



Appendix E

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: Laser Projection TV

Test Model: MaxAngel M1

Environmental Conditions

Temperature:	22.7℃
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	 Bill Zhu
Supervised by:	 Li Huan



E.1 Min emission bandwidth

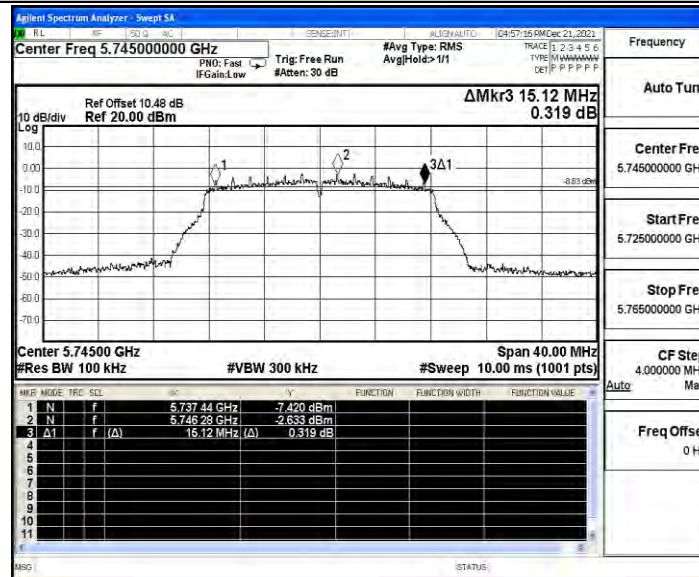
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant0	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.040	5777.480	5792.520	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N40SISO	Ant0	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant0	5745	14.960	5737.560	5752.520	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11AC40SISO	Ant0	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant0	5775	75.520	5737.080	5812.600	0.5	PASS

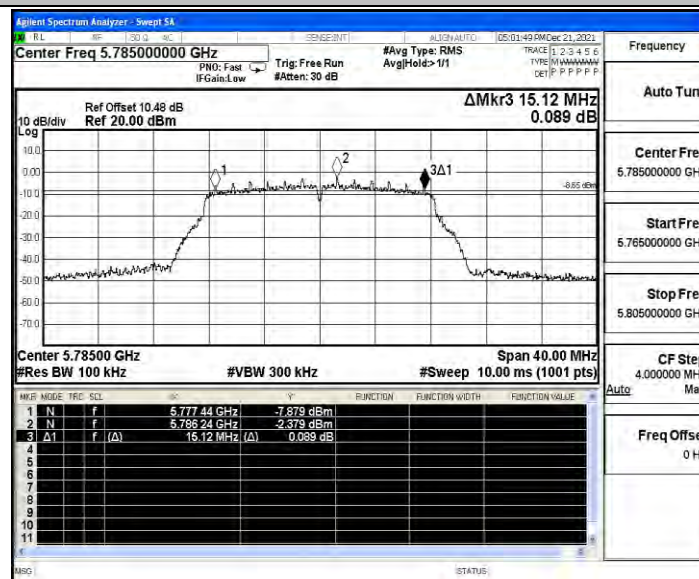


Test Graphs

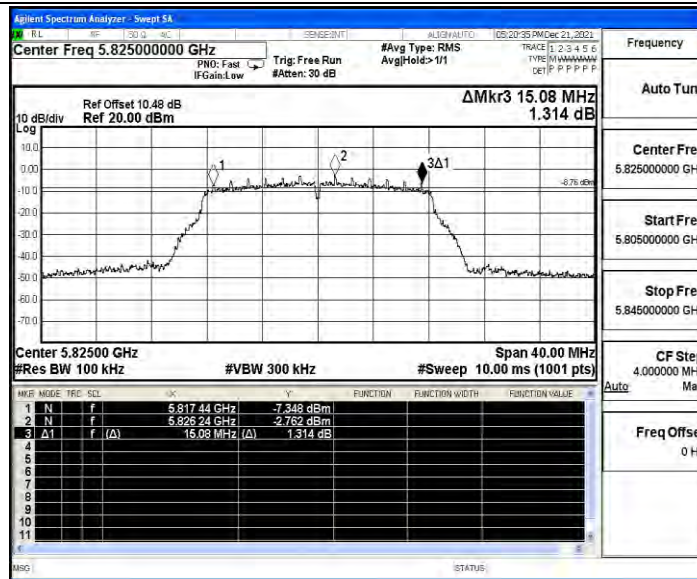
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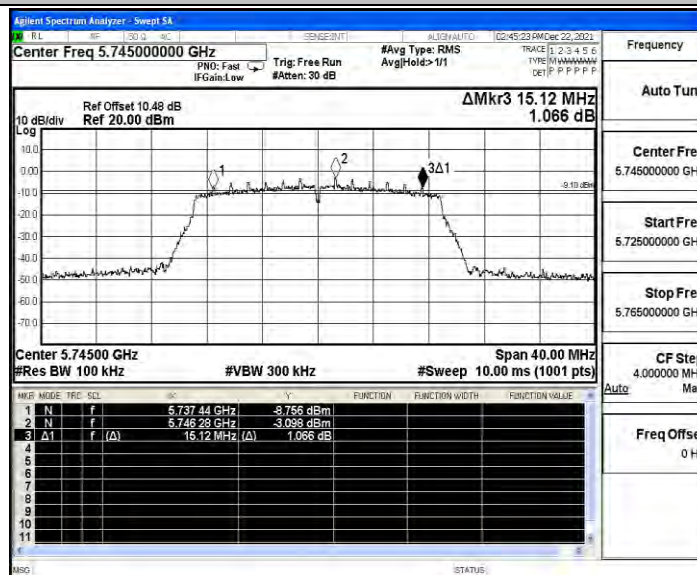
11A_Ant0_5785



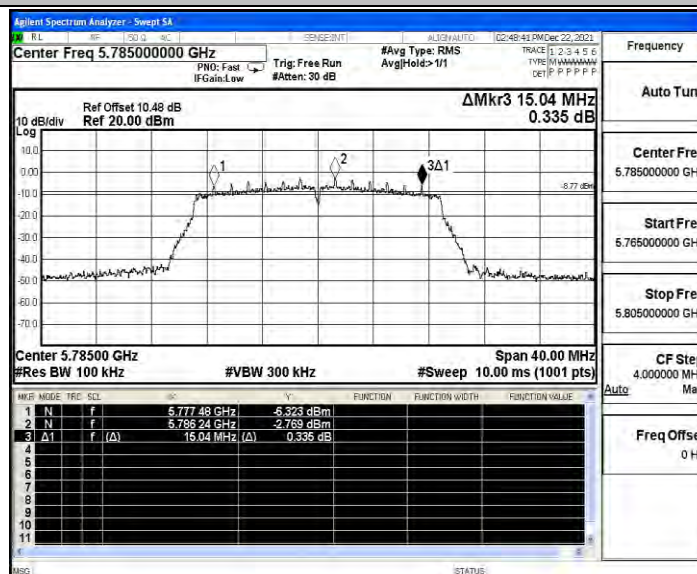
11A_Ant0_5825



11N20SISO_Ant0_5745

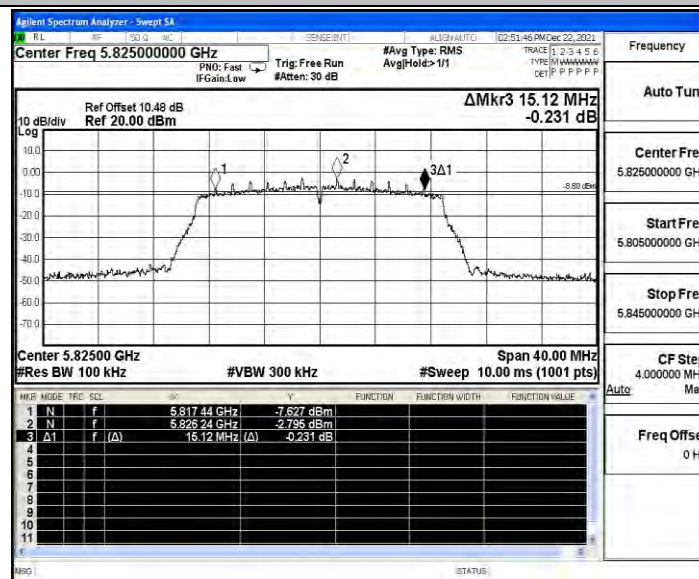


11N20SISO_Ant0_5785

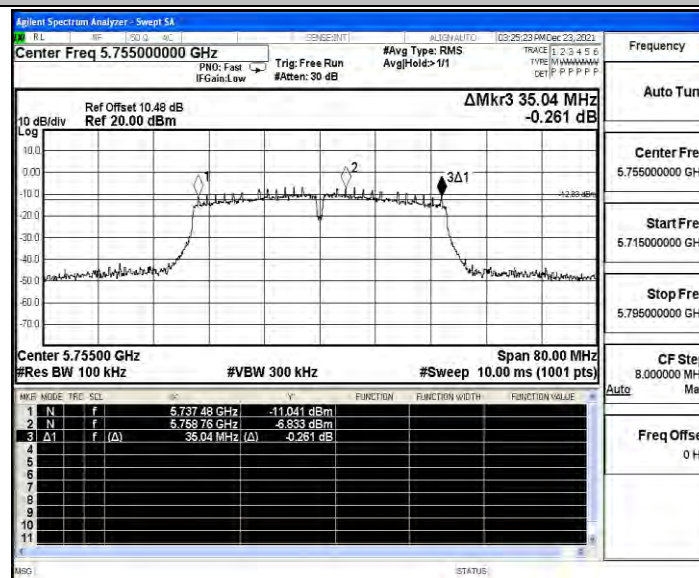




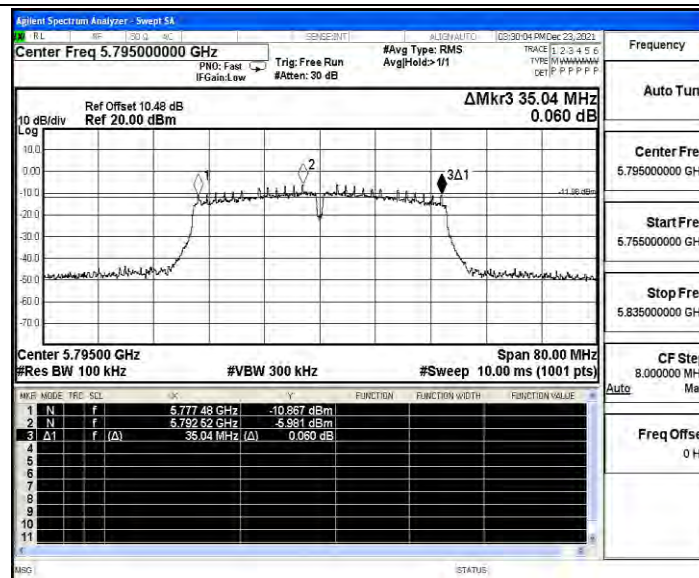
11N20SISO_Ant0_5825



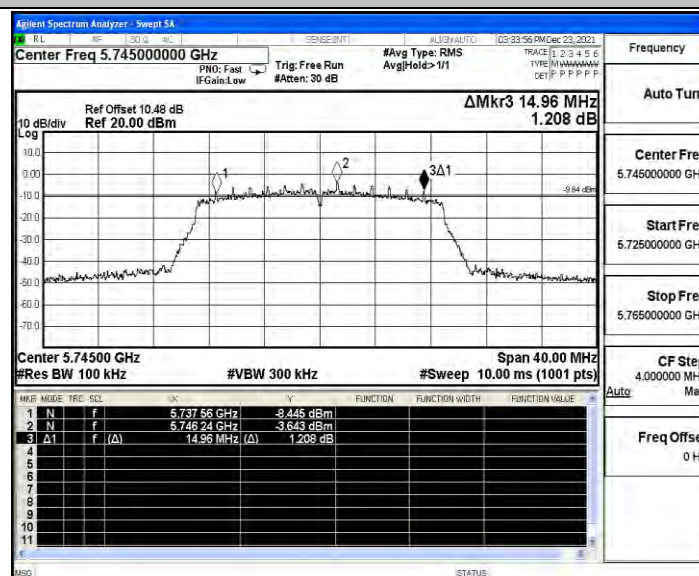
11N40SISO_Ant0_5755



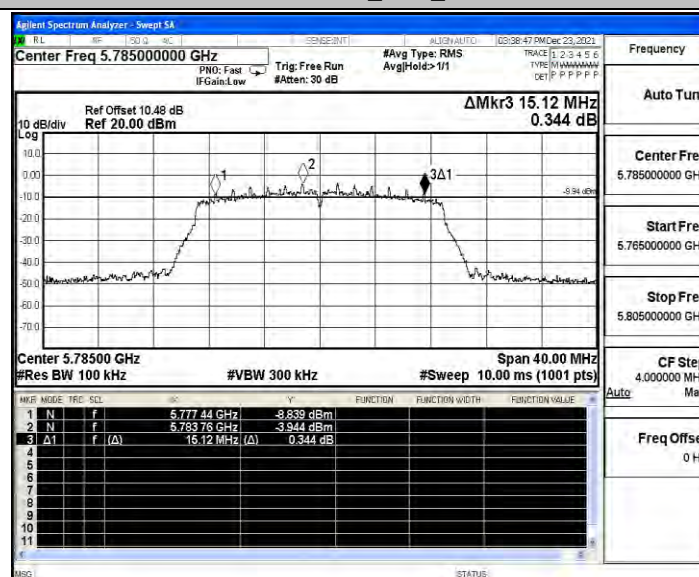
11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745

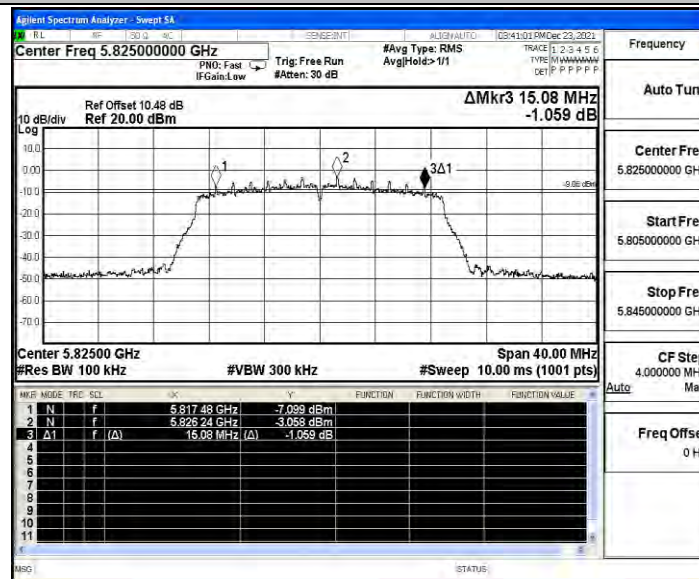


11AC20SISO_Ant0_5785

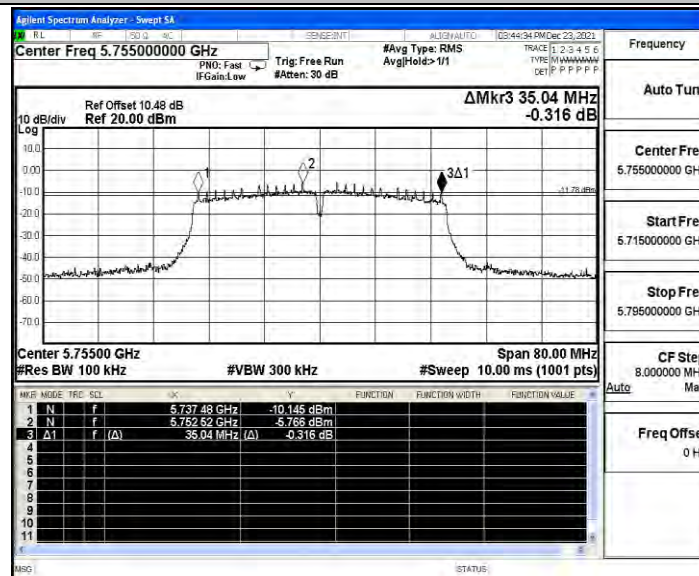




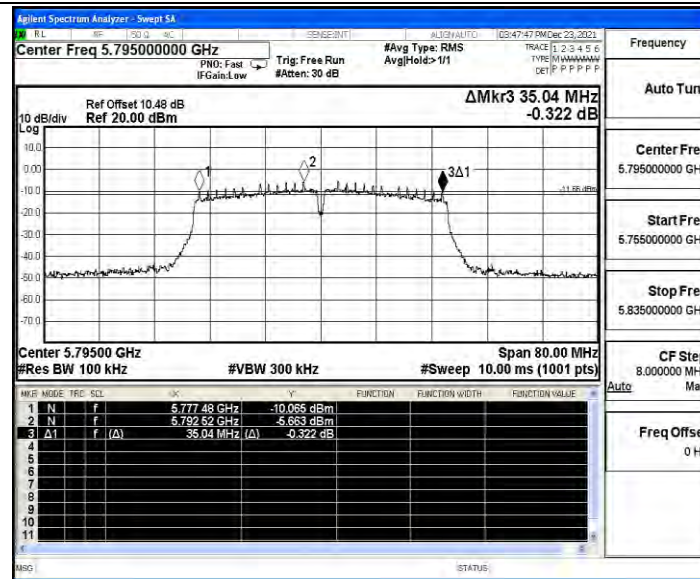
11AC20SISO_Ant0_5825



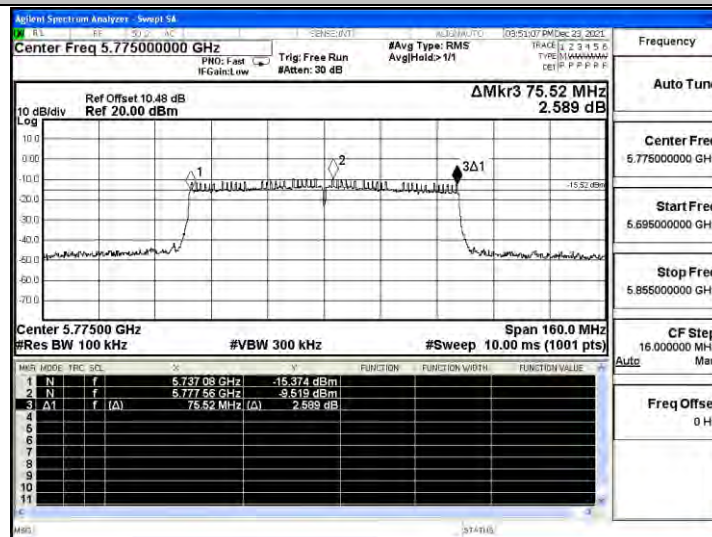
11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775





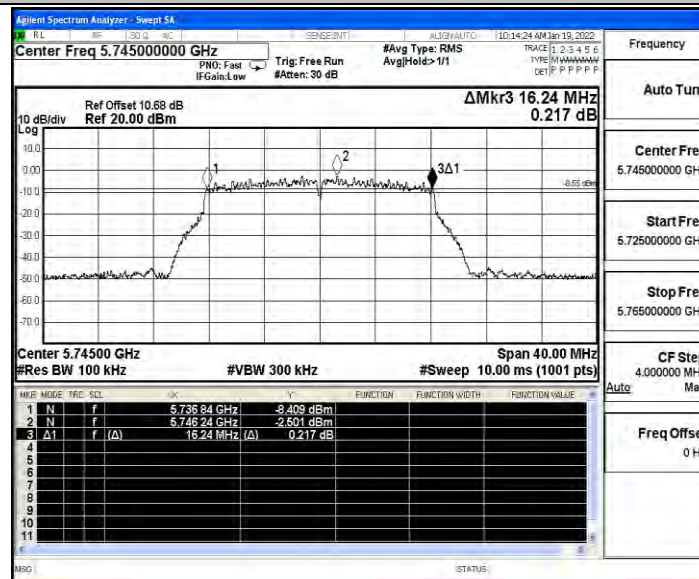
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.240	5736.840	5753.080	0.5	PASS
		5785	15.960	5776.880	5792.840	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.560	5736.880	5753.440	0.5	PASS
		5785	16.520	5776.920	5793.440	0.5	PASS
		5825	16.560	5816.520	5833.080	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	16.560	5736.880	5753.440	0.5	PASS
		5785	16.560	5776.880	5793.440	0.5	PASS
		5825	16.960	5816.480	5833.440	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

