

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

Product Name: Tablet PC

Trade Mark: **ZDK**

Test Model: T30

FCC ID: 2A97PT30

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

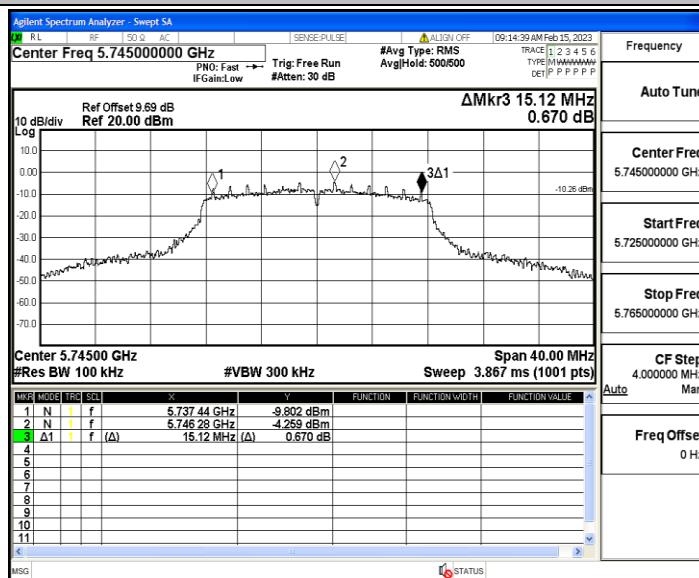
Appendix A: Min emission bandwidth

Test Result

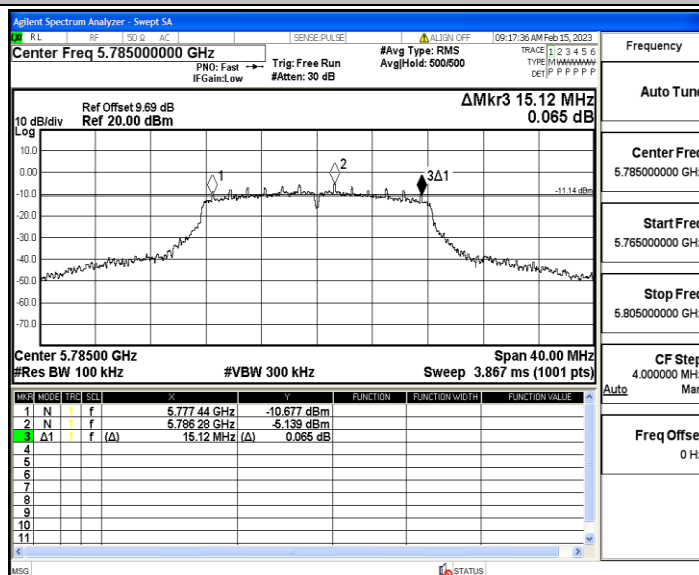
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20MIMO	Ant1	5745	15.080	5737.480	5752.560	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11N40MIMO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20MIMO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.040	5777.520	5792.560	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11AC40MIMO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80MIMO	Ant1	5775	75.680	5736.920	5812.600	0.5	PASS

