

Appendix C

RF Test Data for 5.3GWIFI(Conducted Measurement)

Product Name: Network Transport

Test Model: 9000NT

Environmental Conditions

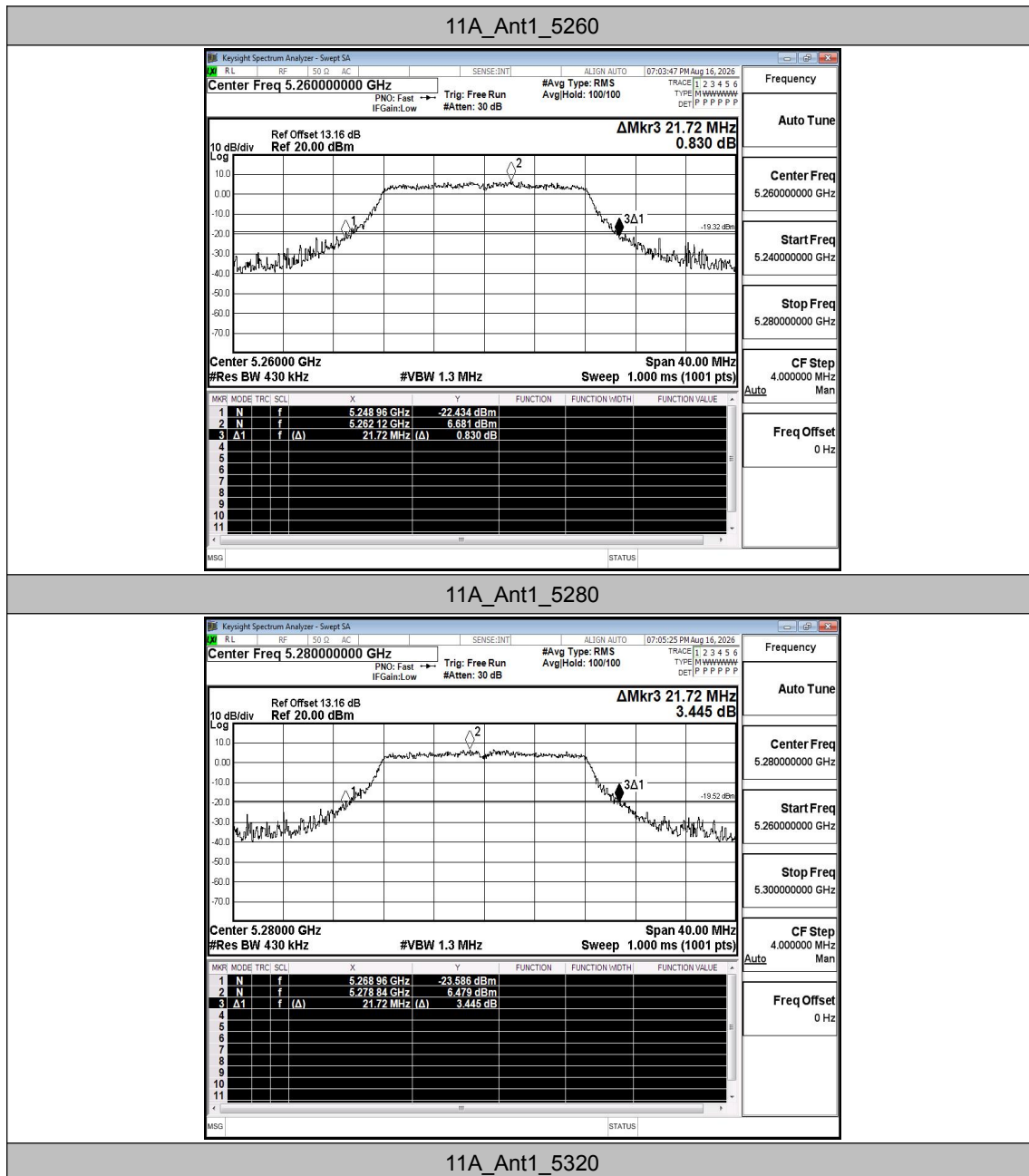
Temperature:	24.6° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

