

Appendix Test Data for RLAN(5.8G) (Conducted Measurement)

Product Name: Projector

Trade Mark: Aandz

Test Model: M1

FCC ID: 2BAWM-M1

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

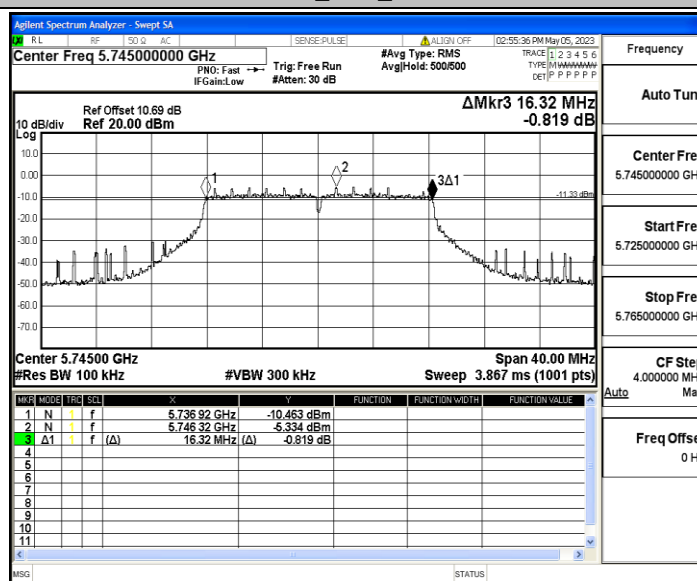
Appendix A: Min emission bandwidth

Test Result

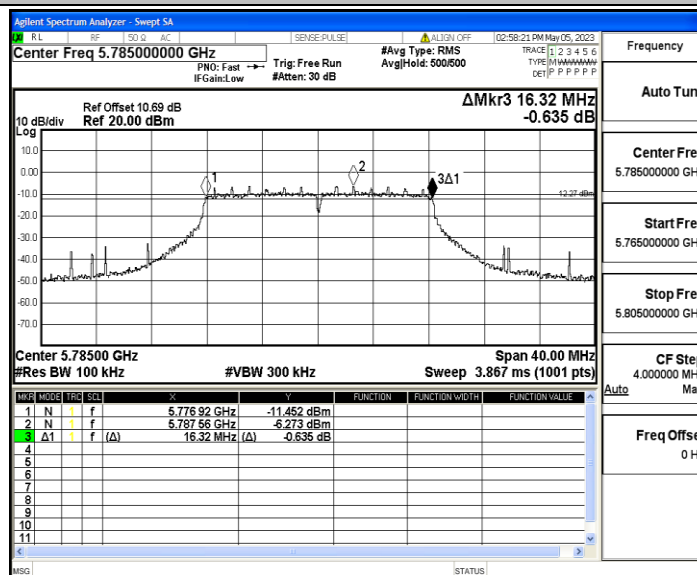
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.920	5753.240	0.5	PASS
		5785	16.320	5776.920	5793.240	0.5	PASS
		5825	16.320	5816.920	5833.240	0.5	PASS
11N20MIMO	Ant1	5745	17.560	5736.280	5753.840	0.5	PASS
		5785	17.560	5776.280	5793.840	0.5	PASS
		5825	17.320	5816.520	5833.840	0.5	PASS
11N40MIMO	Ant1	5755	35.520	5737.320	5772.840	0.5	PASS
		5795	35.360	5777.480	5812.840	0.5	PASS

