

Appendix F

RF Test Data for 5.5GWIFI (Conducted Measurement)

Tablet

Test Model: i101AC

Environmental Conditions

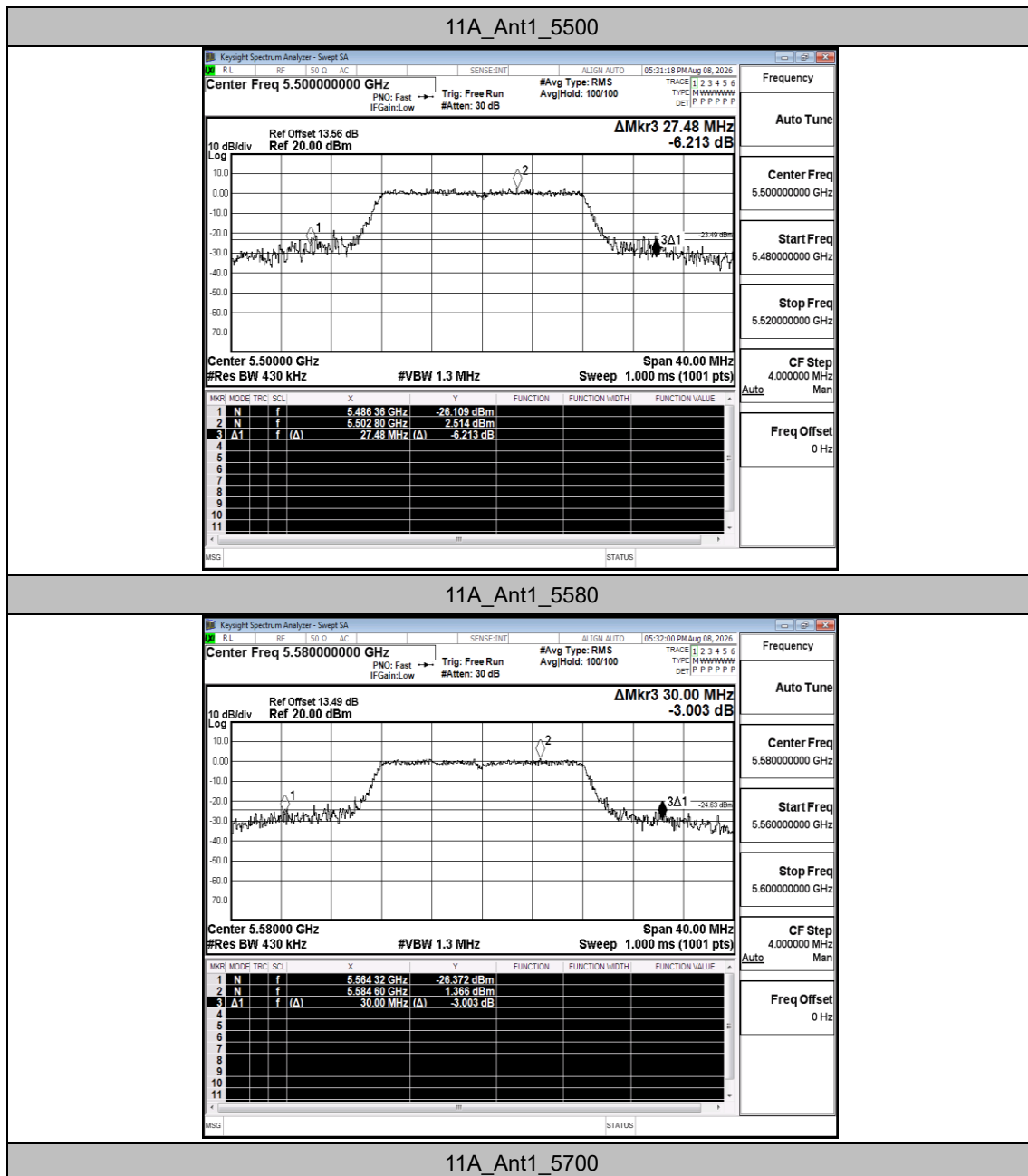
Temperature:	24.6° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

