

Appendix G

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: Projector

Test Model: T7

Environmental Conditions

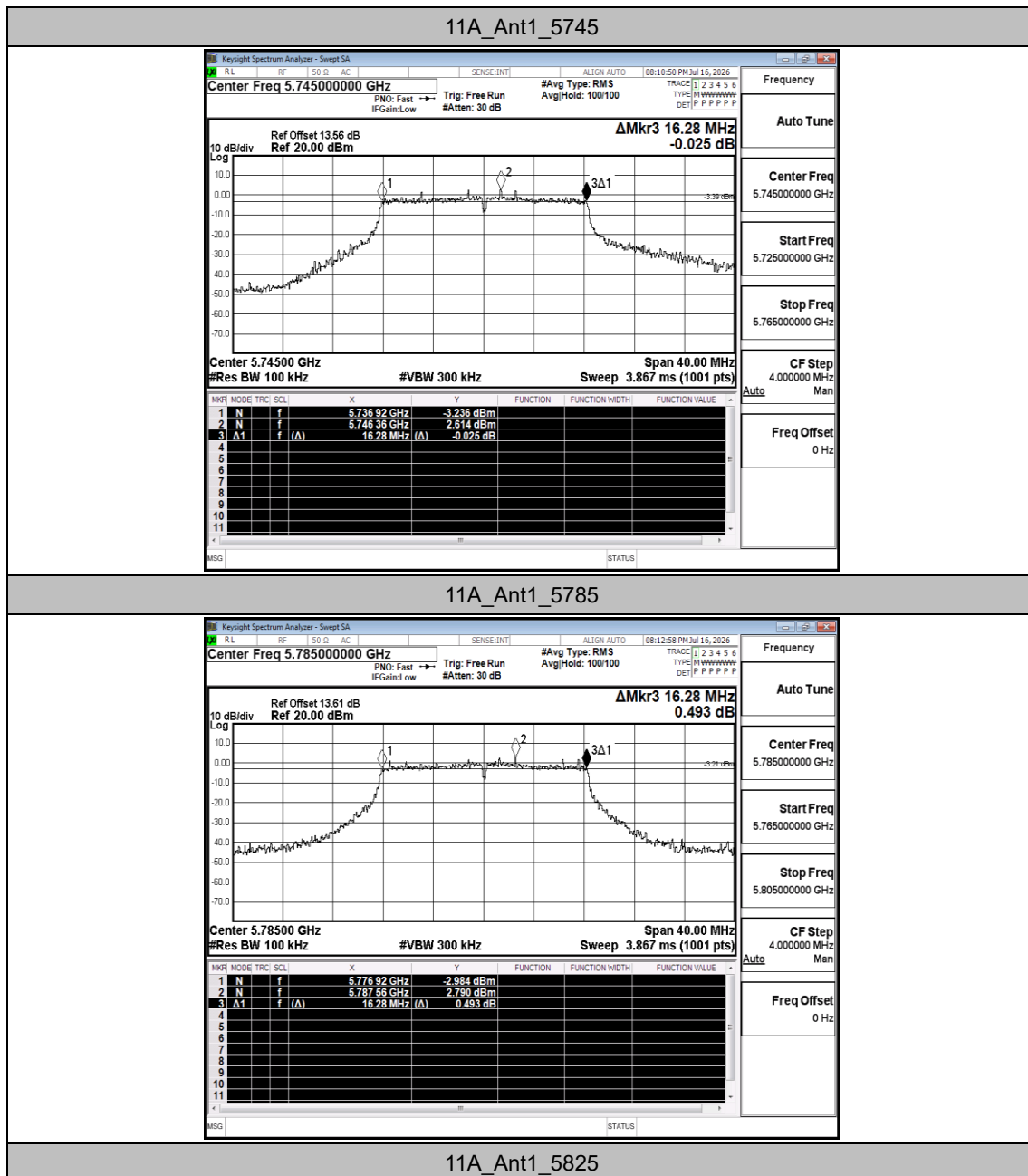
Temperature:	24.3°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

