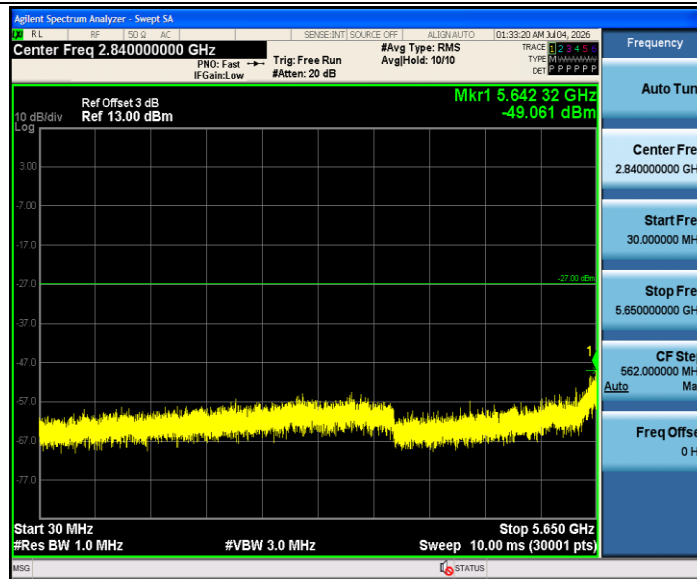
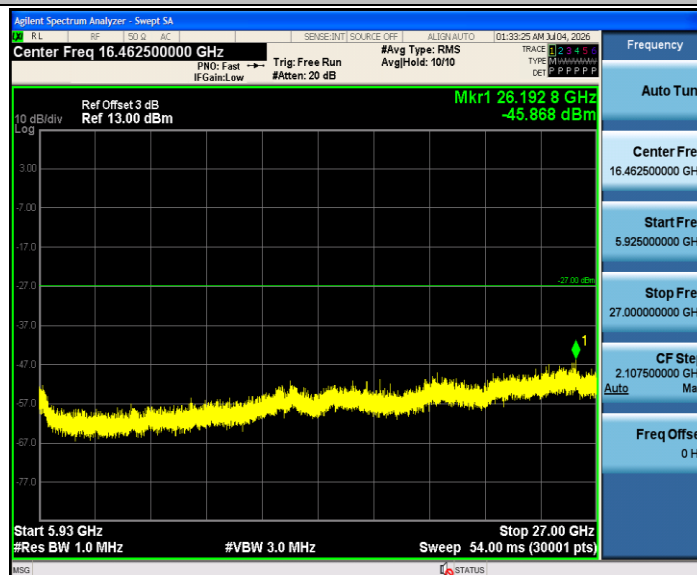
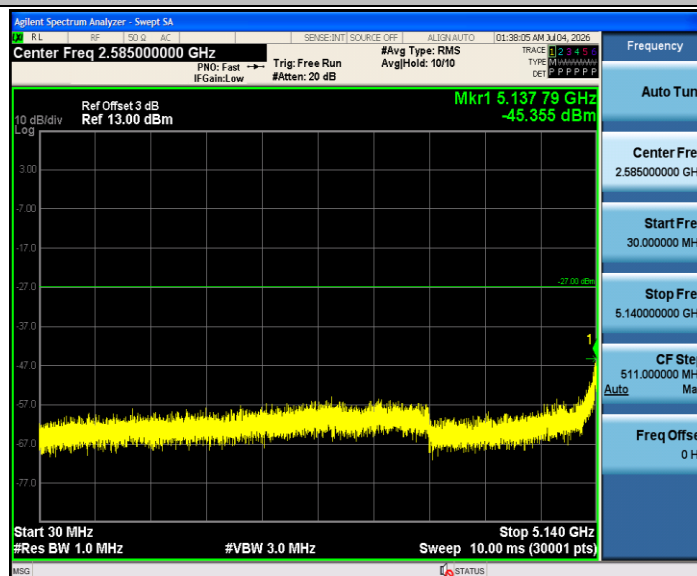




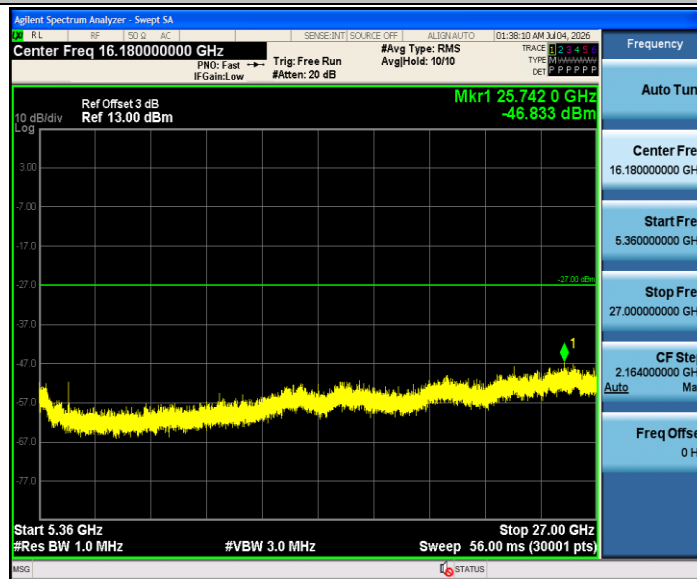
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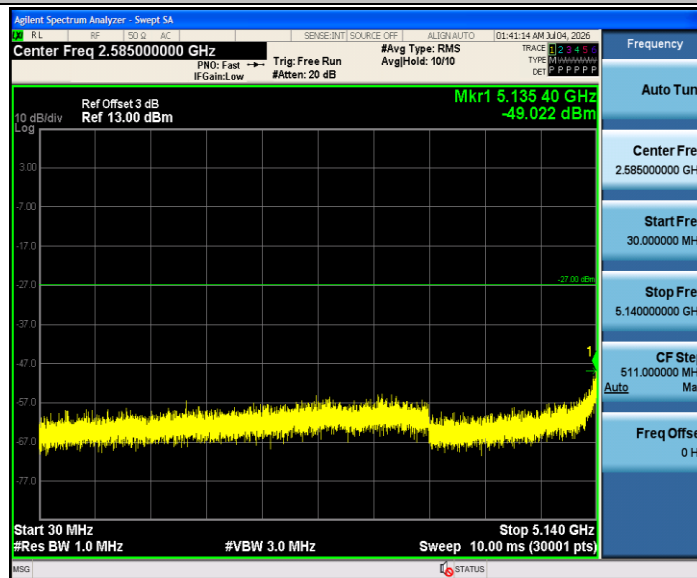
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11AC40SISO_Ant1_5190_5360~40000



