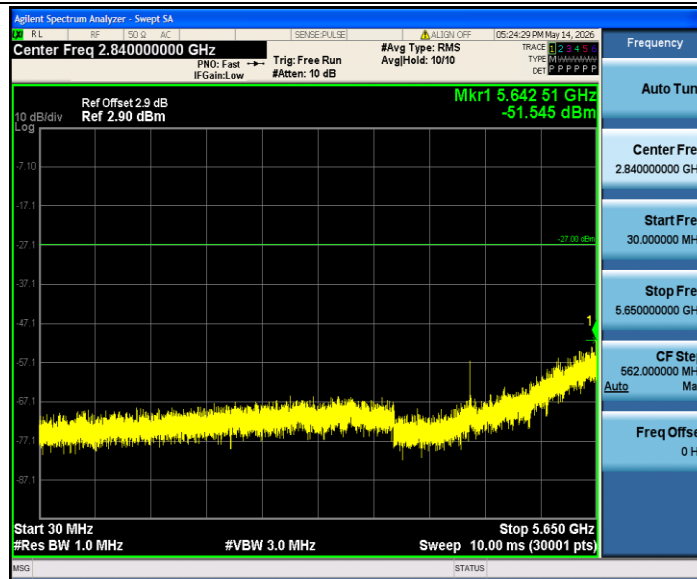
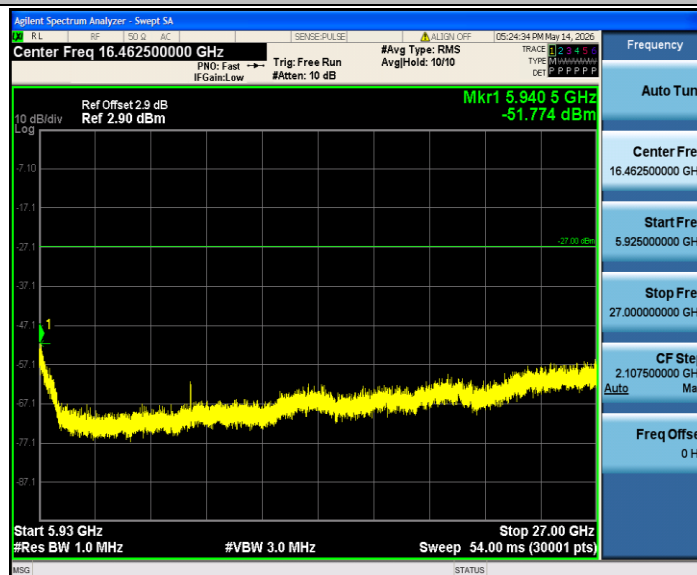
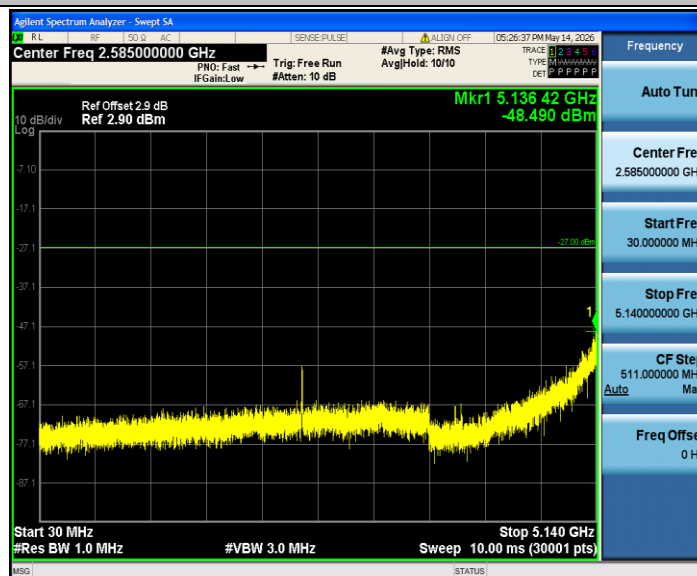