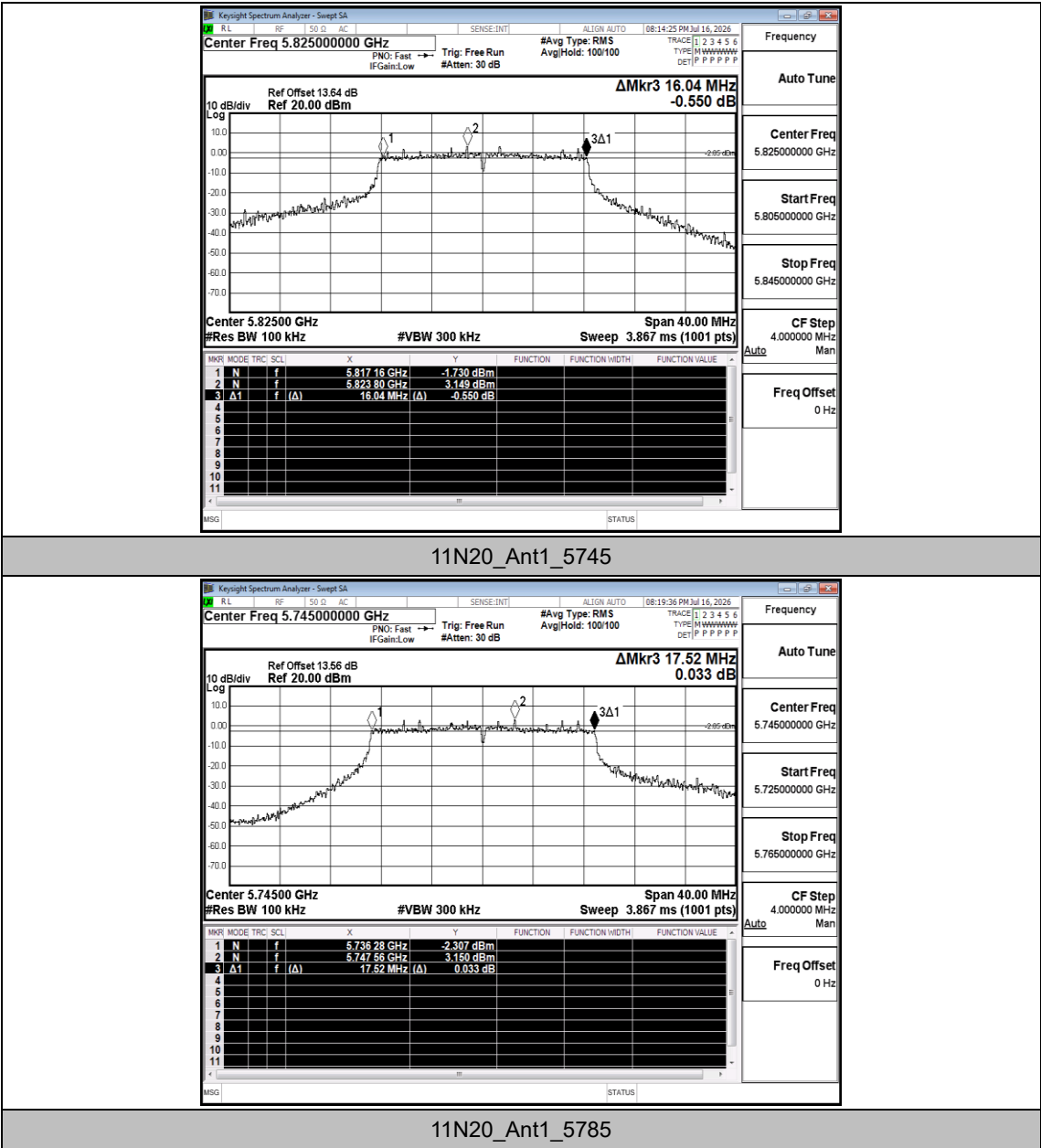
G.1 Min emission bandwidth

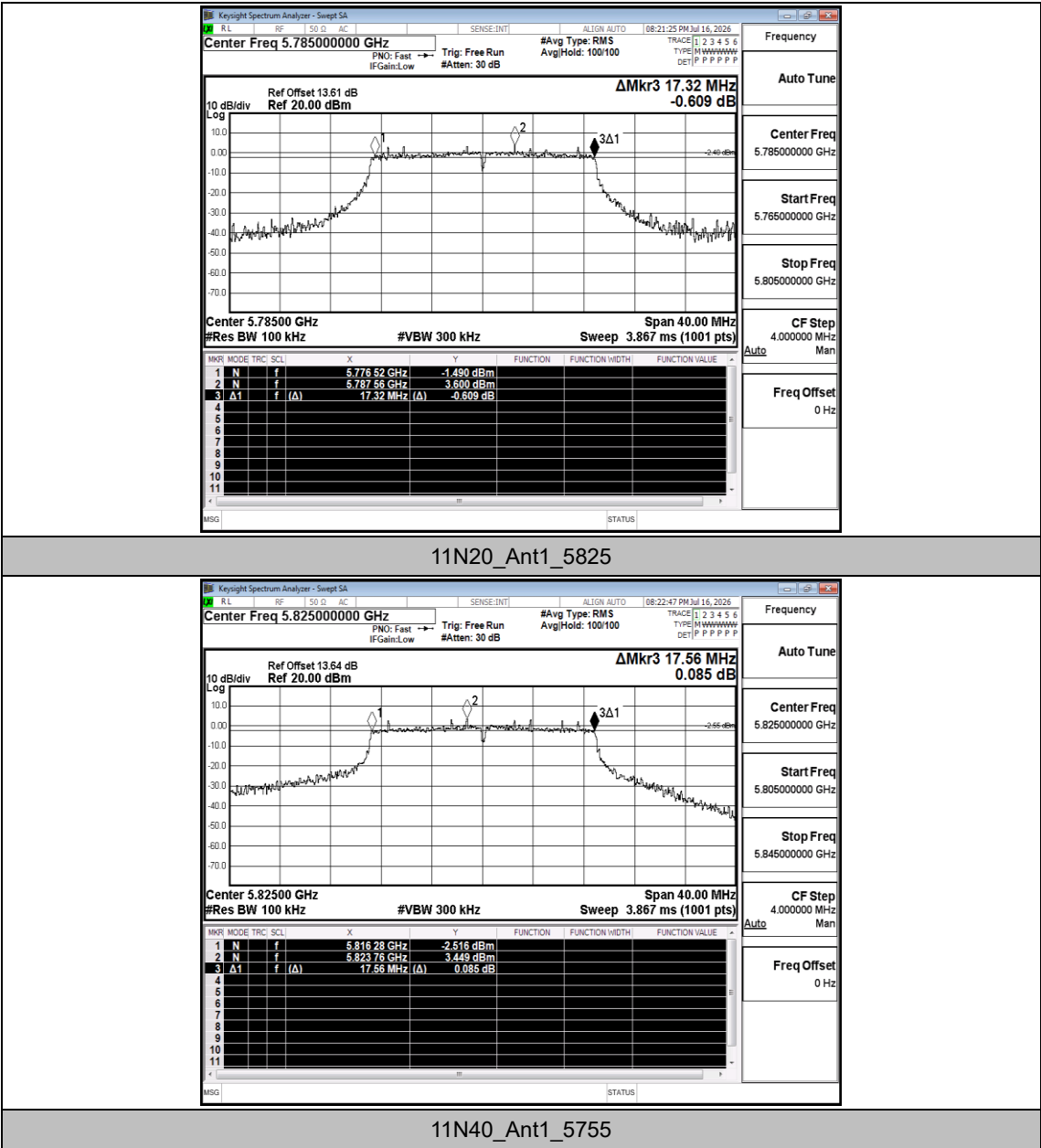
Test Result B4

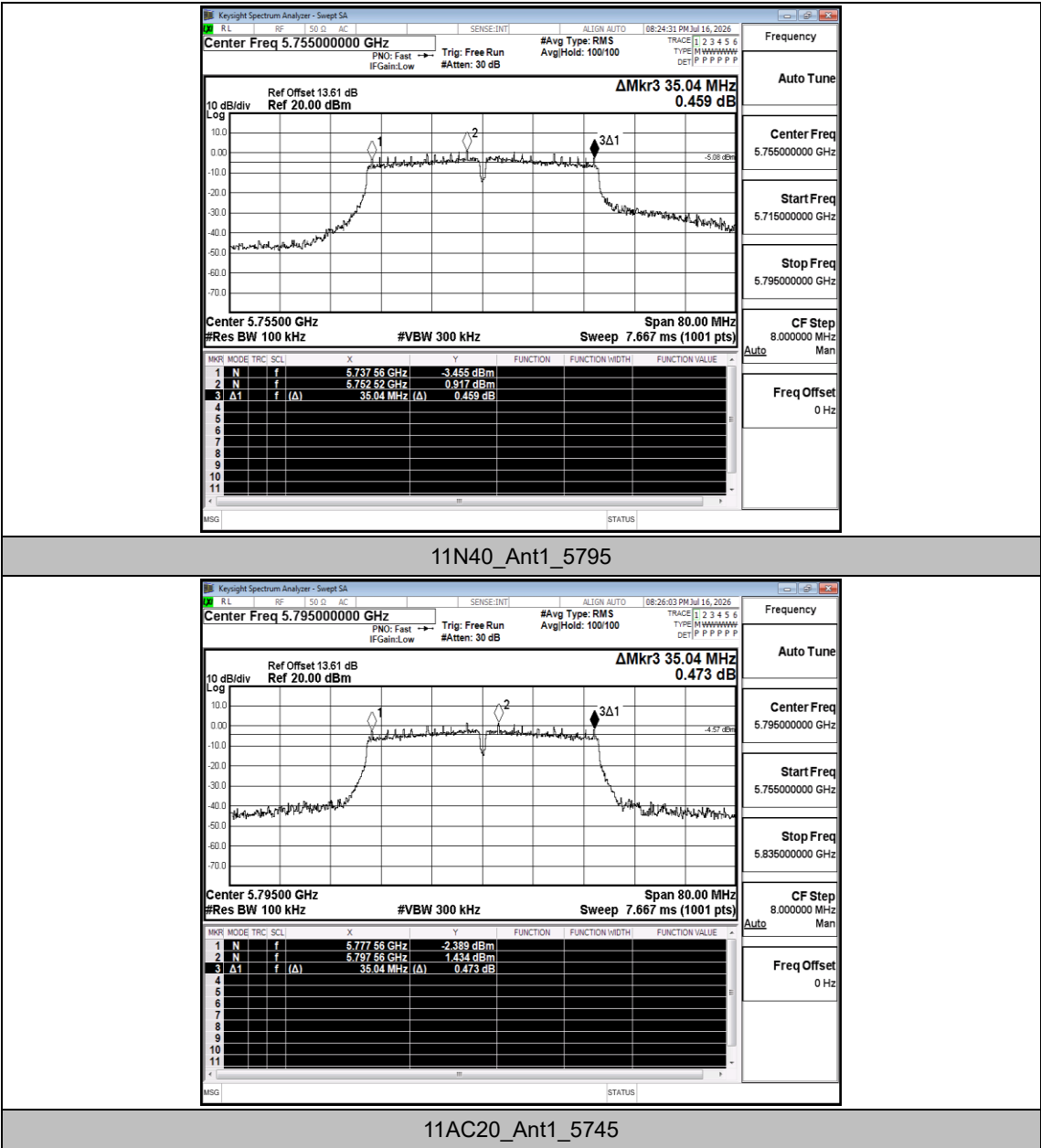
TestMode	Antenna	Freq (MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.280	5736.920	5753.200	0.5	PASS
		5785	16.280	5776.920	5793.200	0.5	PASS
		5825	16.040	5817.160	5833.200	0.5	PASS
11N20	Ant1	5745	17.520	5736.280	5753.800	0.5	PASS
		5785	17.320	5776.520	5793.840	0.5	PASS
		5825	17.560	5816.280	5833.840	0.5	PASS
11N40	Ant1	5755	35.040	5737.560	5772.600	0.5	PASS
		5795	35.040	5777.560	5812.600	0.5	PASS
11AC20	Ant1	5745	17.520	5736.280	5753.800	0.5	PASS
		5785	17.560	5776.280	5793.840	0.5	PASS
		5825	16.080	5817.480	5833.560	0.5	PASS
11AC40	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS
11AX20	Ant1	5745	18.280	5735.800	5754.080	0.5	PASS
		5785	18.640	5775.680	5794.320	0.5	PASS
		5825	18.200	5815.760	5833.960	0.5	PASS
11AX40	Ant1	5755	35.040	5737.560	5772.600	0.5	PASS
		5795	35.200	5777.560	5812.760	0.5	PASS
11AX80	Ant1	5775	75.200	5737.560	5812.760	0.5	PASS

