

RF Test Data for RLAN(5.8G) (Conducted Measurement)**Product Name: SMARTPHONE****Trade Mark: HERITAGE****Test Model: P60 PRO+****FCC ID: 2A6U5-M6908M6904****Environmental Conditions**

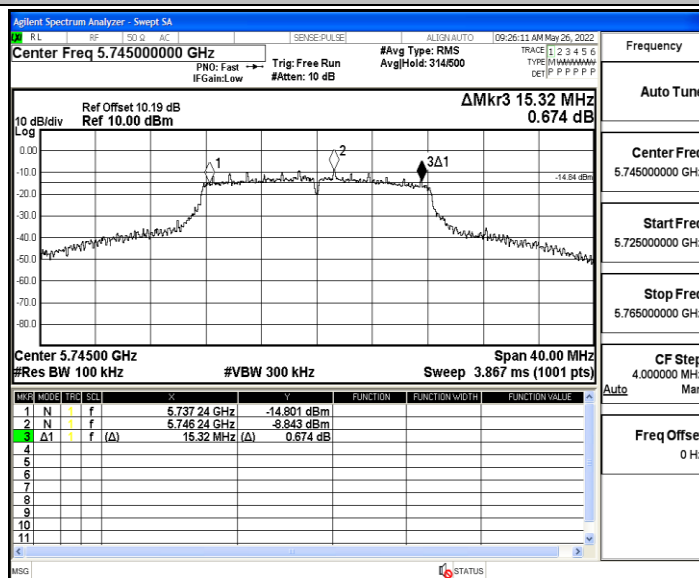
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: Min emission bandwidth**Test Result**

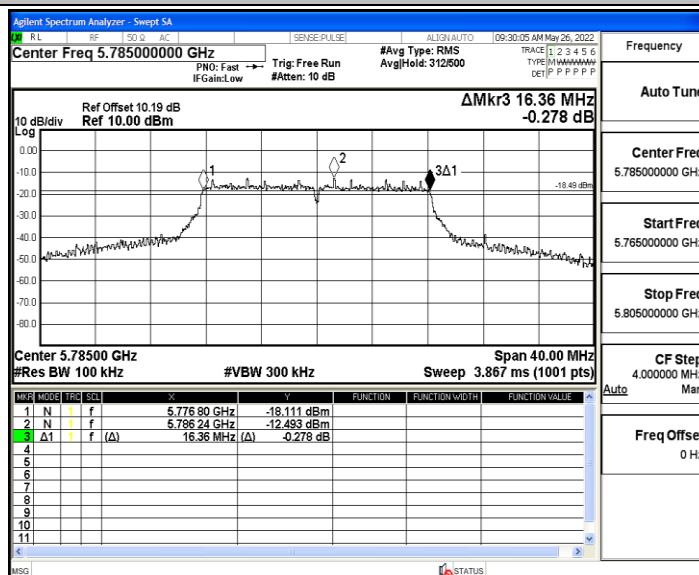
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.320	5737.240	5752.560	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20MIMO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40MIMO	Ant1	5755	35.680	5736.840	5772.520	0.5	PASS
		5795	35.680	5776.840	5812.520	0.5	PASS

