Appendix for FCC 5G WIFI

Test Report No. :CTL2205179032-WF02

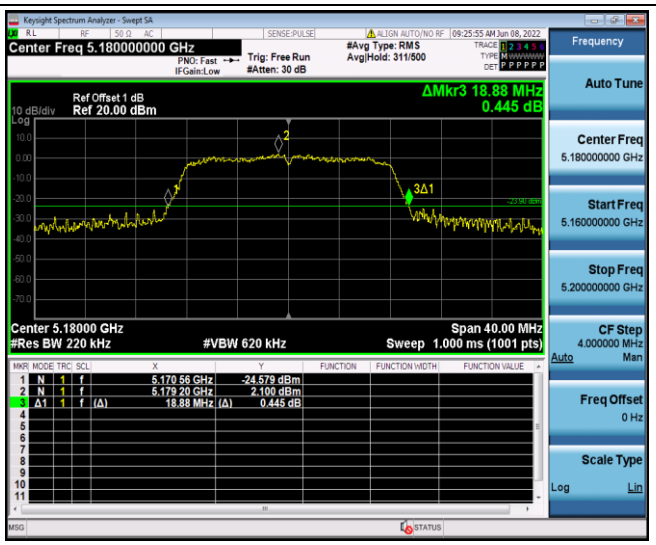
Appendix A: Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.880	5170.560	5189.440	---	PASS
		5200	19.080	5190.560	5209.640	---	PASS
		5240	19.000	5230.520	5249.520	---	PASS
		5260	20.000	5249.480	5269.480	---	PASS
		5280	18.960	5270.560	5289.520	---	PASS
		5320	19.200	5310.240	5329.440	---	PASS
		5500	19.480	5490.560	5510.040	---	PASS
		5580	18.880	5570.600	5589.480	---	PASS
		5700	18.840	5690.640	5709.480	---	PASS
		5745	18.960	5735.640	5754.600	---	PASS
		5785	18.920	5775.560	5794.480	---	PASS
		5825	18.880	5815.520	5834.400	---	PASS
11N20SISO	Ant1	5180	19.240	5170.480	5189.720	---	PASS
		5200	19.160	5190.520	5209.680	---	PASS
		5240	19.120	5230.480	5249.600	---	PASS
		5260	19.240	5250.400	5269.640	---	PASS
		5280	19.120	5270.480	5289.600	---	PASS
		5320	19.280	5310.400	5329.680	---	PASS
		5500	19.240	5490.440	5509.680	---	PASS
		5580	19.160	5570.440	5589.600	---	PASS
		5700	20.080	5690.320	5710.400	---	PASS
		5745	19.200	5735.440	5754.640	---	PASS
		5785	21.320	5775.400	5796.720	---	PASS
		5825	19.120	5815.480	5834.600	---	PASS
11N40SISO	Ant1	5190	39.280	5170.400	5209.680	---	PASS
		5230	39.120	5210.480	5249.600	---	PASS
		5270	39.440	5250.400	5289.840	---	PASS
		5310	39.440	5290.240	5329.680	---	PASS
		5510	39.280	5490.480	5529.760	---	PASS
		5550	39.680	5530.160	5569.840	---	PASS
		5670	39.520	5650.400	5689.920	---	PASS
		5755	39.280	5735.400	5774.680	---	PASS

