

RF Test Data for RLAN(5.8G) (Conducted Measurement)**Product Name: 7-in IPS Touch Screen Wireless CarPlay****Trade Mark: N/A****Test Model: CP701S****FCC ID: 2A5PH-CP701S****Environmental Conditions**

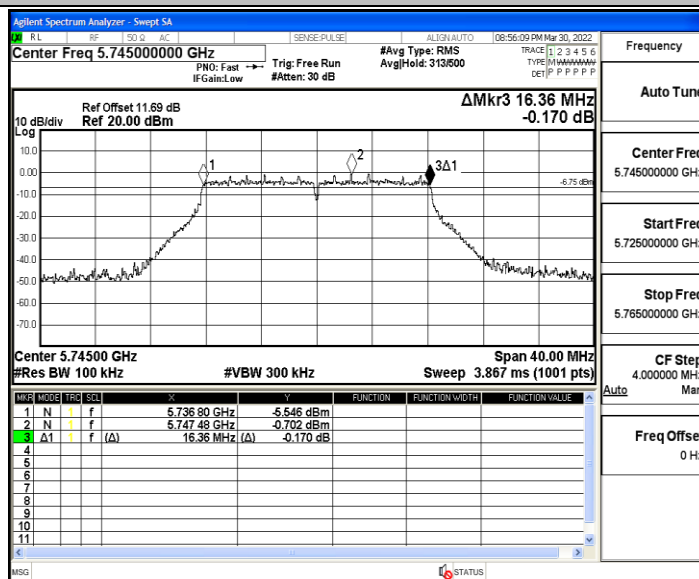
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

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

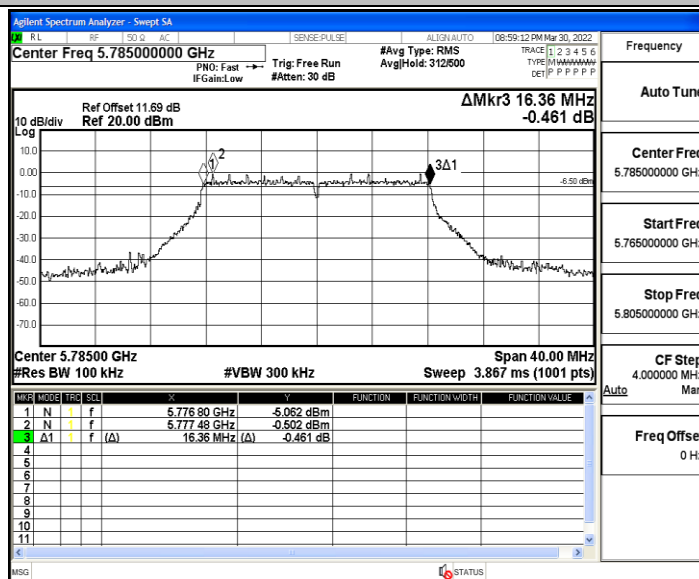
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.120	5753.840	0.5	PASS
		5785	17.680	5776.120	5793.800	0.5	PASS
		5825	17.680	5816.120	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS

Test Graphs

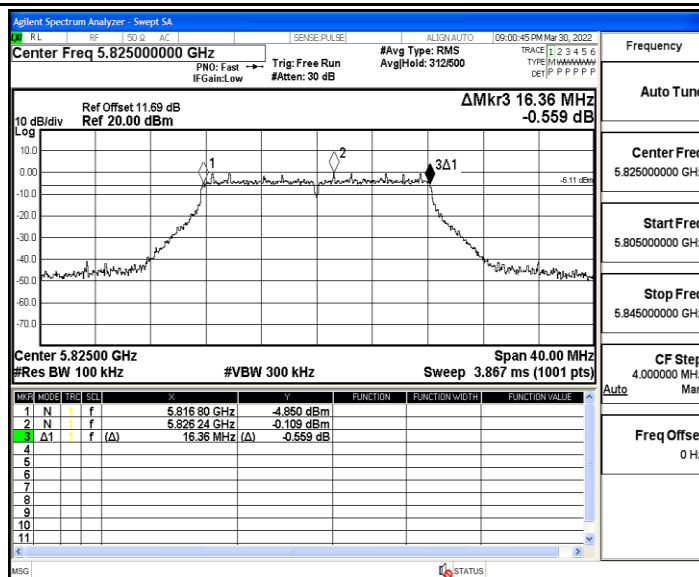
11A_Ant1_5745



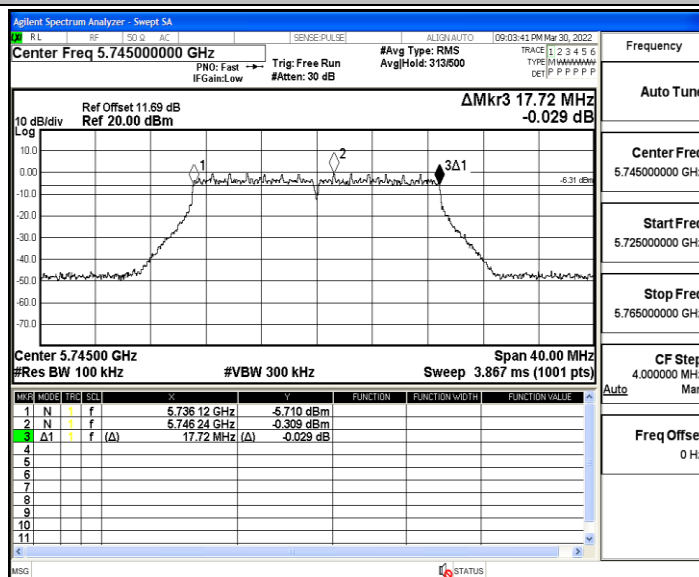
11A_Ant1_5785



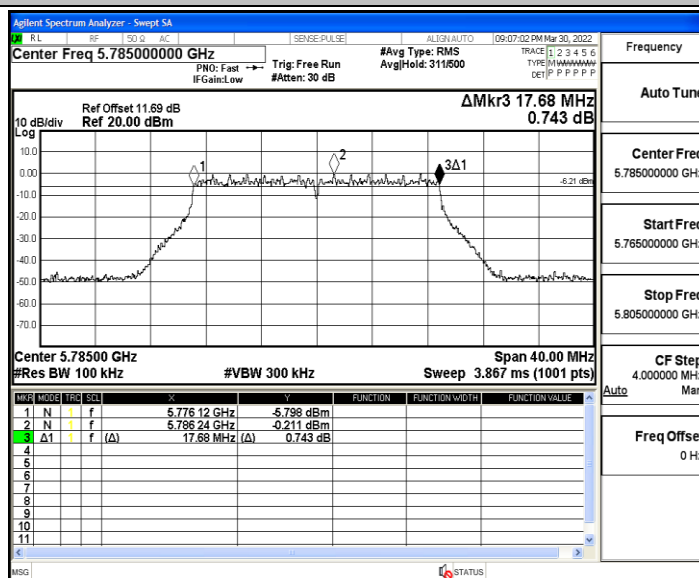
11A_Ant1_5825



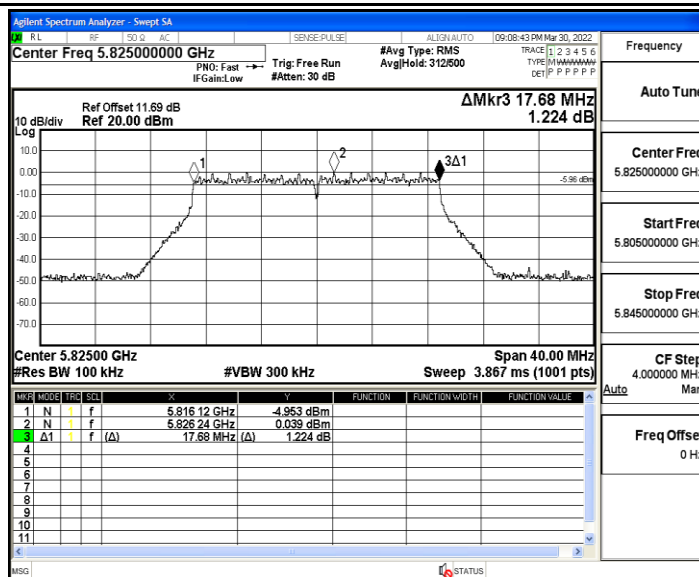
11N20SISO_Ant1_5745



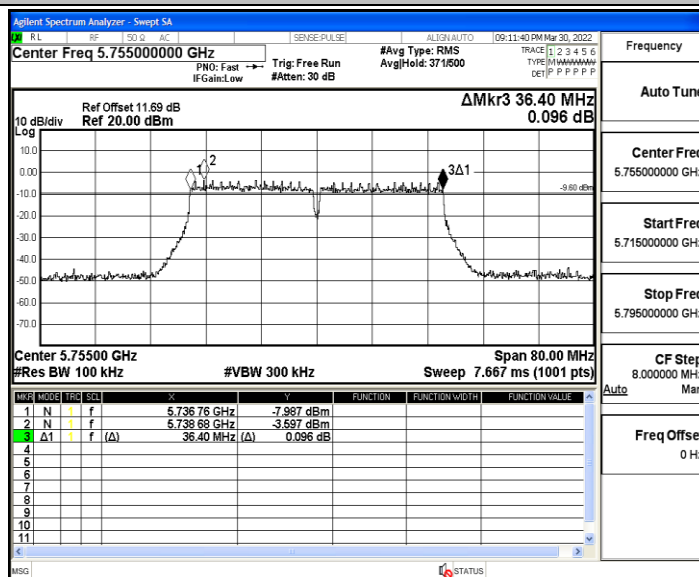
11N20SISO_Ant1_5785



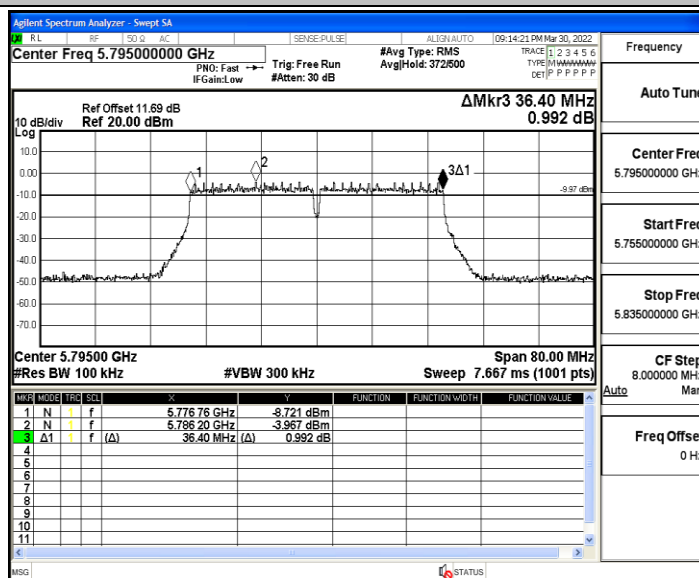
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	10.90	≤30	PASS
		5785	11.04	≤30	PASS
		5825	11.24	≤30	PASS
11N20SISO	Ant1	5745	11.60	≤30	PASS
		5785	11.26	≤30	PASS
		5825	11.66	≤30	PASS
11N40SISO	Ant1	5755	11.23	≤30	PASS
		5795	10.88	≤30	PASS

