

Appendix E

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: Network Player

Test Model: 9000NQ

Environmental Conditions

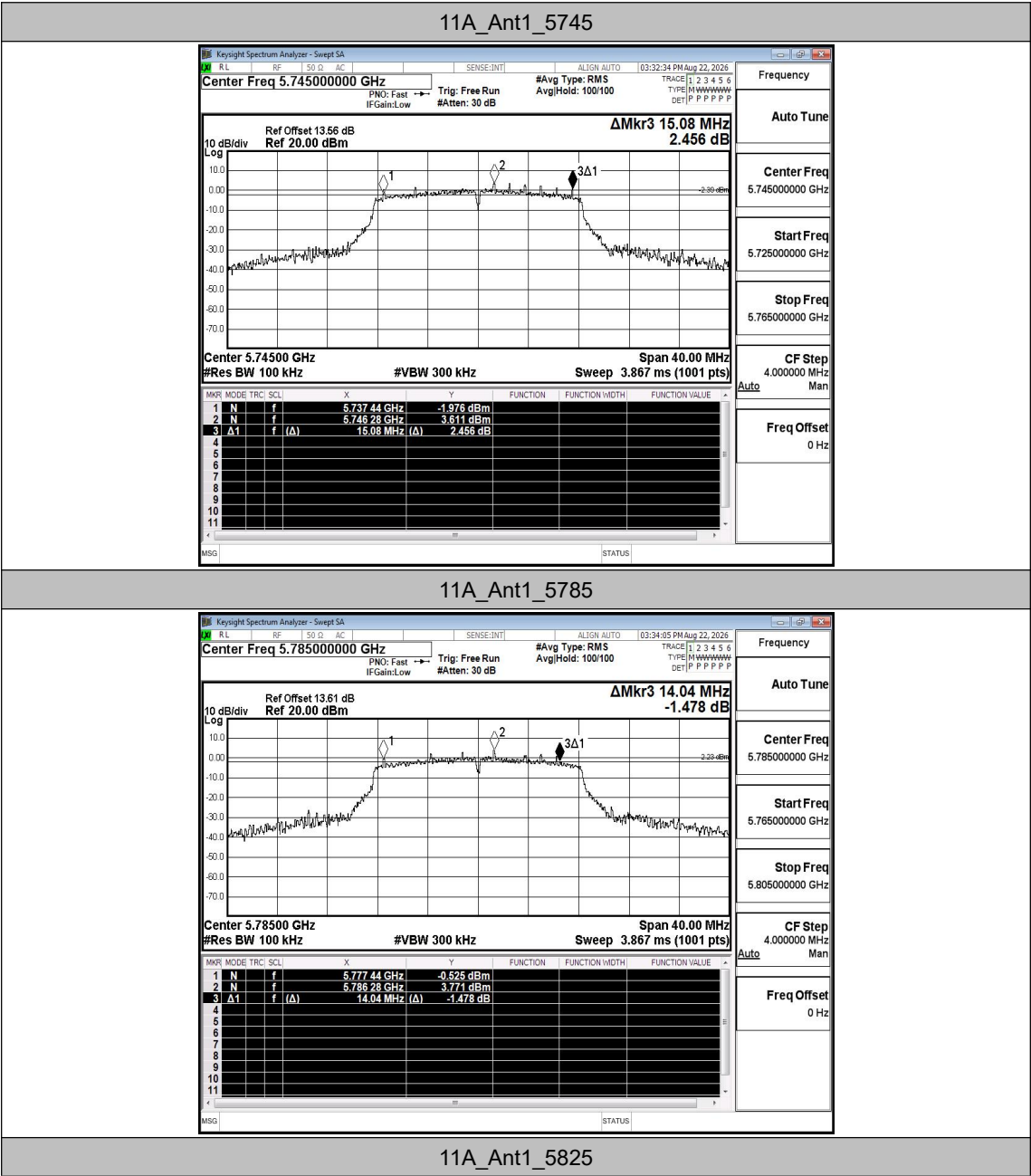
Temperature:	24.2° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