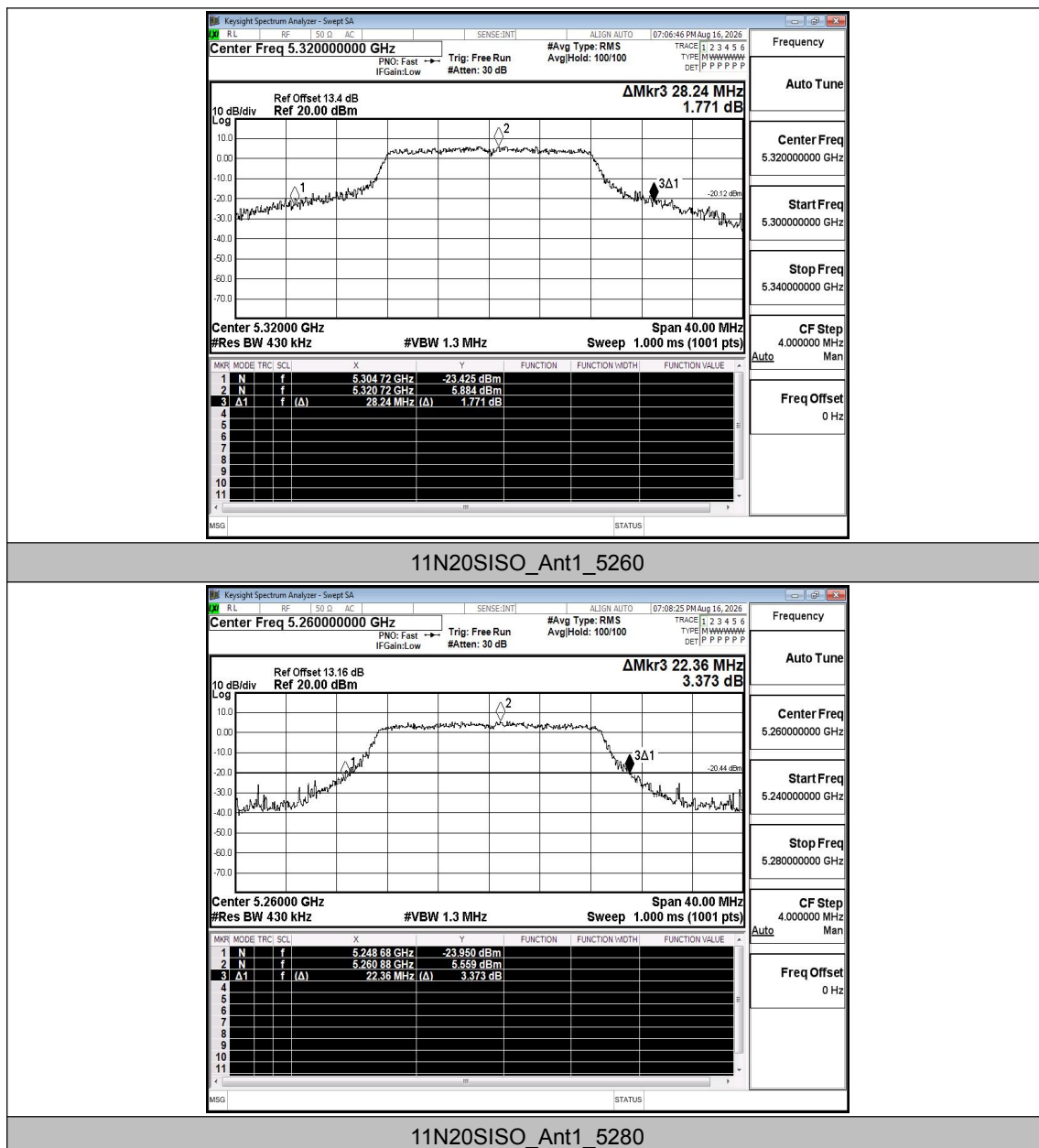
C.1 Emission Bandwidth

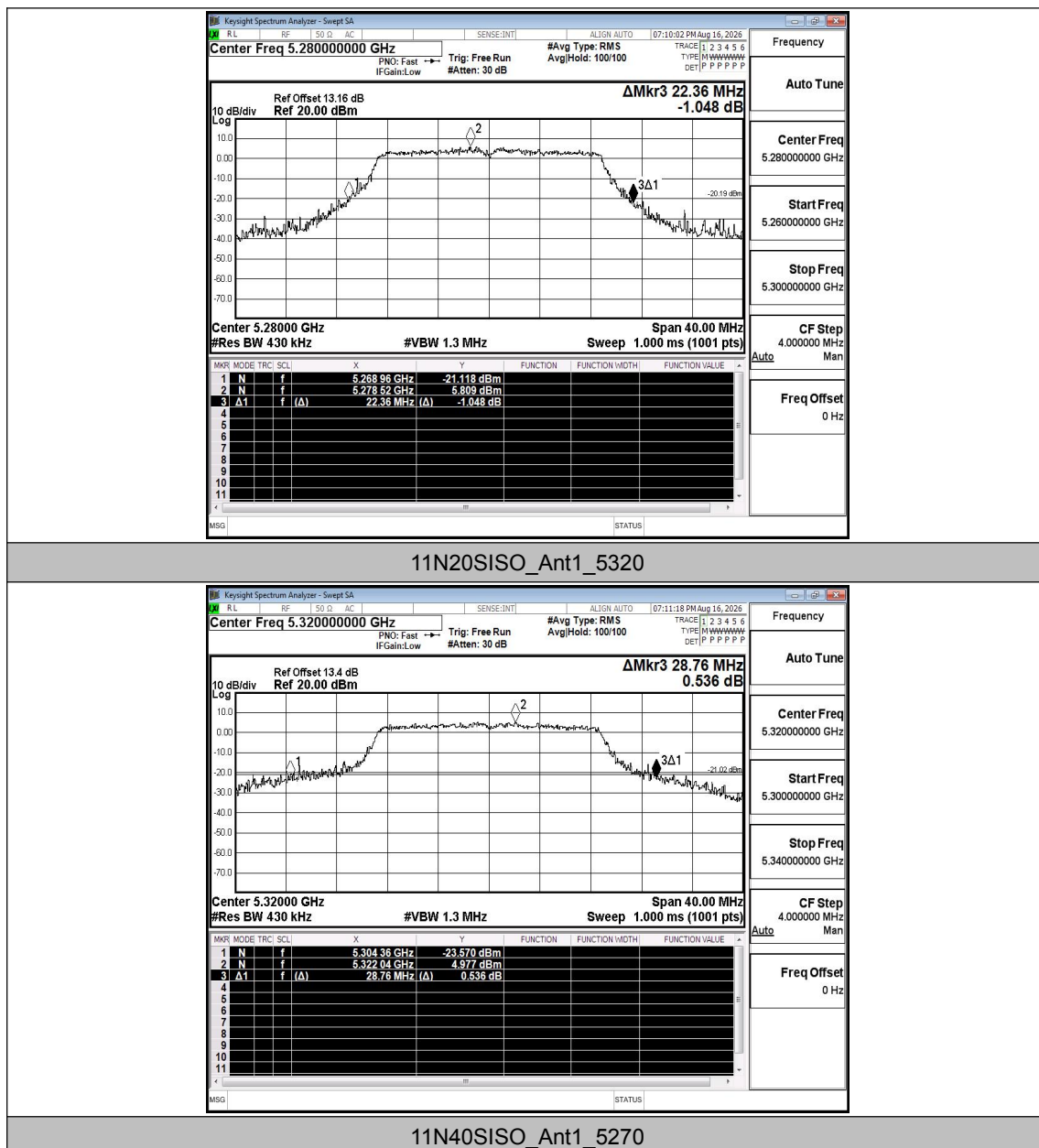
Test Result

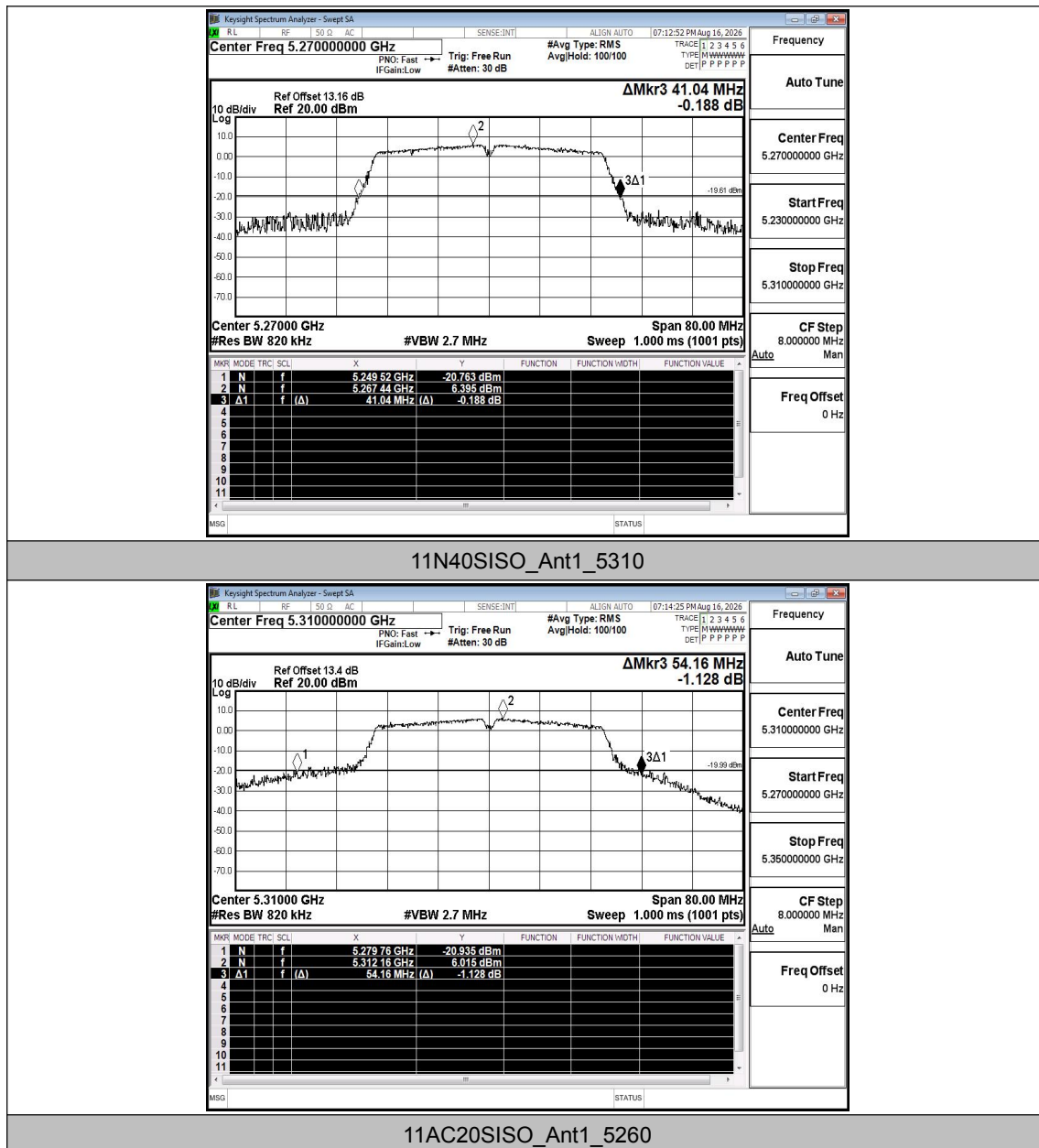
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	21.720	5248.960	5270.680	---	---
		5280	21.720	5268.960	5290.680	---	---
		5320	28.240	5304.720	5332.960	---	---
11N20SISO	Ant1	5260	22.360	5248.680	5271.040	---	---
		5280	22.360	5268.960	5291.320	---	---
		5320	28.760	5304.360	5333.120	---	---
11N40SISO	Ant1	5270	41.040	5249.520	5290.560	---	---
		5310	54.160	5279.760	5333.920	---	---
11AC20SISO	Ant1	5260	23.040	5248.280	5271.320	---	---
		5280	23.280	5268.160	5291.440	---	---
		5320	29.120	5303.840	5332.960	---	---
11AC40SISO	Ant1	5270	41.440	5249.360	5290.800	---	---
		5310	56.000	5279.200	5335.200	---	---
11AC80SISO	Ant1	5290	102.720	5230.960	5333.680	---	---