Test Graphs

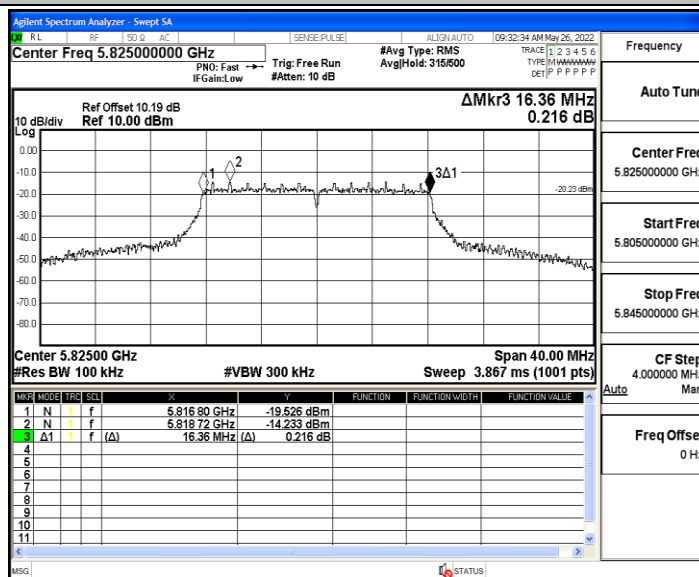
11A_Ant1_5745



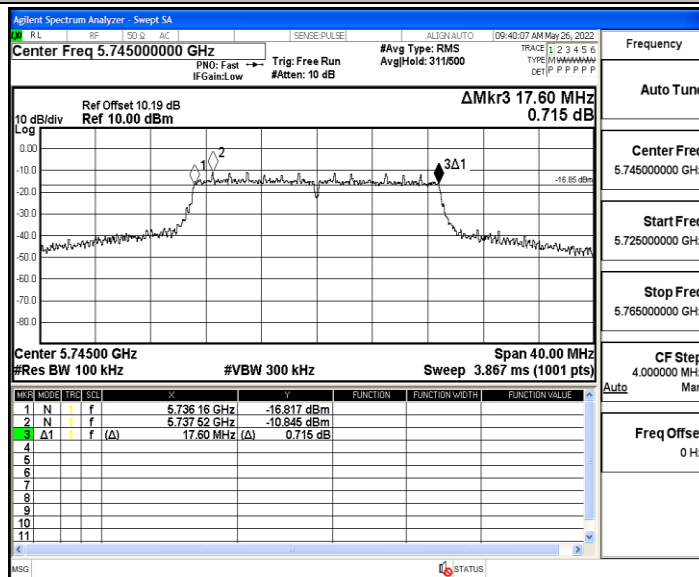
11A_Ant1_5785



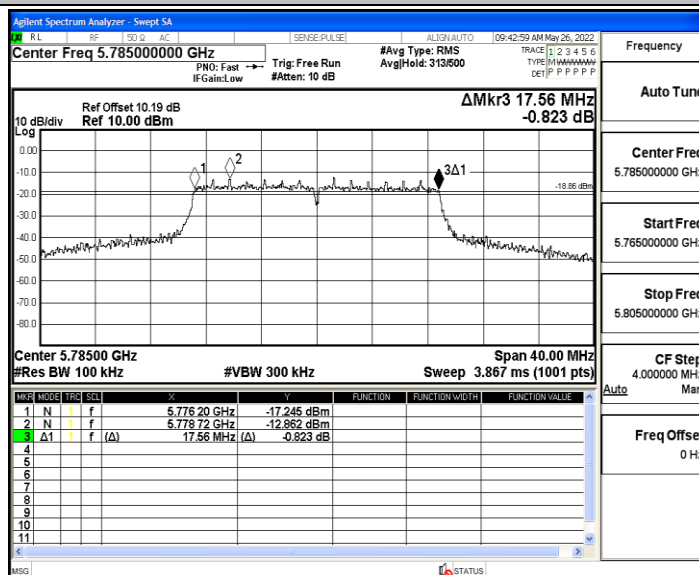
11A_Ant1_5825



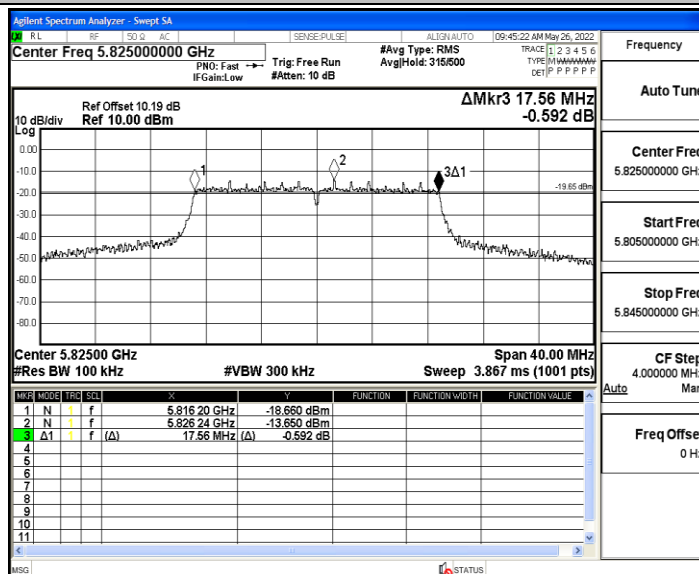
11N20MIMO_Ant1_5745



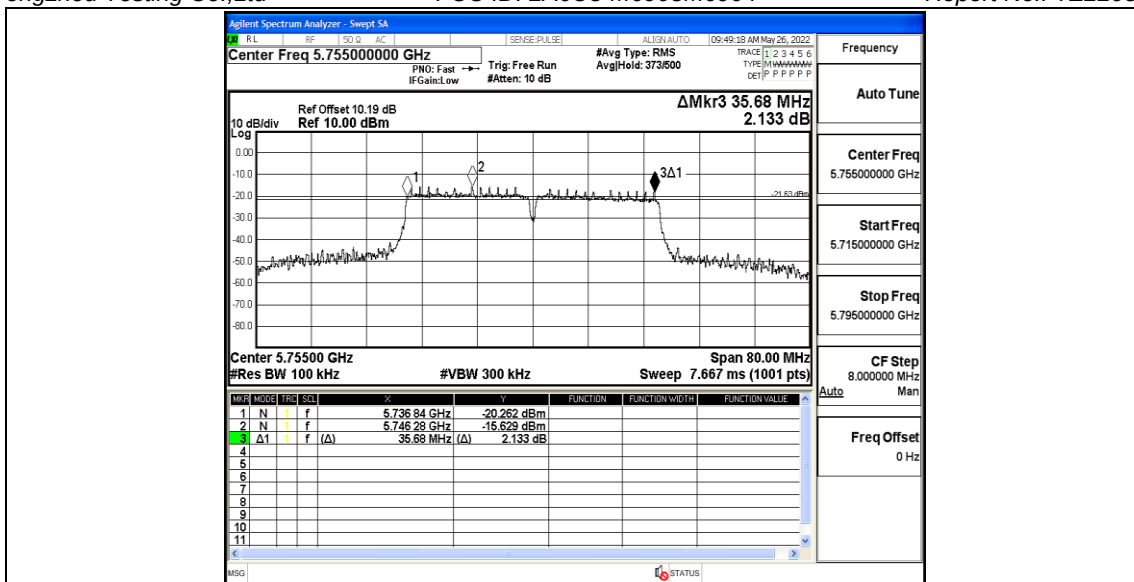
11N20MIMO_Ant1_5785



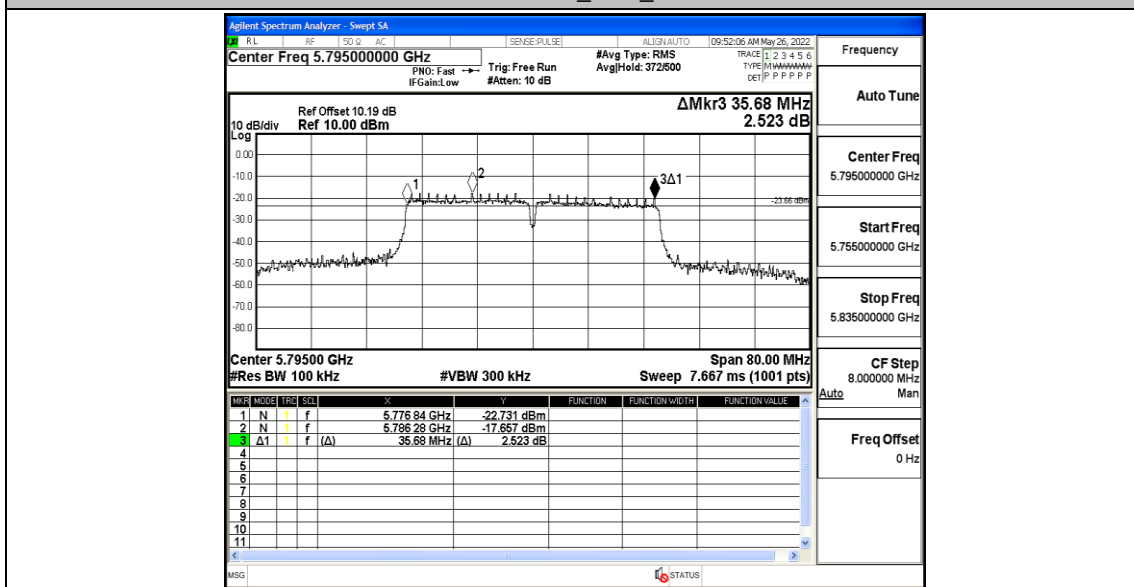
11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



