



Appendix E

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: TV Remote

Test Model: RC20

Environmental Conditions

Temperature:	22.4° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



E.1 6dB bandwidth

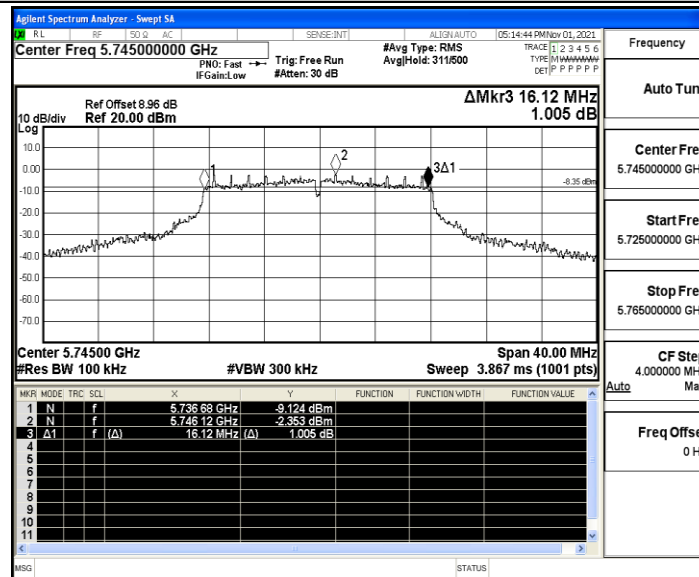
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.120	5736.680	5752.800	0.5	PASS
		5785	16.360	5776.680	5793.040	0.5	PASS
		5825	16.000	5816.680	5832.680	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.080	5753.680	0.5	PASS
		5785	17.320	5776.080	5793.400	0.5	PASS
		5825	17.360	5816.040	5833.400	0.5	PASS
11N40SISO	Ant1	5755	36.000	5736.680	5772.680	0.5	PASS
		5795	35.920	5776.920	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.000	5736.040	5753.040	0.5	PASS
		5785	17.640	5776.040	5793.680	0.5	PASS
		5825	16.760	5816.280	5833.040	0.5	PASS
11AC40SISO	Ant1	5755	36.240	5736.600	5772.840	0.5	PASS
		5795	36.000	5776.680	5812.680	0.5	PASS
11AC80SISO	Ant1	5775	76.000	5736.600	5812.600	0.5	PASS

