

Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: K11 Pro

Environmental Conditions

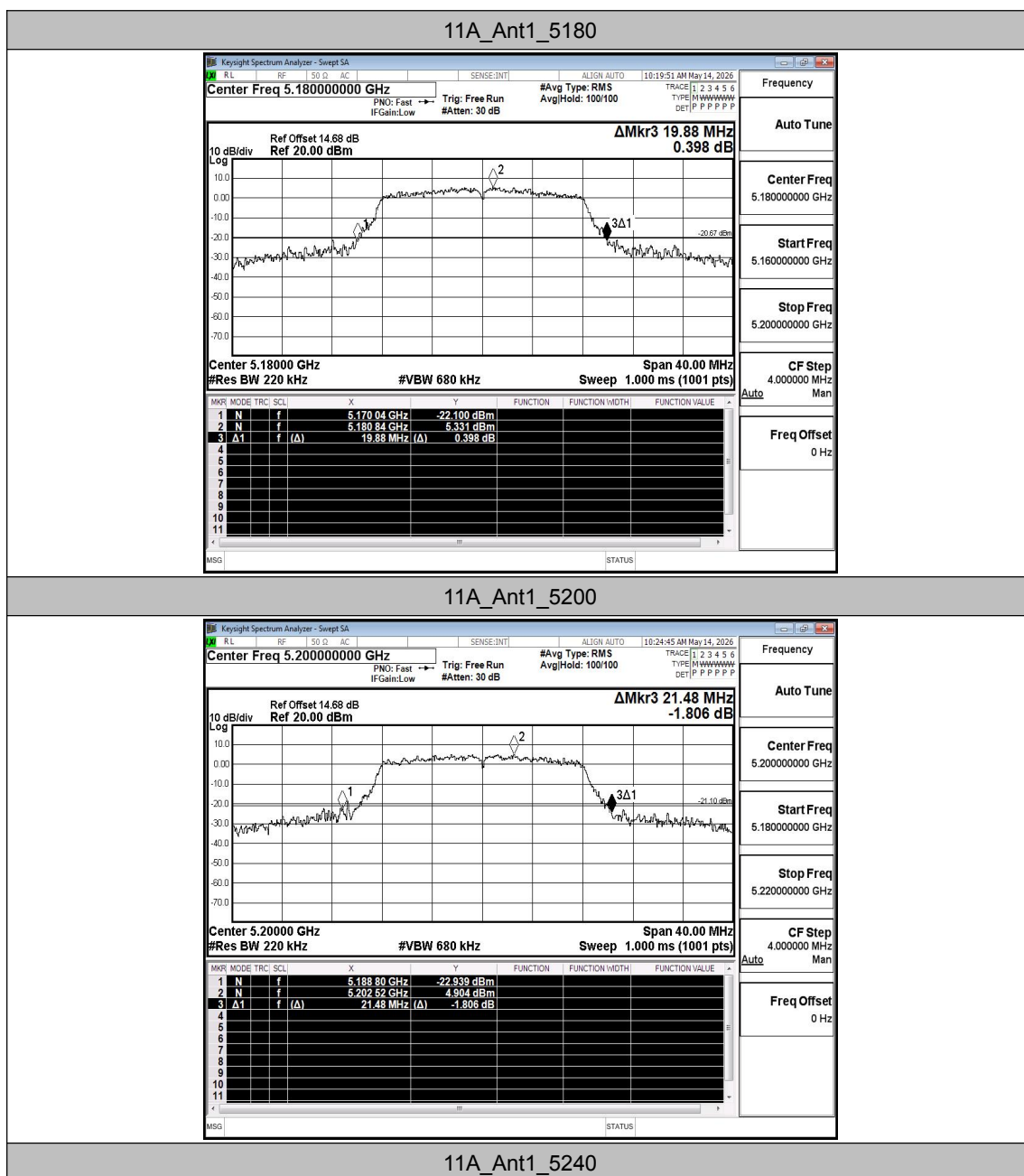
Temperature:	24.5°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

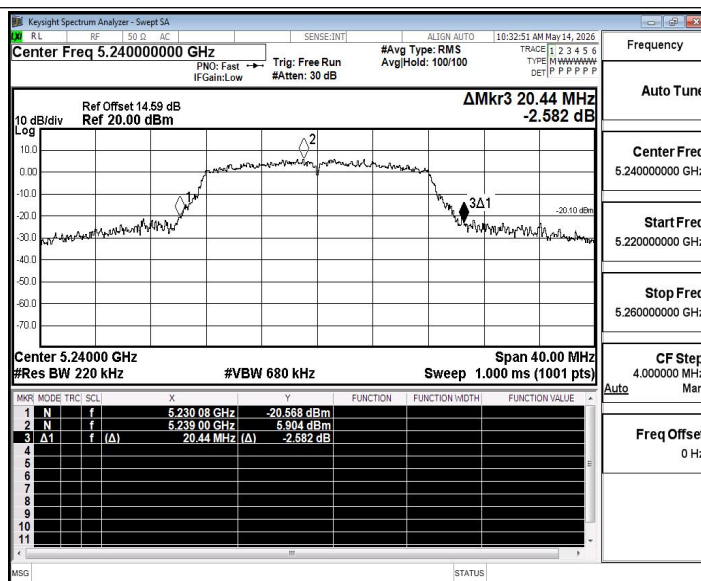
D.1 Emission Bandwidth

Test Result

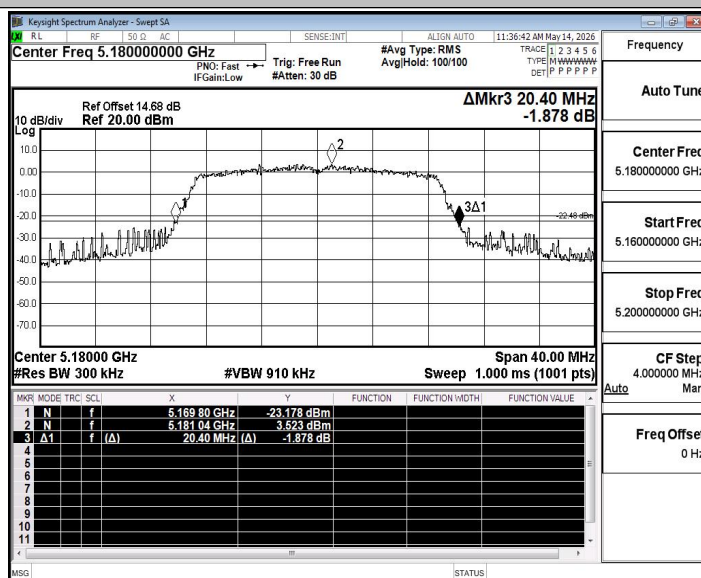
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.880	5170.040	5189.920	---	---
		5200	21.480	5188.800	5210.280	---	---
		5240	20.440	5230.080	5250.520	---	---
11N20SISO	Ant1	5180	20.400	5169.800	5190.200	---	---
		5200	20.280	5189.840	5210.120	---	---
		5240	20.280	5229.880	5250.160	---	---
11N40SISO	Ant1	5190	41.120	5169.520	5210.640	---	---
		5230	41.120	5209.280	5250.400	---	---
11AC20SISO	Ant1	5180	20.360	5169.960	5190.320	---	---
		5200	20.560	5189.520	5210.080	---	---
		5240	20.120	5229.960	5250.080	---	---
11AC40SISO	Ant1	5190	41.120	5169.280	5210.400	---	---
		5230	40.480	5210.000	5250.480	---	---
11AC80SISO	Ant1	5210	80.480	5170.000	5250.480	---	---

