

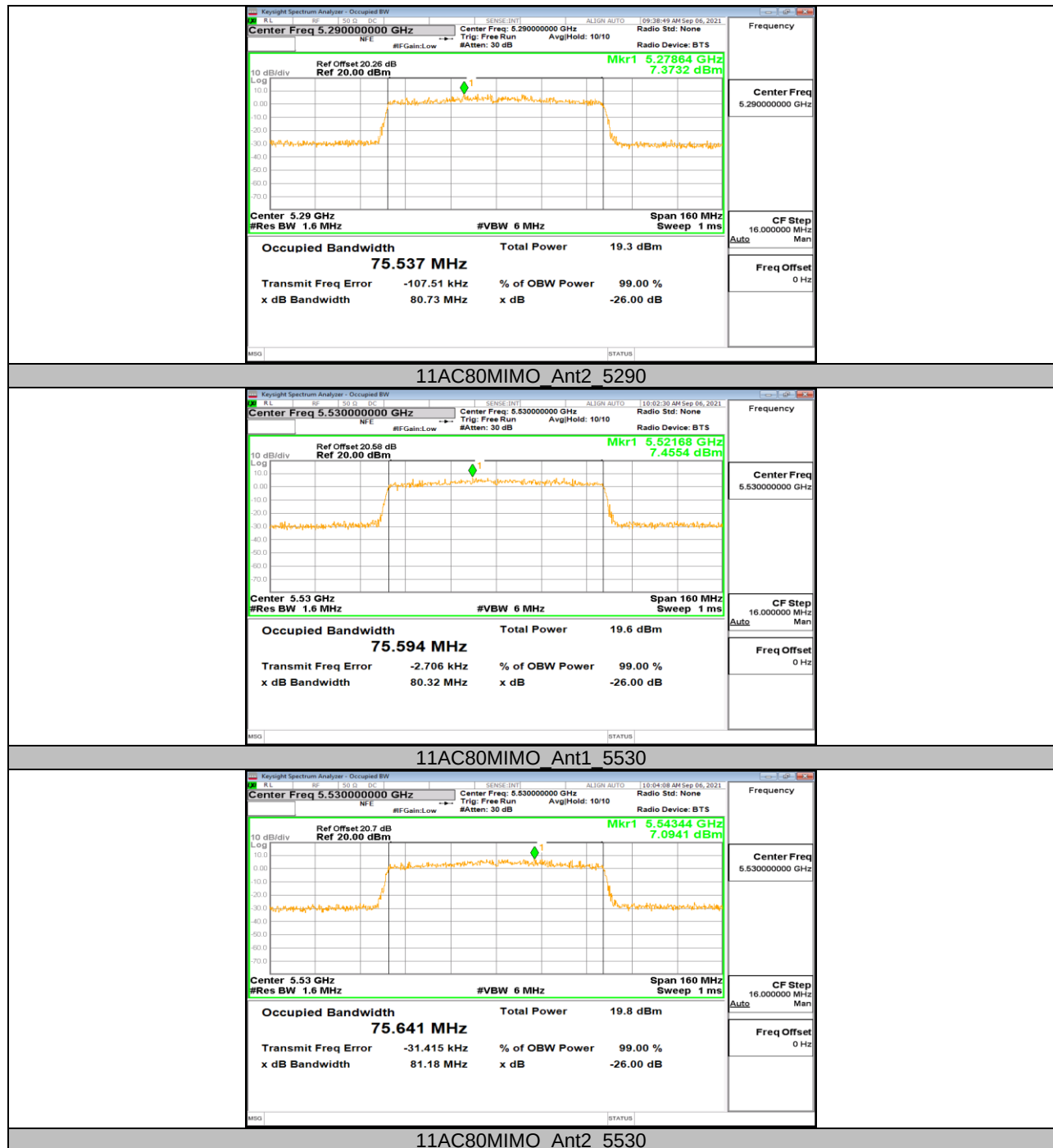
















**12.3. Appendix A3: Min Emission Bandwidth****12.3.1. Test Result**

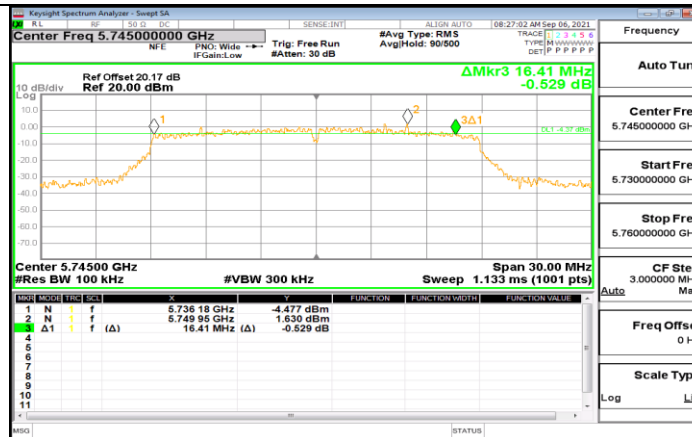
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.510	5737.050	5752.560	0.5	PASS
	Ant2	5745	15.360	5737.200	5752.560	0.5	PASS
	Ant1	5785	14.490	5777.410	5791.900	0.5	PASS
	Ant2	5785	15.150	5777.410	5792.560	0.5	PASS
	Ant1	5825	16.380	5816.780	5833.160	0.5	PASS
	Ant2	5825	15.450	5817.440	5832.890	0.5	PASS
11N20MIMO	Ant1	5745	16.410	5736.180	5752.590	0.5	PASS
	Ant2	5745	15.120	5737.410	5752.530	0.5	PASS
	Ant1	5785	13.230	5777.410	5790.640	0.5	PASS
	Ant2	5785	15.720	5776.180	5791.900	0.5	PASS
	Ant1	5825	17.580	5816.180	5833.760	0.5	PASS
	Ant2	5825	15.090	5817.410	5832.500	0.5	PASS
11N40MIMO	Ant1	5755	30.180	5739.880	5770.060	0.5	PASS
	Ant2	5755	35.220	5737.360	5772.580	0.5	PASS
	Ant1	5795	31.440	5781.080	5812.520	0.5	PASS
	Ant2	5795	31.380	5779.880	5811.260	0.5	PASS
11AC80MIMO	Ant1	5775	75.360	5737.320	5812.680	0.5	PASS
	Ant2	5775	75.360	5737.320	5812.680	0.5	PASS



