

Appendix G

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: PAD_ T13

Environmental Conditions

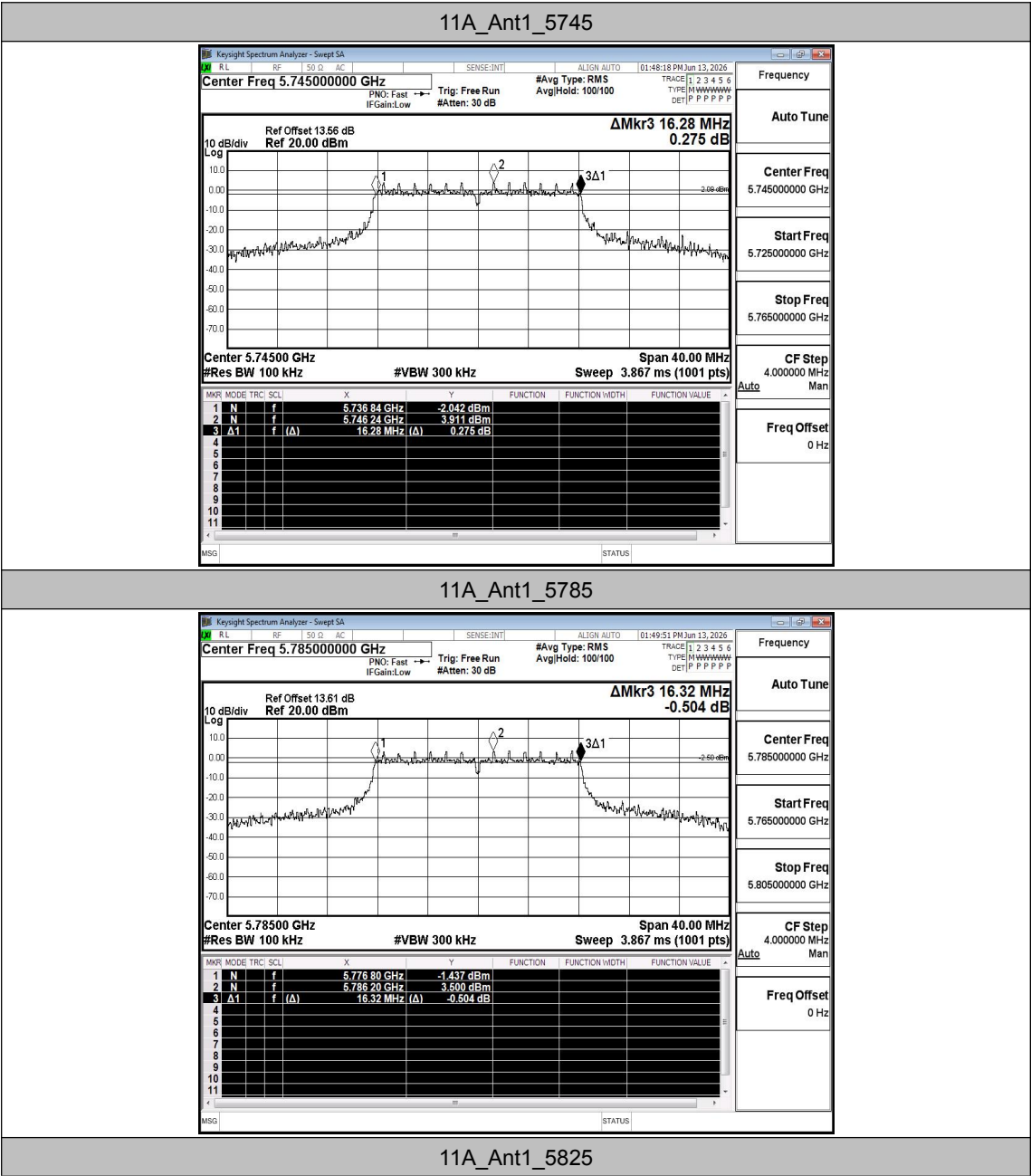
Temperature:	24.2°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