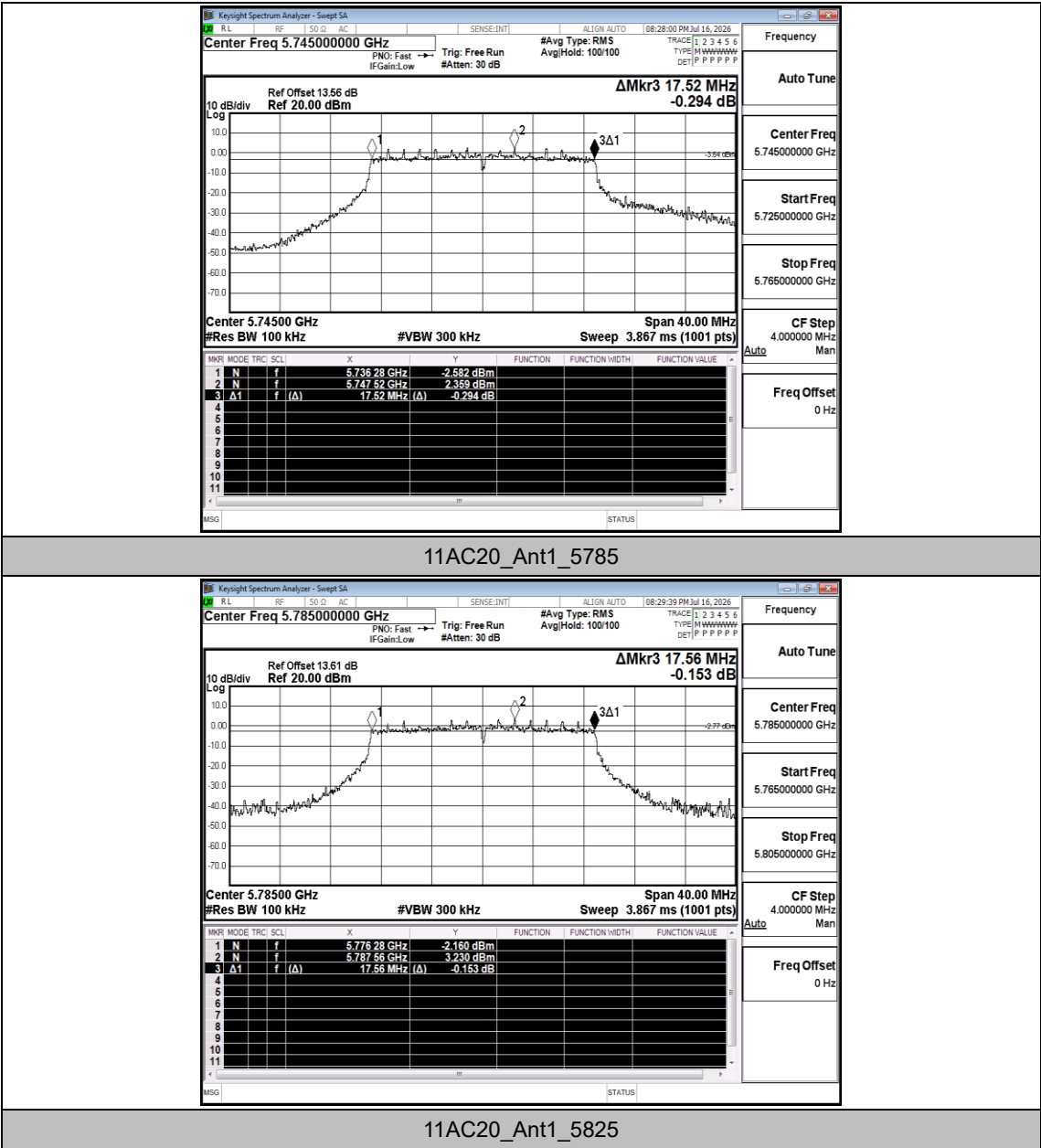
Test Graphs B4

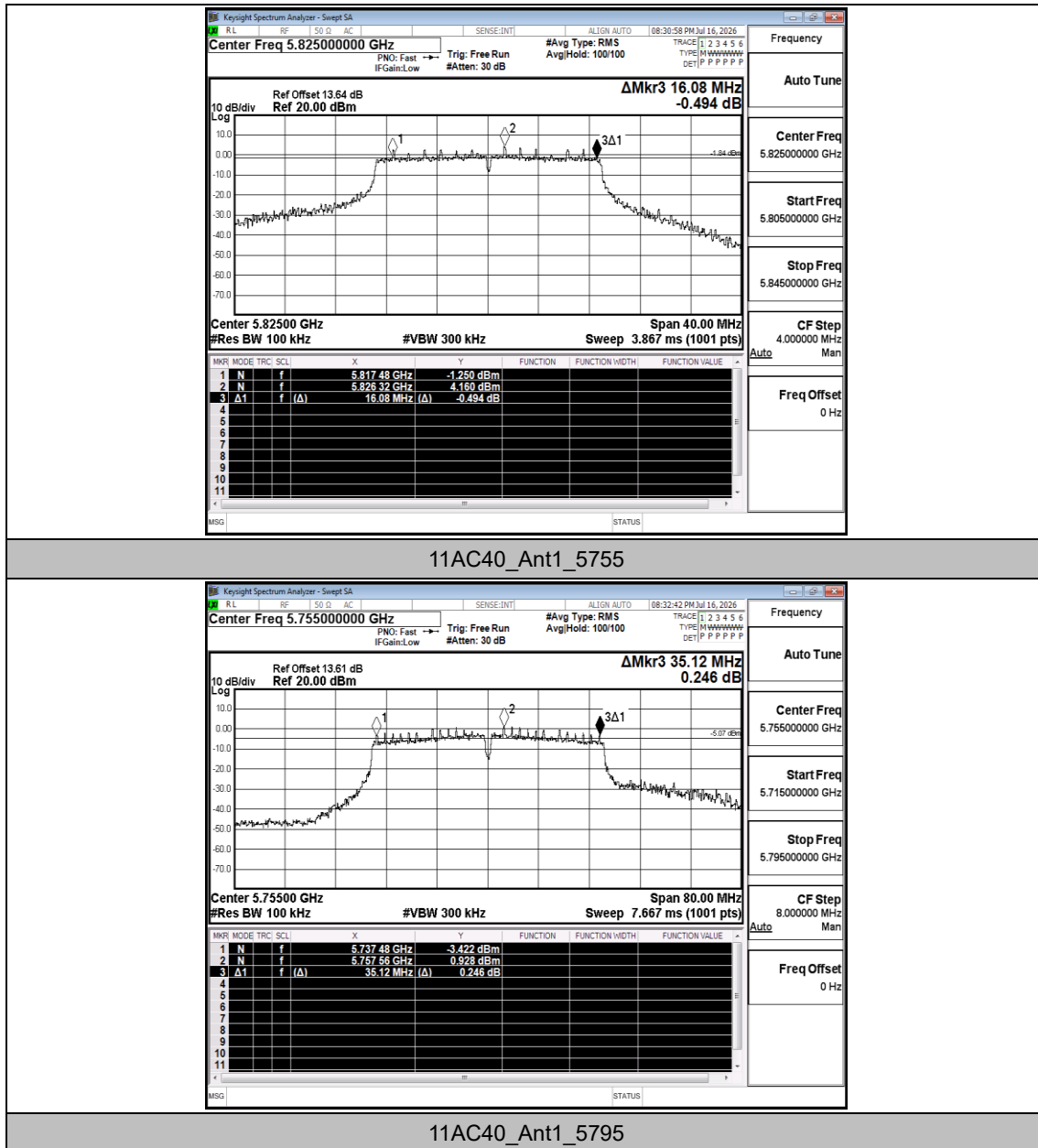


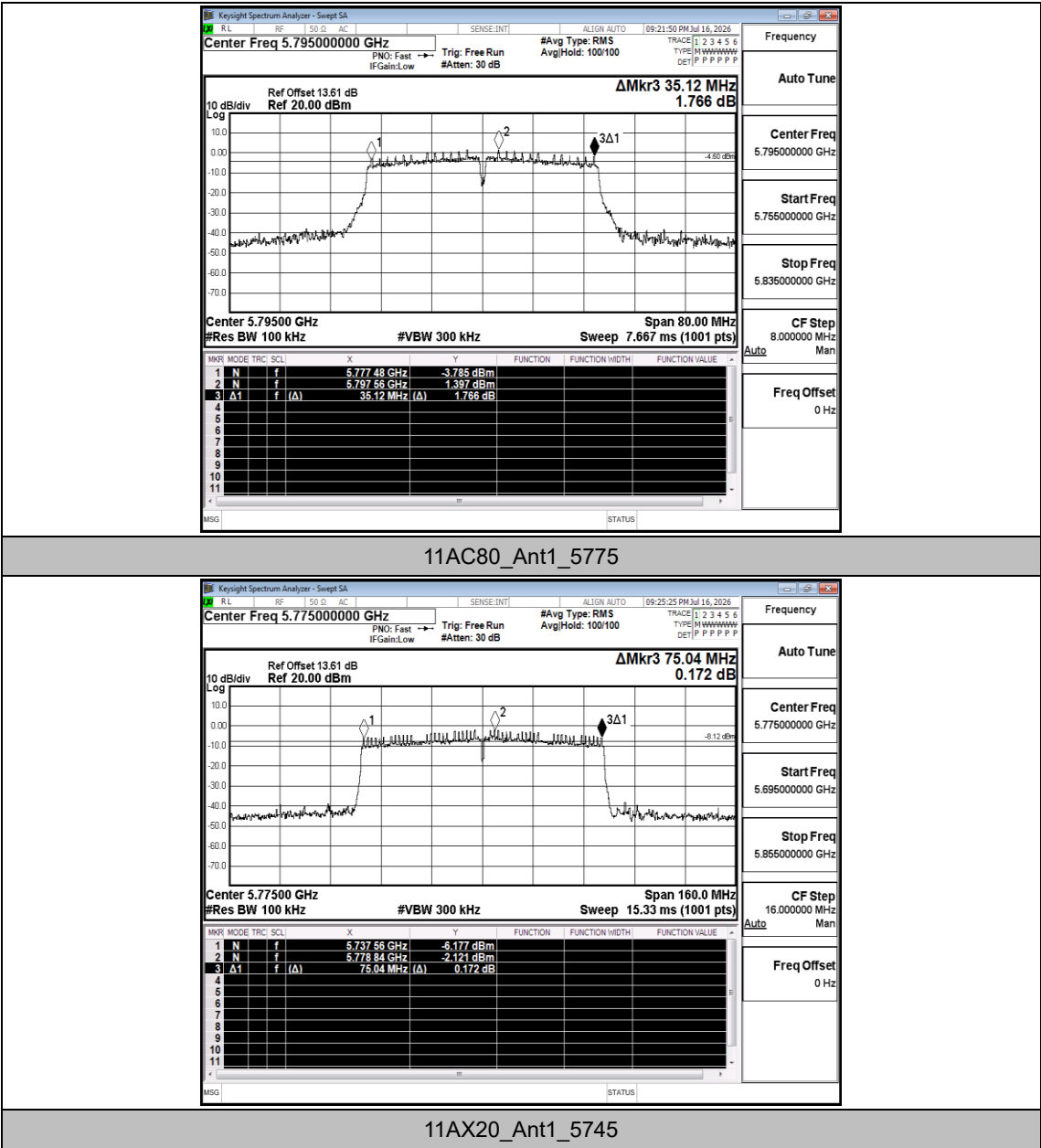


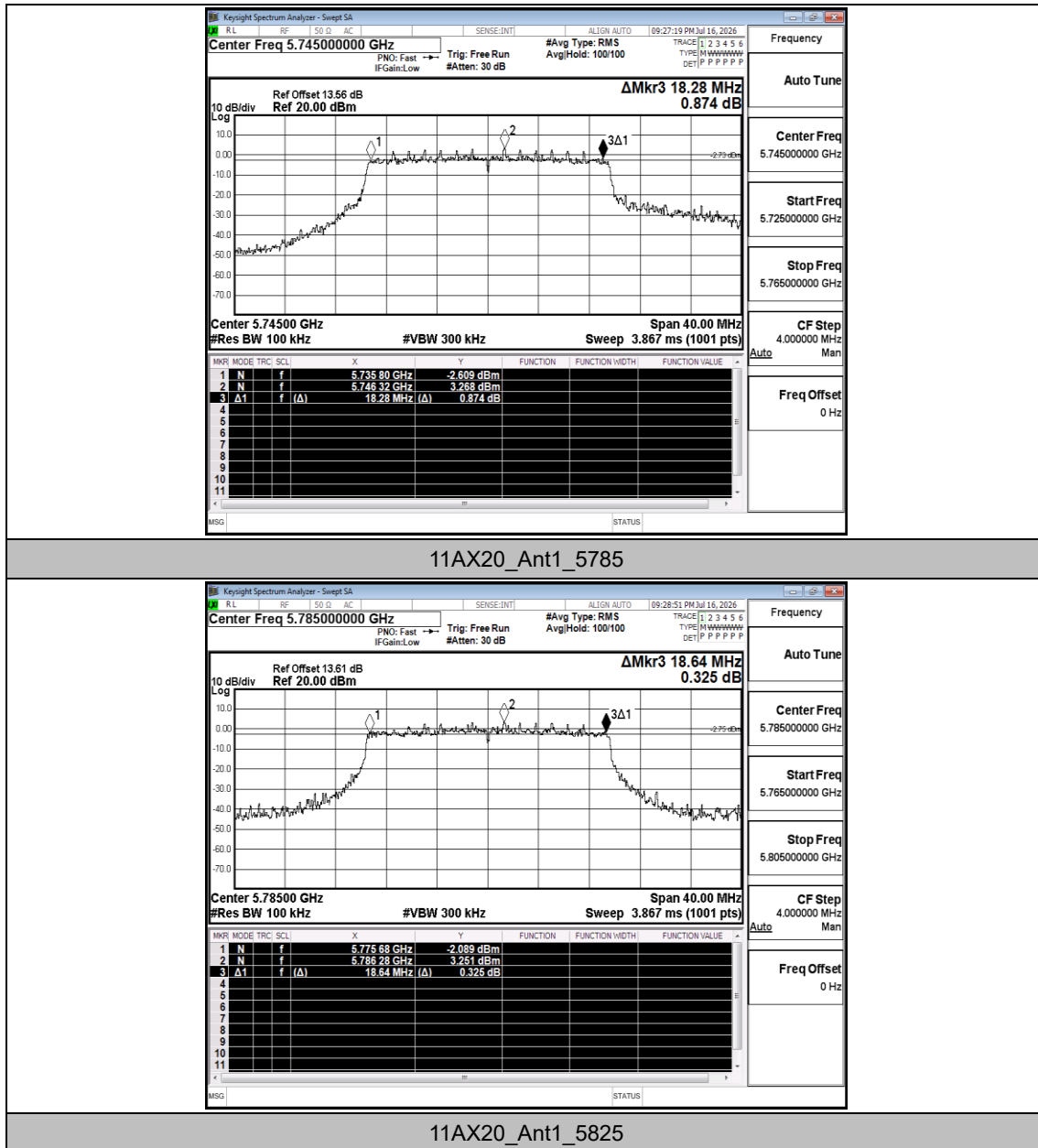


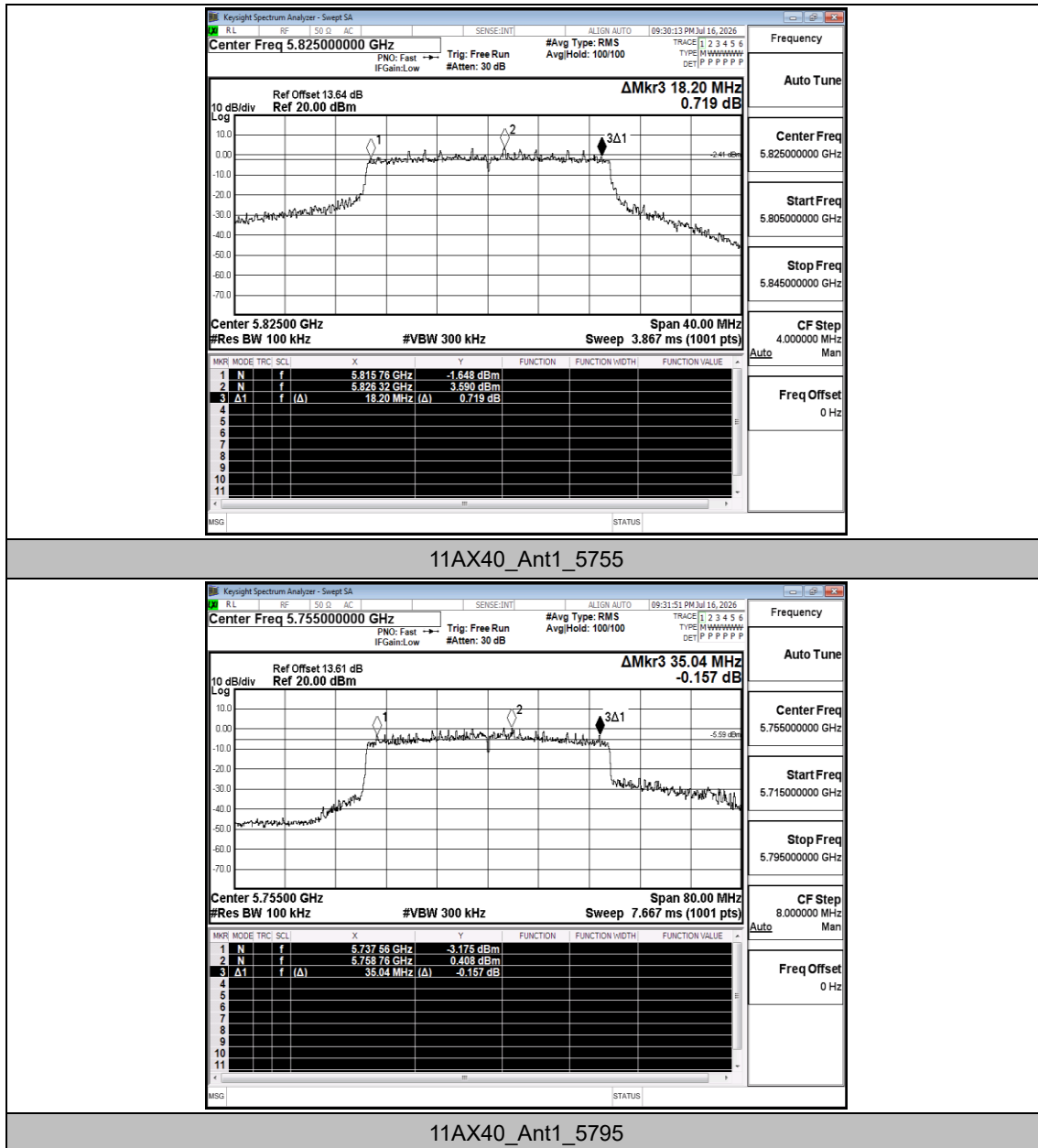


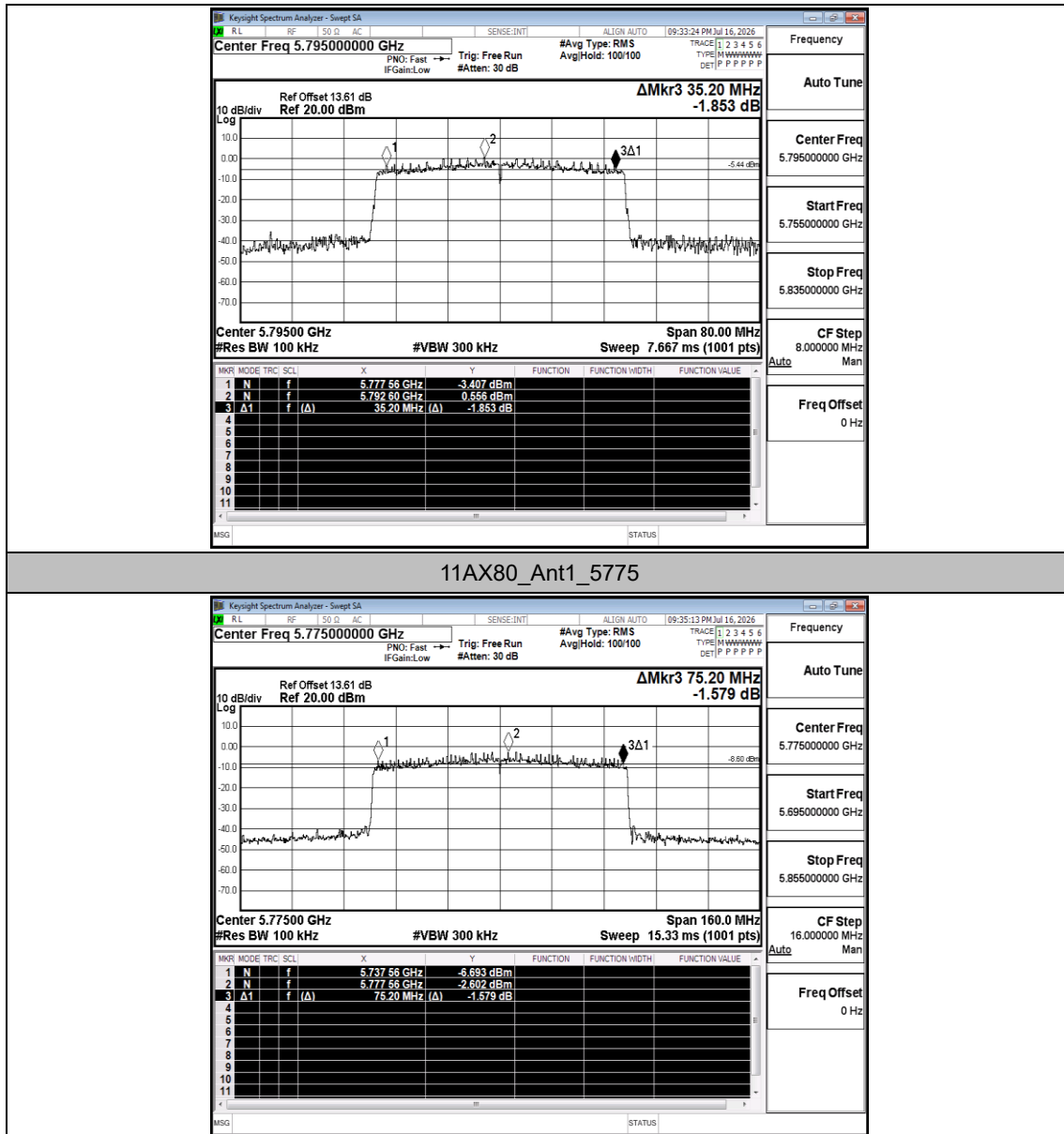












G.2 Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	NA	14.93	0.18	15.11	≤30.00	PASS
		5785	NA	15.23	0.18	15.41	≤30.00	PASS
		5825	NA	15.16	0.18	15.34	≤30.00	PASS
11N20	Ant1	5745	NA	15.78	0.19	15.97	≤30.00	PASS
		5785	NA	16.28	0.16	16.44	≤30.00	PASS
		5825	NA	15.54	0.16	15.70	≤30.00	PASS
11N40	Ant1	5755	NA	15.38	0.38	15.76	≤30.00	PASS
		5795	NA	15.61	0.38	15.99	≤30.00	PASS
11AC20	Ant1	5745	NA	15.18	0.51	15.69	≤30.00	PASS
		5785	NA	15.46	0.51	15.97	≤30.00	PASS
		5825	NA	15.37	0.43	15.80	≤30.00	PASS
11AC40	Ant1	5755	NA	14.91	0.90	15.81	≤30.00	PASS
		5795	NA	15.08	0.90	15.98	≤30.00	PASS
11AC80	Ant1	5775	NA	14.04	1.46	15.50	≤30.00	PASS
11AX20	Ant1	5745	NA	15.25	0.57	15.82	≤30.00	PASS
		5785	NA	15.56	0.48	16.04	≤30.00	PASS
		5825	NA	15.00	0.57	15.57	≤30.00	PASS
11AX40	Ant1	5755	NA	14.96	0.58	15.54	≤30.00	PASS
		5795	NA	15.16	0.58	15.74	≤30.00	PASS
11AX80	Ant1	5775	NA	14.71	0.50	15.21	≤30.00	PASS