		5795	39.440	5775.320	5814.760	---	PASS

Test Graphs



11A_Ant1_5180

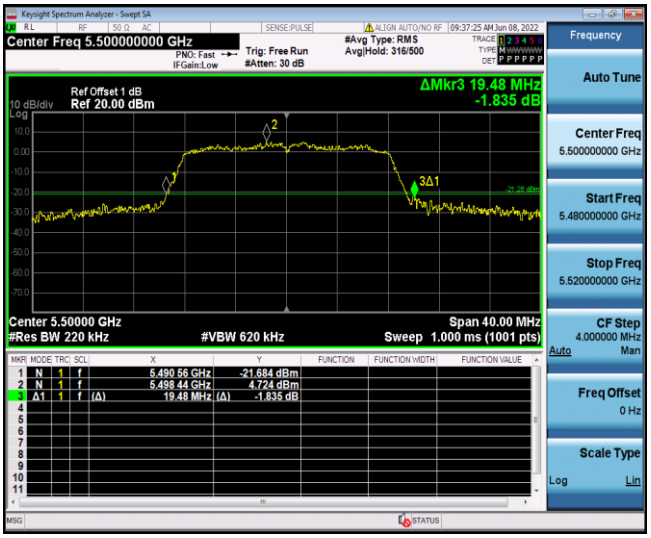
11A_Ant1_5200

11A_Ant1_5240

11A_Ant1_5260

11A_Ant1_5280

11A_Ant1_5320



11A_Ant1_5500

11A_Ant1_5580

11A_Ant1_5700

11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

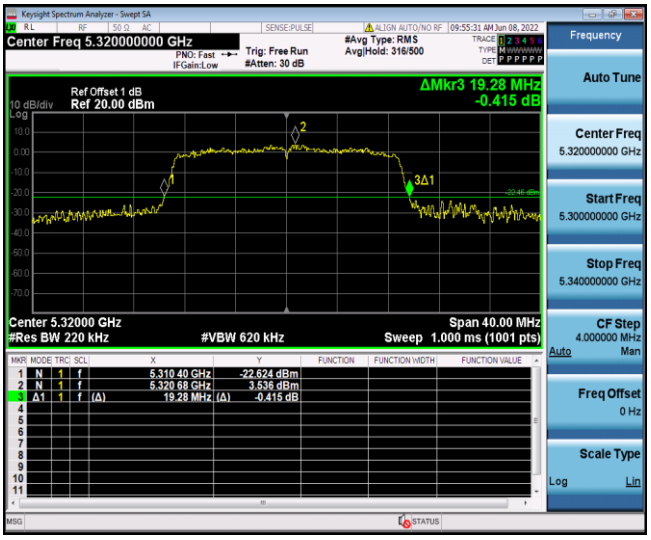
11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