Test Graphs

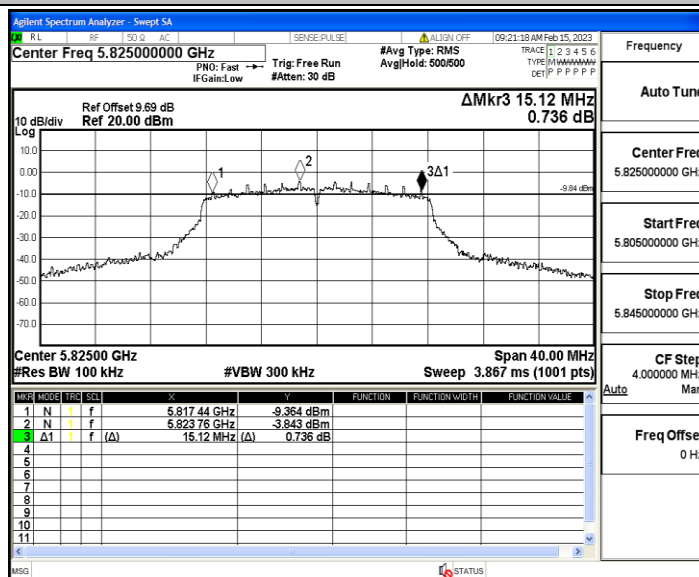
11A_Ant1_5745



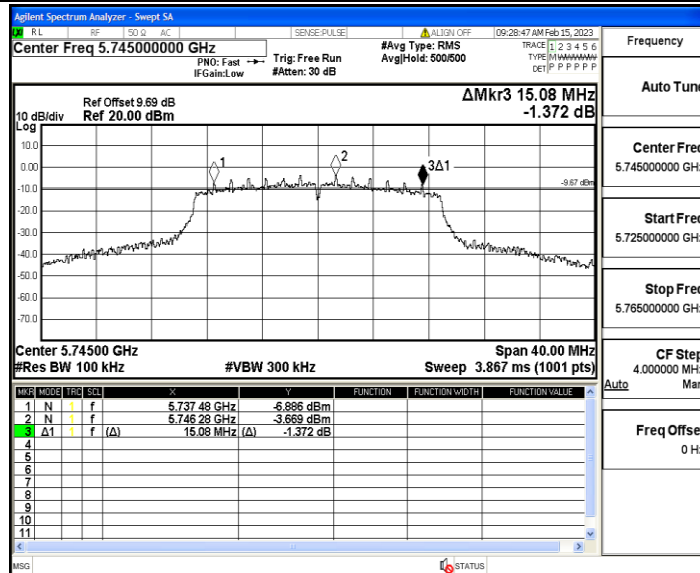
11A_Ant1_5785



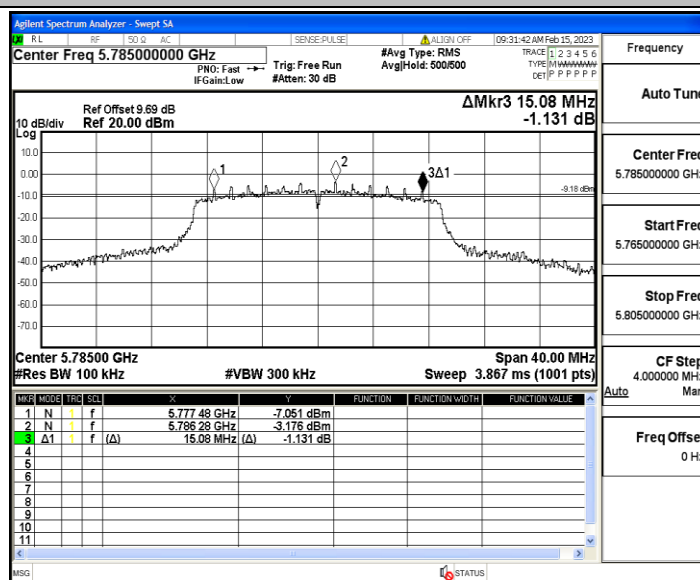
11A_Ant1_5825



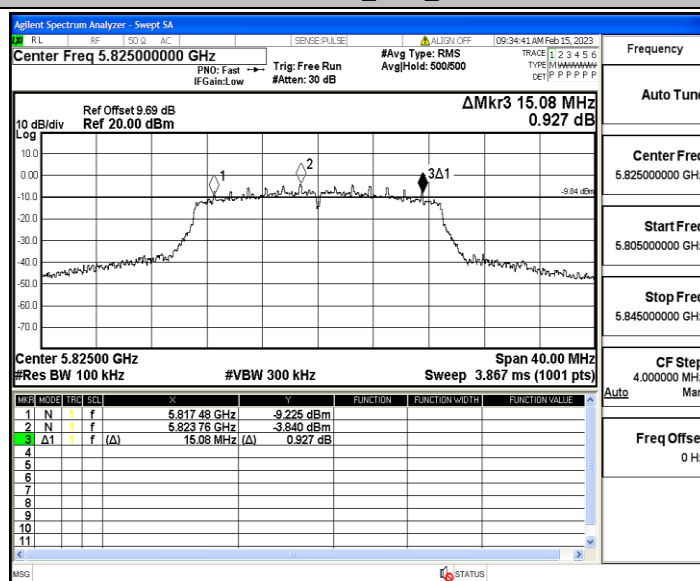
11N20MIMO_Ant1_5745



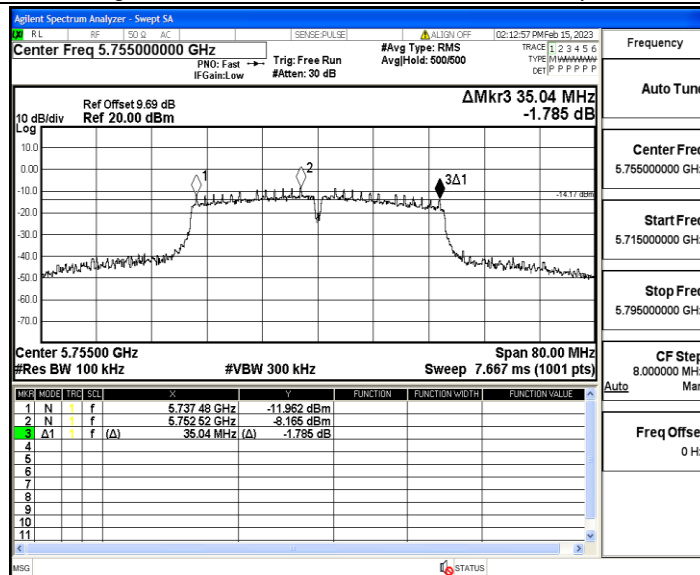
11N20MIMO_Ant1_5785



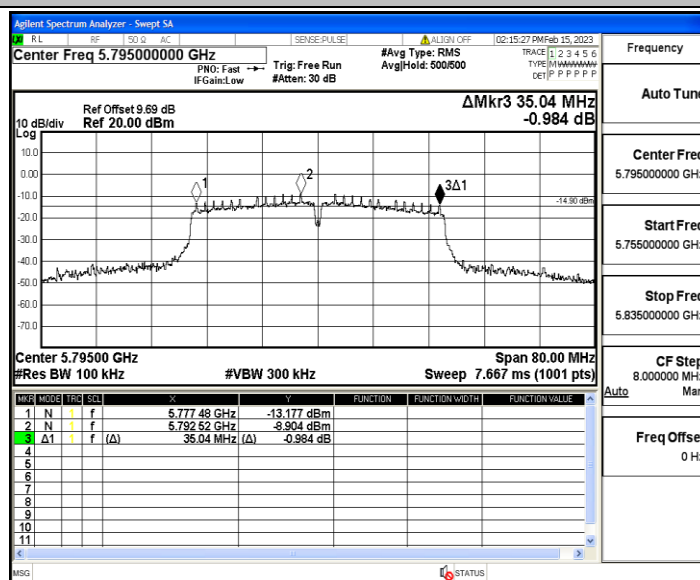
11N20MIMO_Ant1_5825



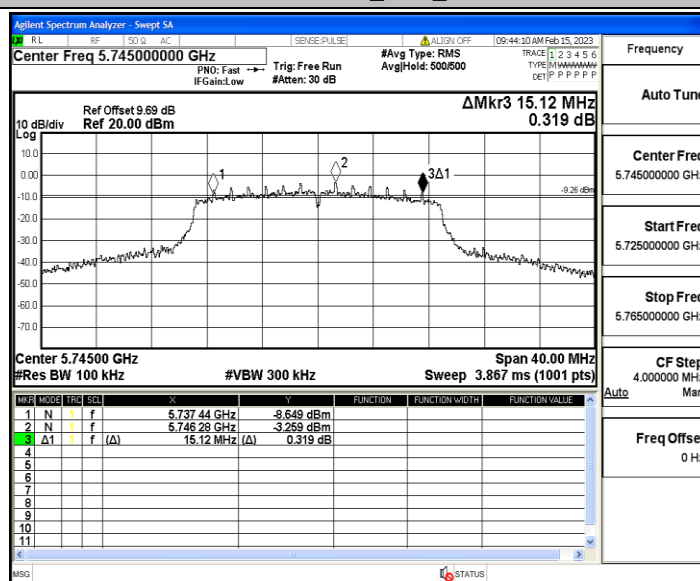
11N40MIMO_Ant1_5755



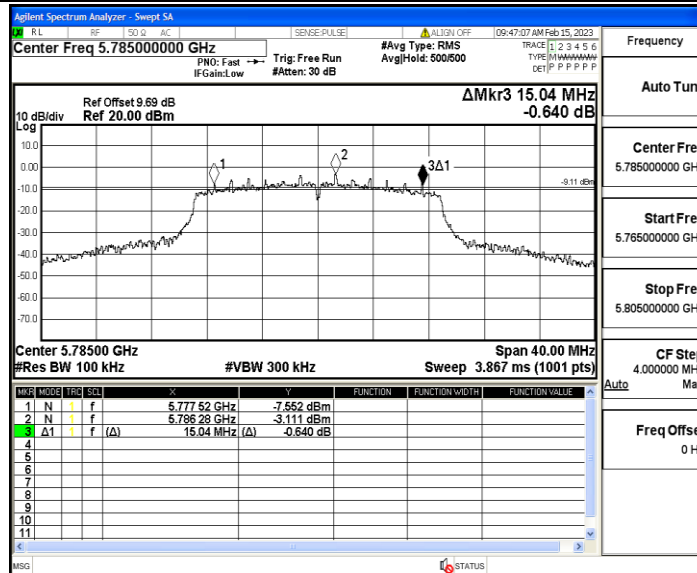
11N40MIMO_Ant1_5795



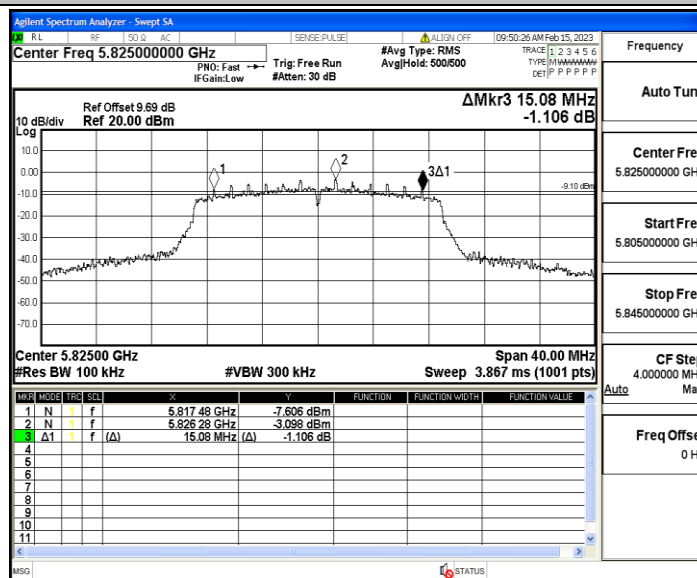
11AC20MIMO_Ant1_5745



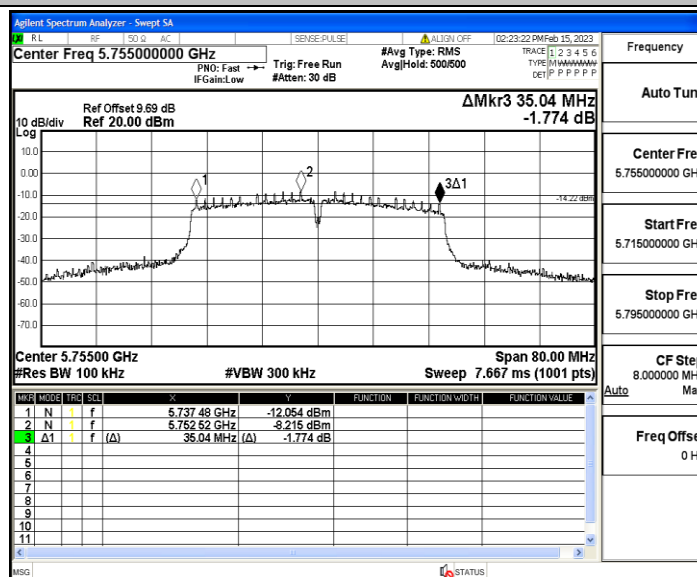
11AC20MIMO_Ant1_5785



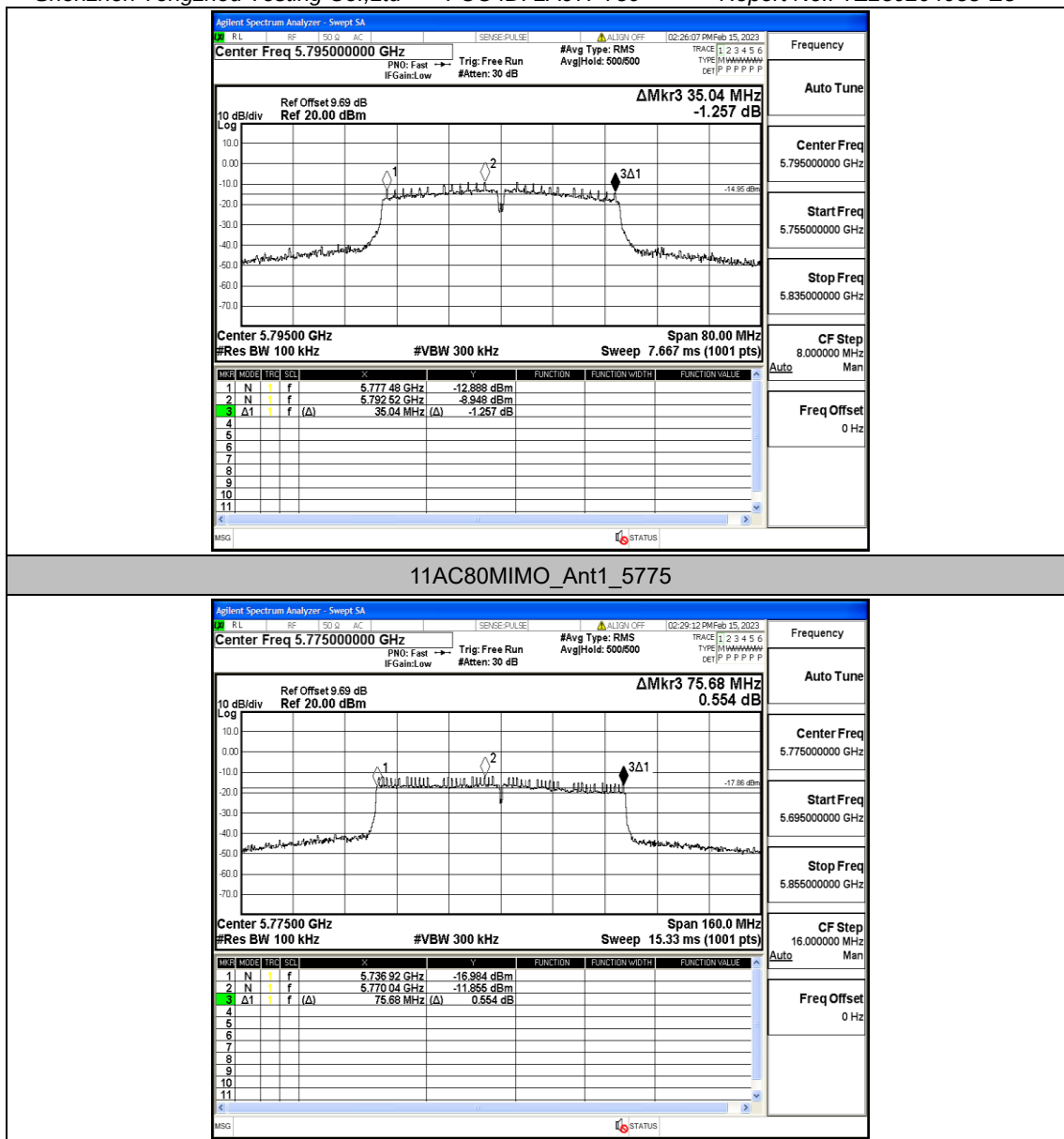
11AC20MIMO_Ant1_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	4.64	≤30.00	PASS
		5785	4.76	≤30.00	PASS
		5825	4.48	≤30.00	PASS
11N20MIMO	Ant1	5745	4.48	≤30.00	PASS
		5785	4.65	≤30.00	PASS
		5825	4.31	≤30.00	PASS
11N40MIMO	Ant1	5755	4.36	≤30.00	PASS
		5795	3.87	≤30.00	PASS
11AC20MIMO	Ant1	5745	4.42	≤30.00	PASS
		5785	4.65	≤30.00	PASS
		5825	4.34	≤30.00	PASS
11AC40MIMO	Ant1	5755	4.33	≤30.00	PASS
		5795	3.84	≤30.00	PASS
11AC80MIMO	Ant1	5775	4.28	≤30.00	PASS