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

Appendix C: Maximum power spectral density

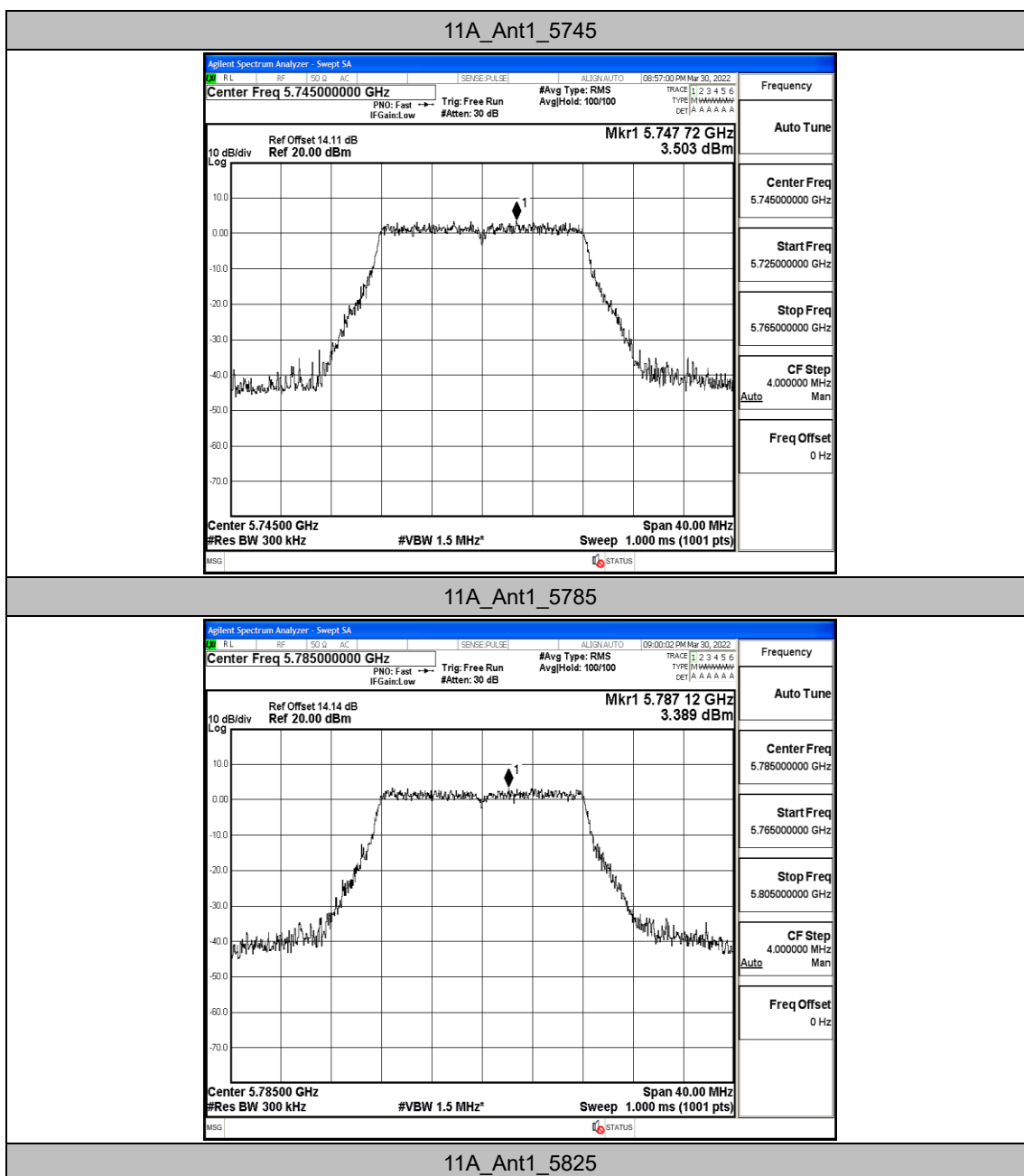
Test Result

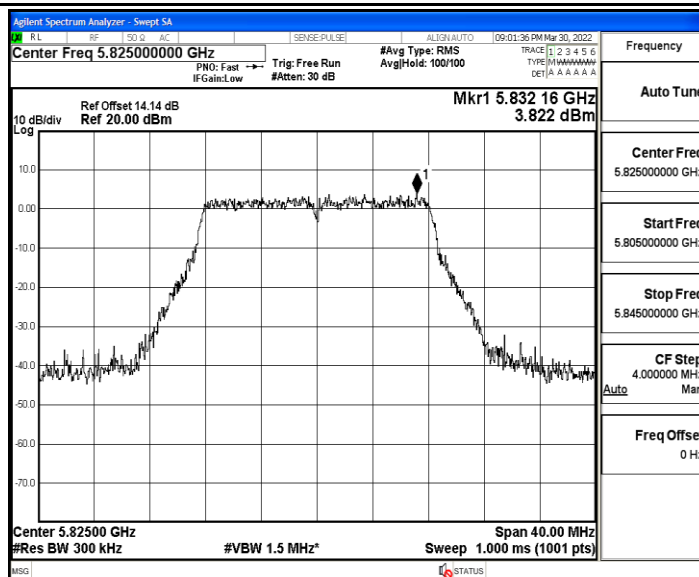
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	3.5	≤30	PASS
		5785	3.39	≤30	PASS
		5825	3.82	≤30	PASS
11N20SISO	Ant1	5745	5.52	≤30	PASS
		5785	5.06	≤30	PASS
		5825	6.79	≤30	PASS
11N40SISO	Ant1	5755	3.15	≤30	PASS
		5795	2.6	≤30	PASS