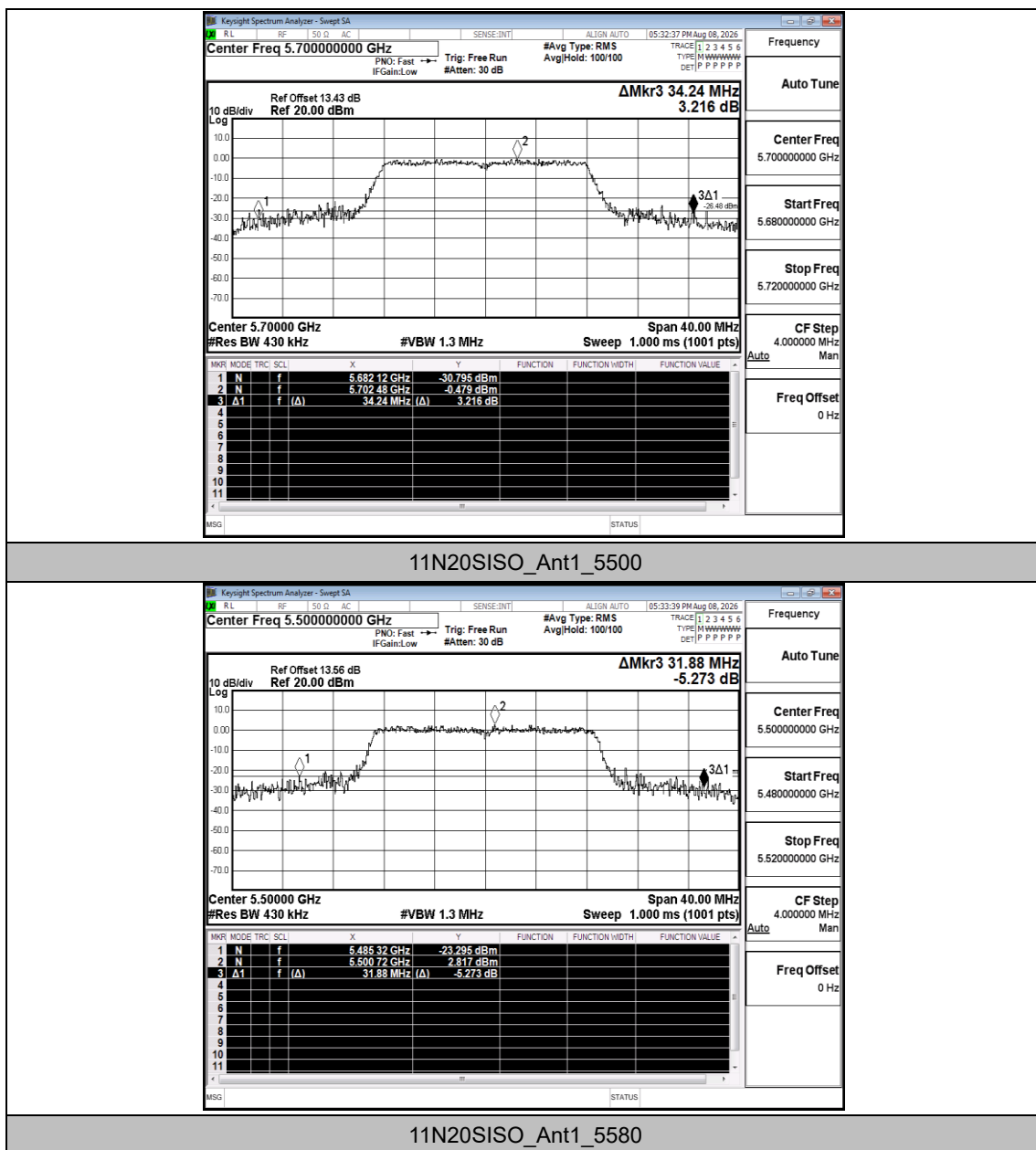
F.1 Emission Bandwidth

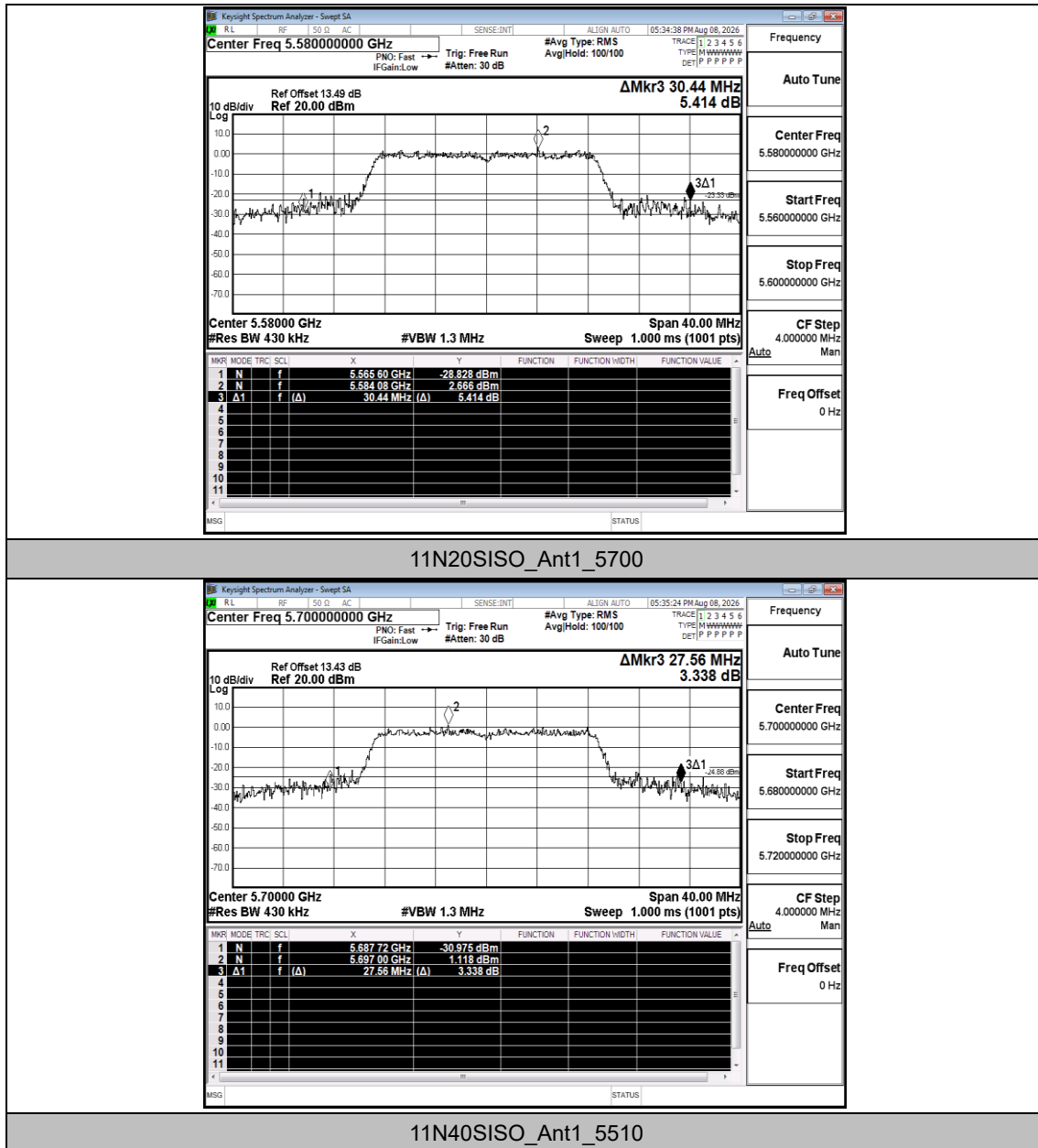
Test Result

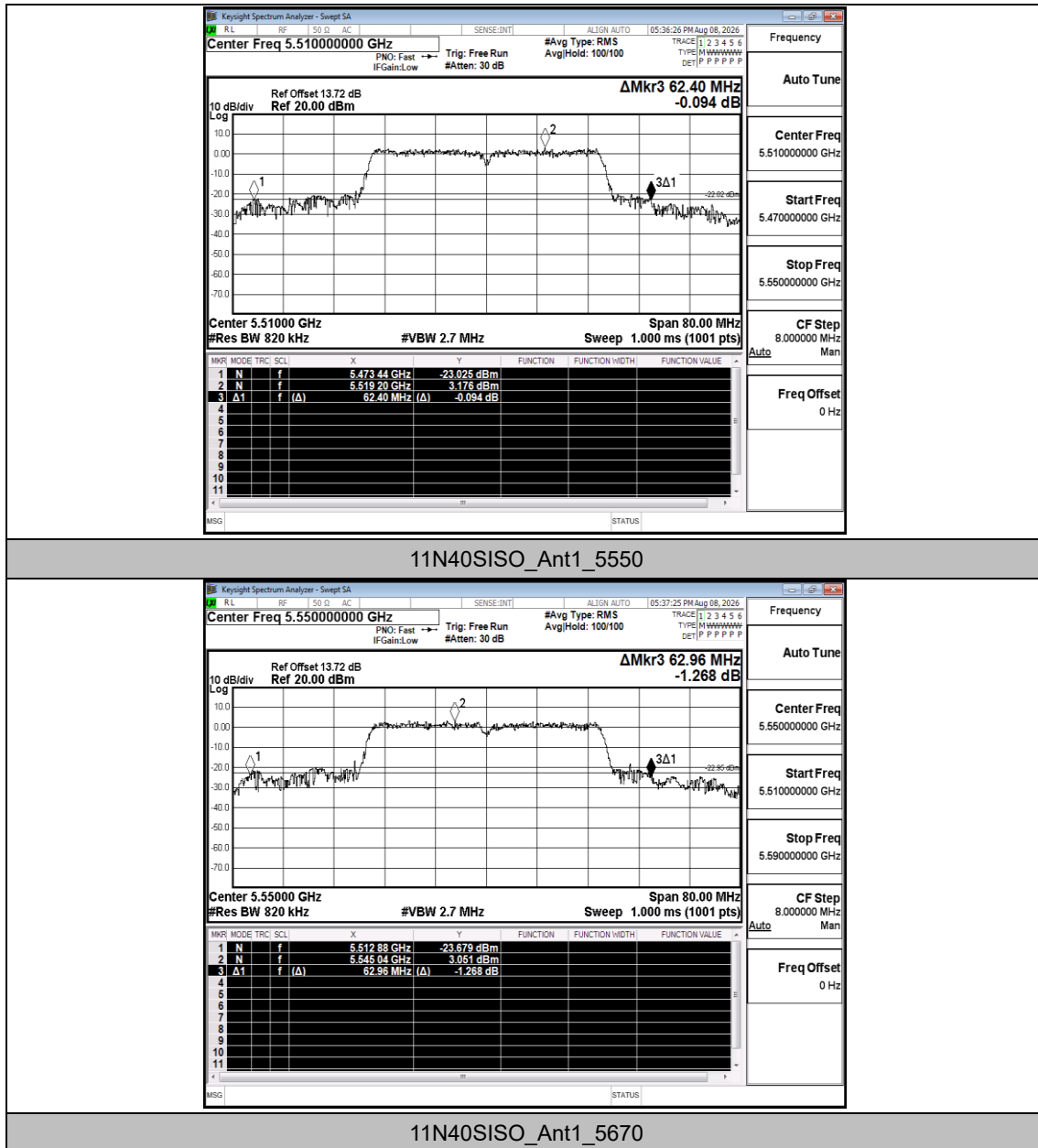
TestMode	Antenna	Freq (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5500	27.480	5486.360	5513.840	---	---
		5580	30.000	5564.320	5594.320	---	---
		5700	34.240	5682.120	5716.360	---	---
11N20SISO	Ant1	5500	31.880	5485.320	5517.200	---	---
		5580	30.440	5565.600	5596.040	---	---
		5700	27.560	5687.720	5715.280	---	---
11N40SISO	Ant1	5510	62.400	5473.440	5535.840	---	---
		5550	62.960	5512.880	5575.840	---	---
		5670	63.440	5632.480	5695.920	---	---
11AC20SISO	Ant1	5500	32.080	5481.240	5513.320	---	---
		5580	30.760	5563.680	5594.440	---	---
		5700	34.520	5680.960	5715.480	---	---
11AC40SISO	Ant1	5510	52.800	5482.400	5535.200	---	---
		5550	56.560	5518.720	5575.280	---	---
		5670	51.040	5642.400	5693.440	---	---
11AX20SISO	Ant1	5500	30.640	5486.760	5517.400	---	---
		5580	31.640	5562.800	5594.440	---	---
		5700	33.520	5682.080	5715.600	---	---
11AX40SISO	Ant1	5510	53.120	5482.240	5535.360	---	---
		5550	52.960	5522.400	5575.360	---	---
		5670	52.880	5642.240	5695.120	---	---

