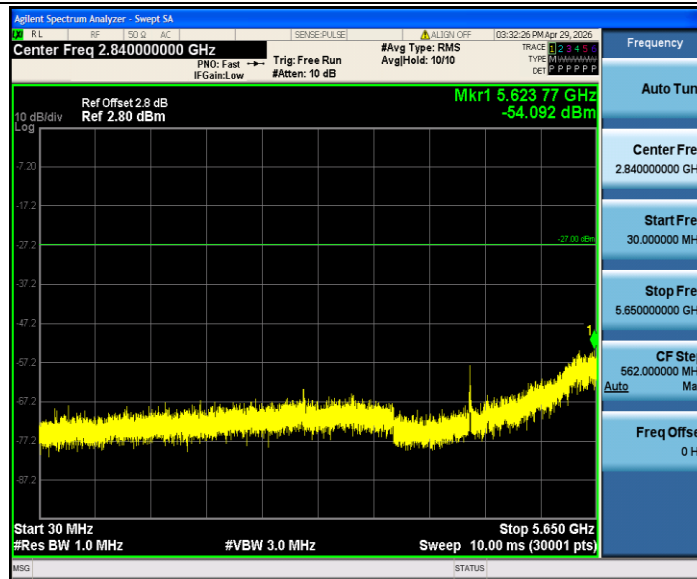
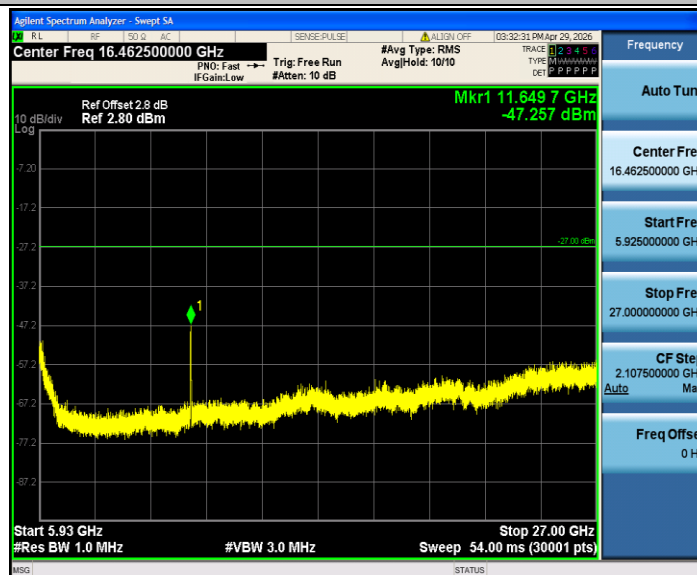
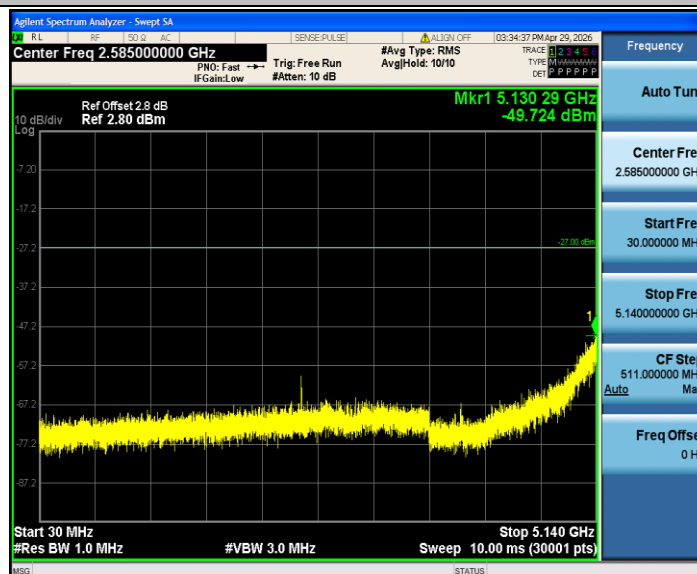




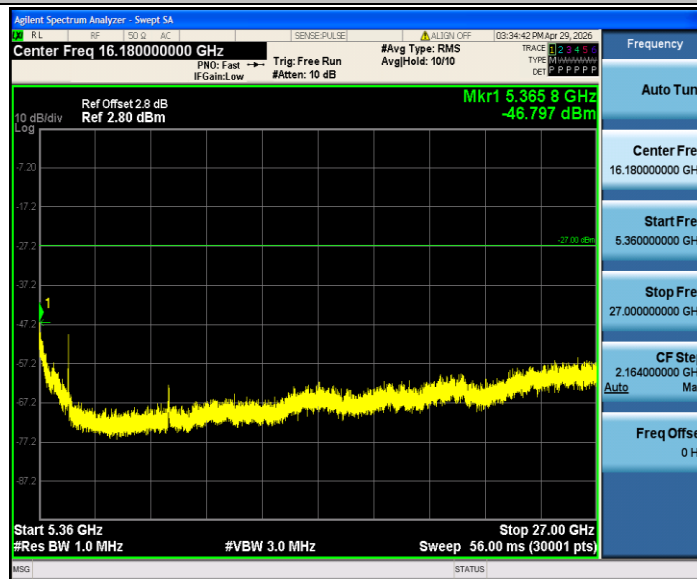
11AC20SISO_Ant1_5825_5925~40000



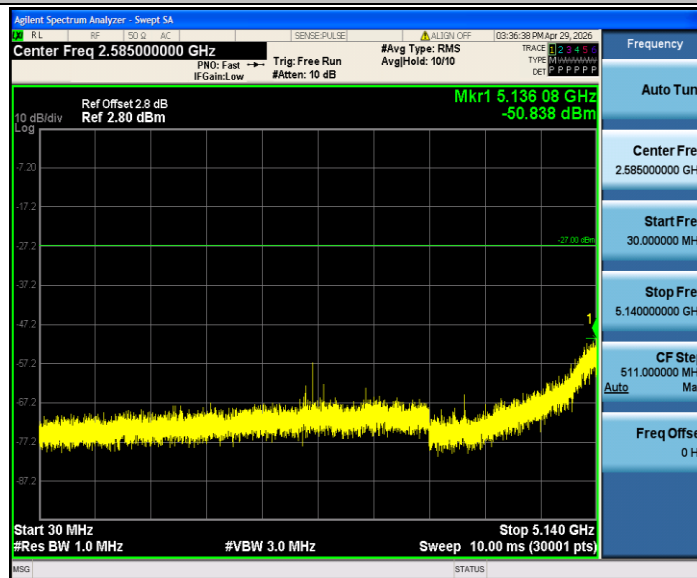
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11AC40SISO_Ant1_5190_5360~40000



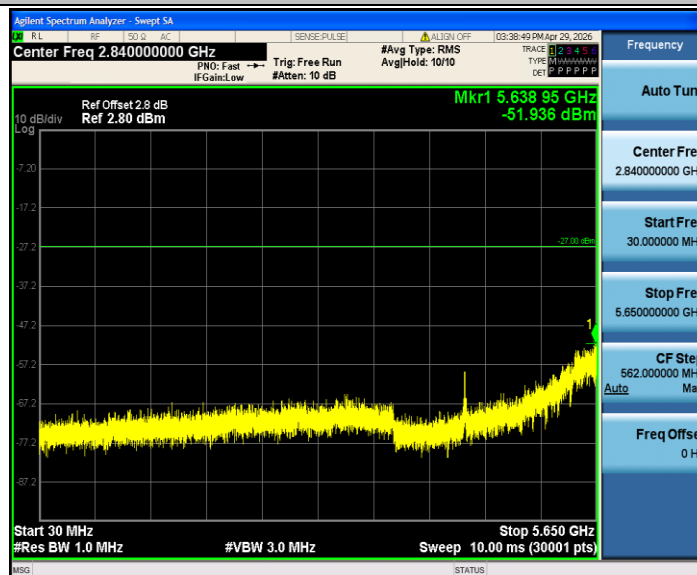
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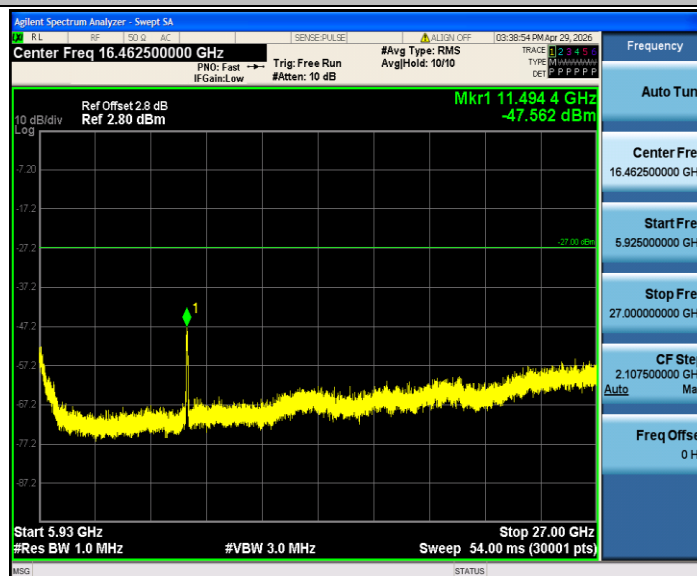
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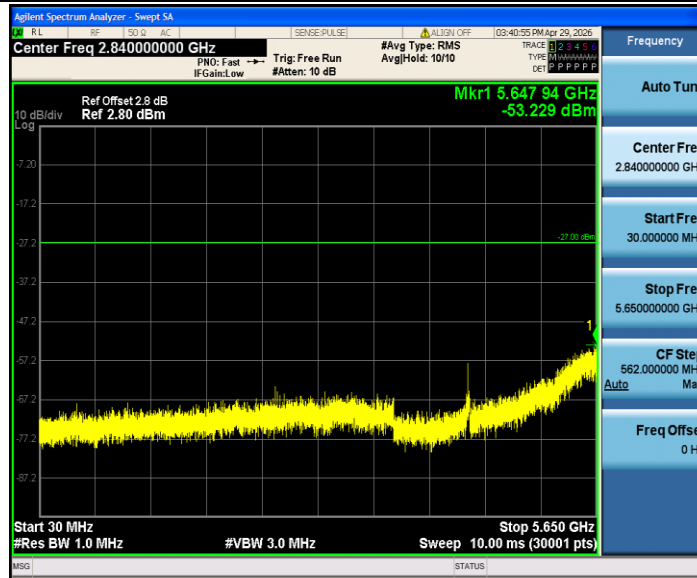
11AC40SISO_Ant1_5755_30~5650