12.3.2. Test Graphs







11N20MIMO Ant1 5745



11N20MIMO Ant2 5745



11N20MIMO Ant1 5785







**12.4. Appendix B: Maximum Average Conducted Output Power****12.4.1. Test Result**

Mode	Frequency (MHz)	Average Power (dBm)			Gain/ Directional Gain (dBi)	FCC Limit (dBm)	ISED EIRP (dBm)			ISED Limit (dBm)
		ANT1	ANT2	Total			ANT1	ANT2	Total	
802.11a	5180	15.20	15.01	/	4.30	24.00	19.50	19.31	/	22.21
	5200	14.97	14.85	/	4.30	24.00	19.27	19.15	/	22.21
	5240	15.09	14.93	/	4.30	24.00	19.39	19.23	/	22.21
	5260	14.93	14.88	/	4.30	23.85	/	/	/	23.21
	5280	14.84	14.74	/	4.30	23.79	/	/	/	23.21
	5320	14.64	14.60	/	4.30	23.83	/	/	/	23.21
	5500	14.52	14.52	/	4.30	23.85	/	/	/	23.21
	5580	14.96	15.09	/	4.30	23.82	/	/	/	23.21
	5700	15.07	15.40	/	4.30	23.90	/	/	/	23.21
	5720-2a	14.04	14.21	/	4.30	23.90	/	/	/	23.21
	5720-2c	6.79	6.86	/	4.30	30.00	/	/	/	36.00
	5745	14.87	15.00	/	4.30	30.00	/	/	/	30.00
	5785	15.00	15.08	/	4.30	30.00	/	/	/	30.00
	5825	14.78	14.68	/	4.30	30.00	/	/	/	30.00
802.11n 20M	5180	9.24	8.59	11.94	4.30	24.00	/	/	16.24	22.50
	5200	9.05	8.70	11.89	4.30	24.00	/	/	16.19	22.50
	5240	8.91	8.39	11.67	4.30	24.00	/	/	15.97	22.50
	5260	13.93	13.63	16.79	4.30	24.00	/	/	/	23.50
	5280	13.73	13.51	16.63	4.30	24.00	/	/	/	23.50
	5320	13.49	13.21	16.36	4.30	23.98	/	/	/	23.50
	5500	13.32	13.40	16.37	4.30	23.94	/	/	/	23.50
	5580	13.65	14.01	16.84	4.30	23.97	/	/	/	23.50
	5700	13.97	14.09	17.04	4.30	23.97	/	/	/	23.50
	5720-2a	12.89	12.90	15.91	4.30	23.97	/	/	/	23.50
	5720-2c	5.61	5.57	8.60	4.30	30.00	/	/	/	36.00
	5745	13.93	13.84	16.90	4.30	30.00	/	/	/	30.00
	5785	13.74	13.64	16.70	4.30	30.00	/	/	/	30.00
	5825	13.47	13.44	16.47	4.30	30.00	/	/	/	30.00
802.11n 40M	5190	12.32	12.10	15.22	4.30	24.00	/	/	19.52	23.00
	5230	12.12	11.97	15.06	4.30	24.00	/	/	19.36	23.00
	5270	13.96	13.66	16.82	4.30	24.00	/	/	/	24.00
	5310	13.52	13.32	16.43	4.30	24.00	/	/	/	24.00
	5510	13.15	13.24	16.21	4.30	24.00	/	/	/	24.00
	5550	13.63	13.79	16.72	4.30	24.00	/	/	/	24.00
	5670	14.05	14.27	17.17	4.30	24.00	/	/	/	24.00
	5710-2a	13.93	14.04	17.00	4.30	24.00	/	/	/	24.00