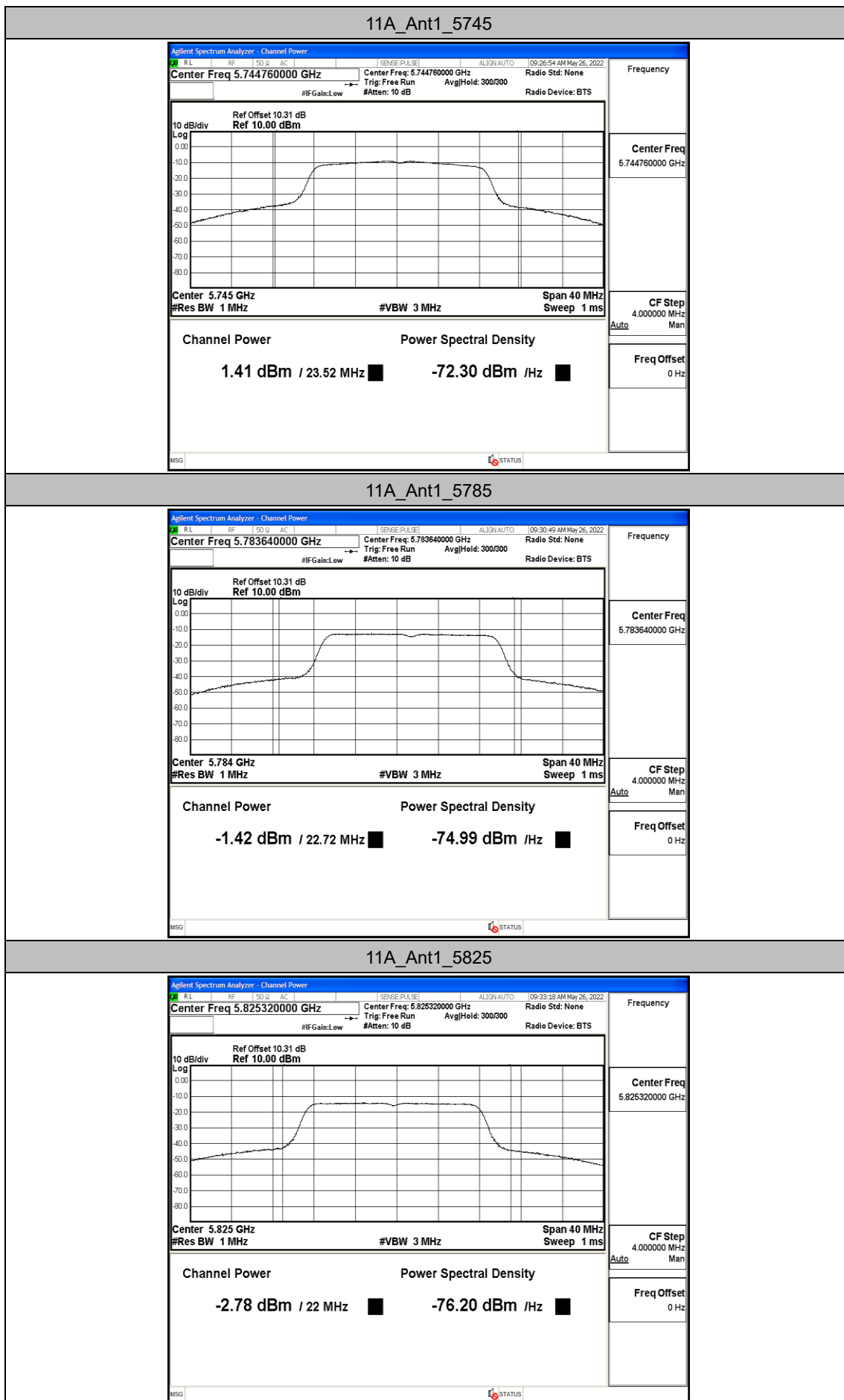
Appendix B: Maximum conducted output power

Test Result

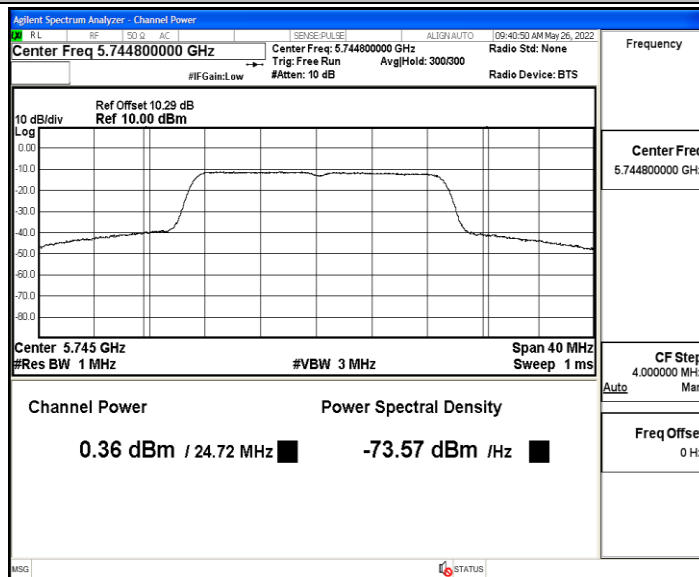
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	1.41	≤30.00	PASS
		5785	-1.43	≤30.00	PASS
		5825	-2.78	≤30.00	PASS
11N20MIMO	Ant1	5745	0.36	≤30.00	PASS
		5785	-1.55	≤30.00	PASS
		5825	-2.65	≤30.00	PASS
11N40MIMO	Ant1	5755	-1.76	≤30.00	PASS
		5795	-3.71	≤30.00	PASS

