

Appendix E

RF Test Data for 5.3GWIFI (Conducted Measurement)

Tablet

Test Model: i101AC

Environmental Conditions

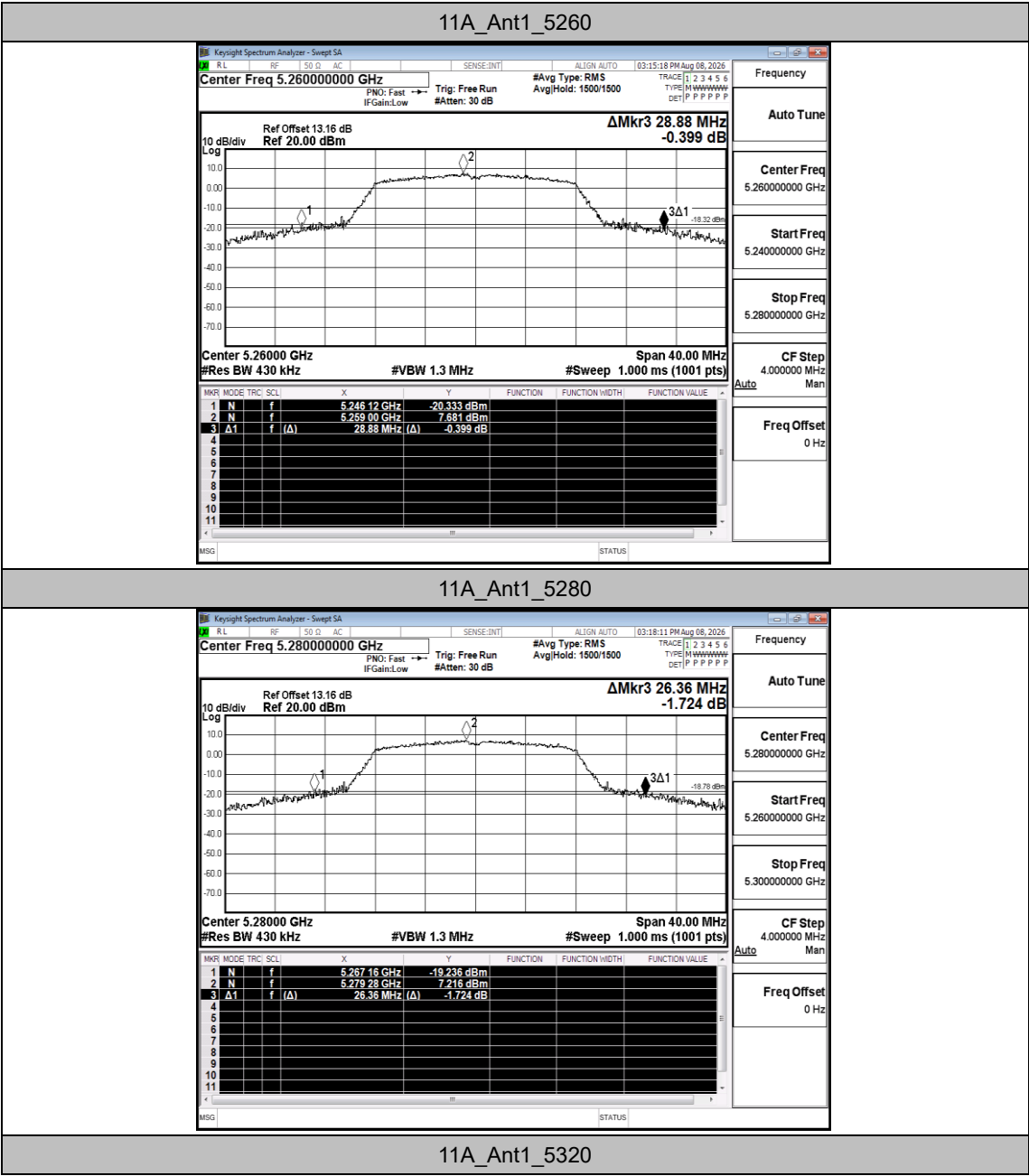
Temperature:	24.6° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