11AC20SISO_Ant1_5825_5925~40000



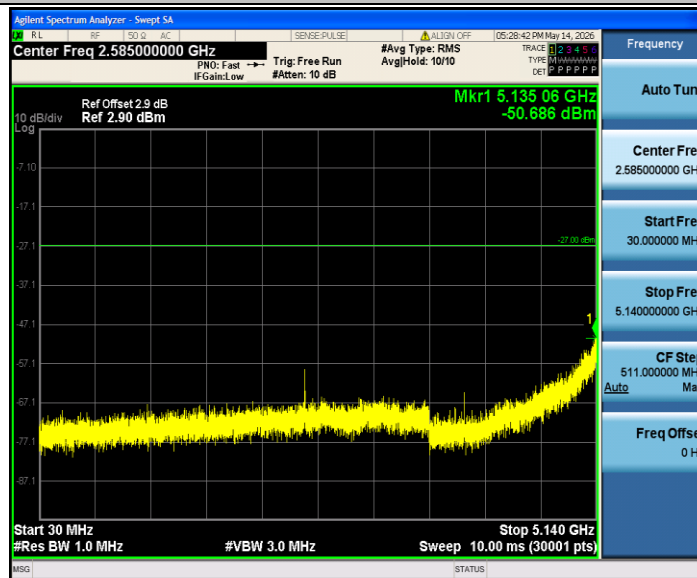
11AC40SISO_Ant1_5190_30~5140



11AC40SISO_Ant1_5190_5360~40000



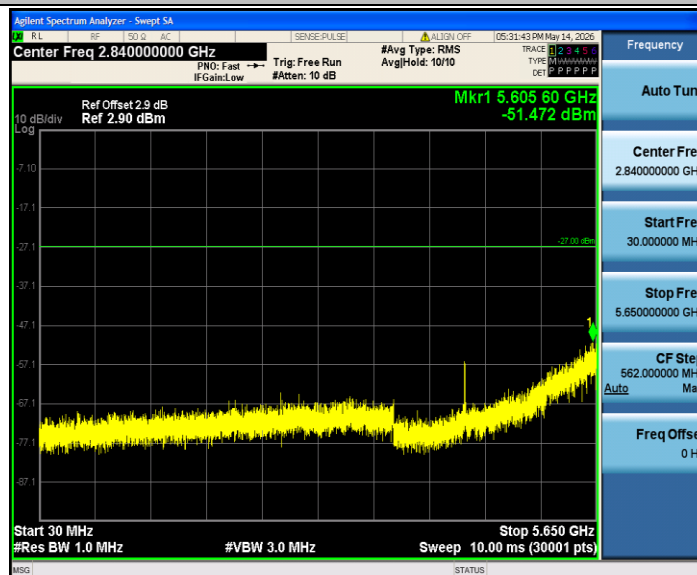
11AC40SISO_Ant1_5230_30~5140



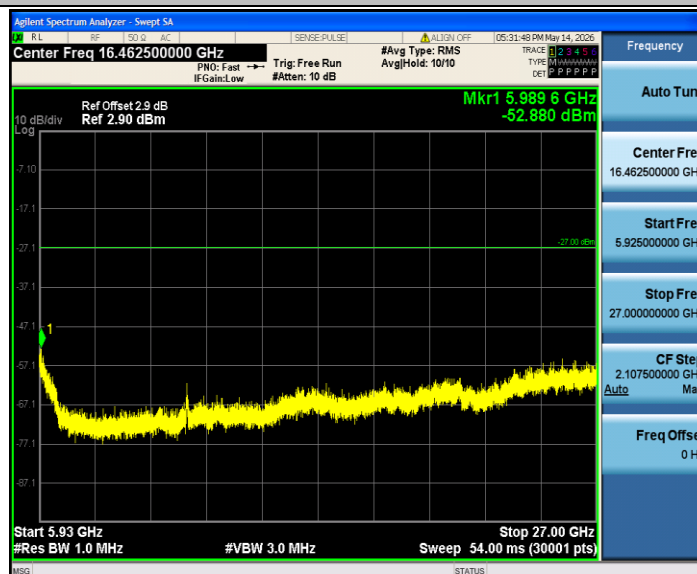
11AC40SISO_Ant1_5230_5360~40000



11AC40SISO_Ant1_5755_30~5650



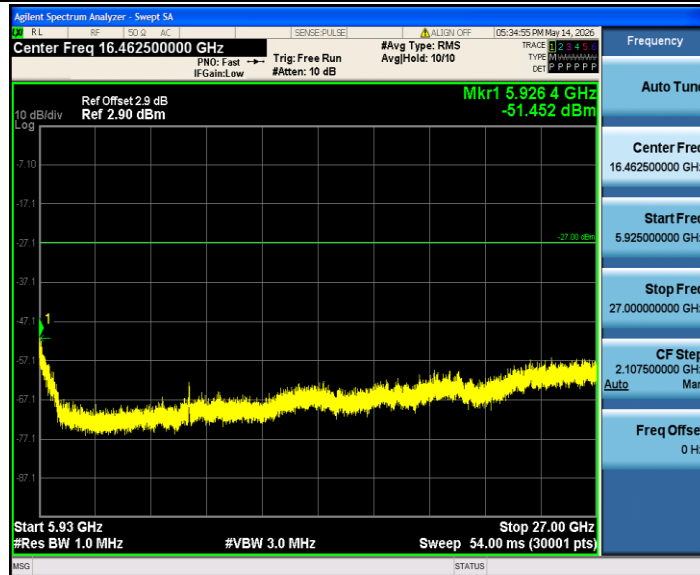
11AC40SISO_Ant1_5755_5925~40000



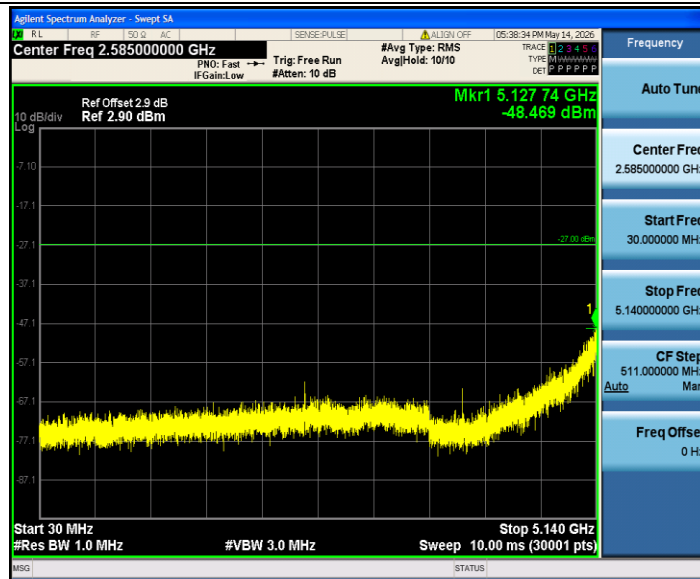
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



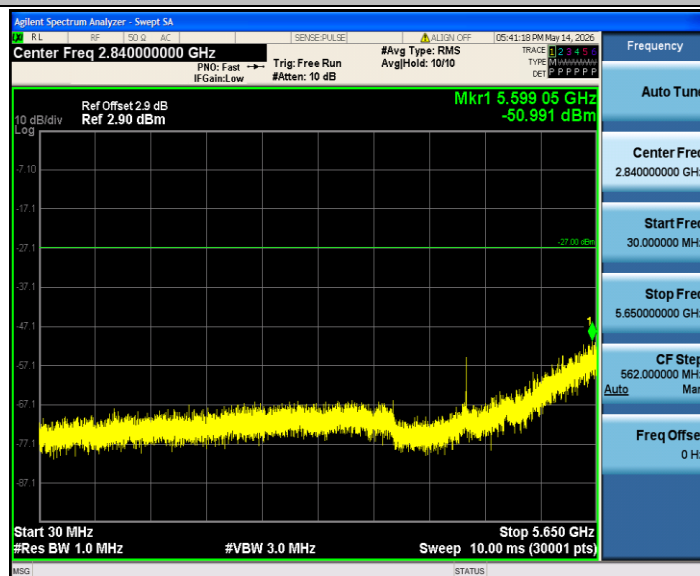
11AC80SISO_Ant1_5210_30~5140



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	-62.67	2.00	1.33	-59.34	≤-41.20	PASS
				AV	5146.100	-59.7	2.00	1.33	-56.37	≤-41.20	PASS
				AV	5150.000	-59.98	2.00	1.33	-56.65	≤-41.20	PASS
				Peak	4500.000	-53.56	2.00	0.00	-51.56	≤-27.00	PASS
				Peak	5067.000	-50	2.00	0.00	-48	≤-27.00	PASS
				Peak	5150.000	-51.42	2.00	0.00	-49.42	≤-27.00	PASS
		High	5240	AV	5350.000	-61.28	2.00	1.25	-58.03	≤-41.20	PASS
				AV	5434.800	-60.53	2.00	1.25	-57.28	≤-41.20	PASS
				AV	5460.000	-60.89	2.00	1.25	-57.64	≤-41.20	PASS
				Peak	5350.000	-53.24	2.00	0.00	-51.24	≤-27.00	PASS
				Peak	5435.520	-50.11	2.00	0.00	-48.11	≤-27.00	PASS
				Peak	5460.000	-52.84	2.00	0.00	-50.84	≤-27.00	PASS
		Low	5745	Peak	5650.000	-52.223	2.00	0.00	-50.223	≤-27.00	PASS
				Peak	5700.000	-53.29	2.00	0.00	-51.29	≤10.00	PASS
				Peak	5720.000	-53.22	2.00	0.00	-51.22	≤15.60	PASS
				Peak	5725.000	-52.33	2.00	0.00	-50.33	≤27.00	PASS
		High	5825	Peak	5850.000	-51.725	2.00	0.00	-49.725	≤27.00	PASS
				Peak	5855.000	-52.23	2.00	0.00	-50.23	≤15.60	PASS
				Peak	5875.000	-51.76	2.00	0.00	-49.76	≤10.00	PASS
				Peak	5925.000	-52.93	2.00	0.00	-50.93	≤-27.00	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-63	2.00	0.87	-60.13	≤-41.20	PASS
				AV	5144.700	-59.62	2.00	0.87	-56.75	≤-41.20	PASS
				AV	5150.000	-59.43	2.00	0.87	-56.56	≤-41.20	PASS
				Peak	4500.000	-54.62	2.00	0.00	-52.62	≤-27.00	PASS
				Peak	5141.900	-49.35	2.00	0.00	-47.35	≤-27.00	PASS
				Peak	5150.000	-52.21	2.00	0.00	-50.21	≤-27.00	PASS
		High	5240	AV	5350.000	-58.48	2.00	1.06	-55.42	≤-41.20	PASS
				AV	5351.040	-57.66	2.00	1.06	-54.6	≤-41.20	PASS
				AV	5460.000	-59.15	2.00	1.06	-56.09	≤-41.20	PASS
				Peak	5350.000	-48.37	2.00	0.00	-46.37	≤-27.00	PASS
				Peak	5354.640	-47.41	2.00	0.00	-45.41	≤-27.00	PASS
				Peak	5460.000	-50.05	2.00	0.00	-48.05	≤-27.00	PASS
		Low	5745	Peak	5650.000	-51.827	2.00	0.00	-49.827	≤-27.00	PASS
				Peak	5700.000	-51.36	2.00	0.00	-49.36	≤10.00	PASS