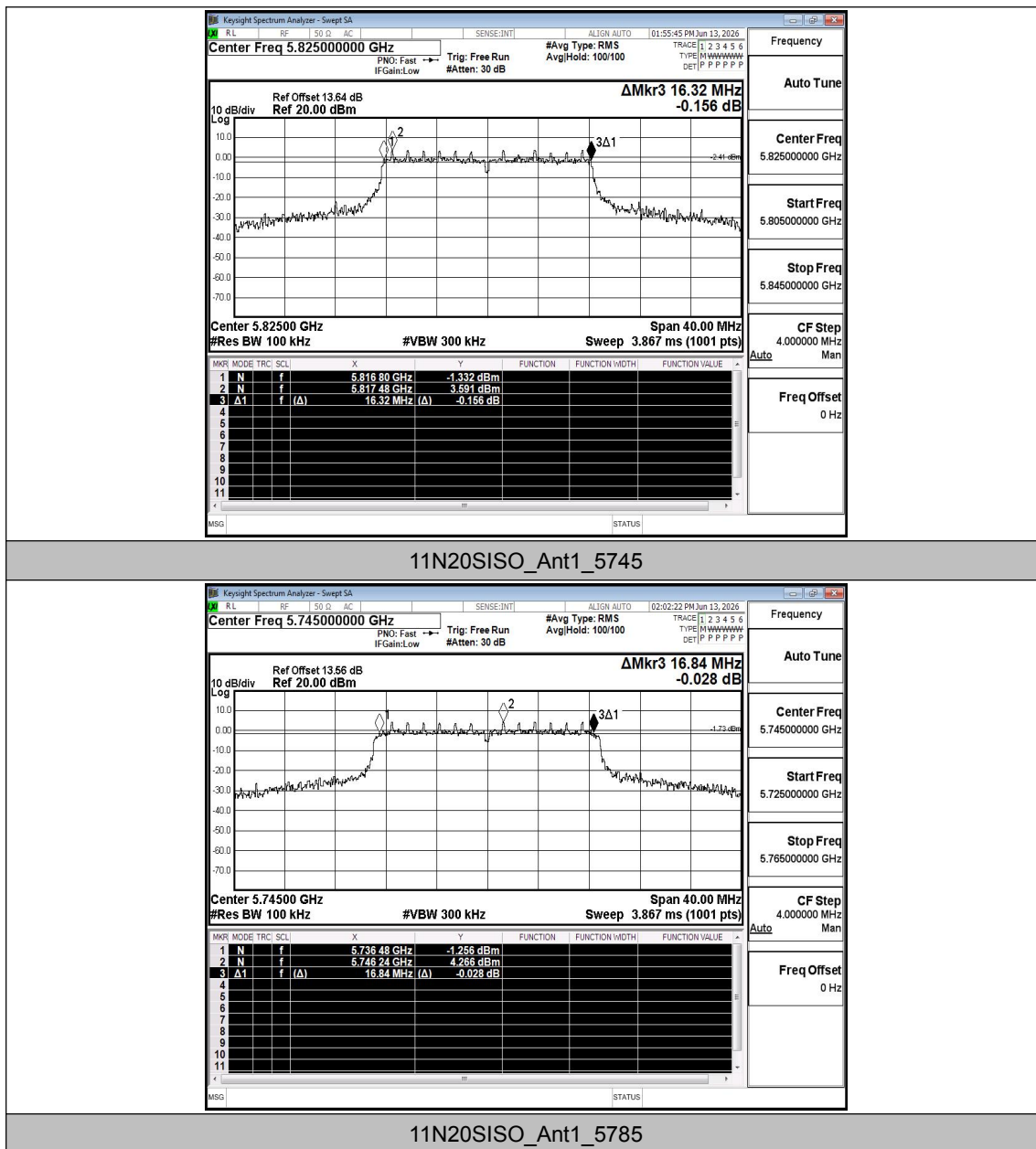
G.1 Min emission bandwidth

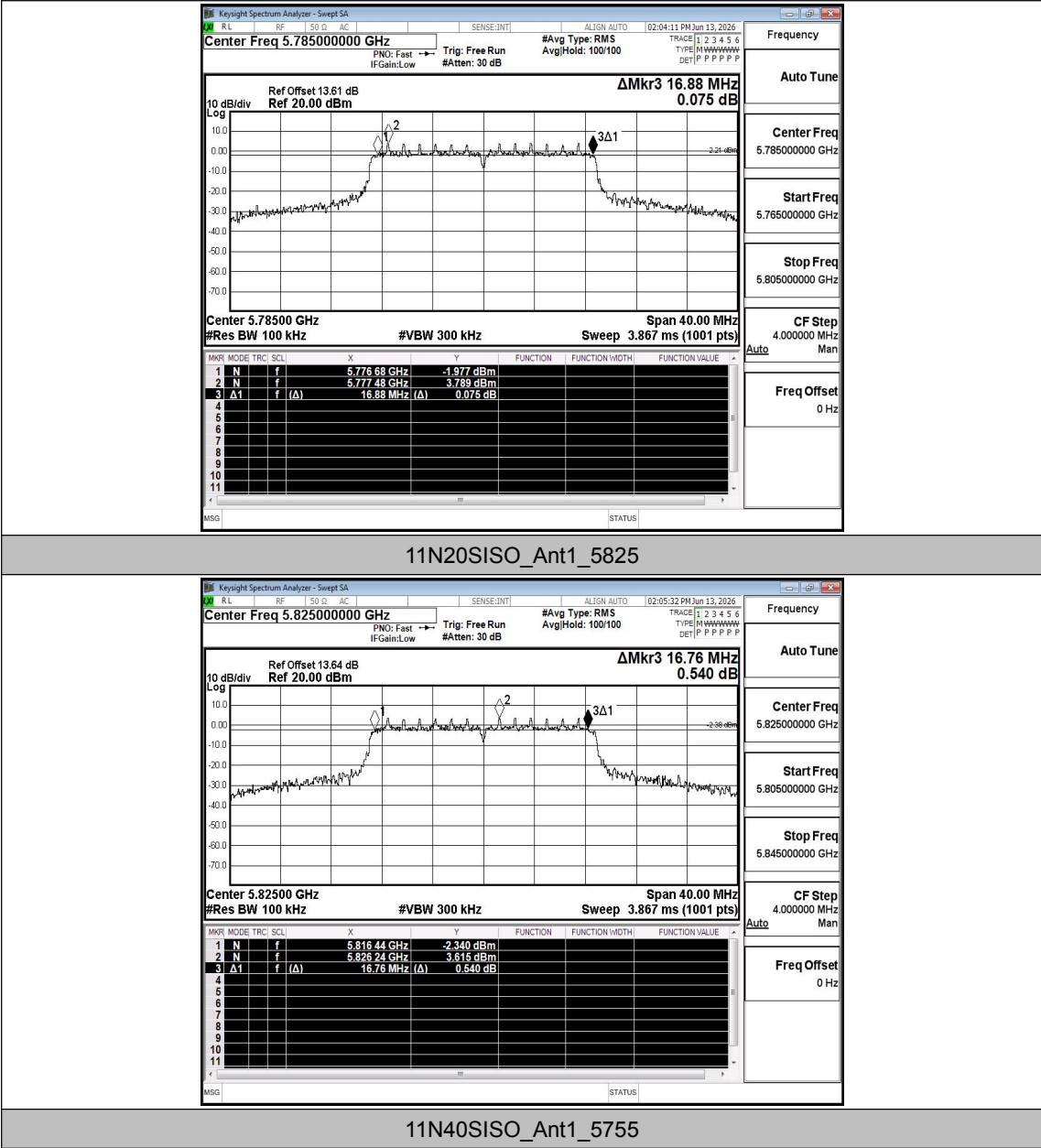
Test Result B4

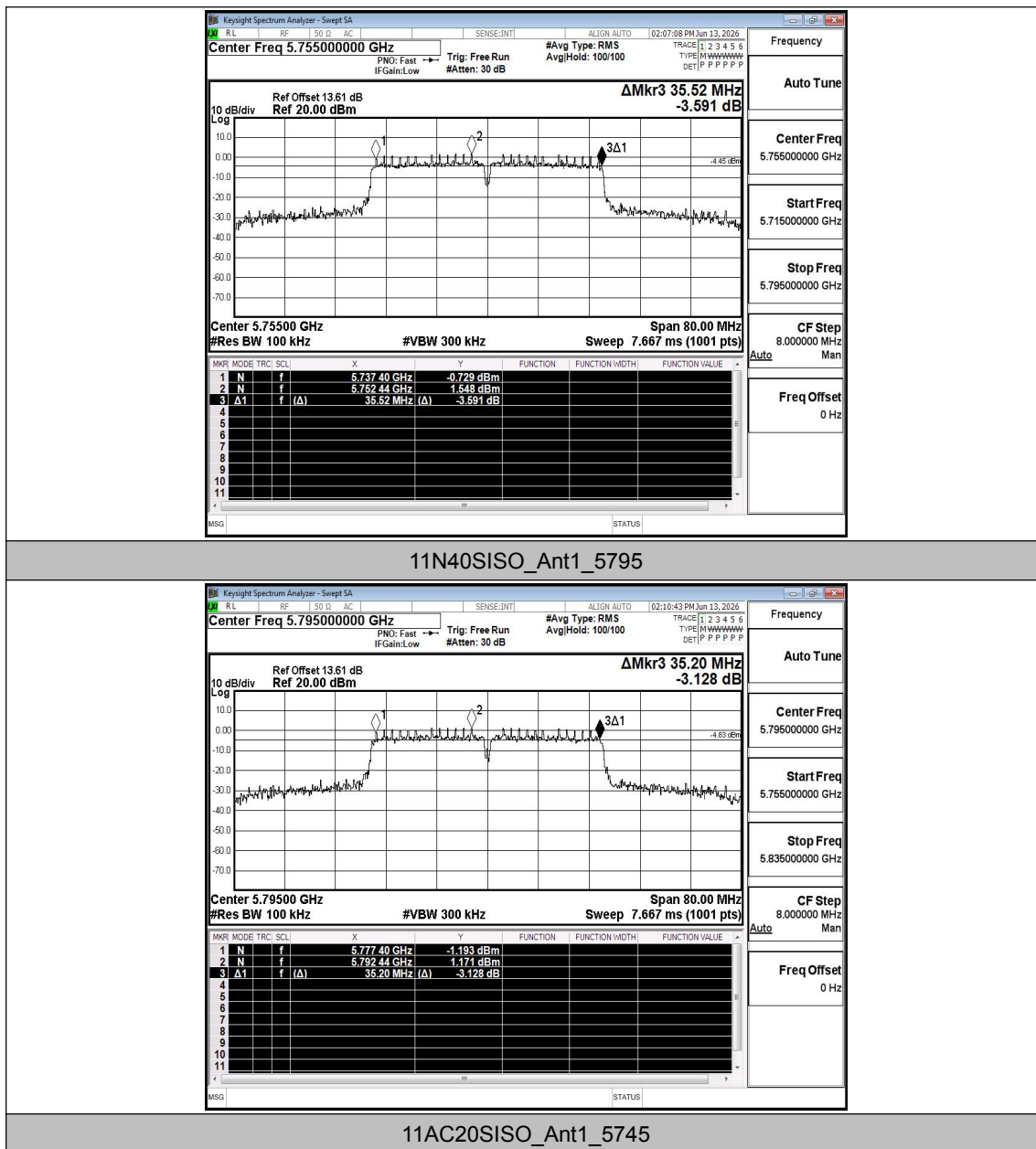
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.840	5753.120	0.5	PASS
		5785	16.320	5776.800	5793.120	0.5	PASS
		5825	16.320	5816.800	5833.120	0.5	PASS
11N20SISO	Ant1	5745	16.840	5736.480	5753.320	0.5	PASS
		5785	16.880	5776.680	5793.560	0.5	PASS
		5825	16.760	5816.440	5833.200	0.5	PASS
11N40SISO	Ant1	5755	35.520	5737.400	5772.920	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.880	5736.400	5753.280	0.5	PASS
		5785	17.000	5776.480	5793.480	0.5	PASS
		5825	16.480	5816.680	5833.160	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.440	5777.160	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