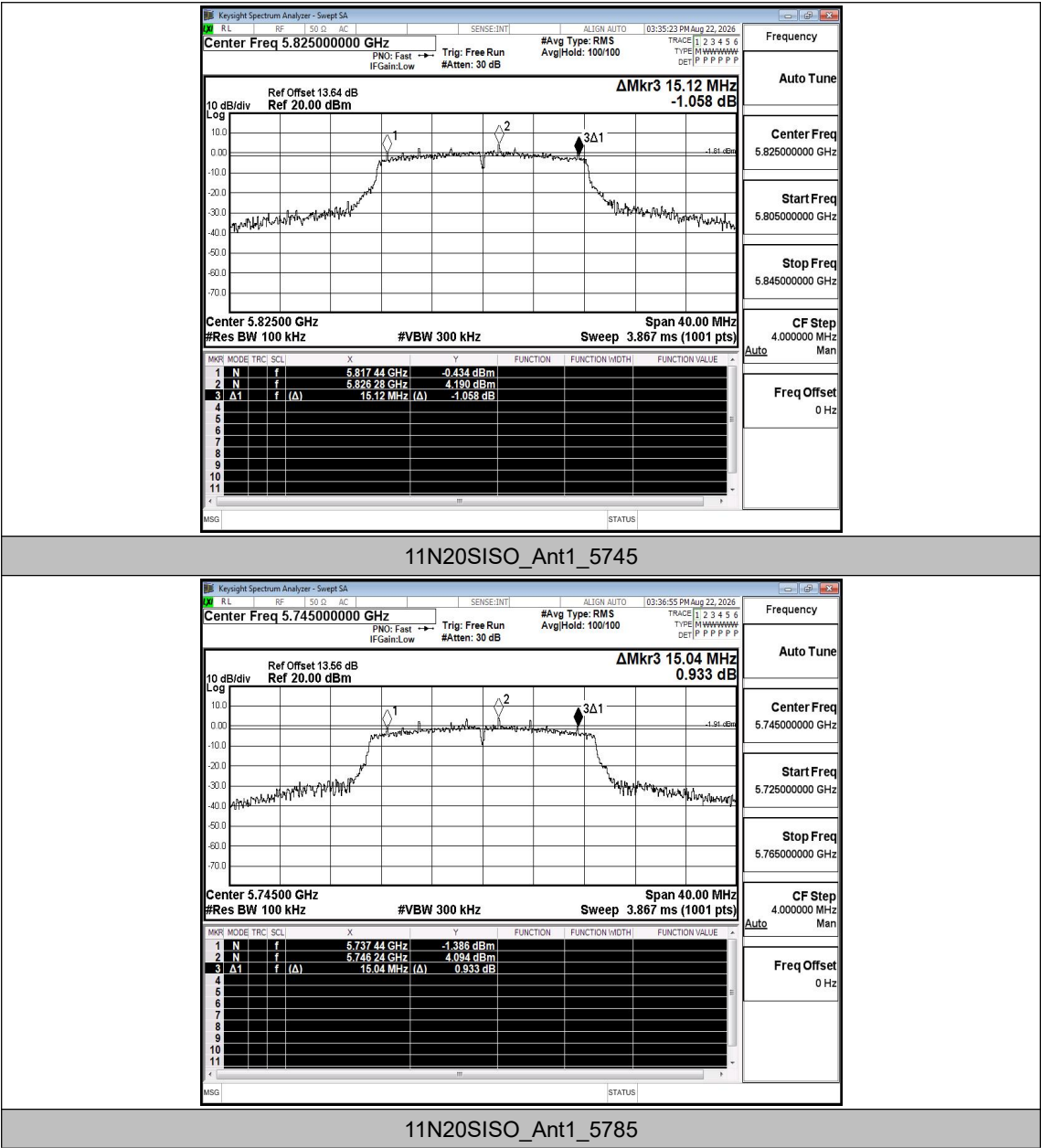
E.1 6dB Emission Bandwidth

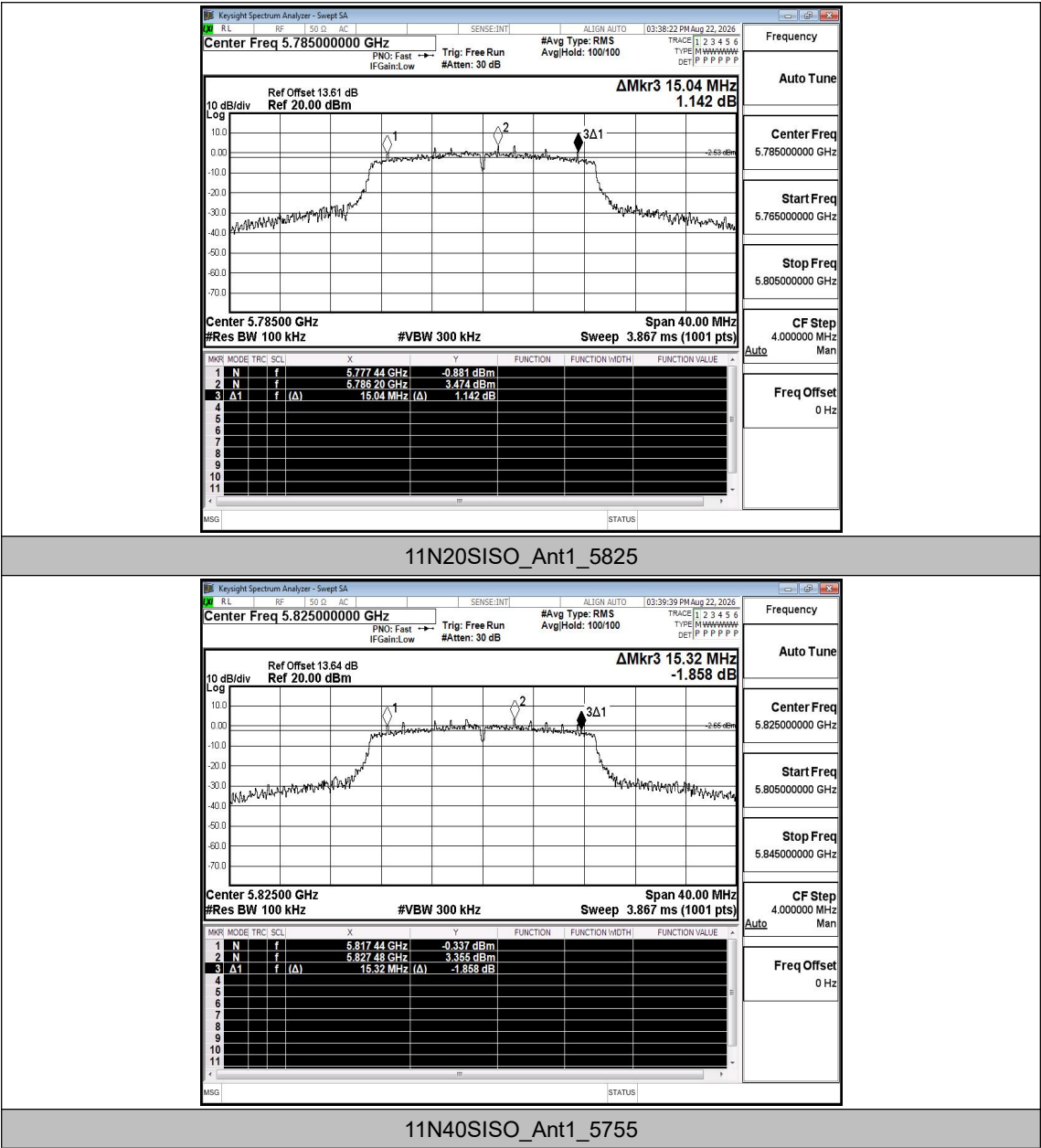
Test Result

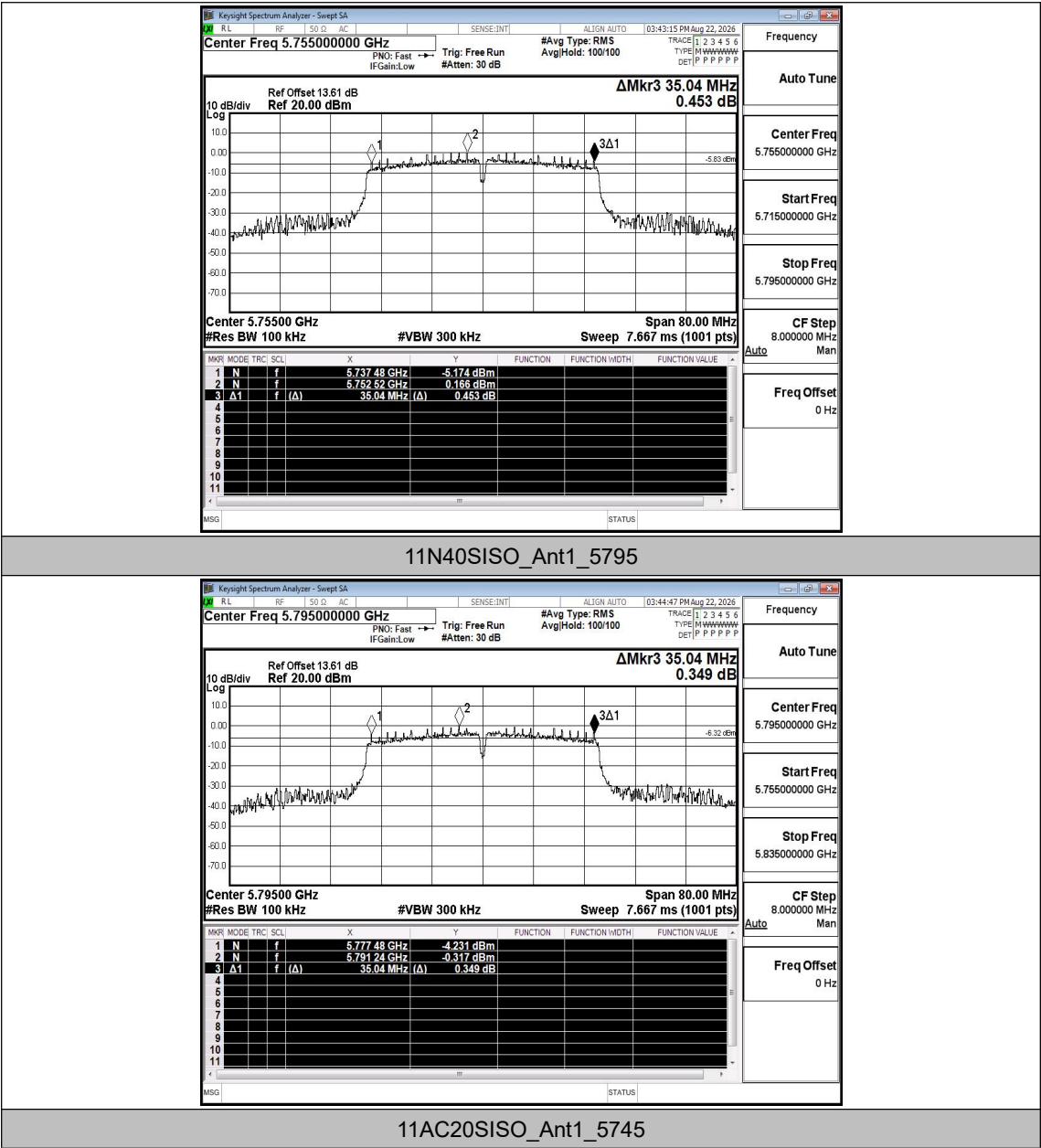
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	14.040	5777.440	5791.480	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.040	5777.440	5792.480	0.5	PASS
		5825	15.320	5817.440	5832.760	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	15.680	5737.440	5753.120	0.5	PASS
		5785	14.800	5777.720	5792.520	0.5	PASS
		5825	15.880	5817.480	5833.360	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	33.840	5777.480	5811.320	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