Test Graphs

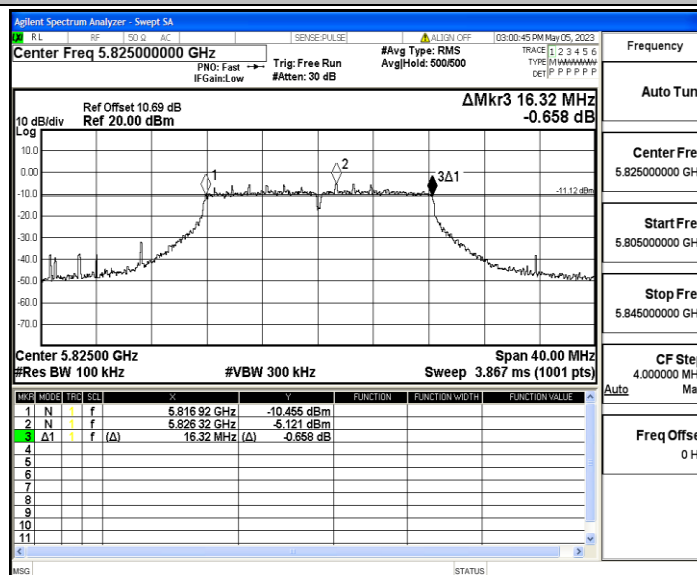
11A_Ant1_5745



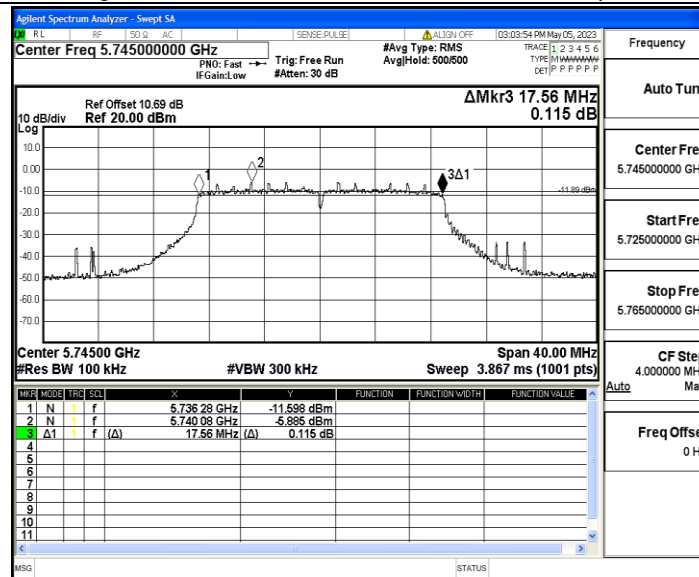
11A_Ant1_5785



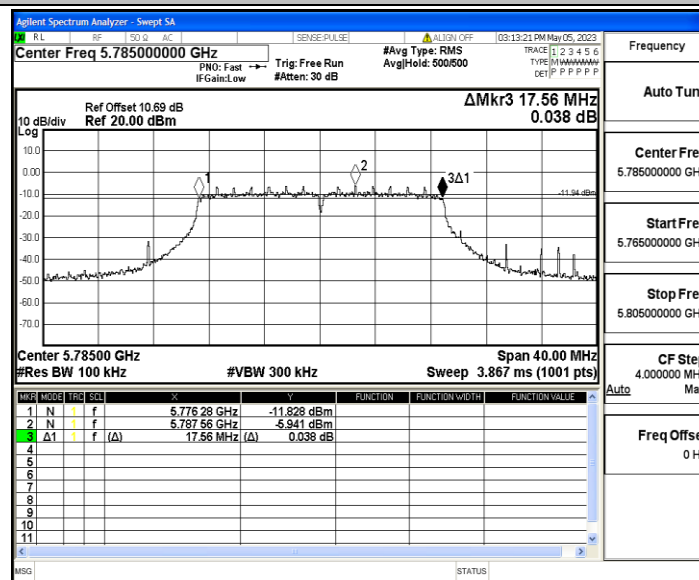
11A_Ant1_5825



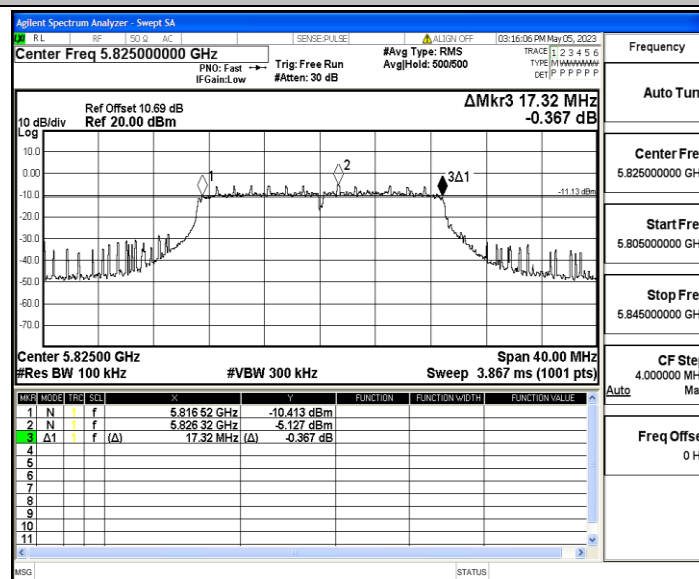
11N20MIMO_Ant1_5745



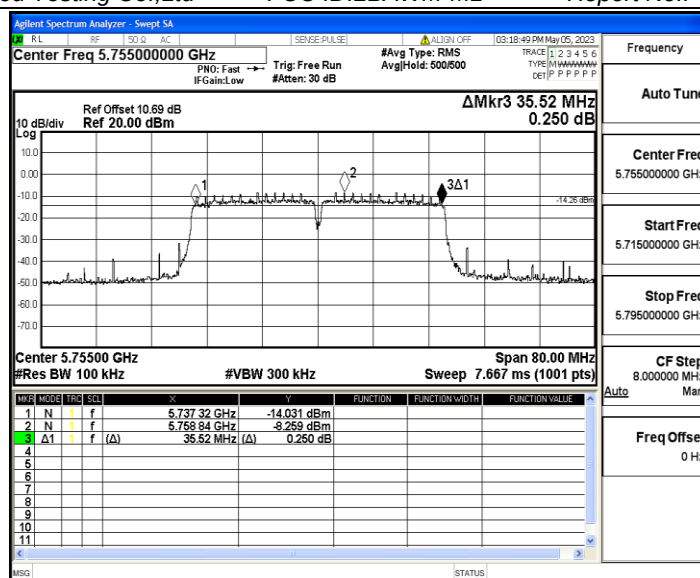
11N20MIMO_Ant1_5785



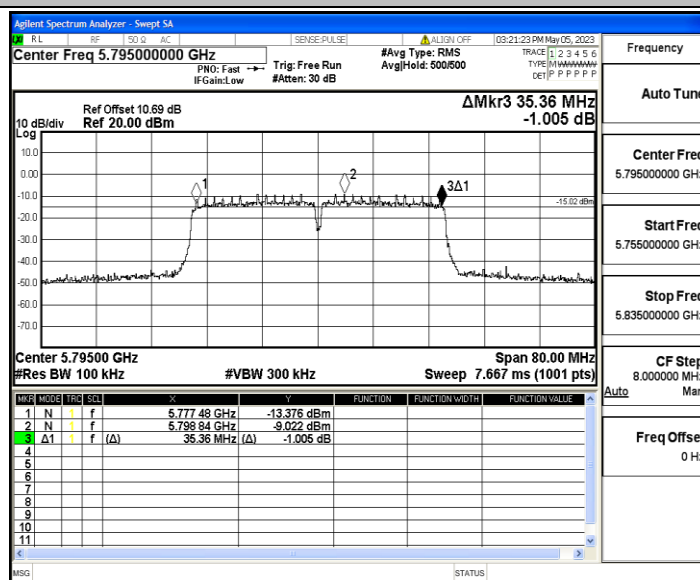
11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	5.79	≤29.45	PASS
		5785	5.14	≤29.45	PASS
		5825	5.99	≤29.45	PASS
11N20MIMO	Ant1	5745	5.46	≤29.45	PASS
		5785	5.17	≤29.45	PASS
		5825	6.10	≤29.45	PASS
11N40MIMO	Ant1	5755	5.91	≤29.45	PASS
		5795	5.27	≤29.45	PASS

Note: The Duty Cycle Factor is compensated in the test result.