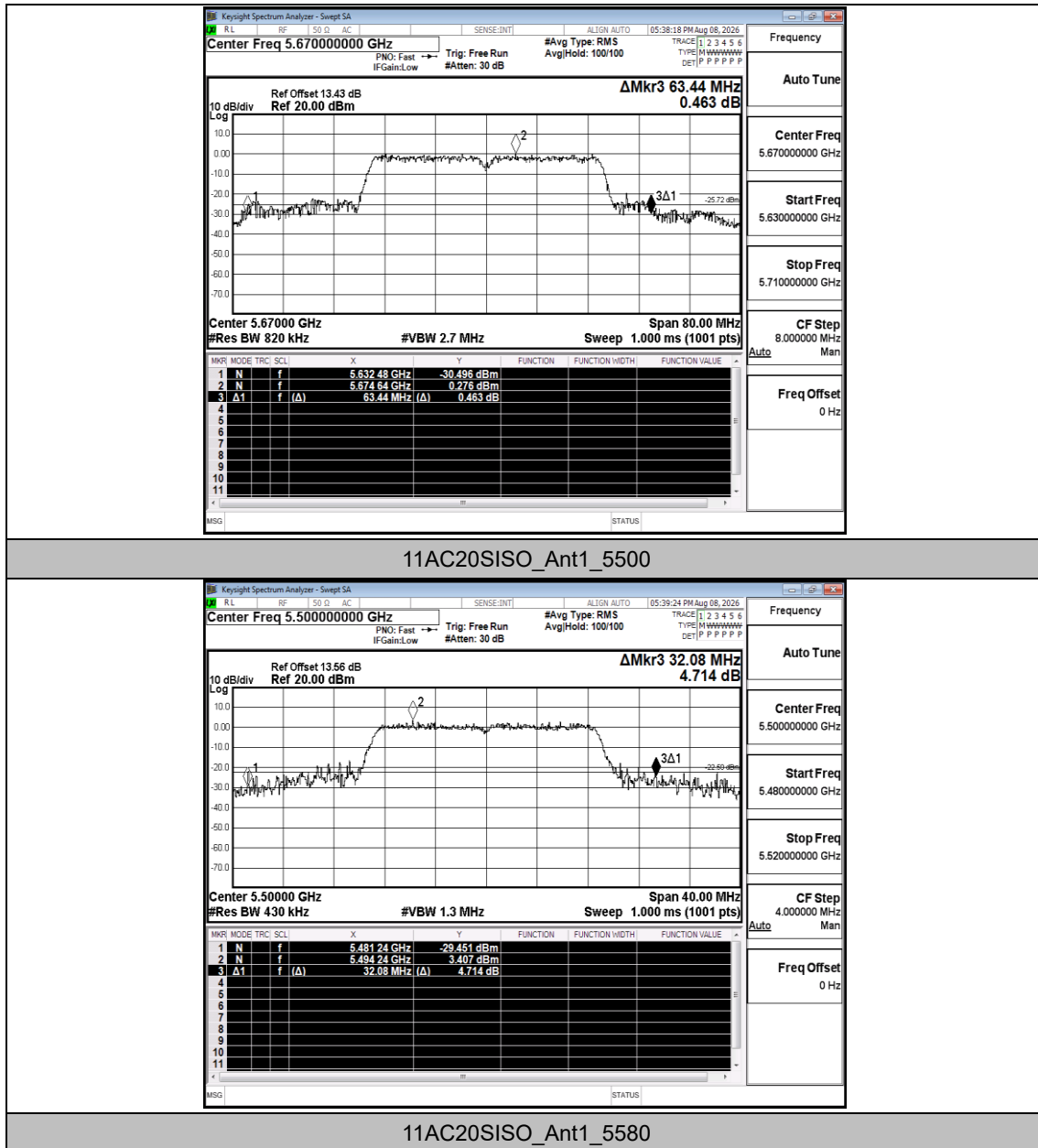
Test Graphs

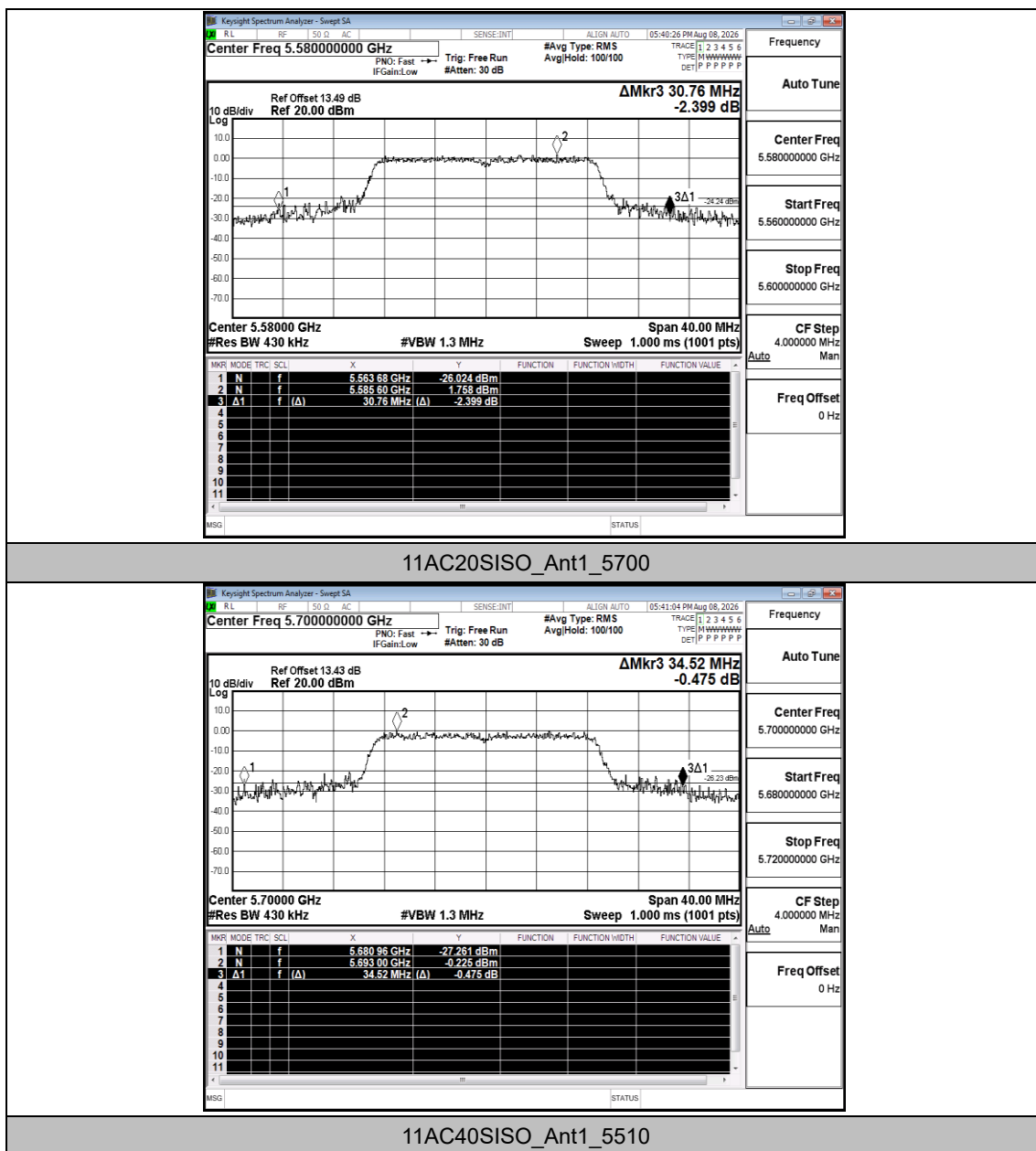


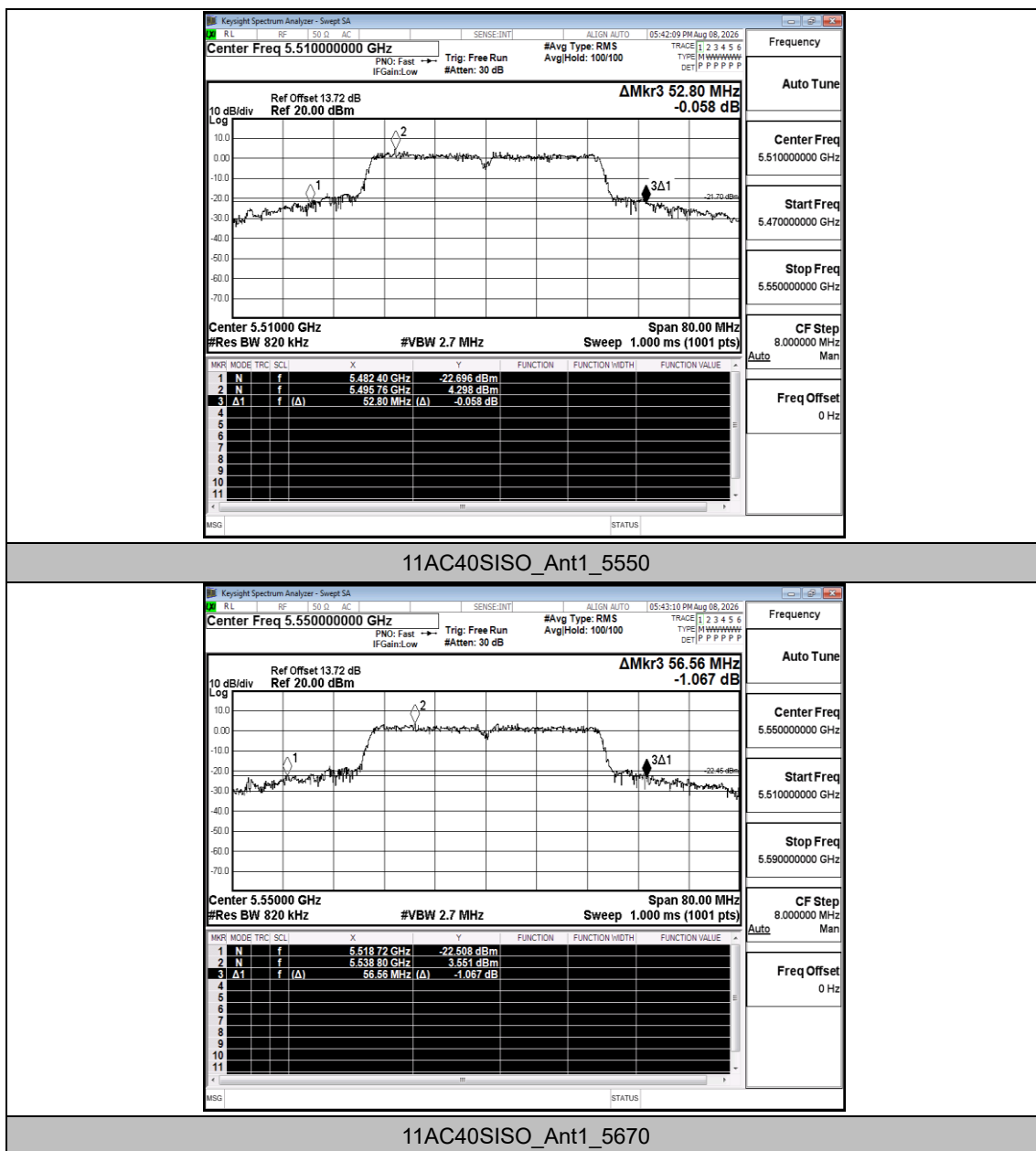


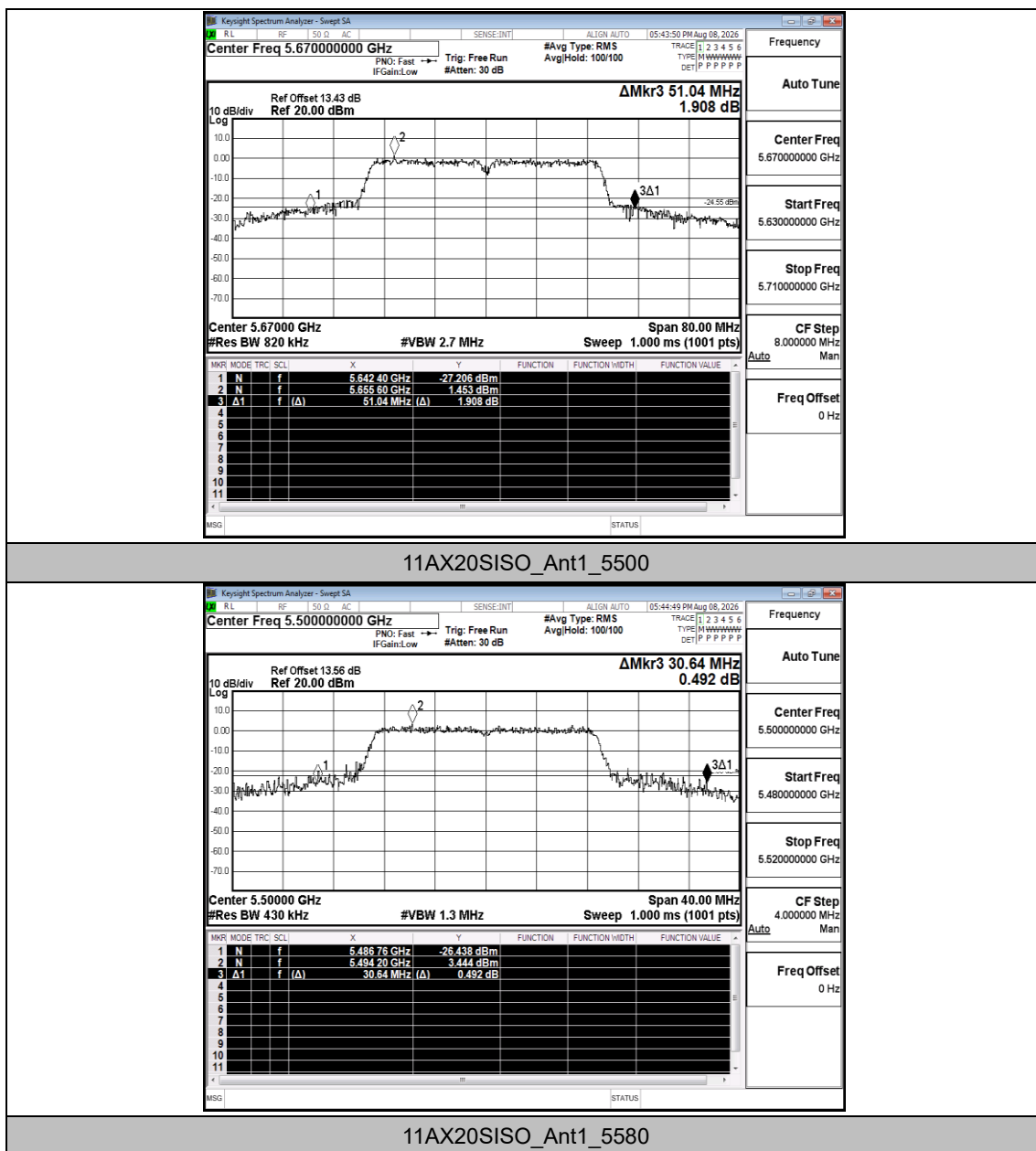


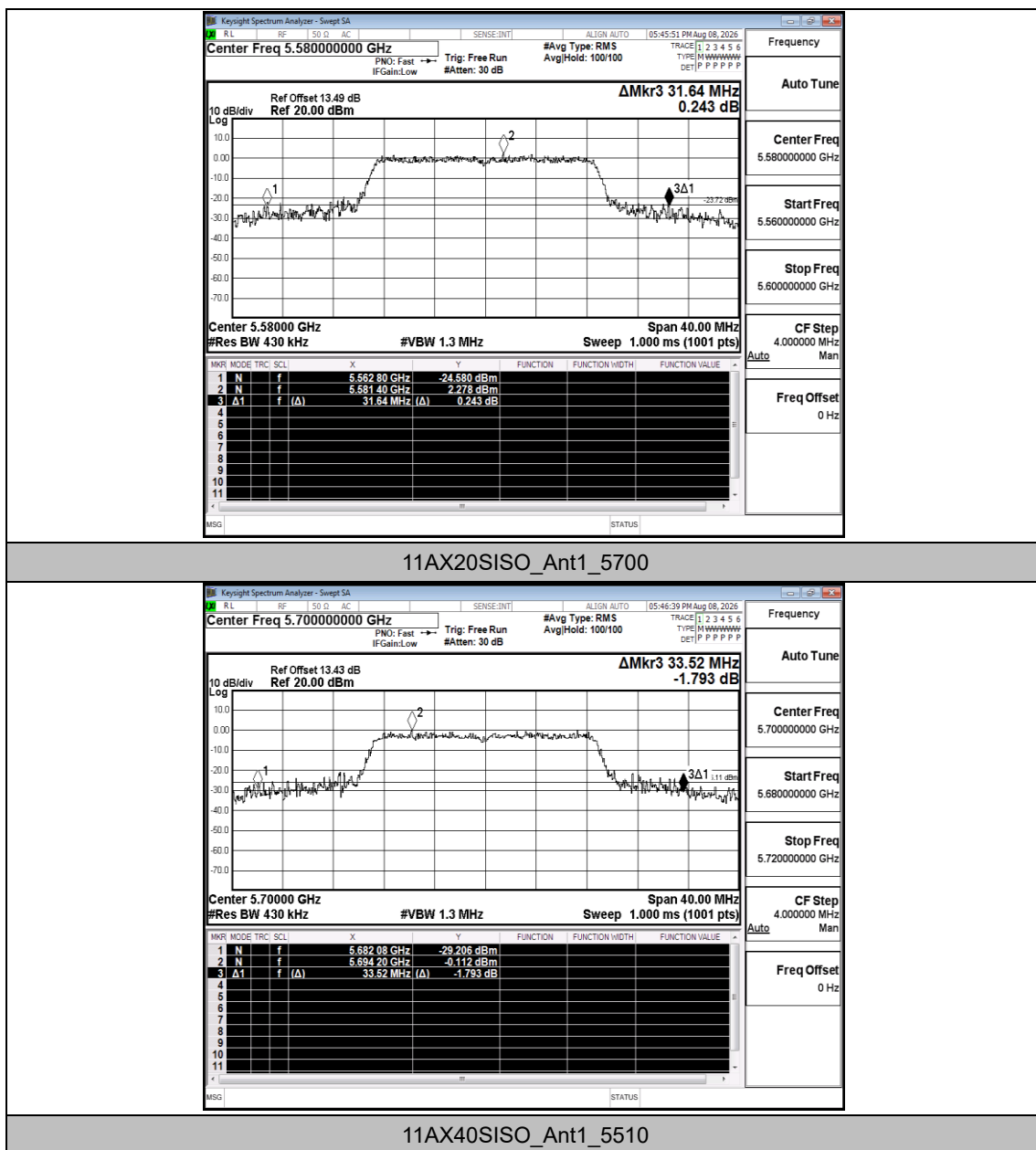


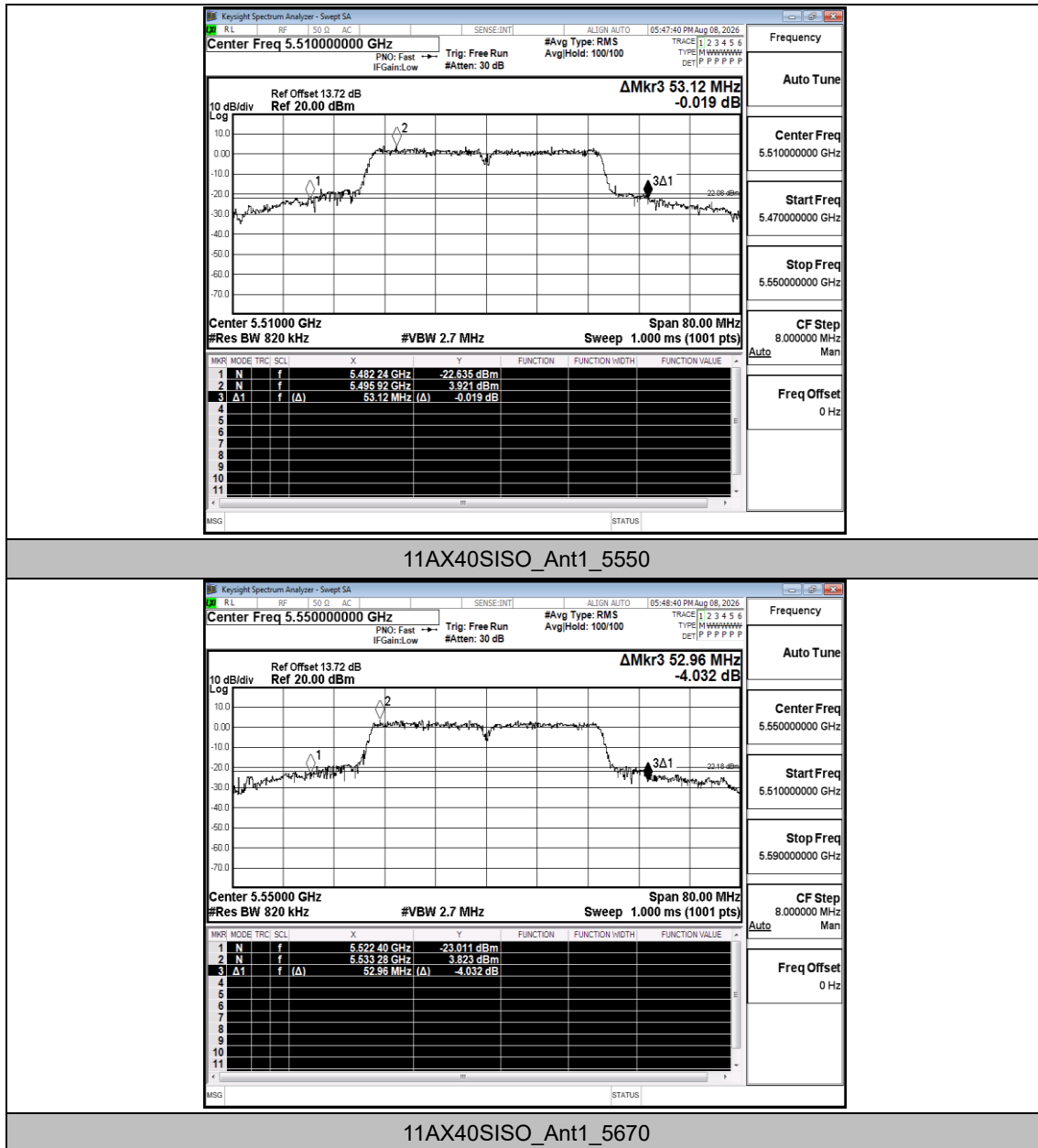


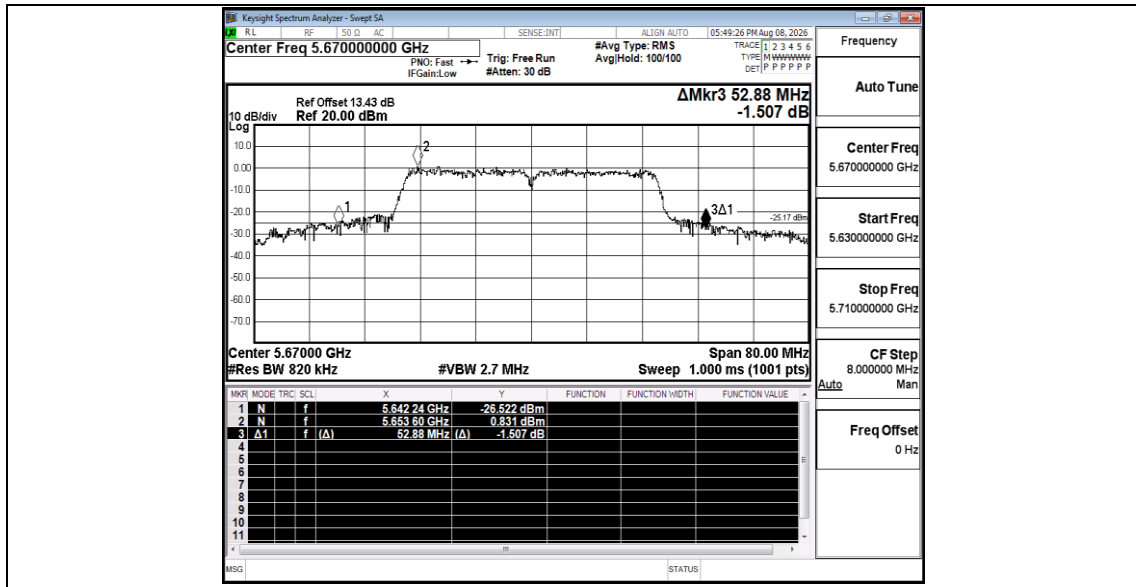












F.2 Maximum conducted output power

Test Result

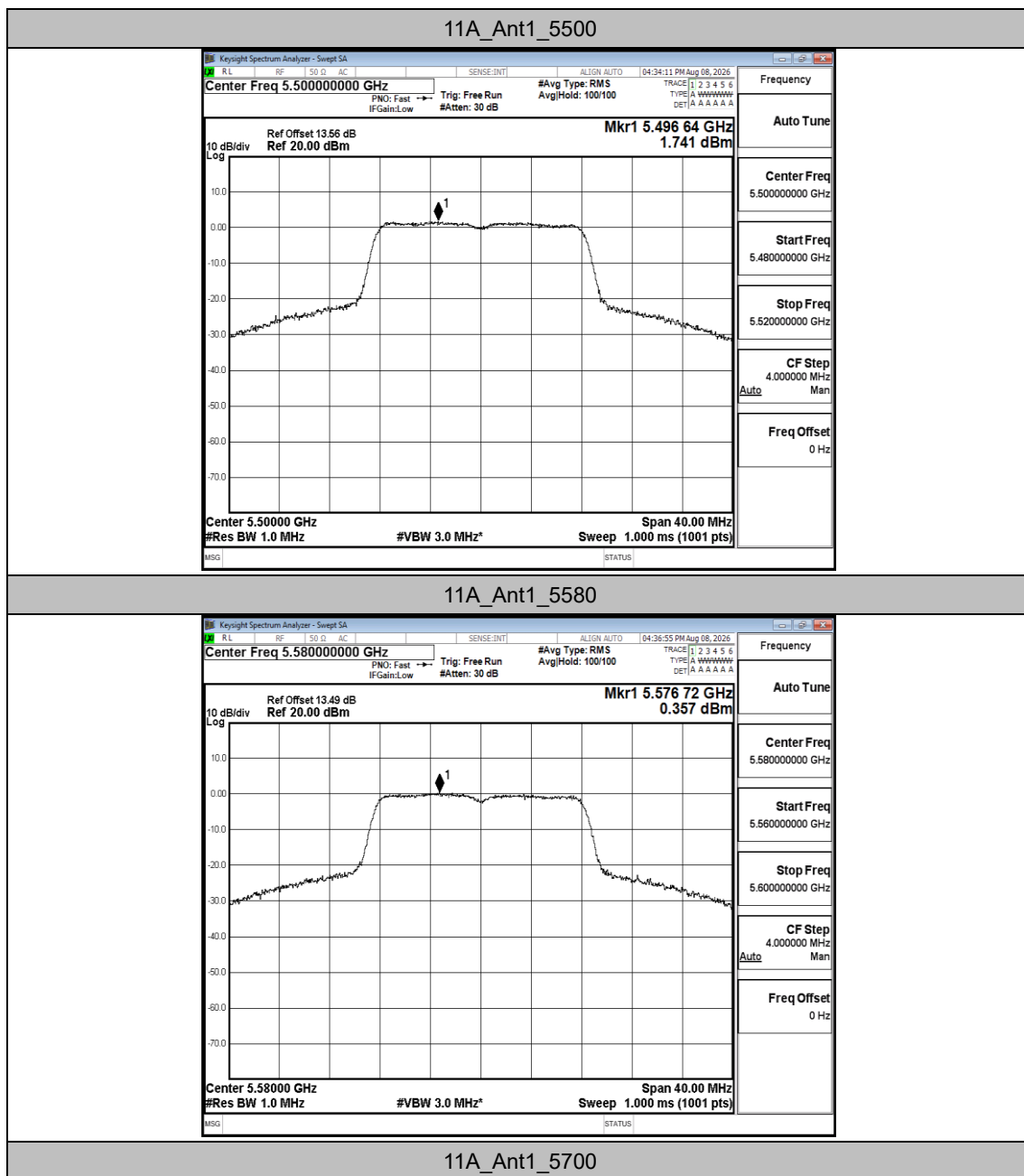
TestMode	Antenna	Freq (MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	NA	14.30	0.21	14.51	≤23.98	PASS
		5580	NA	12.99	0.21	13.20	≤23.98	PASS
		5700	NA	12.61	0.21	12.82	≤23.98	PASS
11N20SISO	Ant1	5500	NA	15.36	0.22	15.58	≤23.98	PASS
		5580	NA	14.09	0.25	14.34	≤23.98	PASS
