



Appendix C

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: WiFi Pineapple

Test Model: MK7E

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mark Chen
Supervised by:	Libin



C.1 6dB bandwidth

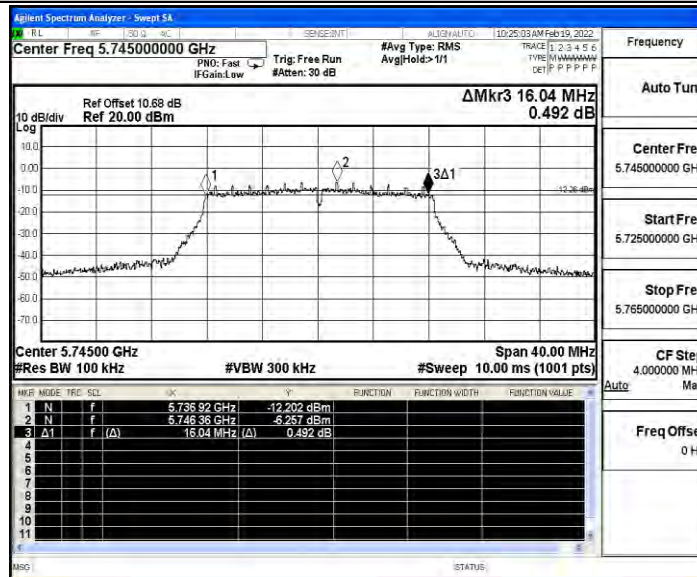
Test Result

TestMode	Channel	6db EBW [MHz]				Limit [MHz]	Verdict
		ANT 4	ANT 5	ANT 6	ANT 7		
11A	5745	16.04	16.24	16.28	16.28	0.5	PASS
	5785	16.08	16.32	16.04	16.08	0.5	PASS
	5825	16.32	16.28	16.04	16.32	0.5	PASS
11N20SISO	5745	17.04	16.56	16.88	17.04	0.5	PASS
	5785	16.64	16.88	16.96	16.92	0.5	PASS
	5825	17.04	17.28	16.88	16.88	0.5	PASS
11N40SISO	5755	35.28	35.12	35.28	35.12	0.5	PASS
	5795	35.12	35.36	35.12	35.04	0.5	PASS
11AC20SISO	5745	17.00	17.04	17.08	17.00	0.5	PASS
	5785	16.88	17.00	17.04	17.00	0.5	PASS
	5825	16.88	17.04	17.12	16.88	0.5	PASS
11AC40SISO	5755	35.28	35.04	35.12	35.12	0.5	PASS
	5795	35.12	35.12	35.12	35.12	0.5	PASS
11AC80SISO	5775	73.92	75.04	75.04	75.04	0.5	PASS

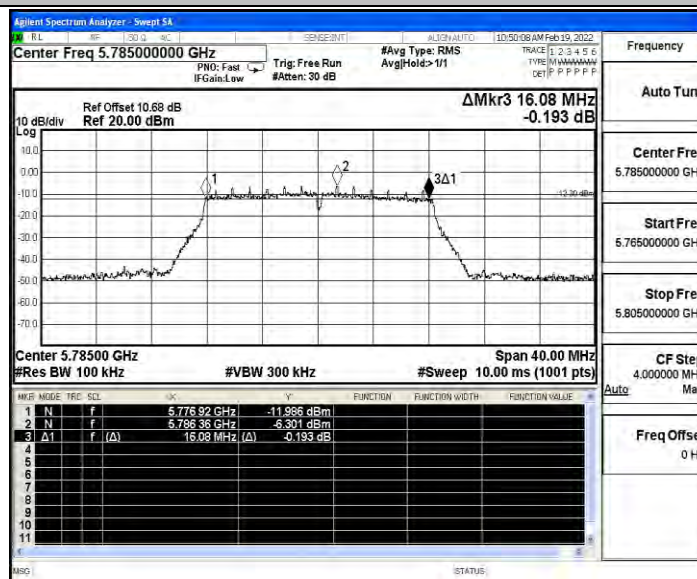


Test Graphs

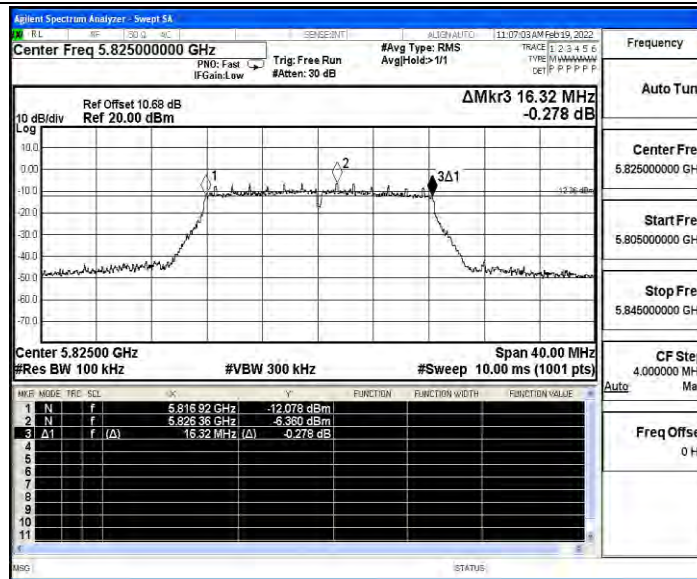
11A_Ant4_5745



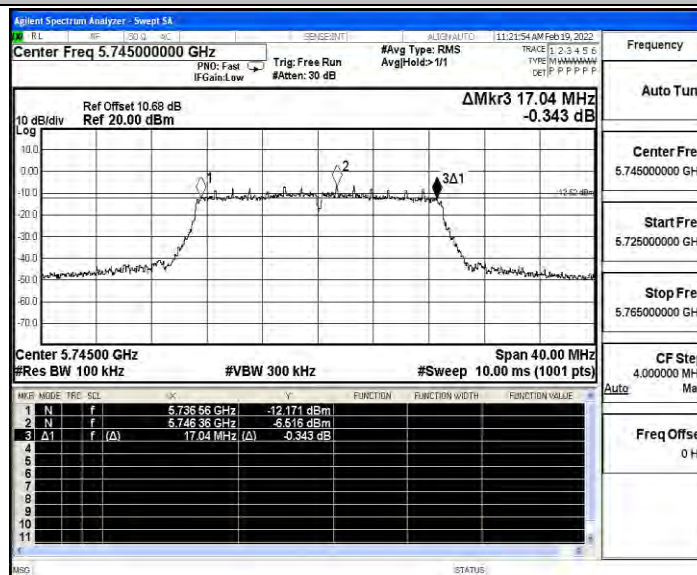
11A_Ant4_5785



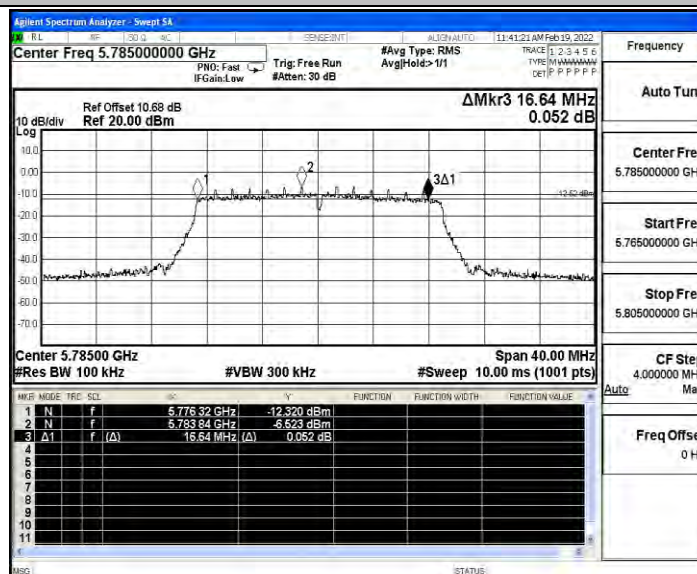
11A_Ant4_5825



11N20SISO_Ant4_5745

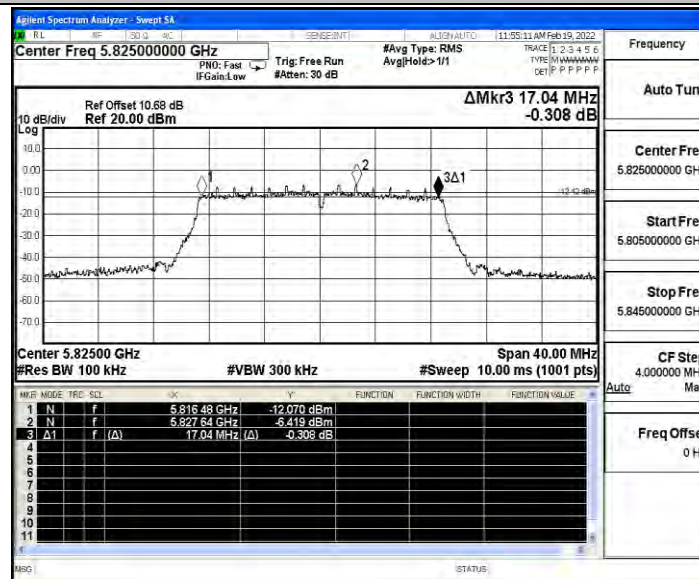


11N20SISO_Ant4_5785

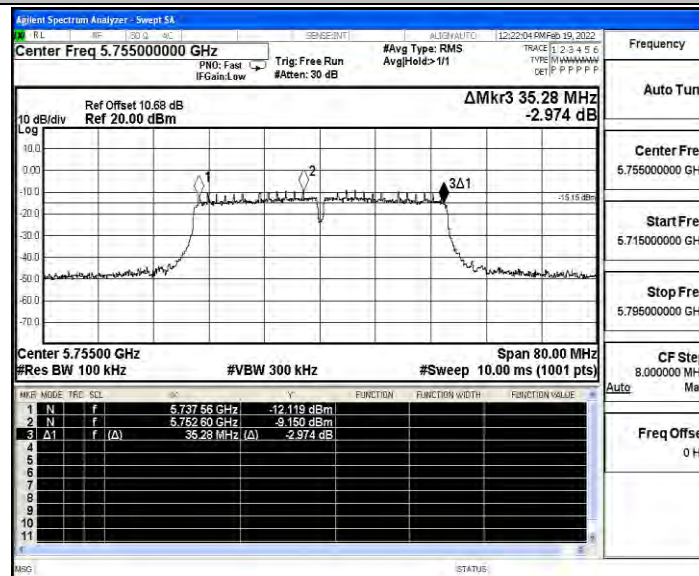




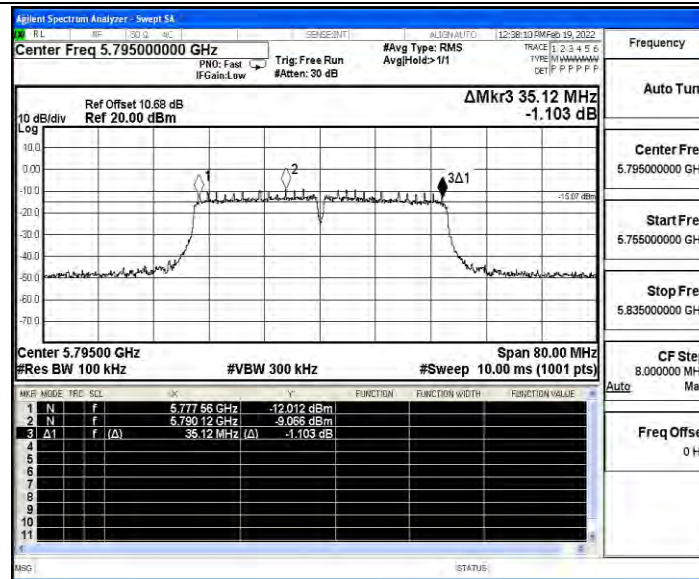
11N20SISO_Ant4_5825



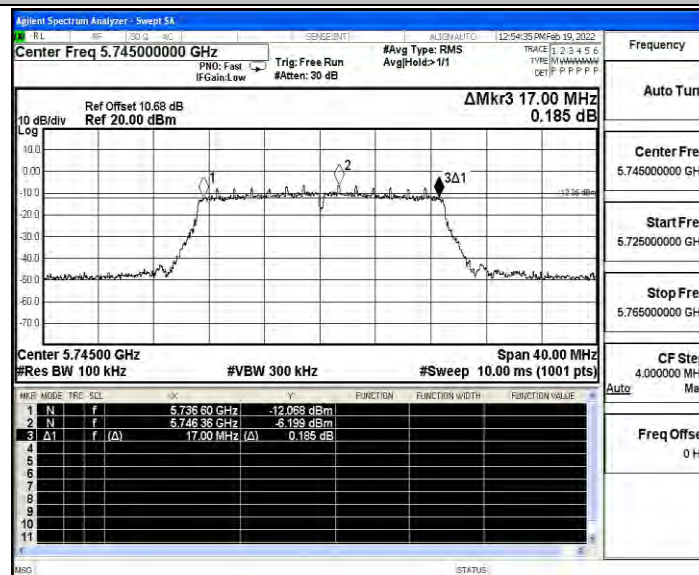
11N40SISO_Ant4_5755



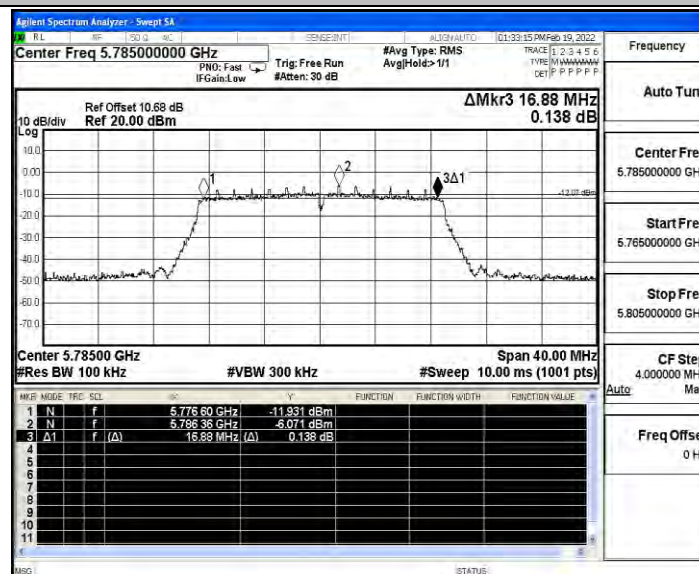
11N40SISO_Ant4_5795



11AC20SISO_Ant4_5745

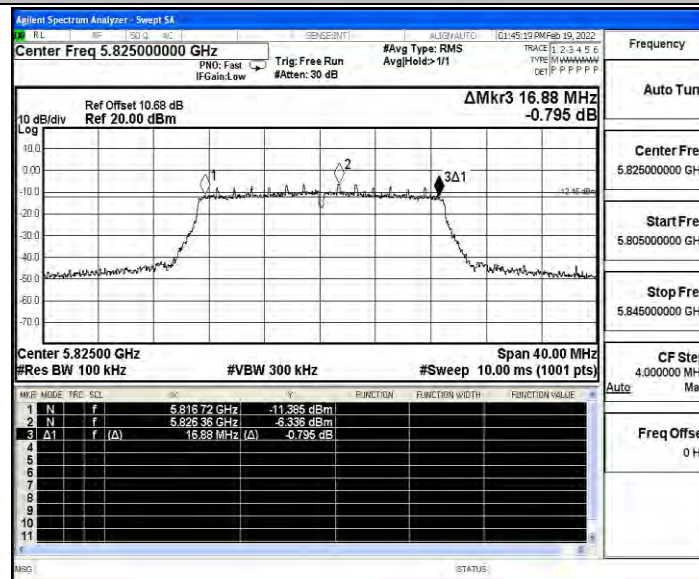


11AC20SISO_Ant4_5785

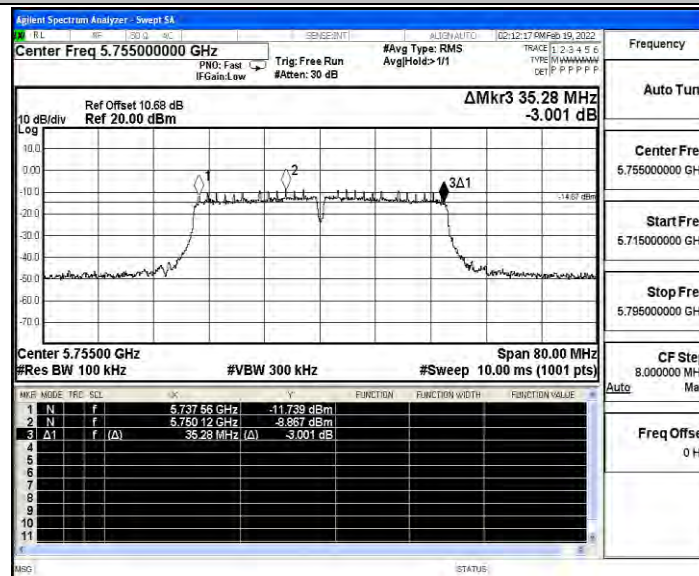




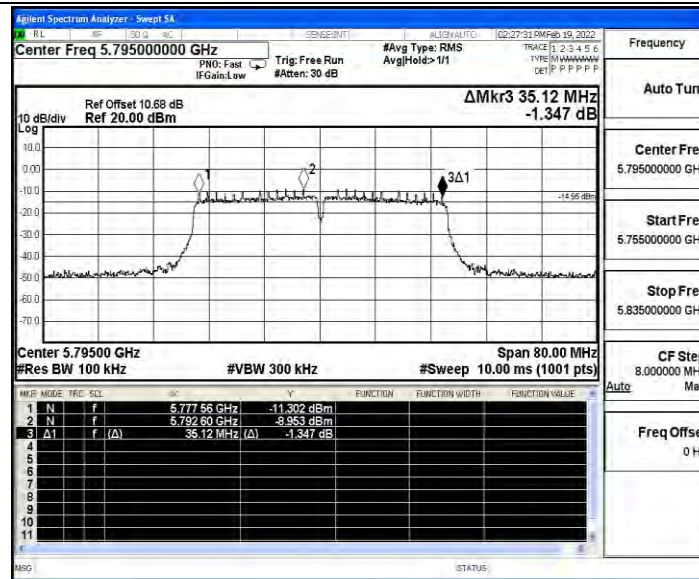
11AC20SISO_Ant4_5825



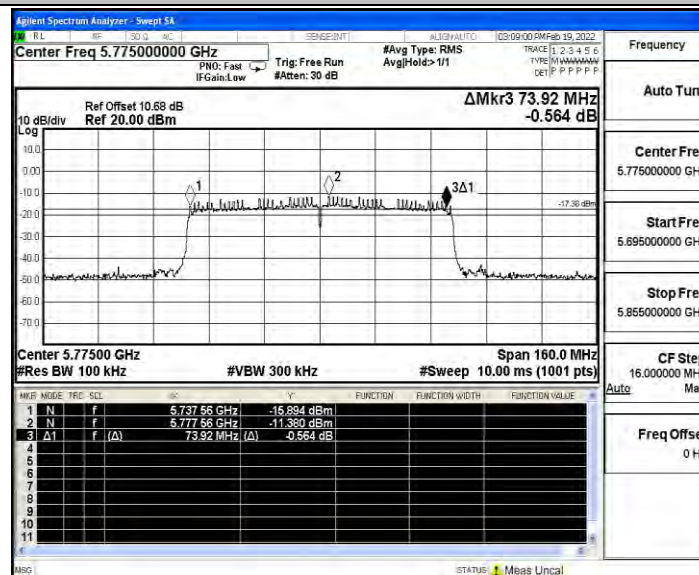
11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795