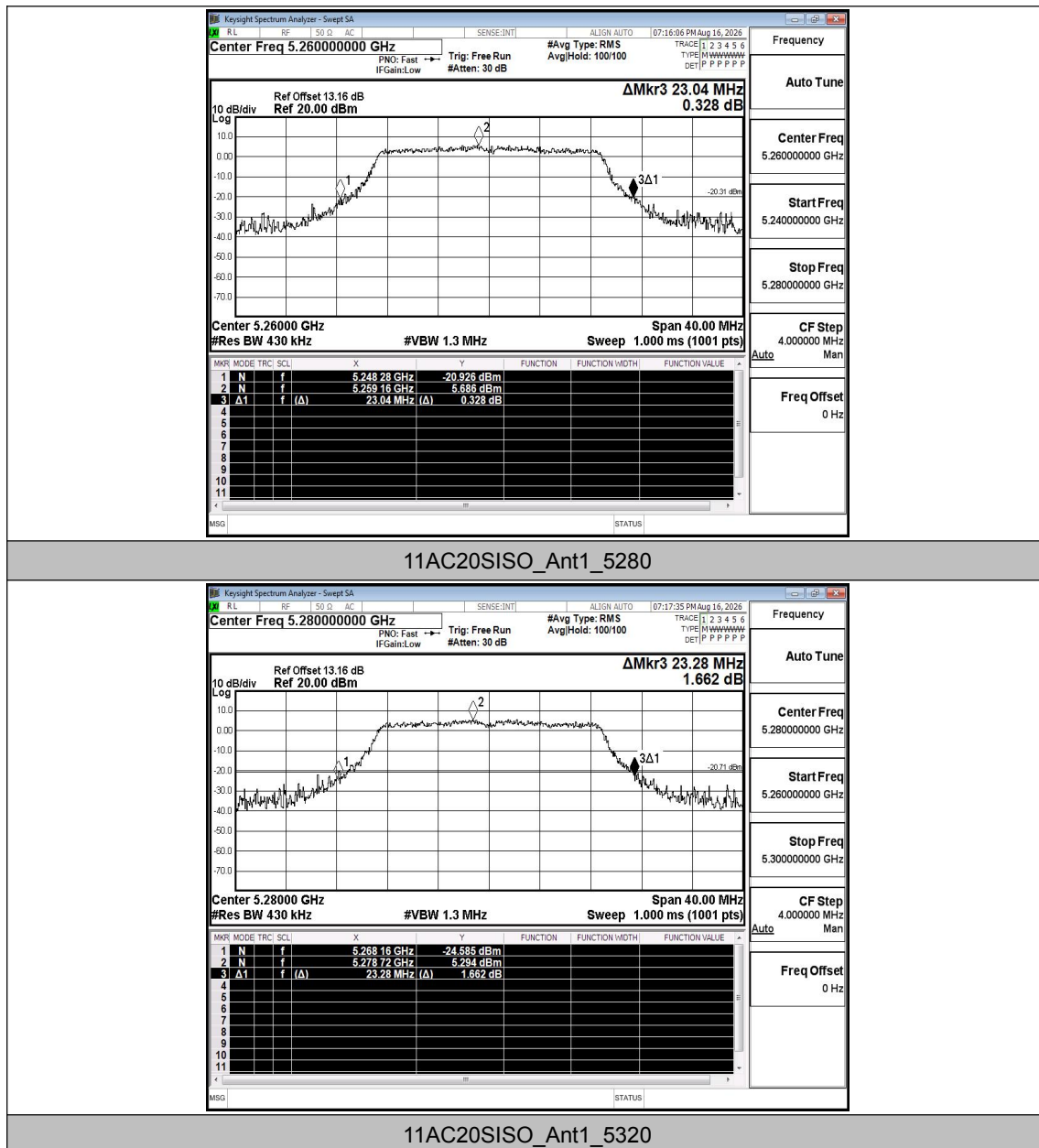
Test Graphs

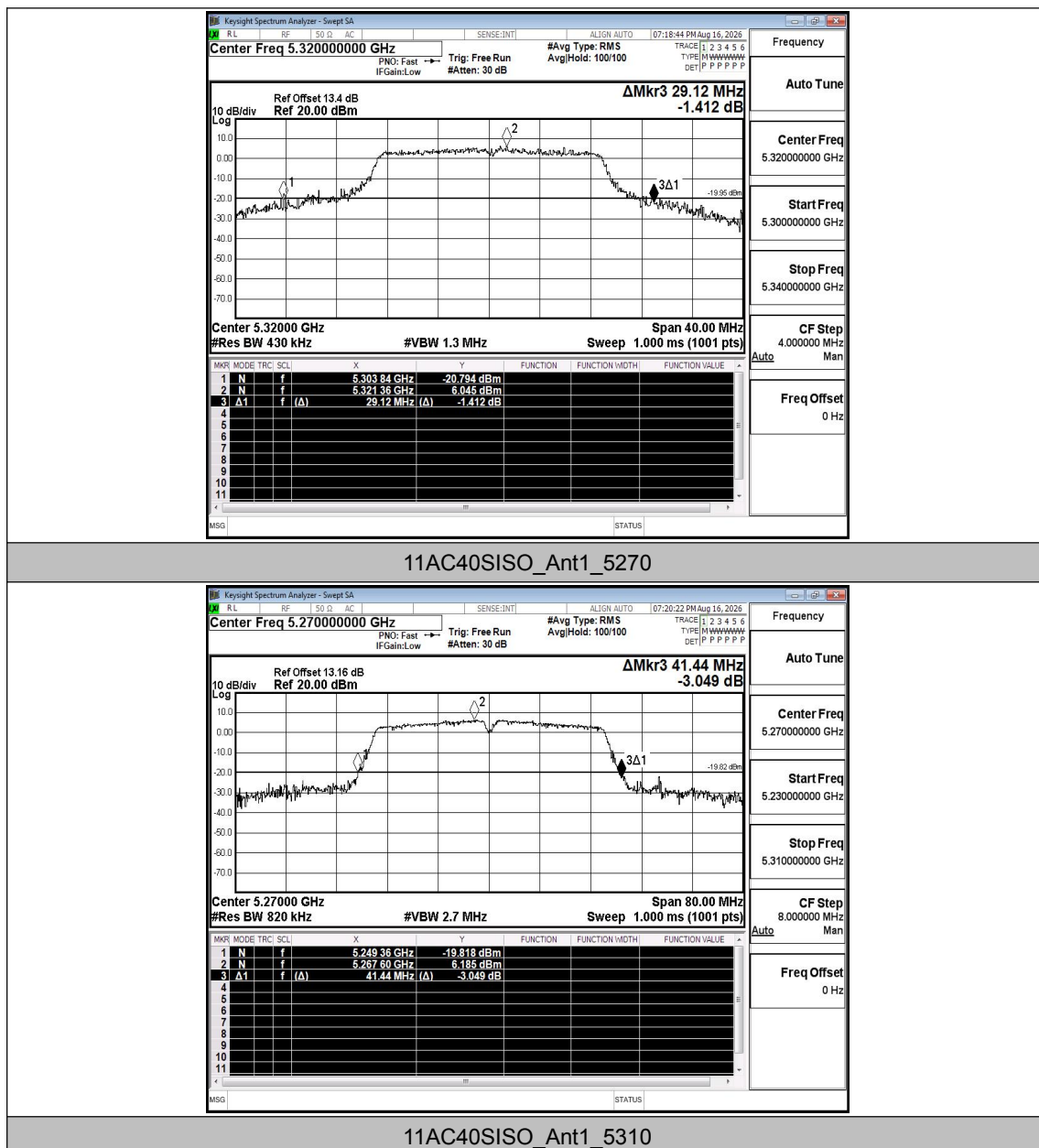


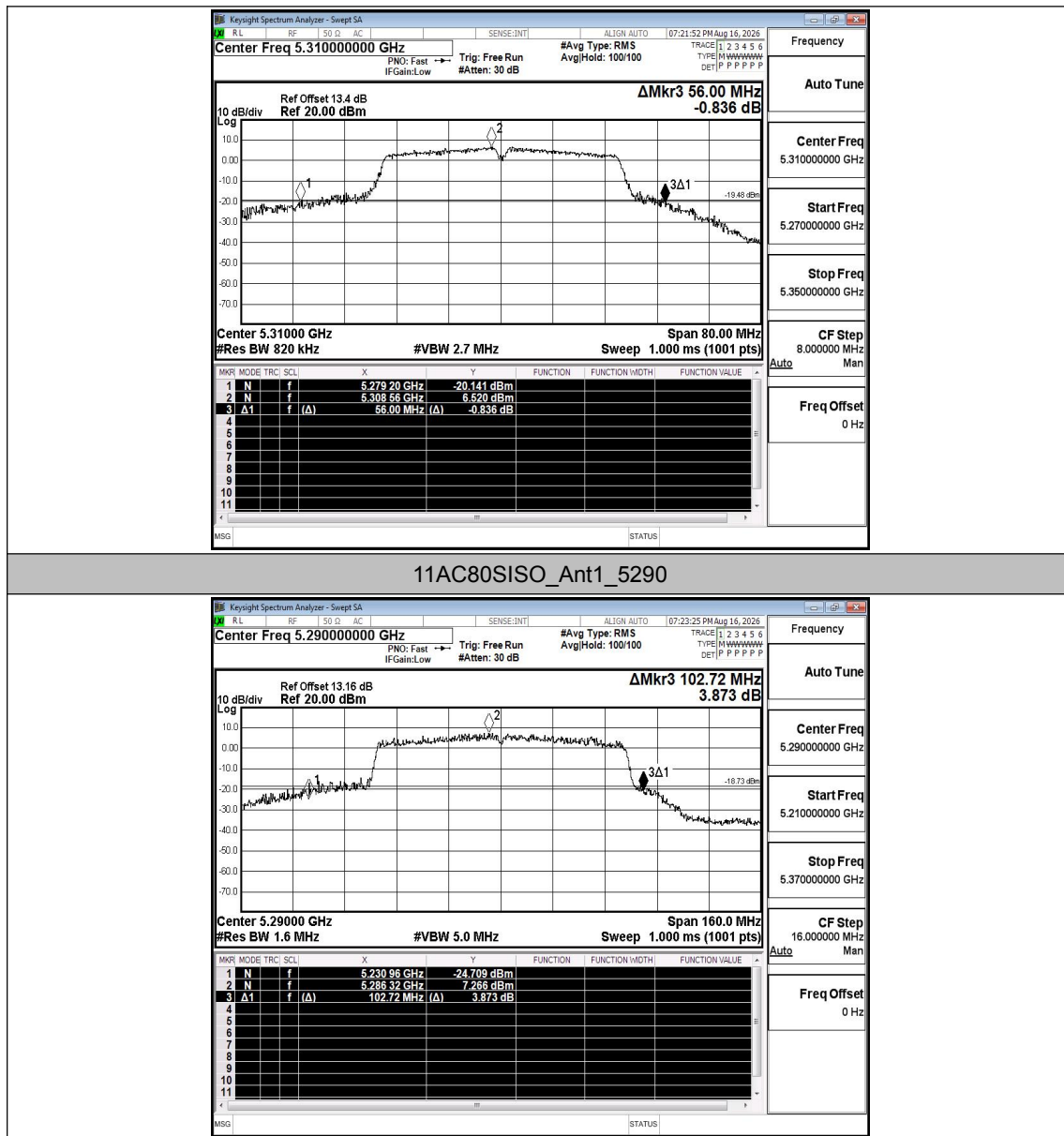












C.2 Maximum Conducted Output Power

Test Result Channel Power

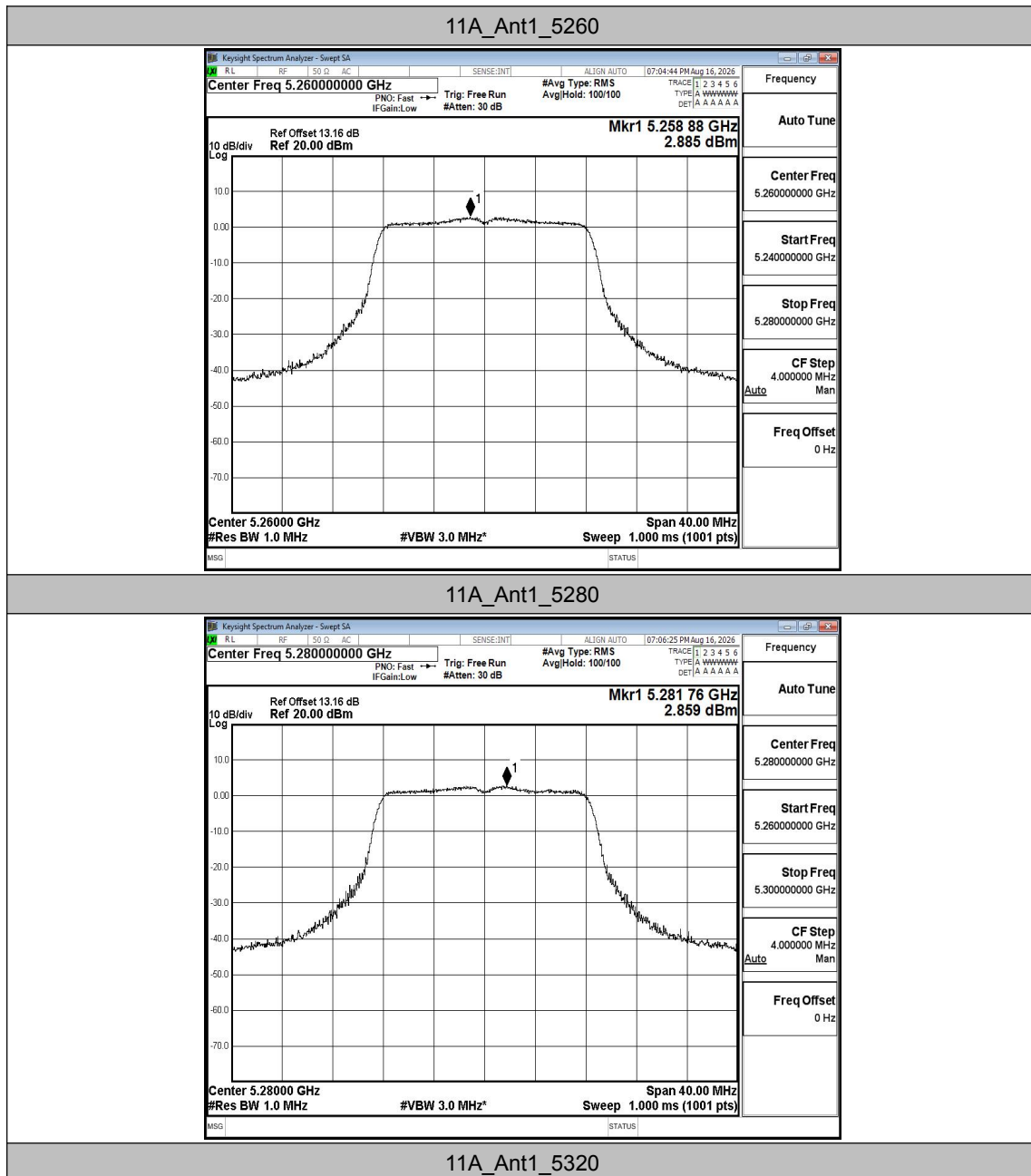
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	NA	13.63	0.15	13.78	≤23.98	PASS
		5280	NA	13.63	0.18	13.81	≤23.98	PASS
		5320	NA	13.98	0.18	14.16	≤23.98	PASS
11N20SISO	Ant1	5260	NA	13.05	0.16	13.21	≤23.98	PASS
		5280	NA	13.22	0.16	13.38	≤23.98	PASS
		5320	NA	13.32	0.19	13.51	≤23.98	PASS
11N40SISO	Ant1	5270	NA	12.86	0.32	13.18	≤23.98	PASS
		5310	NA	13.14	0.38	13.52	≤23.98	PASS
11AC20SISO	Ant1	5260	NA	13.32	0.51	13.83	≤23.98	PASS
		5280	NA	13.33	0.51	13.84	≤23.98	PASS
		5320	NA	13.44	0.51	13.95	≤23.98	PASS
11AC40SISO	Ant1	5270	NA	12.81	0.90	13.71	≤23.98	PASS