Test Graphs

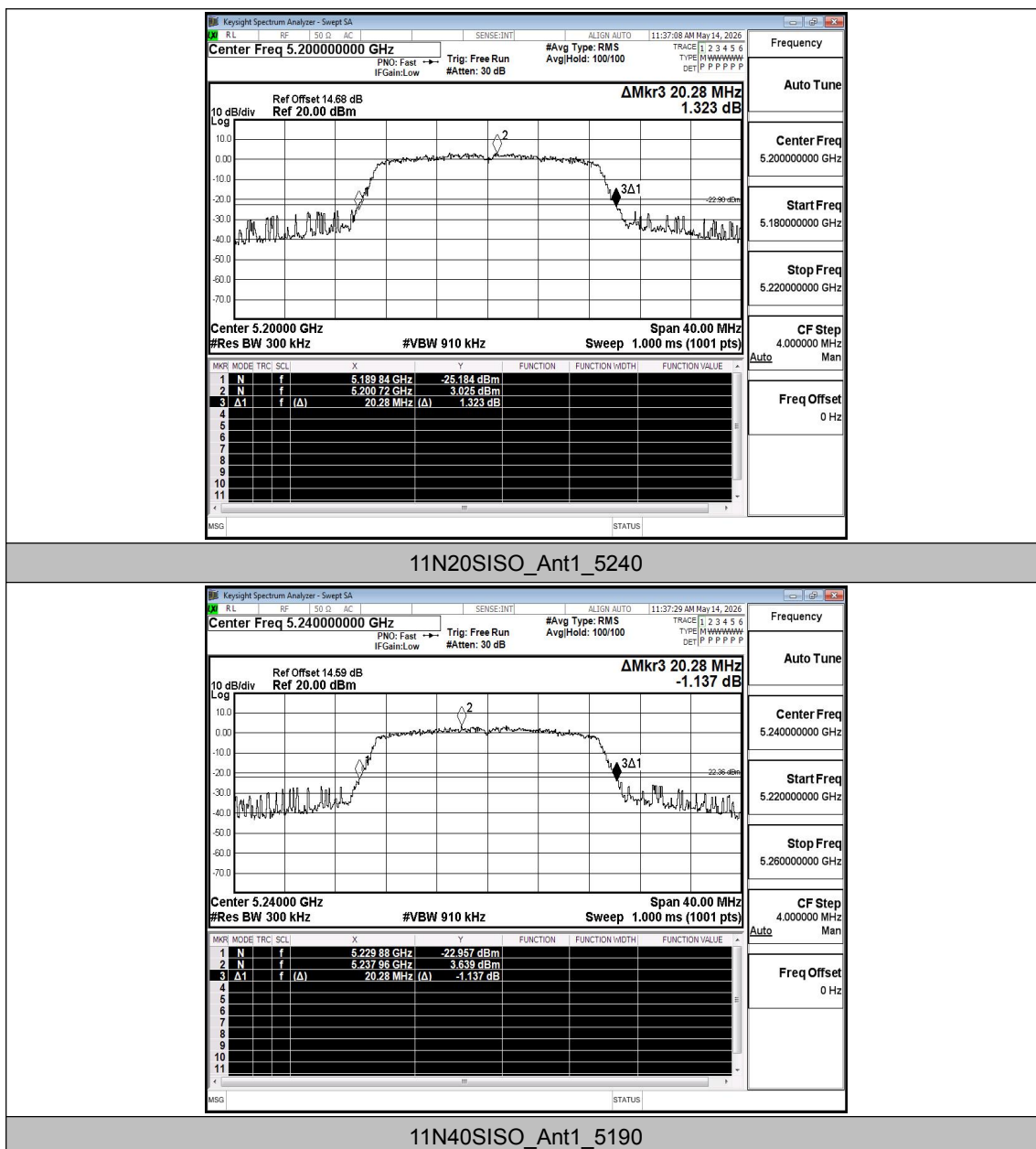


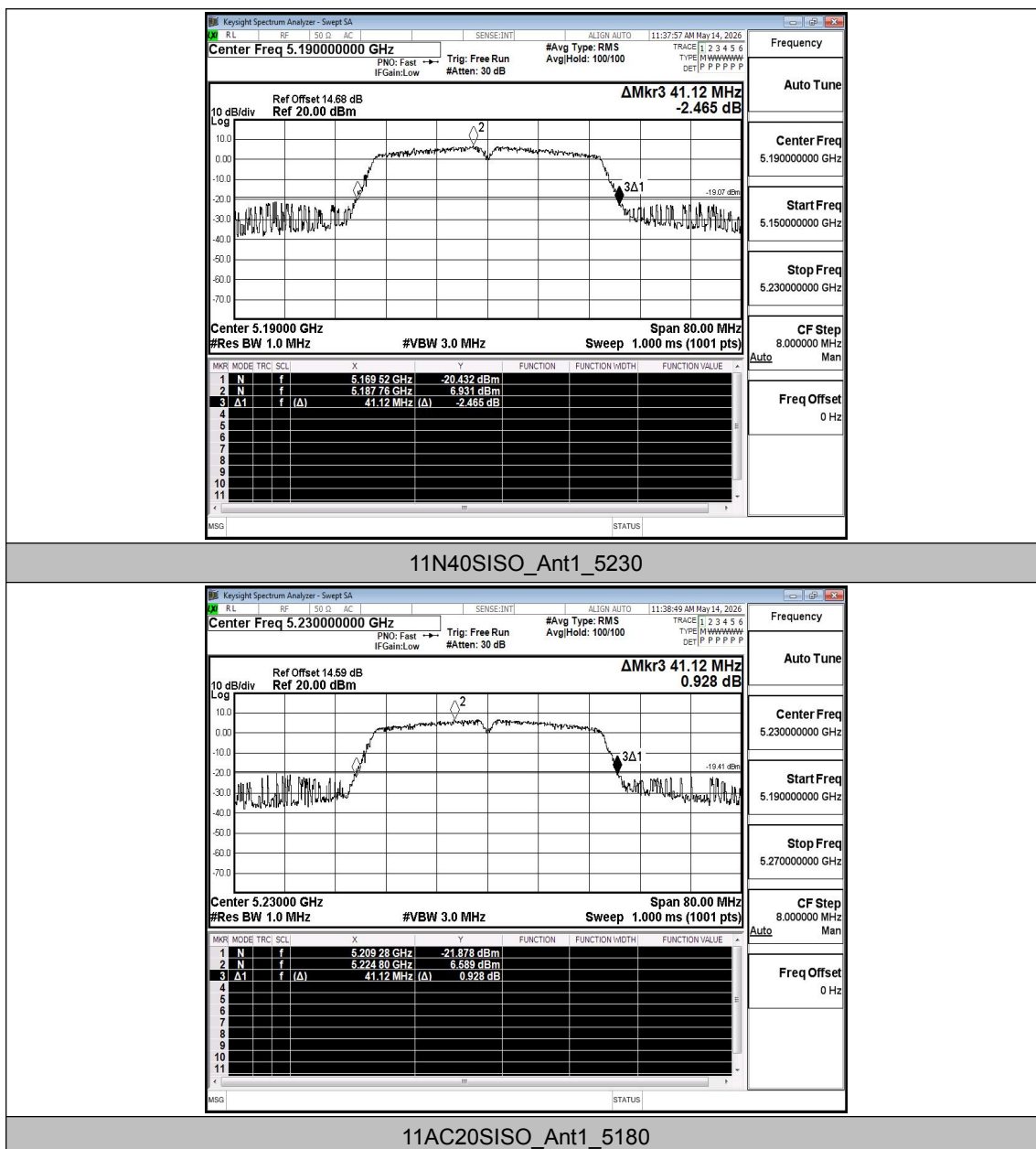


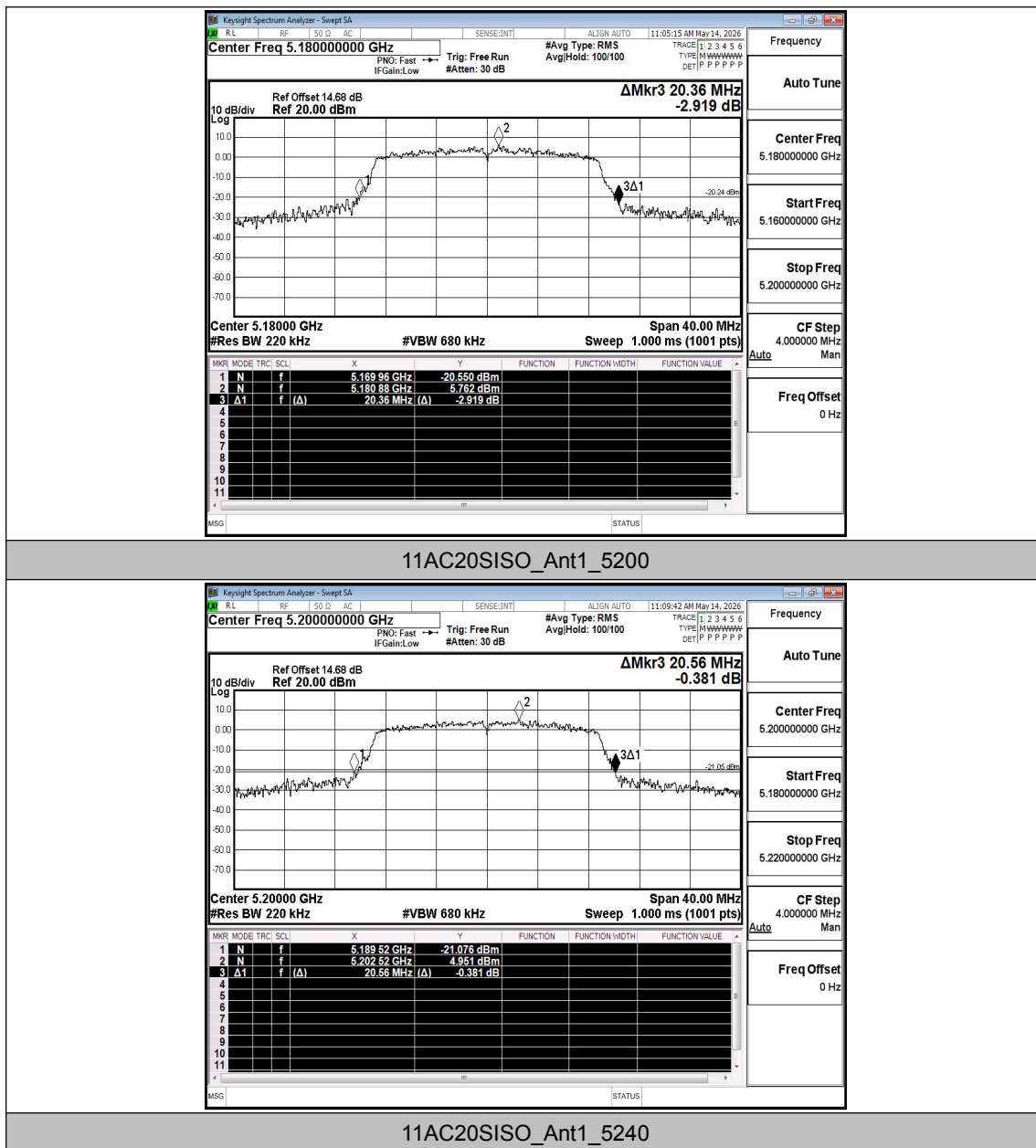
11N20SISO_Ant1_5180

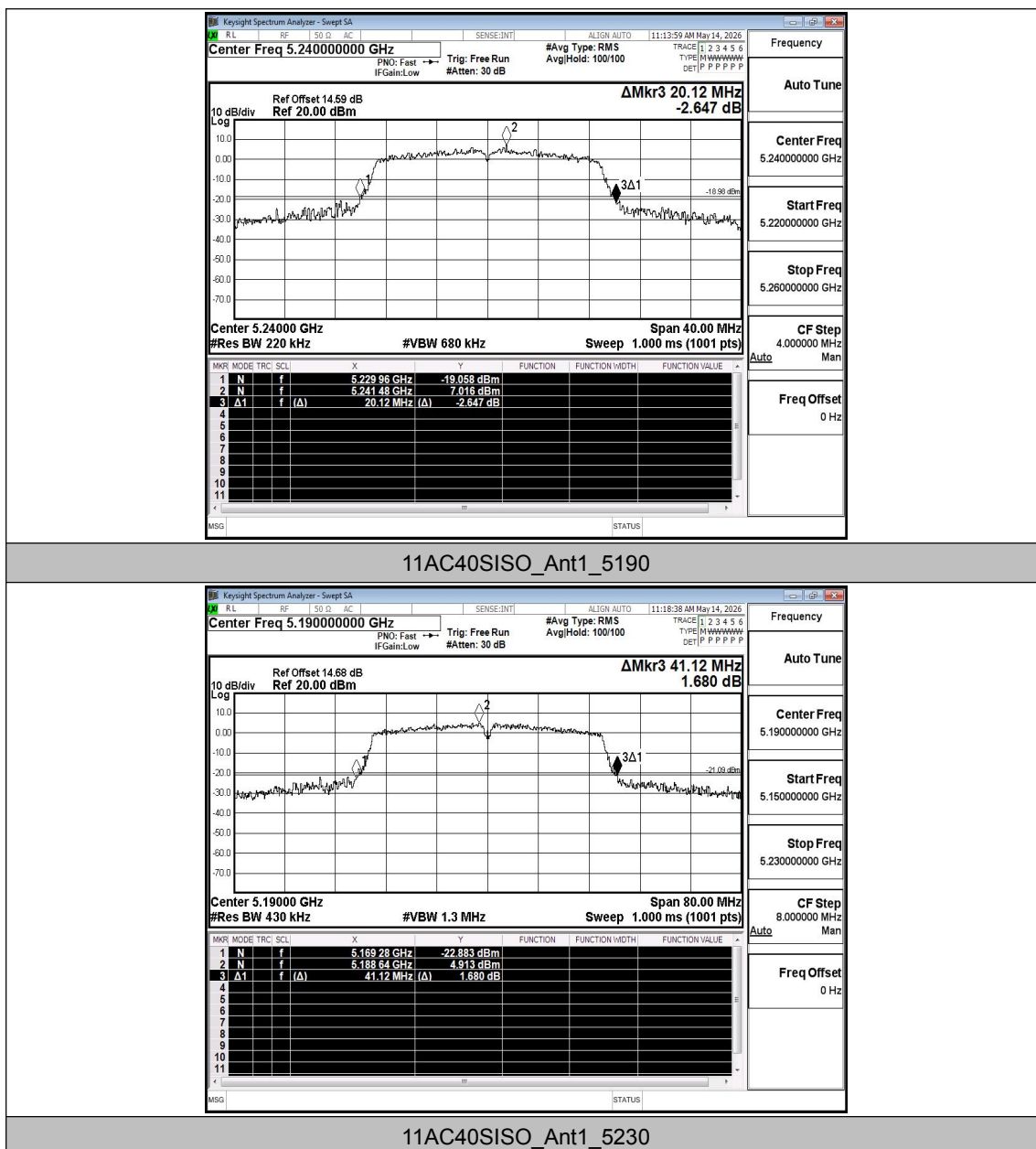


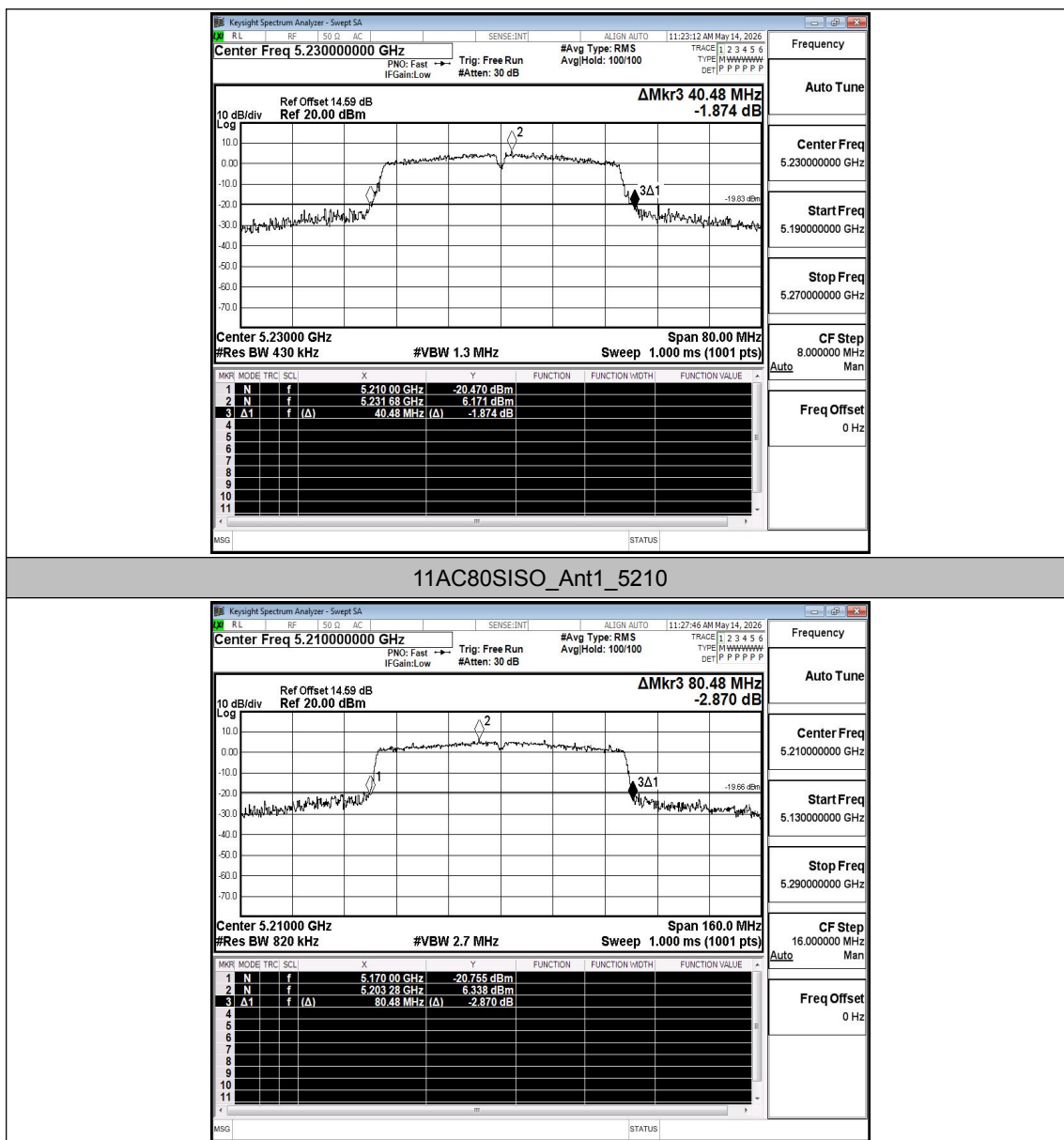
11N20SISO_Ant1_5200











D.2 Maximum conducted output power

Test Result Channel Power