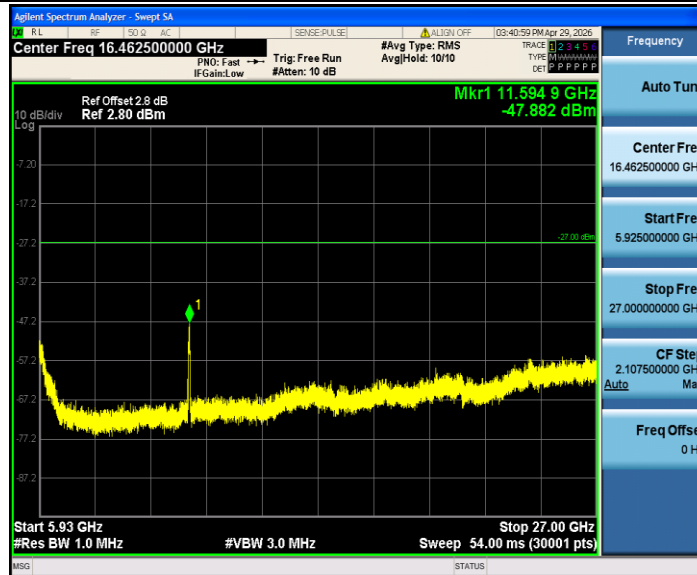
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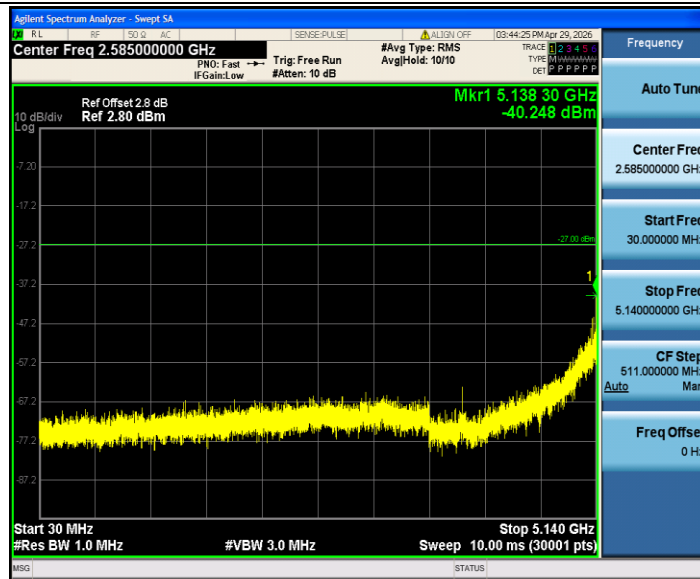
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11AC40SISO_Ant1_5795_5925~40000



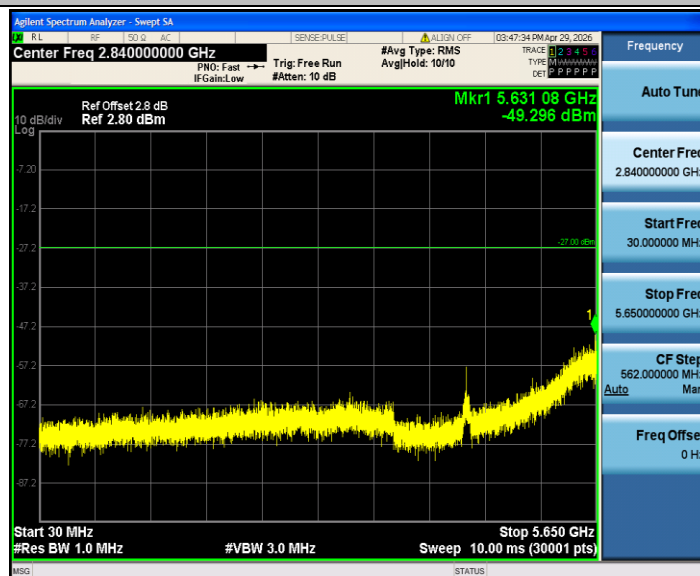
11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000



Appendix G: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-62.52	2.00	1.25	-59.27	≤-41.20	PASS
				AV	5141.900	-57.33	2.00	1.25	-54.08	≤-41.20	PASS
				AV	5150.000	-57.6	2.00	1.25	-54.35	≤-41.20	PASS
				Peak	4500.000	-53.86	2.00	0.00	-51.86	≤-27.00	PASS
				Peak	5134.200	-47.29	2.00	0.00	-45.29	≤-27.00	PASS
				Peak	5150.000	-49.16	2.00	0.00	-47.16	≤-27.00	PASS
		High	5240	AV	5350.000	-58.18	2.00	1.33	-54.85	≤-41.20	PASS
				AV	5367.120	-57.74	2.00	1.33	-54.41	≤-41.20	PASS
				AV	5460.000	-59.41	2.00	1.33	-56.08	≤-41.20	PASS
				Peak	5350.000	-48.88	2.00	0.00	-46.88	≤-27.00	PASS
				Peak	5399.520	-46.37	2.00	0.00	-44.37	≤-27.00	PASS
				Peak	5460.000	-51.4	2.00	0.00	-49.4	≤-27.00	PASS
		Low	5745	Peak	5650.000	-50.938	2.00	0.00	-48.938	≤-27.00	PASS
				Peak	5700.000	-50.19	2.00	0.00	-48.19	≤10.00	PASS
				Peak	5720.000	-50.41	2.00	0.00	-48.41	≤15.60	PASS
				Peak	5725.000	-45.54	2.00	0.00	-43.54	≤27.00	PASS
		High	5825	Peak	5850.000	-43.839	2.00	0.00	-41.839	≤27.00	PASS
				Peak	5855.000	-48.14	2.00	0.00	-46.14	≤15.60	PASS
				Peak	5875.000	-48.52	2.00	0.00	-46.52	≤10.00	PASS
				Peak	5925.000	-49.72	2.00	0.00	-47.72	≤-27.00	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-62.71	2.00	1.06	-59.65	≤-41.20	PASS
				AV	5148.900	-57.05	2.00	1.06	-53.99	≤-41.20	PASS
				AV	5150.000	-57.12	2.00	1.06	-54.06	≤-41.20	PASS
				Peak	4500.000	-53.59	2.00	0.00	-51.59	≤-27.00	PASS
				Peak	5149.600	-47.22	2.00	0.00	-45.22	≤-27.00	PASS
				Peak	5150.000	-48.21	2.00	0.00	-46.21	≤-27.00	PASS
		High	5240	AV	5350.000	-58.17	2.00	1.06	-55.11	≤-41.20	PASS
				AV	5370.720	-57.68	2.00	1.06	-54.62	≤-41.20	PASS
				AV	5460.000	-59.56	2.00	1.06	-56.5	≤-41.20	PASS
				Peak	5350.000	-49.35	2.00	0.00	-47.35	≤-27.00	PASS
				Peak	5399.280	-46.55	2.00	0.00	-44.55	≤-27.00	PASS
				Peak	5460.000	-50.59	2.00	0.00	-48.59	≤-27.00	PASS
		Low	5745	Peak	5650.000	-50.682	2.00	0.00	-48.682	≤-27.00	PASS
				Peak	5700.000	-50.95	2.00	0.00	-48.95	≤10.00	PASS
				Peak	5720.000	-48.2	2.00	0.00	-46.2	≤15.60	PASS
				Peak	5725.000	-43.6	2.00	0.00	-41.6	≤27.00	PASS