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

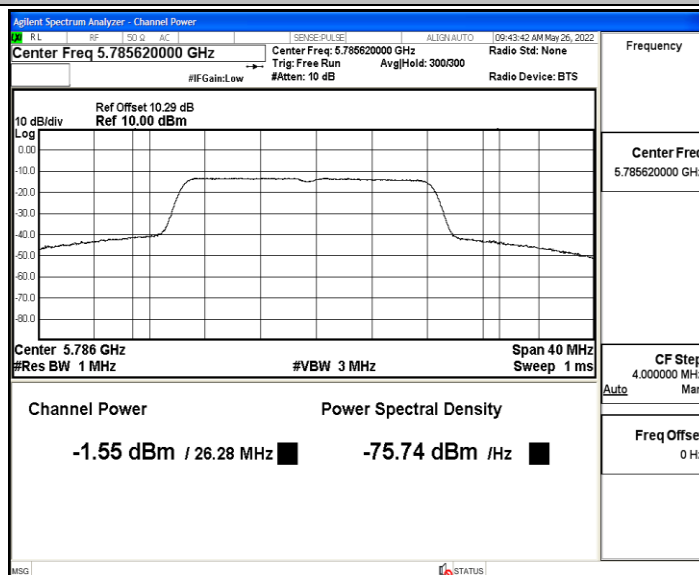
Test Graphs



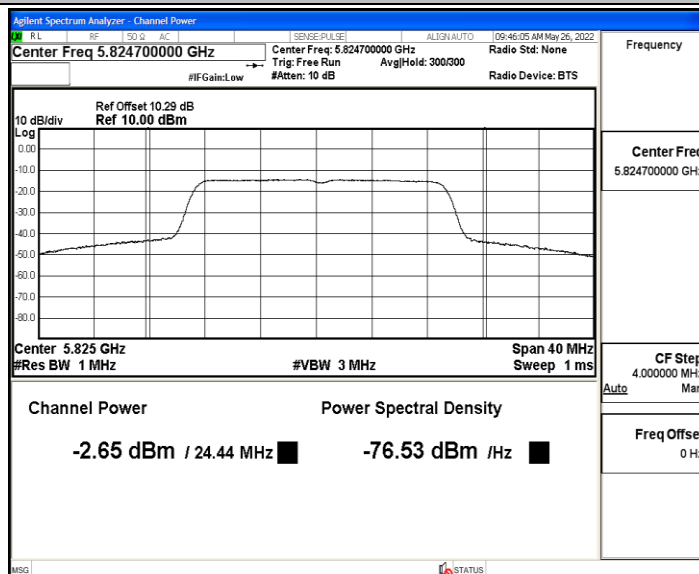
11N20MIMO_Ant1_5745



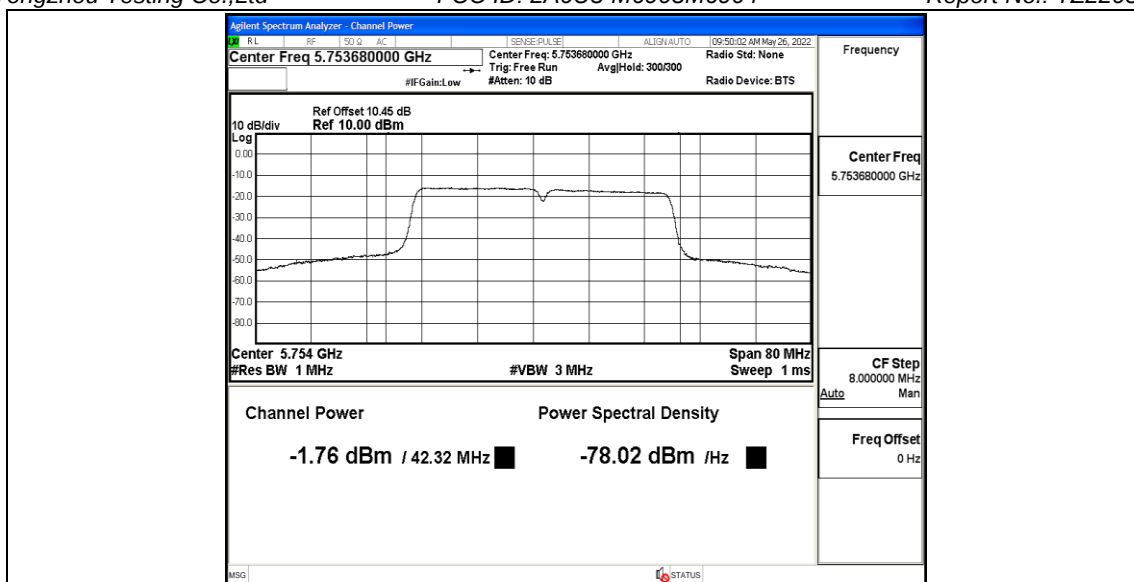
11N20MIMO_Ant1_5785



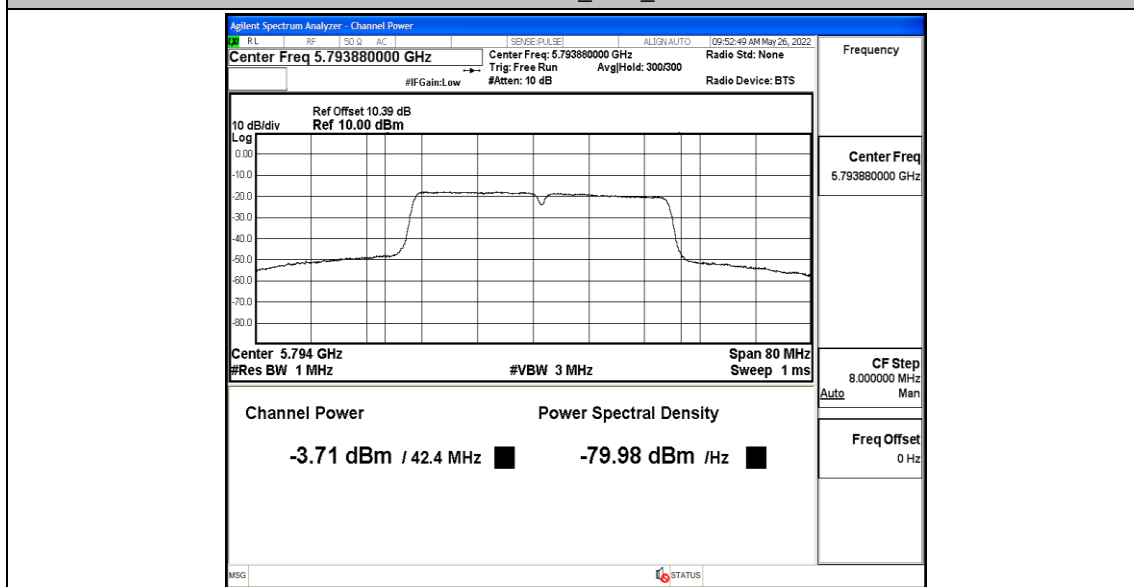
11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



Appendix C: Maximum power spectral density

Test Result

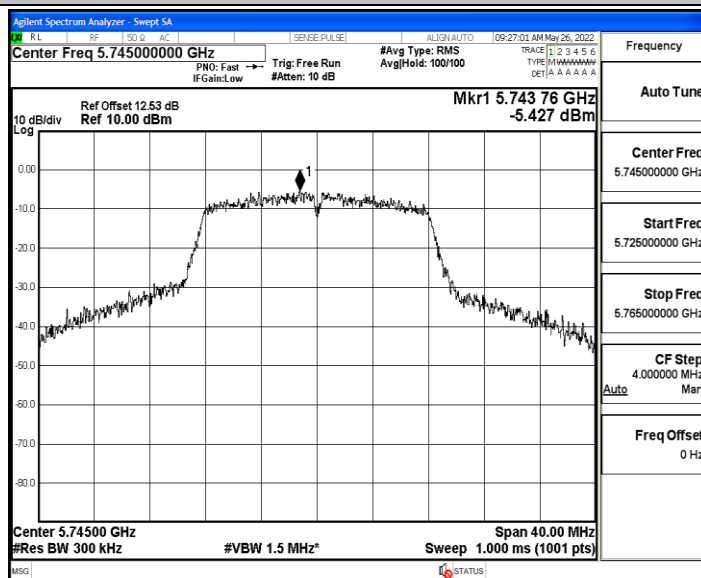
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-5.43	≤30.00	PASS
		5785	-8.72	≤30.00	PASS
		5825	-10.39	≤30.00	PASS
11N20MIMO	Ant1	5745	-7.37	≤30.00	PASS
		5785	-9.15	≤30.00	PASS
		5825	-10.53	≤30.00	PASS
11N40MIMO	Ant1	5755	-11.53	≤30.00	PASS
		5795	-13.49	≤30.00	PASS

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

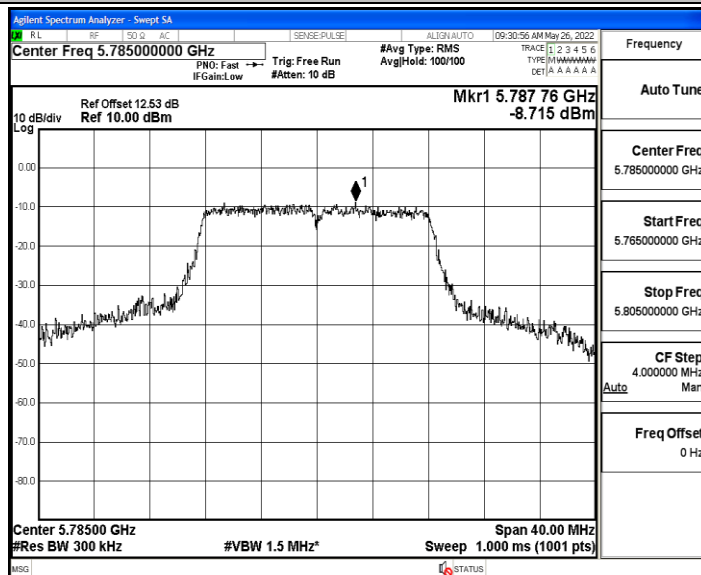
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