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

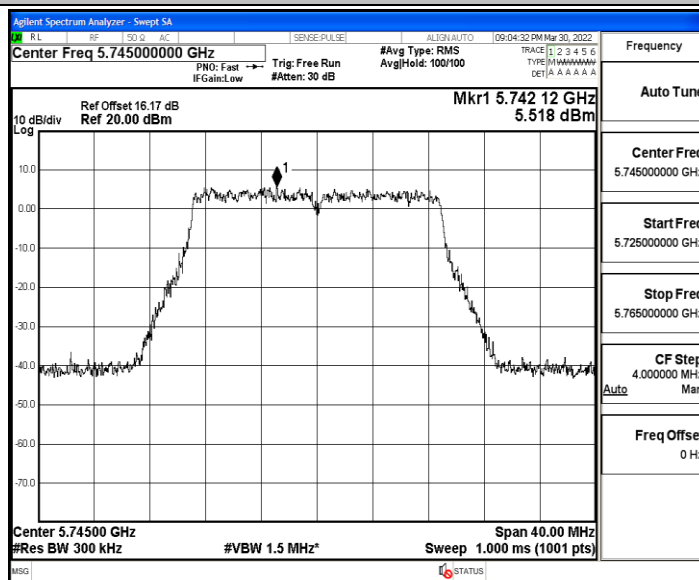
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

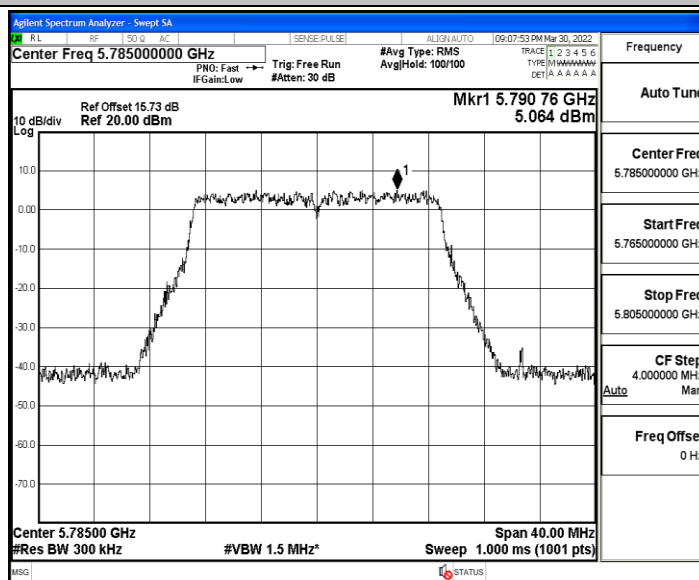




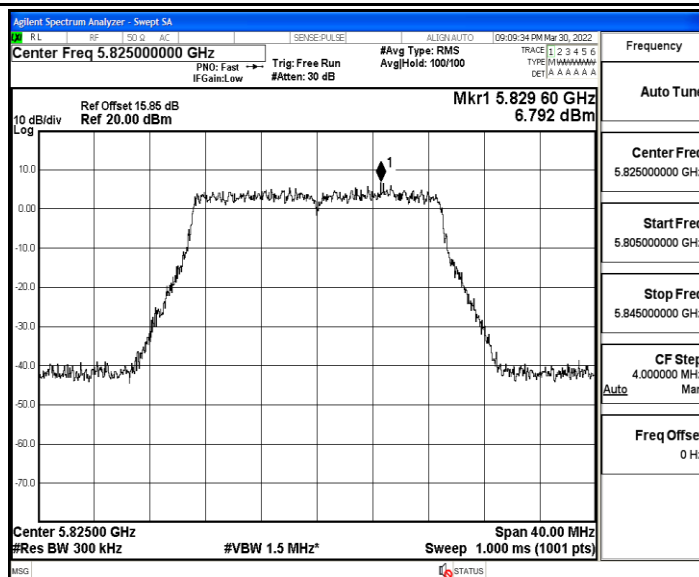
11N20SISO_Ant1_5745



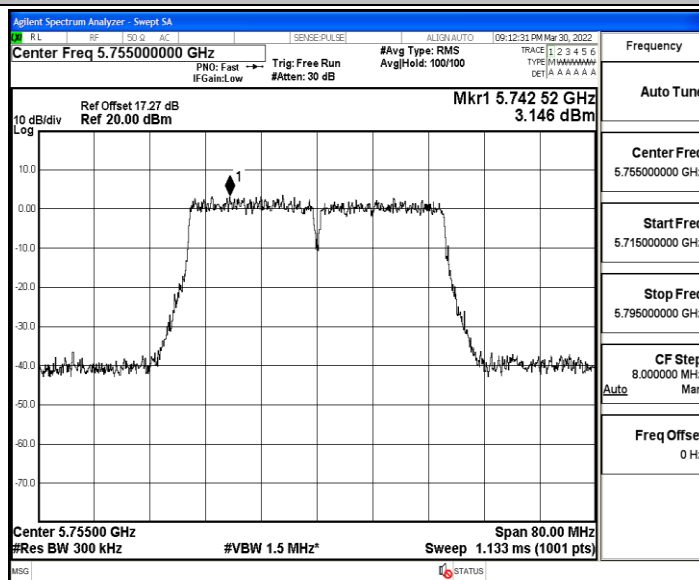
11N20SISO_Ant1_5785



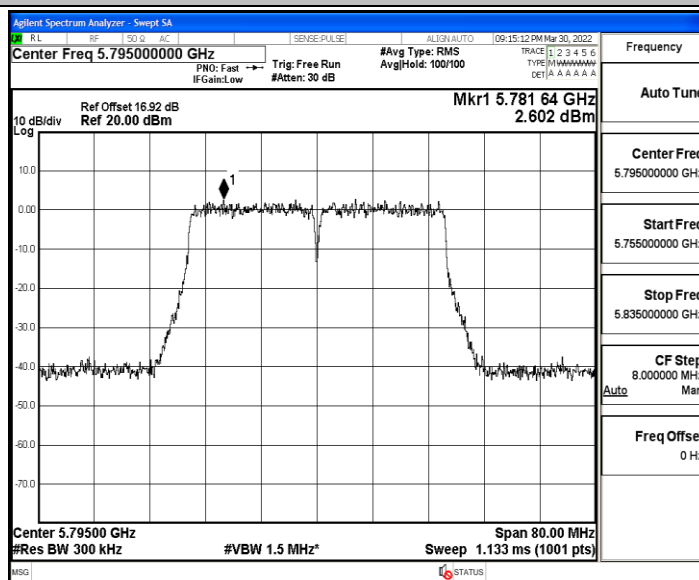
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