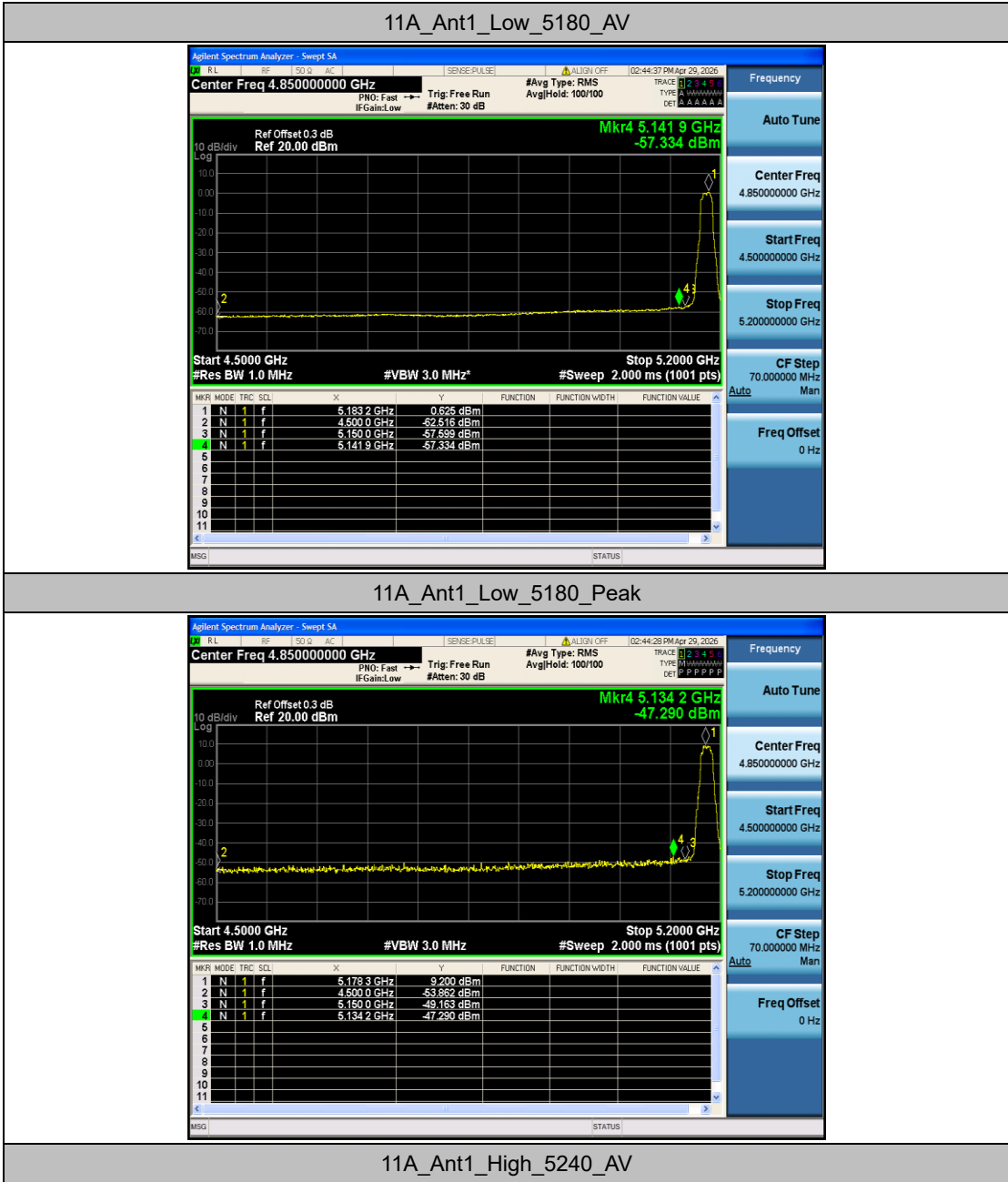
		High	5825	Peak	5850.000	-40.352	2.00	0.00	-38.352	≤27.00	PASS
				Peak	5855.000	-47.36	2.00	0.00	-45.36	≤15.60	PASS
				Peak	5875.000	-49.25	2.00	0.00	-47.25	≤10.00	PASS
				Peak	5925.000	-50.53	2.00	0.00	-48.53	≤-27.00	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-62.76	2.00	1.06	-59.7	≤-41.20	PASS
				AV	5149.600	-56.46	2.00	1.06	-53.4	≤-41.20	PASS
				AV	5150.000	-57.03	2.00	1.06	-53.97	≤-41.20	PASS
				Peak	4500.000	-53	2.00	0.00	-51	≤-27.00	PASS
				Peak	5148.900	-45.78	2.00	0.00	-43.78	≤-27.00	PASS
				Peak	5150.000	-46.75	2.00	0.00	-44.75	≤-27.00	PASS
		High	5230	AV	5350.000	-57.88	2.00	1.06	-54.82	≤-41.20	PASS
				AV	5356.520	-57.71	2.00	1.06	-54.65	≤-41.20	PASS
				AV	5460.000	-59.3	2.00	1.06	-56.24	≤-41.20	PASS
				Peak	5350.000	-49.88	2.00	0.00	-47.88	≤-27.00	PASS
				Peak	5372.640	-46.44	2.00	0.00	-44.44	≤-27.00	PASS
				Peak	5460.000	-50.69	2.00	0.00	-48.69	≤-27.00	PASS
		Low	5755	Peak	5650.000	-51.4	2.00	0.00	-49.4	≤-27.00	PASS
				Peak	5700.000	-49.32	2.00	0.00	-47.32	≤10.00	PASS
				Peak	5720.000	-42.19	2.00	0.00	-40.19	≤15.60	PASS
				Peak	5725.000	-42.44	2.00	0.00	-40.44	≤27.00	PASS
		High	5795	Peak	5850.000	-47.209	2.00	0.00	-45.209	≤27.00	PASS
				Peak	5855.000	-47.84	2.00	0.00	-45.84	≤15.60	PASS
				Peak	5875.000	-47.58	2.00	0.00	-45.58	≤10.00	PASS
				Peak	5925.000	-50.96	2.00	0.00	-48.96	≤-27.00	PASS
11AC20S ISO	Ant1	Low	5180	AV	4500.000	-62.62	2.00	0.76	-59.86	≤-41.20	PASS
				AV	5143.300	-57.27	2.00	0.76	-54.51	≤-41.20	PASS
				AV	5150.000	-57.63	2.00	0.76	-54.87	≤-41.20	PASS
				Peak	4500.000	-53.91	2.00	0.00	-51.91	≤-27.00	PASS
				Peak	5145.400	-46.26	2.00	0.00	-44.26	≤-27.00	PASS
				Peak	5150.000	-48.17	2.00	0.00	-46.17	≤-27.00	PASS
		High	5240	AV	5350.000	-57.38	2.00	0.62	-54.76	≤-41.20	PASS
				AV	5351.520	-57.23	2.00	0.62	-54.61	≤-41.20	PASS
				AV	5460.000	-59.07	2.00	0.62	-56.45	≤-41.20	PASS
				Peak	5350.000	-49.09	2.00	0.00	-47.09	≤-27.00	PASS
				Peak	5391.360	-46.38	2.00	0.00	-44.38	≤-27.00	PASS
				Peak	5460.000	-49.76	2.00	0.00	-47.76	≤-27.00	PASS
		Low	5745	Peak	5650.000	-51.651	2.00	0.00	-49.651	≤-27.00	PASS
				Peak	5700.000	-52.05	2.00	0.00	-50.05	≤10.00	PASS
				Peak	5720.000	-48.1	2.00	0.00	-46.1	≤15.60	PASS
				Peak	5725.000	-43.84	2.00	0.00	-41.84	≤27.00	PASS
		High	5825	Peak	5850.000	-38.551	2.00	0.00	-36.551	≤27.00	PASS
				Peak	5855.000	-48.24	2.00	0.00	-46.24	≤15.60	PASS
				Peak	5875.000	-49.84	2.00	0.00	-47.84	≤10.00	PASS