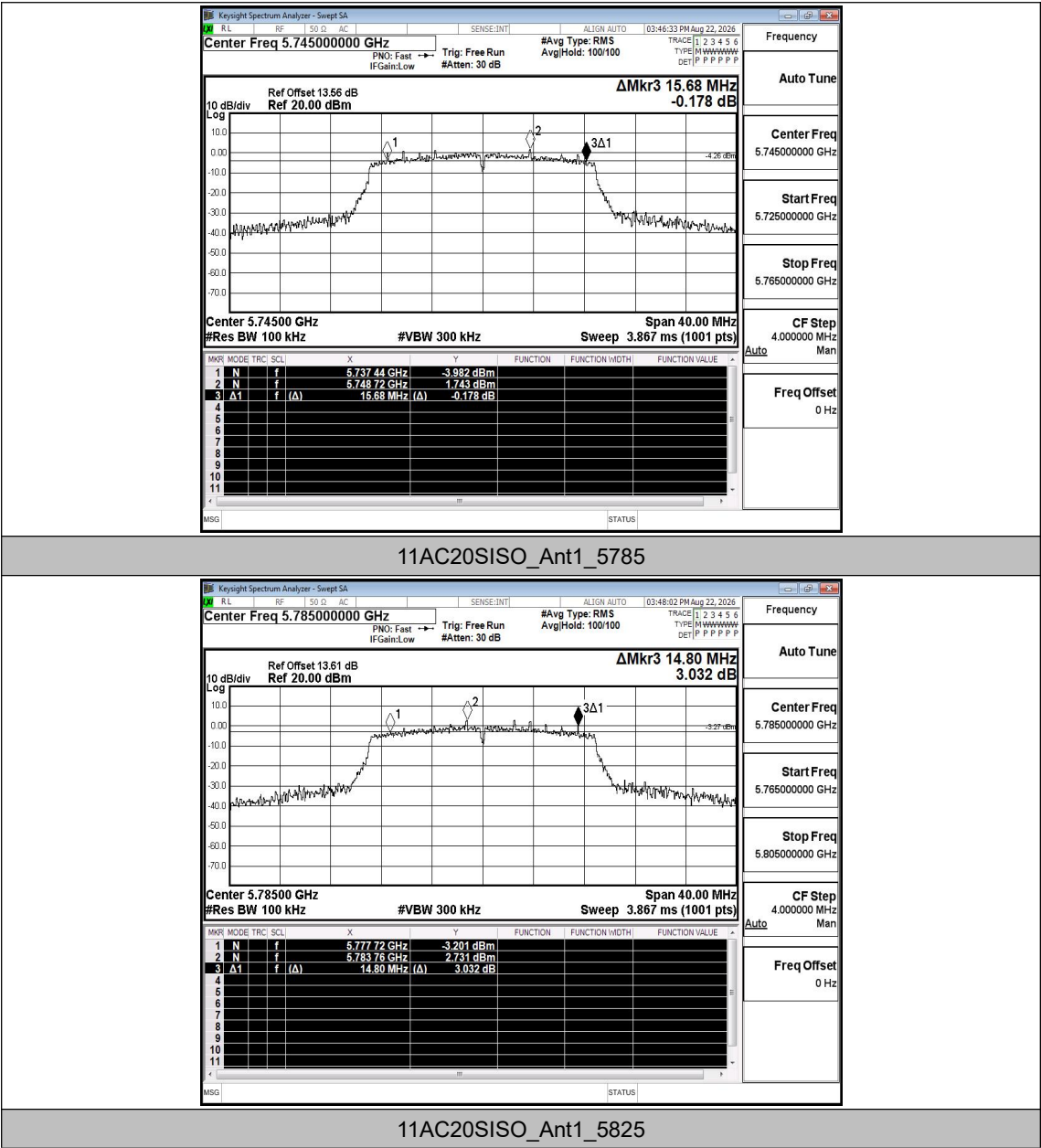
Test Graphs

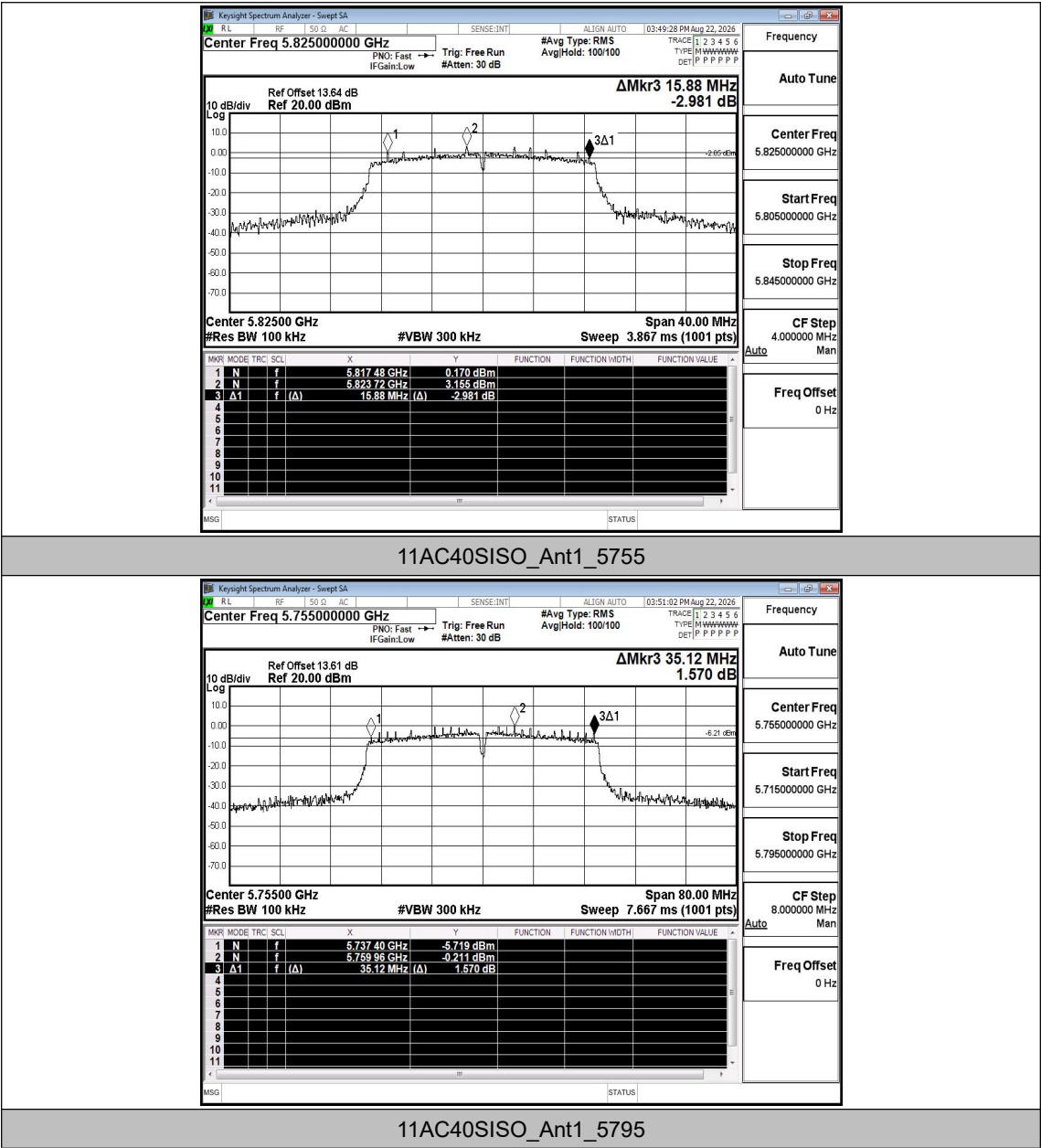


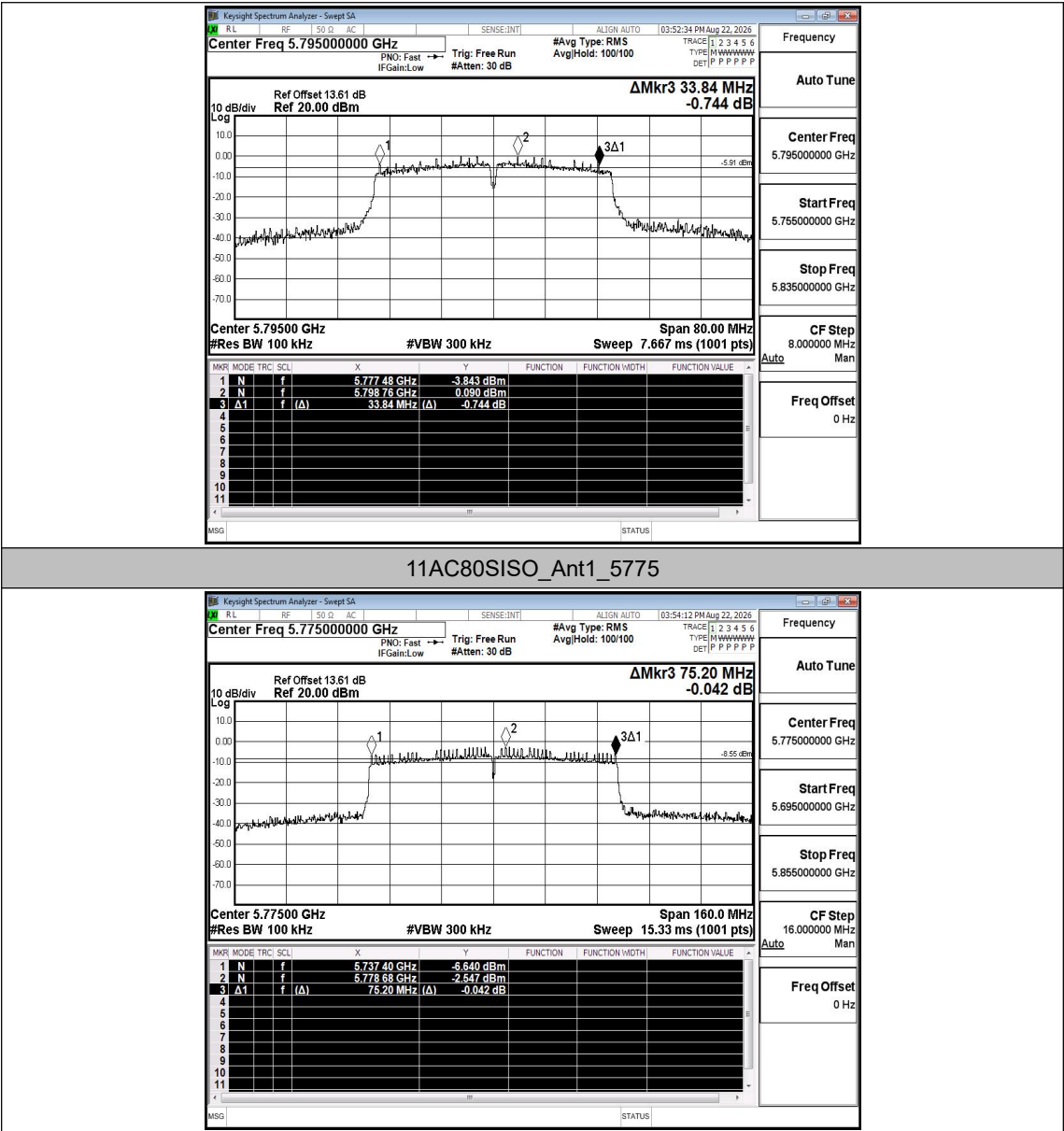












E.2 Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	NA	15.45	0.12	15.57	≤30.00	PASS
		5785	NA	15.57	0.12	15.69	≤30.00	PASS
		5825	NA	15.61	0.15	15.76	≤30.00	PASS
11N20SISO	Ant1	5745	NA	15.41	0.16	15.57	≤30.00	PASS
		5785	NA	15.40	0.13	15.53	≤30.00	PASS
		5825	NA	15.45	0.17	15.62	≤30.00	PASS
11N40SISO	Ant1	5755	NA	14.79	0.33	15.12	≤30.00	PASS
		5795	NA	14.55	0.26	14.81	≤30.00	PASS
11AC20SISO	Ant1	5745	NA	14.95	0.13	15.08	≤30.00	PASS
		5785	NA	15.02	0.16	15.18	≤30.00	PASS
		5825	NA	14.93	0.13	15.06	≤30.00	PASS
11AC40SISO	Ant1	5755	NA	14.75	0.26	15.01	≤30.00	PASS
		5795	NA	14.62	0.26	14.88	≤30.00	PASS
11AC80SISO	Ant1	5775	NA	14.56	0.63	15.19	≤30.00	PASS