		5310	NA	13.08	0.76	13.84	≤23.98	PASS
11AC80SISO	Ant1	5290	NA	11.74	1.46	13.20	≤23.98	PASS

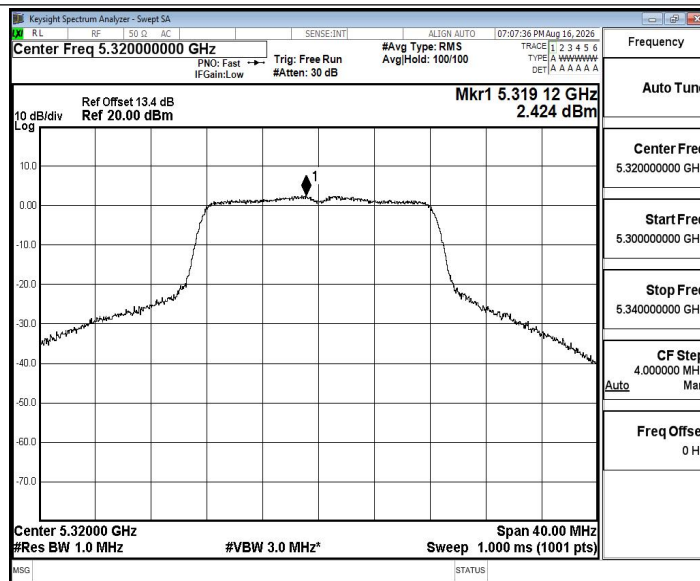
C.3 Maximum power spectral density

Test Result

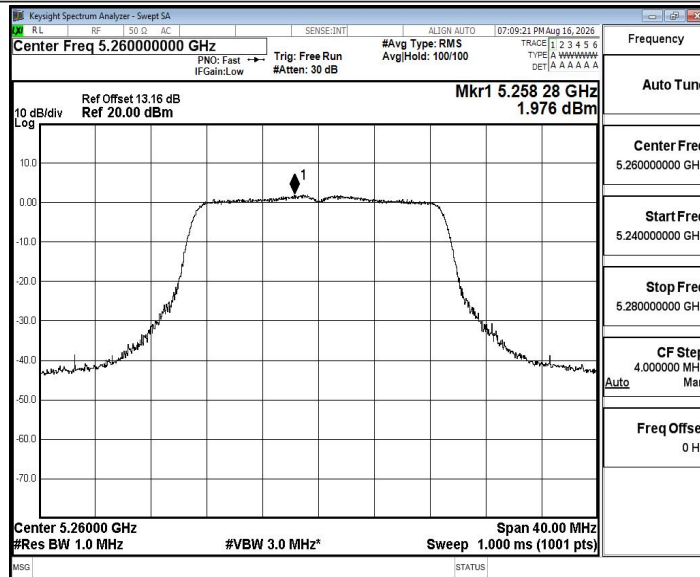
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5260	2.89	0.15	3.04	≤11.00	PASS
		5280	2.86	0.18	3.04	≤11.00	PASS
		5320	2.42	0.18	2.60	≤11.00	PASS
11N20SISO	Ant1	5260	1.98	0.16	2.14	≤11.00	PASS
		5280	2.01	0.16	2.17	≤11.00	PASS
		5320	1.77	0.19	1.96	≤11.00	PASS
11N40SISO	Ant1	5270	-0.71	0.32	-0.39	≤11.00	PASS
		5310	0.06	0.38	0.44	≤11.00	PASS
11AC20SISO	Ant1	5260	2.17	0.51	2.68	≤11.00	PASS
		5280	2.26	0.51	2.77	≤11.00	PASS
		5320	1.95	0.51	2.46	≤11.00	PASS
11AC40SISO	Ant1	5270	-0.55	0.90	0.35	≤11.00	PASS
		5310	-0.47	0.76	0.29	≤11.00	PASS
11AC80SISO	Ant1	5290	-4.62	1.46	-3.16	≤11.00	PASS

Test Graphs

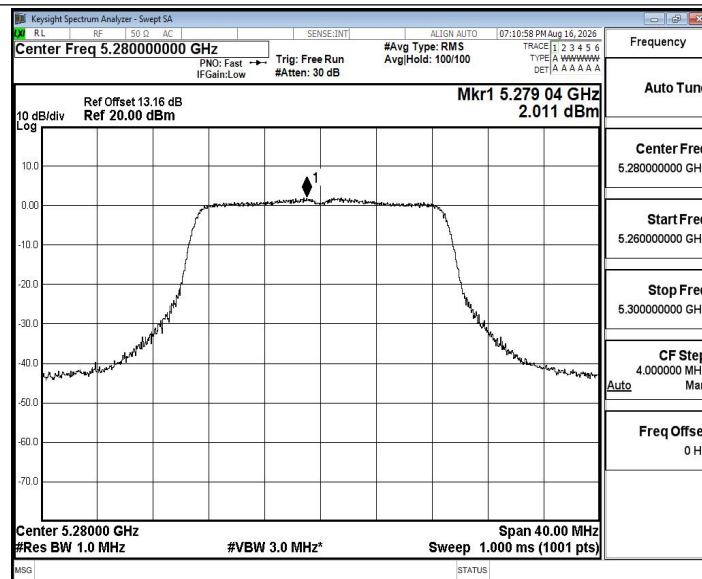




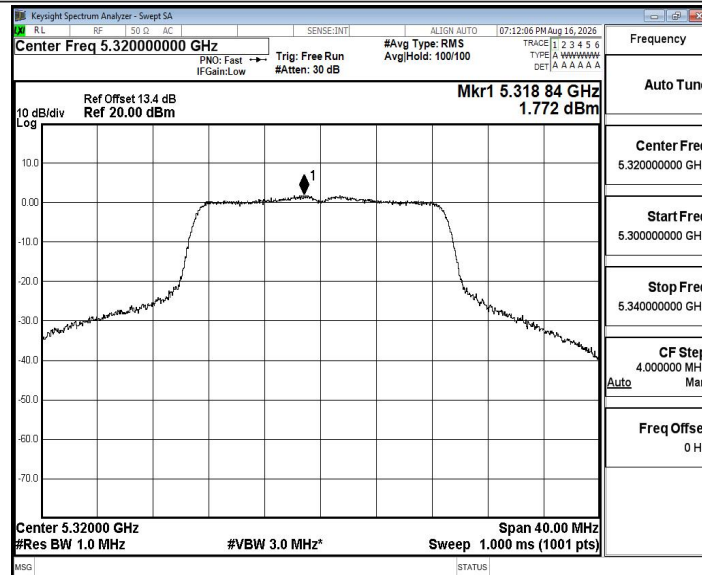
11N20SISO_Ant1_5260



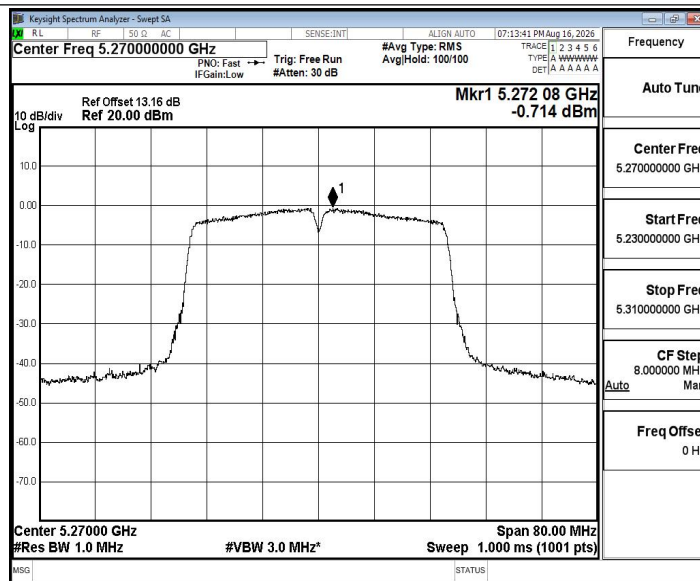
11N20SISO_Ant1_5280



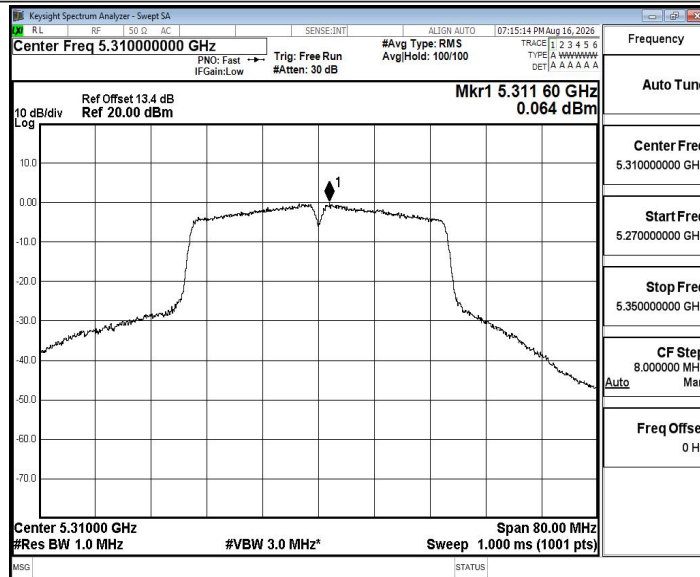
11N20SISO_Ant1_5320



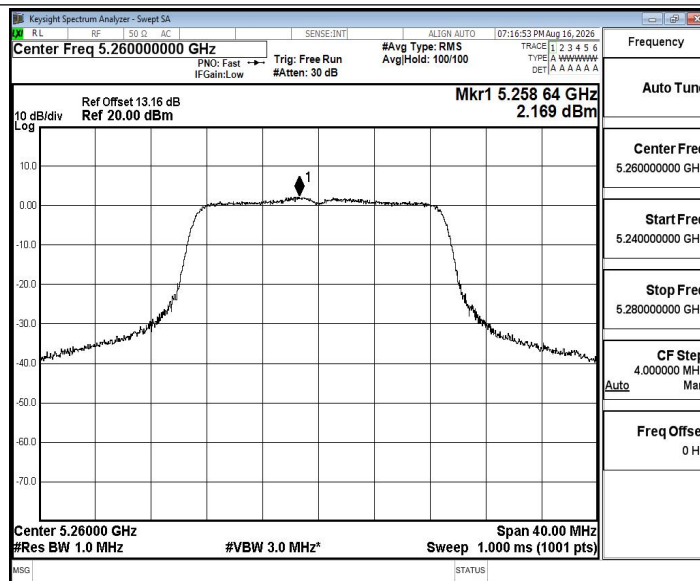
11N40SISO_Ant1_5270



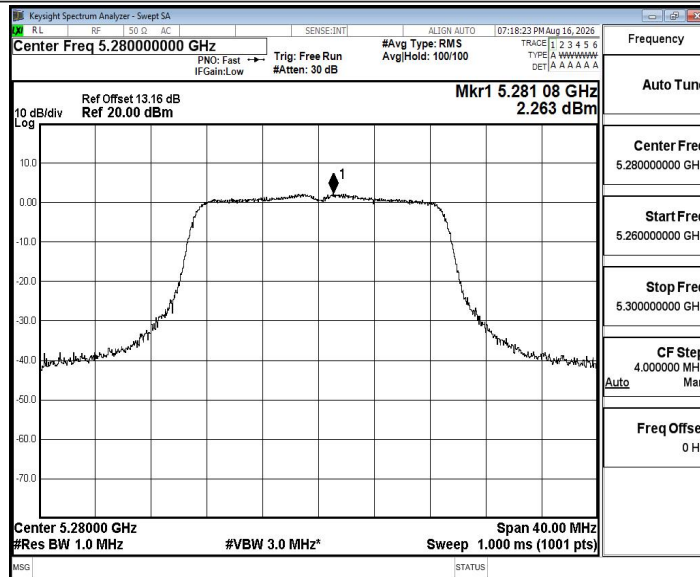
11N40SISO_Ant1_5310



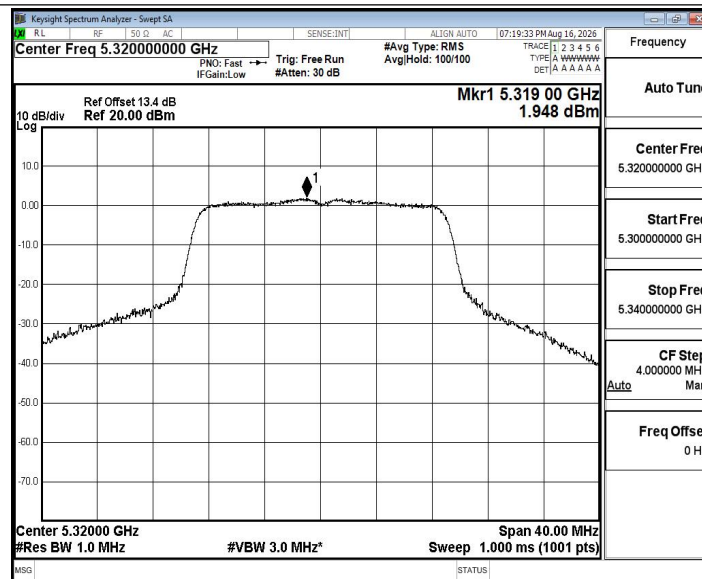
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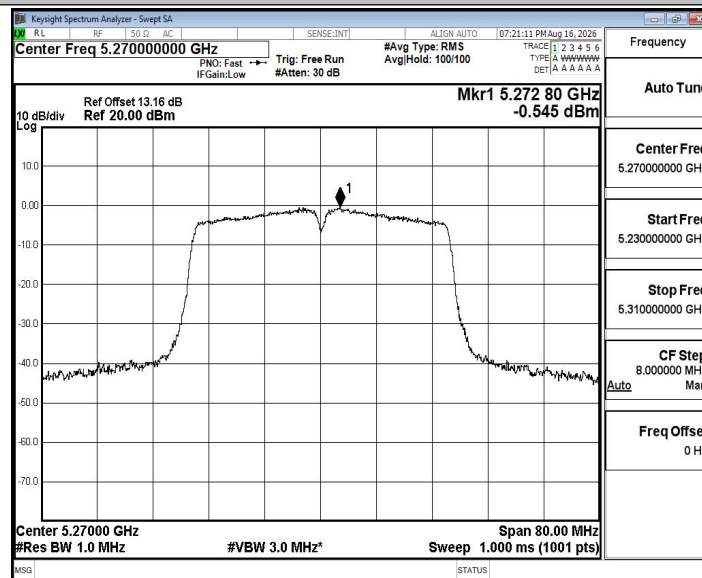
11AC20SISO_Ant1_5280



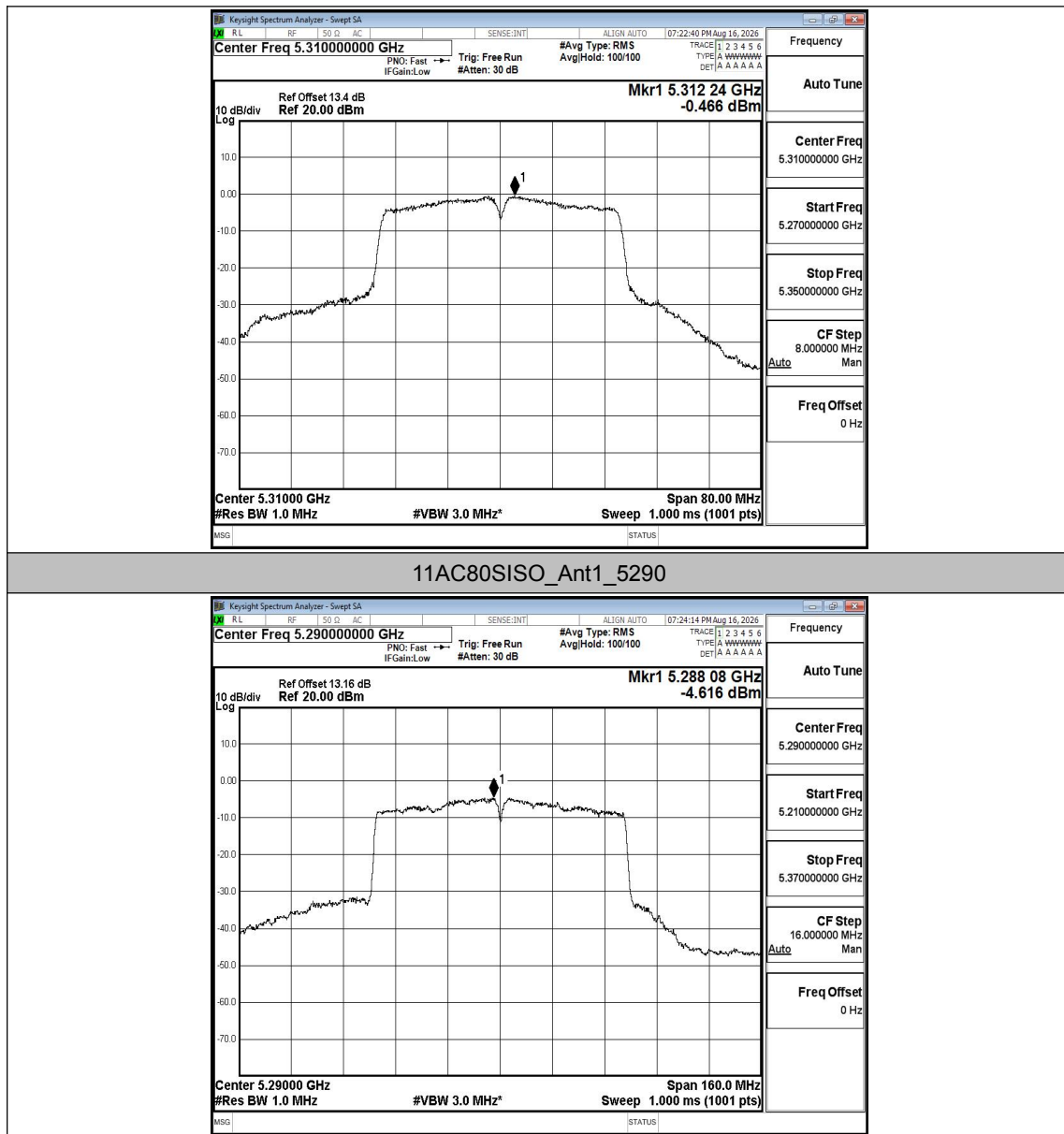
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



C.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	-62.22	≤-43.35	3.71	0.15	36.84	≤54	PASS
				AV	5143.850	-57.04	≤-43.35	3.71	0.15	42.02	≤54	PASS
				AV	5150.000	-57.5	≤-43.35	3.71	0.15	41.56	≤54	PASS
				Peak	4500.000	-54.54	≤-29.00	3.71	0.00	44.37	≤68.2	PASS
				Peak	5138.320	-47.08	≤-29.00	3.71	0.00	51.83	≤68.2	PASS
				Peak	5150.000	-49.21	≤-29.00	3.71	0.00	49.7	≤68.2	PASS
		High	5320	AV	5350.000	-57.13	≤-43.38	3.71	0.18	41.96	≤54	PASS
				AV	5350.720	-55.77	≤-43.38	3.71	0.18	43.32	≤54	PASS
				AV	5460.000	-60.09	≤-43.38	3.71	0.18	39	≤54	PASS
				Peak	5350.000	-47.71	≤-29.00	3.71	0.00	51.2	≤68.2	PASS
				Peak	5350.560	-46.07	≤-29.00	3.71	0.00	52.84	≤68.2	PASS
				Peak	5460.000	-51.43	≤-29.00	3.71	0.00	47.48	≤68.2	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-61.98	≤-43.36	3.71	0.16	37.09	≤54	PASS
				AV	4903.690	-57.11	≤-43.36	3.71	0.16	41.96	≤54	PASS
				AV	5150.000	-58.16	≤-43.36	3.71	0.16	40.91	≤54	PASS
				Peak	4500.000	-52.82	≤-29.00	3.71	0.00	46.09	≤68.2	PASS
				Peak	5121.730	-47.93	≤-29.00	3.71	0.00	50.98	≤68.2	PASS
				Peak	5150.000	-49.8	≤-29.00	3.71	0.00	49.11	≤68.2	PASS
		High	5320	AV	5350.000	-56.47	≤-43.39	3.71	0.19	42.63	≤54	PASS
				AV	5350.880	-56.41	≤-43.39	3.71	0.19	42.69	≤54	PASS
				AV	5460.000	-60.51	≤-43.39	3.71	0.19	38.59	≤54	PASS
				Peak	5350.000	-48.19	≤-29.00	3.71	0.00	50.72	≤68.2	PASS
				Peak	5353.600	-45.92	≤-29.00	3.71	0.00	52.99	≤68.2	PASS
				Peak	5460.000	-51.96	≤-29.00	3.71	0.00	46.95	≤68.2	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-61.92	≤-43.52	3.71	0.32	37.31	≤54	PASS
				AV	5137.530	-56.81	≤-43.52	3.71	0.32	42.42	≤54	PASS
				AV	5150.000	-56.97	≤-43.52	3.71	0.32	42.26	≤54	PASS
				Peak	4500.000	-52.66	≤-29.00	3.71	0.00	46.25	≤68.2	PASS
				Peak	5090.920	-46.74	≤-29.00	3.71	0.00	52.17	≤68.2	PASS
				Peak	5150.000	-46.71	≤-29.00	3.71	0.00	52.2	≤68.2	PASS
		High	5310	AV	5350.000	-52.52	≤-43.58	3.71	0.38	46.77	≤54	PASS
				AV	5350.240	-52.17	≤-43.58	3.71	0.38	47.12	≤54	PASS
				AV	5460.000	-59.65	≤-43.58	3.71	0.38	39.64	≤54	PASS