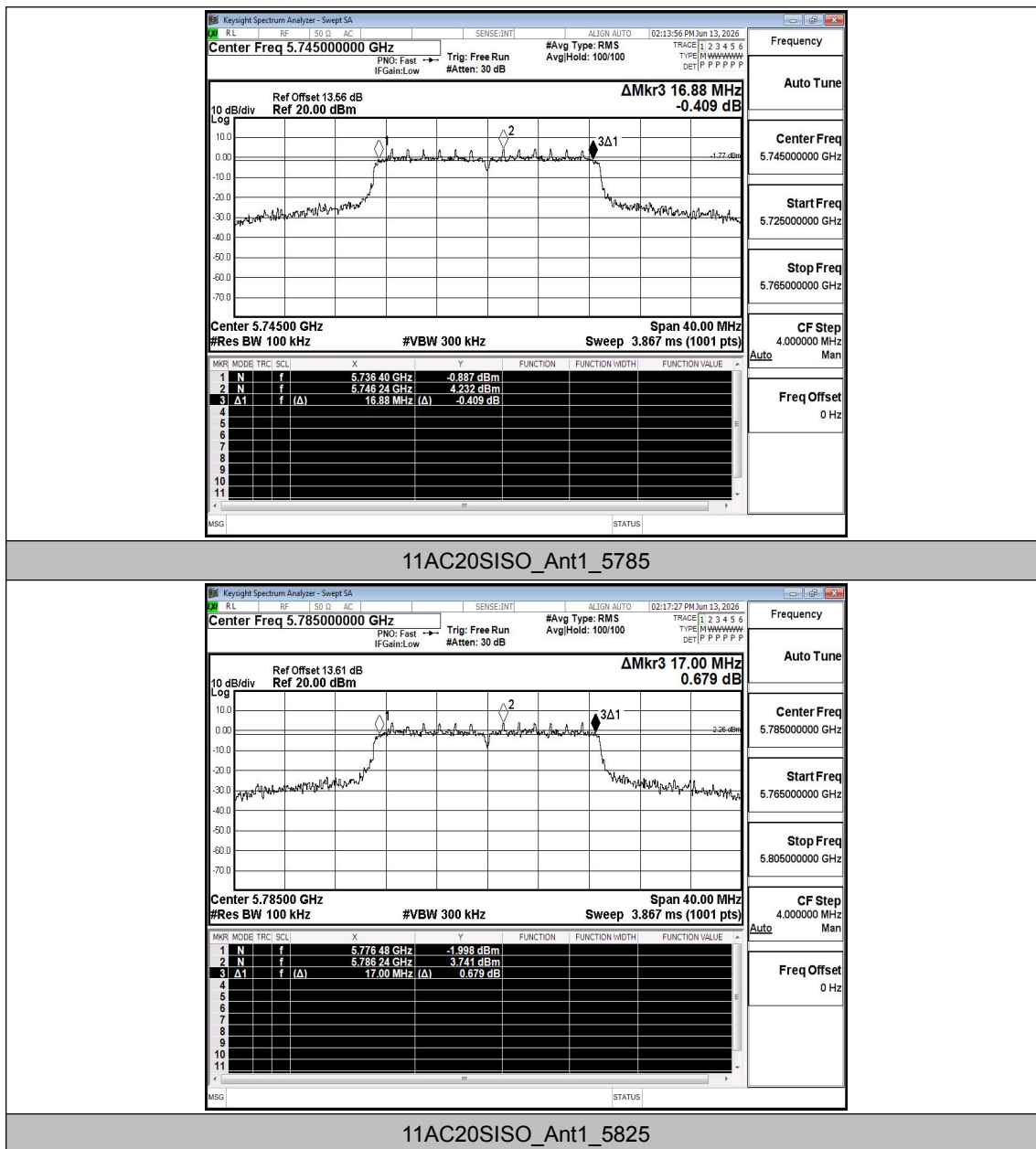
Test Graphs B4

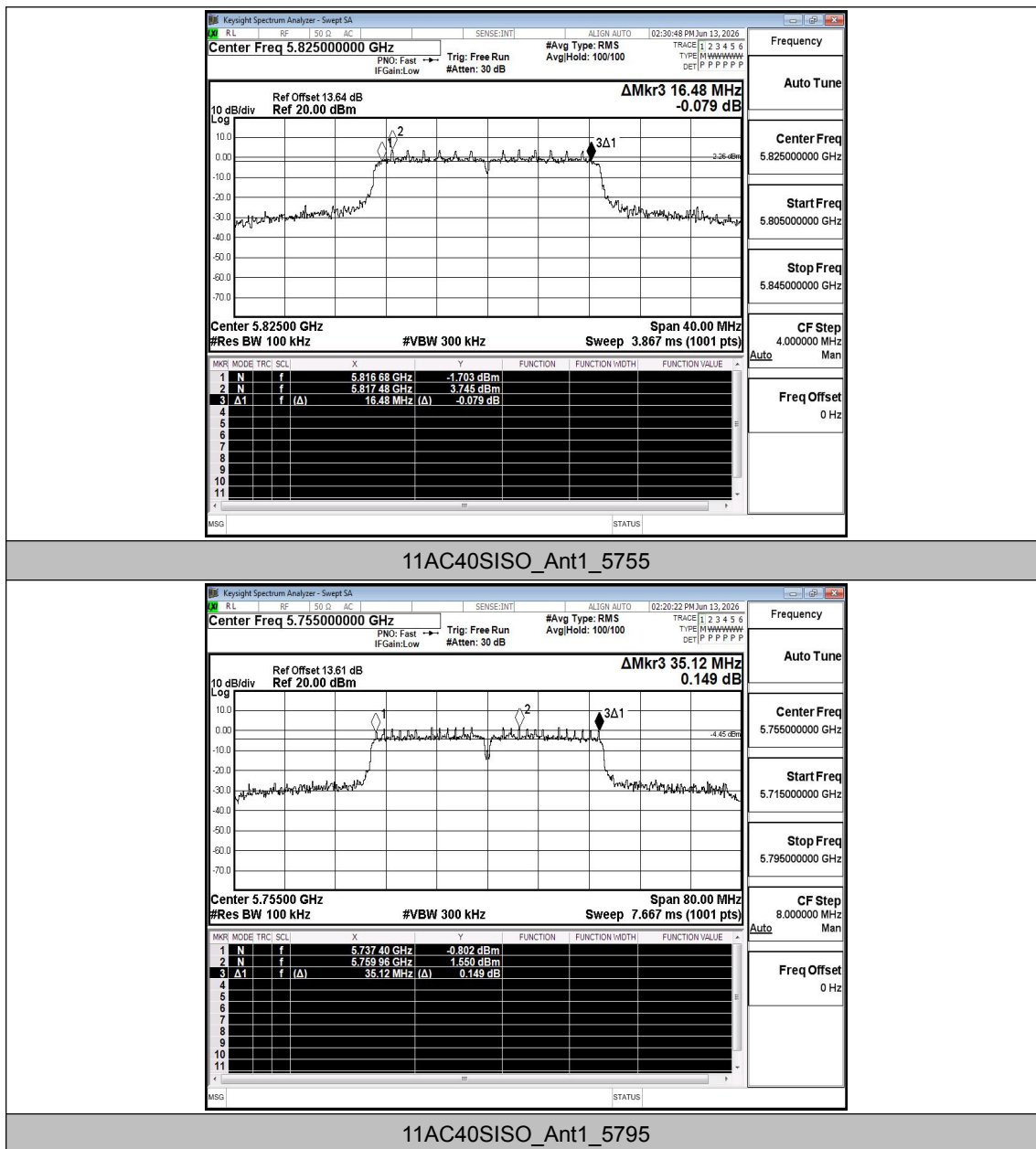


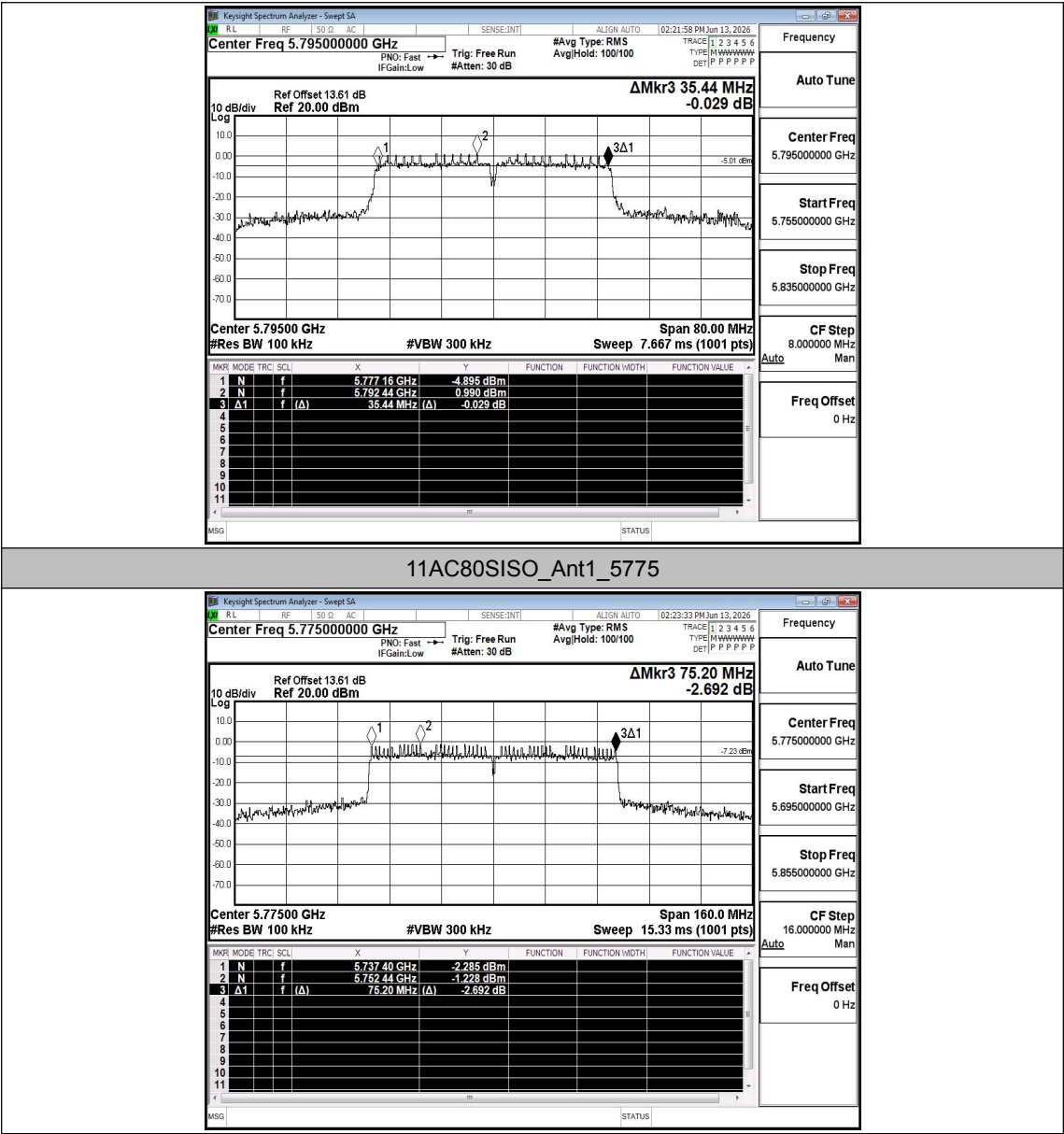












G.2 Maximum conducted output power

Test Result Channel Power

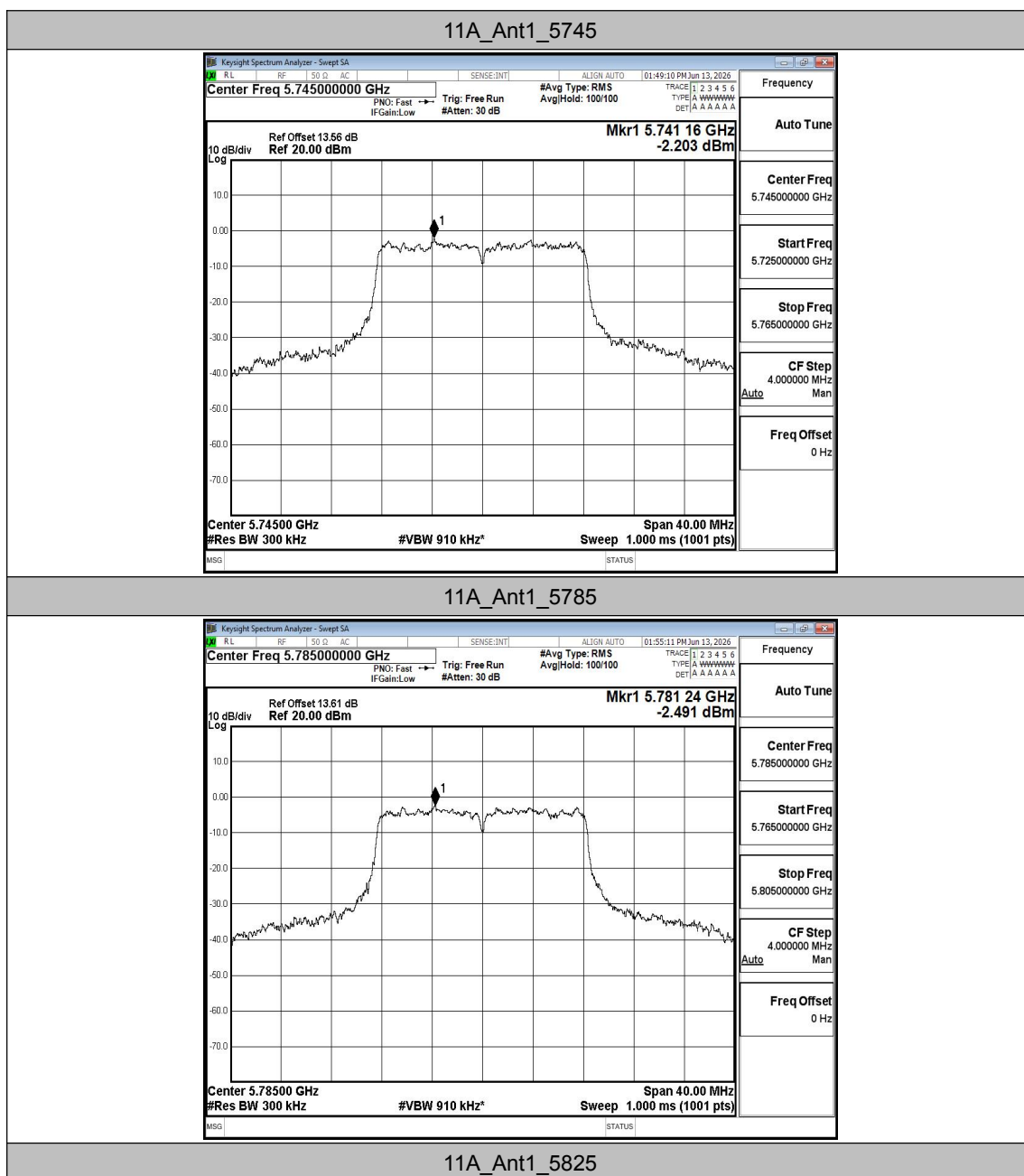
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	NA	14.79	2.43	17.22	≤30.00	PASS
		5785	NA	14.41	2.37	16.78	≤30.00	PASS
		5825	NA	14.12	2.00	16.12	≤30.00	PASS
11N20SISO	Ant1	5745	NA	14.82	2.00	16.82	≤30.00	PASS
		5785	NA	14.23	2.37	16.60	≤30.00	PASS
		5825	NA	13.91	2.14	16.05	≤30.00	PASS
11N40SISO	Ant1	5755	NA	14.01	3.59	17.60	≤30.00	PASS
		5795	NA	13.68	3.59	17.27	≤30.00	PASS
11AC20SISO	Ant1	5745	NA	15.02	2.00	17.02	≤30.00	PASS
		5785	NA	14.39	2.43	16.82	≤30.00	PASS
		5825	NA	14.16	2.43	16.59	≤30.00	PASS
11AC40SISO	Ant1	5755	NA	14.15	3.27	17.42	≤30.00	PASS
		5795	NA	13.65	3.27	16.92	≤30.00	PASS
11AC80SISO	Ant1	5775	NA	13.36	4.26	17.62	≤30.00	PASS