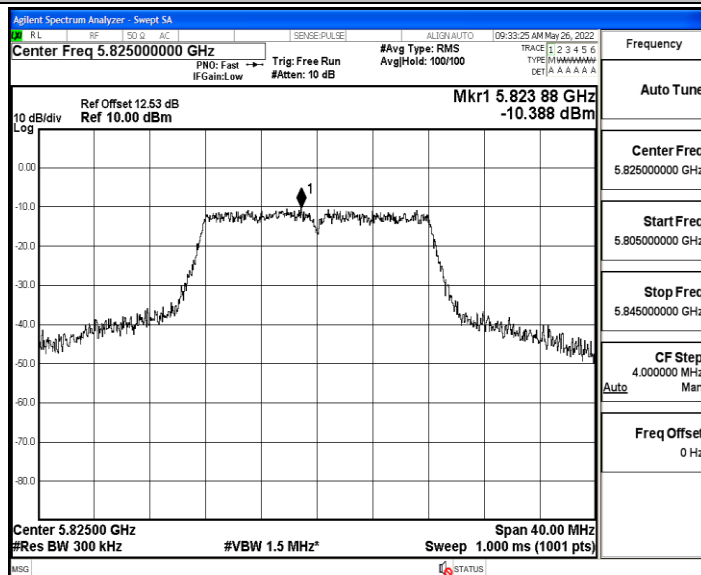
11A_Ant1_5745



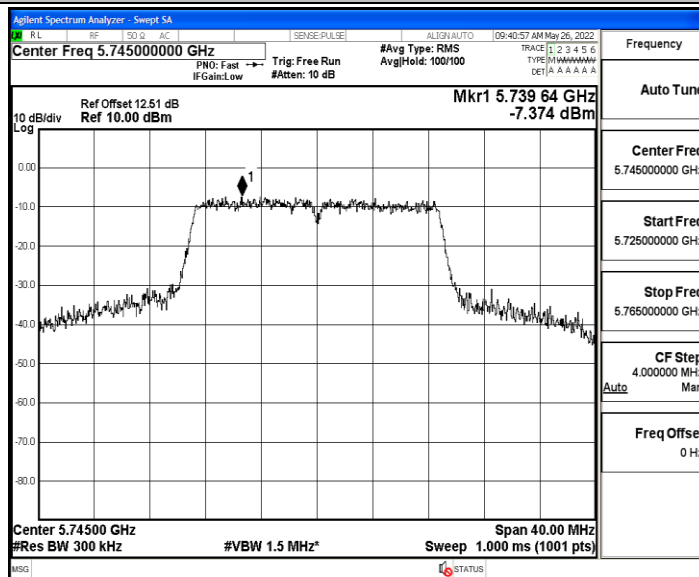
11A_Ant1_5785



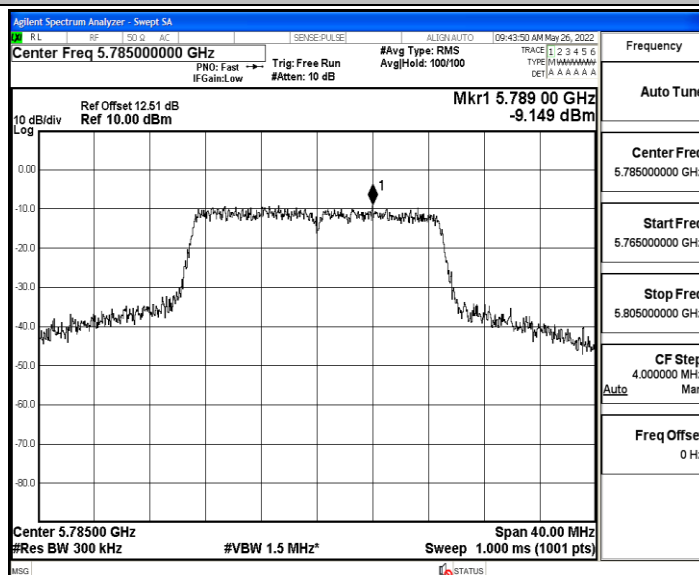
11A_Ant1_5825



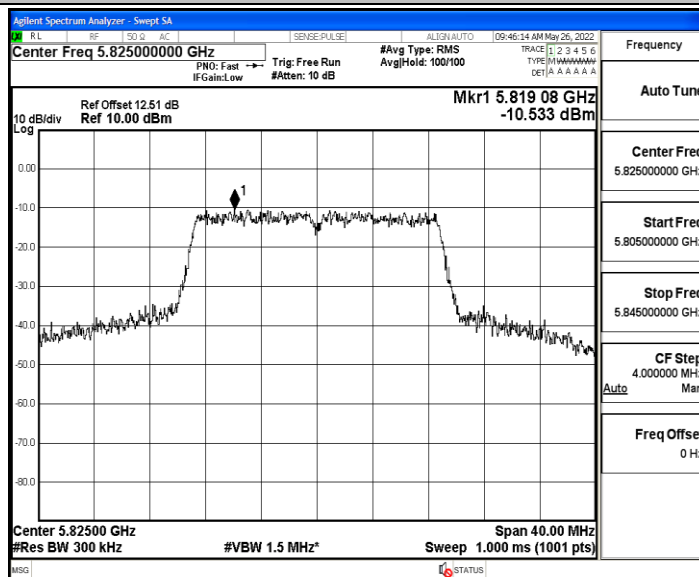
11N20MIMO_Ant1_5745



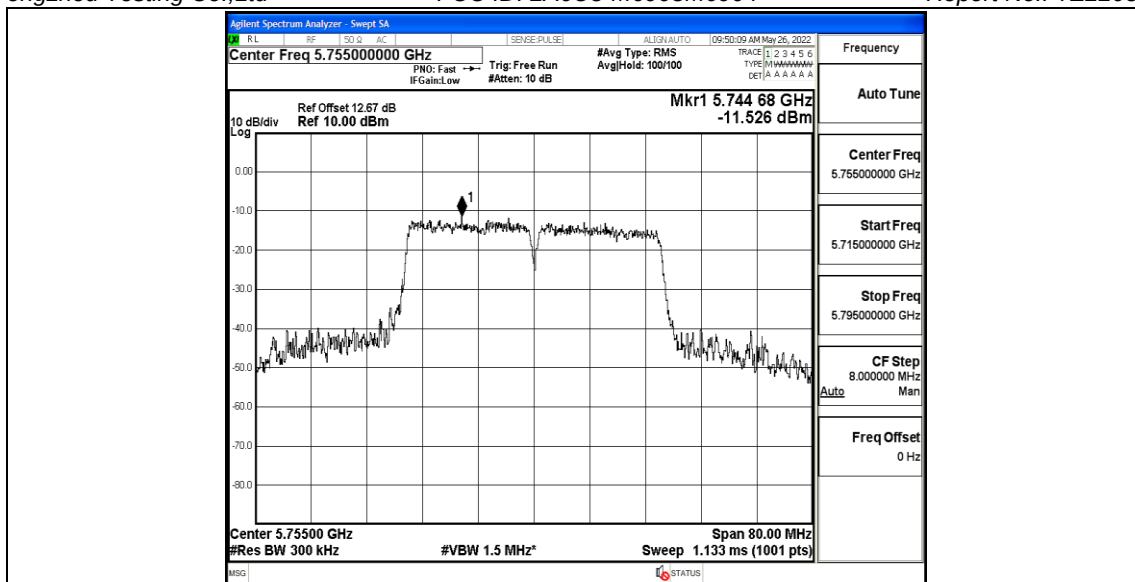
11N20MIMO_Ant1_5785



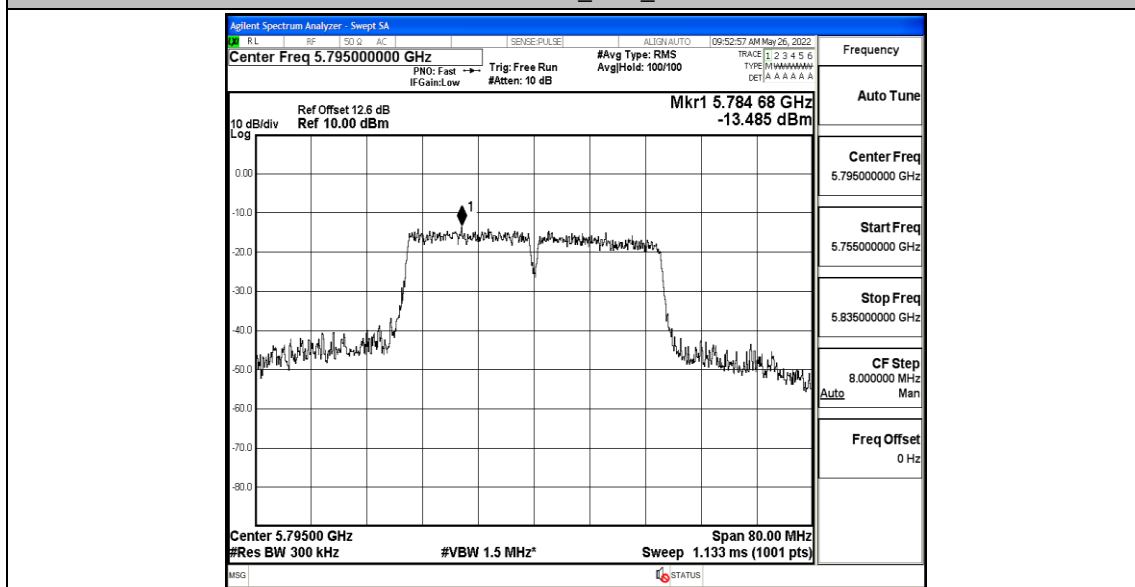
11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



Appendix D: Band edge measurements

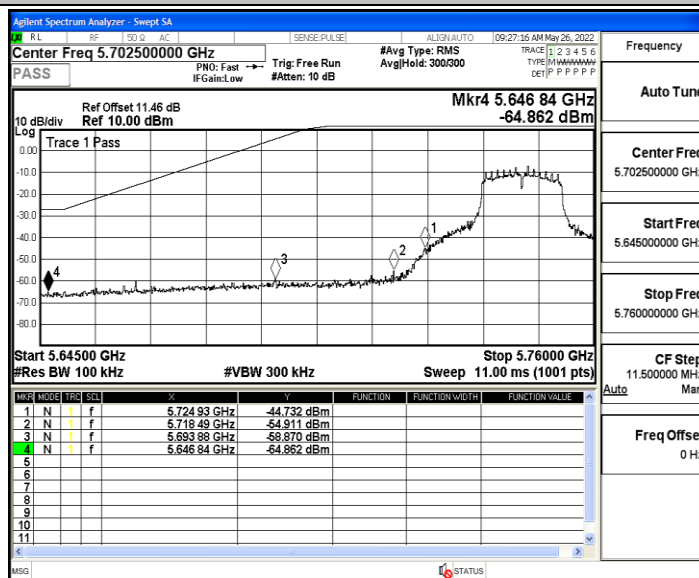
Test Result

TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
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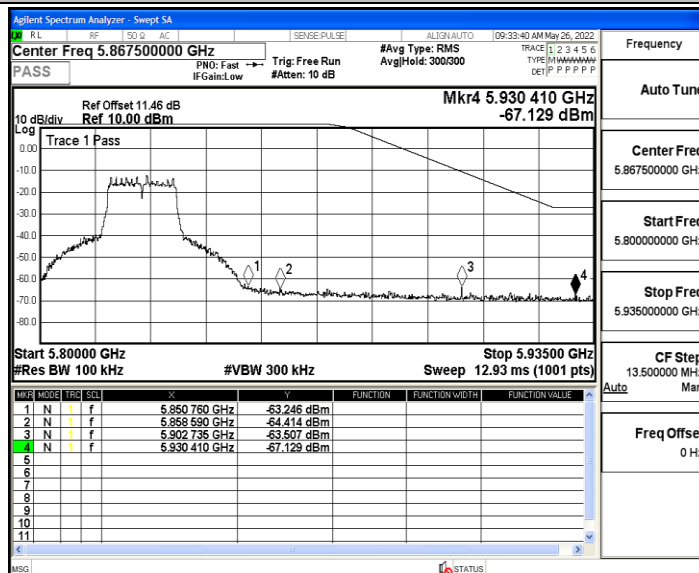
TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-58.87	≤5.47	PASS
				5700~5720	-54.91	≤15.18	PASS