Appendix C: Maximum power spectral density

Test Result

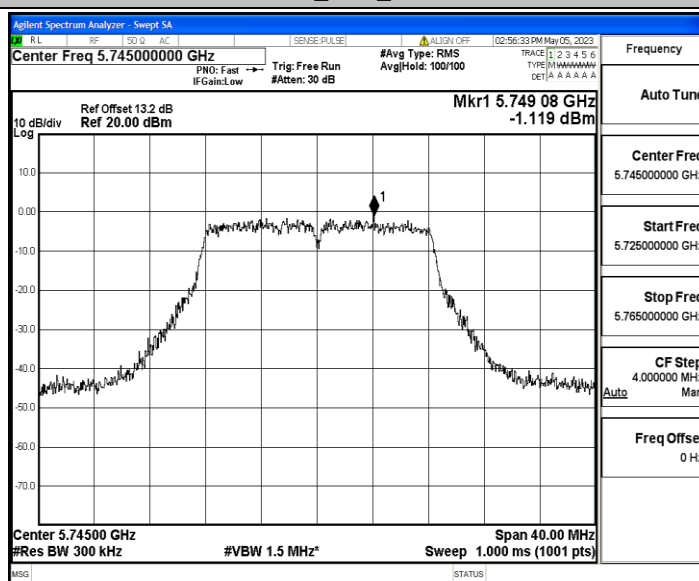
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-1.12	≤29.45	PASS
		5785	-1.36	≤29.45	PASS
		5825	-1.17	≤29.45	PASS
11N20MIMO	Ant1	5745	-1.57	≤29.45	PASS
		5785	-2.32	≤29.45	PASS
		5825	-1.18	≤29.45	PASS
11N40MIMO	Ant1	5755	-4.32	≤29.45	PASS
		5795	-4.95	≤29.45	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

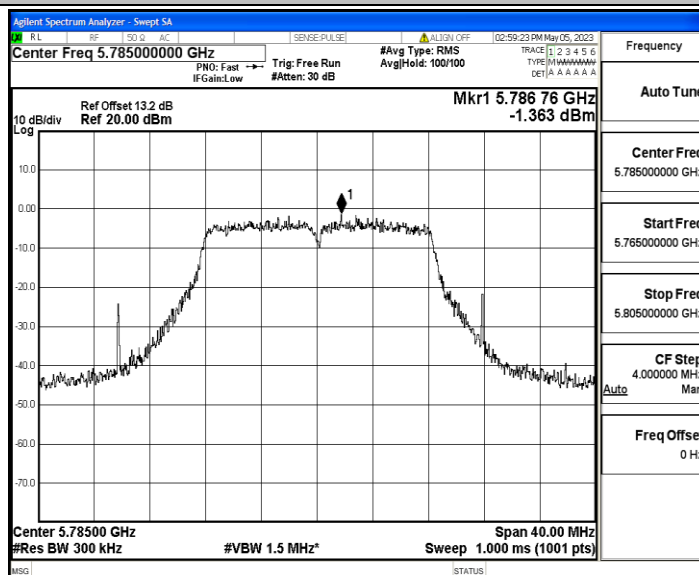
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