				Peak	5720.000	-49.9	2.00	0.00	-47.9	≤15.60	PASS
				Peak	5725.000	-48.82	2.00	0.00	-46.82	≤27.00	PASS

		High	5825	Peak	5850.000	-49.318	2.00	0.00	-47.318	≤27.00	PASS
				Peak	5855.000	-50.08	2.00	0.00	-48.08	≤15.60	PASS
				Peak	5875.000	-48.26	2.00	0.00	-46.26	≤10.00	PASS
				Peak	5925.000	-50.6	2.00	0.00	-48.6	≤-27.00	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-62.6	2.00	1.06	-59.54	≤-41.20	PASS
				AV	5149.600	-56.91	2.00	1.06	-53.85	≤-41.20	PASS
				AV	5150.000	-56.8	2.00	1.06	-53.74	≤-41.20	PASS
				Peak	4500.000	-53.28	2.00	0.00	-51.28	≤-27.00	PASS
				Peak	5142.600	-47.36	2.00	0.00	-45.36	≤-27.00	PASS
				Peak	5150.000	-48.76	2.00	0.00	-46.76	≤-27.00	PASS
		High	5230	AV	5350.000	-58.38	2.00	0.87	-55.51	≤-41.20	PASS
				AV	5353.140	-57.75	2.00	0.87	-54.88	≤-41.20	PASS
				AV	5460.000	-58.95	2.00	0.87	-56.08	≤-41.20	PASS
				Peak	5350.000	-49.07	2.00	0.00	-47.07	≤-27.00	PASS
				Peak	5351.320	-46.67	2.00	0.00	-44.67	≤-27.00	PASS
				Peak	5460.000	-51.13	2.00	0.00	-49.13	≤-27.00	PASS
		Low	5755	Peak	5650.000	-51.908	2.00	0.00	-49.908	≤-27.00	PASS
				Peak	5700.000	-49.55	2.00	0.00	-47.55	≤10.00	PASS
				Peak	5720.000	-46.19	2.00	0.00	-44.19	≤15.60	PASS
				Peak	5725.000	-46.78	2.00	0.00	-44.78	≤27.00	PASS
		High	5795	Peak	5850.000	-50.058	2.00	0.00	-48.058	≤27.00	PASS
				Peak	5855.000	-51.18	2.00	0.00	-49.18	≤15.60	PASS
				Peak	5875.000	-51.04	2.00	0.00	-49.04	≤10.00	PASS
				Peak	5925.000	-50.13	2.00	0.00	-48.13	≤-27.00	PASS
11AC20S ISO	Ant1	Low	5180	AV	4500.000	-62.45	2.00	0.76	-59.69	≤-41.20	PASS
				AV	5140.500	-57.29	2.00	0.76	-54.53	≤-41.20	PASS
				AV	5150.000	-57.93	2.00	0.76	-55.17	≤-41.20	PASS
				Peak	4500.000	-54.98	2.00	0.00	-52.98	≤-27.00	PASS
				Peak	5147.500	-46.19	2.00	0.00	-44.19	≤-27.00	PASS
				Peak	5150.000	-50.04	2.00	0.00	-48.04	≤-27.00	PASS
		High	5240	AV	5350.000	-57.91	2.00	0.79	-55.12	≤-41.20	PASS
				AV	5354.160	-57.33	2.00	0.79	-54.54	≤-41.20	PASS
				AV	5460.000	-59.53	2.00	0.79	-56.74	≤-41.20	PASS
				Peak	5350.000	-47.57	2.00	0.00	-45.57	≤-27.00	PASS
				Peak	5360.880	-46.67	2.00	0.00	-44.67	≤-27.00	PASS
				Peak	5460.000	-49.43	2.00	0.00	-47.43	≤-27.00	PASS
		Low	5745	Peak	5650.000	-50.323	2.00	0.00	-48.323	≤-27.00	PASS
				Peak	5700.000	-50.52	2.00	0.00	-48.52	≤10.00	PASS
				Peak	5720.000	-49.74	2.00	0.00	-47.74	≤15.60	PASS
				Peak	5725.000	-45.69	2.00	0.00	-43.69	≤27.00	PASS
		High	5825	Peak	5850.000	-49.635	2.00	0.00	-47.635	≤27.00	PASS
				Peak	5855.000	-51.32	2.00	0.00	-49.32	≤15.60	PASS
				Peak	5875.000	-49.51	2.00	0.00	-47.51	≤10.00	PASS