				Peak	5350.000	-43.41	≤-29.00	3.71	0.00	55.5	≤68.2	PASS
				Peak	5351.040	-40.75	≤-29.00	3.71	0.00	58.16	≤68.2	PASS
				Peak	5460.000	-51.62	≤-29.00	3.71	0.00	47.29	≤68.2	PASS
11AC20SISO	Ant1	Low	5260	AV	4500.000	-62.17	≤-43.71	3.71	0.51	37.25	≤54	PASS
				AV	5019.820	-55.51	≤-43.71	3.71	0.51	43.91	≤54	PASS
				AV	5150.000	-56.36	≤-43.71	3.71	0.51	43.06	≤54	PASS
				Peak	4500.000	-54.37	≤-29.00	3.71	0.00	44.54	≤68.2	PASS
				Peak	5097.240	-46.85	≤-29.00	3.71	0.00	52.06	≤68.2	PASS
				Peak	5150.000	-47.48	≤-29.00	3.71	0.00	51.43	≤68.2	PASS
		High	5320	AV	5350.000	-57.17	≤-43.71	3.71	0.51	42.25	≤54	PASS
				AV	5351.040	-56.74	≤-43.71	3.71	0.51	42.68	≤54	PASS
				AV	5460.000	-60.19	≤-43.71	3.71	0.51	39.23	≤54	PASS
				Peak	5350.000	-48.25	≤-29.00	3.71	0.00	50.66	≤68.2	PASS
				Peak	5361.280	-46.82	≤-29.00	3.71	0.00	52.09	≤68.2	PASS
				Peak	5460.000	-50.72	≤-29.00	3.71	0.00	48.19	≤68.2	PASS
11AC40SISO	Ant1	Low	5270	AV	4500.000	-61.98	≤-44.10	3.71	0.90	37.83	≤54	PASS
				AV	5148.590	-56.18	≤-44.10	3.71	0.90	43.63	≤54	PASS
				AV	5150.000	-56.67	≤-44.10	3.71	0.90	43.14	≤54	PASS
				Peak	4500.000	-53.35	≤-29.00	3.71	0.00	45.56	≤68.2	PASS
				Peak	5109.880	-46.7	≤-29.00	3.71	0.00	52.21	≤68.2	PASS
				Peak	5150.000	-48.65	≤-29.00	3.71	0.00	50.26	≤68.2	PASS
		High	5310	AV	5350.000	-54.99	≤-43.96	3.71	0.76	44.68	≤54	PASS
				AV	5350.560	-54.47	≤-43.96	3.71	0.76	45.2	≤54	PASS
				AV	5460.000	-60.67	≤-43.96	3.71	0.76	39	≤54	PASS
				Peak	5350.000	-44.78	≤-29.00	3.71	0.00	54.13	≤68.2	PASS
				Peak	5350.080	-44.78	≤-29.00	3.71	0.00	54.13	≤68.2	PASS
				Peak	5460.000	-52.76	≤-29.00	3.71	0.00	46.15	≤68.2	PASS
11AC80SISO	Ant1	Low	5290	AV	4500.000	-61.63	≤-46.37	3.71	1.46	38.74	≤54	PASS
				AV	5148.000	-57.32	≤-46.37	3.71	1.46	43.05	≤54	PASS
				AV	5150.000	-57.76	≤-46.37	3.71	1.46	42.61	≤54	PASS
				Peak	4500.000	-52.76	≤-30.71	3.71	0.00	46.15	≤68.2	PASS
				Peak	5140.800	-48.07	≤-30.71	3.71	0.00	50.84	≤68.2	PASS
				Peak	5150.000	-50.08	≤-30.71	3.71	0.00	48.83	≤68.2	PASS
		High	5290	AV	5350.000	-49.58	≤-46.37	3.71	1.46	50.79	≤54	PASS
				AV	5356.400	-49.21	≤-46.37	3.71	1.46	51.16	≤54	PASS
				AV	5460.000	-59.81	≤-46.37	3.71	1.46	40.56	≤54	PASS
				Peak	5350.000	-40.68	≤-30.71	3.71	0.00	58.23	≤68.2	PASS
				Peak	5357.200	-35.87	≤-30.71	3.71	0.00	63.04	≤68.2	PASS

Note:

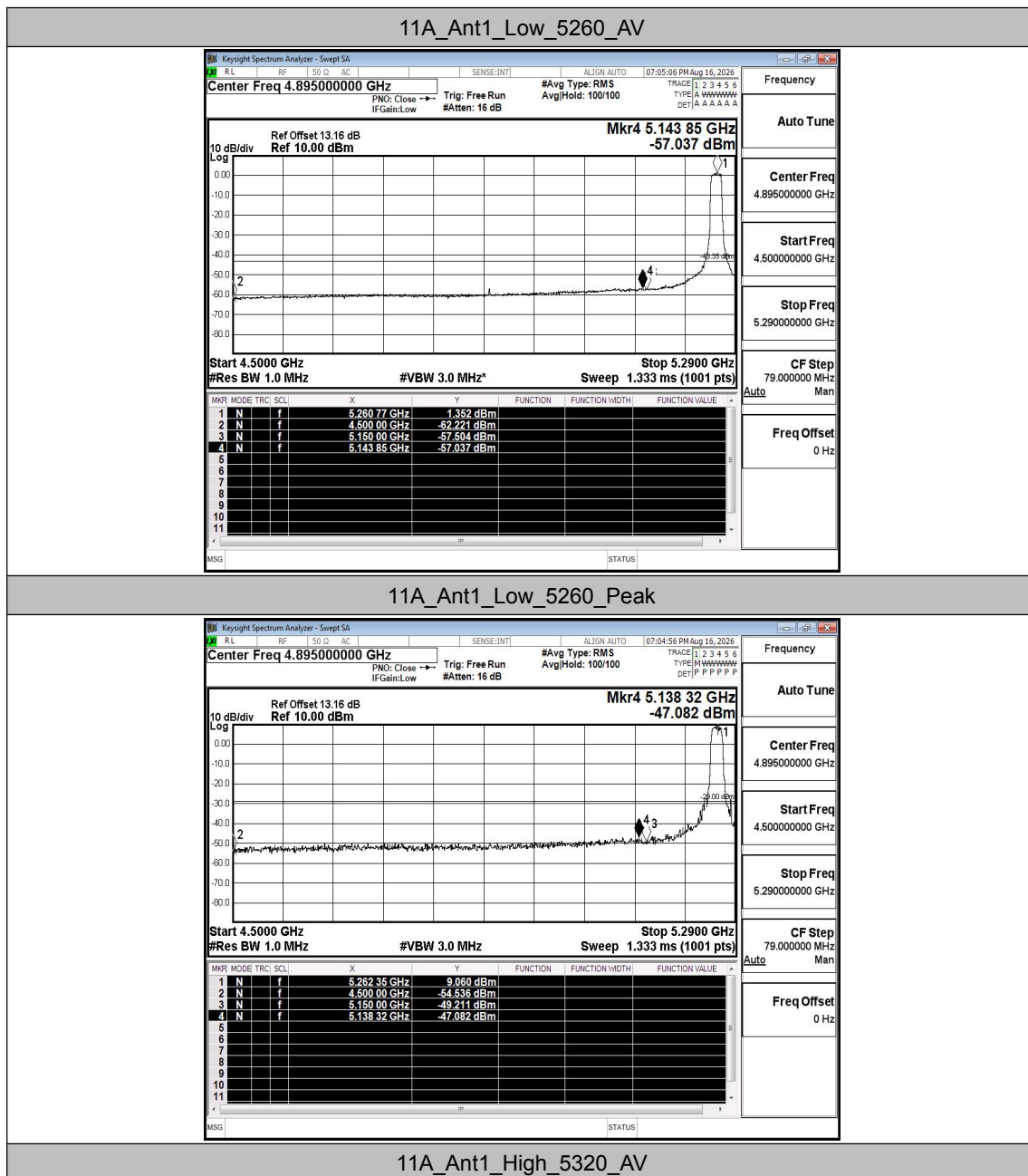
1. The Antenna Gain is compensated in the graph.