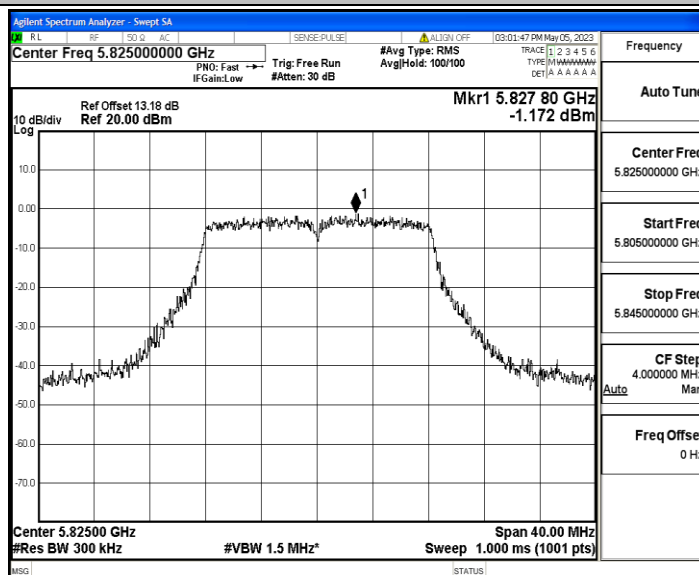
11A_Ant1_5745



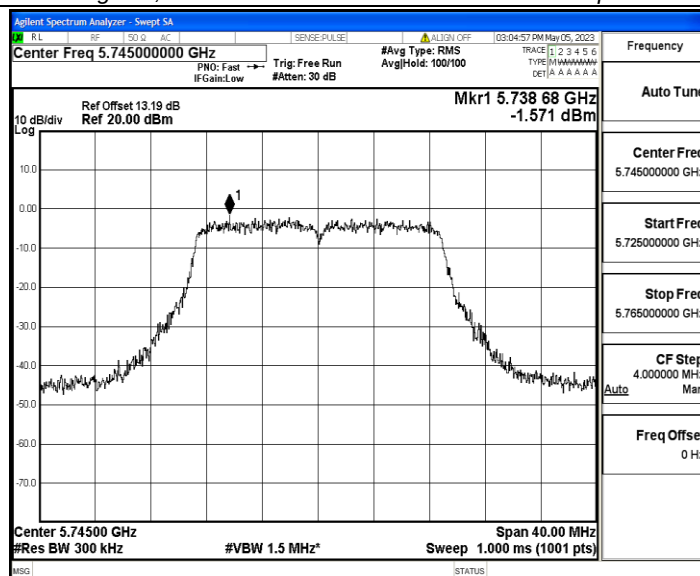
11A_Ant1_5785



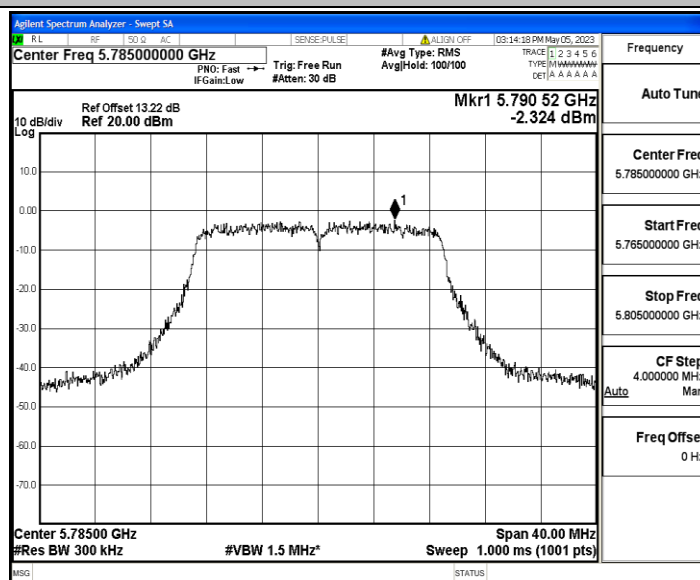
11A_Ant1_5825



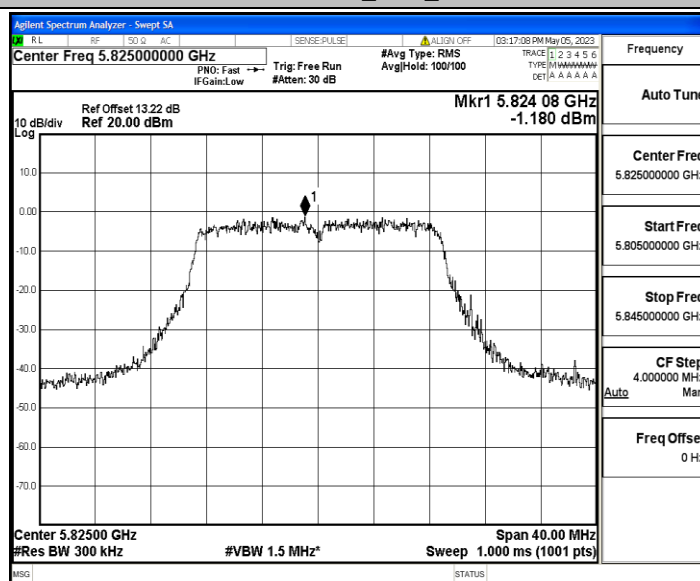
11N20MIMO_Ant1_5745



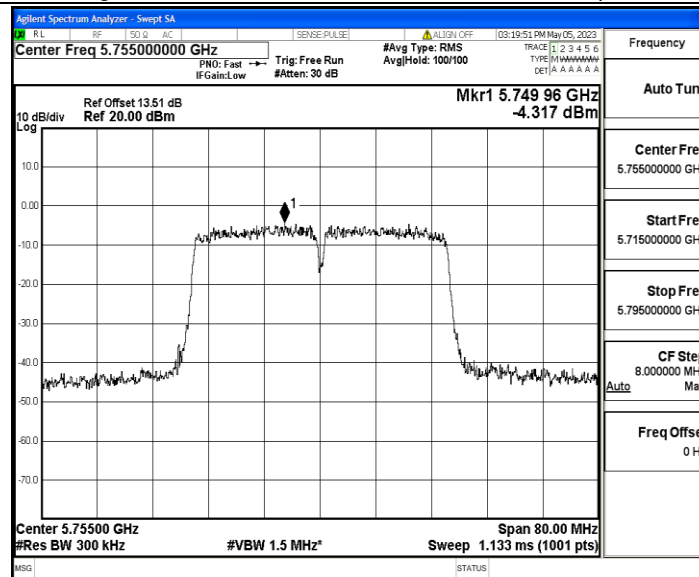
11N20MIMO_Ant1_5785



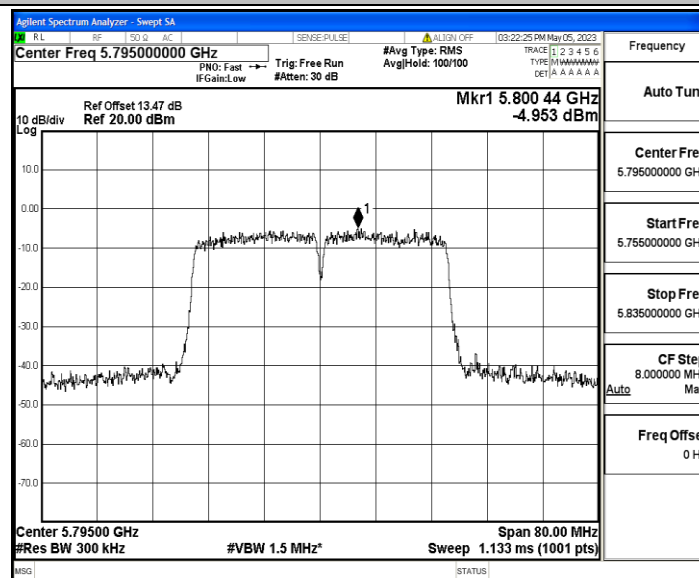
11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



