII-} 3	3.12	5725	5728.120	0.5	PASS
	Ant1	5745	16.200	5736.760	5752.960	0.5	PASS
	Ant2	5745	15.800	5736.760	5752.560	0.5	PASS
	Ant1	5785	16.360	5776.800	5793.160	0.5	PASS
	Ant2	5785	15.760	5776.760	5792.520	0.5	PASS
	Ant1	5825	16.360	5816.800	5833.160	0.5	PASS
	Ant2	5825	16.400	5816.760	5833.160	0.5	PASS
11N20MIMO	Ant1	5720 _{UNII-} 3	3.76	5725	5728.760	0.5	PASS
	Ant2	5720 _{UNII-} 3	3.28	5725	5728.280	0.5	PASS
	Ant1	5745	17.120	5736.400	5753.520	0.5	PASS
	Ant2	5745	17.680	5736.120	5753.800	0.5	PASS
	Ant1	5785	17.440	5776.360	5793.800	0.5	PASS
	Ant2	5785	17.240	5776.160	5793.400	0.5	PASS
	Ant1	5825	17.640	5816.160	5833.800	0.5	PASS
	Ant2	5825	17.000	5816.120	5833.120	0.5	PASS
11N40MIMO	Ant1	5710 _{UNII-} 3	2.6	5725	5727.600	0.5	PASS
	Ant2	5710 _{UNII-} 3	3.16	5725	5728.160	0.5	PASS
	Ant1	5755	36.240	5737.000	5773.240	0.5	PASS
	Ant2	5755	35.520	5737.080	5772.600	0.5	PASS
	Ant1	5795	35.680	5777.000	5812.680	0.5	PASS
	Ant2	5795	36.080	5777.080	5813.160	0.5	PASS
11AC80MIMO	Ant1	5690 _{UNII-} 3	2.6	5725	5727.600	0.5	PASS
	Ant2	5690 _{UNII-} 3	2.6	5725	5727.600	0.5	PASS
	Ant1	5775	75.200	5737.880	5813.080	0.5	PASS
	Ant2	5775	75.360	5737.240	5812.600	0.5	PASS