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

Appendix C: Maximum power spectral density

Test Result

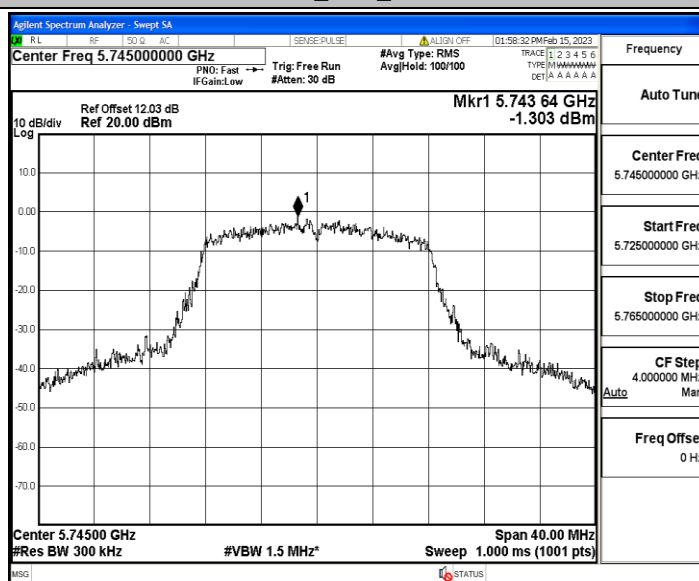
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-1.3	≤30.00	PASS
		5785	-1.36	≤30.00	PASS
		5825	-1.2	≤30.00	PASS
11N20MIMO	Ant1	5745	-1.76	≤30.00	PASS
		5785	-1.85	≤30.00	PASS
		5825	-2.34	≤30.00	PASS
11N40MIMO	Ant1	5755	-5.38	≤30.00	PASS
		5795	-6.01	≤30.00	PASS
11AC20MIMO	Ant1	5745	-2.21	≤30.00	PASS
		5785	-2.09	≤30.00	PASS
		5825	-2.39	≤30.00	PASS
11AC40MIMO	Ant1	5755	-5.19	≤30.00	PASS
		5795	-5.77	≤30.00	PASS
11AC80MIMO	Ant1	5775	-9.04	≤30.00	PASS

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

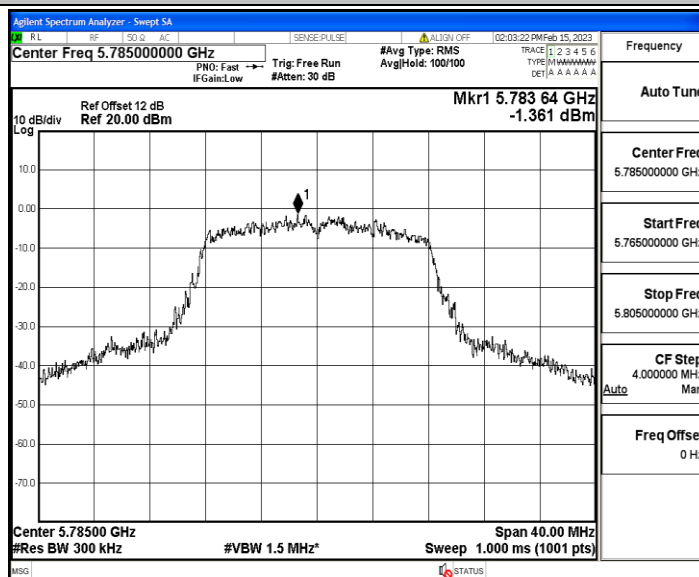
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