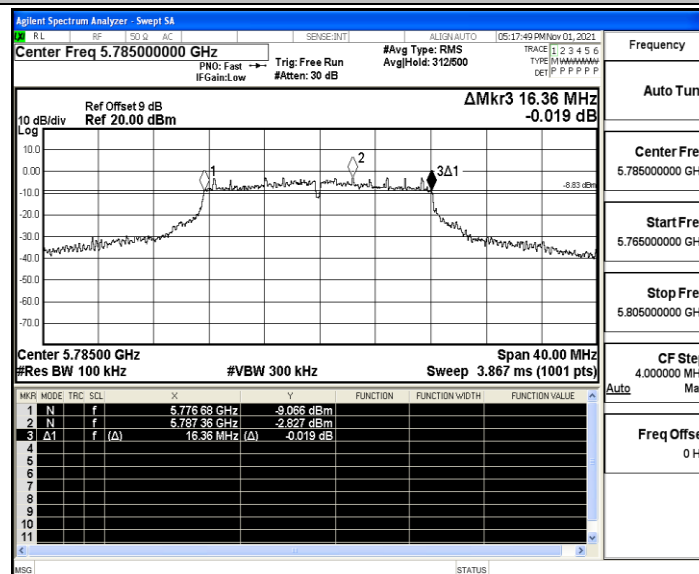


Test Graphs

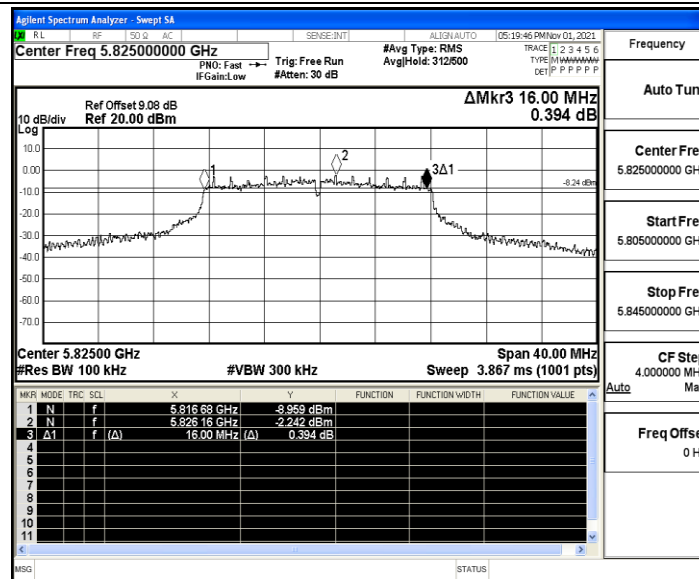
11A_Ant1_5745



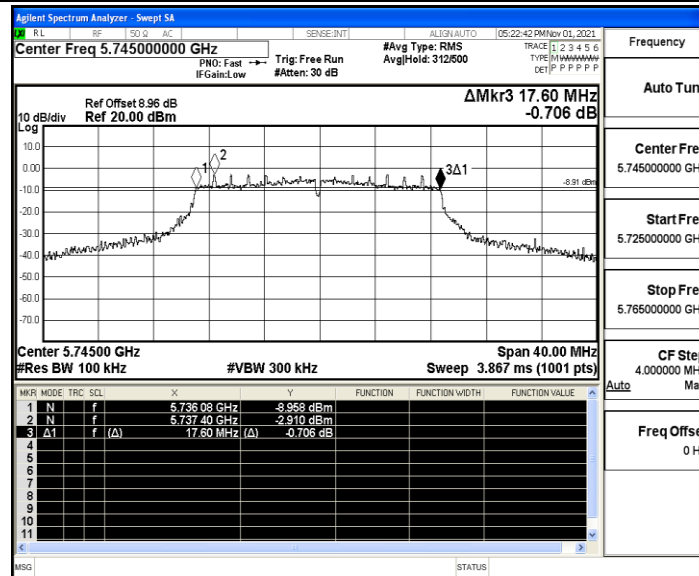
11A_Ant1_5785



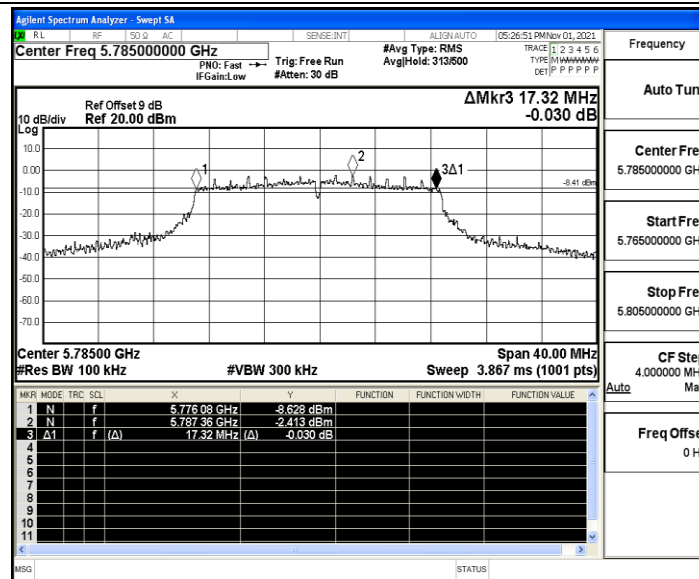
11A_Ant1_5825



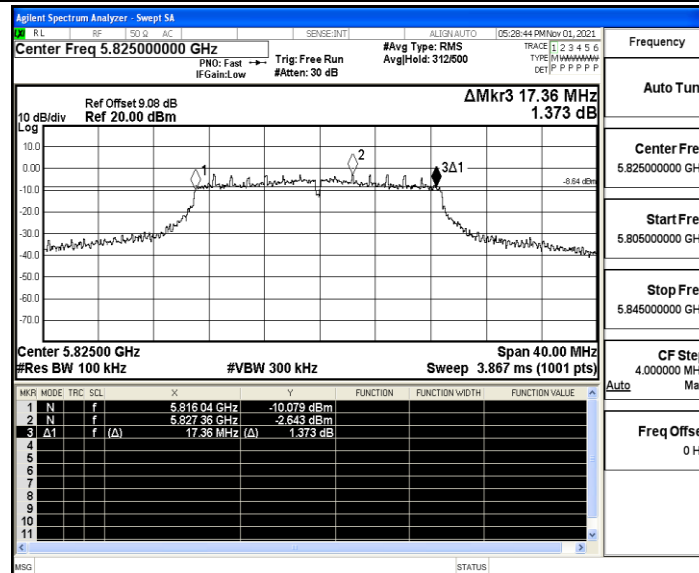
11N20SISO_Ant1_5745



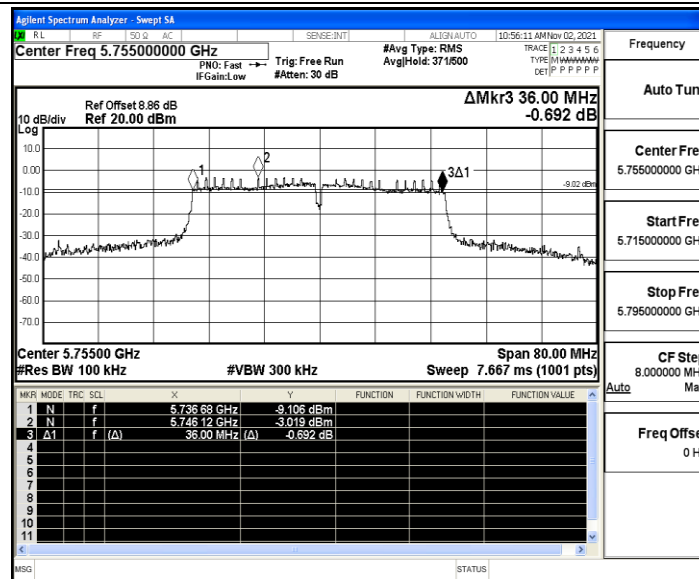
11N20SISO_Ant1_5785



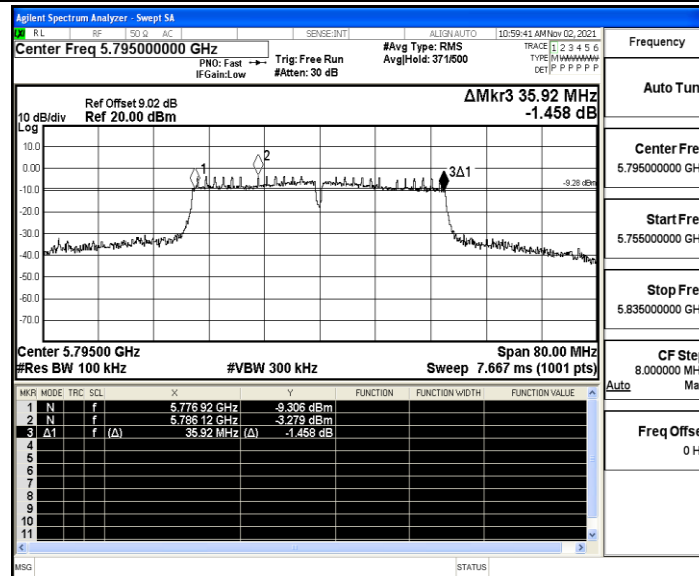
11N20SISO_Ant1_5825



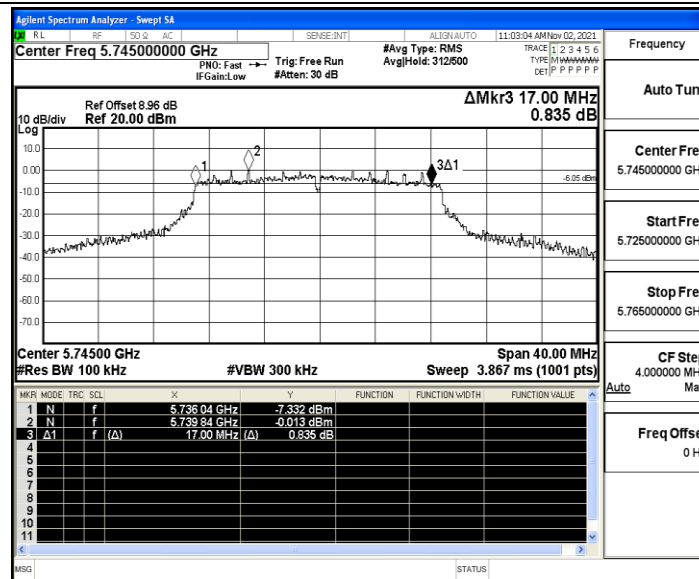
11N40SISO_Ant1_5755



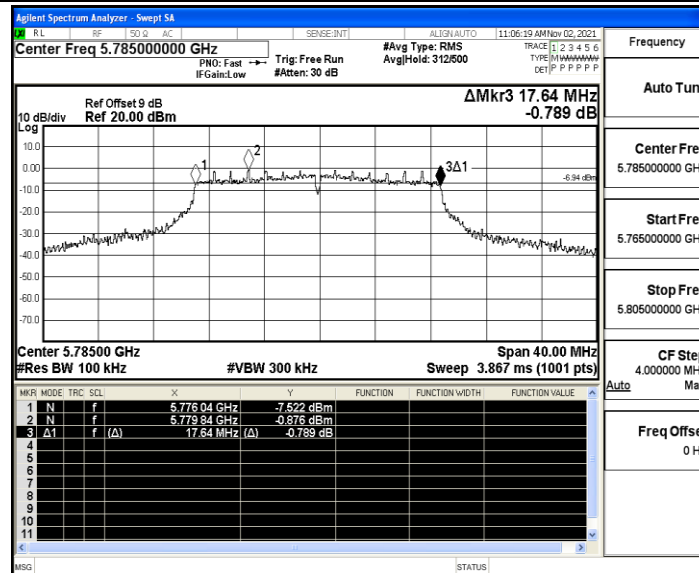
11N40SISO_Ant1_5795



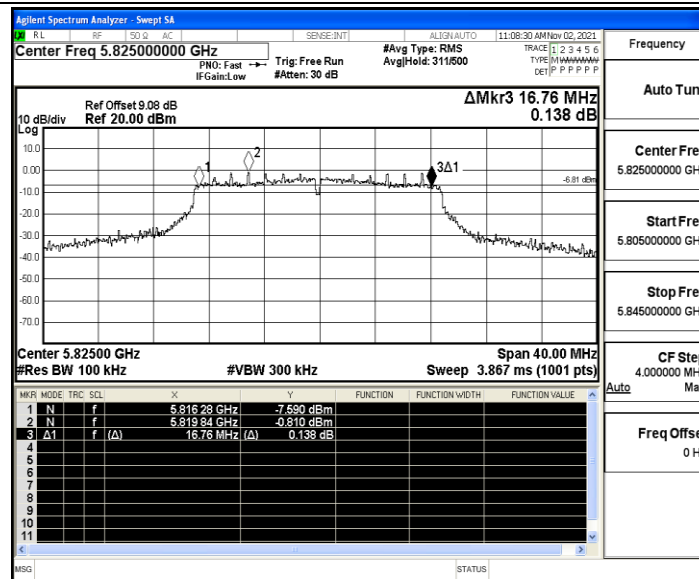
11AC20SISO_Ant1_5745



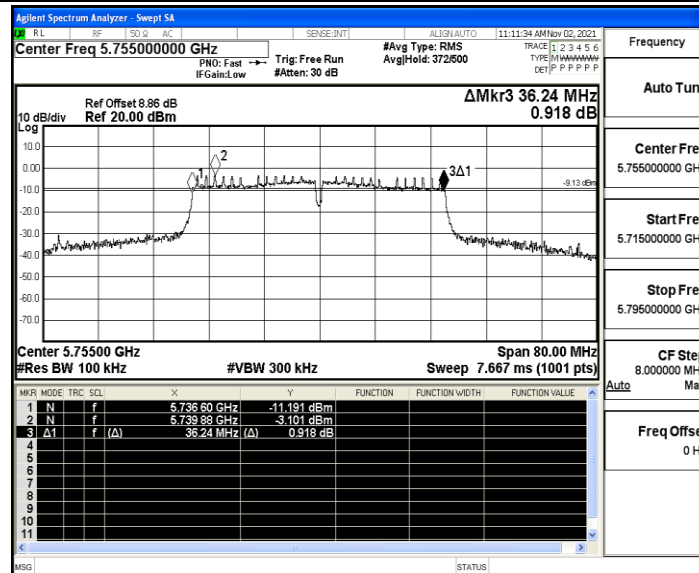
11AC20SISO_Ant1_5785



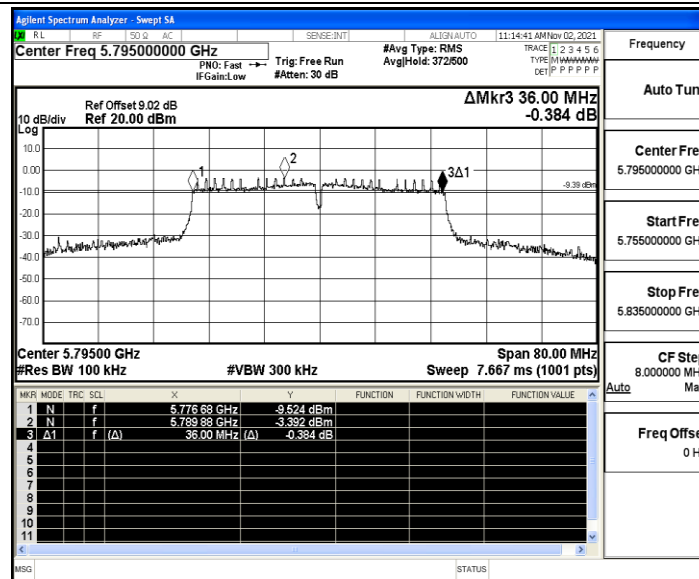
11AC20SISO_Ant1_5825



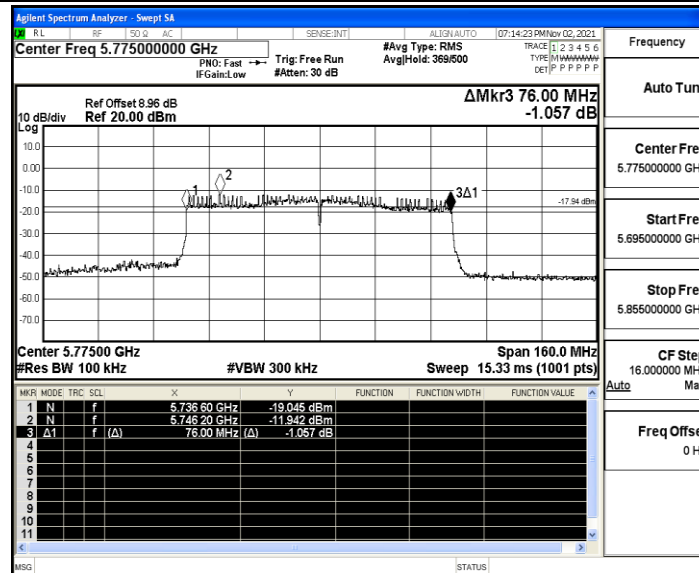
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	8.78	≤30	PASS
		5785	9.07	≤30	PASS
		5825	8.98	≤30	PASS
11N20SISO	Ant1	5745	8.41	≤30	PASS
		5785	8.80	≤30	PASS
		5825	8.70	≤30	PASS
11N40SISO	Ant1	5755	10.65	≤30	PASS
		5795	10.54	≤30	PASS
11AC20SISO	Ant1	5745	11.09	≤30	PASS
		5785	10.73	≤30	PASS
		5825	10.38	≤30	PASS
11AC40SISO	Ant1	5755	10.72	≤30	PASS
		5795	10.66	≤30	PASS
11AC80SISO	Ant1	5775	7.40	≤30	PASS

