



Appendix G

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: 8inch tablet PC

Test Model: SoyMomo_Pro_V2

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



G.1 6dB bandwidth

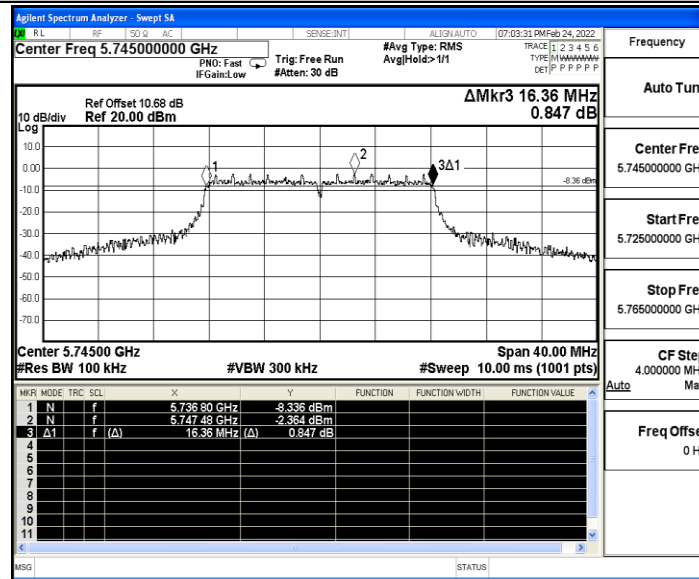
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant	5745	17.480	5736.240	5753.720	0.5	PASS
		5785	17.520	5776.200	5793.720	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant	5755	36.240	5736.760	5773.000	0.5	PASS
		5795	36.000	5776.920	5812.920	0.5	PASS
11AC20SISO	Ant	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.520	5816.200	5833.720	0.5	PASS
11AC40SISO	Ant	5755	36.240	5736.760	5773.000	0.5	PASS
		5795	36.160	5776.760	5812.920	0.5	PASS
11AC80SISO	Ant	5775	75.360	5737.240	5812.600	0.5	PASS

