

Appendix F

RF Test Data for 5.5GWIFI(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

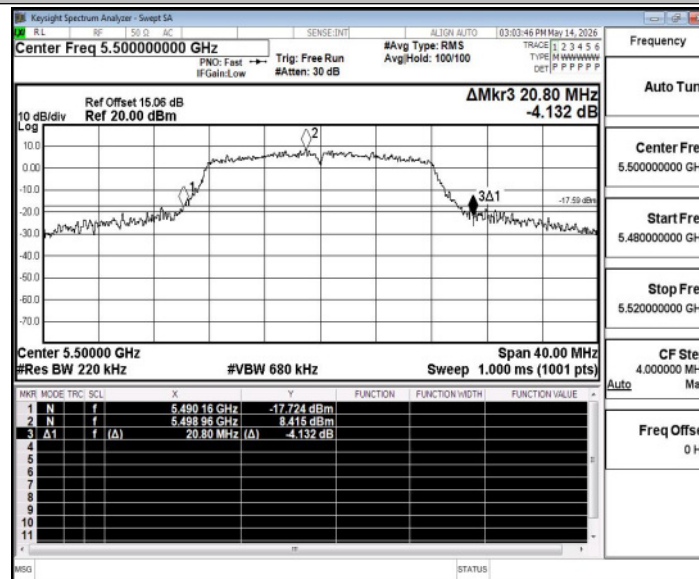
F.1 Emission Bandwidth

Test Result

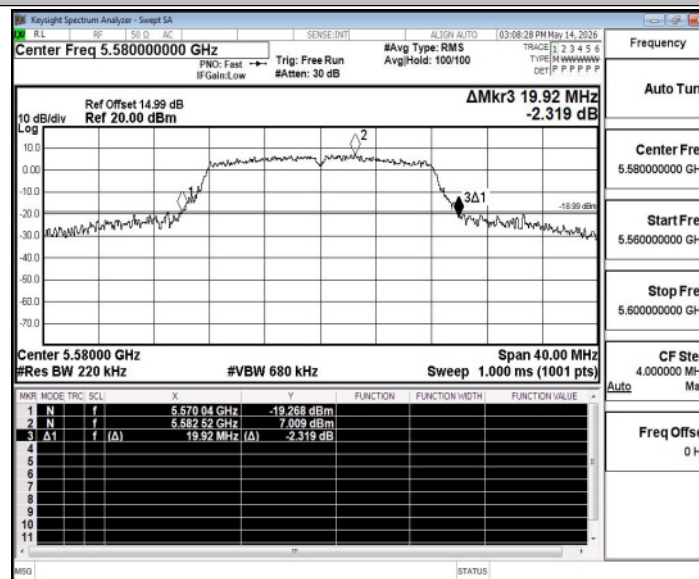
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	20.800	5490.160	5510.960	---	---
		5580	19.920	5570.040	5589.960	---	---
		5700	20.040	5689.920	5709.960	---	---
11N20SISO	Ant1	5500	20.480	5489.720	5510.200	---	---
		5580	20.320	5569.800	5590.120	---	---
		5700	20.200	5689.920	5710.120	---	---
11N40SISO	Ant1	5510	41.040	5489.600	5530.640	---	---
		5550	41.520	5529.360	5570.880	---	---
		5670	53.600	5636.880	5690.480	---	---
11AC20SISO	Ant1	5500	20.440	5489.800	5510.240	---	---
		5580	20.720	5569.840	5590.560	---	---
		5700	20.600	5689.680	5710.280	---	---
11AC40SISO	Ant1	5510	41.040	5489.440	5530.480	---	---
		5550	40.720	5529.680	5570.400	---	---
		5670	40.960	5649.440	5690.400	---	---
11AC80SISO	Ant1	5530	81.120	5489.520	5570.640	---	---
		5610	81.280	5569.200	5650.480	---	---

Test Graphs

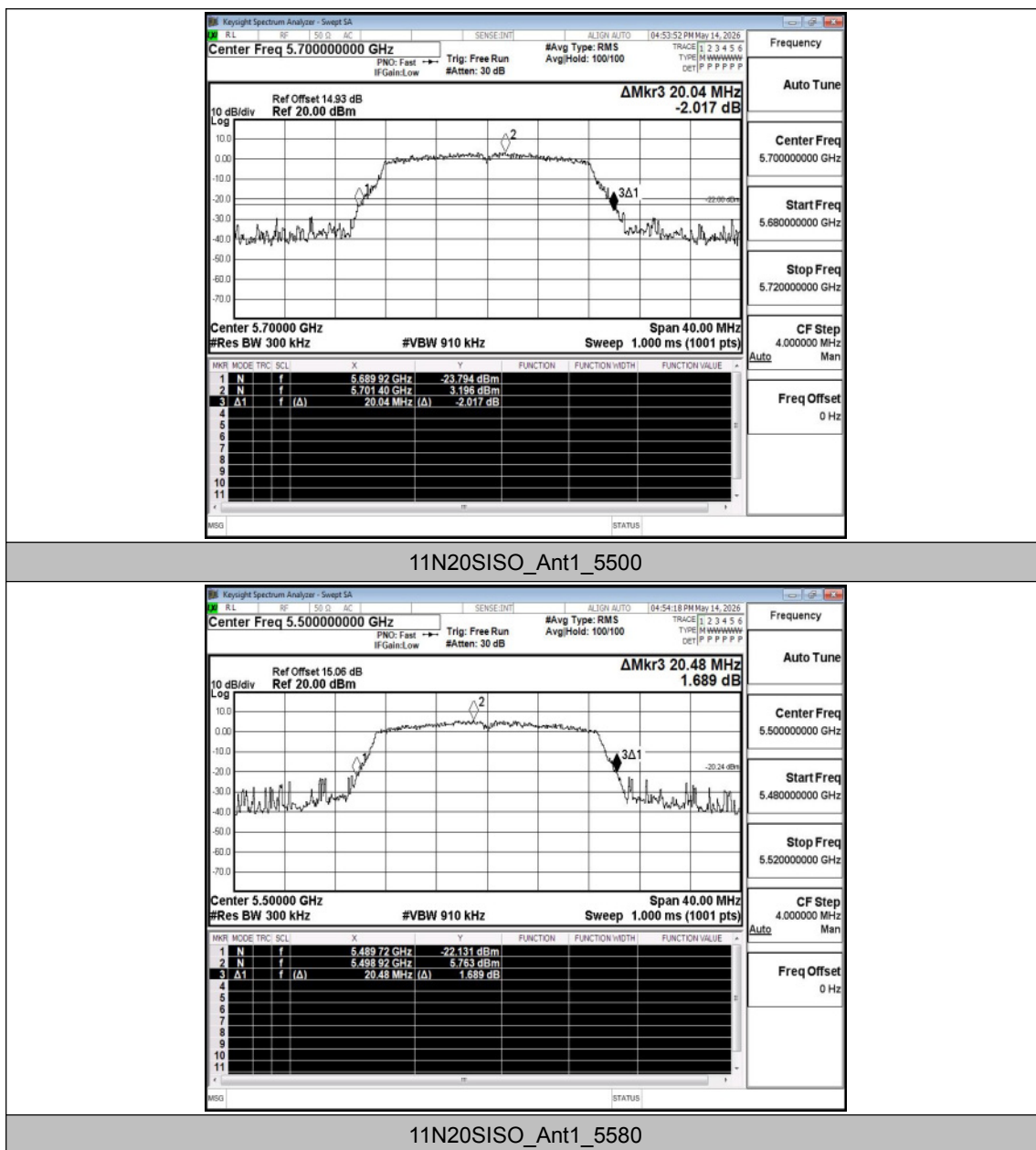
11A_Ant1_5500

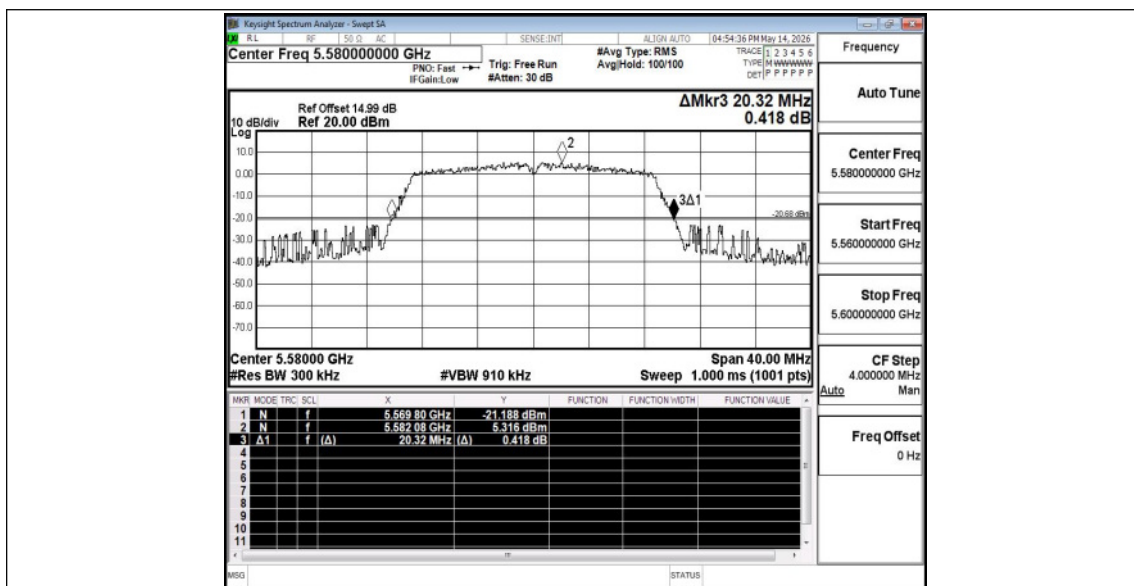


11A_Ant1_5580

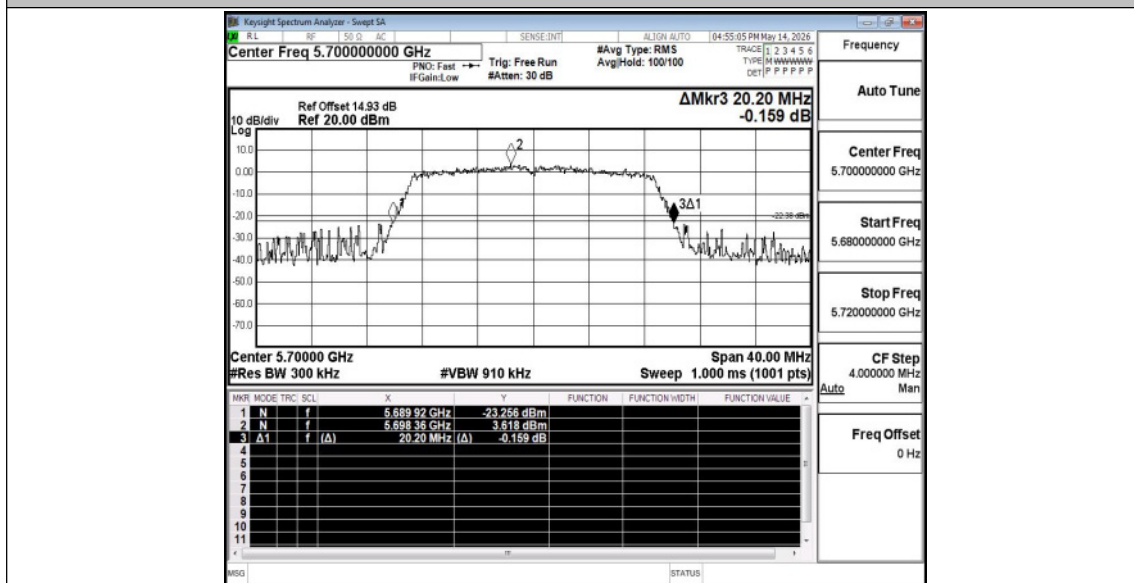


11A_Ant1_5700

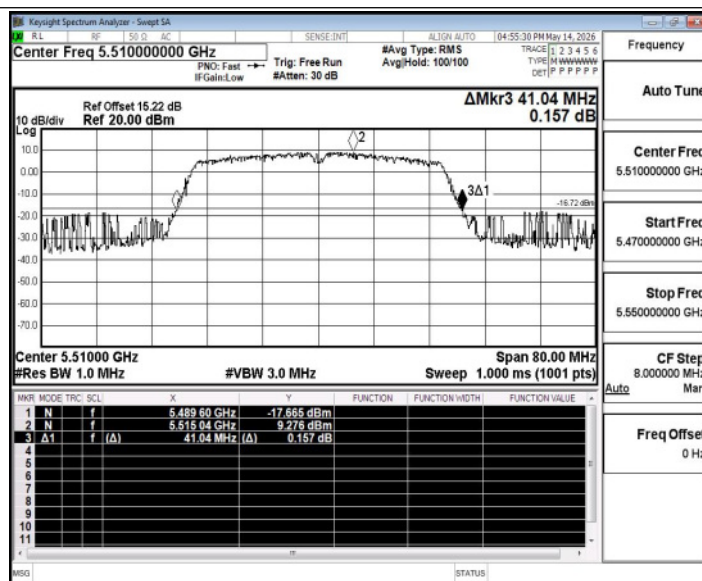




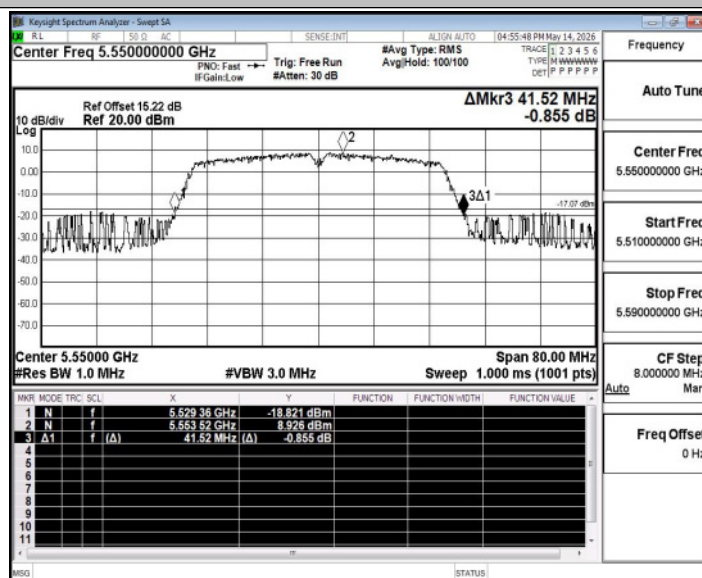
11N20SISO_Ant1_5700



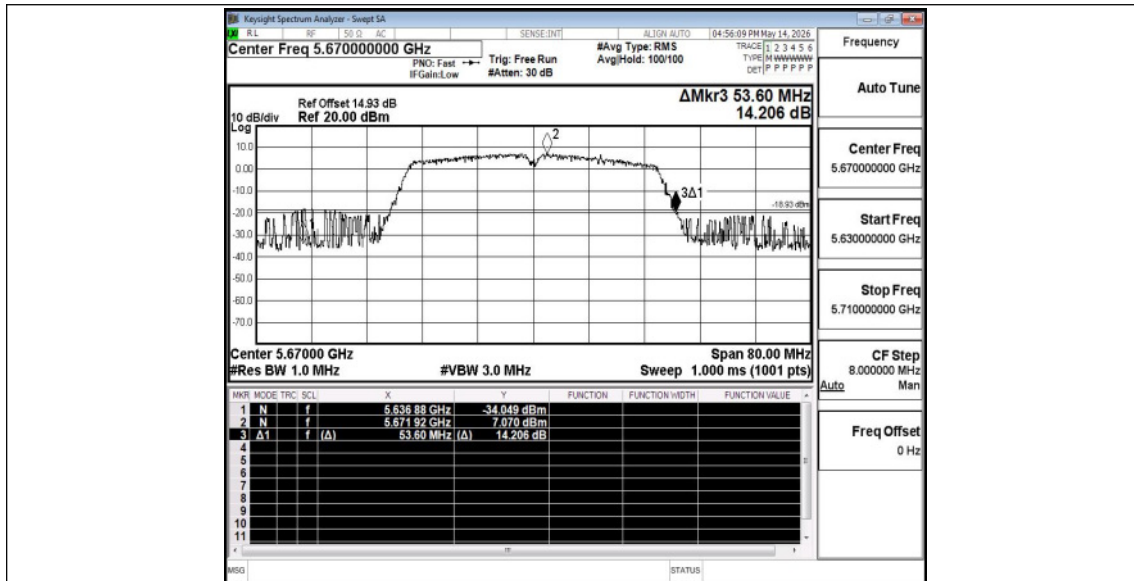
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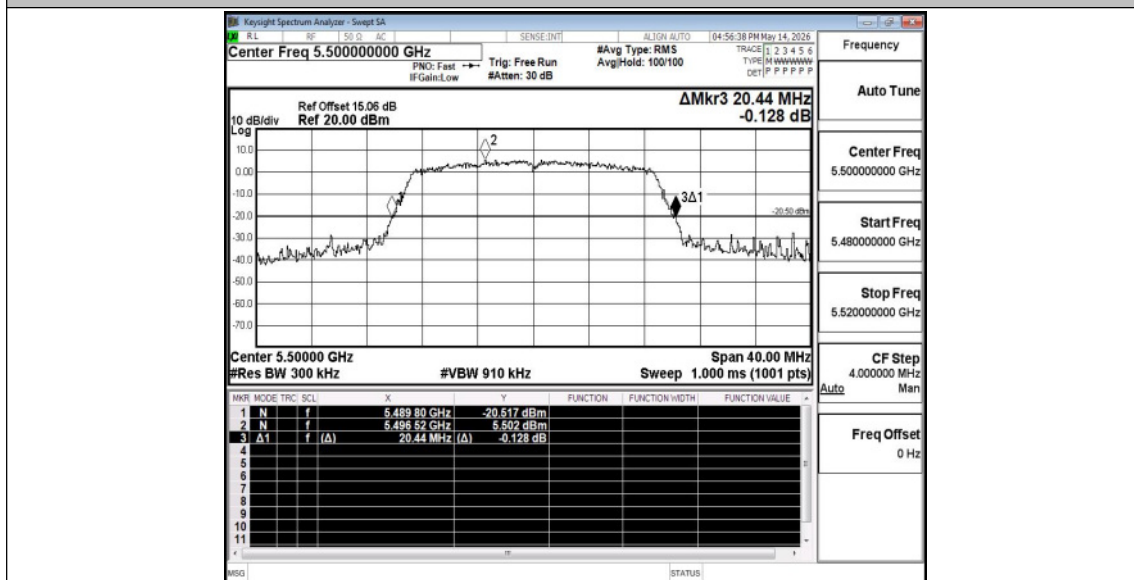
11N40SISO_Ant1_5550



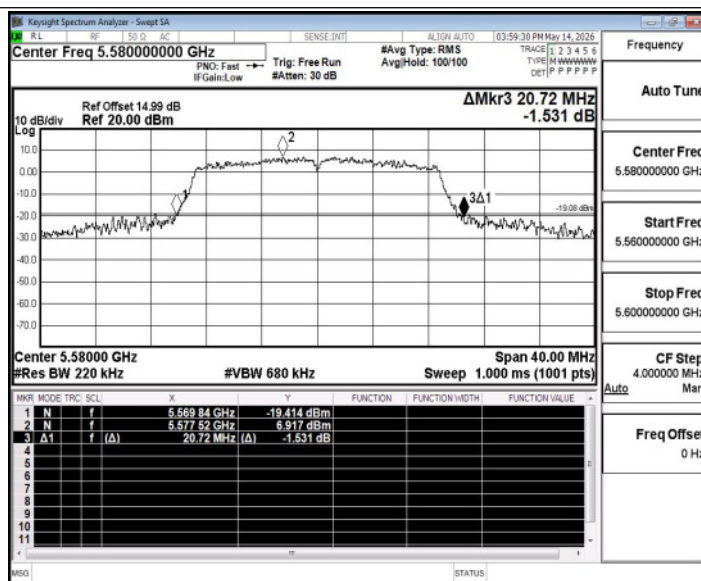
11N40SISO_Ant1_5670



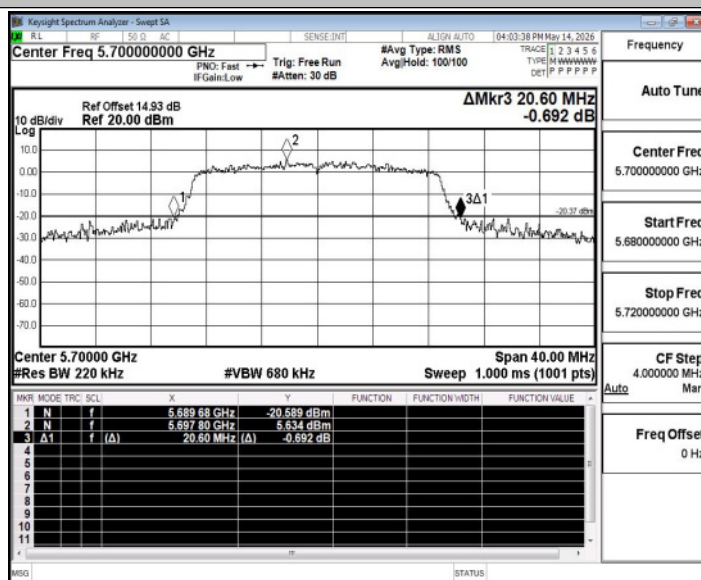
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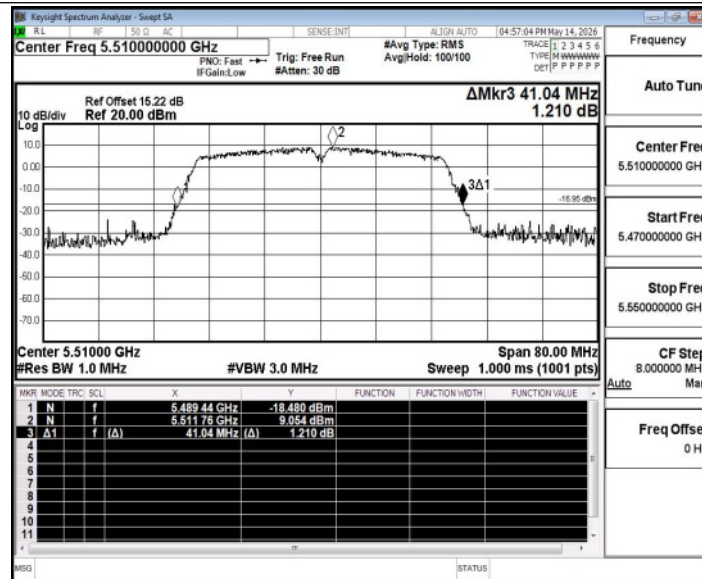
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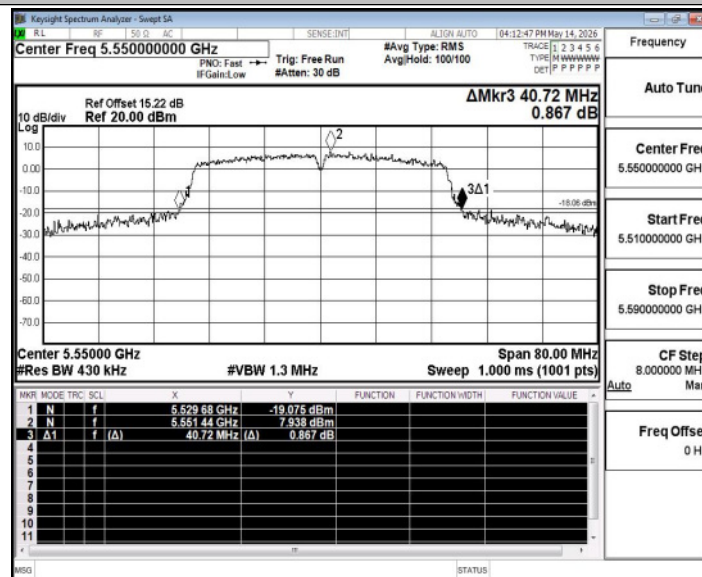
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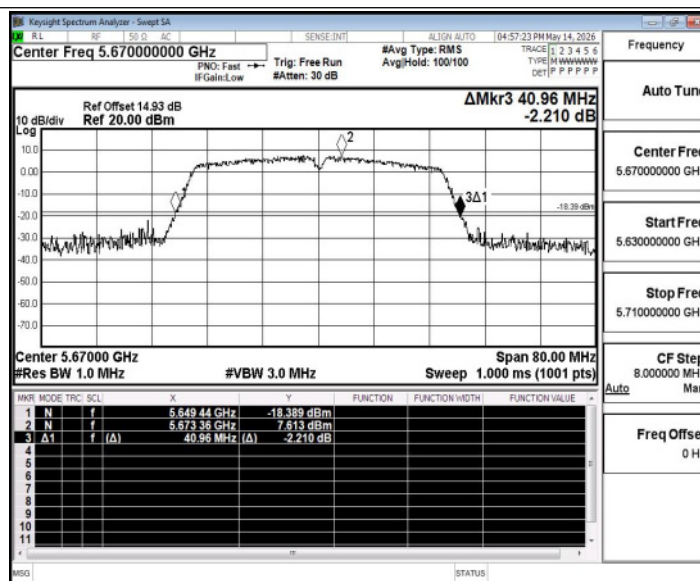
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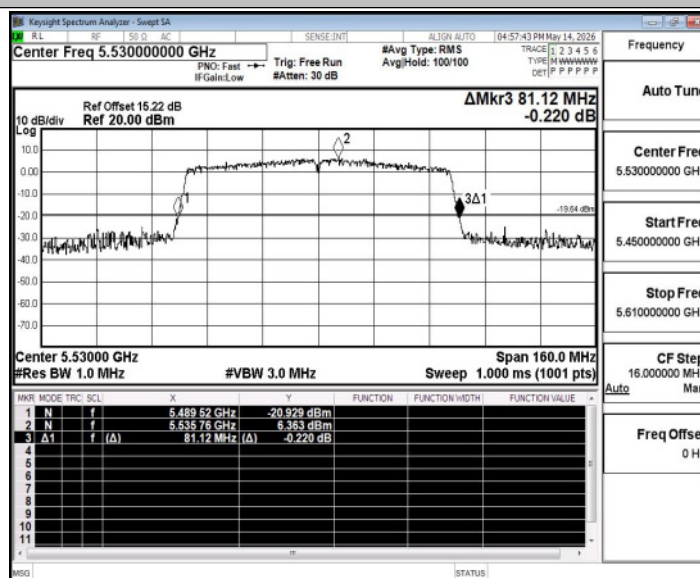
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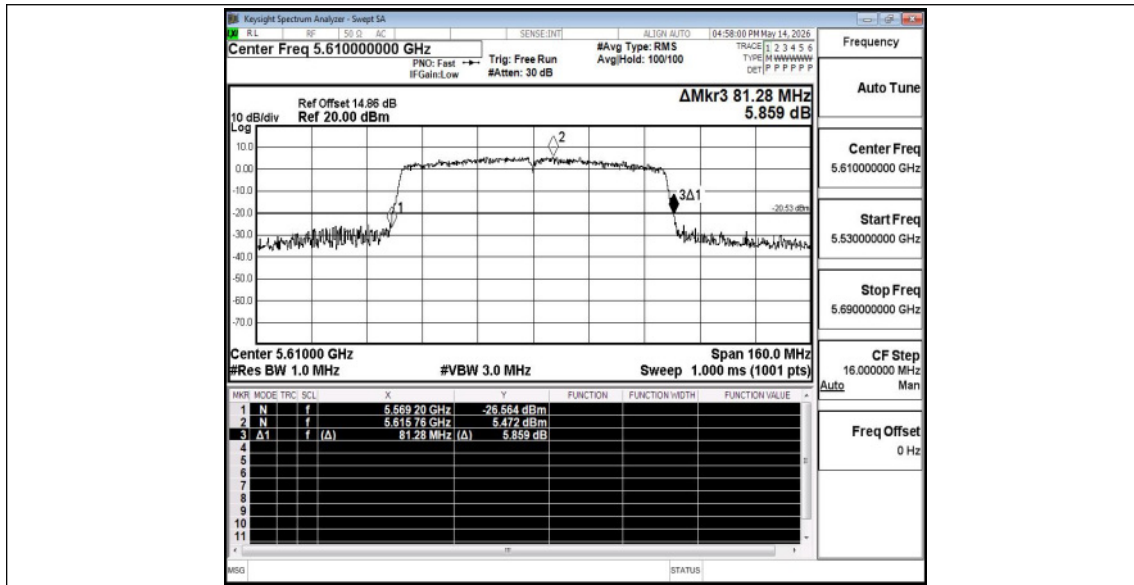
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



F.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	5500	NA	18.04	0.15	18.19	≤23.98	PASS
		5580	NA	17.60	0.12	17.72	≤23.98	PASS
		5700	NA	16.68	0.12	16.80	≤23.98	PASS
11N20SISO	Ant1	5500	NA	17.79	0.16	17.95	≤23.98	PASS
		5580	NA	17.42	0.17	17.59	≤23.98	PASS
		5700	NA	16.48	0.13	16.61	≤23.98	PASS
11N40SISO	Ant1	5510	NA	17.84	0.33	18.17	≤23.98	PASS
		5550	NA	17.73	0.32	18.05	≤23.98	PASS
		5670	NA	16.63	0.26	16.89	≤23.98	PASS
11AC20SISO	Ant1	5500	NA	18.01	0.13	18.14	≤23.98	PASS
		5580	NA	17.52	0.13	17.65	≤23.98	PASS
		5700	NA	16.54	0.16	16.70	≤23.98	PASS
11AC40SISO	Ant1	5510	NA	17.85	0.26	18.11	≤23.98	PASS
		5550	NA	17.54	0.26	17.80	≤23.98	PASS
		5670	NA	16.68	0.26	16.94	≤23.98	PASS
11AC80SISO	Ant1	5530	NA	17.61	0.63	18.24	≤23.98	PASS
		5610	NA	17.13	0.63	17.76	≤23.98	PASS

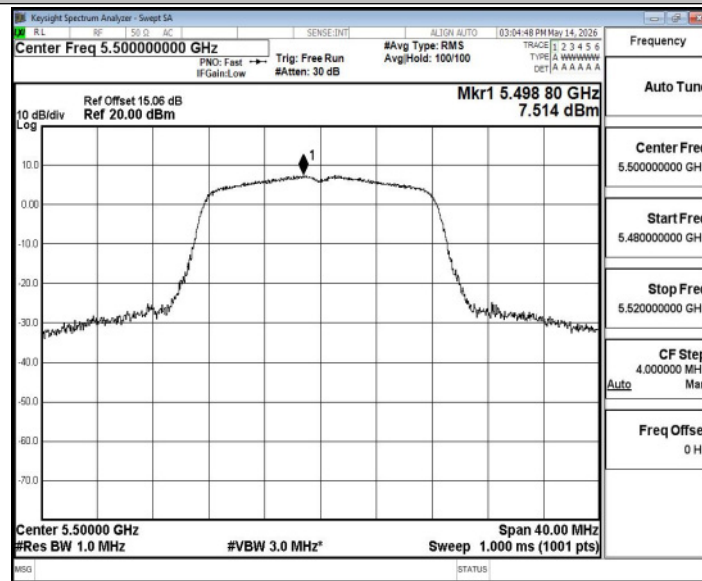
F.3 Maximum power spectral density

Test Result

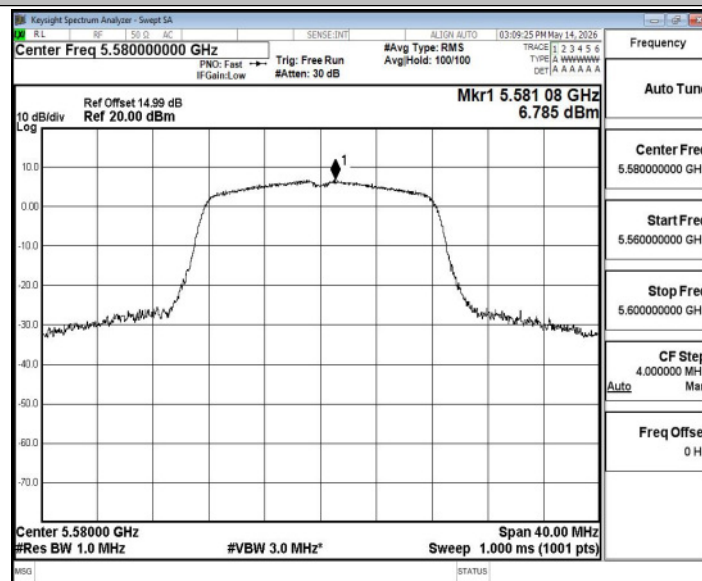
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5500	7.51	0.15	7.66	≤11.00	PASS
		5580	6.79	0.12	6.91	≤11.00	PASS
		5700	4.99	0.12	5.11	≤11.00	PASS
11N20SISO	Ant1	5500	7.13	0.16	7.29	≤11.00	PASS
		5580	6.21	0.17	6.38	≤11.00	PASS
		5700	4.51	0.13	4.64	≤11.00	PASS
11N40SISO	Ant1	5510	4.02	0.33	4.35	≤11.00	PASS
		5550	3.84	0.32	4.16	≤11.00	PASS
		5670	2.46	0.26	2.72	≤11.00	PASS
11AC20SISO	Ant1	5500	6.92	0.13	7.05	≤11.00	PASS
		5580	6.41	0.13	6.54	≤11.00	PASS
		5700	4.41	0.16	4.57	≤11.00	PASS
11AC40SISO	Ant1	5510	3.93	0.26	4.19	≤11.00	PASS
		5550	4.06	0.26	4.32	≤11.00	PASS
		5670	2.4	0.26	2.66	≤11.00	PASS
11AC80SISO	Ant1	5530	0.87	0.63	1.50	≤11.00	PASS
		5610	0.26	0.63	0.89	≤11.00	PASS

Test Graphs

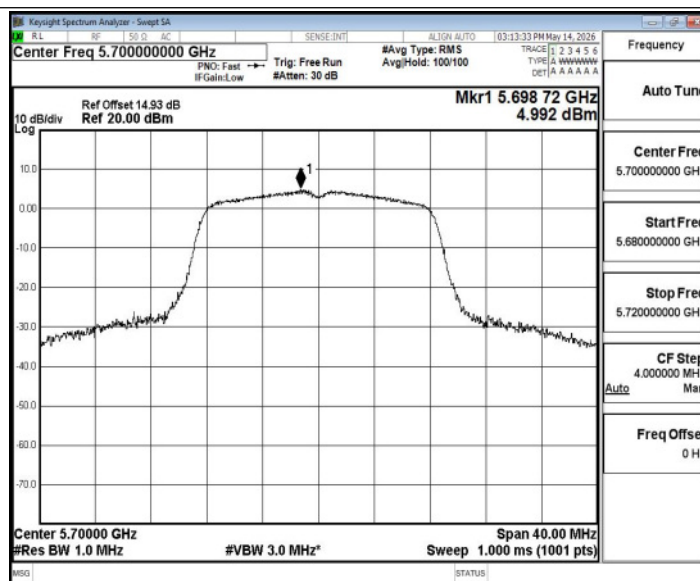
11A_Ant1_5500



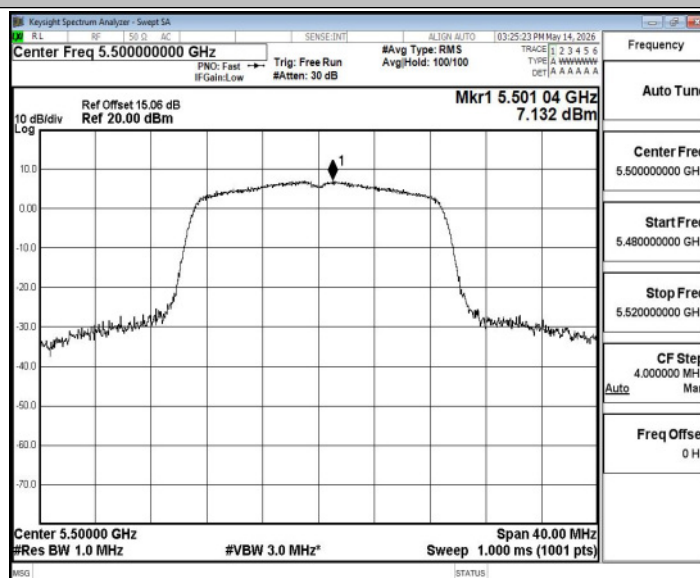
11A_Ant1_5580



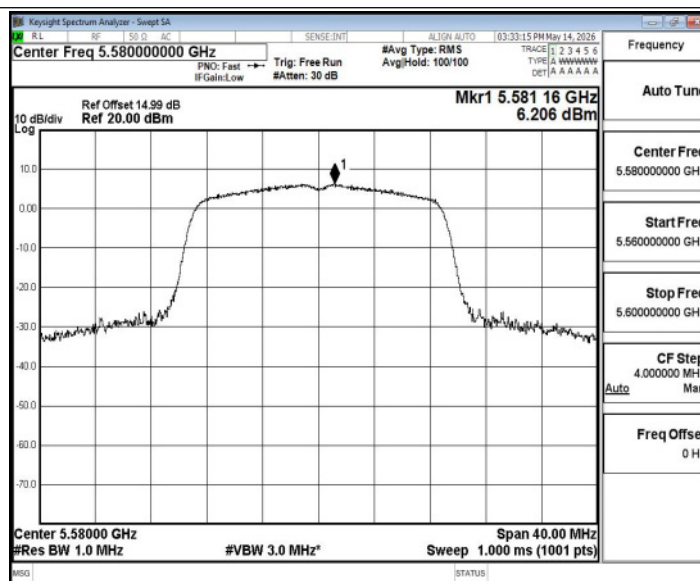
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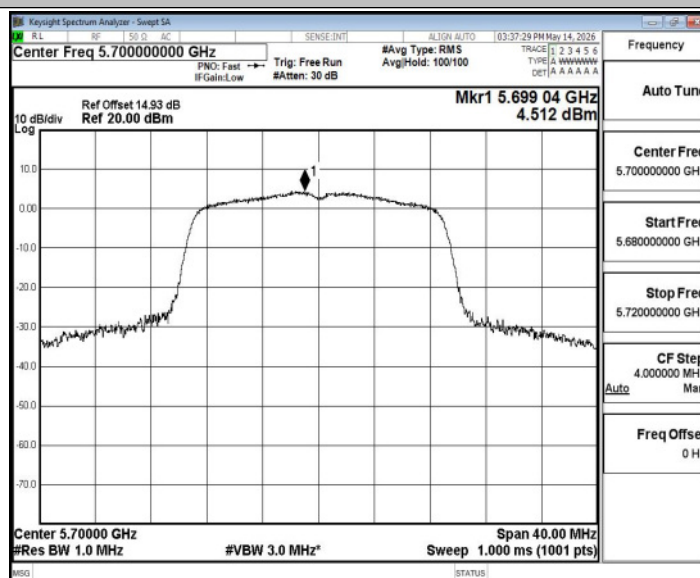
11N20SISO_Ant1_5500