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



E.3 Maximum power spectral density

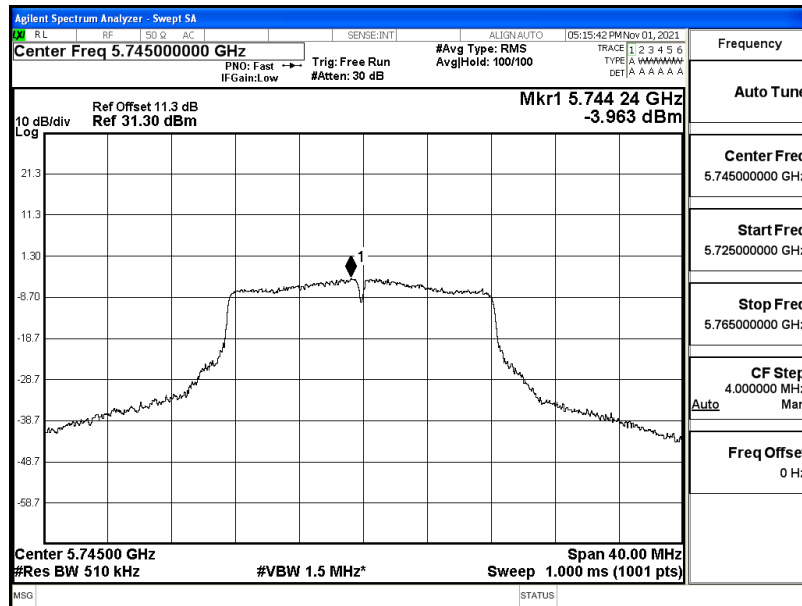
Test Result

TestMode	Antenna	Channel	Result [dBm/500kHz]	Limit[dBm/500kHz]	Verdict
11A	Ant1	5745	-3.96	≤30	PASS
		5785	-3.77	≤30	PASS
		5825	-4.2	≤30	PASS
11N20SISO	Ant1	5745	-4.35	≤30	PASS
		5785	-4.29	≤30	PASS
		5825	-4.45	≤30	PASS
11N40SISO	Ant1	5755	-5.8	≤30	PASS
		5795	-5.84	≤30	PASS
11AC20SISO	Ant1	5745	-1.79	≤30	PASS
		5785	-2.26	≤30	PASS
		5825	-2.44	≤30	PASS
11AC40SISO	Ant1	5755	-5.3	≤30	PASS
		5795	-5.9	≤30	PASS
11AC80SISO	Ant1	5775	-13.64	≤30	PASS