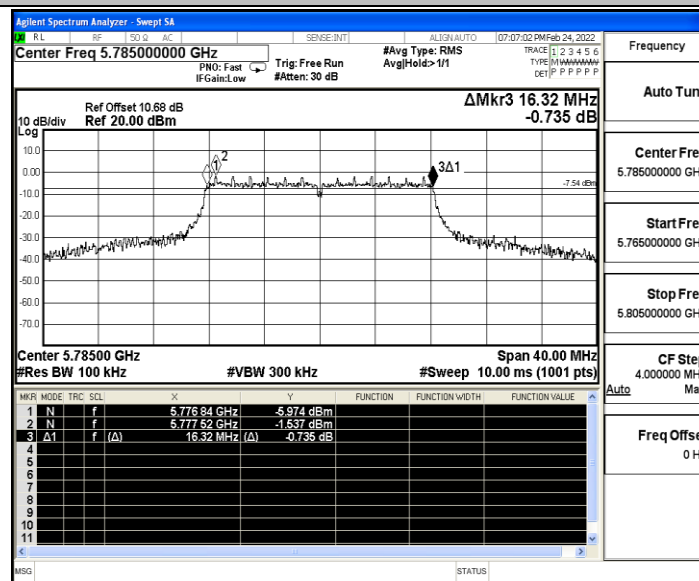


Test Graphs

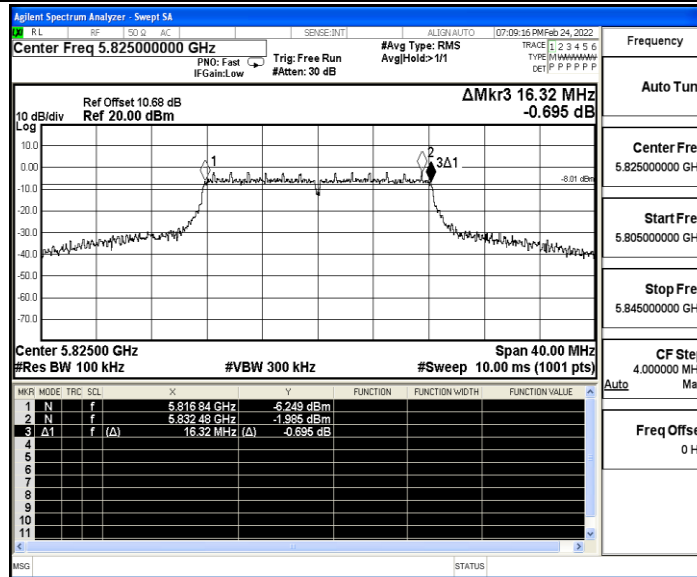
11A_Ant_5745



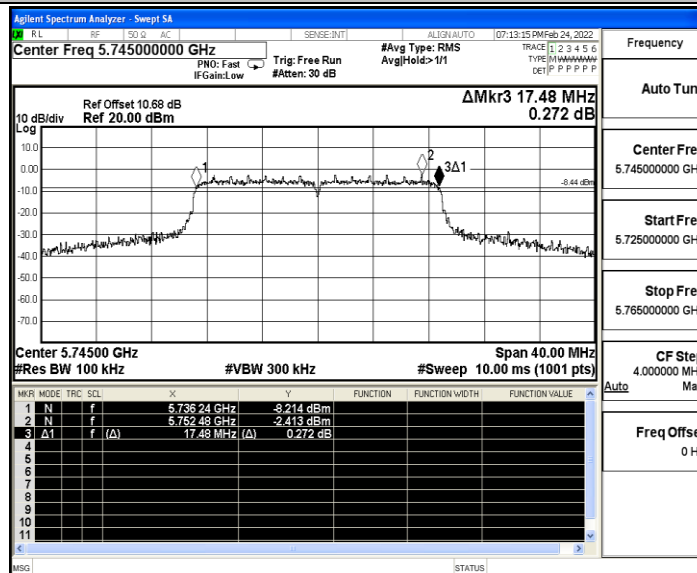
11A_Ant_5785



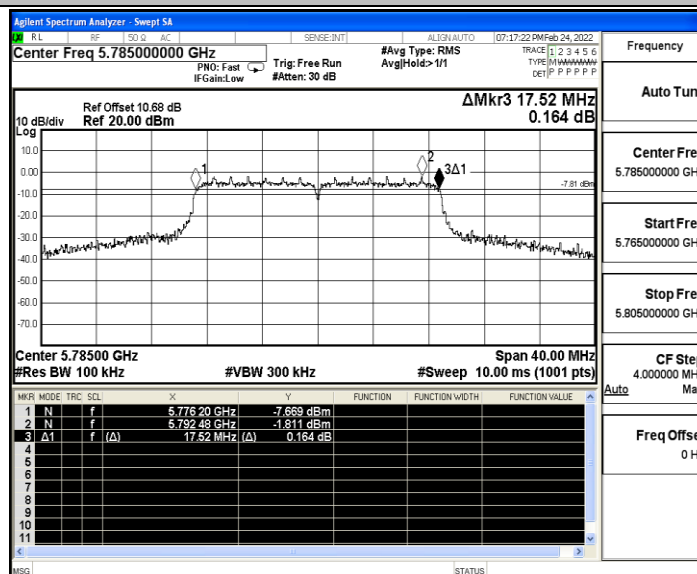
11A_Ant_5825



11N20SISO_Ant_5745

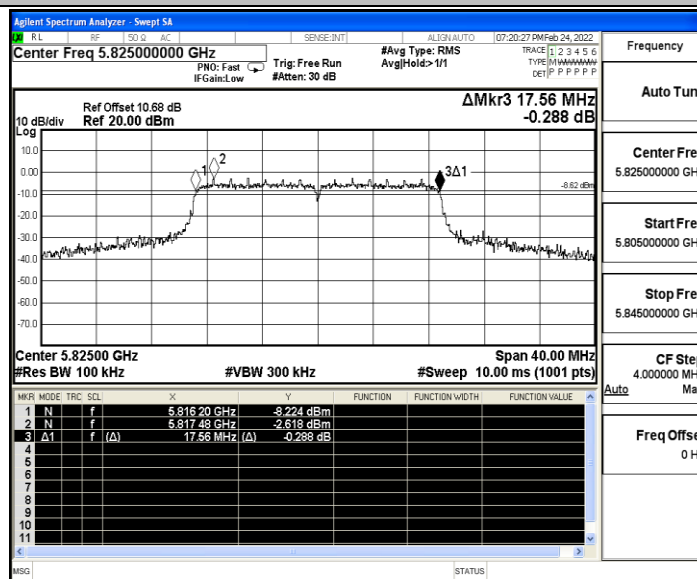


11N20SISO_Ant_5785

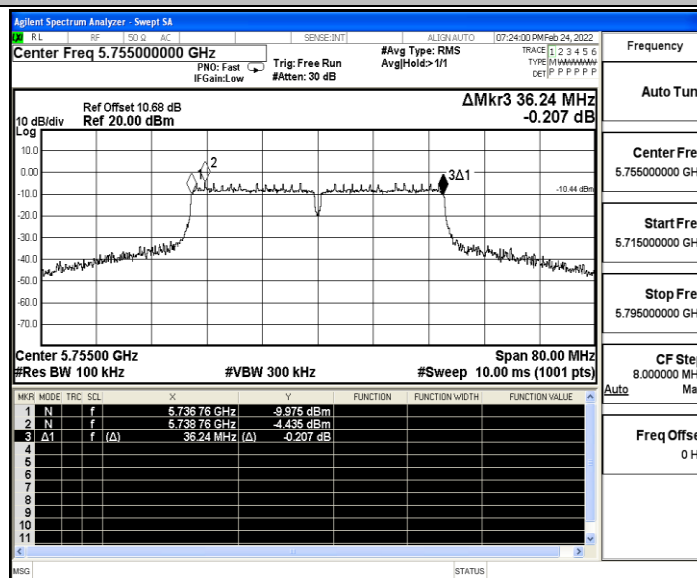




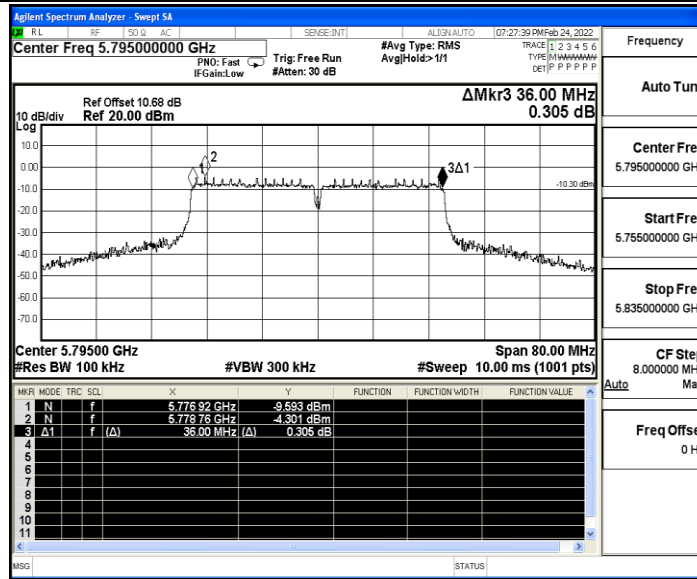
11N20SISO_Ant_5825



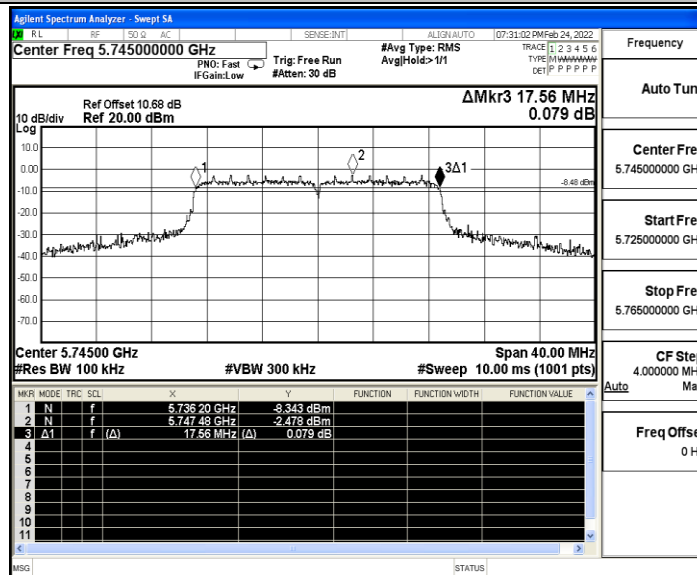
11N40SISO_Ant_5755



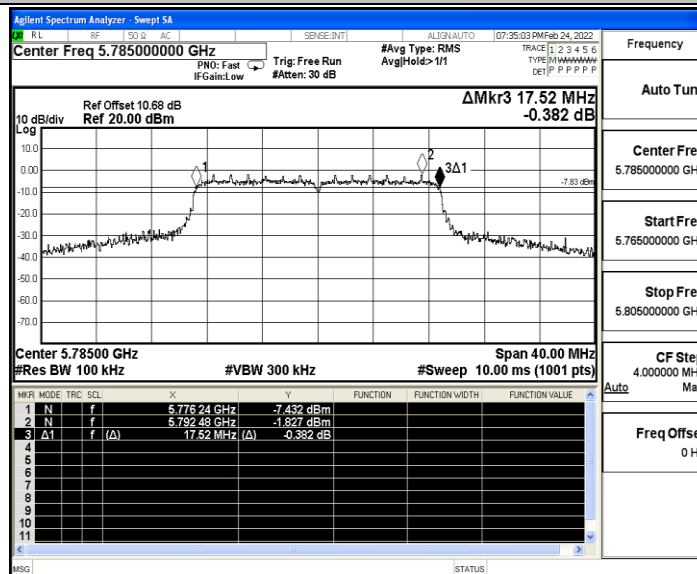
11N40SISO_Ant_5795



11AC20SISO_Ant_5745

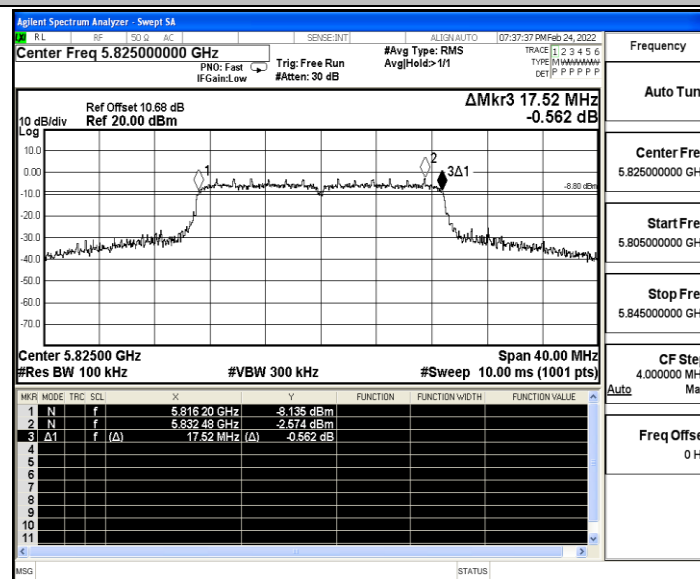


11AC20SISO_Ant_5785

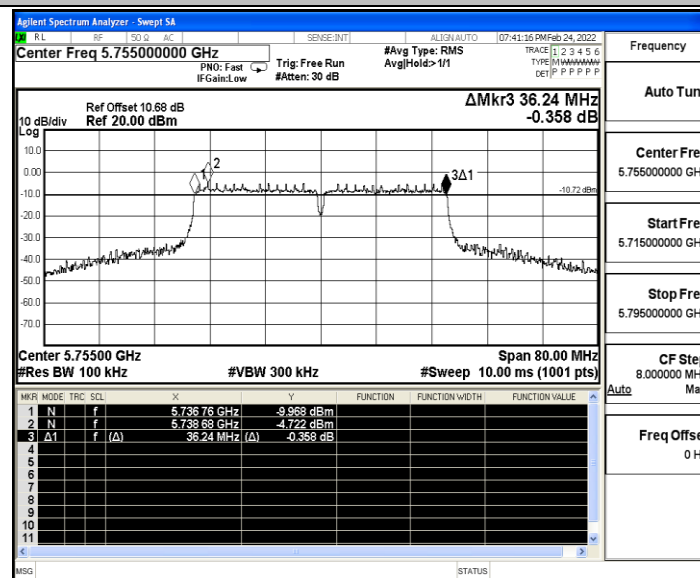




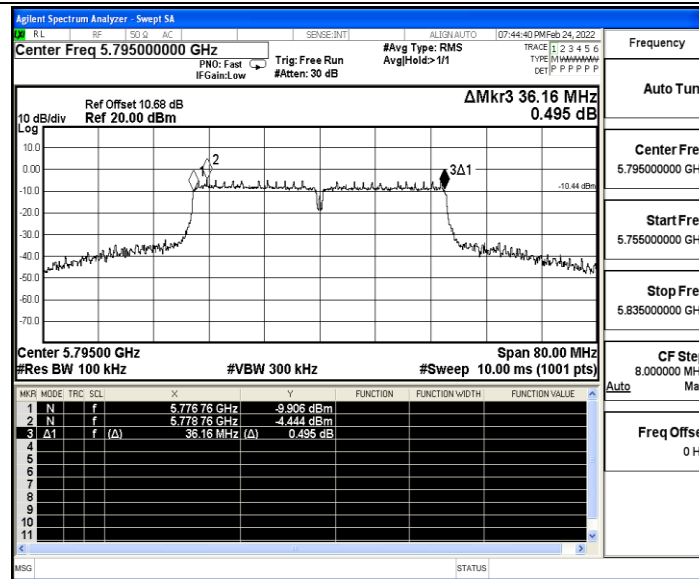
11AC20SISO_Ant_5825



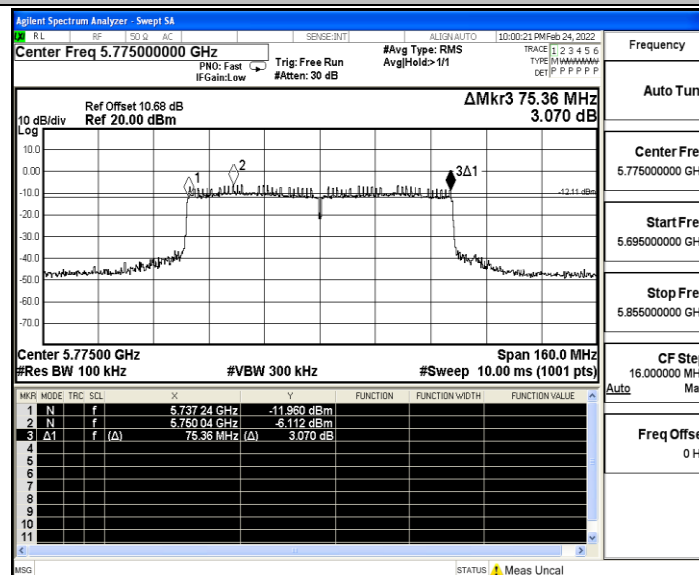
11AC40SISO_Ant_5755



11AC40SISO_Ant_5795



11AC80SISO_Ant_5775





G.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant	5745	9.18	≤30.00	PASS
		5785	9.96	≤30.00	PASS
		5825	9.46	≤30.00	PASS
11N20SISO	Ant	5745	9.40	≤30.00	PASS