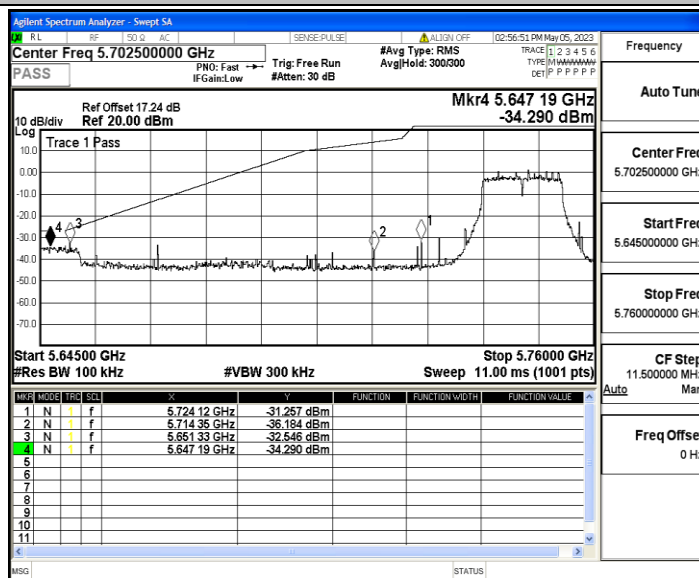
Appendix D: Band edge measurements

Test Result

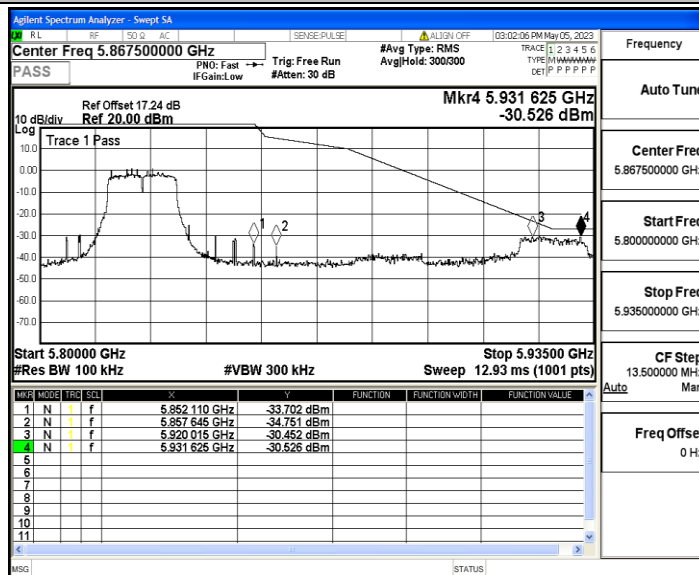
TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-32.55	≤-26.02	PASS
				5700~5720	-36.18	≤14.02	PASS
				5720~5725	-31.26	≤24.99	PASS
				5760~5650	-34.29	≤-27	PASS
		High	5825	5850~5855	-33.7	≤20.41	PASS
				5855~5875	-34.75	≤10.74	PASS
				5875~5925	-30.45	≤6.31	PASS
				5925~5935	-30.53	≤-27	PASS
11N20MI MO	Ant1	Low	5745	5650~5700	-34.44	≤-26.96	PASS
				5700~5720	-33.02	≤14.98	PASS
				5720~5725	-32.34	≤22.90	PASS
				5760~5650	-33.58	≤-27	PASS
		High	5825	5850~5855	-34.05	≤25.34	PASS
				5855~5875	-35.29	≤11.53	PASS
				5875~5925	-30.08	≤9.51	PASS
				5925~5935	-28.88	≤-27	PASS
11N40MI MO	Ant1	Low	5755	5650~5700	-35.31	≤-19.51	PASS
				5700~5720	-35.7	≤14.33	PASS
				5720~5725	-41.28	≤19.43	PASS
				5780~5650	-37	≤-27	PASS
		High	5795	5850~5855	-41.25	≤23.18	PASS
				5855~5875	-38.46	≤13.13	PASS
				5875~5925	-31.77	≤-8.49	PASS
				5925~5935	-40.32	≤-27	PASS