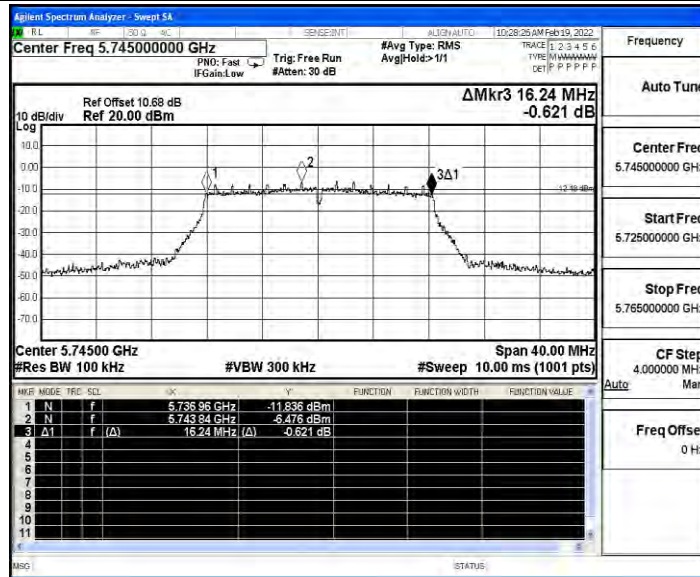


11AC80SISO_Ant4_5775

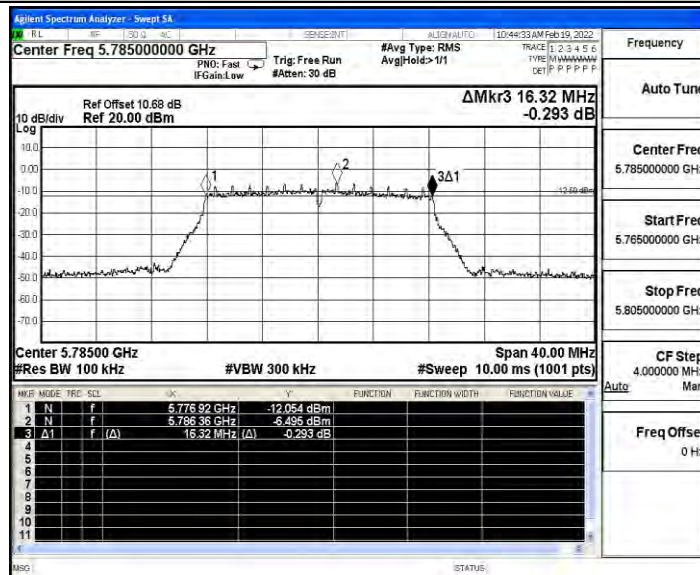




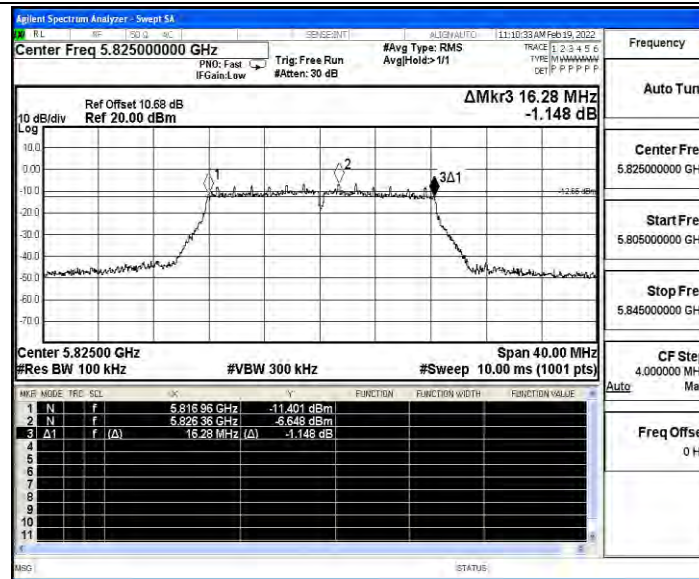
11A_Ant5_5745



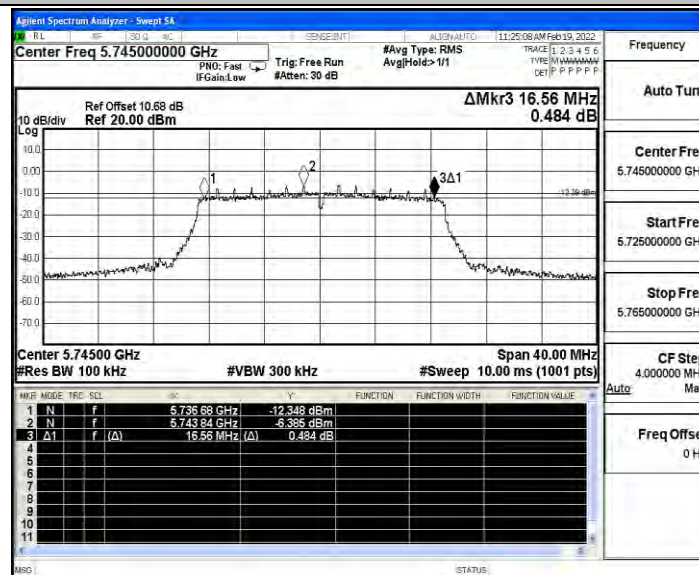
11A_Ant5_5785



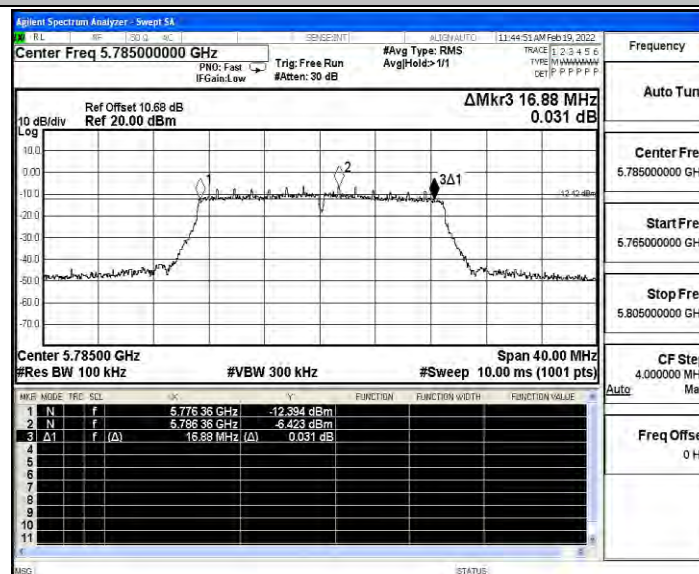
11A_Ant5_5825



11N20SISO_Ant5_5745

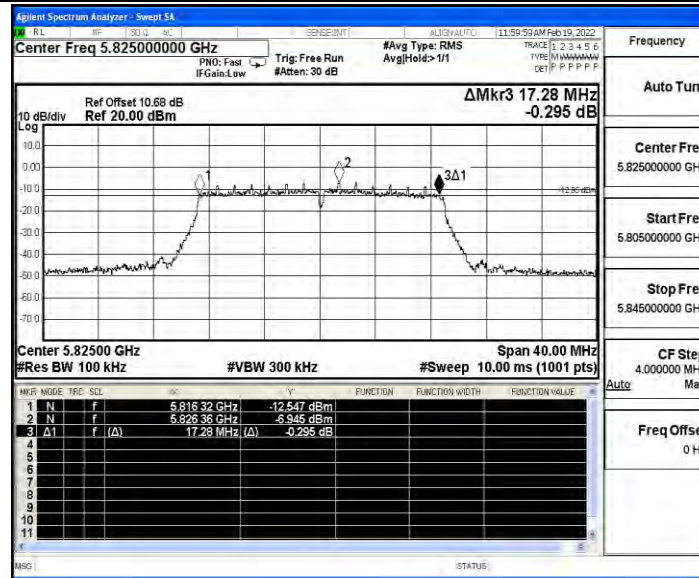


11N20SISO_Ant5_5785

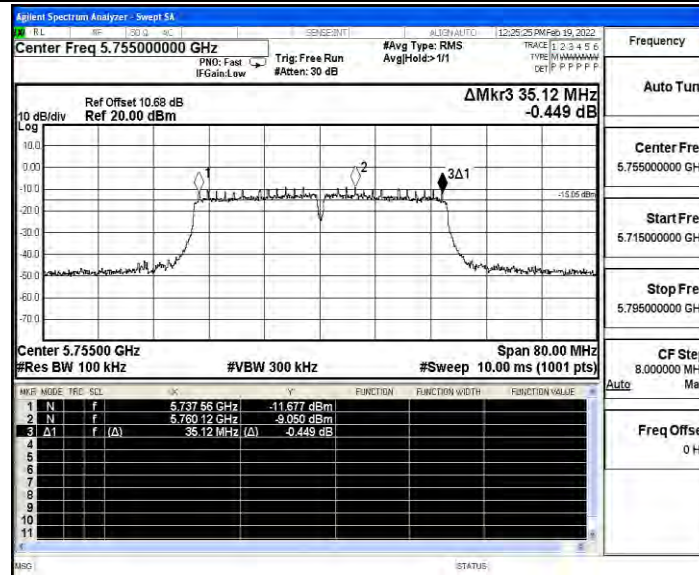




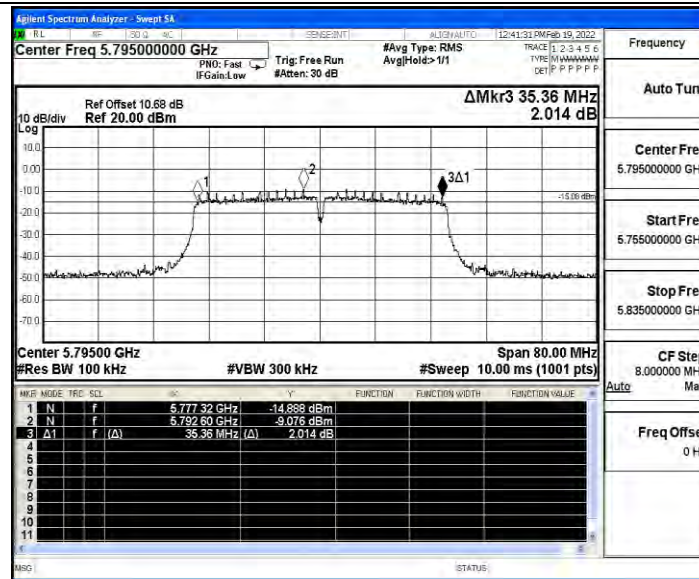
11N20SISO_Ant5_5825



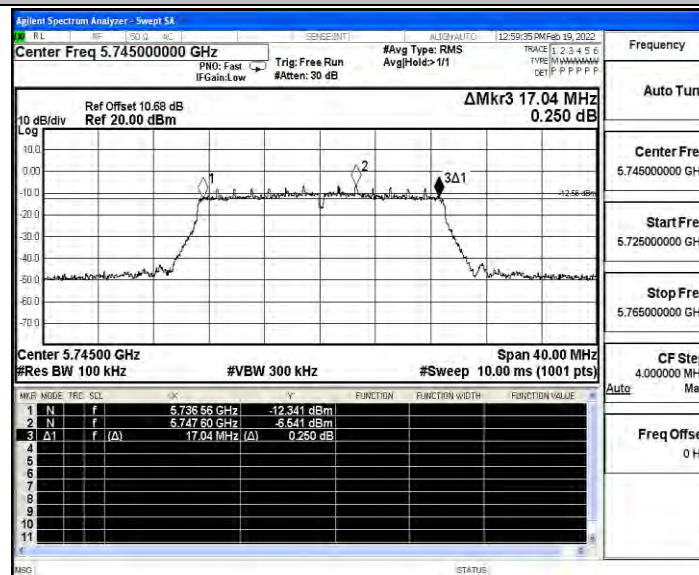
11N40SISO_Ant5_5755



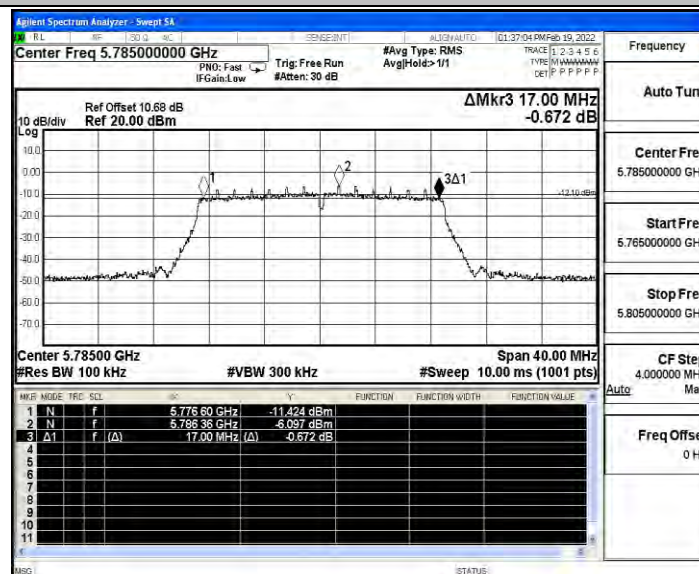
11N40SISO_Ant5_5795



11AC20SISO_Ant5_5745

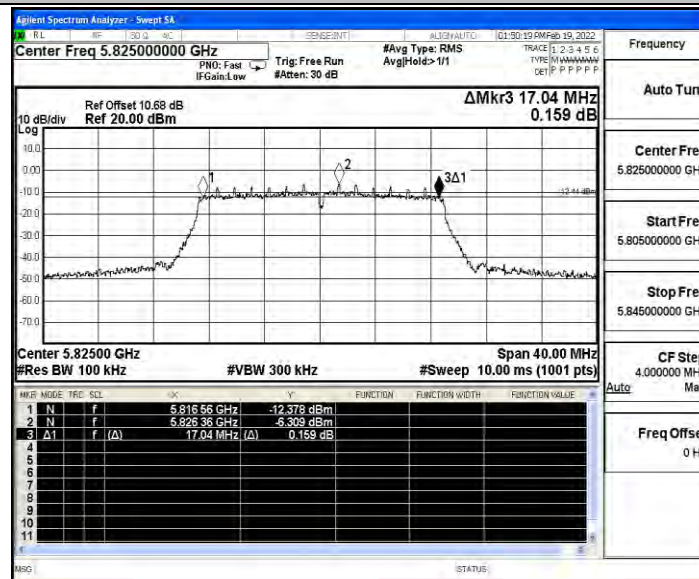


11AC20SISO_Ant5_5785

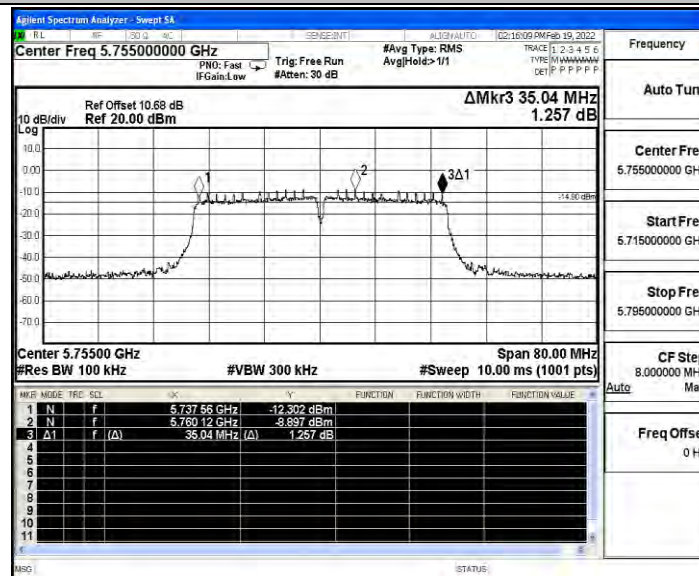




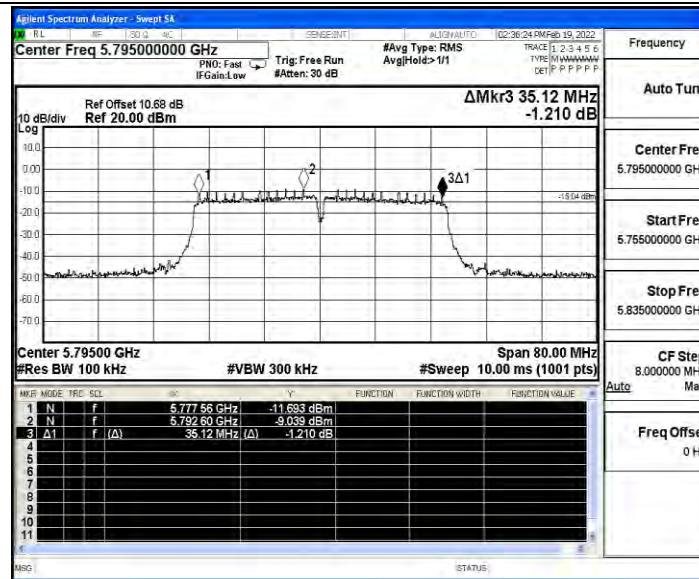
11AC20SISO_Ant5_5825



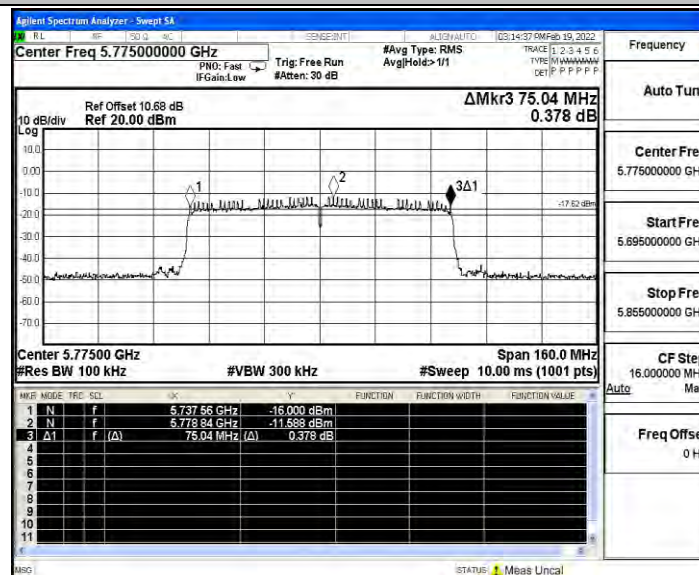
11AC40SISO_Ant5_5755



11AC40SISO_Ant5_5795

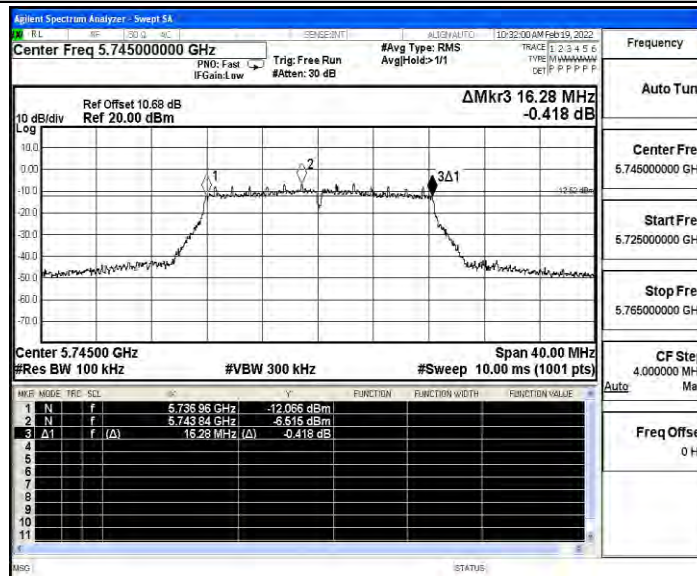


11AC80SISO_Ant5_5775

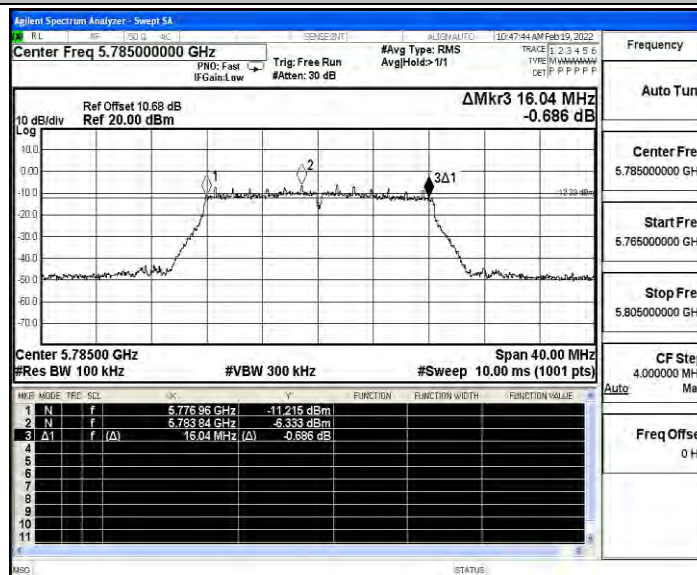




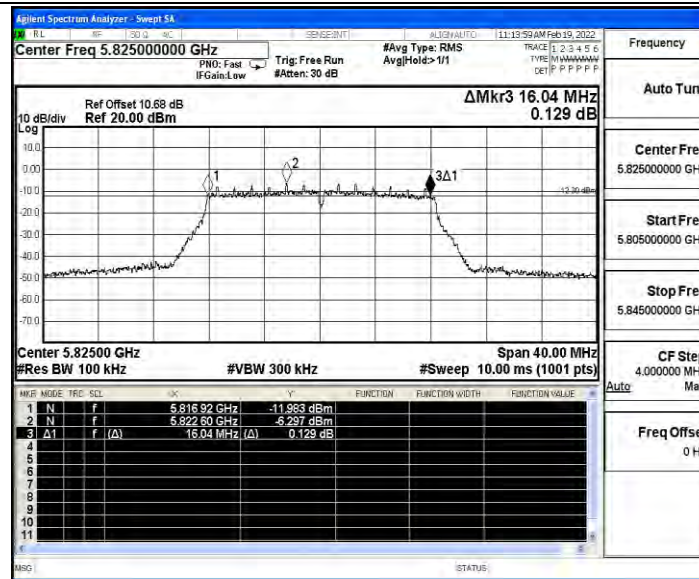
11A_Ant6_5745



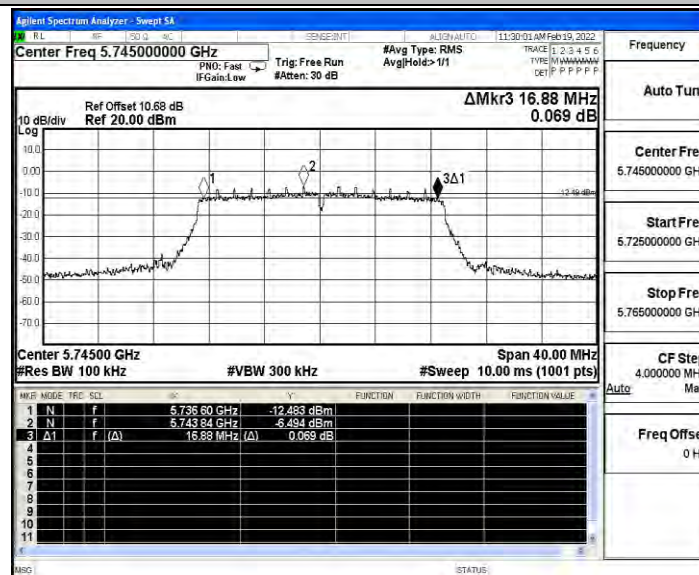
11A_Ant6_5785



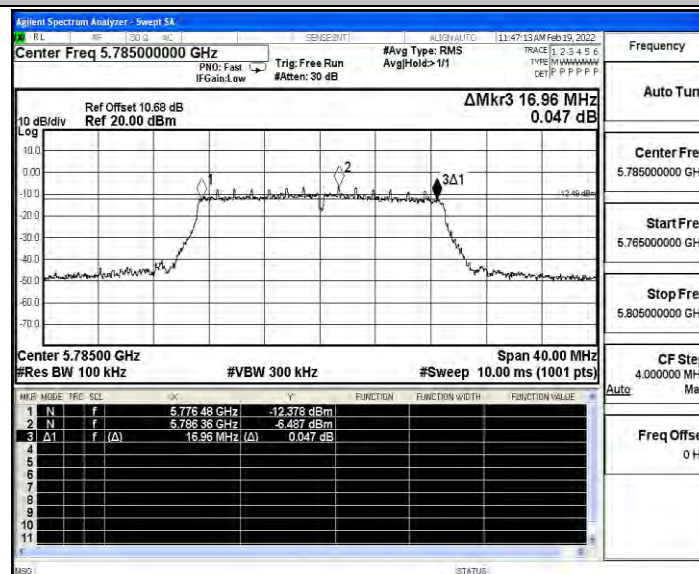
11A_Ant6_5825



11N20SISO_Ant6_5745

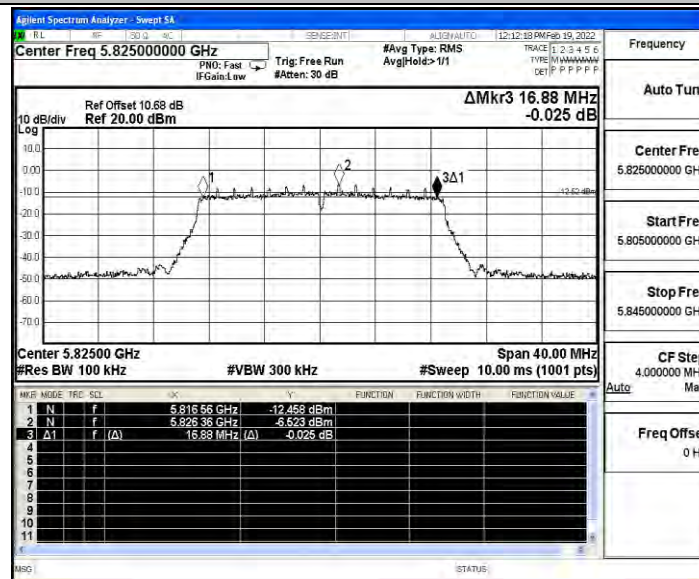


11N20SISO_Ant6_5785

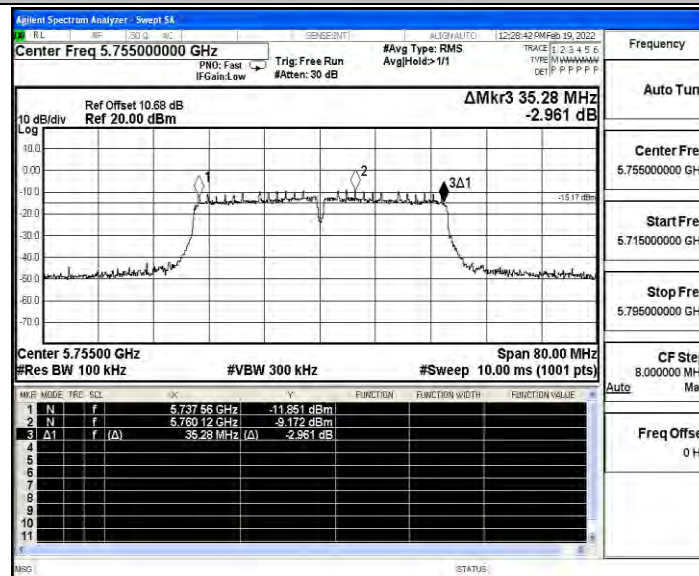




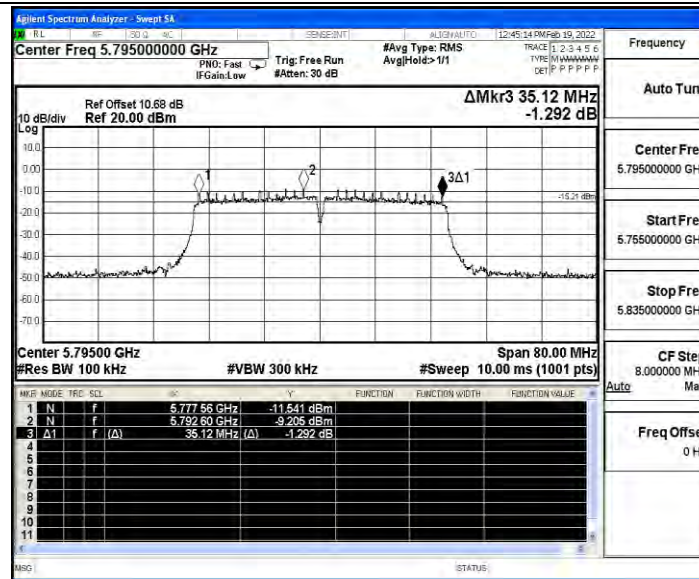
11N20SISO_Ant6_5825



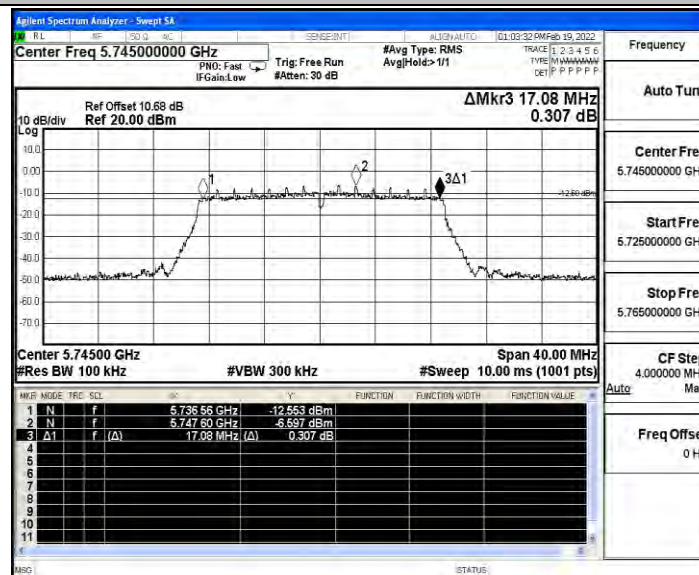
11N40SISO_Ant6_5755



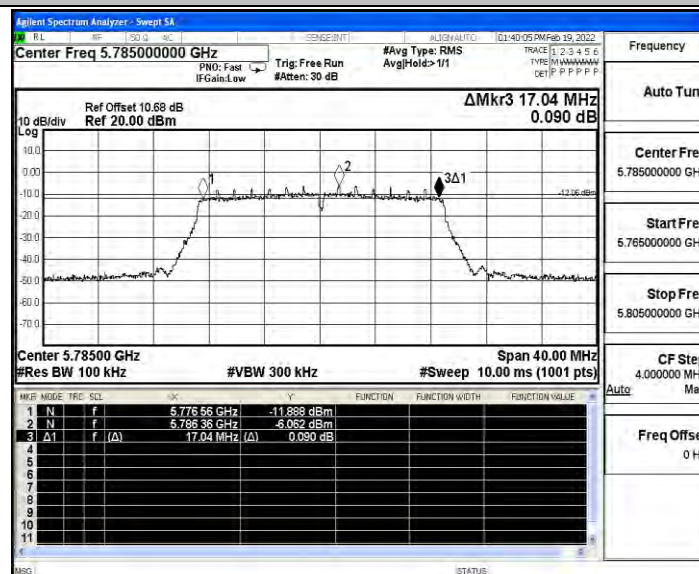