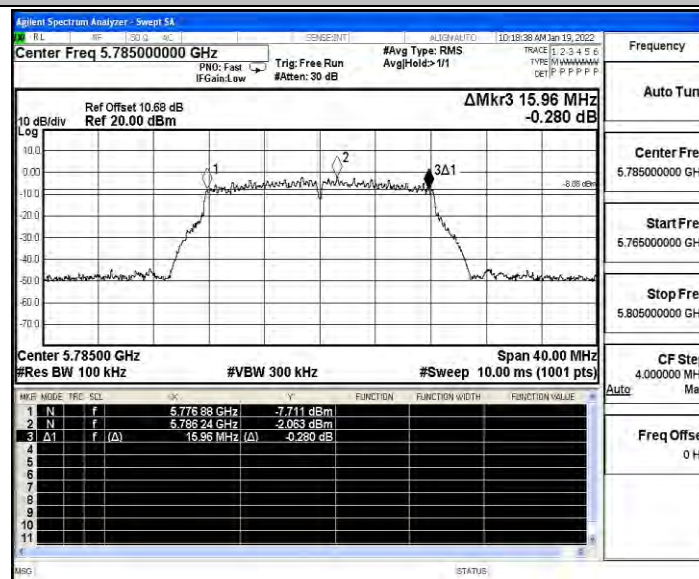


Test Graphs

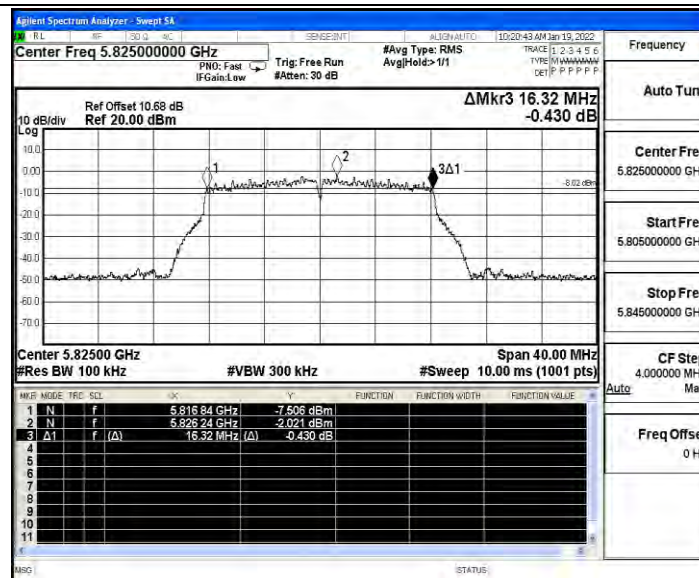
11A_Ant1_5745



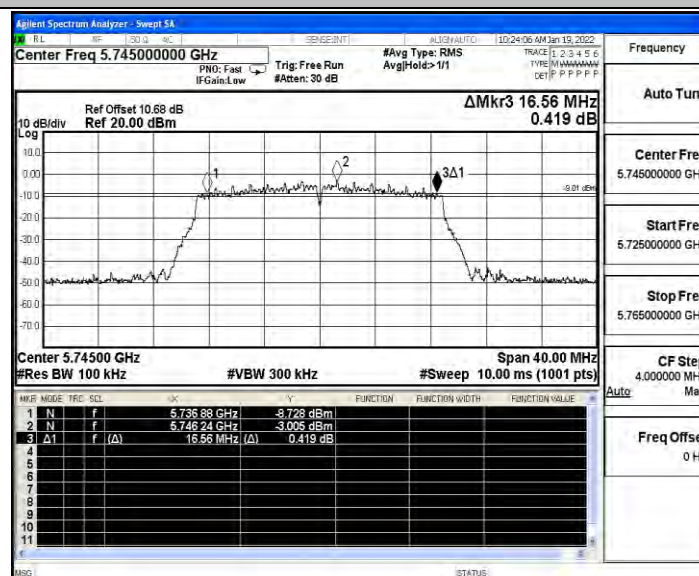
11A_Ant1_5785



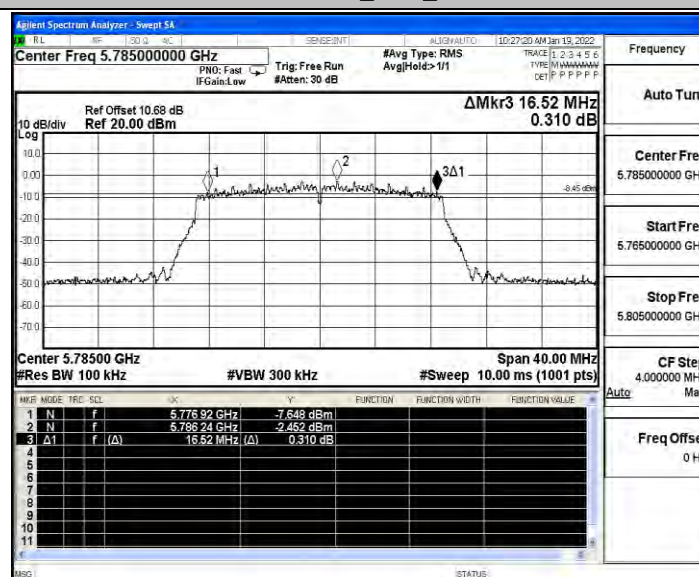
11A_Ant1_5825



11N20SISO_Ant1_5745

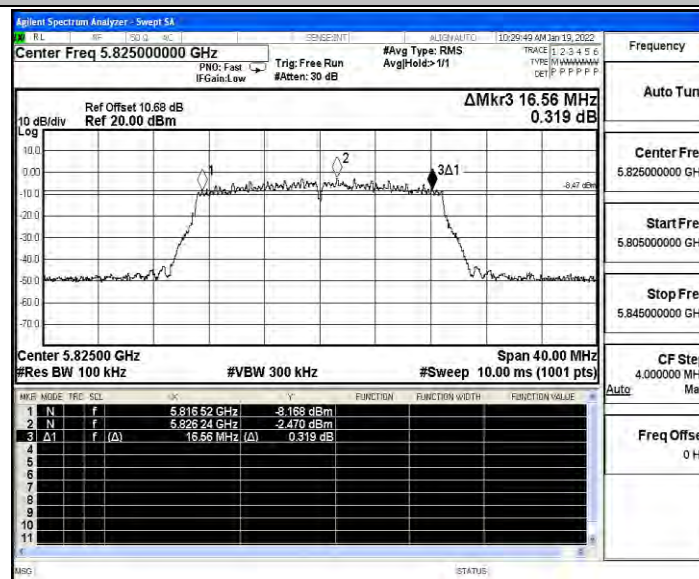


11N20SISO_Ant1_5785

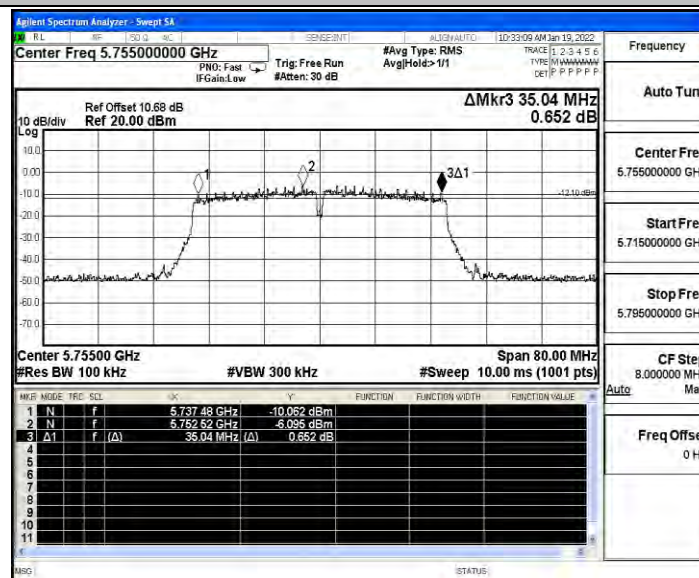




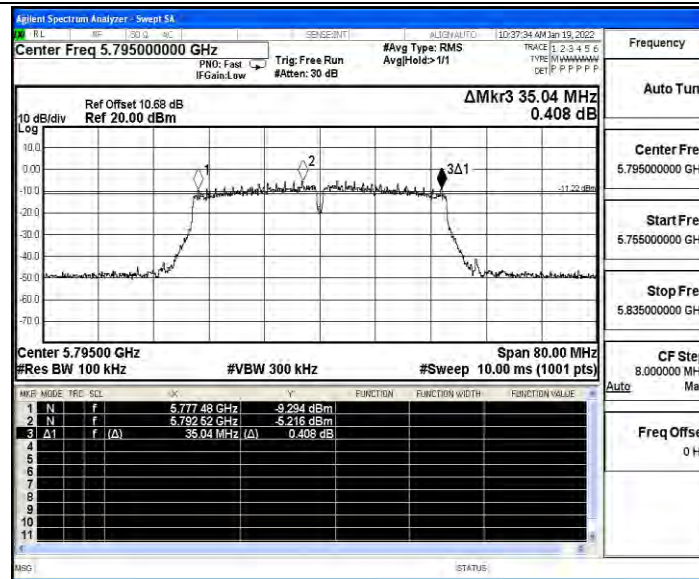
11N20SISO_Ant1_5825



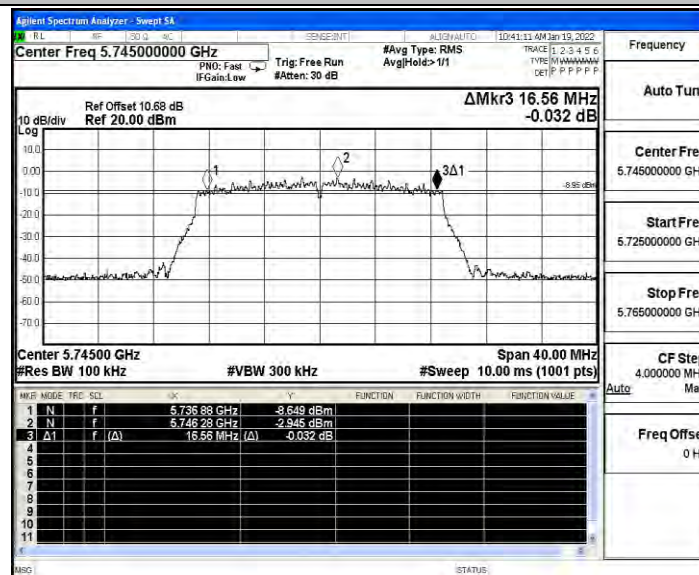
11N40SISO_Ant1_5755



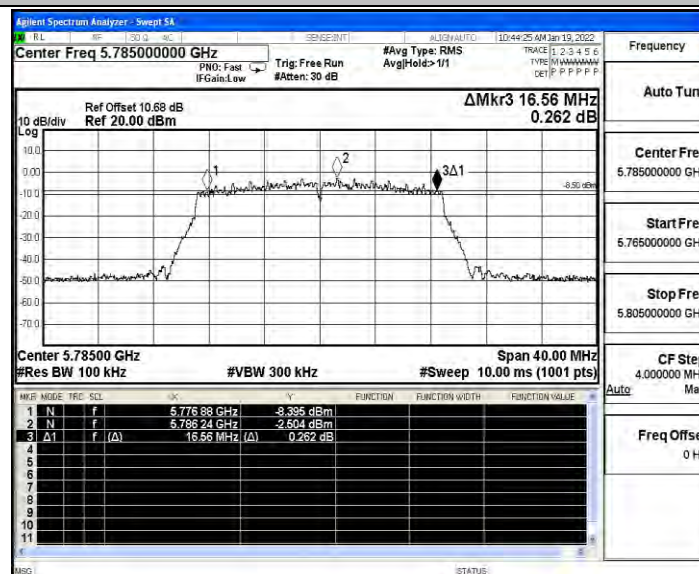
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

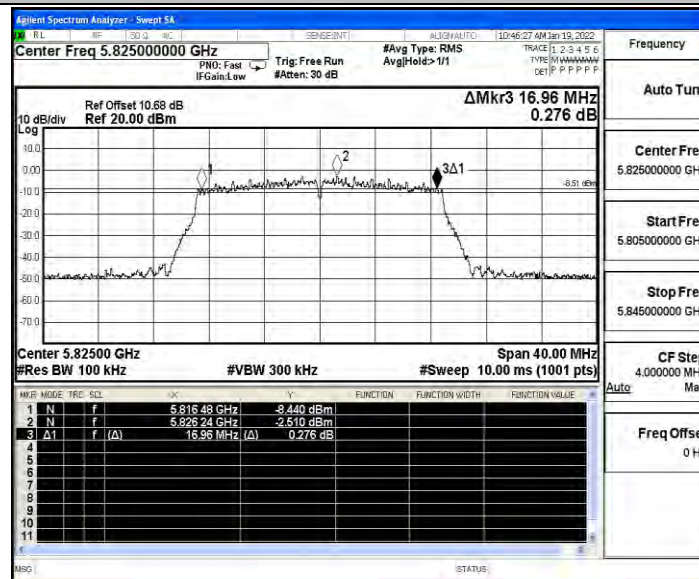


11AC20SISO_Ant1_5785

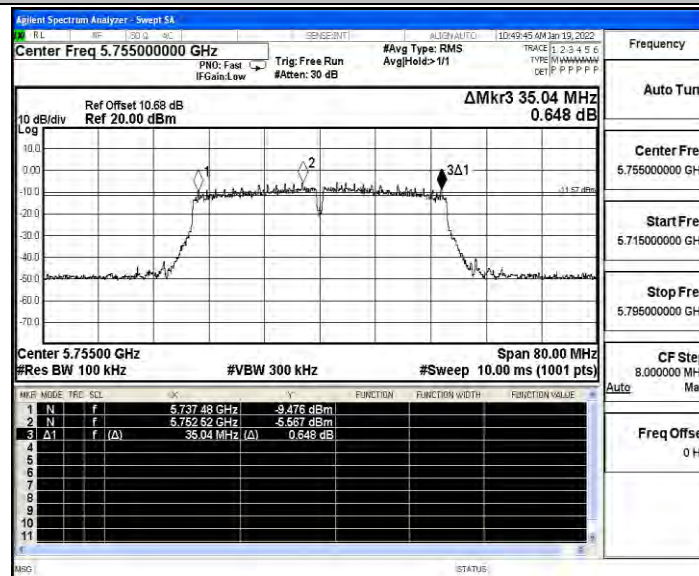




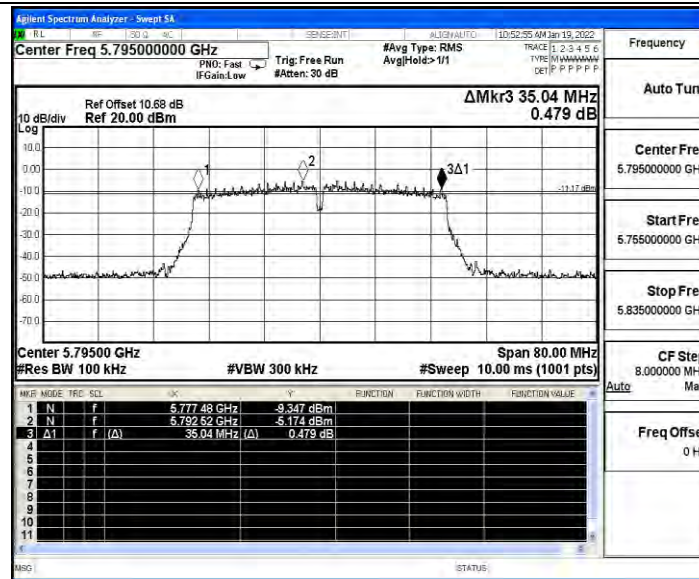
11AC20SISO_Ant1_5825



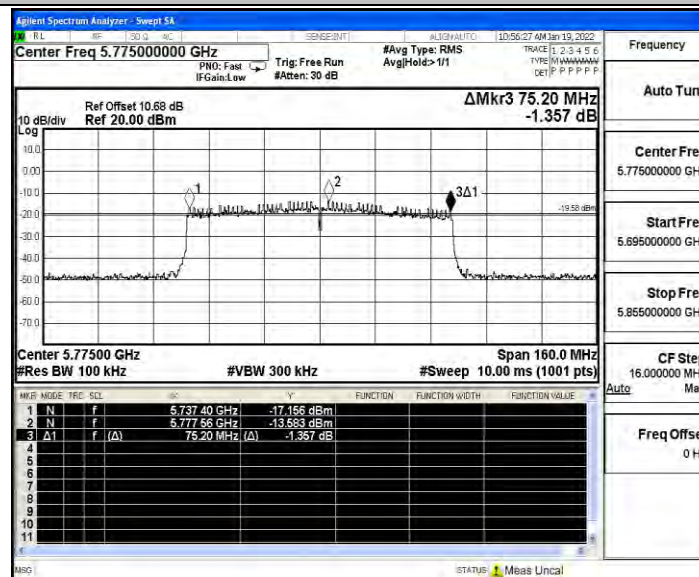
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.2 Maximum conducted output power

Test Result

TestMode	Channel	Result[dBm]			Limit[dBm]	Verdict
		Ant 0	Ant 1	MIMO		
11A	5745	8.17	7.84	/	≤30.00	PASS
	5785	7.83	8.50	/	≤30.00	PASS
	5825	7.78	8.34	/	≤30.00	PASS
11N20SISO	5745	7.18	7.43	10.32	≤30.00	PASS
	5785	7.48	8.05	10.78	≤30.00	PASS
	5825	7.33	8.01	10.69	≤30.00	PASS
11N40SISO	5755	6.47	7.47	10.01	≤30.00	PASS
	5795	6.81	8.02	10.47	≤30.00	PASS
11AC20SISO	5745	6.39	7.40	9.93	≤30.00	PASS
	5785	6.76	7.75	10.29	≤30.00	PASS
	5825	7.21	8.03	10.65	≤30.00	PASS
11AC40SISO	5755	7.16	7.84	10.52	≤30.00	PASS
	5795	7.36	7.77	10.58	≤30.00	PASS
11AC80SISO	5775	6.28	8.48	10.53	≤30.00	PASS

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



E.3 Maximum power spectral density

Test Result

TestMode	Channel	Result [dBm/500KHz]			Limit[dBm/500KHz]	Verdict
		Ant 0	Ant 1	MIMO		
11A	5745	-5.21	-5.18	/	≤30.00	PASS
	5785	-5.28	-4.46	/	≤30.00	PASS
	5825	-5.32	-4.37	/	≤30.00	PASS
11N20SISO	5745	-6.19	-5.41	-2.77	≤30.00	PASS
	5785	-6.06	-4.77	-2.36	≤30.00	PASS
	5825	-6.06	-4.81	-2.38	≤30.00	PASS
11N40SISO	5755	-9.87	-8.45	-6.09	≤30.00	PASS
	5795	-9.42	-7.64	-5.43	≤30.00	PASS
11AC20SISO	5745	-6.79	-5.53	-3.10	≤30.00	PASS
	5785	-6.4	-5.06	-2.67	≤30.00	PASS
	5825	-5.92	-4.97	-2.41	≤30.00	PASS
11AC40SISO	5755	-9.13	-7.88	-5.45	≤30.00	PASS
	5795	-8.98	-8.07	-5.49	≤30.00	PASS
11AC80SISO	5775	-13.45	-9.97	-8.36	≤30.00	PASS

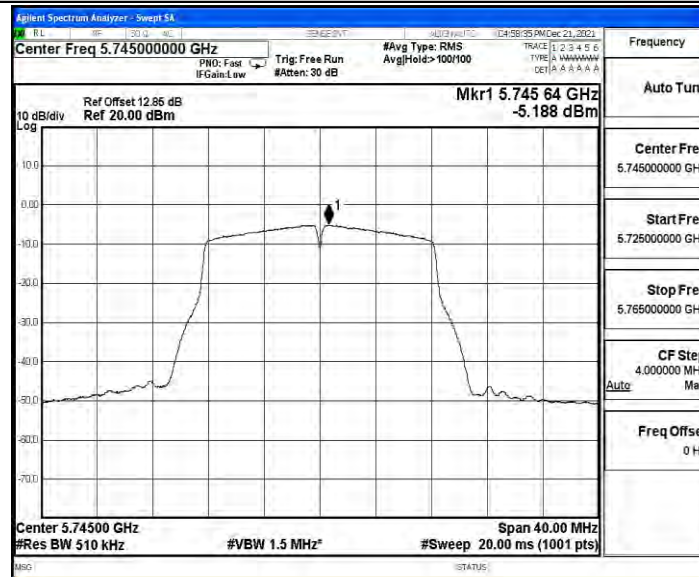
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