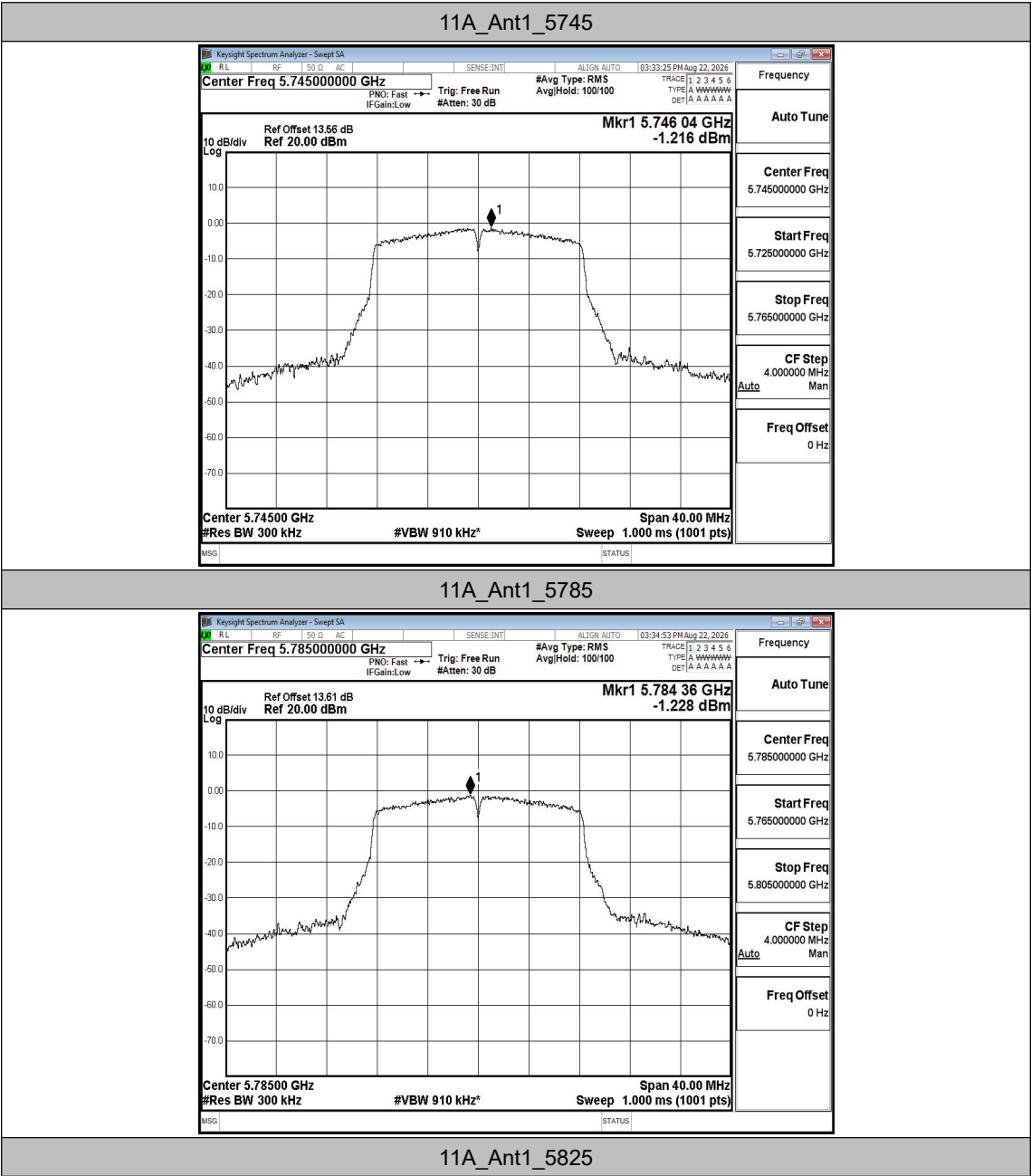
E.3 Maximum power spectral density

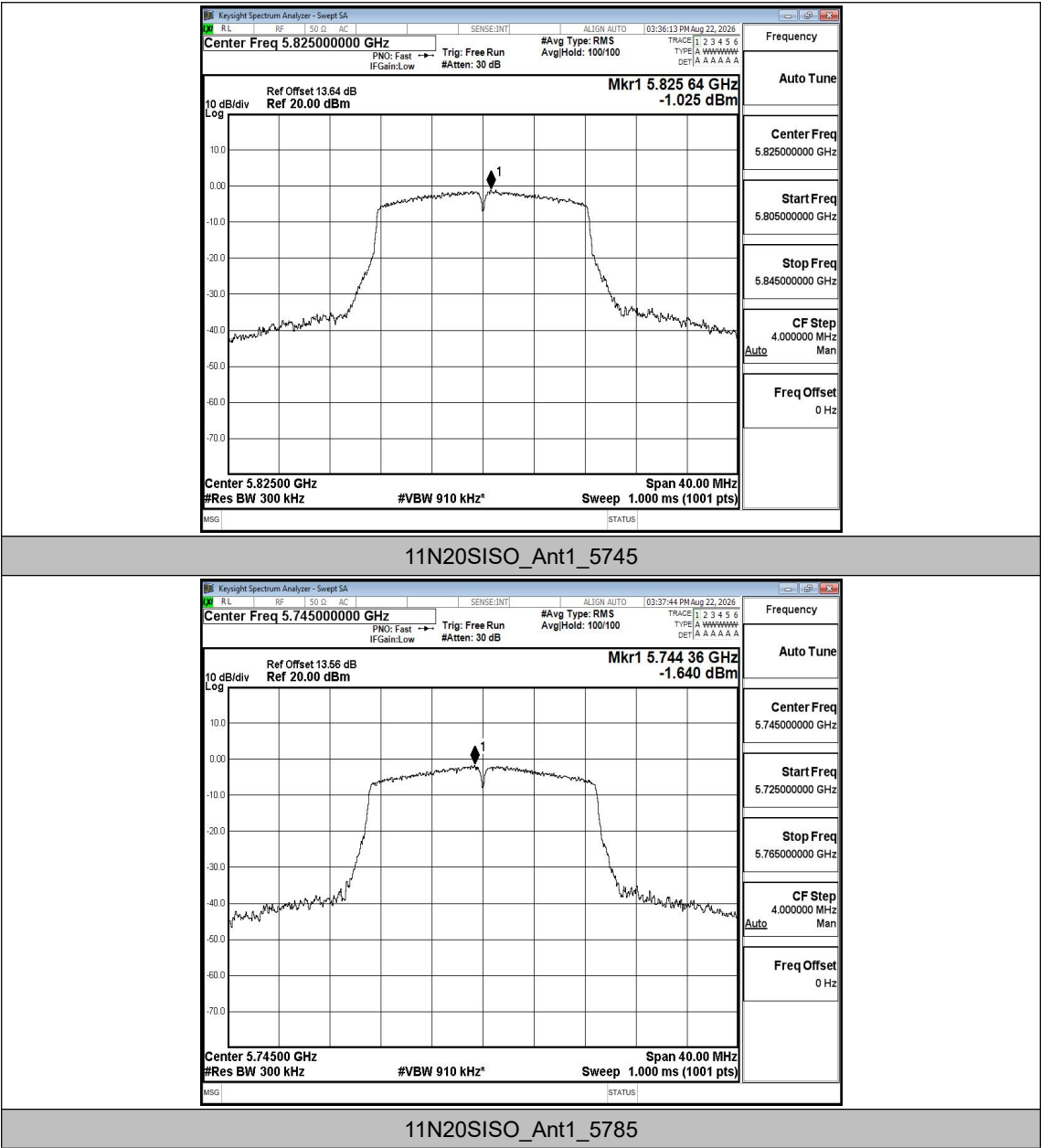
Test Result

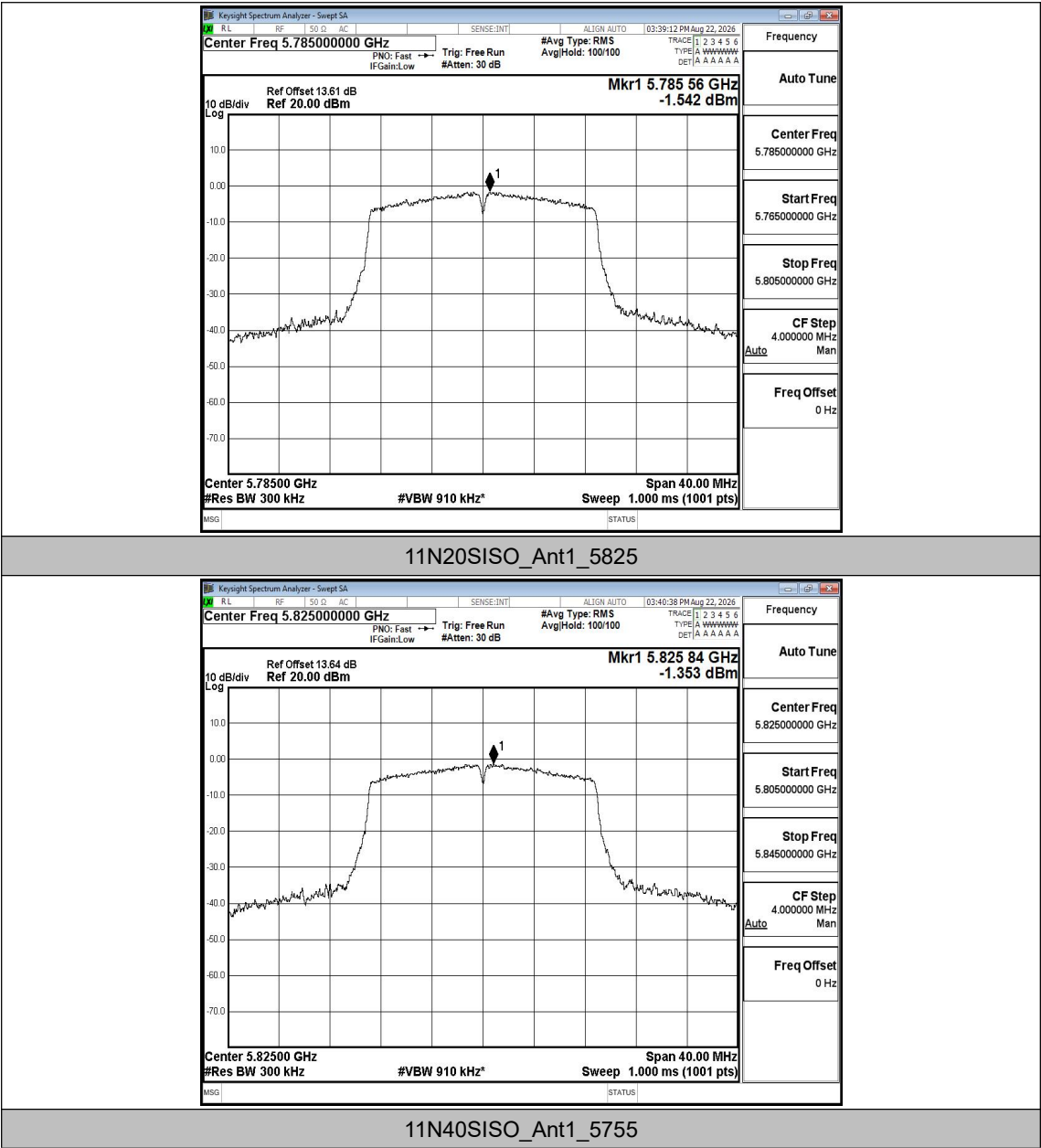
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/500KHz]	DC Factor	RBW Factor	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	-1.22	0.12	2.22	1.12	≤30.00	PASS
		5785	-1.23	0.12	2.22	1.11	≤30.00	PASS
		5825	-1.03	0.15	2.22	1.34	≤30.00	PASS
11N20SISO	Ant1	5745	-1.64	0.16	2.22	0.74	≤30.00	PASS
		5785	-1.54	0.13	2.22	0.81	≤30.00	PASS
		5825	-1.35	0.17	2.22	1.04	≤30.00	PASS