11N40SISO_Ant6_5795



11AC20SISO_Ant6_5745

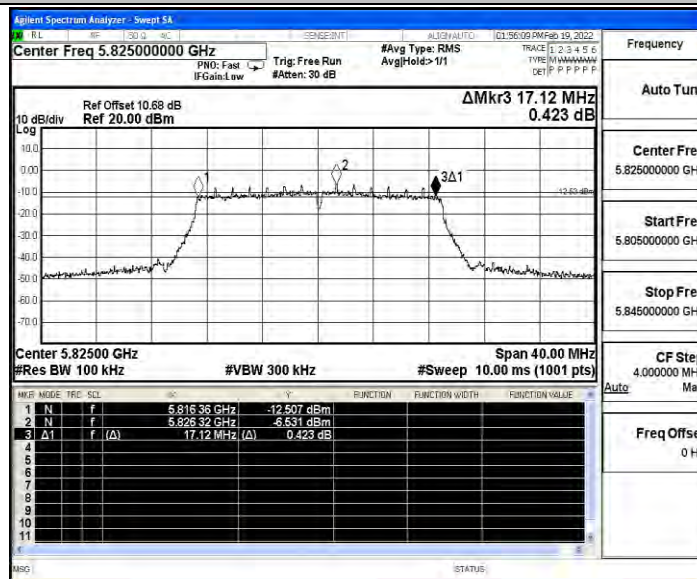


11AC20SISO_Ant6_5785

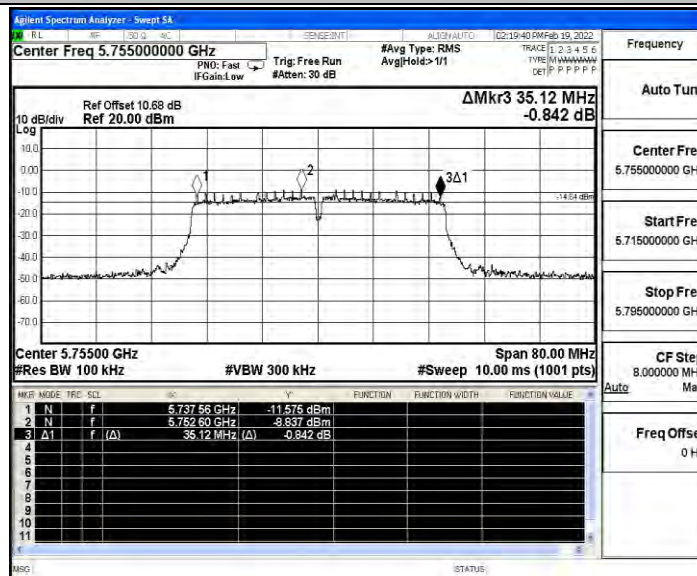




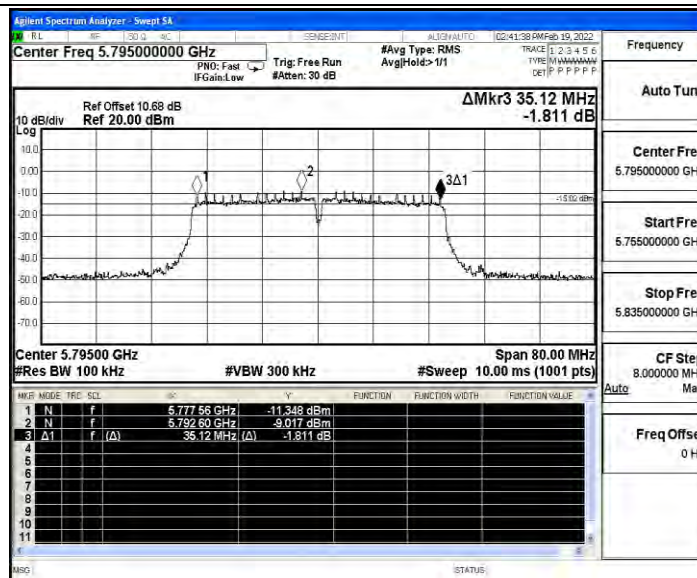
11AC20SISO_Ant6_5825



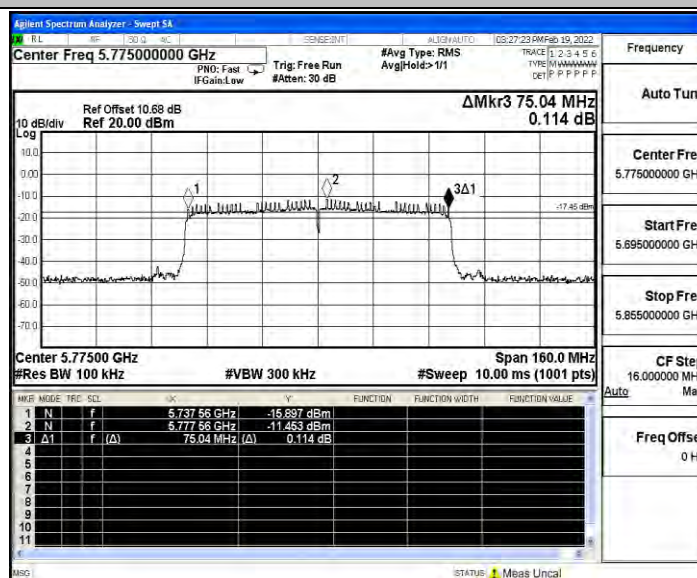
11AC40SISO_Ant6_5755



11AC40SISO_Ant6_5795

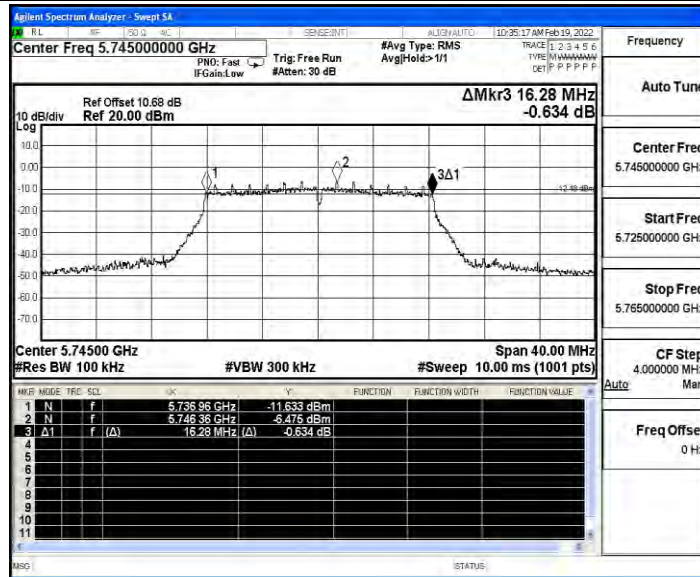


11AC80SISO_Ant6_5775

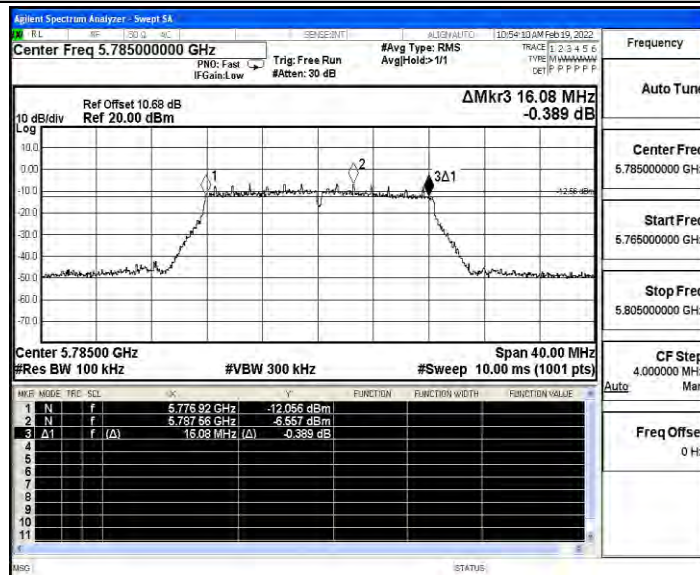




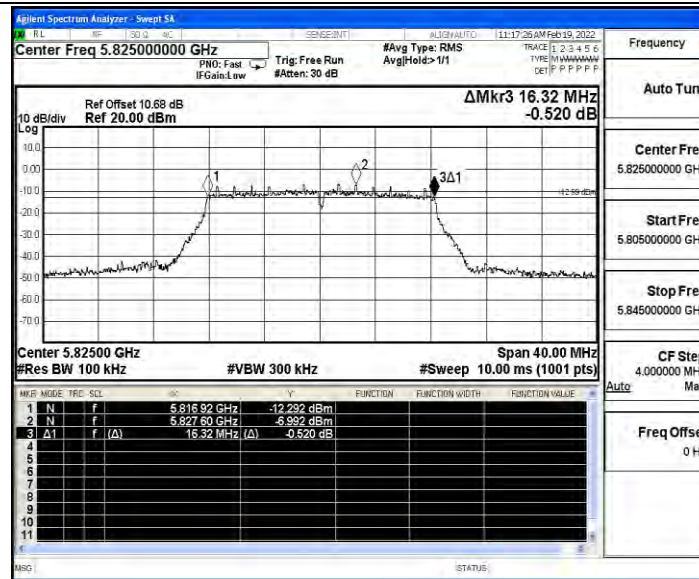
11A_Ant7_5745



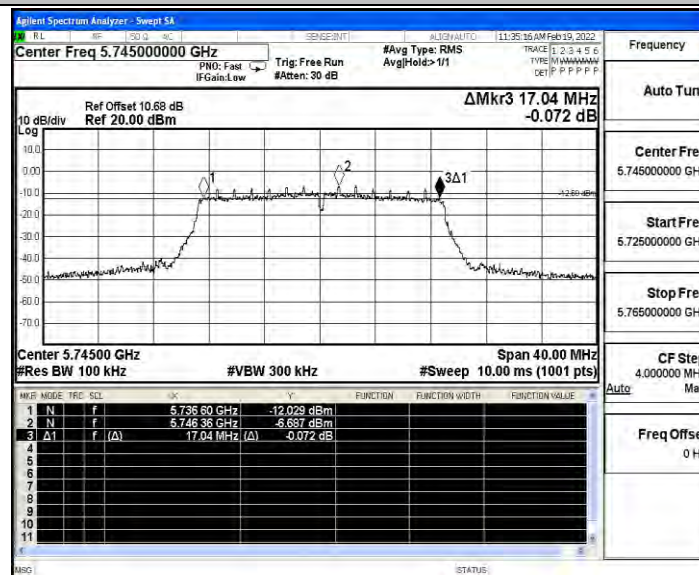
11A_Ant7_5785



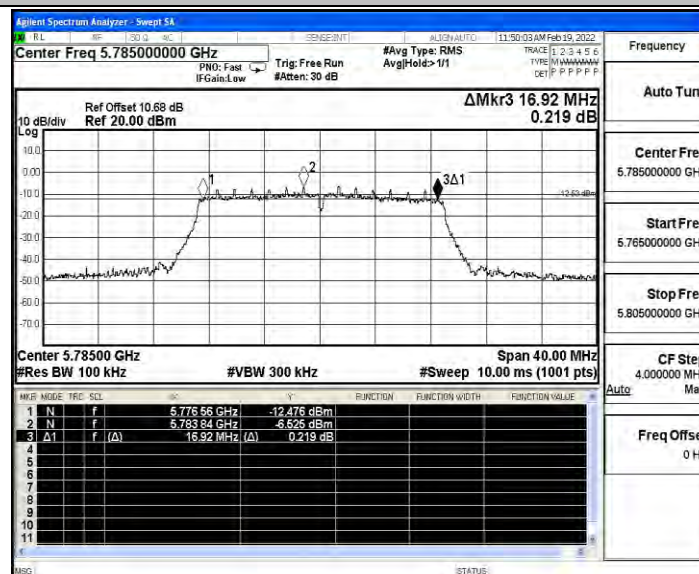
11A_Ant7_5825



11N20SISO_Ant7_5745

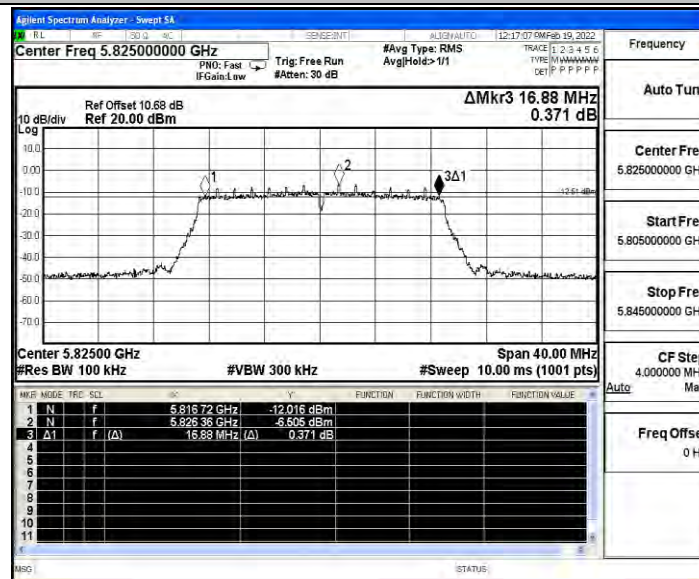


11N20SISO_Ant7_5785

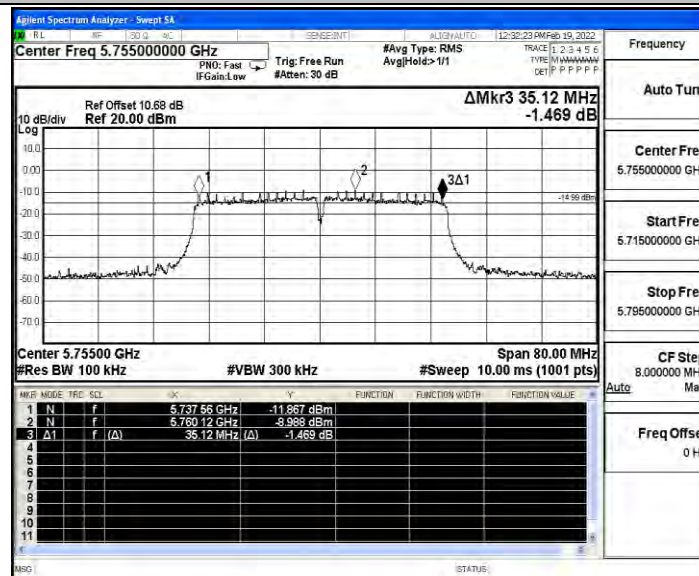




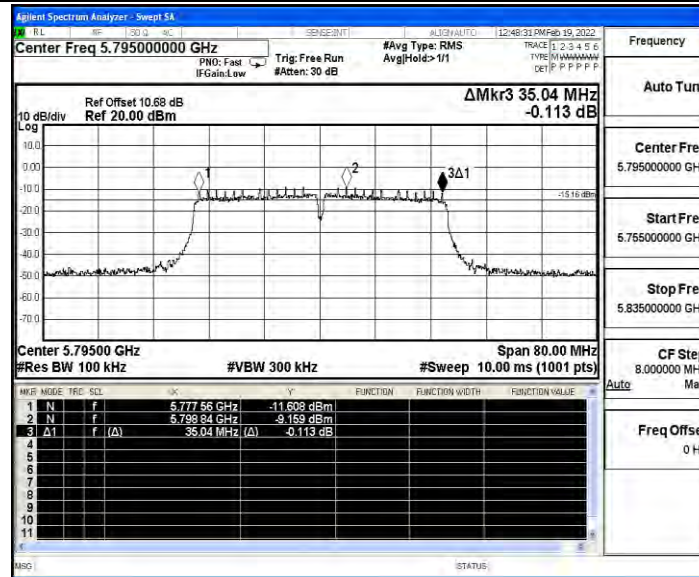
11N20SISO_Ant7_5825



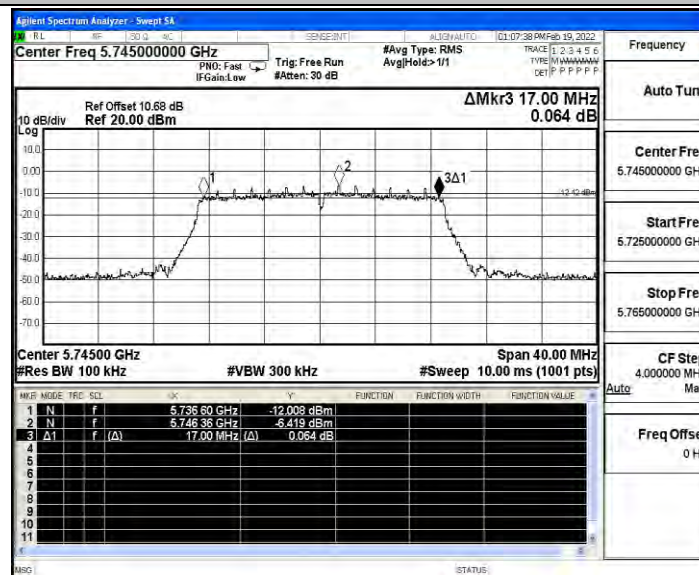
11N40SISO_Ant7_5755



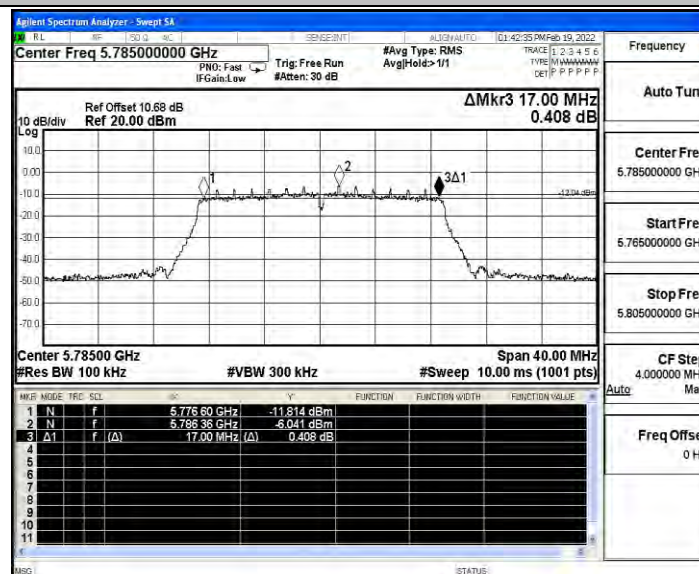
11N40SISO_Ant7_5795



11AC20SISO_Ant7_5745

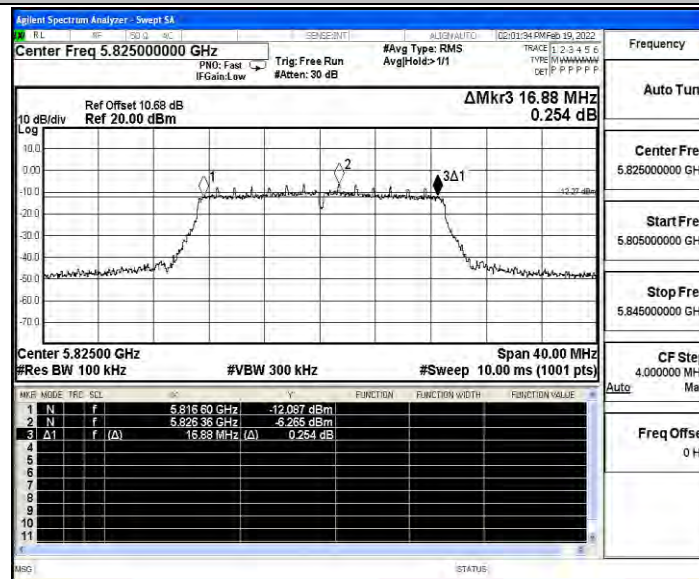


11AC20SISO_Ant7_5785

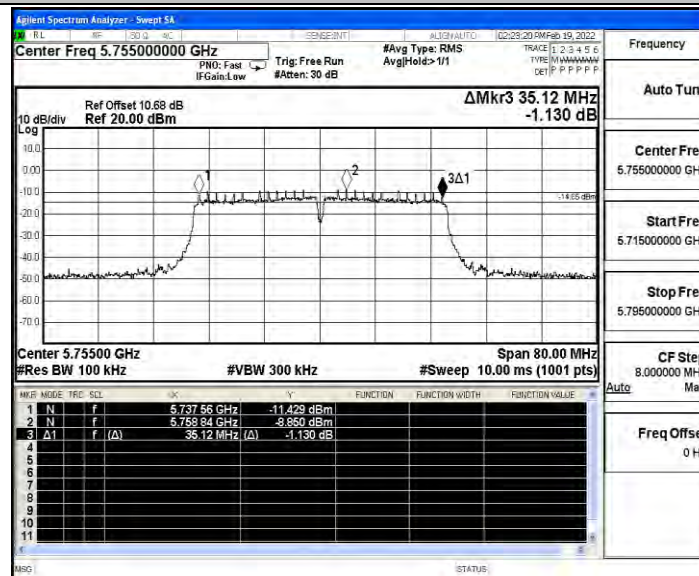




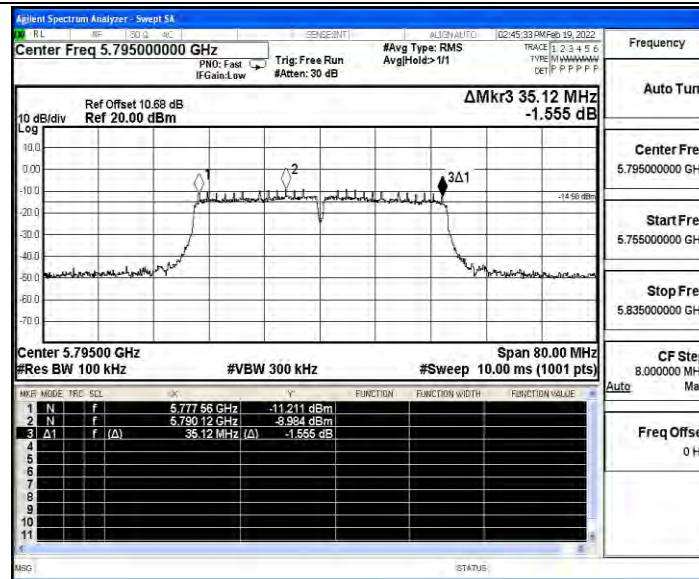
11AC20SISO_Ant7_5825



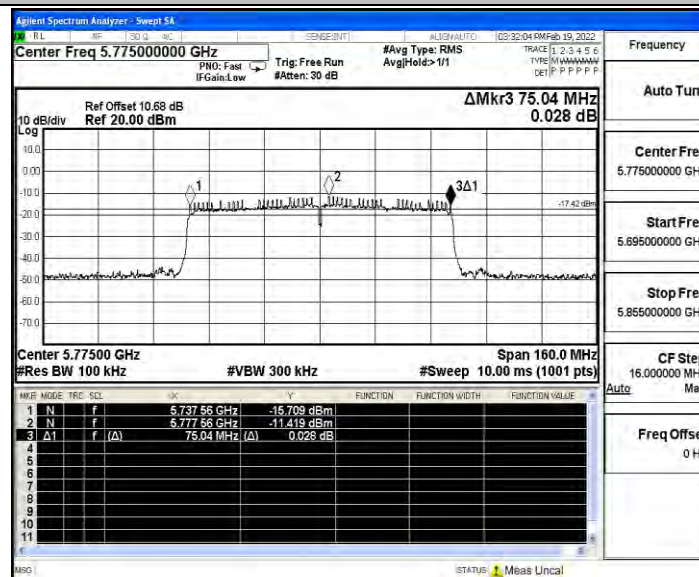
11AC40SISO_Ant7_5755



11AC40SISO_Ant7_5795



11AC80SISO_Ant7_5775





C.2 Maximum conducted output power

Test Result

Test Mode	Channel	Conducted output power [dBm]					Limit [dBm]	Verdict
		ANT 4	ANT 5	ANT 6	ANT 7	SUM		
11A	5745	7.65	7.50	7.51	7.53	/	≤30.00	PASS
	5785	7.79	7.72	7.63	7.62	/	≤30.00	PASS