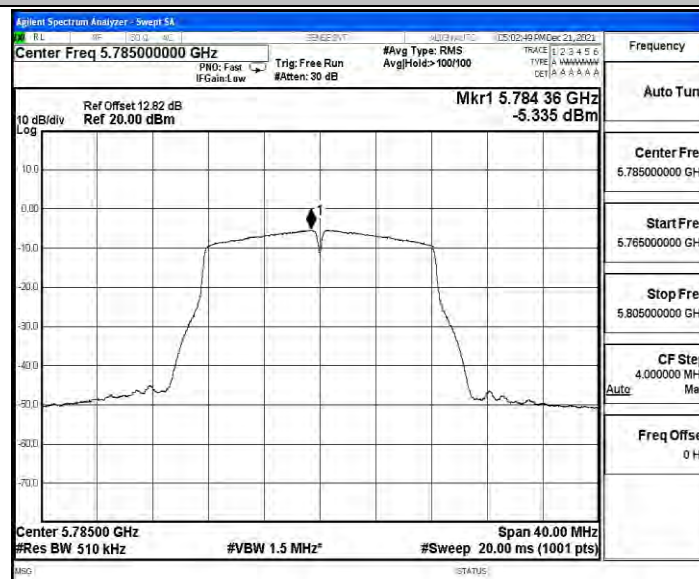


Test Graphs

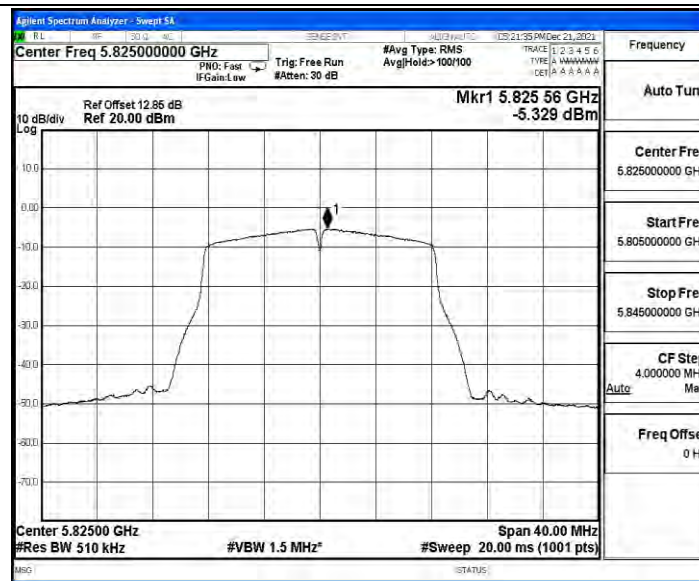
11A_Ant0_5745



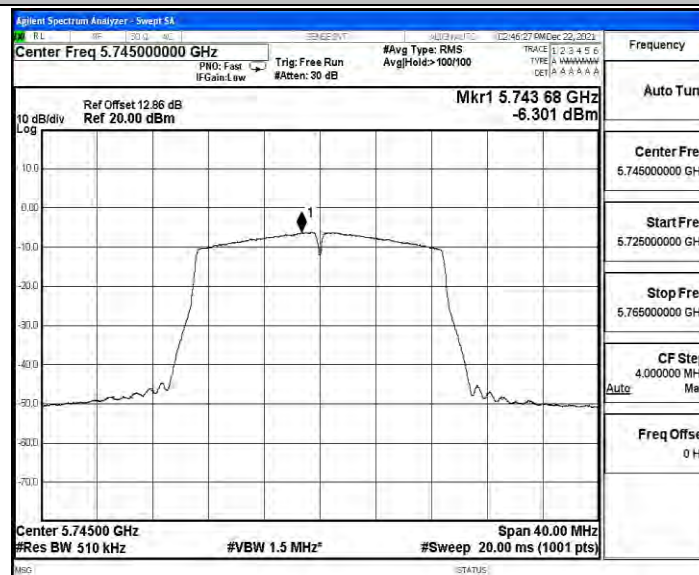
11A_Ant0_5785



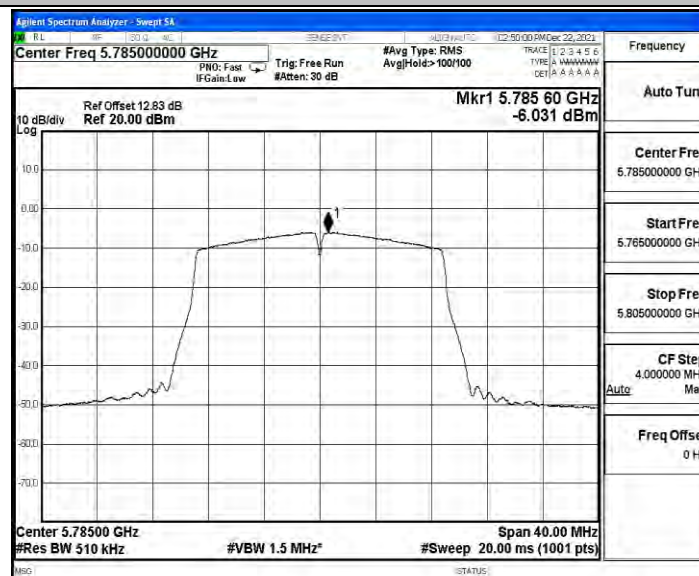
11A_Ant0_5825



11N20SISO_Ant0_5745

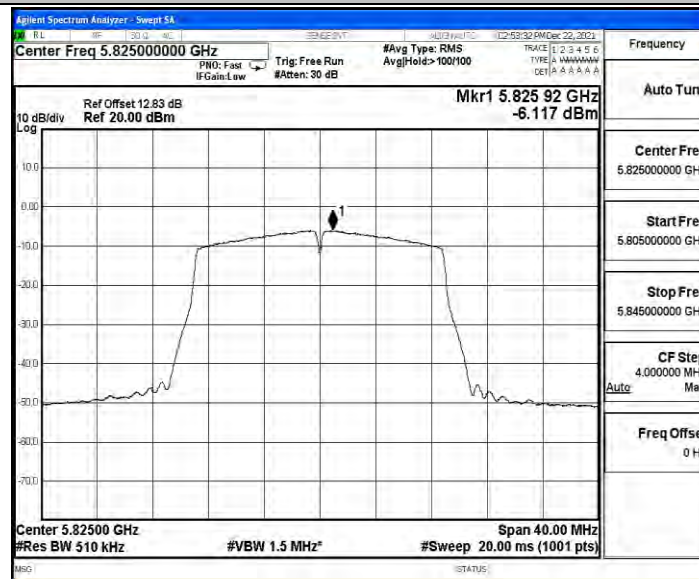


11N20SISO_Ant0_5785

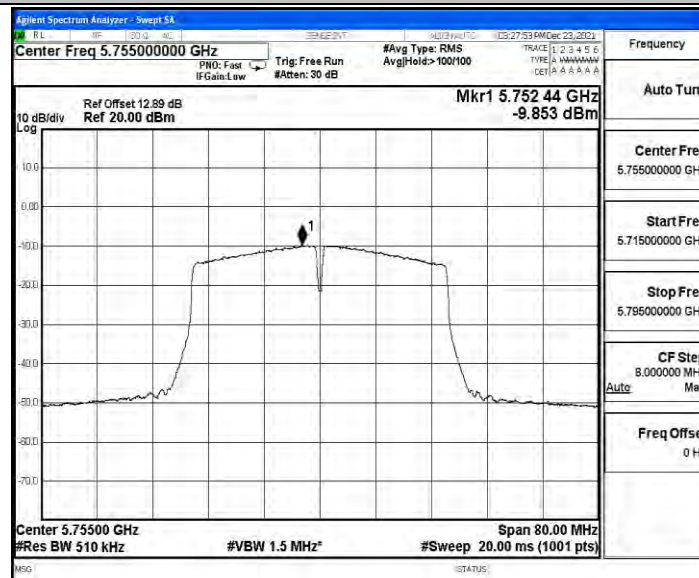




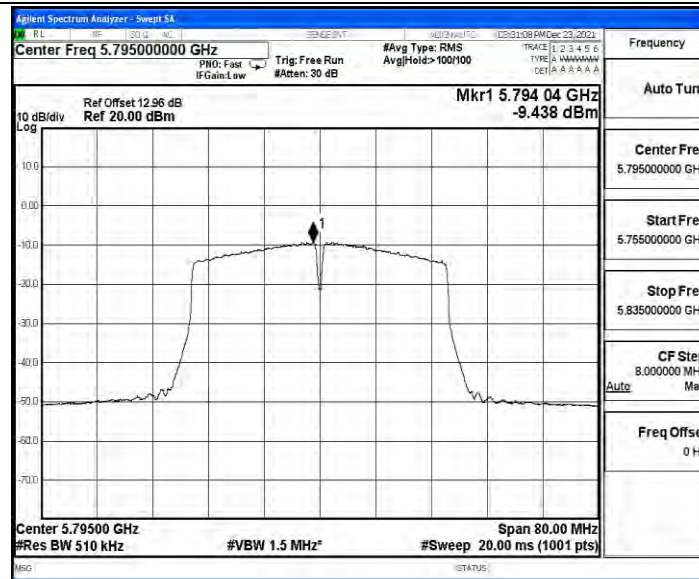
11N20SISO_Ant0_5825



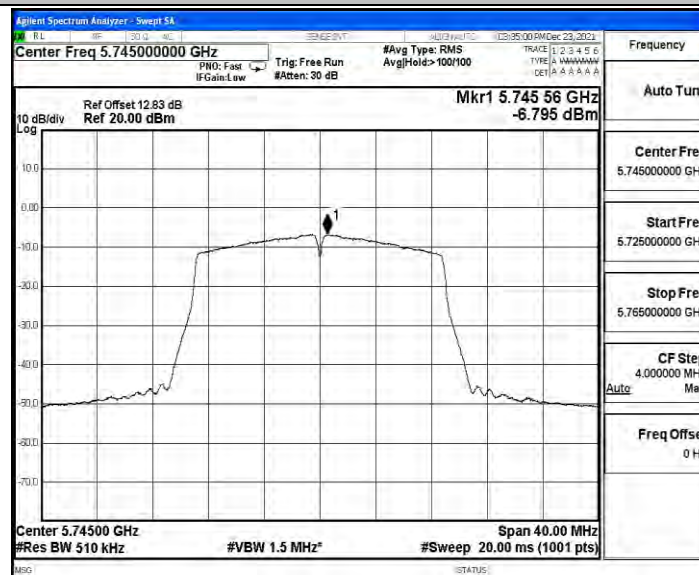
11N40SISO_Ant0_5755



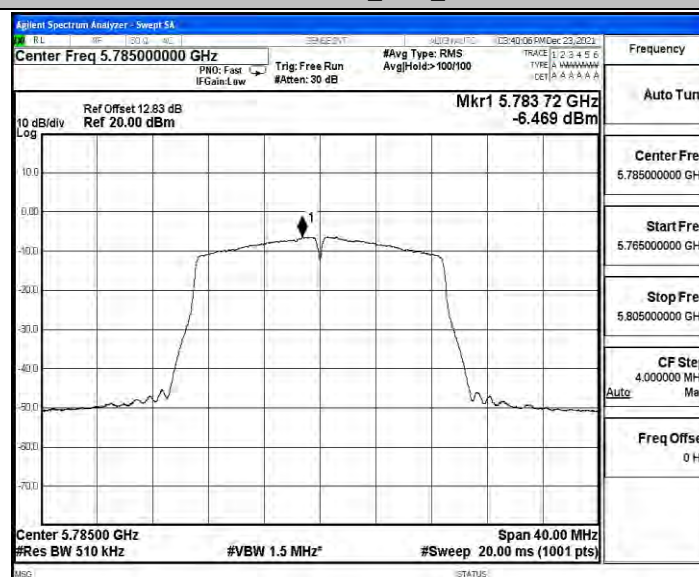
11N40SISO_Ant0_5795



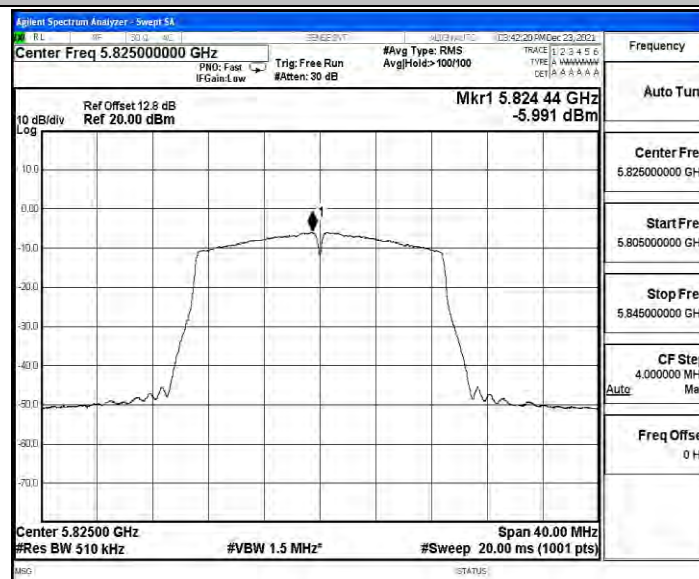
11AC20SISO_Ant0_5745



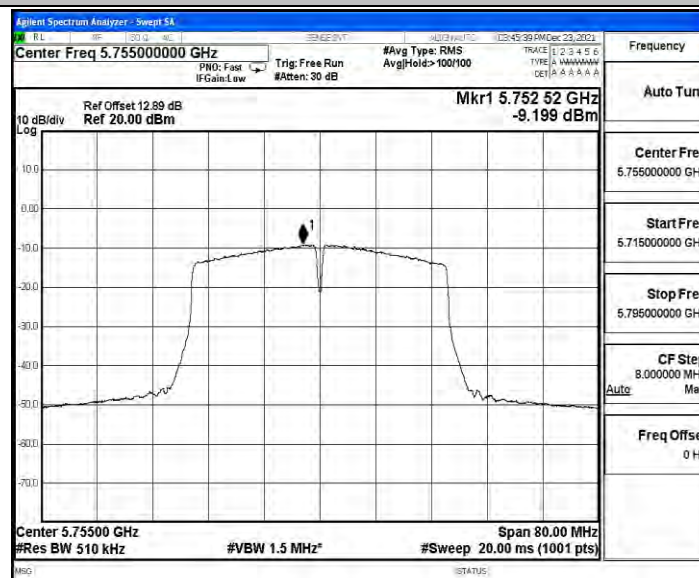
11AC20SISO_Ant0_5785



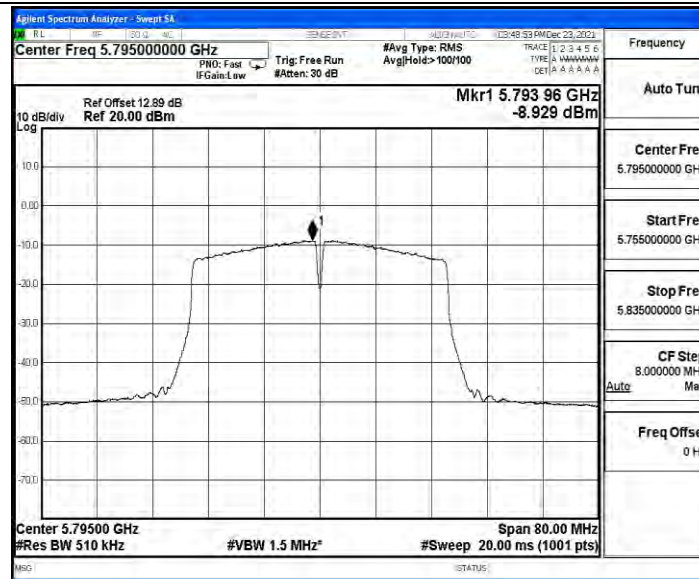
11AC20SISO_Ant0_5825



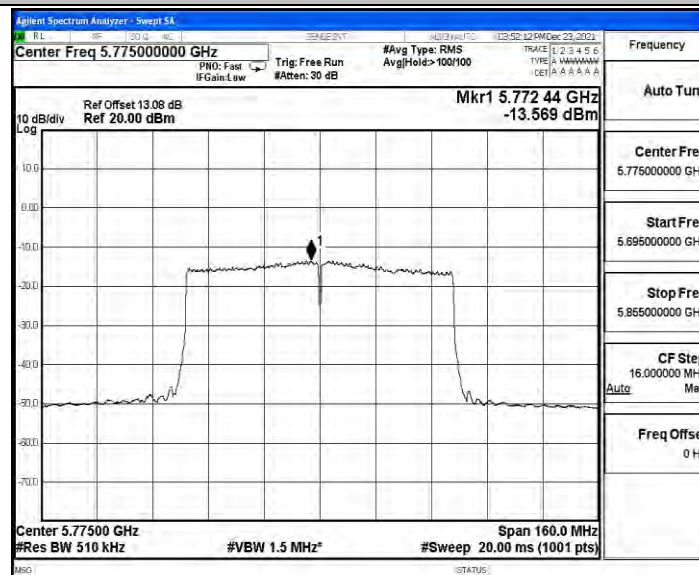
11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