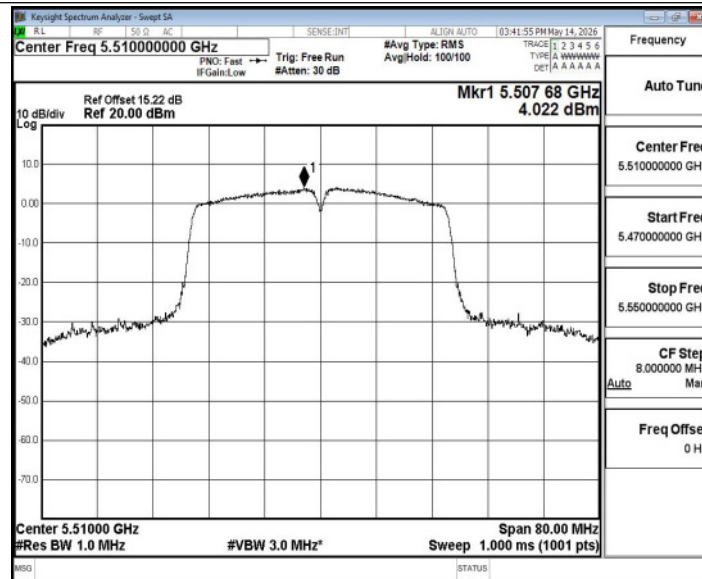
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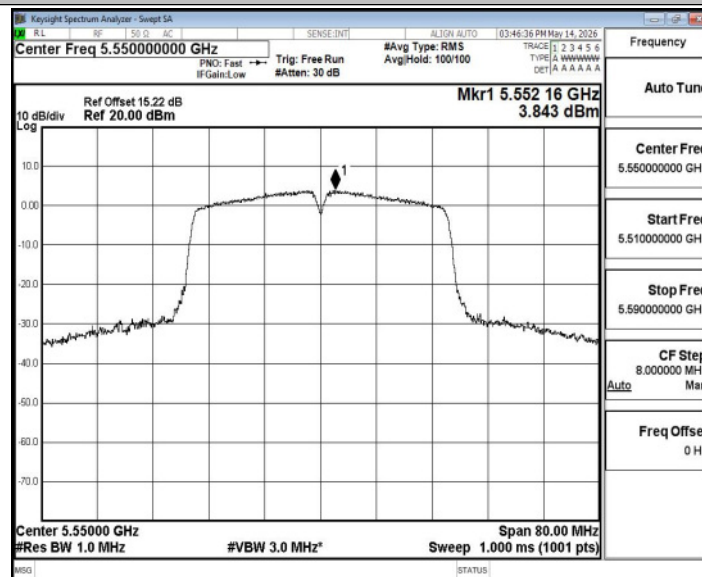
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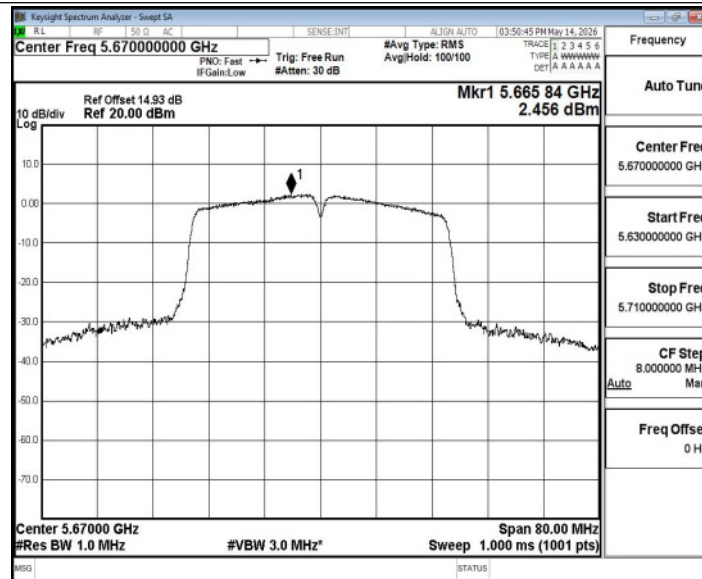
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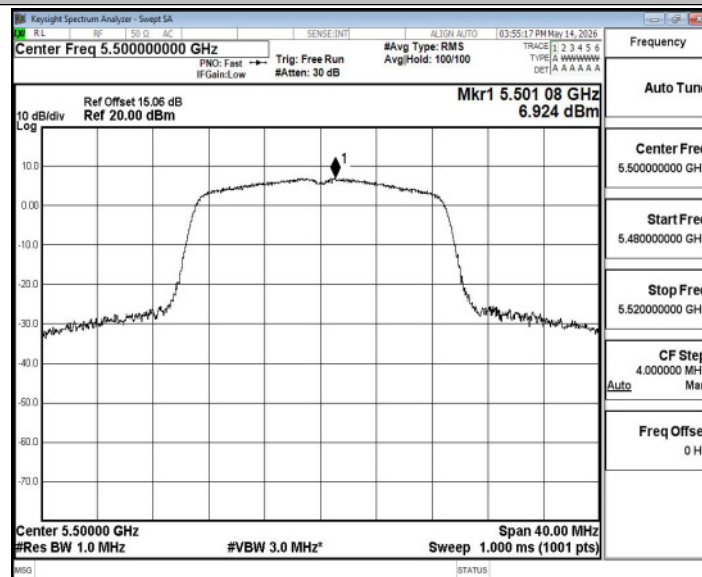
11N40SISO_Ant1_5550



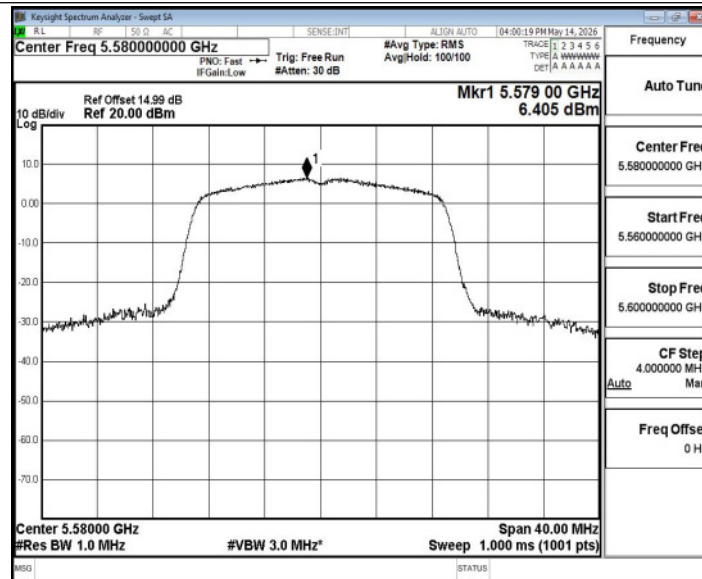
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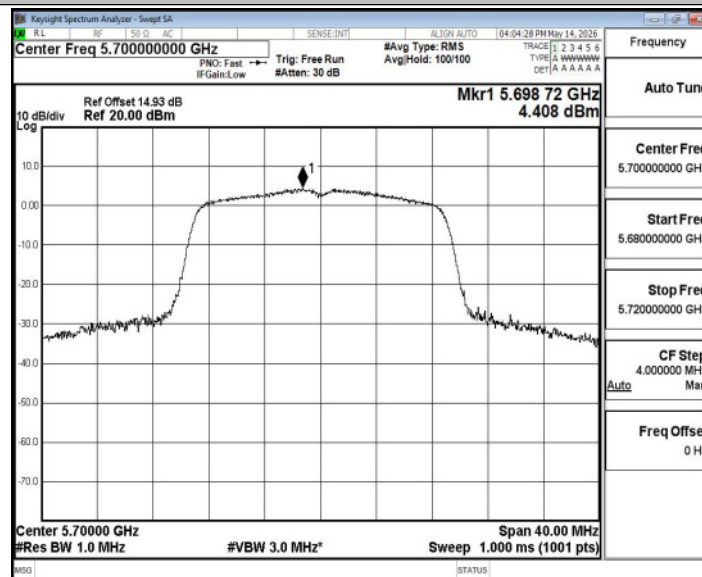
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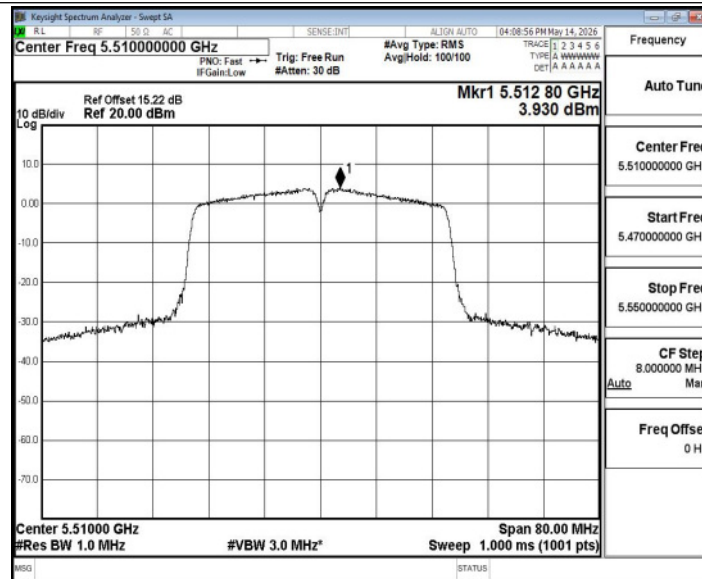
11AC20SISO_Ant1_5580



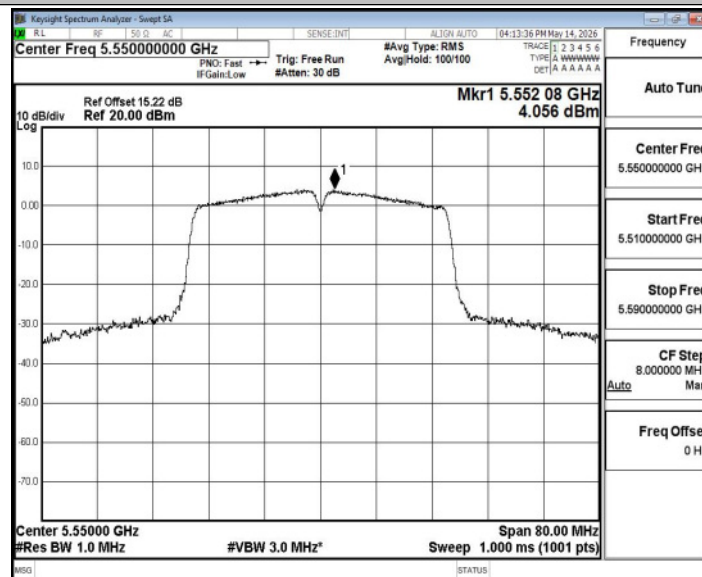
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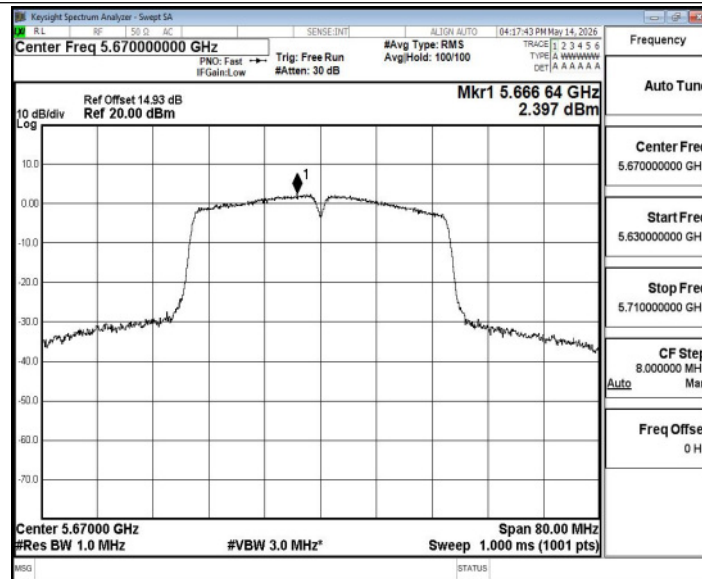
11AC40SISO_Ant1_5510