		5785	10.03	≤30.00	PASS
		5825	9.27	≤30.00	PASS
11N40SISO	Ant	5755	9.88	≤30.00	PASS
		5795	9.82	≤30.00	PASS
11AC20SISO	Ant	5745	9.38	≤30.00	PASS
		5785	10.01	≤30.00	PASS
		5825	9.16	≤30.00	PASS
11AC40SISO	Ant	5755	9.69	≤30.00	PASS
		5795	9.80	≤30.00	PASS
11AC80SISO	Ant	5775	10.15	≤30.00	PASS

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



G.3 Maximum power spectral density

Test Result

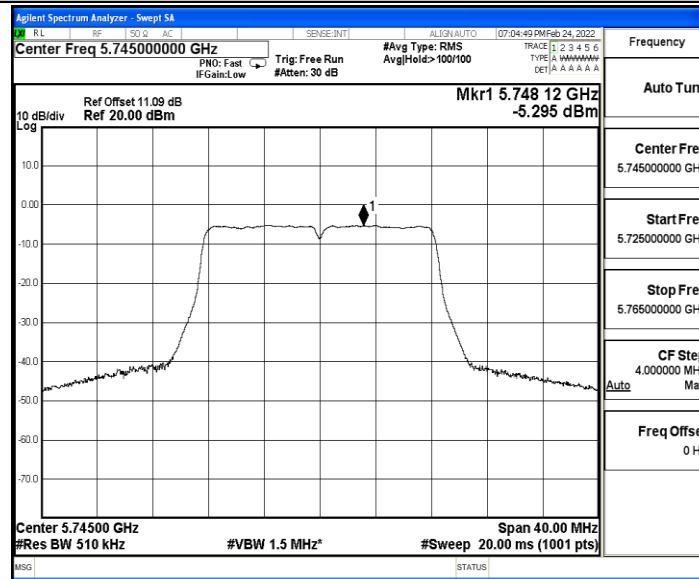
TestMode	Antenna	Channel	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
11A	Ant	5745	-5.22	≤30.00	PASS
		5785	-4.36	≤30.00	PASS
		5825	-5.11	≤30.00	PASS
11N20SISO	Ant	5745	-5.21	≤30.00	PASS
		5785	-4.54	≤30.00	PASS
		5825	-5.32	≤30.00	PASS
11N40SISO	Ant	5755	-7.51	≤30.00	PASS
		5795	-7.39	≤30.00	PASS
11AC20SISO	Ant	5745	-5.12	≤30.00	PASS
		5785	-4.64	≤30.00	PASS
		5825	-5.53	≤30.00	PASS
11AC40SISO	Ant	5755	-7.51	≤30.00	PASS
		5795	-7.25	≤30.00	PASS
11AC80SISO	Ant	5775	-9.83	≤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.