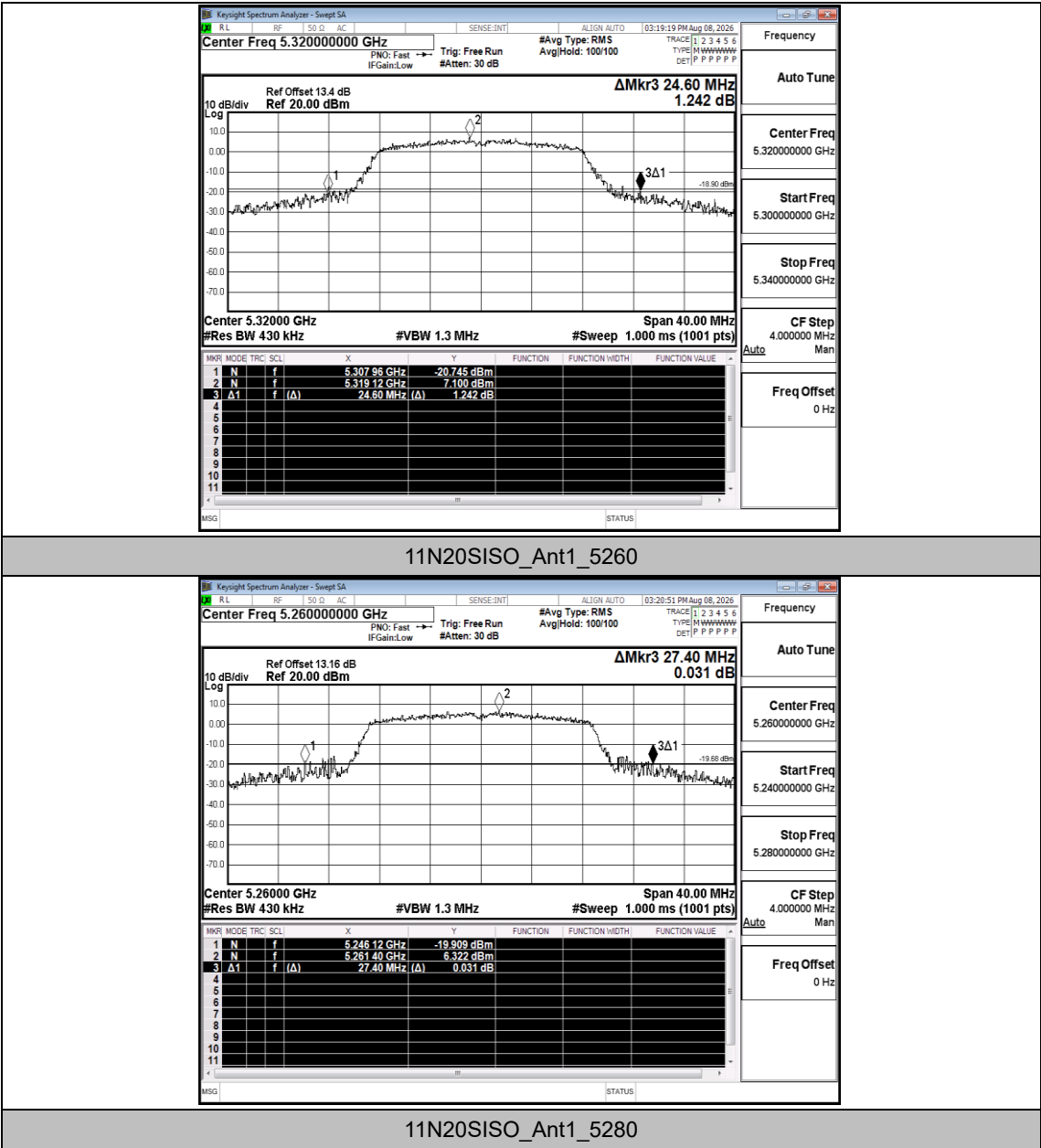
E.1 Emission Bandwidth

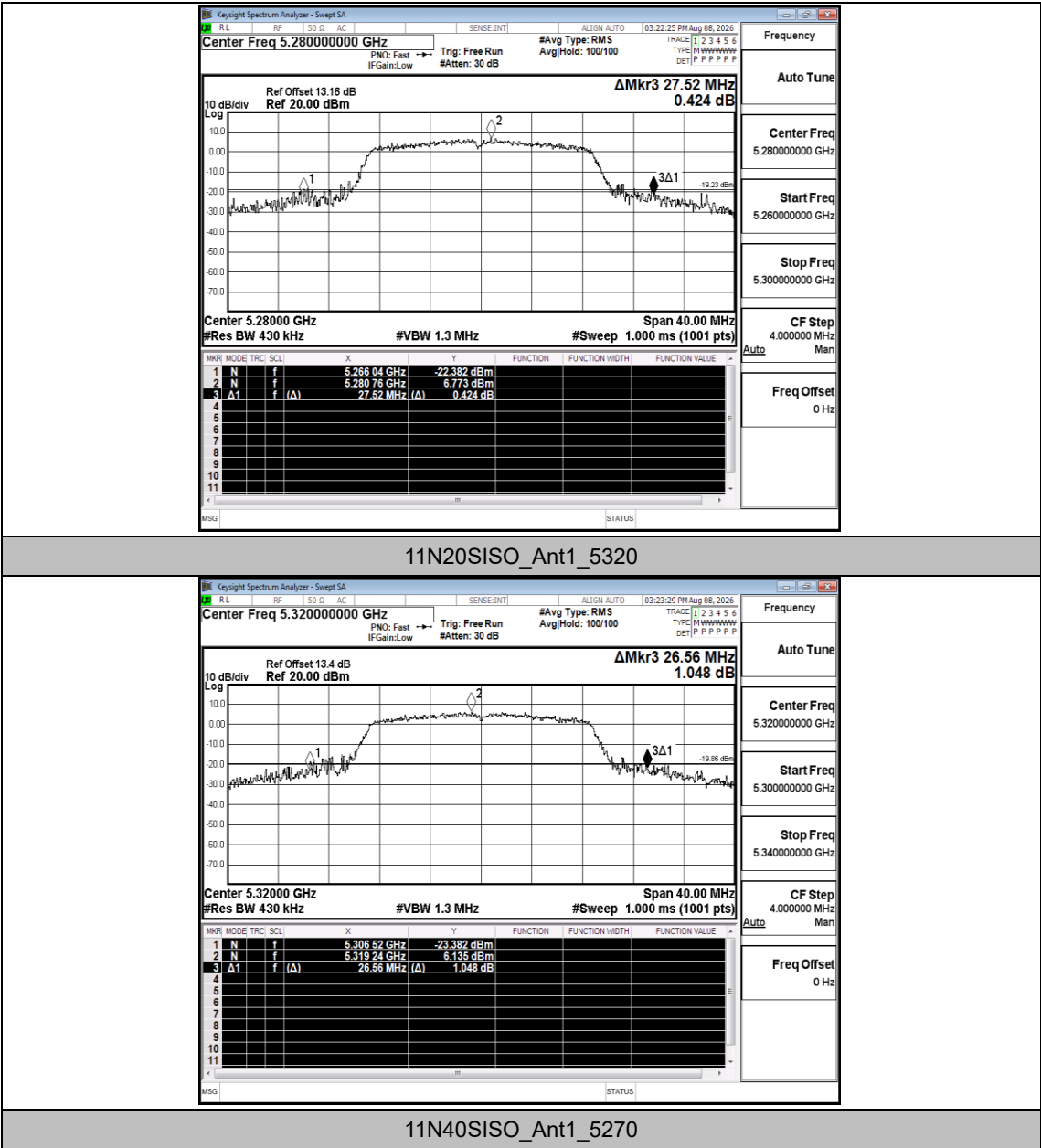
Test Result

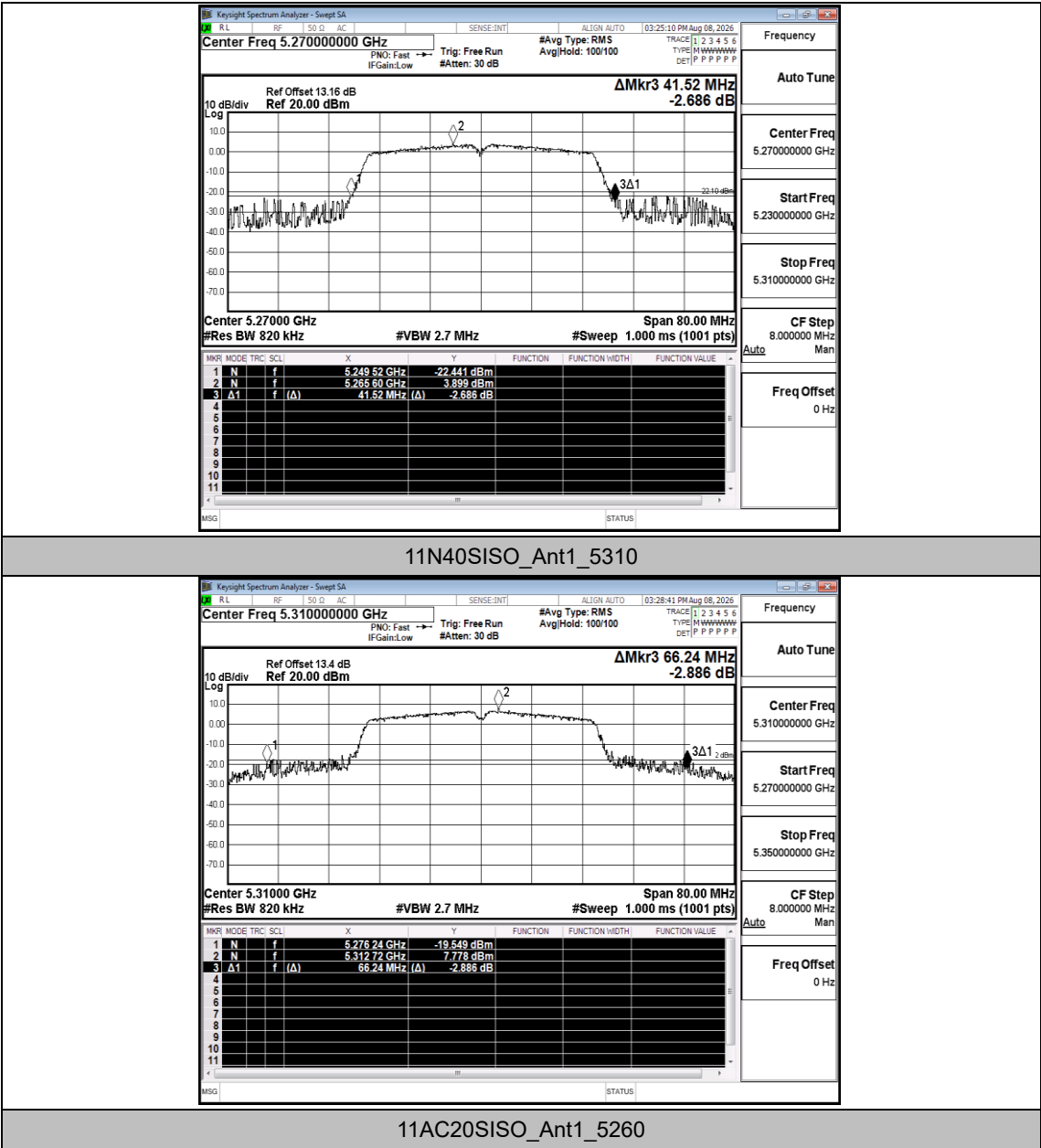
TestMode	Antenna	Freq (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5260	28.880	5246.120	5275.000	---	---
		5280	26.360	5267.160	5293.520	---	---
		5320	24.600	5307.960	5332.560	---	---
11N20SISO	Ant1	5260	27.400	5246.120	5273.520	---	---
		5280	27.520	5266.040	5293.560	---	---
		5320	26.560	5306.520	5333.080	---	---
11N40SISO	Ant1	5270	41.520	5249.520	5291.040	---	---
		5310	66.240	5276.240	5342.480	---	---
11AC20SISO	Ant1	5260	23.600	5246.800	5270.400	---	---
		5280	20.800	5269.720	5290.520	---	---
		5320	28.920	5305.000	5333.920	---	---
11AC40SISO	Ant1	5270	41.200	5249.600	5290.800	---	---
		5310	52.640	5280.400	5333.040	---	---
11AX20SISO	Ant1	5260	20.680	5249.680	5270.360	---	---
		5280	20.520	5269.720	5290.240	---	---
		5320	20.600	5309.680	5330.280	---	---
11AX40SISO	Ant1	5270	40.960	5249.600	5290.560	---	---
		5310	41.200	5289.280	5330.480	---	---