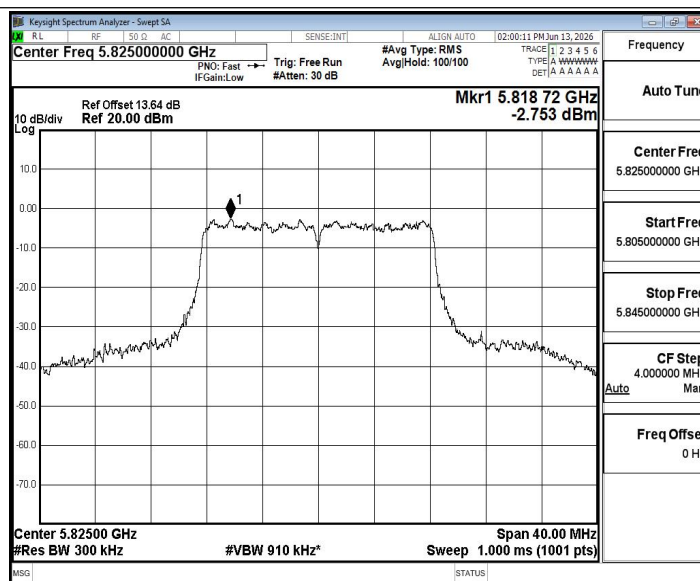
G.3 Maximum power spectral density

Test Result

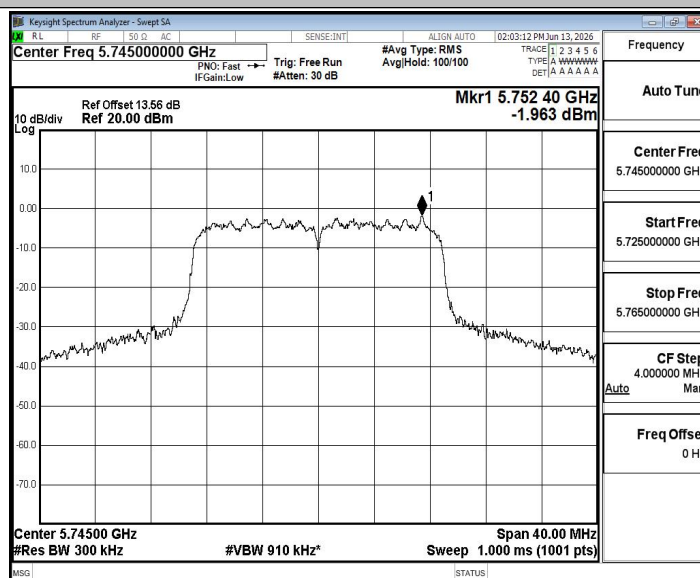
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/500 kHz]	DC Factor	RBW Factor	Result [dBm/500 kHz]	Limit [dBm/500 kHz]	Verdict
11A	Ant1	5745	-2.2	2.43	2.22	2.45	≤30.00	PASS
		5785	-2.49	2.37	2.22	2.10	≤30.00	PASS
		5825	-2.75	2.00	2.22	1.47	≤30.00	PASS
11N20SISO	Ant1	5745	-1.96	2.00	2.22	2.26	≤30.00	PASS
		5785	-2.05	2.37	2.22	2.54	≤30.00	PASS
		5825	-3	2.14	2.22	1.36	≤30.00	PASS
11N40SISO	Ant1	5755	-4.36	3.59	2.22	1.45	≤30.00	PASS
		5795	-4.74	3.59	2.22	1.07	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.19	2.00	2.22	2.03	≤30.00	PASS
		5785	-2.88	2.43	2.22	1.77	≤30.00	PASS
		5825	-2.64	2.43	2.22	2.01	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.53	3.27	2.22	0.96	≤30.00	PASS
		5795	-5.89	3.27	2.22	-0.40	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.23	4.26	2.22	-1.75	≤30.00	PASS