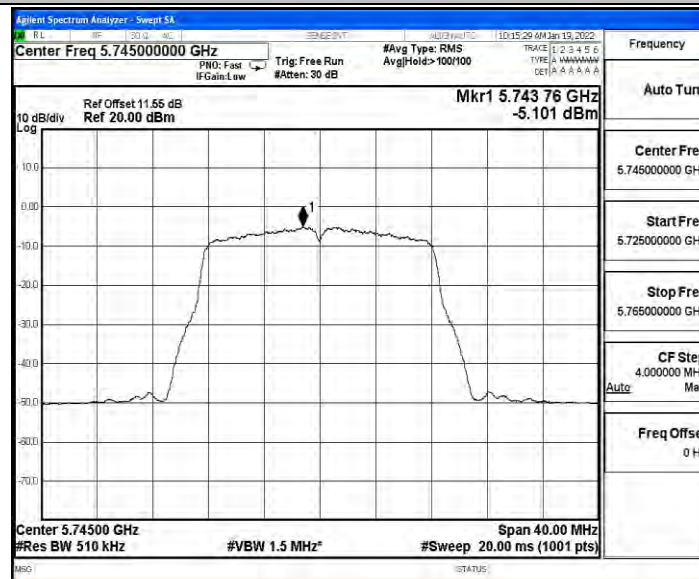
11AC80SISO_Ant0_5775



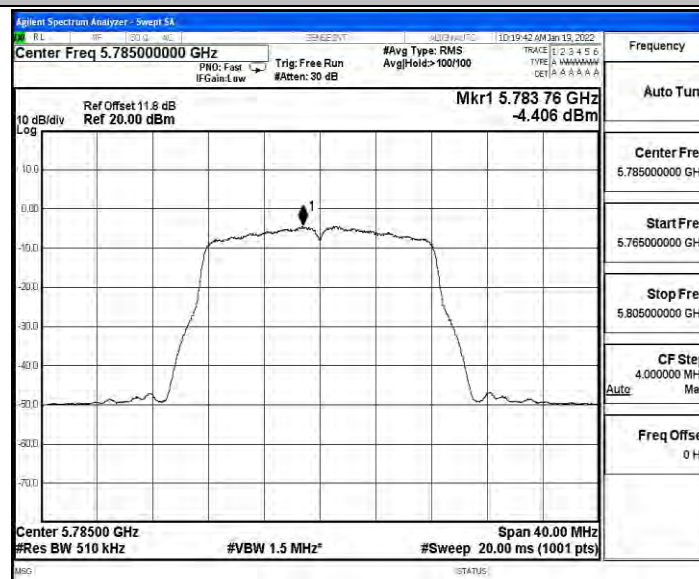


Test Graphs

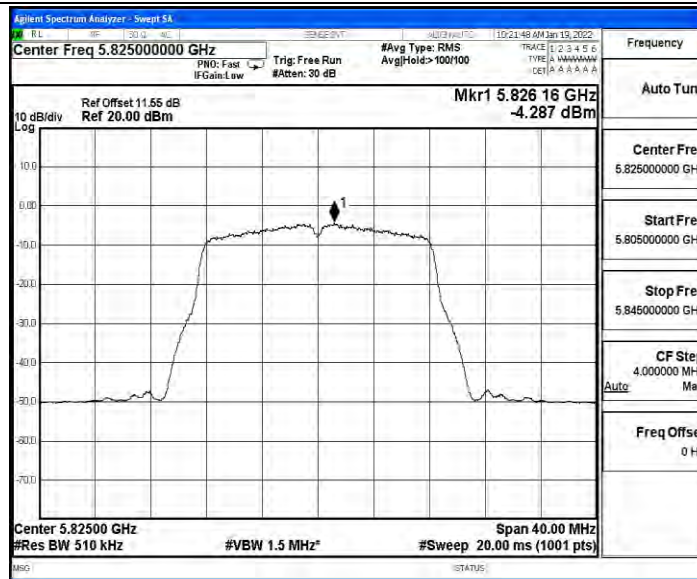
11A_Ant1_5745



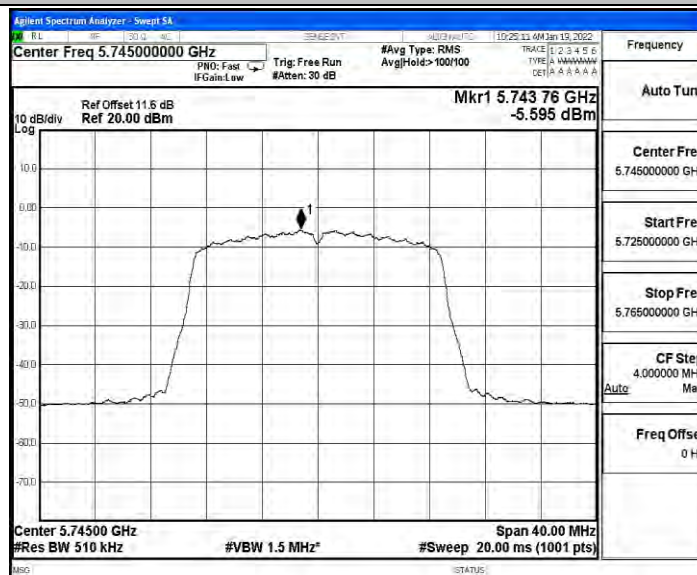
11A_Ant1_5785



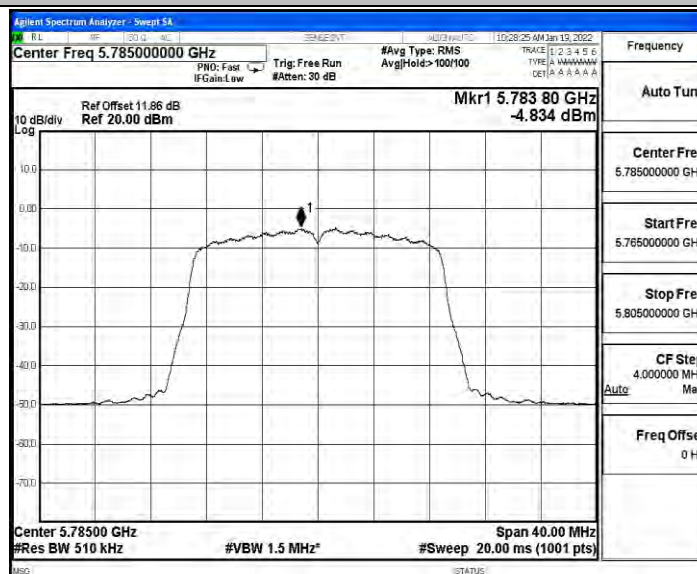
11A_Ant1_5825



11N20SISO_Ant1_5745

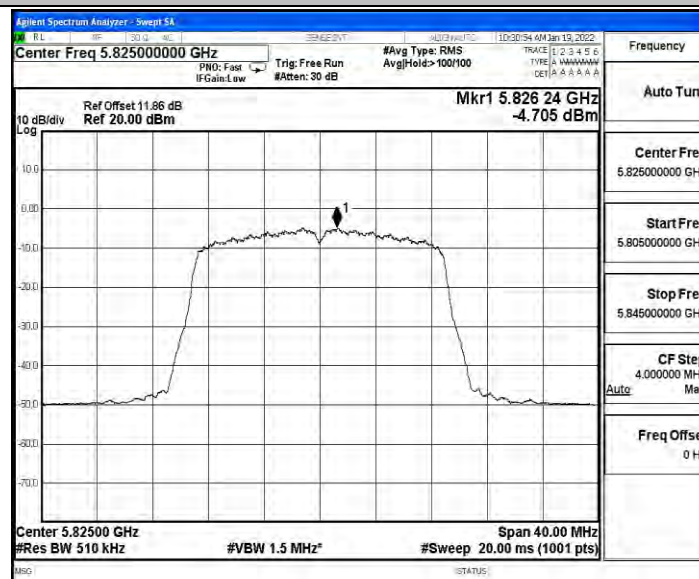


11N20SISO_Ant1_5785

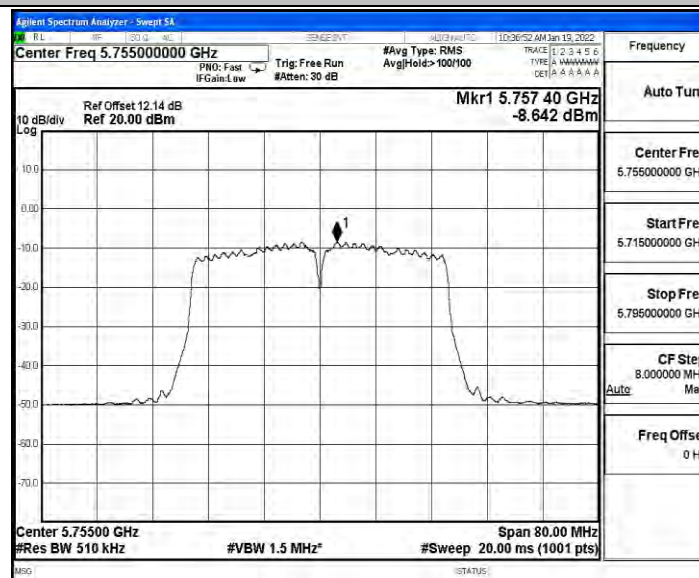




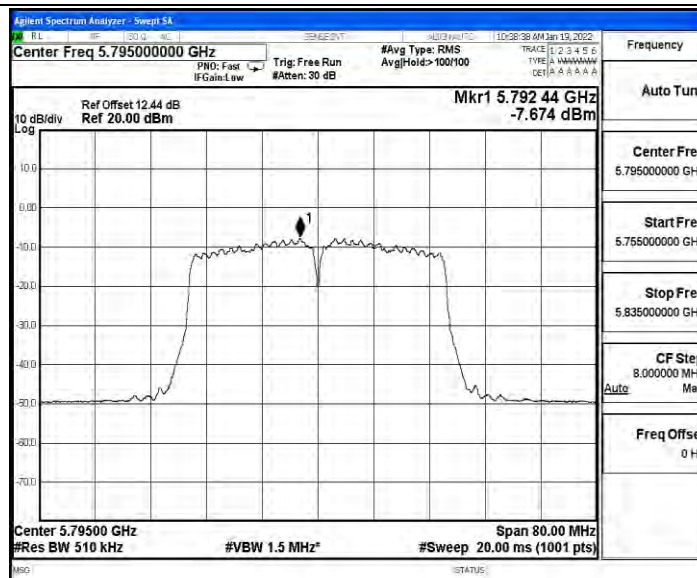
11N20SISO_Ant1_5825



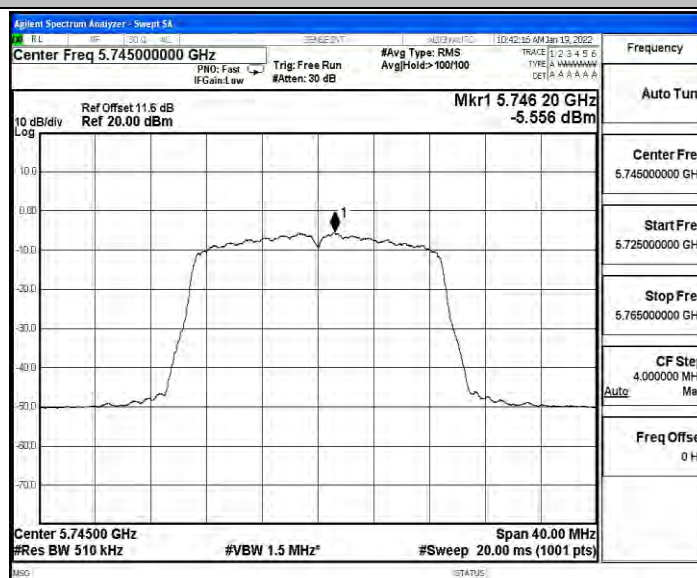
11N40SISO_Ant1_5755



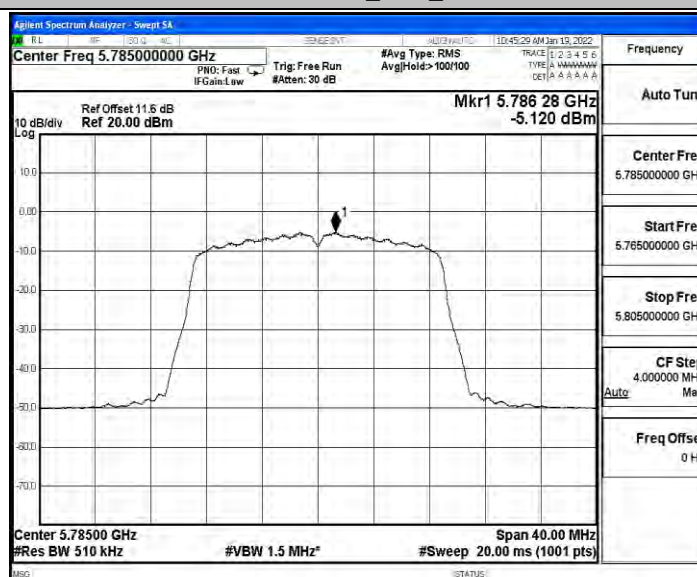
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

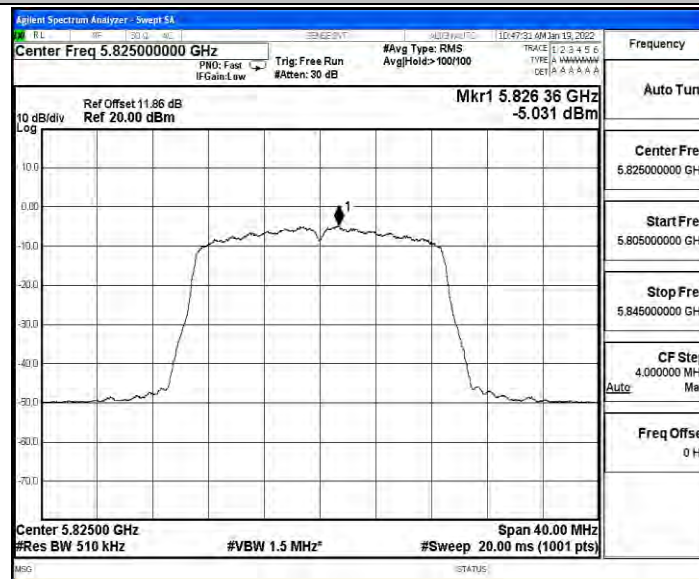


11AC20SISO_Ant1_5785

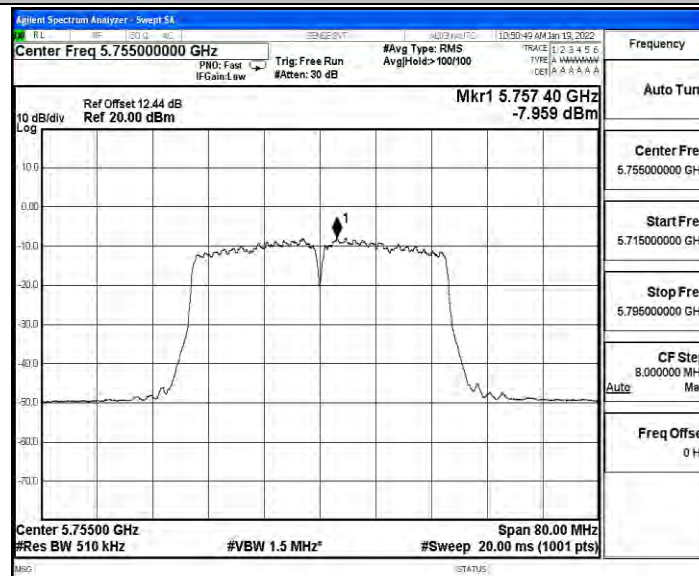




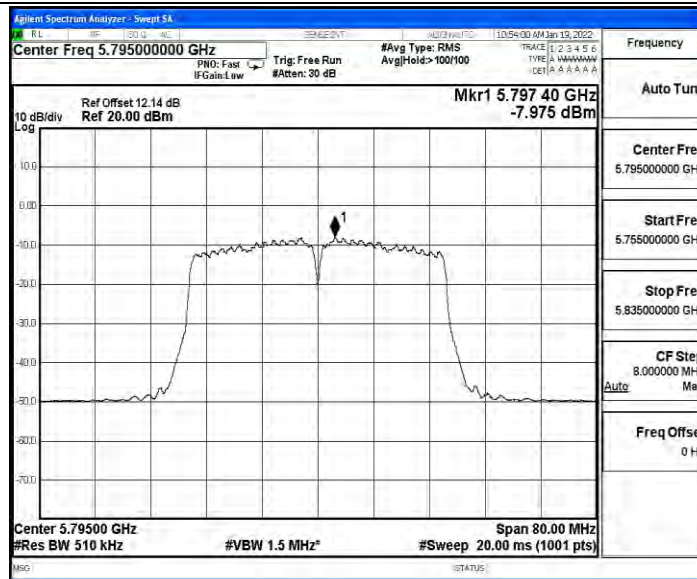
11AC20SISO_Ant1_5825



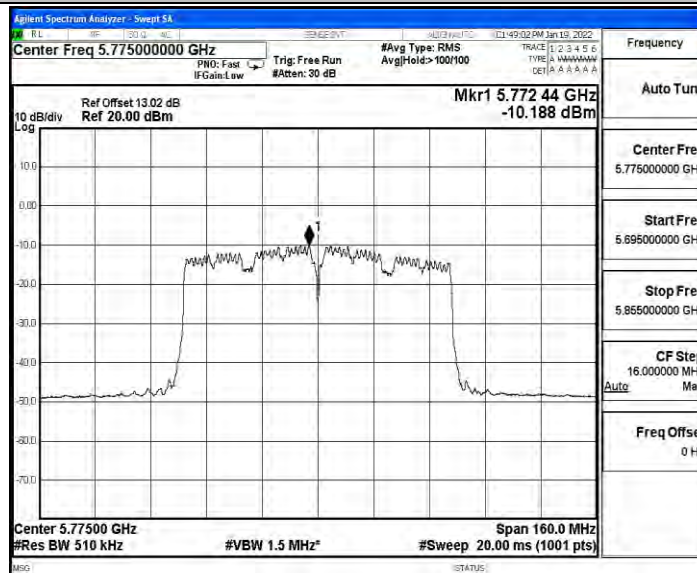
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.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	Ant0	Low	5745	Peak	5650.000	-46.383	≤-27.00	---	---	PASS
				Peak	5700.000	-44.65	≤10.00	---	---	PASS
				Peak	5720.000	-44.56	≤15.60	---	---	PASS
				Peak	5725.000	-38.39	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-42.781	≤15.60	---	---	PASS
				Peak	5855.000	-43.03	≤27.00	---	---	PASS
				Peak	5875.000	-44.72	≤15.60	---	---	PASS
				Peak	5925.000	-46.01	≤10.00	---	---	PASS
11N20SI SO	Ant0	Low	5745	Peak	5650.000	-45.547	≤-27.00	---	---	PASS
				Peak	5700.000	-45.23	≤10.00	---	---	PASS
				Peak	5720.000	-41.25	≤15.60	---	---	PASS
				Peak	5725.000	-40.18	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-41.54	≤15.60	---	---	PASS
				Peak	5855.000	-43.72	≤27.00	---	---	PASS
				Peak	5875.000	-44.9	≤15.60	---	---	PASS
				Peak	5925.000	-46.48	≤10.00	---	---	PASS
11N40SI SO	Ant0	Low	5755	Peak	5650.000	-45.715	≤-27.00	---	---	PASS
				Peak	5700.000	-44.87	≤10.00	---	---	PASS
				Peak	5720.000	-32.87	≤15.60	---	---	PASS
				Peak	5725.000	-31.21	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-45.637	≤15.60	---	---	PASS
				Peak	5855.000	-45.17	≤27.00	---	---	PASS
				Peak	5875.000	-45.48	≤15.60	---	---	PASS
				Peak	5925.000	-47.09	≤10.00	---	---	PASS
11AC20S ISO	Ant0	Low	5745	Peak	5650.000	-44.165	≤-27.00	---	---	PASS
				Peak	5700.000	-44.85	≤10.00	---	---	PASS
				Peak	5720.000	-43.98	≤15.60	---	---	PASS
				Peak	5725.000	-39.19	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-44.628	≤15.60	---	---	PASS
				Peak	5855.000	-44.89	≤27.00	---	---	PASS
				Peak	5875.000	-45.28	≤15.60	---	---	PASS
				Peak	5925.000	-45.93	≤10.00	---	---	PASS
11AC40S ISO	Ant0	Low	5755	Peak	5650.000	-44.889	≤-27.00	---	---	PASS
				Peak	5700.000	-43.75	≤10.00	---	---	PASS
				Peak	5720.000	-37.1	≤15.60	---	---	PASS
				Peak	5725.000	-34.15	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-44.862	≤15.60	---	---	PASS



				Peak	5855.000	-44.54	≤27.00	---	---	PASS
				Peak	5875.000	-44.99	≤15.60	---	---	PASS
				Peak	5925.000	-46.44	≤10.00	---	---	PASS
11AC80S ISO	Ant0	Low	5775	Peak	5650.000	-45.351	≤-27.00	---	---	PASS
				Peak	5700.000	-30.38	≤10.00	---	---	PASS
				Peak	5720.000	-29.56	≤15.60	---	---	PASS
				Peak	5725.000	-37.07	≤27.00	---	---	PASS
		High	5775	Peak	5850.000	-42.555	≤15.60	---	---	PASS
				Peak	5855.000	-43.49	≤27.00	---	---	PASS
				Peak	5875.000	-45.93	≤15.60	---	---	PASS
				Peak	5925.000	-46.87	≤10.00	---	---	PASS

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-37.335	≤-27.00	---	---	PASS
				Peak	5700.000	-38.1	≤10.00	---	---	PASS
				Peak	5720.000	-37.84	≤15.60	---	---	PASS
				Peak	5725.000	-37.82	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-36.871	≤15.60	---	---	PASS
				Peak	5855.000	-37.04	≤27.00	---	---	PASS
				Peak	5875.000	-37.3	≤15.60	---	---	PASS
				Peak	5925.000	-37.55	≤10.00	---	---	PASS
11N20SI SO	Ant1	Low	5745	Peak	5650.000	-37.546	≤-27.00	---	---	PASS
				Peak	5700.000	-36.85	≤10.00	---	---	PASS
				Peak	5720.000	-37.13	≤15.60	---	---	PASS
				Peak	5725.000	-37.63	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-37.342	≤15.60	---	---	PASS
				Peak	5855.000	-37.35	≤27.00	---	---	PASS
				Peak	5875.000	-37.29	≤15.60	---	---	PASS
				Peak	5925.000	-37.38	≤10.00	---	---	PASS
11N40SI SO	Ant1	Low	5755	Peak	5650.000	-38.018	≤-27.00	---	---	PASS
				Peak	5700.000	-37.49	≤10.00	---	---	PASS
				Peak	5720.000	-36.69	≤15.60	---	---	PASS
				Peak	5725.000	-36.7	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-36.843	≤15.60	---	---	PASS
				Peak	5855.000	-37.63	≤27.00	---	---	PASS
				Peak	5875.000	-36.64	≤15.60	---	---	PASS
				Peak	5925.000	-37	≤10.00	---	---	PASS
11AC20S ISO	Ant1	Low	5745	Peak	5650.000	-36.478	≤-27.00	---	---	PASS
				Peak	5700.000	-37.25	≤10.00	---	---	PASS
				Peak	5720.000	-37.26	≤15.60	---	---	PASS
				Peak	5725.000	-36.51	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-36.601	≤15.60	---	---	PASS