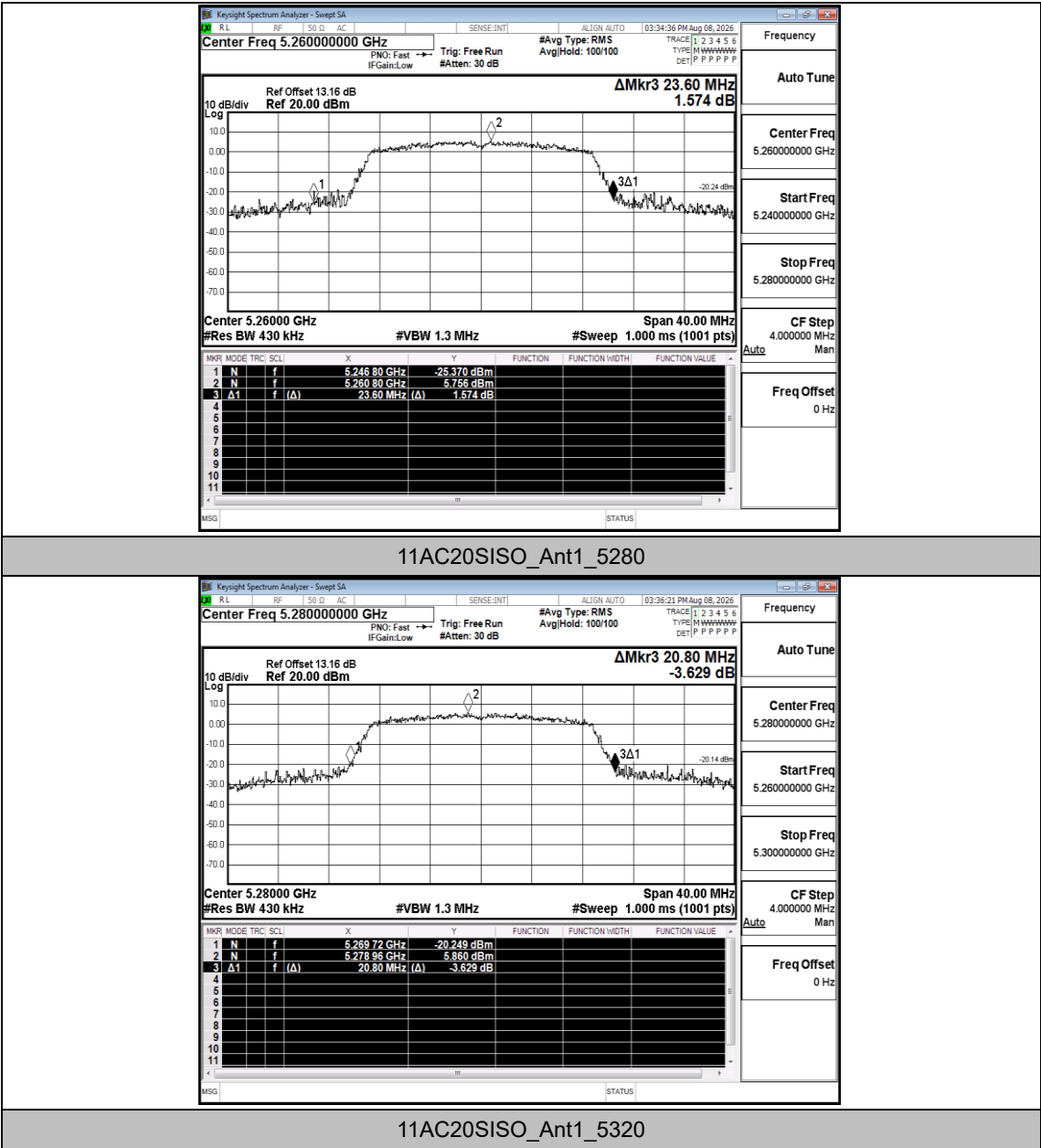
Test Graphs

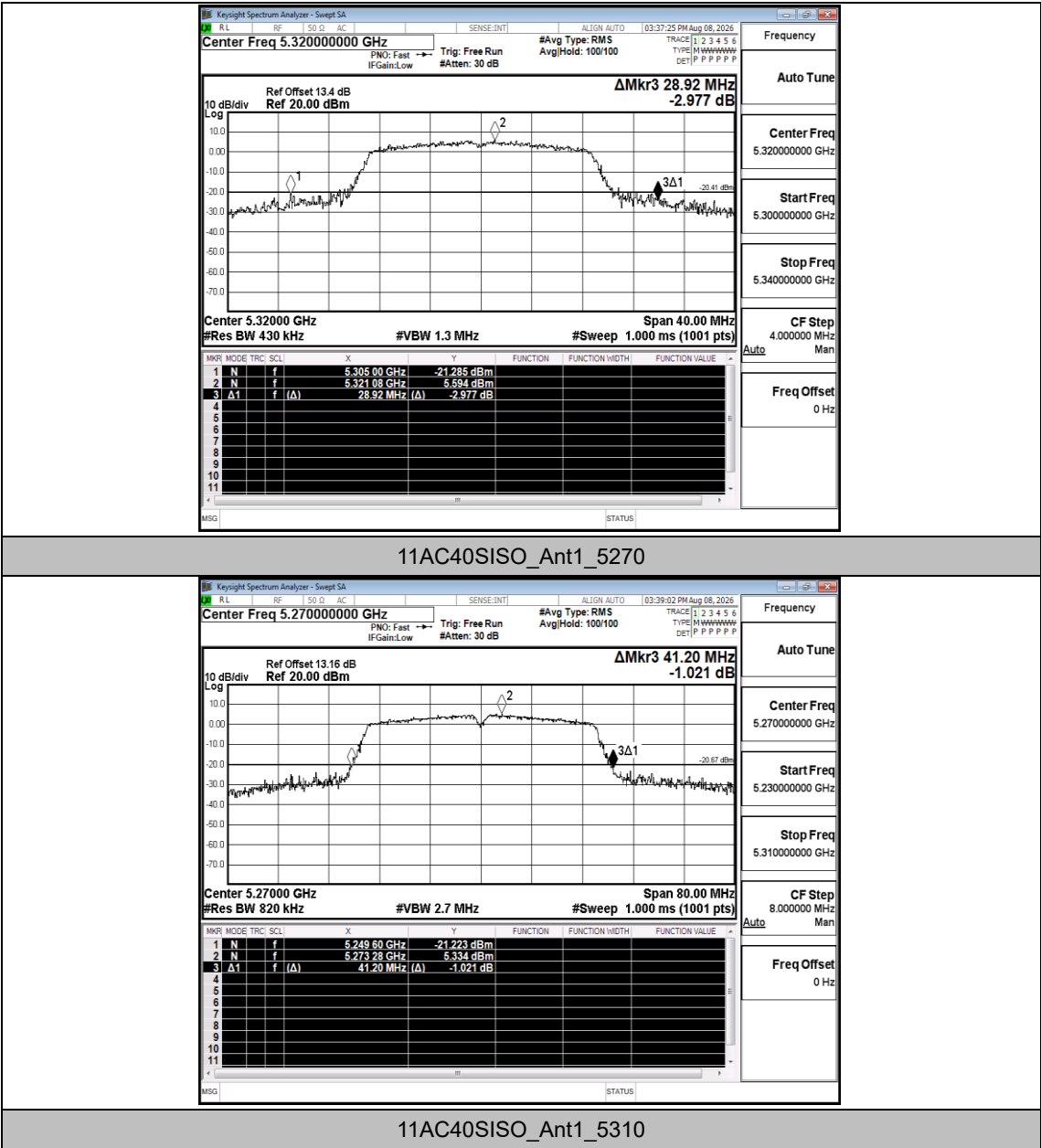


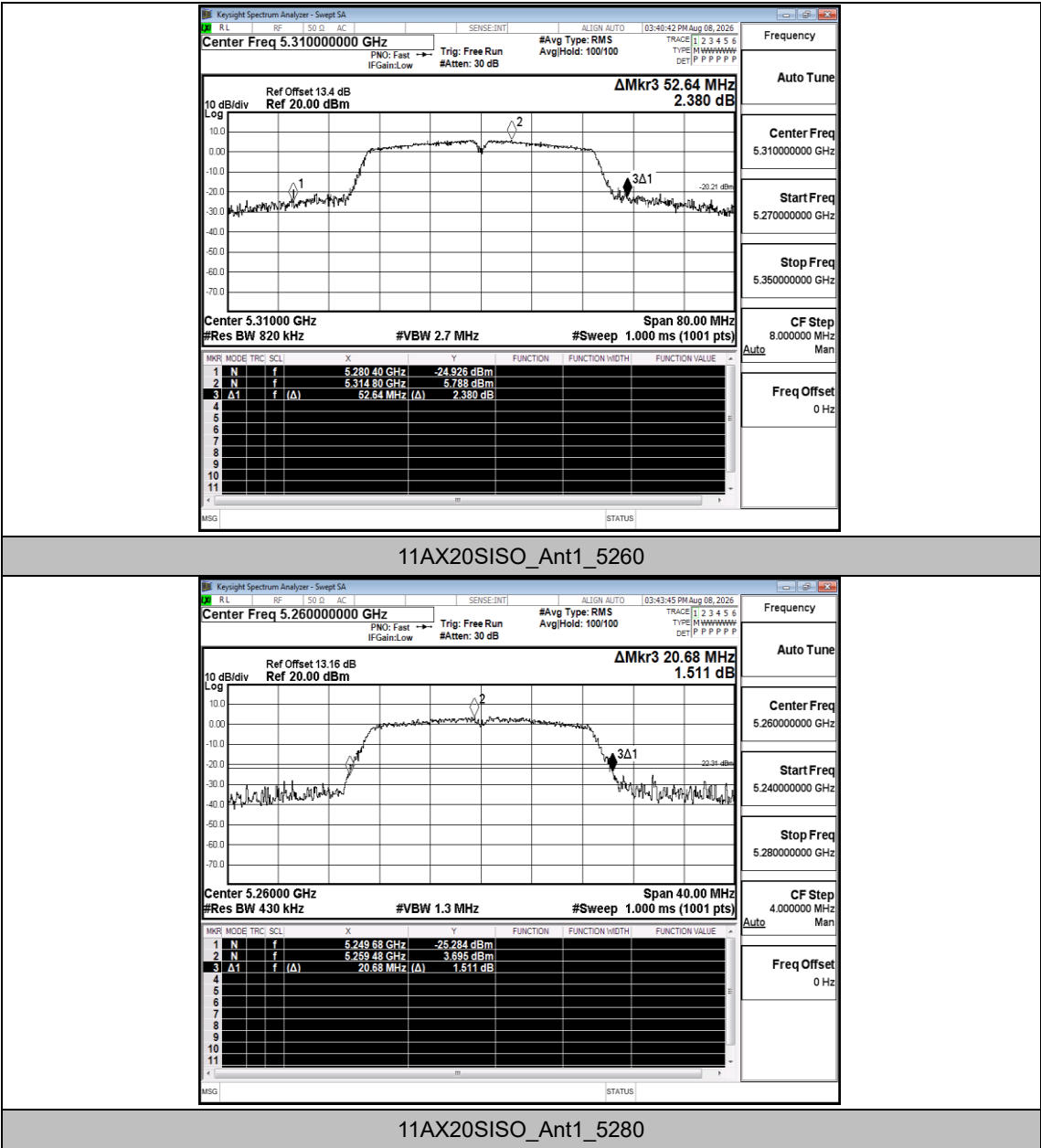


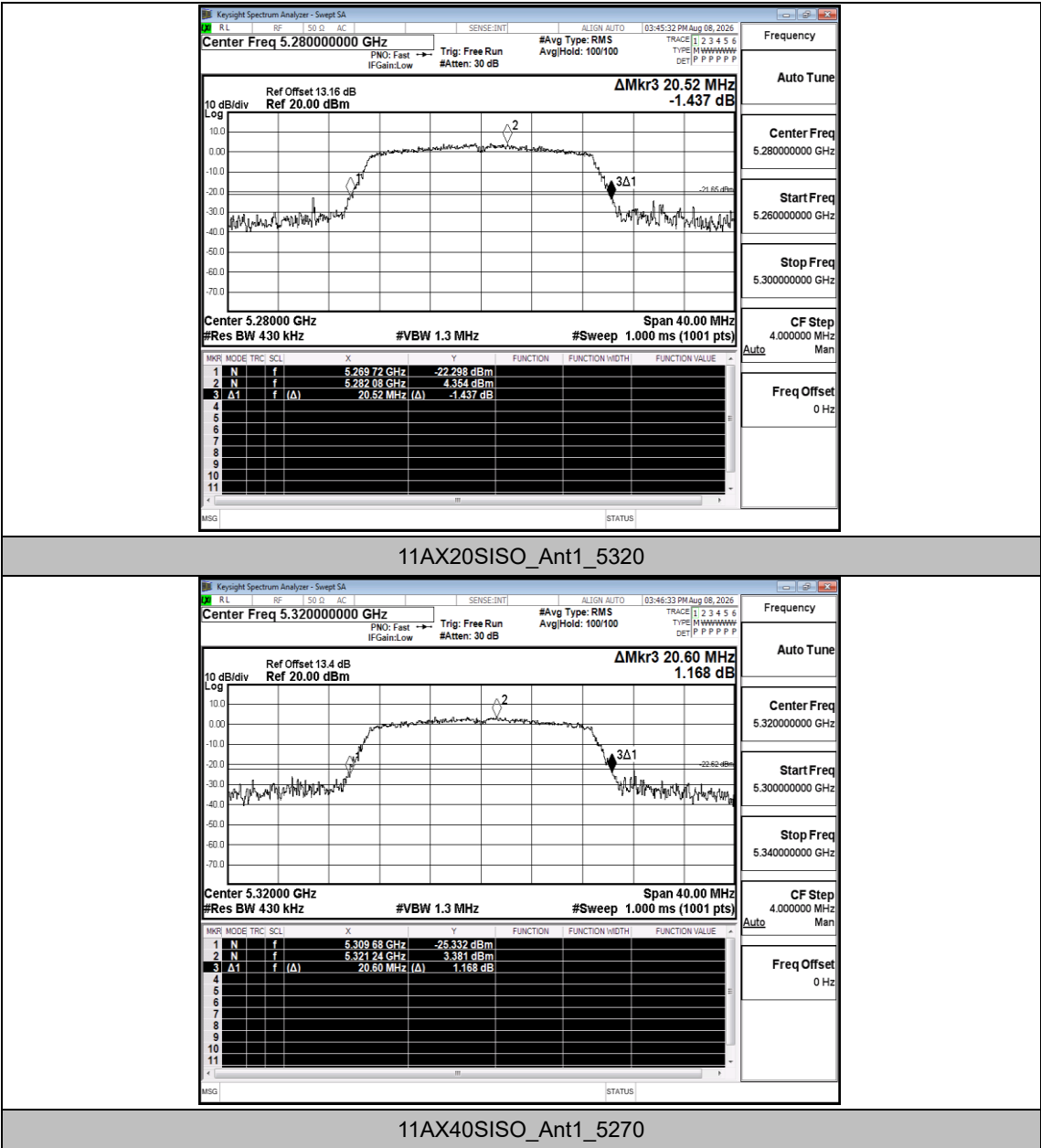


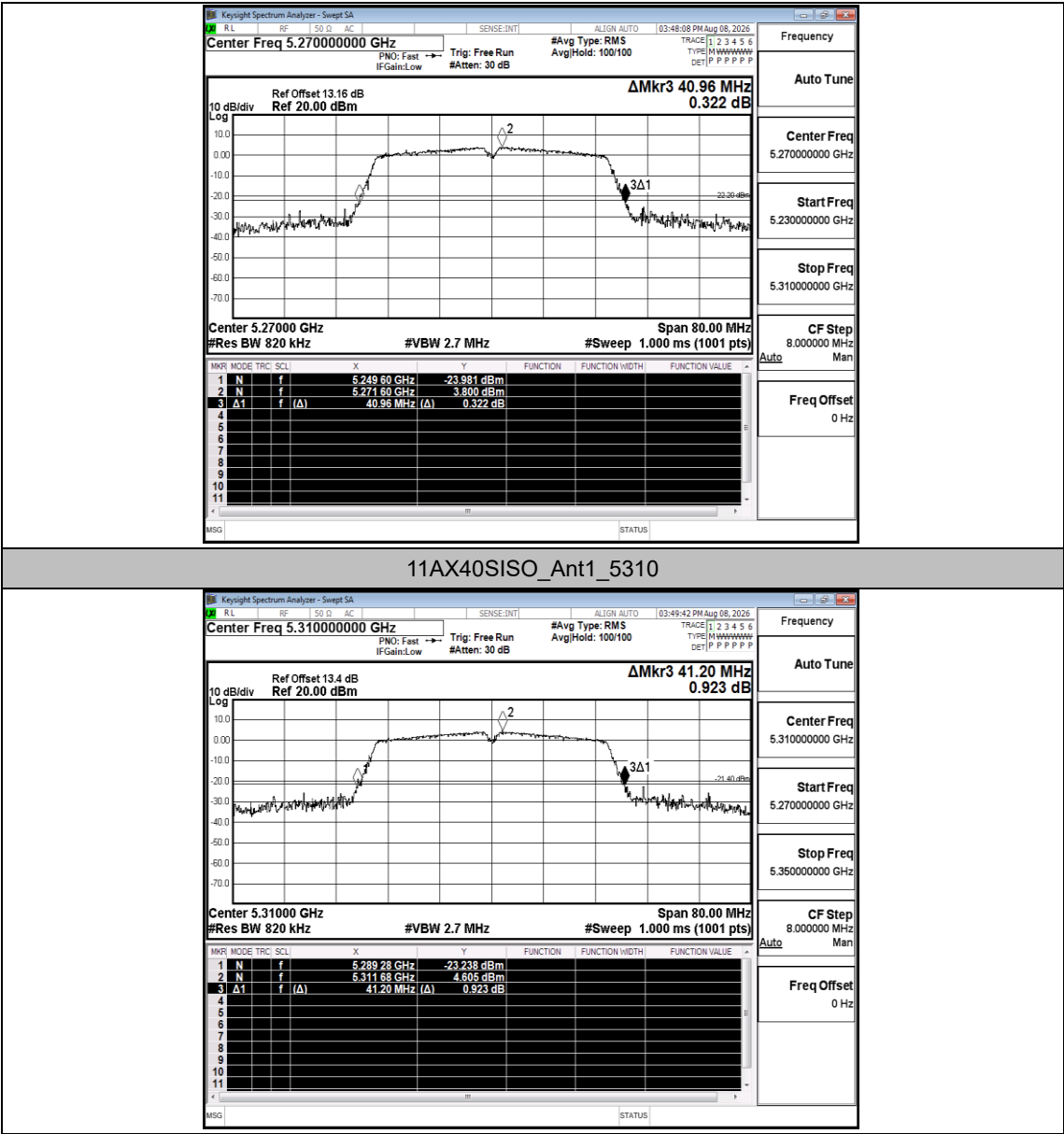












E.2 Maximum conducted output power

Test Result Channel Power

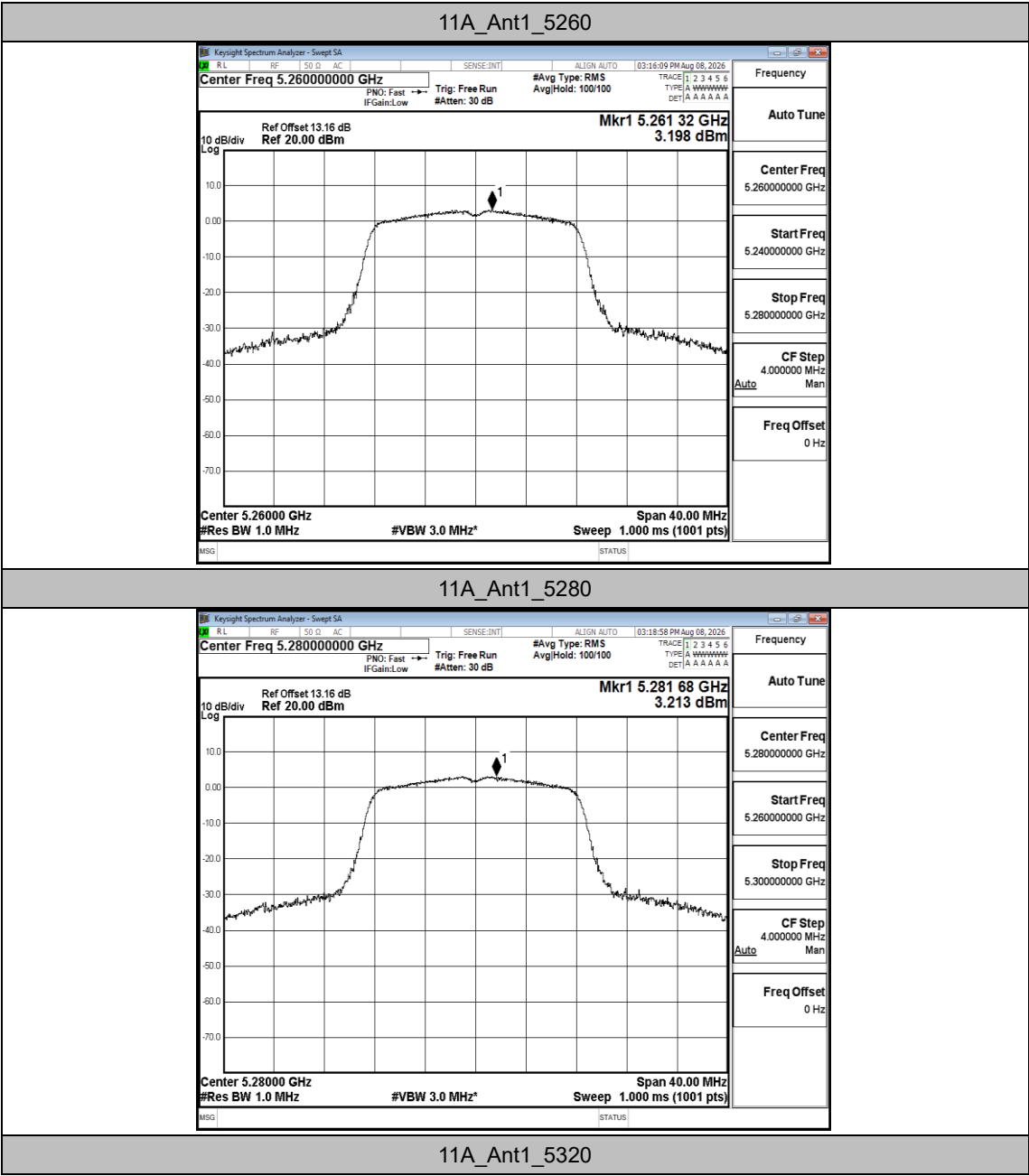
TestMode	Antenna	Freq (MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	NA	15.21	0.15	15.36	≤23.98	PASS
		5280	NA	15.15	0.15	15.30	≤23.98	PASS
		5320	NA	14.83	0.15	14.98	≤23.98	PASS
11N20SISO	Ant1	5260	NA	15.17	0.13	15.30	≤23.98	PASS
		5280	NA	14.99	0.13	15.12	≤23.98	PASS
		5320	NA	14.66	0.13	14.79	≤23.98	PASS
11N40SISO	Ant1	5270	NA	15.23	0.32	15.55	≤23.98	PASS
		5310	NA	14.96	0.26	15.22	≤23.98	PASS
11AC20SISO	Ant1	5260	NA	14.71	0.16	14.87	≤23.98	PASS
		5280	NA	14.61	0.16	14.77	≤23.98	PASS
		5320	NA	14.46	0.16	14.62	≤23.98	PASS
11AC40SISO	Ant1	5270	NA	13.46	0.32	13.78	≤23.98	PASS
		5310	NA	14.11	0.32	14.43	≤23.98	PASS
11AX20SISO	Ant1	5260	NA	12.68	0.16	12.84	≤23.98	PASS
		5280	NA	12.58	0.16	12.74	≤23.98	PASS
		5320	NA	12.48	0.13	12.61	≤23.98	PASS
11AX40SISO	Ant1	5270	NA	12.60	0.26	12.86	≤23.98	PASS
		5310	NA	12.32	0.26	12.58	≤23.98	PASS