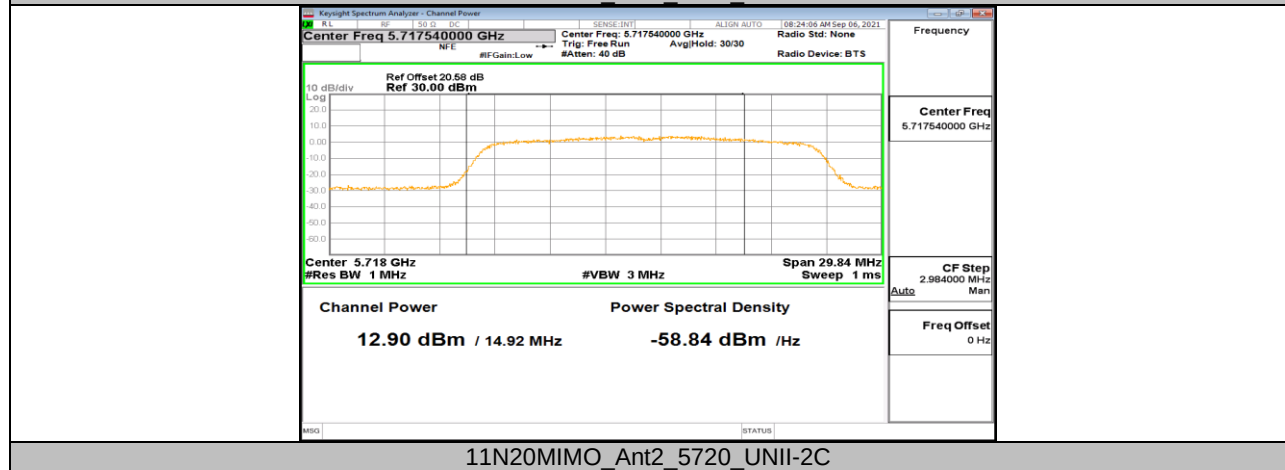
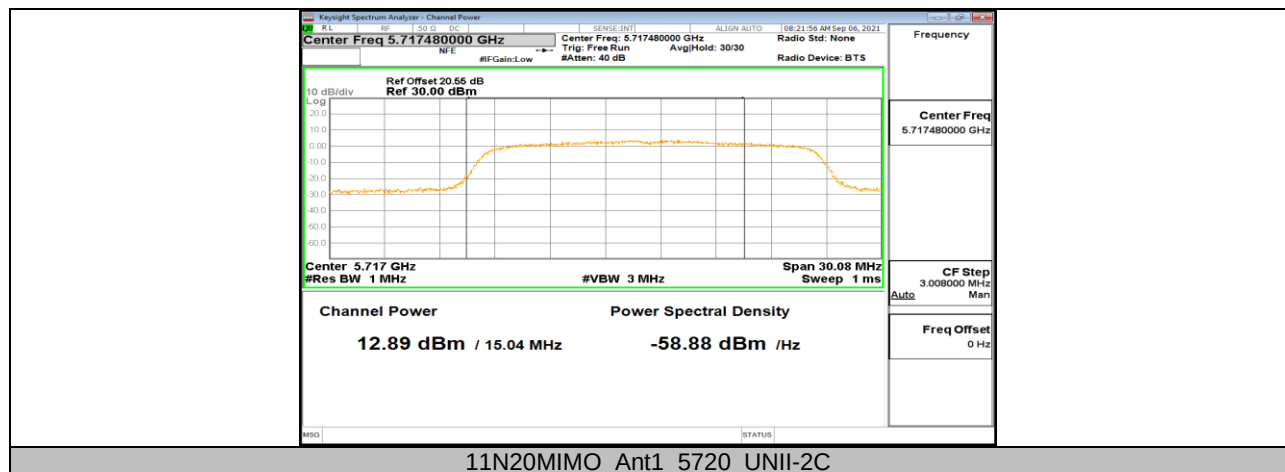
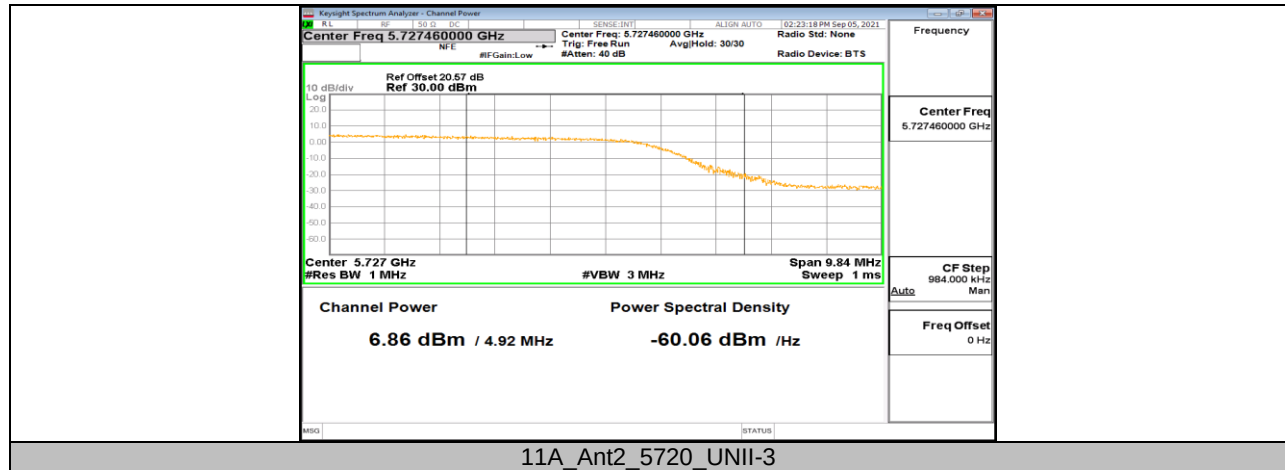
	5710-2c	1.36	1.33	4.36	4.30	30.00	/	/	/	36.00
	5755	14.12	14.15	17.15	4.30	30.00	/	/	/	30.00
	5795	14.04	13.88	16.97	4.30	30.00	/	/	/	30.00
802.11ac 80M	5210	14.29	14.06	17.19	4.30	24.00	/	/	21.49	23.00
	5290	13.91	13.37	16.66	4.30	24.00	/	/	/	24.00
	5530	13.80	13.95	16.89	4.30	24.00	/	/	/	24.00
	5610	14.06	14.29	17.19	4.30	24.00	/	/	/	24.00
	5690-2a	14.14	14.30	17.23	4.30	24.00	/	/	/	24.00
	5690-2c	-1.24	-1.30	1.74	4.30	30.00	/	/	/	36.00
	5775	14.23	14.00	17.13	4.30	30.00	/	/	/	30.00