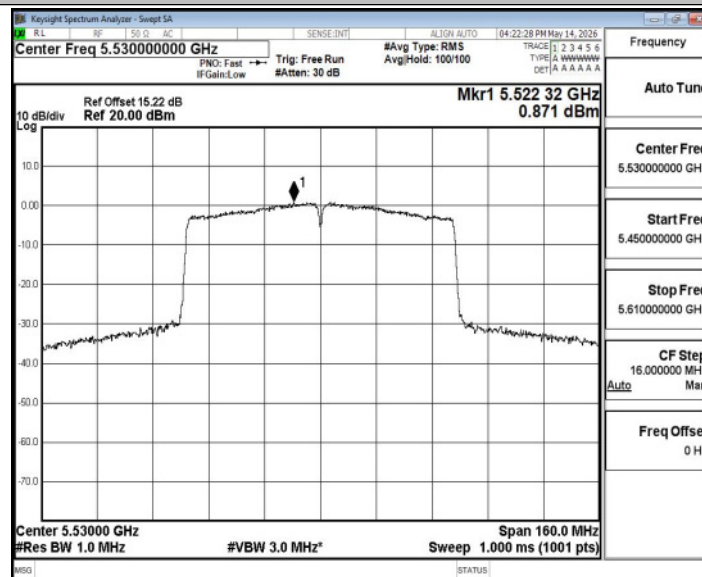
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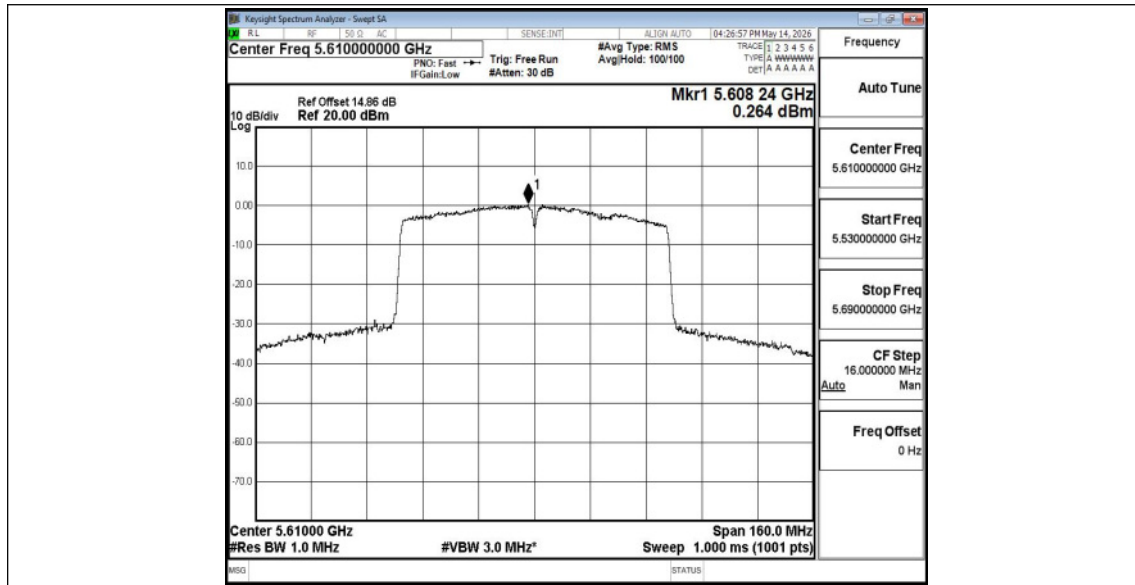
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



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	-54.33	≤-44.13	2.78	0.15	43.80	≤54	PASS
				AV	5459.180	-46.04	≤-44.13	2.78	0.15	52.09	≤54	PASS
				AV	5460.000	-45.89	≤-44.13	2.78	0.15	52.24	≤54	PASS
				Peak	5350.000	-47.11	≤-29.78	2.78	0.00	50.87	≤68.2	PASS
				Peak	5458.760	-31.53	≤-29.78	2.78	0.00	66.45	≤68.2	PASS
				Peak	5460.000	-33.79	≤-29.78	2.78	0.00	64.19	≤68.2	PASS
		High	5700	AV	5725.000	-52.63	≤-44.10	2.78	0.12	45.47	≤54	PASS
				AV	5726.860	-51.49	≤-44.10	2.78	0.12	46.61	≤54	PASS
				AV	5735.000	-52.87	≤-44.10	2.78	0.12	45.23	≤54	PASS
				Peak	5725.000	-44.15	≤-29.78	2.78	0.00	53.83	≤68.2	PASS
				Peak	5726.100	-35.82	≤-29.78	2.78	0.00	62.16	≤68.2	PASS
				Peak	5735.000	-44.92	≤-29.78	2.78	0.00	53.06	≤68.2	PASS
11N20SISO	Ant1	Low	5500	AV	5350.000	-54.7	≤-44.14	2.78	0.16	43.44	≤54	PASS
				AV	5455.190	-51.33	≤-44.14	2.78	0.16	46.81	≤54	PASS
				AV	5460.000	-51.49	≤-44.14	2.78	0.16	46.65	≤54	PASS
				Peak	5350.000	-47.56	≤-29.78	2.78	0.00	50.42	≤68.2	PASS
				Peak	5449.940	-38.17	≤-29.78	2.78	0.00	59.81	≤68.2	PASS
				Peak	5460.000	-44.6	≤-29.78	2.78	0.00	53.38	≤68.2	PASS
		High	5700	AV	5725.000	-51.82	≤-44.11	2.78	0.13	46.29	≤54	PASS
				AV	5726.290	-51.54	≤-44.11	2.78	0.13	46.57	≤54	PASS
				AV	5735.000	-52.49	≤-44.11	2.78	0.13	45.62	≤54	PASS
				Peak	5725.000	-43.99	≤-29.78	2.78	0.00	53.99	≤68.2	PASS
				Peak	5734.270	-35.66	≤-29.78	2.78	0.00	62.32	≤68.2	PASS
				Peak	5735.000	-45.21	≤-29.78	2.78	0.00	52.77	≤68.2	PASS
11N40SISO	Ant1	Low	5510	AV	5350.000	-54.57	≤-44.31	2.78	0.33	43.74	≤54	PASS
				AV	5459.940	-51.12	≤-44.31	2.78	0.33	47.19	≤54	PASS
				AV	5460.000	-51.12	≤-44.31	2.78	0.33	47.19	≤54	PASS
				Peak	5350.000	-47.09	≤-29.78	2.78	0.00	50.89	≤68.2	PASS
				Peak	5456.860	-33.57	≤-29.78	2.78	0.00	64.41	≤68.2	PASS
				Peak	5460.000	-43	≤-29.78	2.78	0.00	54.98	≤68.2	PASS
		High	5670	AV	5725.000	-53.5	≤-44.24	2.78	0.26	44.74	≤54	PASS
				AV	5725.670	-53.05	≤-44.24	2.78	0.26	45.19	≤54	PASS
				AV	5735.000	-54.2	≤-44.24	2.78	0.26	44.04	≤54	PASS
				Peak	5725.000	-46.64	≤-29.78	2.78	0.00	51.34	≤68.2	PASS

11AC20SISO	Ant1	Low	5500	Peak	5730.500	-42.44	≤-29.78	2.78	0.00	55.54	≤68.2	PASS
				Peak	5735.000	-46.06	≤-29.78	2.78	0.00	51.92	≤68.2	PASS
				AV	5350.000	-54.23	≤-44.11	2.78	0.13	43.88	≤54	PASS
				AV	5459.600	-45.79	≤-44.11	2.78	0.13	52.32	≤54	PASS
				AV	5460.000	-46.16	≤-44.11	2.78	0.13	51.95	≤54	PASS
				Peak	5350.000	-45.12	≤-29.78	2.78	0.00	52.86	≤68.2	PASS
		High	5700	Peak	5455.190	-30.4	≤-29.78	2.78	0.00	67.58	≤68.2	PASS
				Peak	5460.000	-33.4	≤-29.78	2.78	0.00	64.58	≤68.2	PASS
				AV	5725.000	-52.27	≤-44.14	2.78	0.16	45.87	≤54	PASS
				AV	5727.240	-51.98	≤-44.14	2.78	0.16	46.16	≤54	PASS
				AV	5735.000	-53.23	≤-44.14	2.78	0.16	44.91	≤54	PASS
				Peak	5725.000	-44.83	≤-29.78	2.78	0.00	53.15	≤68.2	PASS
11AC40SISO	Ant1	Low	5510	Peak	5725.910	-42.26	≤-29.78	2.78	0.00	55.72	≤68.2	PASS
				Peak	5735.000	-45.35	≤-29.78	2.78	0.00	52.63	≤68.2	PASS
				AV	5350.000	-54.68	≤-44.24	2.78	0.26	43.56	≤54	PASS
				AV	5459.940	-51.61	≤-44.24	2.78	0.26	46.63	≤54	PASS
				AV	5460.000	-51.61	≤-44.24	2.78	0.26	46.63	≤54	PASS
				Peak	5350.000	-46.31	≤-29.78	2.78	0.00	51.67	≤68.2	PASS
		High	5670	Peak	5456.640	-42.01	≤-29.78	2.78	0.00	55.97	≤68.2	PASS
				Peak	5460.000	-45.7	≤-29.78	2.78	0.00	52.28	≤68.2	PASS
				AV	5725.000	-53.83	≤-44.24	2.78	0.26	44.41	≤54	PASS
				AV	5729.580	-53.54	≤-44.24	2.78	0.26	44.70	≤54	PASS
				AV	5735.000	-53.96	≤-44.24	2.78	0.26	44.28	≤54	PASS
				Peak	5725.000	-44.01	≤-29.78	2.78	0.00	53.97	≤68.2	PASS
11AC80SISO	Ant1	Low	5530	Peak	5725.440	-44.07	≤-29.78	2.78	0.00	53.91	≤68.2	PASS
				Peak	5735.000	-45.88	≤-29.78	2.78	0.00	52.10	≤68.2	PASS
				AV	5350.000	-55.22	≤-44.61	2.78	0.63	43.39	≤54	PASS
				AV	5457.920	-49.78	≤-44.61	2.78	0.63	48.83	≤54	PASS
				AV	5460.000	-51.03	≤-44.61	2.78	0.63	47.58	≤54	PASS
				Peak	5350.000	-48.03	≤-29.78	2.78	0.00	49.95	≤68.2	PASS
		High	5610	Peak	5430.200	-39.59	≤-29.78	2.78	0.00	58.39	≤68.2	PASS
				Peak	5460.000	-42.81	≤-29.78	2.78	0.00	55.17	≤68.2	PASS
				AV	5725.000	-54.63	≤-44.61	2.78	0.63	43.98	≤54	PASS
				AV	5727.540	-54.26	≤-44.61	2.78	0.63	44.35	≤54	PASS
				AV	5735.000	-54.95	≤-44.61	2.78	0.63	43.66	≤54	PASS
				Peak	5725.000	-46.99	≤-29.78	2.78	0.00	50.99	≤68.2	PASS
				Peak	5730.180	-44.74	≤-29.78	2.78	0.00	53.24	≤68.2	PASS
				Peak	5735.000	-48.65	≤-29.78	2.78	0.00	49.33	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

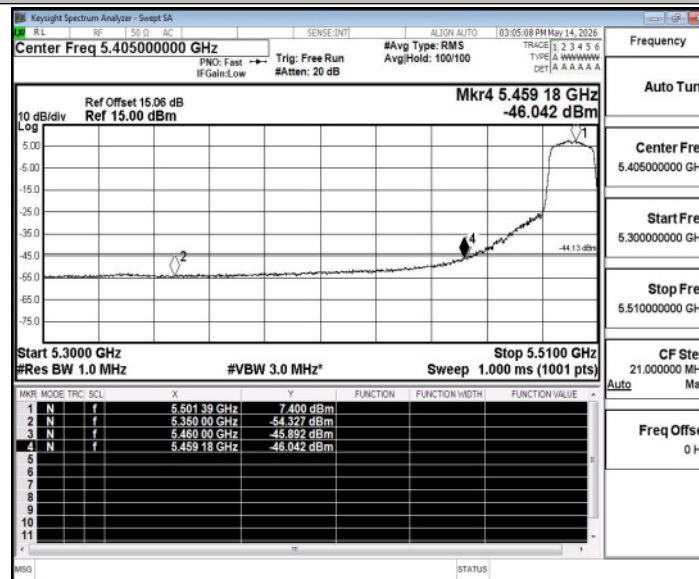
Guangzhou LCS Compliance Testing Laboratory Ltd.