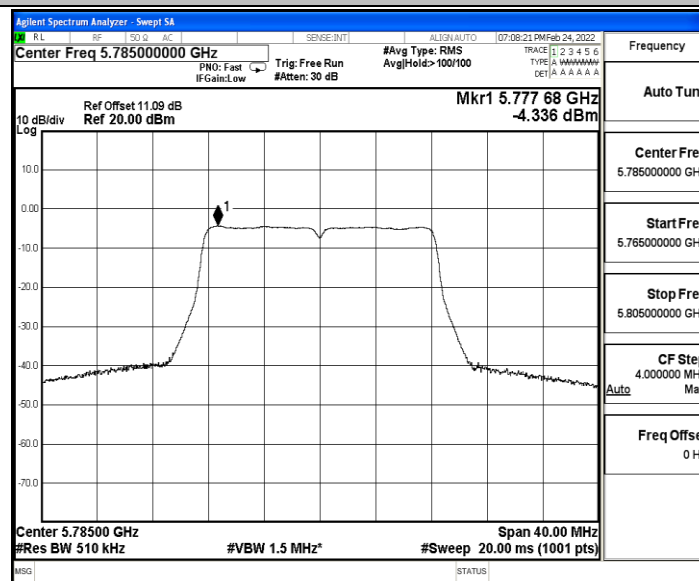


Test Graphs

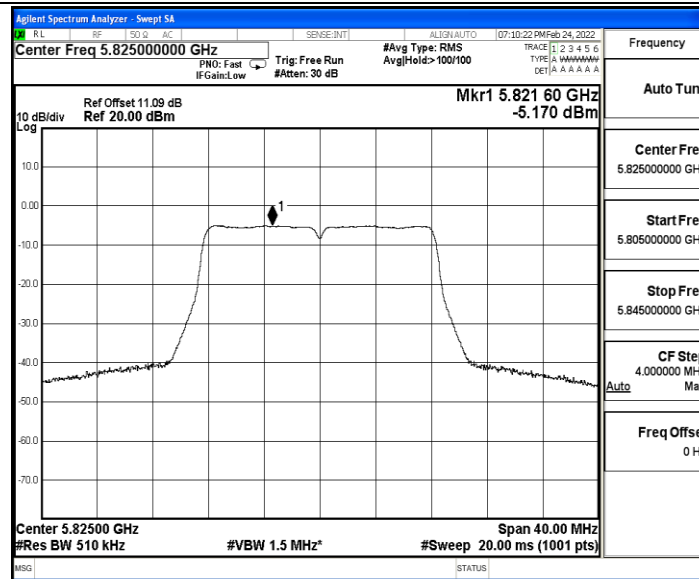
11A_Ant_5745



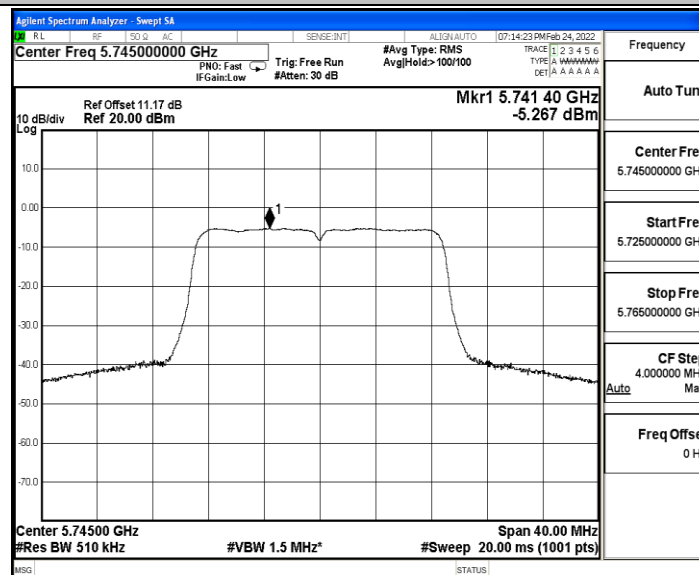
11A_Ant_5785



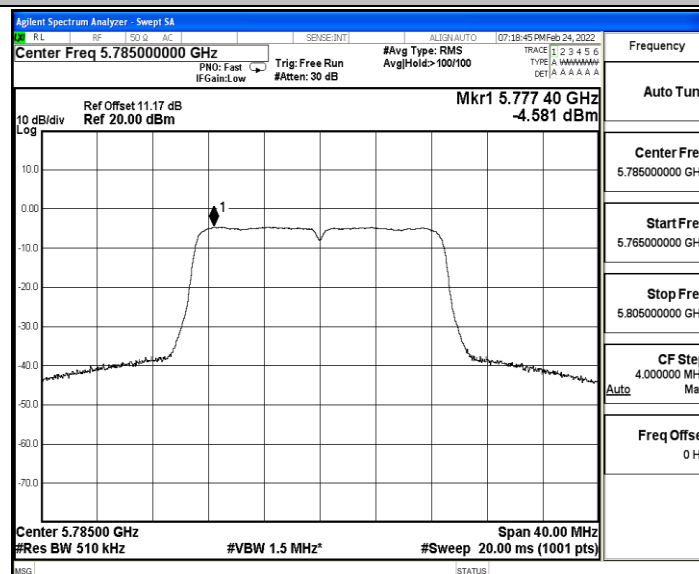
11A_Ant_5825



11N20SISO_Ant_5745

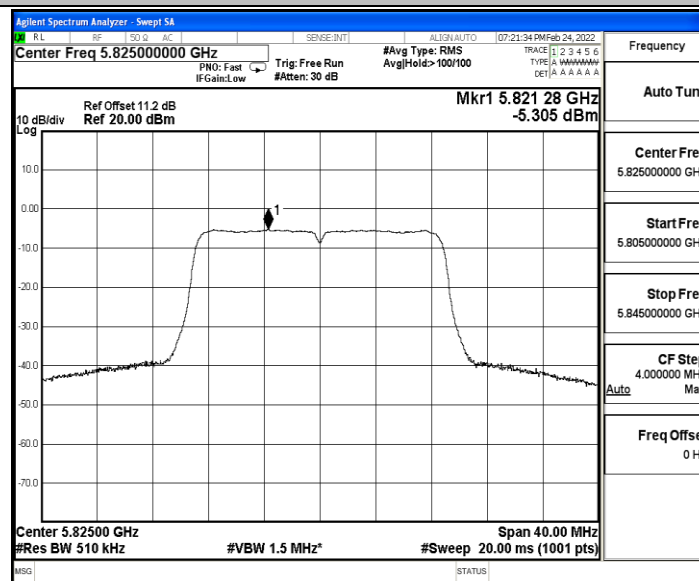


11N20SISO_Ant_5785

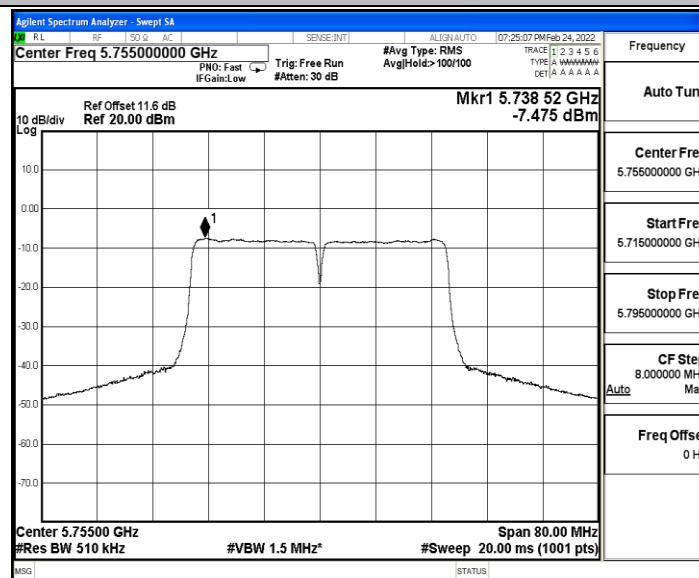




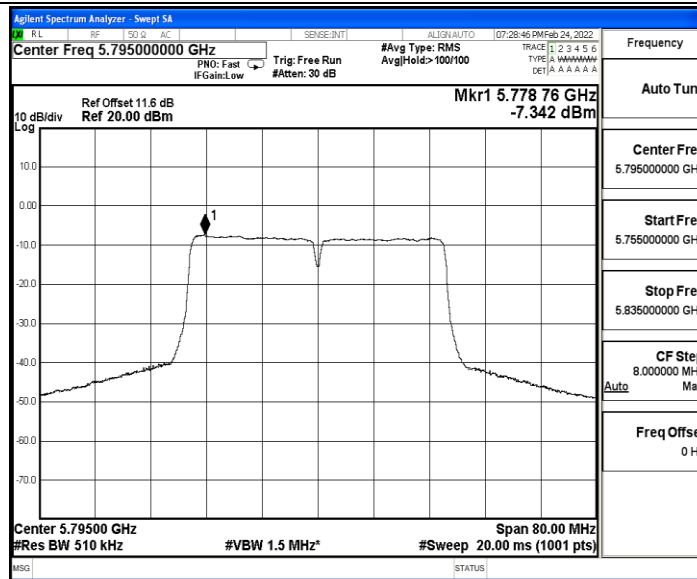
11N20SISO_Ant_5825



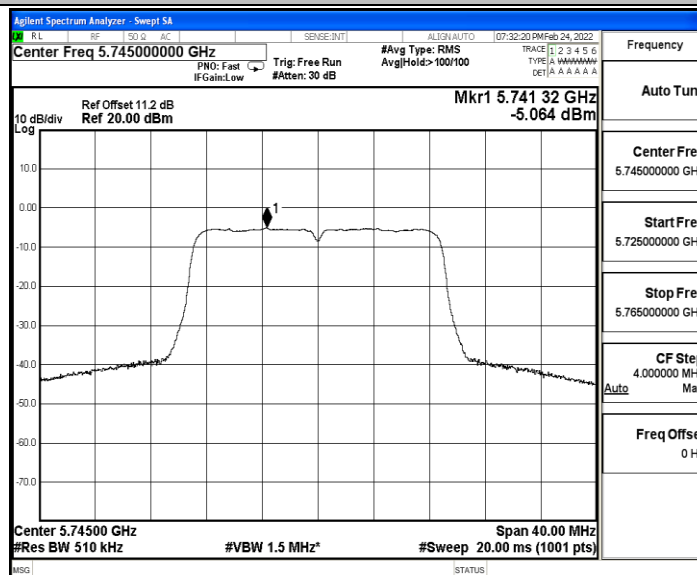
11N40SISO_Ant_5755



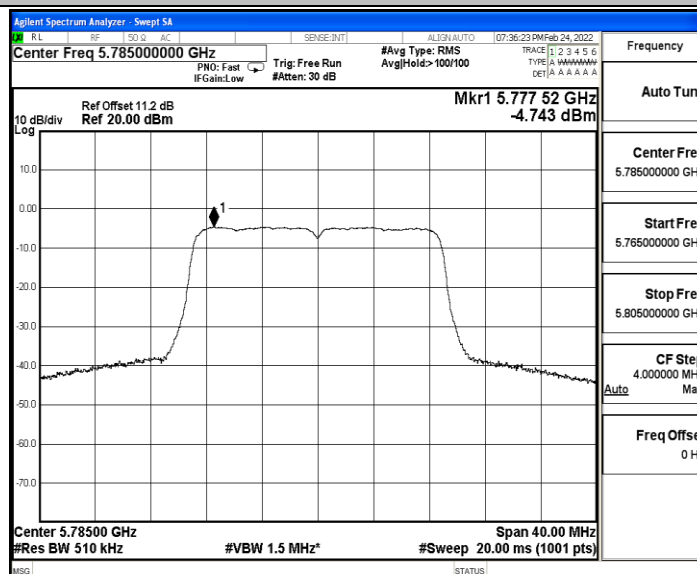
11N40SISO_Ant_5795



11AC20SISO_Ant_5745

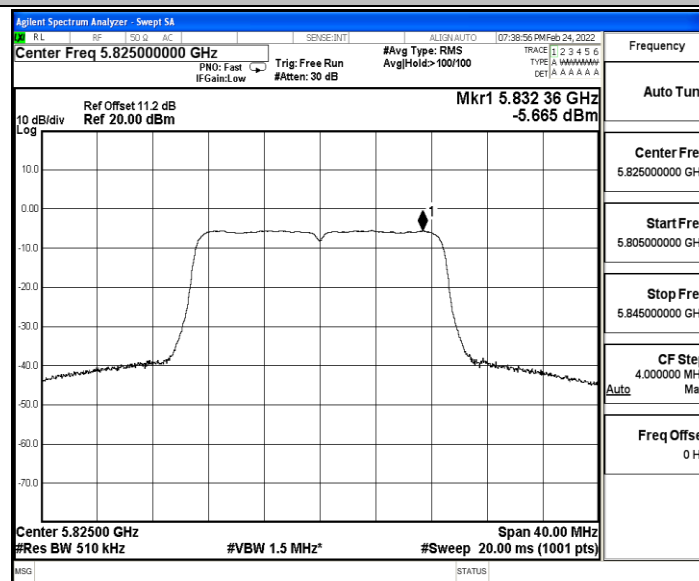


11AC20SISO_Ant_5785

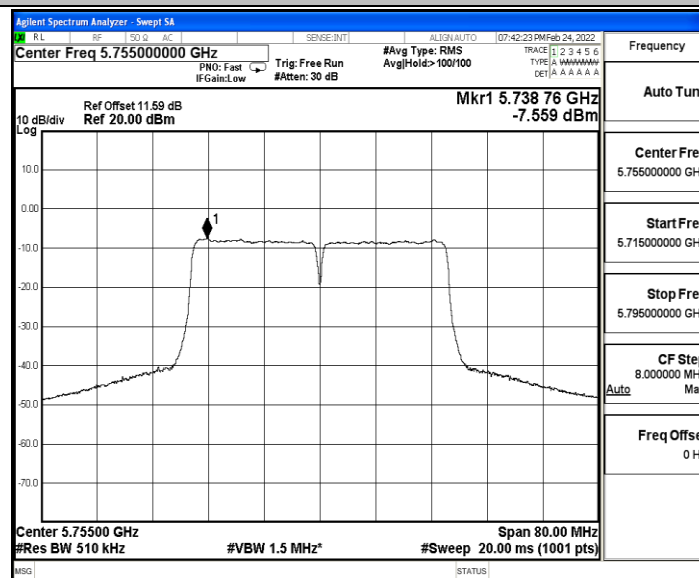




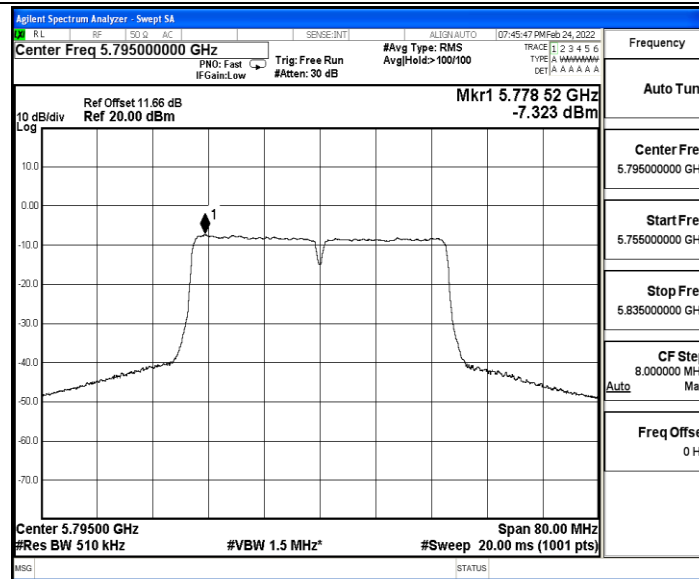
11AC20SISO_Ant_5825



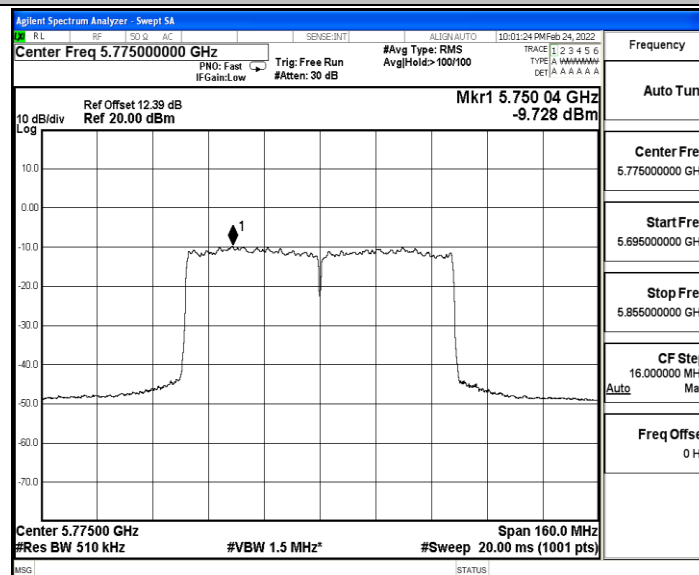
11AC40SISO_Ant_5755



11AC40SISO_Ant_5795



11AC80SISO_Ant_5775





G.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant	Low	5745	Peak	5650.000	-36.768	≤-27.00	---	---	PASS
				Peak	5700.000	-36.96	≤10.00	---	---	PASS
				Peak	5720.000	-33.24	≤15.60	---	---	PASS
				Peak	5725.000	-23.67	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-27.618	≤15.60	---	---	PASS