Test Graphs

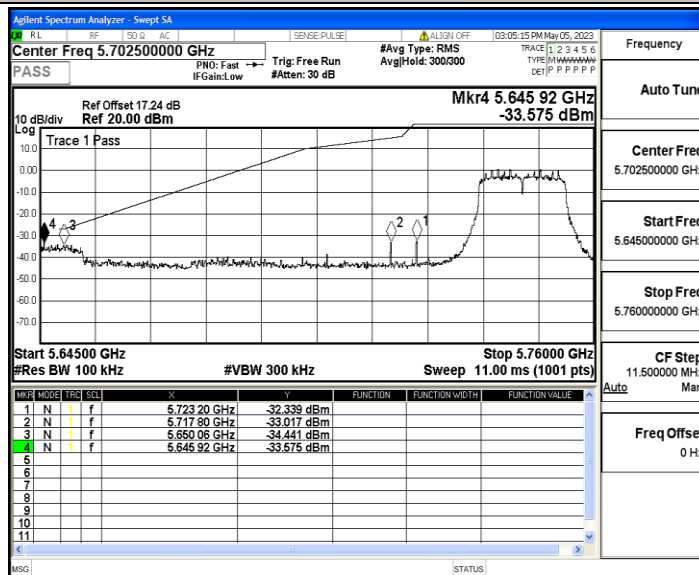
11A_Ant1_Low_5745



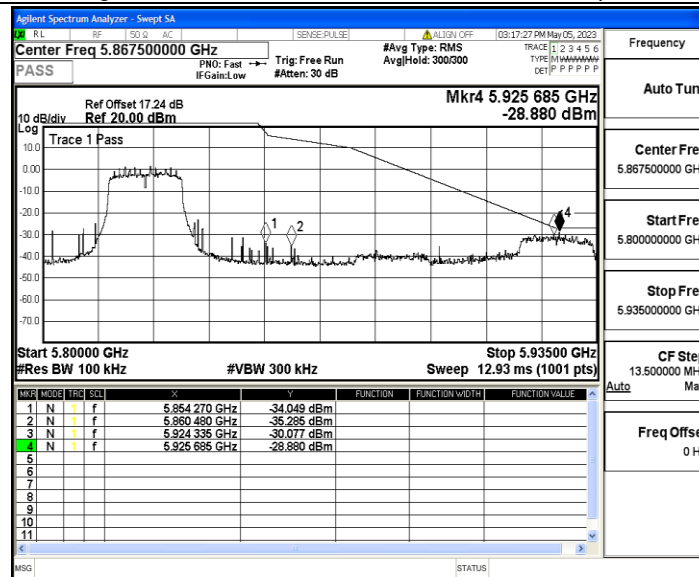
11A_Ant1_High_5825



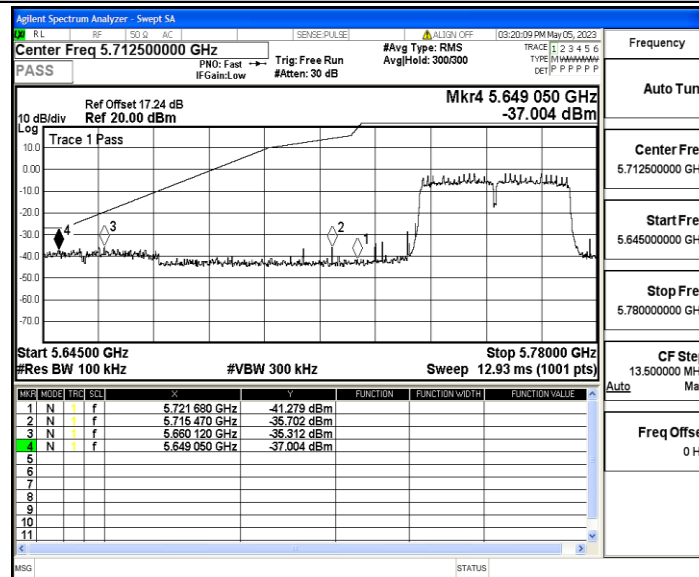
11N20MIMO_Ant1_Low_5745



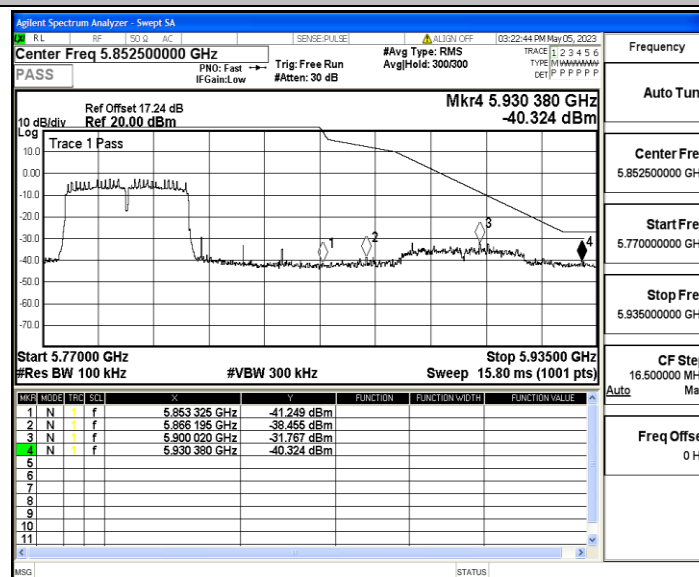
11N20MIMO_Ant1_High_5825



11N40MIMO_Ant1_Low_5755



11N40MIMO_Ant1_High_5795



Appendix E: Frequency Stability

Test Result

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5745.051308	5745 – 5825	PASS
5745	20	108	5745.061155	5745 – 5825	PASS
5745	50	120	5744.962421	5745 – 5825	PASS
5745	40	120	5744.957309	5745 – 5825	PASS
5745	30	120	5744.932468	5745 – 5825	PASS
5745	20	120	5745.042376	5745 – 5825	PASS
5745	10	120	5745.022314	5745 – 5825	PASS
5745	0	120	5745.038577	5745 – 5825	PASS
5745	-10	120	5745.050855	5745 – 5825	PASS
5745	-20	120	5745.049171	5745 – 5825	PASS
5745	-30	120	5744.960819	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.936023	5745 – 5825	PASS
5785	20	108	5785.063750	5745 – 5825	PASS
5785	50	120	5784.916755	5745 – 5825	PASS
5785	40	120	5784.929566	5745 – 5825	PASS
5785	30	120	5784.935675	5745 – 5825	PASS
5785	20	120	5784.950841	5745 – 5825	PASS
5785	10	120	5784.933635	5745 – 5825	PASS
5785	0	120	5785.034834	5745 – 5825	PASS
5785	-10	120	5784.966206	5745 – 5825	PASS
5785	-20	120	5784.943129	5745 – 5825	PASS
5785	-30	120	5784.991568	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.070965	5745 – 5825	PASS
5825	20	108	5824.943127	5745 – 5825	PASS
5825	50	120	5824.963907	5745 – 5825	PASS
5825	40	120	5824.901534	5745 – 5825	PASS
5825	30	120	5824.984920	5745 – 5825	PASS
5825	20	120	5824.995588	5745 – 5825	PASS
5825	10	120	5825.071378	5745 – 5825	PASS
5825	0	120	5825.078984	5745 – 5825	PASS
5825	-10	120	5824.989412	5745 – 5825	PASS
5825	-20	120	5824.954006	5745 – 5825	PASS
5825	-30	120	5824.996312	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.080602	5745 – 5825	PASS
5755	20	108	5755.020217	5745 – 5825	PASS
5755	50	120	5754.969508	5745 – 5825	PASS
5755	40	120	5754.977873	5745 – 5825	PASS
5755	30	120	5755.077203	5745 – 5825	PASS
5755	20	120	5755.073518	5745 – 5825	PASS
5755	10	120	5754.945267	5745 – 5825	PASS
5755	0	120	5755.094039	5745 – 5825	PASS
5755	-10	120	5754.937094	5745 – 5825	PASS
5755	-20	120	5754.906973	5745 – 5825	PASS
5755	-30	120	5754.962090	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.027752	5745 – 5825	PASS
5795	20	108	5795.013617	5745 – 5825	PASS
5795	50	120	5795.035378	5745 – 5825	PASS
5795	40	120	5794.958089	5745 – 5825	PASS
5795	30	120	5795.076986	5745 – 5825	PASS
5795	20	120	5794.976316	5745 – 5825	PASS
5795	10	120	5794.940506	5745 – 5825	PASS
5795	0	120	5794.913469	5745 – 5825	PASS
5795	-10	120	5795.076764	5745 – 5825	PASS
5795	-20	120	5795.060215	5745 – 5825	PASS
5795	-30	120	5795.033614	5745 – 5825	PASS