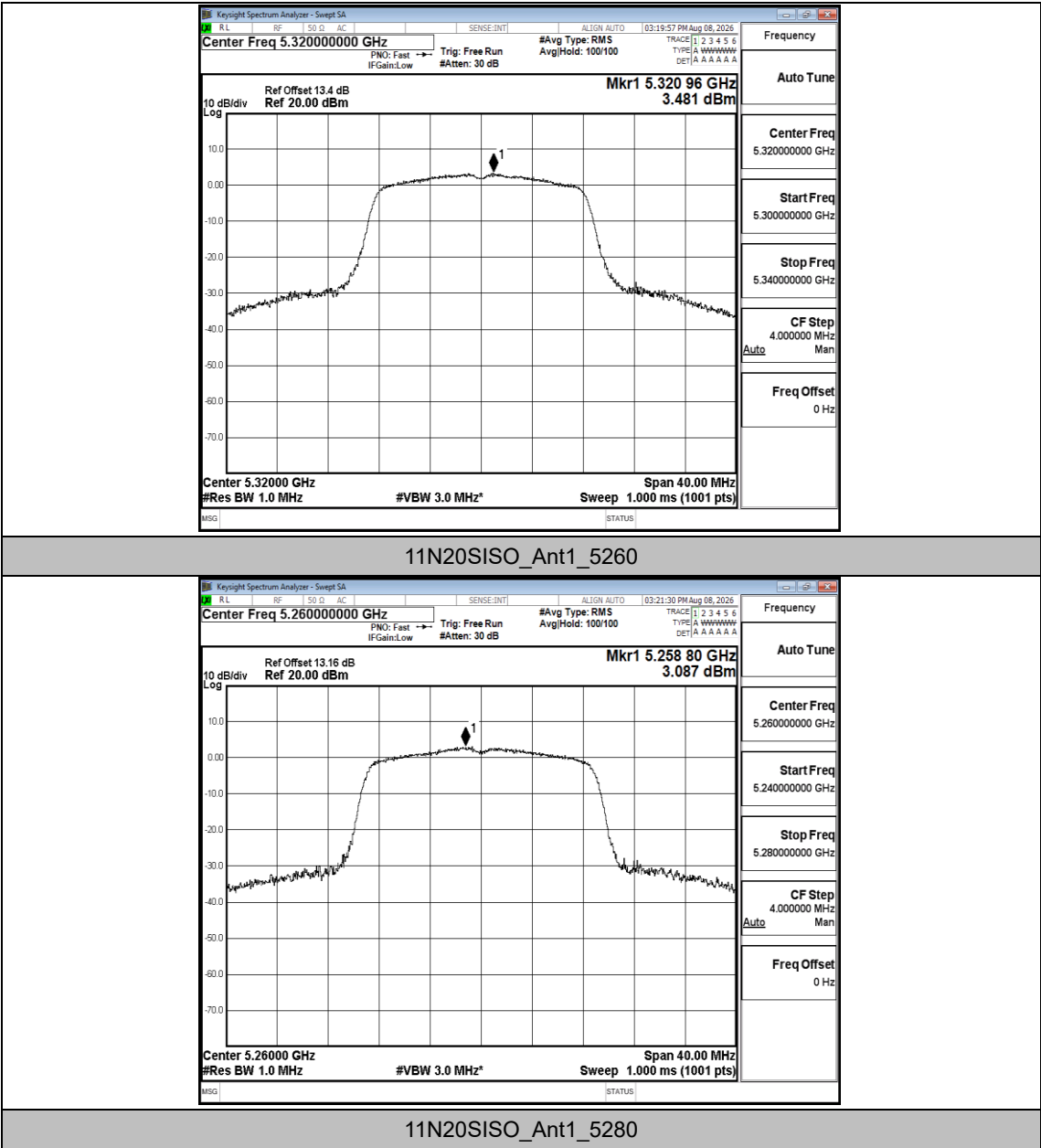
E.3 Maximum power spectral density

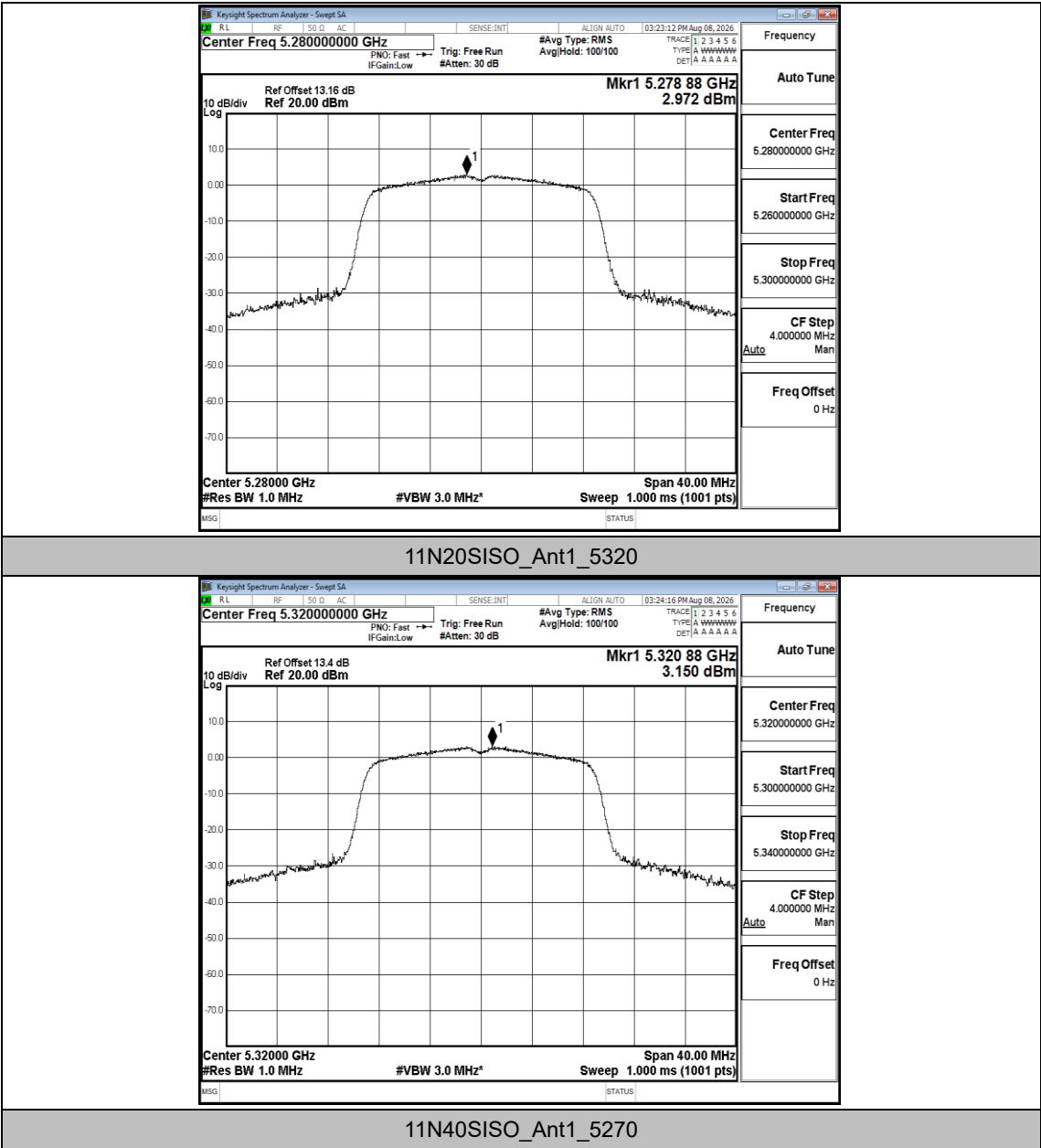
Test Result

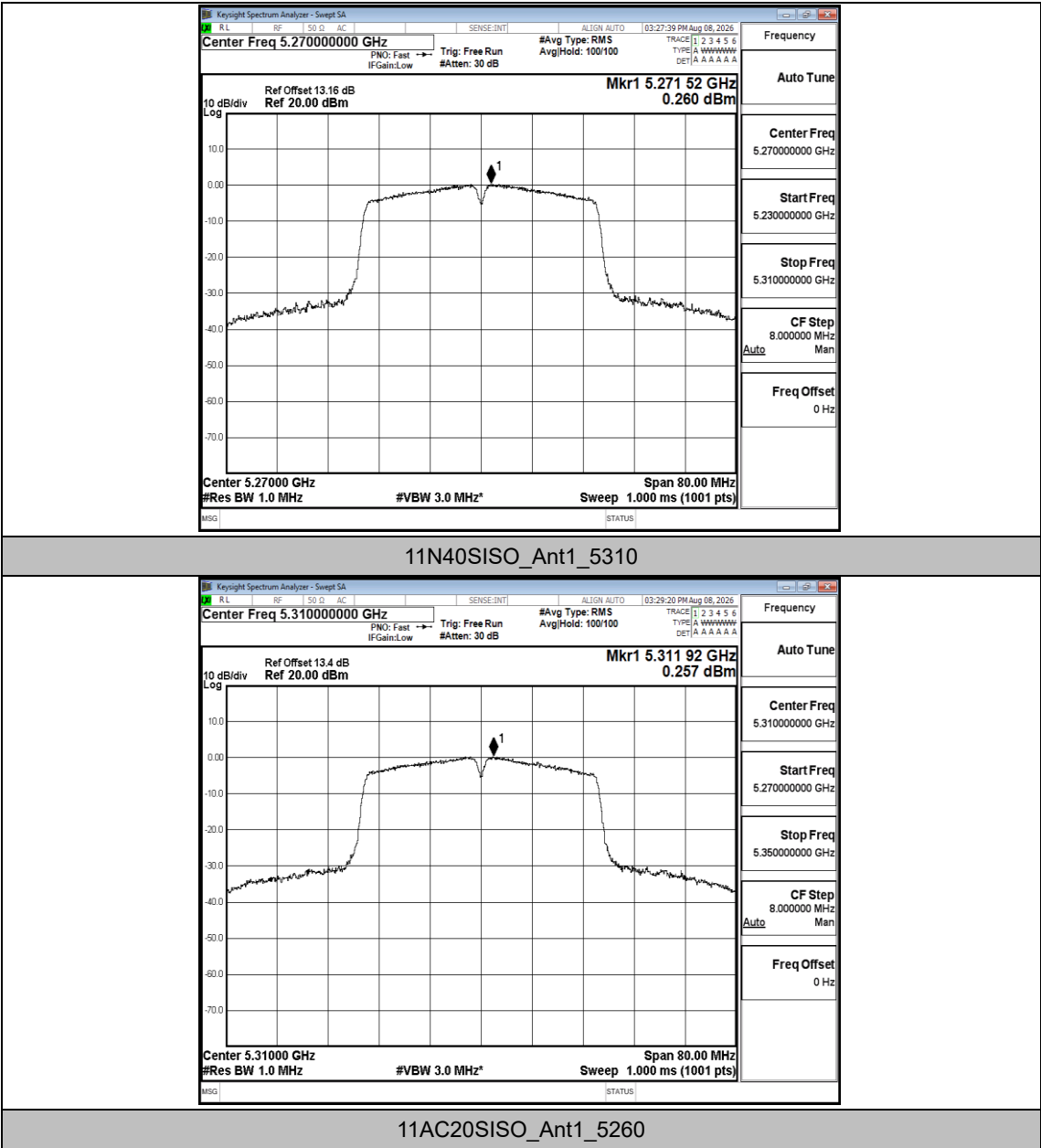
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5260	3.2	0.15	3.35	≤11.00	PASS
		5280	3.21	0.15	3.36	≤11.00	PASS
		5320	3.48	0.15	3.63	≤11.00	PASS
11N20SISO	Ant1	5260	3.09	0.13	3.22	≤11.00	PASS
		5280	2.97	0.13	3.10	≤11.00	PASS
		5320	3.15	0.13	3.28	≤11.00	PASS
11N40SISO	Ant1	5270	0.26	0.32	0.58	≤11.00	PASS
		5310	0.26	0.26	0.52	≤11.00	PASS
11AC20SISO	Ant1	5260	2.37	0.16	2.53	≤11.00	PASS
		5280	2.57	0.16	2.73	≤11.00	PASS
		5320	2.7	0.16	2.86	≤11.00	PASS
11AC40SISO	Ant1	5270	-1.4	0.32	-1.08	≤11.00	PASS
		5310	-0.46	0.32	-0.14	≤11.00	PASS
11AX20SISO	Ant1	5260	0.45	0.16	0.61	≤11.00	PASS
		5280	0.58	0.16	0.74	≤11.00	PASS
		5320	0.63	0.13	0.76	≤11.00	PASS
11AX40SISO	Ant1	5270	-2.35	0.26	-2.09	≤11.00	PASS
		5310	-2.35	0.26	-2.09	≤11.00	PASS