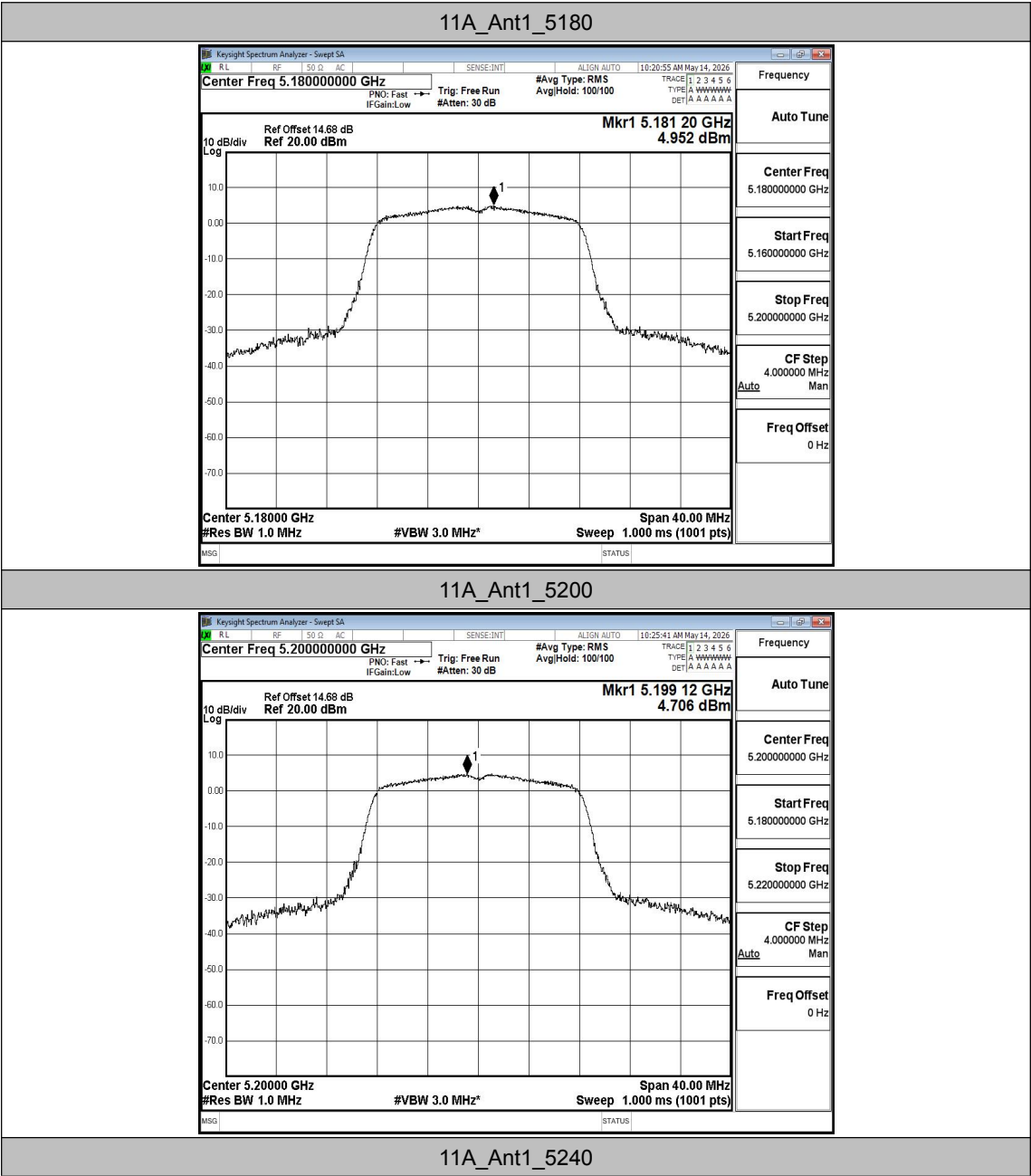
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	NA	16.04	0.12	16.16	≤23.98	PASS
		5200	NA	15.85	0.15	16.00	≤23.98	PASS
		5240	NA	16.10	0.15	16.25	≤23.98	PASS
11N20SISO	Ant1	5180	NA	15.74	0.17	15.91	≤23.98	PASS
		5200	NA	15.80	0.16	15.96	≤23.98	PASS
		5240	NA	16.06	0.16	16.22	≤23.98	PASS
11N40SISO	Ant1	5190	NA	15.73	0.33	16.06	≤23.98	PASS
		5230	NA	15.64	0.26	15.90	≤23.98	PASS
11AC20SISO	Ant1	5180	NA	15.89	0.13	16.02	≤23.98	PASS
		5200	NA	15.79	0.16	15.95	≤23.98	PASS
		5240	NA	16.00	0.13	16.13	≤23.98	PASS
11AC40SISO	Ant1	5190	NA	15.76	0.26	16.02	≤23.98	PASS
		5230	NA	15.64	0.26	15.90	≤23.98	PASS
11AC80SISO	Ant1	5210	NA	15.39	0.50	15.89	≤23.98	PASS