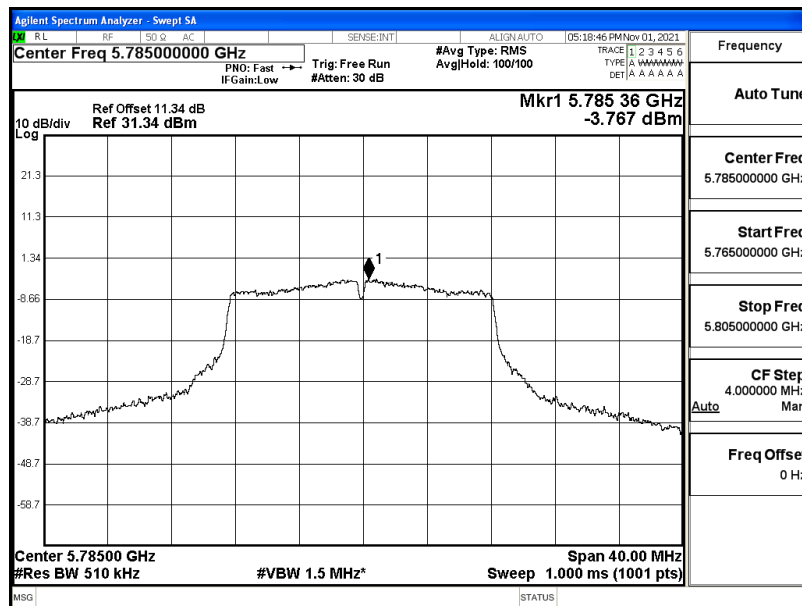


Test Graphs

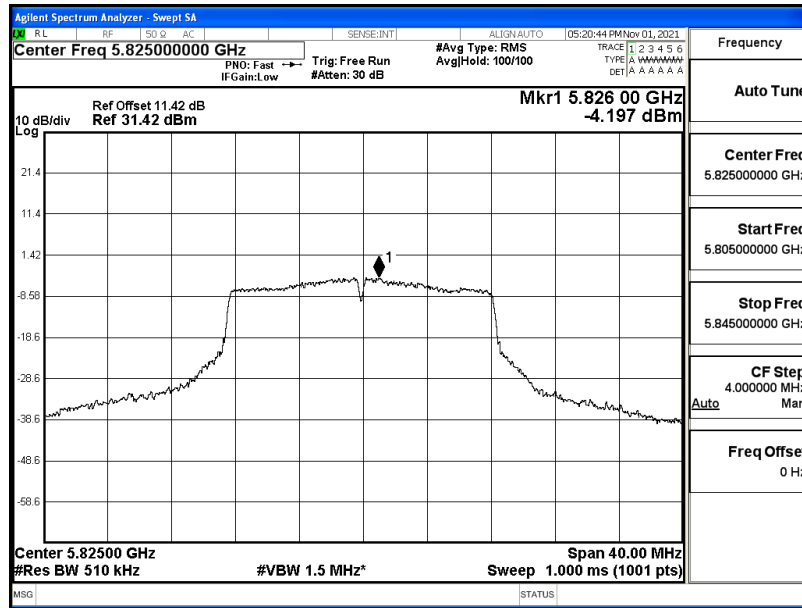
11A_Ant1_5745



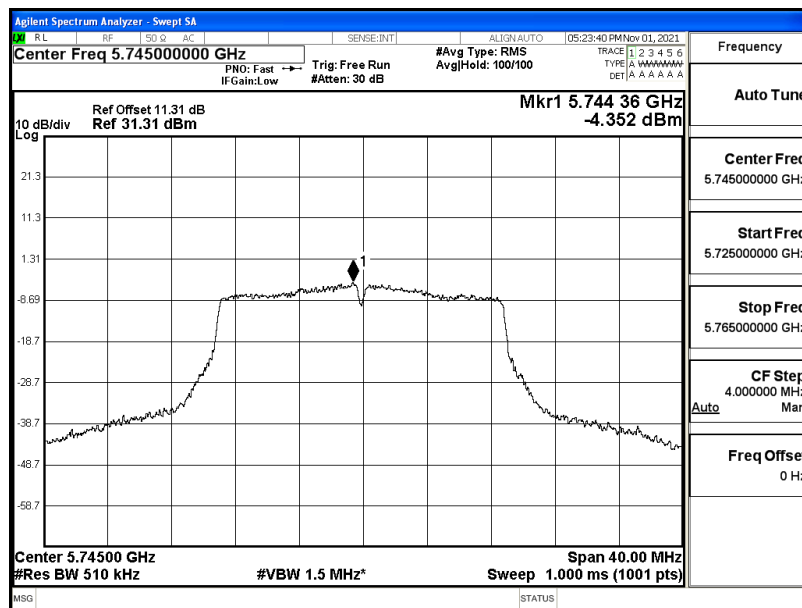
11A_Ant1_5785



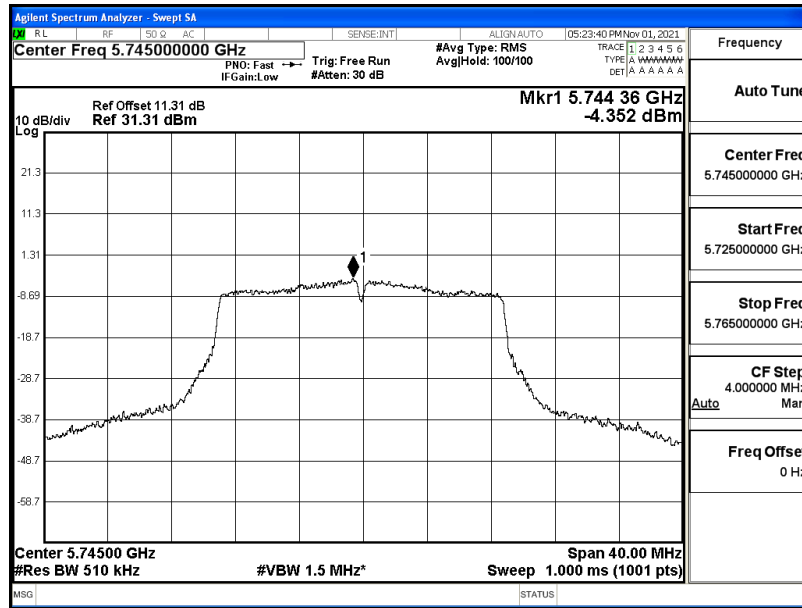
11A_Ant1_5825



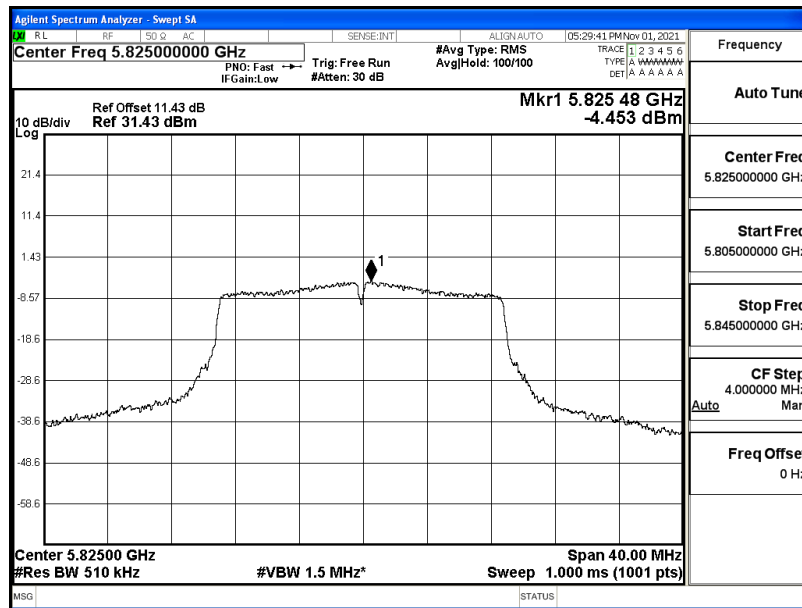
11N20SISO_Ant1_5745



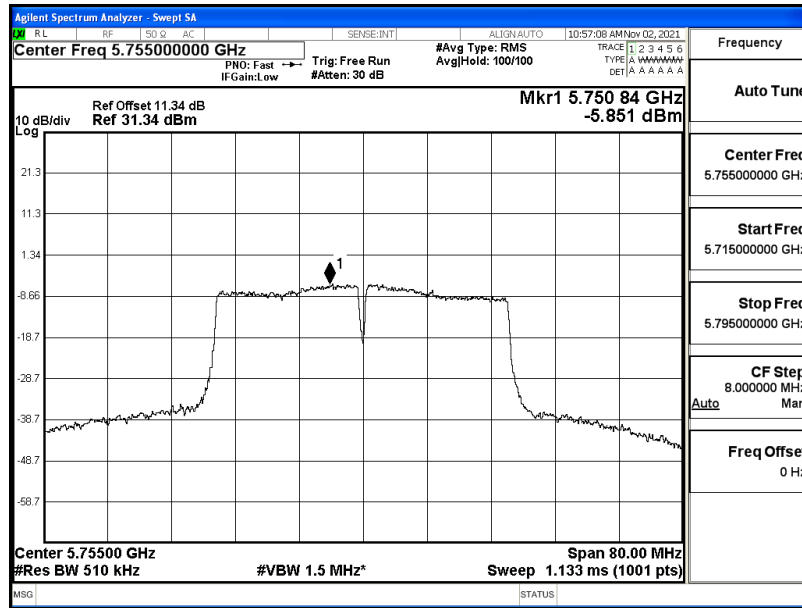
11N20SISO_Ant1_5785



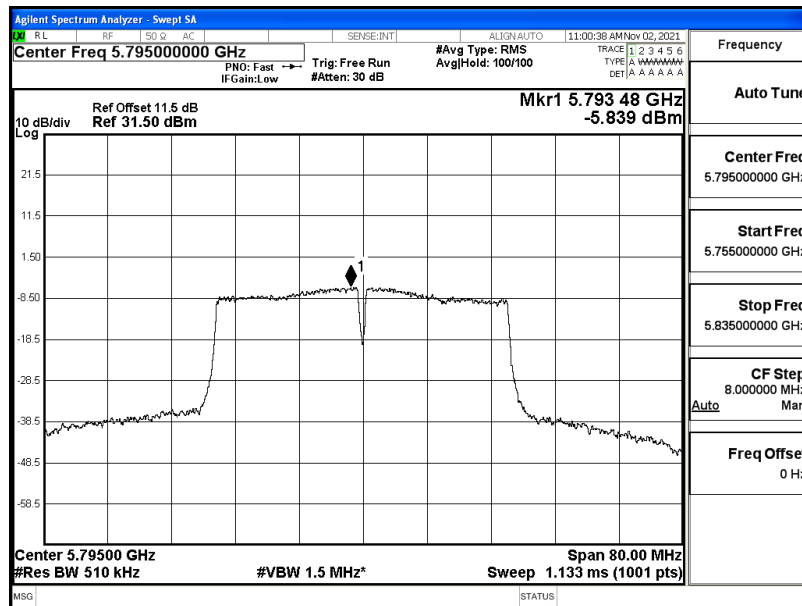
11N20SISO_Ant1_5825



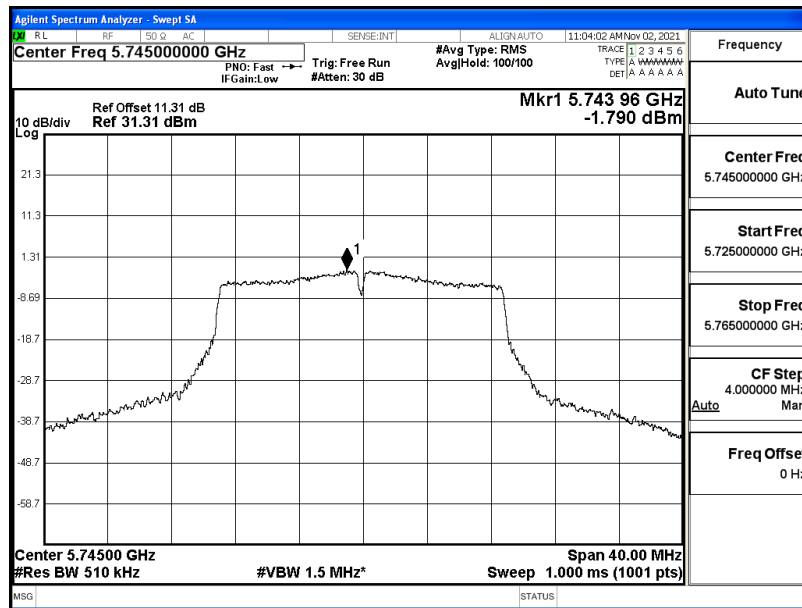
11N40SISO_Ant1_5755



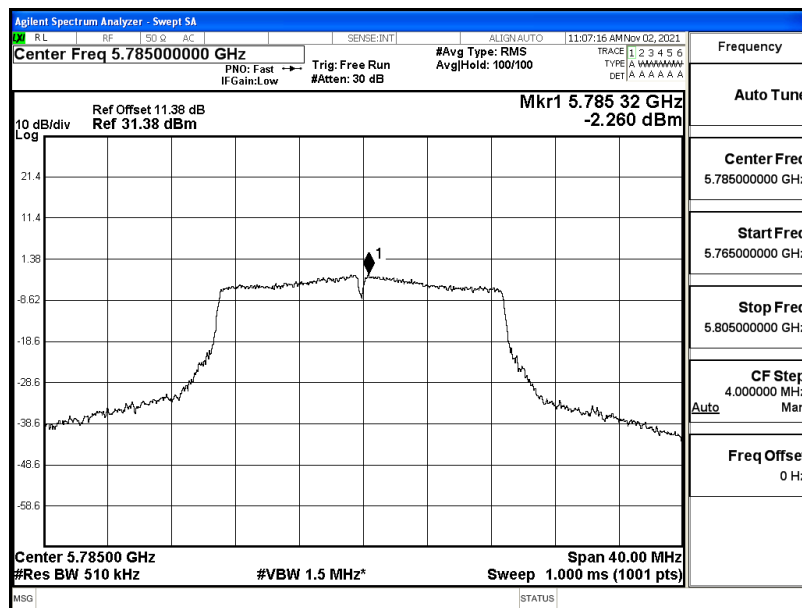
11N40SISO_Ant1_5795



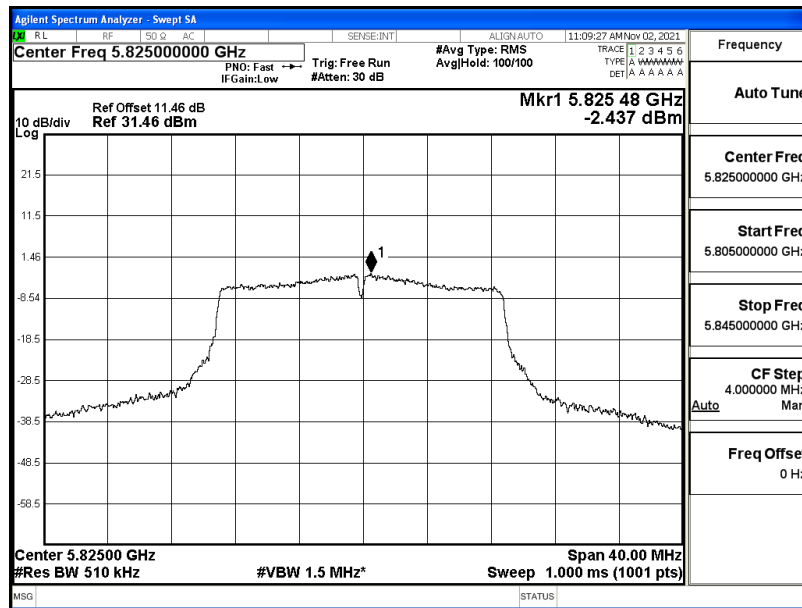
11AC20SISO_Ant1_5745



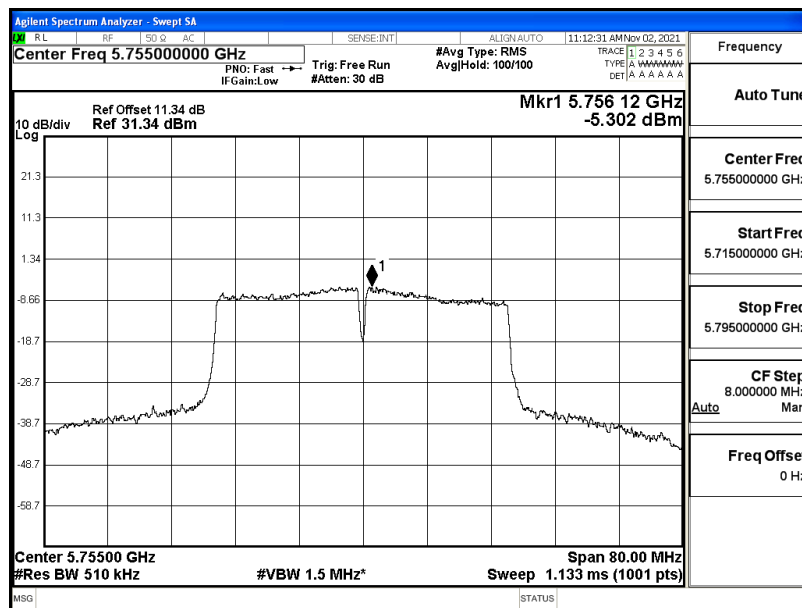
11AC20SISO_Ant1_5785



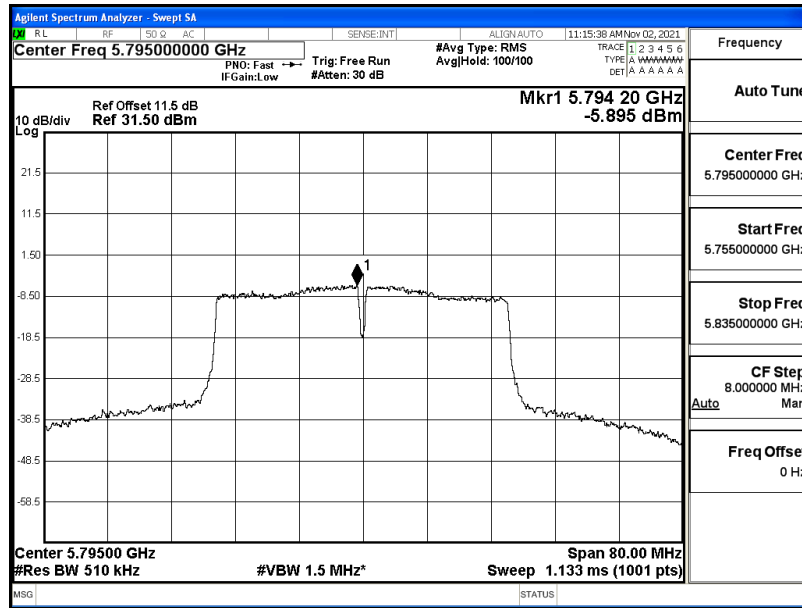
11AC20SISO_Ant1_5825



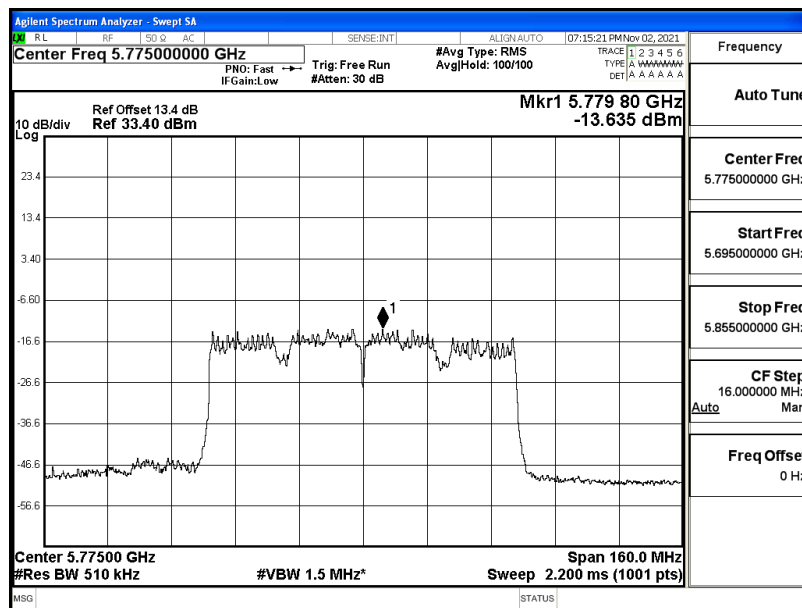
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.4 Emissions in Restricted Bands

Test Result

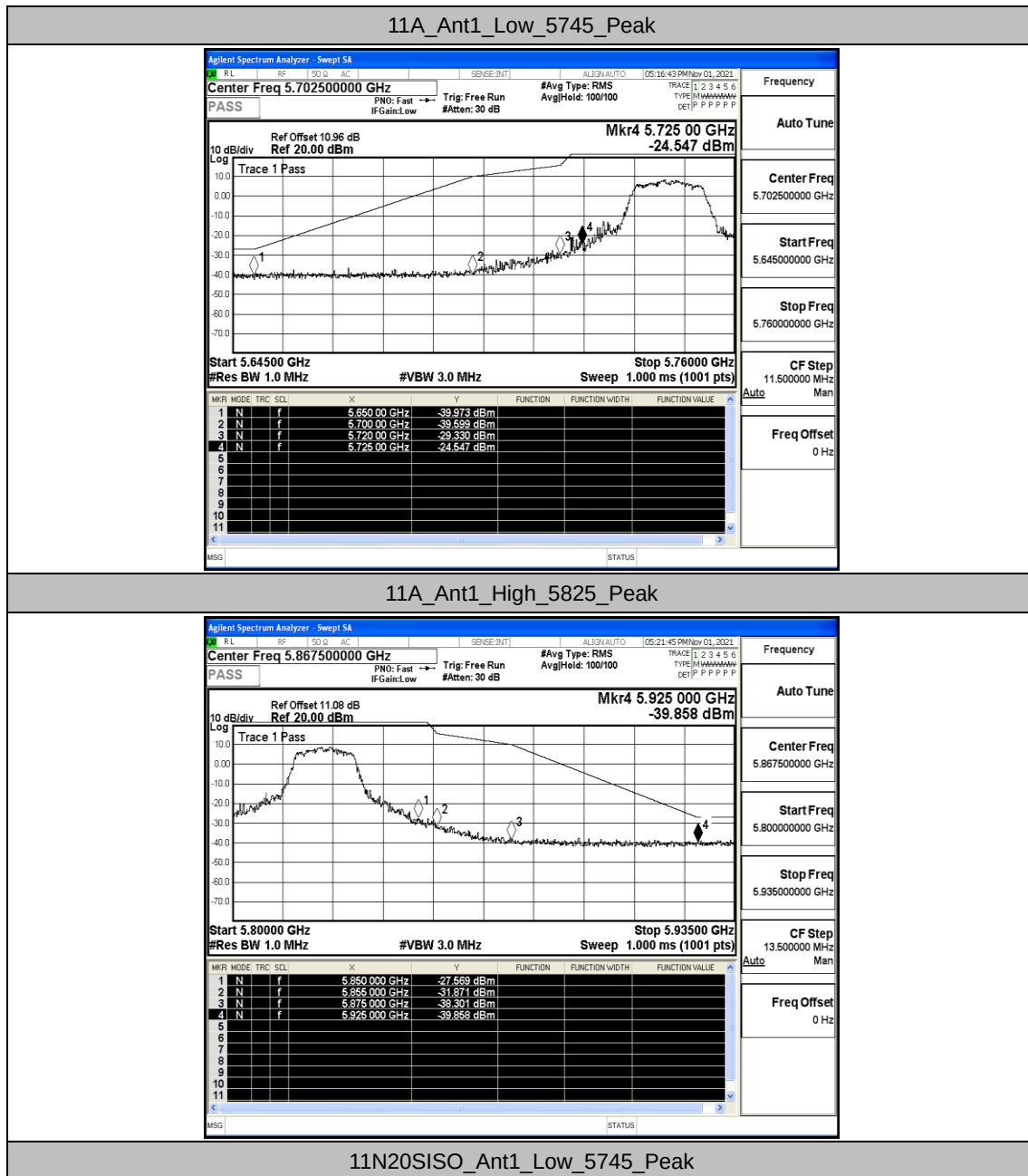
TestMode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	5745	Peak	5650.000	-39.973	≤ -27.00	PASS
		Peak	5700.000	-39.6	≤ 10.00	PASS
		Peak	5720.000	-29.33	≤ 15.60	PASS
		Peak	5725.000	-24.55	≤ 27.00	PASS
	5825	Peak	5850.000	-27.569	≤ 15.60	PASS