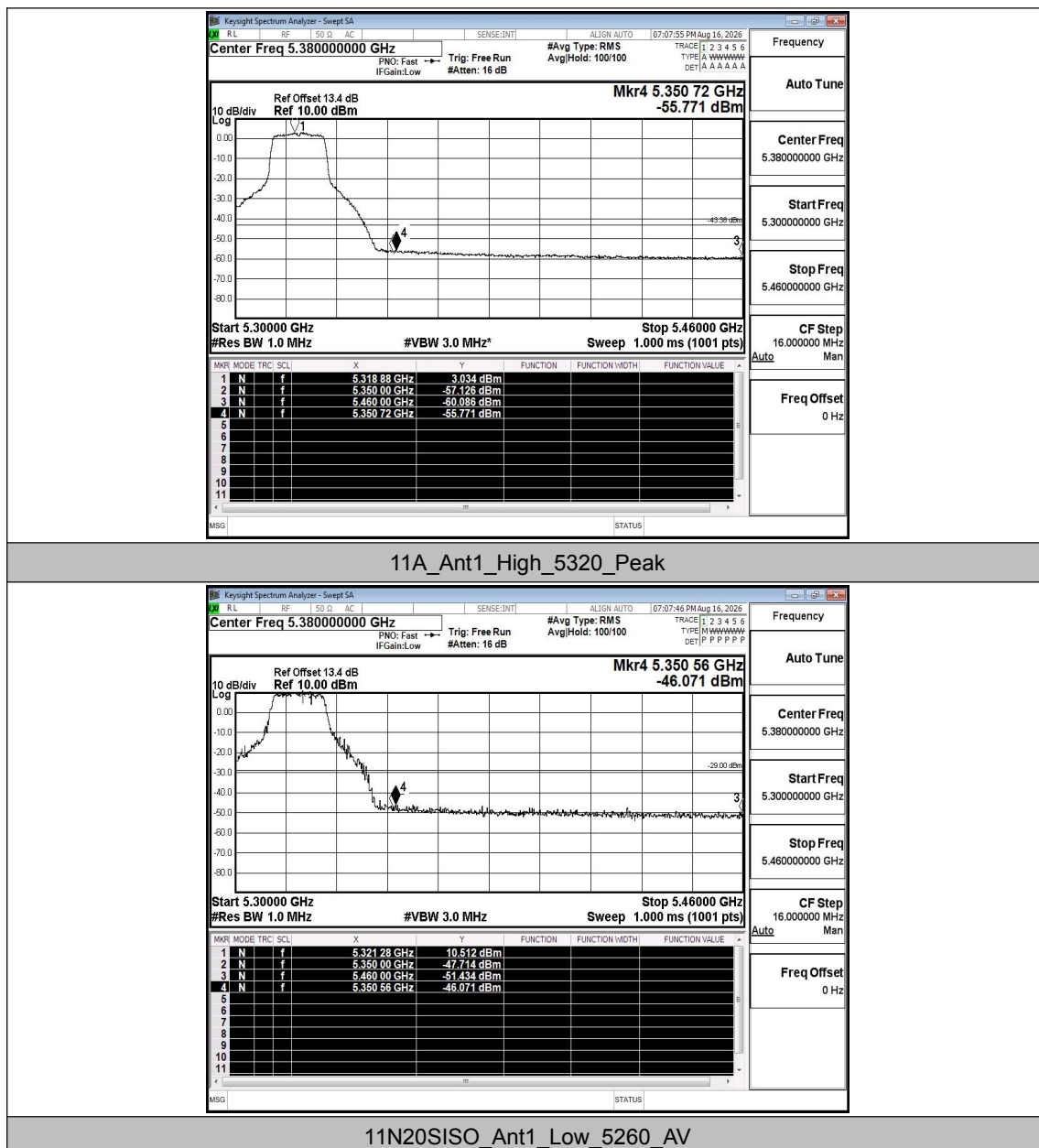
Guangzhou LCS Compliance Testing Laboratory Ltd.

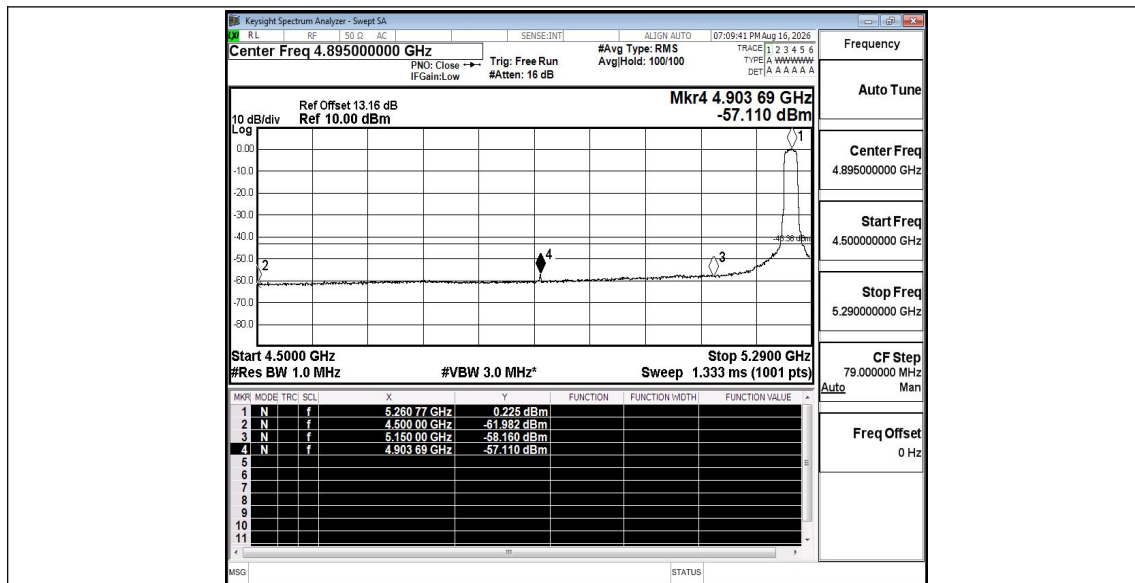
Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

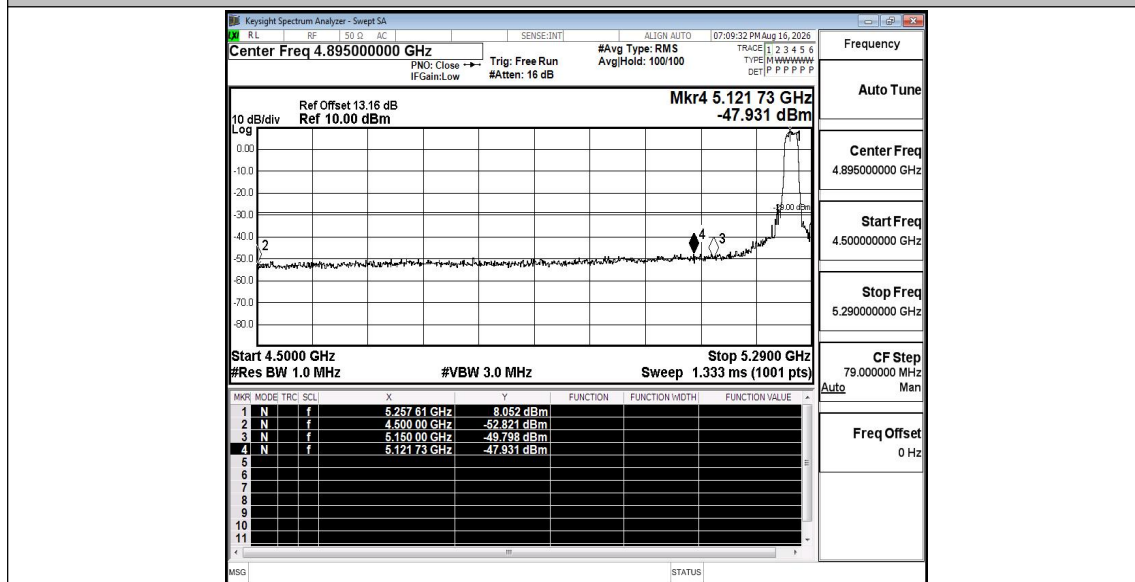
Test Graphs







11N20SISO_Ant1_Low_5260_Peak



11N20SISO_Ant1_High_5320_AV