				Peak	5855.000	-36.67	≤ 27.00	---	---	PASS
				Peak	5875.000	-37.34	≤ 15.60	---	---	PASS
				Peak	5925.000	-37.04	≤ 10.00	---	---	PASS
11AC40S ISO	Ant1	Low	5755	Peak	5650.000	-36.806	≤ -27.00	---	---	PASS
				Peak	5700.000	-38.15	≤ 10.00	---	---	PASS
				Peak	5720.000	-36.71	≤ 15.60	---	---	PASS
				Peak	5725.000	-35.36	≤ 27.00	---	---	PASS
		High	5795	Peak	5850.000	-36.965	≤ 15.60	---	---	PASS
				Peak	5855.000	-36.33	≤ 27.00	---	---	PASS
				Peak	5875.000	-37.34	≤ 15.60	---	---	PASS
				Peak	5925.000	-36.83	≤ 10.00	---	---	PASS
11AC80S ISO	Ant1	Low	5775	Peak	5650.000	-37.203	≤ -27.00	---	---	PASS
				Peak	5700.000	-37.39	≤ 10.00	---	---	PASS
				Peak	5720.000	-36.76	≤ 15.60	---	---	PASS
				Peak	5725.000	-37.13	≤ 27.00	---	---	PASS
		High	5775	Peak	5850.000	-37.147	≤ 15.60	---	---	PASS
				Peak	5855.000	-36.93	≤ 27.00	---	---	PASS
				Peak	5875.000	-37.2	≤ 15.60	---	---	PASS
				Peak	5925.000	-37.32	≤ 10.00	---	---	PASS



MIMO

Test Mode	Channel	Detector	Freq. [MHz]	Ant0 [dBm]	Ant1 [dBm]	MIMO [dBm]	Limit (dBm/MHz)	Verdict
11N20 SISO	5745	Peak	5650.000	-45.547	-37.546	-36.91	≤-27.00	PASS
		Peak	5700.000	-45.23	-36.85	-36.26	≤10.00	PASS
		Peak	5720.000	-41.25	-37.13	-35.71	≤15.60	PASS
		Peak	5725.000	-40.18	-37.63	-35.71	≤27.00	PASS
	5825	Peak	5850.000	-41.54	-37.342	-35.94	≤15.60	PASS
		Peak	5855.000	-43.72	-37.35	-36.45	≤27.00	PASS
		Peak	5875.000	-44.9	-37.29	-36.60	≤15.60	PASS
		Peak	5925.000	-46.48	-37.38	-36.88	≤10.00	PASS
11N40 SISO	5755	Peak	5650.000	-45.715	-38.018	-37.34	≤-27.00	PASS
		Peak	5700.000	-44.87	-37.49	-36.76	≤10.00	PASS
		Peak	5720.000	-32.87	-36.69	-31.36	≤15.60	PASS
		Peak	5725.000	-31.21	-36.7	-30.13	≤27.00	PASS
	5795	Peak	5850.000	-45.637	-36.843	-36.30	≤15.60	PASS
		Peak	5855.000	-45.17	-37.63	-36.93	≤27.00	PASS
		Peak	5875.000	-45.48	-36.64	-36.11	≤15.60	PASS
		Peak	5925.000	-47.09	-37	-36.59	≤10.00	PASS
11AC20 SISO	5745	Peak	5650.000	-44.165	-36.478	-35.79	≤-27.00	PASS
		Peak	5700.000	-44.85	-37.25	-36.55	≤10.00	PASS
		Peak	5720.000	-43.98	-37.26	-36.42	≤15.60	PASS
		Peak	5725.000	-39.19	-36.51	-34.64	≤27.00	PASS
	5825	Peak	5850.000	-44.628	-36.601	-35.97	≤15.60	PASS
		Peak	5855.000	-44.89	-36.67	-36.06	≤27.00	PASS
		Peak	5875.000	-45.28	-37.34	-36.69	≤15.60	PASS
		Peak	5925.000	-45.93	-37.04	-36.51	≤10.00	PASS
11AC40 SISO	5755	Peak	5650.000	-44.889	-36.806	-36.18	≤-27.00	PASS
		Peak	5700.000	-43.75	-38.15	-37.09	≤10.00	PASS
		Peak	5720.000	-37.1	-36.71	-33.89	≤15.60	PASS
		Peak	5725.000	-34.15	-35.36	-31.70	≤27.00	PASS
	5795	Peak	5850.000	-44.862	-36.965	-36.31	≤15.60	PASS
		Peak	5855.000	-44.54	-36.33	-35.72	≤27.00	PASS
		Peak	5875.000	-44.99	-37.34	-36.65	≤15.60	PASS
		Peak	5925.000	-46.44	-36.83	-36.38	≤10.00	PASS
11AC80 SISO	5775	Peak	5650.000	-45.351	-37.203	-36.58	≤-27.00	PASS
		Peak	5700.000	-30.38	-37.39	-29.59	≤10.00	PASS
		Peak	5720.000	-29.56	-36.76	-28.80	≤15.60	PASS
		Peak	5725.000	-37.07	-37.13	-34.09	≤27.00	PASS
	5775	Peak	5850.000	-42.555	-37.147	-36.05	≤15.60	PASS
		Peak	5855.000	-43.49	-36.93	-36.06	≤27.00	PASS
		Peak	5875.000	-45.93	-37.2	-36.65	≤15.60	PASS



		Peak	5925.000	-46.87	-37.32	-36.86	≤10.00	PASS
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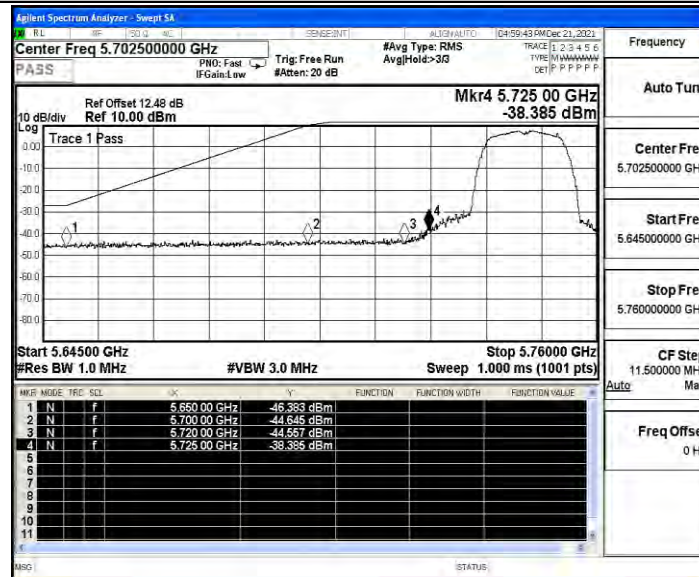
Note:

1. The Antenna Gain is compensated in the graph.

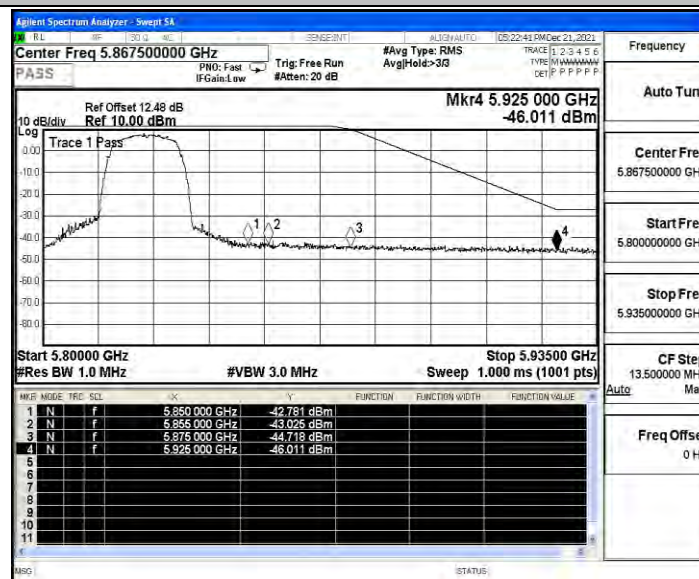


Test Graphs

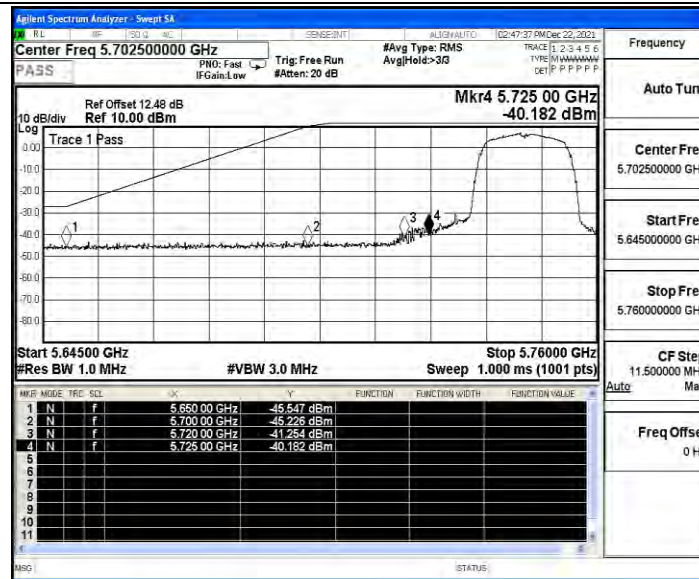
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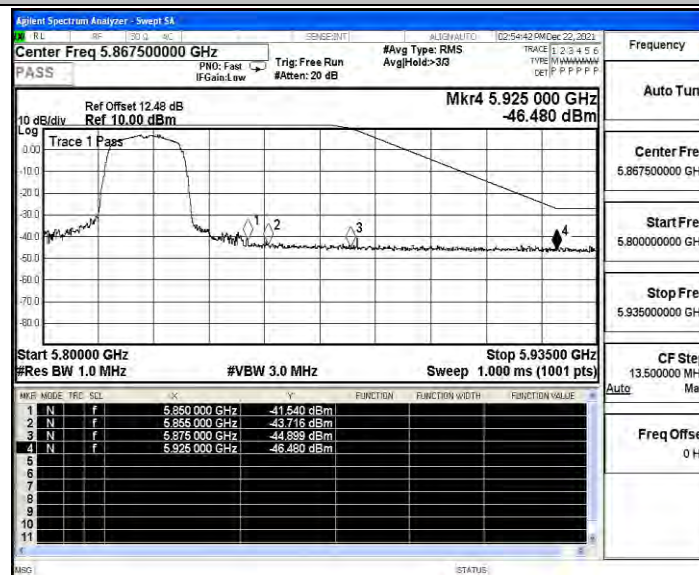
11A_Ant0_High_5825_Peak



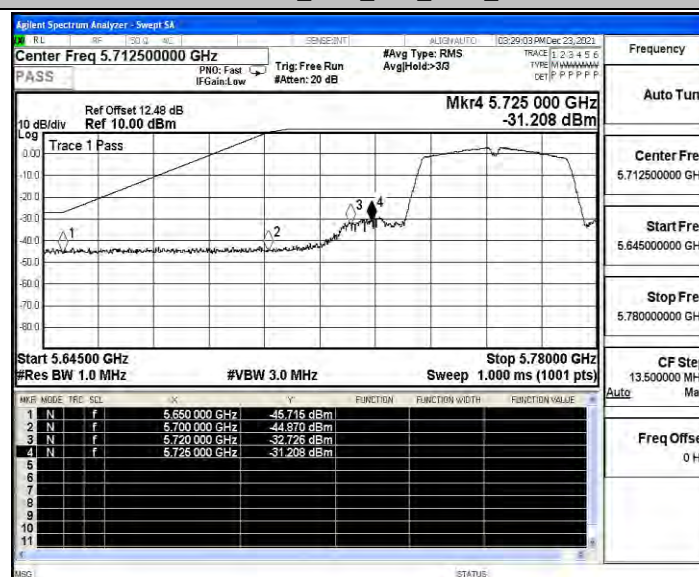
11N20SISO_Ant0_Low_5745_Peak



11N20SISO_Ant0_High_5825_Peak

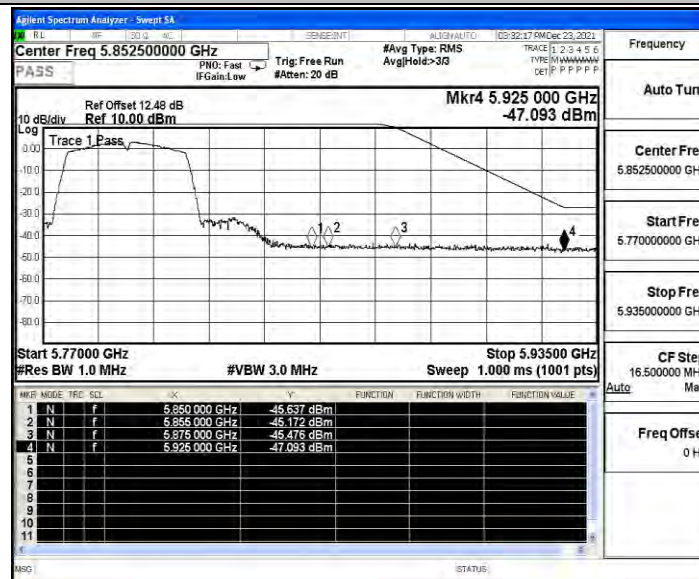


11N40SISO_Ant0_Low_5755_Peak

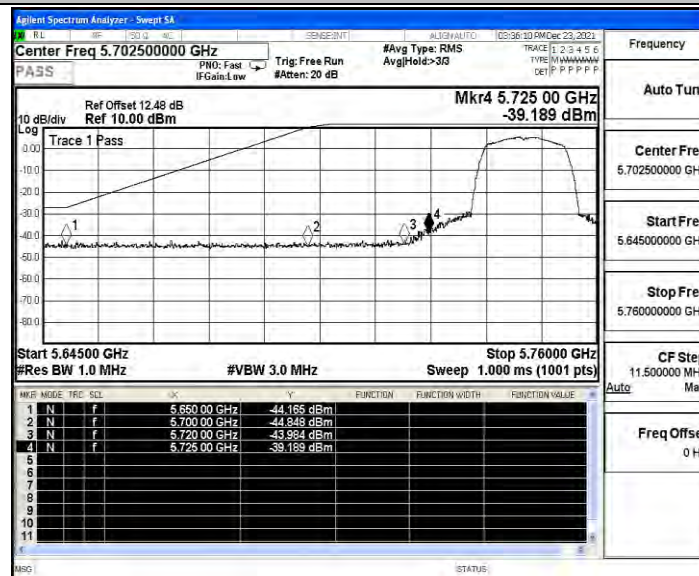




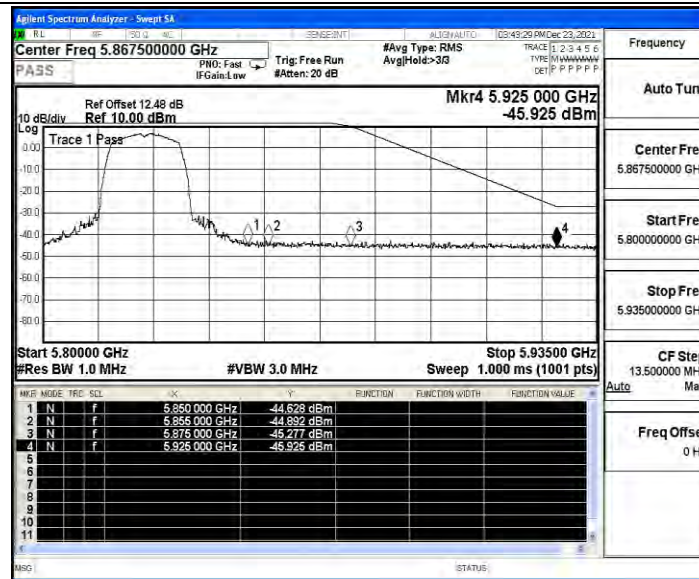
11N40SISO_Ant0_High_5795_Peak



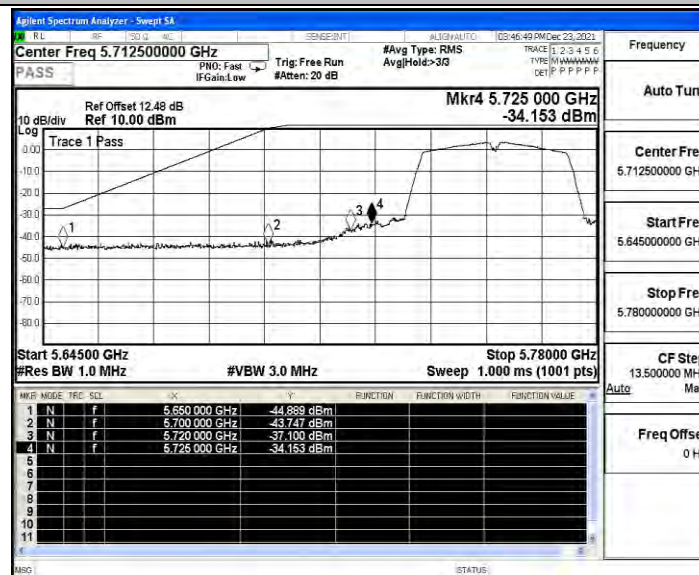
11AC20SISO_Ant0_Low_5745_Peak



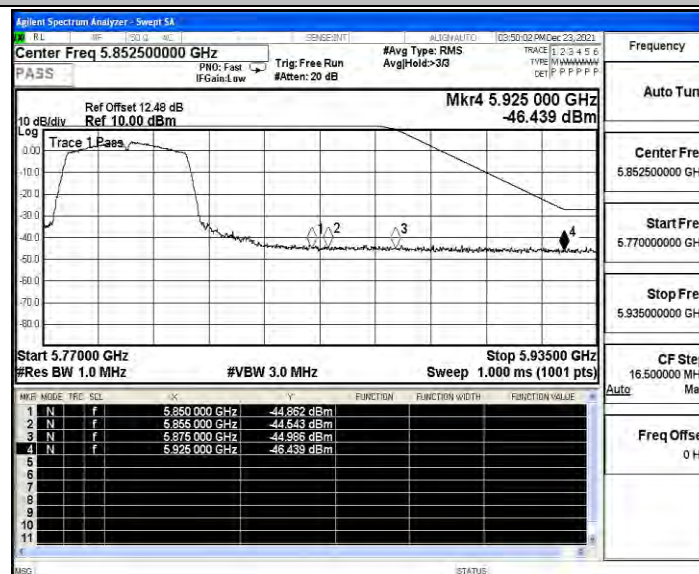
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11AC40SISO_Ant0_Low_5755_Peak