		Peak	5855.000	-31.87	≤ 27.00	PASS
		Peak	5875.000	-38.3	≤ 15.60	PASS
		Peak	5925.000	-39.86	≤ 10.00	PASS
11N20SISO	5745	Peak	5650.000	-38.458	≤ -27.00	PASS
		Peak	5700.000	-40.65	≤ 10.00	PASS
		Peak	5720.000	-32.44	≤ 15.60	PASS
		Peak	5725.000	-28.65	≤ 27.00	PASS
	5825	Peak	5850.000	-32.411	≤ 15.60	PASS
		Peak	5855.000	-32.48	≤ 27.00	PASS
		Peak	5875.000	-39.73	≤ 15.60	PASS
		Peak	5925.000	-40.3	≤ 10.00	PASS
11N40SISO	5755	Peak	5650.000	-39.516	≤ -27.00	PASS
		Peak	5700.000	-36.18	≤ 10.00	PASS
		Peak	5720.000	-24.94	≤ 15.60	PASS
		Peak	5725.000	-22.7	≤ 27.00	PASS
	5795	Peak	5850.000	-38.951	≤ 15.60	PASS
		Peak	5855.000	-39.67	≤ 27.00	PASS
		Peak	5875.000	-39.99	≤ 15.60	PASS
		Peak	5925.000	-40.89	≤ 10.00	PASS
11AC20SISO	5745	Peak	5650.000	-37.8	≤ -27.00	PASS
		Peak	5700.000	-39.37	≤ 10.00	PASS
		Peak	5720.000	-30.76	≤ 15.60	PASS
		Peak	5725.000	-22.88	≤ 27.00	PASS
	5825	Peak	5850.000	-30.049	≤ 15.60	PASS
		Peak	5855.000	-32.59	≤ 27.00	PASS
		Peak	5875.000	-39.62	≤ 15.60	PASS
		Peak	5925.000	-41.09	≤ 10.00	PASS
11AC40SISO	5755	Peak	5650.000	-39.104	≤ -27.00	PASS
		Peak	5700.000	-35.11	≤ 10.00	PASS
		Peak	5720.000	-23.6	≤ 15.60	PASS
		Peak	5725.000	-22.13	≤ 27.00	PASS