				Peak	5855.000	-33.47	≤27.00	---	---	PASS
				Peak	5875.000	-36.85	≤15.60	---	---	PASS
				Peak	5925.000	-36.85	≤10.00	- --	- --	PASS
11N20SISO	Ant	Low	5745	Peak	5650.000	-37.535	≤-27.00	---	---	PASS
				Peak	5700.000	-37.5	≤10.00	---	---	PASS
				Peak	5720.000	-24.45	≤15.60	---	---	PASS
				Peak	5725.000	-23.19	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-26.773	≤15.60	---	---	PASS
				Peak	5855.000	-32.84	≤27.00	---	---	PASS
				Peak	5875.000	-36.69	≤15.60	---	---	PASS
				Peak	5925.000	-37.5	≤10.00	- --	- --	PASS
11N40SISO	Ant	Low	5755	Peak	5650.000	-37.671	≤-27.00	---	---	PASS
				Peak	5700.000	-36.24	≤10.00	---	---	PASS
				Peak	5720.000	-27.17	≤15.60	---	---	PASS
				Peak	5725.000	-24.68	≤27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-37.068	≤15.60	---	---	PASS
				Peak	5855.000	-36.25	≤27.00	---	---	PASS
				Peak	5875.000	-37.1	≤15.60	---	---	PASS
				Peak	5925.000	-37.91	≤10.00	- --	- --	PASS
11AC20SISO	Ant	Low	5745	Peak	5650.000	-37.775	≤-27.00	---	---	PASS
				Peak	5700.000	-37.15	≤10.00	---	---	PASS
				Peak	5720.000	-26.32	≤15.60	---	---	PASS