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

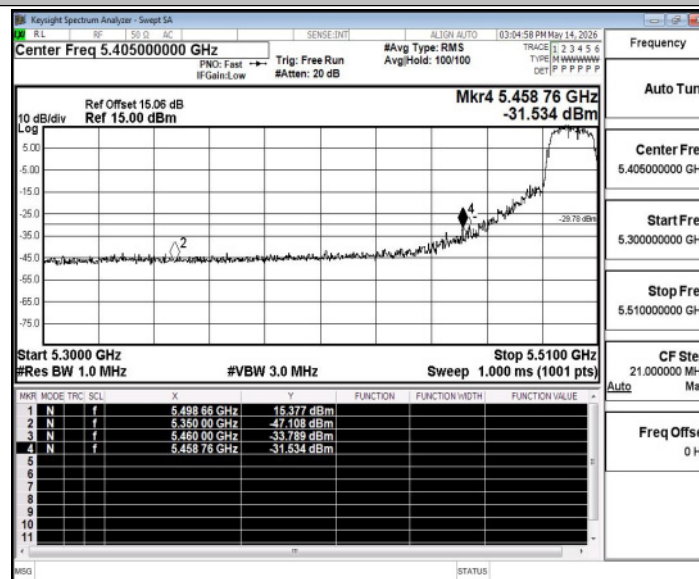
Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Test Graphs