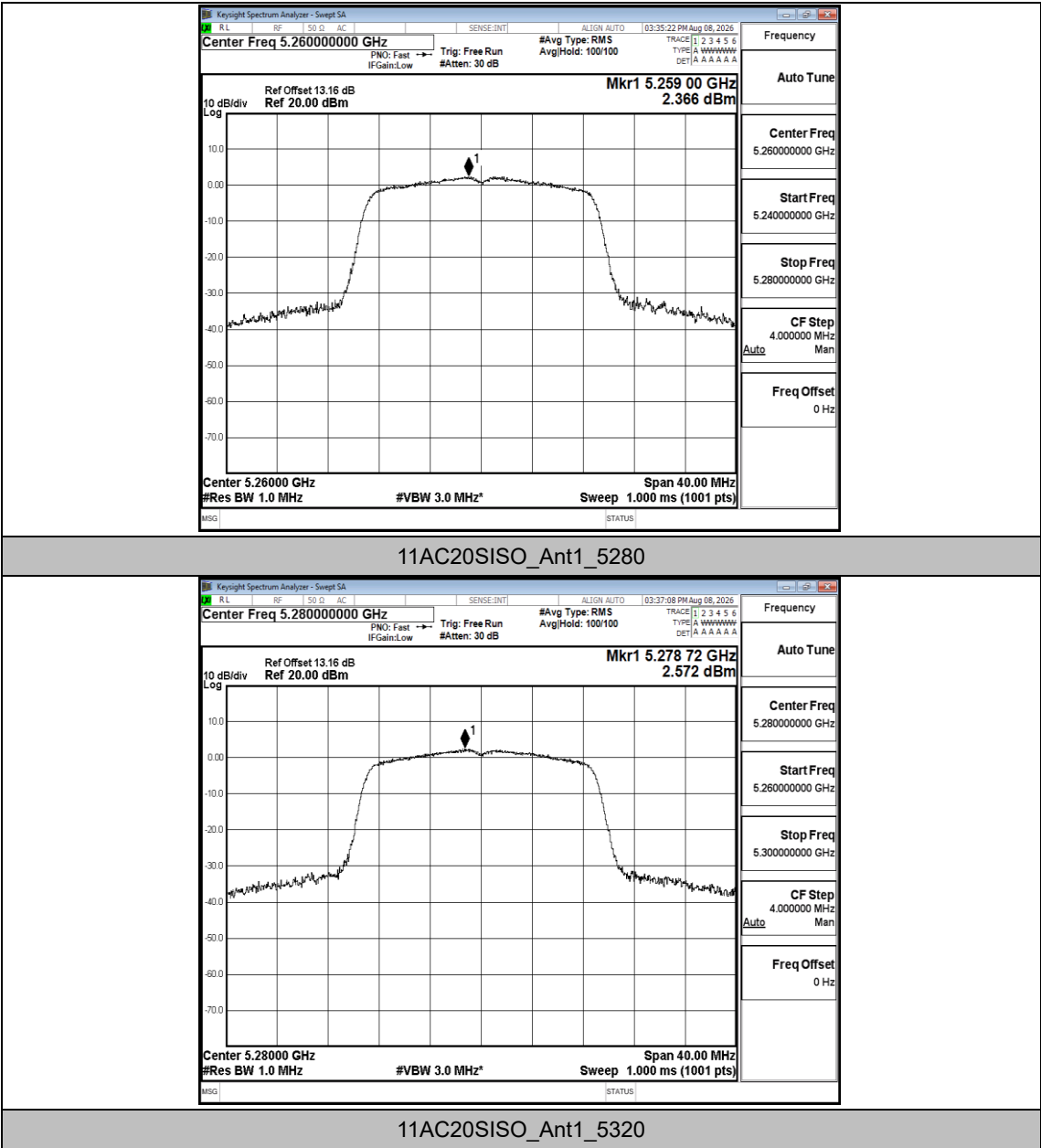
Test Graphs

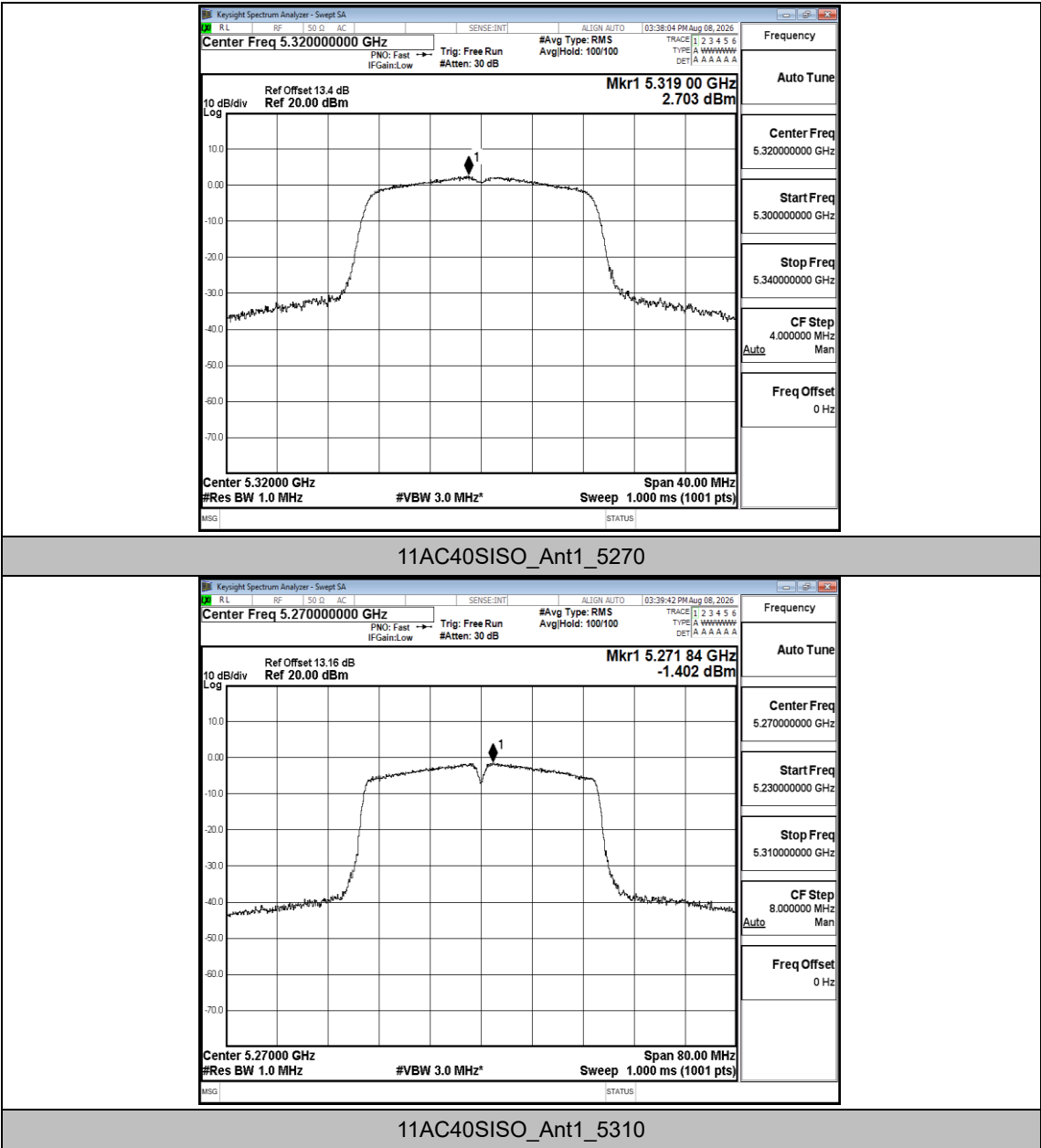


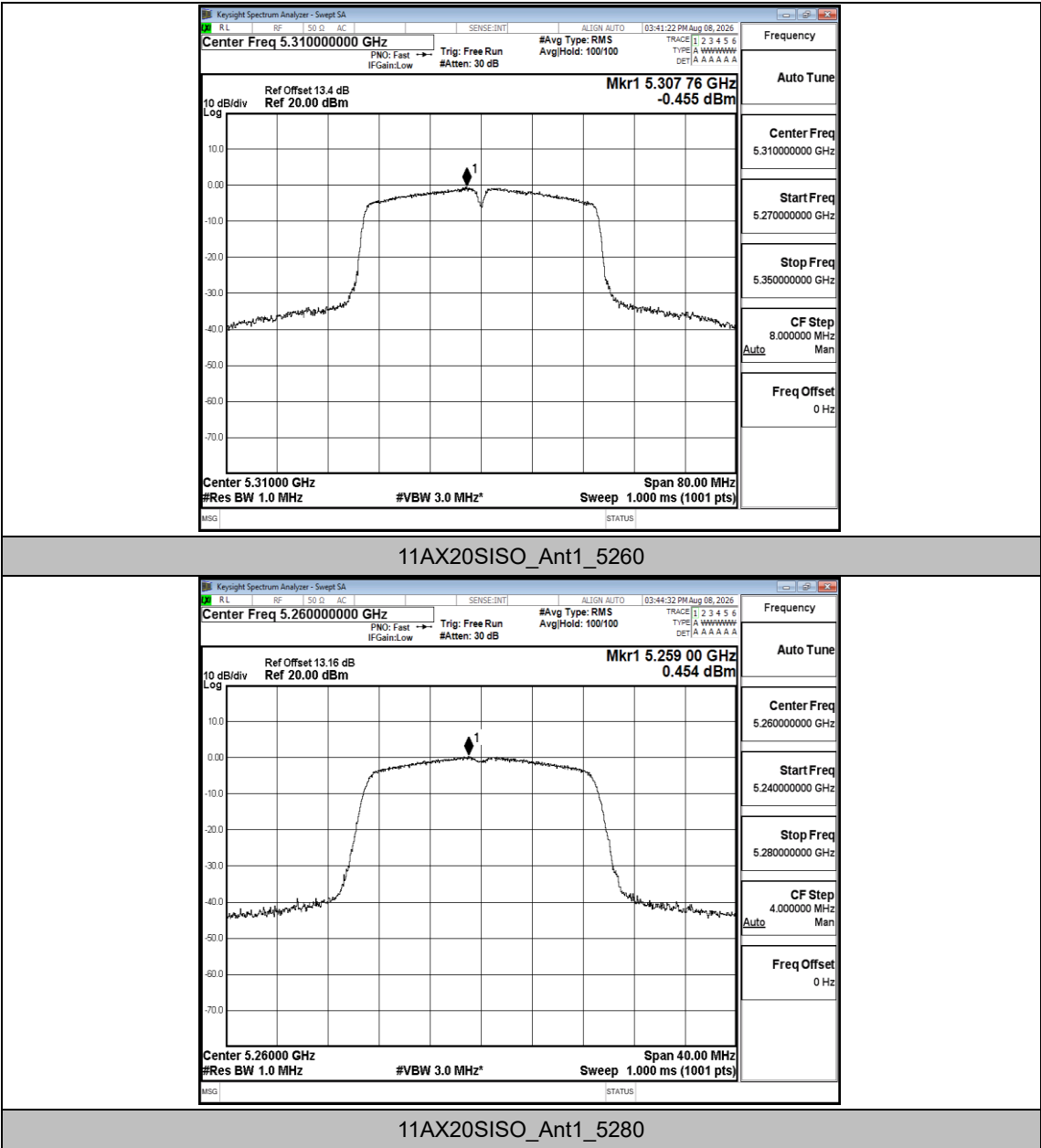


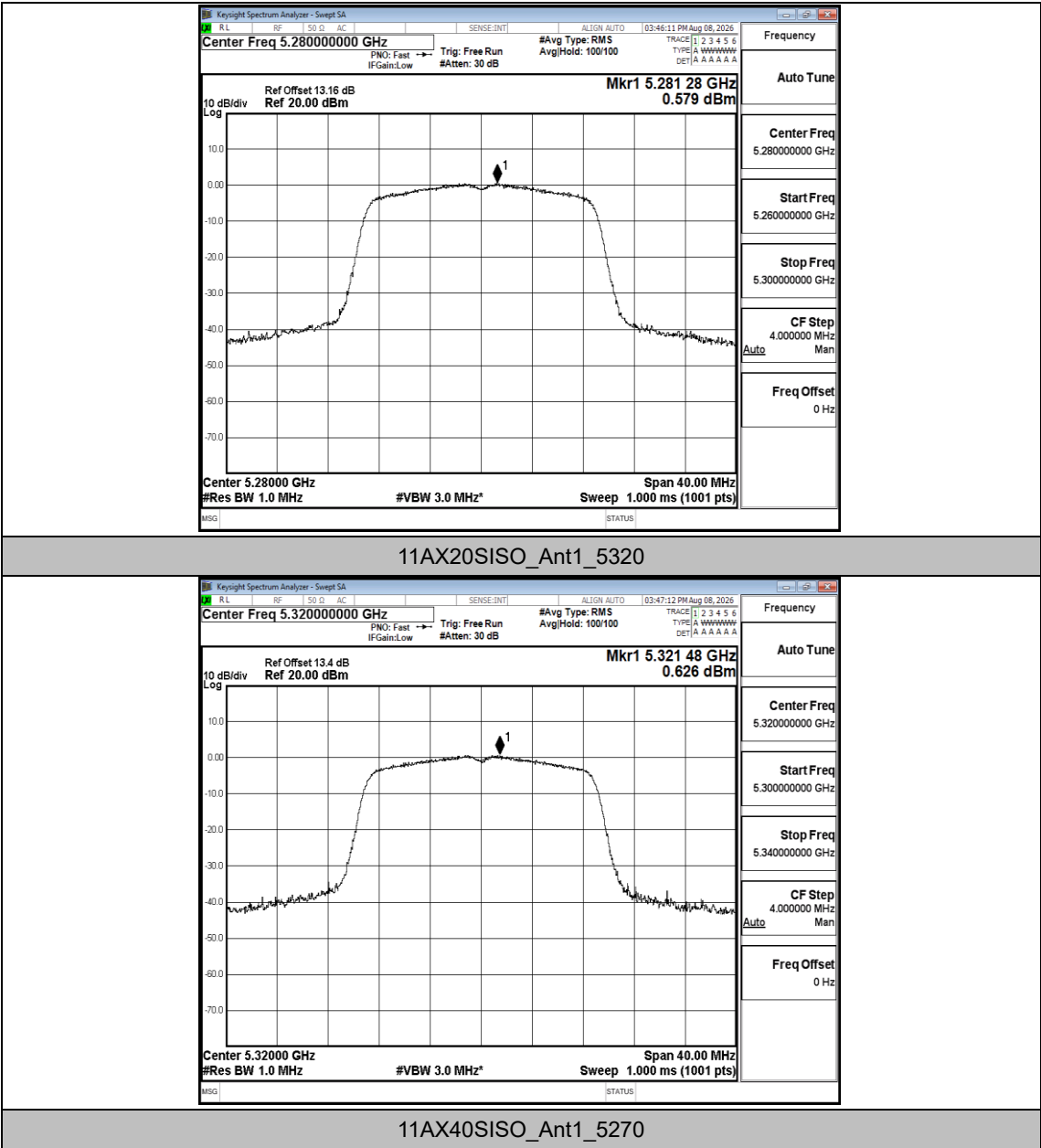


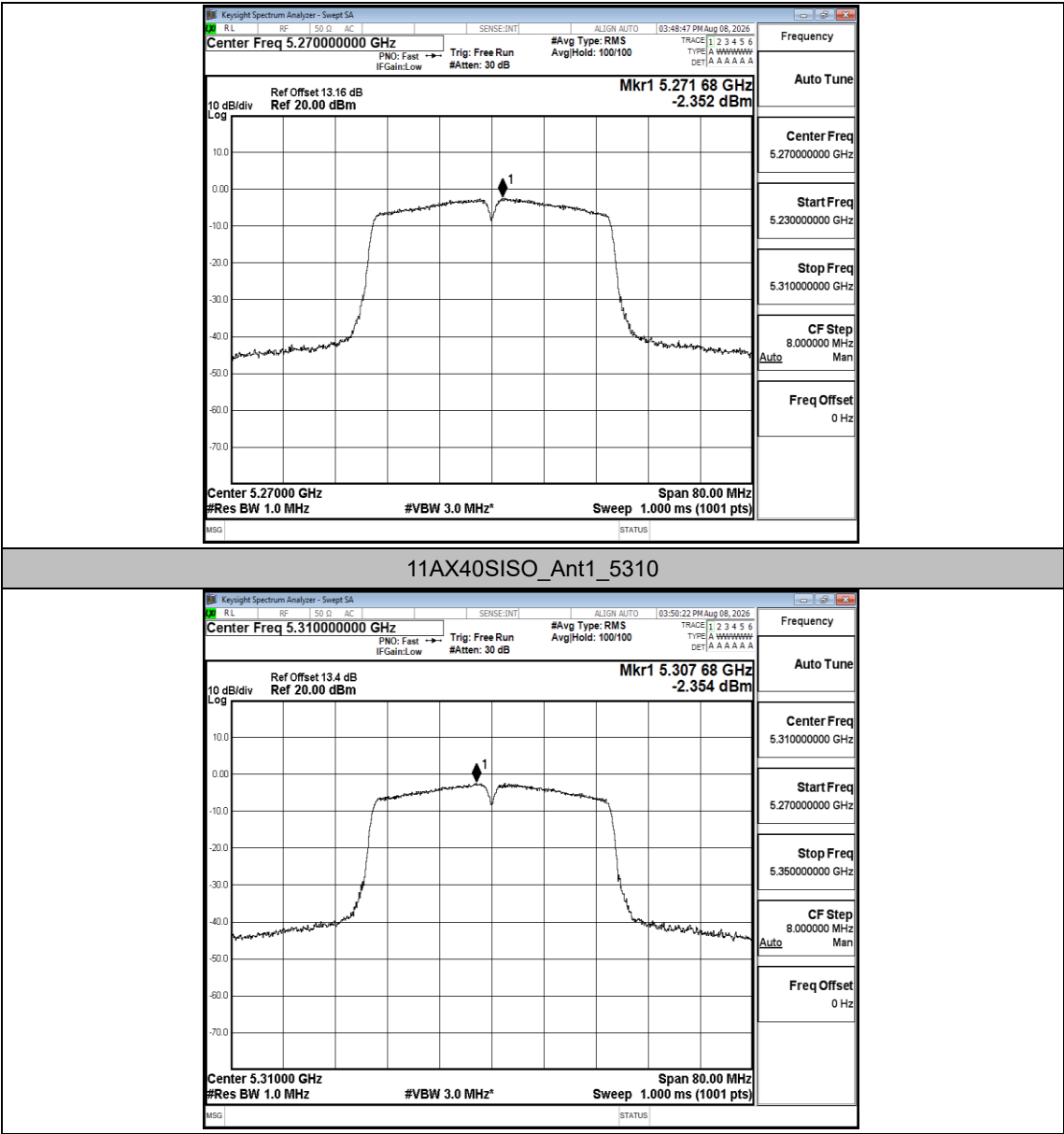












E.4 Emissions in Restricted Bands

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	5260	AV	4500.000	-62.43	≤-44.47	3.12	0.15	36.04	≤54	PASS
				AV	5137.530	-57.6	≤-44.47	3.12	0.15	40.87	≤54	PASS
				AV	5150.000	-57.88	≤-44.47	3.12	0.15	40.59	≤54	PASS
				Peak	4500.000	-53.09	≤-30.12	3.12	0.00	45.23	≤68.2	PASS
				Peak	5138.320	-47.35	≤-30.12	3.12	0.00	50.97	≤68.2	PASS
				Peak	5150.000	-48.89	≤-30.12	3.12	0.00	49.43	≤68.2	PASS
		High	5320	AV	5350.000	-47.67	≤-44.47	3.12	0.15	50.80	≤54	PASS
				AV	5350.240	-46.7	≤-44.47	3.12	0.15	51.77	≤54	PASS
				AV	5460.000	-59.14	≤-44.47	3.12	0.15	39.33	≤54	PASS
				Peak	5350.000	-32.92	≤-30.12	3.12	0.00	65.40	≤68.2	PASS
				Peak	5350.080	-32.91	≤-30.12	3.12	0.00	65.41	≤68.2	PASS
				Peak	5460.000	-49.02	≤-30.12	3.12	0.00	49.30	≤68.2	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-62.57	≤-44.45	3.12	0.13	35.88	≤54	PASS
				AV	5147.800	-57.62	≤-44.45	3.12	0.13	40.83	≤54	PASS
				AV	5150.000	-58.29	≤-44.45	3.12	0.13	40.16	≤54	PASS
				Peak	4500.000	-52.83	≤-30.12	3.12	0.00	45.49	≤68.2	PASS
				Peak	5147.800	-46.84	≤-30.12	3.12	0.00	51.48	≤68.2	PASS
				Peak	5150.000	-47.96	≤-30.12	3.12	0.00	50.36	≤68.2	PASS
		High	5320	AV	5350.000	-45.44	≤-44.45	3.12	0.13	53.01	≤54	PASS
				AV	5350.080	-45.44	≤-44.45	3.12	0.13	53.01	≤54	PASS
				AV	5460.000	-58.9	≤-44.45	3.12	0.13	39.55	≤54	PASS
				Peak	5350.000	-32.81	≤-30.12	3.12	0.00	65.51	≤68.2	PASS
				Peak	5350.400	-31.69	≤-30.12	3.12	0.00	66.63	≤68.2	PASS
				Peak	5460.000	-49.82	≤-30.12	3.12	0.00	48.50	≤68.2	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-62.35	≤-44.64	3.12	0.32	36.29	≤54	PASS
				AV	5139.900	-57.15	≤-44.64	3.12	0.32	41.49	≤54	PASS
				AV	5150.000	-57.08	≤-44.64	3.12	0.32	41.56	≤54	PASS
				Peak	4500.000	-53.64	≤-30.12	3.12	0.00	44.68	≤68.2	PASS
				Peak	5100.400	-46.16	≤-30.12	3.12	0.00	52.16	≤68.2	PASS
				Peak	5150.000	-46.97	≤-30.12	3.12	0.00	51.35	≤68.2	PASS
		High	5310	AV	5350.000	-55.47	≤-44.58	3.12	0.26	43.11	≤54	PASS
				AV	5350.880	-55.09	≤-44.58	3.12	0.26	43.49	≤54	PASS
				AV	5460.000	-60.3	≤-44.58	3.12	0.26	38.28	≤54	PASS
				Peak	5350.000	-39.93	≤-30.12	3.12	0.00	58.39	≤68.2	PASS

				Peak	5350.080	-39.93	≤-30.12	3.12	0.00	58.39	≤68.2	PASS
				Peak	5460.000	-51.68	≤-30.12	3.12	0.00	46.64	≤68.2	PASS
11AC20SISO	Ant1	Low	5260	AV	4500.000	-62.45	≤-44.48	3.12	0.16	36.03	≤54	PASS
				AV	5141.480	-57.93	≤-44.48	3.12	0.16	40.55	≤54	PASS
				AV	5150.000	-57.87	≤-44.48	3.12	0.16	40.61	≤54	PASS
				Peak	4500.000	-53.46	≤-30.12	3.12	0.00	44.86	≤68.2	PASS
				Peak	5141.480	-47.68	≤-30.12	3.12	0.00	50.64	≤68.2	PASS
				Peak	5150.000	-49.29	≤-30.12	3.12	0.00	49.03	≤68.2	PASS
		High	5320	AV	5350.000	-46.57	≤-44.48	3.12	0.16	51.91	≤54	PASS
				AV	5350.080	-46.57	≤-44.48	3.12	0.16	51.91	≤54	PASS
				AV	5460.000	-58.77	≤-44.48	3.12	0.16	39.71	≤54	PASS
				Peak	5350.000	-34.62	≤-30.12	3.12	0.00	63.70	≤68.2	PASS
				Peak	5350.720	-31.63	≤-30.12	3.12	0.00	66.69	≤68.2	PASS
				Peak	5460.000	-48.79	≤-30.12	3.12	0.00	49.53	≤68.2	PASS
11AC40SISO	Ant1	Low	5270	AV	4500.000	-62.42	≤-44.64	3.12	0.32	36.22	≤54	PASS
				AV	5149.380	-57.78	≤-44.64	3.12	0.32	40.86	≤54	PASS
				AV	5150.000	-58.05	≤-44.64	3.12	0.32	40.59	≤54	PASS
				Peak	4500.000	-53.54	≤-30.12	3.12	0.00	44.78	≤68.2	PASS
				Peak	5128.840	-46.51	≤-30.12	3.12	0.00	51.81	≤68.2	PASS
				Peak	5150.000	-48.34	≤-30.12	3.12	0.00	49.98	≤68.2	PASS
		High	5310	AV	5350.000	-55.85	≤-44.64	3.12	0.32	42.79	≤54	PASS
				AV	5350.560	-54.48	≤-44.64	3.12	0.32	44.16	≤54	PASS
				AV	5460.000	-60.35	≤-44.64	3.12	0.32	38.29	≤54	PASS
				Peak	5350.000	-44.21	≤-30.12	3.12	0.00	54.11	≤68.2	PASS
				Peak	5350.080	-44.21	≤-30.12	3.12	0.00	54.11	≤68.2	PASS
				Peak	5460.000	-51.31	≤-30.12	3.12	0.00	47.01	≤68.2	PASS
11AX20SISO	Ant1	Low	5260	AV	4500.000	-62.44	≤-44.48	3.12	0.16	36.04	≤54	PASS
				AV	5130.420	-57.83	≤-44.48	3.12	0.16	40.65	≤54	PASS
				AV	5150.000	-58.02	≤-44.48	3.12	0.16	40.46	≤54	PASS
				Peak	4500.000	-53.98	≤-30.12	3.12	0.00	44.34	≤68.2	PASS
				Peak	5147.010	-47.52	≤-30.12	3.12	0.00	50.80	≤68.2	PASS
				Peak	5150.000	-49.36	≤-30.12	3.12	0.00	48.96	≤68.2	PASS
		High	5320	AV	5350.000	-51.7	≤-44.45	3.12	0.13	46.75	≤54	PASS
				AV	5350.720	-51.19	≤-44.45	3.12	0.13	47.26	≤54	PASS
				AV	5460.000	-58.81	≤-44.45	3.12	0.13	39.64	≤54	PASS
				Peak	5350.000	-38.63	≤-30.12	3.12	0.00	59.69	≤68.2	PASS
				Peak	5353.600	-32.69	≤-30.12	3.12	0.00	65.63	≤68.2	PASS
				Peak	5460.000	-49.71	≤-30.12	3.12	0.00	48.61	≤68.2	PASS
11AX40SISO	Ant1	Low	5270	AV	4500.000	-62.75	≤-44.58	3.12	0.26	35.83	≤54	PASS
				AV	5143.060	-57.84	≤-44.58	3.12	0.26	40.74	≤54	PASS
				AV	5150.000	-58.03	≤-44.58	3.12	0.26	40.55	≤54	PASS

				Peak	4500.000	-52.95	≤-30.12	3.12	0.00	45.37	≤68.2	PASS
				Peak	5138.320	-47.15	≤-30.12	3.12	0.00	51.17	≤68.2	PASS
				Peak	5150.000	-47.88	≤-30.12	3.12	0.00	50.44	≤68.2	PASS
		High	5310	AV	5350.000	-55.61	≤-44.58	3.12	0.26	42.97	≤54	PASS
				AV	5351.360	-54.9	≤-44.58	3.12	0.26	43.68	≤54	PASS
				AV	5460.000	-60.4	≤-44.58	3.12	0.26	38.18	≤54	PASS
				Peak	5350.000	-44.98	≤-30.12	3.12	0.00	53.34	≤68.2	PASS
				Peak	5354.240	-42.68	≤-30.12	3.12	0.00	55.64	≤68.2	PASS
				Peak	5460.000	-51.73	≤-30.12	3.12	0.00	46.59	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

Test Graphs