				Peak	5725.000	-24.37	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-28.694	≤15.60	---	---	PASS
				Peak	5855.000	-34.98	≤27.00	---	---	PASS
				Peak	5875.000	-37.61	≤15.60	---	---	PASS
				Peak	5925.000	-36.92	≤10.00	- --	- --	PASS
11AC40SISO	Ant	Low	5755	Peak	5650.000	-37.723	≤-27.00	---	---	PASS
				Peak	5700.000	-37.63	≤10.00	---	---	PASS
				Peak	5720.000	-26.12	≤15.60	---	---	PASS
				Peak	5725.000	-19.31	≤27.00	- --	- --	PASS



		High	5795	Peak	5850.000	-37.05	≤ 15.60	---	---	PASS
				Peak	5855.000	-36.39	≤ 27.00	---	---	PASS
				Peak	5875.000	-37.62	≤ 15.60	---	---	PASS
				Peak	5925.000	-37.23	≤ 10.00	- - -	- - -	PASS
11AC80SI SO	Ant	Low	5775	Peak	5650.000	-37.613	≤ 27.00	---	---	PASS
				Peak	5700.000	-34.91	≤ 10.00	---	---	PASS
				Peak	5720.000	-28.86	≤ 15.60	---	---	PASS
				Peak	5725.000	-27.05	≤ 27.00	- - -	- - -	PASS
		High	5775	Peak	5850.000	-36.104	≤ 15.60	---	---	PASS
				Peak	5855.000	-34.81	≤ 27.00	---	---	PASS
				Peak	5875.000	-35.21	≤ 15.60	---	---	PASS
				Peak	5925.000	-37.38	≤ 10.00	- - -	- - -	PASS

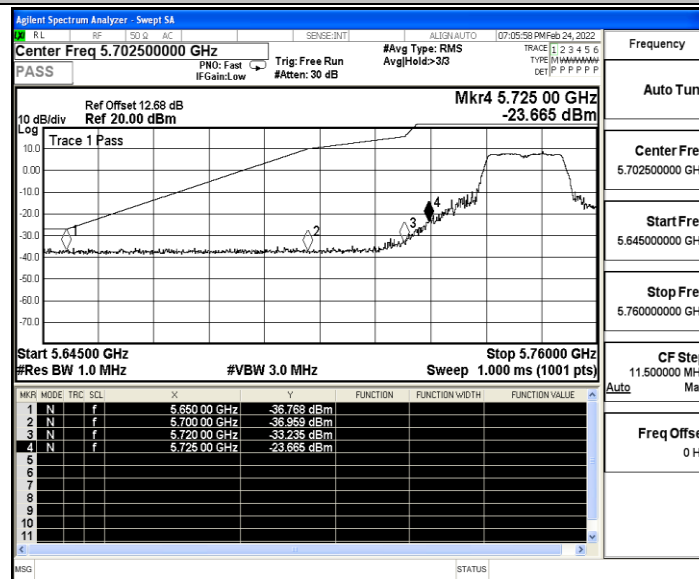
Note:

1. The Antenna Gain is compensated in the graph.

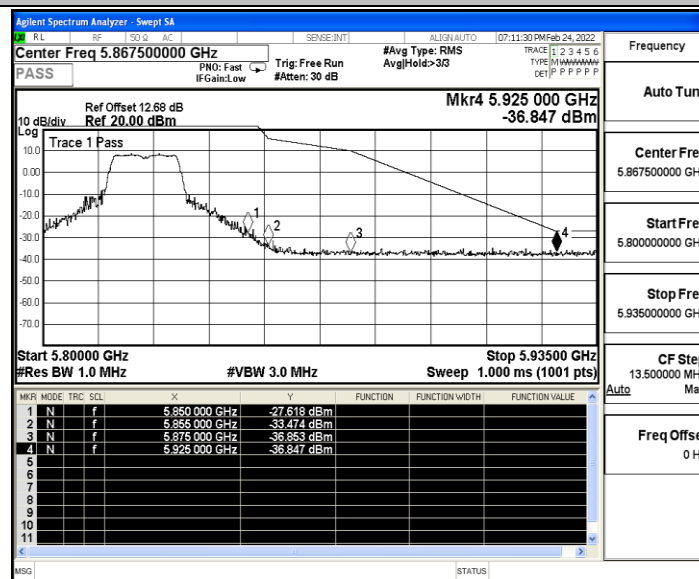


Test Graphs

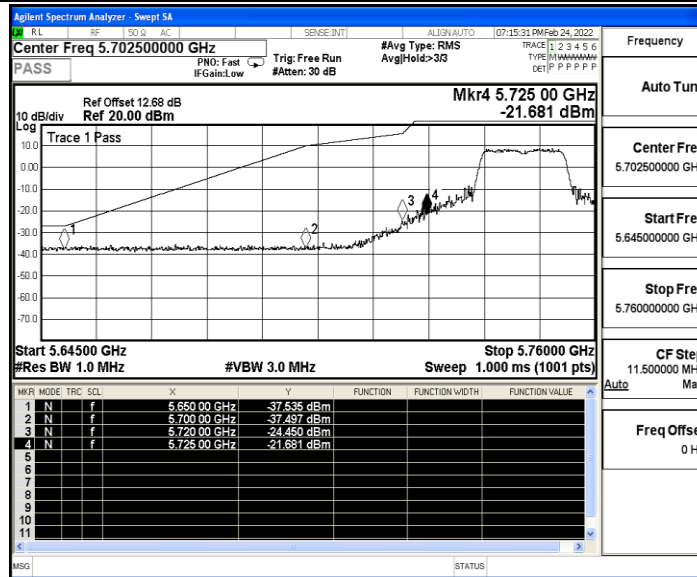
11A_Ant_Low_5745_Peak



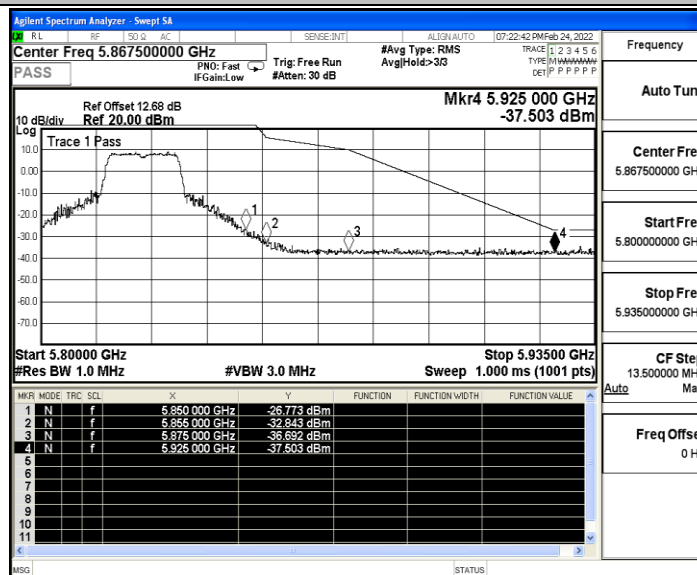
11A_Ant_High_5825_Peak



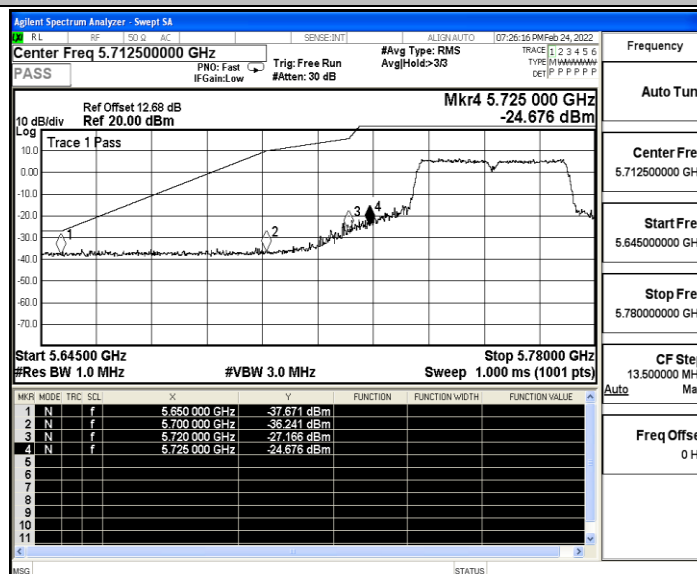
11N20SISO_Ant_Low_5745_Peak



11N20SISO_Ant_High_5825_Peak

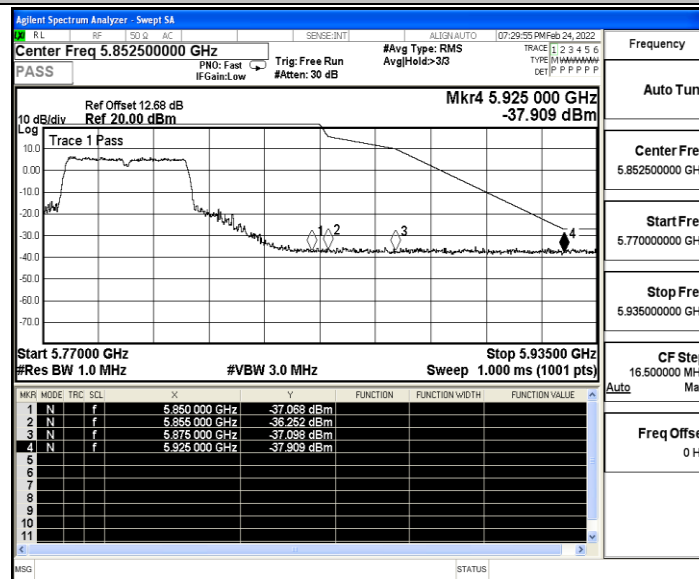


11N40SISO_Ant_Low_5755_Peak

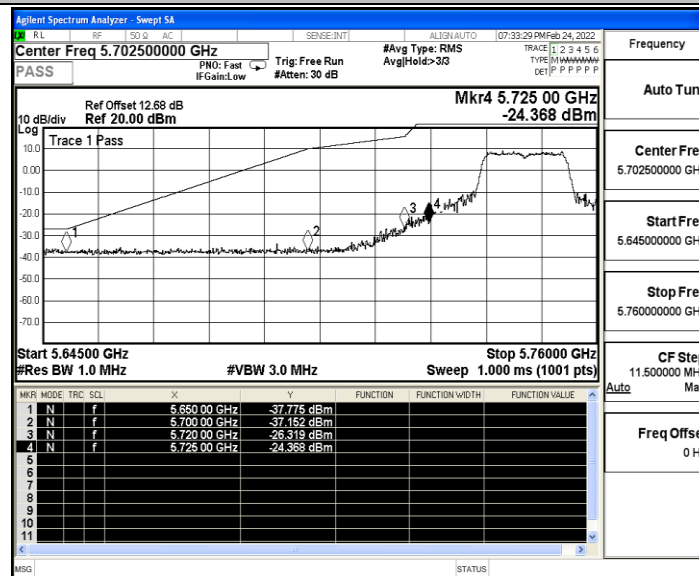




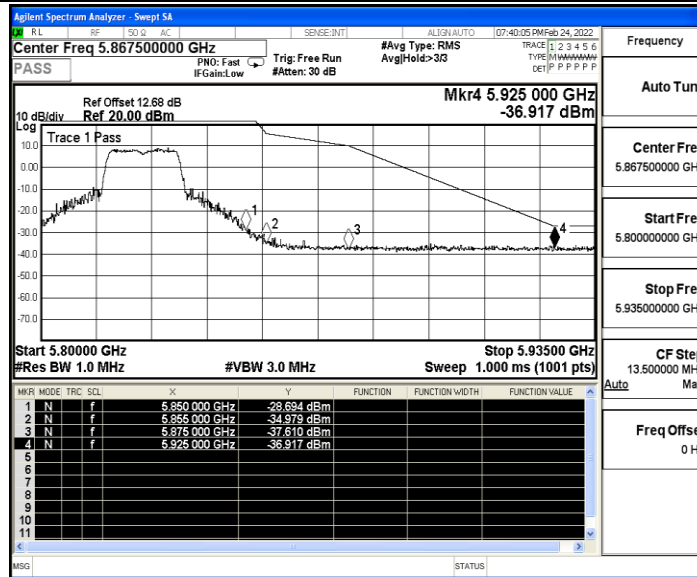
11N40SISO_Ant_High_5795_Peak



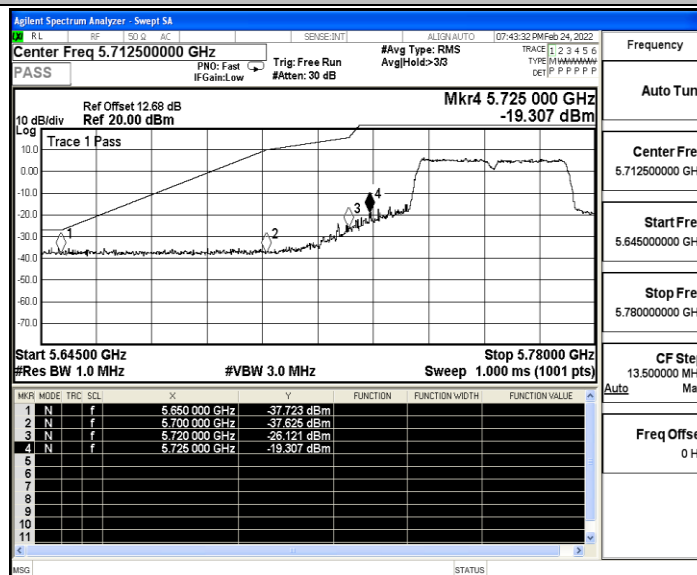
11AC20SISO_Ant_Low_5745_Peak



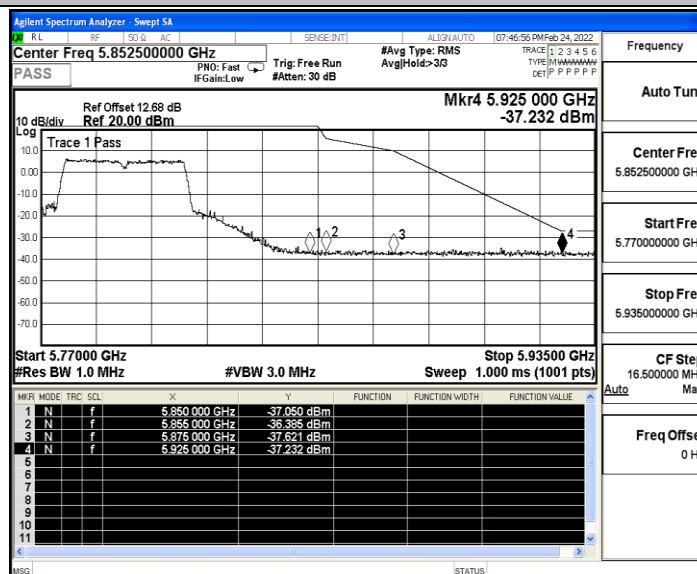
11AC20SISO_Ant_High_5825_Peak



11AC40SISO_Ant_Low_5755_Peak