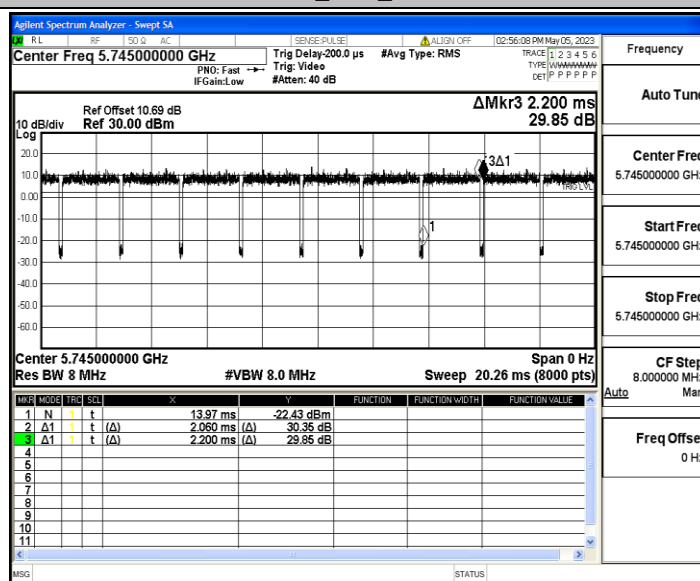
Appendix F: Duty Cycle

Test Result

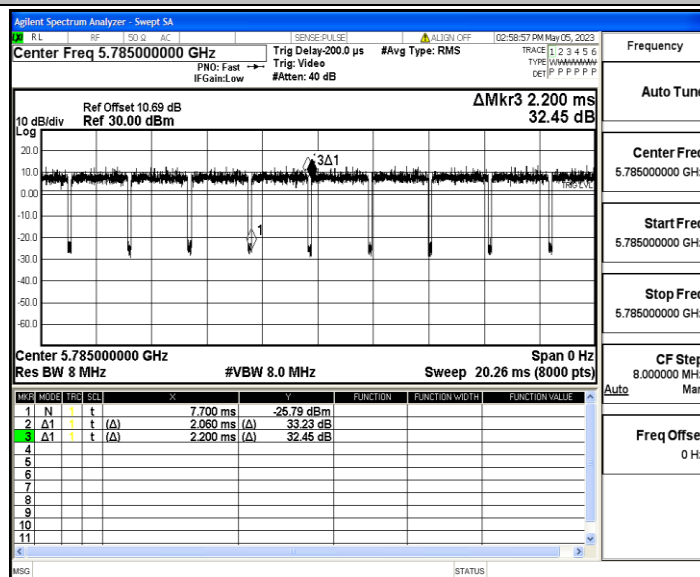
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5745	2.06	2.20	93.64	0.49
		5785	2.06	2.20	93.64	0.49
		5825	2.06	2.19	94.06	0.49
11N20MIMO	Ant1	5745	1.92	2.05	93.66	0.52
		5785	1.91	2.05	93.17	0.52
		5825	1.91	2.05	93.17	0.52
11N40MIMO	Ant1	5755	0.94	1.08	87.04	1.06
		5795	0.94	1.07	87.85	1.06

