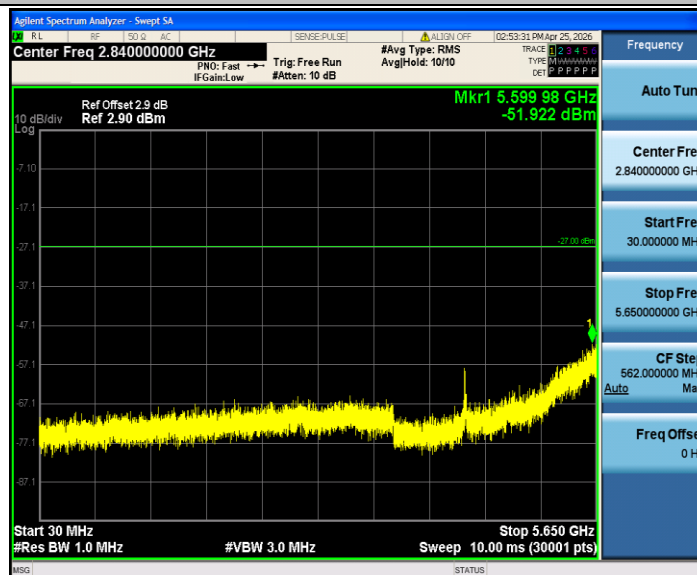
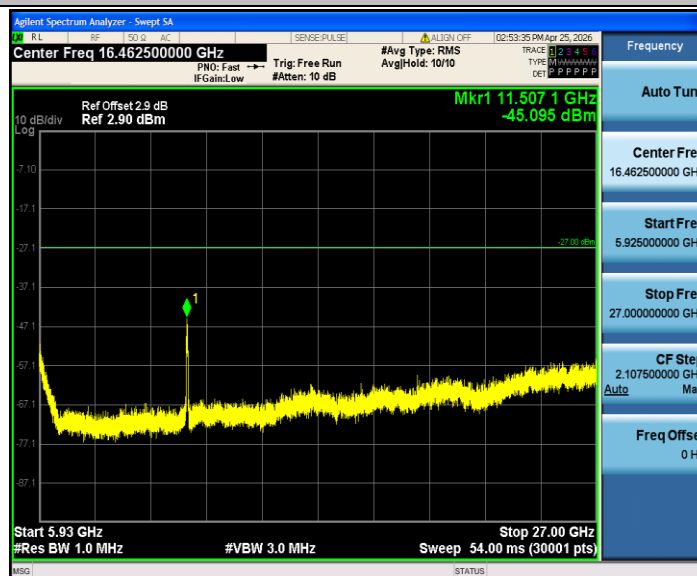




11AX40SISO_Ant1_5755_30~5650



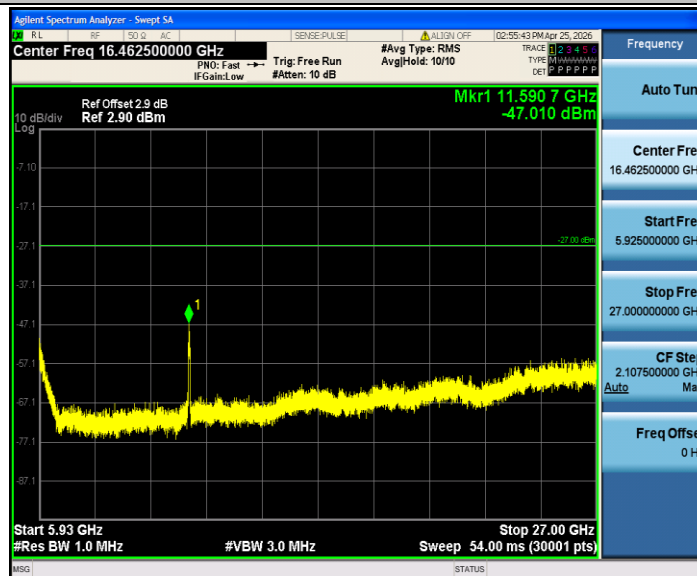
11AX40SISO_Ant1_5755_5925~40000



11AX40SISO_Ant1_5795_30~5650



11AX40SISO_Ant1_5795_5925~40000



Appendix G: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detect or	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-62.36	2.00	1.03	-59.33	≤-41.20	PASS
				AV	5142.600	-53.63	2.00	1.03	-50.6	≤-41.20	PASS
				AV	5150.000	-55.12	2.00	1.03	-52.09	≤-41.20	PASS
				Peak	4500.000	-52.85	2.00	0.00	-50.85	≤-27.00	PASS
				Peak	5141.900	-42.18	2.00	0.00	-40.18	≤-27.00	PASS
				Peak	5150.000	-42.43	2.00	0.00	-40.43	≤-27.00	PASS
		High	5240	AV	5350.000	-58.45	2.00	1.33	-55.12	≤-41.20	PASS
				AV	5363.040	-57.63	2.00	1.33	-54.3	≤-41.20	PASS
				AV	5460.000	-59.91	2.00	1.33	-56.58	≤-41.20	PASS
				Peak	5350.000	-49.96	2.00	0.00	-47.96	≤-27.00	PASS
				Peak	5400.000	-46.06	2.00	0.00	-44.06	≤-27.00	PASS
				Peak	5460.000	-50.92	2.00	0.00	-48.92	≤-27.00	PASS
		Low	5745	Peak	5650.000	-51.246	2.00	0.00	-49.246	≤-27.00	PASS
				Peak	5700.000	-50.18	2.00	0.00	-48.18	≤10.00	PASS
				Peak	5720.000	-45.86	2.00	0.00	-43.86	≤15.60	PASS
				Peak	5725.000	-42.58	2.00	0.00	-40.58	≤27.00	PASS
		High	5825	Peak	5850.000	-45.289	2.00	0.00	-43.289	≤27.00	PASS
				Peak	5855.000	-47.7	2.00	0.00	-45.7	≤15.60	PASS
				Peak	5875.000	-49.24	2.00	0.00	-47.24	≤10.00	PASS
				Peak	5925.000	-49.48	2.00	0.00	-47.48	≤-27.00	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-62.4	2.00	0.87	-59.53	≤-41.20	PASS
				AV	5143.300	-53.99	2.00	0.87	-51.12	≤-41.20	PASS
				AV	5150.000	-54.62	2.00	0.87	-51.75	≤-41.20	PASS
				Peak	4500.000	-53.98	2.00	0.00	-51.98	≤-27.00	PASS
				Peak	5149.600	-43.4	2.00	0.00	-41.4	≤-27.00	PASS
				Peak	5150.000	-45.1	2.00	0.00	-43.1	≤-27.00	PASS
		High	5240	AV	5350.000	-58.34	2.00	1.12	-55.22	≤-41.20	PASS
				AV	5362.320	-57.73	2.00	1.12	-54.61	≤-41.20	PASS
				AV	5460.000	-59.22	2.00	1.12	-56.1	≤-41.20	PASS
				Peak	5350.000	-49.38	2.00	0.00	-47.38	≤-27.00	PASS
				Peak	5362.560	-46.87	2.00	0.00	-44.87	≤-27.00	PASS
				Peak	5460.000	-51.39	2.00	0.00	-49.39	≤-27.00	PASS
		Low	5745	Peak	5650.000	-51.107	2.00	0.00	-49.107	≤-27.00	PASS
				Peak	5700.000	-49.81	2.00	0.00	-47.81	≤10.00	PASS
				Peak	5720.000	-43.61	2.00	0.00	-41.61	≤15.60	PASS
				Peak	5725.000	-40.01	2.00	0.00	-38.01	≤27.00	PASS

		High	5825	Peak	5850.000	-44.148	2.00	0.00	-42.148	≤27.00	PASS
				Peak	5855.000	-46.73	2.00	0.00	-44.73	≤15.60	PASS
				Peak	5875.000	-48.75	2.00	0.00	-46.75	≤10.00	PASS
				Peak	5925.000	-50.47	2.00	0.00	-48.47	≤-27.00	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-62.5	2.00	1.06	-59.44	≤-41.20	PASS
				AV	5148.900	-54.18	2.00	1.06	-51.12	≤-41.20	PASS
				AV	5150.000	-54.86	2.00	1.06	-51.8	≤-41.20	PASS
				Peak	4500.000	-53.98	2.00	0.00	-51.98	≤-27.00	PASS
				Peak	5144.000	-42.51	2.00	0.00	-40.51	≤-27.00	PASS
				Peak	5150.000	-44.74	2.00	0.00	-42.74	≤-27.00	PASS
		High	5230	AV	5350.000	-57.97	2.00	1.06	-54.91	≤-41.20	PASS
				AV	5352.620	-57.39	2.00	1.06	-54.33	≤-41.20	PASS
				AV	5460.000	-59.7	2.00	1.06	-56.64	≤-41.20	PASS
				Peak	5350.000	-47.08	2.00	0.00	-45.08	≤-27.00	PASS
				Peak	5354.440	-46.67	2.00	0.00	-44.67	≤-27.00	PASS
				Peak	5460.000	-50.54	2.00	0.00	-48.54	≤-27.00	PASS
		Low	5755	Peak	5650.000	-51.057	2.00	0.00	-49.057	≤-27.00	PASS
				Peak	5700.000	-49.22	2.00	0.00	-47.22	≤10.00	PASS
				Peak	5720.000	-38.93	2.00	0.00	-36.93	≤15.60	PASS
				Peak	5725.000	-41.07	2.00	0.00	-39.07	≤27.00	PASS
		High	5795	Peak	5850.000	-42.942	2.00	0.00	-40.942	≤27.00	PASS
				Peak	5855.000	-48.51	2.00	0.00	-46.51	≤15.60	PASS
				Peak	5875.000	-48.59	2.00	0.00	-46.59	≤10.00	PASS
				Peak	5925.000	-51.28	2.00	0.00	-49.28	≤-27.00	PASS
11AC20S ISO	Ant1	Low	5180	AV	4500.000	-62.59	2.00	0.76	-59.83	≤-41.20	PASS
				AV	5142.600	-53.73	2.00	0.76	-50.97	≤-41.20	PASS
				AV	5150.000	-54.03	2.00	0.76	-51.27	≤-41.20	PASS
				Peak	4500.000	-53.69	2.00	0.00	-51.69	≤-27.00	PASS
				Peak	5149.600	-44.26	2.00	0.00	-42.26	≤-27.00	PASS
				Peak	5150.000	-45.81	2.00	0.00	-43.81	≤-27.00	PASS
		High	5240	AV	5350.000	-57.55	2.00	0.76	-54.79	≤-41.20	PASS
				AV	5350.080	-57.55	2.00	0.76	-54.79	≤-41.20	PASS
				AV	5460.000	-59.41	2.00	0.76	-56.65	≤-41.20	PASS
				Peak	5350.000	-49.2	2.00	0.00	-47.2	≤-27.00	PASS
				Peak	5359.440	-46.8	2.00	0.00	-44.8	≤-27.00	PASS
				Peak	5460.000	-51.12	2.00	0.00	-49.12	≤-27.00	PASS
		Low	5745	Peak	5650.000	-49.779	2.00	0.00	-47.779	≤-27.00	PASS
				Peak	5700.000	-50.75	2.00	0.00	-48.75	≤10.00	PASS
				Peak	5720.000	-46.31	2.00	0.00	-44.31	≤15.60	PASS
				Peak	5725.000	-42.99	2.00	0.00	-40.99	≤27.00	PASS
		High	5825	Peak	5850.000	-41.228	2.00	0.00	-39.228	≤27.00	PASS
				Peak	5855.000	-46.62	2.00	0.00	-44.62	≤15.60	PASS
				Peak	5875.000	-51.44	2.00	0.00	-49.44	≤10.00	PASS

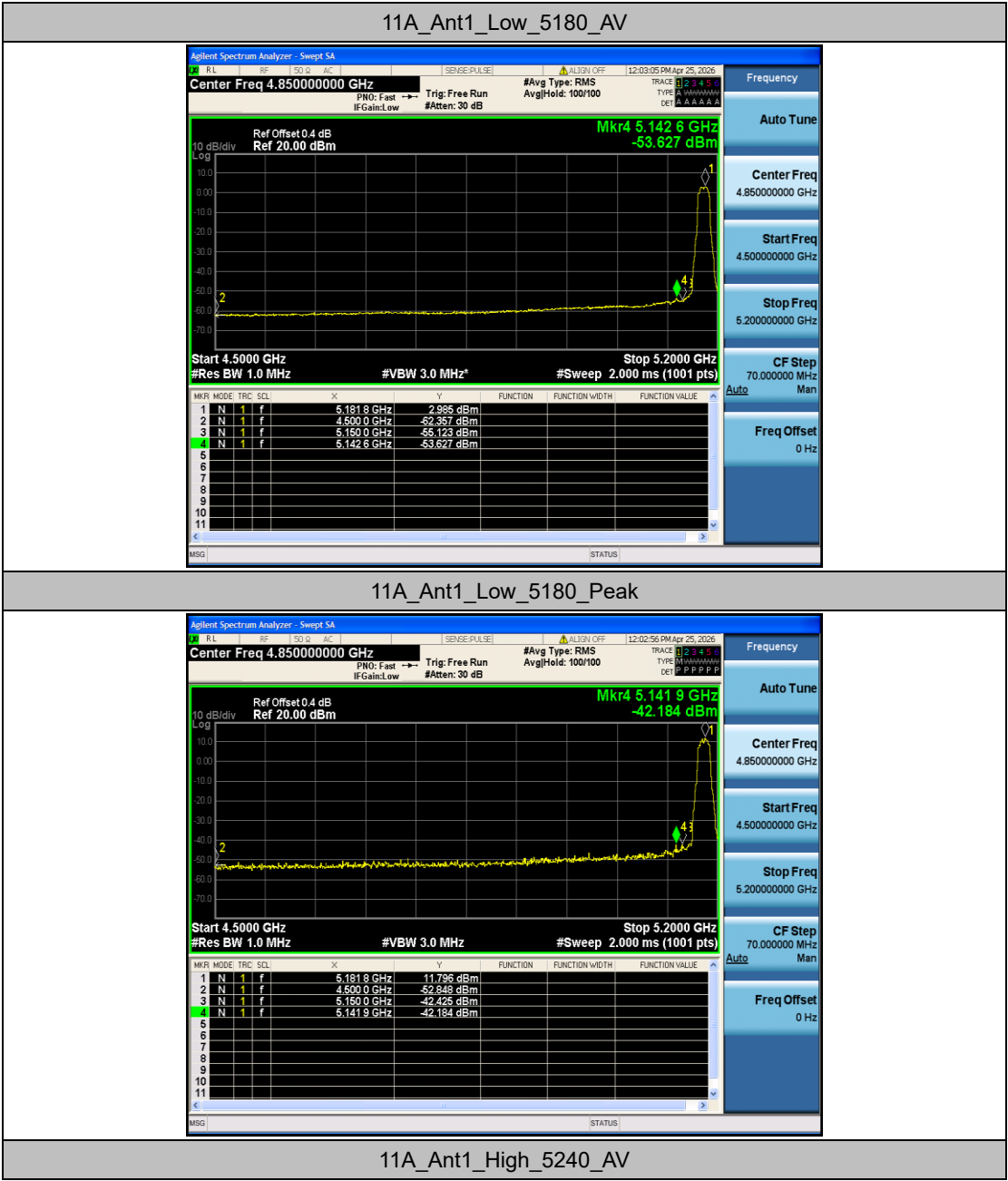
				Peak	5925.000	-49.72	2.00	0.00	-47.72	≤-27.00	PASS
11AC40S ISO	Ant1	Low	5190	AV	4500.000	-62.68	2.00	1.12	-59.56	≤-41.20	PASS
				AV	5149.600	-53.57	2.00	1.12	-50.45	≤-41.20	PASS
				AV	5150.000	-53.12	2.00	1.12	-50	≤-41.20	PASS
				Peak	4500.000	-54.81	2.00	0.00	-52.81	≤-27.00	PASS
				Peak	5146.800	-41.66	2.00	0.00	-39.66	≤-27.00	PASS
				Peak	5150.000	-42.51	2.00	0.00	-40.51	≤-27.00	PASS
		High	5230	AV	5350.000	-58.74	2.00	1.12	-55.62	≤-41.20	PASS
				AV	5360.680	-57.51	2.00	1.12	-54.39	≤-41.20	PASS
				AV	5460.000	-58.95	2.00	1.12	-55.83	≤-41.20	PASS
				Peak	5350.000	-49.8	2.00	0.00	-47.8	≤-27.00	PASS
				Peak	5390.060	-47.1	2.00	0.00	-45.1	≤-27.00	PASS
				Peak	5460.000	-50.24	2.00	0.00	-48.24	≤-27.00	PASS
		Low	5755	Peak	5650.000	-50.606	2.00	0.00	-48.606	≤-27.00	PASS
				Peak	5700.000	-47.82	2.00	0.00	-45.82	≤10.00	PASS
				Peak	5720.000	-38.88	2.00	0.00	-36.88	≤15.60	PASS
				Peak	5725.000	-40.86	2.00	0.00	-38.86	≤27.00	PASS
		High	5795	Peak	5850.000	-47.46	2.00	0.00	-45.46	≤27.00	PASS
				Peak	5855.000	-47.71	2.00	0.00	-45.71	≤15.60	PASS
				Peak	5875.000	-49.61	2.00	0.00	-47.61	≤10.00	PASS
				Peak	5925.000	-52.47	2.00	0.00	-50.47	≤-27.00	PASS
11AX20S ISO	Ant1	Low	5180	AV	4500.000	-62.24	2.00	0.79	-59.45	≤-41.20	PASS
				AV	5141.900	-54.08	2.00	0.79	-51.29	≤-41.20	PASS
				AV	5150.000	-54.55	2.00	0.79	-51.76	≤-41.20	PASS
				Peak	4500.000	-54.41	2.00	0.00	-52.41	≤-27.00	PASS
				Peak	5148.900	-44.28	2.00	0.00	-42.28	≤-27.00	PASS
				Peak	5150.000	-45.3	2.00	0.00	-43.3	≤-27.00	PASS
		High	5240	AV	5350.000	-57.93	2.00	0.76	-55.17	≤-41.20	PASS
				AV	5366.880	-57.56	2.00	0.76	-54.8	≤-41.20	PASS
				AV	5460.000	-59.01	2.00	0.76	-56.25	≤-41.20	PASS
				Peak	5350.000	-50.59	2.00	0.00	-48.59	≤-27.00	PASS
				Peak	5357.760	-46.43	2.00	0.00	-44.43	≤-27.00	PASS
				Peak	5460.000	-51.29	2.00	0.00	-49.29	≤-27.00	PASS
		Low	5745	Peak	5650.000	-50.141	2.00	0.00	-48.141	≤-27.00	PASS
				Peak	5700.000	-49.7	2.00	0.00	-47.7	≤10.00	PASS
				Peak	5720.000	-45.36	2.00	0.00	-43.36	≤15.60	PASS
				Peak	5725.000	-40.27	2.00	0.00	-38.27	≤27.00	PASS
		High	5825	Peak	5850.000	-42.061	2.00	0.00	-40.061	≤27.00	PASS
				Peak	5855.000	-48.38	2.00	0.00	-46.38	≤15.60	PASS
				Peak	5875.000	-48.93	2.00	0.00	-46.93	≤10.00	PASS
				Peak	5925.000	-49.9	2.00	0.00	-47.9	≤-27.00	PASS
11AX40S ISO	Ant1	Low	5190	AV	4500.000	-62.31	2.00	0.87	-59.44	≤-41.20	PASS
				AV	5147.500	-53.24	2.00	0.87	-50.37	≤-41.20	PASS

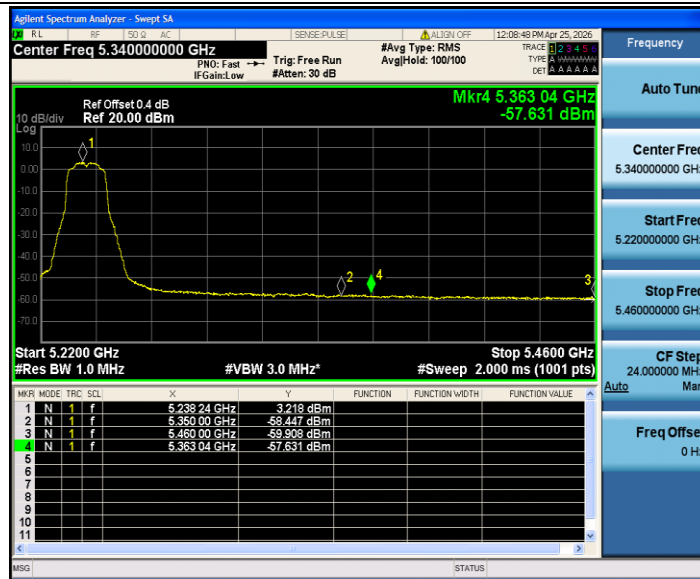
				AV	5150.000	-53.71	2.00	0.87	-50.84	≤-41.20	PASS
				Peak	4500.000	-53.36	2.00	0.00	-51.36	≤-27.00	PASS
				Peak	5148.900	-41.61	2.00	0.00	-39.61	≤-27.00	PASS
				Peak	5150.000	-44.09	2.00	0.00	-42.09	≤-27.00	PASS
		High	5230	AV	5350.000	-57.94	2.00	1.12	-54.82	≤-41.20	PASS
				AV	5357.300	-57.37	2.00	1.12	-54.25	≤-41.20	PASS
				AV	5460.000	-59.14	2.00	1.12	-56.02	≤-41.20	PASS
				Peak	5350.000	-47.99	2.00	0.00	-45.99	≤-27.00	PASS
				Peak	5365.620	-46.58	2.00	0.00	-44.58	≤-27.00	PASS
				Peak	5460.000	-50.19	2.00	0.00	-48.19	≤-27.00	PASS
		Low	5755	Peak	5650.000	-51.324	2.00	0.00	-49.324	≤-27.00	PASS
				Peak	5700.000	-48	2.00	0.00	-46	≤10.00	PASS
				Peak	5720.000	-41	2.00	0.00	-39	≤15.60	PASS
				Peak	5725.000	-41.86	2.00	0.00	-39.86	≤27.00	PASS
		High	5795	Peak	5850.000	-45.052	2.00	0.00	-43.052	≤27.00	PASS
				Peak	5855.000	-46.81	2.00	0.00	-44.81	≤15.60	PASS
				Peak	5875.000	-49.31	2.00	0.00	-47.31	≤10.00	PASS
				Peak	5925.000	-48.41	2.00	0.00	-46.41	≤-27.00	PASS

Note:

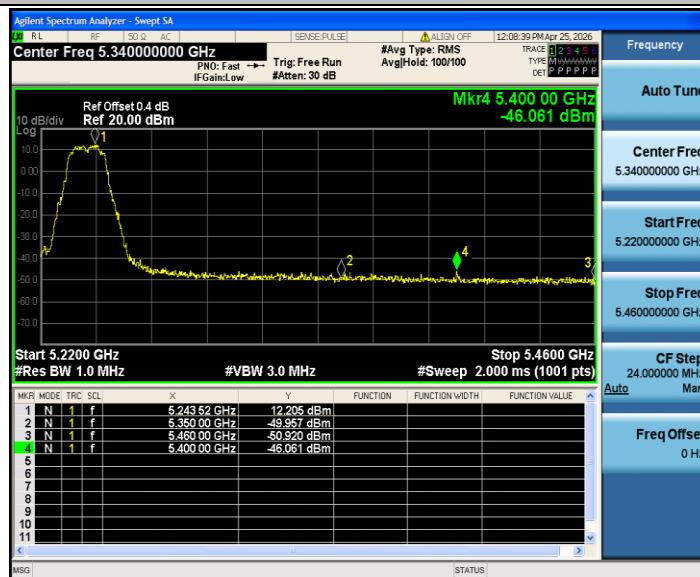
1. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

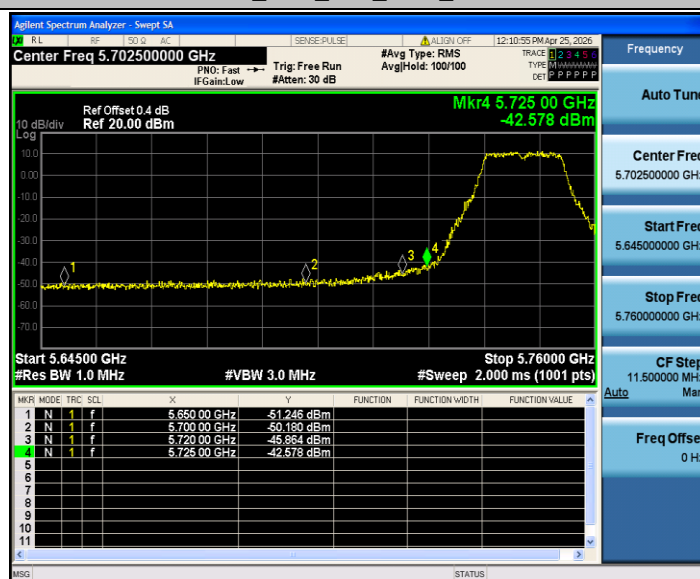




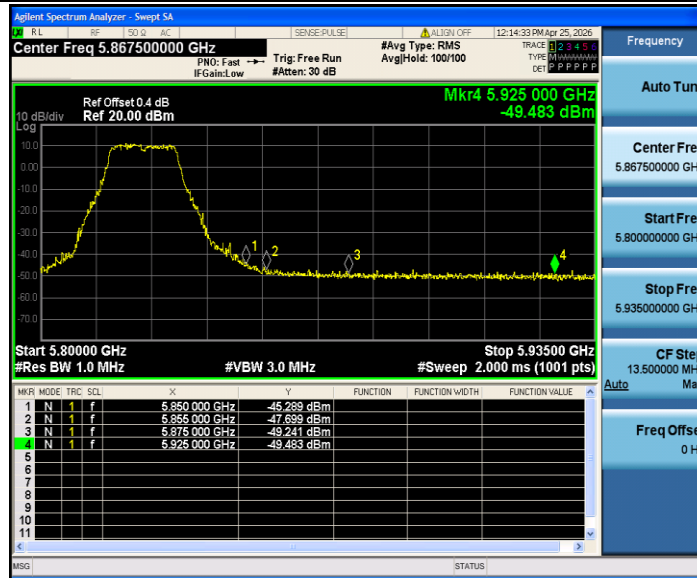
11A_Ant1_High_5240_Peak



11A_Ant1_Low_5745_Peak



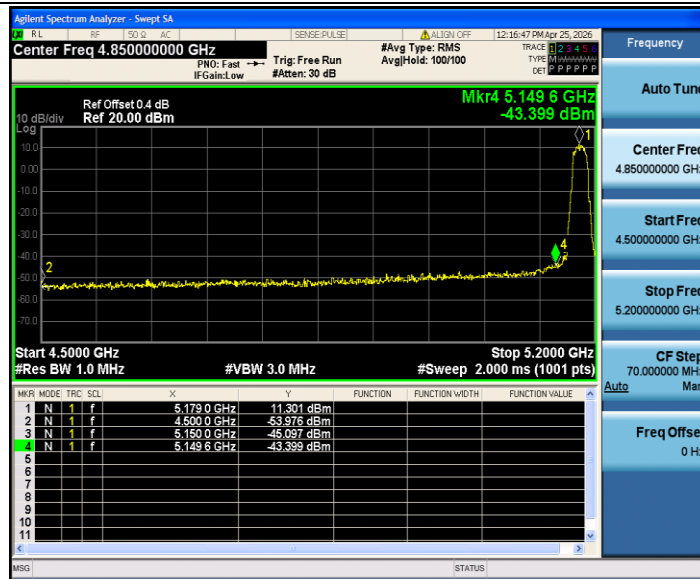
11A_Ant1_High_5825_Peak



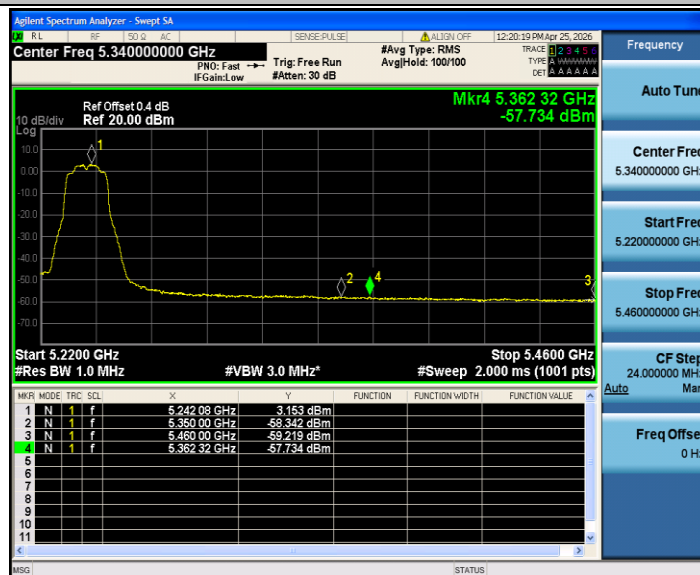
11N20SISO_Ant1_Low_5180_AV



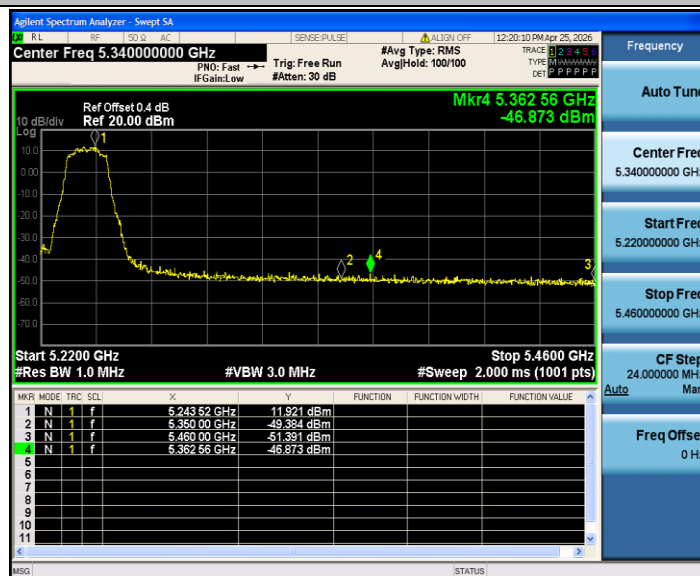
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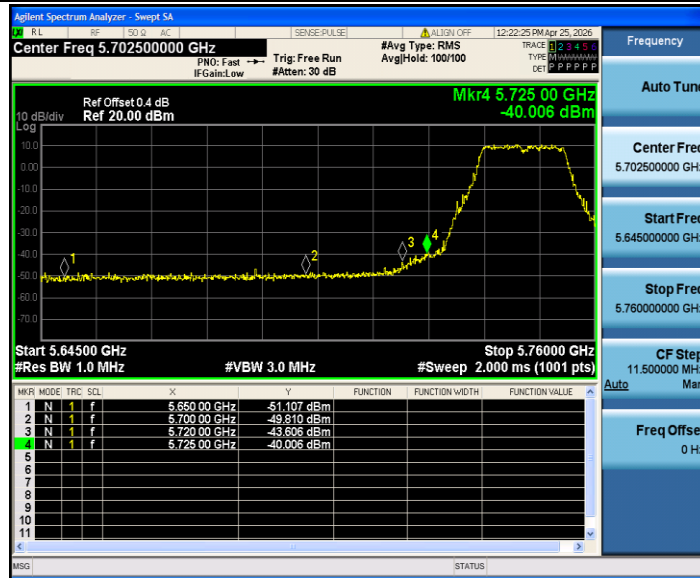
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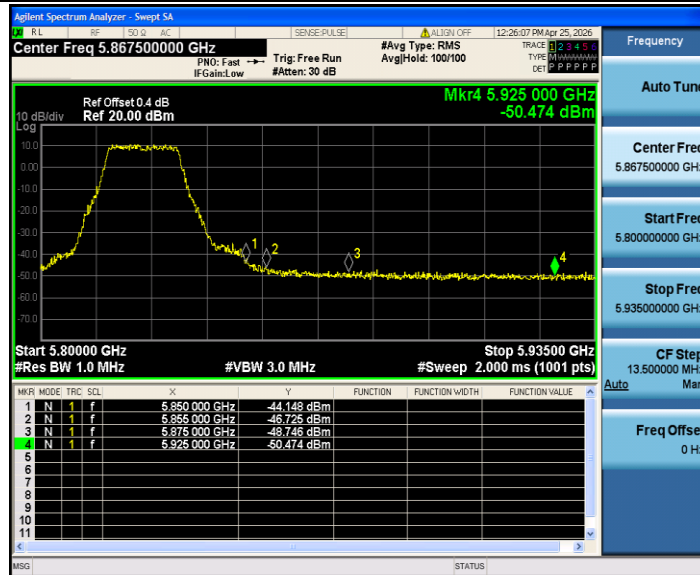
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11N20SISO_Ant1_Low_5745_Peak



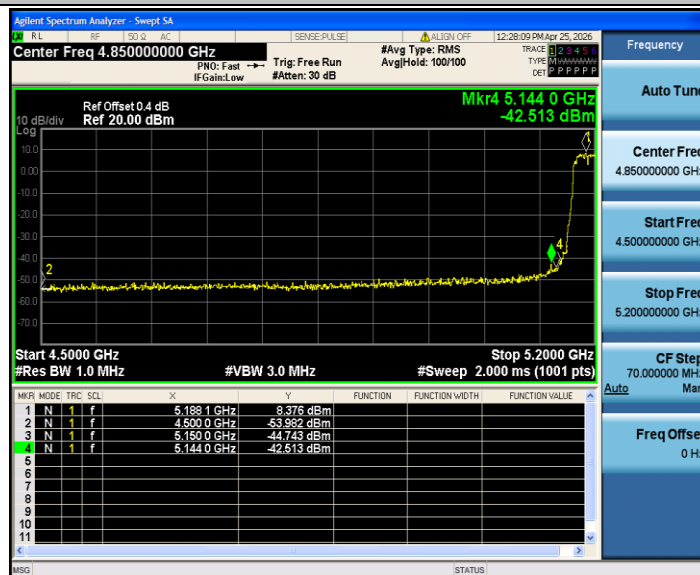
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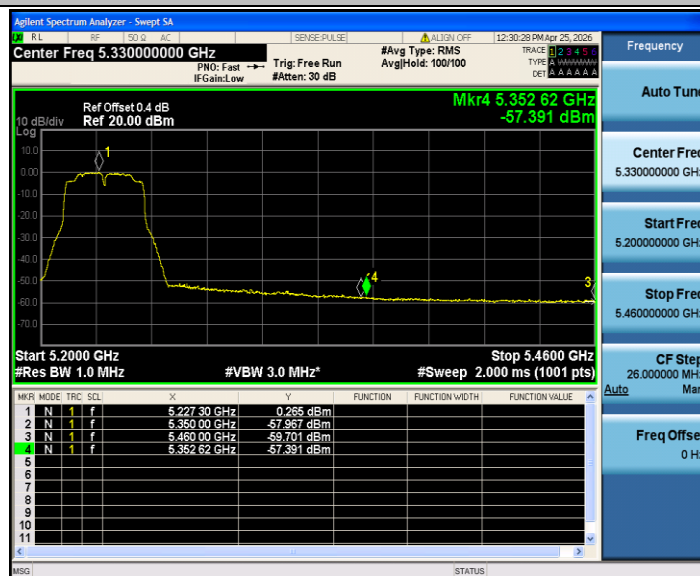
11N40SISO_Ant1_Low_5190_AV



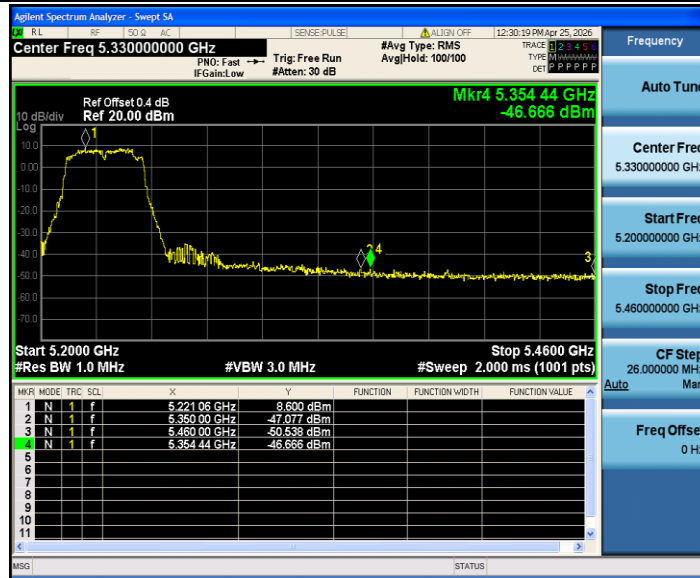
11N40SISO_Ant1_Low_5190_Peak



11N40SISO_Ant1_High_5230_AV



11N40SISO_Ant1_High_5230_Peak



11N40SISO_Ant1_Low_5755_Peak



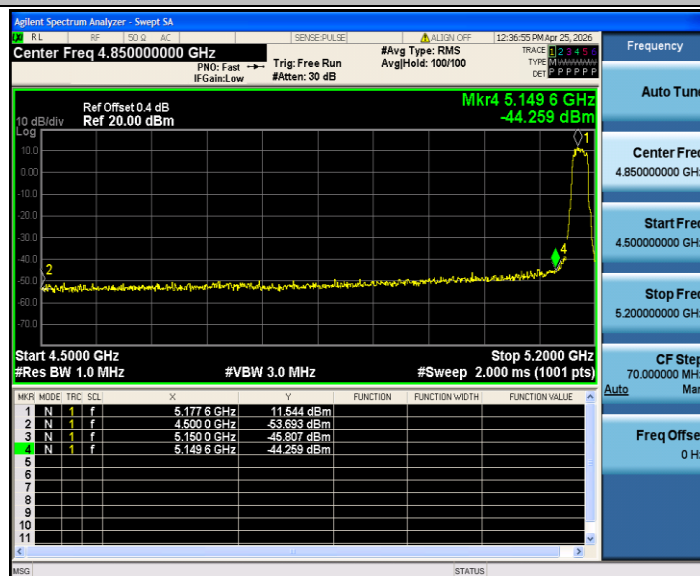
11N40SISO_Ant1_High_5795_Peak



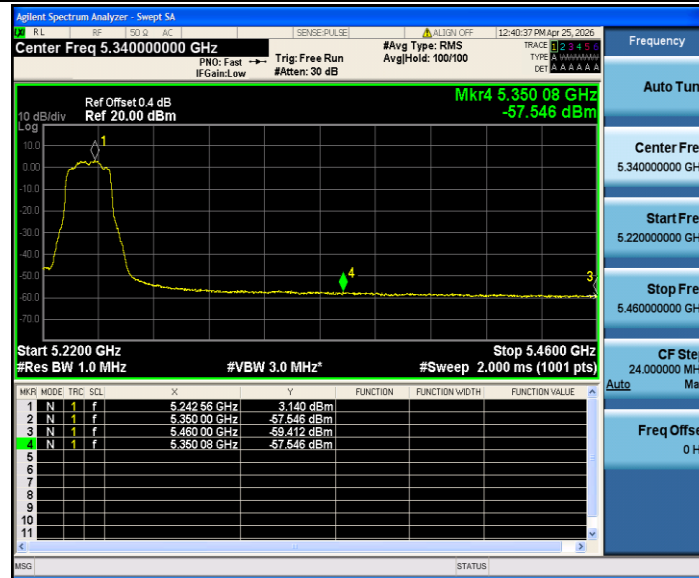
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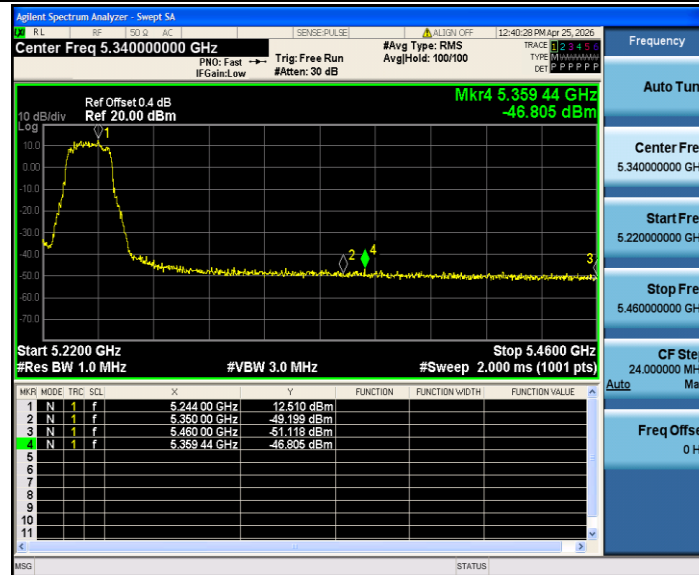
11AC20SISO_Ant1_Low_5180_Peak



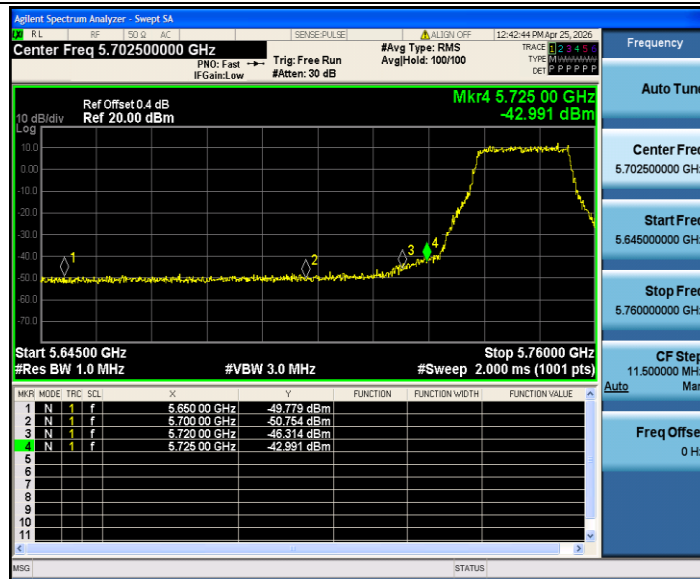
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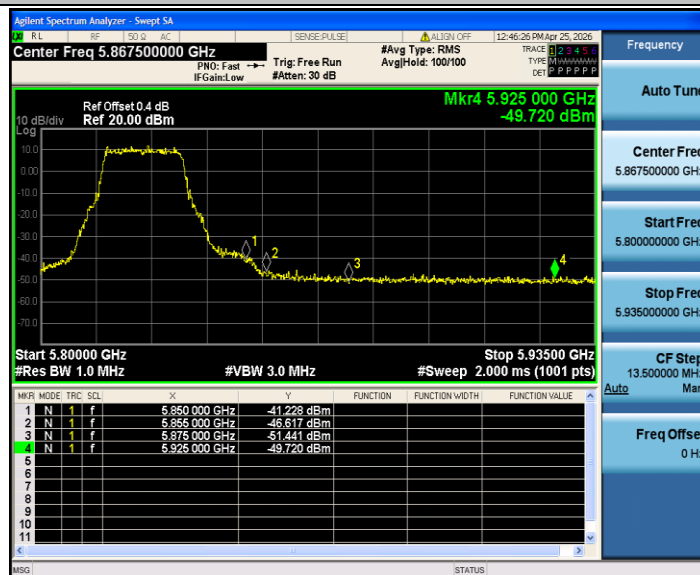
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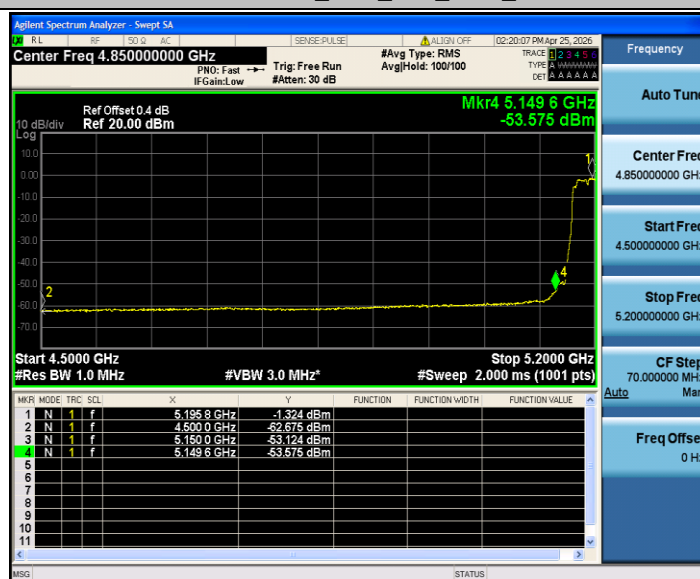
11AC20SISO_Ant1_Low_5745_Peak



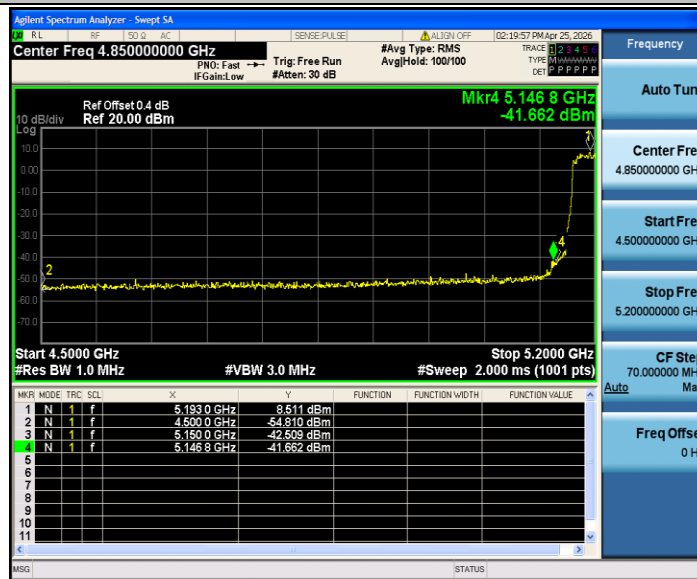
11AC20SISO_Ant1_High_5825_Peak



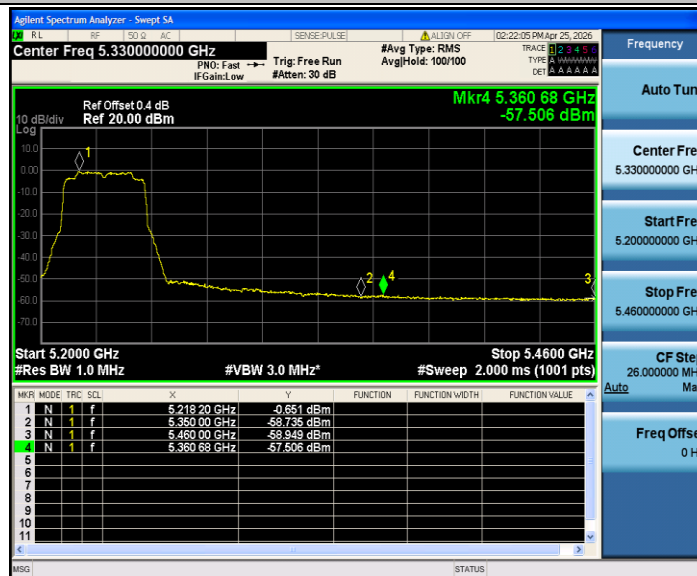
11AC40SISO_Ant1_Low_5190_AV



11AC40SISO_Ant1_Low_5190_Peak



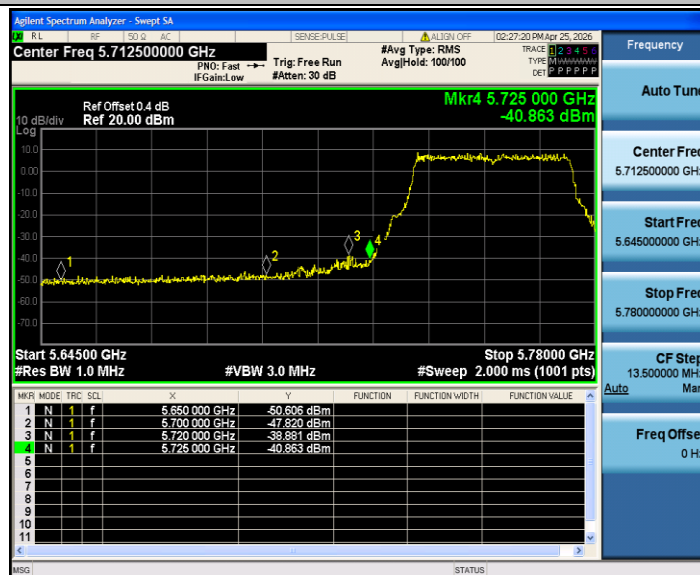
11AC40SISO_Ant1_High_5230_AV



11AC40SISO_Ant1_High_5230_Peak



11AC40SISO_Ant1_Low_5755_Peak



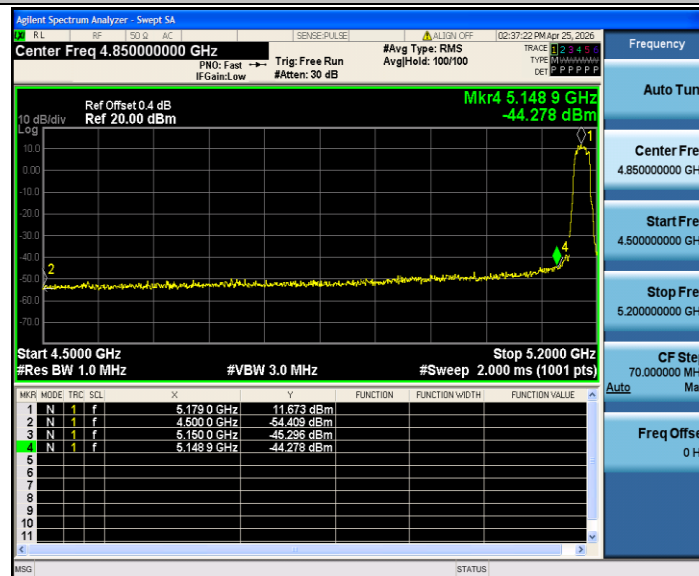
11AC40SISO_Ant1_High_5795_Peak



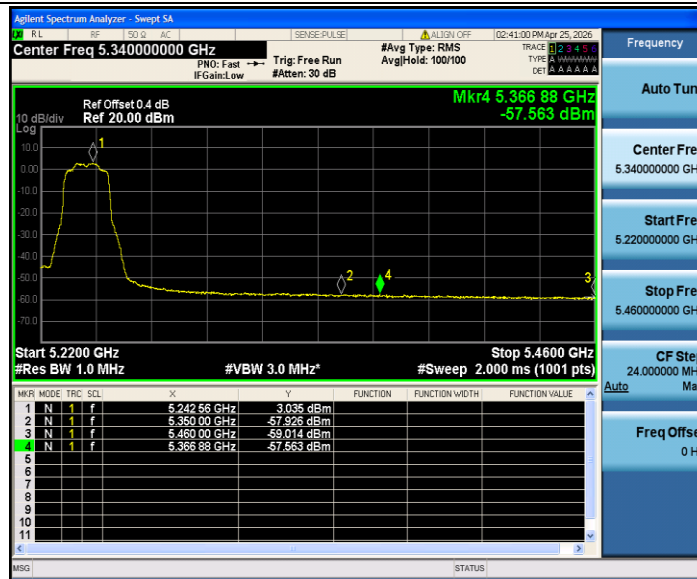
11AX20SISO_Ant1_Low_5180_AV



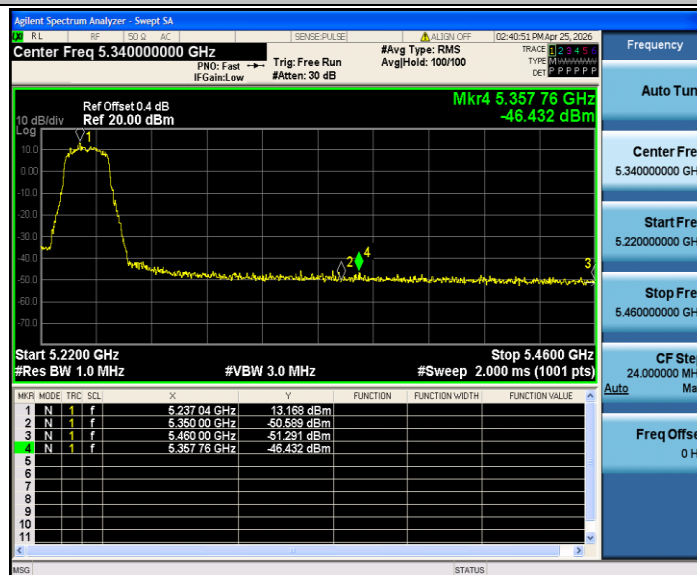
11AX20SISO_Ant1_Low_5180_Peak



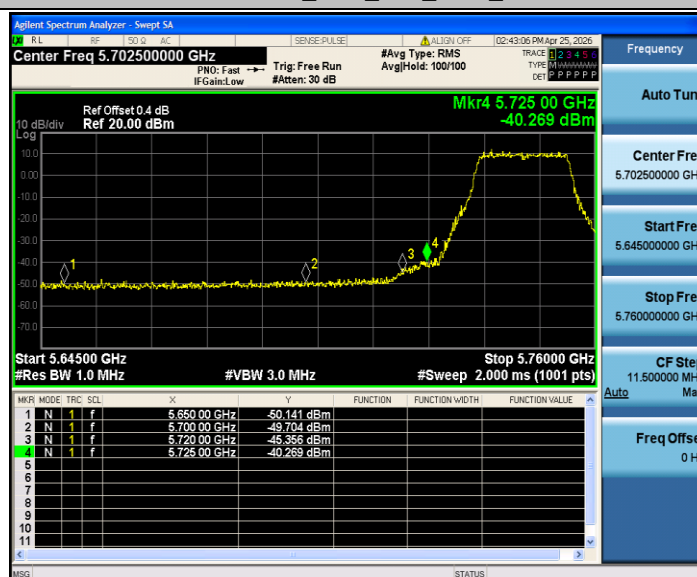
11AX20SISO_Ant1_High_5240_AV



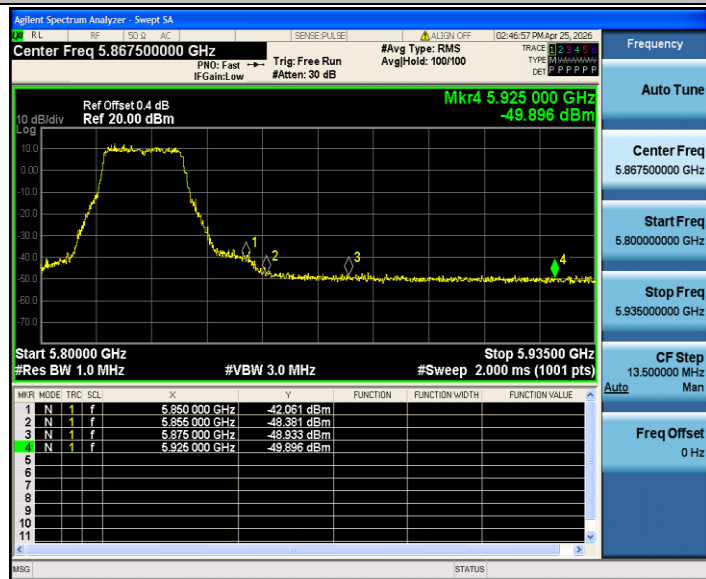
11AX20SISO_Ant1_High_5240_Peak



11AX20SISO_Ant1_Low_5745_Peak



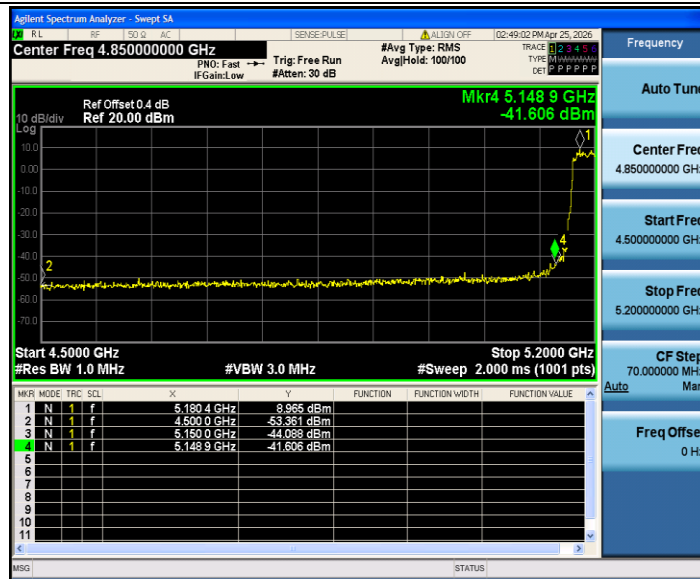
11AX20SISO_Ant1_High_5825_Peak



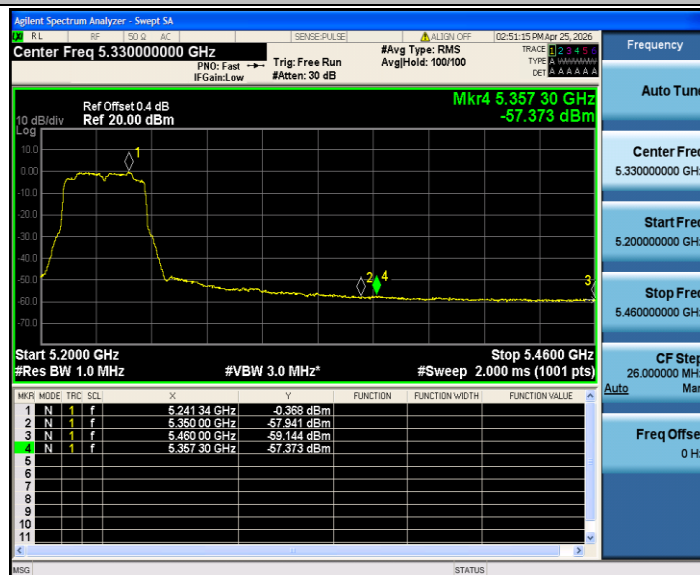
11AX40SISO_Ant1_Low_5190_AV



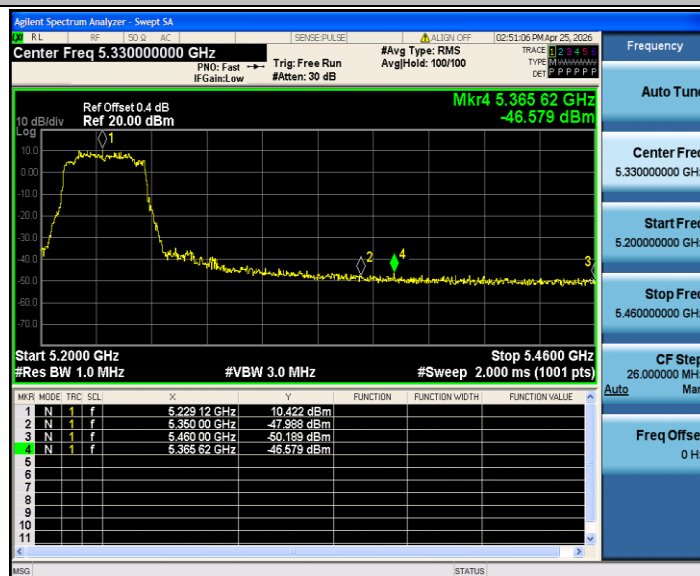
11AX40SISO_Ant1_Low_5190_Peak



11AX40SISO_Ant1_High_5230_AV



11AX40SISO_Ant1_High_5230_Peak



11AX40SISO_Ant1_Low_5755_Peak



11AX40SISO_Ant1_High_5795_Peak



FCC Appendix RF Test Data for 5GWiFi Antenna 2

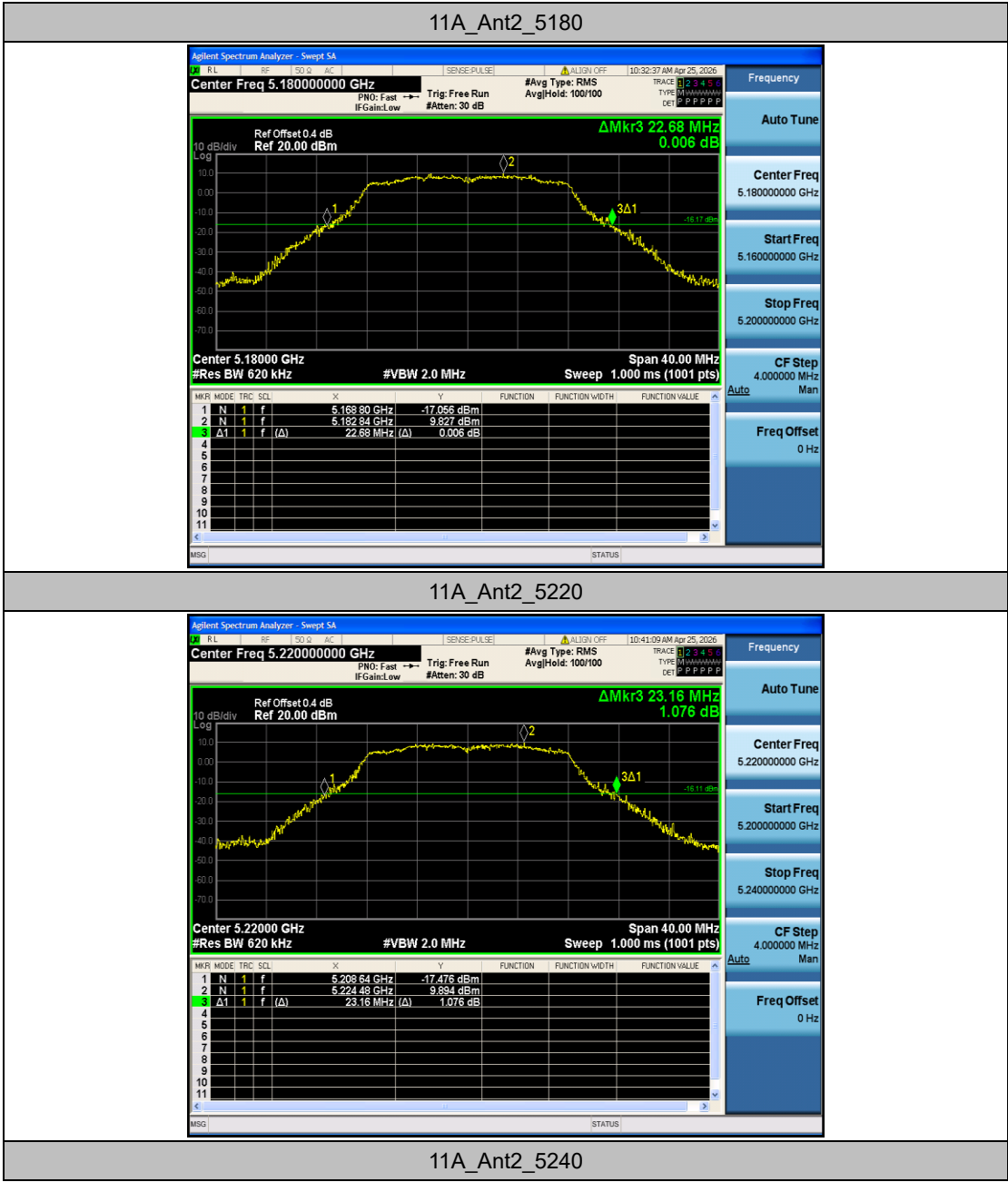
Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	22.680	5168.800	5191.480	---	---
		5220	23.160	5208.640	5231.800	---	---
		5240	23.360	5228.280	5251.640	---	---
		5745	24.040	5733.000	5757.040	---	---
		5785	24.480	5772.480	5796.960	---	---
		5825	23.640	5812.960	5836.600	---	---
11N20SISO	Ant2	5180	24.080	5167.800	5191.880	---	---
		5220	23.440	5208.560	5232.000	---	---
		5240	23.960	5228.360	5252.320	---	---
		5745	26.040	5732.200	5758.240	---	---
		5785	24.280	5773.360	5797.640	---	---
		5825	25.000	5812.320	5837.320	---	---
11N40SISO	Ant2	5190	43.600	5168.240	5211.840	---	---
		5230	42.880	5208.800	5251.680	---	---
		5755	44.320	5733.320	5777.640	---	---
		5795	45.440	5772.600	5818.040	---	---
11AC20SISO	Ant2	5180	22.200	5168.880	5191.080	---	---
		5220	22.320	5209.000	5231.320	---	---
		5240	23.520	5228.480	5252.000	---	---
		5745	23.840	5733.120	5756.960	---	---
		5785	23.400	5773.160	5796.560	---	---
		5825	23.560	5813.200	5836.760	---	---
11AC40SISO	Ant2	5190	42.400	5168.880	5211.280	---	---
		5230	43.120	5208.400	5251.520	---	---
		5755	44.640	5733.000	5777.640	---	---
		5795	44.160	5773.480	5817.640	---	---
11AX20SISO	Ant2	5180	22.160	5169.120	5191.280	---	---
		5220	22.960	5208.600	5231.560	---	---
		5240	22.720	5229.040	5251.760	---	---
		5745	23.720	5733.040	5756.760	---	---
		5785	24.720	5772.480	5797.200	---	---
		5825	23.120	5813.160	5836.280	---	---
11AX40SISO	Ant2	5190	43.440	5168.800	5212.240	---	---
		5230	41.840	5209.360	5251.200	---	---
		5755	45.360	5732.520	5777.880	---	---

		5795	45.600	5772.120	5817.720	---	---
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Test Graphs





11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5180



11N20SISO_Ant2_5220



11N20SISO_Ant2_5240



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5190