		5700	NA	12.72	0.22	12.94	≤23.98	PASS
11N40SISO	Ant1	5510	NA	15.09	0.42	15.51	≤23.98	PASS
		5550	NA	14.14	0.42	14.56	≤23.98	PASS
		5670	NA	12.75	0.49	13.24	≤23.98	PASS
11AC20SISO	Ant1	5500	NA	15.31	0.25	15.56	≤23.98	PASS
		5580	NA	13.96	0.21	14.17	≤23.98	PASS
		5700	NA	12.70	0.21	12.91	≤23.98	PASS
11AC40SISO	Ant1	5510	NA	15.03	0.42	15.45	≤23.98	PASS
		5550	NA	14.10	0.49	14.59	≤23.98	PASS
		5670	NA	12.68	0.42	13.10	≤23.98	PASS
11AX20SISO	Ant1	5500	NA	15.17	0.22	15.39	≤23.98	PASS
		5580	NA	13.92	0.25	14.17	≤23.98	PASS
		5700	NA	12.57	0.21	12.78	≤23.98	PASS
11AX40SISO	Ant1	5510	NA	15.02	0.42	15.44	≤23.98	PASS
		5550	NA	14.09	0.42	14.51	≤23.98	PASS
		5670	NA	12.67	0.42	13.09	≤23.98	PASS