Test Graphs

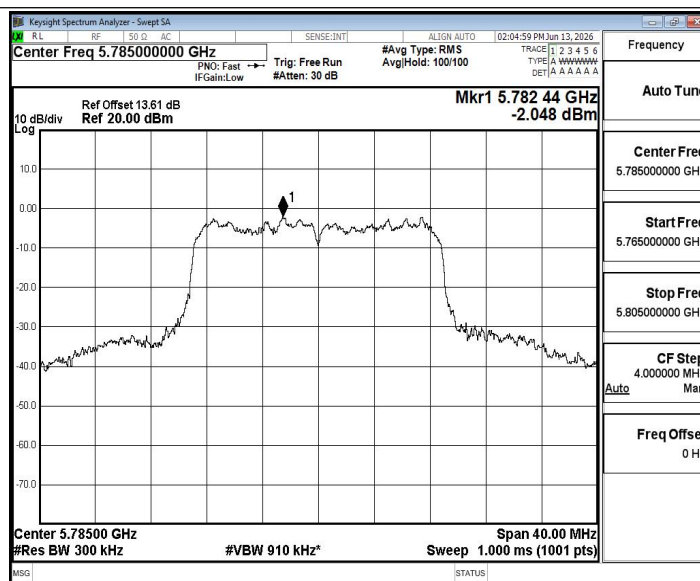




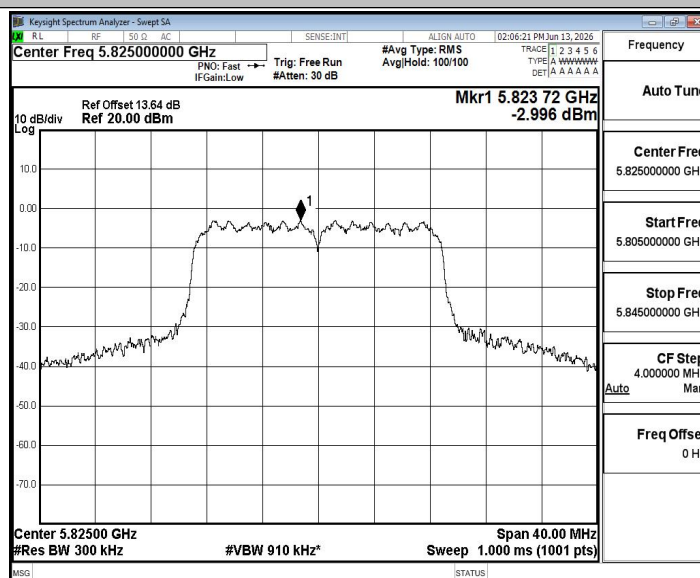
11N20SISO_Ant1_5745



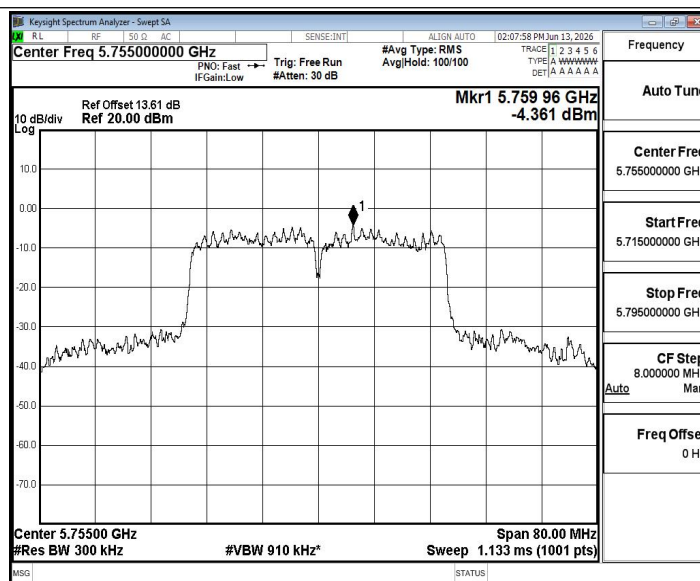
11N20SISO_Ant1_5785



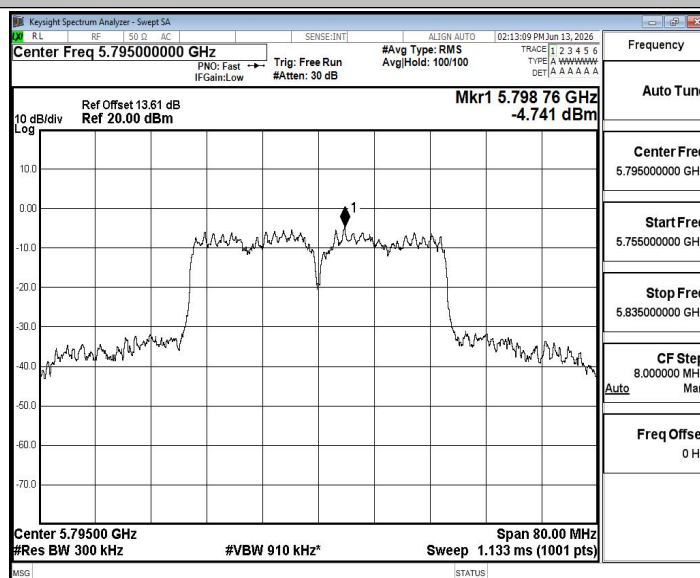
11N20SISO_Ant1_5825



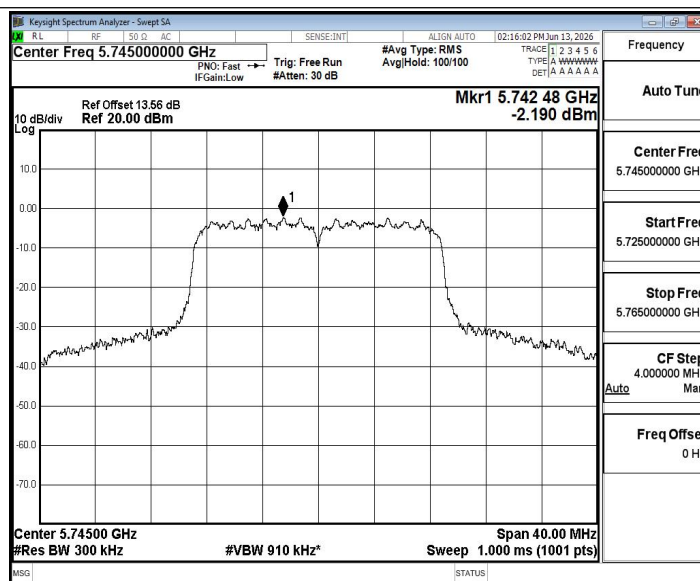
11N40SISO_Ant1_5755



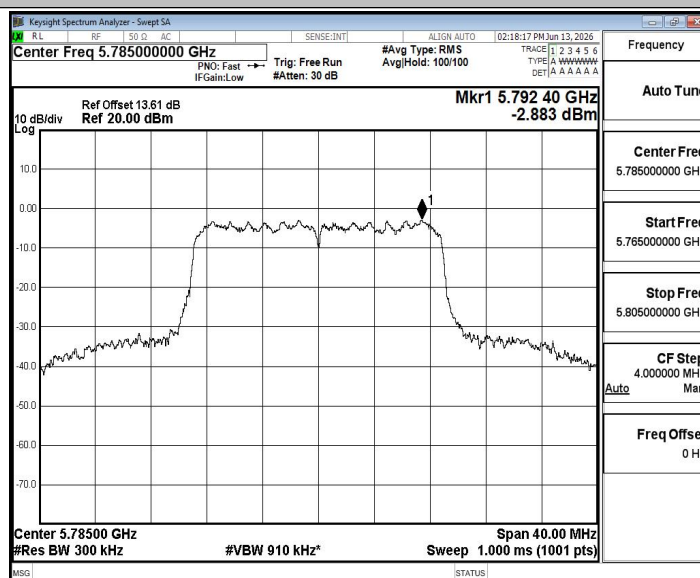
11N40SISO_Ant1_5795



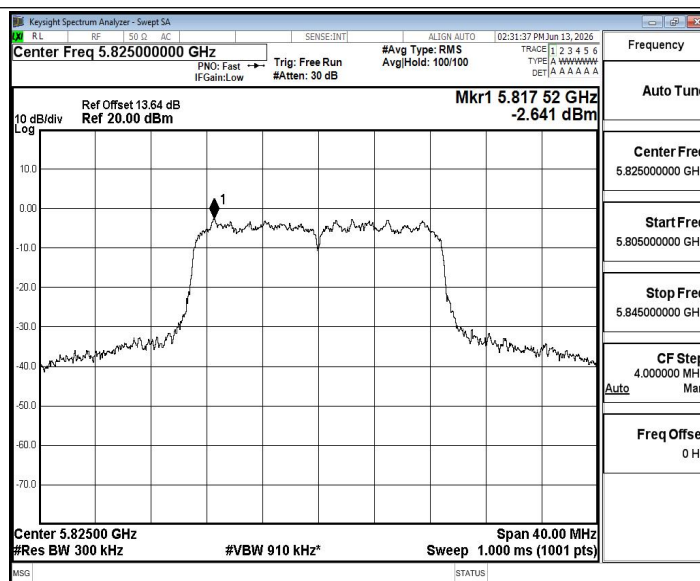
11AC20SISO_Ant1_5745



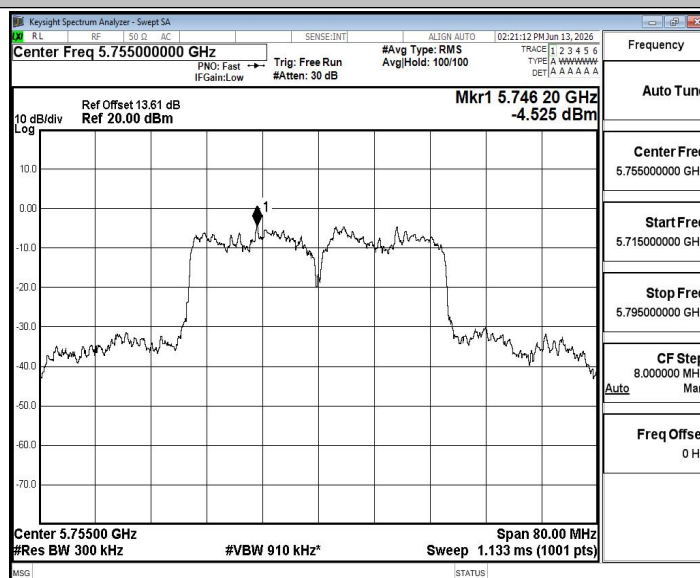
11AC20SISO_Ant1_5785



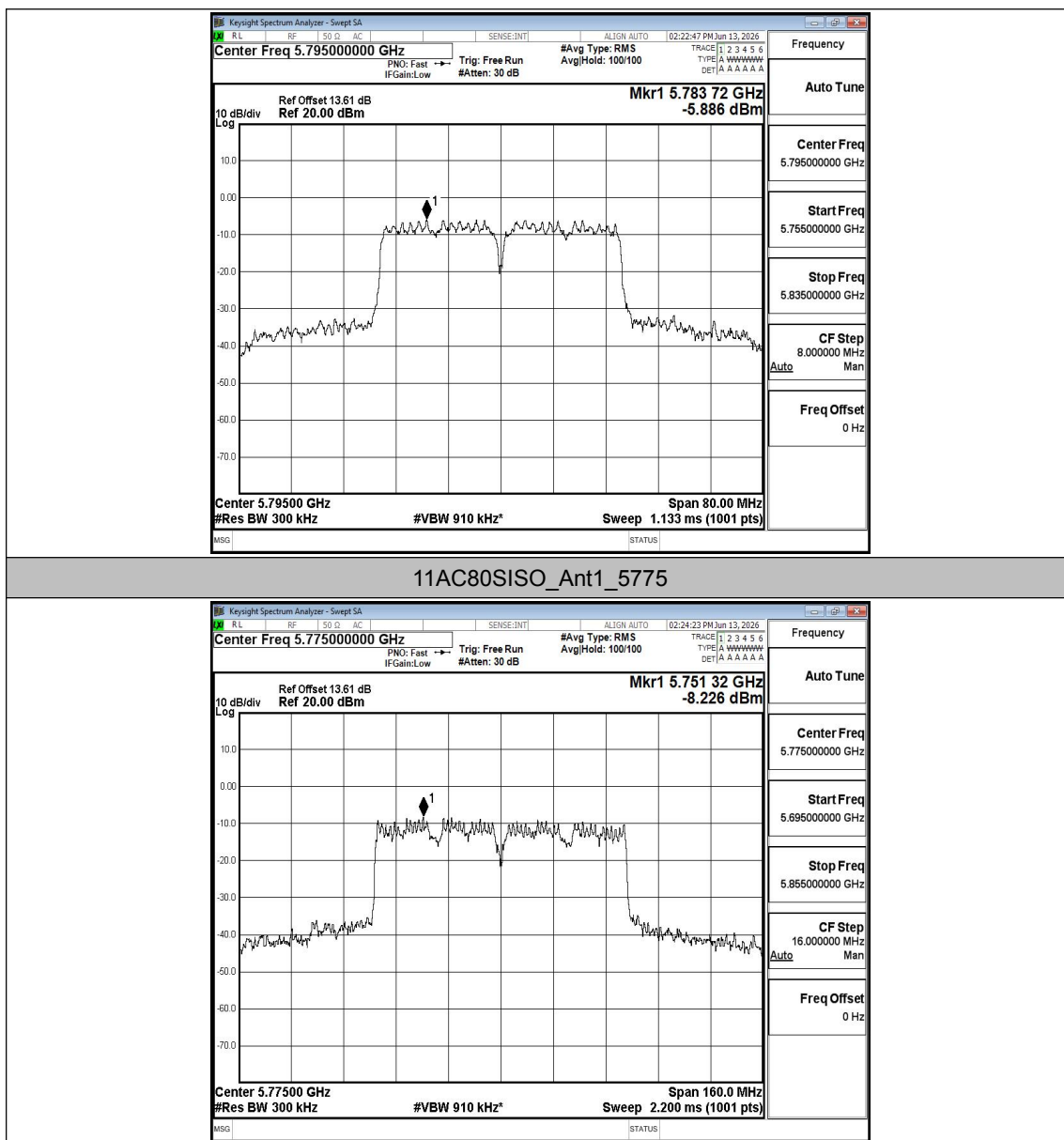
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



G.4 Emissions in Restricted Bands

Test Result

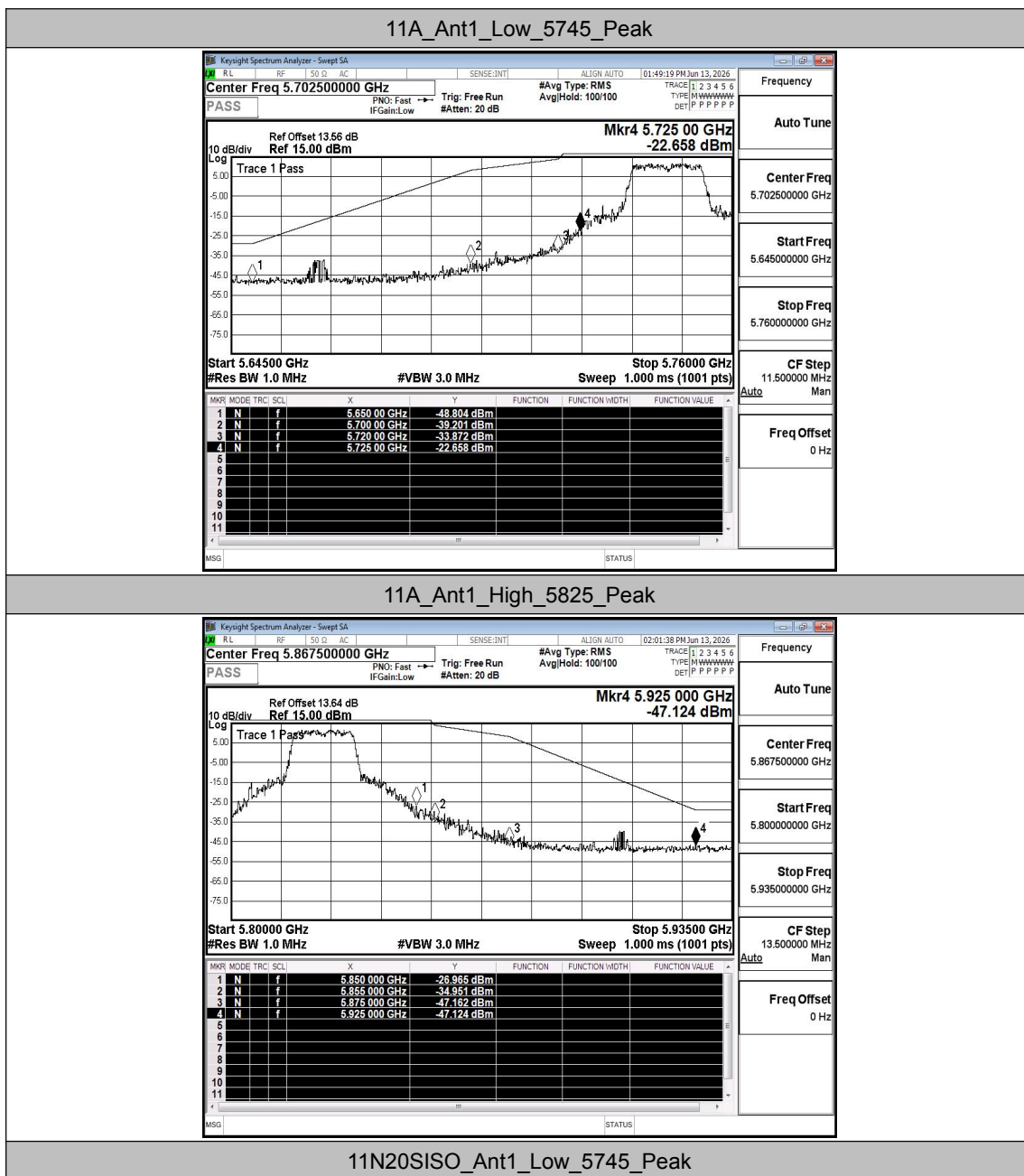
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-48.804	≤-29.00	2.00	PASS
				Peak	5700.000	-39.2	≤8.00	2.00	PASS
				Peak	5720.000	-33.87	≤13.60	2.00	PASS
				Peak	5725.000	-22.66	≤25.00	2.00	PASS
		High	5825	Peak	5850.000	-26.965	≤25.00	2.00	PASS
				Peak	5855.000	-34.95	≤13.60	2.00	PASS
				Peak	5875.000	-47.16	≤8.00	2.00	PASS
				Peak	5925.000	-47.12	≤-27.00	2.00	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-48.027	≤-29.00	2.00	PASS
				Peak	5700.000	-42.24	≤8.00	2.00	PASS