11N40SISO	Ant1	5755	-5	0.33	2.22	-2.45	≤30.00	PASS
		5795	-5.29	0.26	2.22	-2.81	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.8	0.13	2.22	0.55	≤30.00	PASS
		5785	-1.84	0.16	2.22	0.54	≤30.00	PASS
		5825	-1.99	0.13	2.22	0.36	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.17	0.26	2.22	-2.69	≤30.00	PASS
		5795	-4.92	0.26	2.22	-2.44	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.57	0.63	2.22	-5.72	≤30.00	PASS

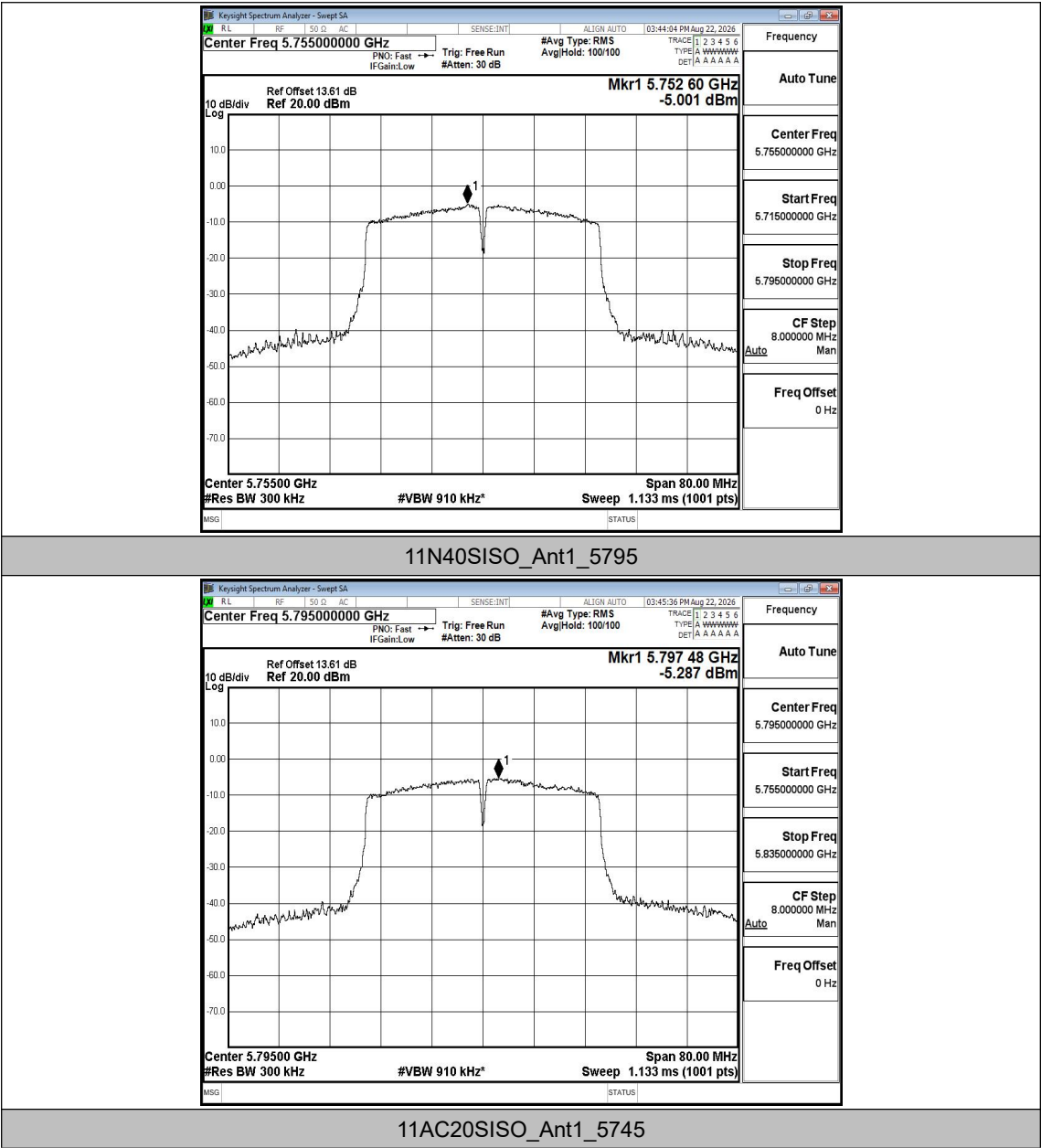
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