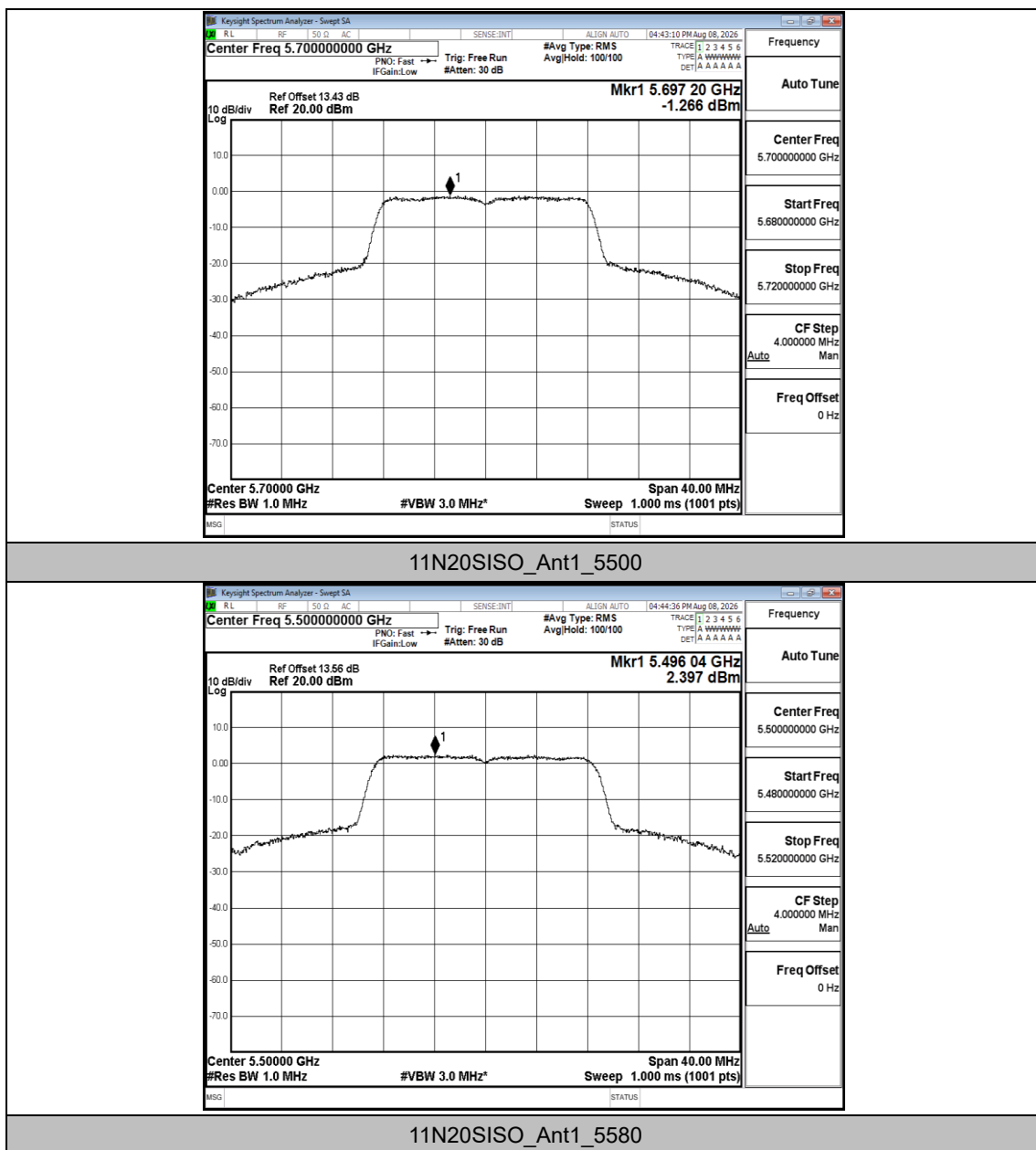
F.3 Maximum power spectral density

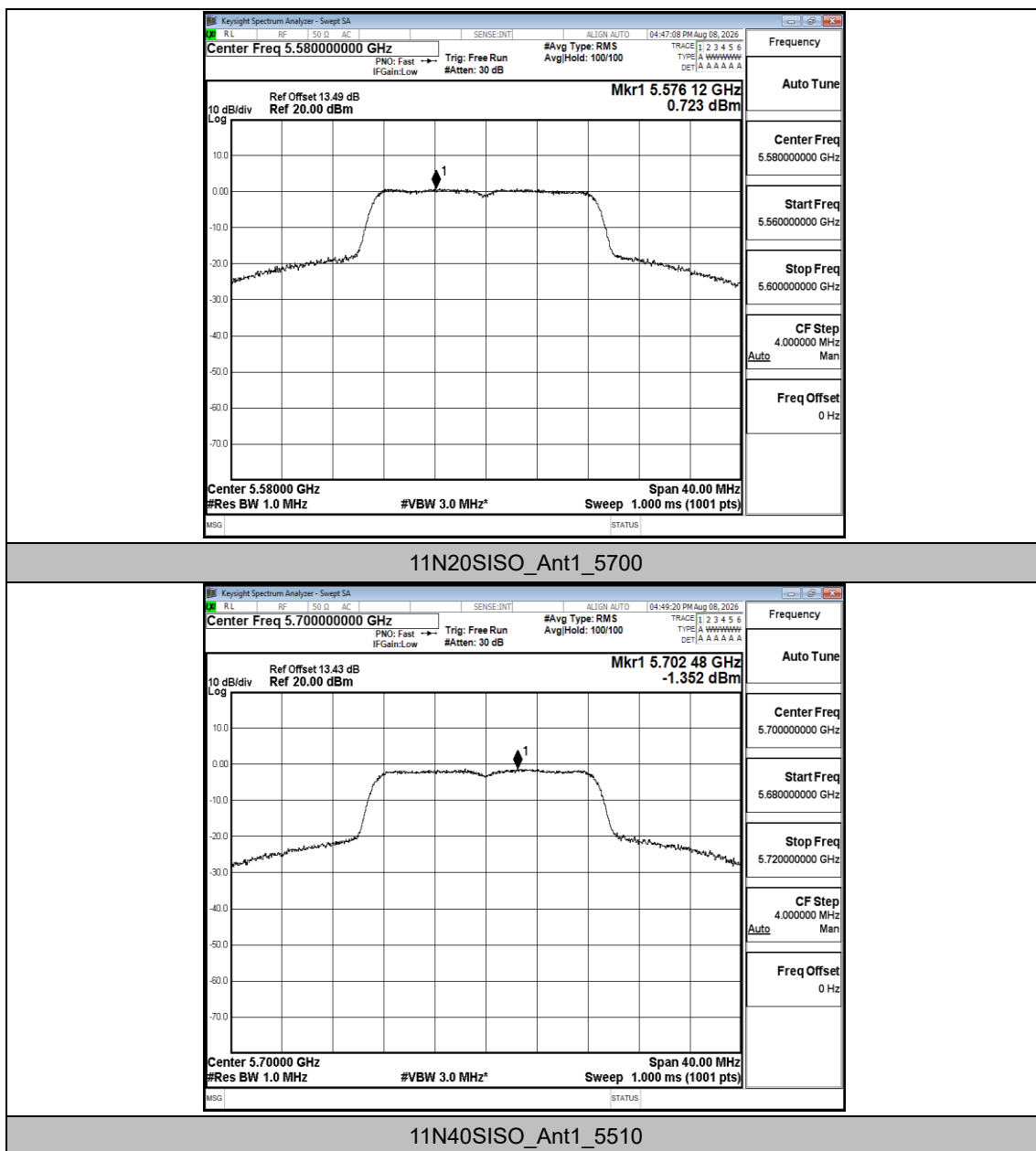
Test Result

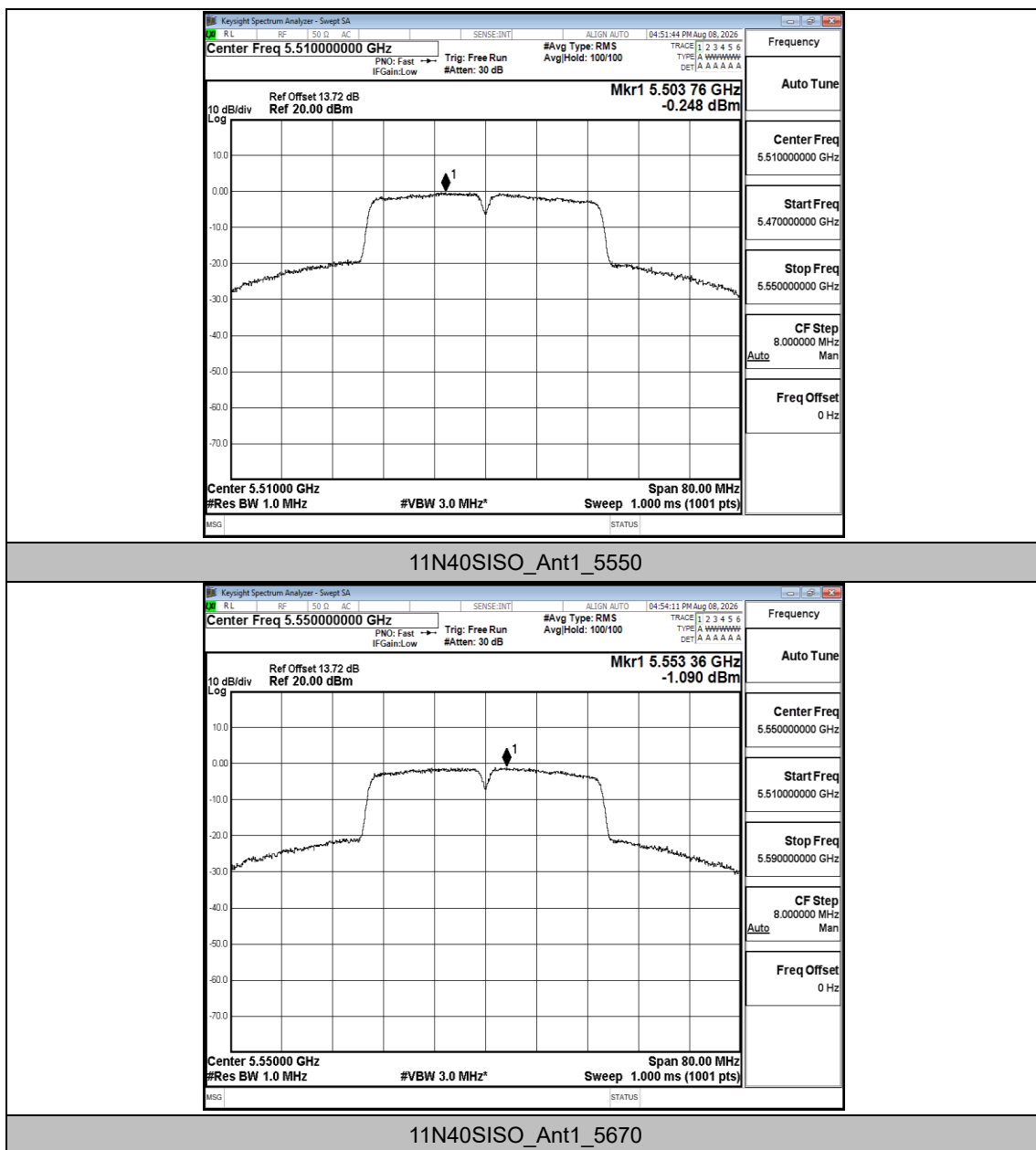
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5500	1.74	0.21	1.95	≤11.00	PASS
		5580	0.36	0.21	0.57	≤11.00	PASS
		5700	-1.27	0.21	-1.06	≤11.00	PASS
11N20SISO	Ant1	5500	2.4	0.22	2.62	≤11.00	PASS
		5580	0.72	0.25	0.97	≤11.00	PASS
		5700	-1.35	0.22	-1.13	≤11.00	PASS
11N40SISO	Ant1	5510	-0.25	0.42	0.17	≤11.00	PASS
		5550	-1.09	0.42	-0.67	≤11.00	PASS
		5670	-3.76	0.49	-3.27	≤11.00	PASS
11AC20SISO	Ant1	5500	2.44	0.25	2.69	≤11.00	PASS
		5580	1.04	0.21	1.25	≤11.00	PASS
		5700	-1.13	0.21	-0.92	≤11.00	PASS
11AC40SISO	Ant1	5510	-0.39	0.42	0.03	≤11.00	PASS
		5550	-0.96	0.49	-0.47	≤11.00	PASS
		5670	-3.67	0.42	-3.25	≤11.00	PASS
11AX20SISO	Ant1	5500	2.44	0.22	2.66	≤11.00	PASS
		5580	0.78	0.25	1.03	≤11.00	PASS
		5700	-1.29	0.21	-1.08	≤11.00	PASS
11AX40SISO	Ant1	5510	-0.39	0.42	0.03	≤11.00	PASS
		5550	-0.64	0.42	-0.22	≤11.00	PASS
		5670	-3.77	0.42	-3.35	≤11.00	PASS