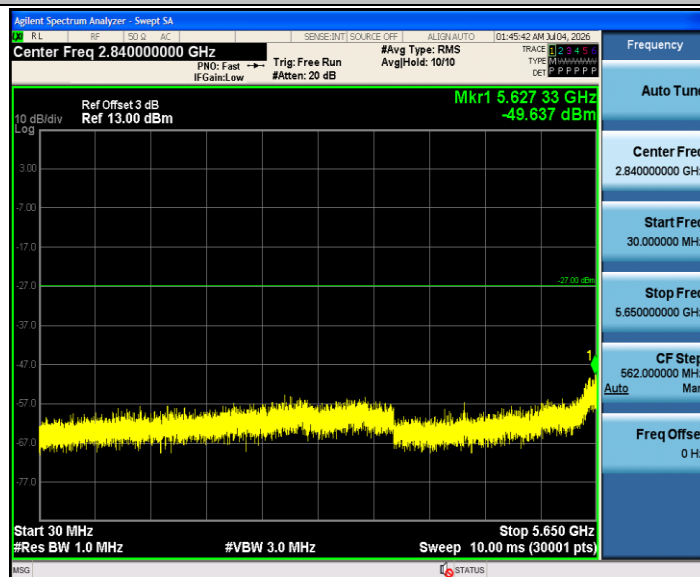
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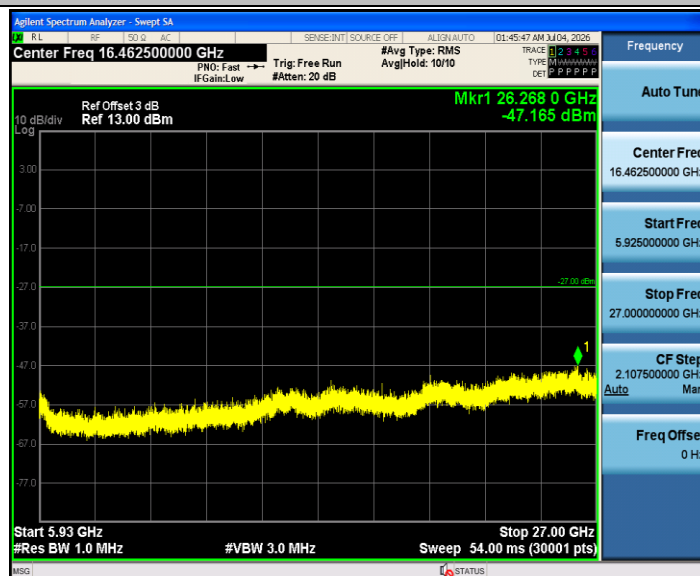
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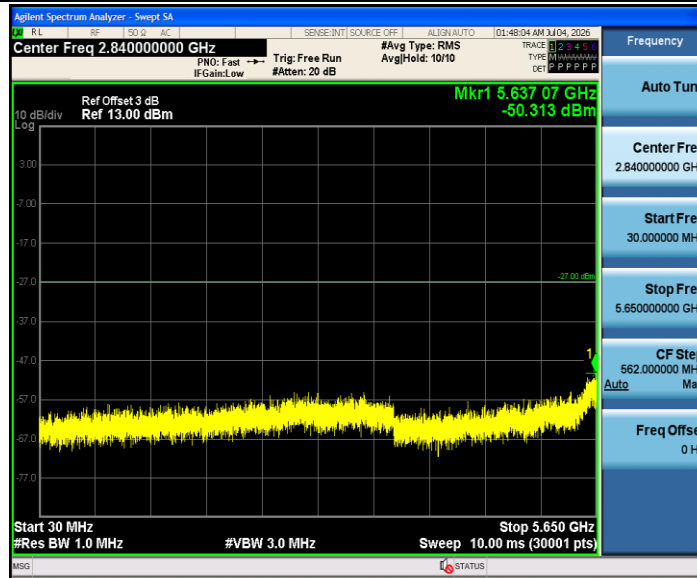
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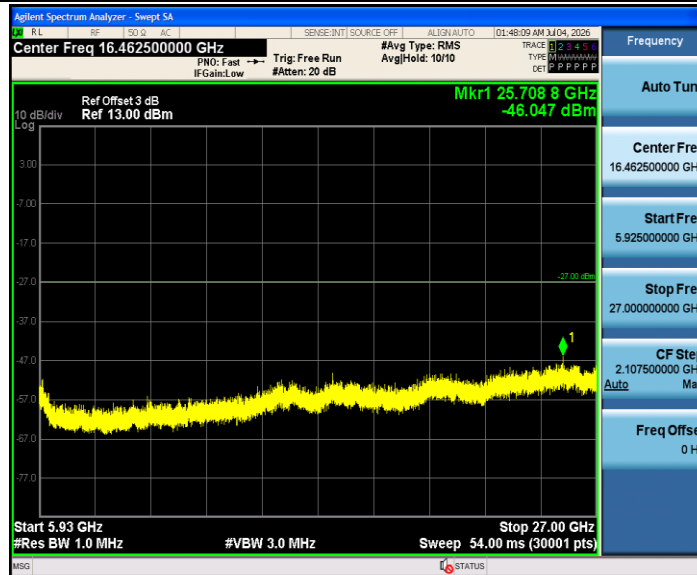
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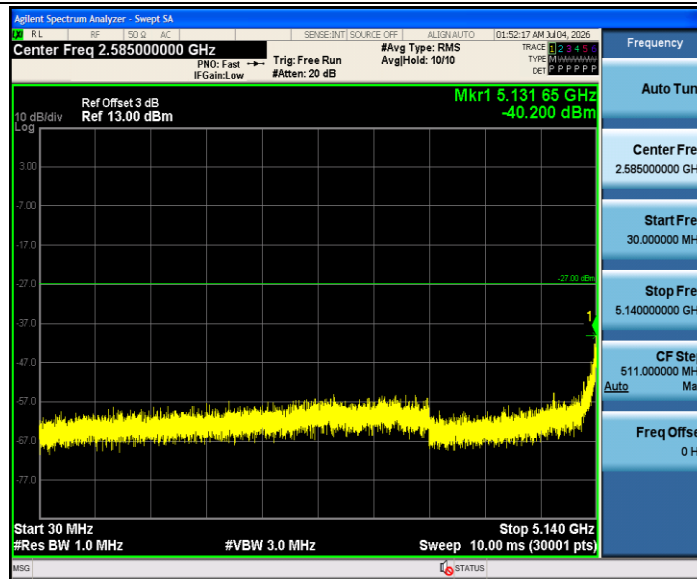
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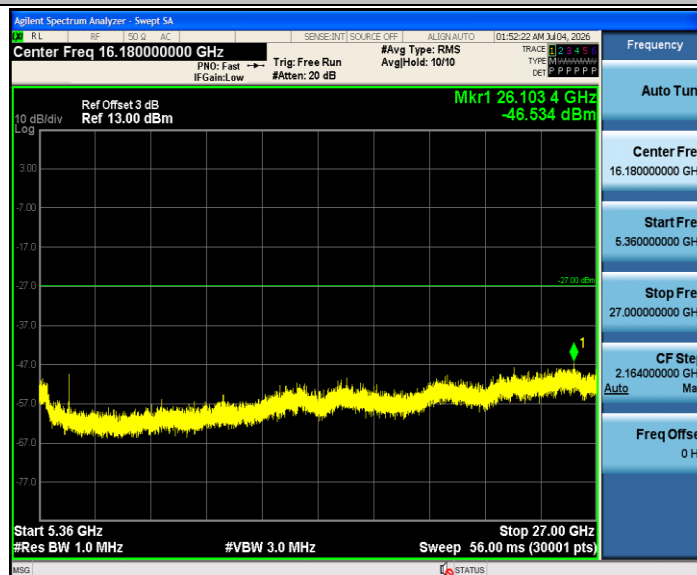
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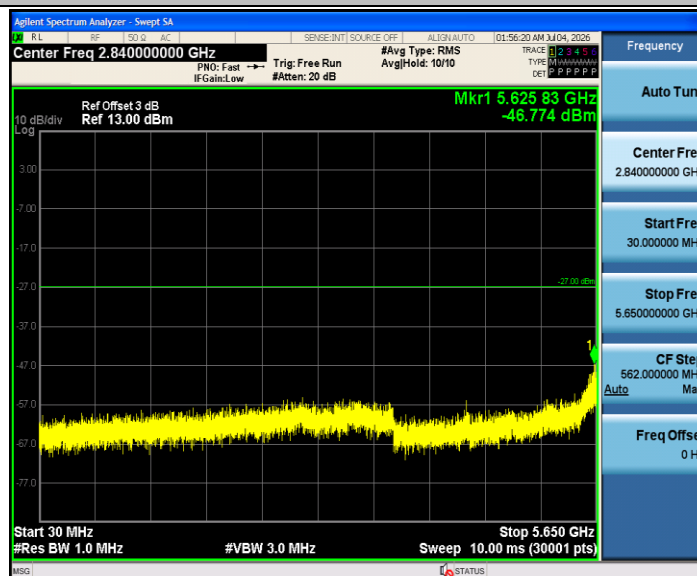
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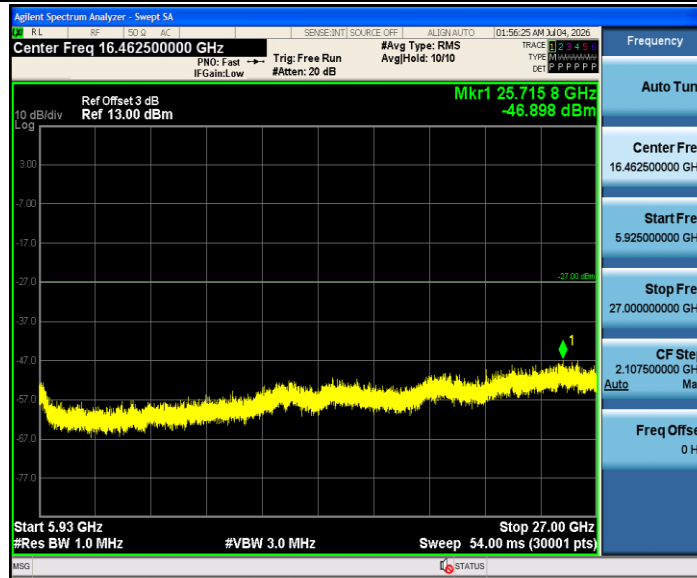
11AC80SISO_Ant1_5210_5360~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000



Appendix H: 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	-62.12	2.00	1.03	-59.09	≤-41.20	PASS
				AV	5148.900	-57.64	2.00	1.03	-54.61	≤-41.20	PASS
				AV	5150.000	-57.43	2.00	1.03	-54.4	≤-41.20	PASS
				Peak	4500.000	-51.94	2.00	0.00	-49.94	≤-27.00	PASS
				Peak	5143.300	-47	2.00	0.00	-45	≤-27.00	PASS
				Peak	5150.000	-47.77	2.00	0.00	-45.77	≤-27.00	PASS
		High	5240	AV	5350.000	-60.41	2.00	1.25	-57.16	≤-41.20	PASS
				AV	5354.400	-59.82	2.00	1.25	-56.57	≤-41.20	PASS
				AV	5460.000	-61.37	2.00	1.25	-58.12	≤-41.20	PASS
				Peak	5350.000	-51.58	2.00	0.00	-49.58	≤-27.00	PASS
				Peak	5373.600	-48.51	2.00	0.00	-46.51	≤-27.00	PASS
				Peak	5460.000	-52.2	2.00	0.00	-50.2	≤-27.00	PASS
		Low	5745	Peak	5650.000	-49.98	2.00	0.00	-47.98	≤-27.00	PASS
				Peak	5700.000	-49.43	2.00	0.00	-47.43	≤10.00	PASS
				Peak	5720.000	-49.13	2.00	0.00	-47.13	≤15.60	PASS
				Peak	5725.000	-43.79	2.00	0.00	-41.79	≤27.00	PASS
		High	5825	Peak	5850.000	-47.373	2.00	0.00	-45.373	≤27.00	PASS
				Peak	5855.000	-48.16	2.00	0.00	-46.16	≤15.60	PASS
				Peak	5875.000	-51.74	2.00	0.00	-49.74	≤10.00	PASS
				Peak	5925.000	-50.75	2.00	0.00	-48.75	≤-27.00	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-62.68	2.00	0.87	-59.81	≤-41.20	PASS
				AV	5143.300	-56.97	2.00	0.87	-54.1	≤-41.20	PASS
				AV	5150.000	-56.78	2.00	0.87	-53.91	≤-41.20	PASS
				Peak	4500.000	-54.17	2.00	0.00	-52.17	≤-27.00	PASS
				Peak	5095.000	-47.15	2.00	0.00	-45.15	≤-27.00	PASS
				Peak	5150.000	-47.98	2.00	0.00	-45.98	≤-27.00	PASS
		High	5240	AV	5350.000	-60.6	2.00	1.06	-57.54	≤-41.20	PASS
				AV	5362.320	-59.91	2.00	1.06	-56.85	≤-41.20	PASS
				AV	5460.000	-61.05	2.00	1.06	-57.99	≤-41.20	PASS
				Peak	5350.000	-51.76	2.00	0.00	-49.76	≤-27.00	PASS
				Peak	5370.240	-49.16	2.00	0.00	-47.16	≤-27.00	PASS
				Peak	5460.000	-51.87	2.00	0.00	-49.87	≤-27.00	PASS
		Low	5745	Peak	5650.000	-50.53	2.00	0.00	-48.53	≤-27.00	PASS
				Peak	5700.000	-49.53	2.00	0.00	-47.53	≤10.00	PASS
				Peak	5720.000	-49.24	2.00	0.00	-47.24	≤15.60	PASS
				Peak	5725.000	-45.83	2.00	0.00	-43.83	≤27.00	PASS

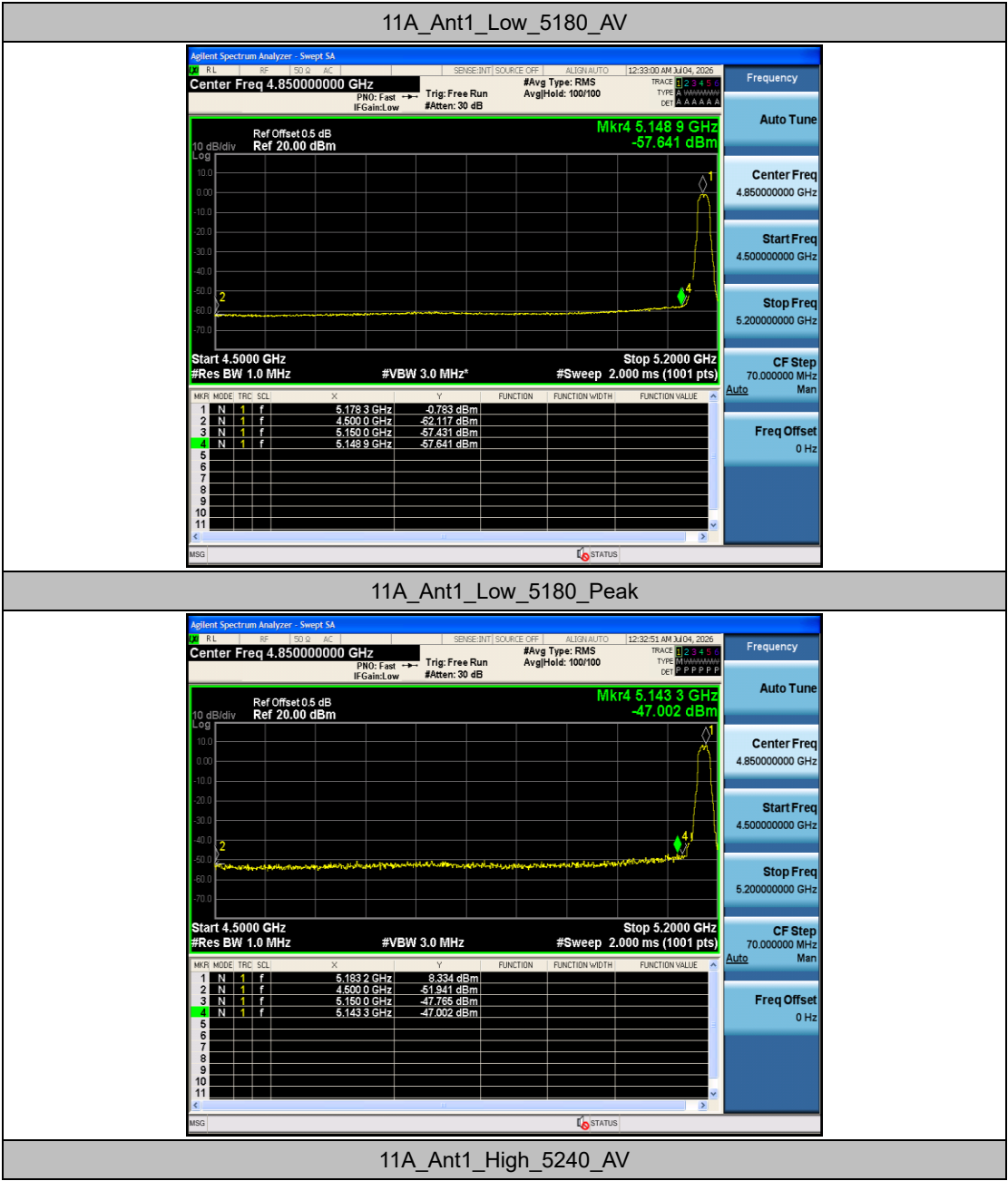
		High	5825	Peak	5850.000	-43.602	2.00	0.00	-41.602	≤27.00	PASS
				Peak	5855.000	-49.74	2.00	0.00	-47.74	≤15.60	PASS
				Peak	5875.000	-51.83	2.00	0.00	-49.83	≤10.00	PASS
				Peak	5925.000	-52.63	2.00	0.00	-50.63	≤-27.00	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-62.42	2.00	1.06	-59.36	≤-41.20	PASS
				AV	5148.900	-54.1	2.00	1.06	-51.04	≤-41.20	PASS
				AV	5150.000	-53.45	2.00	1.06	-50.39	≤-41.20	PASS
				Peak	4500.000	-53.9	2.00	0.00	-51.9	≤-27.00	PASS
				Peak	5143.300	-43.8	2.00	0.00	-41.8	≤-27.00	PASS
				Peak	5150.000	-44.79	2.00	0.00	-42.79	≤-27.00	PASS
		High	5230	AV	5350.000	-60.52	2.00	1.06	-57.46	≤-41.20	PASS
				AV	5362.760	-59.85	2.00	1.06	-56.79	≤-41.20	PASS
				AV	5460.000	-60.87	2.00	1.06	-57.81	≤-41.20	PASS
				Peak	5350.000	-51.49	2.00	0.00	-49.49	≤-27.00	PASS
				Peak	5438.680	-49.16	2.00	0.00	-47.16	≤-27.00	PASS
				Peak	5460.000	-51.44	2.00	0.00	-49.44	≤-27.00	PASS
		Low	5755	Peak	5650.000	-51.454	2.00	0.00	-49.454	≤-27.00	PASS
				Peak	5700.000	-47.67	2.00	0.00	-45.67	≤10.00	PASS
				Peak	5720.000	-41.03	2.00	0.00	-39.03	≤15.60	PASS
				Peak	5725.000	-39.81	2.00	0.00	-37.81	≤27.00	PASS
		High	5795	Peak	5850.000	-50.034	2.00	0.00	-48.034	≤27.00	PASS
				Peak	5855.000	-50.83	2.00	0.00	-48.83	≤15.60	PASS
				Peak	5875.000	-51.24	2.00	0.00	-49.24	≤10.00	PASS
				Peak	5925.000	-50.4	2.00	0.00	-48.4	≤-27.00	PASS
11AC20S ISO	Ant1	Low	5180	AV	4500.000	-62.35	2.00	0.62	-59.73	≤-41.20	PASS
				AV	5148.900	-56.59	2.00	0.62	-53.97	≤-41.20	PASS
				AV	5150.000	-56.6	2.00	0.62	-53.98	≤-41.20	PASS
				Peak	4500.000	-55.17	2.00	0.00	-53.17	≤-27.00	PASS
				Peak	5132.800	-46.76	2.00	0.00	-44.76	≤-27.00	PASS
				Peak	5150.000	-48.59	2.00	0.00	-46.59	≤-27.00	PASS
		High	5240	AV	5350.000	-60.08	2.00	0.76	-57.32	≤-41.20	PASS
				AV	5362.320	-59.75	2.00	0.76	-56.99	≤-41.20	PASS
				AV	5460.000	-60.85	2.00	0.76	-58.09	≤-41.20	PASS
				Peak	5350.000	-51.62	2.00	0.00	-49.62	≤-27.00	PASS
				Peak	5418.240	-48.79	2.00	0.00	-46.79	≤-27.00	PASS
				Peak	5460.000	-52.79	2.00	0.00	-50.79	≤-27.00	PASS
		Low	5745	Peak	5650.000	-50.734	2.00	0.00	-48.734	≤-27.00	PASS
				Peak	5700.000	-49.82	2.00	0.00	-47.82	≤10.00	PASS
				Peak	5720.000	-48.13	2.00	0.00	-46.13	≤15.60	PASS
				Peak	5725.000	-44.31	2.00	0.00	-42.31	≤27.00	PASS
		High	5825	Peak	5850.000	-42.69	2.00	0.00	-40.69	≤27.00	PASS
				Peak	5855.000	-49.31	2.00	0.00	-47.31	≤15.60	PASS
				Peak	5875.000	-50.16	2.00	0.00	-48.16	≤10.00	PASS

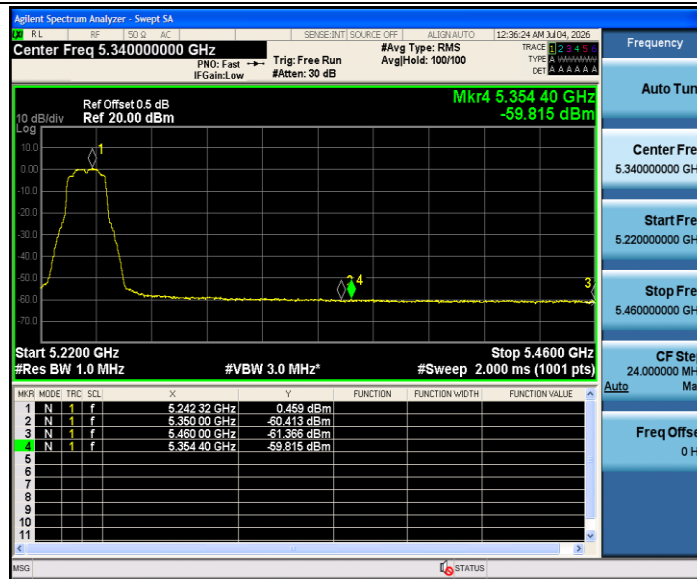
				Peak	5925.000	-52.38	2.00	0.00	-50.38	≤-27.00	PASS
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				AV	5149.600	-51.9	2.00	1.06	-48.84	≤-41.20	PASS
				AV	5150.000	-51.94	2.00	1.06	-48.88	≤-41.20	PASS
				Peak	4500.000	-54.27	2.00	0.00	-52.27	≤-27.00	PASS
				Peak	5146.100	-41.96	2.00	0.00	-39.96	≤-27.00	PASS
				Peak	5150.000	-42.47	2.00	0.00	-40.47	≤-27.00	PASS
		High	5230	AV	5350.000	-60.03	2.00	1.12	-56.91	≤-41.20	PASS
				AV	5358.860	-59.79	2.00	1.12	-56.67	≤-41.20	PASS
				AV	5460.000	-60.21	2.00	1.12	-57.09	≤-41.20	PASS
				Peak	5350.000	-52.67	2.00	0.00	-50.67	≤-27.00	PASS
				Peak	5390.580	-48.76	2.00	0.00	-46.76	≤-27.00	PASS
				Peak	5460.000	-52.85	2.00	0.00	-50.85	≤-27.00	PASS
		Low	5755	Peak	5650.000	-50.786	2.00	0.00	-48.786	≤-27.00	PASS
				Peak	5700.000	-47.12	2.00	0.00	-45.12	≤10.00	PASS
				Peak	5720.000	-41.68	2.00	0.00	-39.68	≤15.60	PASS
				Peak	5725.000	-40.75	2.00	0.00	-38.75	≤27.00	PASS
		High	5795	Peak	5850.000	-50.01	2.00	0.00	-48.01	≤27.00	PASS
				Peak	5855.000	-50.22	2.00	0.00	-48.22	≤15.60	PASS
				Peak	5875.000	-51.87	2.00	0.00	-49.87	≤10.00	PASS
				Peak	5925.000	-52.42	2.00	0.00	-50.42	≤-27.00	PASS
11AC80S ISO	Ant1	Low	5210	AV	4500.000	-62.16	2.00	1.18	-58.98	≤-41.20	PASS
				AV	5147.250	-50.24	2.00	1.18	-47.06	≤-41.20	PASS
				AV	5150.000	-50.87	2.00	1.18	-47.69	≤-41.20	PASS
				Peak	4500.000	-52.44	2.00	0.00	-50.44	≤-27.00	PASS
				Peak	5145.000	-39.46	2.00	0.00	-37.46	≤-27.00	PASS
				Peak	5150.000	-40.89	2.00	0.00	-38.89	≤-27.00	PASS
		High	5210	AV	5350.000	-59.98	2.00	1.18	-56.8	≤-41.20	PASS
				AV	5358.360	-59.49	2.00	1.18	-56.31	≤-41.20	PASS
				AV	5460.000	-60.11	2.00	1.18	-56.93	≤-41.20	PASS
				Peak	5350.000	-51.68	2.00	0.00	-49.68	≤-27.00	PASS
				Peak	5370.400	-47.82	2.00	0.00	-45.82	≤-27.00	PASS
				Peak	5460.000	-51.49	2.00	0.00	-49.49	≤-27.00	PASS
		Low	5775	Peak	5650.000	-49.71	2.00	0.00	-47.71	≤-27.00	PASS
				Peak	5700.000	-44.11	2.00	0.00	-42.11	≤10.00	PASS
				Peak	5720.000	-42.86	2.00	0.00	-40.86	≤15.60	PASS
				Peak	5725.000	-36.89	2.00	0.00	-34.89	≤27.00	PASS
		High	5775	Peak	5850.000	-47.454	2.00	0.00	-45.454	≤27.00	PASS
				Peak	5855.000	-44.74	2.00	0.00	-42.74	≤15.60	PASS
				Peak	5875.000	-51.19	2.00	0.00	-49.19	≤10.00	PASS
				Peak	5925.000	-52.67	2.00	0.00	-50.67	≤-27.00	PASS

Note:

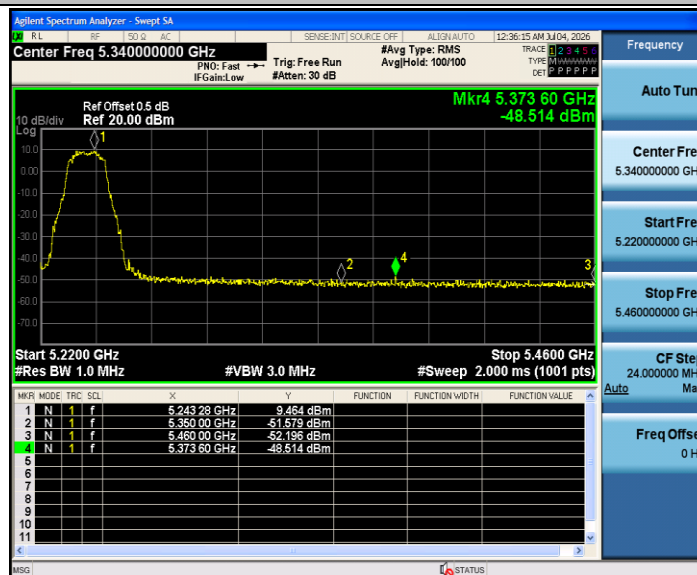
1. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

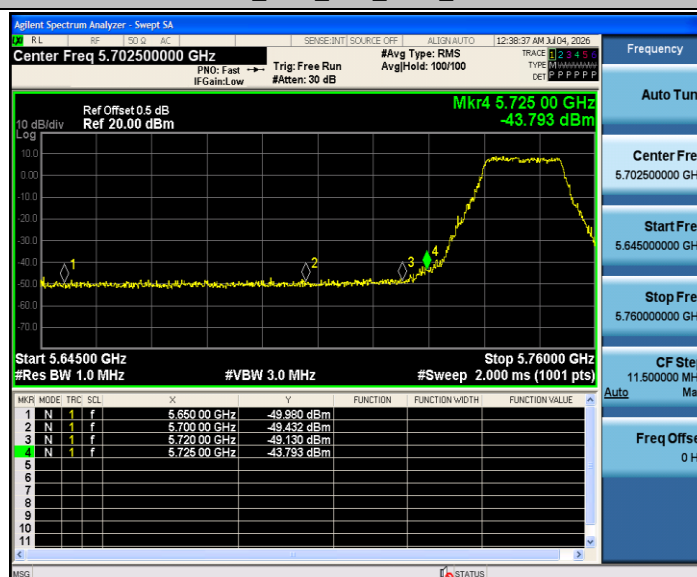




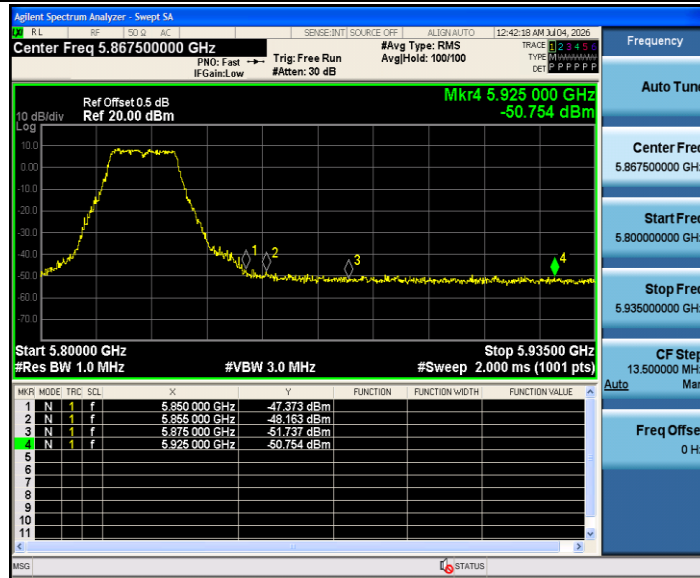
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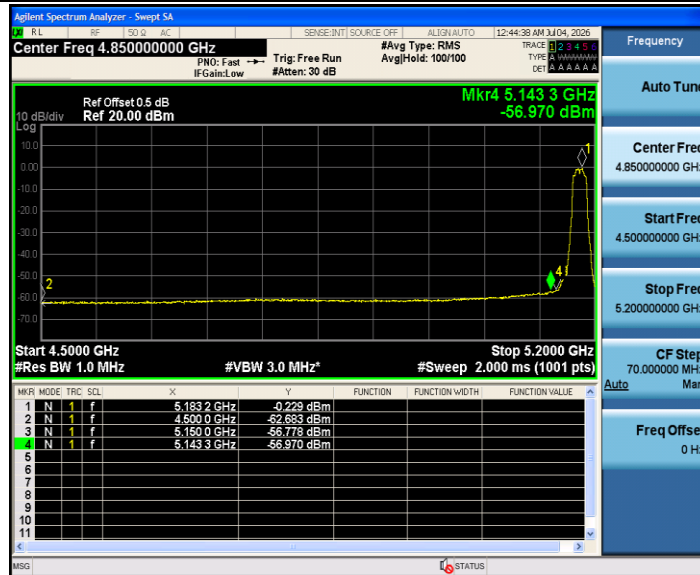
11A_Ant1_Low_5745_Peak



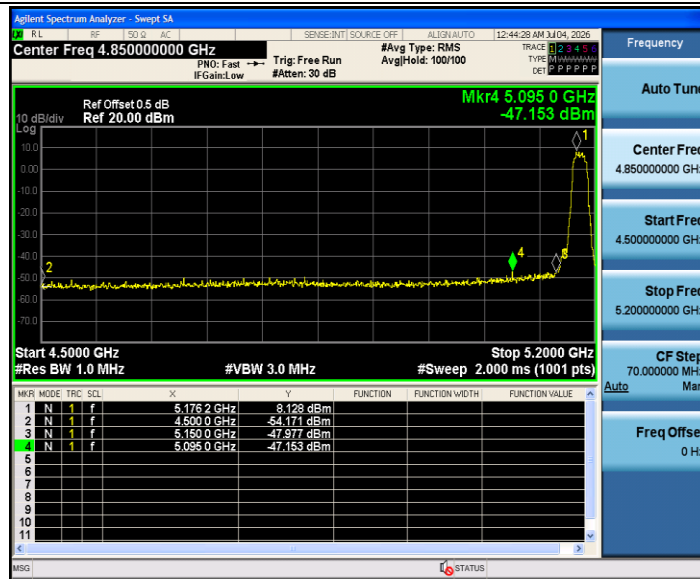
11A_Ant1_High_5825_Peak



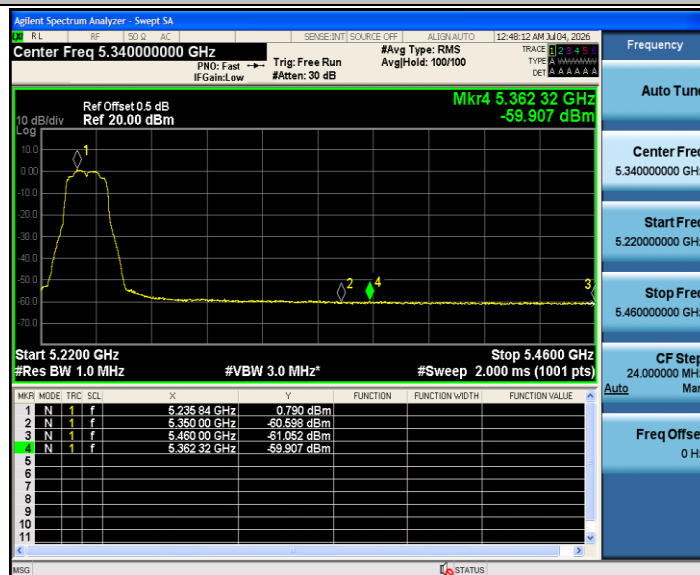
11N20SISO_Ant1_Low_5180_AV



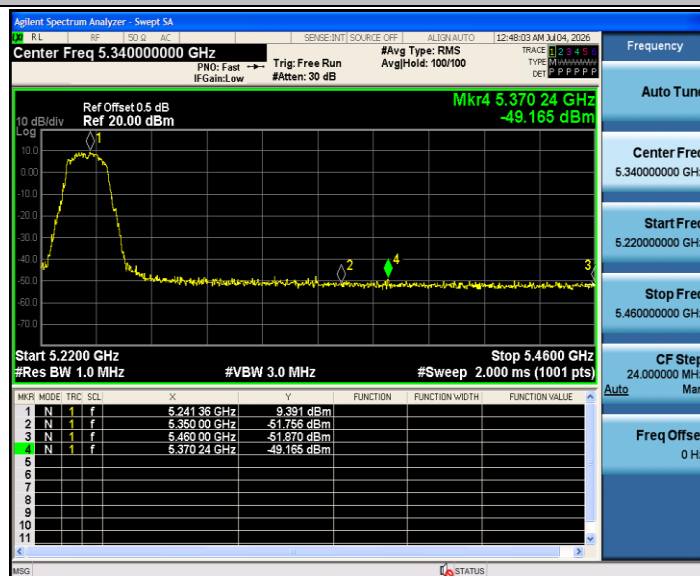
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11N20SISO_Ant1_High_5240_AV



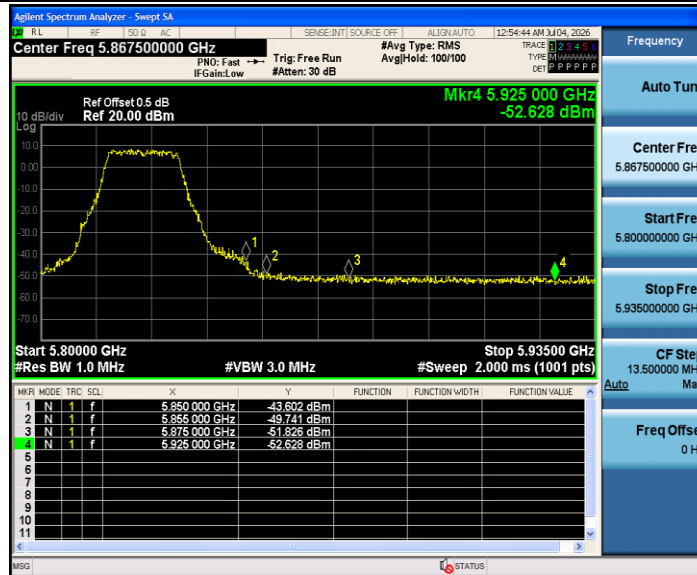
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11N20SISO_Ant1_Low_5745_Peak



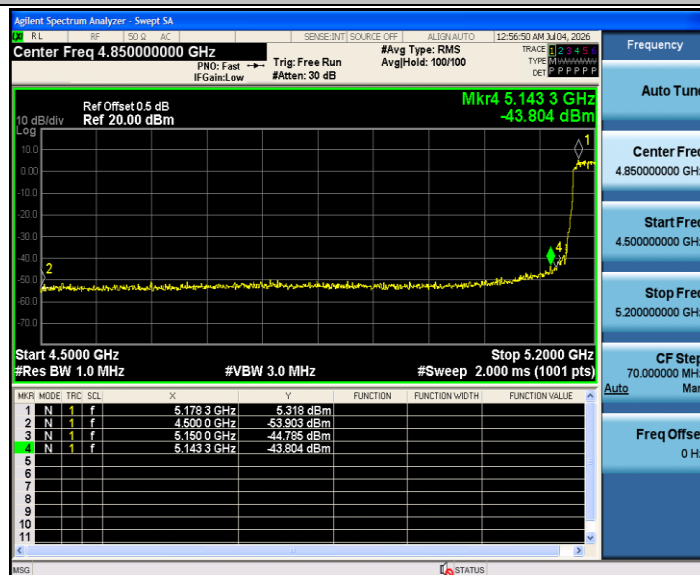
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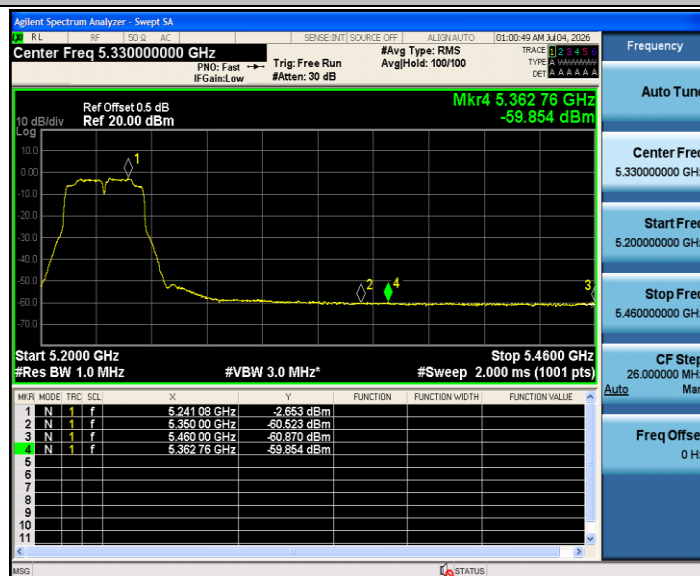
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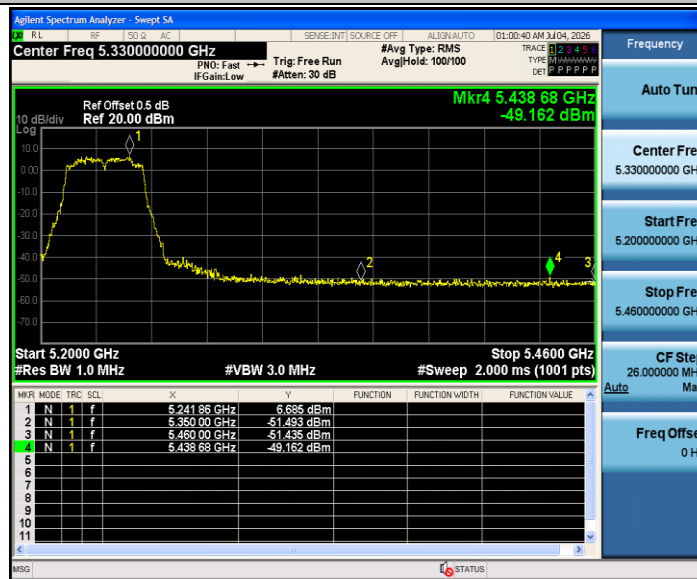
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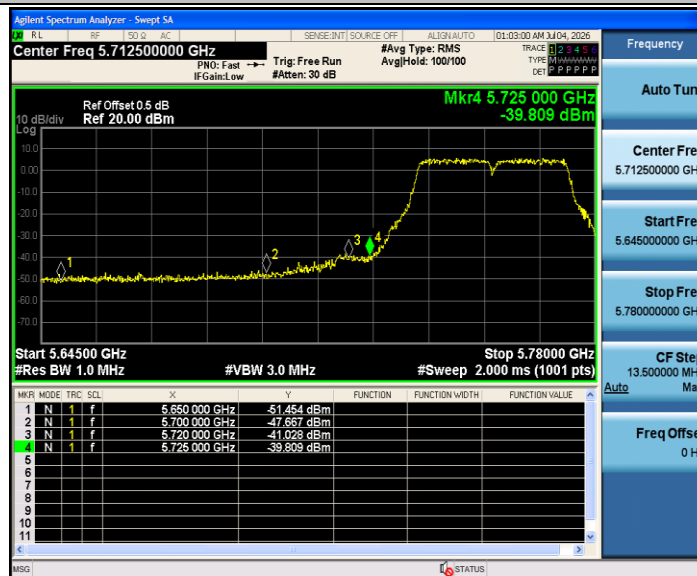
11N40SISO_Ant1_High_5230_AV



11N40SISO_Ant1_High_5230_Peak



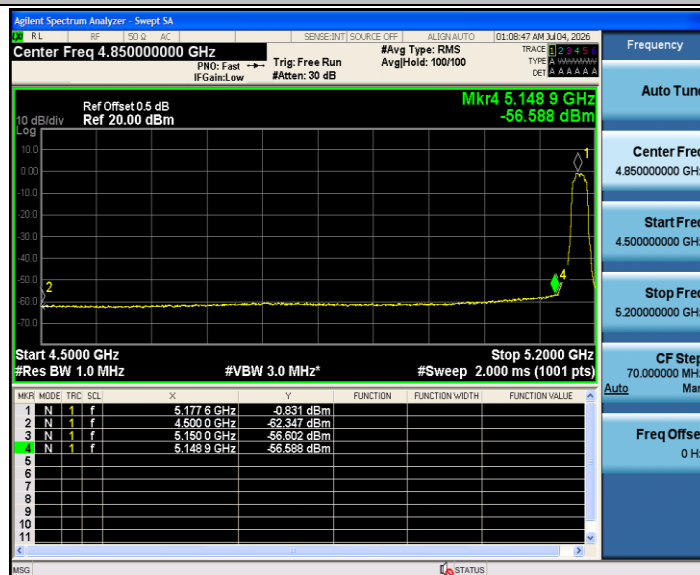
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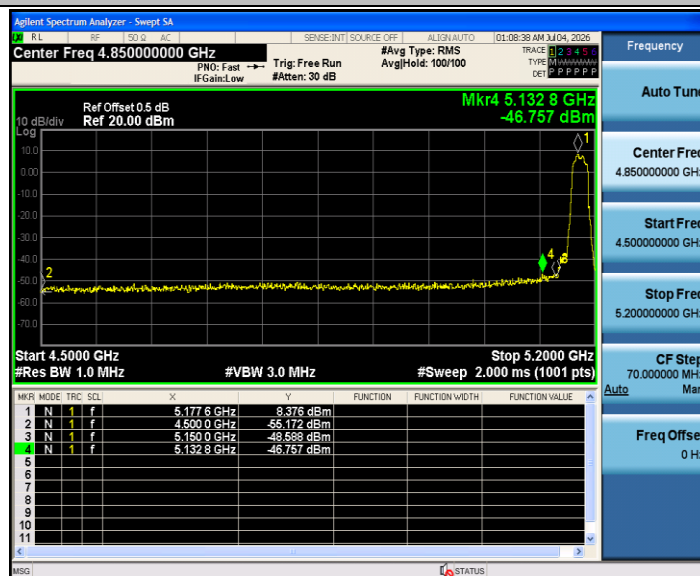
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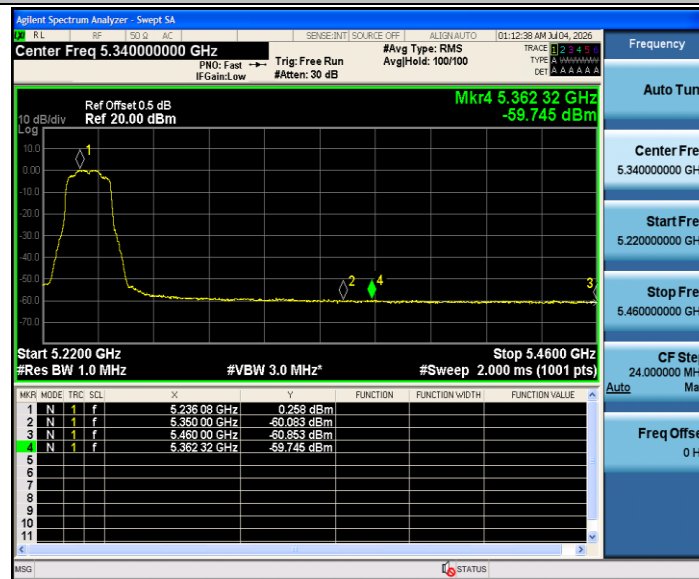
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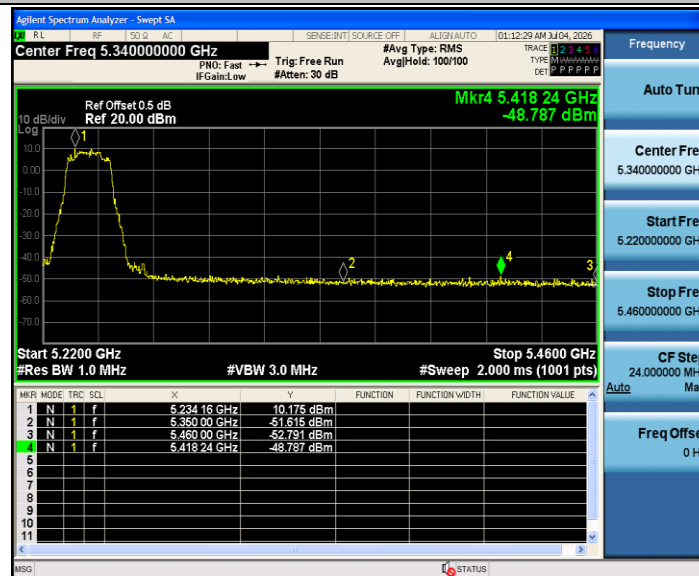
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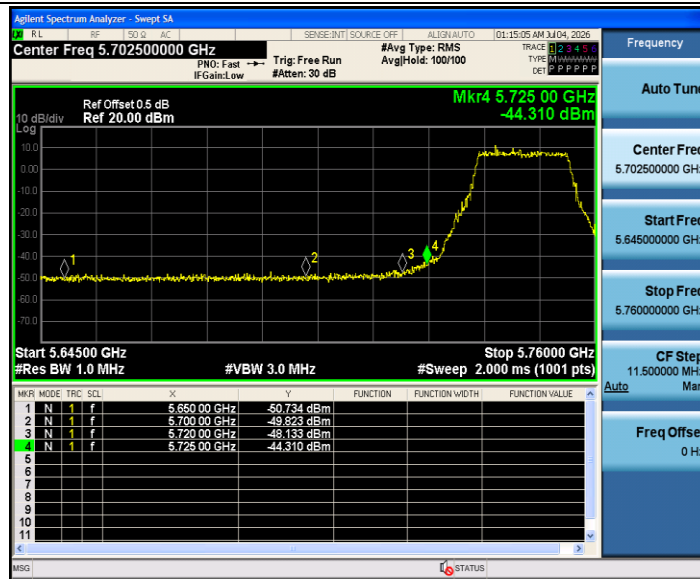
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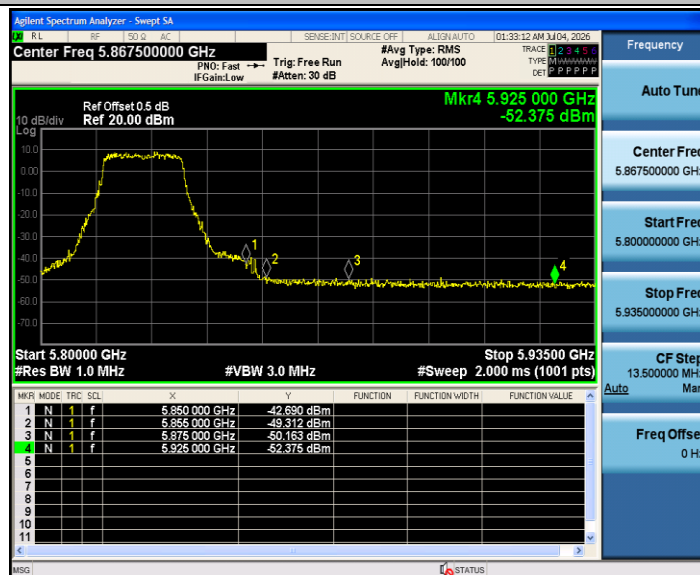
11AC20SISO_Ant1_High_5240_Peak



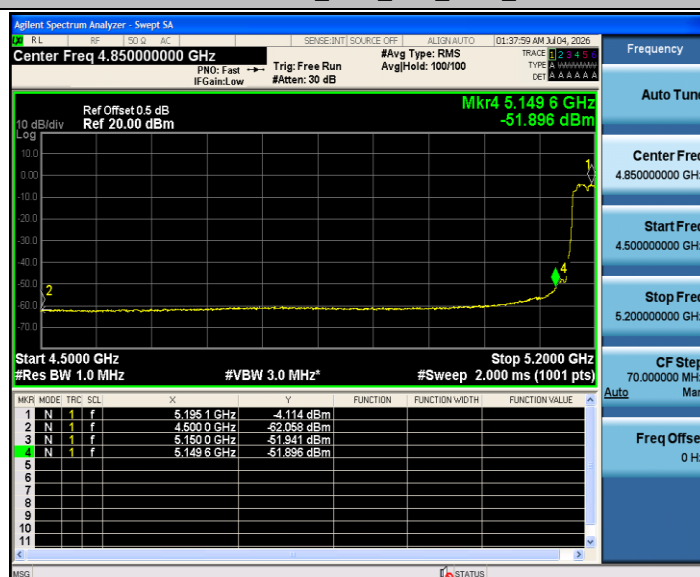
11AC20SISO_Ant1_Low_5745_Peak



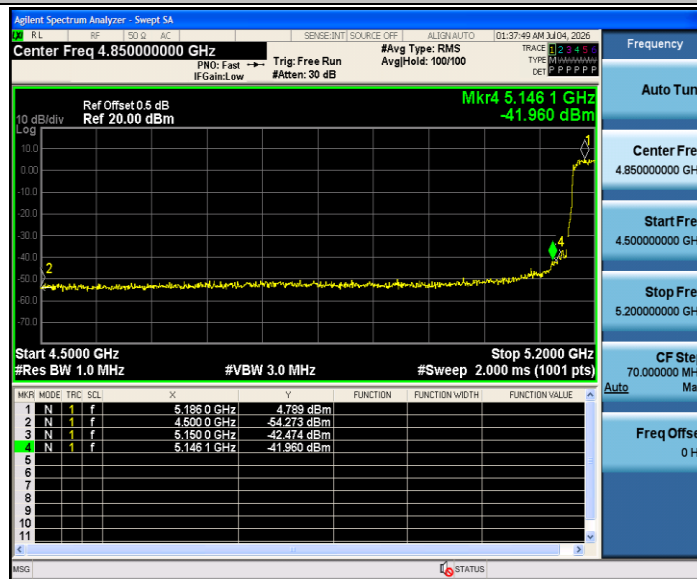
11AC20SISO_Ant1_High_5825_Peak



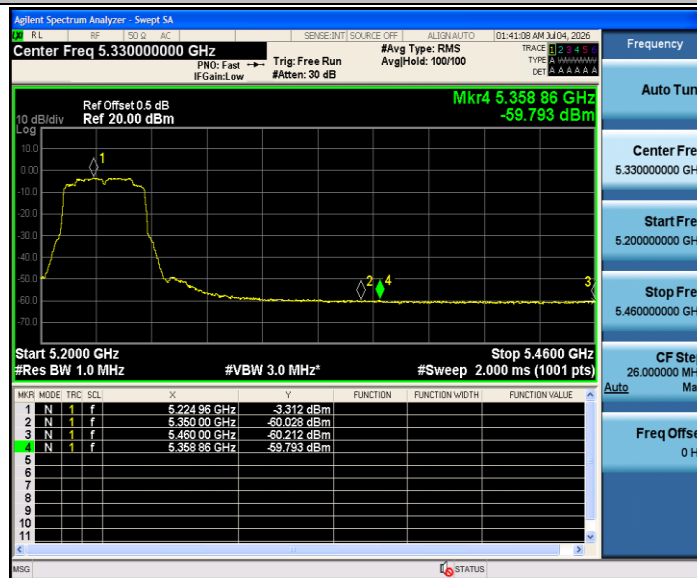
11AC40SISO_Ant1_Low_5190_AV



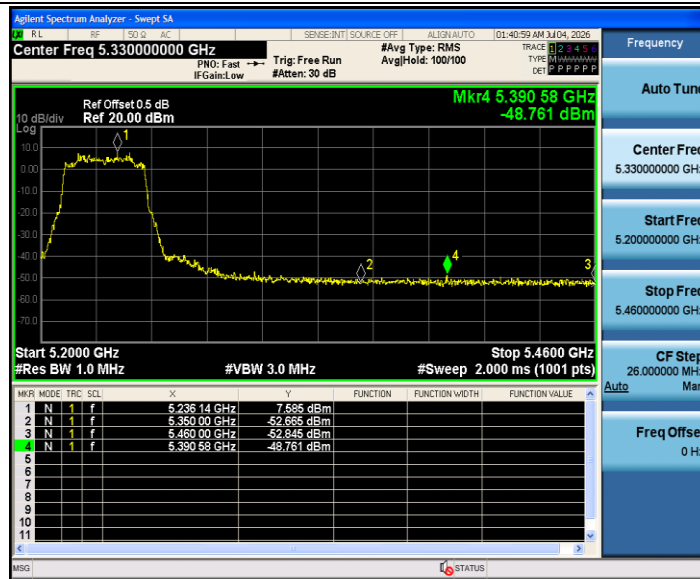
11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV



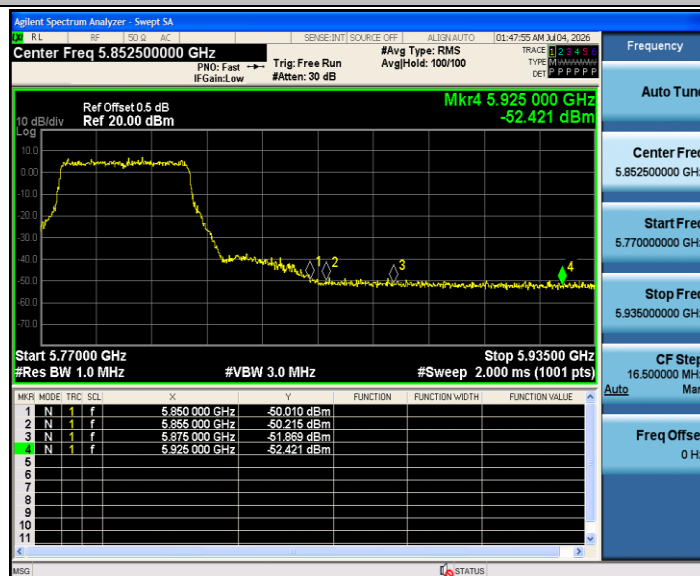
11AC40SISO_Ant1_High_5230_Peak



11AC40SISO_Ant1_Low_5755_Peak



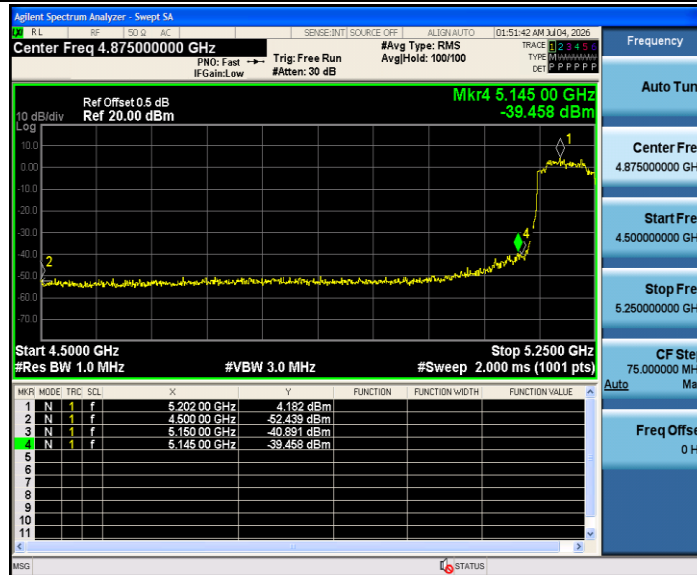
11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5210_AV



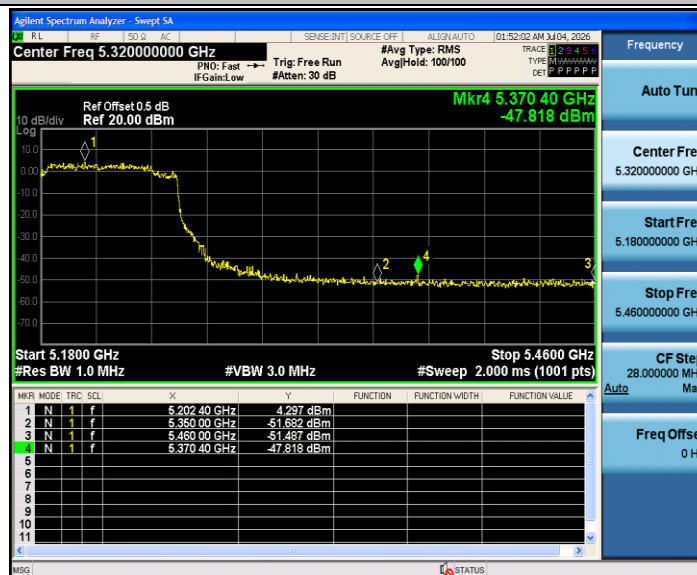
11AC80SISO_Ant1_Low_5210_Peak



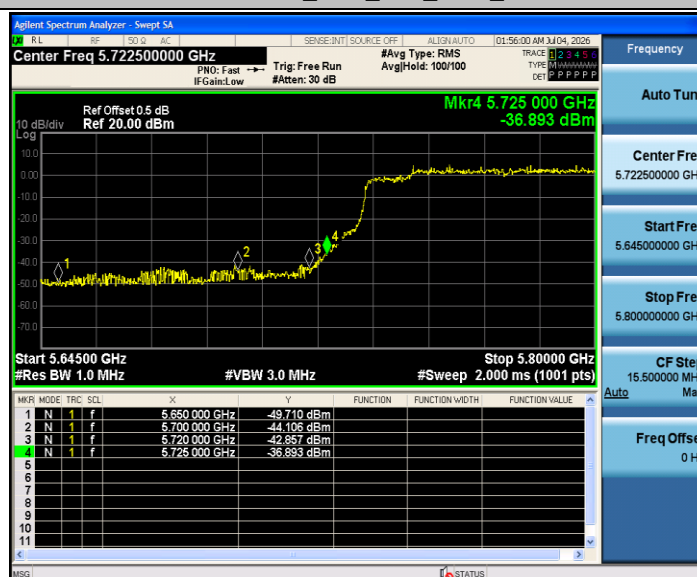
11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak



11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak



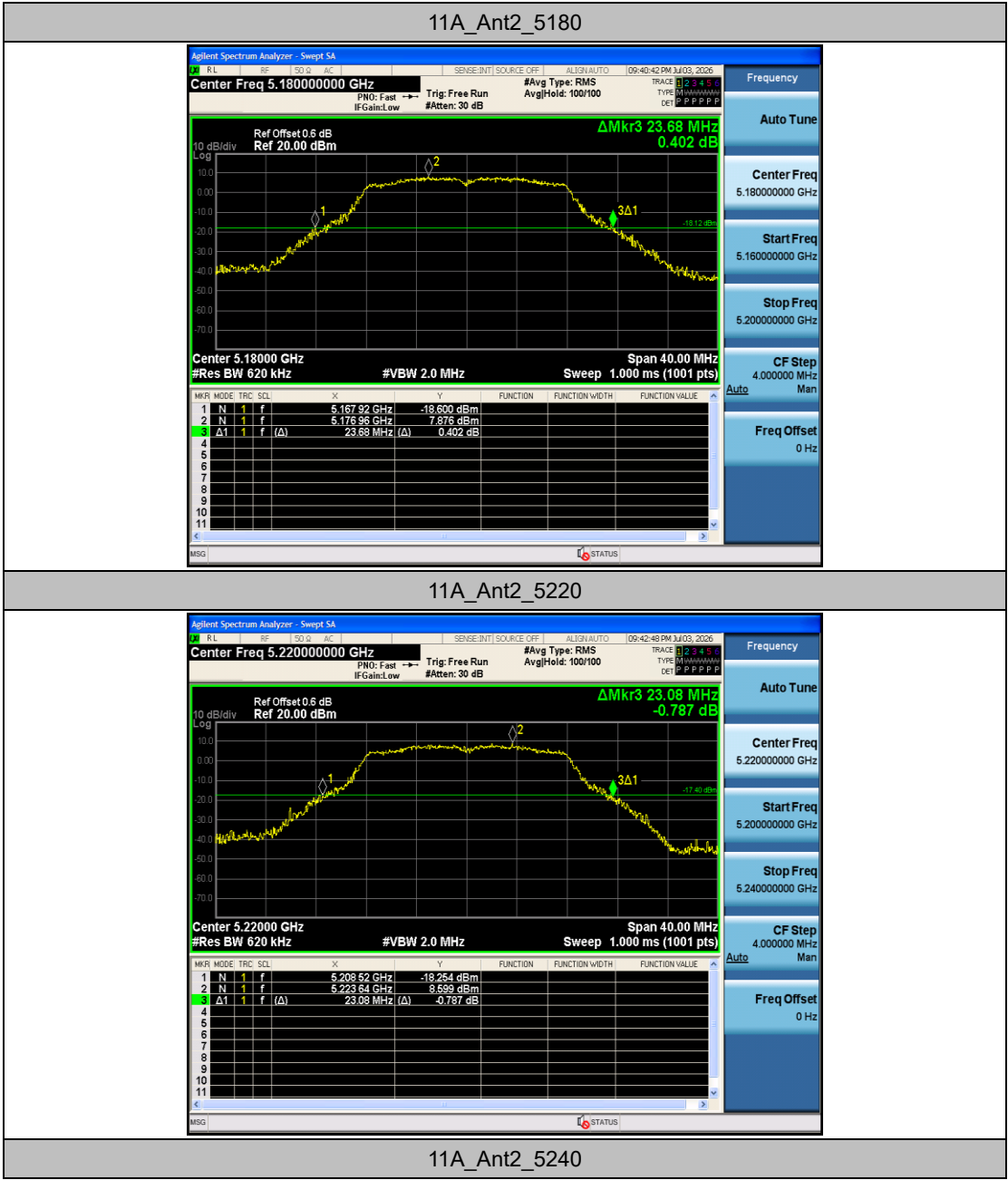
FCC Appendix RF Test Data for 5GWIFI Antenna 2

Appendix A1: Emission Bandwidth

Test Result

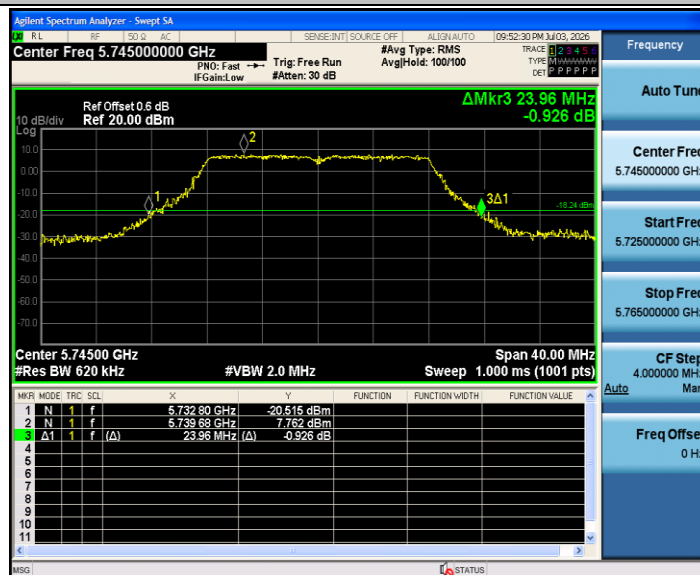
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	23.680	5167.920	5191.600	---	---
		5220	23.080	5208.520	5231.600	---	---
		5240	23.280	5228.440	5251.720	---	---
		5745	23.960	5732.800	5756.760	---	---
		5785	23.520	5773.160	5796.680	---	---
		5825	24.120	5812.720	5836.840	---	---
11N20SISO	Ant2	5180	24.640	5167.920	5192.560	---	---
		5220	24.760	5207.440	5232.200	---	---
		5240	23.880	5227.840	5251.720	---	---
		5745	25.240	5731.880	5757.120	---	---
		5785	24.280	5772.920	5797.200	---	---
		5825	25.000	5812.640	5837.640	---	---
11N40SISO	Ant2	5190	42.560	5168.880	5211.440	---	---
		5230	43.360	5208.640	5252.000	---	---
		5755	44.800	5733.000	5777.800	---	---
		5795	44.880	5772.920	5817.800	---	---
11AC20SISO	Ant2	5180	23.320	5168.800	5192.120	---	---
		5220	22.240	5208.960	5231.200	---	---
		5240	23.680	5228.320	5252.000	---	---
		5745	23.760	5732.720	5756.480	---	---
		5785	24.080	5773.400	5797.480	---	---
		5825	23.080	5813.200	5836.280	---	---
11AC40SISO	Ant2	5190	43.280	5168.640	5211.920	---	---
		5230	43.200	5208.320	5251.520	---	---
		5755	44.320	5733.320	5777.640	---	---
		5795	44.000	5773.400	5817.400	---	---
11AC80SISO	Ant2	5210	84.640	5167.760	5252.400	---	---
		5775	85.760	5732.600	5818.360	---	---

Test Graphs





11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5180



11N20SISO_Ant2_5220



11N20SISO_Ant2_5240



11N20SISO_Ant2_5745