	5825	7.67	7.51	7.47	7.48	/	≤30.00	PASS
11N20	5745	7.19	7.35	7.24	7.23	13.27	≤30.00	PASS
	5785	7.58	7.61	7.58	7.53	13.60	≤30.00	PASS
	5825	7.53	7.40	7.22	7.23	13.37	≤30.00	PASS
11N40	5755	7.67	7.63	7.64	7.64	13.67	≤30.00	PASS
	5795	7.55	7.55	7.57	7.56	13.58	≤30.00	PASS
11AC20	5745	7.42	7.40	7.40	7.40	13.43	≤30.00	PASS
	5785	7.62	7.64	7.65	7.67	13.67	≤30.00	PASS
	5825	7.37	7.39	7.35	7.40	13.40	≤30.00	PASS
11AC40	5755	7.88	7.88	7.89	7.88	13.90	≤30.00	PASS
	5795	7.72	7.65	7.65	7.66	13.69	≤30.00	PASS
11AC80	5775	7.44	7.30	7.45	7.45	13.43	≤30.00	PASS



C.3 Maximum power spectral density

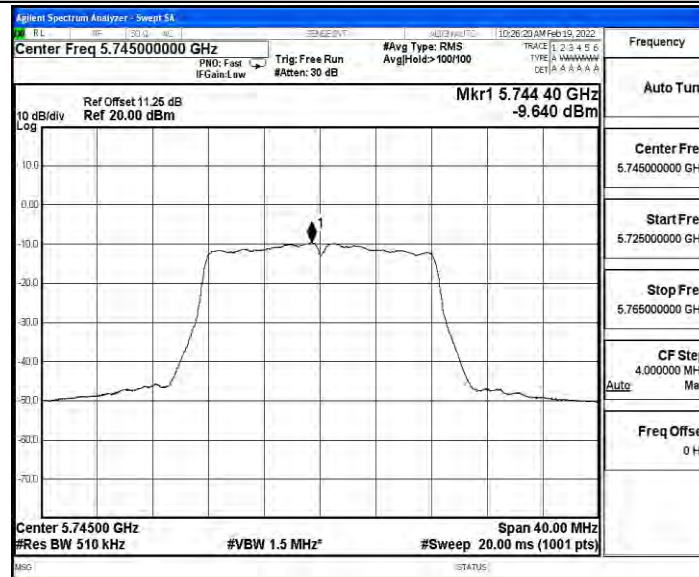
Test Result

Test Mode	Channel	Power spectral density [dBm/500kHz]					Limit [dBm/500kHz]	Verdict
		ANT 4	ANT 5	ANT 5	ANT 7	SUM		
11A	5745	-9.6	-9.58	-9.73	-9.65	/	≤30.00	PASS
	5785	-9.88	-9.79	-9.88	-9.98	/	≤30.00	PASS
	5825	-10.22	-10.27	-10.35	-10.29	/	≤30.00	PASS
11N20	5745	-10.39	-10.25	-10.18	-10.23	-4.24	≤24.98	PASS
	5785	-10.27	-10.2	-10.5	-10.24	-4.28	≤24.98	PASS
	5825	-10.59	-10.63	-9.48	-9.41	-3.97	≤24.98	PASS
11N40	5755	-12.42	-12.37	-12.22	-12.26	-6.30	≤24.98	PASS
	5795	-12.29	-12.34	-12.38	-12.38	-6.33	≤24.98	PASS
11AC20	5745	-9.34	-9.42	-9.32	-9.5	-3.37	≤24.98	PASS
	5785	-9.15	-9.04	-9.22	-9.17	-3.12	≤24.98	PASS
	5825	-9.35	-9.41	-9.44	-9.29	-3.35	≤24.98	PASS
11AC40	5755	-12.03	-11.87	-11.94	-12.02	-5.94	≤24.98	PASS
	5795	-12.16	-12.25	-12.23	-12.47	-6.26	≤24.98	PASS
11AC80	5775	-14.95	-15.45	-15.26	-15.15	-9.18	≤24.98	PASS