12.3.2. Test Graphs



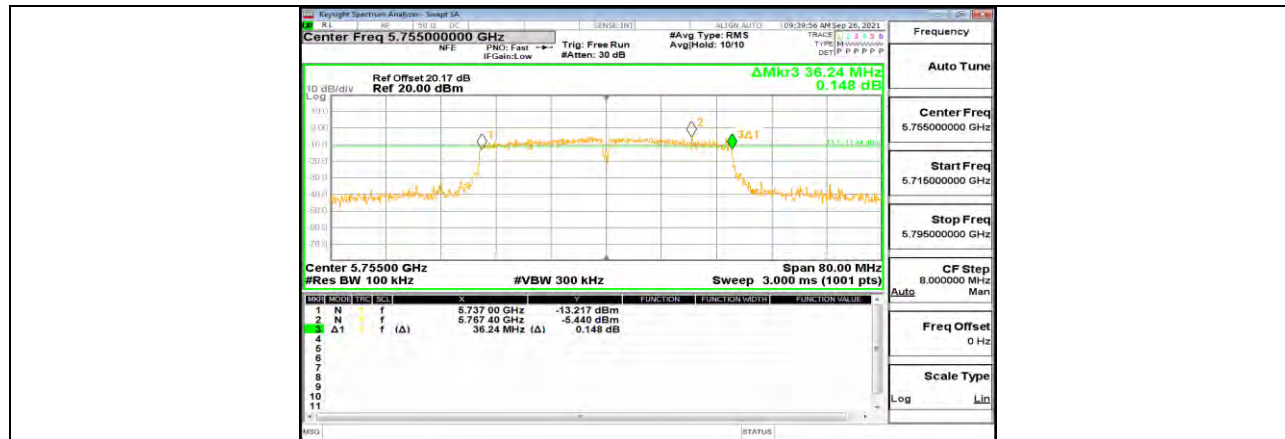




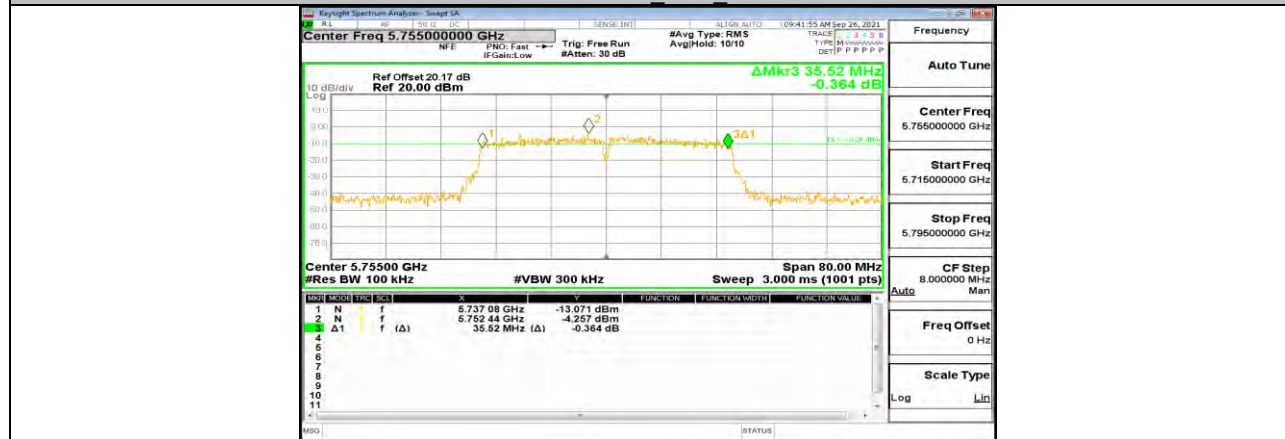




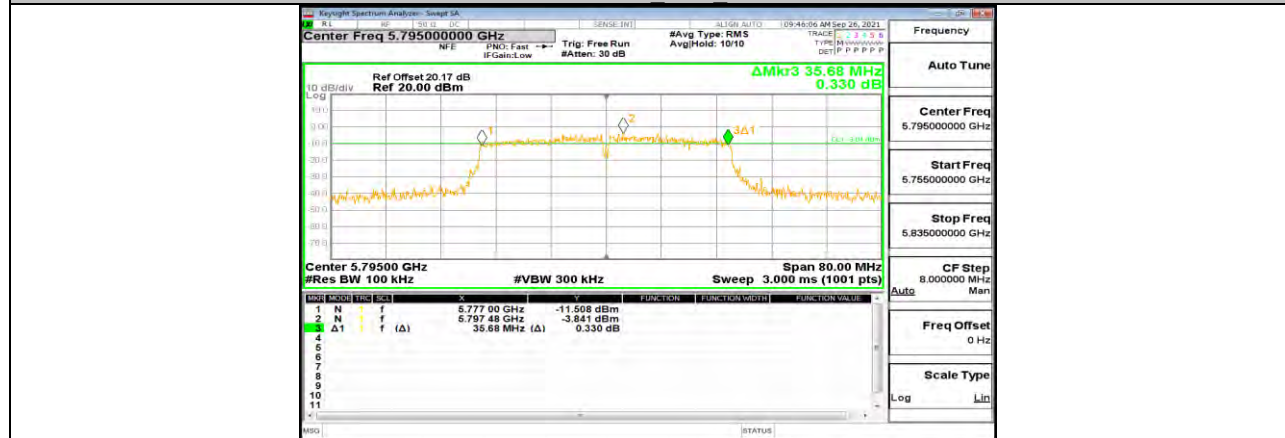




11N40MIMO Ant1 5755

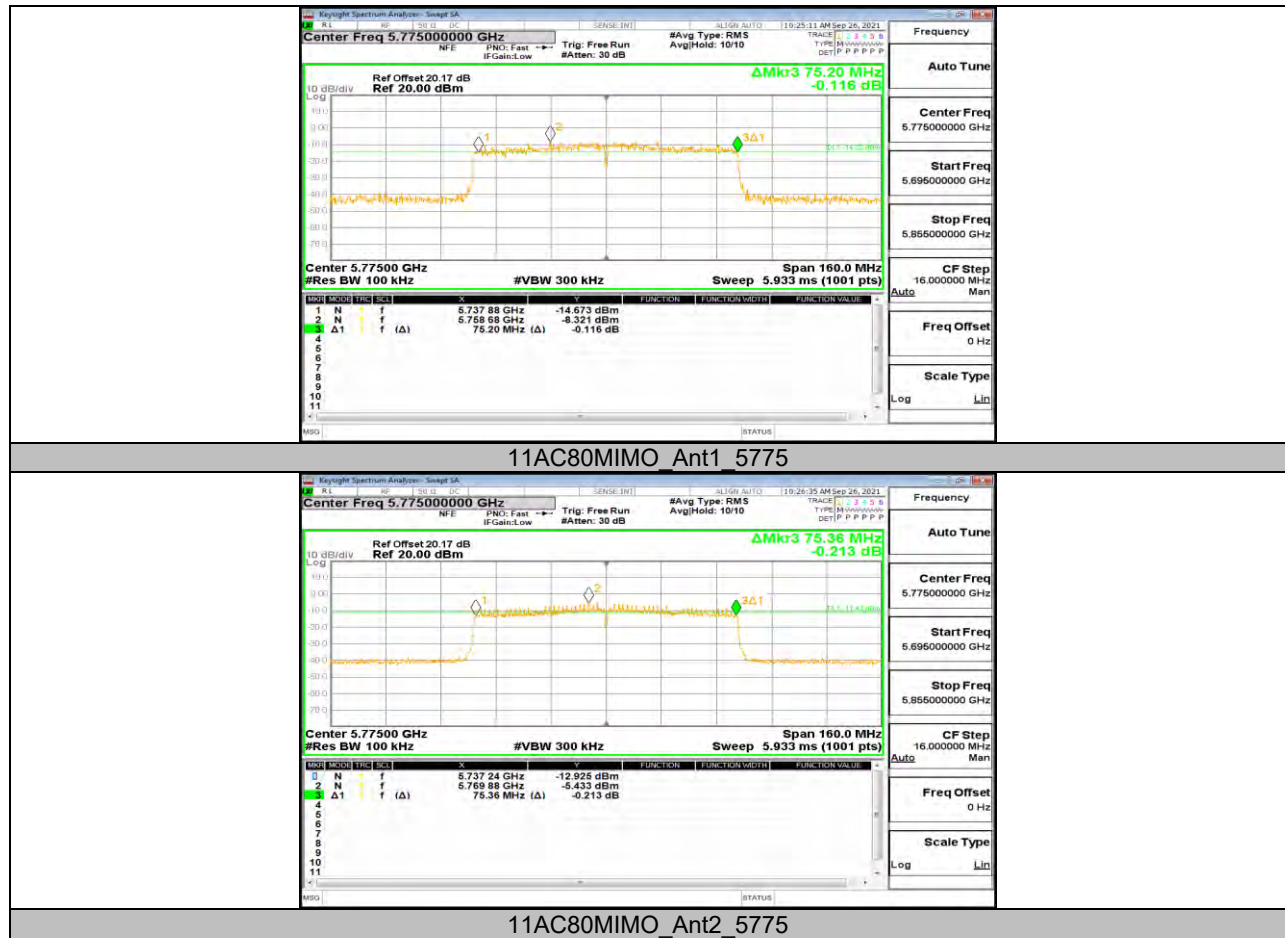


11N40MIMO Ant2 5755



11N40MIMO Ant1 5795







12.4. Appendix B: Maximum conducted output power

12.4.1. Test Result

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A20	Ant1	5180	14.89	<=23.98	---	18.89	<=22.23	PASS
	Ant2	5180	15.17	<=23.98	---	19.17	<=22.20	PASS
	Ant1	5200	14.87	<=23.98	---	18.87	<=22.18	PASS
	Ant2	5200	15.23	<=23.98	---	19.23	<=22.24	PASS
	Ant1	5240	15.10	<=23.98	---	19.10	<=22.20	PASS
	Ant2	5240	15.36	<=23.98	---	19.36	<=22.21	PASS
	Ant1	5260	15.14	<=23.93	<=23.18	19.14	<=29.18	PASS
	Ant2	5260	15.46	<=23.98	<=23.21	19.46	<=29.21	PASS
	Ant1	5280	14.76	<=23.88	<=23.23	18.76	<=29.23	PASS
	Ant2	5280	15.12	<=23.98	<=23.20	19.12	<=29.20	PASS
	Ant1	5320	14.71	<=23.92	<=23.19	18.71	<=29.19	PASS
	Ant2	5320	15.21	<=23.95	<=23.19	19.21	<=29.19	PASS
	Ant1	5500	14.37	<=23.92	<=23.21	18.37	<=29.21	PASS
	Ant2	5500	14.91	<=23.90	<=23.20	18.91	<=29.20	PASS
	Ant1	5580	14.53	<=23.93	<=23.20	18.53	<=29.20	PASS
	Ant2	5580	15.15	<=23.93	<=23.20	19.15	<=29.20	PASS
	Ant1	5700	14.50	<=23.97	<=23.21	18.50	<=29.21	PASS
	Ant2	5700	14.11	<=23.92	<=23.20	18.11	<=29.20	PASS
	Ant1	5720_UNII-2C	13.35	<=22.76	<=22.25	17.35	<=28.25	PASS
	Ant2	5720_UNII-2C	12.72	<=22.75	<=22.25	16.72	<=28.25	PASS
	Ant1	5720_UNII-3	6.08	<=30	<=30	10.08	---	PASS
	Ant2	5720_UNII-3	5.19	<=30	<=30	9.19	---	PASS
	Ant1	5745	14.58	<=30	<=30	18.58	---	PASS
	Ant2	5745	14.71	<=30	<=30	18.71	---	PASS
	Ant1	5785	14.96	<=30	<=30	18.96	---	PASS
	Ant2	5785	14.41	<=30	<=30	18.41	---	PASS
	Ant1	5825	14.96	<=30	<=30	18.96	---	PASS
	Ant2	5825	14.08	<=30	<=30	18.08	---	PASS
11N20MIMO	Ant1	5180	10.15	<=23.98	---	14.15	<=22.48	PASS
	Ant2	5180	8.91	<=23.98	---	12.91	<=22.50	PASS
	total	5180	12.58	<=23.98	---	16.58	<=22.50	PASS
	Ant1	5200	9.98	<=23.98	---	13.98	<=22.48	PASS
	Ant2	5200	9.10	<=23.98	---	13.10	<=22.46	PASS
	total	5200	12.57	<=23.98	---	16.57	<=22.46	PASS
	Ant1	5240	10.03	<=23.98	---	14.03	<=22.48	PASS
	Ant2	5240	9.16	<=23.98	---	13.17	<=22.48	PASS
	total	5240	12.63	<=23.98	---	16.63	<=22.48	PASS
	Ant1	5260	14.14	<=23.98	<=23.47	18.14	<=29.47	PASS
	Ant2	5260	13.62	<=23.98	<=23.46	17.62	<=29.46	PASS
	total	5260	16.90	<=23.98	<=23.46	20.90	<=29.46	PASS
	Ant1	5280	13.86	<=23.98	<=23.47	17.86	<=29.47	PASS
	Ant2	5280	13.53	<=23.95	<=23.48	17.53	<=29.48	PASS
	total	5280	16.71	<=23.95	<=23.48	20.71	<=29.48	PASS
	Ant1	5320	13.84	<=23.98	<=23.48	17.84	<=29.48	PASS
	Ant2	5320	13.64	<=23.98	<=23.47	17.64	<=29.47	PASS
	total	5320	16.75	<=23.98	<=23.47	20.75	<=29.47	PASS
	Ant1	5500	13.60	<=23.97	<=23.47	17.60	<=29.47	PASS
	Ant2	5500	14.49	<=23.98	<=23.48	18.49	<=29.48	PASS