				Peak	5720.000	-30.11	≤13.60	2.00	PASS
				Peak	5725.000	-22.29	≤25.00	2.00	PASS
		High	5825	Peak	5850.000	-28.239	≤25.00	2.00	PASS
				Peak	5855.000	-31.41	≤13.60	2.00	PASS
				Peak	5875.000	-42.22	≤8.00	2.00	PASS
				Peak	5925.000	-48.71	≤-27.00	2.00	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-45.259	≤-29.00	2.00	PASS
				Peak	5700.000	-35.64	≤8.00	2.00	PASS
				Peak	5720.000	-16.38	≤13.60	2.00	PASS
				Peak	5725.000	-15.6	≤25.00	2.00	PASS
		High	5795	Peak	5850.000	-29.821	≤25.00	2.00	PASS
				Peak	5855.000	-36.8	≤13.60	2.00	PASS
				Peak	5875.000	-39.46	≤8.00	2.00	PASS
				Peak	5925.000	-49.37	≤-27.00	2.00	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-48.975	≤-29.00	2.00	PASS
				Peak	5700.000	-40.5	≤8.00	2.00	PASS
				Peak	5720.000	-31.06	≤13.60	2.00	PASS
				Peak	5725.000	-20.14	≤25.00	2.00	PASS
		High	5825	Peak	5850.000	-29.24	≤25.00	2.00	PASS
				Peak	5855.000	-32.58	≤13.60	2.00	PASS
				Peak	5875.000	-42.11	≤8.00	2.00	PASS
				Peak	5925.000	-49.8	≤-27.00	2.00	PASS
11AC40SISO	Ant1	Low	5755	Peak	5650.000	-46.742	≤-29.00	2.00	PASS
				Peak	5700.000	-35.23	≤8.00	2.00	PASS
				Peak	5720.000	-19.41	≤13.60	2.00	PASS