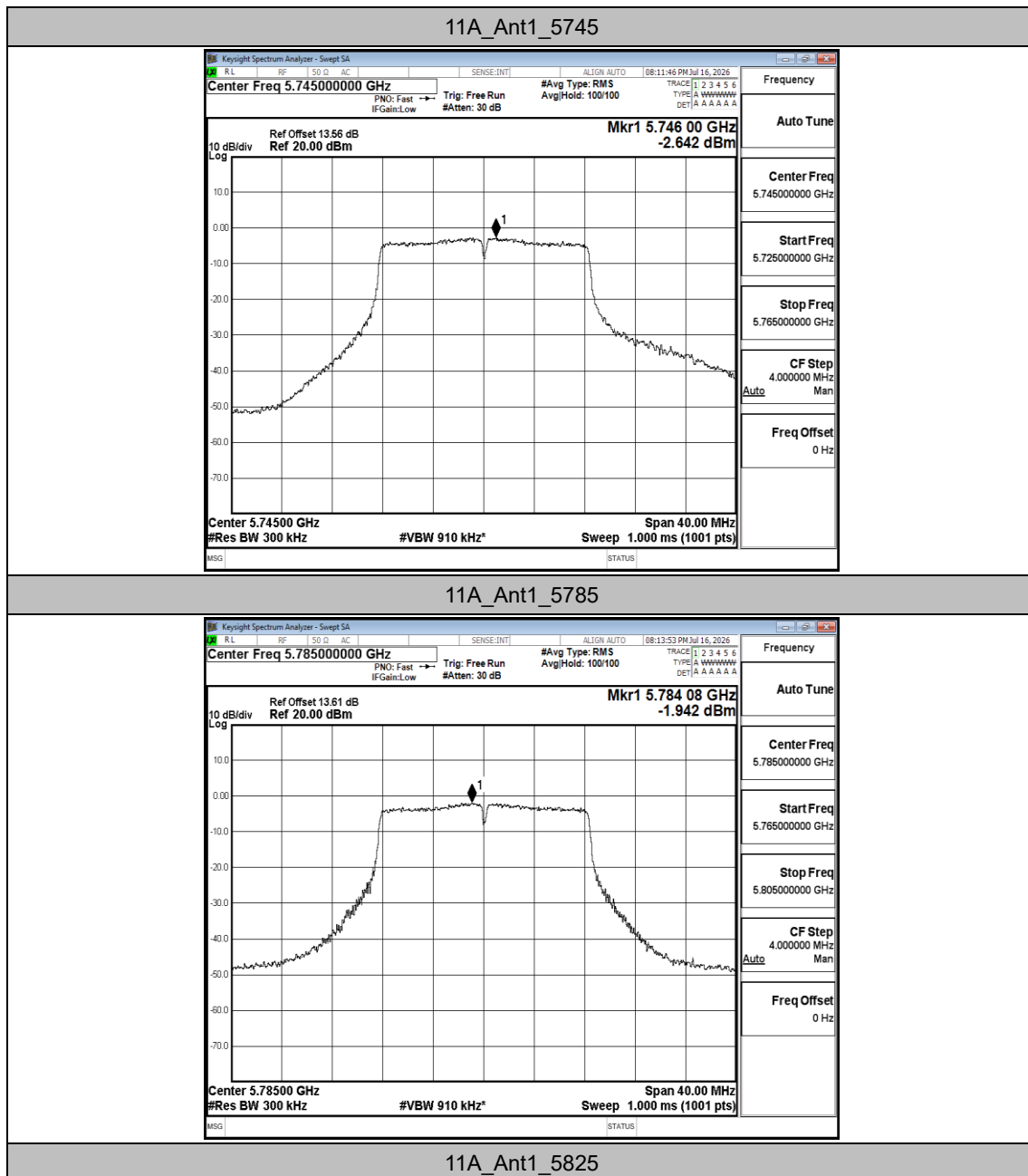
G.3 Maximum power spectral density

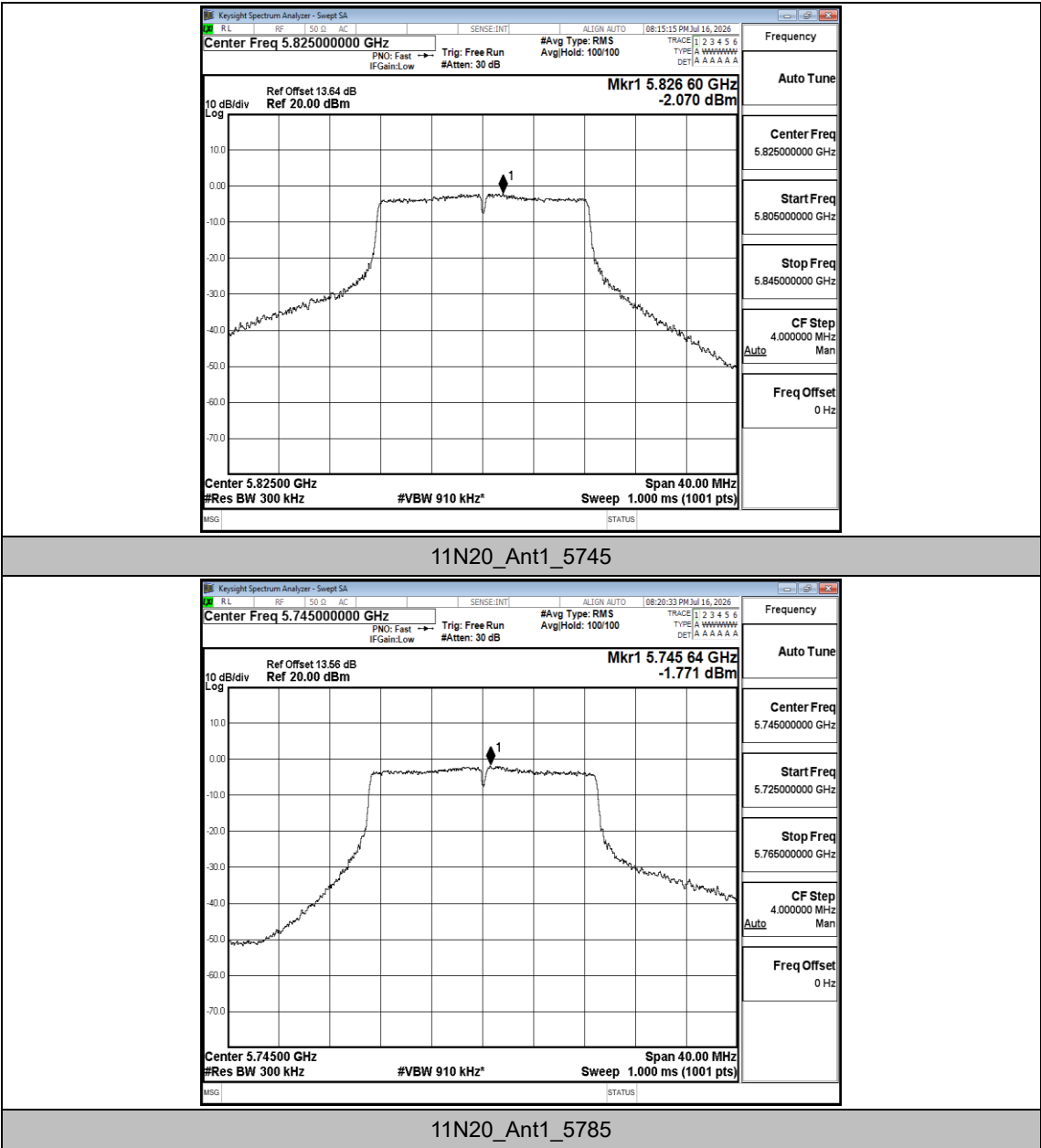
Test Result

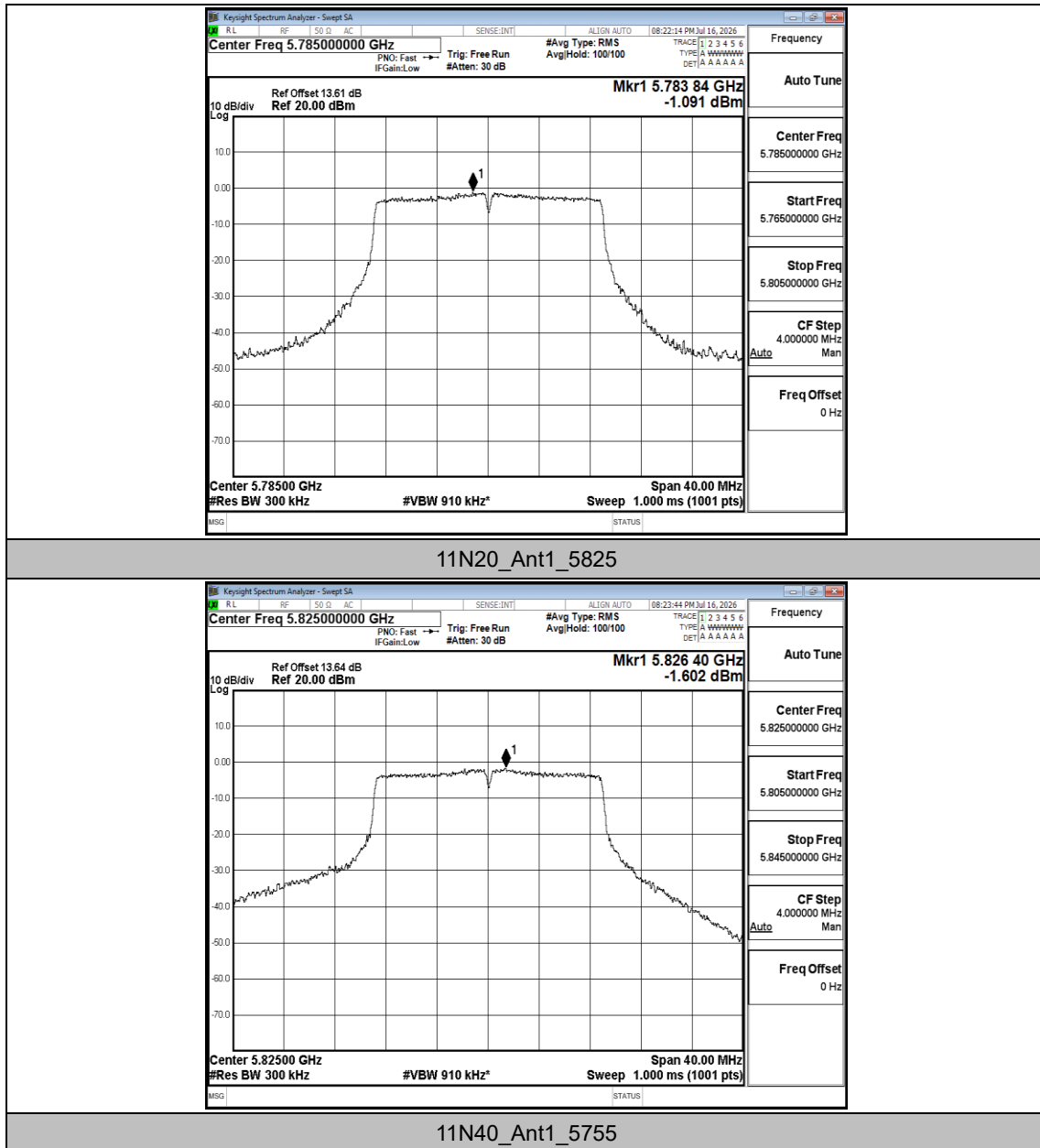
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	RBW Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5745	-2.64	0.18	2.22	-0.24	≤30.00	PASS
		5785	-1.94	0.18	2.22	0.46	≤30.00	PASS
		5825	-2.07	0.18	2.22	0.33	≤30.00	PASS
11N20	Ant1	5745	-1.77	0.19	2.22	0.64	≤30.00	PASS
		5785	-1.09	0.16	2.22	1.29	≤30.00	PASS
		5825	-1.6	0.16	2.22	0.78	≤30.00	PASS
11N40	Ant1	5755	-4.37	0.38	2.22	-1.77	≤30.00	PASS
		5795	-3.78	0.38	2.22	-1.18	≤30.00	PASS
11AC20	Ant1	5745	-2.72	0.51	2.22	0.01	≤30.00	PASS
		5785	-1.82	0.51	2.22	0.91	≤30.00	PASS
		5825	-1.77	0.43	2.22	0.88	≤30.00	PASS
11AC40	Ant1	5755	-4.86	0.90	2.22	-1.74	≤30.00	PASS
		5795	-4.07	0.90	2.22	-0.95	≤30.00	PASS
11AC80	Ant1	5775	-8.03	1.46	2.22	-4.35	≤30.00	PASS
11AX20	Ant1	5745	-2.31	0.57	2.22	0.48	≤30.00	PASS
		5785	-2.12	0.48	2.22	0.58	≤30.00	PASS
		5825	-2.58	0.57	2.22	0.21	≤30.00	PASS
11AX40	Ant1	5755	-4.37	0.58	2.22	-1.57	≤30.00	PASS
		5795	-4.87	0.58	2.22	-2.07	≤30.00	PASS
11AX80	Ant1	5775	-8.21	0.50	2.22	-5.49	≤30.00	PASS

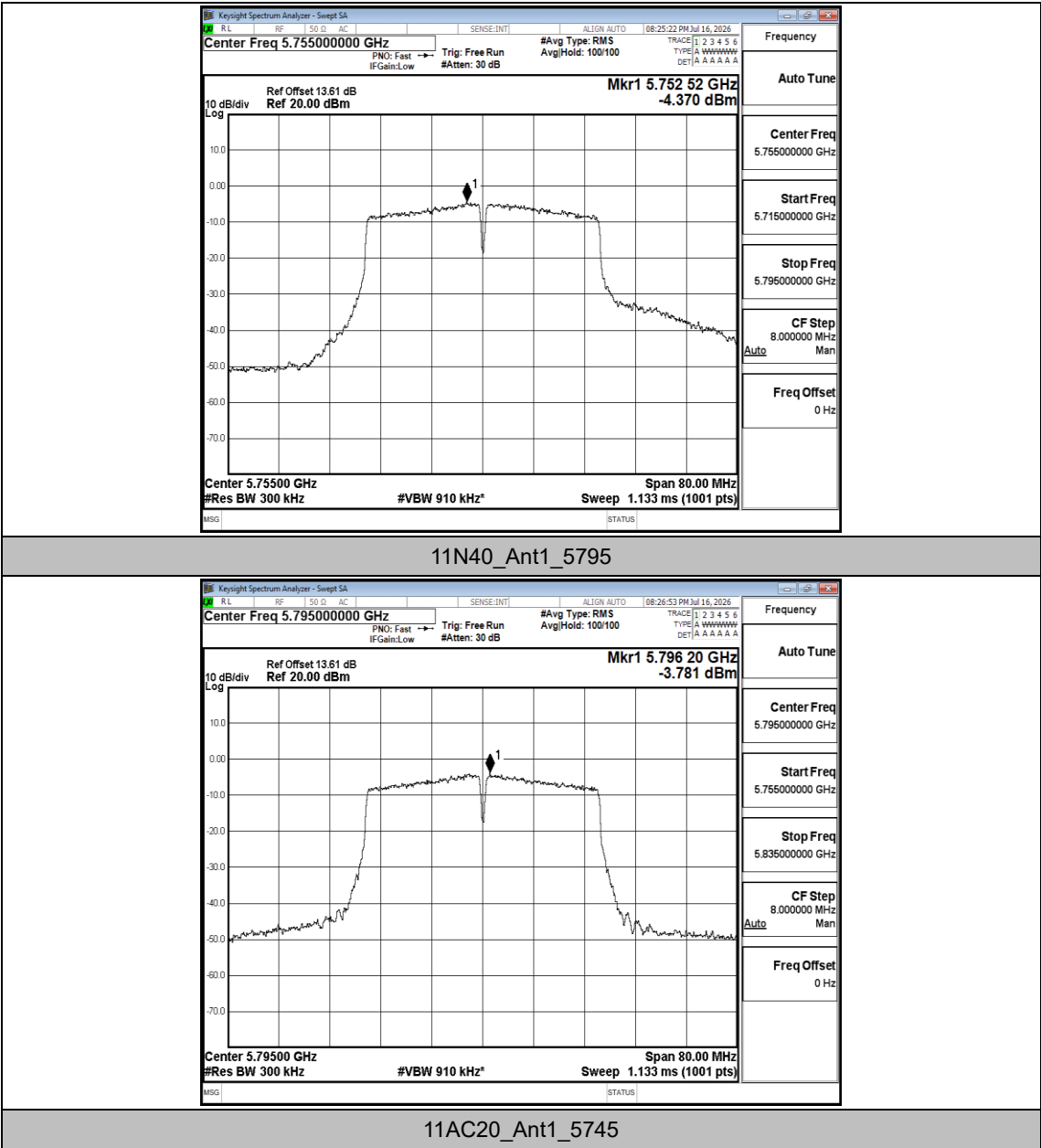
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