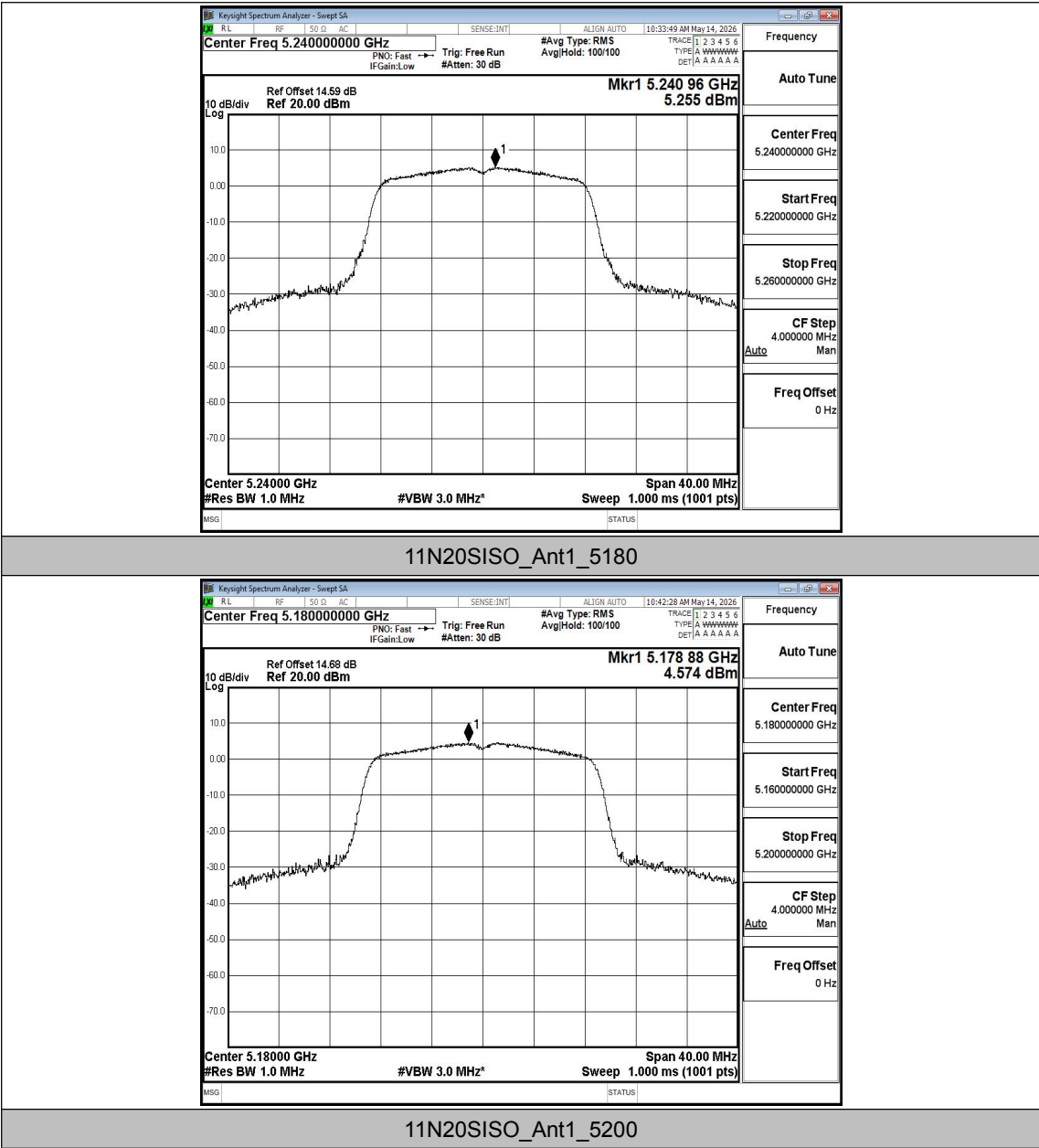
D.3 Maximum power spectral density

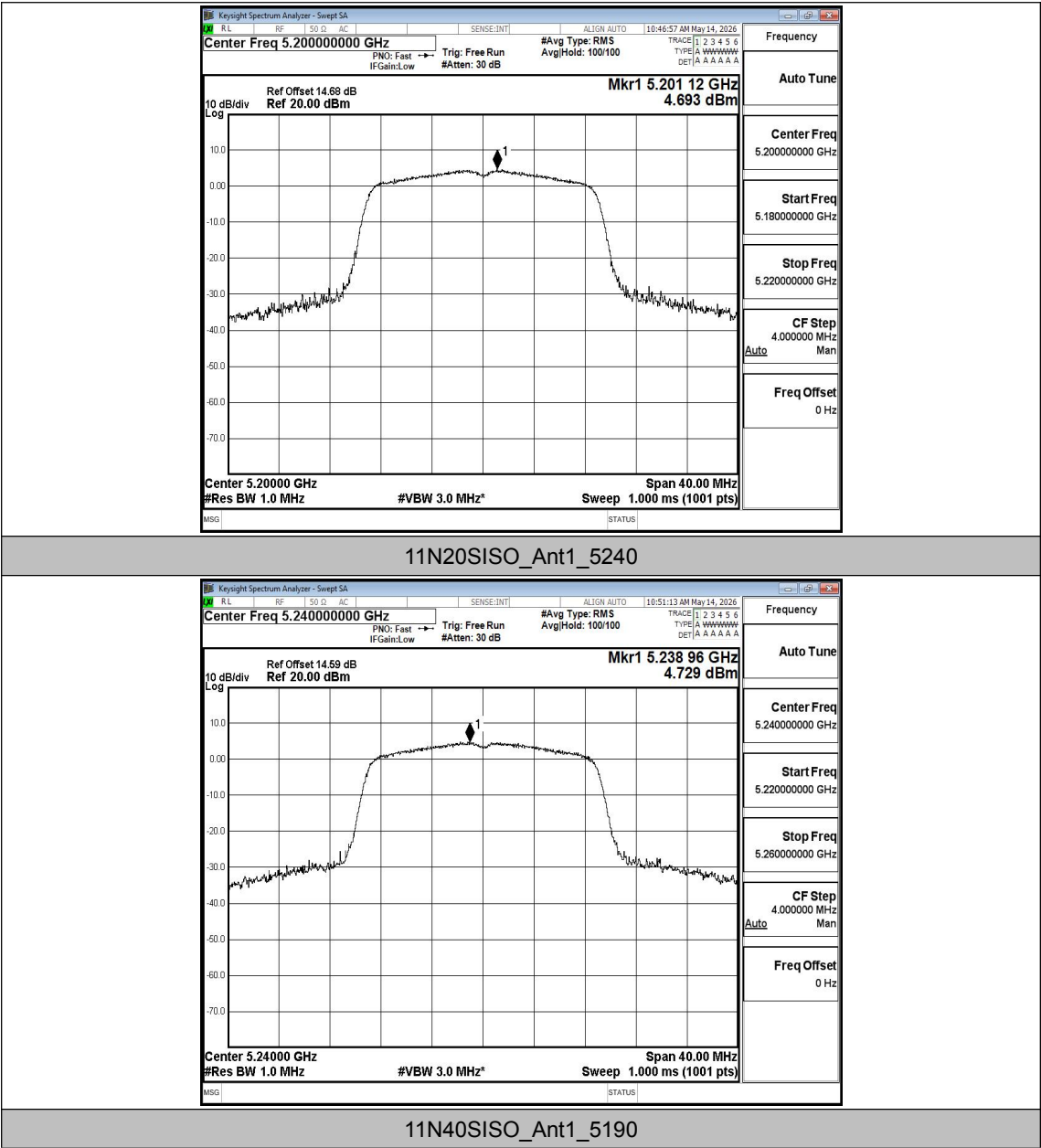
Test Result

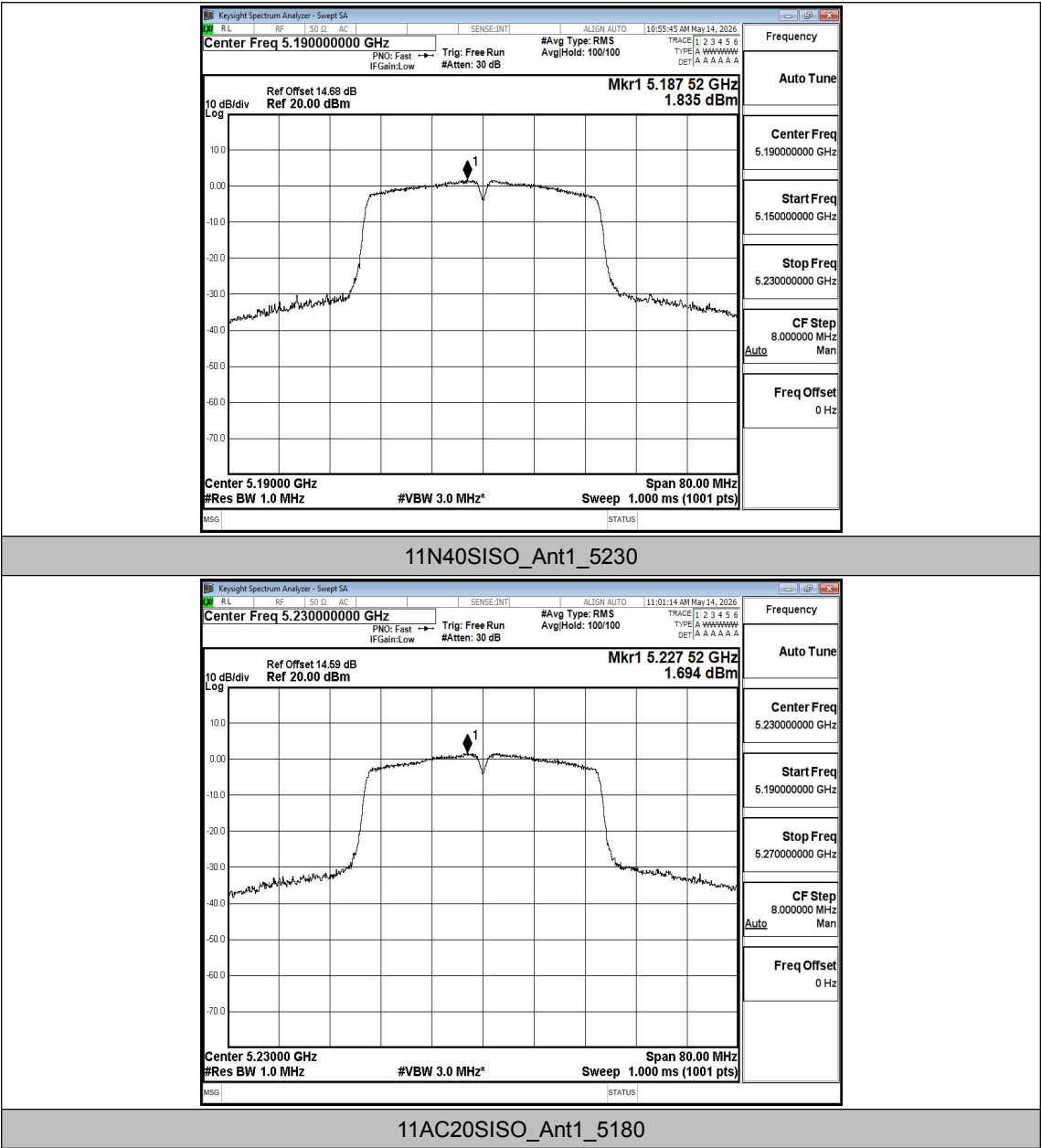
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	4.95	0.12	5.07	≤11.00	PASS
		5200	4.71	0.15	4.86	≤11.00	PASS
		5240	5.26	0.15	5.41	≤11.00	PASS
11N20SISO	Ant1	5180	4.57	0.17	4.74	≤11.00	PASS
		5200	4.69	0.16	4.85	≤11.00	PASS
		5240	4.73	0.16	4.89	≤11.00	PASS
11N40SISO	Ant1	5190	1.84	0.33	2.17	≤11.00	PASS
		5230	1.69	0.26	1.95	≤11.00	PASS
11AC20SISO	Ant1	5180	4.66	0.13	4.79	≤11.00	PASS
		5200	4.68	0.16	4.84	≤11.00	PASS
		5240	5.19	0.13	5.32	≤11.00	PASS
11AC40SISO	Ant1	5190	1.84	0.26	2.10	≤11.00	PASS
		5230	1.79	0.26	2.05	≤11.00	PASS
11AC80SISO	Ant1	5210	-1.64	0.50	-1.14	≤11.00	PASS