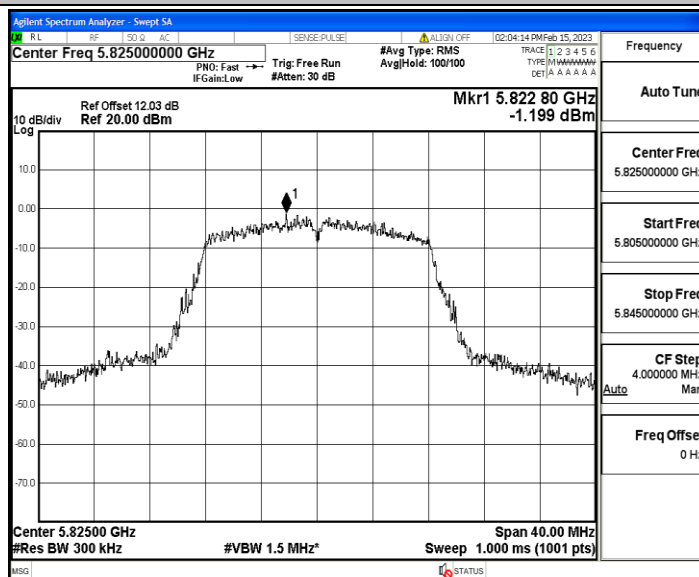
11A_Ant1_5745



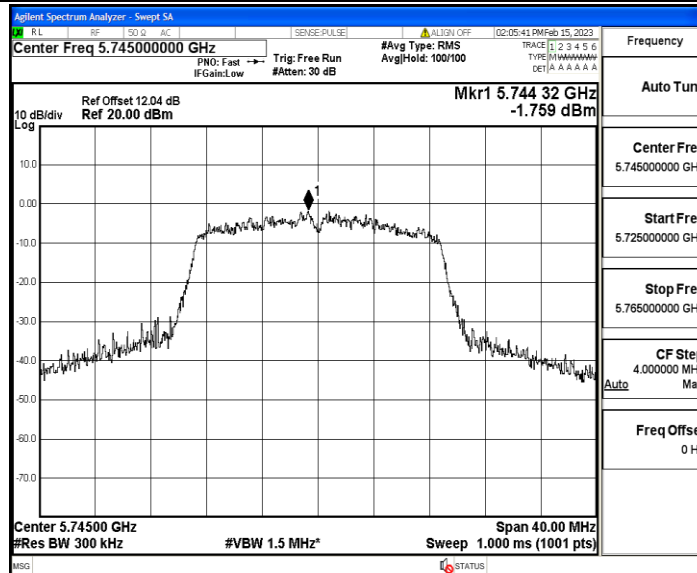
11A_Ant1_5785



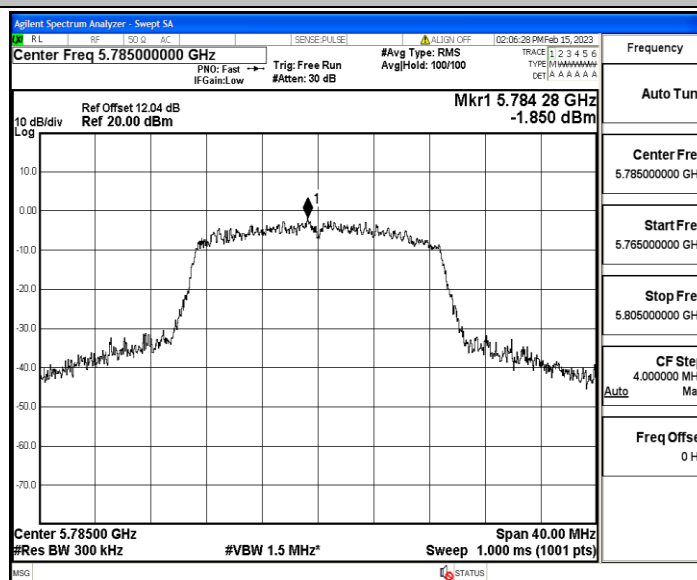
11A_Ant1_5825



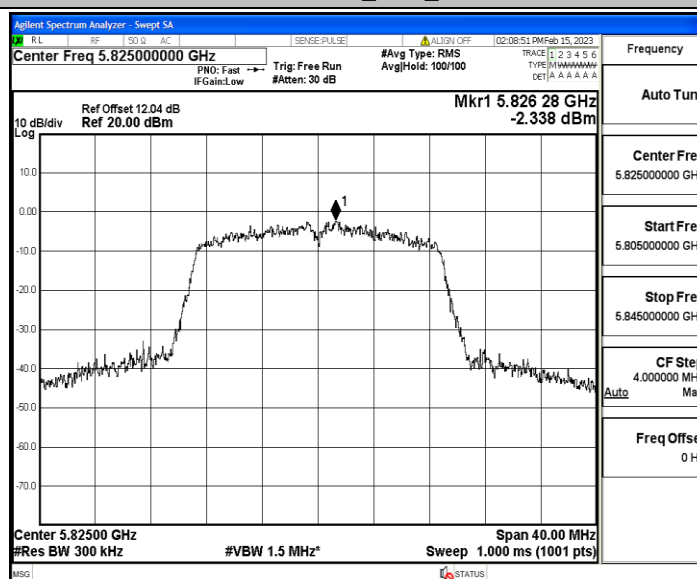
11N20MIMO_Ant1_5745



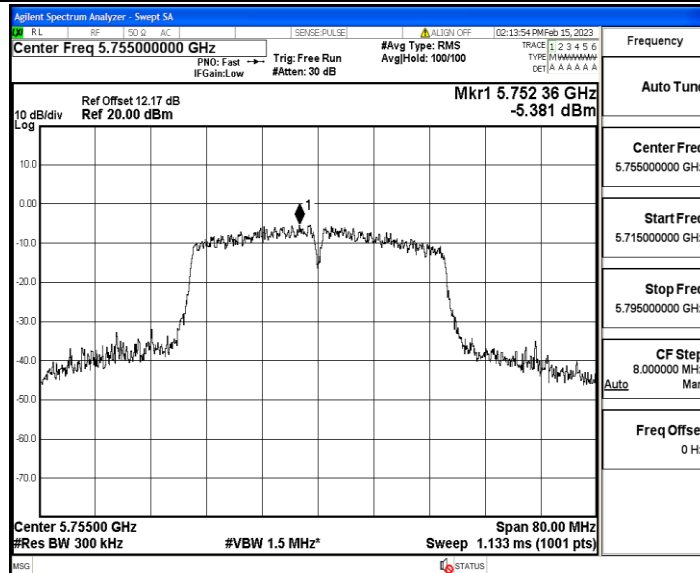
11N20MIMO_Ant1_5785



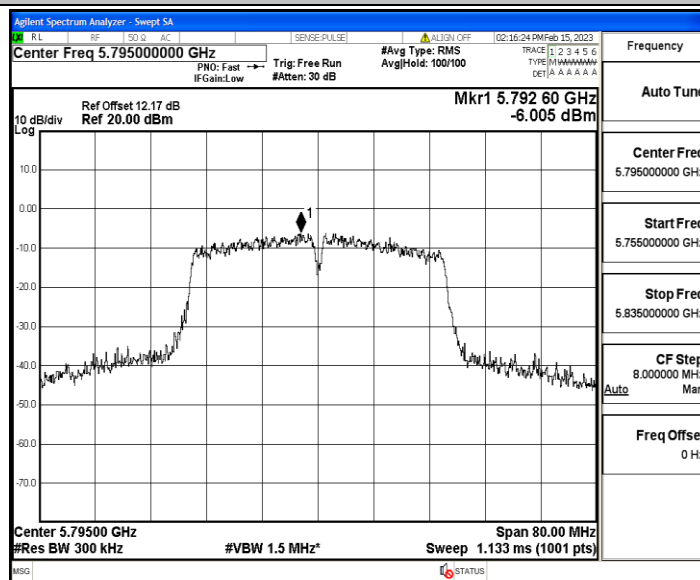
11N20MIMO_Ant1_5825



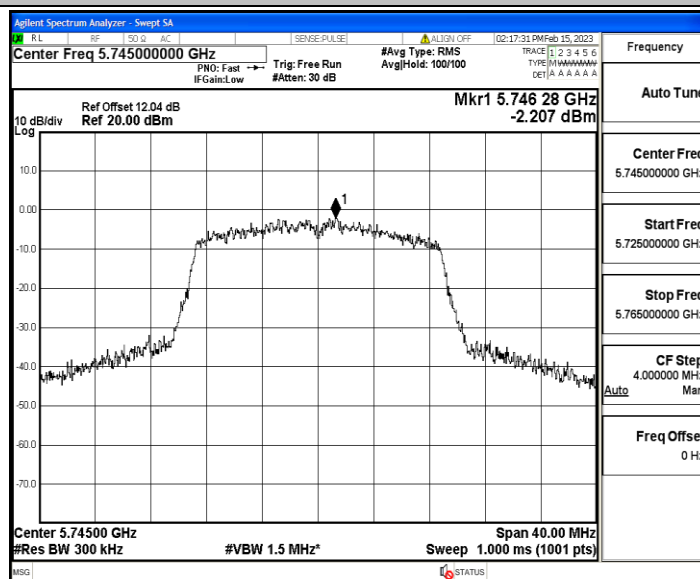
11N40MIMO_Ant1_5755



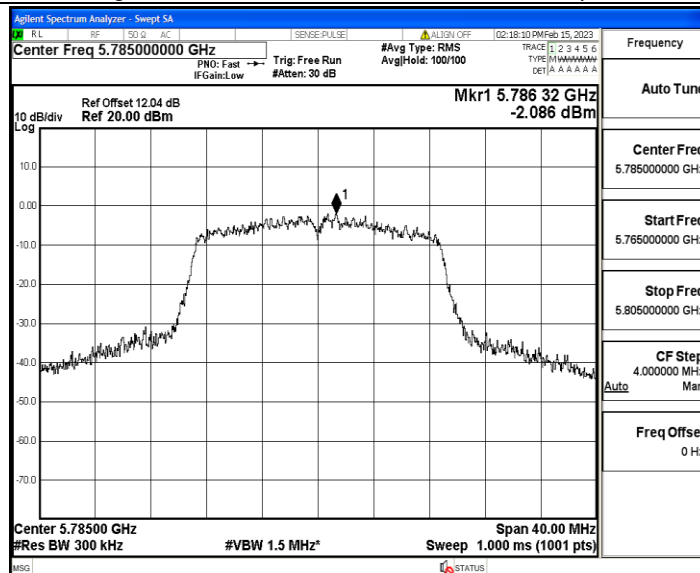
11N40MIMO_Ant1_5795



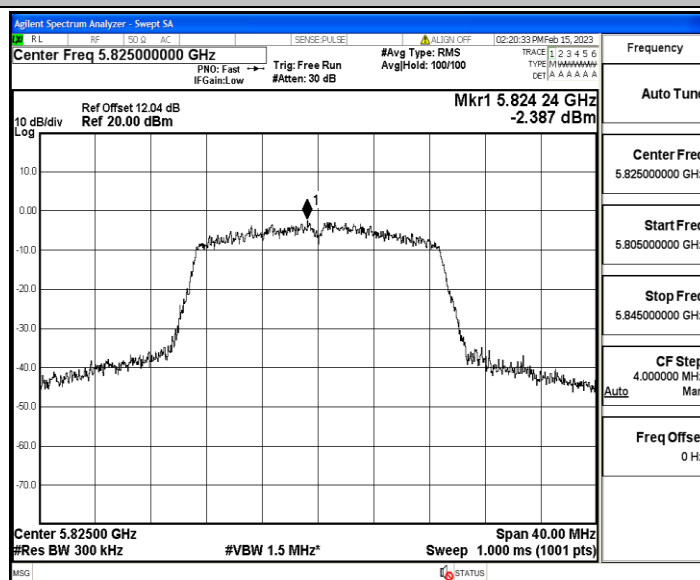
11AC20MIMO_Ant1_5745



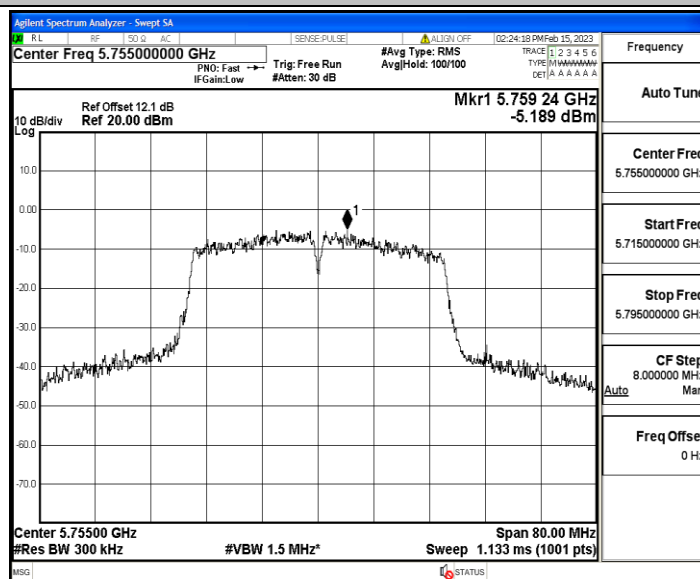
11AC20MIMO_Ant1_5785



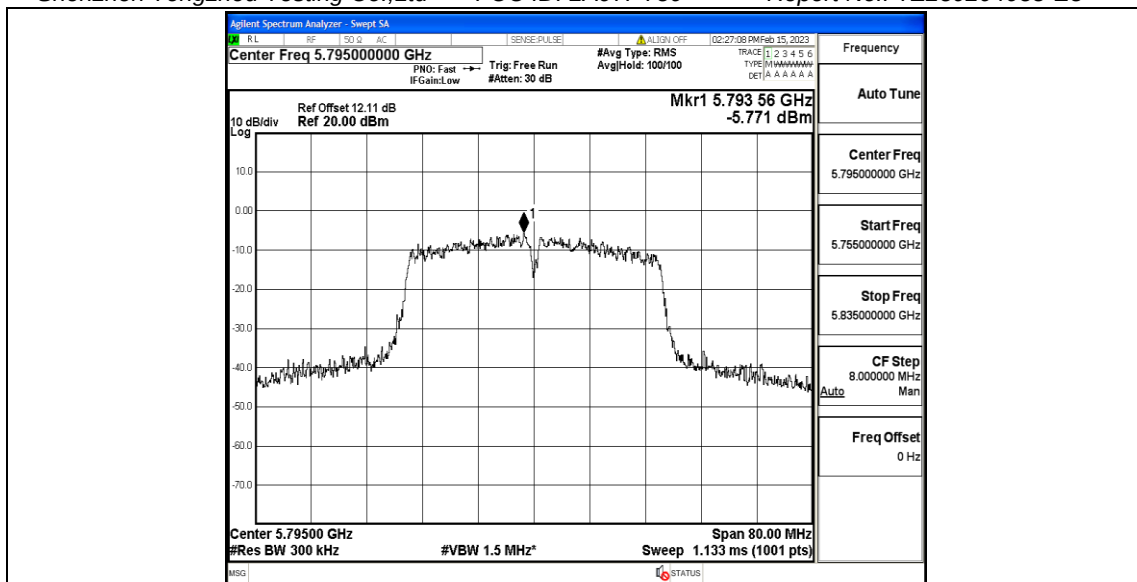
11AC20MIMO_Ant1_5825



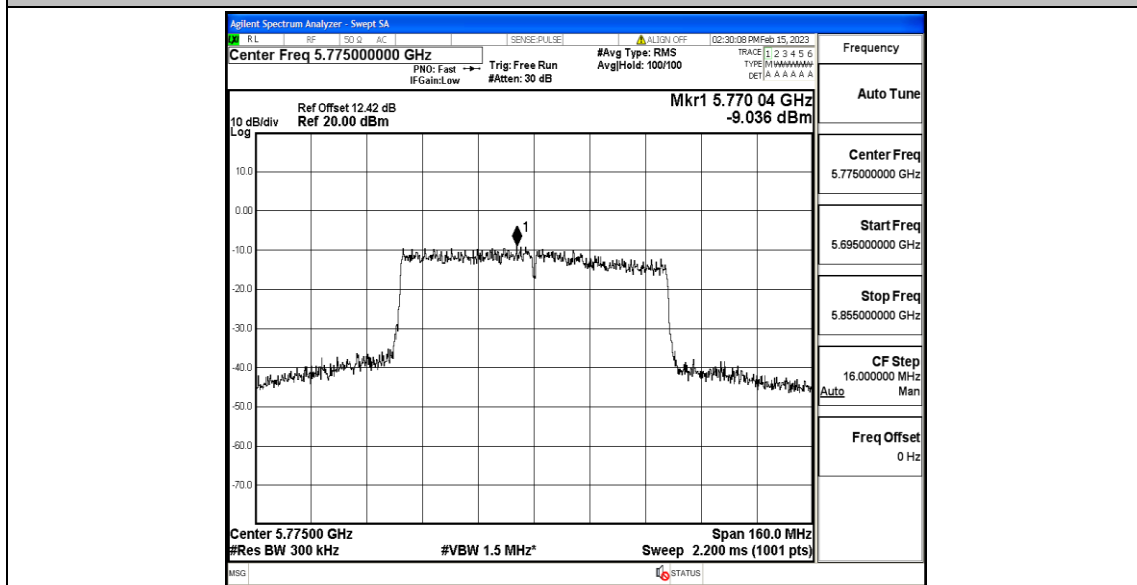
11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