	total	5500	17.08	<=23.98	<=23.48	21.08	<=29.48	PASS
	Ant1	5580	13.76	<=23.98	<=23.45	17.76	<=29.45	PASS
	Ant2	5580	14.90	<=23.98	<=23.48	18.90	<=29.48	PASS



	total	5580	17.38	<=23.98	<=23.48	21.38	<=29.48	PASS
	Ant1	5700	13.82	<=23.98	<=23.50	17.82	<=29.50	PASS
	Ant2	5700	13.83	<=23.98	<=23.47	17.83	<=29.47	PASS
	total	5700	16.84	<=23.98	<=23.47	20.84	<=29.47	PASS
	Ant1	5720_UNII-2C	12.46	<=22.76	<=22.42	16.46	<=28.42	PASS
	Ant2	5720_UNII-2C	12.42	<=22.78	<=22.41	16.42	<=28.41	PASS
	total	5720_UNII-2C	15.45	<=22.78	<=22.41	19.45	<=28.41	PASS
	Ant1	5720_UNII-3	5.80	<=30	<=30	9.80	---	PASS
	Ant2	5720_UNII-3	5.49	<=30	<=30	9.49	---	PASS
	total	5720_UNII-3	8.66	<=30	<=30	12.66	---	PASS
	Ant1	5745	14.05	<=30	<=30	18.05	---	PASS
	Ant2	5745	13.62	<=30	<=30	17.62	---	PASS
	total	5745	16.85	<=30	<=30	20.85	---	PASS
	Ant1	5785	14.38	<=30	<=30	18.38	---	PASS
	Ant2	5785	13.60	<=30	<=30	17.60	---	PASS
	total	5785	17.02	<=30	<=30	21.02	---	PASS
	Ant1	5825	14.30	<=30	<=30	18.30	---	PASS
	Ant2	5825	13.68	<=30	<=30	17.68	---	PASS
	total	5825	17.01	<=30	<=30	21.01	---	PASS
11N40MIMO	Ant1	5190	12.62	<=23.98	---	16.62	<=23	PASS
	Ant2	5190	12.12	<=23.98	---	16.12	<=23	PASS
	total	5190	15.39	<=23.98	---	19.39	<=23	PASS
	Ant1	5230	12.77	<=23.98	---	16.77	<=23	PASS
	Ant2	5230	12.34	<=23.98	---	16.34	<=23	PASS
	total	5230	15.57	<=23.98	---	19.57	<=23	PASS
	Ant1	5270	14.61	<=23.98	<=23.98	18.61	<=30	PASS
	Ant2	5270	14.38	<=23.98	<=23.98	18.38	<=30	PASS
	total	5270	17.51	<=23.98	<=23.98	21.51	<=30	PASS
	Ant1	5310	14.41	<=23.98	<=23.98	18.41	<=30	PASS
	Ant2	5310	14.13	<=23.98	<=23.98	18.13	<=30	PASS
	total	5310	17.28	<=23.98	<=23.98	21.28	<=30	PASS
	Ant1	5510	13.54	<=23.98	<=23.98	17.54	<=30	PASS
	Ant2	5510	14.50	<=23.98	<=23.98	18.50	<=30	PASS
	total	5510	17.06	<=23.98	<=23.98	21.06	<=30	PASS
	Ant1	5550	13.76	<=23.98	<=23.98	17.76	<=30	PASS
	Ant2	5550	15.05	<=23.98	<=23.98	19.05	<=30	PASS
	total	5550	17.46	<=23.98	<=23.98	21.46	<=30	PASS
	Ant1	5670	13.88	<=23.98	<=23.98	17.88	<=30	PASS
	Ant2	5670	14.25	<=23.98	<=23.98	18.25	<=30	PASS
	total	5670	17.08	<=23.98	<=23.98	21.08	<=30	PASS
	Ant1	5710_UNII-2C	13.89	<=23.98	<=23.98	17.89	<=30	PASS
	Ant2	5710_UNII-2C	13.91	<=23.98	<=23.98	17.91	<=30	PASS
	total	5710_UNII-2C	16.91	<=23.98	<=23.98	20.91	<=30	PASS
	Ant1	5710_UNII-3	1.64	<=30	<=30	5.64	---	PASS
	Ant2	5710_UNII-3	1.39	<=30	<=30	5.39	---	PASS
	total	5710_UNII-3	4.53	<=30	<=30	8.53	---	PASS
	Ant1	5755	14.69	<=30	<=30	18.69	---	PASS
	Ant2	5755	14.25	<=30	<=30	18.25	---	PASS
	total	5755	17.49	<=30	<=30	21.49	---	PASS
	Ant1	5795	14.92	<=30	<=30	18.92	---	PASS
	Ant2	5795	14.02	<=30	<=30	18.02	---	PASS
	total	5795	17.50	<=30	<=30	21.50	---	PASS
11AC80MIMO	Ant1	5210	13.32	<=23.98	---	17.32	<=23	PASS
	Ant2	5210	12.92	<=23.98	---	16.92	<=23	PASS
	total	5210	16.13	<=23.98	---	20.13	<=23	PASS