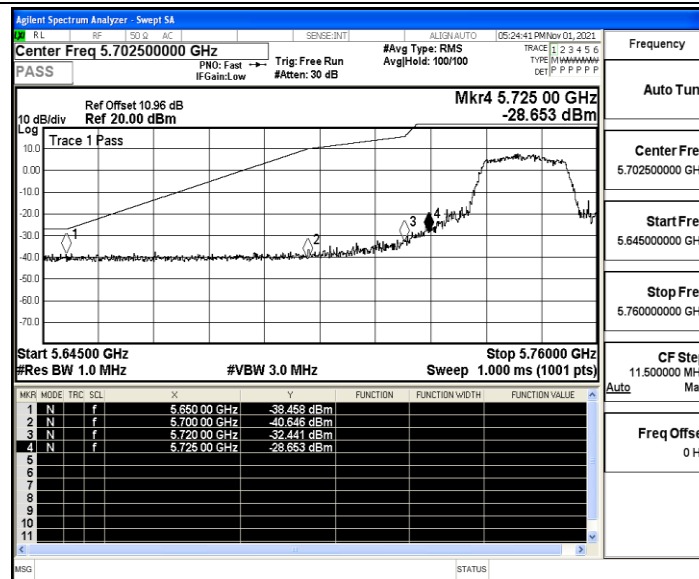


	5795	Peak	5850.000	-38.218	≤15.60	PASS
		Peak	5855.000	-38.67	≤27.00	PASS
		Peak	5875.000	-39.59	≤15.60	PASS
		Peak	5925.000	-40.67	≤10.00	PASS
11AC80SISO	5775	Peak	5650.000	-40.053	≤-27.00	PASS
		Peak	5700.000	-35.85	≤10.00	PASS
		Peak	5720.000	-33.16	≤15.60	PASS
		Peak	5725.000	-33.38	≤27.00	PASS
	5775	Peak	5850.000	-40.47	≤15.60	PASS
		Peak	5855.000	-40.82	≤27.00	PASS
		Peak	5875.000	-40.15	≤15.60	PASS
		Peak	5925.000	-40.2	≤10.00	PASS