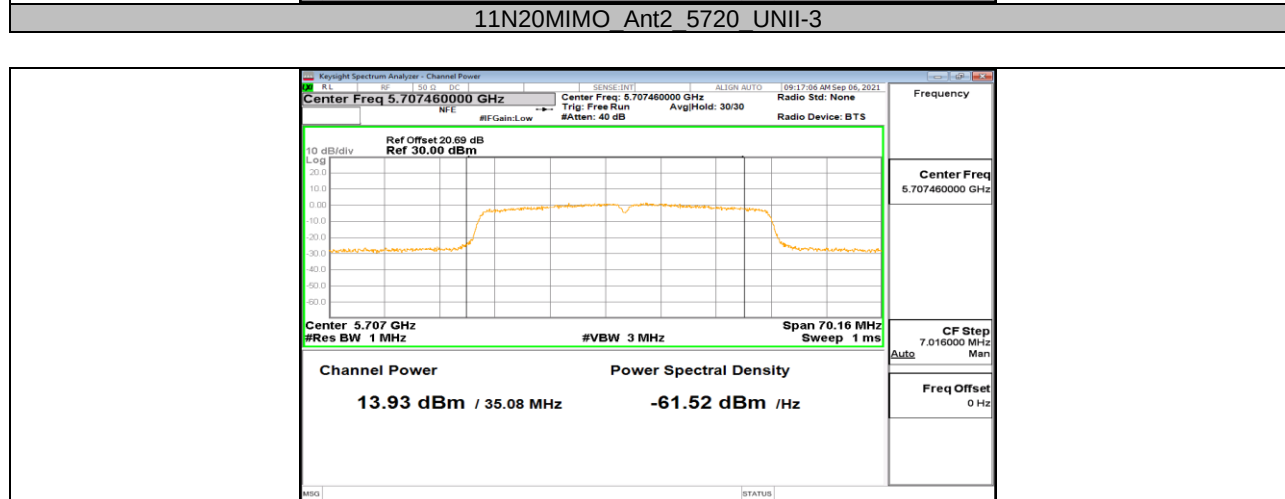
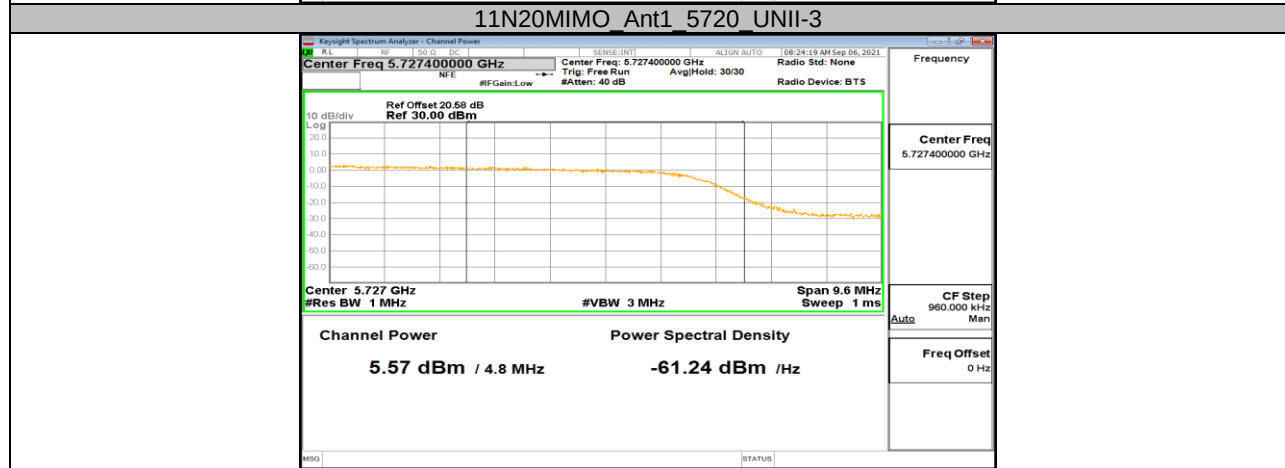
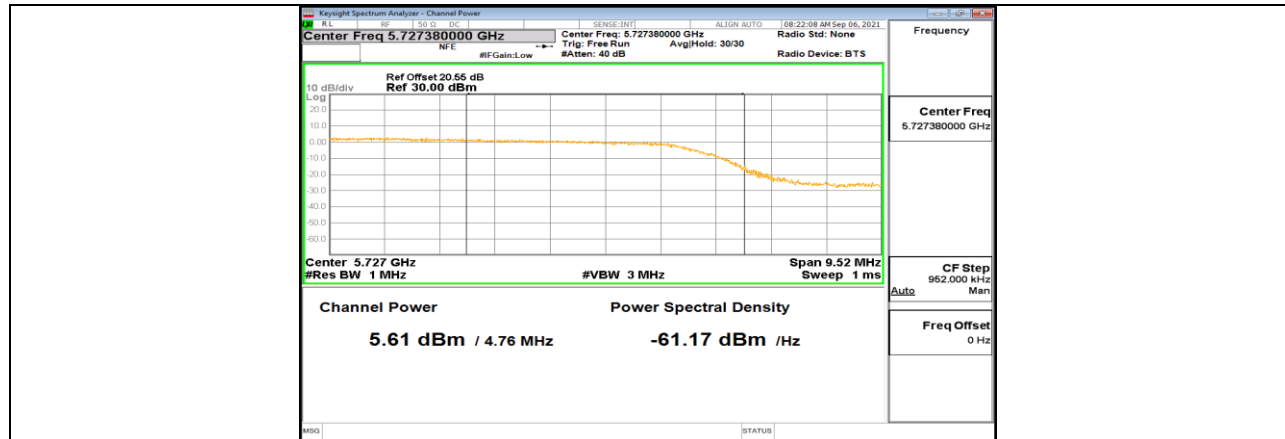
Note: The Duty Cycle Factor is compensated in the graph.