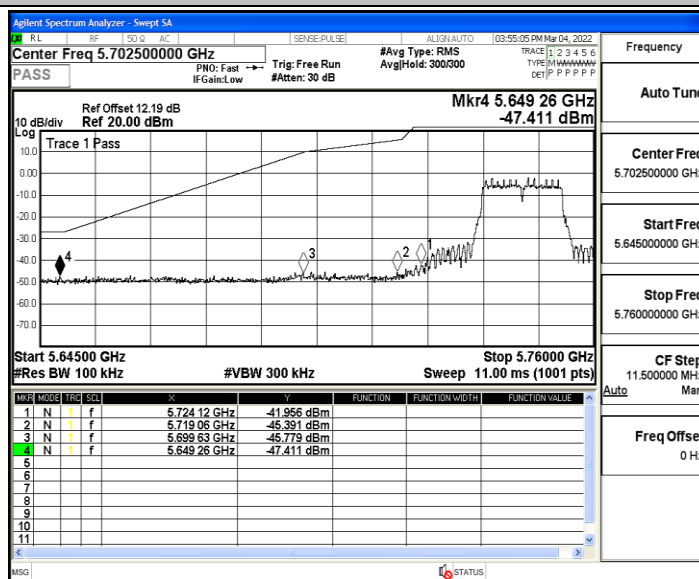
Appendix D: Band edge measurements

Test Result

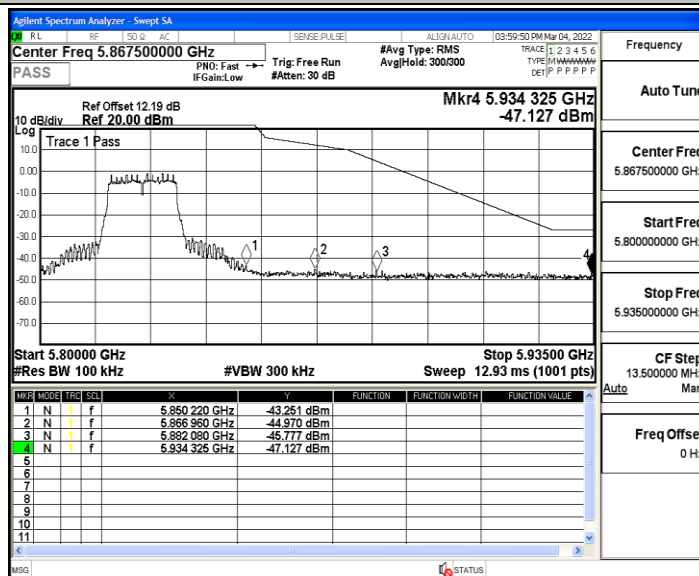
TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-47.2	≤1.47	PASS
				5700~5720	-46.5	≤14.44	PASS
				5720~5725	-47.1	≤21.85	PASS
				5760~5650	-48.93	≤-27	PASS
		High	5825	5850~5855	-46.91	≤20.10	PASS
				5855~5875	-46.85	≤12.33	PASS
				5875~5925	-46.44	≤-24.66	PASS
				5925~5935	-48.05	≤-27	PASS
11N20SIS O	Ant1	Low	5745	5650~5700	-46.65	≤-4.57	PASS
				5700~5720	-46.21	≤12.21	PASS
				5720~5725	-46.39	≤21.32	PASS
				5760~5650	-48.18	≤-27	PASS
		High	5825	5850~5855	-46.74	≤24.41	PASS
				5855~5875	-45.81	≤11.35	PASS
				5875~5925	-47.04	≤-7.38	PASS
				5925~5935	-47.47	≤-27	PASS
11N40SIS O	Ant1	Low	5755	5650~5700	-46.9	≤-8.22	PASS
				5700~5720	-45.51	≤15.58	PASS
				5720~5725	-45.68	≤15.74	PASS
				5780~5650	-47.92	≤-27	PASS
		High	5795	5850~5855	-47.29	≤18.29	PASS
				5855~5875	-46.63	≤14.20	PASS
				5875~5925	-46.76	≤-13.61	PASS
				5925~5935	-47.23	≤-27	PASS