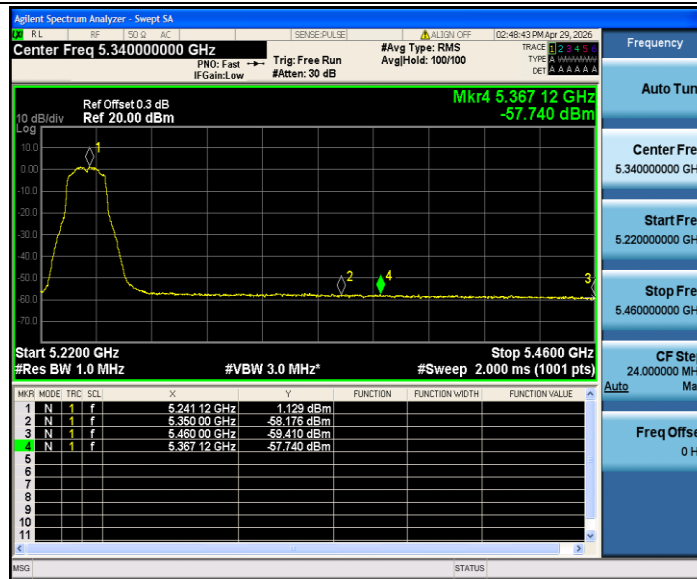
				Peak	5925.000	-50.43	2.00	0.00	-48.43	≤-27.00	PASS
11AC40S ISO	Ant1	Low	5190	AV	4500.000	-62.44	2.00	1.06	-59.38	≤-41.20	PASS
				AV	5147.500	-56.39	2.00	1.06	-53.33	≤-41.20	PASS
				AV	5150.000	-56.52	2.00	1.06	-53.46	≤-41.20	PASS
				Peak	4500.000	-54.63	2.00	0.00	-52.63	≤-27.00	PASS
				Peak	5148.900	-46.31	2.00	0.00	-44.31	≤-27.00	PASS
				Peak	5150.000	-47.84	2.00	0.00	-45.84	≤-27.00	PASS
		High	5230	AV	5350.000	-57.83	2.00	1.12	-54.71	≤-41.20	PASS
				AV	5350.540	-57.63	2.00	1.12	-54.51	≤-41.20	PASS
				AV	5460.000	-58.94	2.00	1.12	-55.82	≤-41.20	PASS
				Peak	5350.000	-48.83	2.00	0.00	-46.83	≤-27.00	PASS
				Peak	5390.060	-45.29	2.00	0.00	-43.29	≤-27.00	PASS
				Peak	5460.000	-50.35	2.00	0.00	-48.35	≤-27.00	PASS
		Low	5755	Peak	5650.000	-51.668	2.00	0.00	-49.668	≤-27.00	PASS
				Peak	5700.000	-50.33	2.00	0.00	-48.33	≤10.00	PASS
				Peak	5720.000	-44.85	2.00	0.00	-42.85	≤15.60	PASS
				Peak	5725.000	-44.66	2.00	0.00	-42.66	≤27.00	PASS
		High	5795	Peak	5850.000	-46.766	2.00	0.00	-44.766	≤27.00	PASS
				Peak	5855.000	-48.71	2.00	0.00	-46.71	≤15.60	PASS
				Peak	5875.000	-48.58	2.00	0.00	-46.58	≤10.00	PASS
				Peak	5925.000	-50.93	2.00	0.00	-48.93	≤-27.00	PASS
11AC80S ISO	Ant1	Low	5210	AV	4500.000	-62.77	2.00	1.18	-59.59	≤-41.20	PASS
				AV	5149.500	-55.48	2.00	1.18	-52.3	≤-41.20	PASS
				AV	5150.000	-55.61	2.00	1.18	-52.43	≤-41.20	PASS
				Peak	4500.000	-54.54	2.00	0.00	-52.54	≤-27.00	PASS
				Peak	5139.750	-41.18	2.00	0.00	-39.18	≤-27.00	PASS
				Peak	5150.000	-45.39	2.00	0.00	-43.39	≤-27.00	PASS
		High	5210	AV	5350.000	-57.71	2.00	1.18	-54.53	≤-41.20	PASS
				AV	5370.400	-57.21	2.00	1.18	-54.03	≤-41.20	PASS
				AV	5460.000	-58.87	2.00	1.18	-55.69	≤-41.20	PASS
				Peak	5350.000	-49.33	2.00	0.00	-47.33	≤-27.00	PASS
				Peak	5414.360	-46.82	2.00	0.00	-44.82	≤-27.00	PASS
				Peak	5460.000	-50.93	2.00	0.00	-48.93	≤-27.00	PASS
		Low	5775	Peak	5650.000	-50.497	2.00	0.00	-48.497	≤-27.00	PASS
				Peak	5700.000	-49.73	2.00	0.00	-47.73	≤10.00	PASS
				Peak	5720.000	-42.52	2.00	0.00	-40.52	≤15.60	PASS
				Peak	5725.000	-33.68	2.00	0.00	-31.68	≤27.00	PASS
		High	5775	Peak	5850.000	-41.995	2.00	0.00	-39.995	≤27.00	PASS
				Peak	5855.000	-43.13	2.00	0.00	-41.13	≤15.60	PASS
				Peak	5875.000	-49.46	2.00	0.00	-47.46	≤10.00	PASS
				Peak	5925.000	-50.95	2.00	0.00	-48.95	≤-27.00	PASS

Note:

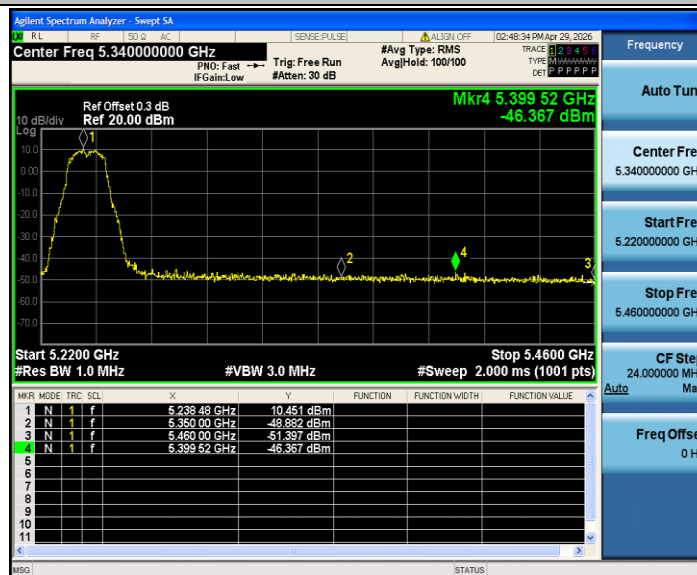
1. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