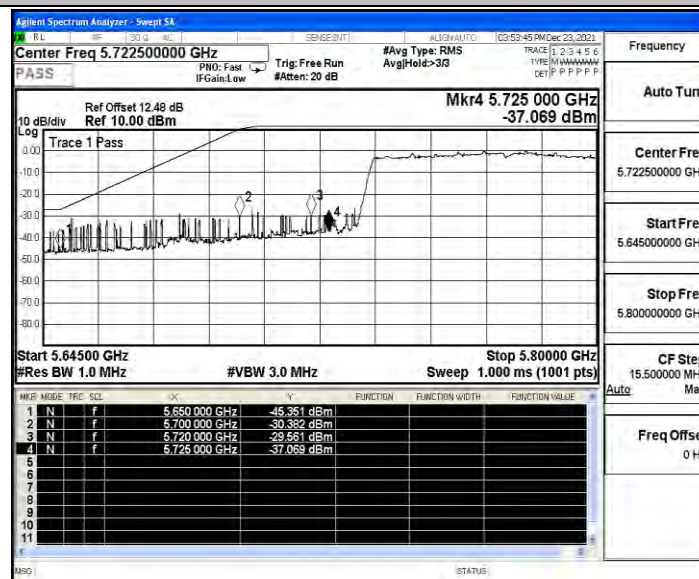


11AC40SISO_Ant0_High_5795_Peak

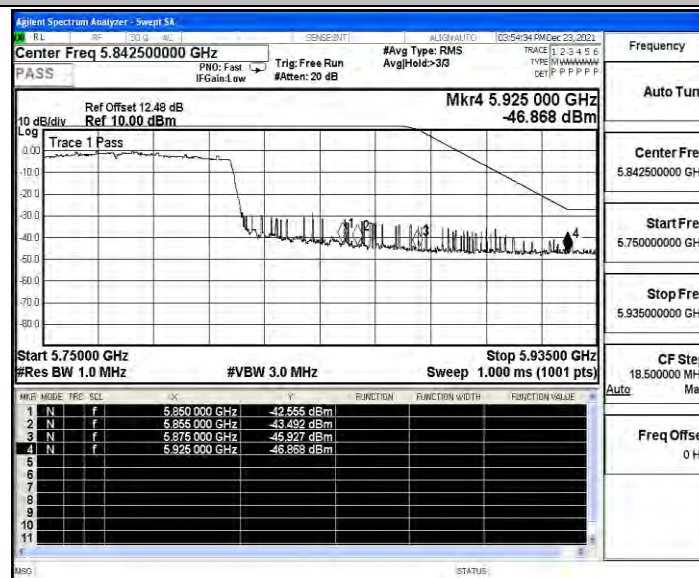




11AC80SISO_Ant0_Low_5775_Peak



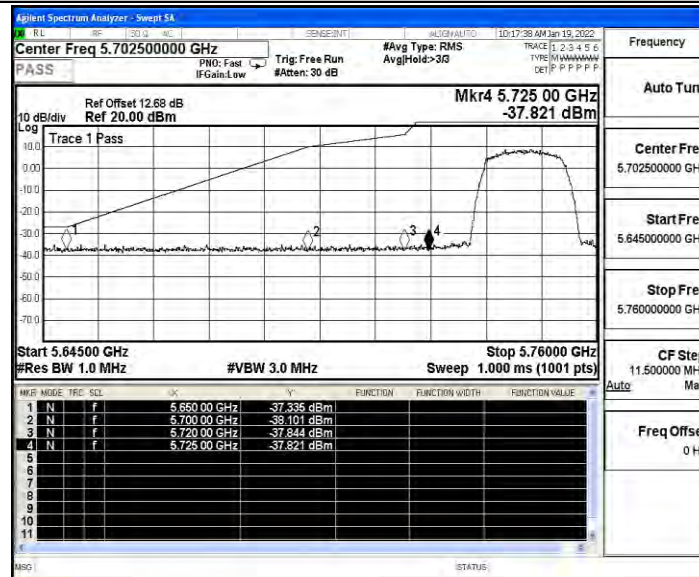
11AC80SISO_Ant0_High_5775_Peak



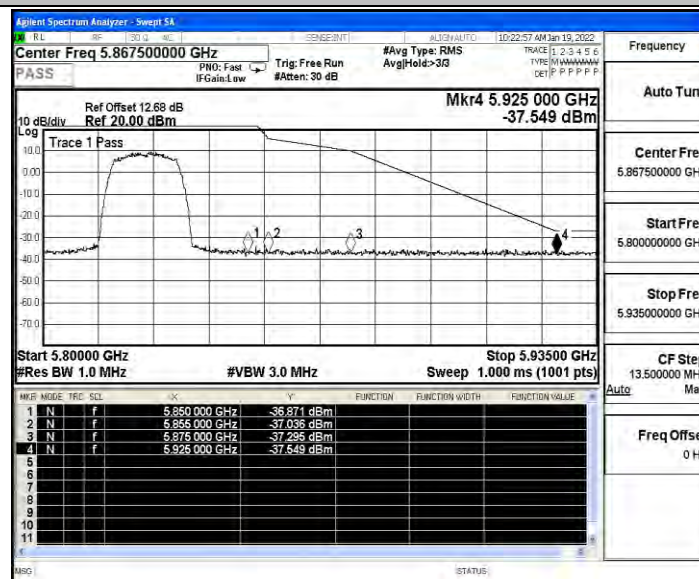


Test Graphs

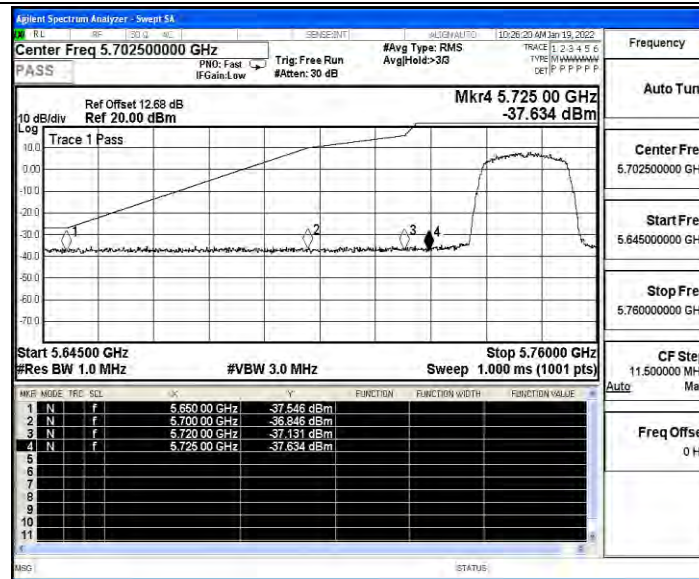
11A_Ant1_Low_5745_Peak



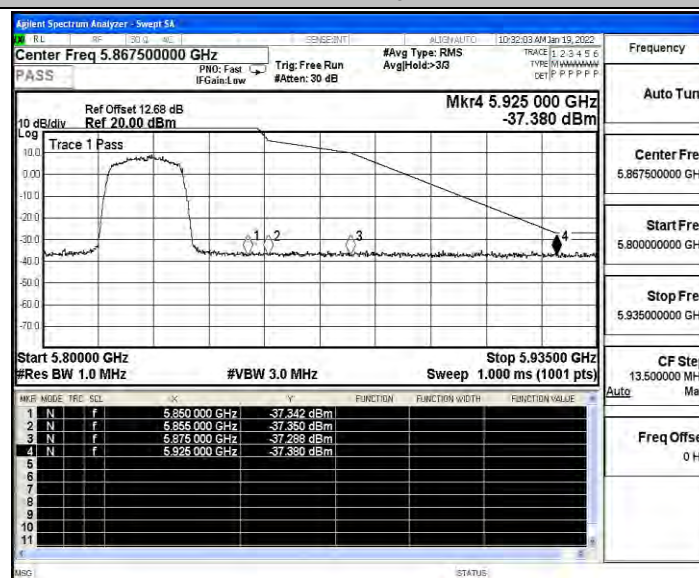
11A_Ant1_High_5825_Peak



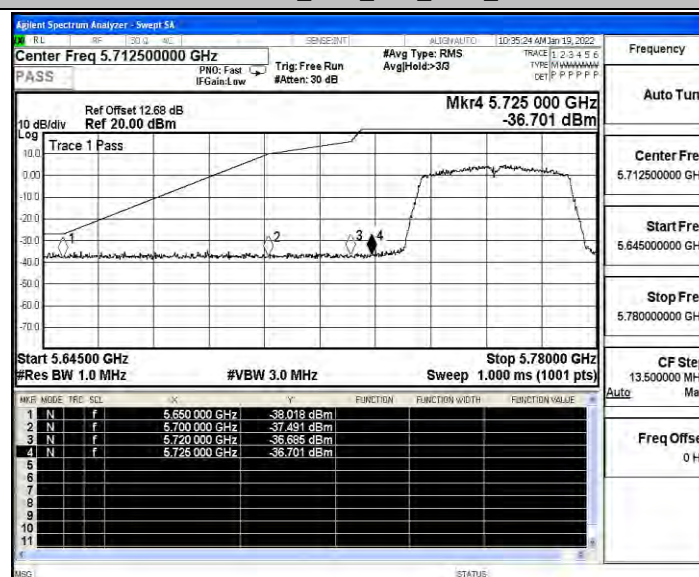
11N20SISO_Ant1_Low_5745_Peak



11N20SISO_Ant1_High_5825_Peak

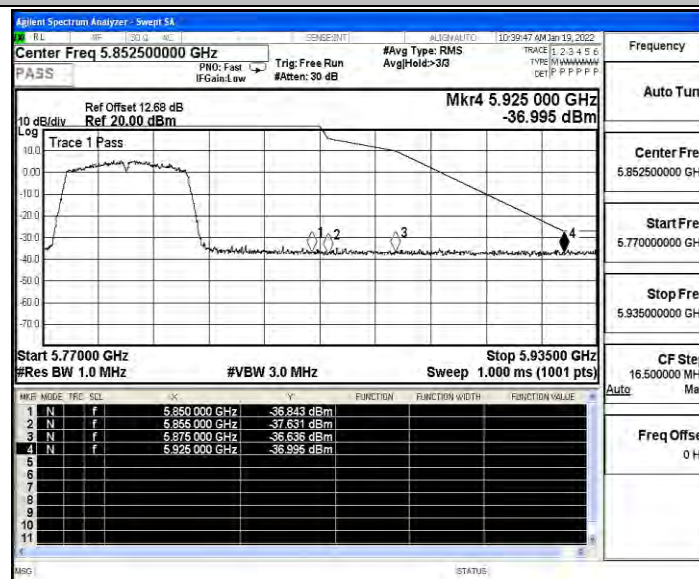


11N40SISO_Ant1_Low_5755_Peak

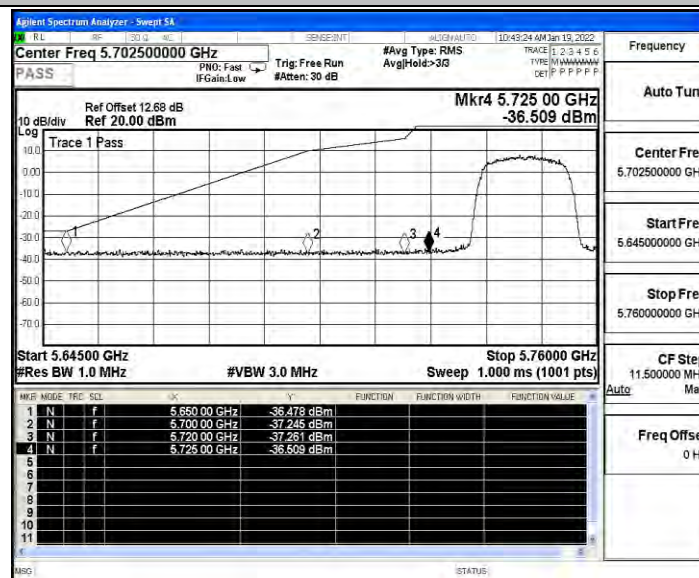




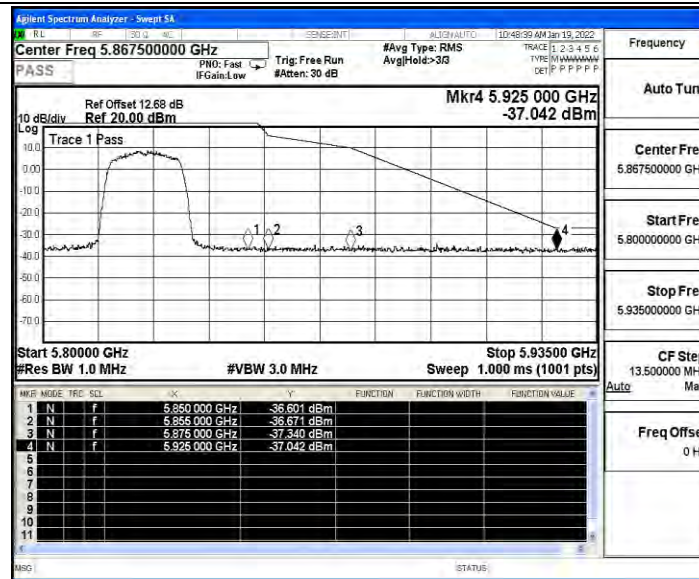
11N40SISO_Ant1_High_5795_Peak



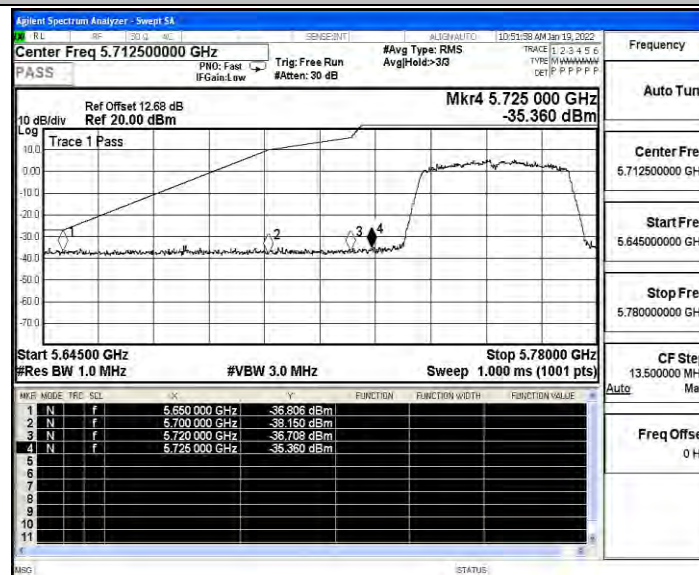
11AC20SISO_Ant1_Low_5745_Peak



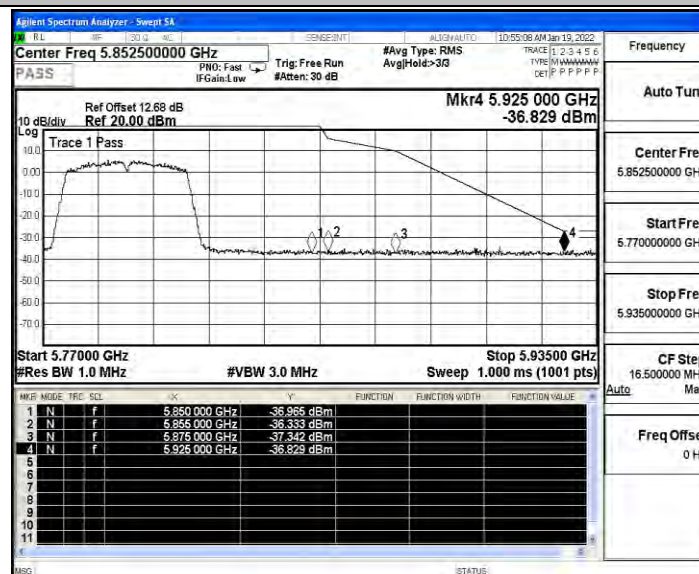
11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak

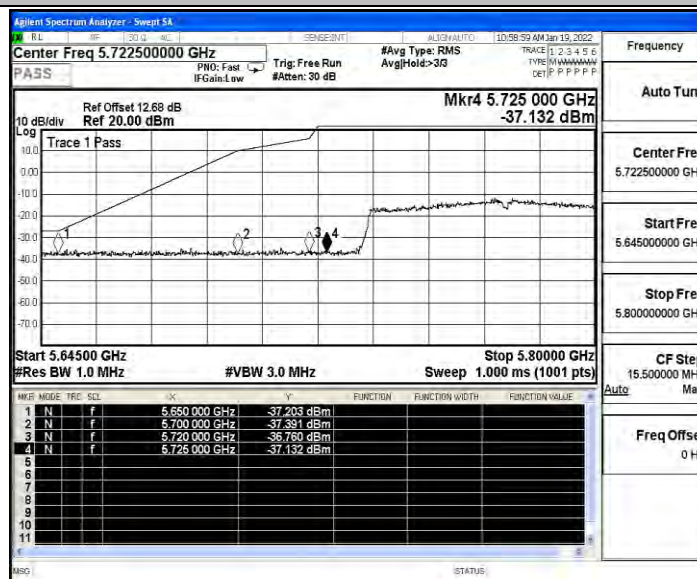


11AC40SISO_Ant1_High_5795_Peak

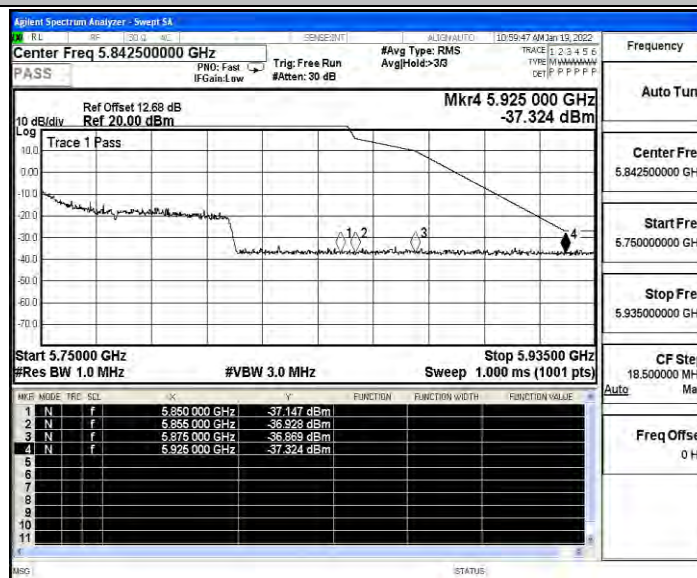




11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak





E.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant0	5825	NV	NT	-20000	-3.433476	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.433476	20	PASS
11AC20SISO	Ant0	5745	NV	NT	-10000	-1.740644	20	PASS
			LV	NT	-11000	-1.914708	20	PASS
			HV	NT	-11000	-1.914708	20	PASS
		5785	NV	NT	-12000	-2.07433	20	PASS
			LV	NT	-12000	-2.07433	20	PASS
			HV	NT	-12000	-2.07433	20	PASS
		5825	NV	NT	-13000	-2.23176	20	PASS
			LV	NT	-13000	-2.23176	20	PASS
			HV	NT	-13000	-2.23176	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant0	5825	NV	-30	-20000	-3.433476	20	PASS
			NV	-20	-20000	-3.433476	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-20000	-3.433476	20	PASS
			NV	10	-20000	-3.433476	20	PASS
			NV	20	-20000	-3.433476	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-40000	-6.866953	20	PASS
11AC20SISO	Ant0	5745	NV	50	-20000	-3.433476	20	PASS
			NV	-30	-11000	-1.914708	20	PASS
			NV	-20	-11000	-1.914708	20	PASS
			NV	-10	-11000	-1.914708	20	PASS
			NV	0	-11000	-1.914708	20	PASS
			NV	10	-12000	-2.088773	20	PASS
			NV	20	-12000	-2.088773	20	PASS
			NV	30	-12000	-2.088773	20	PASS
			NV	40	-12000	-2.088773	20	PASS
			NV	50	-12000	-2.088773	20	PASS
		5785	NV	-30	-12000	-2.07433	20	PASS
			NV	-20	-12000	-2.07433	20	PASS



			NV	-10	-13000	-2.247191	20	PASS
			NV	0	-12000	-2.07433	20	PASS
			NV	10	-12000	-2.07433	20	PASS
			NV	20	-13000	-2.247191	20	PASS
			NV	30	-13000	-2.247191	20	PASS
			NV	40	-13000	-2.247191	20	PASS
			NV	50	-13000	-2.247191	20	PASS
			NV	-30	-14000	-2.403433	20	PASS
		5825	NV	-20	-14000	-2.403433	20	PASS
			NV	-10	-14000	-2.403433	20	PASS
			NV	0	-14000	-2.403433	20	PASS
			NV	10	-14000	-2.403433	20	PASS
			NV	20	-14000	-2.403433	20	PASS
			NV	30	-14000	-2.403433	20	PASS
			NV	40	-14000	-2.403433	20	PASS
			NV	50	-14000	-2.403433	20	PASS



Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5745	NV	NT	-5000	-0.870322	20	PASS
			LV	NT	-7000	-1.218451	20	PASS
			HV	NT	-8000	-1.392515	20	PASS
		5785	NV	NT	-11000	-1.901469	20	PASS
			LV	NT	-11000	-1.901469	20	PASS
			HV	NT	-12000	-2.07433	20	PASS
		5825	NV	NT	-13000	-2.23176	20	PASS
			LV	NT	-13000	-2.23176	20	PASS
			HV	NT	-13000	-2.23176	20	PASS
11AC40SISO	Ant1	5755	NV	NT	-15000	-2.606429	20	PASS
			LV	NT	-15000	-2.606429	20	PASS
			HV	NT	-14000	-2.432667	20	PASS
		5795	NV	NT	-15000	-2.588438	20	PASS
			LV	NT	-15000	-2.588438	20	PASS
			HV	NT	-15000	-2.588438	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5745	NV	-30	-9000	-1.56658	20	PASS
			NV	-20	-10000	-1.740644	20	PASS
			NV	-10	-10000	-1.740644	20	PASS
			NV	0	-10000	-1.740644	20	PASS
			NV	10	-10000	-1.740644	20	PASS
			NV	20	-10000	-1.740644	20	PASS
			NV	30	-11000	-1.914708	20	PASS
			NV	40	-11000	-1.914708	20	PASS
		5785	NV	50	-11000	-1.914708	20	PASS
			NV	-30	-12000	-2.07433	20	PASS
			NV	-20	-12000	-2.07433	20	PASS
			NV	-10	-12000	-2.07433	20	PASS
			NV	0	-12000	-2.07433	20	PASS
			NV	10	-13000	-2.247191	20	PASS
			NV	20	-13000	-2.247191	20	PASS
			NV	30	-13000	-2.247191	20	PASS
			NV	40	-13000	-2.247191	20	PASS
			NV	50	-13000	-2.247191	20	PASS
		5825	NV	-30	-13000	-2.23176	20	PASS



			NV	-20	-14000	-2.403433	20	PASS
			NV	-10	-13000	-2.23176	20	PASS
			NV	0	-13000	-2.23176	20	PASS
			NV	10	-14000	-2.403433	20	PASS
			NV	20	-14000	-2.403433	20	PASS
			NV	30	-14000	-2.403433	20	PASS
			NV	40	-14000	-2.403433	20	PASS
			NV	50	-14000	-2.403433	20	PASS
11AC40SIS O	Ant1	5755	NV	-30	-15000	-2.606429	20	PASS
			NV	-20	-15000	-2.606429	20	PASS
			NV	-10	-15000	-2.606429	20	PASS
			NV	0	-15000	-2.606429	20	PASS
			NV	10	-15000	-2.606429	20	PASS
			NV	20	-15000	-2.606429	20	PASS
			NV	30	-15000	-2.606429	20	PASS
			NV	40	-15000	-2.606429	20	PASS
			NV	50	-15000	-2.606429	20	PASS
		5795	NV	-30	-15000	-2.588438	20	PASS
			NV	-20	-15000	-2.588438	20	PASS
			NV	-10	-15000	-2.588438	20	PASS
			NV	0	-15000	-2.588438	20	PASS
			NV	10	-15000	-2.588438	20	PASS
			NV	20	-16000	-2.761001	20	PASS
			NV	30	-16000	-2.761001	20	PASS
			NV	40	-15000	-2.588438	20	PASS
			NV	50	-15000	-2.588438	20	PASS



E.6 Duty Cycle

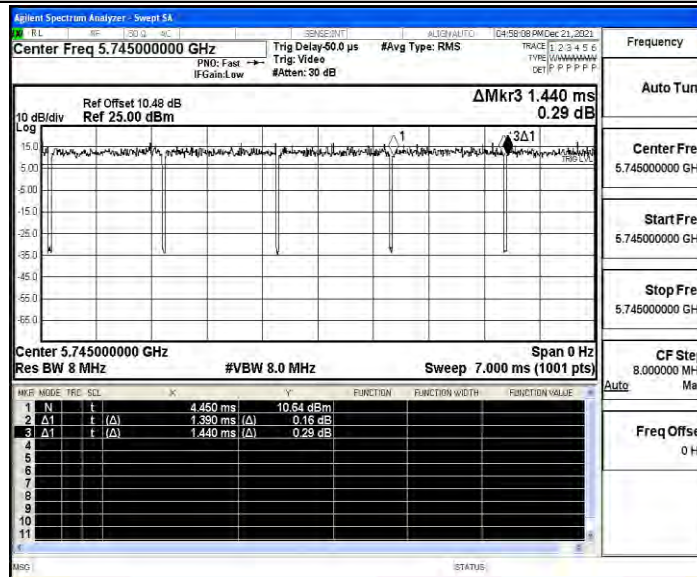
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant0	5745	1.39	1.44	96.53	---	---
		5785	1.39	1.43	97.20	---	---
		5825	1.39	1.44	96.53	---	---
11N20SISO	Ant0	5745	1.30	1.35	96.30	---	---
		5785	1.30	1.34	97.01	---	---
		5825	1.31	1.35	97.04	---	---
11N40SISO	Ant0	5755	0.65	0.68	95.59	---	---
		5795	0.64	0.68	94.12	---	---
11AC20SISO	Ant0	5745	1.31	1.35	97.04	---	---
		5785	1.31	1.35	97.04	---	---
		5825	1.31	1.34	97.76	---	---
11AC40SISO	Ant0	5755	0.66	0.69	95.65	---	---
		5795	0.66	0.69	95.65	---	---
11AC80SISO	Ant0	5775	0.33	0.36	91.67	---	---

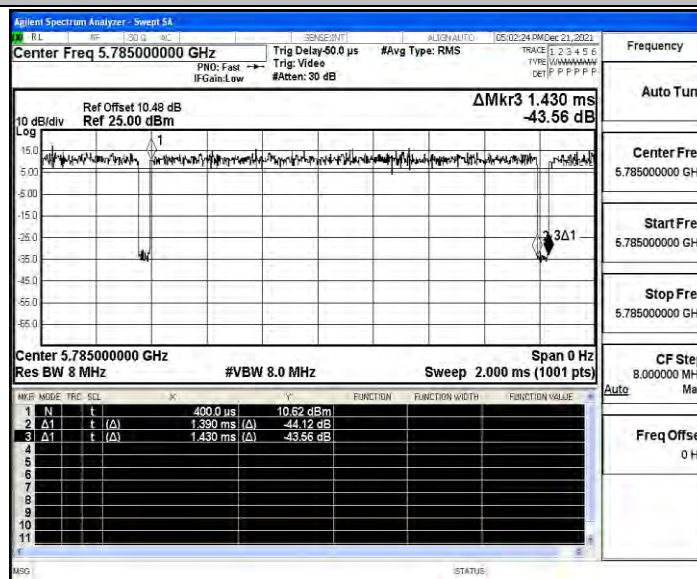


Test Graphs

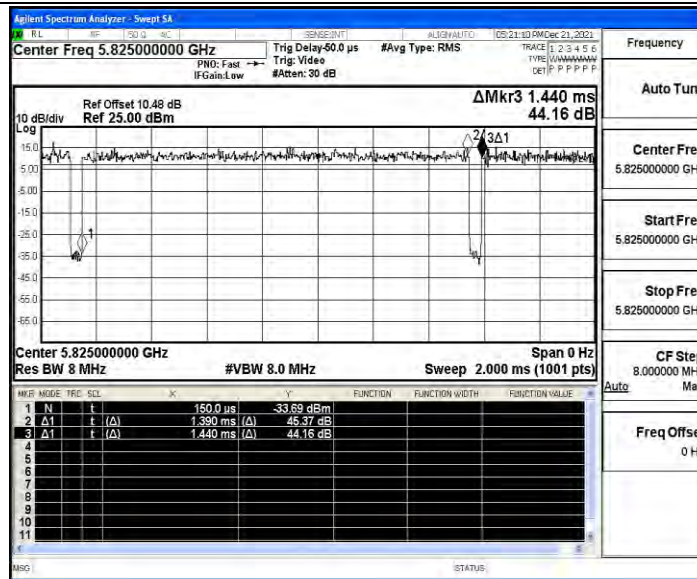
11A_Ant0_5745



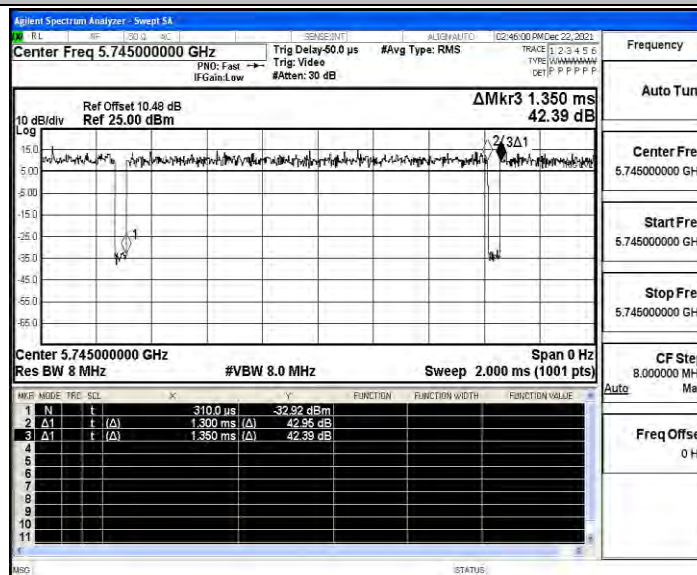
11A_Ant0_5785



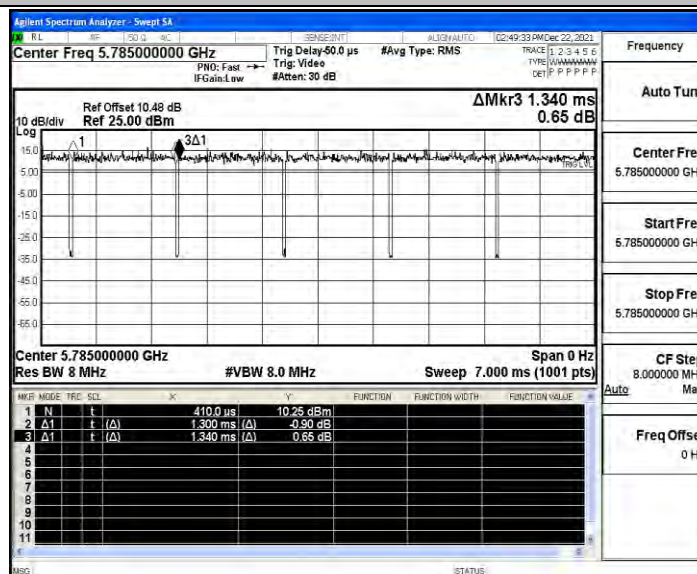
11A_Ant0_5825



11N20SISO_Ant0_5745

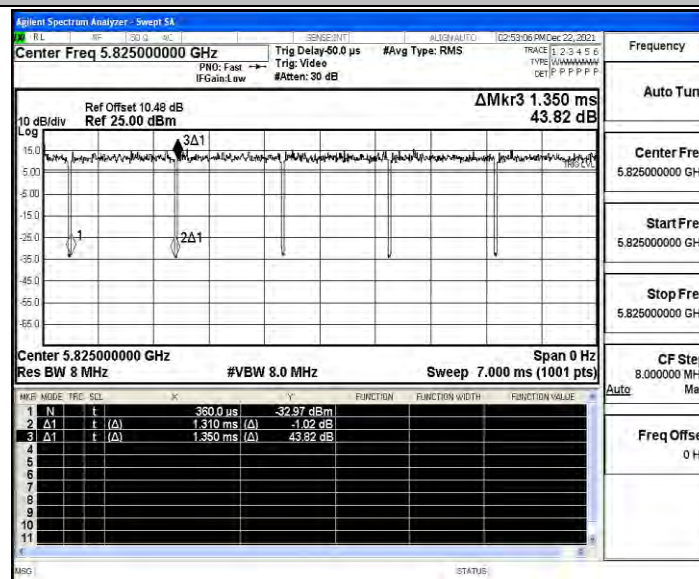


11N20SISO_Ant0_5785

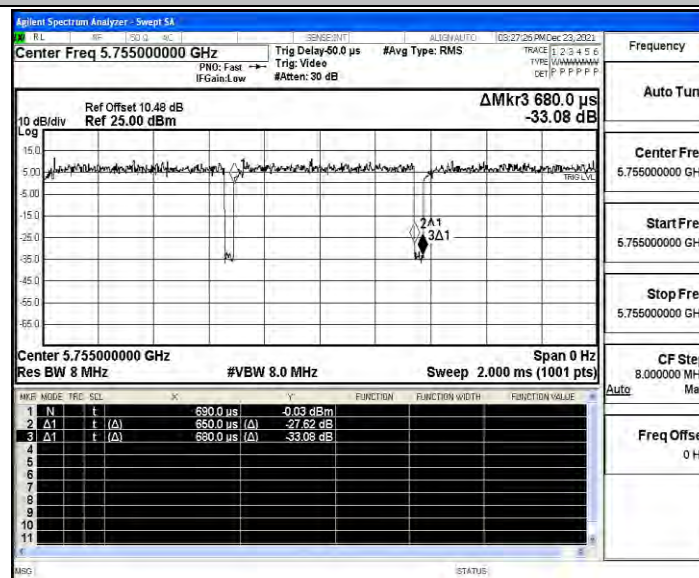




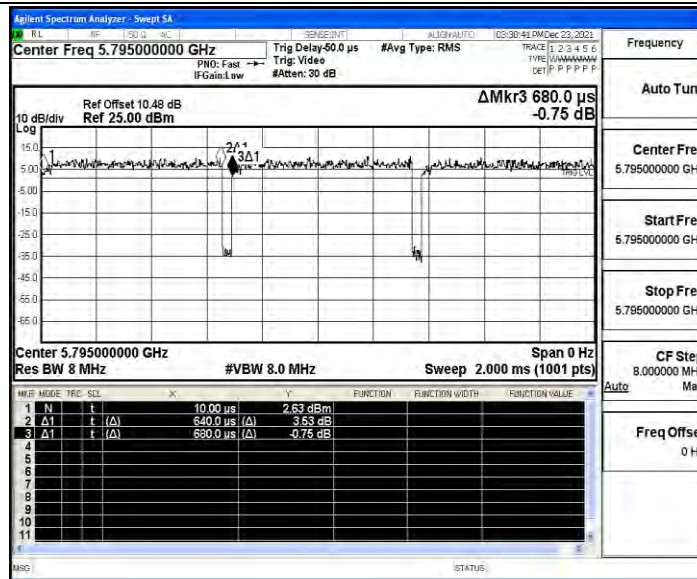
11N20SISO_Ant0_5825



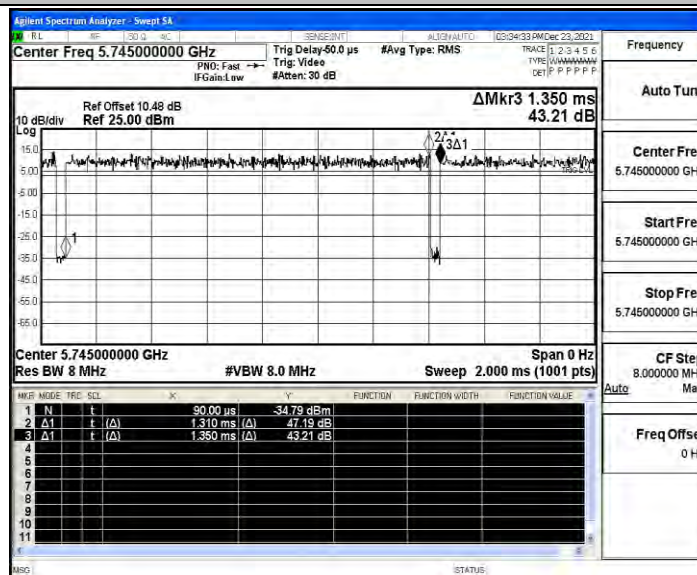
11N40SISO_Ant0_5755



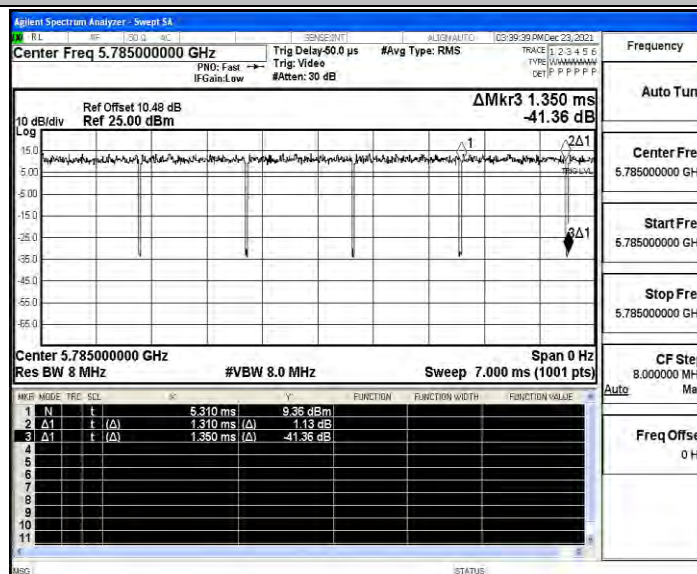
11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745

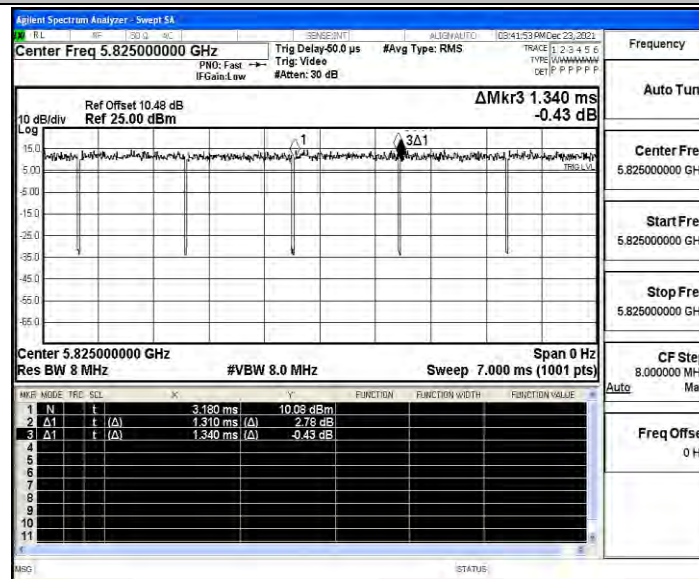


11AC20SISO_Ant0_5785

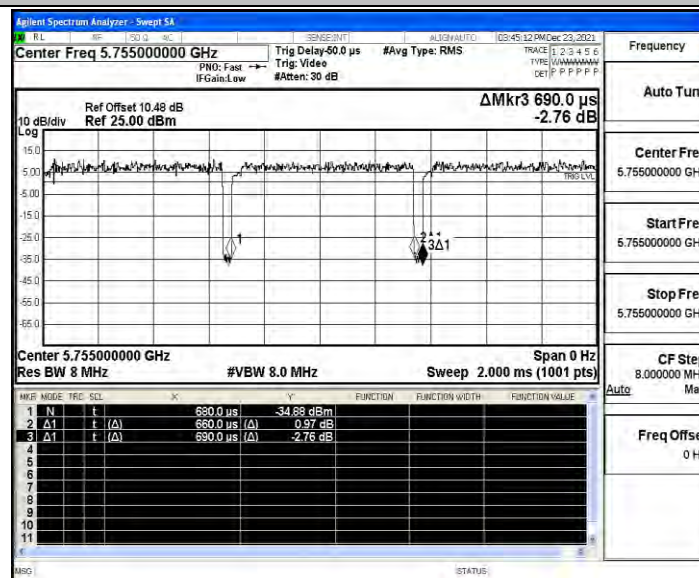




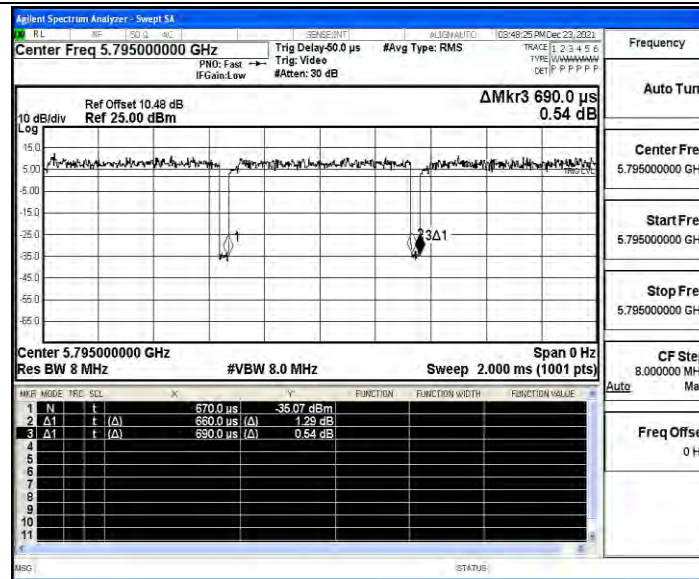
11AC20SISO_Ant0_5825



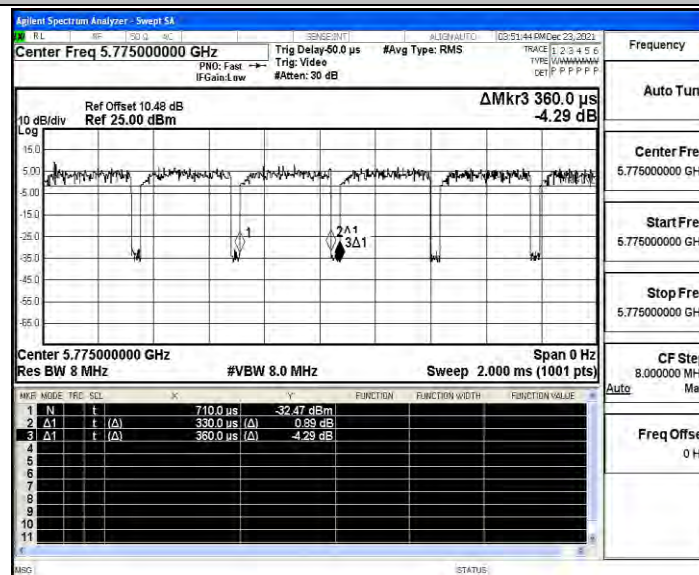
11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775