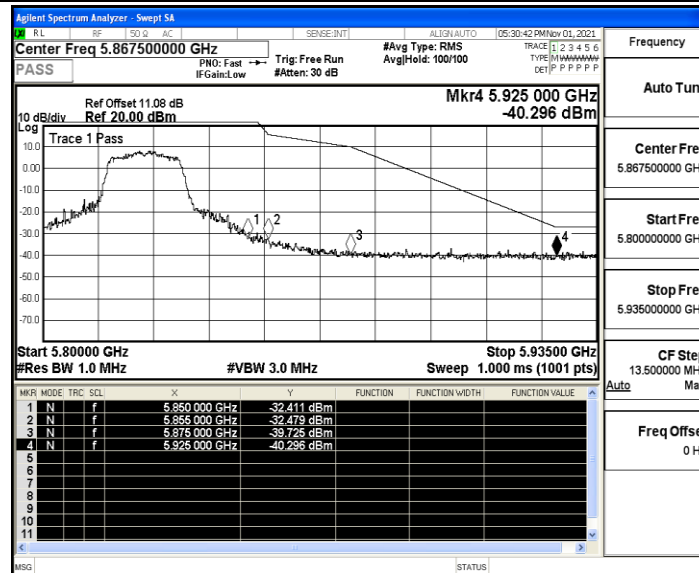


Test Graphs

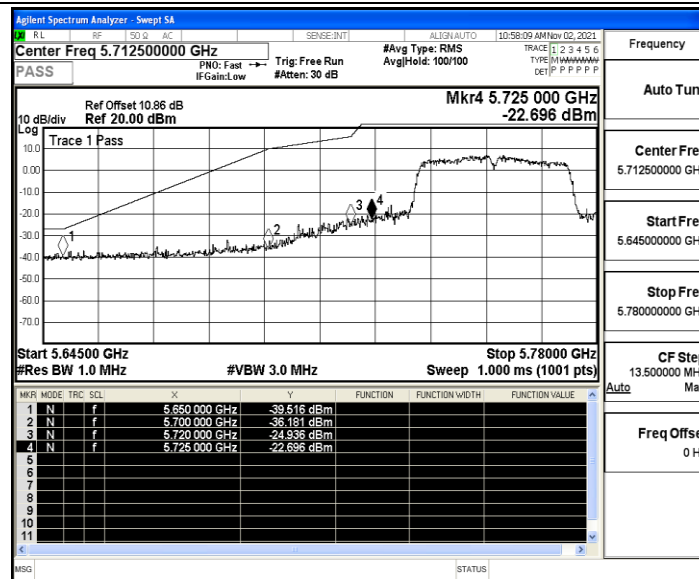




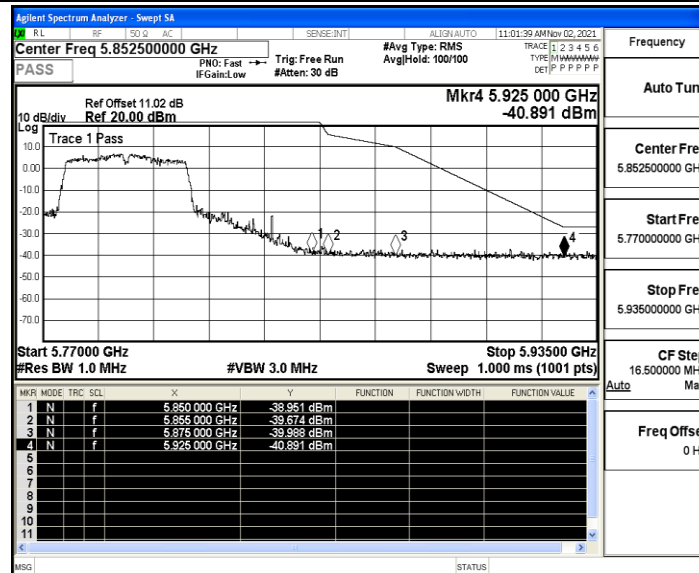
11N20SISO_Ant1_High_5825_Peak



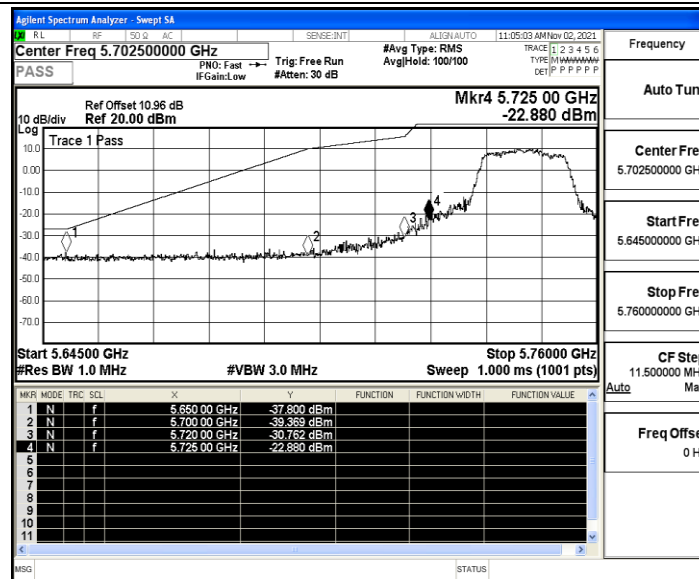
11N40SISO_Ant1_Low_5755_Peak



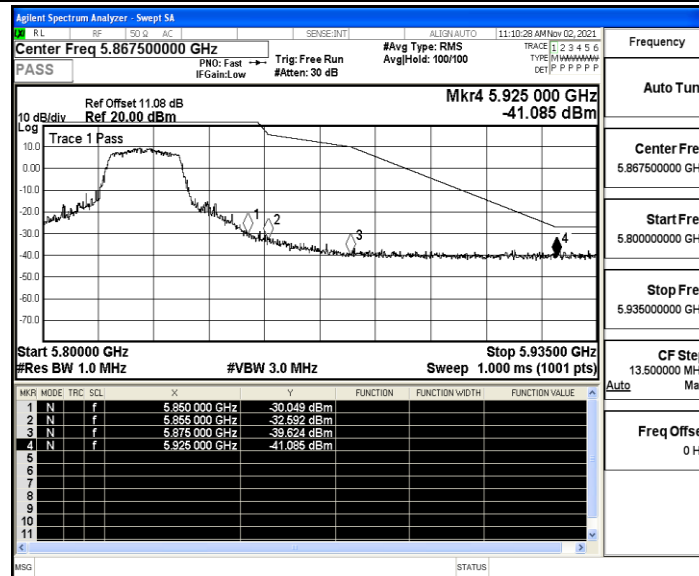
11N40SISO_Ant1_High_5795_Peak



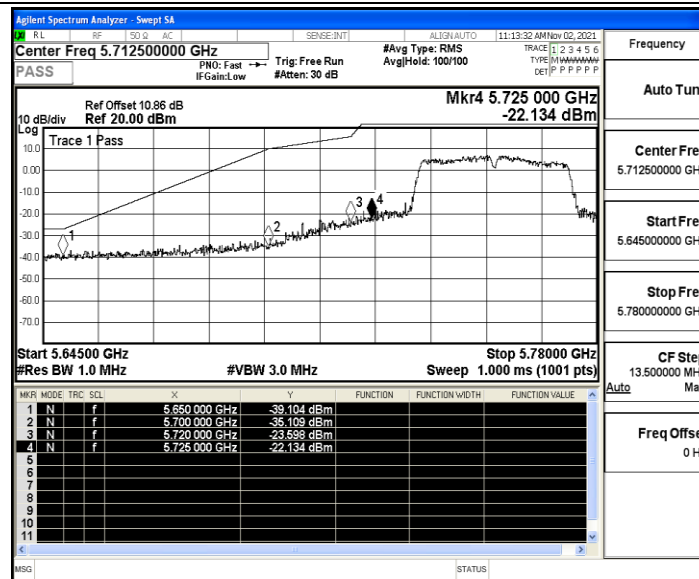
11AC20SISO_Ant1_Low_5745_Peak



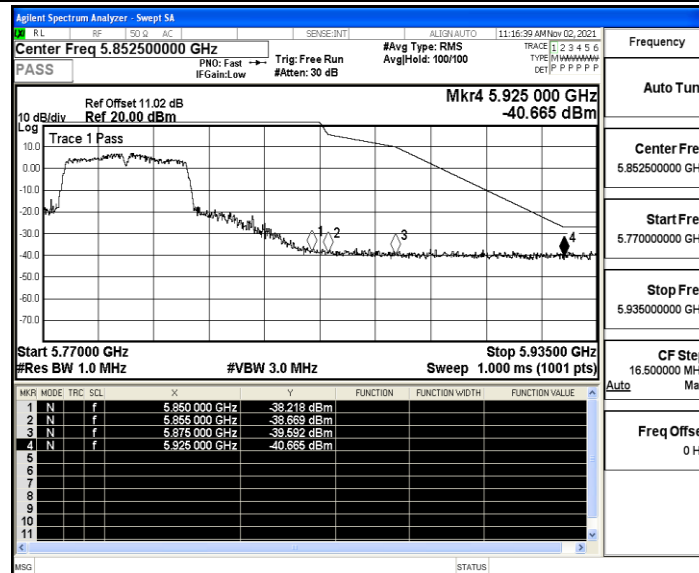
11AC20SISO_Ant1_High_5825_Peak



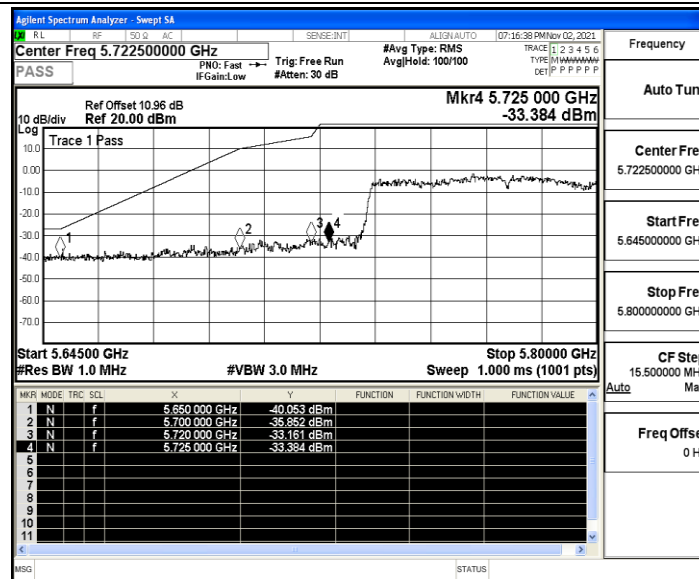
11AC40SISO_Ant1_Low_5755_Peak



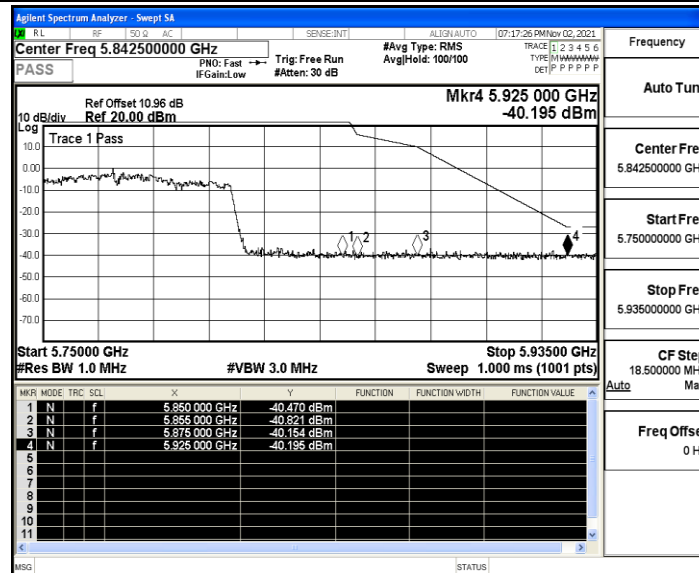
11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak





E.5 Duty Cycle

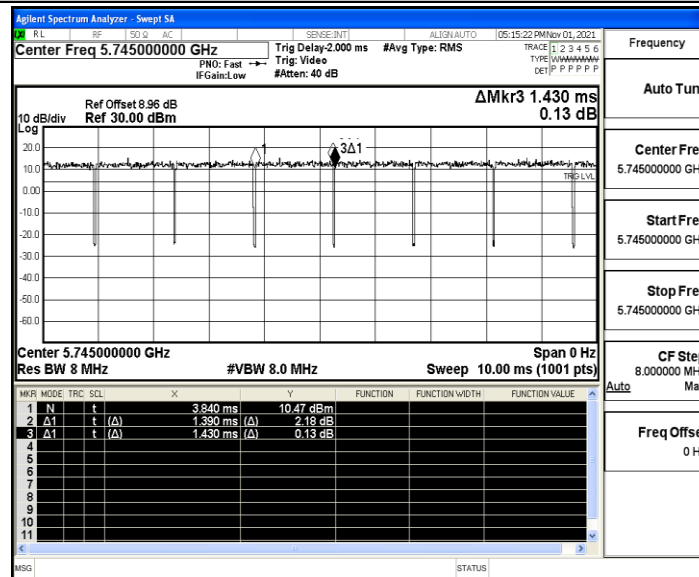
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	1.39	1.43	97.20	---	PASS
		5785	1.39	1.43	97.20	---	PASS
		5825	1.39	1.43	97.20	---	PASS
11N20SISO	Ant1	5745	1.31	1.35	97.04	---	PASS
		5785	1.31	1.35	97.04	---	PASS
		5825	1.31	1.35	97.04	---	PASS
11N40SISO	Ant1	5755	0.64	0.68	94.12	---	PASS
		5795	0.65	0.69	94.20	---	PASS
11AC20SISO	Ant1	5745	1.31	1.35	97.04	---	PASS
		5785	1.31	1.36	96.32	---	PASS
		5825	1.31	1.36	96.32	---	PASS
11AC40SISO	Ant1	5755	0.65	0.69	94.20	---	PASS
		5795	0.65	0.69	94.20	---	PASS
11AC80SISO	Ant1	5775	0.06	0.10	60.00	---	PASS