11AC80MIMO_Ant1_5775



Appendix D: Band edge measurements

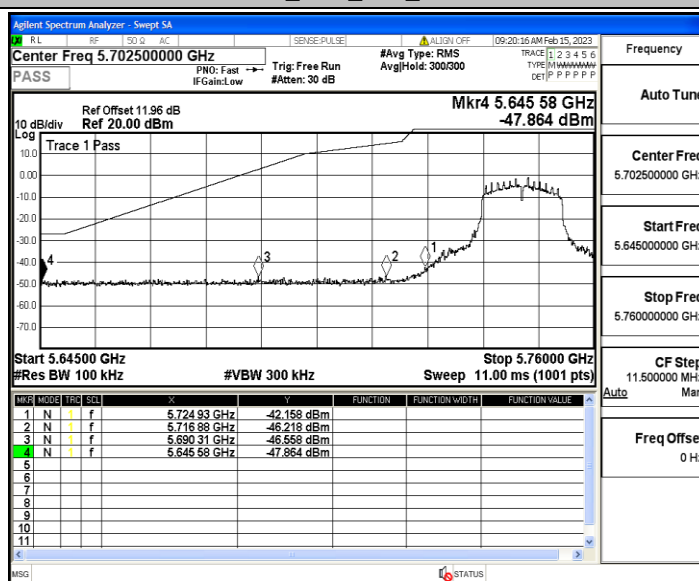
Test Result

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-46.56	≤2.83	PASS
				5700~5720	-46.22	≤14.73	PASS
				5720~5725	-42.16	≤26.83	PASS
				5760~5650	-47.86	≤-27	PASS
		High	5825	5850~5855	-46.63	≤21.33	PASS
				5855~5875	-46.45	≤10.25	PASS
				5875~5925	-45.21	≤-1.88	PASS
				5925~5935	-47.31	≤-27	PASS
11N20MI MO	Ant1	Low	5745	5650~5700	-46.98	≤4.45	PASS
				5700~5720	-46.17	≤15.50	PASS
				5720~5725	-40.77	≤26.83	PASS
				5760~5650	-48.77	≤-27	PASS
		High	5825	5850~5855	-46.14	≤23.18	PASS
				5855~5875	-46.83	≤10.97	PASS
				5875~5925	-46.53	≤-24.56	PASS
				5925~5935	-47.08	≤-27	PASS
11N40MI MO	Ant1	Low	5755	5650~5700	-46.49	≤9.76	PASS
				5700~5720	-37.19	≤15.50	PASS
				5720~5725	-34.55	≤21.28	PASS
				5780~5650	-47.89	≤-27	PASS
		High	5795	5850~5855	-46.98	≤25.81	PASS
				5855~5875	-46.34	≤11.29	PASS
				5875~5925	-46.56	≤1.04	PASS
				5925~5935	-47.18	≤-27	PASS
11AC20M IMO	Ant1	Low	5745	5650~5700	-46.73	≤-8.83	PASS
				5700~5720	-46.88	≤14.60	PASS
				5720~5725	-41.63	≤26.57	PASS
				5760~5650	-47.89	≤-27	PASS
		High	5825	5850~5855	-46.06	≤19.18	PASS
				5855~5875	-46.23	≤12.59	PASS
				5875~5925	-45.54	≤-10.67	PASS
				5925~5935	-46.99	≤-27	PASS
11AC40M IMO	Ant1	Low	5755	5650~5700	-46.96	≤-20.51	PASS
				5700~5720	-37.26	≤15.54	PASS
				5720~5725	-33.92	≤21.28	PASS
				5780~5650	-46.34	≤-27	PASS
		High	5795	5850~5855	-47.21	≤26.94	PASS
				5855~5875	-46.78	≤14.24	PASS
				5875~5925	-46.6	≤-7.63	PASS
				5925~5935	-46.99	≤-27	PASS

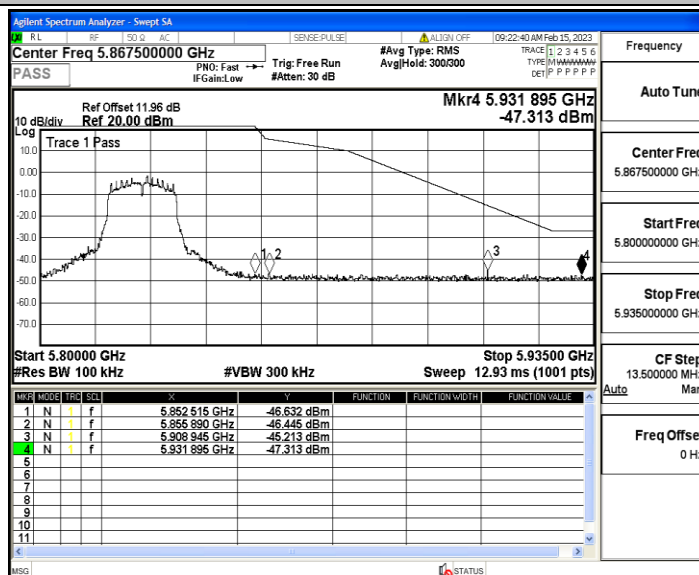
11AC80M IMO	Ant1	Low	5775	5650~5700	-43.54	≤2.56	PASS
				5700~5720	-39.74	≤15.26	PASS
				5720~5725	-39.21	≤26.60	PASS
				5800~5650	-47.96	≤-27	PASS
		High	5775	5850~5855	-45.51	≤24.23	PASS
				5855~5875	-46.22	≤10.13	PASS
				5875~5925	-46.23	≤-1.49	PASS
				5925~5935	-46.88	≤-27	PASS