				5720~5725	-44.73	≤26.83	PASS
				5760~5650	-64.86	≤-27	PASS
		High	5825	5850~5855	-63.25	≤17.33	PASS
				5855~5875	-64.41	≤11.01	PASS
				5875~5925	-63.51	≤-6.48	PASS
				5925~5935	-67.13	≤-27	PASS
11N20MI MO	Ant1	Low	5745	5650~5700	-61.19	≤7.34	PASS
				5700~5720	-55.13	≤15.50	PASS
				5720~5725	-44.09	≤26.83	PASS
				5760~5650	-65.06	≤-27	PASS
		High	5825	5850~5855	-59.38	≤15.79	PASS
				5855~5875	-64.42	≤10.17	PASS
				5875~5925	-65.86	≤-25.16	PASS
				5925~5935	-66.98	≤-27	PASS
11N40MI MO	Ant1	Low	5755	5650~5700	-61	≤9.96	PASS
				5700~5720	-46.73	≤15.47	PASS
				5720~5725	-43.66	≤26.20	PASS
				5780~5650	-67.17	≤-27	PASS
		High	5795	5850~5855	-65.74	≤21.68	PASS
				5855~5875	-65.69	≤11.61	PASS
				5875~5925	-66.26	≤-26.80	PASS
				5925~5935	-68.18	≤-27	PASS