Test Graphs

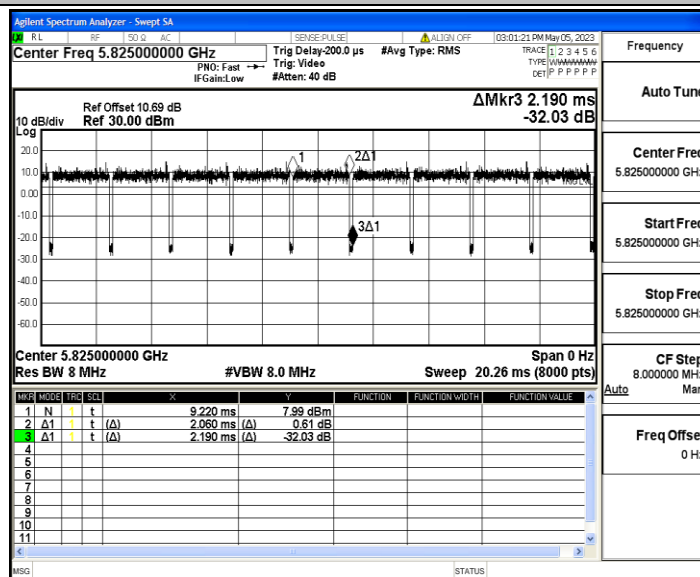
11A_Ant1_5745



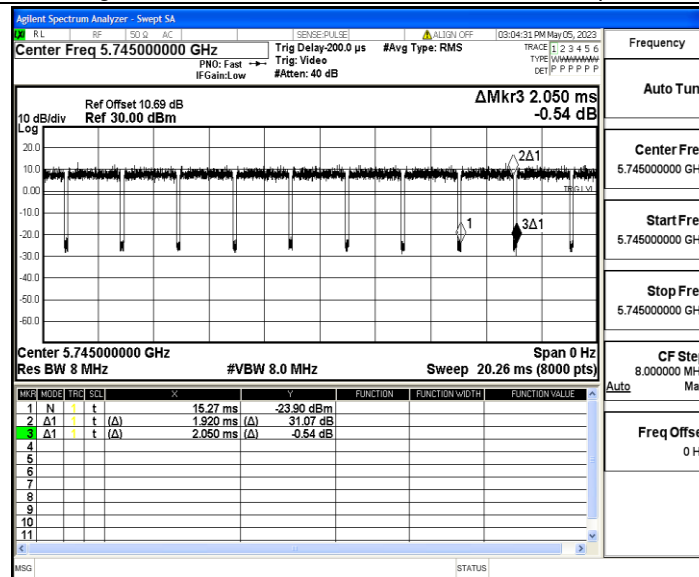
11A_Ant1_5785



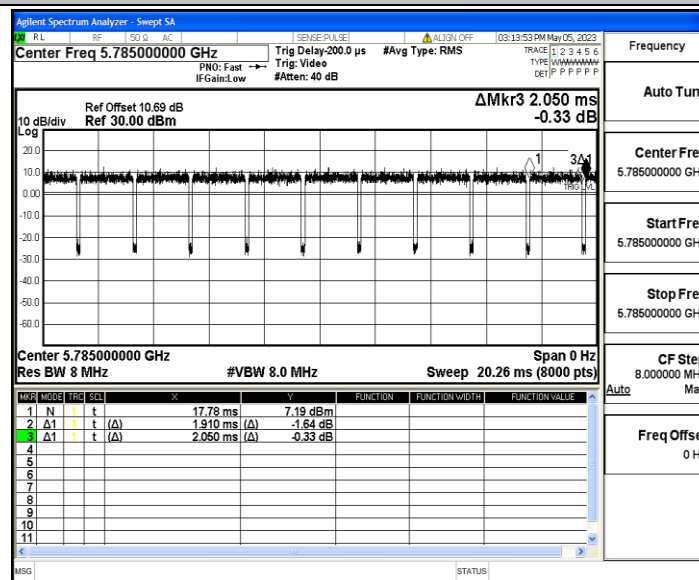
11A_Ant1_5825



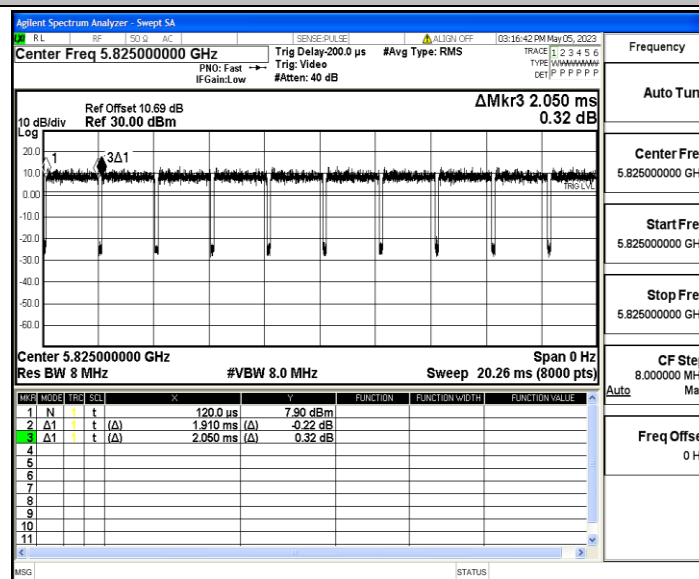
11N20MIMO_Ant1_5745



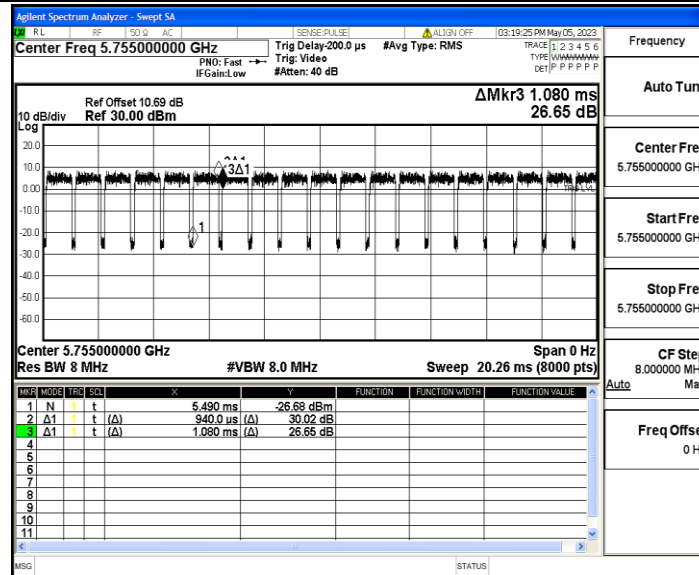
11N20MIMO_Ant1_5785



11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795