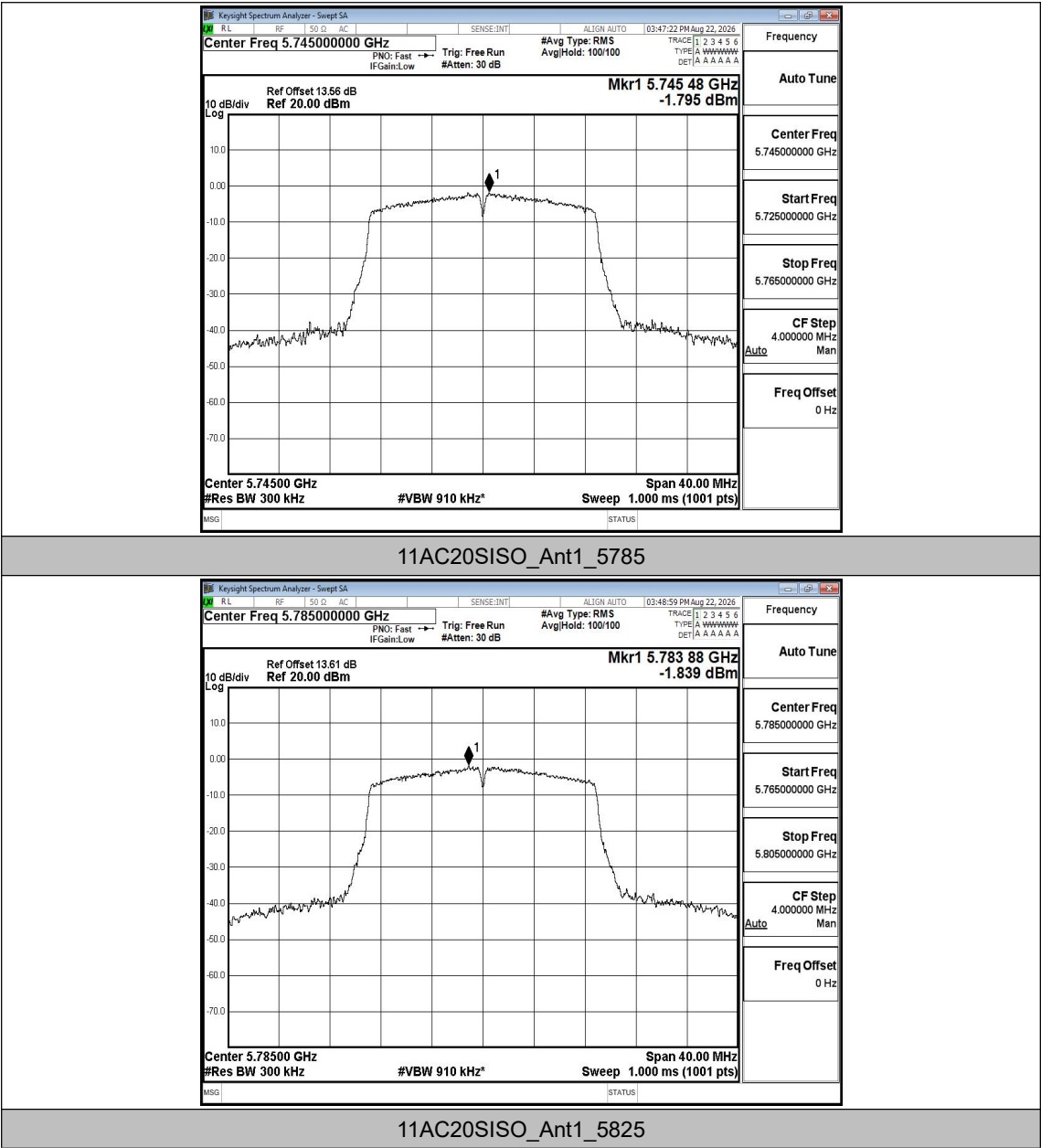
Test Graphs

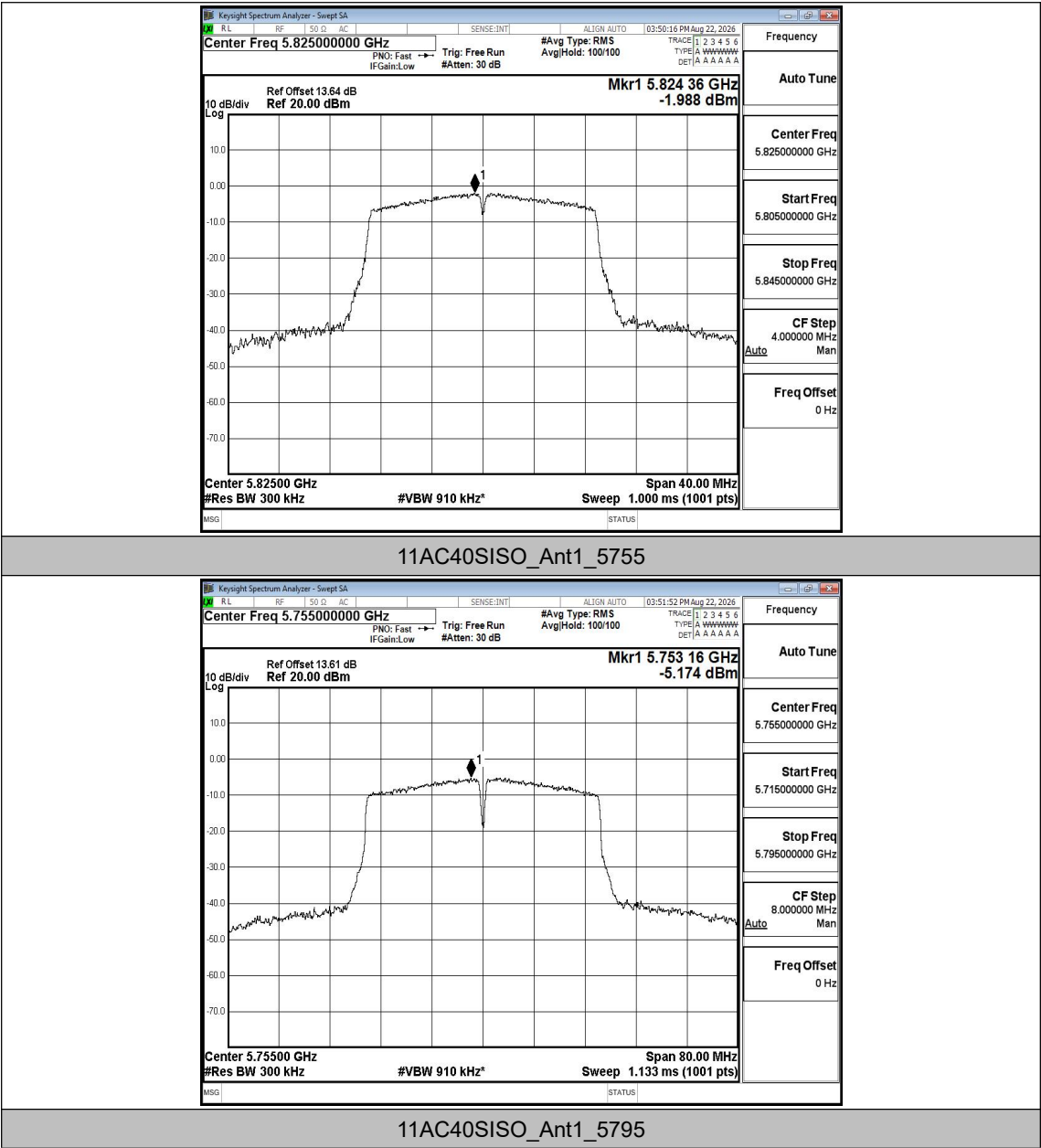


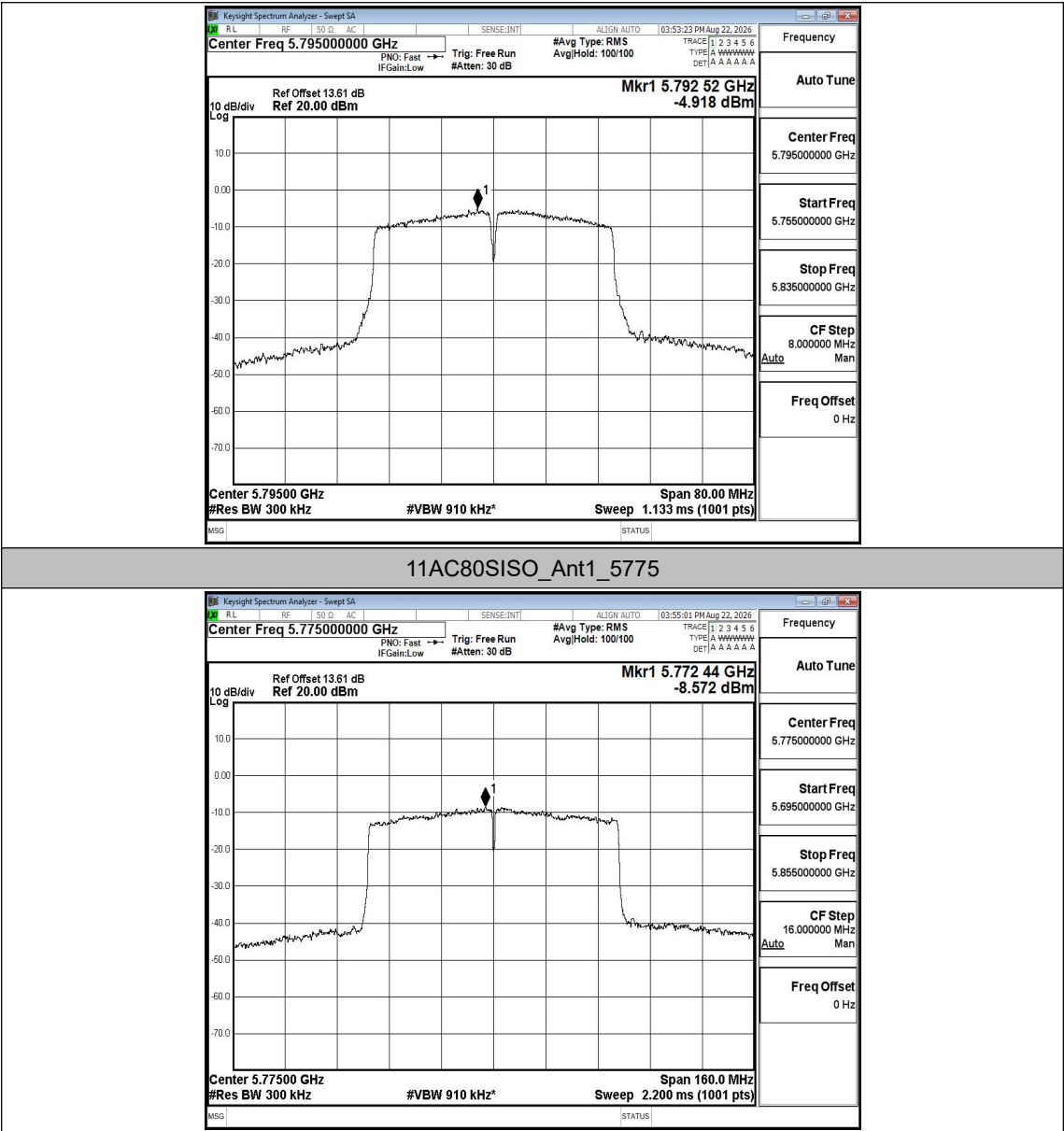












E.4 Emissions in Restricted Bands

Test Result

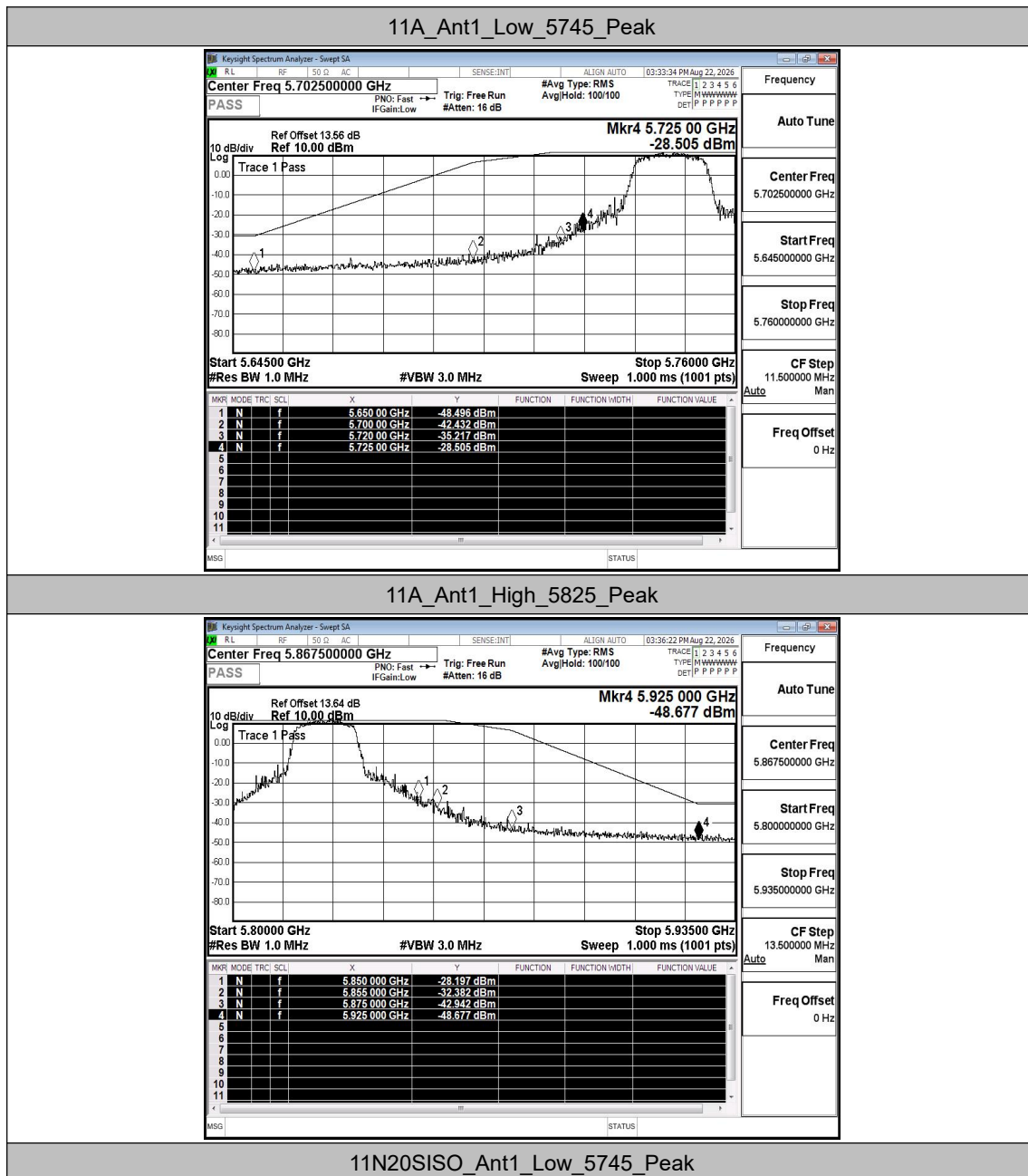
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-48.496	≤-30.71	3.71	PASS
				Peak	5700.000	-42.43	≤6.29	3.71	PASS
				Peak	5720.000	-35.22	≤11.89	3.71	PASS
				Peak	5725.000	-28.51	≤23.29	3.71	PASS
		High	5825	Peak	5850.000	-28.197	≤23.29	3.71	PASS
				Peak	5855.000	-32.38	≤11.89	3.71	PASS
				Peak	5875.000	-42.94	≤6.29	3.71	PASS
				Peak	5925.000	-48.68	≤-27.00	3.71	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-48.709	≤-30.71	3.71	PASS
				Peak	5700.000	-43.96	≤6.29	3.71	PASS
				Peak	5720.000	-31.02	≤11.89	3.71	PASS
				Peak	5725.000	-28.54	≤23.29	3.71	PASS
		High	5825	Peak	5850.000	-24.383	≤23.29	3.71	PASS
				Peak	5855.000	-29.8	≤11.89	3.71	PASS
				Peak	5875.000	-40.19	≤6.29	3.71	PASS