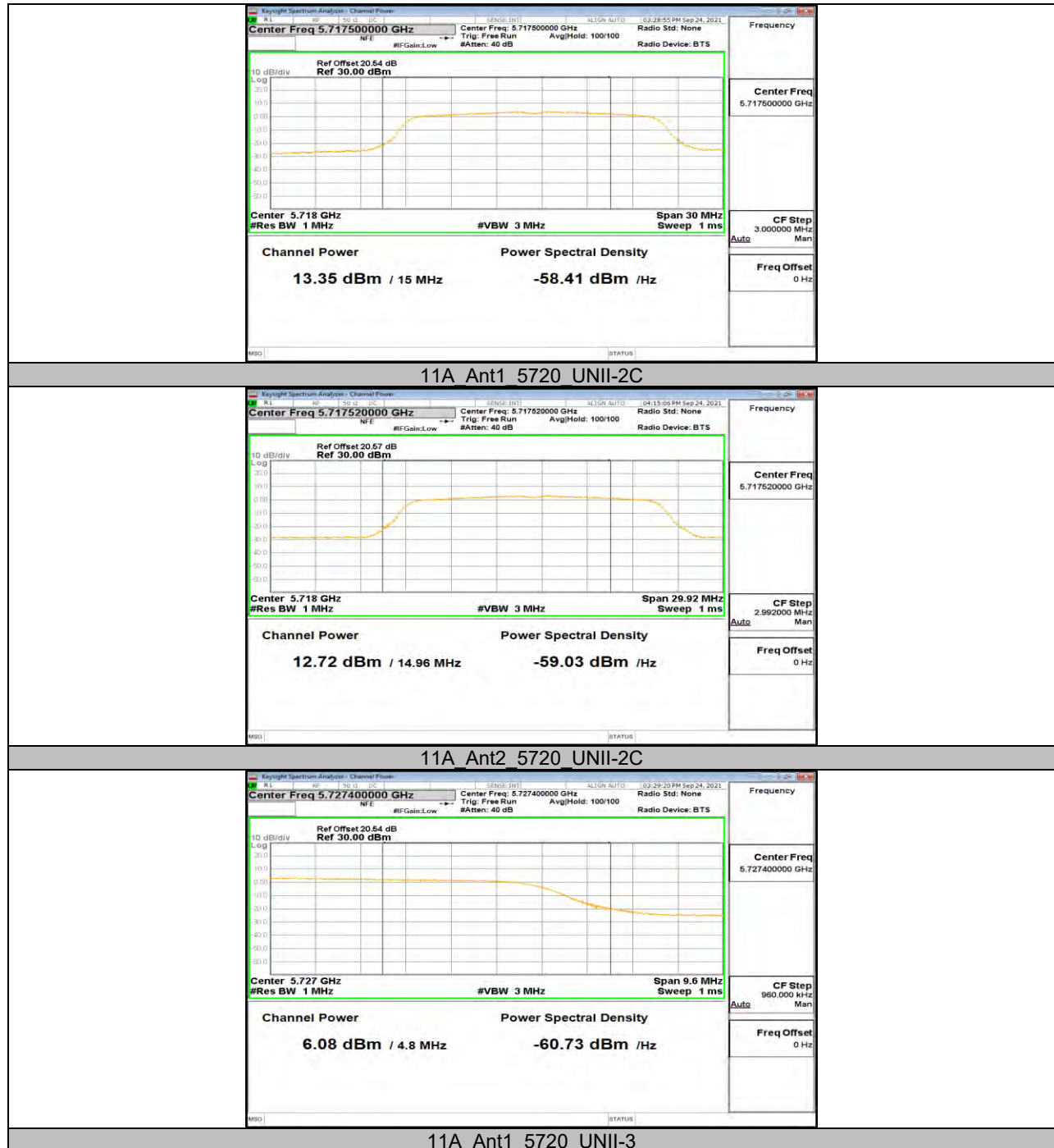


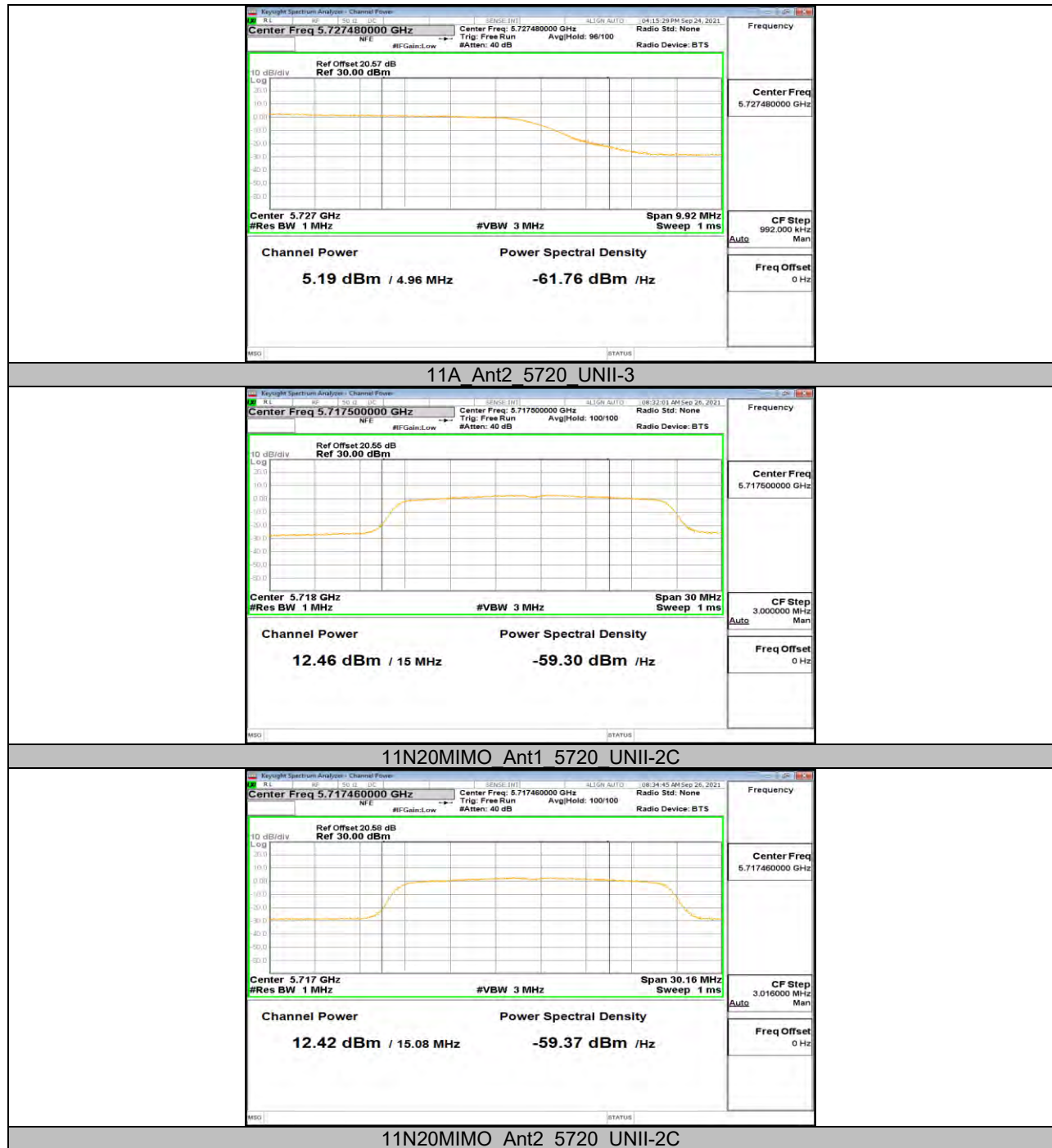
	Ant1	5290	13.29	<=23.98	<=23.98	17.29	<=30	PASS
	Ant2	5290	12.86	<=23.98	<=23.98	16.86	<=30	PASS
	total	5290	16.09	<=23.98	<=23.98	20.09	<=30	PASS
	Ant1	5530	12.92	<=23.98	<=23.98	16.92	<=30	PASS
	Ant2	5530	13.79	<=23.98	<=23.98	17.79	<=30	PASS
	total	5530	16.39	<=23.98	<=23.98	20.39	<=30	PASS
	Ant1	5610	12.67	<=23.98	<=23.98	16.67	<=30	PASS
	Ant2	5610	13.53	<=23.98	<=23.98	17.53	<=30	PASS
	total	5610	16.13	<=23.98	<=23.98	20.13	<=30	PASS