Test Graphs

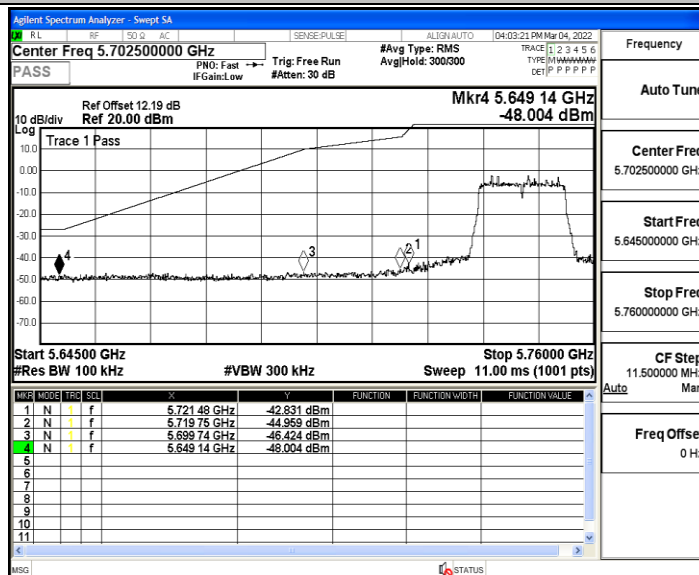
11A_Ant1_Low_5745



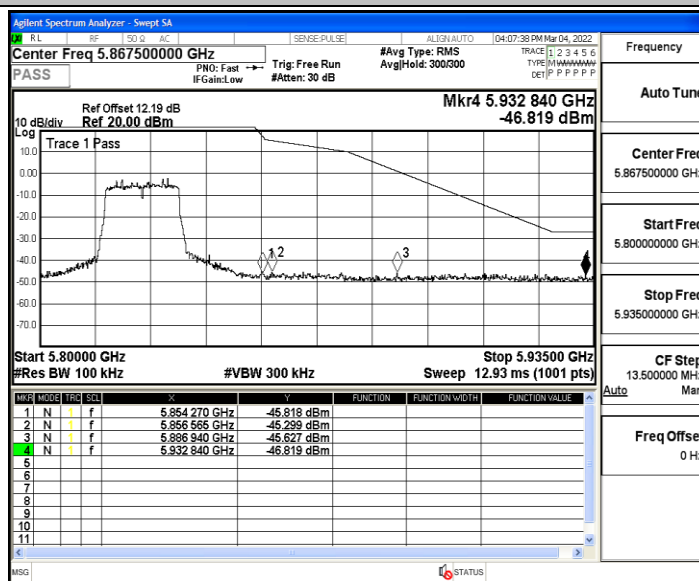
11A_Ant1_High_5825



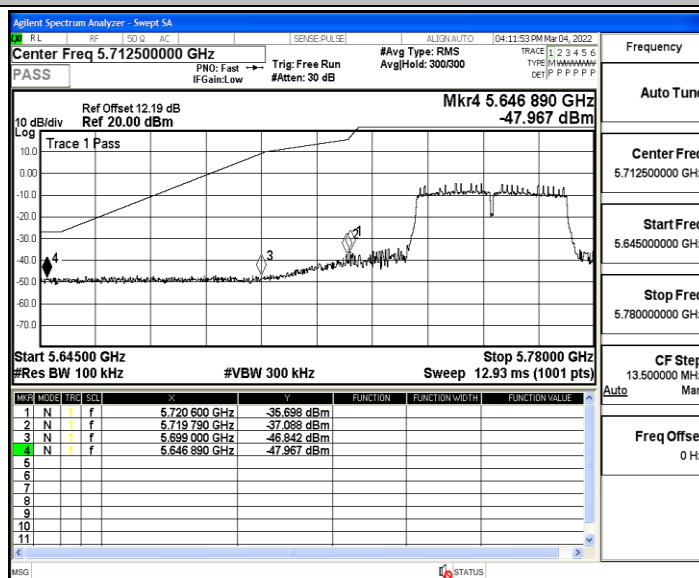
11N20MIMO_Ant1_Low 5745



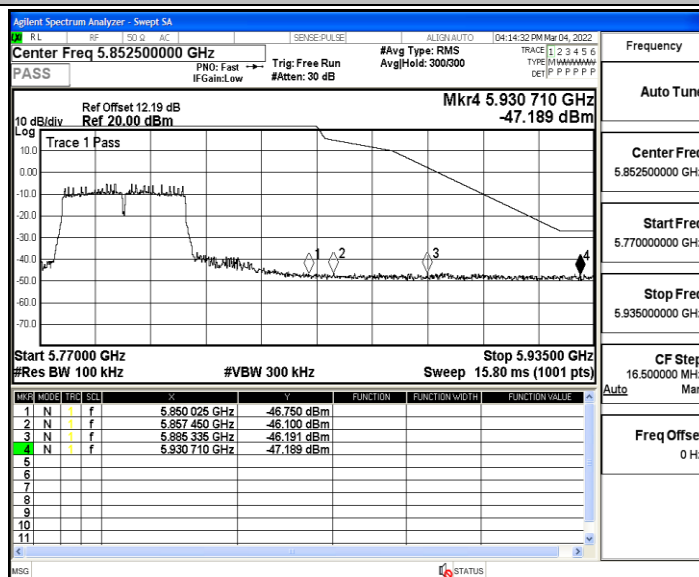
11N20MIMO_Ant1_High_5825



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	5744.926238	5745 – 5825	PASS
5745	20	108	5745.078586	5745 – 5825	PASS
5745	50	120	5745.023132	5745 – 5825	PASS
5745	40	120	5745.041728	5745 – 5825	PASS
5745	30	120	5744.982825	5745 – 5825	PASS
5745	20	120	5745.075504	5745 – 5825	PASS
5745	10	120	5744.905888	5745 – 5825	PASS
5745	0	120	5745.076055	5745 – 5825	PASS
5745	-10	120	5745.028756	5745 – 5825	PASS
5745	-20	120	5745.061536	5745 – 5825	PASS
5745	-30	120	5744.937146	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.065031	5745 – 5825	PASS
5785	20	108	5784.955437	5745 – 5825	PASS
5785	50	120	5784.939169	5745 – 5825	PASS
5785	40	120	5785.036604	5745 – 5825	PASS
5785	30	120	5785.060977	5745 – 5825	PASS
5785	20	120	5784.921342	5745 – 5825	PASS
5785	10	120	5784.921090	5745 – 5825	PASS
5785	0	120	5784.960752	5745 – 5825	PASS
5785	-10	120	5785.027190	5745 – 5825	PASS
5785	-20	120	5784.951838	5745 – 5825	PASS
5785	-30	120	5784.901482	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.939475	5745 – 5825	PASS
5825	20	108	5825.050616	5745 – 5825	PASS
5825	50	120	5825.013191	5745 – 5825	PASS
5825	40	120	5825.069490	5745 – 5825	PASS
5825	30	120	5824.990577	5745 – 5825	PASS
5825	20	120	5824.972065	5745 – 5825	PASS
5825	10	120	5824.993853	5745 – 5825	PASS