11N20SISO_Ant1_5240

11N20SISO_Ant1_5260

11N20SISO_Ant1_5280



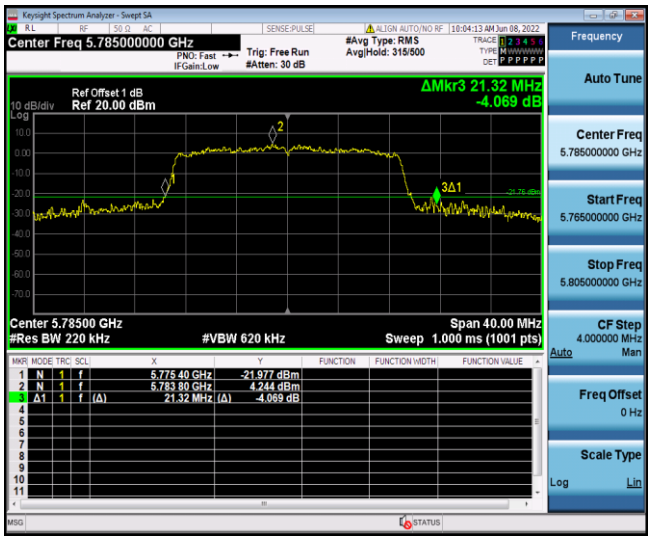
11N20SISO_Ant1_5320

11N20SISO_Ant1_5500

11N20SISO_Ant1_5580

11N20SISO_Ant1_5700

11N20SISO_Ant1_5745

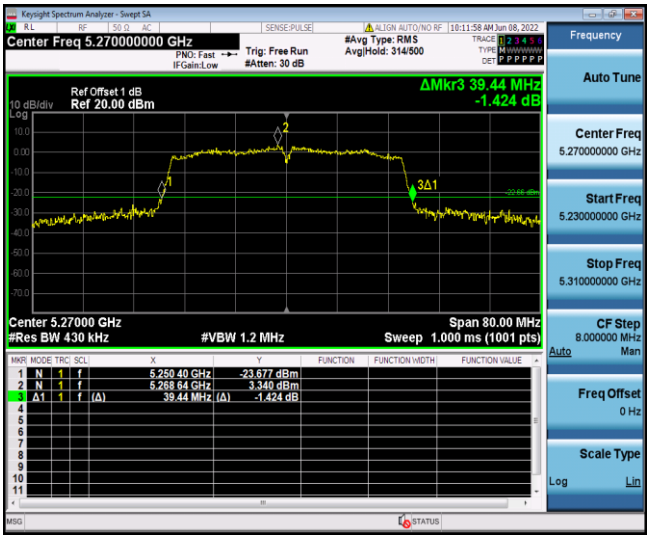


11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230



11N40SISO_Ant1_5270

11N40SISO_Ant1_5310

11N40SISO_Ant1_5510

11N40SISO_Ant1_5550

11N40SISO_Ant1_5670

11N40SISO_Ant1_5755

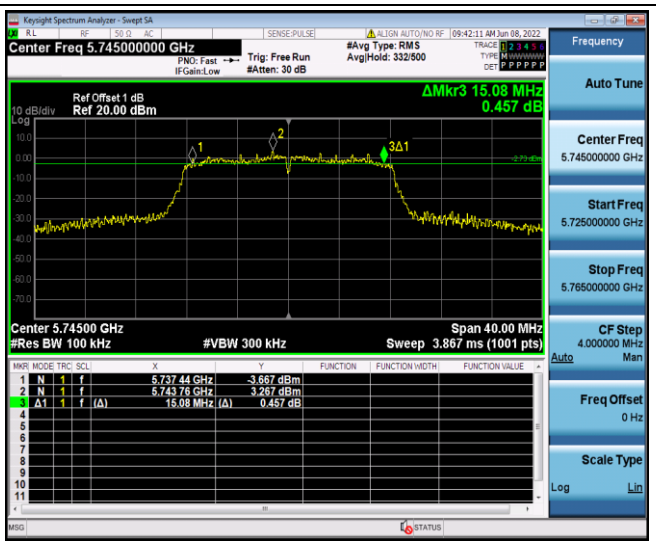
11N40SISO_Ant1_5795

Appendix B: Min emission bandwidth

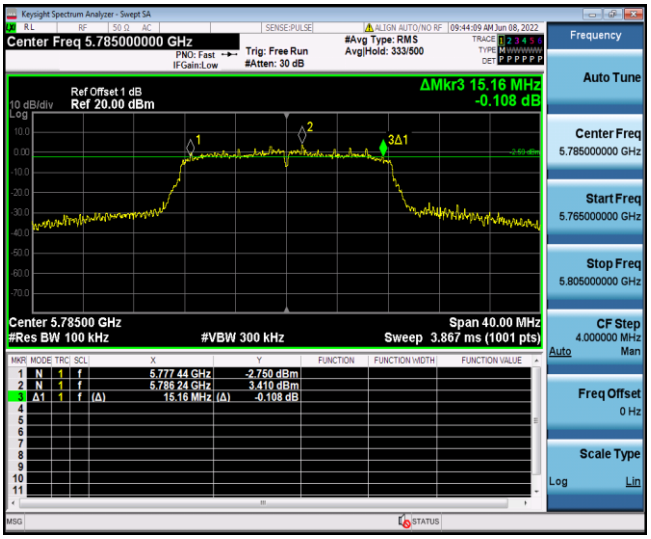
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.160	5817.440	5832.600	0.5	PASS
11N20SISO	Ant1	5745	14.360	5738.240	5752.600	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.160	5817.440	5832.600	0.5	PASS
11N40SISO	Ant1	5755	35.280	5737.400	5772.680	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS

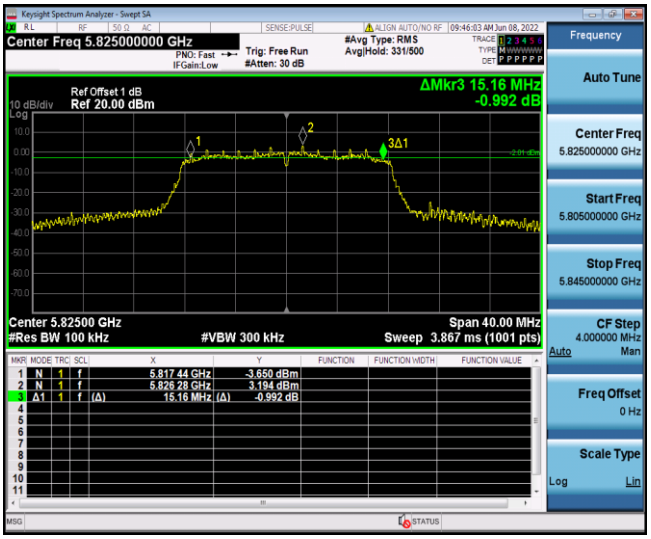
Test Graphs



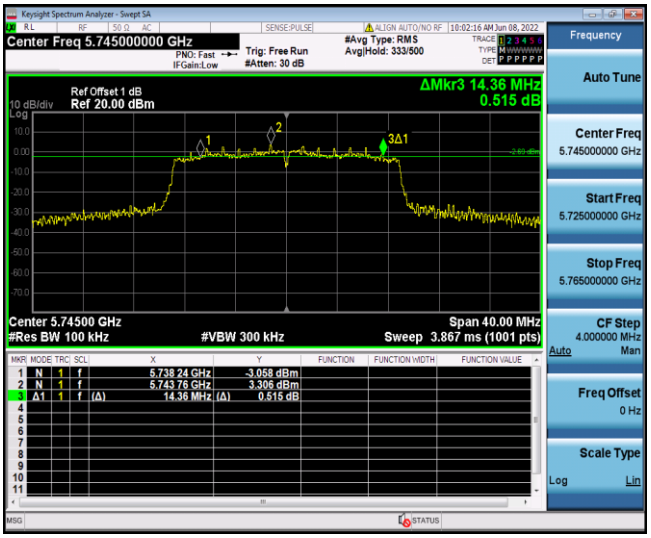
11A_Ant1_5745



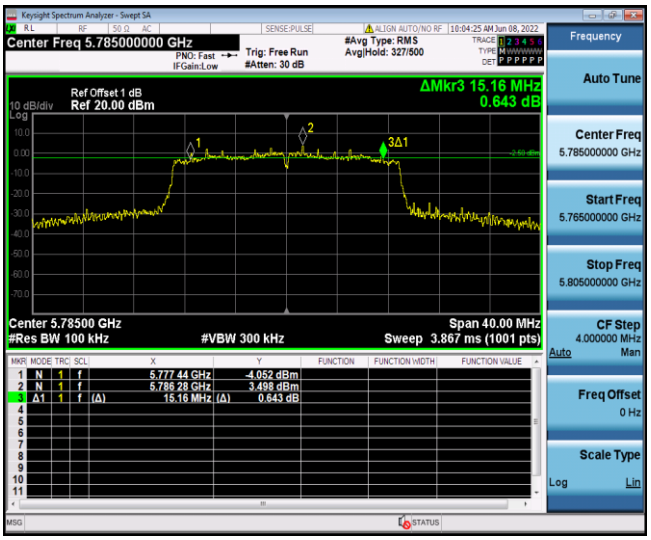
11A_Ant1_5785



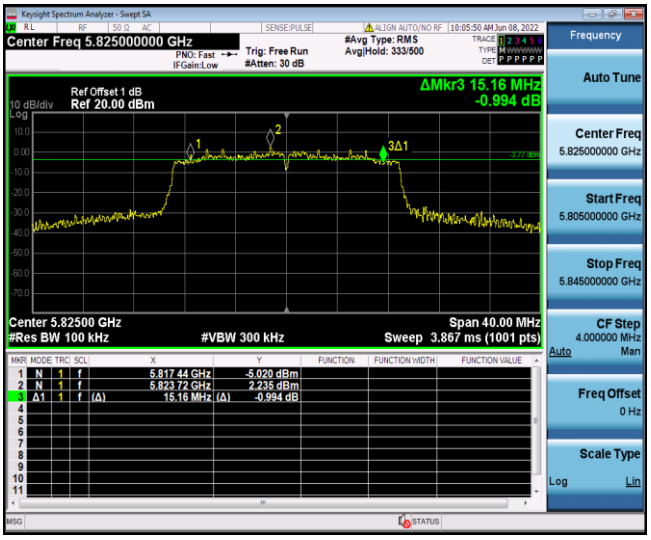
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	11.12	≤23.98	PASS
		5200	11.69	≤23.98	PASS
		5240	11.87	≤23.98	PASS
		5260	12.03	≤23.98	PASS
		5280	12.40	≤23.78	PASS
		5320	13.08	≤23.83	PASS
		5500	14.01	≤23.90	PASS
		5580	14.02	≤23.76	PASS
		5700	13.72	≤23.75	PASS
		5745	14.06	≤30	PASS
		5785	13.77	≤30	PASS
		5825	13.22	≤30	PASS
11N20SISO	Ant1	5180	11.23	≤23.98	PASS
		5200	11.43	≤23.98	PASS
		5240	11.83	≤23.98	PASS
		5260	12.00	≤23.84	PASS
		5280	12.16	≤23.81	PASS