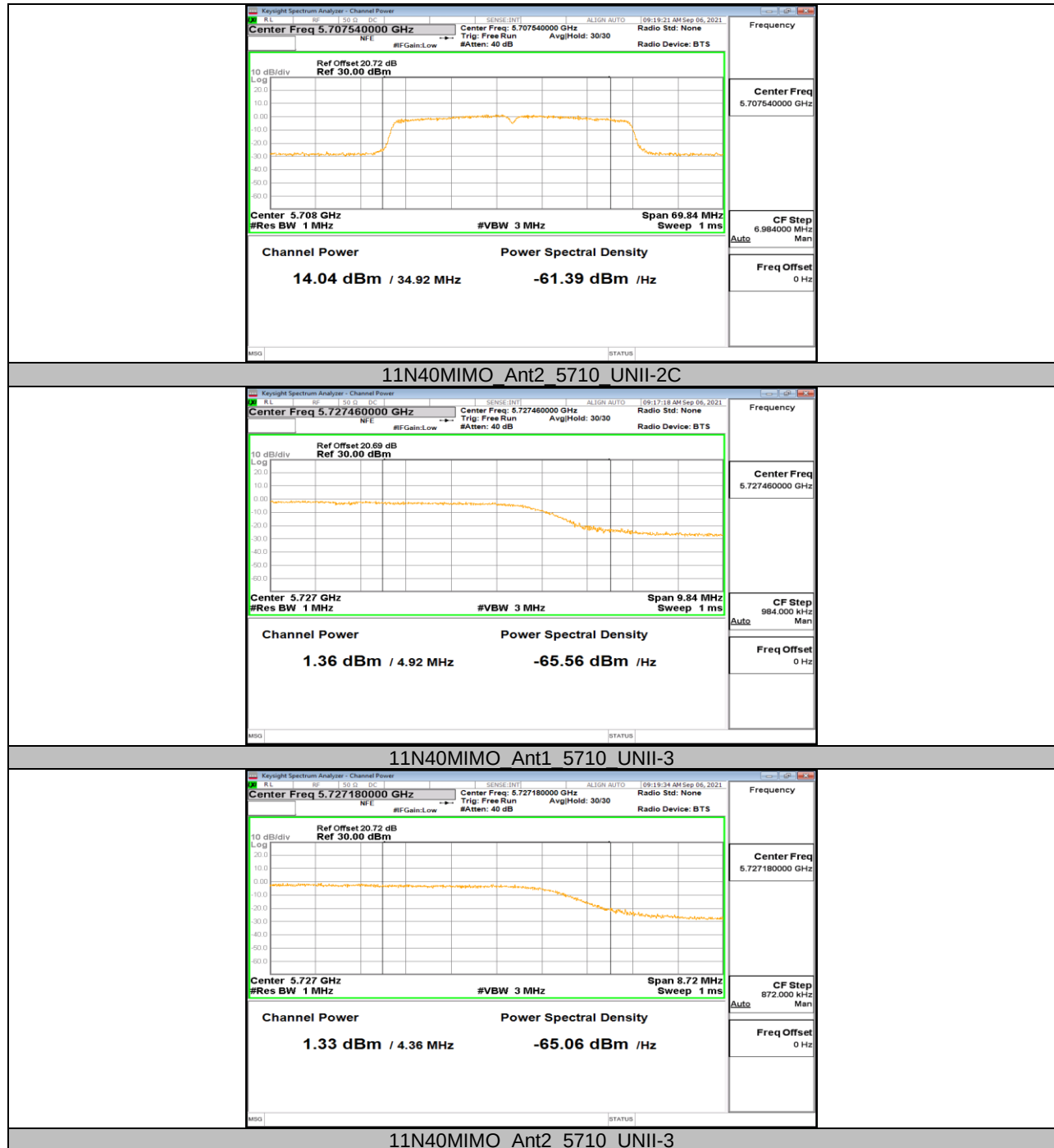


12.4.2. Test Graphs











**12.5. Appendix C: Maximum Power Spectral Density****12.5.1. Test Result**

Mode	Frequency (MHz)	PSD 5150-5725MHz (dBm/MHz) 5725-5850MHz (dBm/500kHz)			Directional gain (dBi)	FCC Limit 5150-5725MHz (dBm/MHz) 5725-5850MHz (dBm/500kHz)	PSD EIRP			ISED Limit 5150-5725MHz (dBm/MHz) 5725-5850MHz (dBm/500kHz)
		ANT1	ANT2	Total			ANT1	ANT2	Total	
802.11a	5180	4.131	4.196	/	4.30	11.00	8.430	8.500	/	10.00
	5200	4.211	3.898	/	4.30	11.00	8.510	8.200	/	10.00
	5240	3.439	3.334	/	4.30	11.00	7.740	7.630	/	10.00
	5260	3.829	3.624	/	4.30	11.00	/	/	/	11.00
	5280	3.780	3.961	/	4.30	11.00	/	/	/	11.00
	5320	3.560	3.503	/	4.30	11.00	/	/	/	11.00
	5500	3.640	4.254	/	4.30	11.00	/	/	/	11.00
	5580	4.542	4.953	/	4.30	11.00	/	/	/	11.00
	5700	4.649	4.847	/	4.30	11.00	/	/	/	11.00
	5720-2a	5.006	5.153	/	4.30	12.00	/	/	/	12.00
	5720-2c	0.204	0.098	/	4.30	29.00	/	/	/	29.00
	5745	1.977	1.931	/	4.30	30.00	/	/	/	30.00
	5785	1.921	1.879	/	4.30	30.00	/	/	/	30.00
	5825	1.844	1.675	/	4.30	30.00	/	/	/	30.00
802.11n 20M	5180	-1.131	-1.740	1.590	7.31	11.00	/	/	8.900	10.00
	5200	-1.643	-1.562	1.410	7.31	11.00	/	/	8.720	10.00
	5240	-1.332	-1.675	1.510	7.31	11.00	/	/	8.820	10.00
	5260	3.584	3.453	6.530	7.31	11.00	/	/	/	11.00
	5280	3.432	3.348	6.400	7.31	11.00	/	/	/	11.00
	5320	3.342	2.930	6.150	7.31	11.00	/	/	/	11.00
	5500	2.958	2.998	5.990	7.31	11.00	/	/	/	11.00
	5580	3.396	3.960	6.700	7.31	11.00	/	/	/	11.00
	5700	3.651	3.789	6.730	7.31	11.00	/	/	/	11.00
	5720-2a	3.732	3.963	6.860	7.31	12.00	/	/	/	12.00
	5720-2c	-1.240	-1.218	1.780	7.31	29.00	/	/	/	29.00
	5745	0.907	0.752	3.840	7.31	30.00	/	/	/	30.00
	5785	0.832	0.617	3.740	7.31	30.00	/	/	/	30.00
	5825	0.573	0.397	3.500	7.31	30.00	/	/	/	30.00
802.11n 40M	5190	-0.829	-1.077	2.060	7.31	11.00	/	/	9.370	10.00
	5230	-1.007	-1.125	1.940	7.31	11.00	/	/	9.250	10.00
	5270	0.620	0.586	3.620	7.31	11.00	/	/	/	11.00
	5310	0.154	-0.264	2.960	7.31	11.00	/	/	/	11.00
	5510	-0.305	0.061	2.890	7.31	11.00	/	/	/	11.00
	5550	0.261	0.625	3.460	7.31	11.00	/	/	/	11.00



	5670	0.677	0.852	3.780	7.31	11.00	/	/	/	11.00
	5710-2a	0.974	1.111	4.050	7.31	12.00	/	/	/	12.00
	5710-2c	-4.796	-4.941	-1.860	7.31	29.00	/	/	/	29.00
	5755	-1.846	-1.835	1.170	7.31	30.00	/	/	/	30.00
	5795	-2.130	-1.914	0.990	7.31	30.00	/	/	/	30.00
802.11ac 80M	5210	-1.789	-1.879	1.180	7.31	11.00	/	/	8.490	10.00
	5290	-2.663	-2.526	0.420	7.31	11.00	/	/	/	11.00
	5530	-2.398	-2.206	0.710	7.31	11.00	/	/	/	11.00
	5610	-1.996	-2.066	0.980	7.31	11.00	/	/	/	11.00
	5690-2a	-1.860	-2.088	1.040	7.31	12.00	/	/	/	12.00
	5690-2c	-8.451	-7.967	-5.19	7.31	29.00	/	/	/	29.00
	5775	-4.498	-4.545	-1.51	7.31	30.00	/	/	/	30.00

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.