Test Graphs

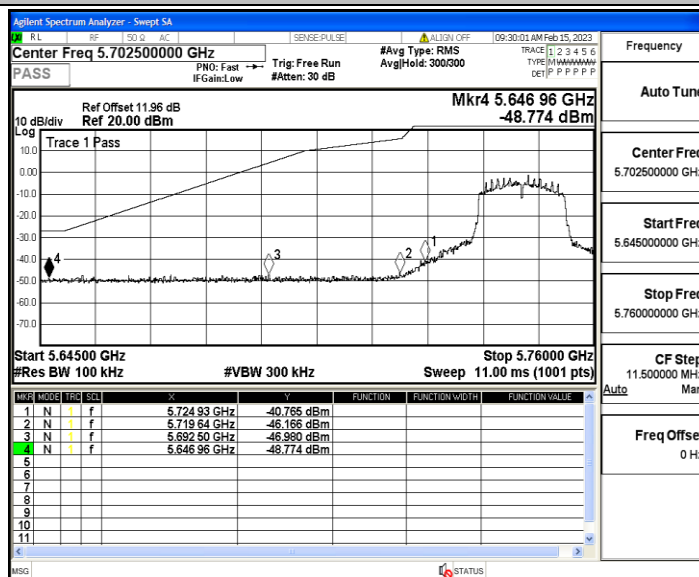
11A_Ant1_Low_5745



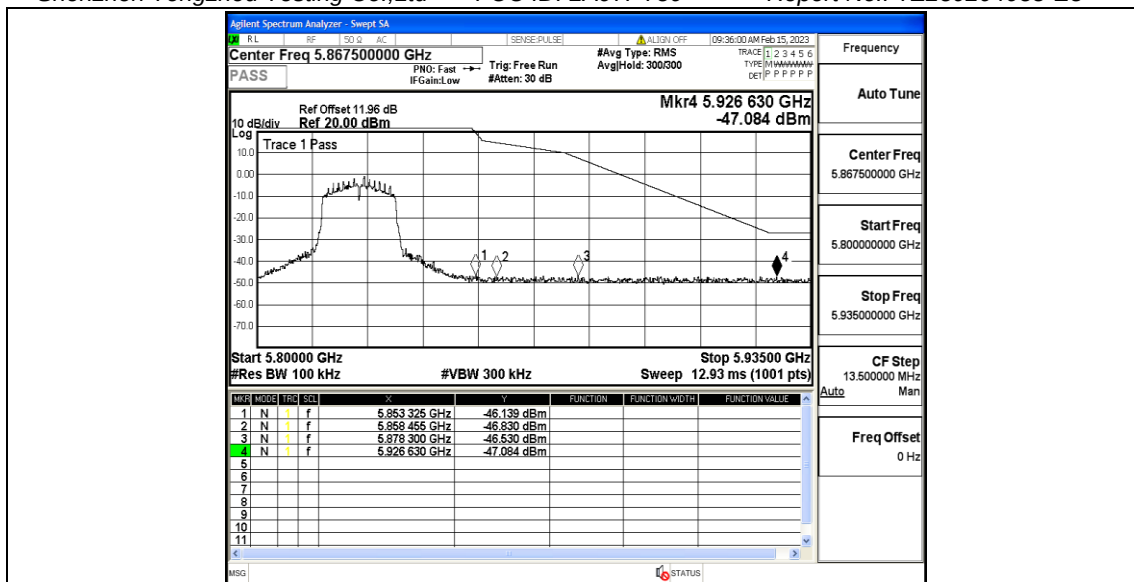
11A_Ant1_High_5825



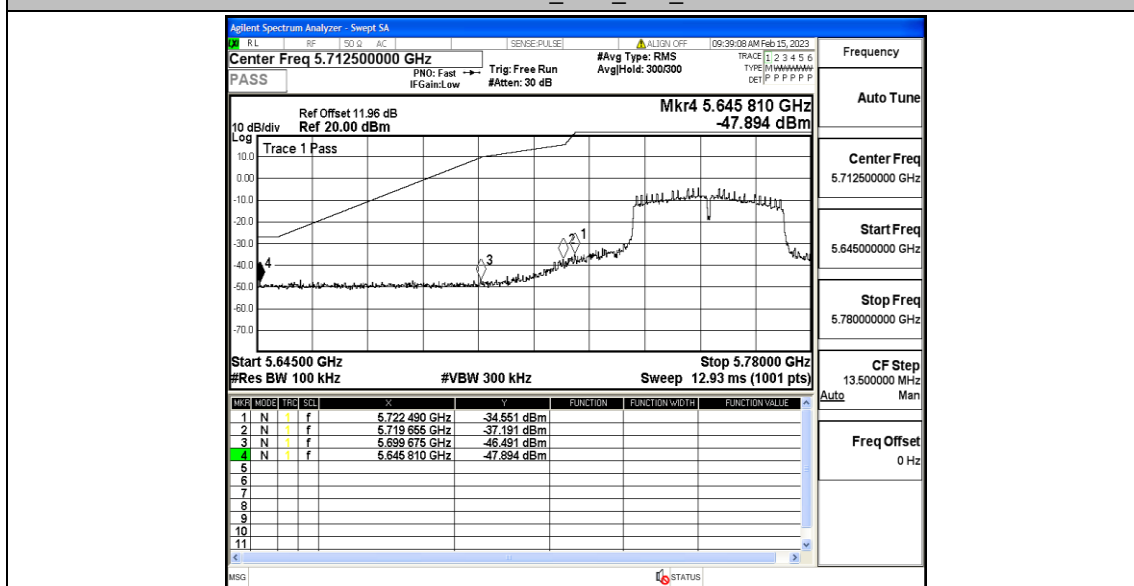
11N20MIMO_Ant1_Low_5745



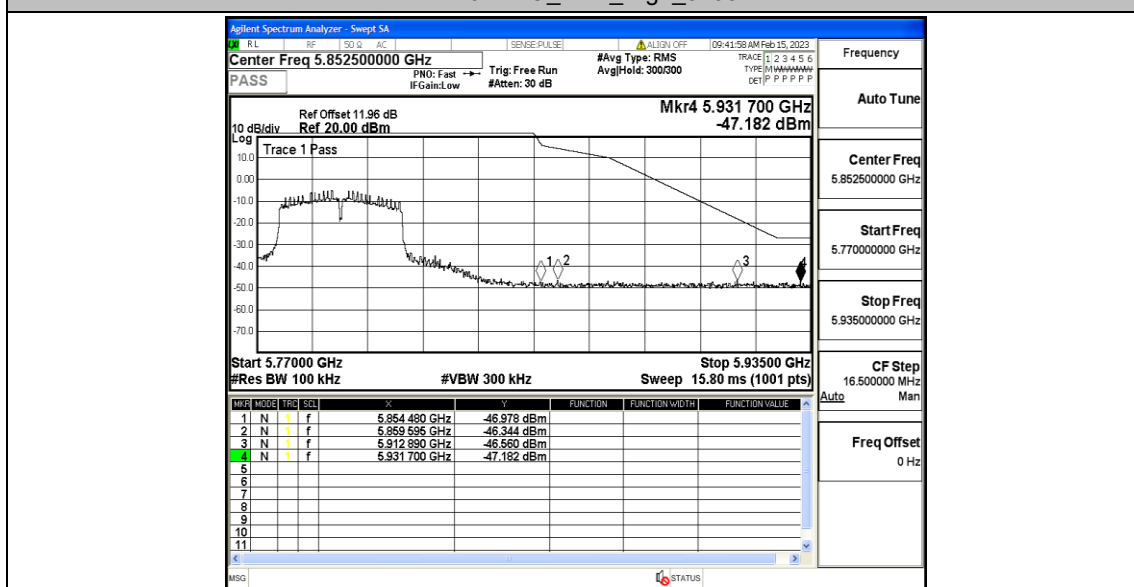
11N20MIMO_Ant1_High_5825



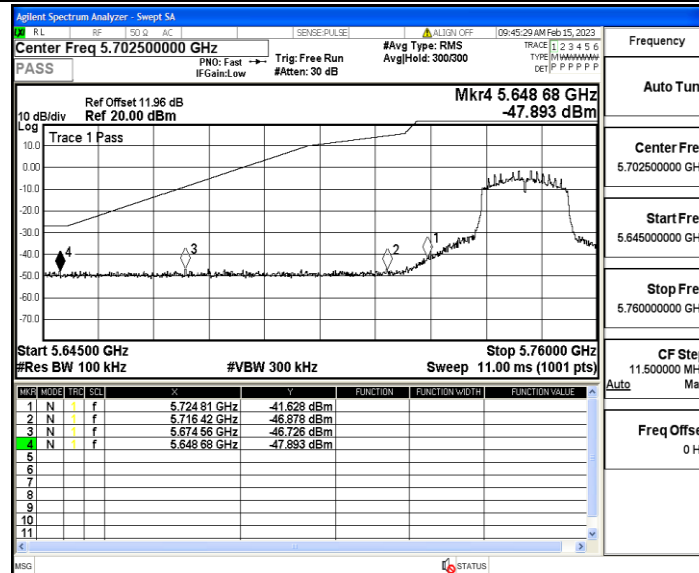
11N40MIMO_Ant1_Low_5755



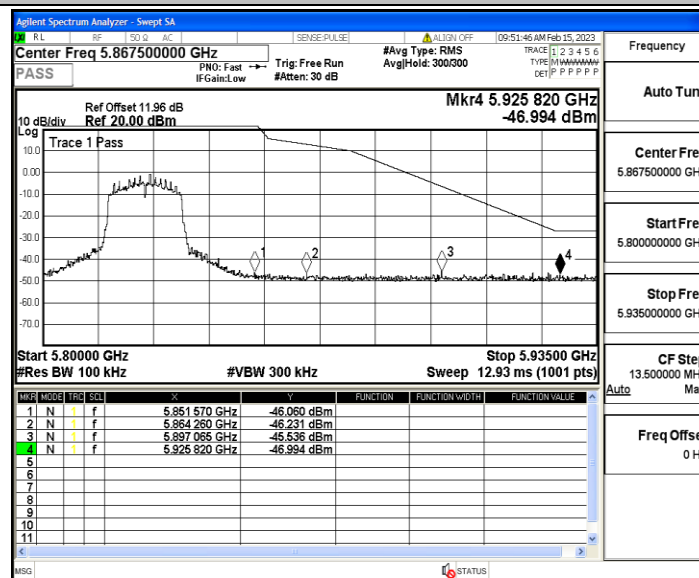
11N40MIMO_Ant1_High_5795



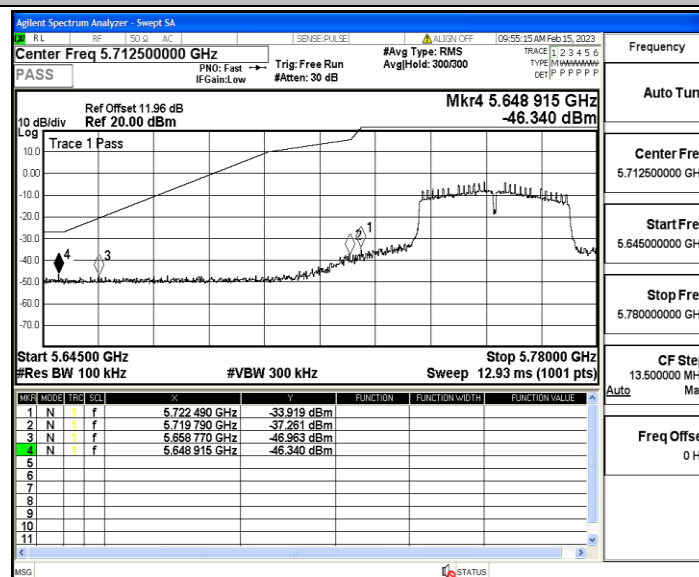
11AC20MIMO_Ant1_Low_5745



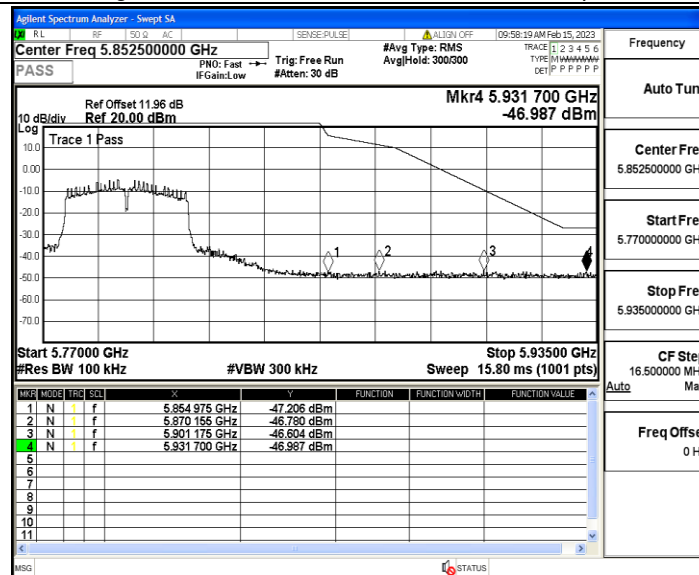
11AC20MIMO_Ant1_High_5825



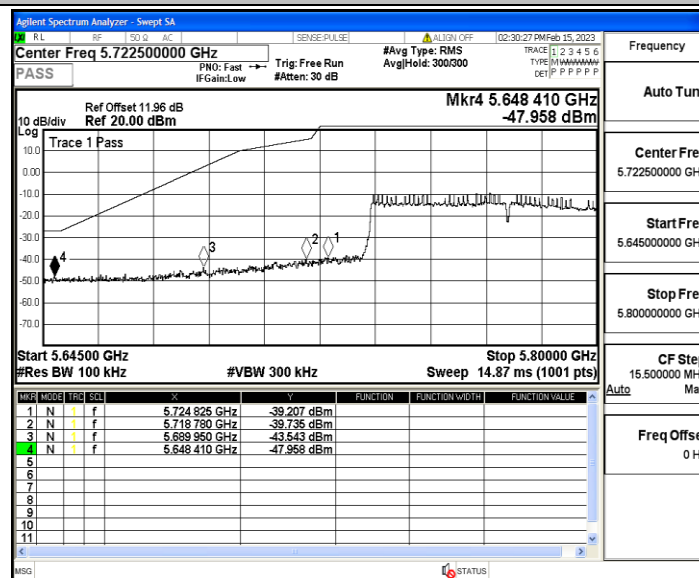
11AC40MIMO_Ant1_Low_5755



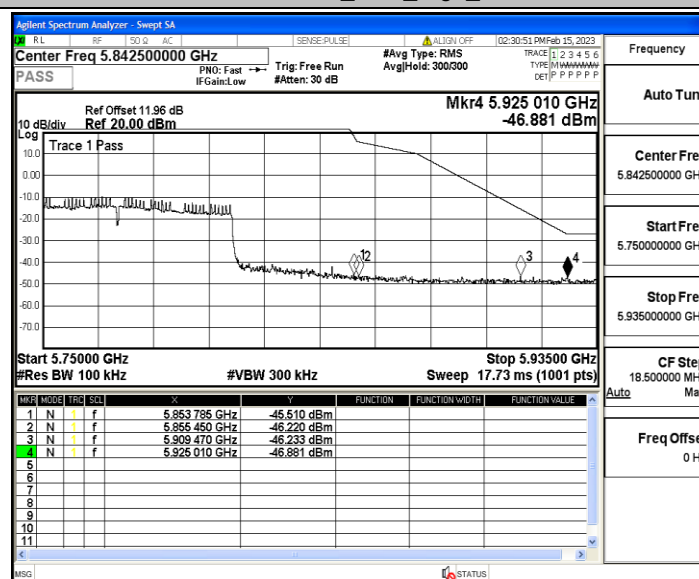
11AC40MIMO_Ant1_High_5795



11AC80MIMO_Ant1_Low_5775



11AC80MIMO_Ant1_High_5775



Appendix E: Frequency Stability

Test Result

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.982733	5745 – 5825	PASS
5745	20	108	5744.947055	5745 – 5825	PASS
5745	50	120	5745.055434	5745 – 5825	PASS
5745	40	120	5744.994179	5745 – 5825	PASS
5745	30	120	5745.013590	5745 – 5825	PASS
5745	20	120	5745.016630	5745 – 5825	PASS
5745	10	120	5744.931157	5745 – 5825	PASS
5745	0	120	5745.008943	5745 – 5825	PASS
5745	-10	120	5745.092834	5745 – 5825	PASS
5745	-20	120	5745.010029	5745 – 5825	PASS
5745	-30	120	5744.983387	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.044132	5745 – 5825	PASS
5785	20	108	5785.053956	5745 – 5825	PASS
5785	50	120	5785.041686	5745 – 5825	PASS
5785	40	120	5784.999664	5745 – 5825	PASS
5785	30	120	5785.016461	5745 – 5825	PASS
5785	20	120	5785.044287	5745 – 5825	PASS
5785	10	120	5784.909916	5745 – 5825	PASS
5785	0	120	5785.025879	5745 – 5825	PASS
5785	-10	120	5784.930903	5745 – 5825	PASS
5785	-20	120	5784.999153	5745 – 5825	PASS
5785	-30	120	5784.997770	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.994661	5745 – 5825	PASS
5825	20	108	5825.061960	5745 – 5825	PASS
5825	50	120	5824.973083	5745 – 5825	PASS
5825	40	120	5824.965190	5745 – 5825	PASS
5825	30	120	5824.980364	5745 – 5825	PASS
5825	20	120	5824.930110	5745 – 5825	PASS
5825	10	120	5825.036379	5745 – 5825	PASS
5825	0	120	5825.016854	5745 – 5825	PASS
5825	-10	120	5824.983007	5745 – 5825	PASS