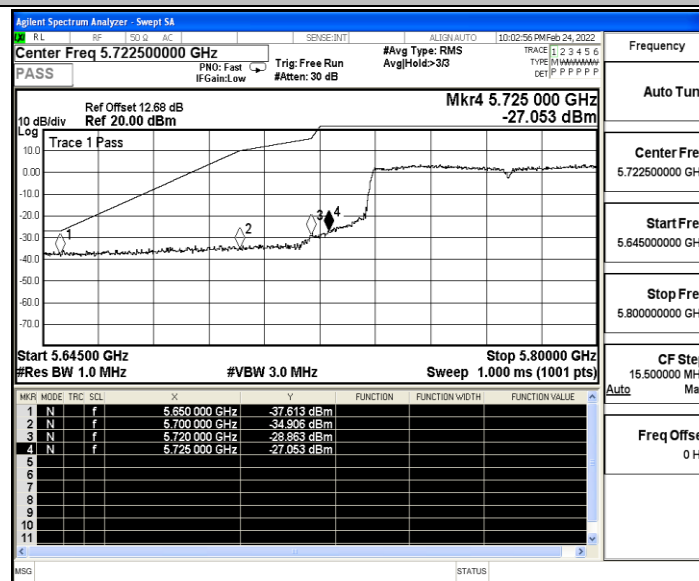


11AC40SISO_Ant_High_5795_Peak

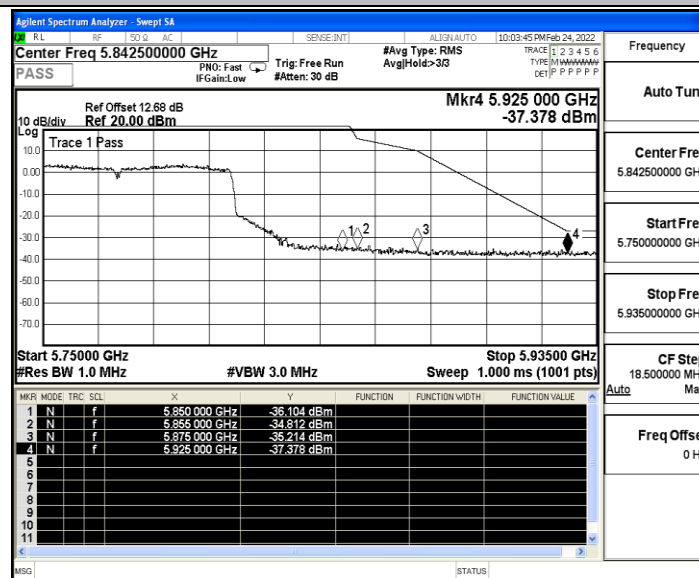




11AC80SISO_Ant_Low_5775_Peak



11AC80SISO_Ant_High_5775_Peak





G.5 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant	5745	1.54	1.54	100	---	---
		5785	1.54	1.54	100	---	---
		5825	1.54	1.54	100	---	---
11N20SISO	Ant	5745	1.32	1.32	100	---	---
		5785	1.32	1.32	100	---	---
		5825	1.33	1.33	100	---	---
11N40SISO	Ant	5755	0.73	0.73	100	---	---
		5795	0.73	0.73	100	---	---
11AC20SISO	Ant	5745	1.33	1.33	100	---	---
		5785	1.33	1.33	100	---	---
		5825	1.33	1.33	100	---	---
11AC40SISO	Ant	5755	0.74	0.74	100	---	---
		5795	0.74	0.74	100	---	---
11AC80SISO	Ant	5775	0.43	0.43	100	---	---