Test Graphs

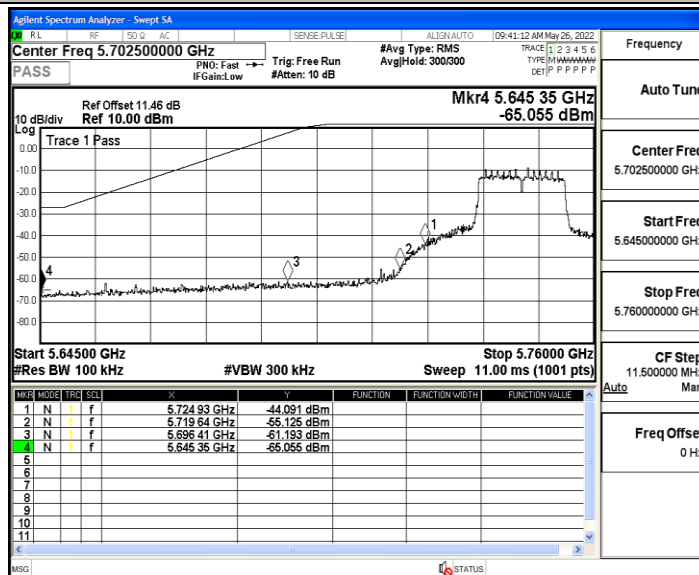
11A_Ant1_Low_5745



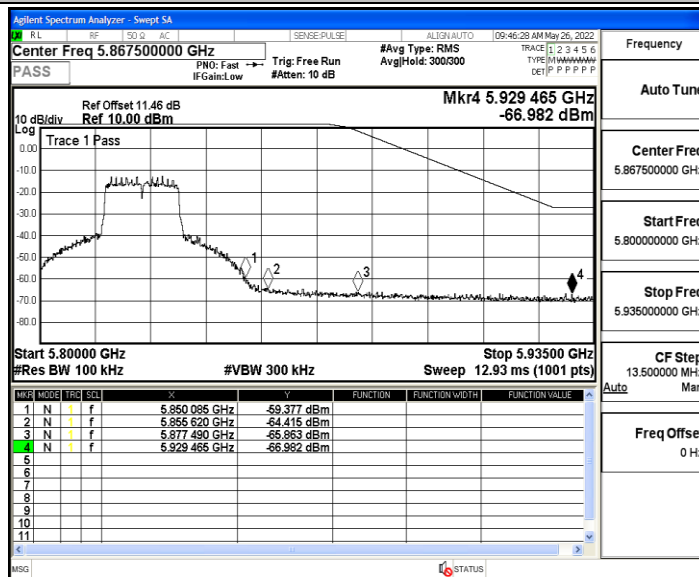
11A_Ant1_High_5825



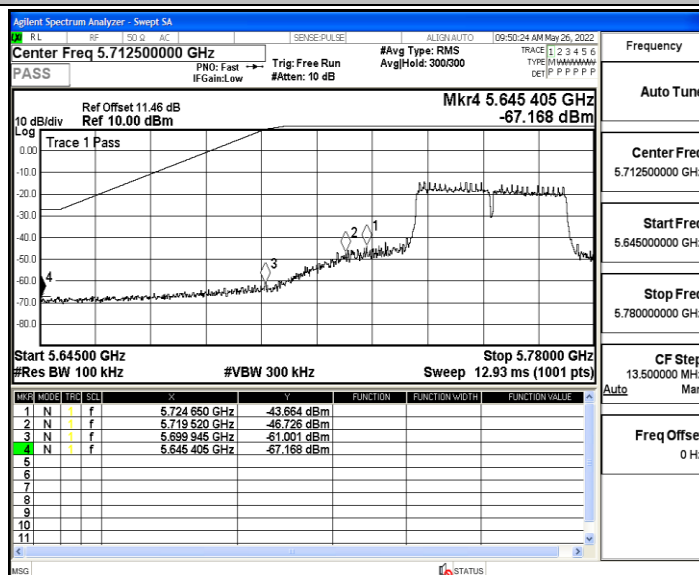
11N20MIMO_Ant1_Low_5745



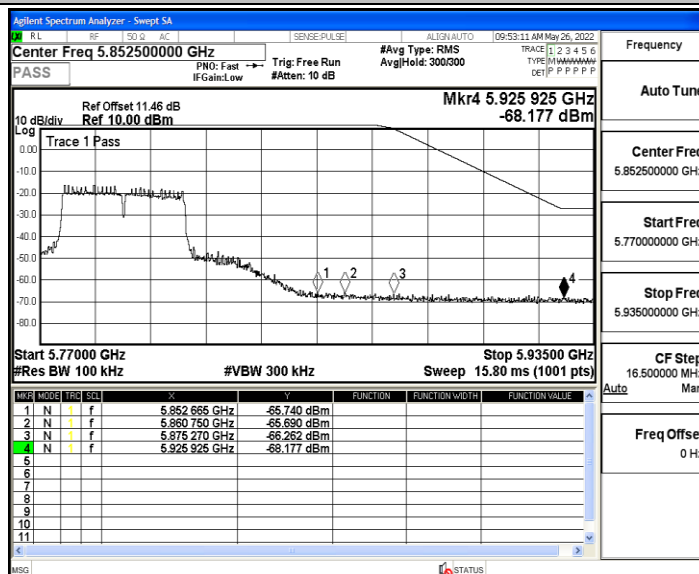
11N20MIMO_Ant1_High_5825



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	4.2	5744.900978	5745 – 5825	PASS
5745	20	3.5	5745.041039	5745 – 5825	PASS
5745	50	3.7	5744.933548	5745 – 5825	PASS
5745	40	3.7	5745.050945	5745 – 5825	PASS
5745	30	3.7	5745.009926	5745 – 5825	PASS
5745	20	3.7	5744.907202	5745 – 5825	PASS
5745	10	3.7	5745.076732	5745 – 5825	PASS
5745	0	3.7	5745.084333	5745 – 5825	PASS
5745	-10	3.7	5744.903159	5745 – 5825	PASS
5745	-20	3.7	5745.033055	5745 – 5825	PASS
5745	-30	3.7	5745.059729	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	4.2	5784.918658	5745 – 5825	PASS
5785	20	3.5	5784.976167	5745 – 5825	PASS
5785	50	3.7	5785.027551	5745 – 5825	PASS
5785	40	3.7	5784.962090	5745 – 5825	PASS
5785	30	3.7	5784.990629	5745 – 5825	PASS
5785	20	3.7	5784.998354	5745 – 5825	PASS
5785	10	3.7	5785.012681	5745 – 5825	PASS
5785	0	3.7	5785.059765	5745 – 5825	PASS
5785	-10	3.7	5784.912339	5745 – 5825	PASS
5785	-20	3.7	5785.074352	5745 – 5825	PASS
5785	-30	3.7	5784.912952	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	4.2	5824.902968	5745 – 5825	PASS
5825	20	3.5	5824.910994	5745 – 5825	PASS
5825	50	3.7	5824.955446	5745 – 5825	PASS
5825	40	3.7	5824.950636	5745 – 5825	PASS
5825	30	3.7	5824.982370	5745 – 5825	PASS
5825	20	3.7	5825.085909	5745 – 5825	PASS
5825	10	3.7	5824.906989	5745 – 5825	PASS
5825	0	3.7	5825.008848	5745 – 5825	PASS
5825	-10	3.7	5824.975844	5745 – 5825	PASS
5825	-20	3.7	5824.953194	5745 – 5825	PASS
5825	-30	3.7	5825.032182	5745 – 5825	PASS