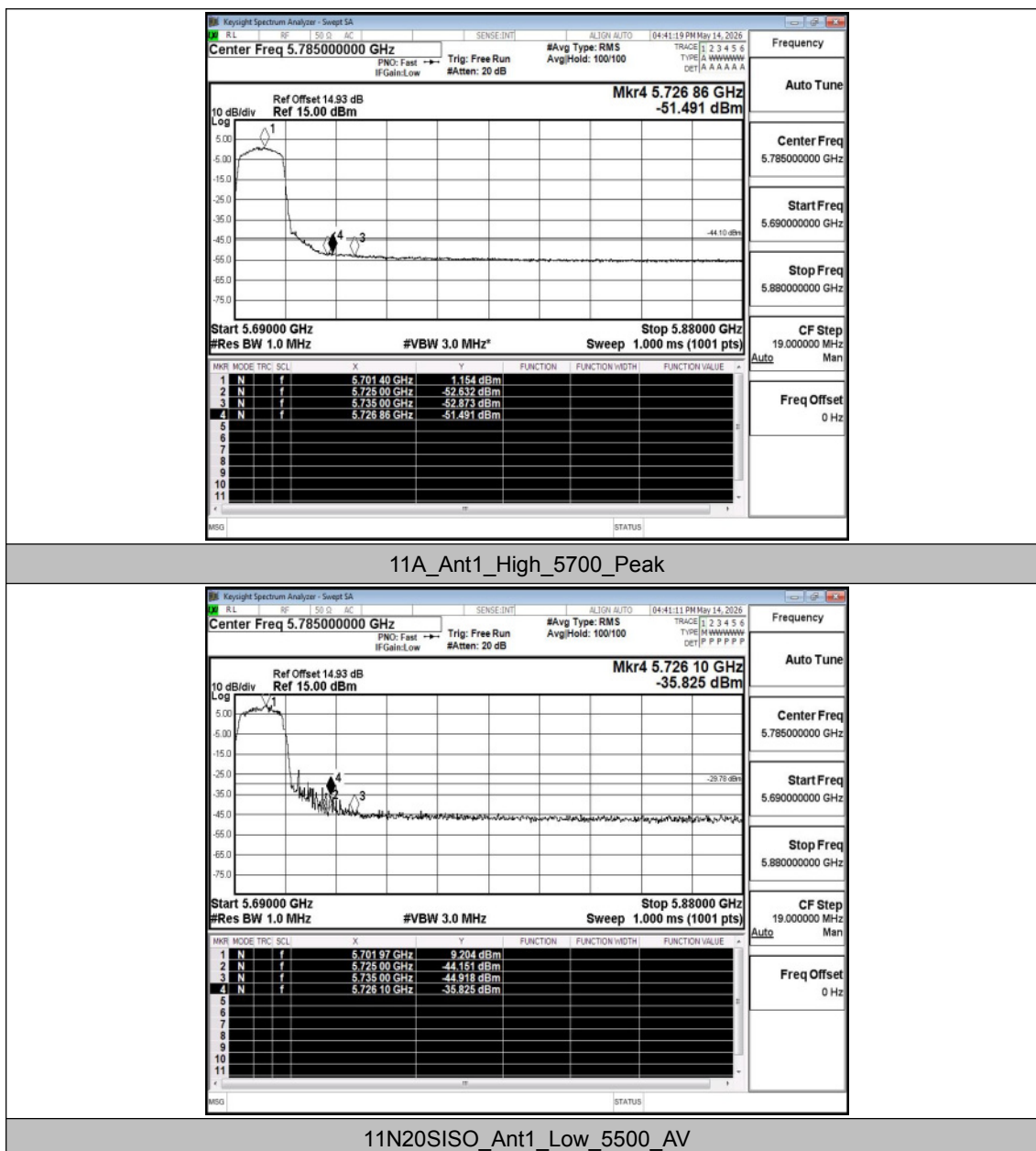
11A_Ant1_Low_5500_AV

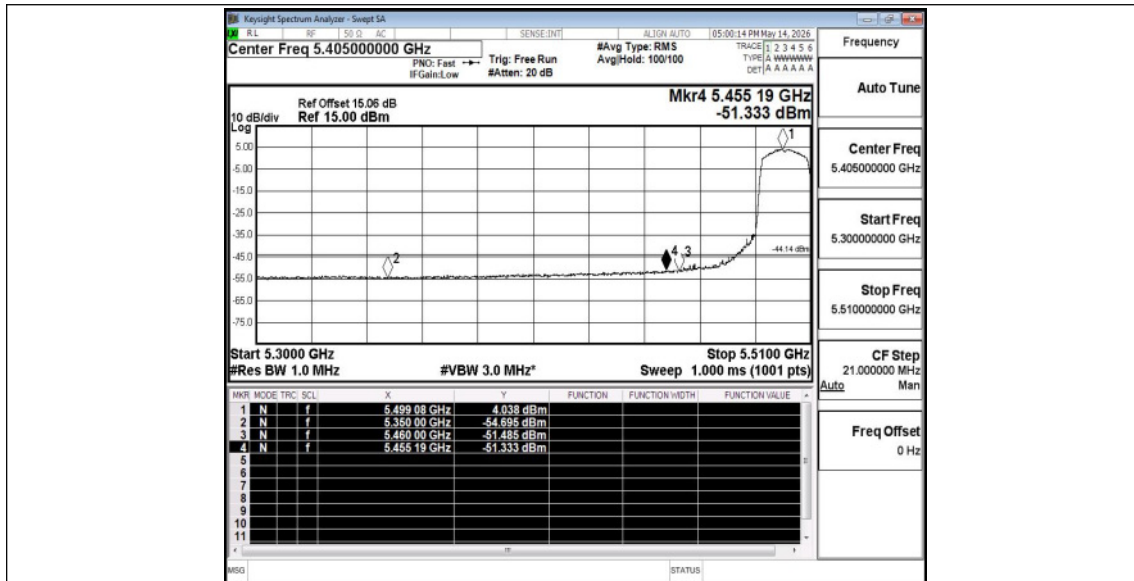


11A_Ant1_Low_5500_Peak

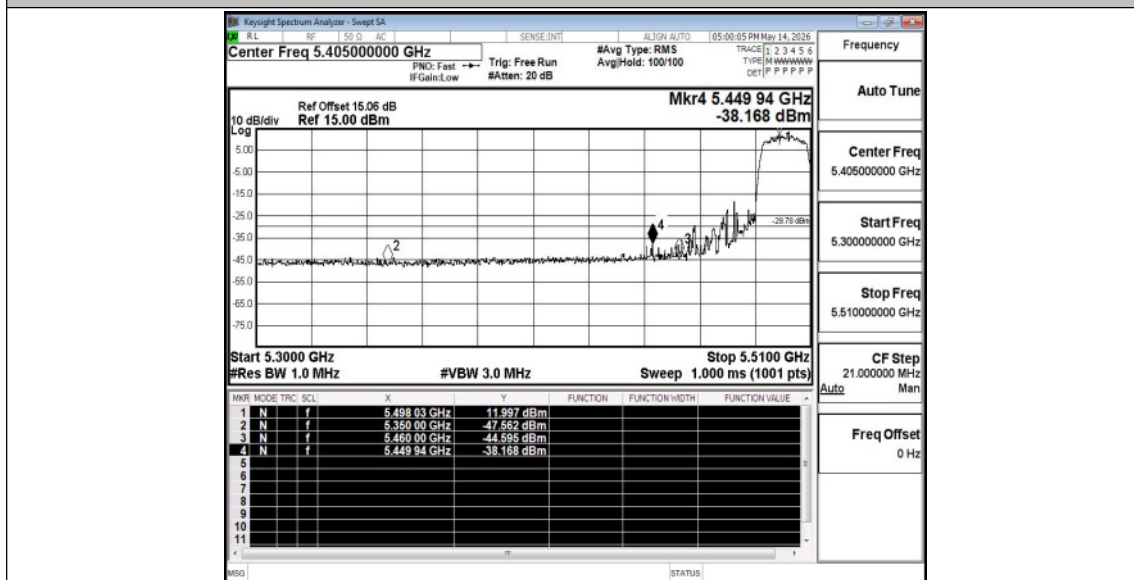


11A_Ant1_High_5700_AV

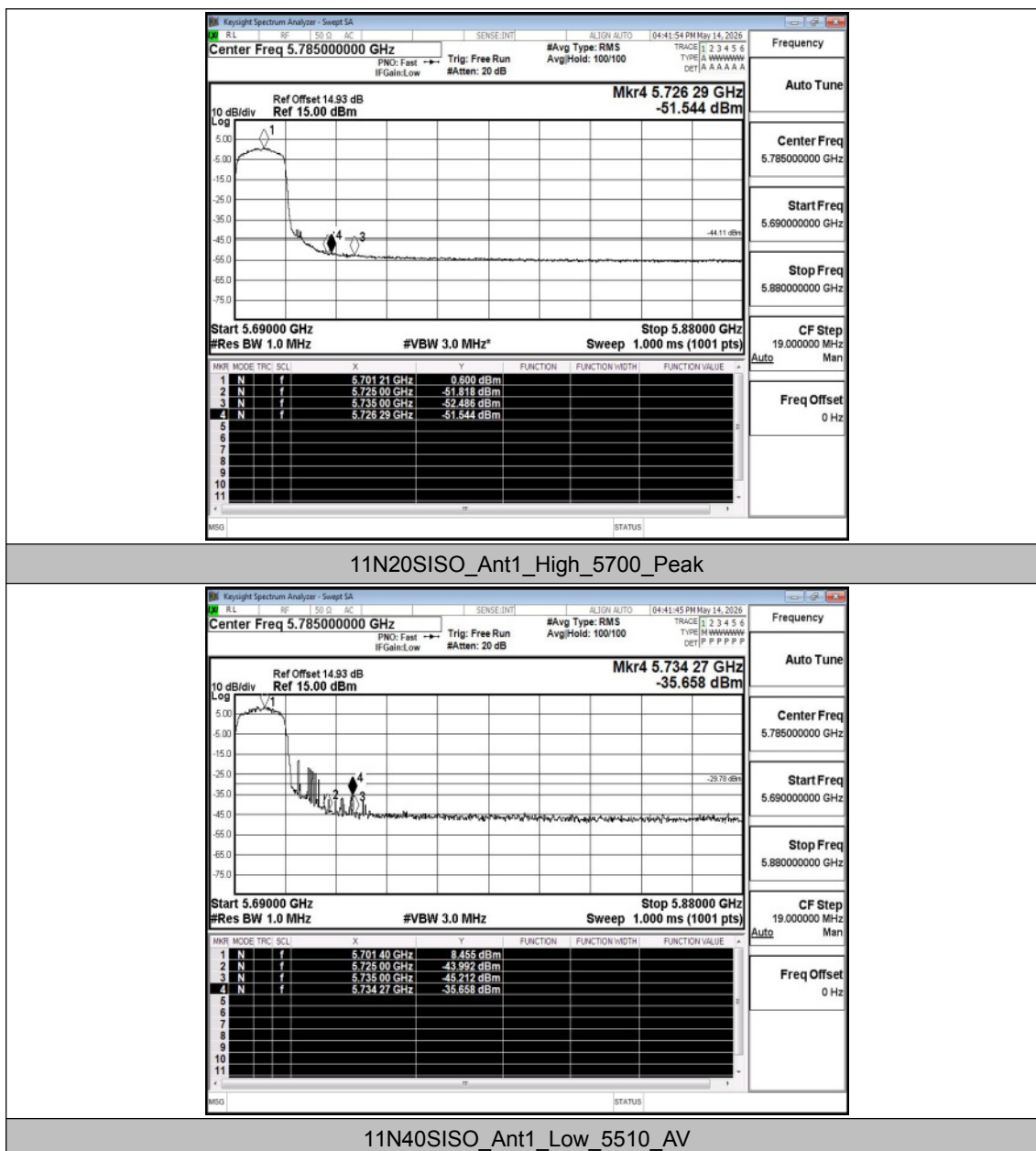


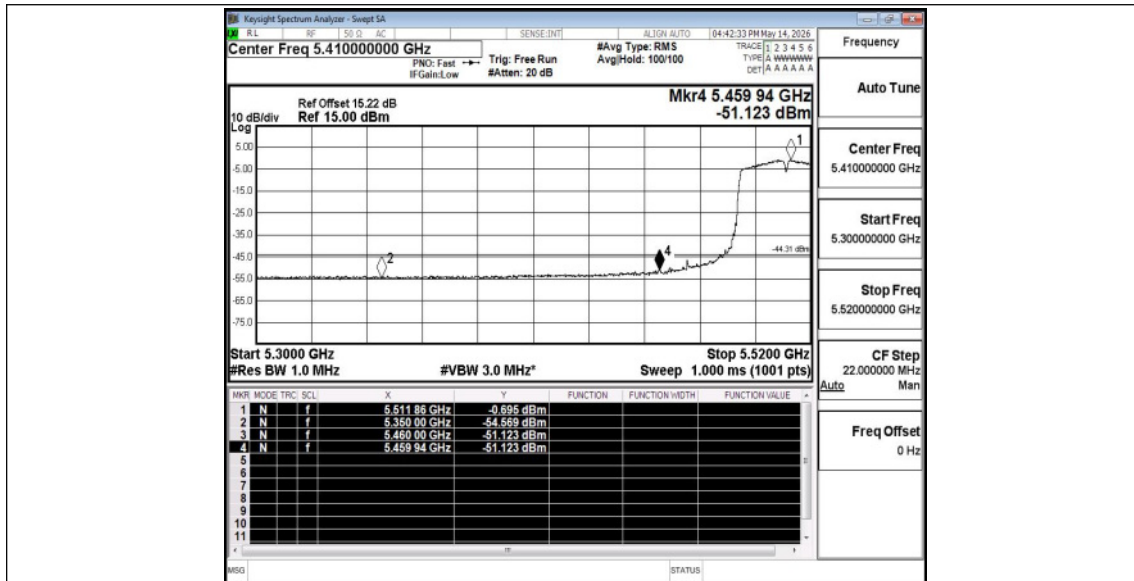


11N20SISO_Ant1_Low_5500_Peak

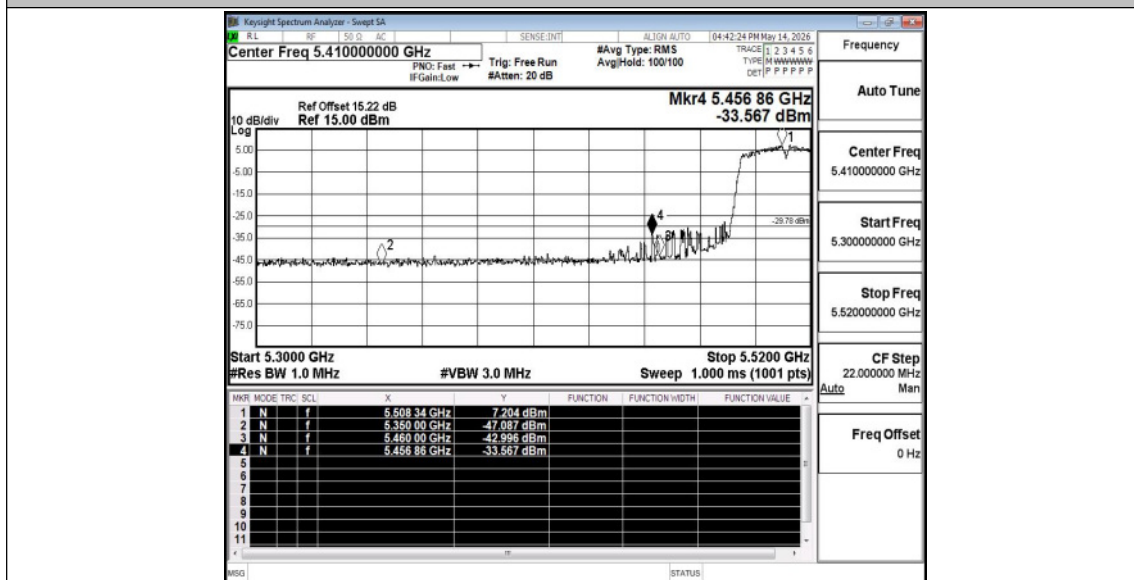


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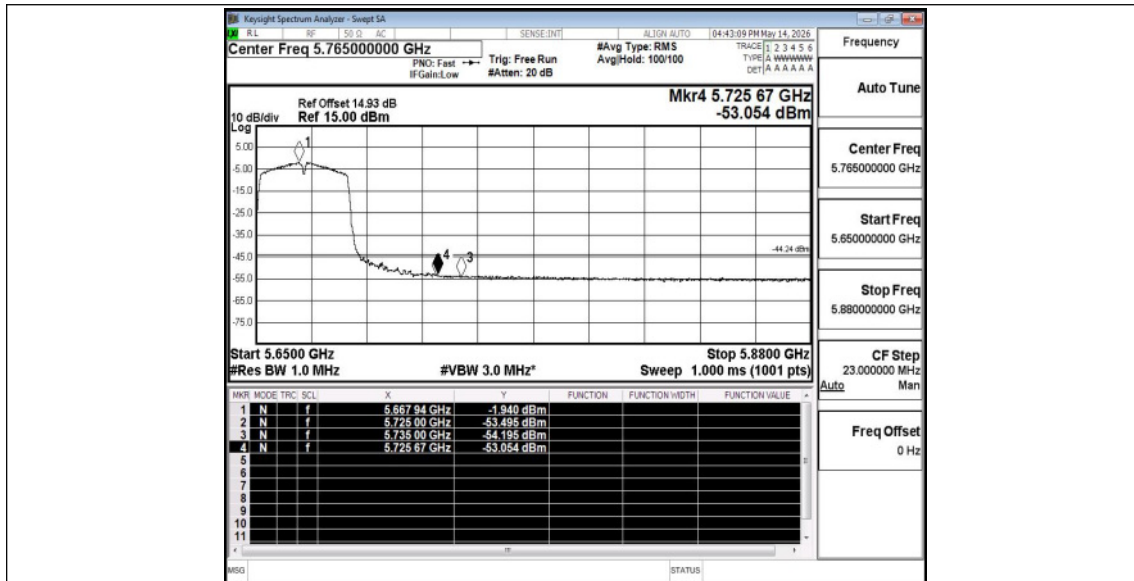