				Peak	5925.000	-49.42	≤-27.00	3.71	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-48.762	≤-30.71	3.71	PASS
				Peak	5700.000	-39.86	≤6.29	3.71	PASS
				Peak	5720.000	-27.32	≤11.89	3.71	PASS
				Peak	5725.000	-16.8	≤23.29	3.71	PASS
		High	5795	Peak	5850.000	-34.498	≤23.29	3.71	PASS
				Peak	5855.000	-36.92	≤11.89	3.71	PASS
				Peak	5875.000	-39.56	≤6.29	3.71	PASS
				Peak	5925.000	-46.28	≤-27.00	3.71	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-49.874	≤-30.71	3.71	PASS
				Peak	5700.000	-44.04	≤6.29	3.71	PASS
				Peak	5720.000	-34.07	≤11.89	3.71	PASS
				Peak	5725.000	-25.73	≤23.29	3.71	PASS
		High	5825	Peak	5850.000	-27.534	≤23.29	3.71	PASS
				Peak	5855.000	-33.3	≤11.89	3.71	PASS
				Peak	5875.000	-43.62	≤6.29	3.71	PASS
				Peak	5925.000	-47.58	≤-27.00	3.71	PASS
11AC40SISO	Ant1	Low	5755	Peak	5650.000	-48.202	≤-30.71	3.71	PASS
				Peak	5700.000	-38.77	≤6.29	3.71	PASS
				Peak	5720.000	-27.44	≤11.89	3.71	PASS
				Peak	5725.000	-25.8	≤23.29	3.71	PASS