		5320	12.80	≤23.85	PASS
		5500	13.88	≤23.84	PASS
		5580	13.65	≤23.82	PASS
		5700	13.57	≤23.98	PASS
		5745	14.02	≤30	PASS
		5785	13.59	≤30	PASS
		5825	13.03	≤30	PASS
11N40SISO	Ant1	5190	11.56	≤23.98	PASS
		5230	11.88	≤23.98	PASS
		5270	12.38	≤23.98	PASS
		5310	12.89	≤23.98	PASS
		5510	14.19	≤23.98	PASS
		5550	14.19	≤23.98	PASS
		5670	14.01	≤23.98	PASS
		5755	14.24	≤30	PASS
		5795	13.75	≤30	PASS

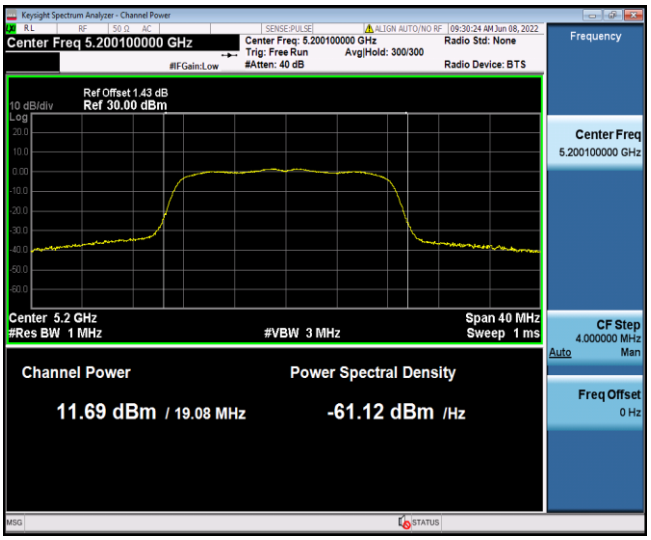
Note：1. The Duty Cycle Factor was compensated in the spectrum analyzer Ref offset.

2. Spectrum analyzer Ref offset=Cable Loss(1dB) + Duty Cycle Factor.

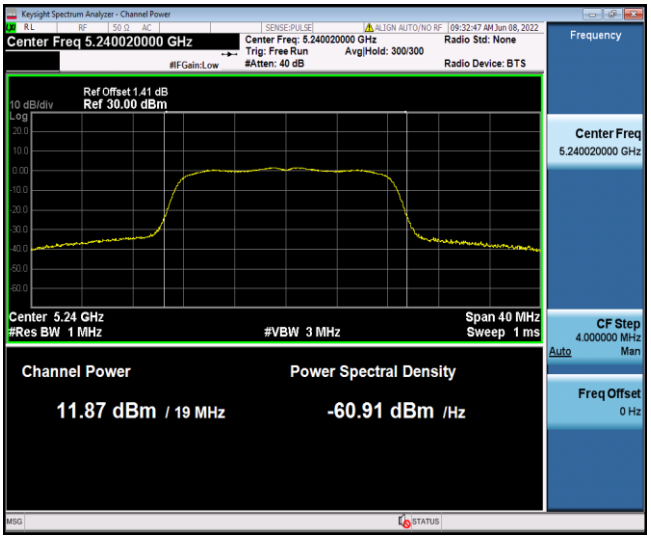
3. Duty Cycle Factor=10Log(1/X), where X is the Duty Cycle.

Test Graphs

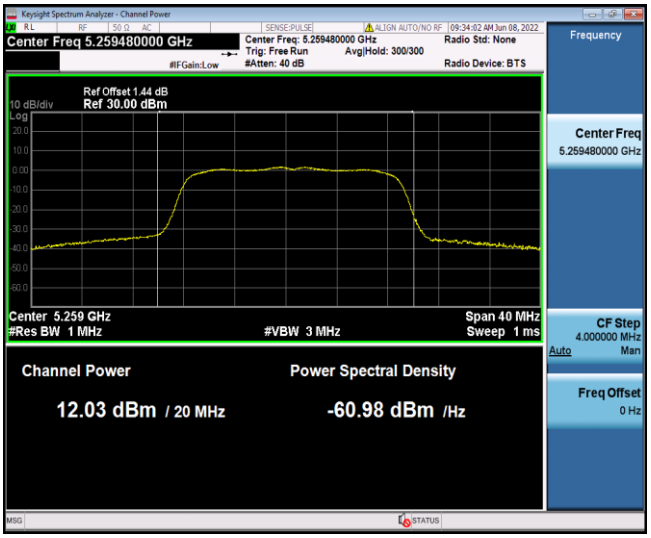
11A_Ant1_5180



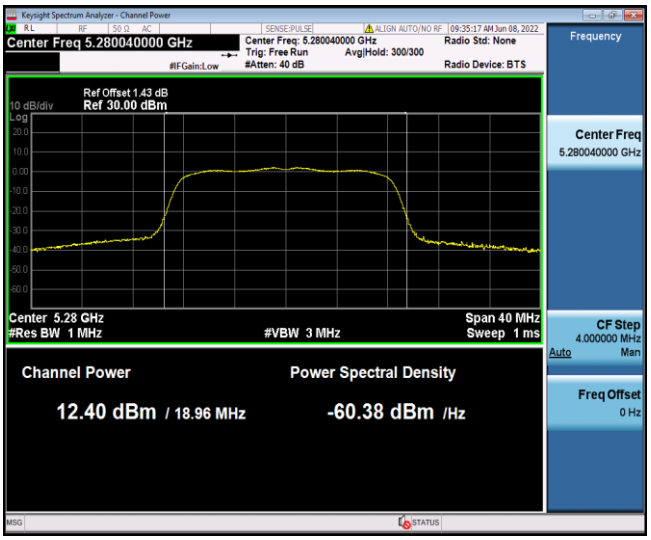
11A_Ant1_5200



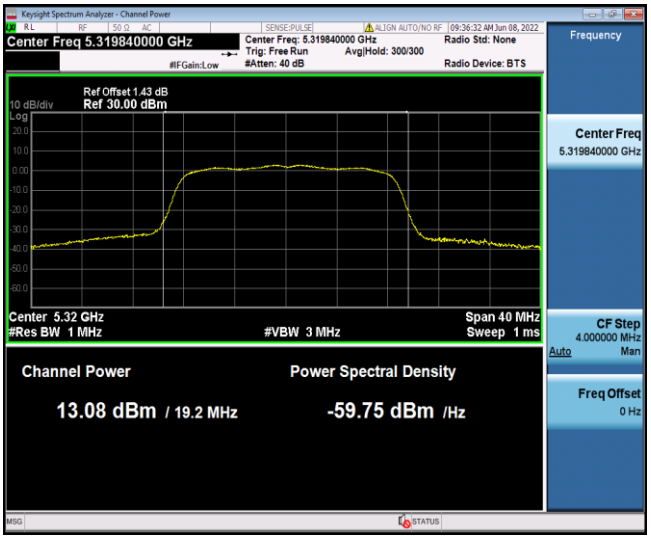
11A_Ant1_5240



11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320