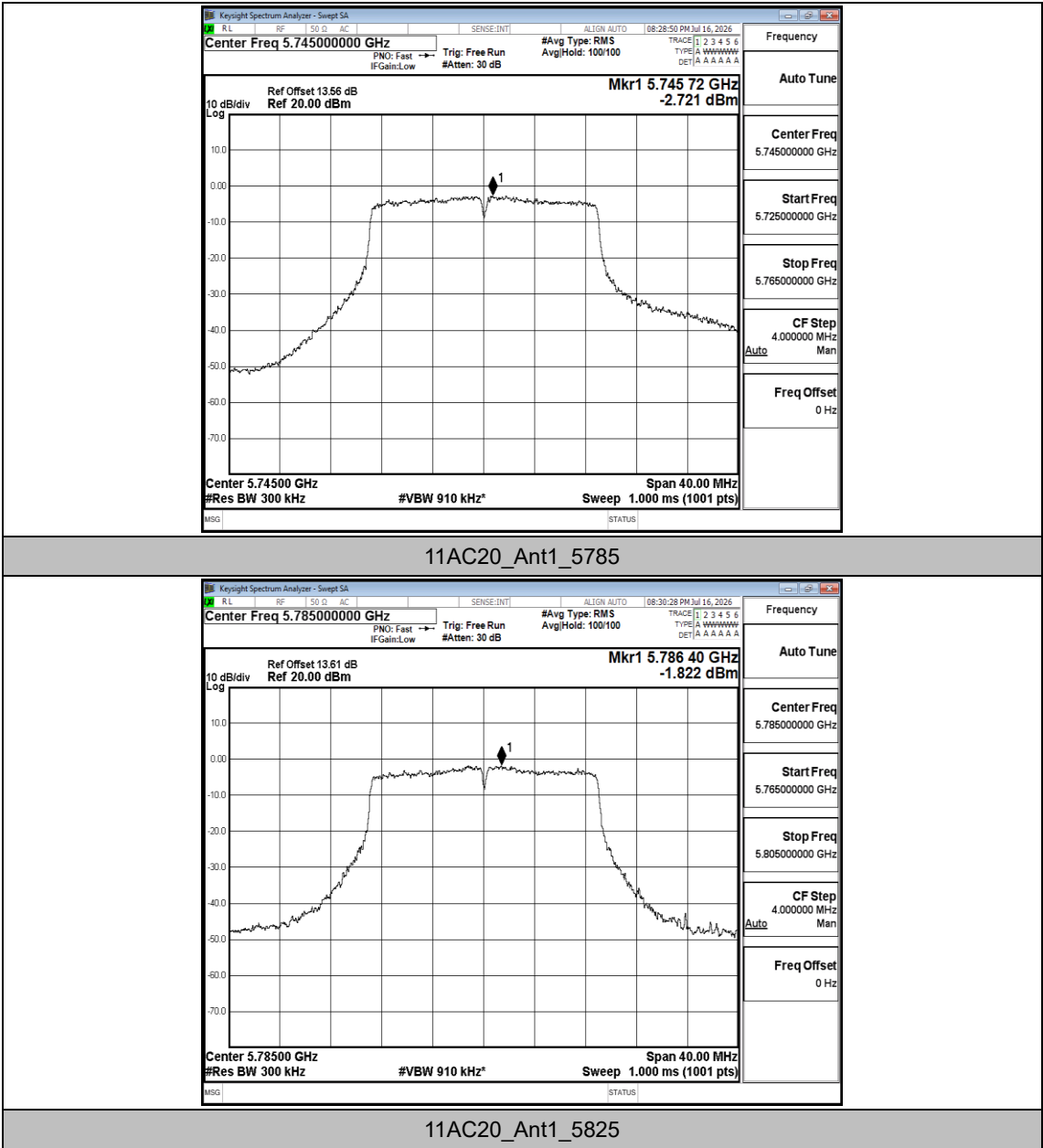
Test Graphs

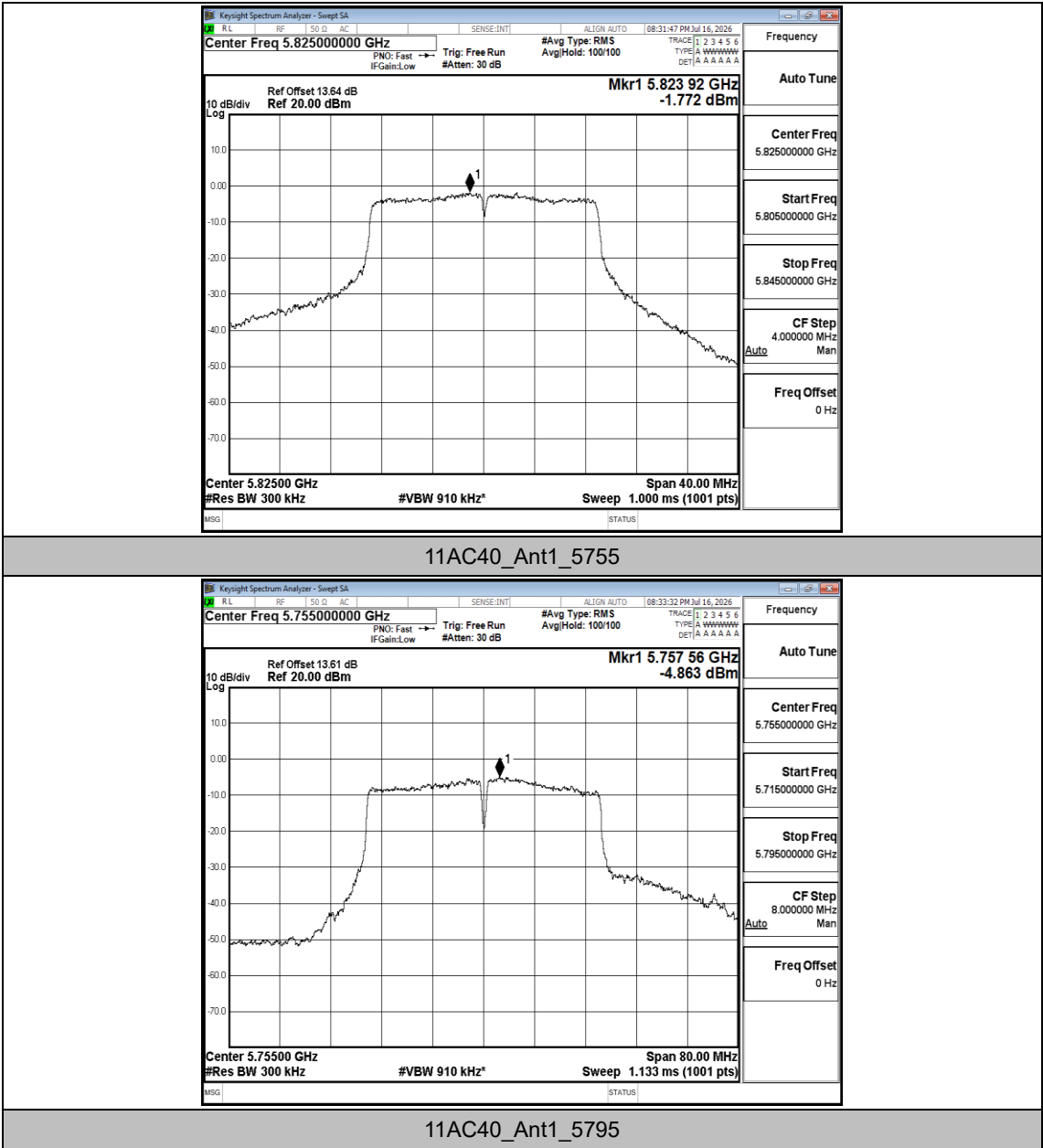


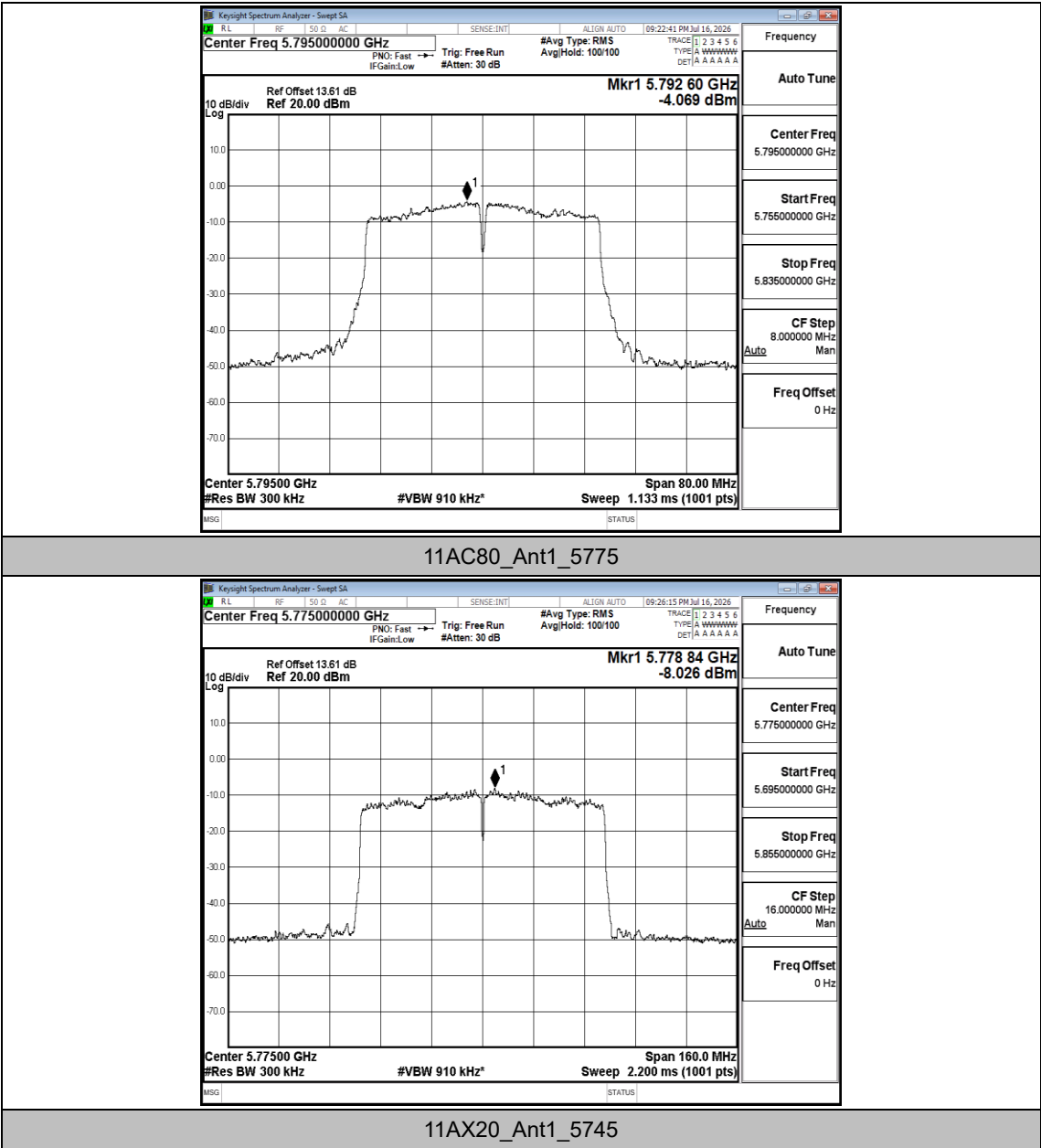


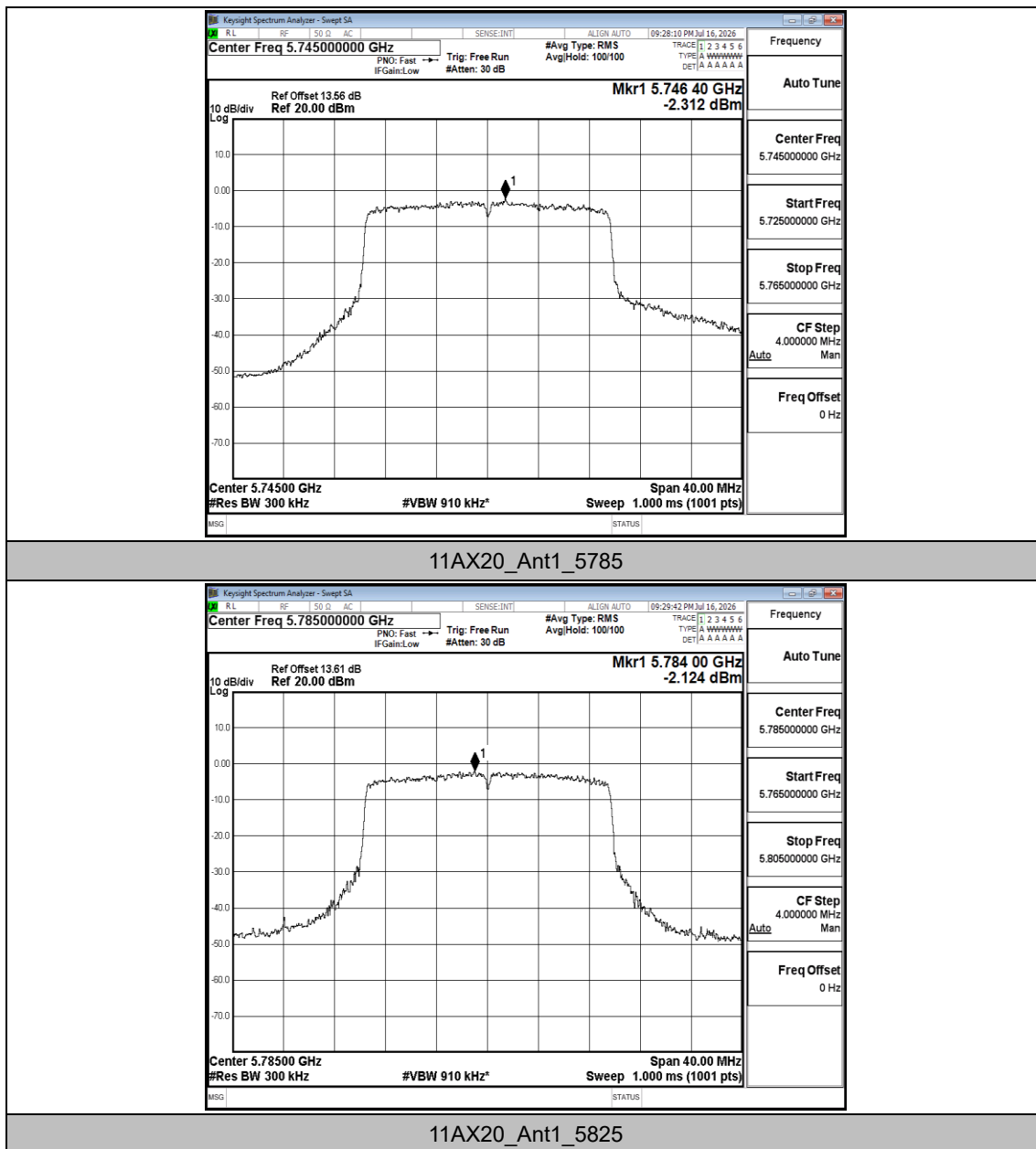


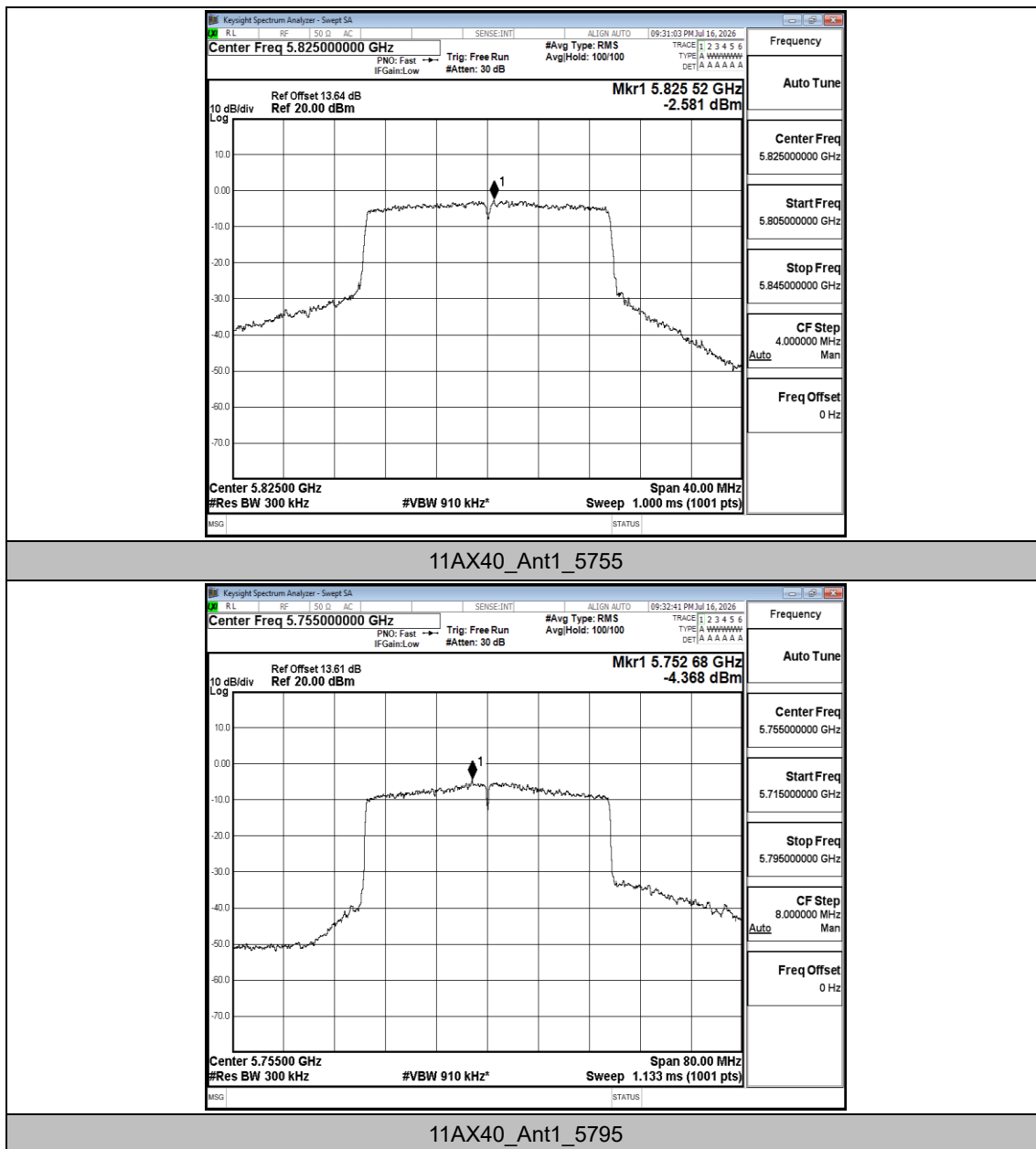


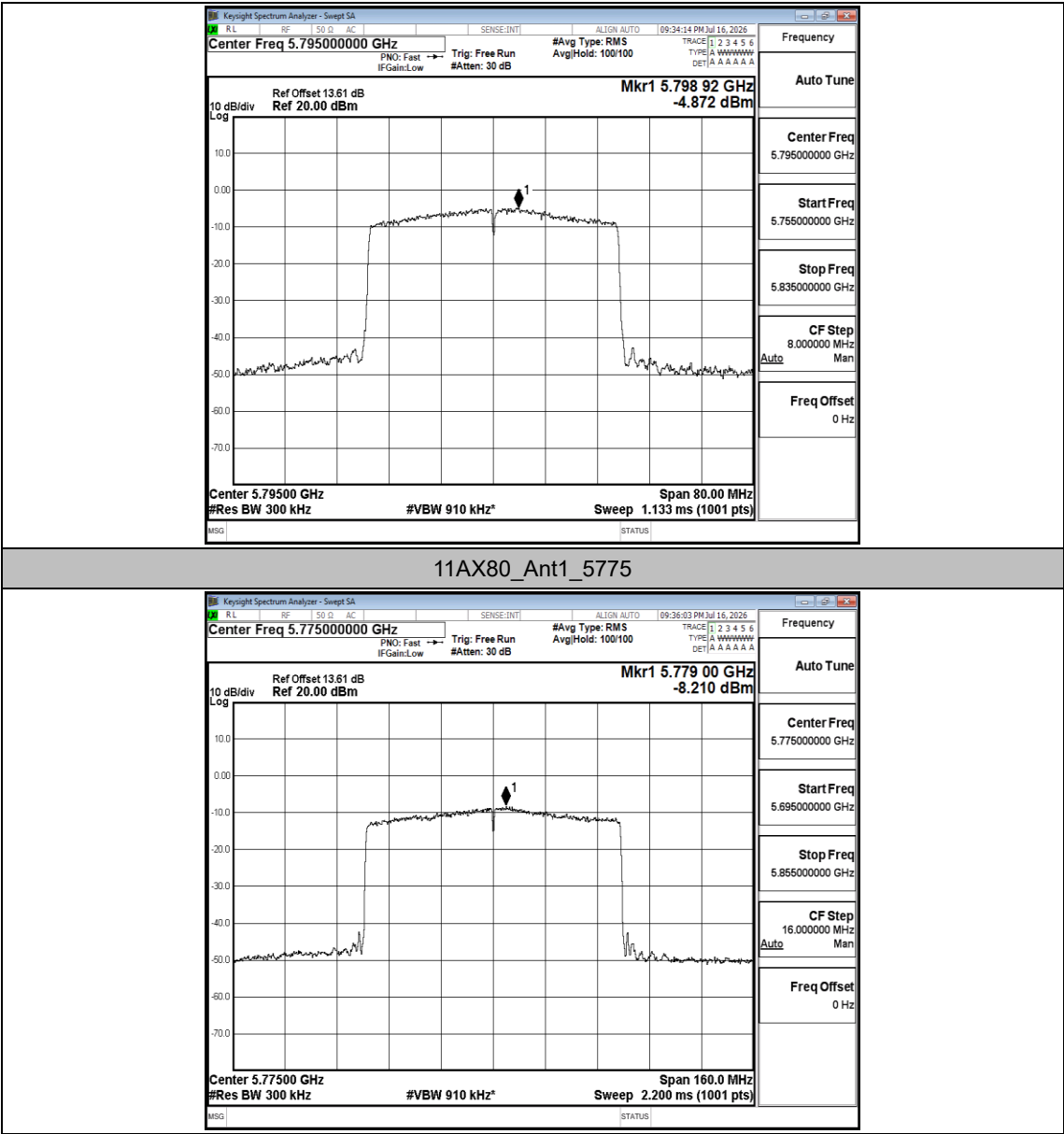












G.4 Emissions in Restricted Bands

Test Result

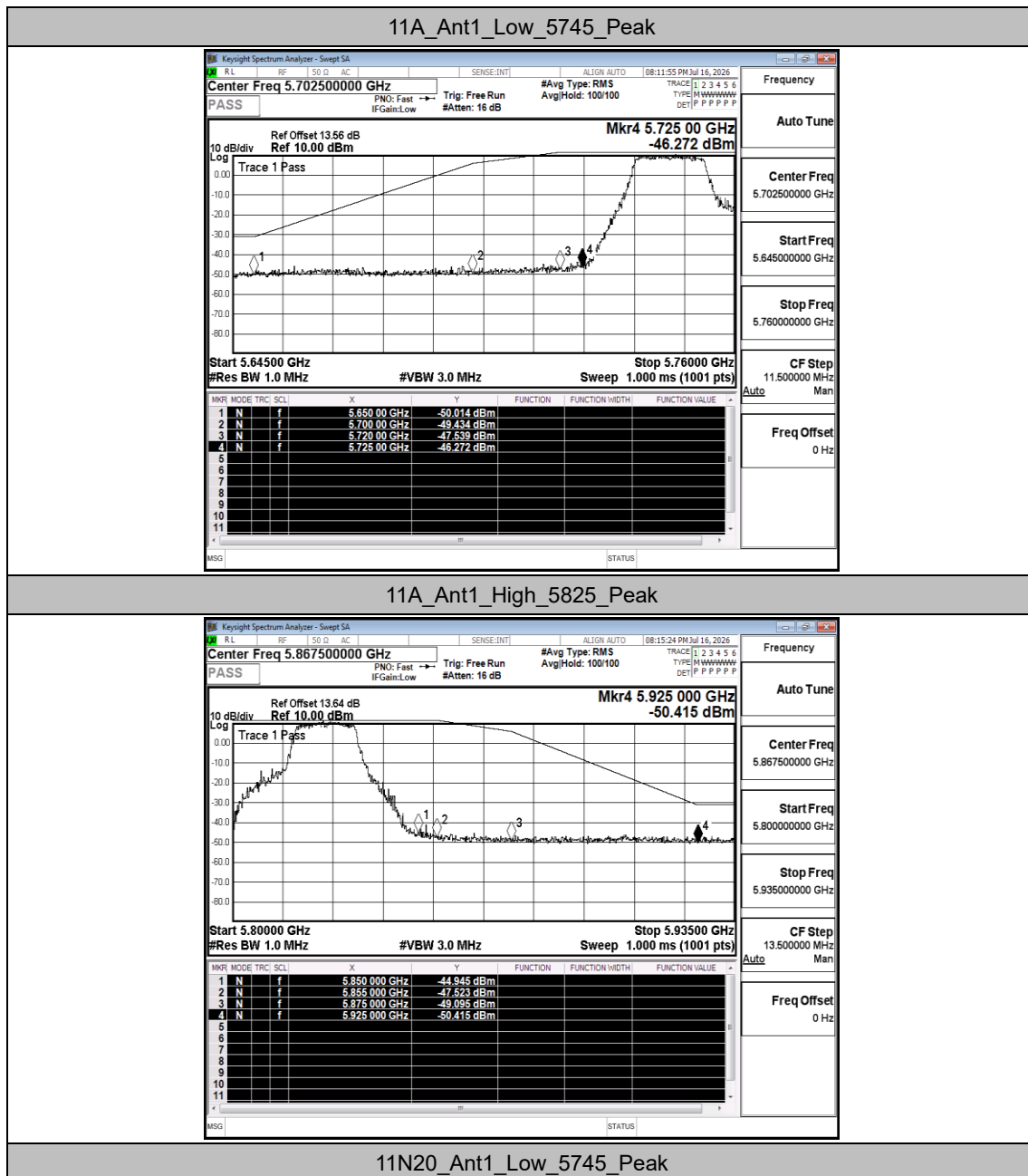
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-50.014	≤-31.18	4.45	PASS
				Peak	5700.000	-49.43	≤5.82	4.45	PASS
				Peak	5720.000	-47.54	≤11.42	4.45	PASS
				Peak	5725.000	-46.27	≤22.82	4.45	PASS
		High	5825	Peak	5850.000	-44.945	≤22.82	4.45	PASS
				Peak	5855.000	-47.52	≤11.42	4.45	PASS
				Peak	5875.000	-49.1	≤5.82	4.45	PASS
				Peak	5925.000	-50.42	≤-27.00	4.45	PASS
11N20	Ant1	Low	5745	Peak	5650.000	-47.449	≤-31.18	4.45	PASS
				Peak	5700.000	-45.4	≤5.82	4.45	PASS
				Peak	5720.000	-44.73	≤11.42	4.45	PASS
				Peak	5725.000	-44.81	≤22.82	4.45	PASS
		High	5825	Peak	5850.000	-42.095	≤22.82	4.45	PASS
				Peak	5855.000	-44.9	≤11.42	4.45	PASS
				Peak	5875.000	-47	≤5.82	4.45	PASS
				Peak	5925.000	-45.87	≤-27.00	4.45	PASS
11N40	Ant1	Low	5755	Peak	5650.000	-48.181	≤-31.18	4.45	PASS
				Peak	5700.000	-43.11	≤5.82	4.45	PASS
				Peak	5720.000	-40.27	≤11.42	4.45	PASS
				Peak	5725.000	-37.84	≤22.82	4.45	PASS
		High	5795	Peak	5850.000	-37.847	≤22.82	4.45	PASS
				Peak	5855.000	-40.97	≤11.42	4.45	PASS
				Peak	5875.000	-45.46	≤5.82	4.45	PASS
				Peak	5925.000	-46.05	≤-27.00	4.45	PASS
11AC20	Ant1	Low	5745	Peak	5650.000	-45.911	≤-31.18	4.45	PASS
				Peak	5700.000	-46.84	≤5.82	4.45	PASS
				Peak	5720.000	-45.88	≤11.42	4.45	PASS
				Peak	5725.000	-42.88	≤22.82	4.45	PASS
		High	5825	Peak	5850.000	-45.073	≤22.82	4.45	PASS
				Peak	5855.000	-46.7	≤11.42	4.45	PASS
				Peak	5875.000	-46.4	≤5.82	4.45	PASS
				Peak	5925.000	-45.41	≤-27.00	4.45	PASS
11AC40	Ant1	Low	5755	Peak	5650.000	-48.396	≤-31.18	4.45	PASS
				Peak	5700.000	-42.76	≤5.82	4.45	PASS
				Peak	5720.000	-41.61	≤11.42	4.45	PASS