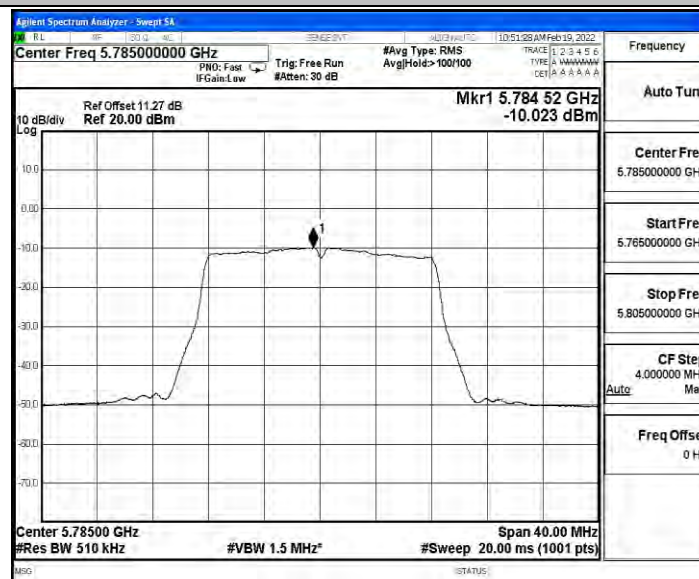


Test Graphs

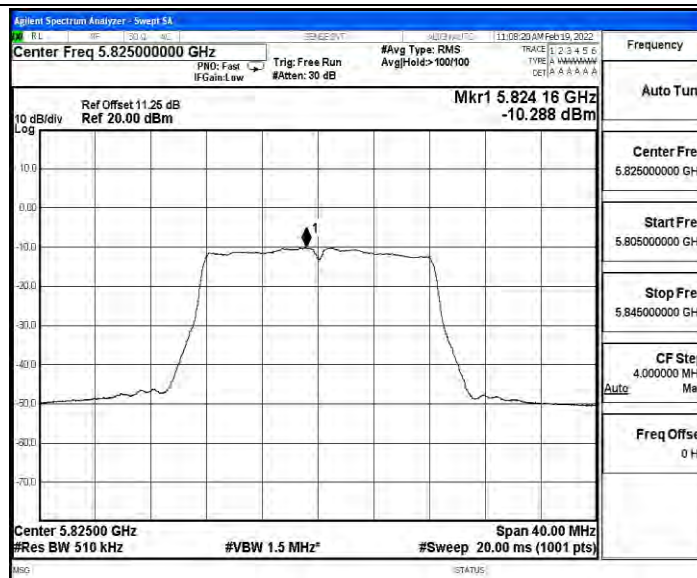
11A_Ant4_5745



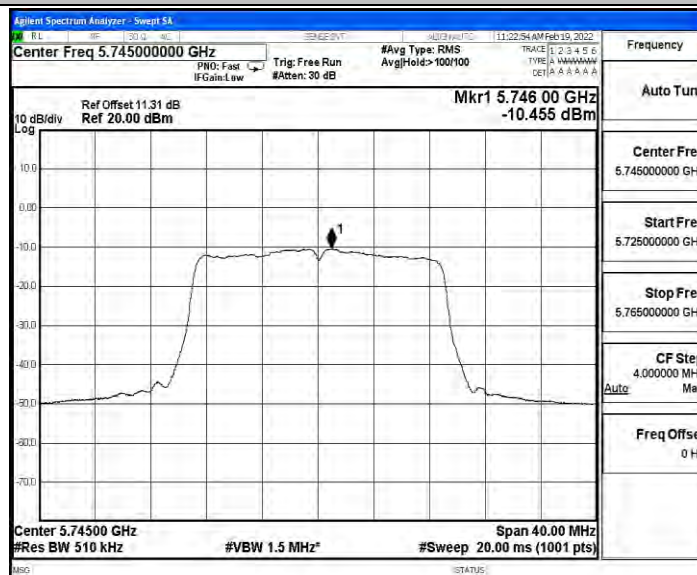
11A_Ant4_5785



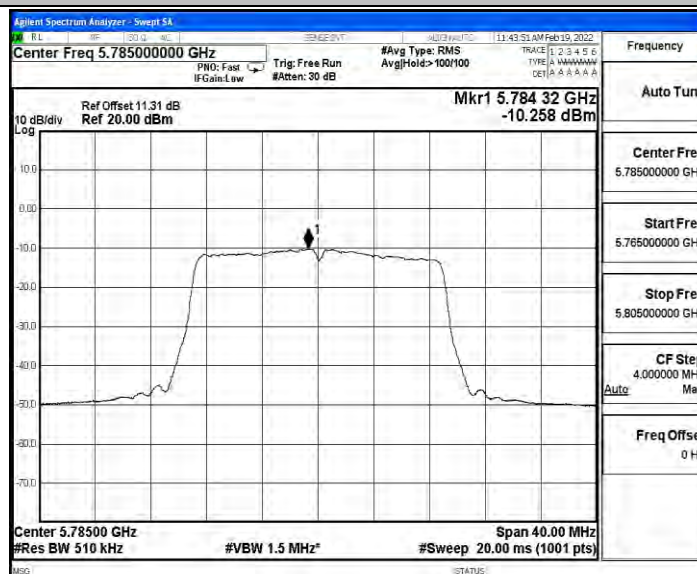
11A_Ant4_5825



11N20SISO_Ant4_5745

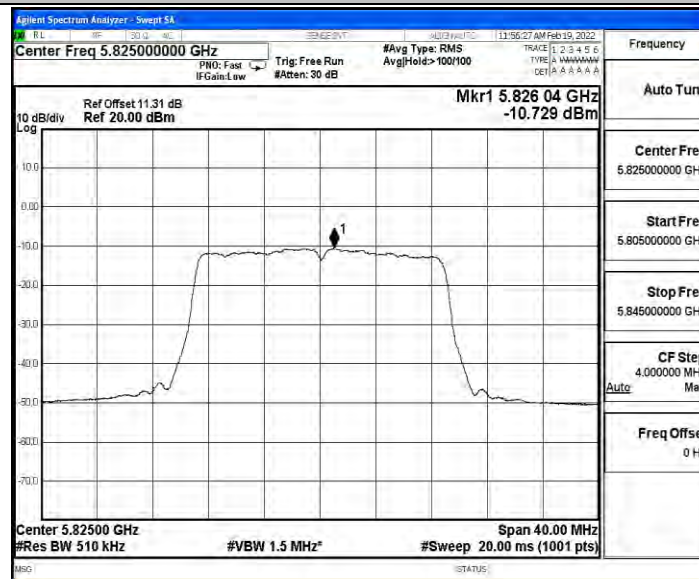


11N20SISO_Ant4_5785

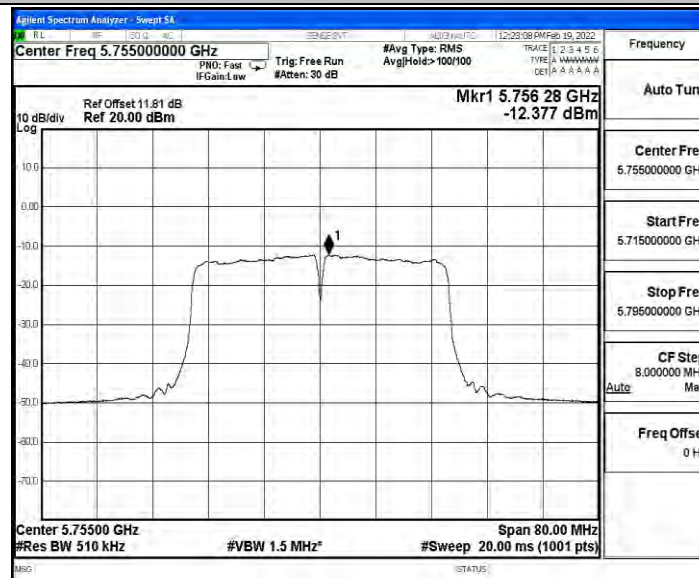




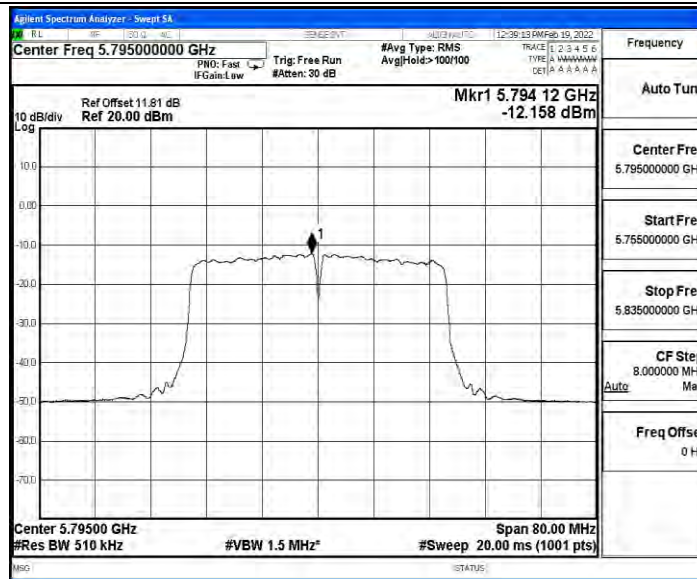
11N20SISO_Ant4_5825



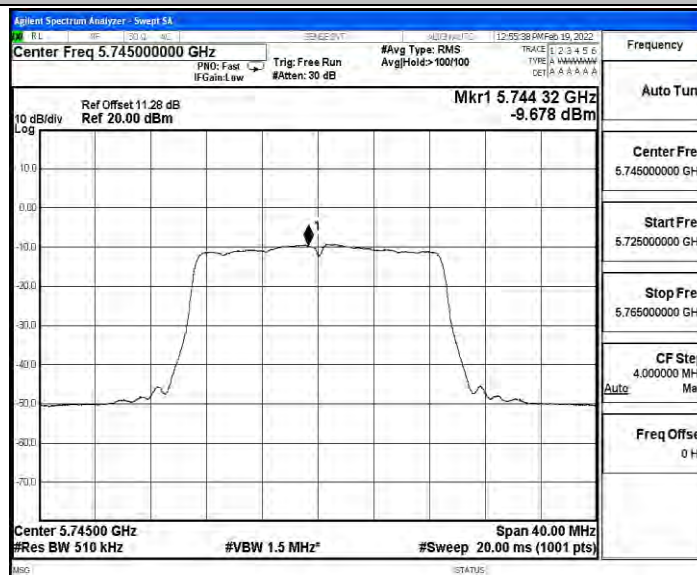
11N40SISO_Ant4_5755



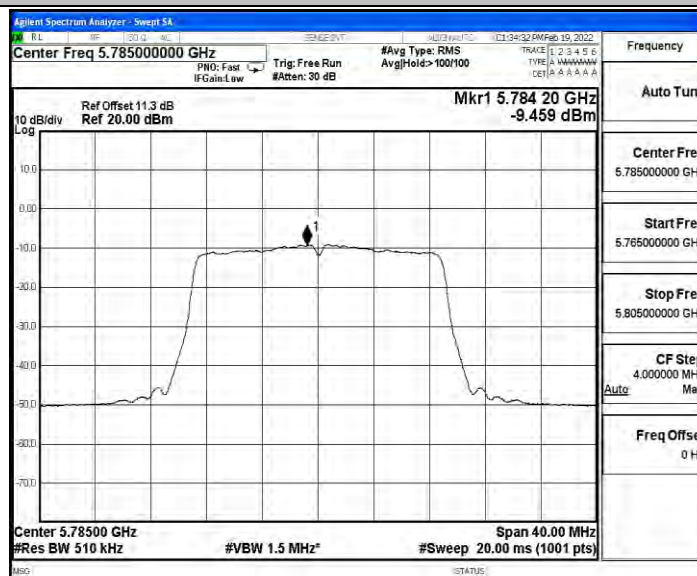
11N40SISO_Ant4_5795



11AC20SISO_Ant4_5745

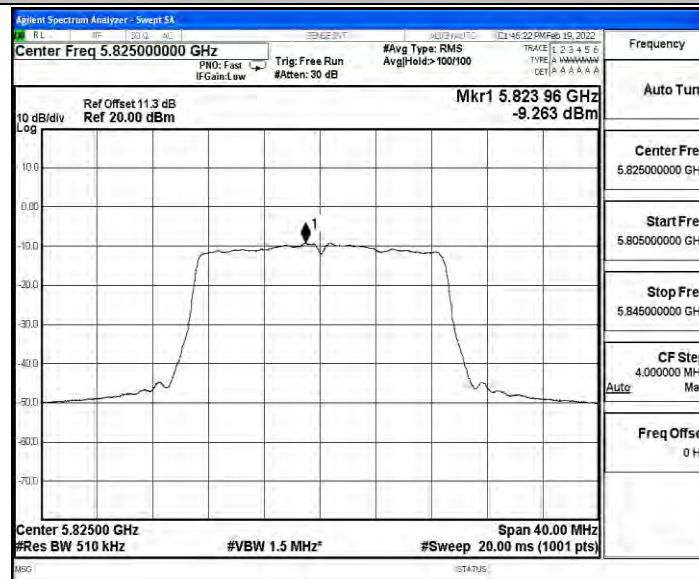


11AC20SISO_Ant4_5785

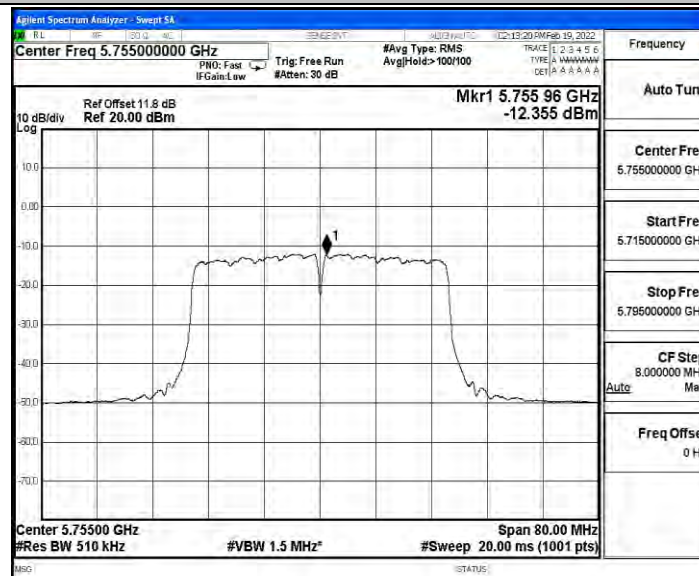




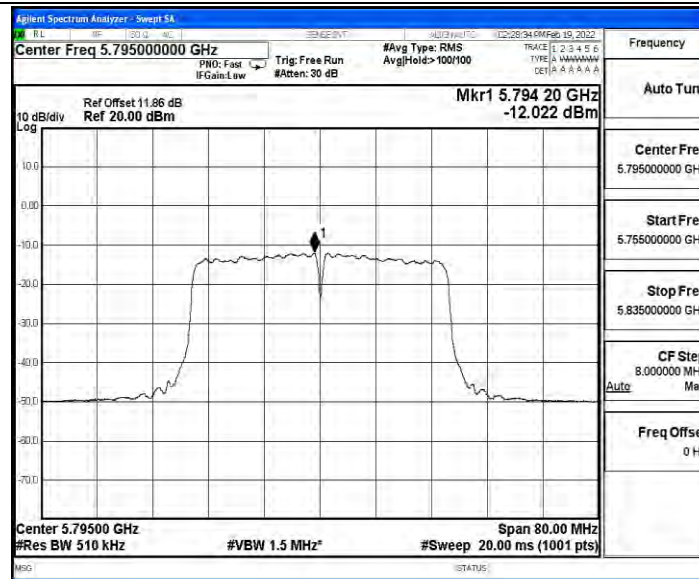
11AC20SISO_Ant4_5825



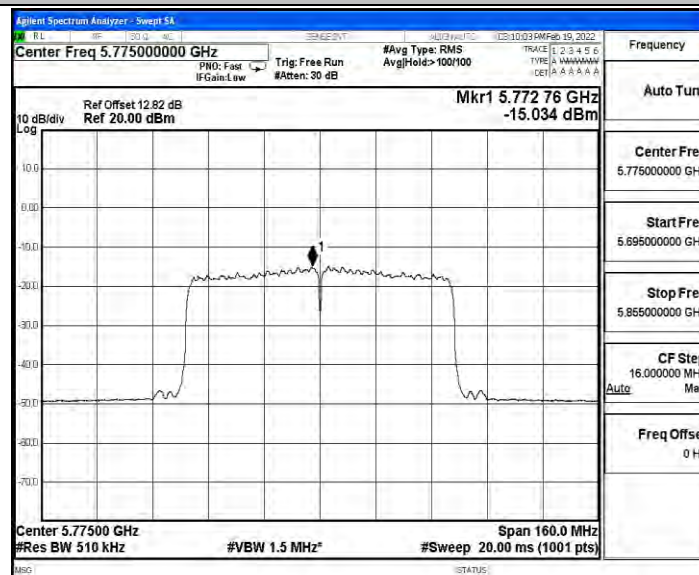
11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795