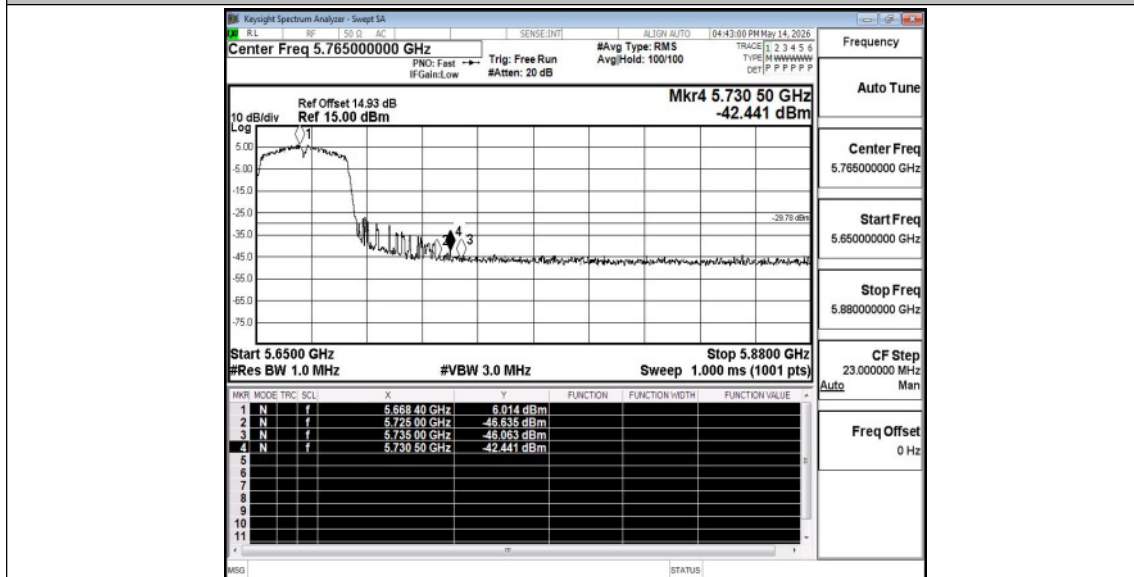
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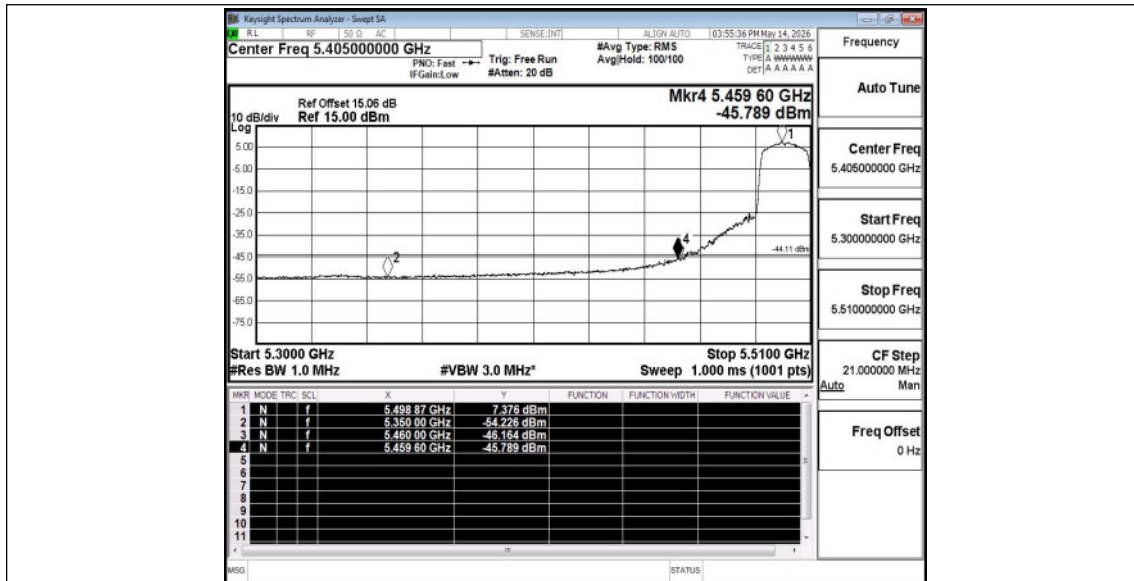
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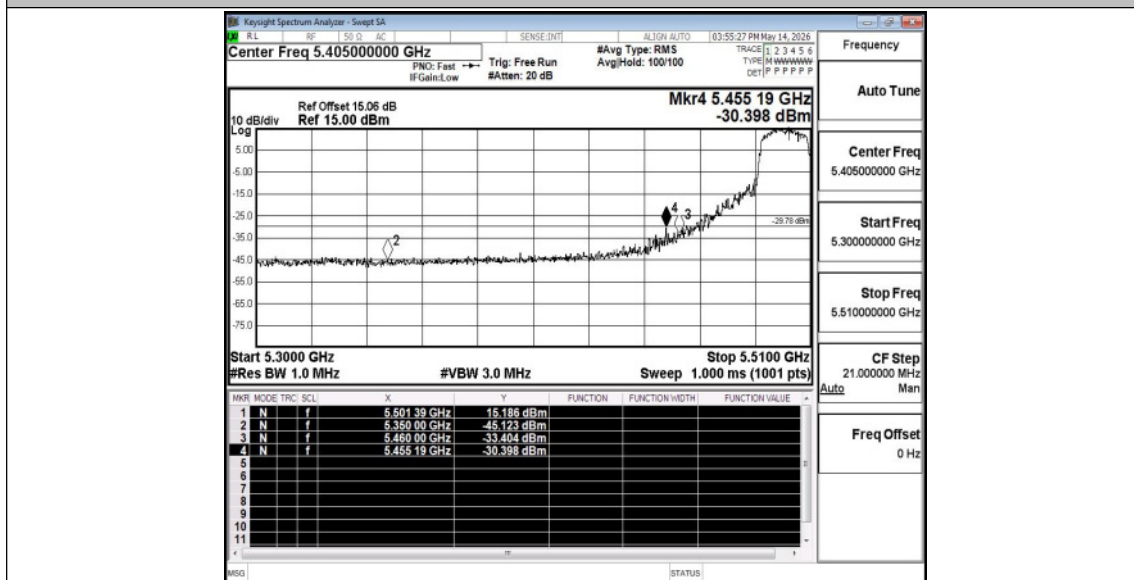
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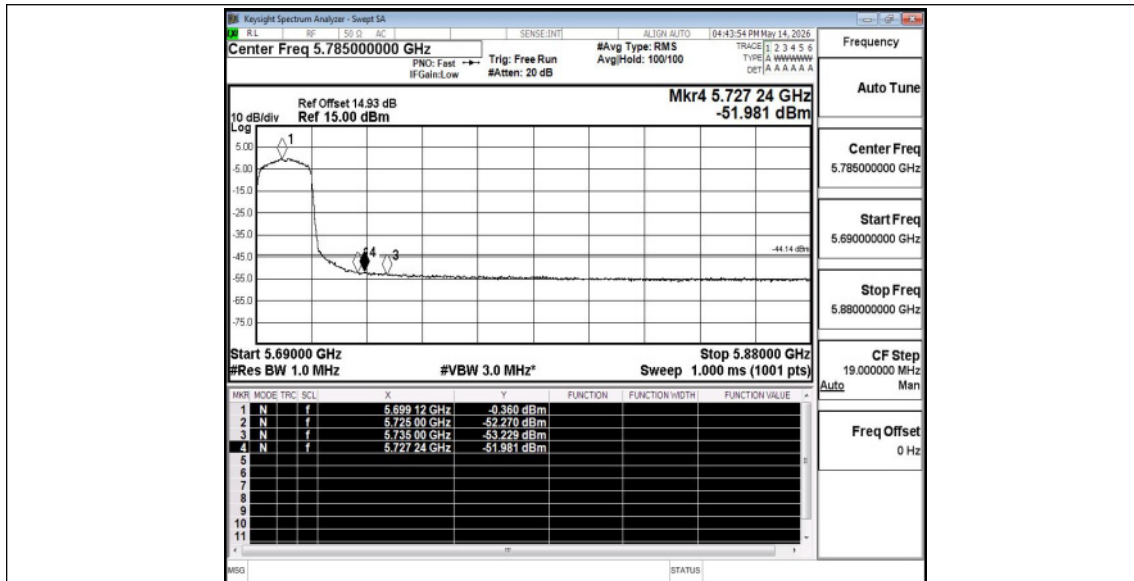
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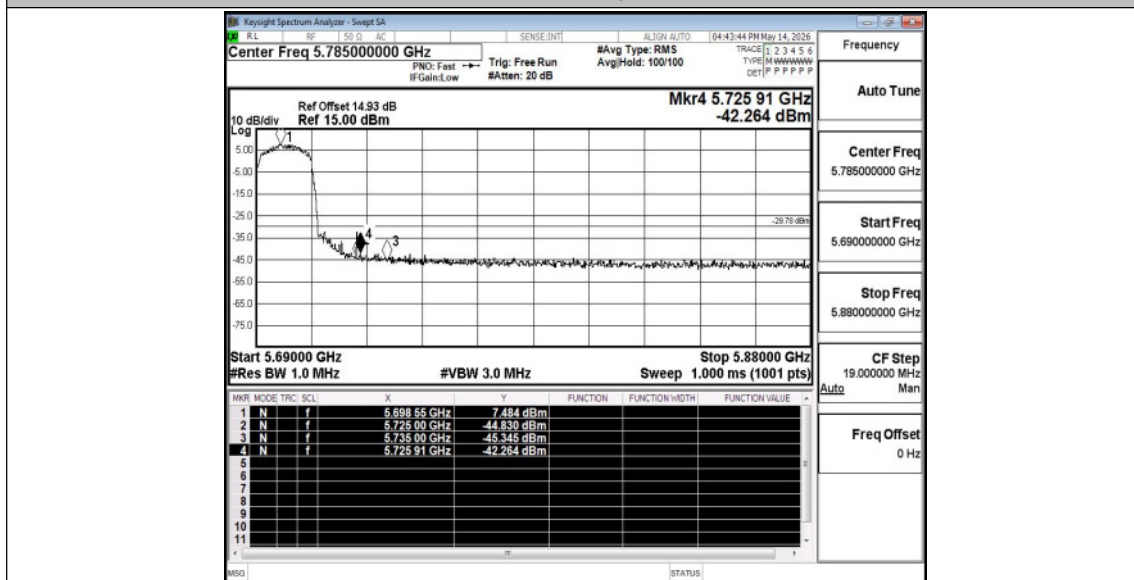
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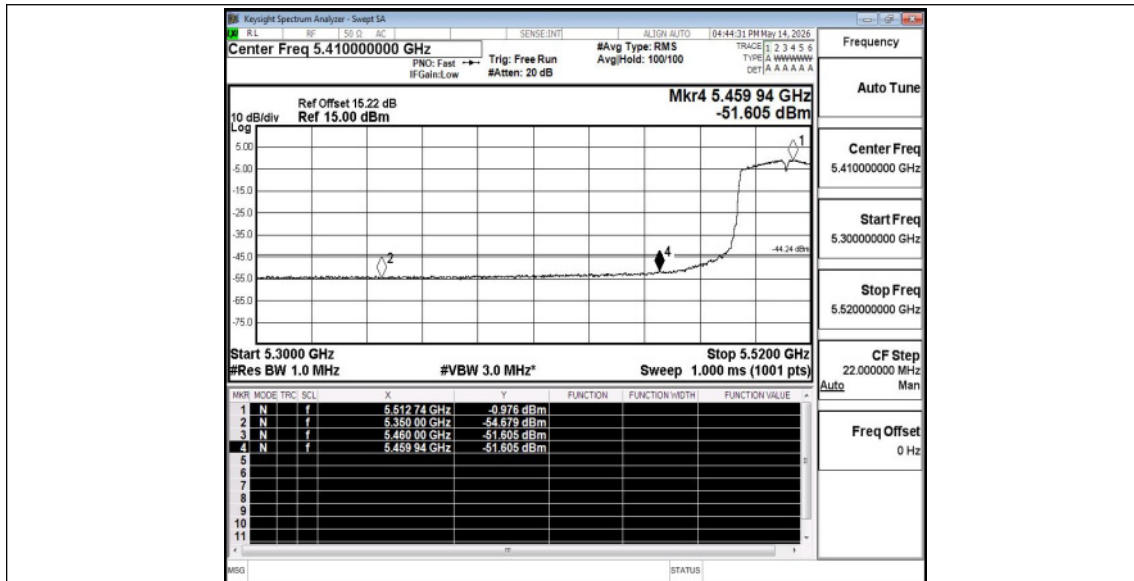
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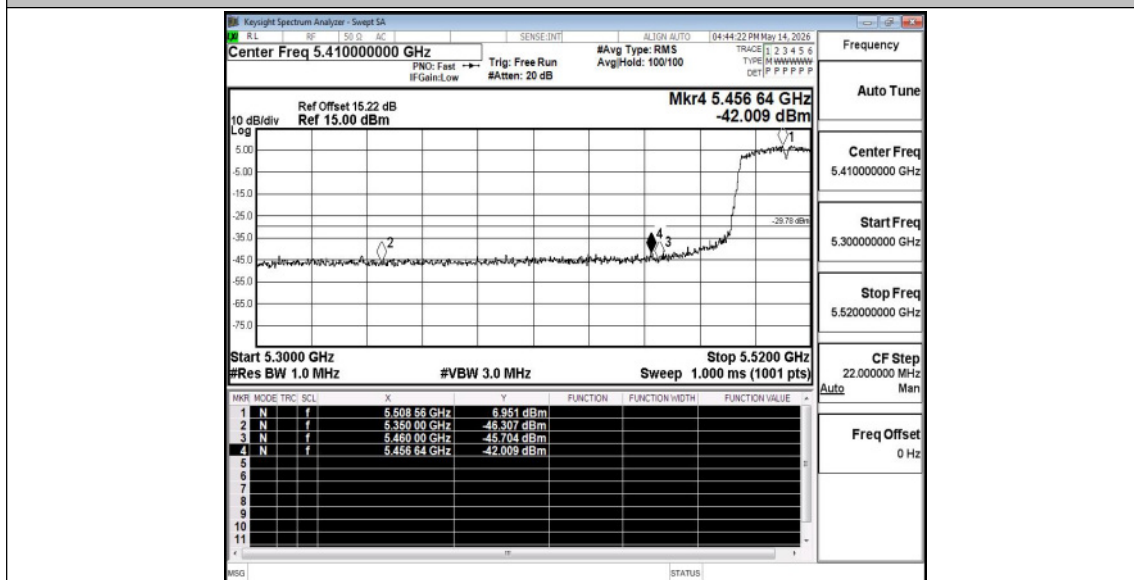
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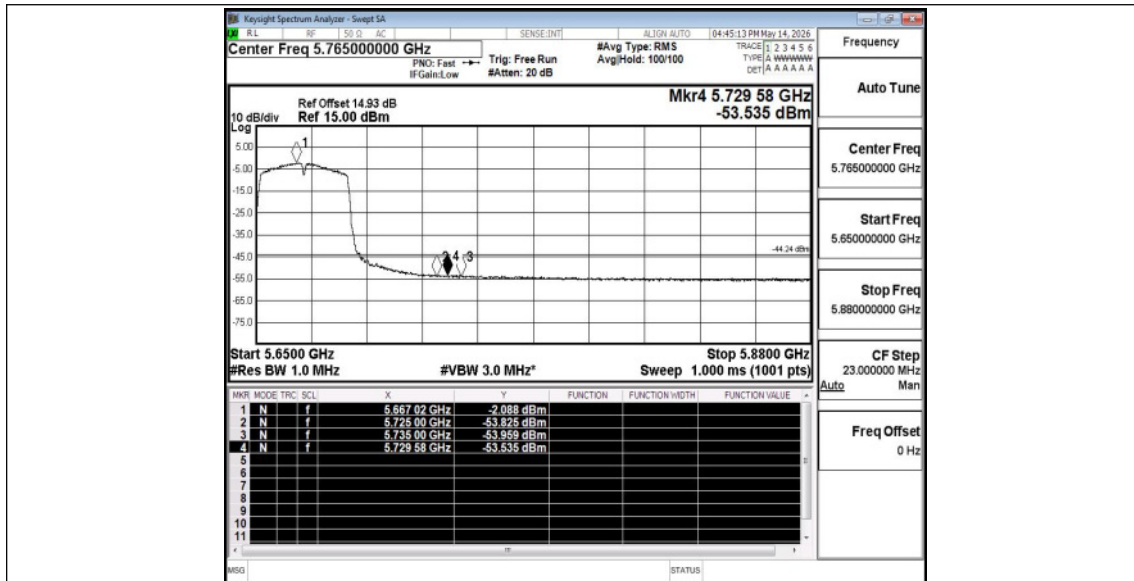
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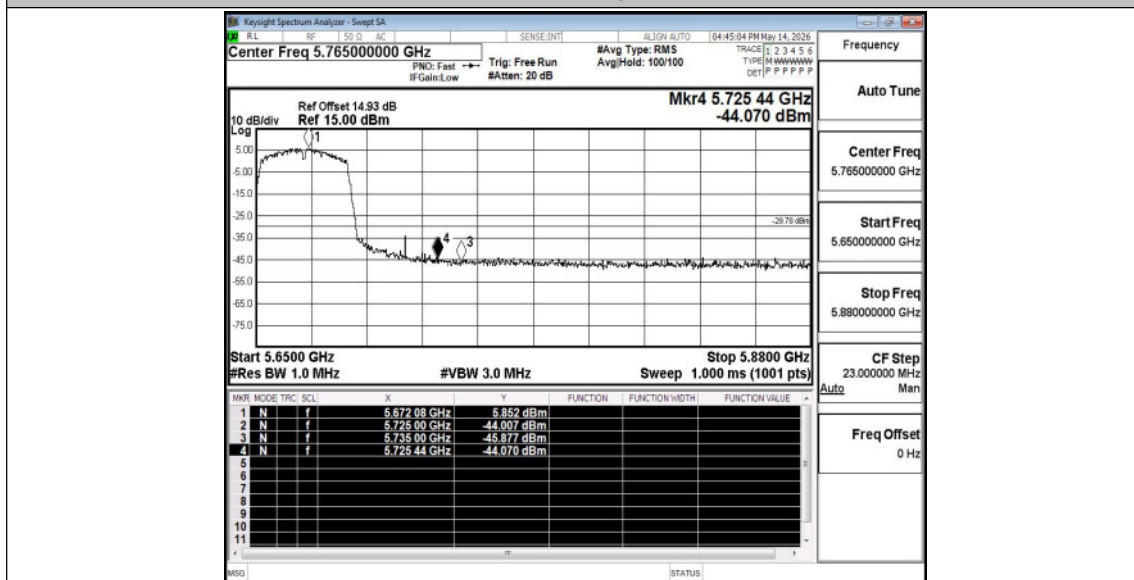
11AC40SISO_Ant1_Low_5510_Peak



11AC40SISO_Ant1_High_5670_AV



11AC40SISO_Ant1_High_5670_Peak



11AC80SISO_Ant1_Low_5530_AV