	Ant1	5690_UNII-2C	12.75	<=23.98	<=23.98	16.75	<=30	PASS
	Ant2	5690_UNII-2C	12.83	<=23.98	<=23.98	16.83	<=30	PASS
	total	5690_UNII-2C	15.80	<=23.98	<=23.98	19.80	<=30	PASS
	Ant1	5690_UNII-3	-2.34	<=30	<=30	1.66	---	PASS
	Ant2	5690_UNII-3	-2.51	<=30	<=30	1.49	---	PASS
	total	5690_UNII-3	0.59	<=30	<=30	4.59	---	PASS
	Ant1	5775	13.17	<=30	<=30	17.17	---	PASS
	Ant2	5775	12.45	<=30	<=30	16.45	---	PASS
	total	5775	15.84	<=30	<=30	19.84	---	PASS

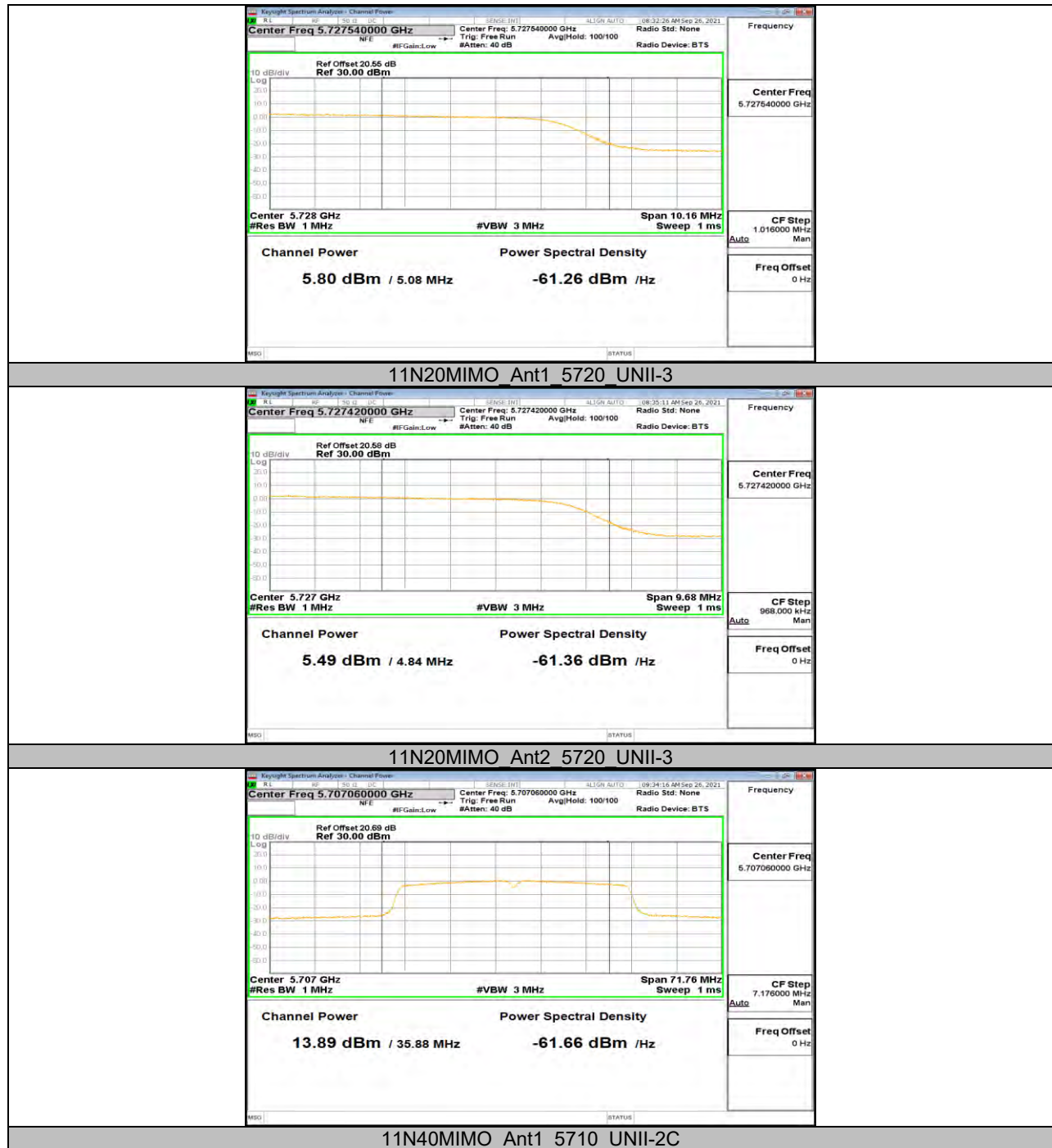
Note: 1. Conducted Power=Meas. Level+ Correction Factor