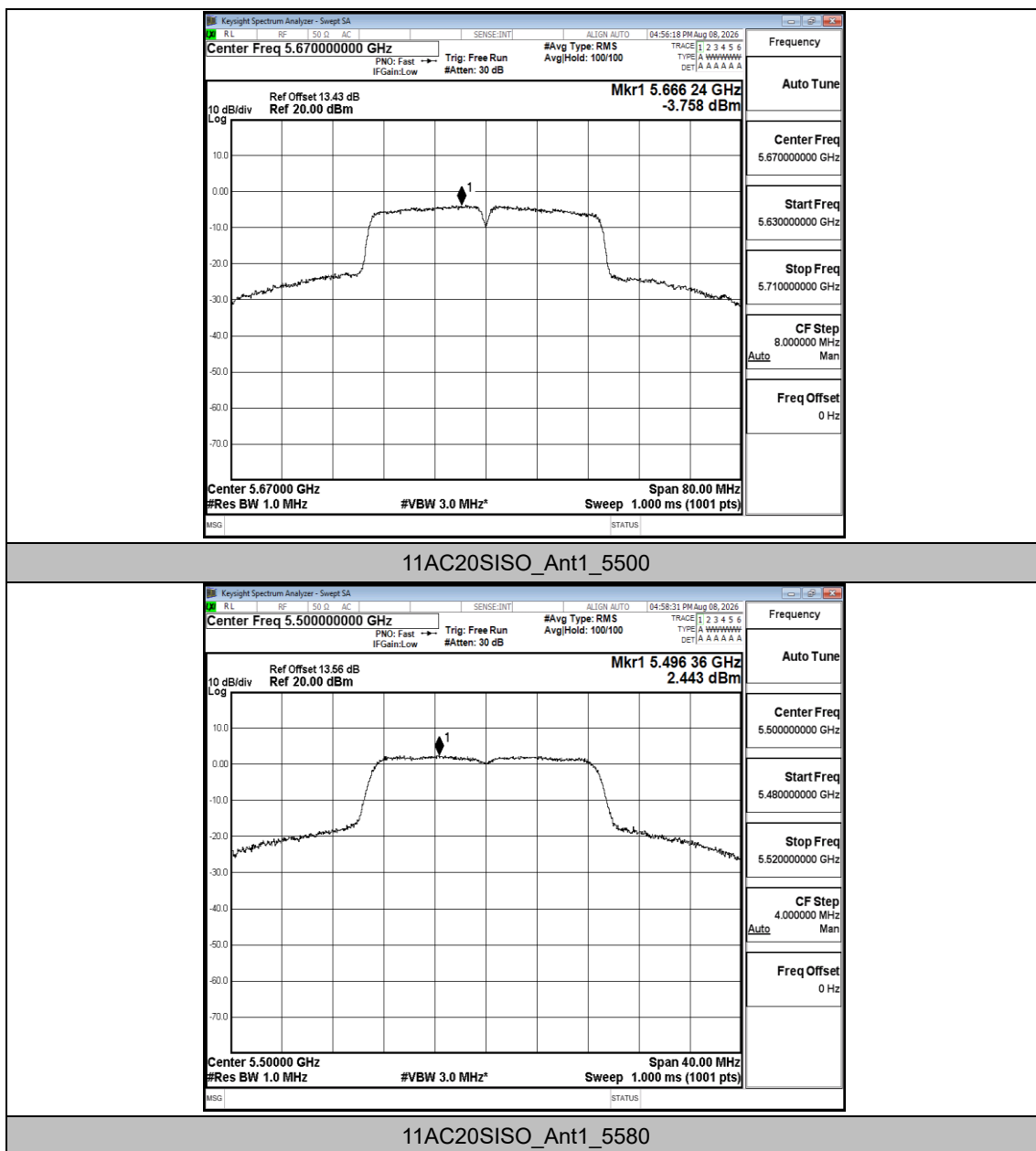
Test Graphs

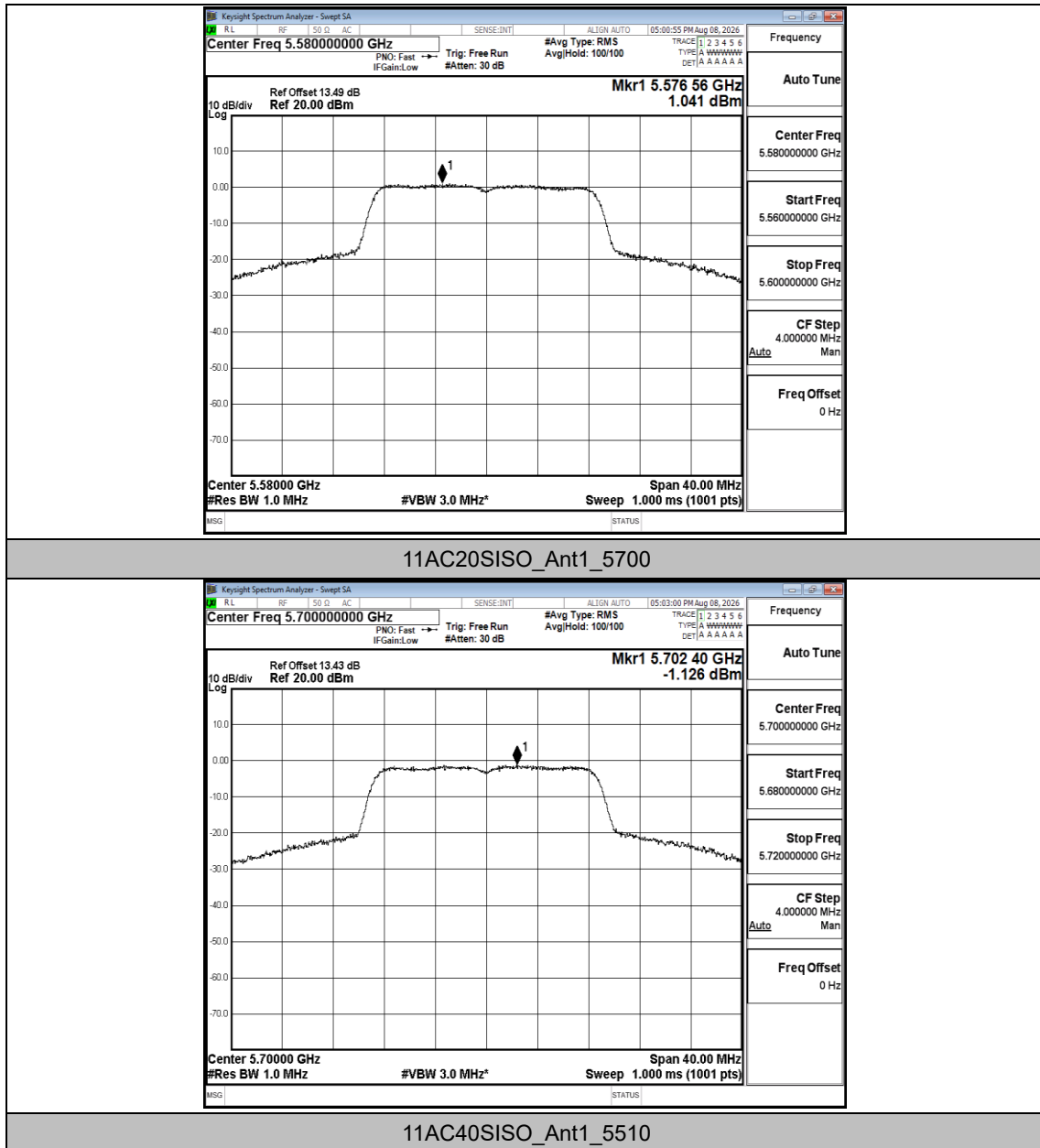


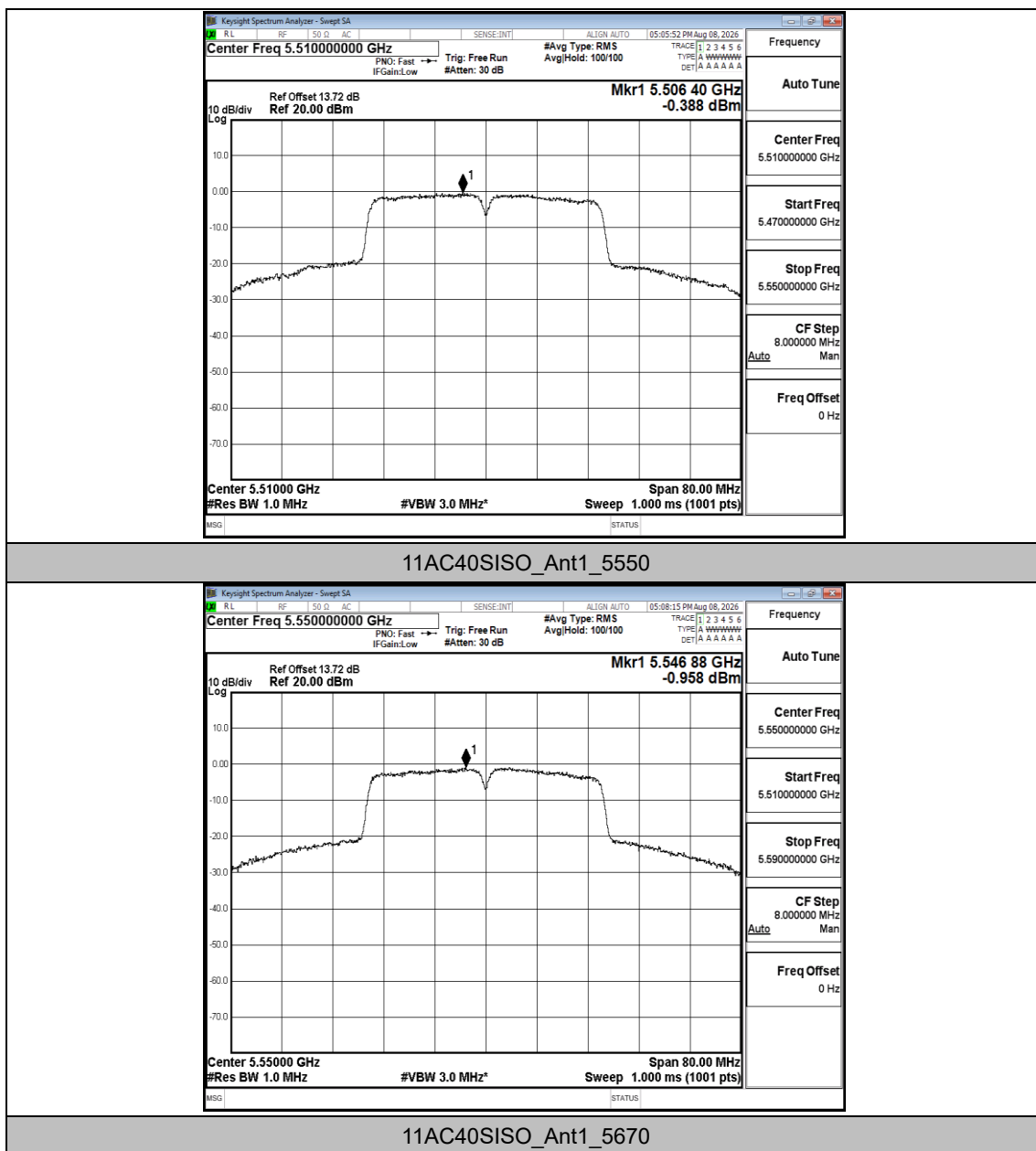


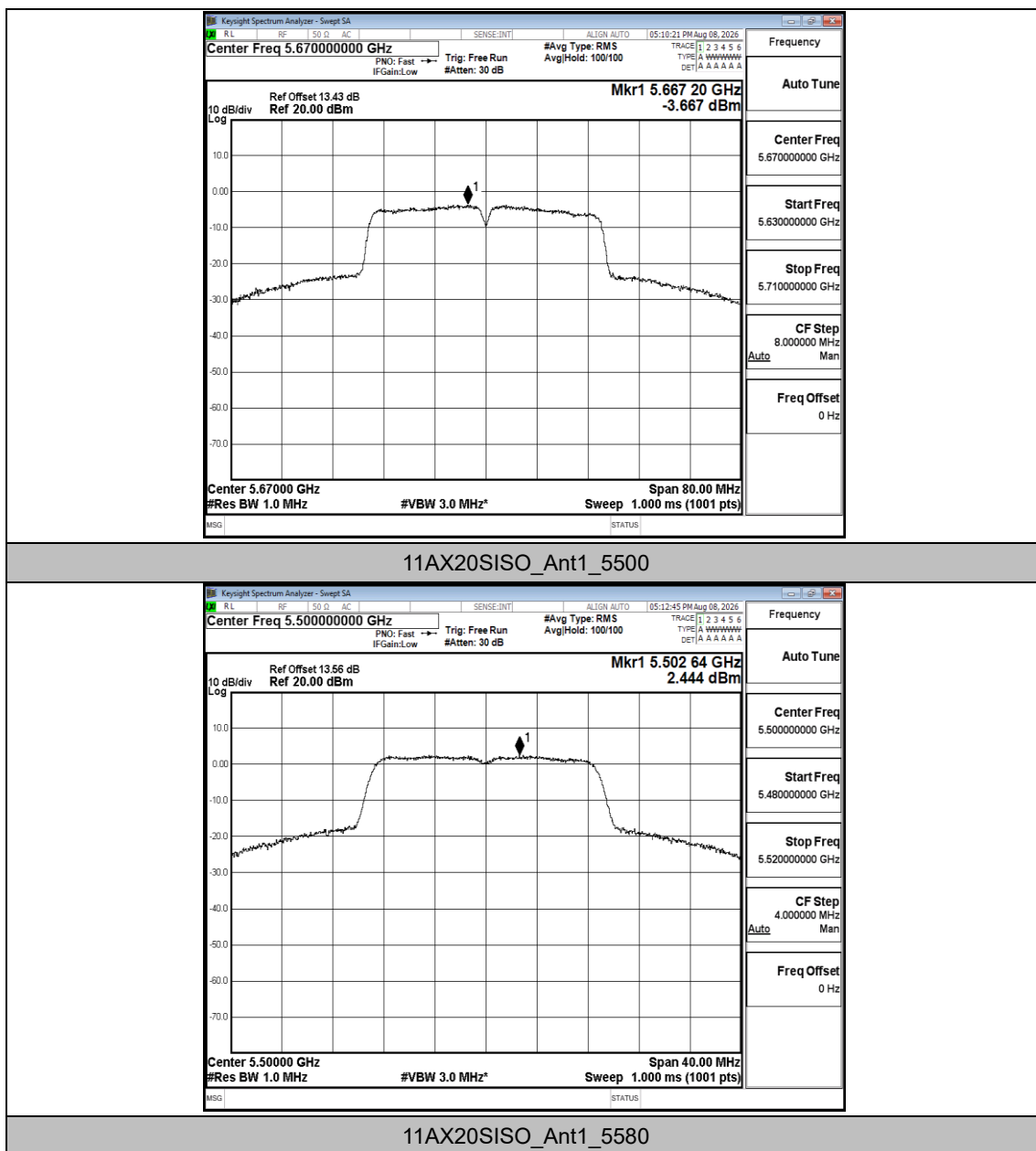


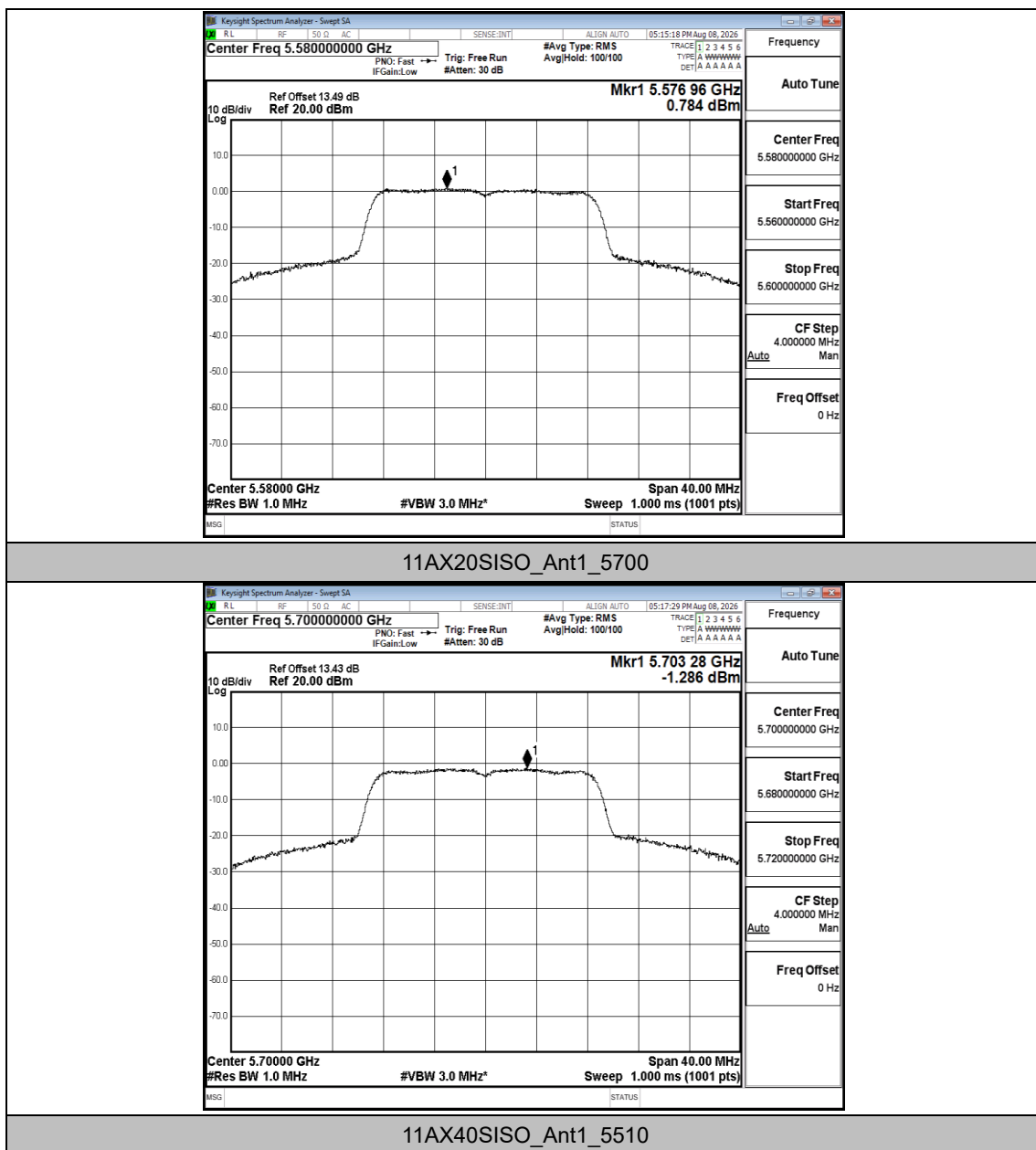


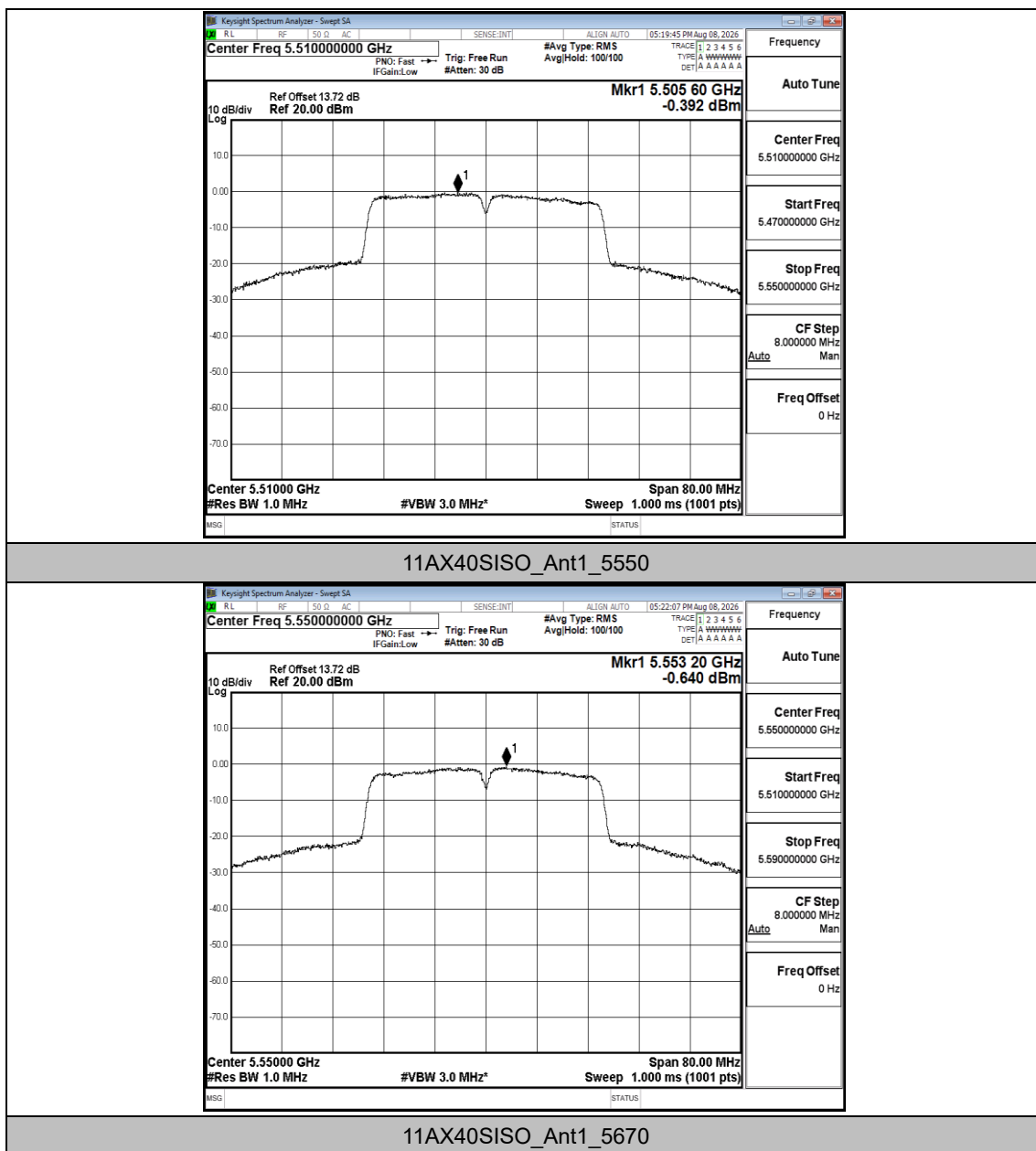


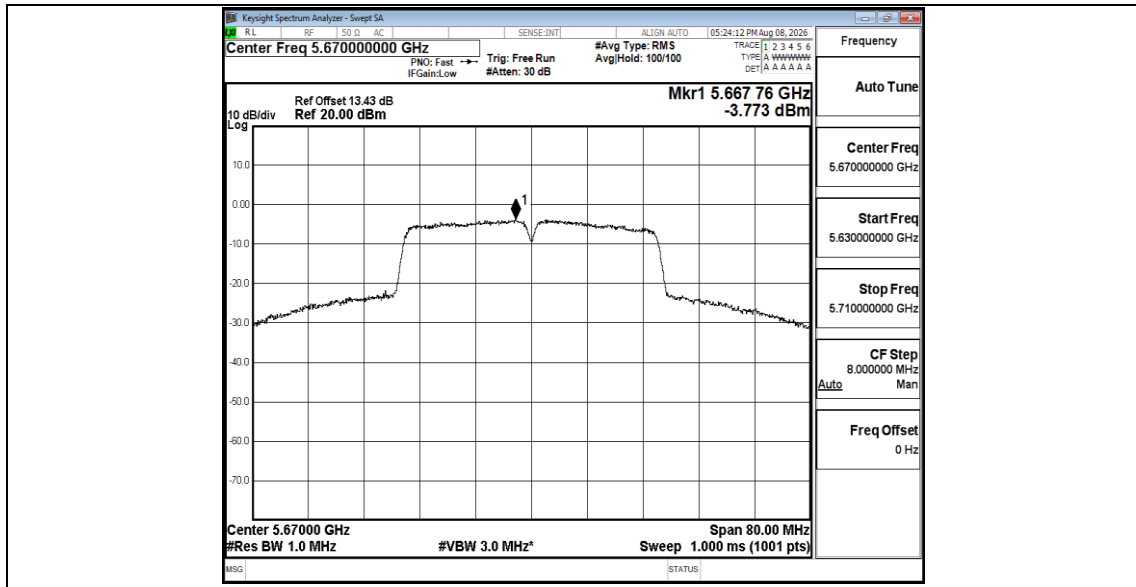












F.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBUV/m]	Limit [dBUV/m]	Verdict
11A	Ant1	Low	5500	AV	5350.000	-60.21	≤-44.53	3.12	0.21	38.32	≤54	PASS
				AV	5459.390	-48.3	≤-44.53	3.12	0.21	50.23	≤54	PASS
				AV	5460.000	-48.15	≤-44.53	3.12	0.21	50.38	≤54	PASS
				Peak	5350.000	-53.46	≤-30.12	3.12	0.00	44.86	≤68.2	PASS
				Peak	5458.760	-34.01	≤-30.12	3.12	0.00	64.31	≤68.2	PASS
				Peak	5460.000	-38.12	≤-30.12	3.12	0.00	60.20	≤68.2	PASS
		High	5700	AV	5725.000	-47.43	≤-44.53	3.12	0.21	51.10	≤54	PASS
				AV	5725.530	-48.03	≤-44.53	3.12	0.21	50.50	≤54	PASS
				AV	5735.000	-52.85	≤-44.53	3.12	0.21	45.68	≤54	PASS
				Peak	5725.000	-37.64	≤-30.12	3.12	0.00	60.68	≤68.2	PASS
				Peak	5725.530	-35.34	≤-30.12	3.12	0.00	62.98	≤68.2	PASS
				Peak	5735.000	-46.47	≤-30.12	3.12	0.00	51.85	≤68.2	PASS
11N20SISO	Ant1	Low	5500	AV	5350.000	-65.96	≤-44.54	3.12	0.22	32.58	≤54	PASS
				AV	5459.600	-55.02	≤-44.54	3.12	0.22	43.52	≤54	PASS
				AV	5460.000	-56.34	≤-44.54	3.12	0.22	42.20	≤54	PASS
				Peak	5350.000	-57.82	≤-30.12	3.12	0.00	40.50	≤68.2	PASS
				Peak	5459.810	-38.29	≤-30.12	3.12	0.00	60.03	≤68.2	PASS
				Peak	5460.000	-38.38	≤-30.12	3.12	0.00	59.94	≤68.2	PASS
		High	5700	AV	5725.000	-45.81	≤-44.54	3.12	0.22	52.73	≤54	PASS
				AV	5725.340	-45.72	≤-44.54	3.12	0.22	52.82	≤54	PASS
				AV	5735.000	-53.4	≤-44.54	3.12	0.22	45.14	≤54	PASS
				Peak	5725.000	-33.19	≤-30.12	3.12	0.00	65.13	≤68.2	PASS
				Peak	5728.950	-33.64	≤-30.12	3.12	0.00	64.68	≤68.2	PASS
				Peak	5735.000	-42.5	≤-30.12	3.12	0.00	55.82	≤68.2	PASS