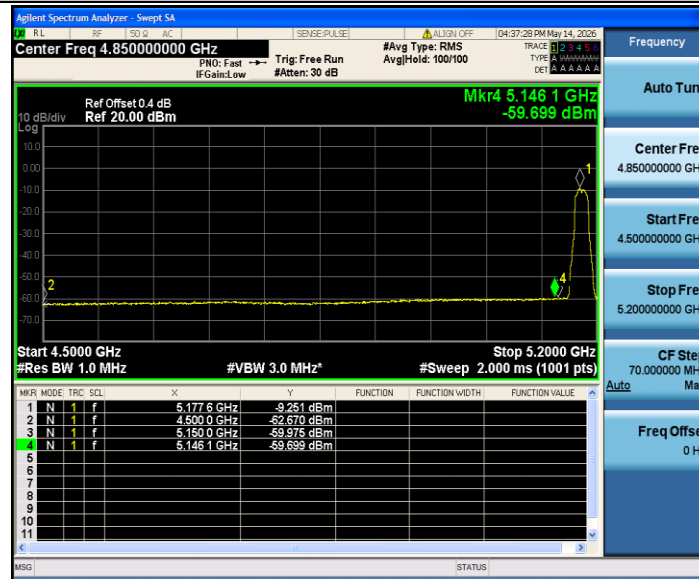
				Peak	5925.000	-50.91	2.00	0.00	-48.91	≤-27.00	PASS
11AC40S ISO	Ant1	Low	5190	AV	4500.000	-62.71	2.00	1.06	-59.65	≤-41.20	PASS
				AV	5148.200	-57.23	2.00	1.06	-54.17	≤-41.20	PASS
				AV	5150.000	-57.08	2.00	1.06	-54.02	≤-41.20	PASS
				Peak	4500.000	-53.68	2.00	0.00	-51.68	≤-27.00	PASS
				Peak	5127.900	-47.78	2.00	0.00	-45.78	≤-27.00	PASS
				Peak	5150.000	-48.43	2.00	0.00	-46.43	≤-27.00	PASS
		High	5230	AV	5350.000	-58.3	2.00	1.12	-55.18	≤-41.20	PASS
				AV	5351.060	-57.79	2.00	1.12	-54.67	≤-41.20	PASS
				AV	5460.000	-59.23	2.00	1.12	-56.11	≤-41.20	PASS
				Peak	5350.000	-49.36	2.00	0.00	-47.36	≤-27.00	PASS
				Peak	5390.060	-46.9	2.00	0.00	-44.9	≤-27.00	PASS
				Peak	5460.000	-51.62	2.00	0.00	-49.62	≤-27.00	PASS
		Low	5755	Peak	5650.000	-51.868	2.00	0.00	-49.868	≤-27.00	PASS
				Peak	5700.000	-51.69	2.00	0.00	-49.69	≤10.00	PASS
				Peak	5720.000	-48.92	2.00	0.00	-46.92	≤15.60	PASS
				Peak	5725.000	-48.13	2.00	0.00	-46.13	≤27.00	PASS
		High	5795	Peak	5850.000	-50.218	2.00	0.00	-48.218	≤27.00	PASS
				Peak	5855.000	-50.85	2.00	0.00	-48.85	≤15.60	PASS
				Peak	5875.000	-49.27	2.00	0.00	-47.27	≤10.00	PASS
				Peak	5925.000	-51.42	2.00	0.00	-49.42	≤-27.00	PASS
11AC80S ISO	Ant1	Low	5210	AV	4500.000	-62.81	2.00	1.18	-59.63	≤-41.20	PASS
				AV	5142.000	-57.43	2.00	1.18	-54.25	≤-41.20	PASS
				AV	5150.000	-57.64	2.00	1.18	-54.46	≤-41.20	PASS
				Peak	4500.000	-54.22	2.00	0.00	-52.22	≤-27.00	PASS
				Peak	5146.500	-47.23	2.00	0.00	-45.23	≤-27.00	PASS
				Peak	5150.000	-49.79	2.00	0.00	-47.79	≤-27.00	PASS
		High	5210	AV	5350.000	-58.03	2.00	1.18	-54.85	≤-41.20	PASS
				AV	5372.080	-57.54	2.00	1.18	-54.36	≤-41.20	PASS
				AV	5460.000	-58.89	2.00	1.18	-55.71	≤-41.20	PASS
				Peak	5350.000	-48.57	2.00	0.00	-46.57	≤-27.00	PASS
				Peak	5370.960	-46.49	2.00	0.00	-44.49	≤-27.00	PASS
				Peak	5460.000	-49.85	2.00	0.00	-47.85	≤-27.00	PASS
		Low	5775	Peak	5650.000	-50.186	2.00	0.00	-48.186	≤-27.00	PASS
				Peak	5700.000	-51.05	2.00	0.00	-49.05	≤10.00	PASS
				Peak	5720.000	-49.57	2.00	0.00	-47.57	≤15.60	PASS
				Peak	5725.000	-42.48	2.00	0.00	-40.48	≤27.00	PASS
		High	5775	Peak	5850.000	-50.163	2.00	0.00	-48.163	≤27.00	PASS
				Peak	5855.000	-49.21	2.00	0.00	-47.21	≤15.60	PASS
				Peak	5875.000	-49.43	2.00	0.00	-47.43	≤10.00	PASS
				Peak	5925.000	-50.6	2.00	0.00	-48.6	≤-27.00	PASS

Note:

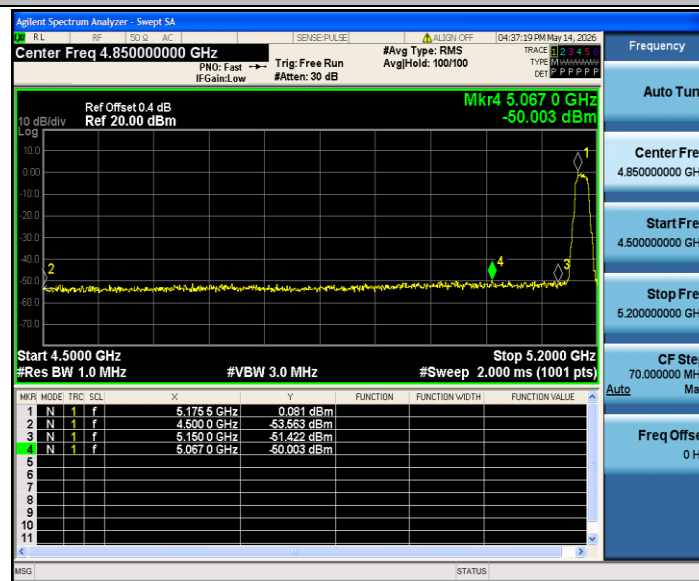
1. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

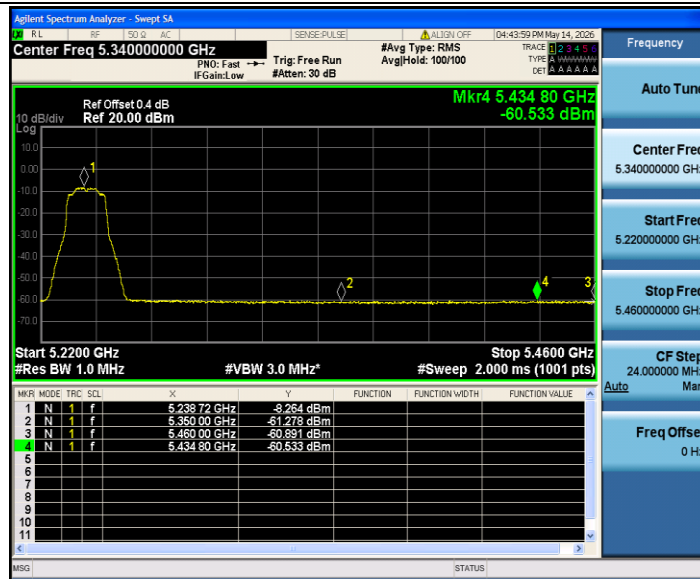
11A_Ant1_Low_5180_AV



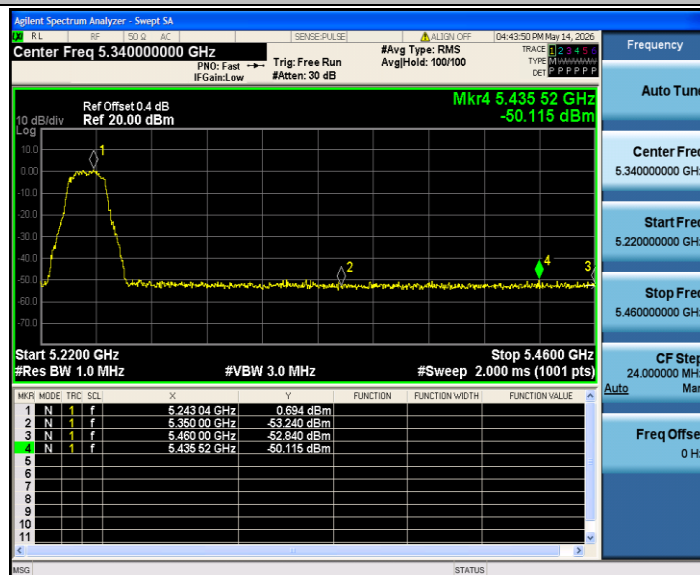
11A_Ant1_Low_5180_Peak



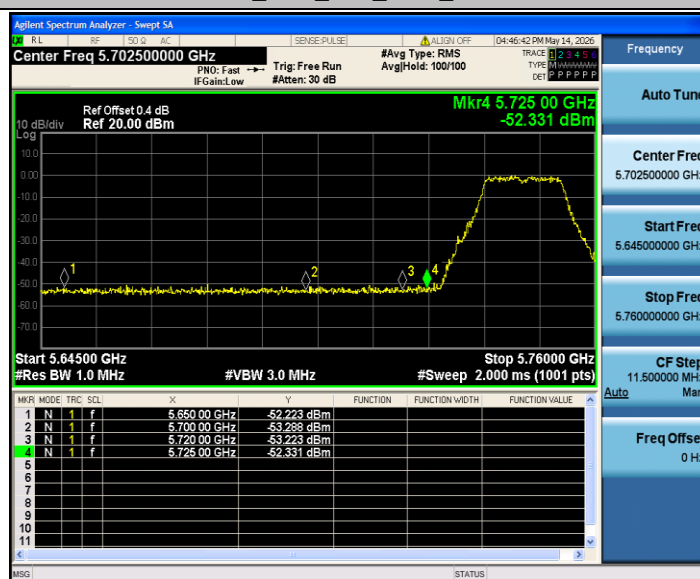
11A_Ant1_High_5240_AV



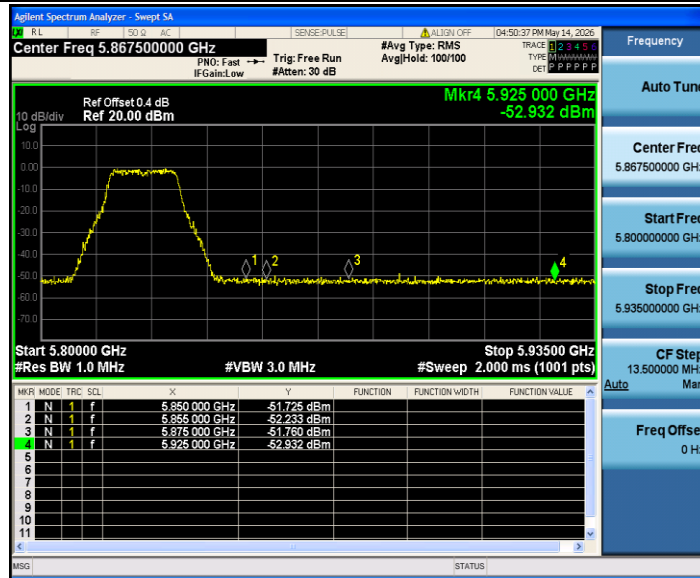
11A_Ant1_High_5240_Peak



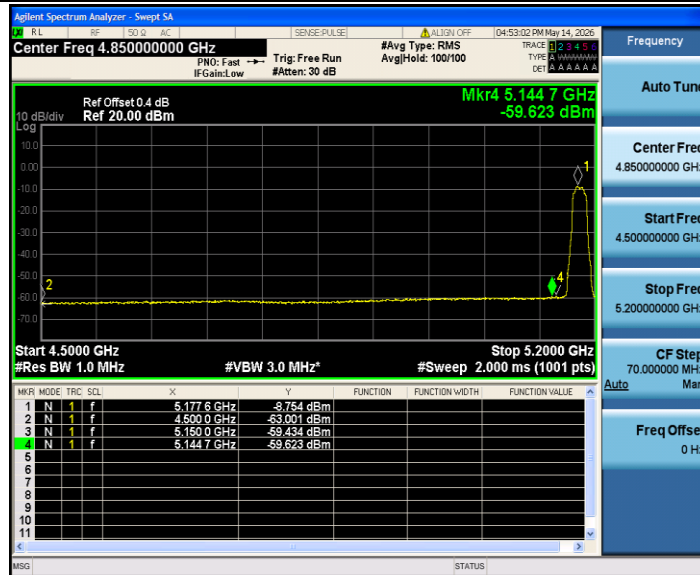
11A_Ant1_Low_5745_Peak



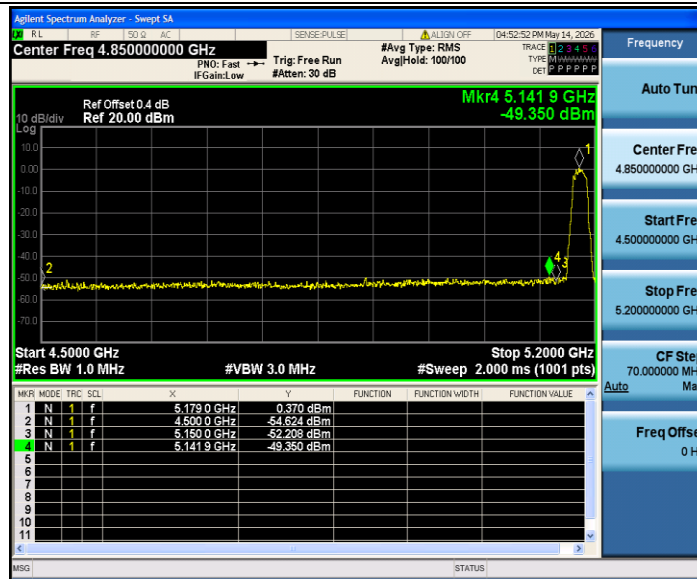
11A_Ant1_High_5825_Peak



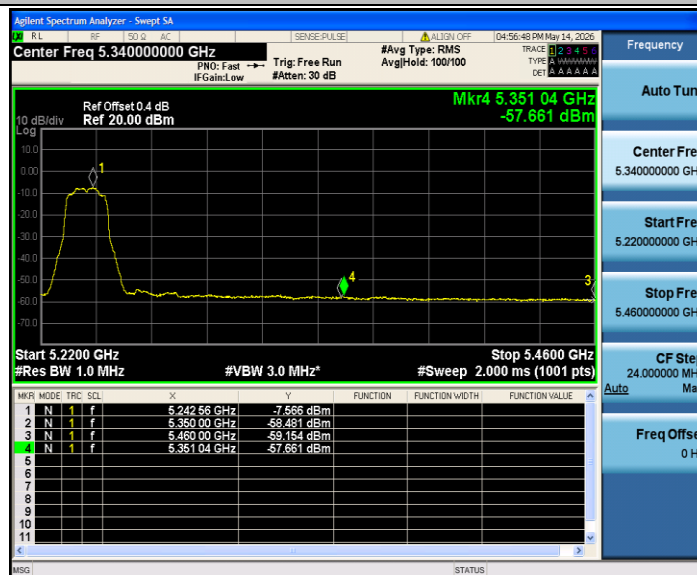
11N20SISO_Ant1_Low_5180_AV



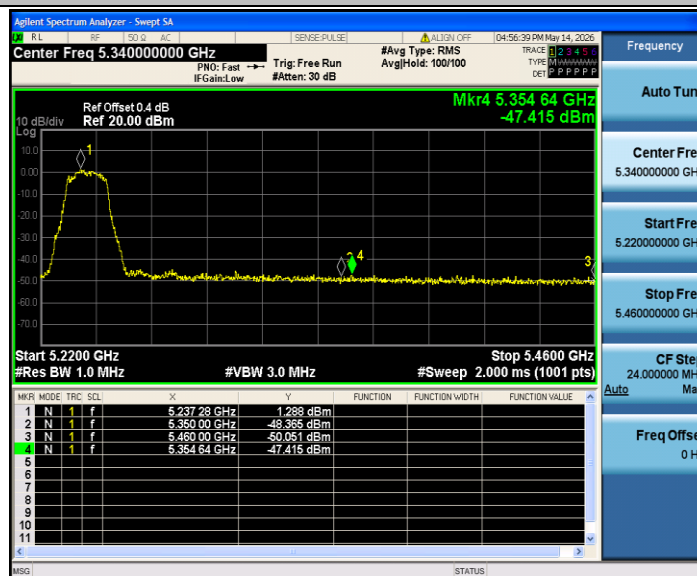
11N20SISO_Ant1_Low_5180_Peak



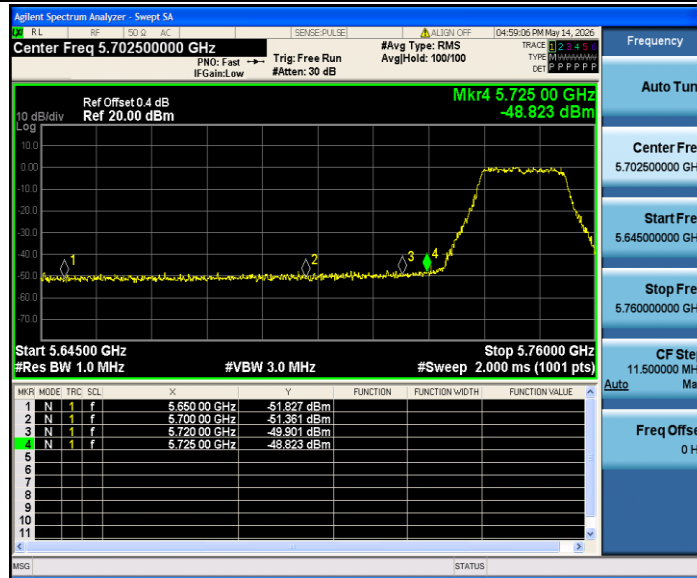
11N20SISO_Ant1_High_5240_AV



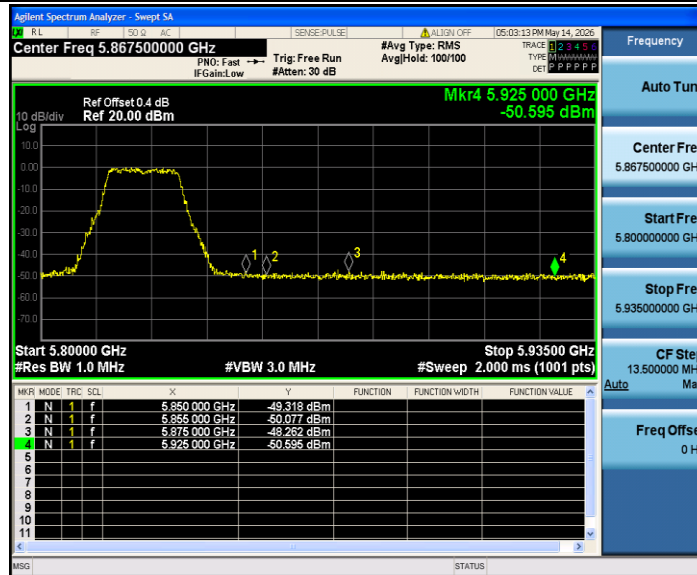
11N20SISO_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5745_Peak



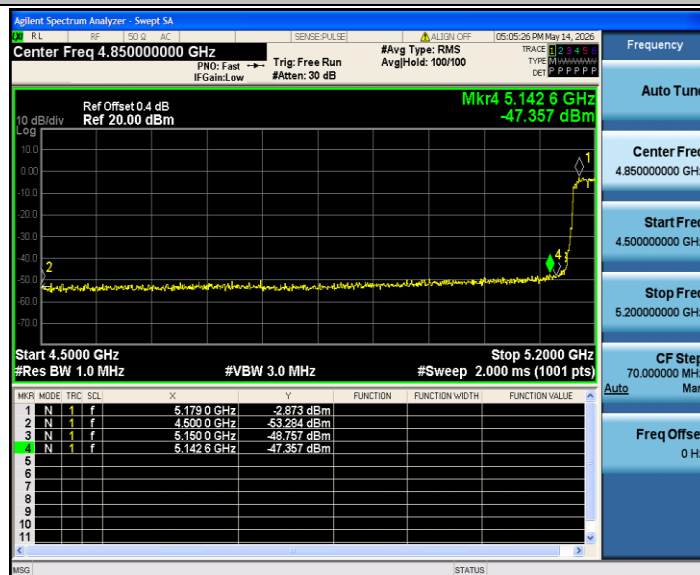
11N20SISO_Ant1_High_5825_Peak



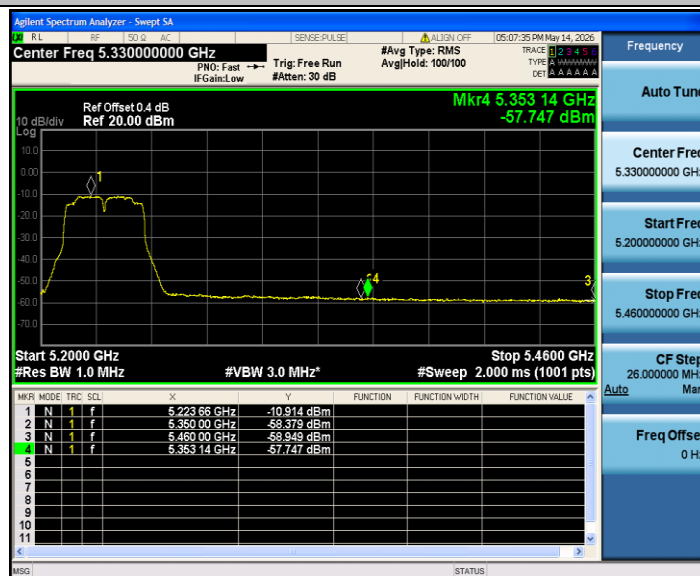
11N40SISO_Ant1_Low_5190_AV



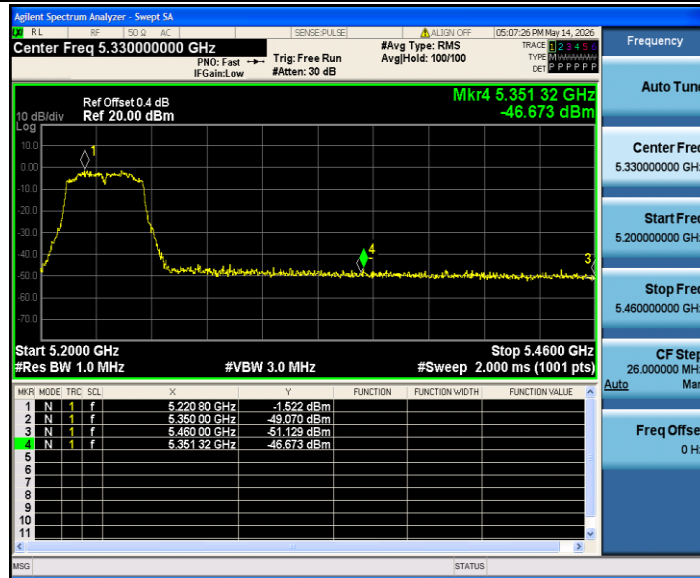
11N40SISO_Ant1_Low_5190_Peak



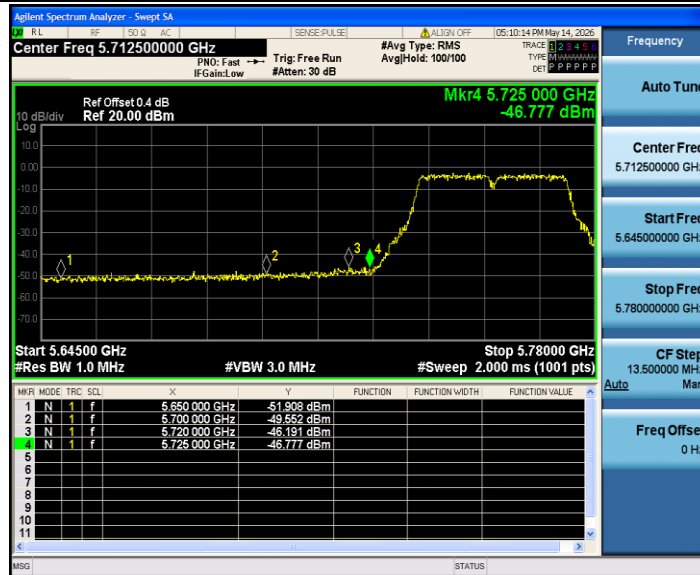
11N40SISO_Ant1_High_5230_AV



11N40SISO_Ant1_High_5230_Peak



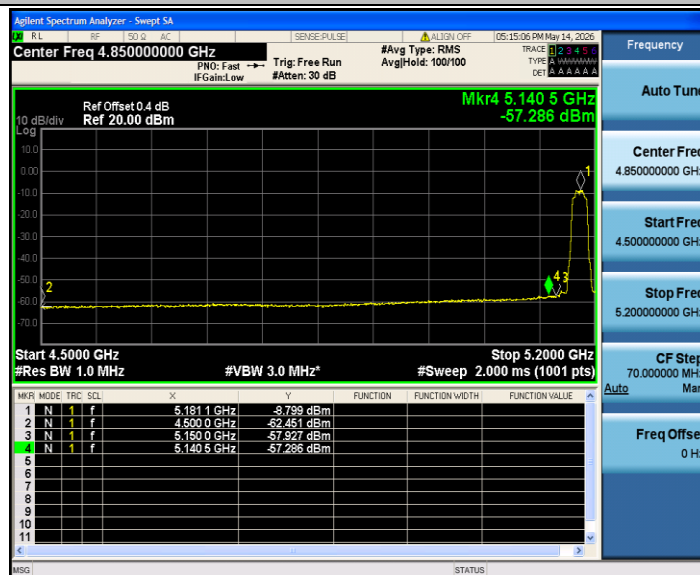
11N40SISO_Ant1_Low_5755_Peak



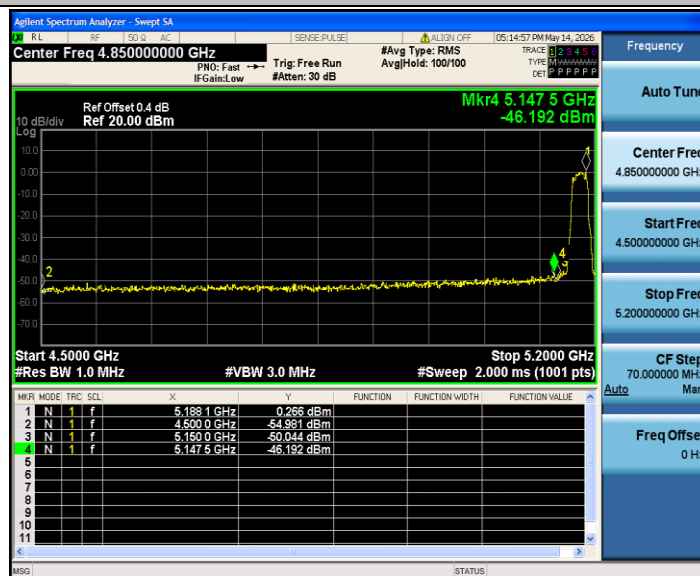
11N40SISO_Ant1_High_5795_Peak



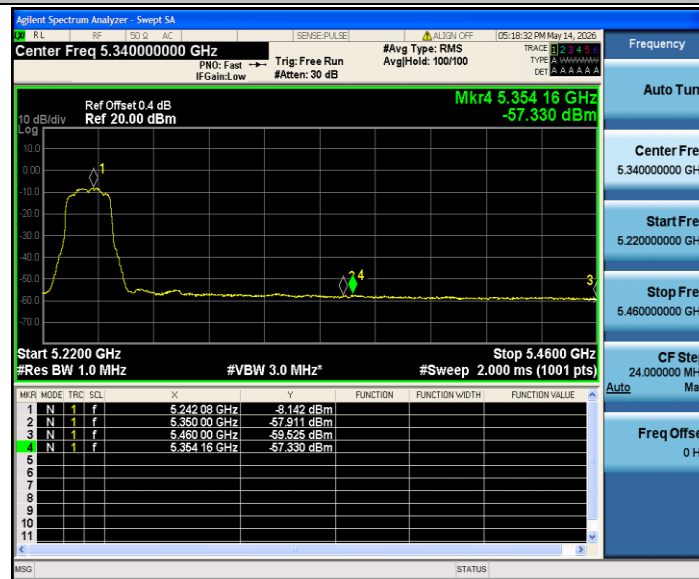
11AC20SISO_Ant1_Low_5180_AV



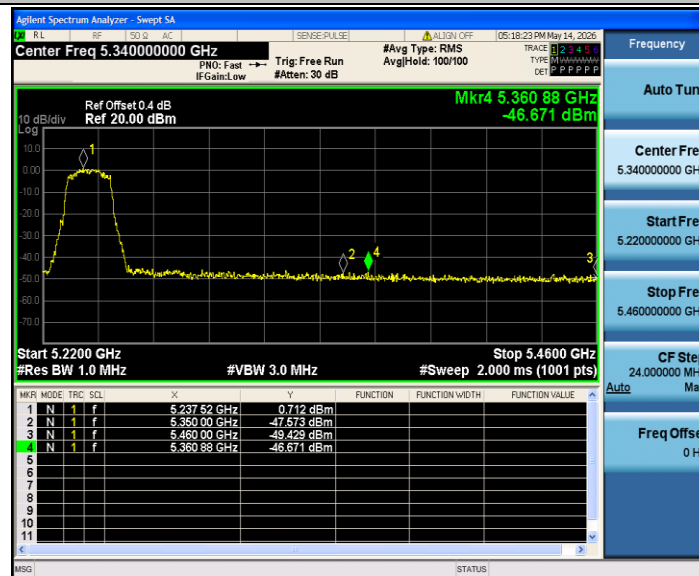
11AC20SISO_Ant1_Low_5180_Peak



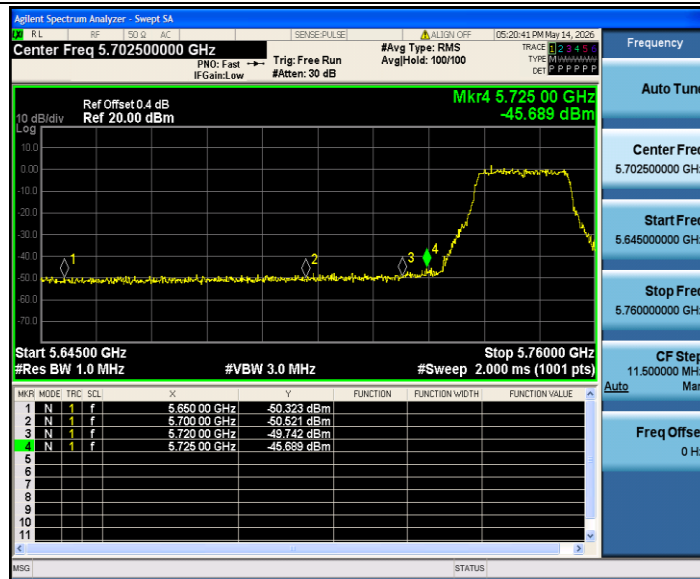
11AC20SISO_Ant1_High_5240_AV



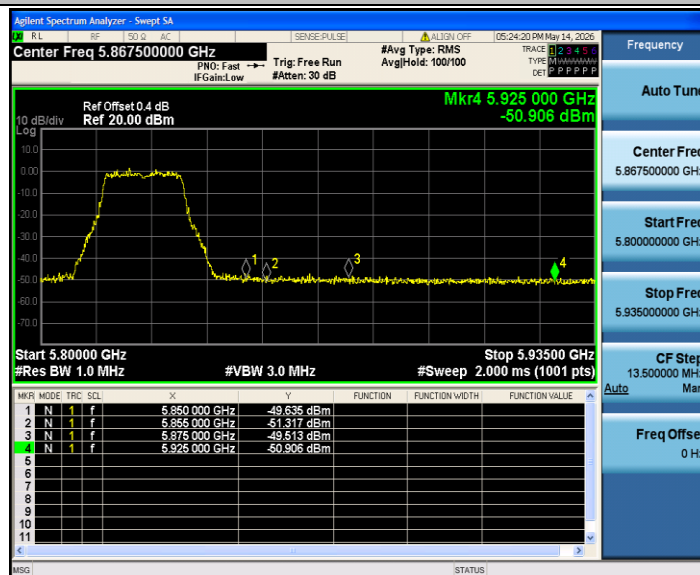
11AC20SISO_Ant1_High_5240_Peak



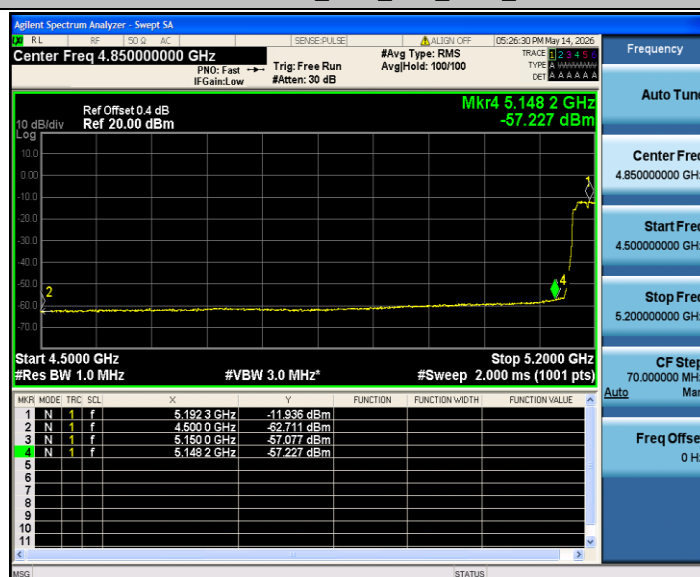
11AC20SISO_Ant1_Low_5745_Peak



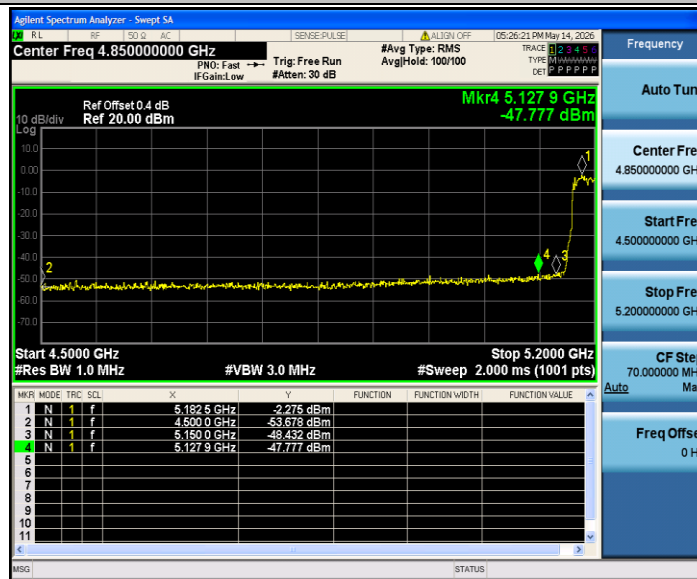
11AC20SISO_Ant1_High_5825_Peak



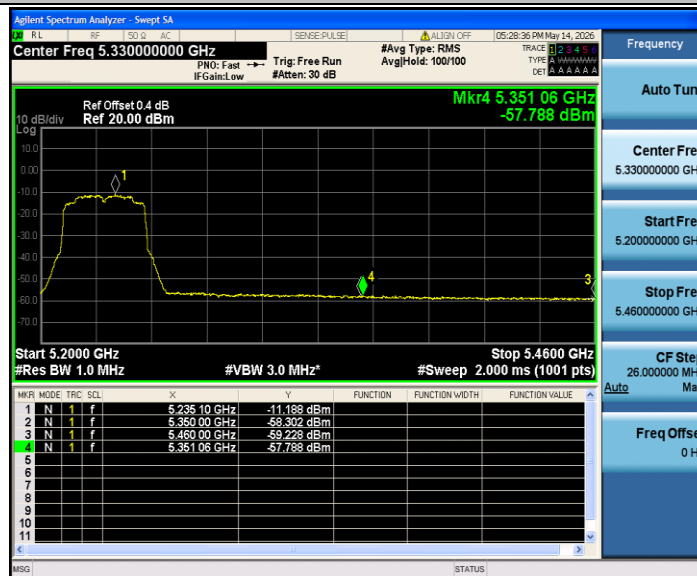
11AC40SISO_Ant1_Low_5190_AV



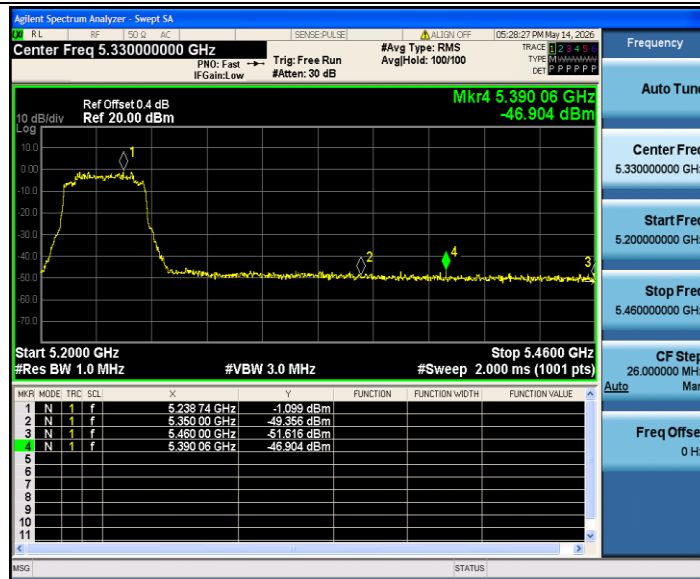
11AC40SISO_Ant1_Low_5190_Peak



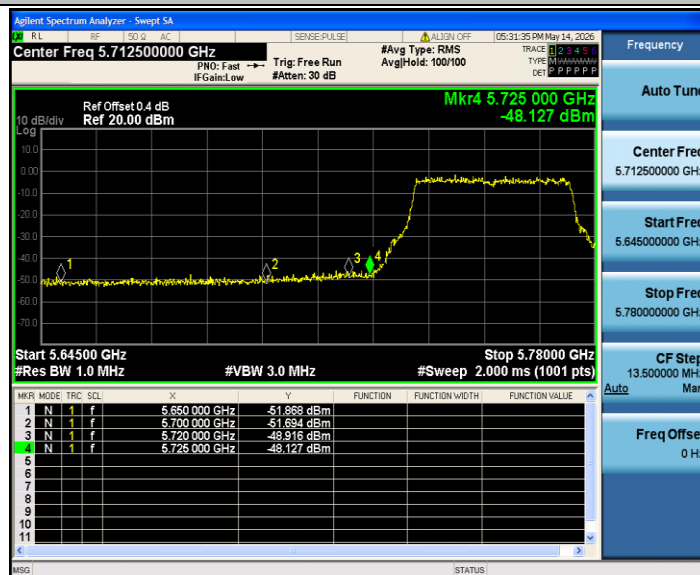
11AC40SISO_Ant1_High_5230_AV



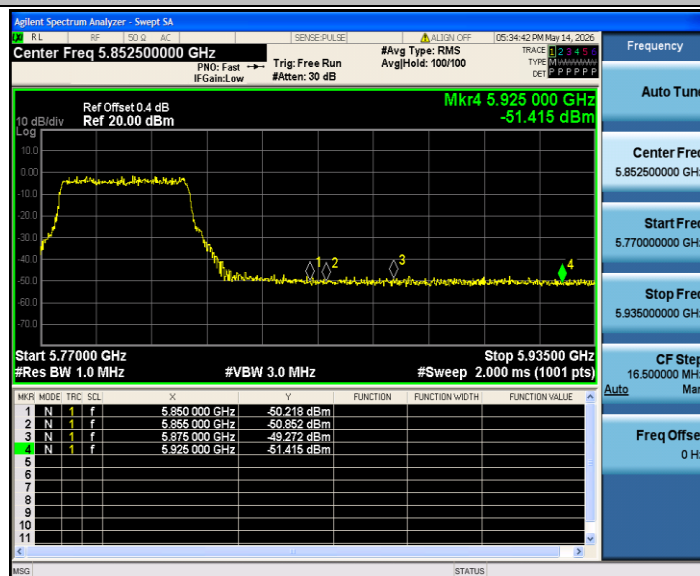
11AC40SISO_Ant1_High_5230_Peak



11AC40SISO_Ant1_Low_5755_Peak



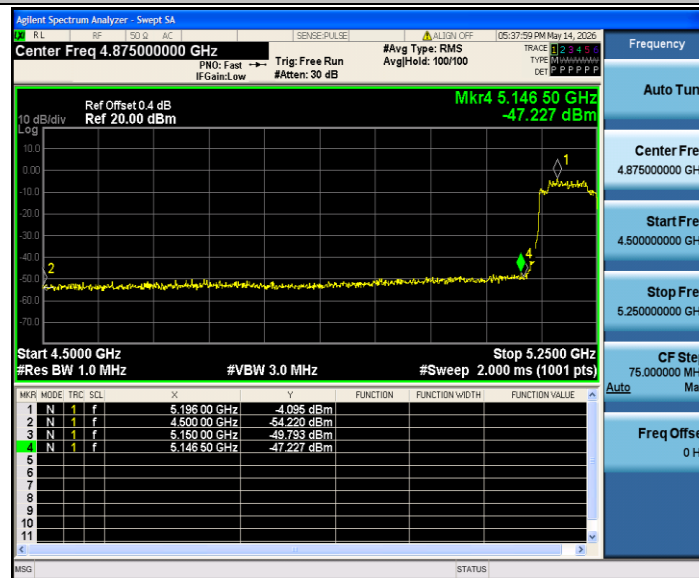
11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5210_AV



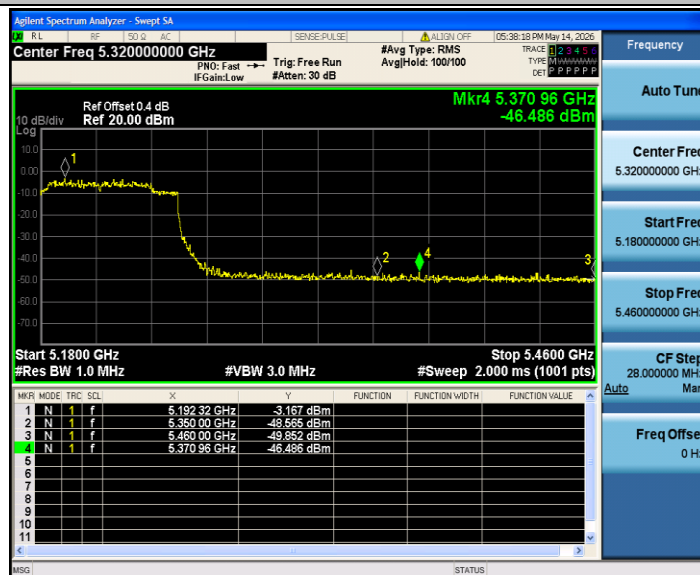
11AC80SISO_Ant1_Low_5210_Peak



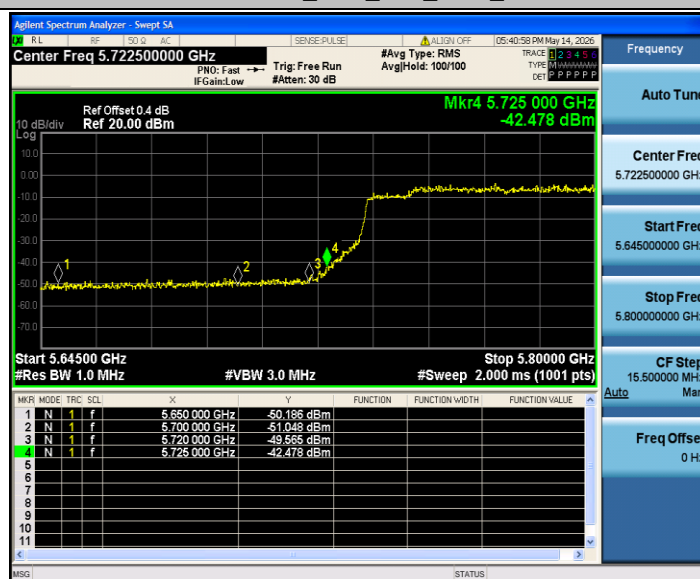
11AC80SISO_Ant1_High_5210_AV



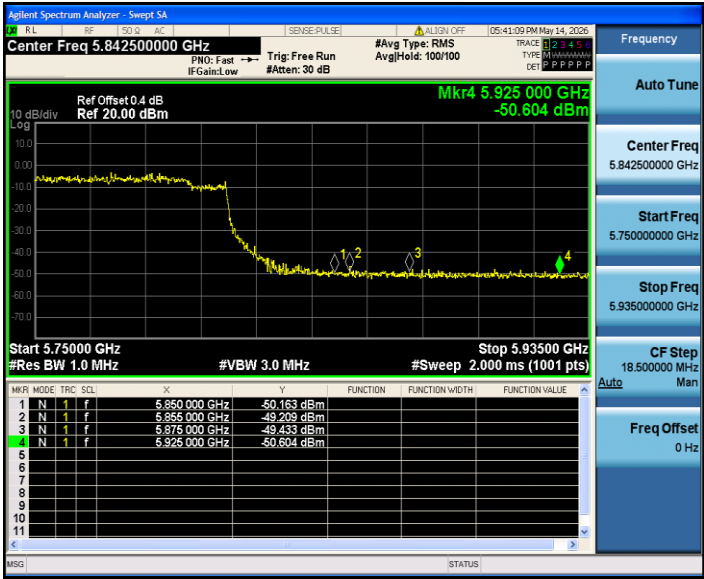
11AC80SISO_Ant1_High_5210_Peak



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	23.920	5167.800	5191.720	---	---
		5220	23.520	5208.400	5231.920	---	---
		5240	23.280	5228.880	5252.160	---	---
		5745	23.800	5733.160	5756.960	---	---
		5785	24.800	5772.440	5797.240	---	---
		5825	25.240	5812.000	5837.240	---	---
11N20SISO	Ant2	5180	23.880	5168.280	5192.160	---	---
		5220	23.680	5208.400	5232.080	---	---
		5240	24.760	5227.840	5252.600	---	---
		5745	24.160	5732.960	5757.120	---	---
		5785	25.280	5772.360	5797.640	---	---
		5825	25.120	5812.800	5837.920	---	---
11N40SISO	Ant2	5190	43.680	5168.480	5212.160	---	---
		5230	42.960	5209.200	5252.160	---	---
		5755	45.120	5733.000	5778.120	---	---
		5795	44.400	5773.800	5818.200	---	---
11AC20SISO	Ant2	5180	22.480	5168.600	5191.080	---	---
		5220	23.400	5208.160	5231.560	---	---
		5240	22.920	5228.520	5251.440	---	---
		5745	24.280	5732.680	5756.960	---	---
		5785	24.360	5773.280	5797.640	---	---
		5825	23.480	5813.160	5836.640	---	---
11AC40SISO	Ant2	5190	42.640	5168.800	5211.440	---	---
		5230	42.160	5208.800	5250.960	---	---
		5755	44.960	5733.080	5778.040	---	---
		5795	45.120	5772.840	5817.960	---	---
11AC80SISO	Ant2	5210	86.720	5166.800	5253.520	---	---
		5775	85.600	5732.760	5818.360	---	---

Test Graphs



11A_Ant2_5220

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.220000000 GHz

Ref Offset 0.4 dB
Ref 20.00 dBm

Trig: Free Run
#Atten: 30 dB

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

AL301 OFF

05:44:20 PM May 14, 2026

Frequency

Auto Tune

Center Freq
5.220000000 GHz

Start Freq
5.200000000 GHz

Stop Freq
5.240000000 GHz

CF Step
4.0000000 MHz
Auto
Man

Freq Offset
0 Hz

10 dB/div
Log

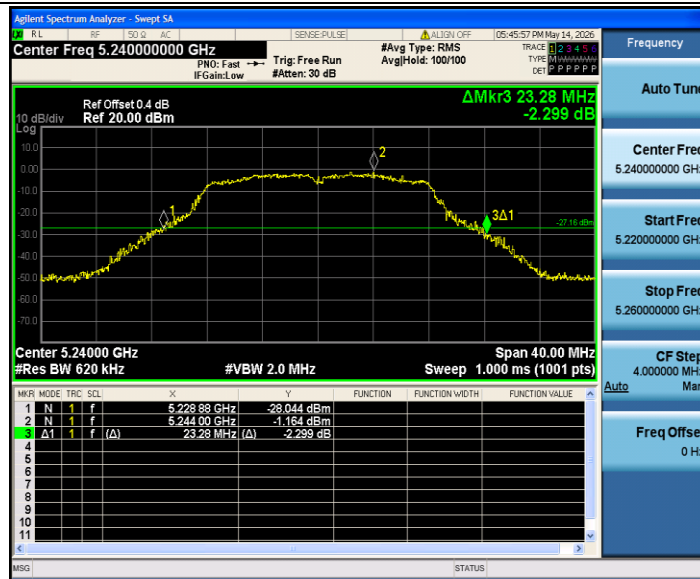
Ref Offset 0.4 dB
Ref 20.00 dBm

Δ Mkr3 23.52 MHz
0.557 dB

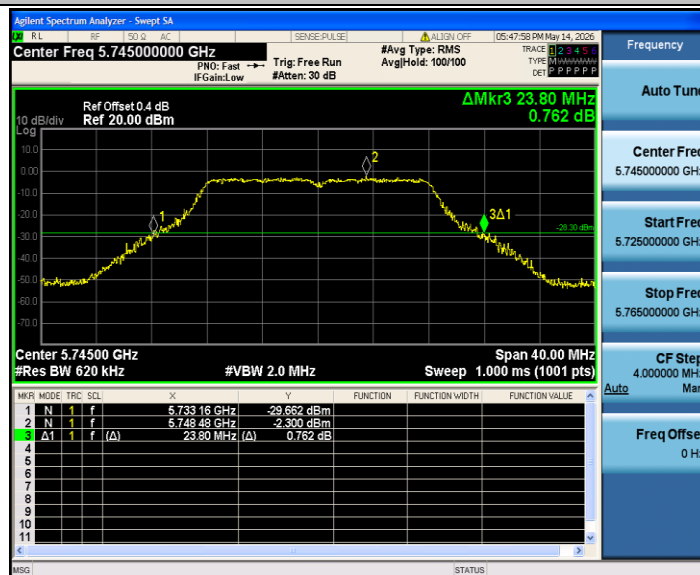
Center 5.22000 GHz
#Res BW 620 kHz
#VBW 2.0 MHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.20840 GHz	-28.795 dBm			
2	N	1	f	5.21696 GHz	-0.980 dBm			
3	Δ	1	f	23.52 MHz (Δ)	0.557 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