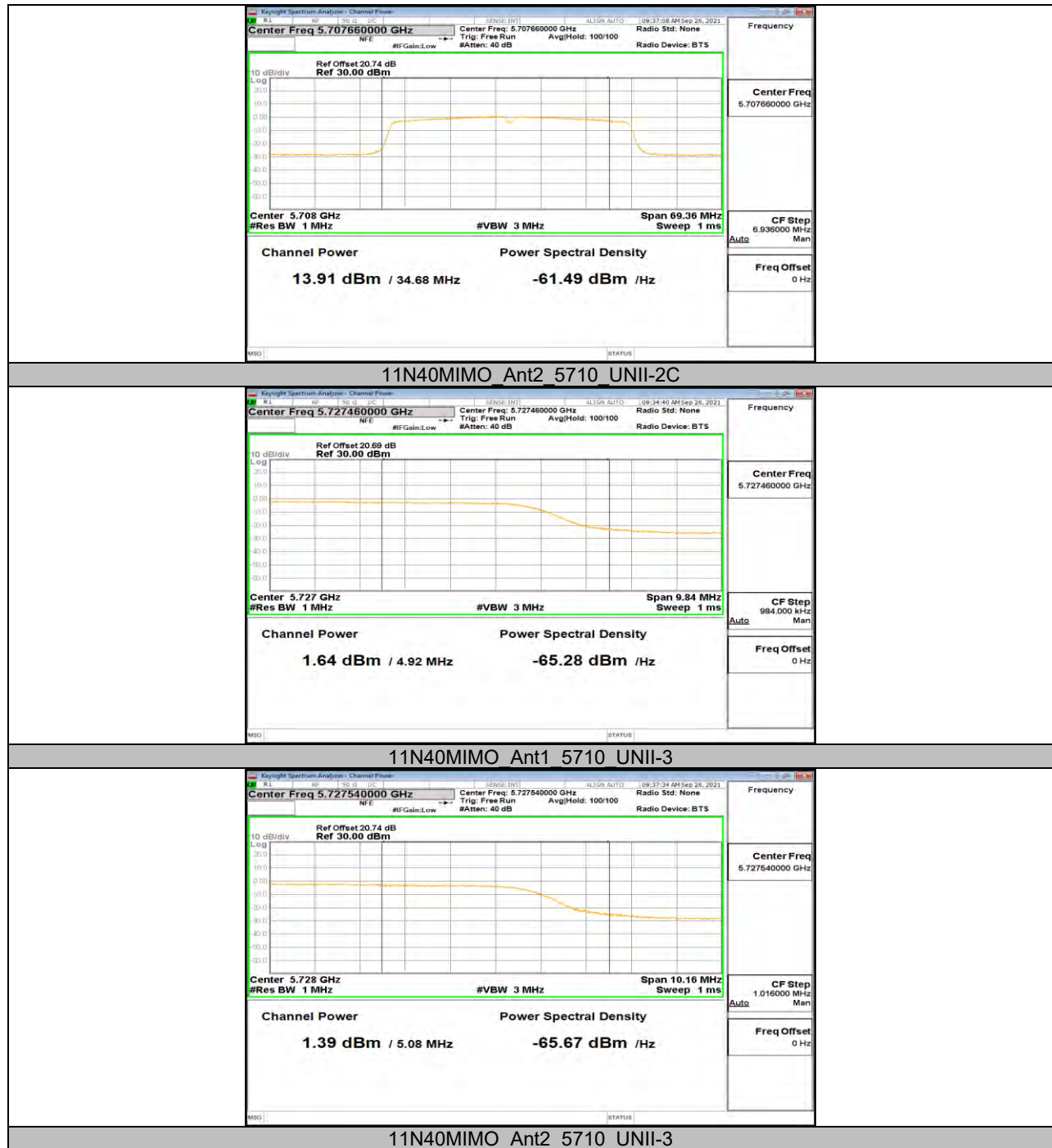
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