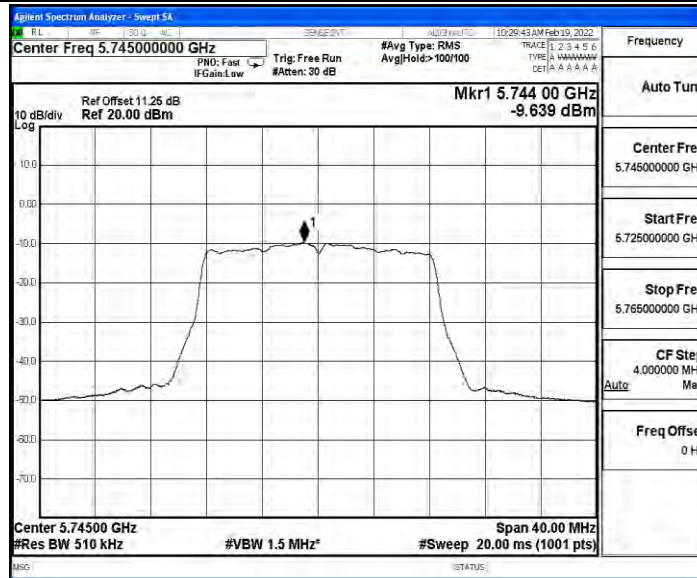


11AC80SISO_Ant4_5775

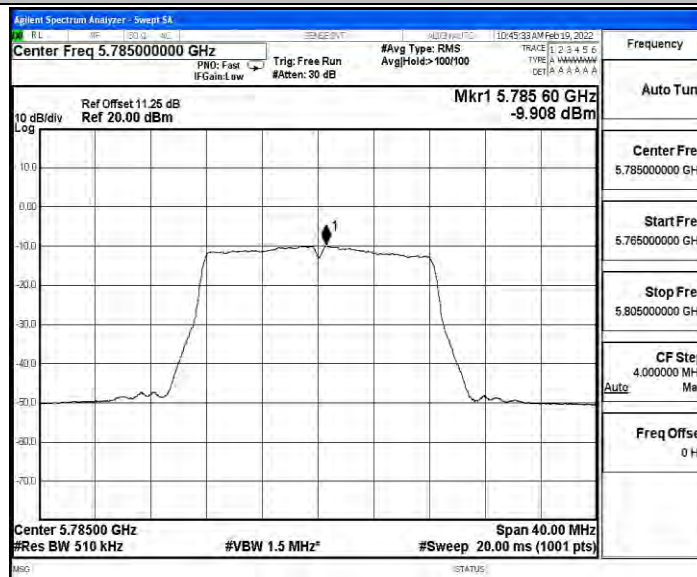




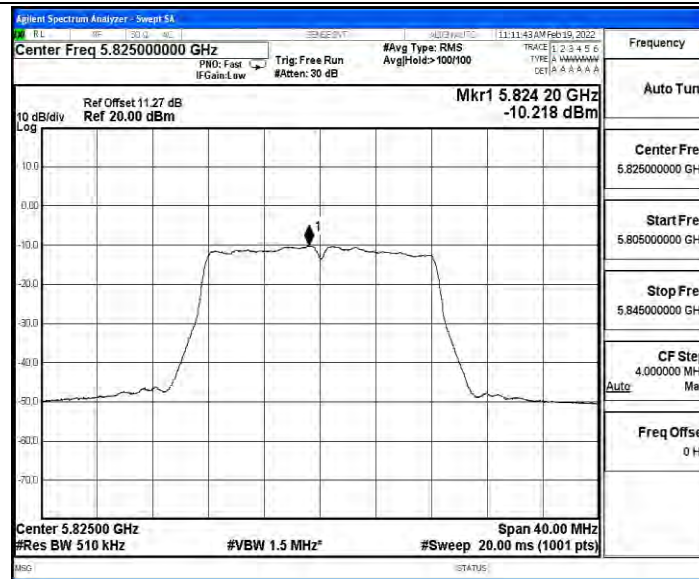
11A_Ant5_5745



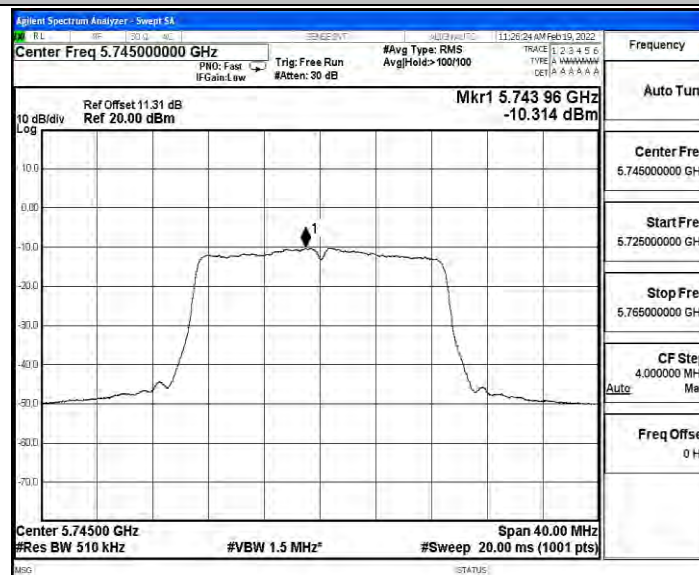
11A_Ant5_5785



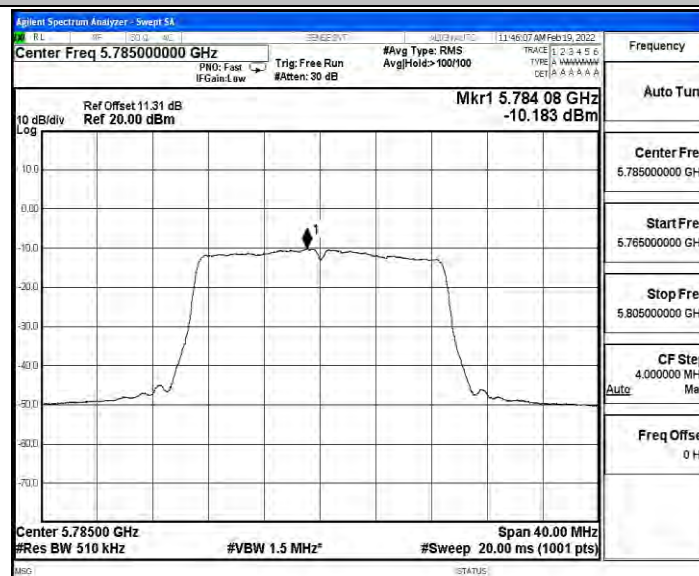
11A_Ant5_5825

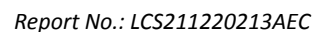


11N20SISO_Ant5_5745

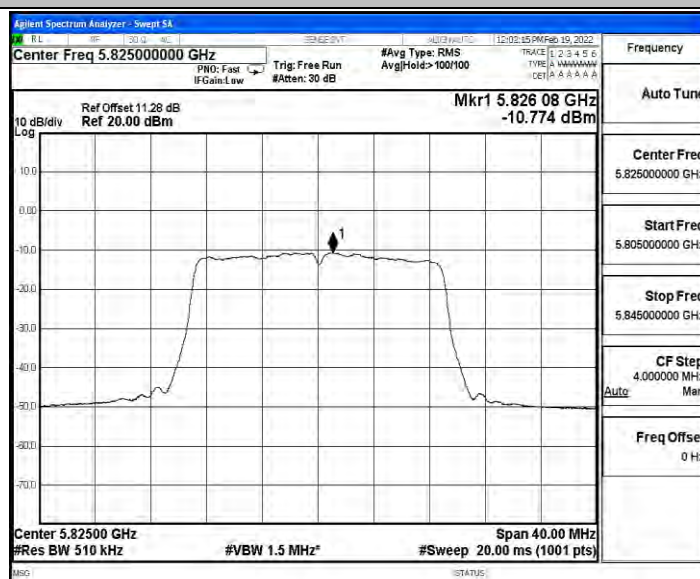


11N20SISO_Ant5_5785

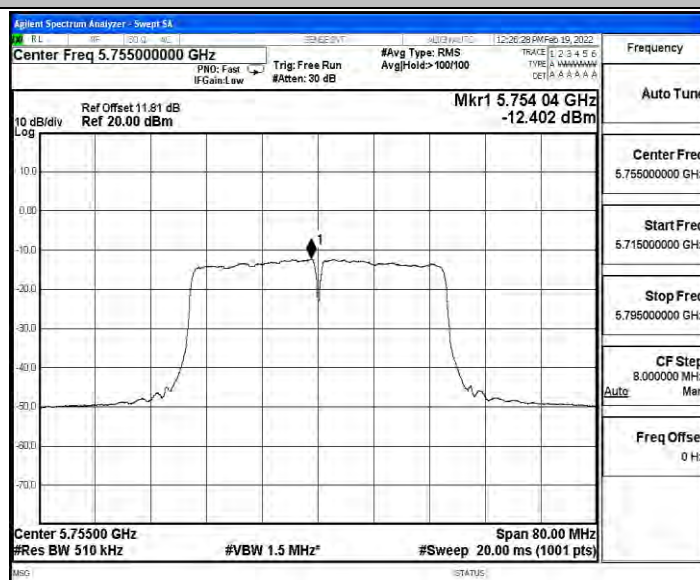




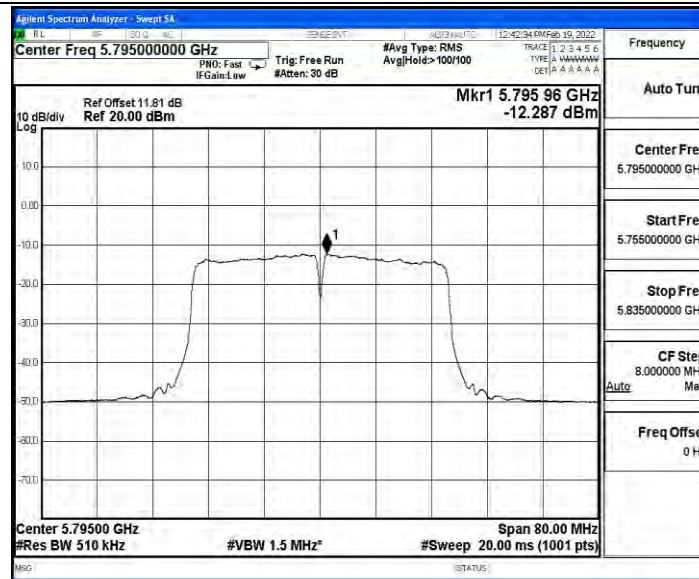
11N20SISO Ant5 5825



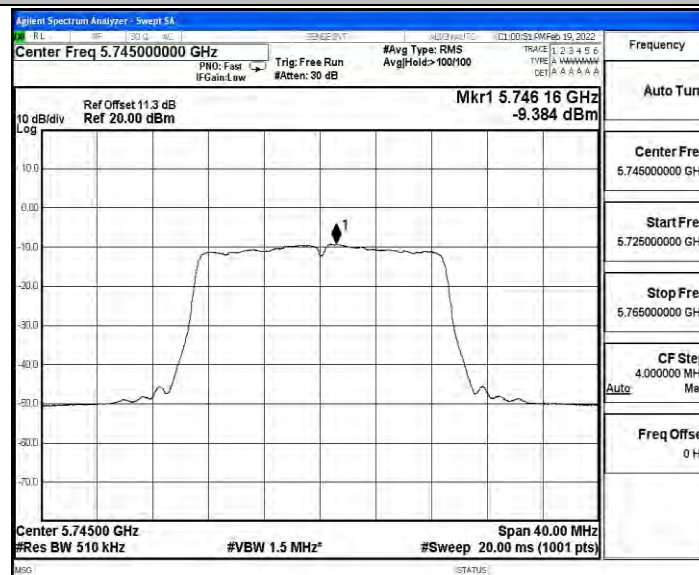
11N40SISO Ant5 5755



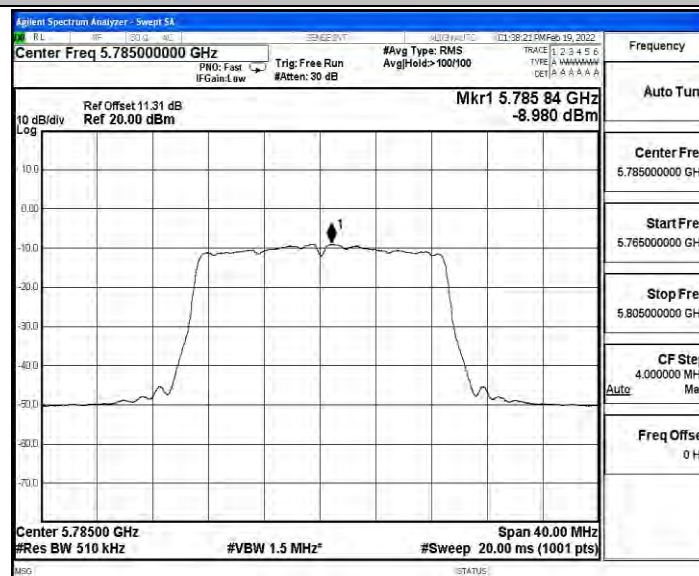
11N40SISO Ant5 5795



11AC20SISO_Ant5_5745

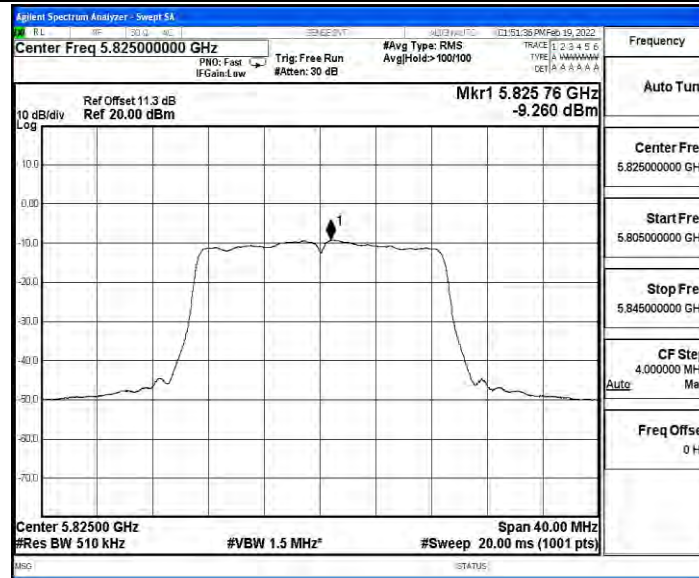


11AC20SISO_Ant5_5785

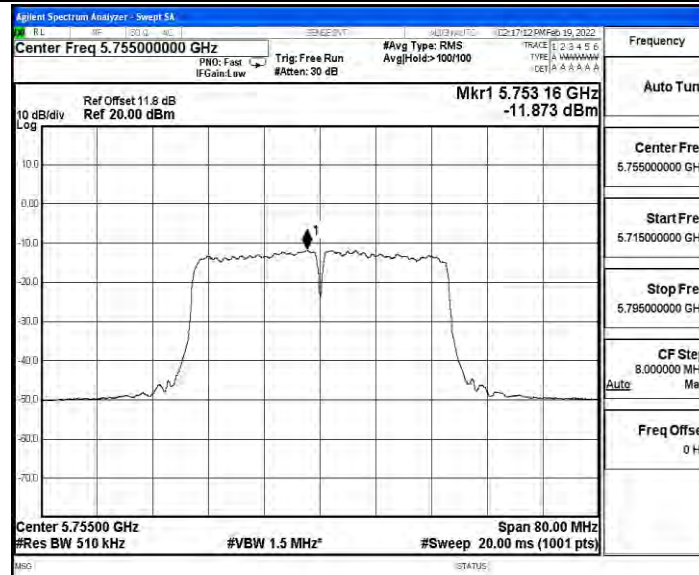




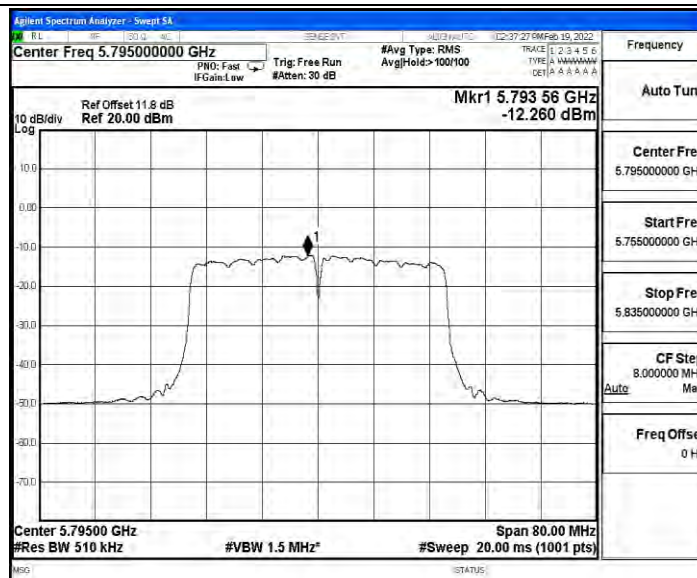
11AC20SISO_Ant5_5825



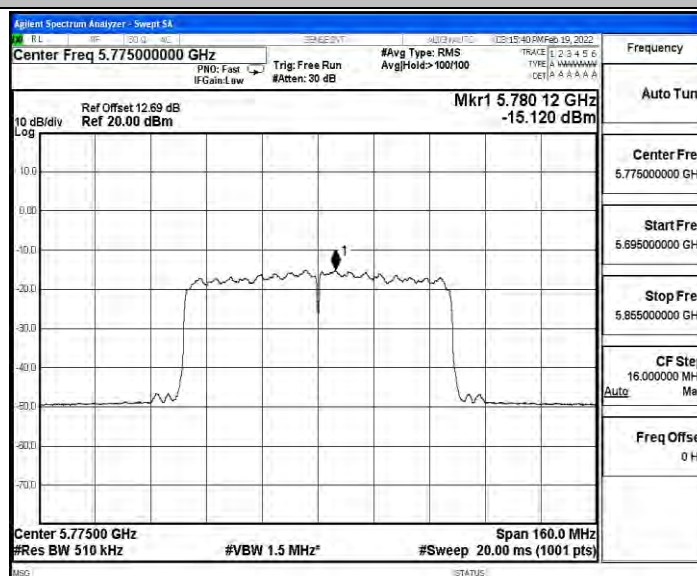
11AC40SISO_Ant5_5755



11AC40SISO_Ant5_5795

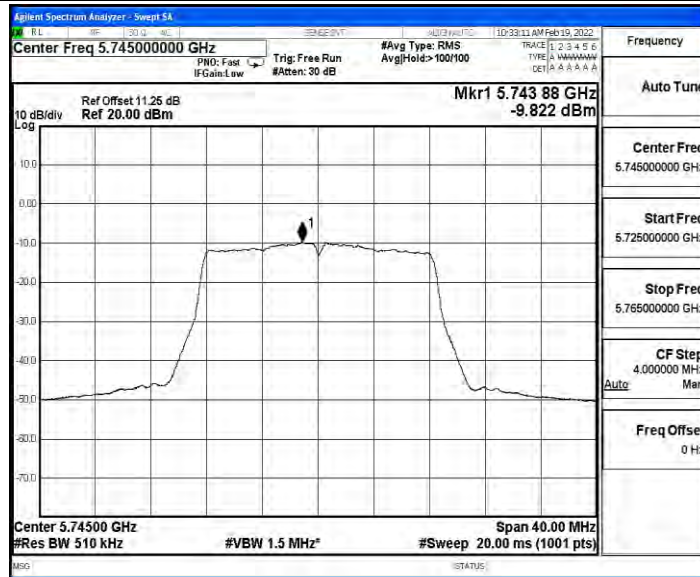


11AC80SISO_Ant5_5775

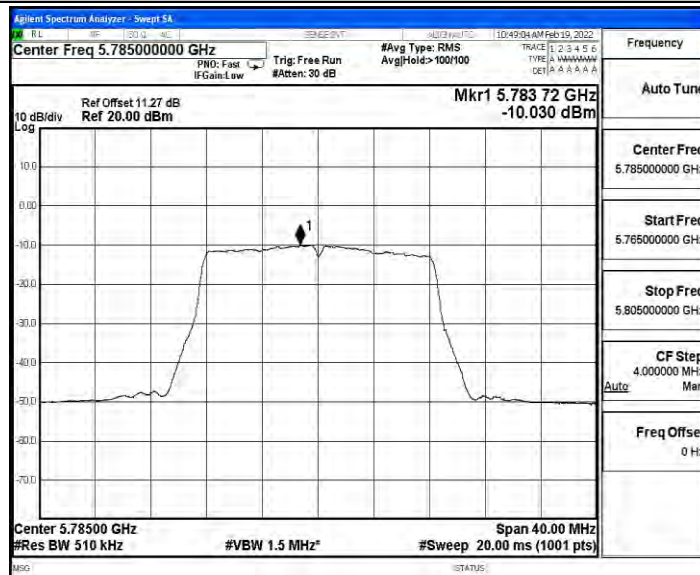




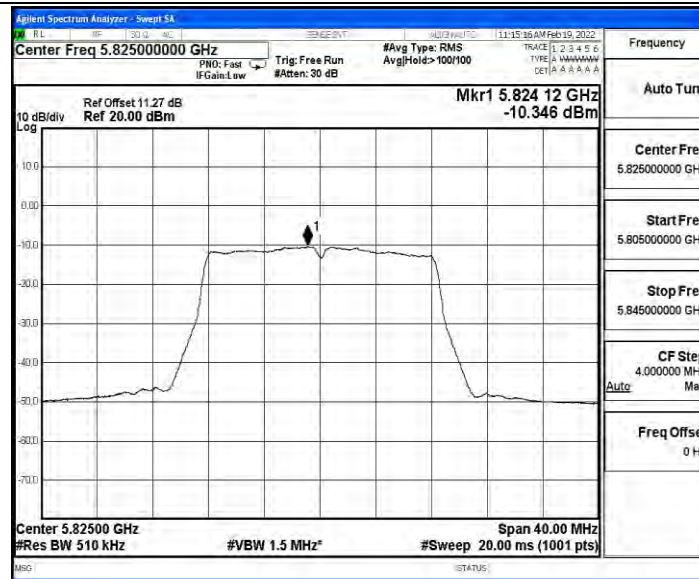
11A_Ant6_5745



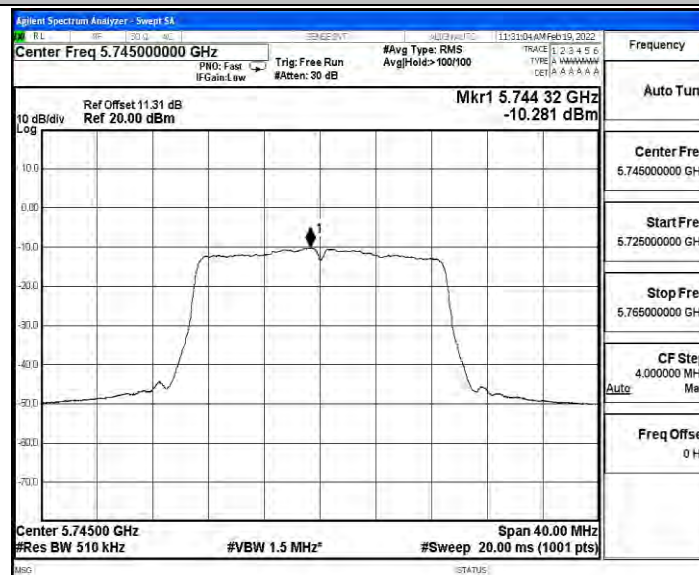
11A_Ant6_5785



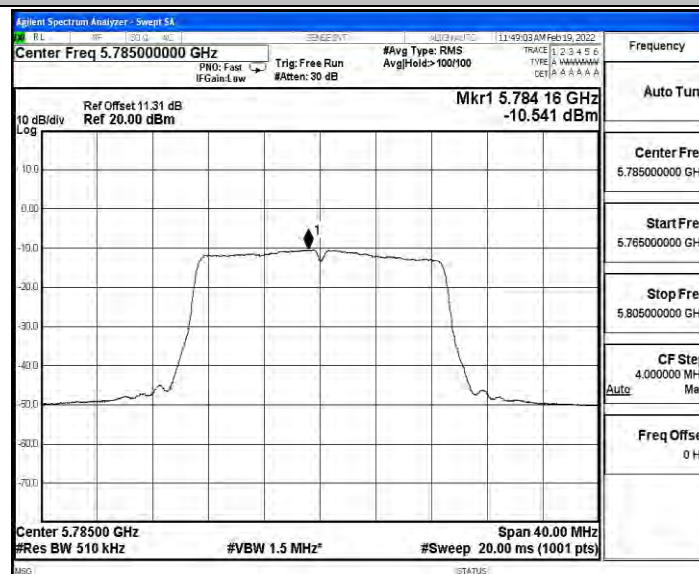
11A_Ant6_5825



11N20SISO_Ant6_5745

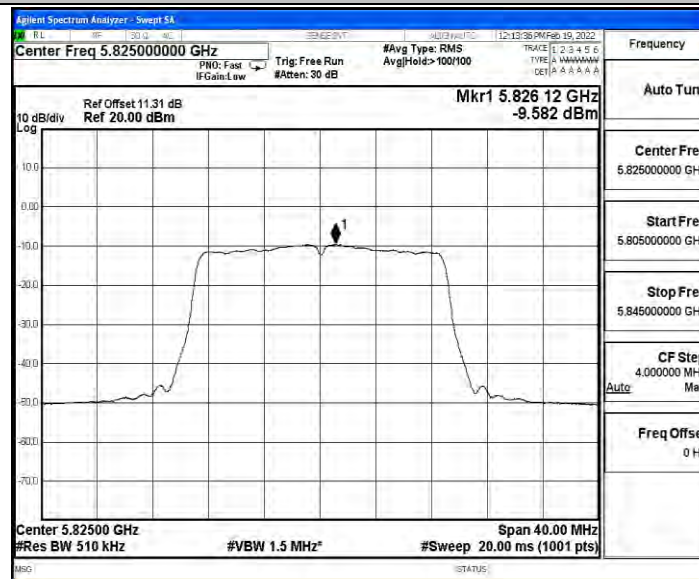


11N20SISO_Ant6_5785

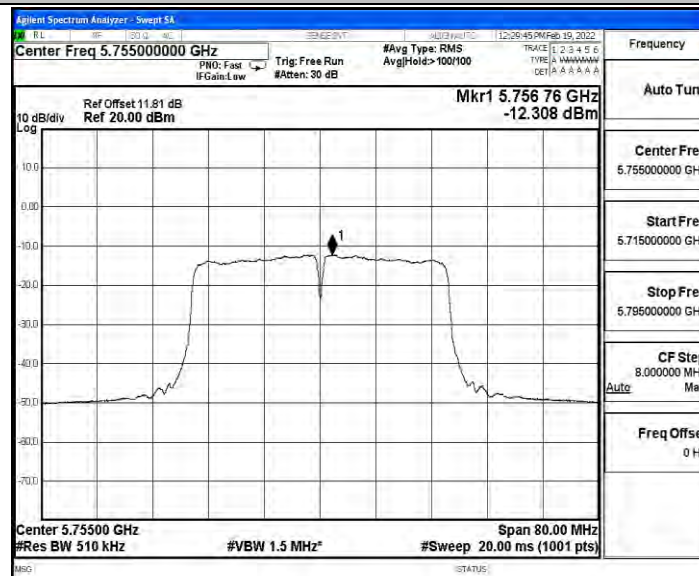




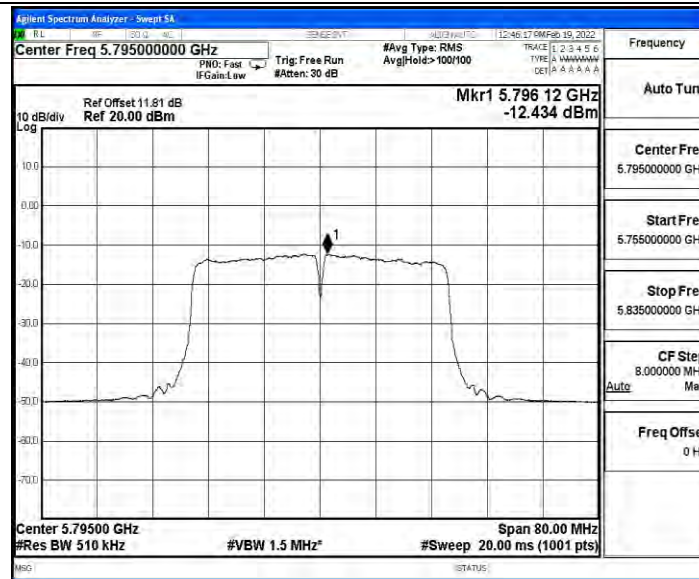
11N20SISO_Ant6_5825



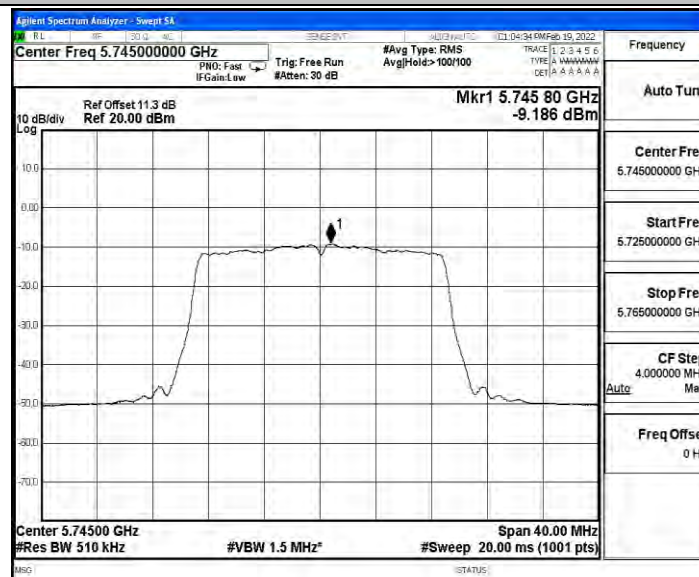
11N40SISO_Ant6_5755



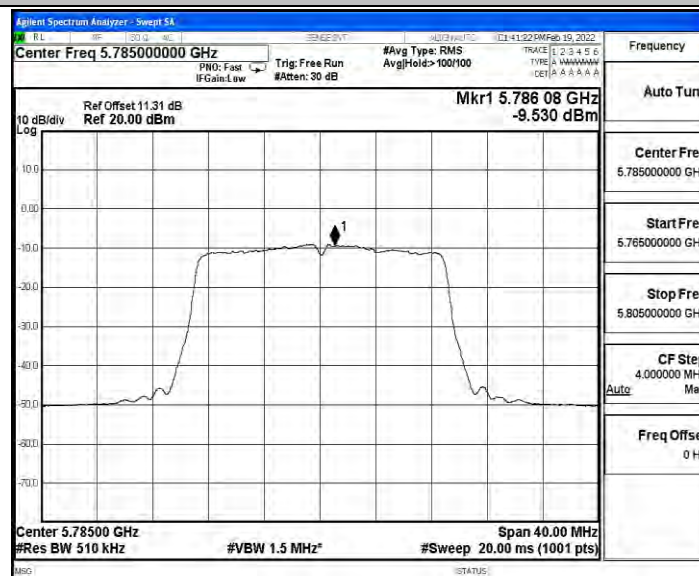
11N40SISO_Ant6_5795



11AC20SISO_Ant6_5745

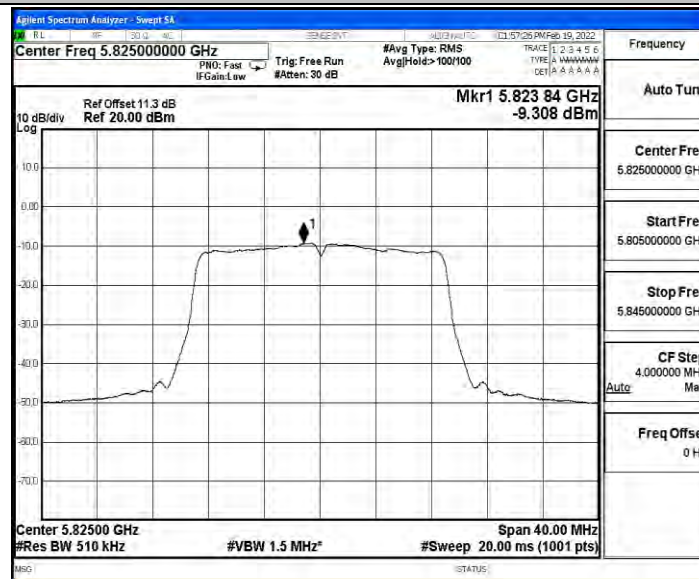


11AC20SISO_Ant6_5785

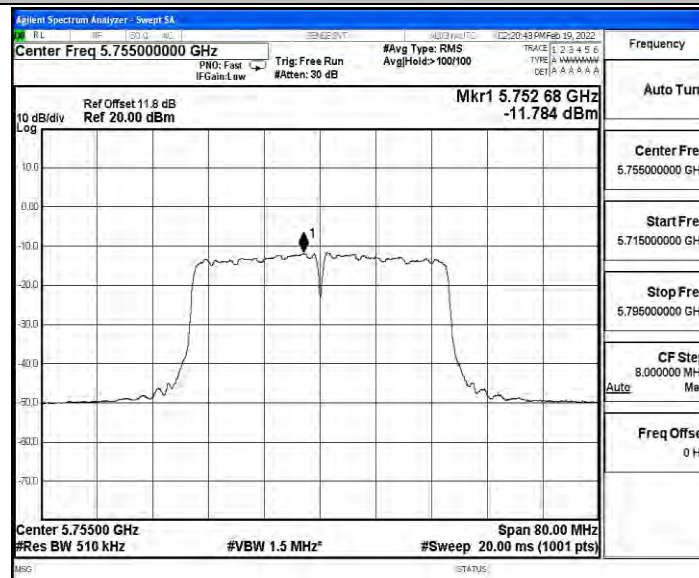