5825	0	120	5824.931756	5745 – 5825	PASS
5825	-10	120	5824.906953	5745 – 5825	PASS
5825	-20	120	5824.934081	5745 – 5825	PASS
5825	-30	120	5824.923043	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.047763	5745 – 5825	PASS
5755	20	108	5754.977482	5745 – 5825	PASS
5755	50	120	5754.998483	5745 – 5825	PASS
5755	40	120	5755.091578	5745 – 5825	PASS
5755	30	120	5754.981122	5745 – 5825	PASS
5755	20	120	5755.050840	5745 – 5825	PASS
5755	10	120	5755.026564	5745 – 5825	PASS
5755	0	120	5754.946179	5745 – 5825	PASS
5755	-10	120	5754.927954	5745 – 5825	PASS
5755	-20	120	5755.072945	5745 – 5825	PASS
5755	-30	120	5754.934141	5745 – 5825	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.017905	5745 – 5825	PASS
5795	20	108	5795.029768	5745 – 5825	PASS
5795	50	120	5794.989608	5745 – 5825	PASS
5795	40	120	5795.025028	5745 – 5825	PASS
5795	30	120	5795.078263	5745 – 5825	PASS
5795	20	120	5794.994846	5745 – 5825	PASS
5795	10	120	5795.072110	5745 – 5825	PASS
5795	0	120	5795.012171	5745 – 5825	PASS
5795	-10	120	5794.985161	5745 – 5825	PASS
5795	-20	120	5795.075995	5745 – 5825	PASS
5795	-30	120	5795.090771	5745 – 5825	PASS

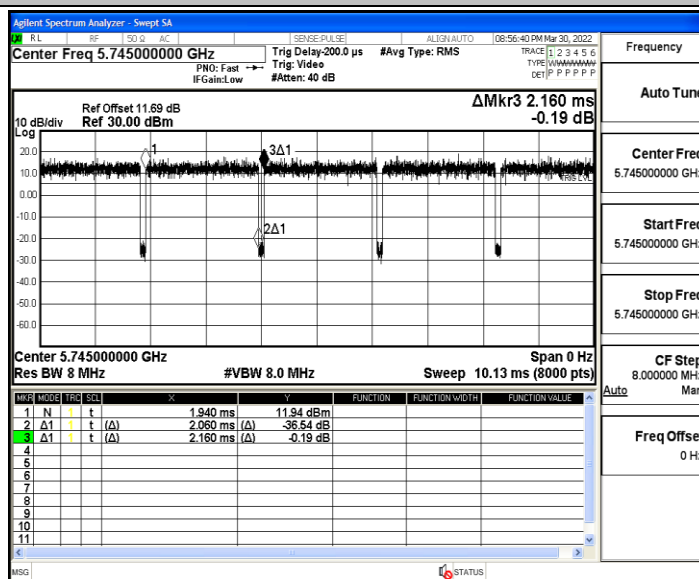
Appendix F: Duty Cycle

Test Result

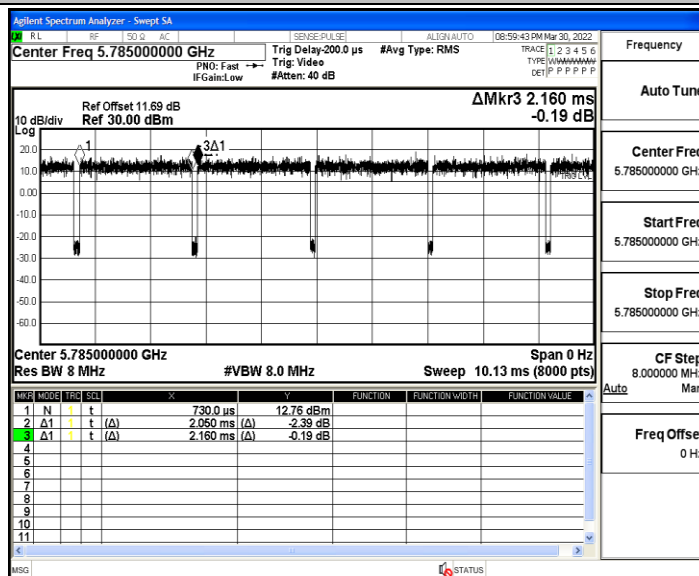
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B [KHz]
11A	Ant1	5745	2.06	2.16	95.37	0.49
		5785	2.05	2.16	94.91	0.49
		5825	2.05	2.16	94.91	0.49
11N20SISO	Ant1	5745	0.22	0.37	59.46	4.55
		5785	0.23	0.35	65.71	4.35
		5825	0.23	0.36	63.89	4.35
11N40SISO	Ant1	5755	0.12	0.26	46.15	8.33
		5795	0.13	0.26	50.00	7.69