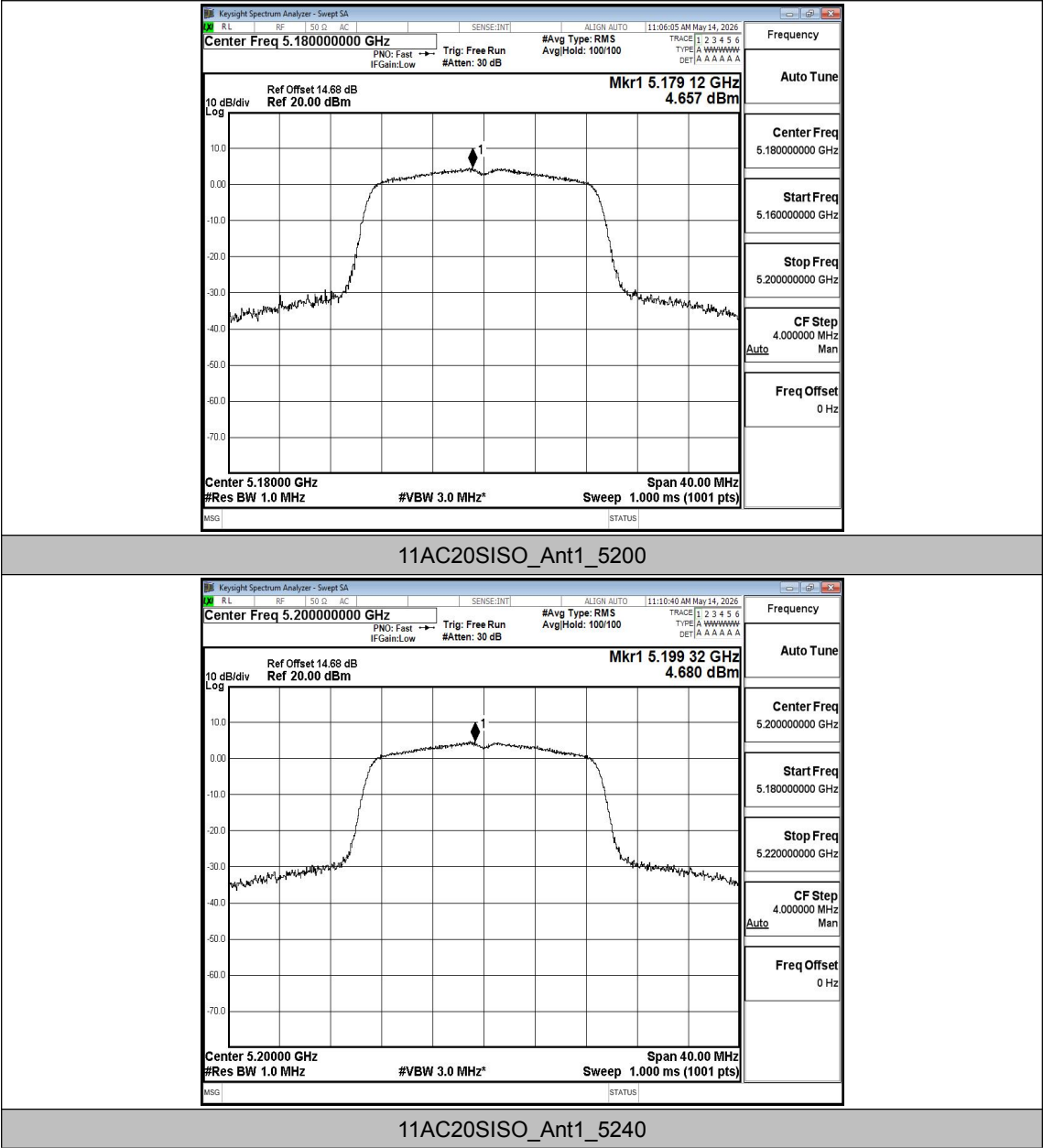
Test Graphs

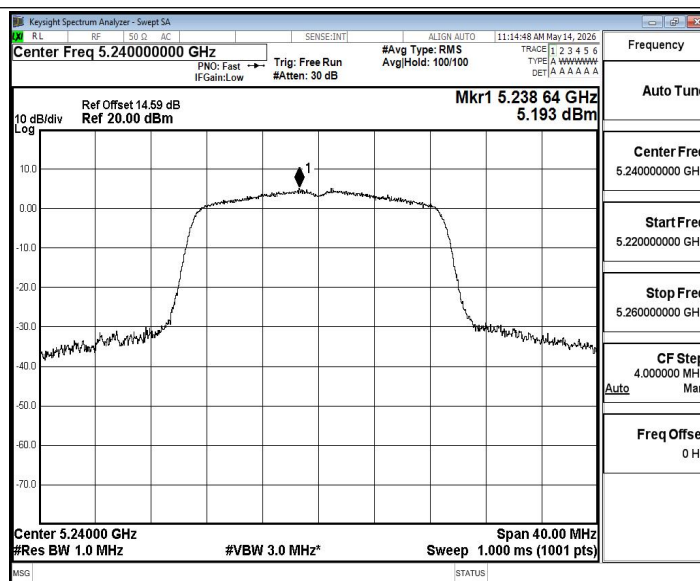




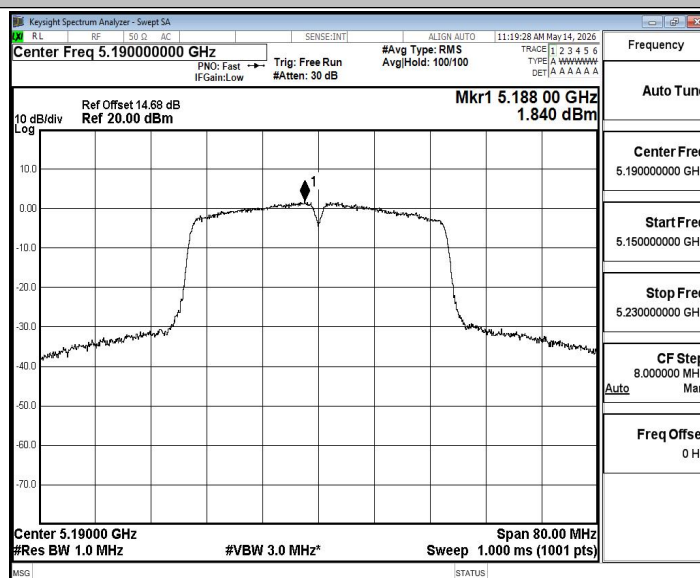




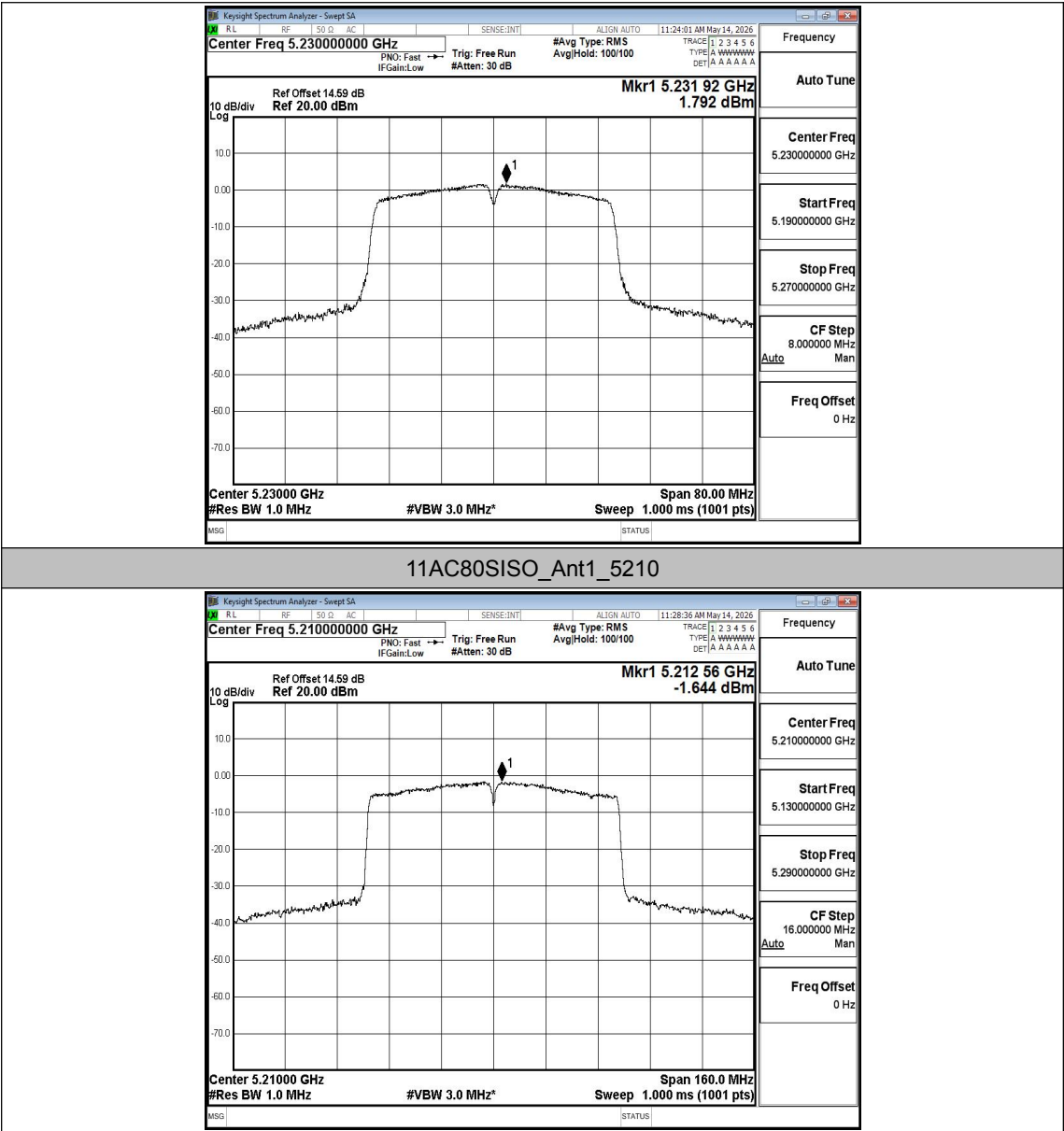




11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



D.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	5180	AV	4500.000	-56.38	≤-44.10	2.78	0.12	41.72	≤54	PASS
				AV	5149.600	-47.93	≤-44.10	2.78	0.12	50.17	≤54	PASS
				AV	5150.000	-48.58	≤-44.10	2.78	0.12	49.52	≤54	PASS
				Peak	4500.000	-49.49	≤-29.78	2.78	0.00	48.49	≤68.2	PASS
				Peak	5148.200	-36.02	≤-29.78	2.78	0.00	61.96	≤68.2	PASS
				Peak	5150.000	-34.65	≤-29.78	2.78	0.00	63.33	≤68.2	PASS
		High	5240	AV	5350.000	-53.94	≤-44.13	2.78	0.15	44.19	≤54	PASS
				AV	5352.240	-53.47	≤-44.13	2.78	0.15	44.66	≤54	PASS
				AV	5460.000	-55.45	≤-44.13	2.78	0.15	42.68	≤54	PASS
				Peak	5350.000	-47.23	≤-29.78	2.78	0.00	50.75	≤68.2	PASS
				Peak	5411.760	-43.88	≤-29.78	2.78	0.00	54.10	≤68.2	PASS
				Peak	5460.000	-47.92	≤-29.78	2.78	0.00	50.06	≤68.2	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-56.88	≤-44.15	2.78	0.17	41.27	≤54	PASS
				AV	5149.600	-44.84	≤-44.15	2.78	0.17	53.31	≤54	PASS
				AV	5150.000	-46.19	≤-44.15	2.78	0.17	51.96	≤54	PASS
				Peak	4500.000	-46.51	≤-29.78	2.78	0.00	51.47	≤68.2	PASS
				Peak	5149.600	-30.46	≤-29.78	2.78	0.00	67.52	≤68.2	PASS
				Peak	5150.000	-34.5	≤-29.78	2.78	0.00	63.48	≤68.2	PASS
		High	5240	AV	5350.000	-53.64	≤-44.14	2.78	0.16	44.50	≤54	PASS
				AV	5350.320	-53.47	≤-44.14	2.78	0.16	44.67	≤54	PASS
				AV	5460.000	-55.23	≤-44.14	2.78	0.16	42.91	≤54	PASS
				Peak	5350.000	-45.65	≤-29.78	2.78	0.00	52.33	≤68.2	PASS
				Peak	5355.600	-43.34	≤-29.78	2.78	0.00	54.64	≤68.2	PASS
				Peak	5460.000	-46.98	≤-29.78	2.78	0.00	51.00	≤68.2	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-56.73	≤-44.31	2.78	0.33	41.58	≤54	PASS
				AV	5148.200	-52.34	≤-44.31	2.78	0.33	45.97	≤54	PASS
				AV	5150.000	-52.99	≤-44.31	2.78	0.33	45.32	≤54	PASS
				Peak	4500.000	-47.01	≤-29.78	2.78	0.00	50.97	≤68.2	PASS
				Peak	5078.900	-42.76	≤-29.78	2.78	0.00	55.22	≤68.2	PASS
				Peak	5150.000	-44.25	≤-29.78	2.78	0.00	53.73	≤68.2	PASS
		High	5230	AV	5350.000	-53.81	≤-44.24	2.78	0.26	44.43	≤54	PASS
				AV	5350.280	-53.37	≤-44.24	2.78	0.26	44.87	≤54	PASS
				AV	5460.000	-55.31	≤-44.24	2.78	0.26	42.93	≤54	PASS
				Peak	5350.000	-44.7	≤-29.78	2.78	0.00	53.28	≤68.2	PASS

				Peak	5389.280	-43.77	≤-29.78	2.78	0.00	54.21	≤68.2	PASS
				Peak	5460.000	-48.85	≤-29.78	2.78	0.00	49.13	≤68.2	PASS
11AC20SISO	Ant1	Low	5180	AV	4500.000	-56.76	≤-44.11	2.78	0.13	41.35	≤54	PASS
				AV	5149.600	-47.69	≤-44.11	2.78	0.13	50.42	≤54	PASS
				AV	5150.000	-47.74	≤-44.11	2.78	0.13	50.37	≤54	PASS
				Peak	4500.000	-47.74	≤-29.78	2.78	0.00	50.24	≤68.2	PASS
				Peak	5149.600	-31.83	≤-29.78	2.78	0.00	66.15	≤68.2	PASS
				Peak	5150.000	-32.79	≤-29.78	2.78	0.00	65.19	≤68.2	PASS
		High	5240	AV	5350.000	-54.17	≤-44.11	2.78	0.13	43.94	≤54	PASS
				AV	5355.120	-53.36	≤-44.11	2.78	0.13	44.75	≤54	PASS
				AV	5460.000	-55.52	≤-44.11	2.78	0.13	42.59	≤54	PASS
				Peak	5350.000	-47.15	≤-29.78	2.78	0.00	50.83	≤68.2	PASS
				Peak	5406.000	-42.88	≤-29.78	2.78	0.00	55.10	≤68.2	PASS
				Peak	5460.000	-46.58	≤-29.78	2.78	0.00	51.40	≤68.2	PASS
11AC40SISO	Ant1	Low	5190	AV	4500.000	-56.84	≤-44.24	2.78	0.26	41.40	≤54	PASS
				AV	5148.900	-50.45	≤-44.24	2.78	0.26	47.79	≤54	PASS
				AV	5150.000	-50.89	≤-44.24	2.78	0.26	47.35	≤54	PASS
				Peak	4500.000	-48.15	≤-29.78	2.78	0.00	49.83	≤68.2	PASS
				Peak	5146.800	-37.98	≤-29.78	2.78	0.00	60.00	≤68.2	PASS
				Peak	5150.000	-39.09	≤-29.78	2.78	0.00	58.89	≤68.2	PASS
		High	5230	AV	5350.000	-53.9	≤-44.24	2.78	0.26	44.34	≤54	PASS
				AV	5355.740	-53.48	≤-44.24	2.78	0.26	44.76	≤54	PASS
				AV	5460.000	-55.31	≤-44.24	2.78	0.26	42.93	≤54	PASS
				Peak	5350.000	-43.38	≤-29.78	2.78	0.00	54.60	≤68.2	PASS
				Peak	5350.020	-43.38	≤-29.78	2.78	0.00	54.60	≤68.2	PASS
				Peak	5460.000	-48.25	≤-29.78	2.78	0.00	49.73	≤68.2	PASS
11AC80SISO	Ant1	Low	5210	AV	4500.000	-56.53	≤-44.48	2.78	0.50	41.95	≤54	PASS
				AV	5145.000	-48.06	≤-44.48	2.78	0.50	50.42	≤54	PASS
				AV	5150.000	-49.51	≤-44.48	2.78	0.50	48.97	≤54	PASS
				Peak	4500.000	-49.11	≤-29.78	2.78	0.00	48.87	≤68.2	PASS
				Peak	5149.500	-33.7	≤-29.78	2.78	0.00	64.28	≤68.2	PASS
				Peak	5150.000	-33.78	≤-29.78	2.78	0.00	64.20	≤68.2	PASS
		High	5210	AV	5350.000	-51.68	≤-44.48	2.78	0.50	46.80	≤54	PASS
				AV	5352.480	-51.22	≤-44.48	2.78	0.50	47.26	≤54	PASS
				AV	5460.000	-55.23	≤-44.48	2.78	0.50	43.25	≤54	PASS
				Peak	5350.000	-41.47	≤-29.78	2.78	0.00	56.51	≤68.2	PASS
				Peak	5361.720	-40.51	≤-29.78	2.78	0.00	57.47	≤68.2	PASS
				Peak	5460.000	-48.61	≤-29.78	2.78	0.00	49.37	≤68.2	PASS

Note:

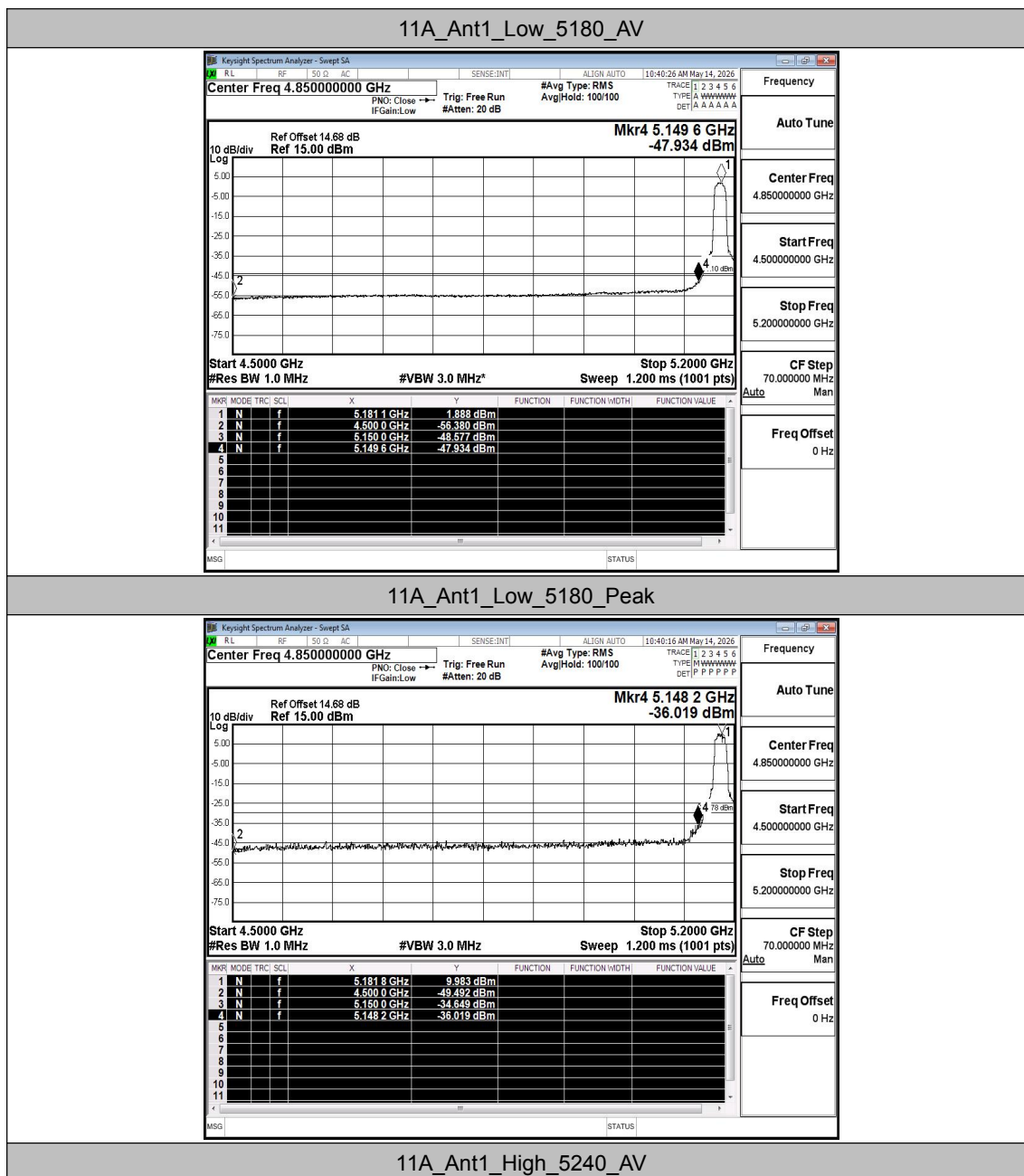
1. The Antenna Gain is compensated in the graph.

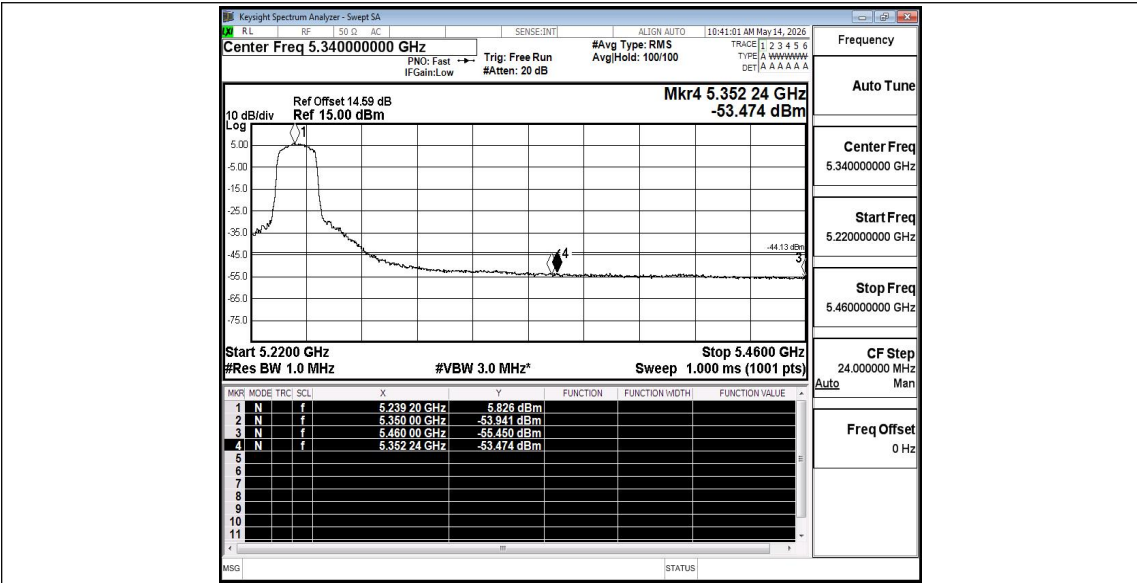
Guangzhou LCS Compliance Testing Laboratory Ltd.

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

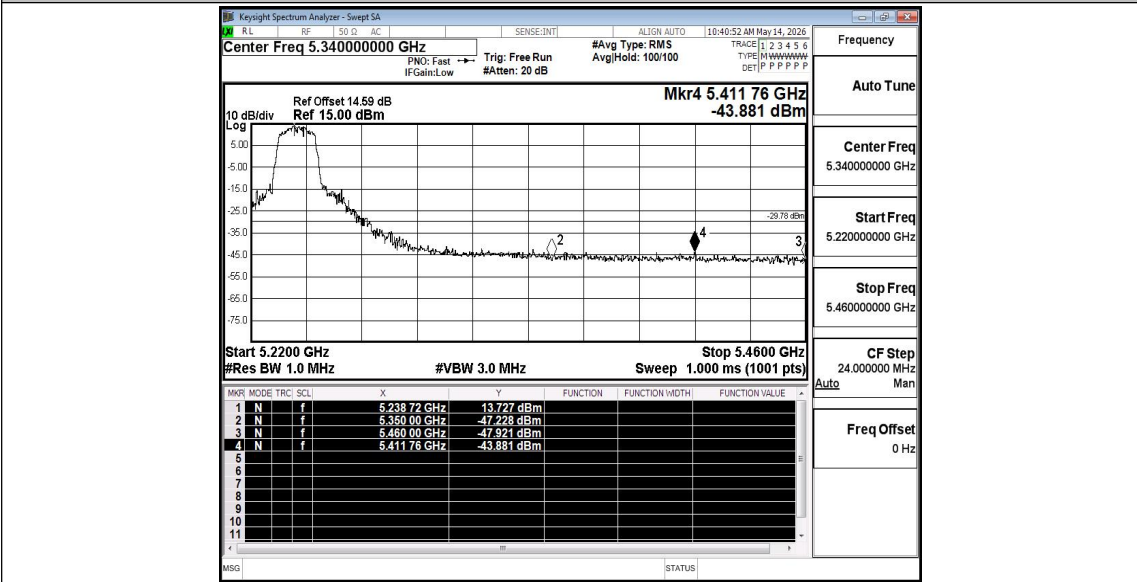
Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Test Graphs





11A_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5180_AV