5825	-20	120	5825.096230	5745 – 5825	PASS
5825	-30	120	5825.083929	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.089190	5745 – 5825	PASS
5755	20	108	5754.901224	5745 – 5825	PASS
5755	50	120	5754.917782	5745 – 5825	PASS
5755	40	120	5755.037771	5745 – 5825	PASS
5755	30	120	5755.034575	5745 – 5825	PASS
5755	20	120	5754.909505	5745 – 5825	PASS
5755	10	120	5754.959242	5745 – 5825	PASS
5755	0	120	5755.056078	5745 – 5825	PASS
5755	-10	120	5755.028756	5745 – 5825	PASS
5755	-20	120	5755.095436	5745 – 5825	PASS
5755	-30	120	5755.058698	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.912911	5745 – 5825	PASS
5795	20	108	5795.099194	5745 – 5825	PASS
5795	50	120	5794.966341	5745 – 5825	PASS
5795	40	120	5794.902348	5745 – 5825	PASS
5795	30	120	5794.965886	5745 – 5825	PASS
5795	20	120	5795.066661	5745 – 5825	PASS
5795	10	120	5795.065100	5745 – 5825	PASS
5795	0	120	5794.963791	5745 – 5825	PASS
5795	-10	120	5795.085510	5745 – 5825	PASS
5795	-20	120	5795.005014	5745 – 5825	PASS
5795	-30	120	5794.916656	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.049463	5745 – 5825	PASS
5775	20	108	5775.048322	5745 – 5825	PASS
5775	50	120	5774.938085	5745 – 5825	PASS
5775	40	120	5775.056576	5745 – 5825	PASS
5775	30	120	5775.059989	5745 – 5825	PASS
5775	20	120	5775.003530	5745 – 5825	PASS
5775	10	120	5774.997886	5745 – 5825	PASS
5775	0	120	5775.046920	5745 – 5825	PASS
5775	-10	120	5775.049407	5745 – 5825	PASS
5775	-20	120	5775.036638	5745 – 5825	PASS
5775	-30	120	5775.034215	5745 – 5825	PASS

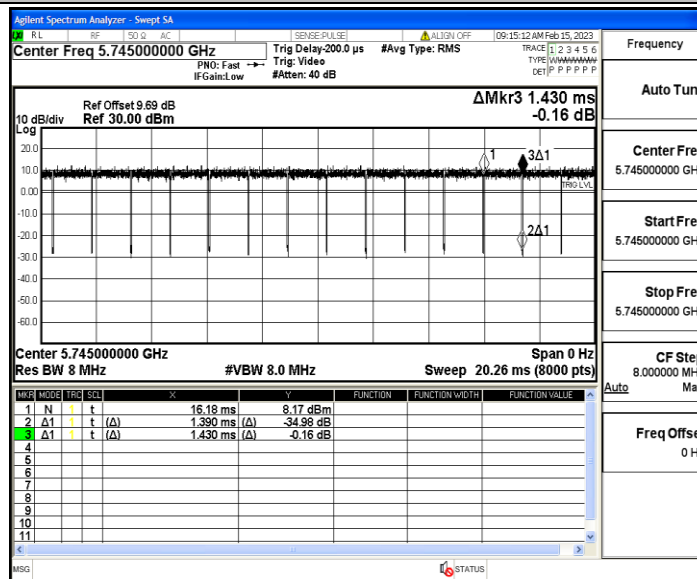
Appendix F: Duty Cycle

Test Result

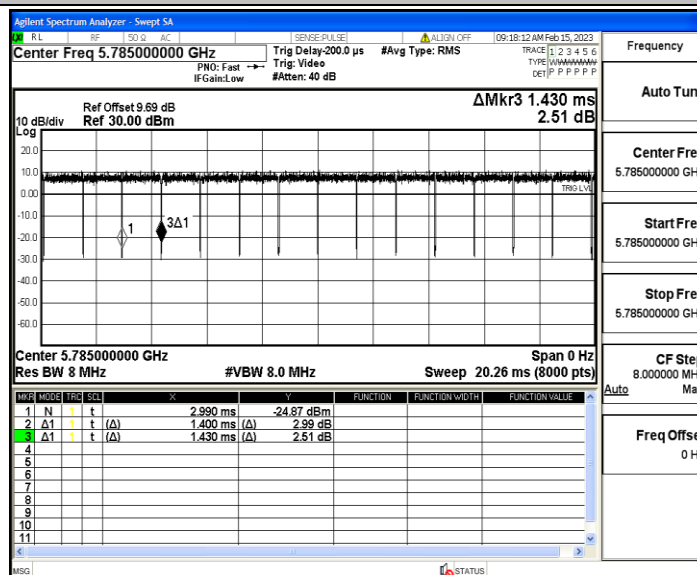
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5745	1.39	1.43	97.20	0.72
		5785	1.40	1.43	97.90	0.71
		5825	1.39	1.43	97.20	0.72
11N20MIMO	Ant1	5745	1.30	1.34	97.01	0.77
		5785	1.30	1.34	97.01	0.77
		5825	1.30	1.34	97.01	0.77
11N40MIMO	Ant1	5755	0.64	0.68	94.12	1.56
		5795	0.65	0.69	94.20	1.54
11AC20MIMO	Ant1	5745	1.31	1.35	97.04	0.76
		5785	1.31	1.35	97.04	0.76
		5825	1.31	1.35	97.04	0.76
11AC40MIMO	Ant1	5755	0.66	0.69	95.65	1.52
		5795	0.65	0.68	95.59	1.54
11AC80MIMO	Ant1	5775	0.32	0.36	88.89	3.13