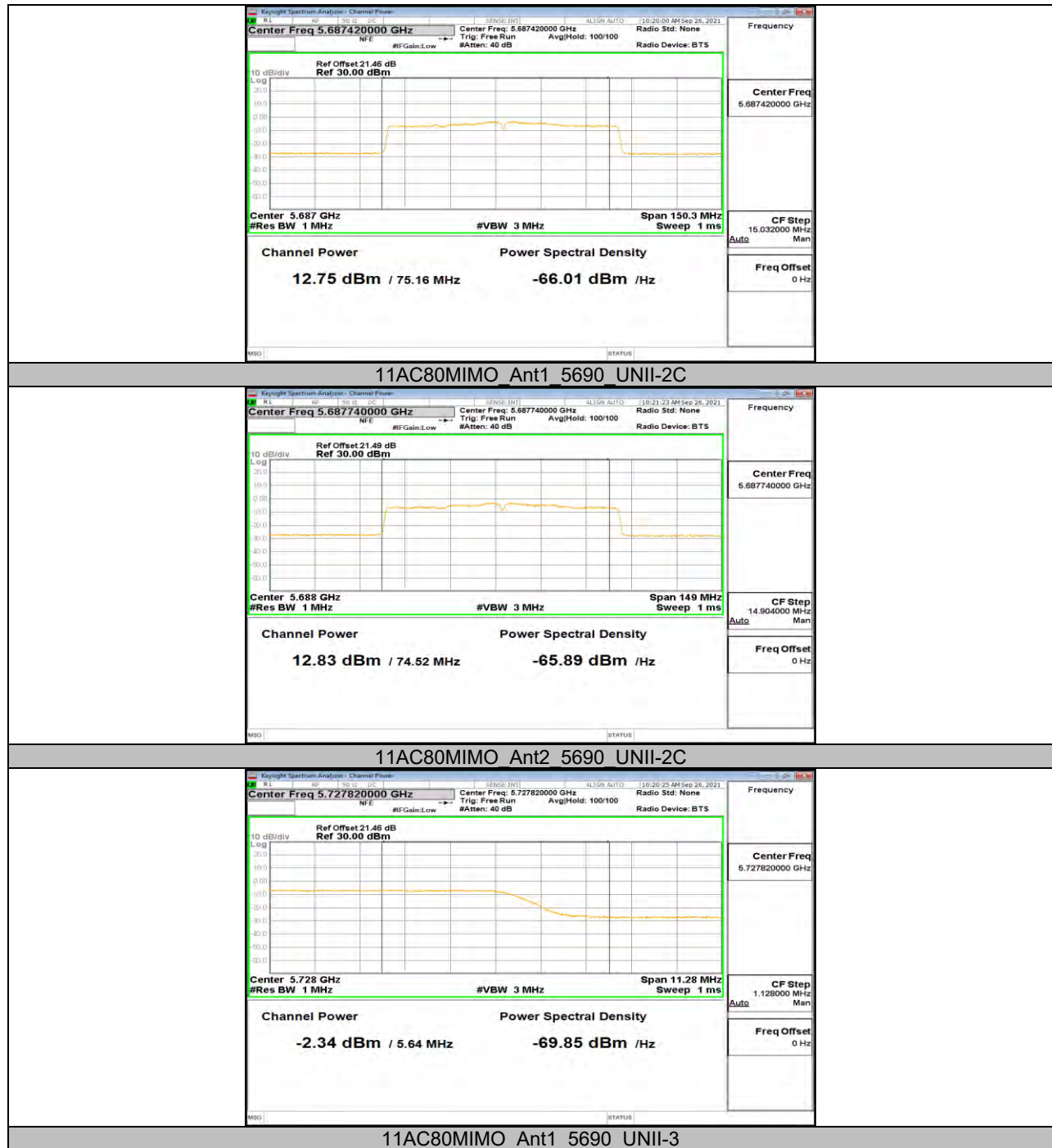
12.4.2. Test Graphs

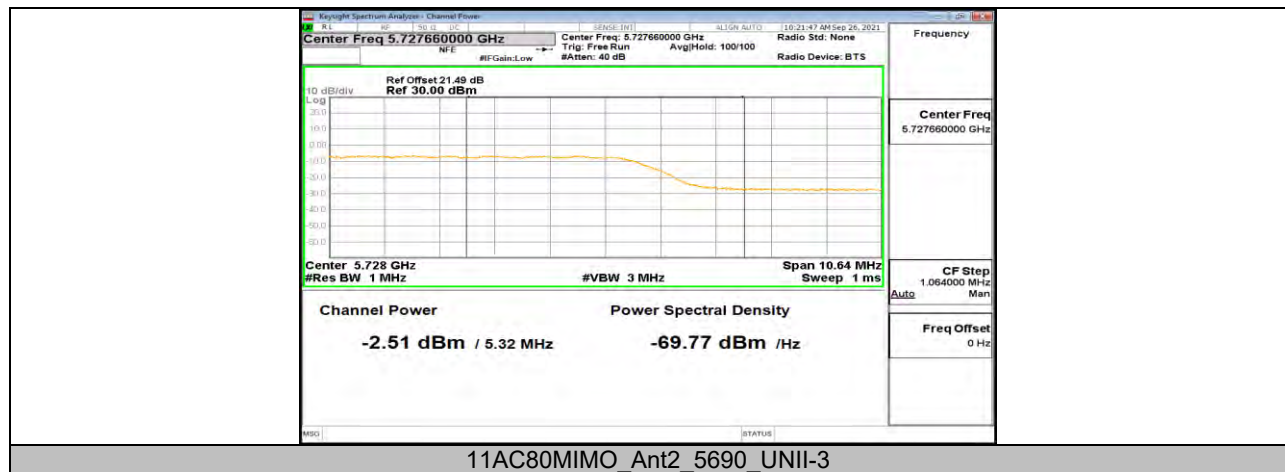
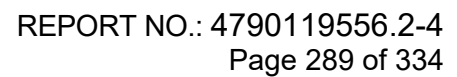