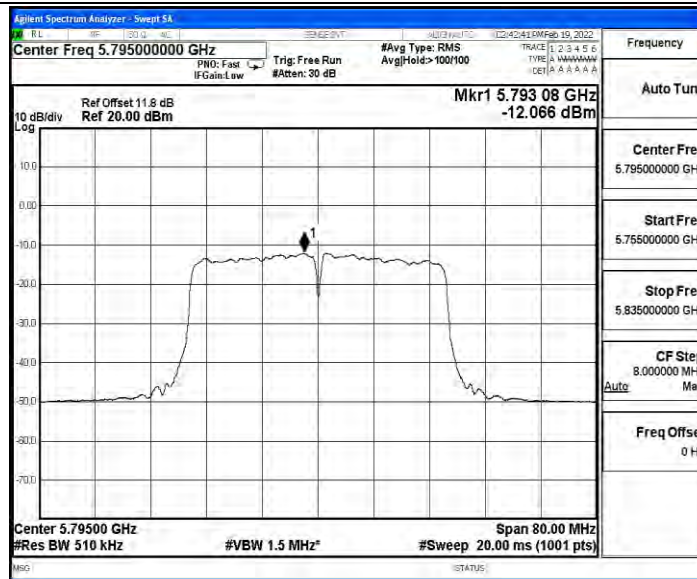
11AC20SISO_Ant6_5825



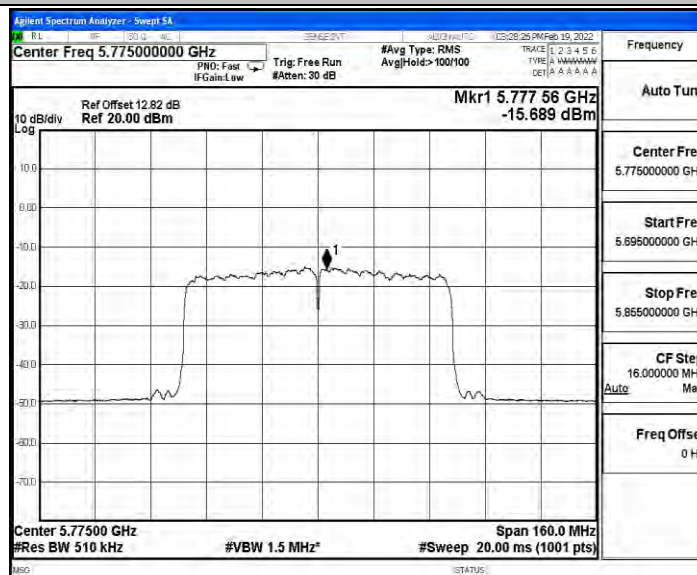
11AC40SISO_Ant6_5755

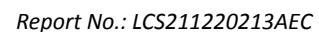


11AC40SISO_Ant6_5795

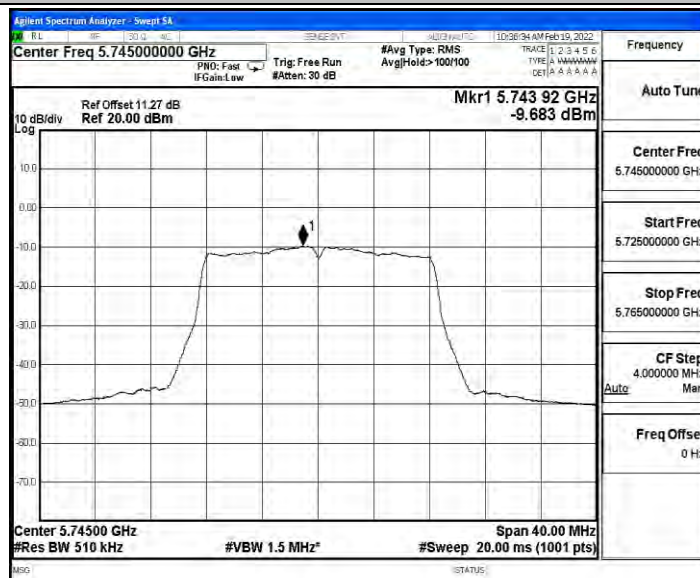


11AC80SISO_Ant6_5775

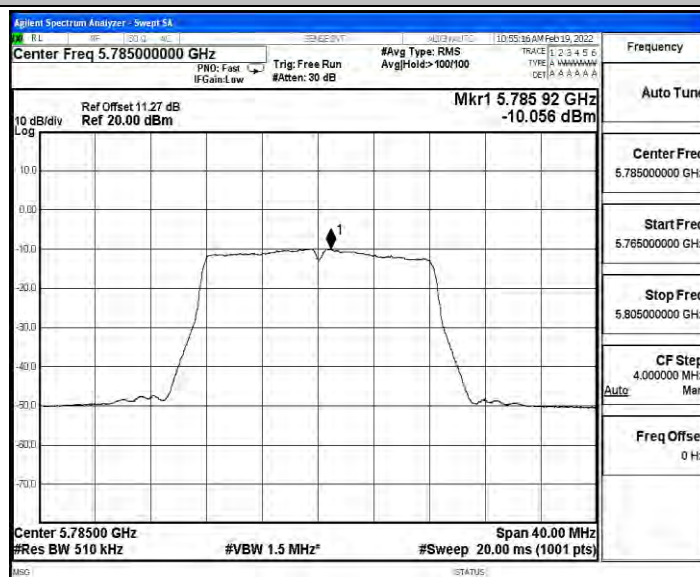




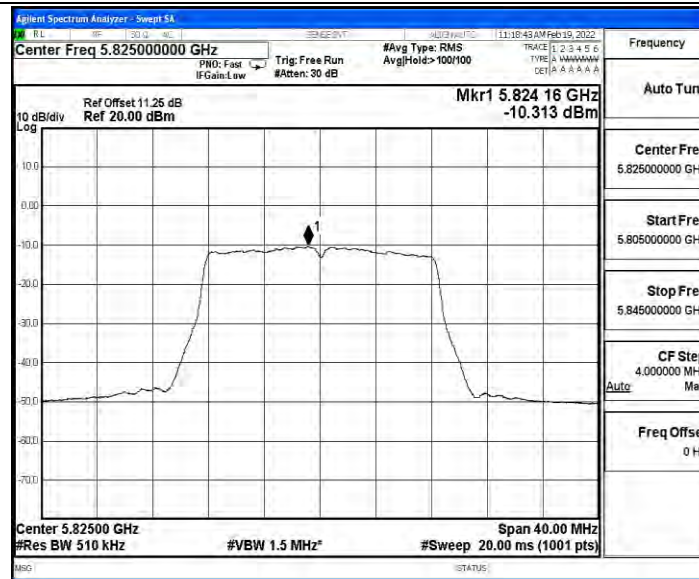
11A_Ant7_5745



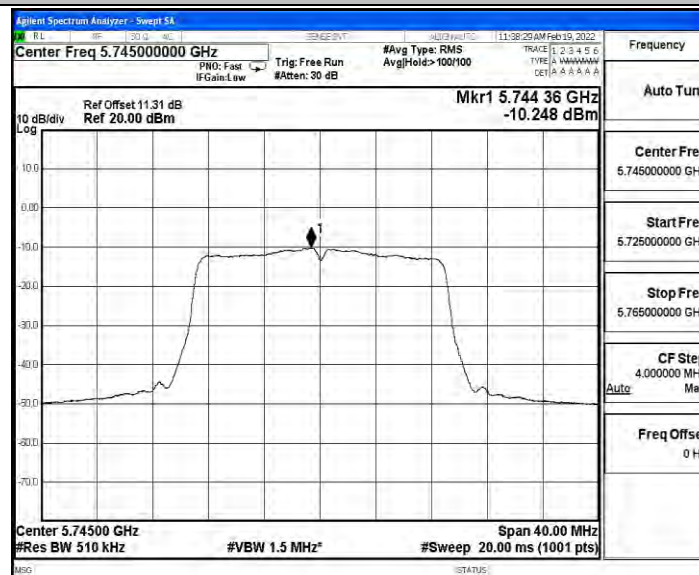
11A Ant7 5785



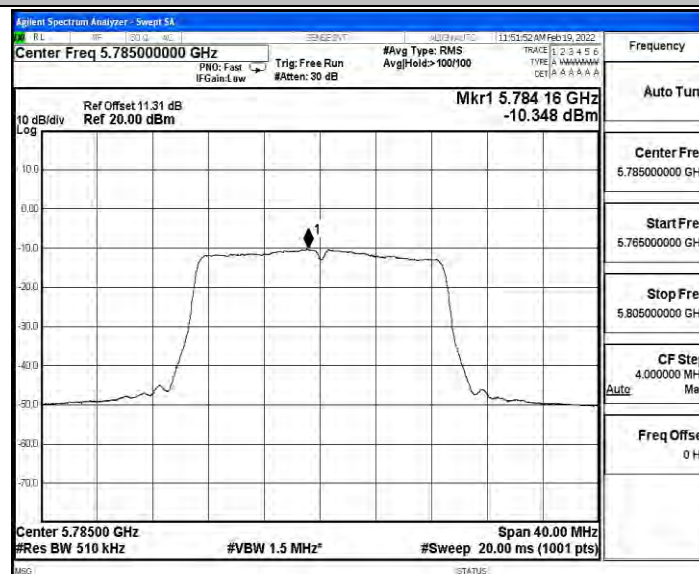
11A_Ant7_5825



11N20SISO_Ant7_5745

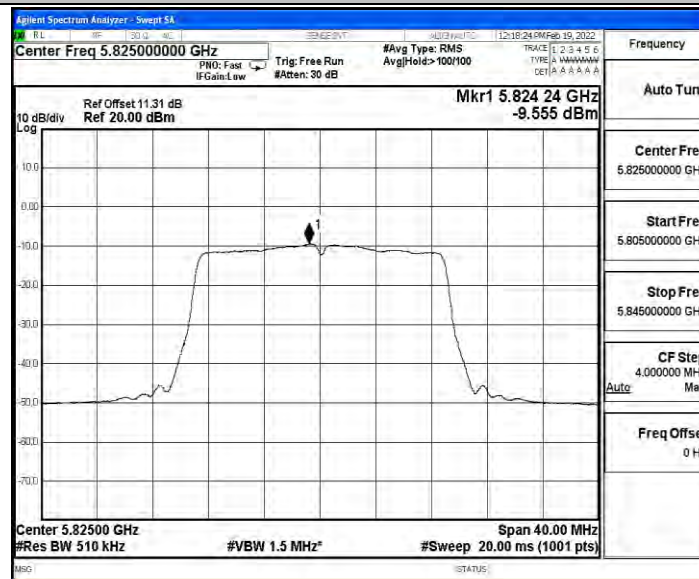


11N20SISO_Ant7_5785

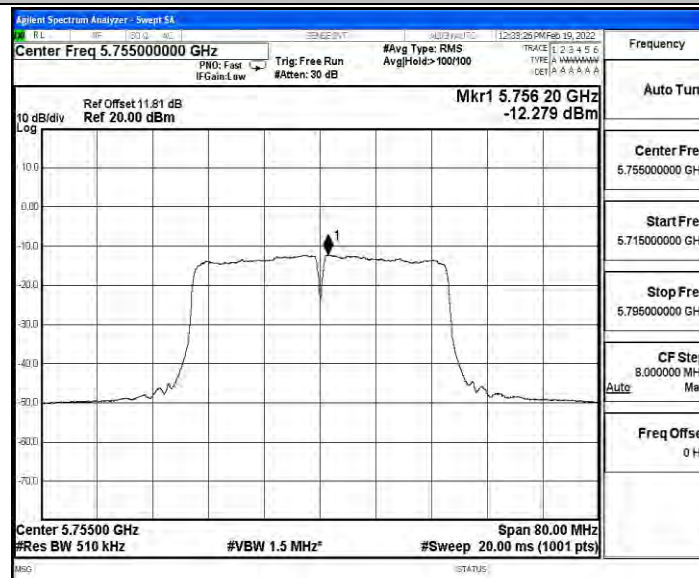




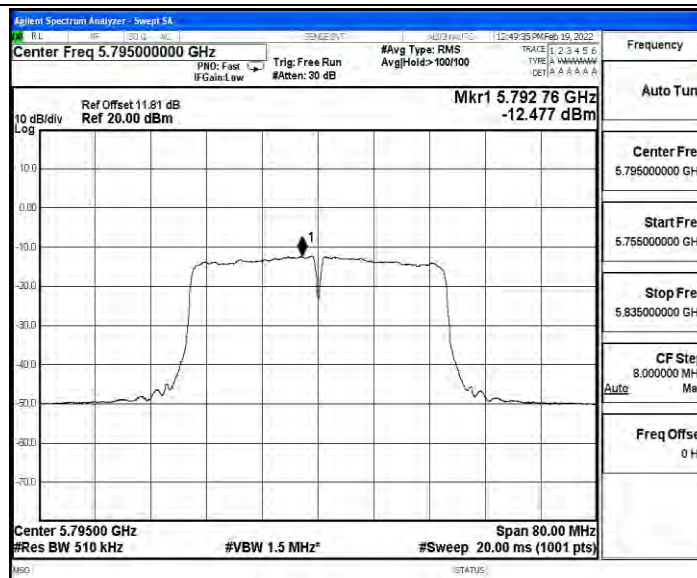
11N20SISO_Ant7_5825



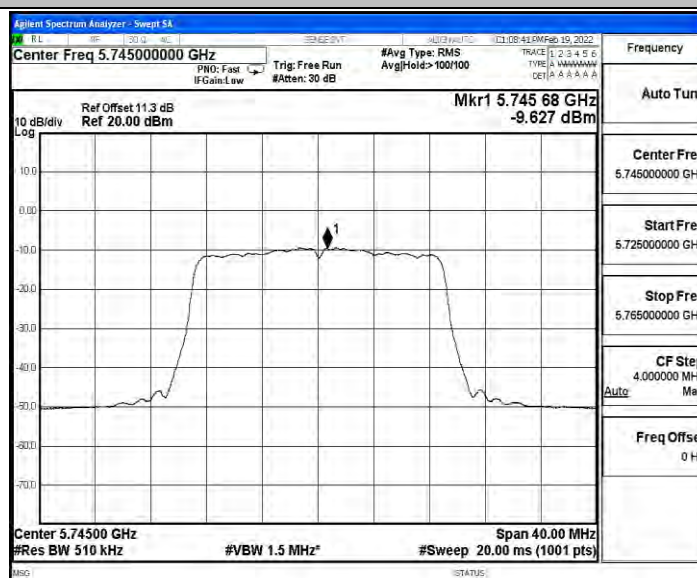
11N40SISO_Ant7_5755



11N40SISO_Ant7_5795



11AC20SISO_Ant7_5745



11AC20SISO_Ant7_5785