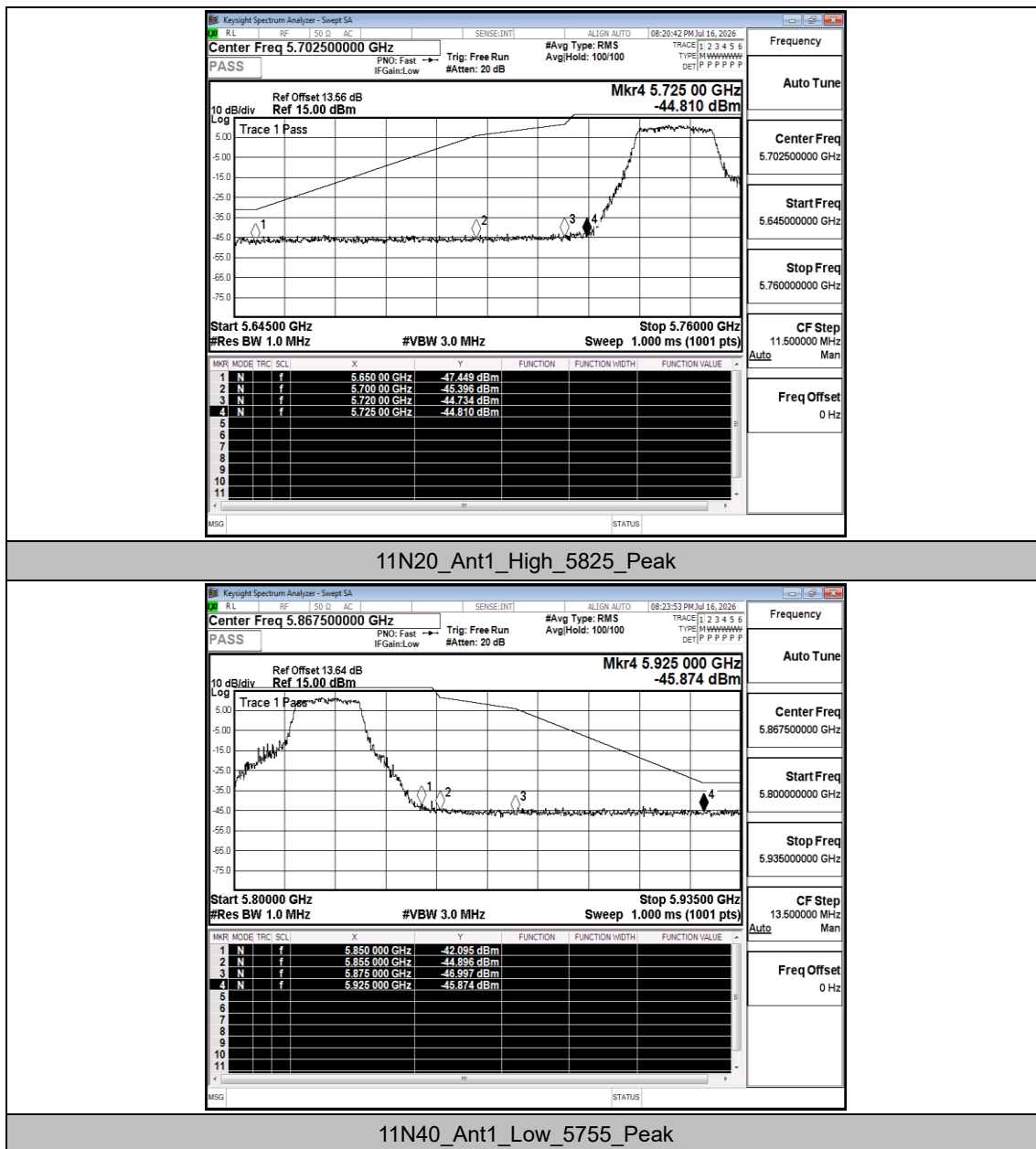
		High	5795	Peak	5725.000	-38.45	≤22.82	4.45	PASS
				Peak	5850.000	-40.88	≤22.82	4.45	PASS
				Peak	5855.000	-38.67	≤11.42	4.45	PASS
				Peak	5875.000	-47.03	≤5.82	4.45	PASS
				Peak	5925.000	-45.15	≤-27.00	4.45	PASS
11AC80	Ant1	Low	5775	Peak	5650.000	-46.055	≤-31.18	4.45	PASS
				Peak	5700.000	-39.22	≤5.82	4.45	PASS
				Peak	5720.000	-32.88	≤11.42	4.45	PASS
				Peak	5725.000	-32.79	≤22.82	4.45	PASS
		High	5775	Peak	5850.000	-39.558	≤22.82	4.45	PASS
				Peak	5855.000	-40.05	≤11.42	4.45	PASS
				Peak	5875.000	-40.5	≤5.82	4.45	PASS
				Peak	5925.000	-45.66	≤-27.00	4.45	PASS
11AX20	Ant1	Low	5745	Peak	5650.000	-46.954	≤-31.18	4.45	PASS
				Peak	5700.000	-45.31	≤5.82	4.45	PASS
				Peak	5720.000	-45.23	≤11.42	4.45	PASS
				Peak	5725.000	-42.77	≤22.82	4.45	PASS
		High	5825	Peak	5850.000	-44.296	≤22.82	4.45	PASS
				Peak	5855.000	-46.1	≤11.42	4.45	PASS
				Peak	5875.000	-47.64	≤5.82	4.45	PASS
				Peak	5925.000	-45.92	≤-27.00	4.45	PASS
11AX40	Ant1	Low	5755	Peak	5650.000	-45.06	≤-31.18	4.45	PASS
				Peak	5700.000	-44.54	≤5.82	4.45	PASS
				Peak	5720.000	-39.15	≤11.42	4.45	PASS
				Peak	5725.000	-41.09	≤22.82	4.45	PASS
		High	5795	Peak	5850.000	-40.351	≤22.82	4.45	PASS
				Peak	5855.000	-39.09	≤11.42	4.45	PASS
				Peak	5875.000	-42.96	≤5.82	4.45	PASS
				Peak	5925.000	-44.81	≤-27.00	4.45	PASS
11AX80	Ant1	Low	5775	Peak	5650.000	-44.717	≤-31.18	4.45	PASS
				Peak	5700.000	-35.37	≤5.82	4.45	PASS
				Peak	5720.000	-35.08	≤11.42	4.45	PASS
				Peak	5725.000	-35.39	≤22.82	4.45	PASS
		High	5775	Peak	5850.000	-37.937	≤22.82	4.45	PASS
				Peak	5855.000	-38.4	≤11.42	4.45	PASS
				Peak	5875.000	-43.1	≤5.82	4.45	PASS
				Peak	5925.000	-46.09	≤-27.00	4.45	PASS

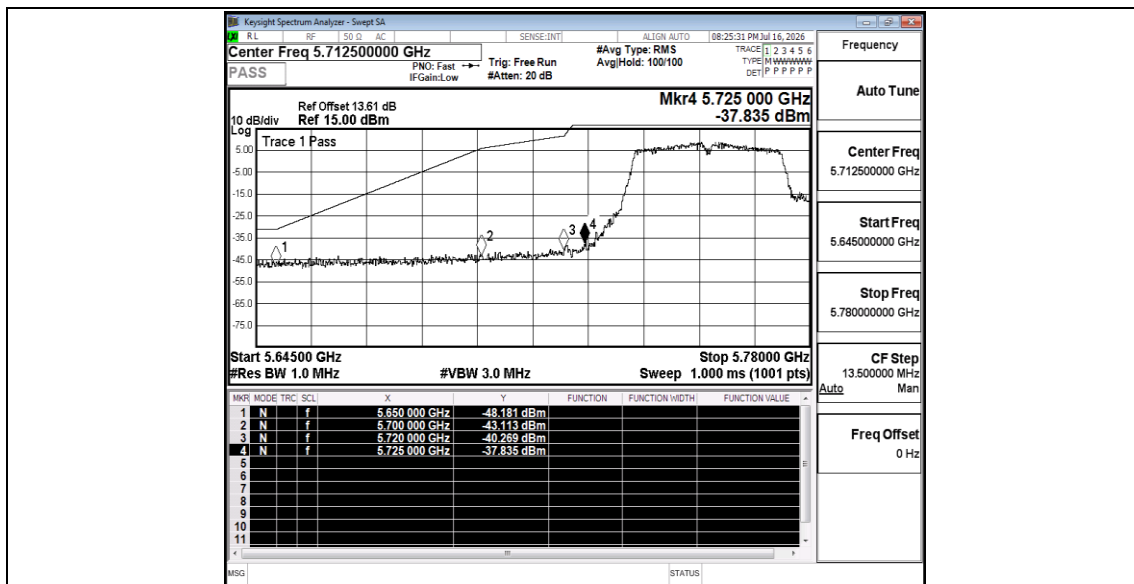
Note:

1. The Antenna Gain is compensated in the graph.

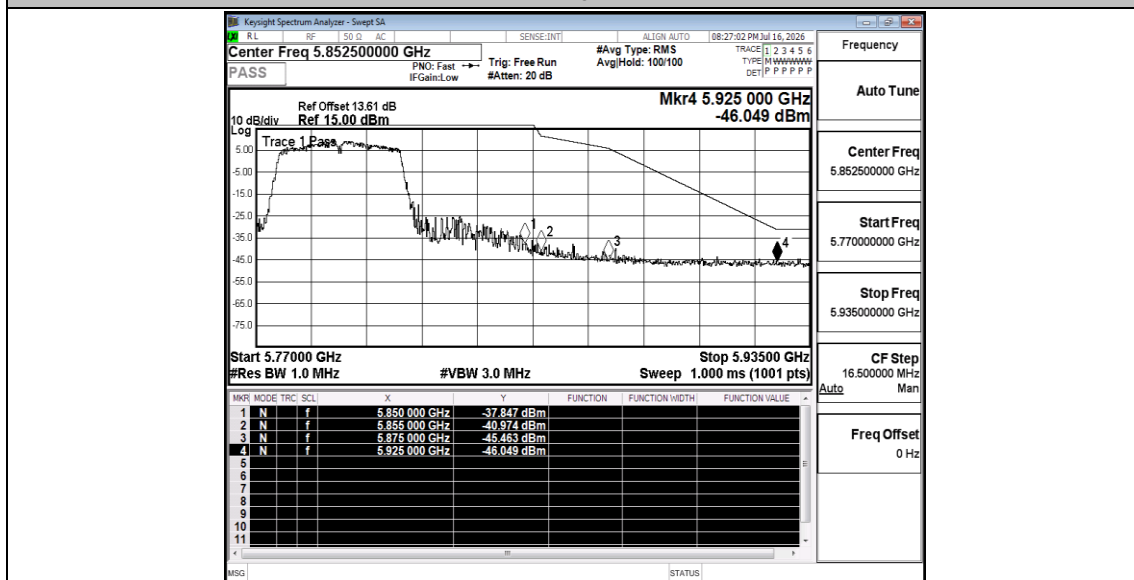
Test Graphs



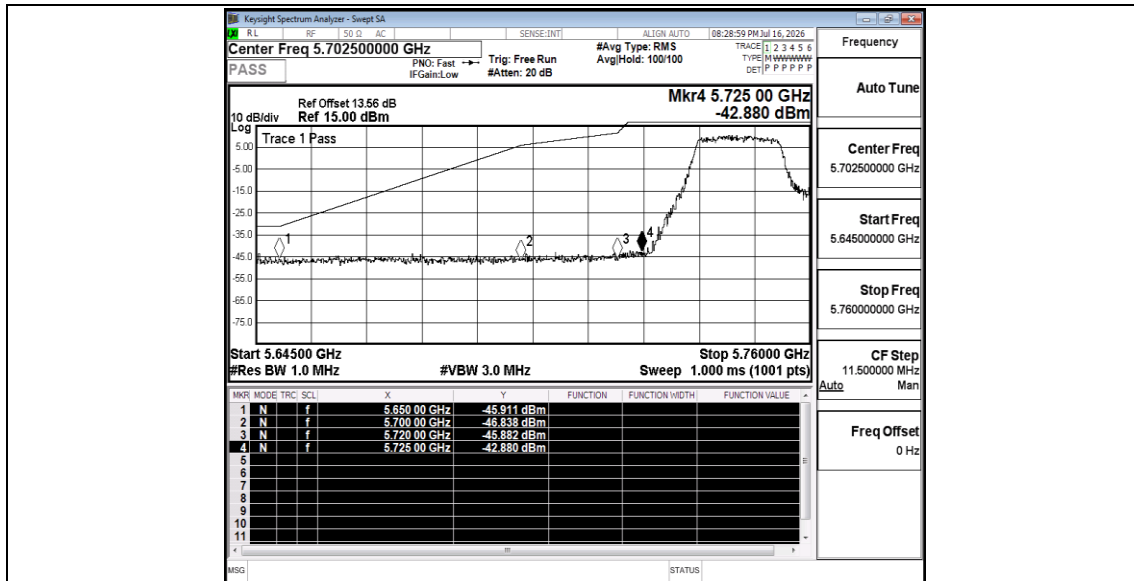




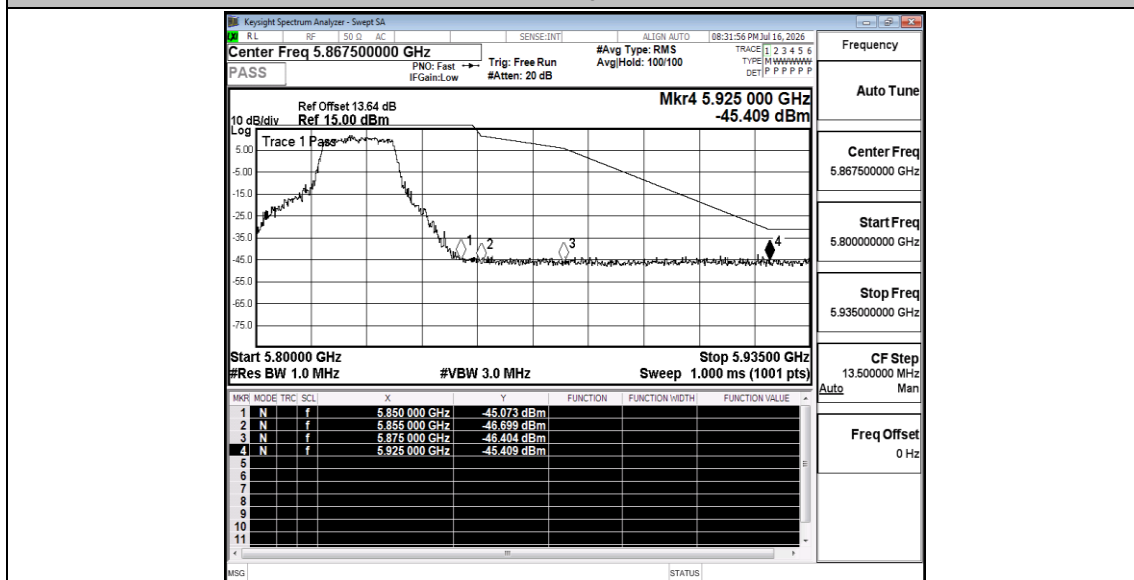
11N40_Ant1_High_5795_Peak



11AC20_Ant1_Low_5745_Peak



11AC20_Ant1_High_5825_Peak



11AC40_Ant1_Low_5755_Peak