11N40SISO	Ant1	Low	5510	AV	5350.000	-66.03	≤-44.74	3.12	0.42	32.71	≤54	PASS
				AV	5459.940	-46.88	≤-44.74	3.12	0.42	51.86	≤54	PASS
				AV	5460.000	-46.88	≤-44.74	3.12	0.42	51.86	≤54	PASS
				Peak	5350.000	-57.76	≤-30.12	3.12	0.00	40.56	≤68.2	PASS
				Peak	5459.720	-35.34	≤-30.12	3.12	0.00	62.98	≤68.2	PASS
				Peak	5460.000	-39.62	≤-30.12	3.12	0.00	58.70	≤68.2	PASS
		High	5670	AV	5725.000	-50.06	≤-44.81	3.12	0.49	48.75	≤54	PASS
				AV	5727.280	-49.09	≤-44.81	3.12	0.49	49.72	≤54	PASS
				AV	5735.000	-54.44	≤-44.81	3.12	0.49	44.37	≤54	PASS
				Peak	5725.000	-39.56	≤-30.12	3.12	0.00	58.76	≤68.2	PASS

				Peak	5727.510	-35.97	≤-30.12	3.12	0.00	62.35	≤68.2	PASS
				Peak	5735.000	-41	≤-30.12	3.12	0.00	57.32	≤68.2	PASS
11AC20SISO	Ant1	Low	5500	AV	5350.000	-66.44	≤-44.57	3.12	0.25	32.13	≤54	PASS
				AV	5459.390	-55.09	≤-44.57	3.12	0.25	43.48	≤54	PASS
				AV	5460.000	-55.28	≤-44.57	3.12	0.25	43.29	≤54	PASS
				Peak	5350.000	-57.73	≤-30.12	3.12	0.00	40.59	≤68.2	PASS
				Peak	5458.550	-42.78	≤-30.12	3.12	0.00	55.54	≤68.2	PASS
				Peak	5460.000	-44.67	≤-30.12	3.12	0.00	53.65	≤68.2	PASS
		High	5700	AV	5725.000	-46.19	≤-44.53	3.12	0.21	52.34	≤54	PASS
				AV	5725.340	-45.9	≤-44.53	3.12	0.21	52.63	≤54	PASS
				AV	5735.000	-53.17	≤-44.53	3.12	0.21	45.36	≤54	PASS
				Peak	5725.000	-33.28	≤-30.12	3.12	0.00	65.04	≤68.2	PASS
				Peak	5725.910	-32.41	≤-30.12	3.12	0.00	65.91	≤68.2	PASS
				Peak	5735.000	-40.13	≤-30.12	3.12	0.00	58.19	≤68.2	PASS
11AC40SISO	Ant1	Low	5510	AV	5350.000	-66.45	≤-44.74	3.12	0.42	32.29	≤54	PASS
				AV	5458.840	-46.54	≤-44.74	3.12	0.42	52.20	≤54	PASS
				AV	5460.000	-47.45	≤-44.74	3.12	0.42	51.29	≤54	PASS
				Peak	5350.000	-57.79	≤-30.12	3.12	0.00	40.53	≤68.2	PASS
				Peak	5456.200	-33.56	≤-30.12	3.12	0.00	64.76	≤68.2	PASS
				Peak	5460.000	-36.66	≤-30.12	3.12	0.00	61.66	≤68.2	PASS
		High	5670	AV	5725.000	-47.99	≤-44.74	3.12	0.42	50.75	≤54	PASS