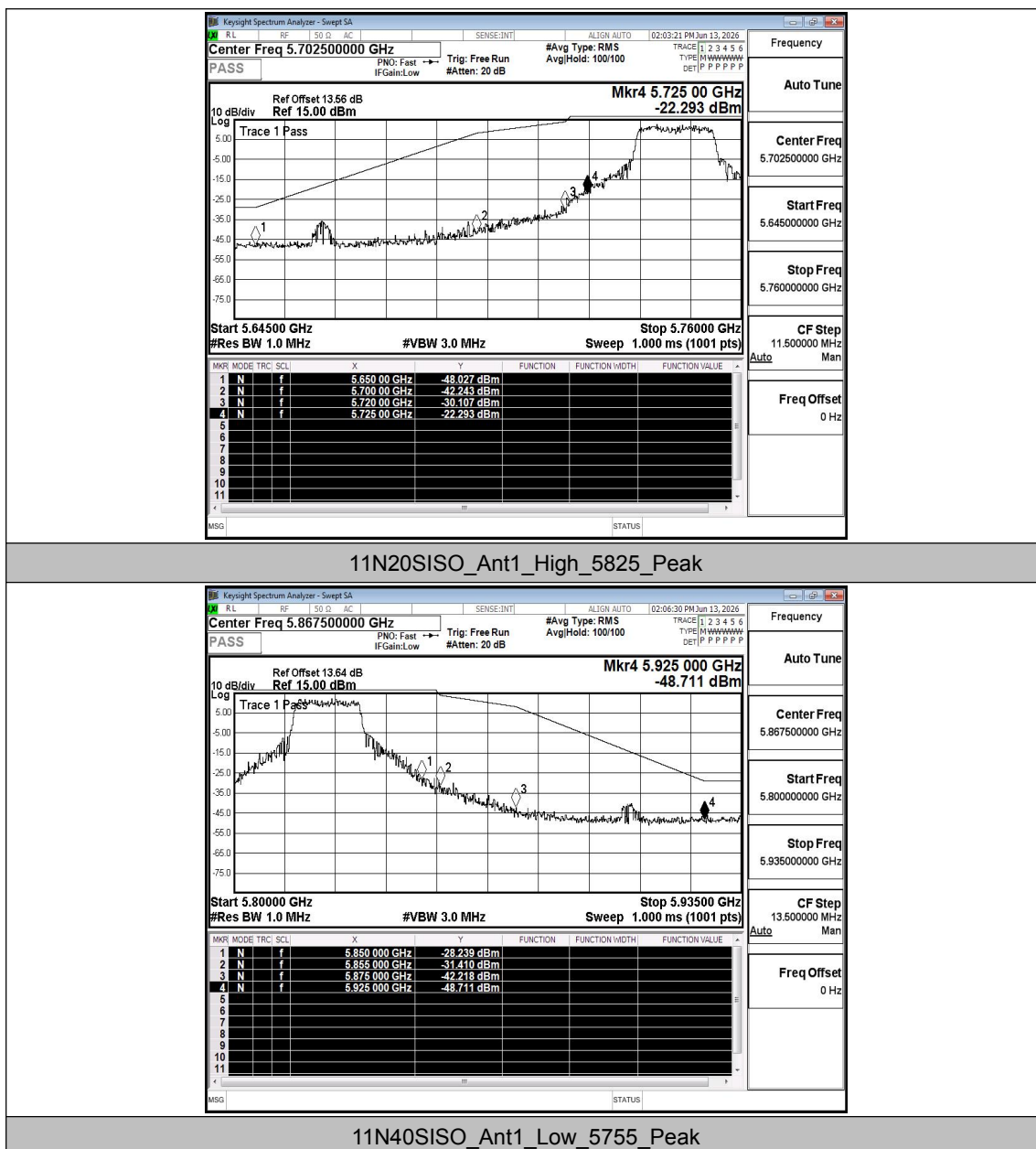
11AC80SISO	Ant1	High	5795	Peak	5725.000	-16.04	≤25.00	2.00	PASS
				Peak	5850.000	-32.274	≤25.00	2.00	PASS
				Peak	5855.000	-35.89	≤13.60	2.00	PASS
				Peak	5875.000	-40.42	≤8.00	2.00	PASS
				Peak	5925.000	-49.29	≤-27.00	2.00	PASS
		Low	5775	Peak	5650.000	-39.545	≤-29.00	2.00	PASS
				Peak	5700.000	-24.77	≤8.00	2.00	PASS
				Peak	5720.000	-21.8	≤13.60	2.00	PASS
				Peak	5725.000	-20.02	≤25.00	2.00	PASS
		High	5775	Peak	5850.000	-22.54	≤25.00	2.00	PASS
				Peak	5855.000	-25.73	≤13.60	2.00	PASS
				Peak	5875.000	-31.83	≤8.00	2.00	PASS
				Peak	5925.000	-43.98	≤-27.00	2.00	PASS