12.5. Appendix C: Maximum power spectral density

12.5.1. Test Result

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A20	Ant1	5180	4.86	<=11	8.86	<=10	PASS
	Ant2	5180	5.03	<=11	9.03	<=10	PASS
	Ant1	5200	4.74	<=11	8.74	<=10	PASS
	Ant2	5200	5.06	<=11	9.06	<=10	PASS
	Ant1	5240	4.86	<=11	8.86	<=10	PASS
	Ant2	5240	5.01	<=11	9.01	<=10	PASS
	Ant1	5260	5.17	<=11	---	---	PASS
	Ant2	5260	5.4	<=11	---	---	PASS
	Ant1	5280	4.75	<=11	---	---	PASS
	Ant2	5280	5.11	<=11	---	---	PASS
	Ant1	5320	4.45	<=11	---	---	PASS
	Ant2	5320	5.25	<=11	---	---	PASS
	Ant1	5500	4.27	<=11	---	---	PASS
	Ant2	5500	4.8	<=11	---	---	PASS
	Ant1	5580	4.44	<=11	---	---	PASS
	Ant2	5580	5.14	<=11	---	---	PASS
	Ant1	5700	4.19	<=11	---	---	PASS
	Ant2	5700	4.16	<=11	---	---	PASS
	Ant1	5720_UNII-2C	4.17	<=11	---	---	PASS
	Ant2	5720_UNII-2C	3.54	<=11	---	---	PASS
	Ant1	5720_UNII-3	-0.41	<=11	---	---	PASS
	Ant2	5720_UNII-3	-1.26	<=11	---	---	PASS
	Ant1	5745	1.54	<=30	---	---	PASS
	Ant2	5745	1.72	<=30	---	---	PASS
	Ant1	5785	1.99	<=30	---	---	PASS
	Ant2	5785	1.55	<=30	---	---	PASS
	Ant1	5825	2.29	<=30	---	---	PASS
	Ant2	5825	1.3	<=30	---	---	PASS
11N20MIMO	Ant1	5180	-0.31	<=11	3.69	<=10	PASS
	Ant2	5180	-1.31	<=11	2.69	<=10	PASS
	total	5180	2.23	<=11	6.23	<=10	PASS
	Ant1	5200	-0.42	<=11	3.58	<=10	PASS
	Ant2	5200	-1.11	<=11	2.89	<=10	PASS
	total	5200	2.26	<=11	6.26	<=10	PASS
	Ant1	5240	-0.1	<=11	3.90	<=10	PASS
	Ant2	5240	-1.09	<=11	2.91	<=10	PASS
	total	5240	2.44	<=11	6.44	<=10	PASS
	Ant1	5260	3.65	<=11	---	---	PASS
	Ant2	5260	3.54	<=11	---	---	PASS
	total	5260	6.61	<=11	---	---	PASS
	Ant1	5280	3.55	<=11	---	---	PASS
	Ant2	5280	3.31	<=11	---	---	PASS
	total	5280	6.44	<=11	---	---	PASS
	Ant1	5320	3.51	<=11	---	---	PASS
	Ant2	5320	3.25	<=11	---	---	PASS
	total	5320	6.39	<=11	---	---	PASS
	Ant1	5500	3.15	<=11	---	---	PASS
	Ant2	5500	4.26	<=11	---	---	PASS
	total	5500	6.75	<=11	---	---	PASS
	Ant1	5580	3.39	<=11	---	---	PASS
	Ant2	5580	4.69	<=11	---	---	PASS



	total	5580	7.10	<=11	---	---	PASS
	Ant1	5700	3.31	<=11	---	---	PASS
	Ant2	5700	3.75	<=11	---	---	PASS
	total	5700	6.55	<=11	---	---	PASS
	Ant1	5720_UNII-2C	3.41	<=11	---	---	PASS
	Ant2	5720_UNII-2C	3.21	<=11	---	---	PASS
	total	5720_UNII-2C	6.32	<=11	---	---	PASS
	Ant1	5720_UNII-3	-1.22	<=11	---	---	PASS
	Ant2	5720_UNII-3	-1.42	<=11	---	---	PASS
	total	5720_UNII-3	1.69	<=11	---	---	PASS
	Ant1	5745	0.82	<=30	---	---	PASS
	Ant2	5745	0.43	<=30	---	---	PASS
	total	5745	3.64	<=30	---	---	PASS
	Ant1	5785	1.01	<=30	---	---	PASS
	Ant2	5785	0.5	<=30	---	---	PASS
	total	5785	3.77	<=30	---	---	PASS
	Ant1	5825	1.05	<=30	---	---	PASS
11N40MIMO	Ant2	5825	0.6	<=30	---	---	PASS
	total	5825	3.84	<=30	---	---	PASS
	Ant1	5190	-0.62	<=11	3.38	<=10	PASS
	Ant2	5190	-0.97	<=11	3.03	<=10	PASS
	total	5190	2.22	<=11	6.22	<=10	PASS
	Ant1	5230	-0.4	<=11	3.60	<=10	PASS
	Ant2	5230	-0.85	<=11	3.15	<=10	PASS
	total	5230	2.39	<=11	6.39	<=10	PASS
	Ant1	5270	1.38	<=11	---	---	PASS
	Ant2	5270	1.5	<=11	---	---	PASS
	total	5270	4.45	<=11	---	---	PASS
	Ant1	5310	1.4	<=11	---	---	PASS
	Ant2	5310	0.96	<=11	---	---	PASS
	total	5310	4.20	<=11	---	---	PASS
	Ant1	5510	0.31	<=11	---	---	PASS
	Ant2	5510	1.57	<=11	---	---	PASS
	total	5510	4.00	<=11	---	---	PASS
	Ant1	5550	0.48	<=11	---	---	PASS
	Ant2	5550	1.93	<=11	---	---	PASS
	total	5550	4.28	<=11	---	---	PASS
	Ant1	5670	0.53	<=11	---	---	PASS
	Ant2	5670	0.61	<=11	---	---	PASS
	total	5670	3.58	<=11	---	---	PASS
	Ant1	5710_UNII-2C	0.79	<=11	---	---	PASS
	Ant2	5710_UNII-2C	0.6	<=11	---	---	PASS
	total	5710_UNII-2C	3.71	<=11	---	---	PASS
	Ant1	5710_UNII-3	-5.05	<=11	---	---	PASS
	Ant2	5710_UNII-3	-5.61	<=11	---	---	PASS
	total	5710_UNII-3	-2.31	<=11	---	---	PASS
	Ant1	5755	-1.54	<=30	---	---	PASS
	Ant2	5755	-2.01	<=30	---	---	PASS
	total	5755	1.24	<=30	---	---	PASS
	Ant1	5795	-1.28	<=30	---	---	PASS
	Ant2	5795	-2.22	<=30	---	---	PASS
	total	5795	1.29	<=30	---	---	PASS
11AC80MIMO	Ant1	5210	-2.95	<=11	1.05	<=10	PASS
	Ant2	5210	-2.89	<=11	1.11	<=10	PASS
	total	5210	0.09	<=11	4.09	<=10	PASS



	Ant1	5290	-2.95	<=11	---	---	PASS
	Ant2	5290	-3.64	<=11	---	---	PASS
	total	5290	-0.27	<=11	---	---	PASS
	Ant1	5530	-3.28	<=11	---	---	PASS
	Ant2	5530	-2.17	<=11	---	---	PASS
	total	5530	0.32	<=11	---	---	PASS
	Ant1	5610	-3.47	<=11	---	---	PASS
	Ant2	5610	-1.88	<=11	---	---	PASS
	total	5610	0.41	<=11	---	---	PASS
	Ant1	5690_UNII-2C	-3.17	<=11	---	---	PASS
	Ant2	5690_UNII-2C	-3.29	<=11	---	---	PASS
	total	5690_UNII-2C	-0.22	<=11	---	---	PASS
	Ant1	5690_UNII-3	-9.27	<=11	---	---	PASS
	Ant2	5690_UNII-3	-9.69	<=11	---	---	PASS
	total	5690_UNII-3	-6.46	<=11	---	---	PASS
	Ant1	5775	-5.03	<=30	---	---	PASS
	Ant2	5775	-6.38	<=30	---	---	PASS
	total	5775	-2.64	<=30	---	---	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.

12.5.2. Test Graphs