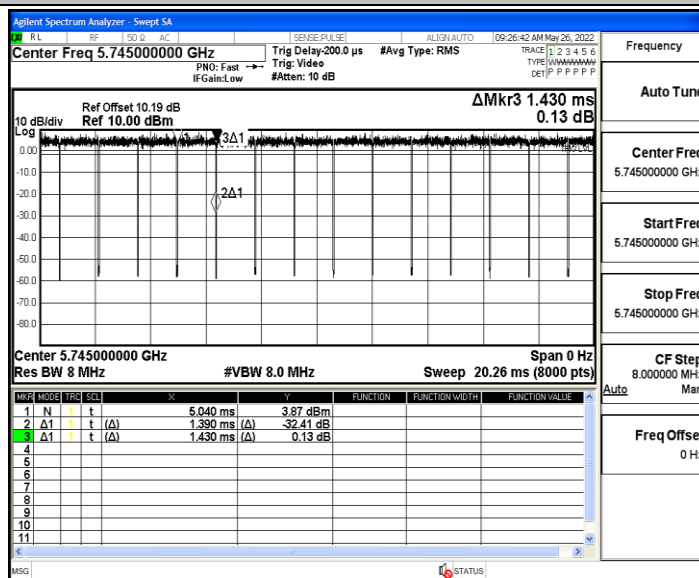
Appendix F: Duty Cycle

Test Result

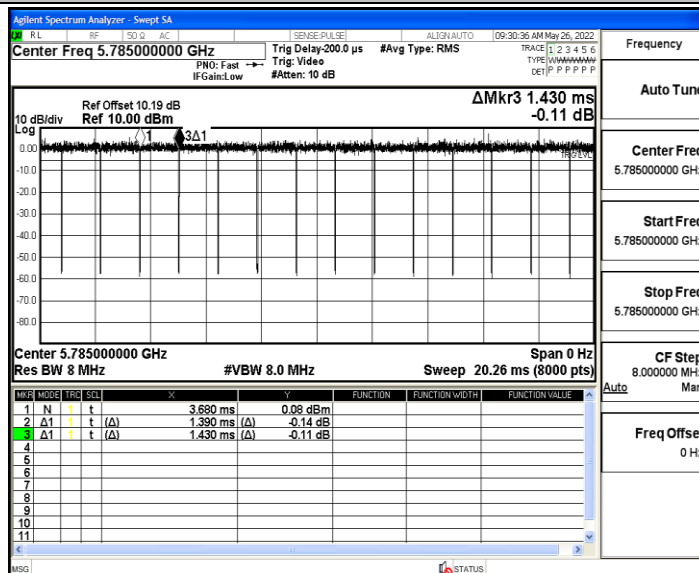
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5745	1.39	1.43	97.20	0.72
		5785	1.39	1.43	97.20	0.72
		5825	1.39	1.43	97.20	0.72
11N20MIMO	Ant1	5745	1.30	1.33	97.74	0.77
		5785	1.30	1.33	97.74	0.77
		5825	1.30	1.33	97.74	0.77
11N40MIMO	Ant1	5755	0.65	0.69	94.20	1.54
		5795	0.65	0.68	95.59	1.54

Test Graphs

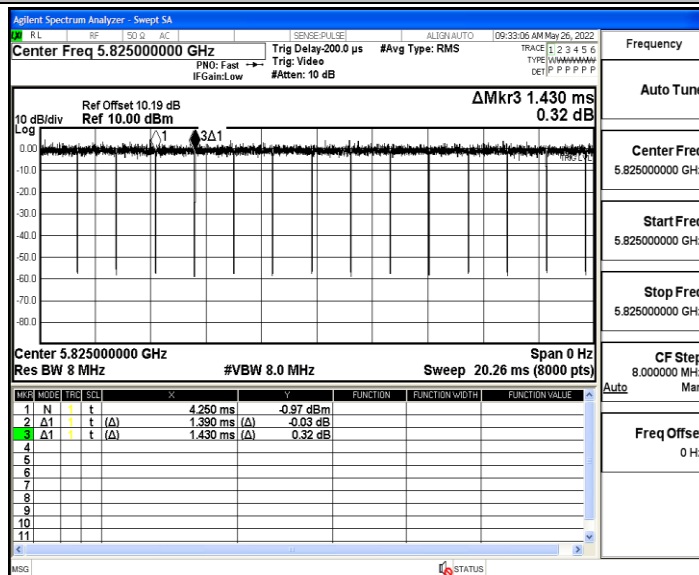
11A_Ant1_5745



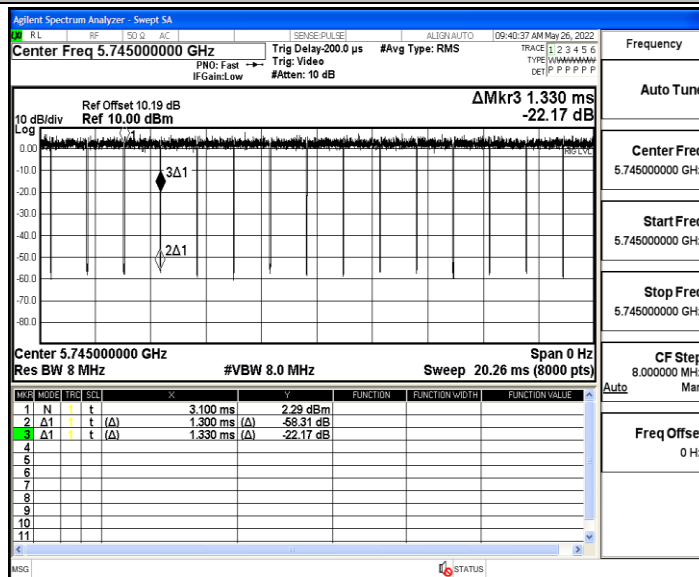
11A_Ant1_5785



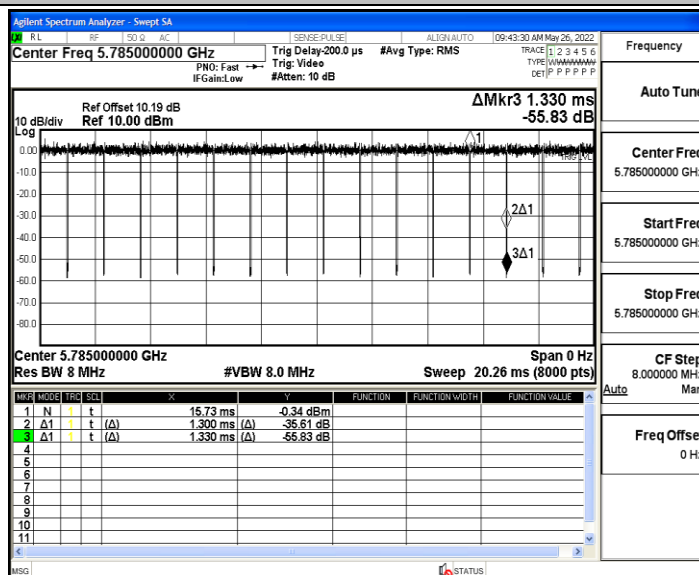
11A_Ant1_5825



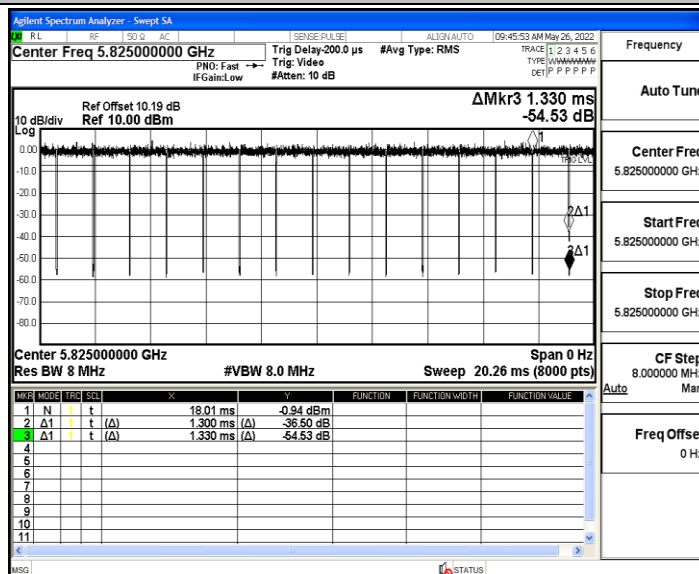
11N20MIMO_Ant1_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755