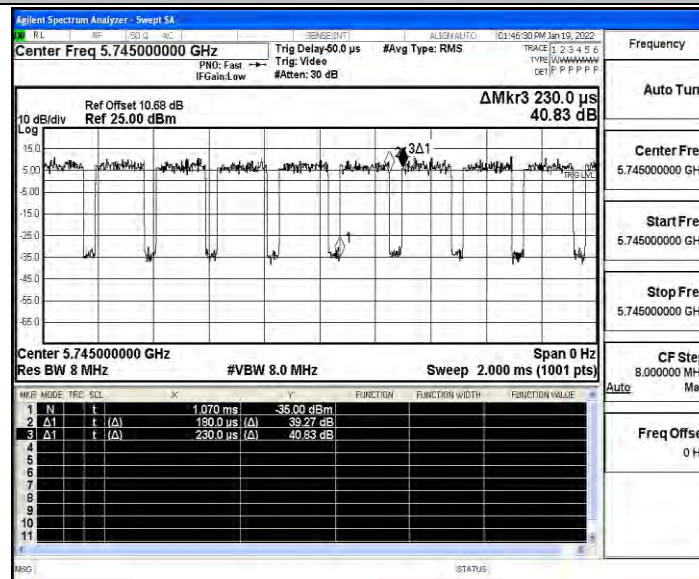
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	0.18	0.23	78.26	---	---
		5785	0.17	0.22	77.27	---	---
		5825	0.18	0.22	81.82	---	---
11N20SISO	Ant1	5745	0.17	0.21	80.95	---	---
		5785	0.16	0.21	76.19	---	---
		5825	0.16	0.21	76.19	---	---
11N40SISO	Ant1	5755	0.10	0.14	71.43	---	---
		5795	0.10	0.15	66.67	---	---
11AC20SISO	Ant1	5745	0.17	0.21	80.95	---	---
		5785	0.17	0.21	80.95	---	---
		5825	0.16	0.21	76.19	---	---
11AC40SISO	Ant1	5755	0.10	0.15	66.67	---	---
		5795	0.10	0.14	71.43	---	---
11AC80SISO	Ant1	5775	0.07	0.12	58.33	---	---

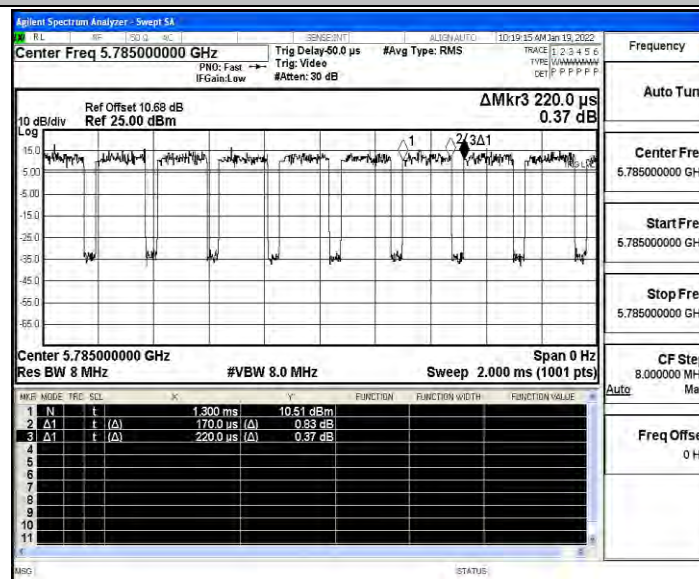


Test Graphs

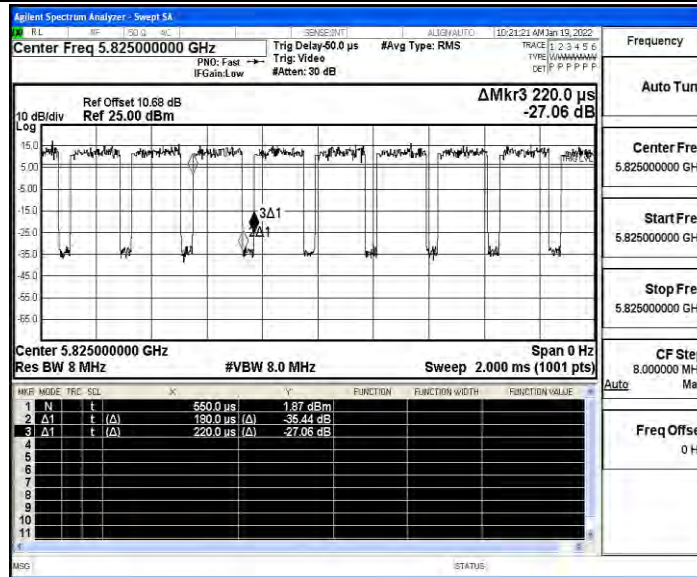
11A_Ant1_5745



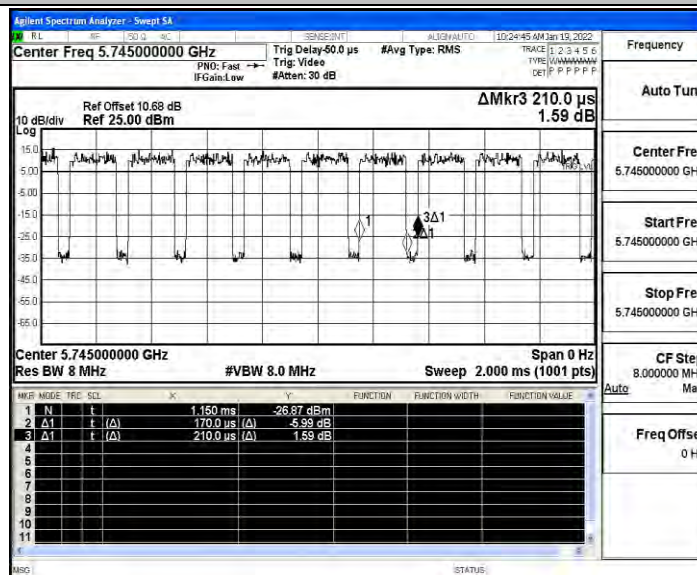
11A_Ant1_5785



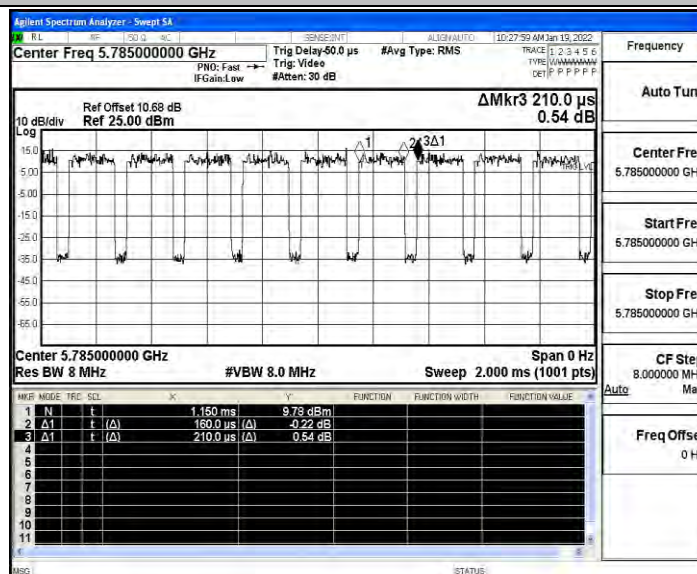
11A_Ant1_5825



11N20SISO_Ant1_5745

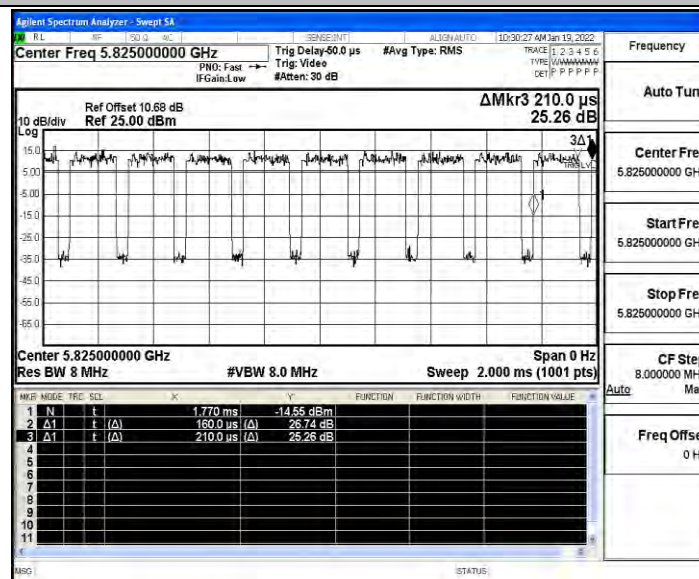


11N20SISO_Ant1_5785

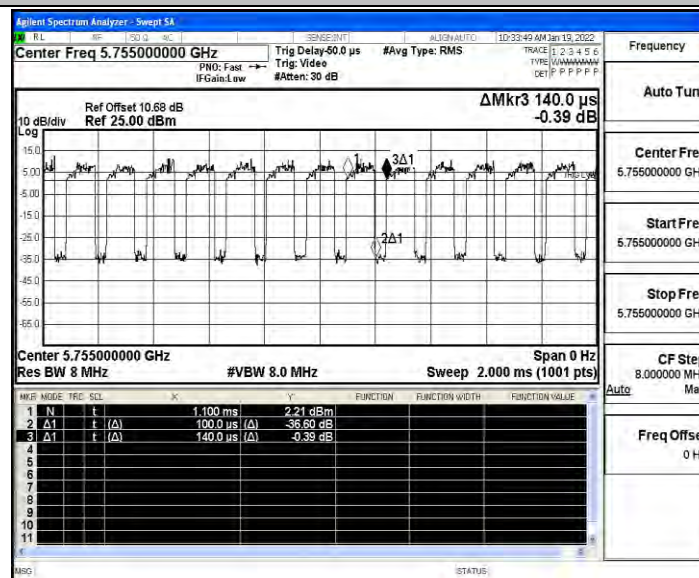




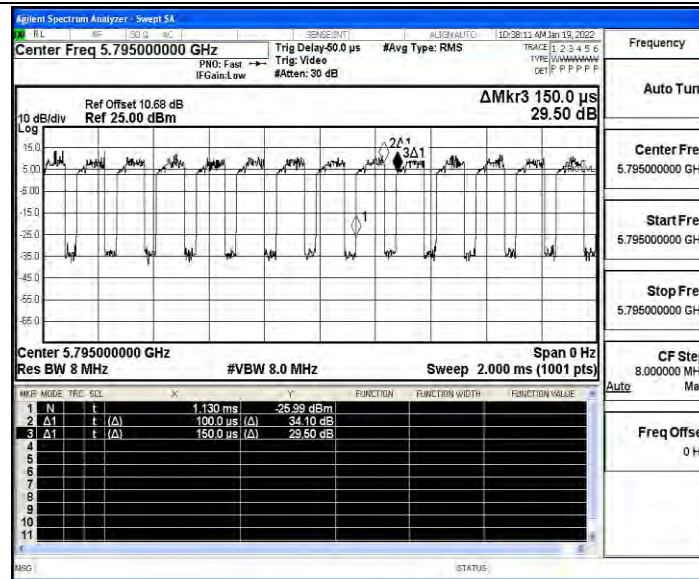
11N20SISO_Ant1_5825



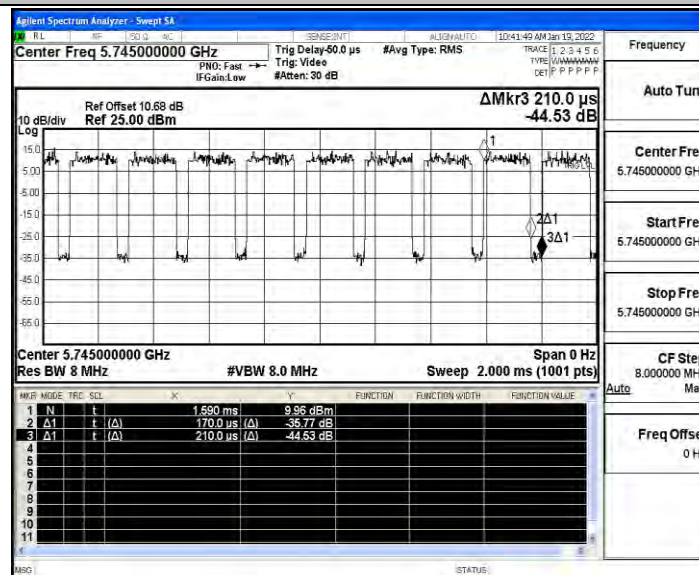
11N40SISO_Ant1_5755



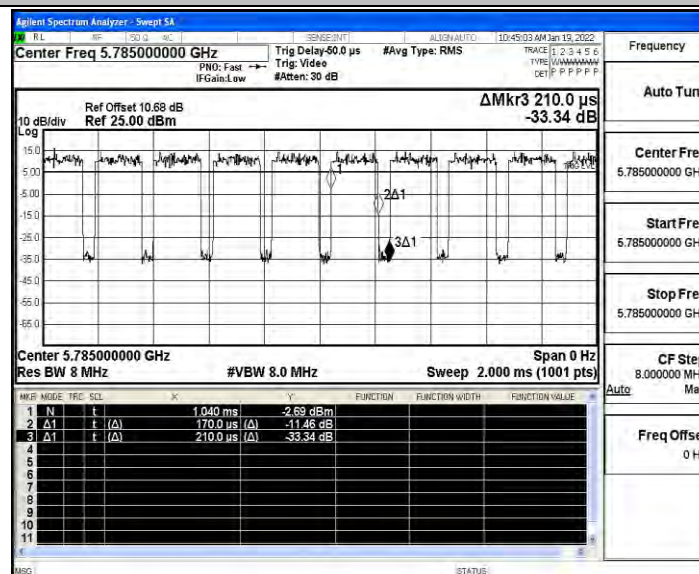
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

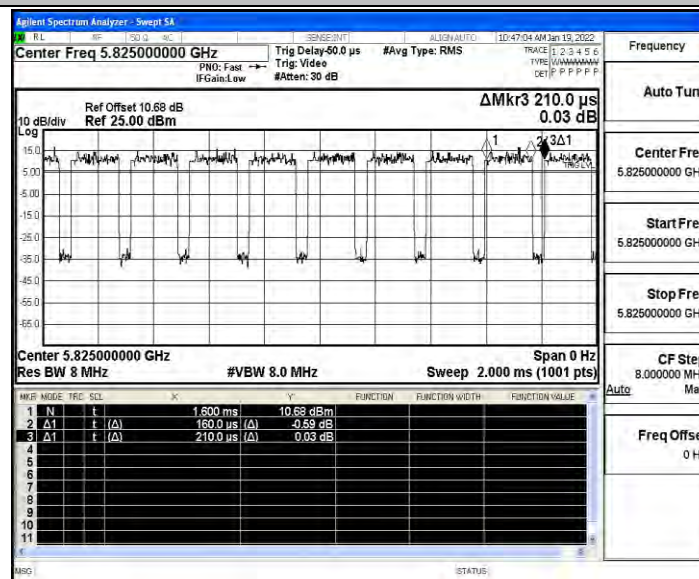


11AC20SISO_Ant1_5785

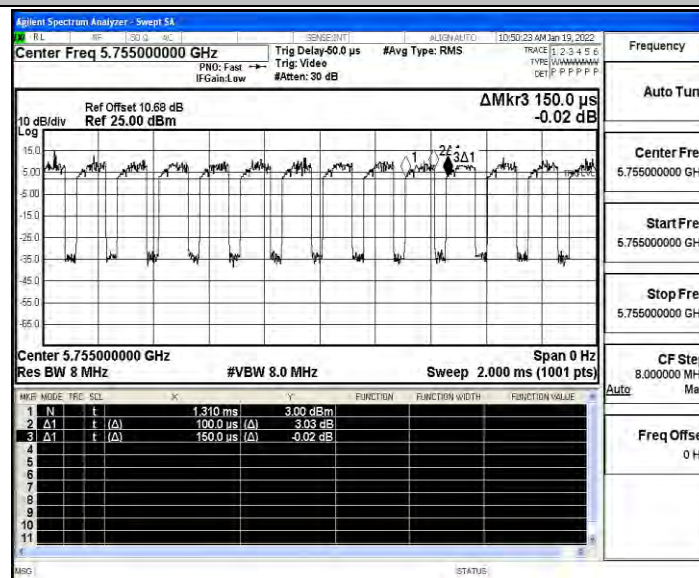




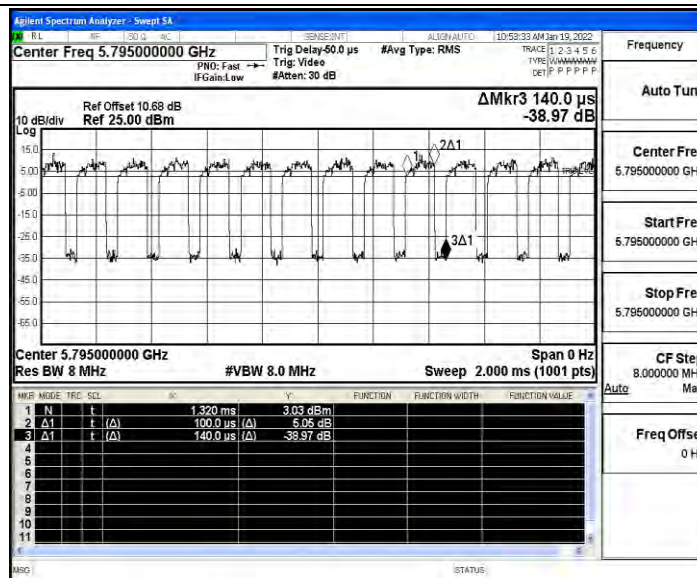
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