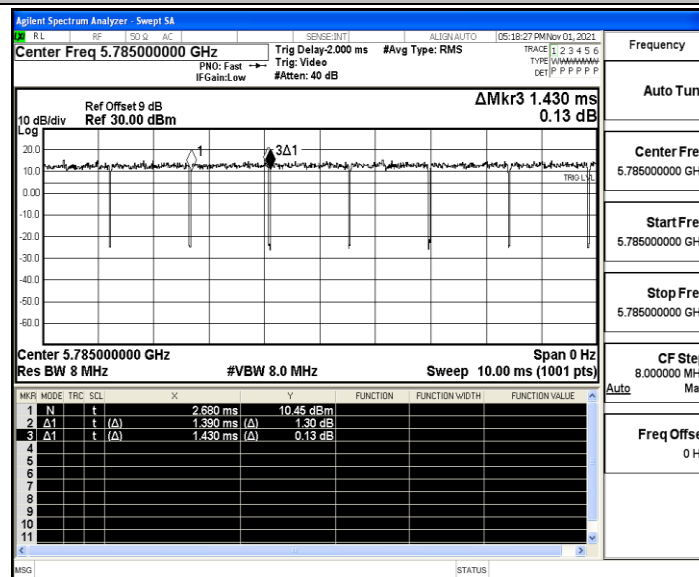


Test Graphs

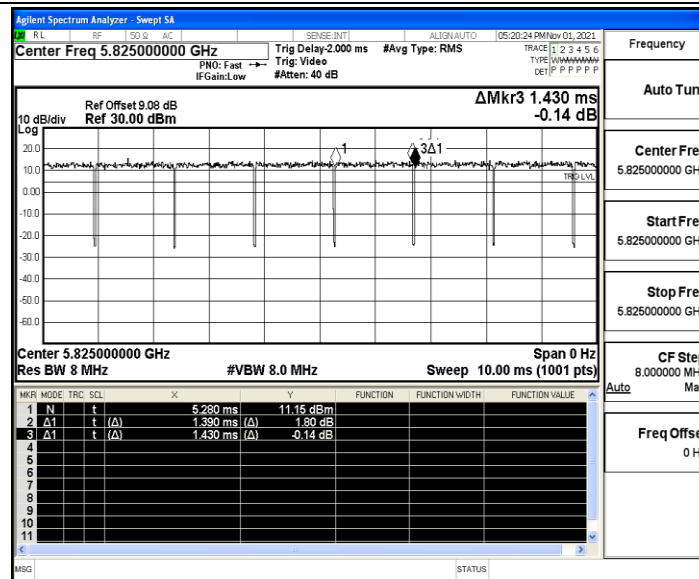
11A_Ant1_5745



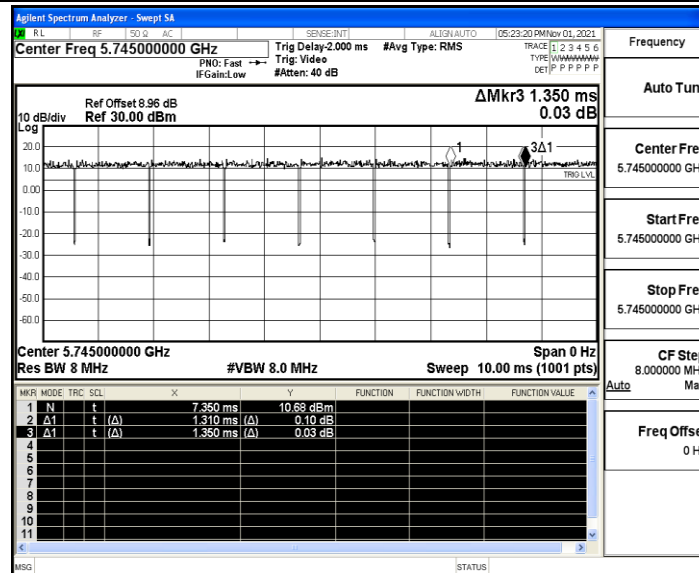
11A_Ant1_5785



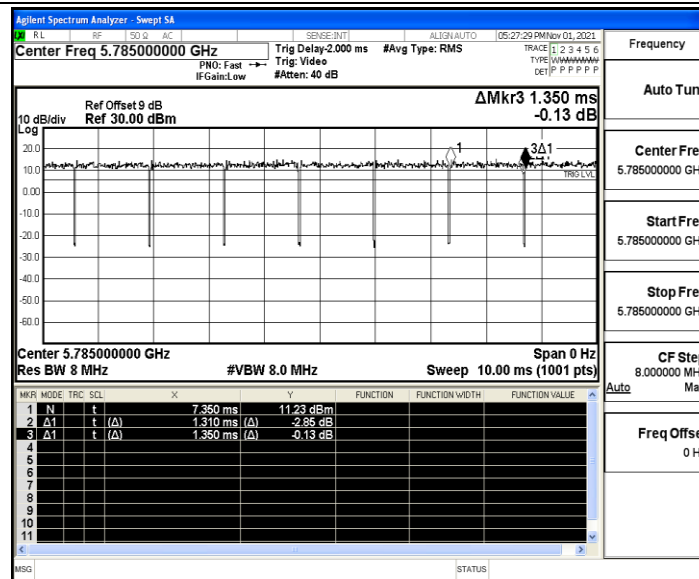
11A_Ant1_5825



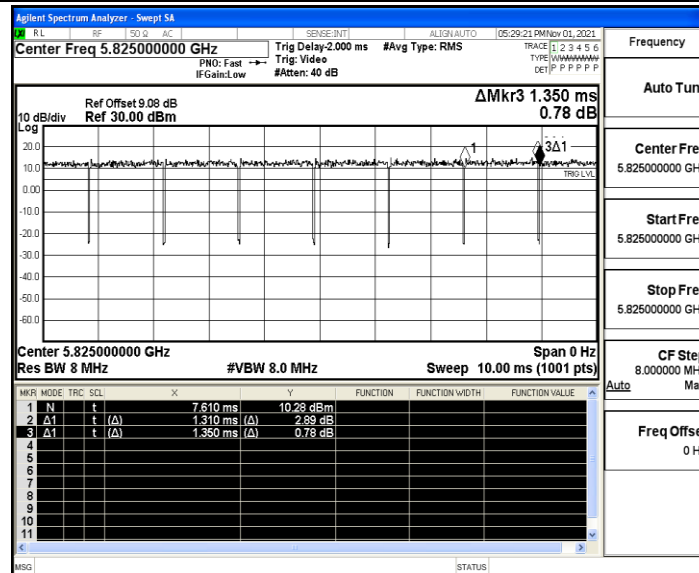
11N20SISO_Ant1_5745



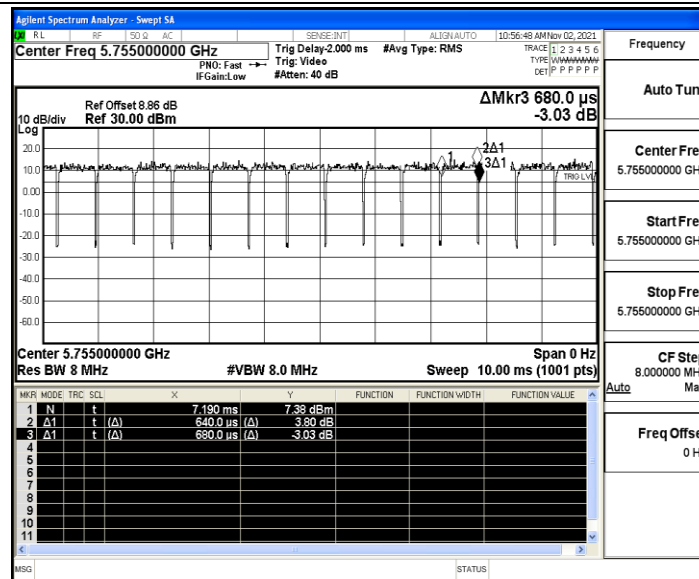
11N20SISO_Ant1_5785



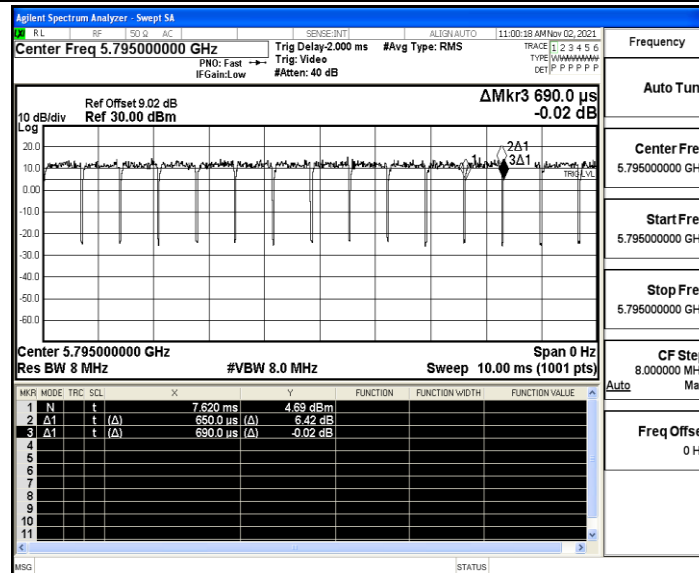
11N20SISO_Ant1_5825



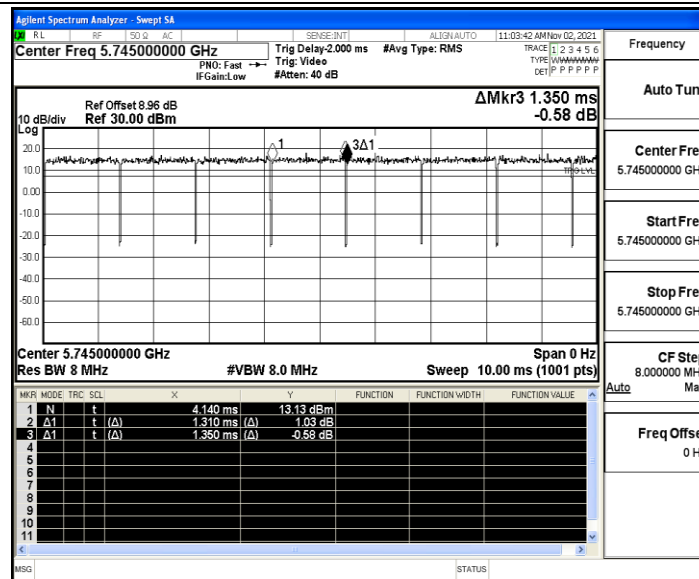
11N40SISO_Ant1_5755



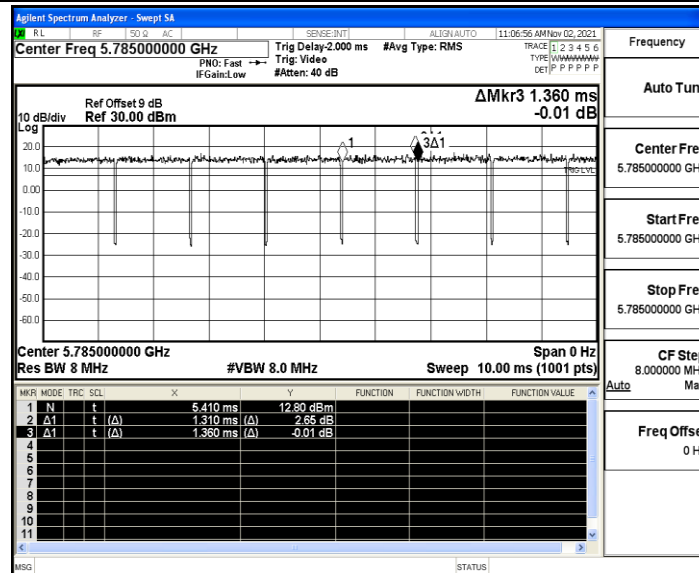
11N40SISO_Ant1_5795



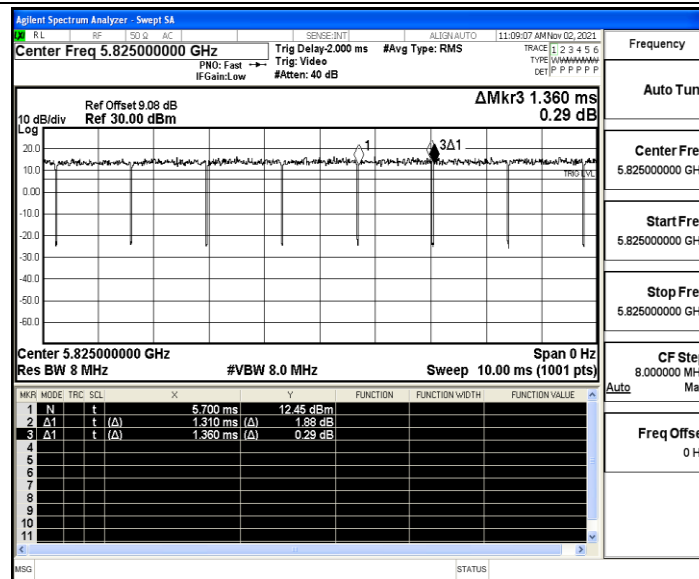
11AC20SISO_Ant1_5745



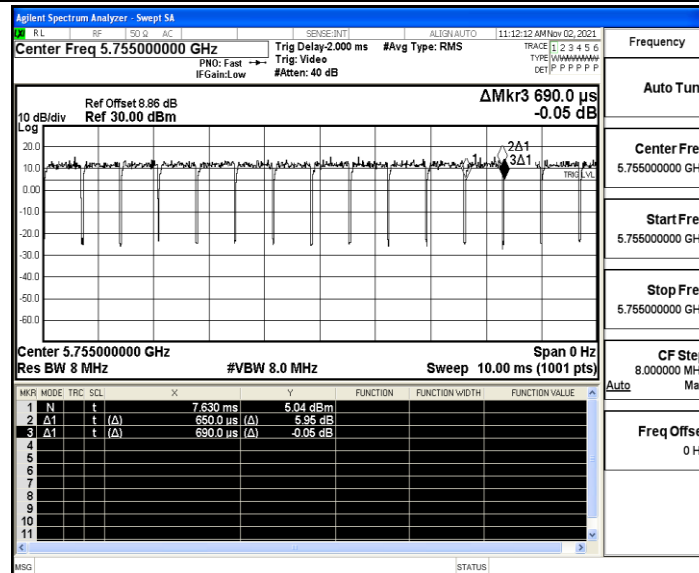
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