Test Graphs

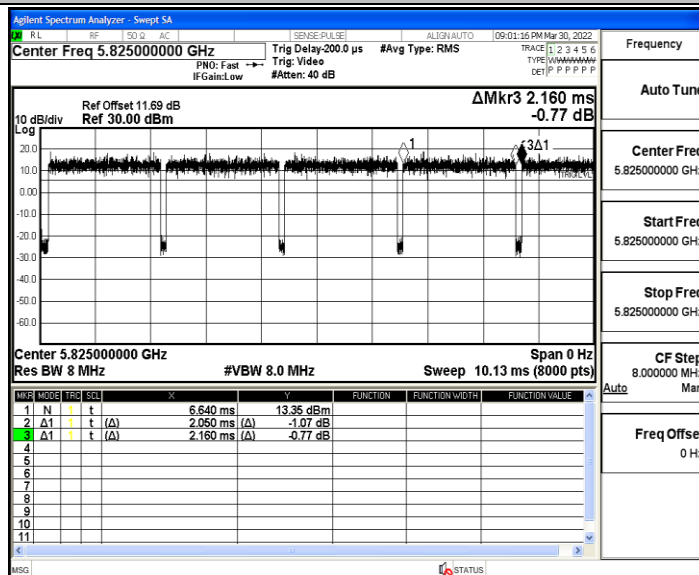
11A_Ant1_5745



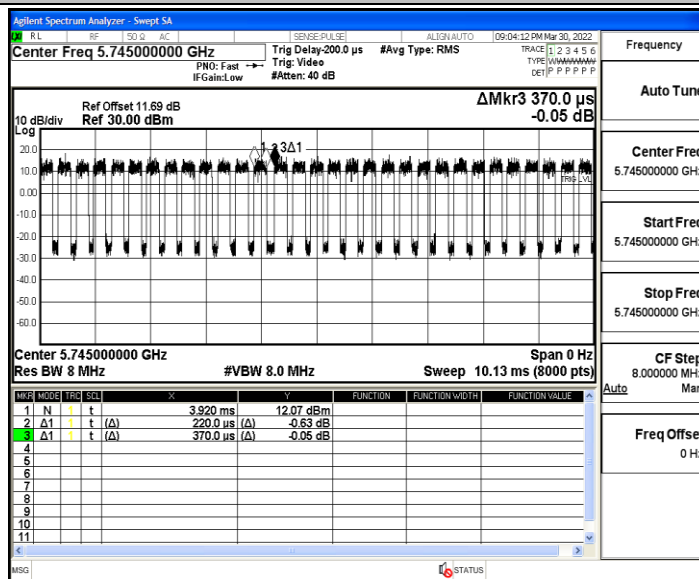
11A_Ant1_5785



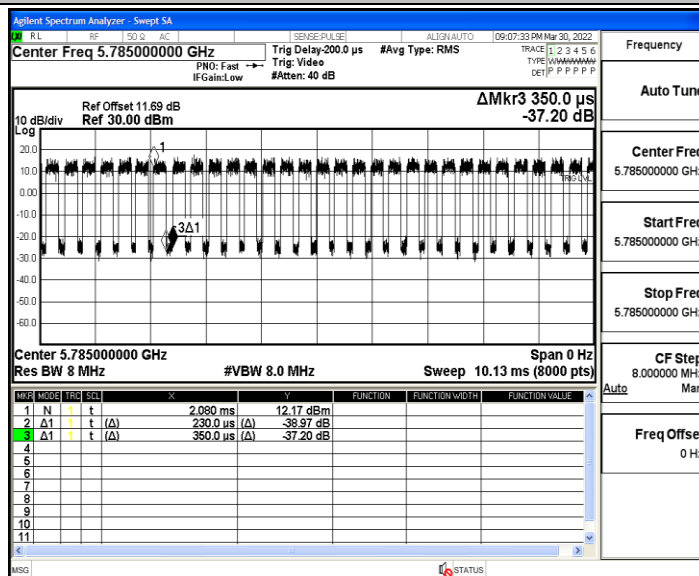
11A_Ant1_5825



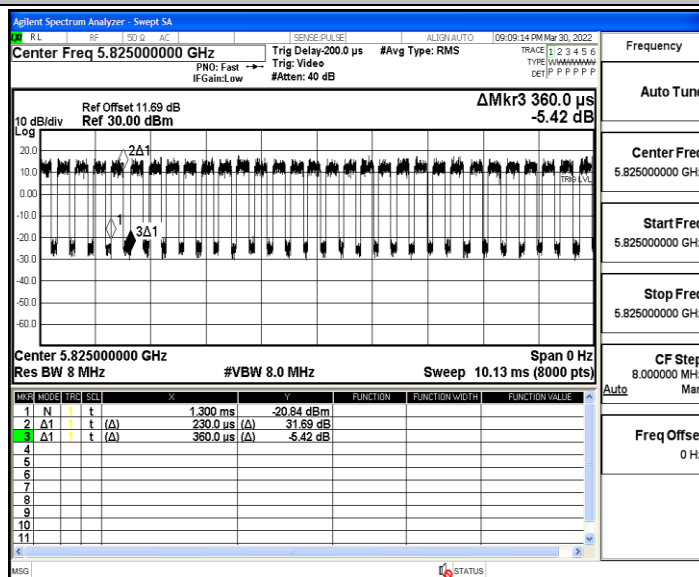
11N20SISO_Ant1_5745



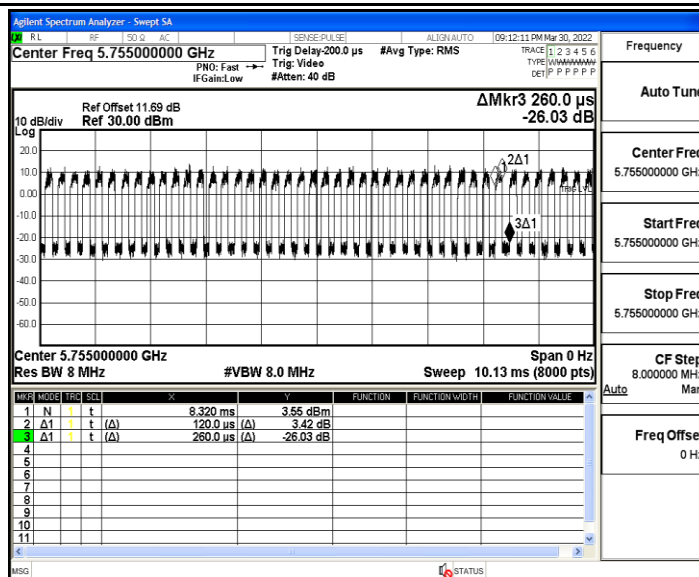
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