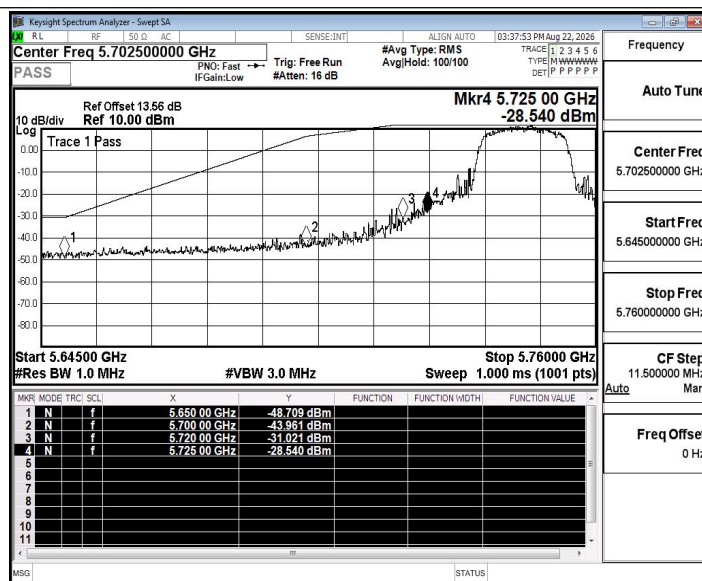
11AC80SISO	Ant1	High	5795	Peak	5850.000	-38.096	≤23.29	3.71	PASS
				Peak	5855.000	-38.85	≤11.89	3.71	PASS
				Peak	5875.000	-43.95	≤6.29	3.71	PASS
				Peak	5925.000	-49.25	≤-27.00	3.71	PASS
		Low	5775	Peak	5650.000	-46.072	≤-30.71	3.71	PASS
				Peak	5700.000	-30.42	≤6.29	3.71	PASS
				Peak	5720.000	-27.53	≤11.89	3.71	PASS
				Peak	5725.000	-25.37	≤23.29	3.71	PASS
		High	5775	Peak	5850.000	-28.298	≤23.29	3.71	PASS
				Peak	5855.000	-30.26	≤11.89	3.71	PASS
				Peak	5875.000	-33.03	≤6.29	3.71	PASS
				Peak	5925.000	-41.42	≤-27.00	3.71	PASS

Note:

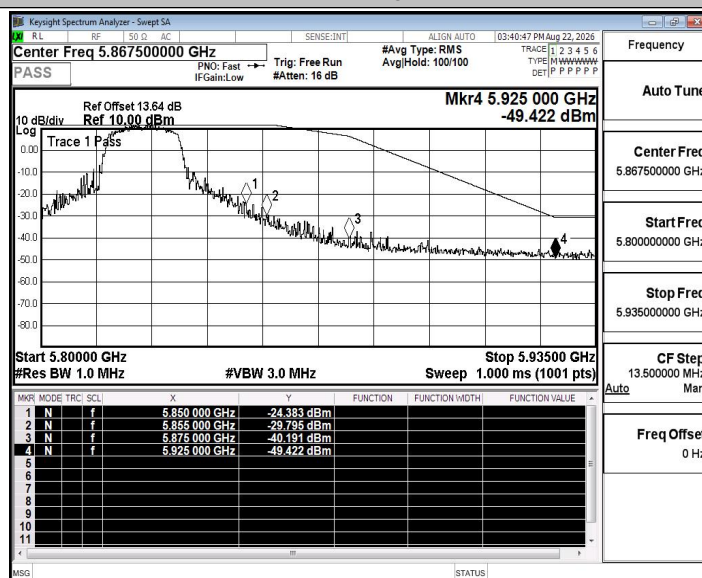
1. The Antenna Gain is compensated in the graph.

Test Graphs

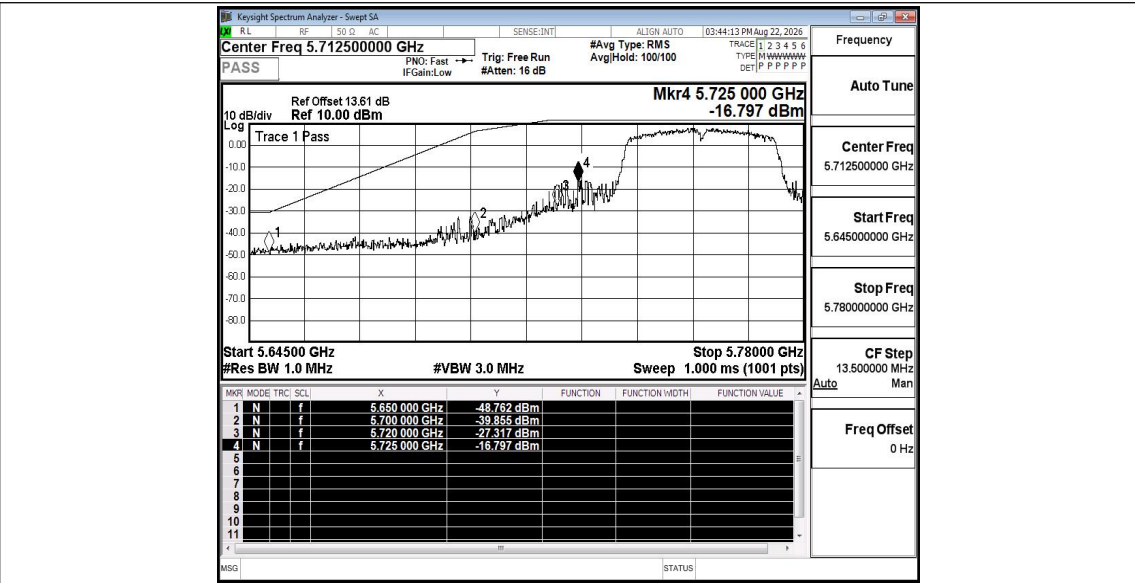




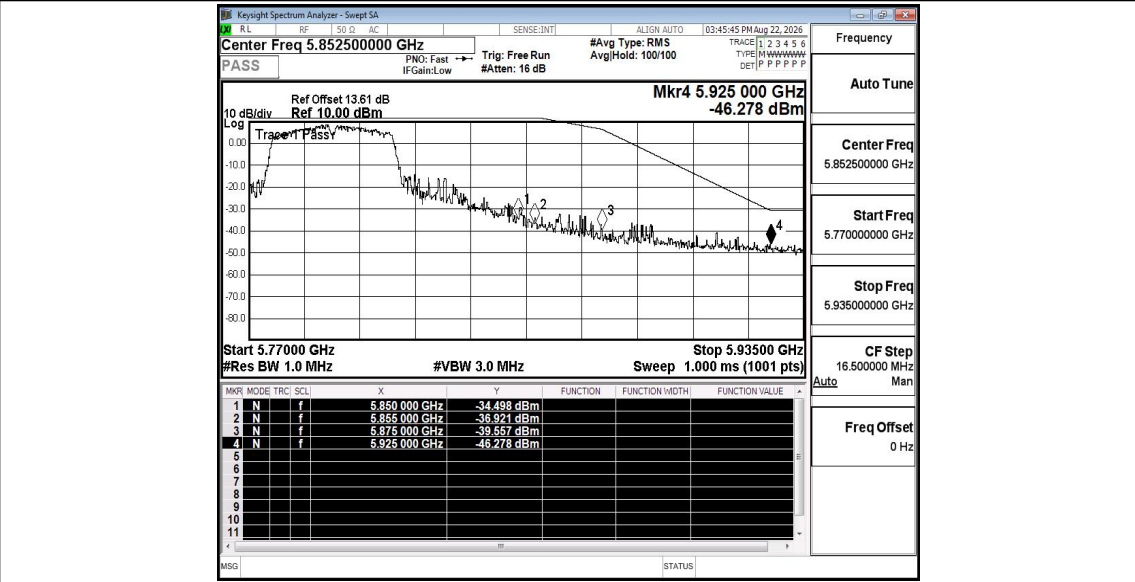
11N20SISO_Ant1_High_5825_Peak



11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak