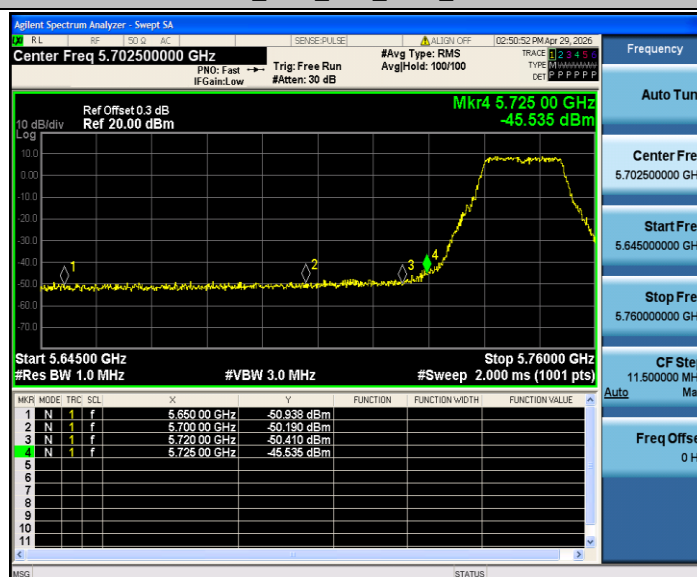




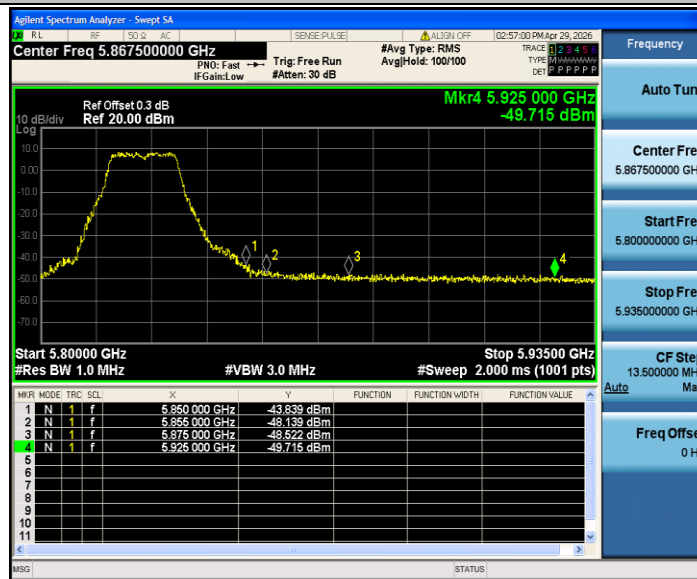
11A_Ant1_High_5240_Peak



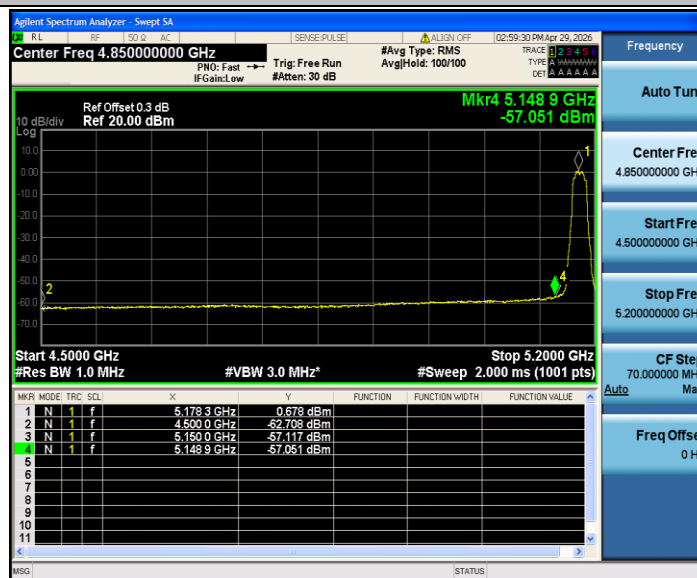
11A_Ant1_Low_5745_Peak



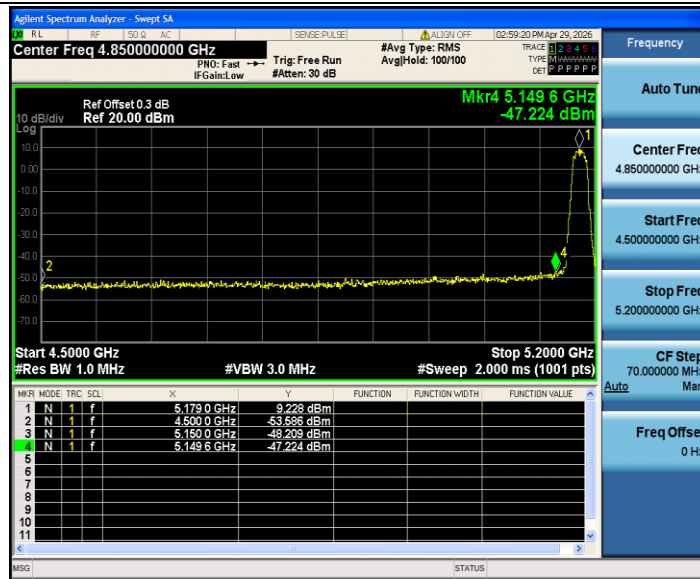
11A_Ant1_High_5825_Peak



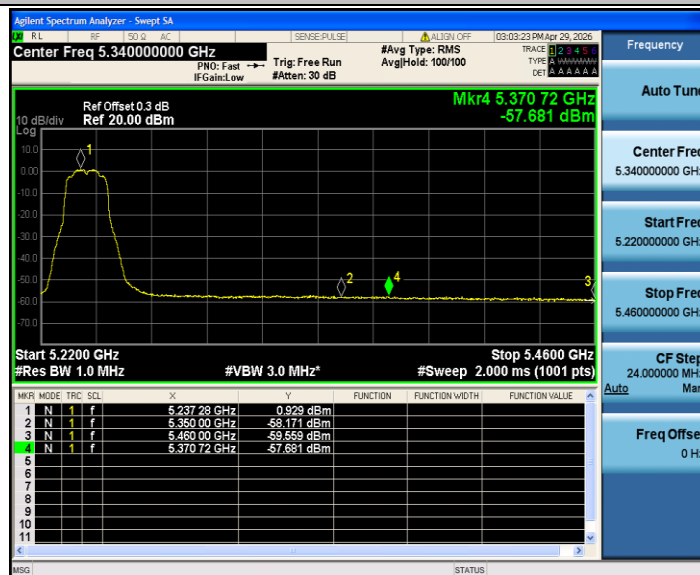
11N20SISO_Ant1_Low_5180_AV



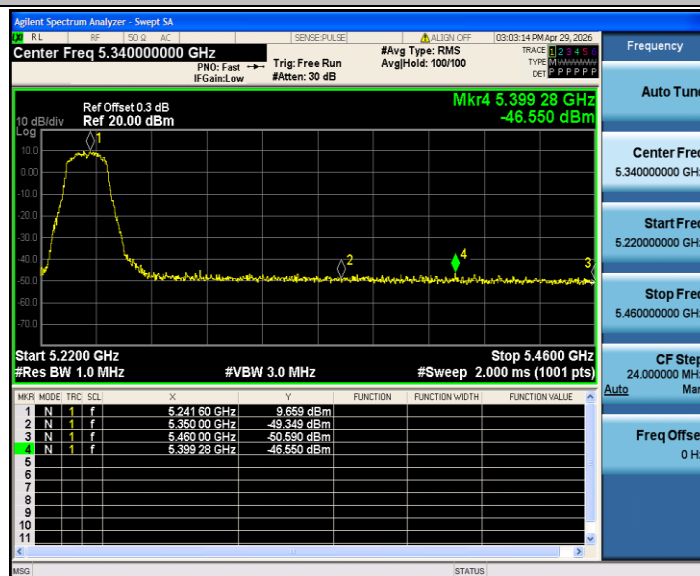
11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV



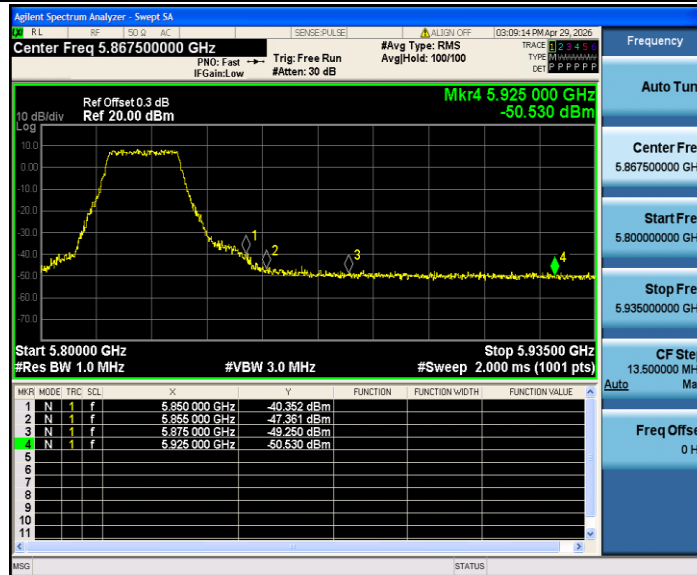
11N20SISO_Ant1_High_5240_Peak



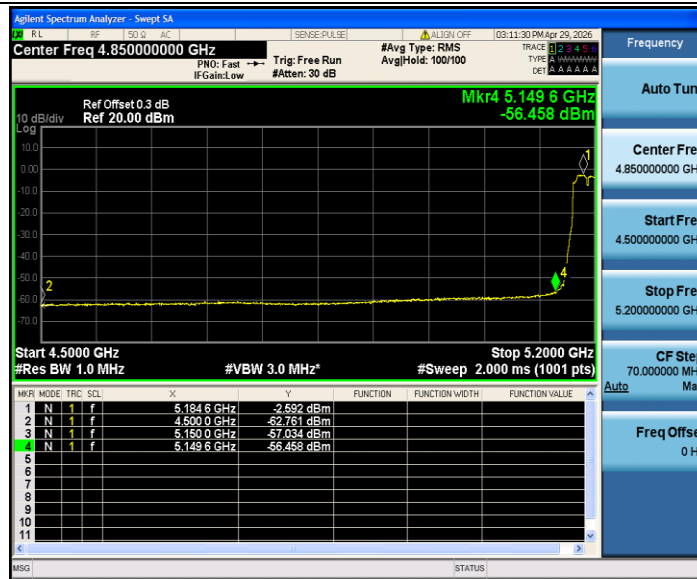
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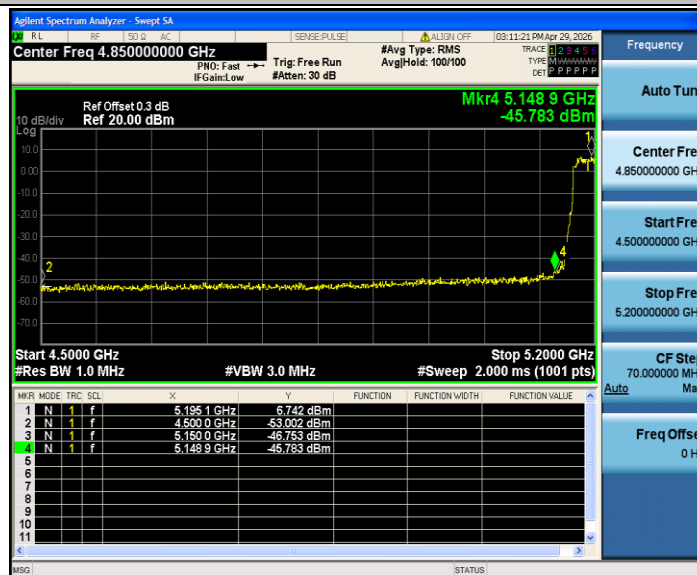
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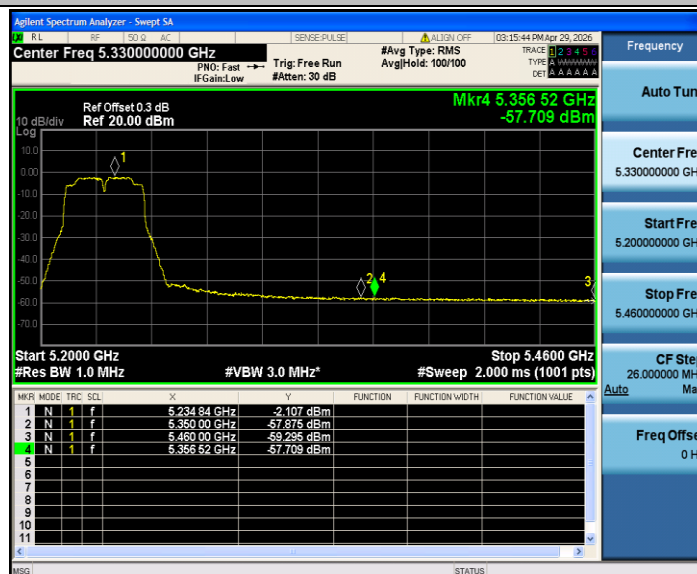
11N40SISO_Ant1_Low_5190_AV



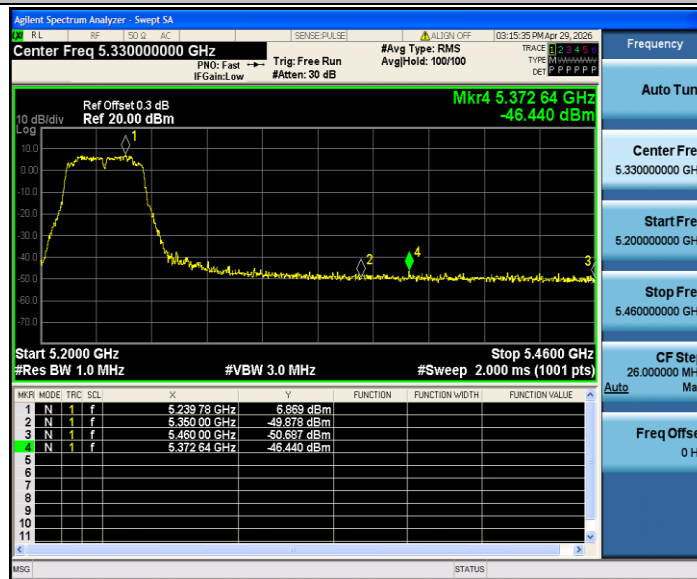
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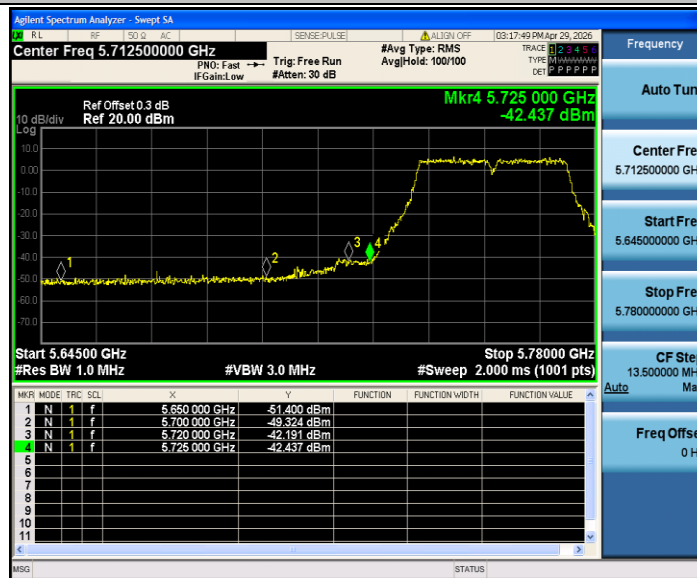
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11N40SISO_Ant1_High_5230_Peak



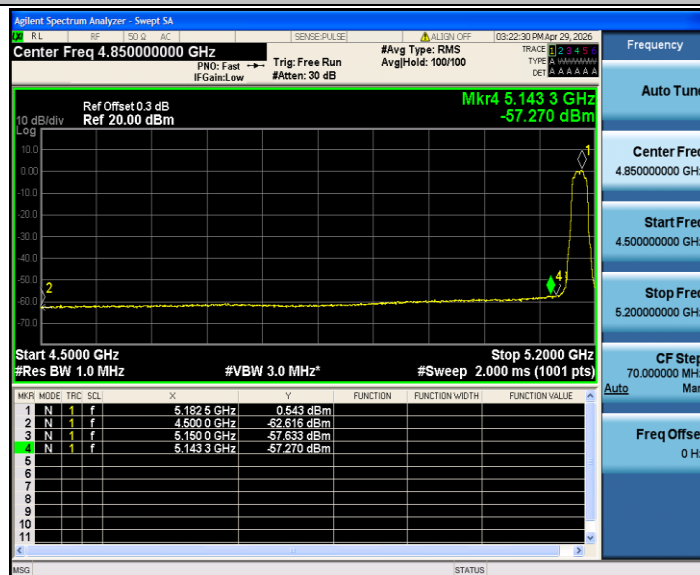
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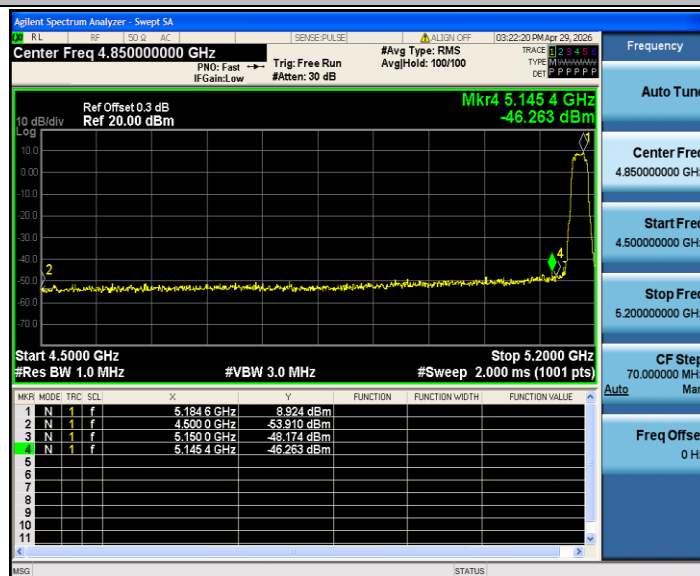
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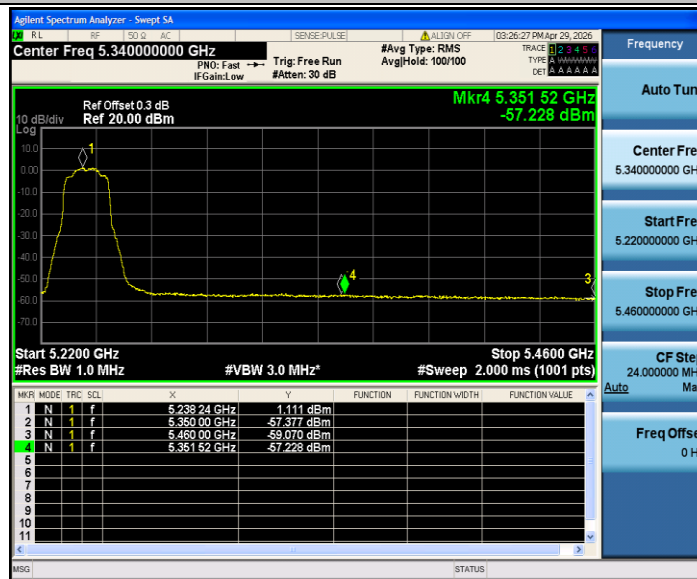
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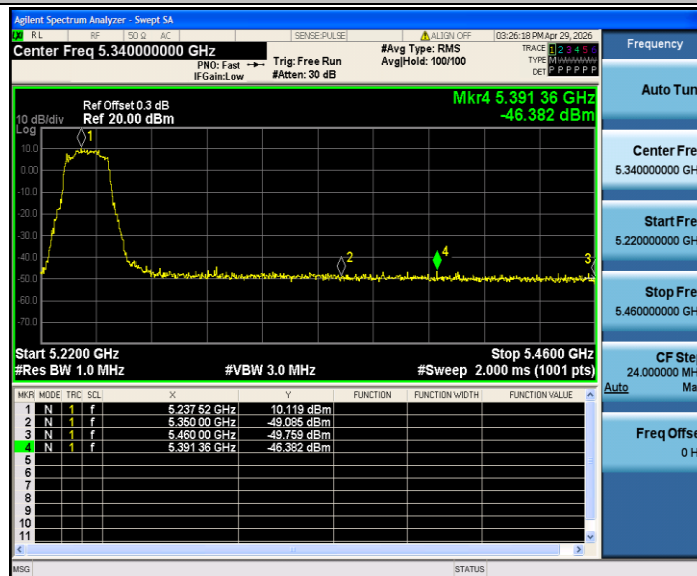
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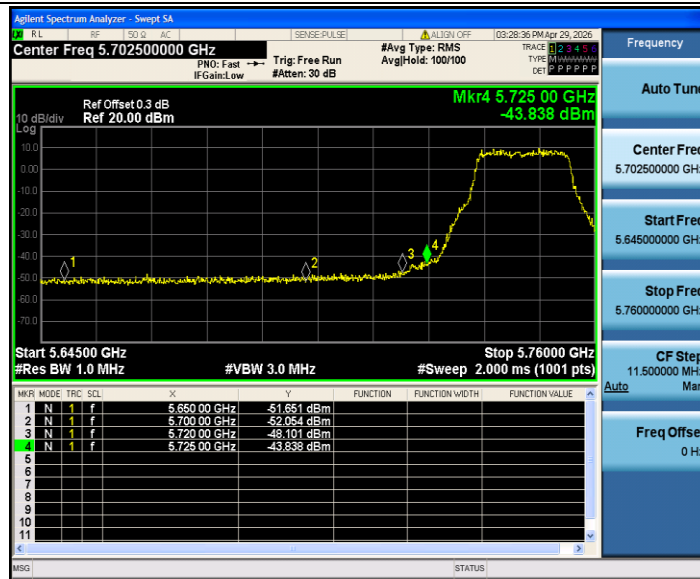
11AC20SISO_Ant1_High_5240_AV



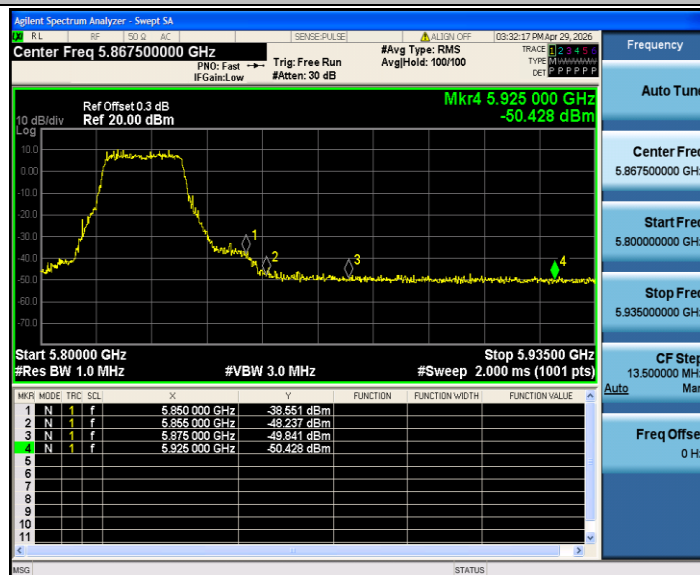
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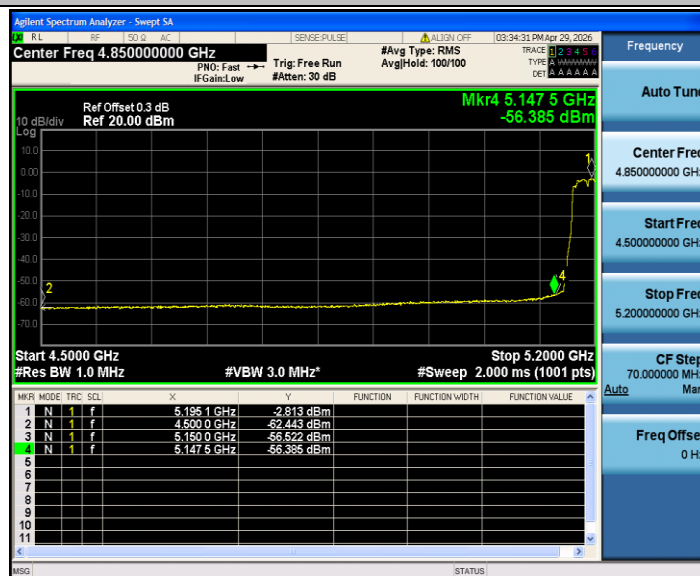
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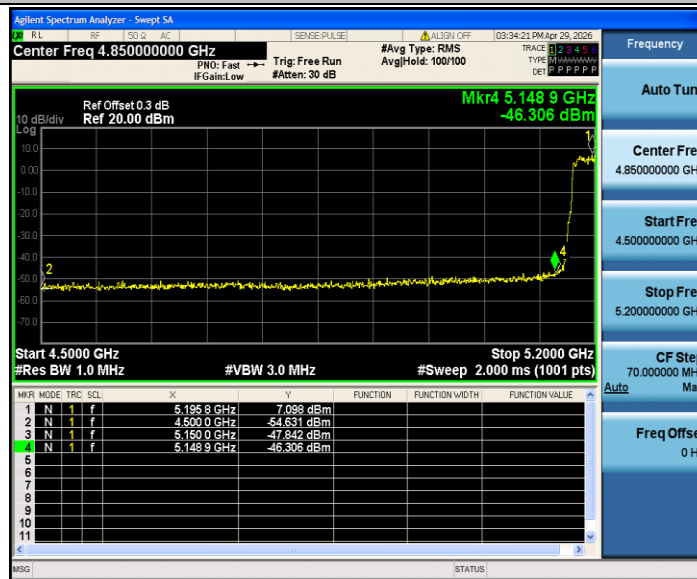
11AC20SISO_Ant1_High_5825_Peak



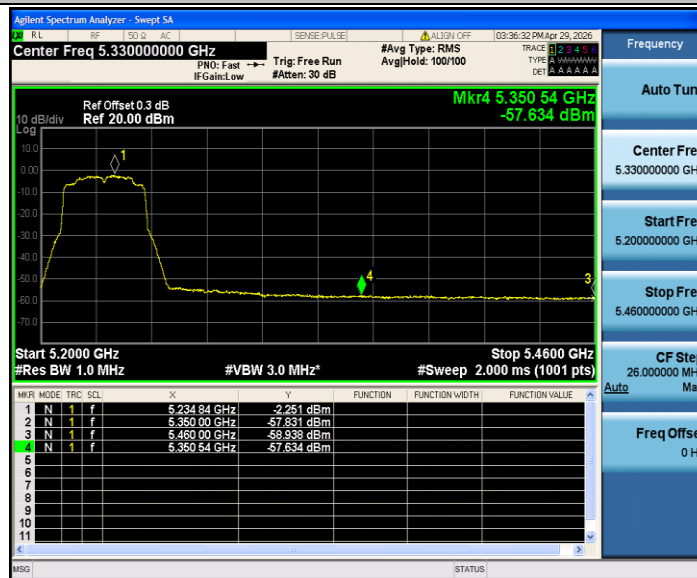
11AC40SISO_Ant1_Low_5190_AV



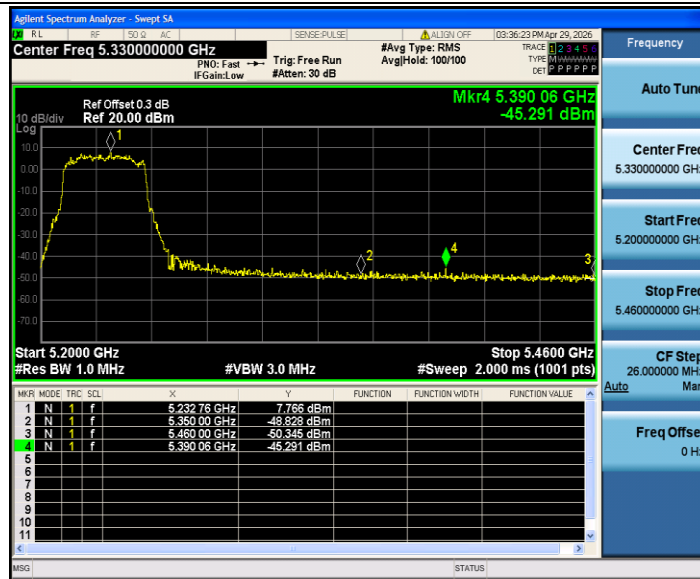
11AC40SISO_Ant1_Low_5190_Peak



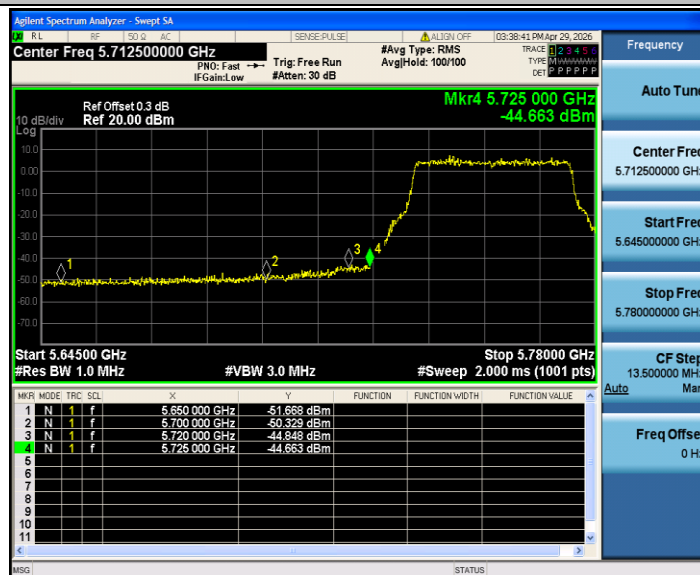
11AC40SISO_Ant1_High_5230_AV



11AC40SISO_Ant1_High_5230_Peak



11AC40SISO_Ant1_Low_5755_Peak



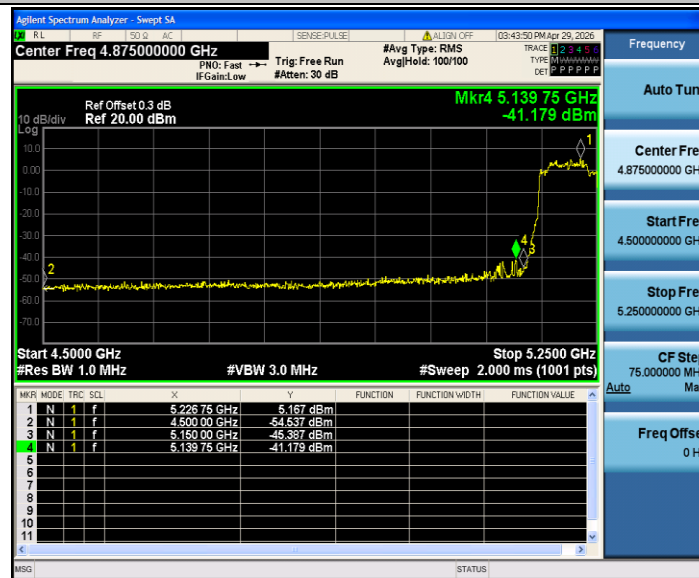
11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5210_AV



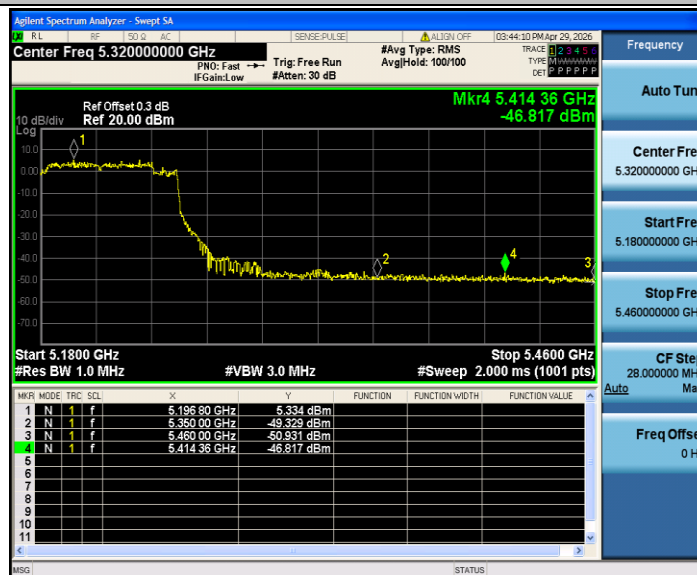
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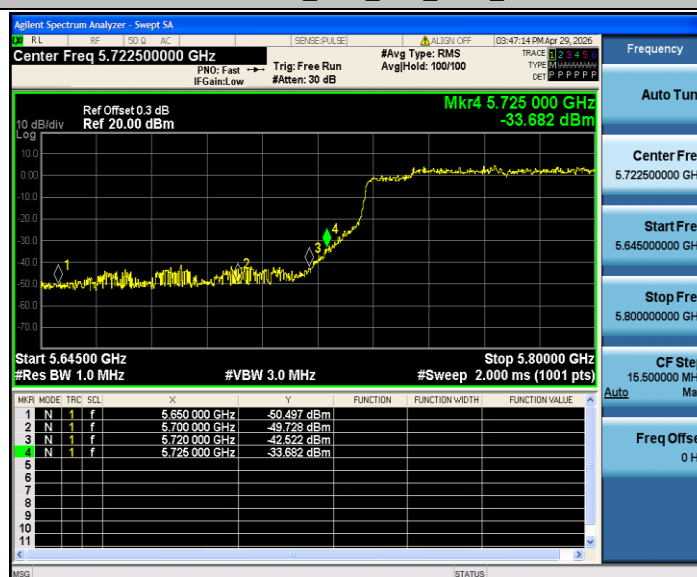
11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak



11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak



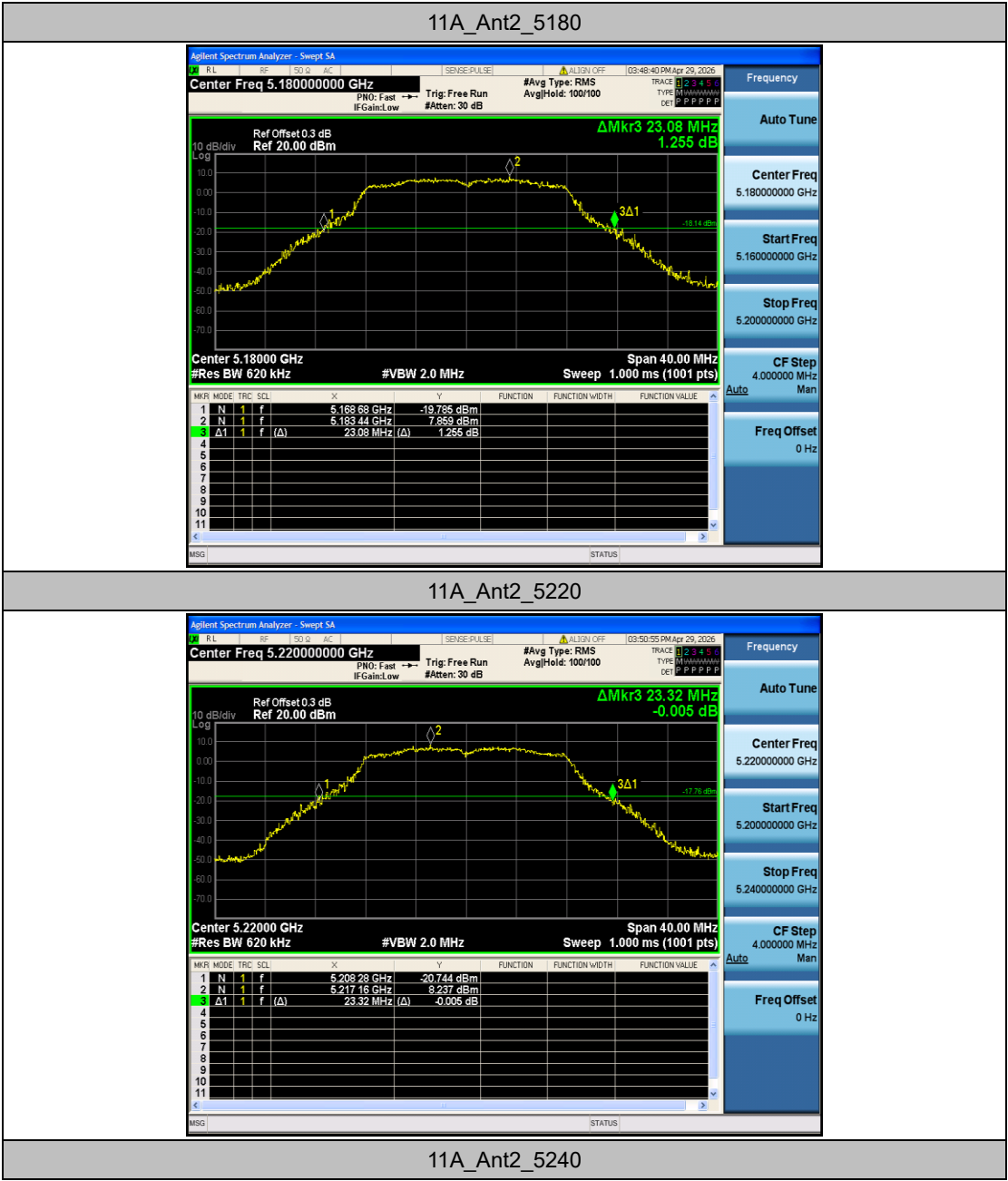
FCC Appendix RF Test Data for 5GWIFI Antenna 2

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	23.080	5168.680	5191.760	---	---
		5220	23.320	5208.280	5231.600	---	---
		5240	23.600	5228.120	5251.720	---	---
		5745	24.440	5732.920	5757.360	---	---
		5785	24.400	5772.720	5797.120	---	---
		5825	24.040	5812.880	5836.920	---	---
11N20SISO	Ant2	5180	24.240	5167.480	5191.720	---	---
		5220	23.400	5208.080	5231.480	---	---
		5240	24.640	5227.480	5252.120	---	---
		5745	25.040	5732.800	5757.840	---	---
		5785	24.400	5773.080	5797.480	---	---
		5825	24.280	5812.720	5837.000	---	---
11N40SISO	Ant2	5190	43.600	5168.560	5212.160	---	---
		5230	43.680	5208.720	5252.400	---	---
		5755	44.800	5733.320	5778.120	---	---
		5795	44.720	5773.000	5817.720	---	---
11AC20SISO	Ant2	5180	22.680	5168.600	5191.280	---	---
		5220	23.240	5208.400	5231.640	---	---
		5240	22.120	5229.040	5251.160	---	---
		5745	23.600	5733.360	5756.960	---	---
		5785	23.320	5773.520	5796.840	---	---
		5825	23.200	5813.560	5836.760	---	---
11AC40SISO	Ant2	5190	42.880	5168.800	5211.680	---	---
		5230	42.400	5209.040	5251.440	---	---
		5755	44.080	5733.640	5777.720	---	---
		5795	44.240	5773.480	5817.720	---	---
11AC80SISO	Ant2	5210	84.800	5167.760	5252.560	---	---
		5775	85.920	5732.120	5818.040	---	---

Test Graphs



11A_Ant2_5220

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.220000000 GHz

Ref Offset 0.3 dB
Ref 20.00 dBm

Trig: Free Run
#Att: 30 dB

#Avg Type: RMS
Avg/Hold: 100/100

03:50:55 PM Apr 29, 2026

Frequency

Auto Tune

Center Freq
5.220000000 GHz

Start Freq
5.200000000 GHz

Stop Freq
5.240000000 GHz

CF Step
4.0000000 MHz
Man

Freq Offset
0 Hz

10 dB/div
Log

Ref Offset 0.3 dB
Ref 20.00 dBm

Δ Mkr3 23.32 MHz
-0.005 dB

3d1

Center 5.22000 GHz
#Res BW 620 kHz
#VBW 2.0 MHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.20828 GHz	-20.744 dBm			
2	N	1	f	5.21716 GHz	8.237 dBm			
3	Δ	1	f	23.32 MHz (Δ)	-0.005 dB			

11A_Ant2_5240



11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5180



11N20SISO_Ant2_5220



11N20SISO_Ant2_5240



11N20SISO_Ant2_5745