				AV	5727.280	-48.06	≤-44.74	3.12	0.42	50.68	≤54	PASS
				AV	5735.000	-54.94	≤-44.74	3.12	0.42	43.80	≤54	PASS
				Peak	5725.000	-36.99	≤-30.12	3.12	0.00	61.33	≤68.2	PASS
				Peak	5726.130	-36.3	≤-30.12	3.12	0.00	62.02	≤68.2	PASS
				Peak	5735.000	-42.31	≤-30.12	3.12	0.00	56.01	≤68.2	PASS
11AX20SISO	Ant1	Low	5500	AV	5350.000	-66.41	≤-44.54	3.12	0.22	32.13	≤54	PASS
				AV	5459.390	-55.76	≤-44.54	3.12	0.22	42.78	≤54	PASS
				AV	5460.000	-55.72	≤-44.54	3.12	0.22	42.82	≤54	PASS
				Peak	5350.000	-58.41	≤-30.12	3.12	0.00	39.91	≤68.2	PASS
				Peak	5457.080	-41.75	≤-30.12	3.12	0.00	56.57	≤68.2	PASS
				Peak	5460.000	-43.92	≤-30.12	3.12	0.00	54.40	≤68.2	PASS
		High	5700	AV	5725.000	-46.35	≤-44.53	3.12	0.21	52.18	≤54	PASS
				AV	5725.340	-45.98	≤-44.53	3.12	0.21	52.55	≤54	PASS
				AV	5735.000	-53	≤-44.53	3.12	0.21	45.53	≤54	PASS
				Peak	5725.000	-33.57	≤-30.12	3.12	0.00	64.75	≤68.2	PASS
				Peak	5725.150	-31.74	≤-30.12	3.12	0.00	66.58	≤68.2	PASS
				Peak	5735.000	-40.11	≤-30.12	3.12	0.00	58.21	≤68.2	PASS
11AX40SISO	Ant1	Low	5510	AV	5350.000	-66.45	≤-44.74	3.12	0.42	32.29	≤54	PASS
				AV	5458.840	-46.64	≤-44.74	3.12	0.42	52.10	≤54	PASS
				AV	5460.000	-47.67	≤-44.74	3.12	0.42	51.07	≤54	PASS

				Peak	5350.000	-57.34	≤ -30.12	3.12	0.00	40.98	≤ 68.2	PASS
				Peak	5456.860	-33.35	≤ -30.12	3.12	0.00	64.97	≤ 68.2	PASS
				Peak	5460.000	-37.5	≤ -30.12	3.12	0.00	60.82	≤ 68.2	PASS
		High	5670	AV	5725.000	-50.15	≤ -44.74	3.12	0.42	48.59	≤ 54	PASS
				AV	5727.280	-49.37	≤ -44.74	3.12	0.42	49.37	≤ 54	PASS
				AV	5735.000	-53.62	≤ -44.74	3.12	0.42	45.12	≤ 54	PASS
				Peak	5725.000	-38.59	≤ -30.12	3.12	0.00	59.73	≤ 68.2	PASS
				Peak	5726.130	-36.54	≤ -30.12	3.12	0.00	61.78	≤ 68.2	PASS
				Peak	5735.000	-42.95	≤ -30.12	3.12	0.00	55.37	≤ 68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

Test Graphs