Test Graphs

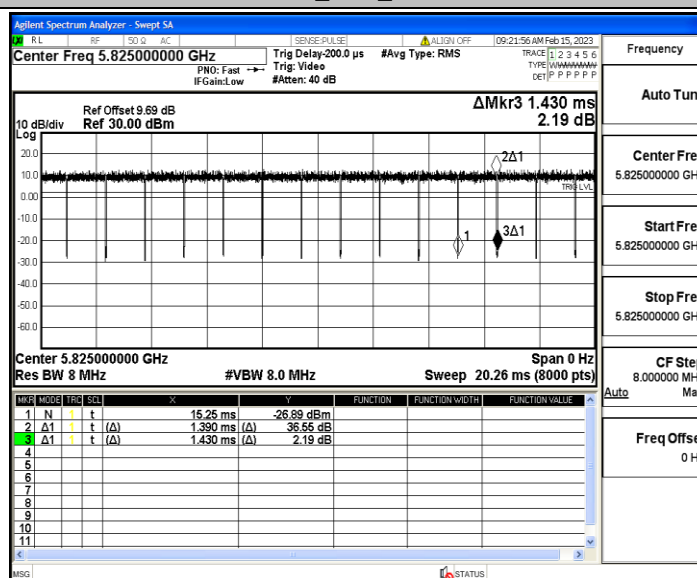
11A_Ant1_5745



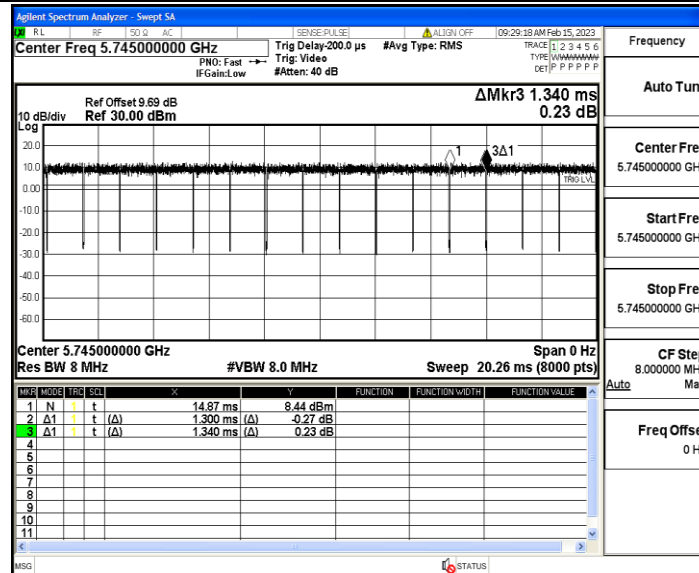
11A_Ant1_5785



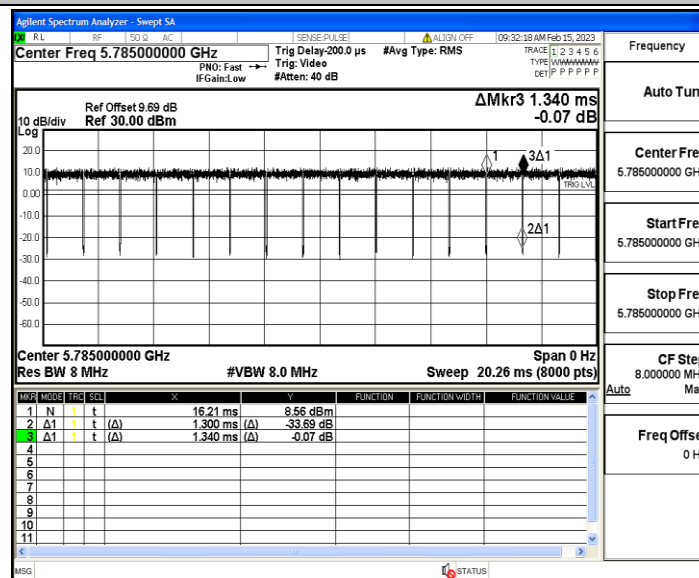
11A_Ant1_5825



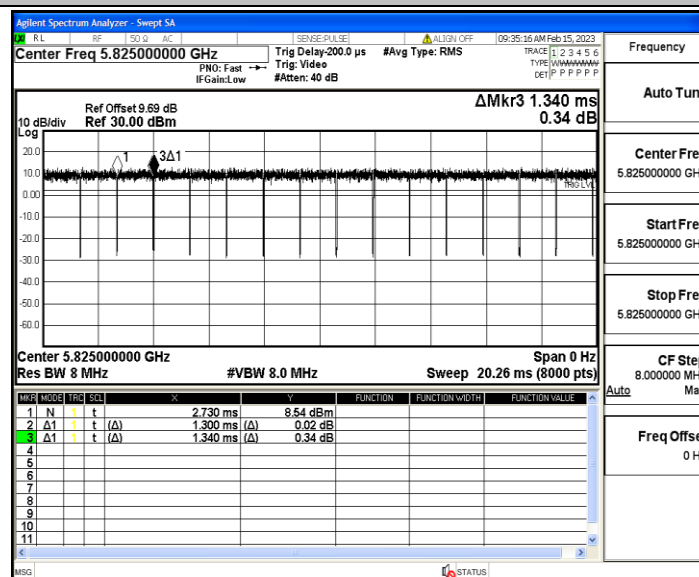
11N20MIMO_Ant1_5745



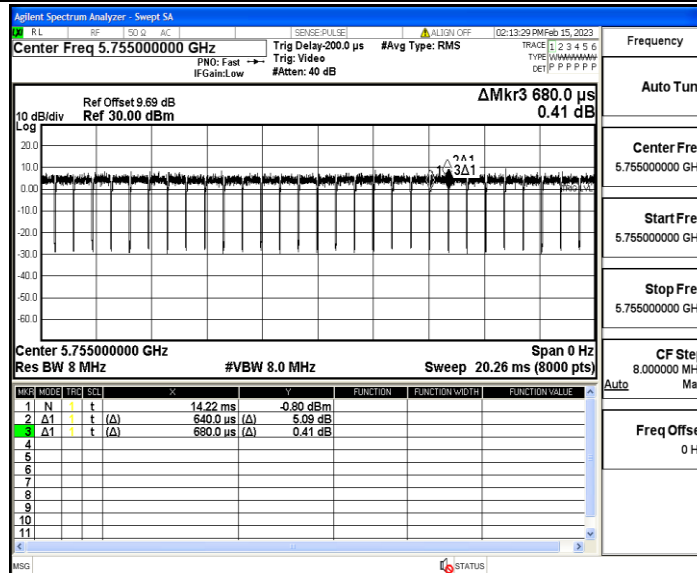
11N20MIMO_Ant1_5785



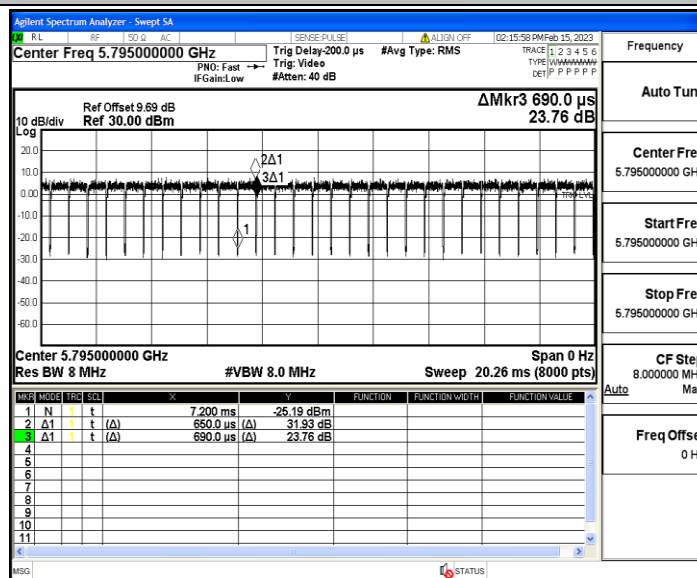
11N20MIMO_Ant1_5825



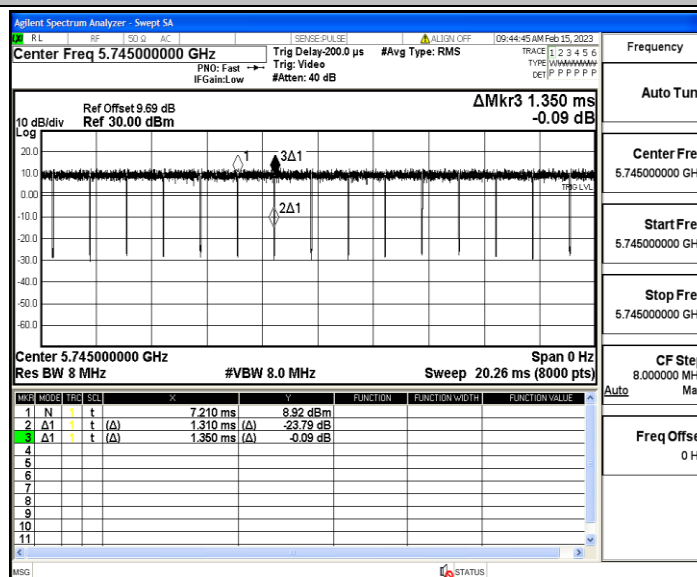
11N40MIMO_Ant1_5755



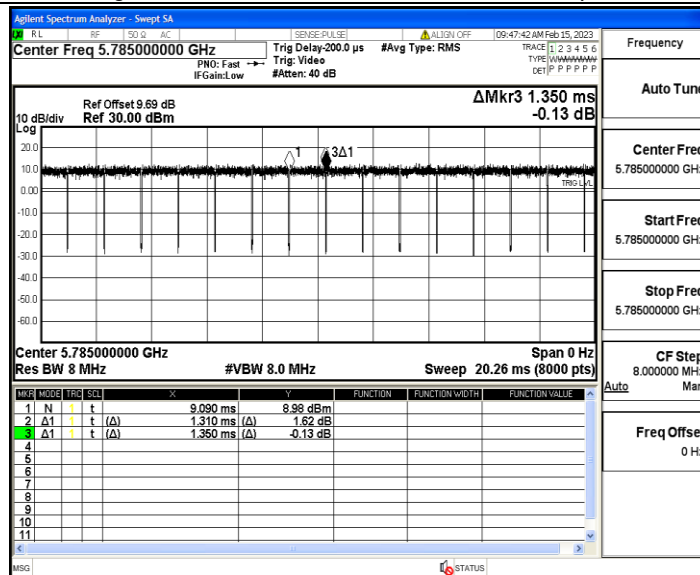
11N40MIMO_Ant1_5795



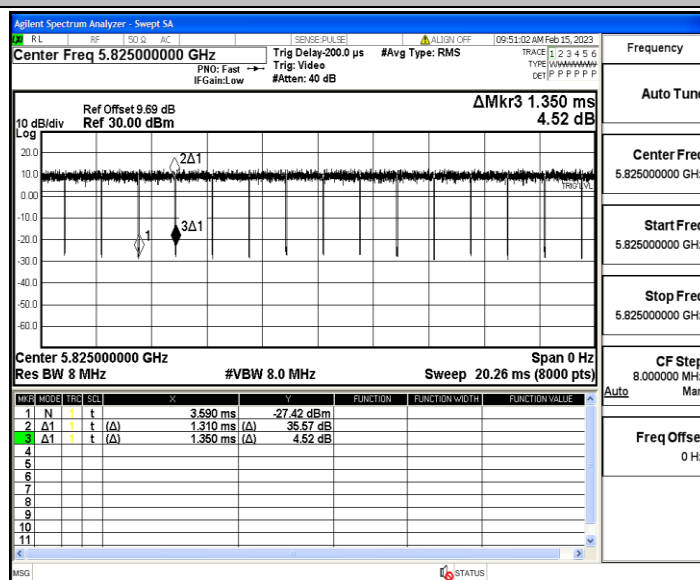
11AC20MIMO_Ant1_5745



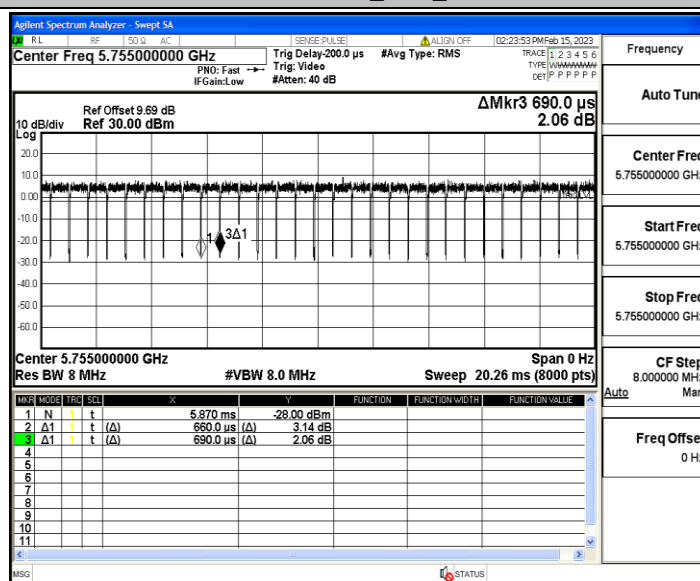
11AC20MIMO_Ant1_5785



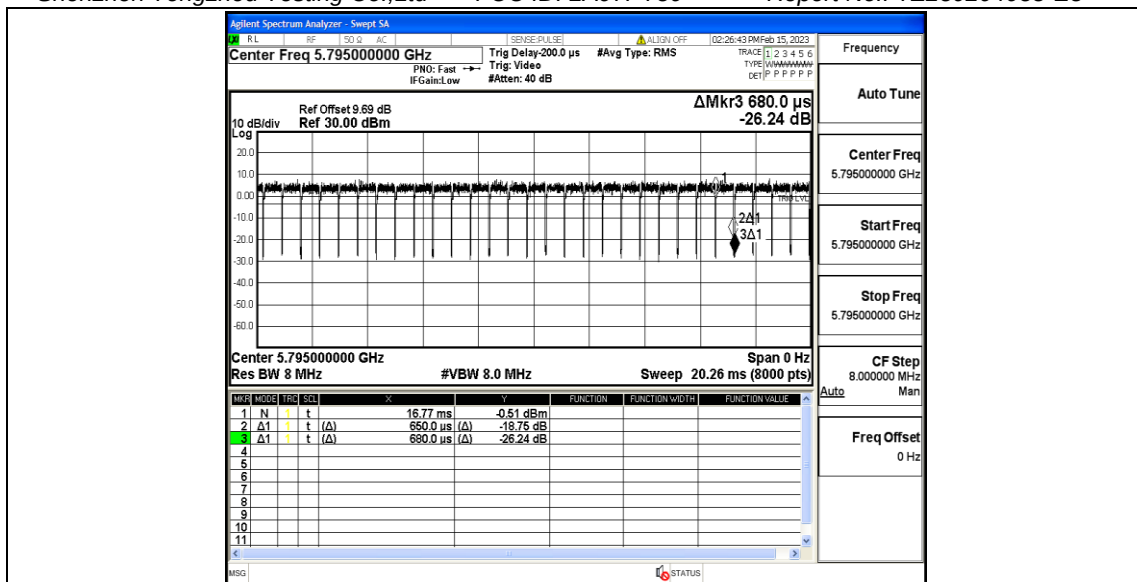
11AC20MIMO_Ant1_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



11AC80MIMO_Ant1_5775