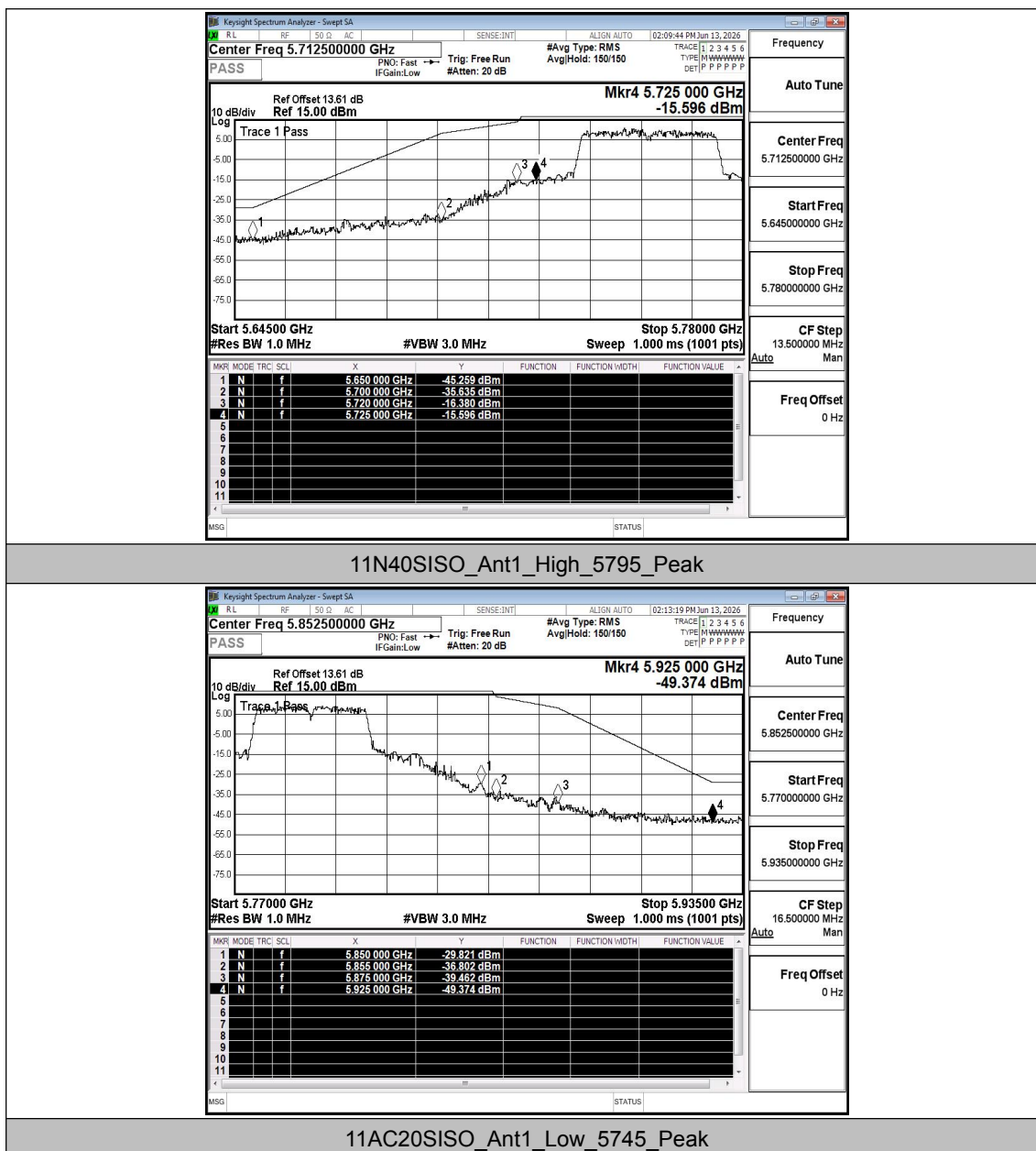
Note:

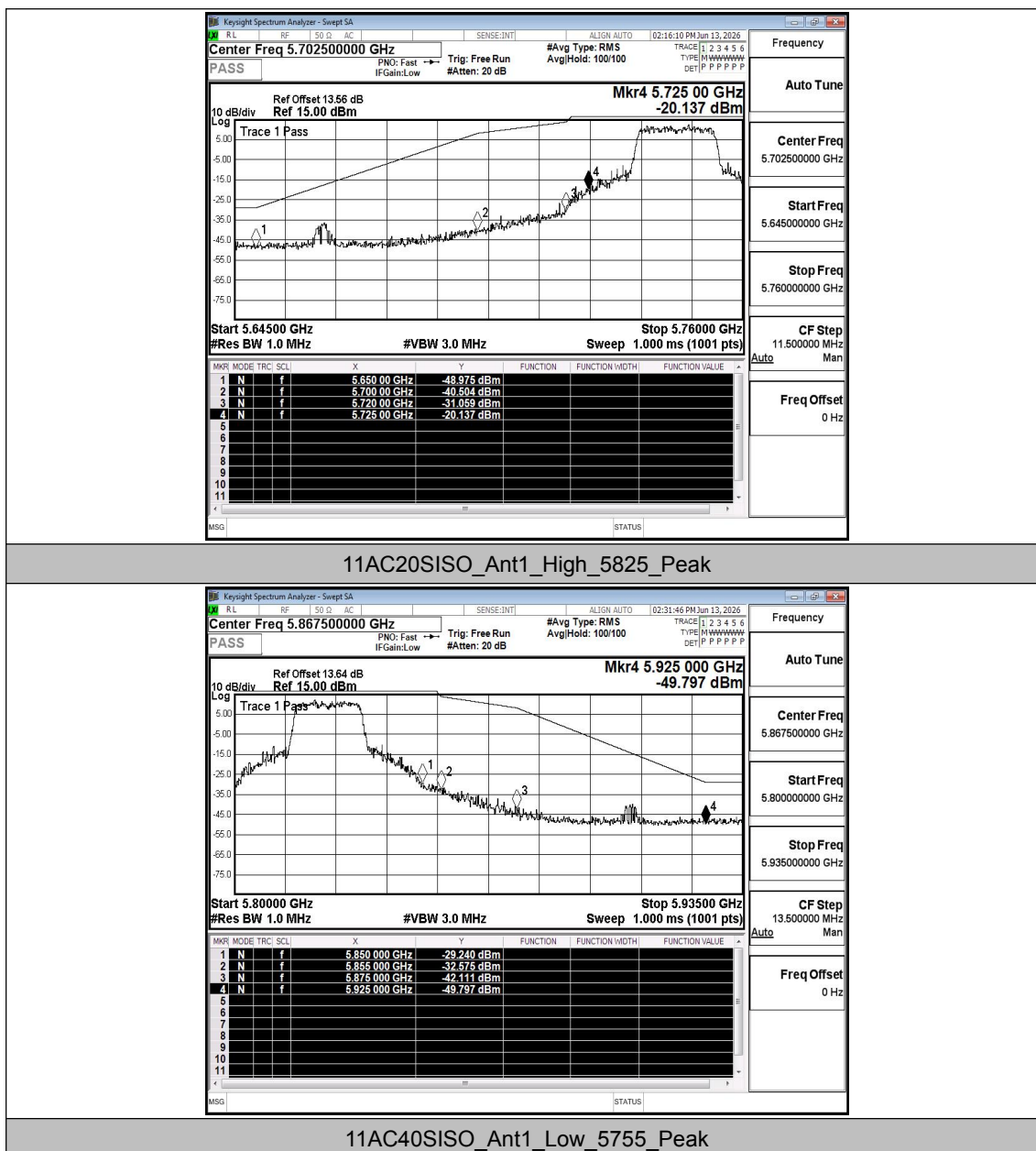
1. The Antenna Gain is compensated in the graph.

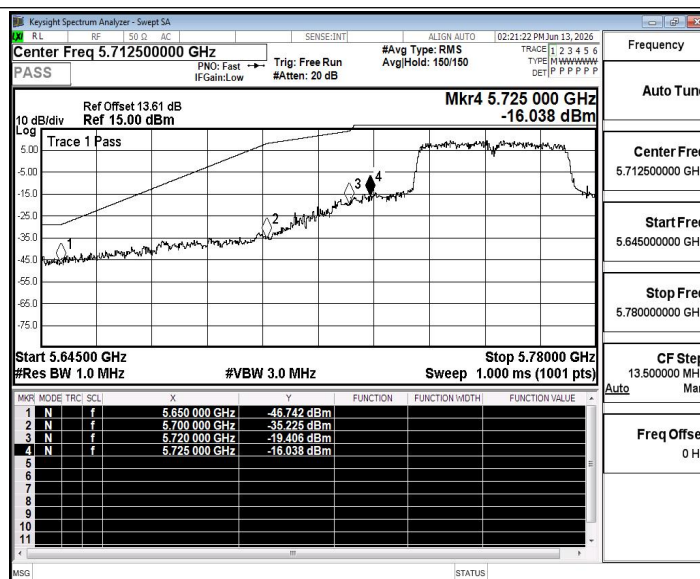
Test Graphs



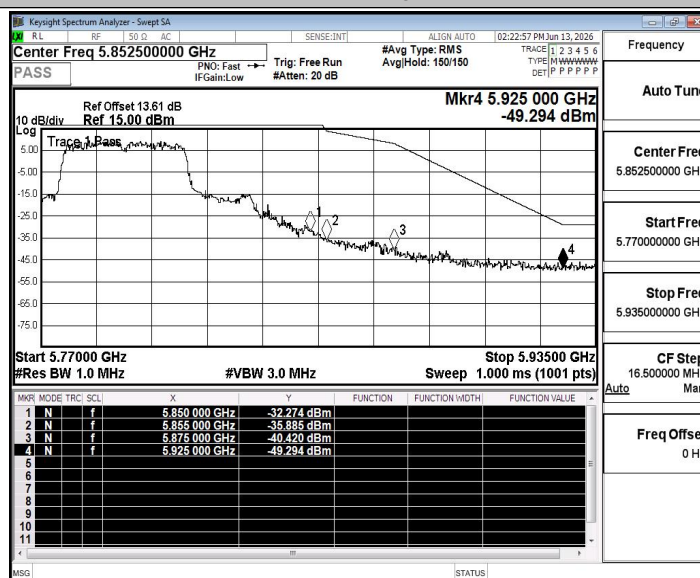








11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak