

Appendix D.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5135.91	-40.35	≤-27	PASS
			5360~40000	23556.35	-37.32	≤-27	PASS
		5200	30~5140	5130.12	-39.34	≤-27	PASS
			5360~40000	15594.28	-35.69	≤-27	PASS
		5240	30~5140	5134.55	-43.15	≤-27	PASS
			5360~40000	15726.28	-34.47	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5136.08	-36.13	≤-27	PASS
			5360~40000	15534.41	-33.08	≤-27	PASS
		5200	30~5140	5138.13	-37.42	≤-27	PASS
			5360~40000	15595	-30.44	≤-27	PASS
		5240	30~5140	5134.89	-39.93	≤-27	PASS
			5360~40000	15720.51	-30.84	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5134.55	-41.75	≤-27	PASS
			5360~40000	25961.28	-37.27	≤-27	PASS
		5230	30~5140	5135.74	-43.13	≤-27	PASS
			5360~40000	25690.78	-37.39	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5132.85	-40.48	≤-27	PASS
			5360~40000	24134.86	-37.26	≤-27	PASS
		5200	30~5140	5134.21	-41.19	≤-27	PASS
			5360~40000	15603.65	-35.39	≤-27	PASS
		5240	30~5140	5135.23	-42.94	≤-27	PASS
			5360~40000	10485.07	-35.6	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5138.47	-38.3	≤-27	PASS
			5360~40000	24280.57	-37.29	≤-27	PASS
		5230	30~5140	5134.04	-42.47	≤-27	PASS
			5360~40000	23562.13	-37.54	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5136.59	-36.48	≤-27	PASS
			5360~40000	24300.77	-37.42	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5136.08	-40.93	≤-27	PASS
			5360~40000	23590.98	-37.55	≤-27	PASS
		5200	30~5140	5133.87	-41.05	≤-27	PASS
			5360~40000	15599.33	-36.4	≤-27	PASS
		5240	30~5140	5109.85	-42.52	≤-27	PASS
			5360~40000	10479.3	-34.67	≤-27	PASS
11AX40SISO	Ant1	5190	30~5140	5138.13	-44.15	≤-27	PASS
			5360~40000	26565.04	-37.31	≤-27	PASS

		5230	30~5140	2585.17	-42.16	≤ -27	PASS
			5360~40000	23519.57	-37.34	≤ -27	PASS
11AX80SISO	Ant1	5210	30~5140	5117.86	-35.15	≤ -27	PASS
			5360~40000	24215.65	-36.82	≤ -27	PASS

Test Graphs

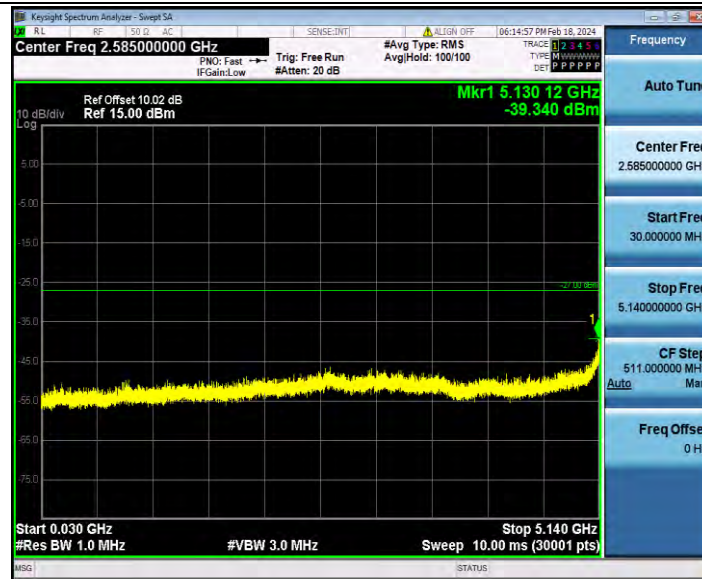
11A_Ant1_5180_30~5140



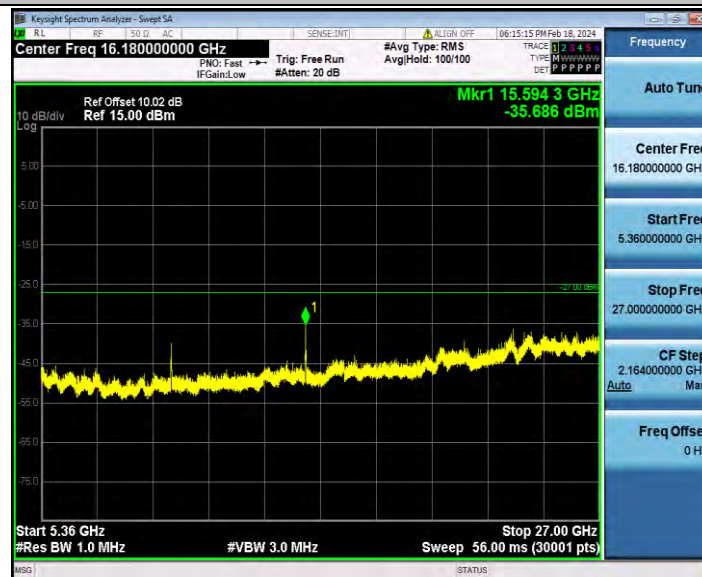
11A_Ant1_5180_5360~40000



11A_Ant1_5200_30~5140



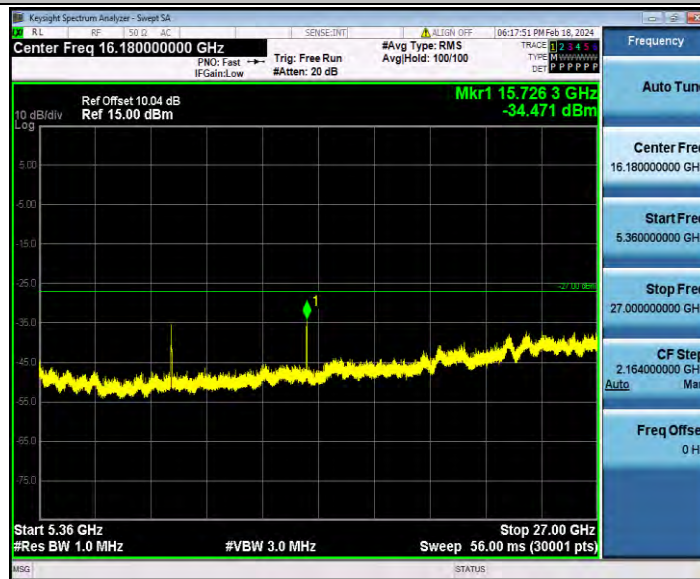
11A_Ant1_5200_5360~40000



11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



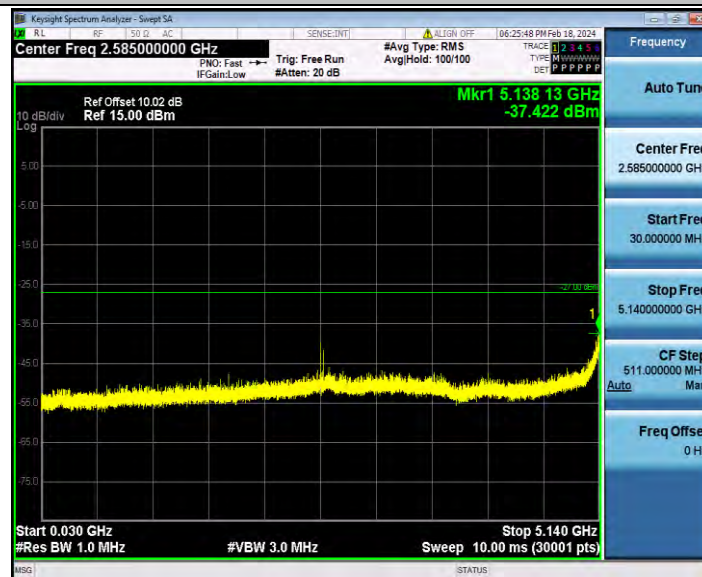
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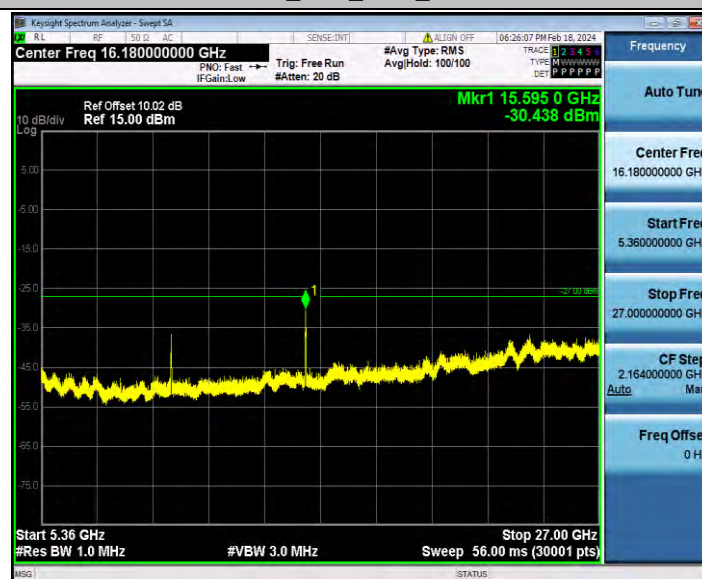
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11N20SISO_Ant1_5200_30~5140



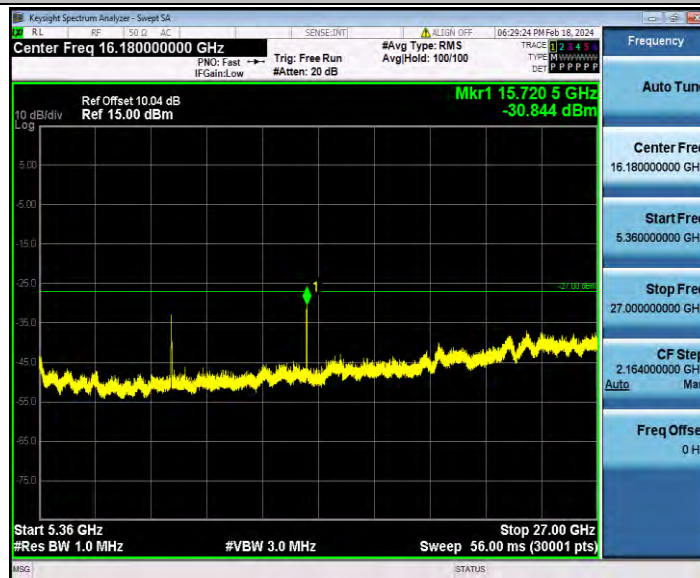
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11N20SISO_Ant1_5240_30~5140



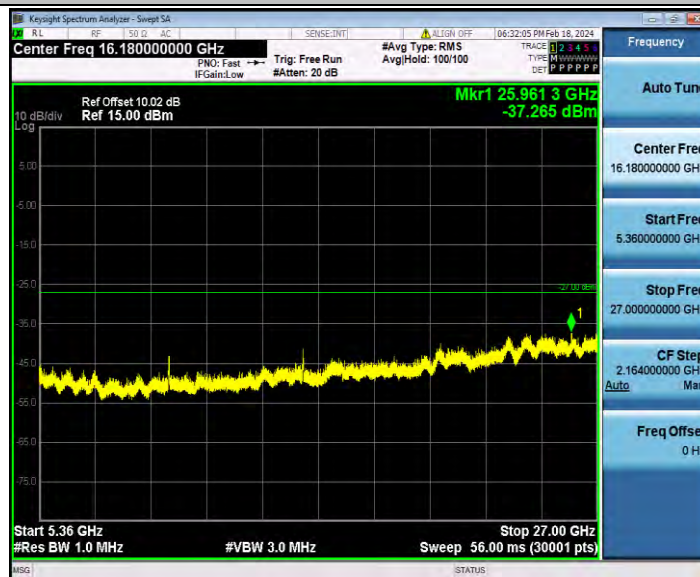
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11N40SISO_Ant1_5190_30~5140



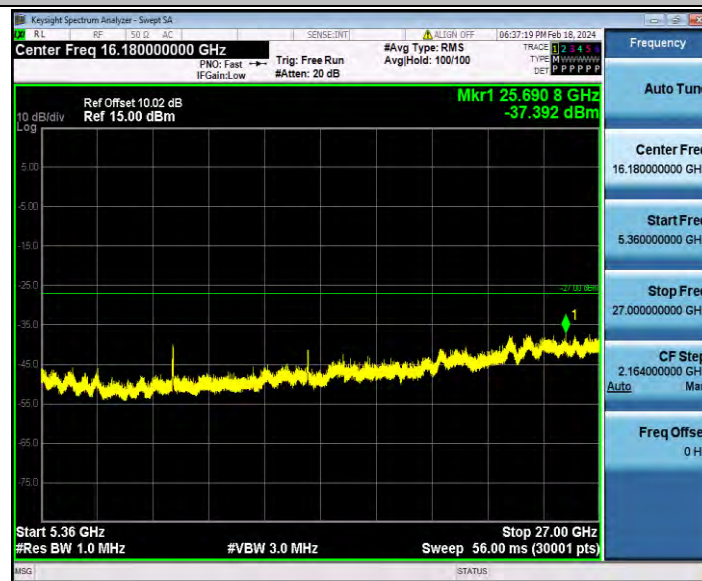
11N40SISO_Ant1_5190_5360~40000



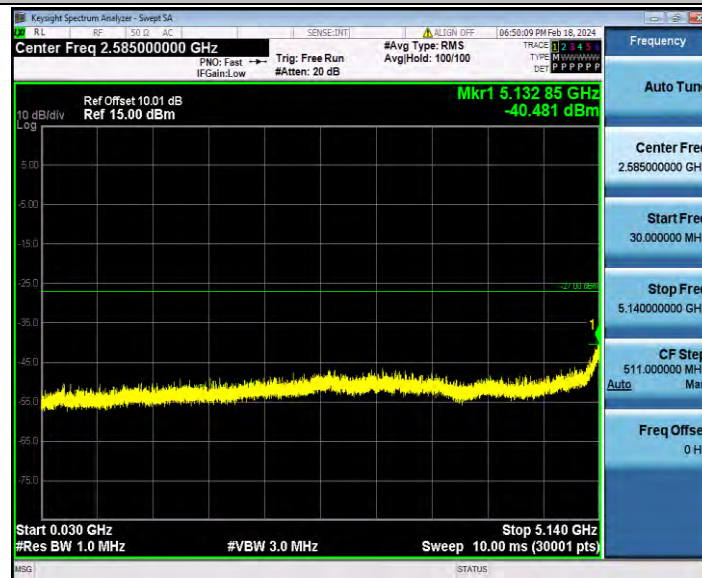
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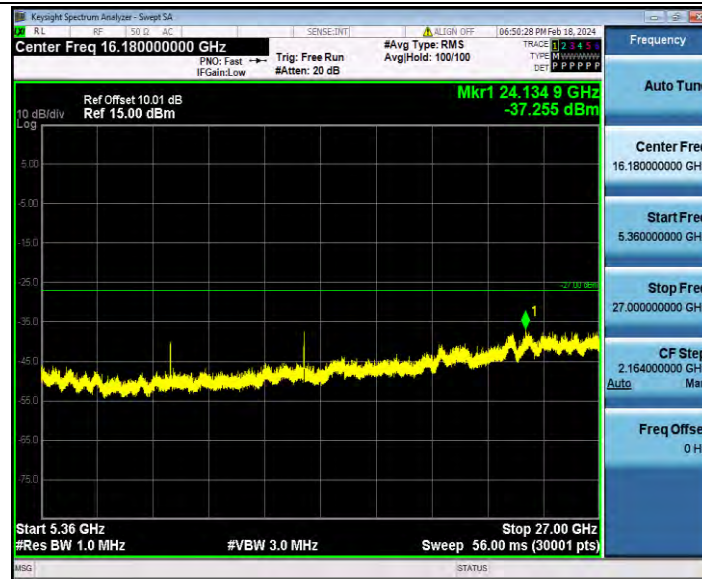
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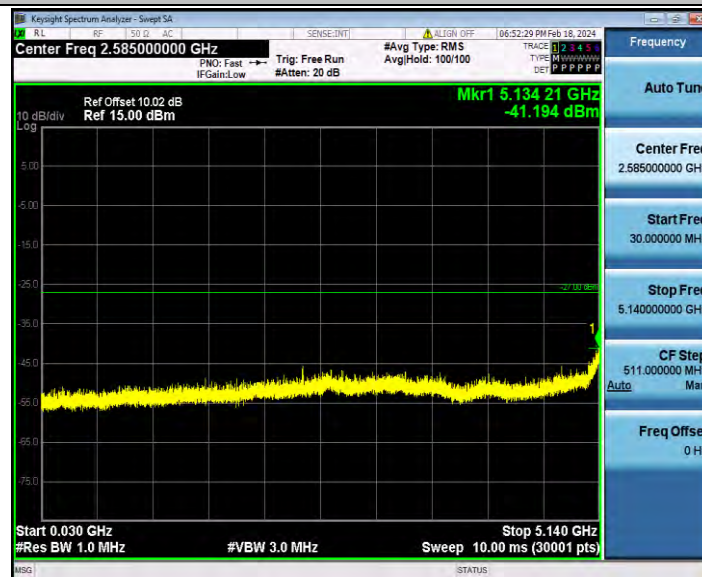
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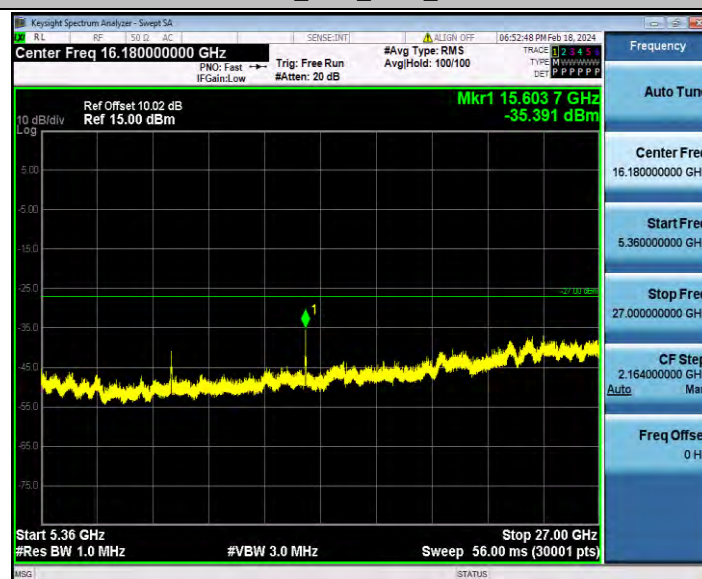
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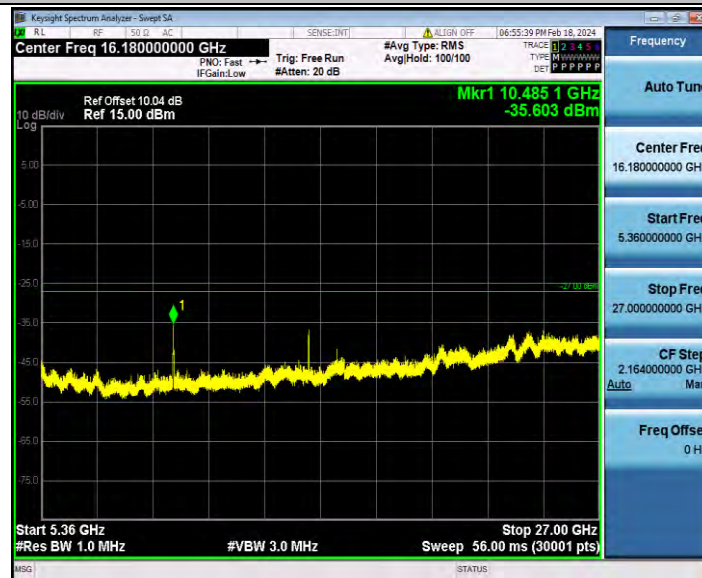
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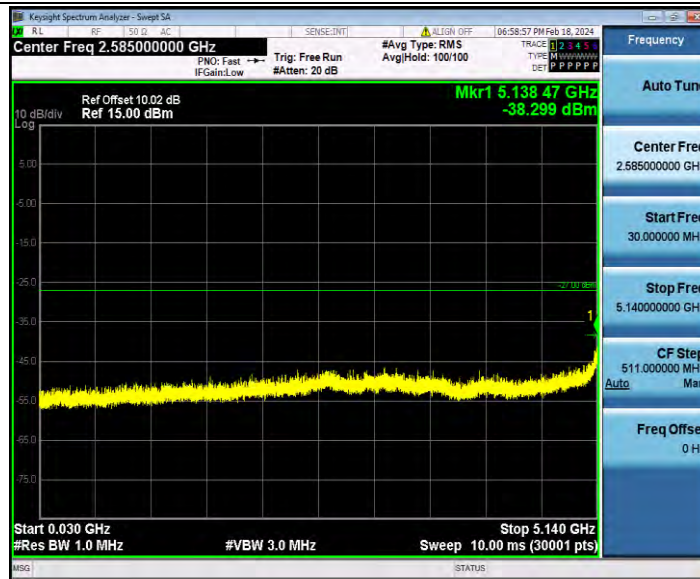
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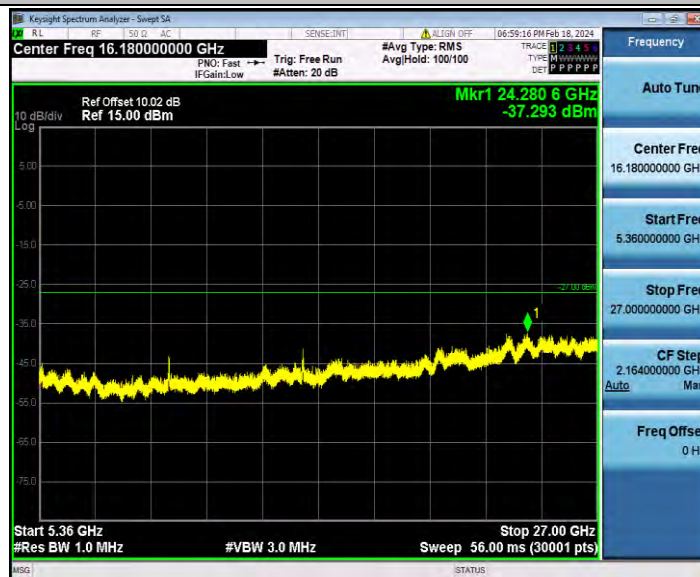
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11AC40SISO_Ant1_5190_30~5140

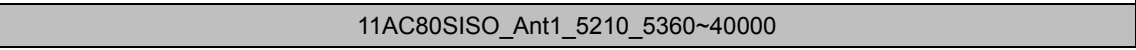
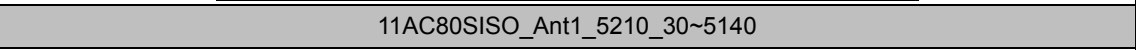


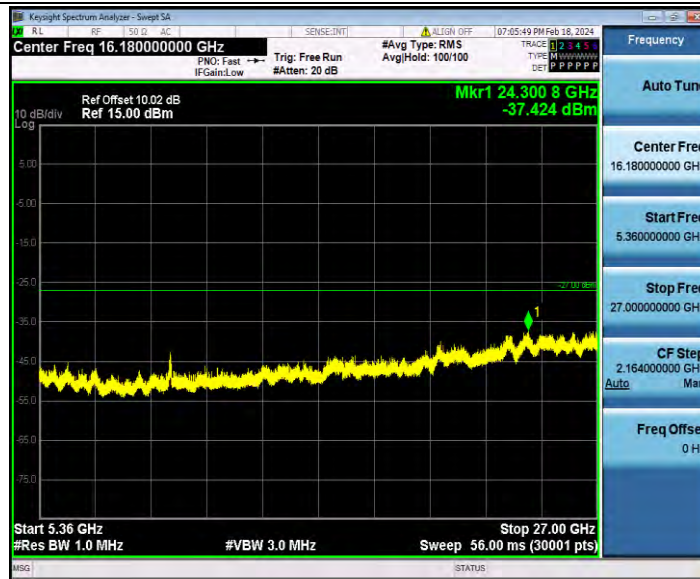
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11AC40SISO_Ant1_5230_30~5140







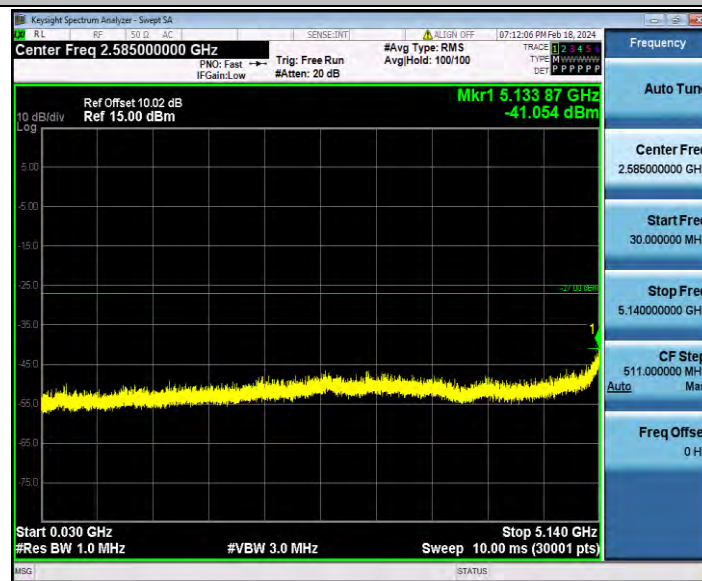
11AX20SISO_Ant1_5180_30~5140



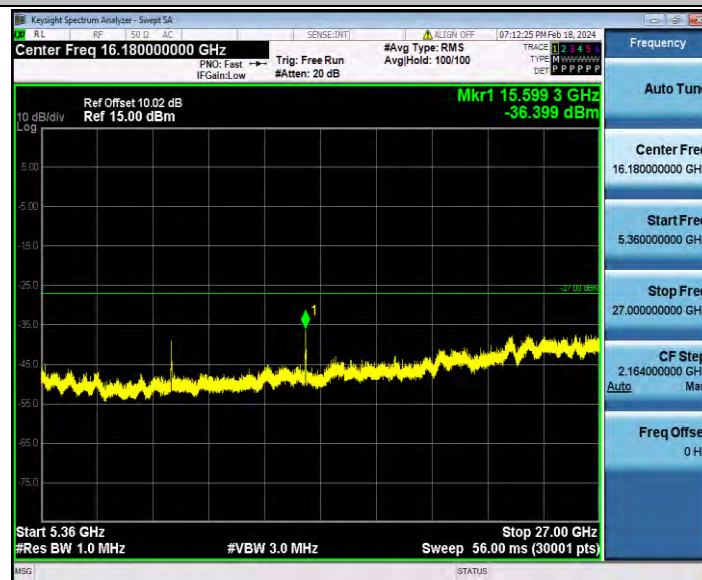
11AX20SISO_Ant1_5180_5360~40000



11AX20SISO_Ant1_5200_30~5140



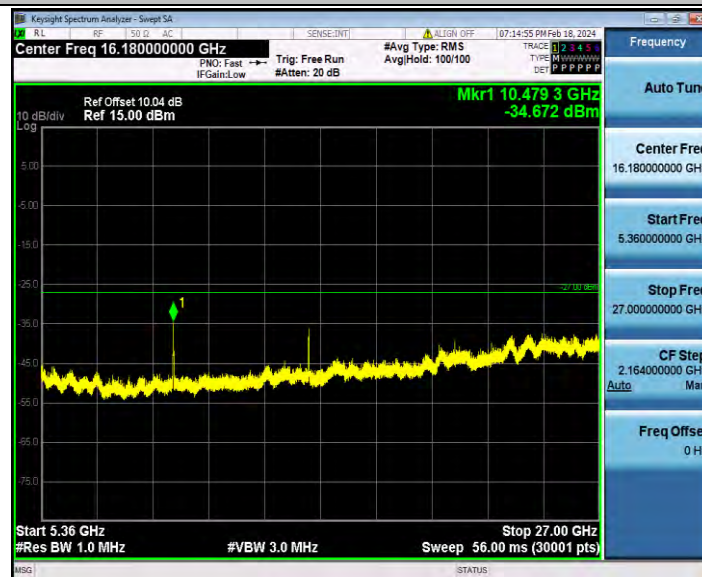
11AX20SISO_Ant1_5200_5360~40000



11AX20SISO_Ant1_5240_30~5140



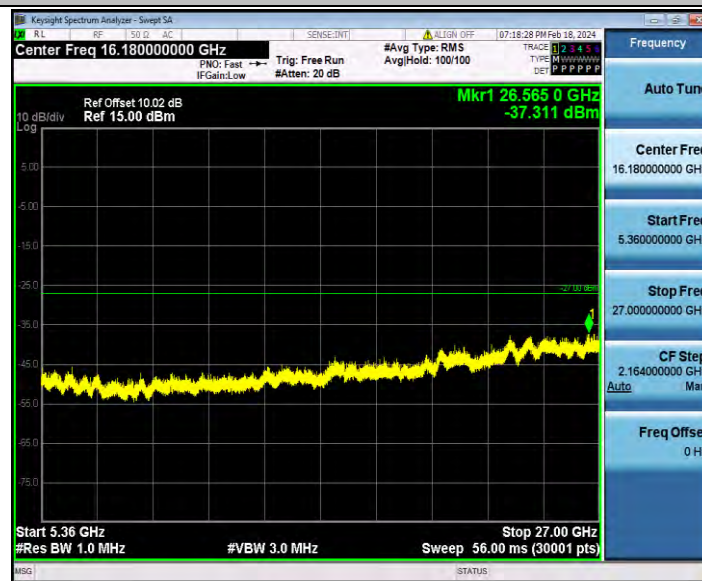
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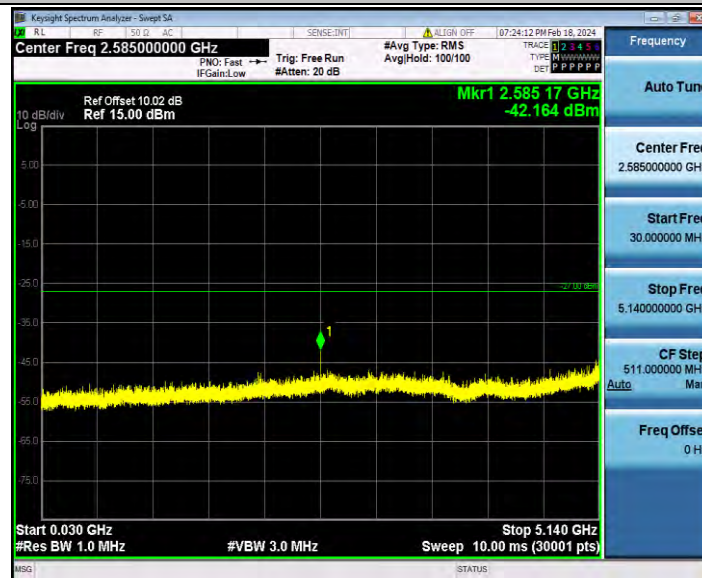
11AX40SISO_Ant1_5190_30~5140



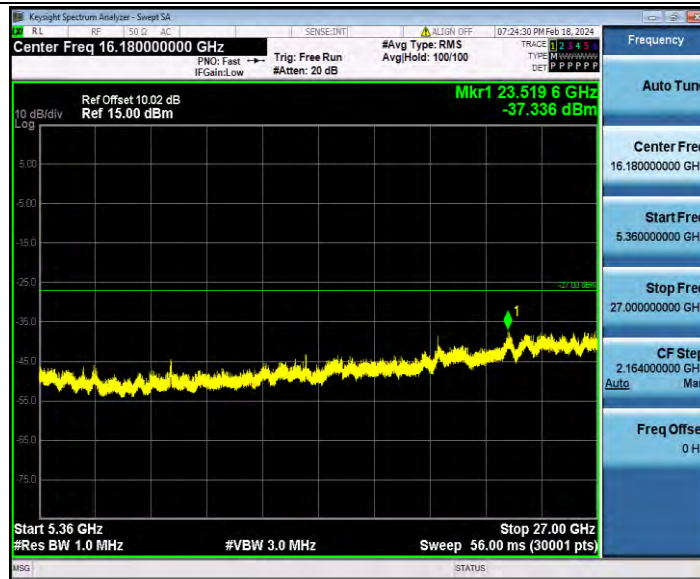
11AX40SISO_Ant1_5190_5360~40000



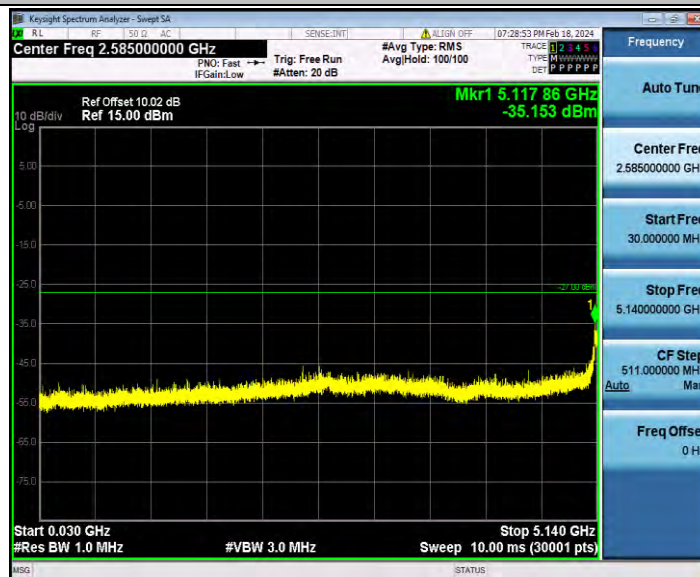
11AX40SISO_Ant1_5230_30~5140



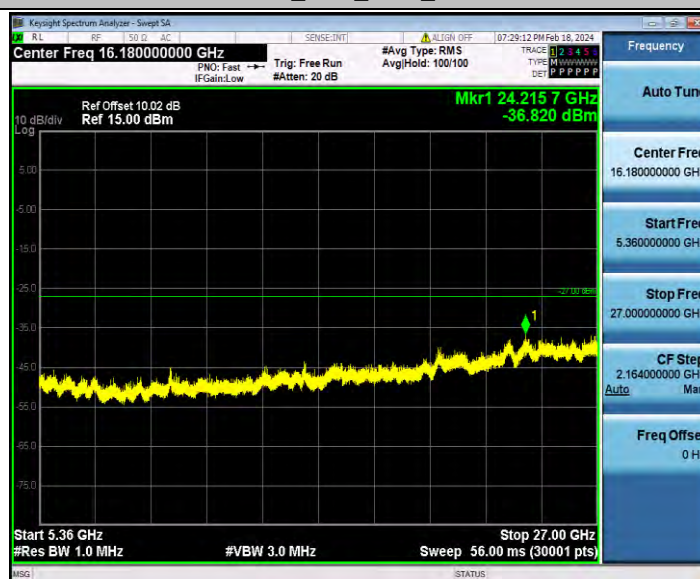
11AX40SISO_Ant1_5230_5360~40000



11AX80SISO_Ant1_5210_30~5140



11AX80SISO_Ant1_5210_5360~40000



Appendix D.8: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-46.4	≤-41.20	48.80	≤54	PASS
				AV	5149.600	-42.42	≤-41.20	52.78	≤54	PASS
				AV	5150.000	-42.95	≤-41.20	52.25	≤54	PASS
				Peak	4500.000	-40.66	≤-21.20	54.54	≤74	PASS
				Peak	5141.900	-34.93	≤-21.20	60.27	≤74	PASS
				Peak	5150.000	-36.3	≤-21.20	58.90	≤74	PASS
		High	5240	AV	5350.000	-46.17	≤-41.20	49.03	≤54	PASS
				AV	5439.120	-44.27	≤-41.20	50.93	≤54	PASS
				AV	5460.000	-44.99	≤-41.20	50.21	≤54	PASS
				Peak	5350.000	-38.3	≤-21.20	56.90	≤74	PASS
				Peak	5449.200	-35.06	≤-21.20	60.14	≤74	PASS
				Peak	5460.000	-37.94	≤-21.20	57.26	≤74	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-47.54	≤-41.20	47.66	≤54	PASS
				AV	5149.600	-41.73	≤-41.20	53.47	≤54	PASS
				AV	5150.000	-41.45	≤-41.20	53.75	≤54	PASS
				Peak	4500.000	-39.92	≤-21.20	55.28	≤74	PASS
				Peak	5147.500	-32.95	≤-21.20	62.25	≤74	PASS
				Peak	5150.000	-31.95	≤-21.20	63.25	≤74	PASS
		High	5240	AV	5350.000	-45.19	≤-41.20	50.01	≤54	PASS
				AV	5444.880	-44.76	≤-41.20	50.44	≤54	PASS
				AV	5460.000	-45.45	≤-41.20	49.75	≤54	PASS
				Peak	5350.000	-37.7	≤-21.20	57.50	≤74	PASS
				Peak	5354.400	-35.81	≤-21.20	59.39	≤74	PASS
				Peak	5460.000	-37.61	≤-21.20	57.59	≤74	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-47.78	≤-41.20	47.42	≤54	PASS
				AV	5148.900	-44.76	≤-41.20	50.44	≤54	PASS
				AV	5150.000	-44.84	≤-41.20	50.36	≤54	PASS
				Peak	4500.000	-39.89	≤-21.20	55.31	≤74	PASS
				Peak	5122.300	-34.3	≤-21.20	60.90	≤74	PASS
				Peak	5150.000	-38	≤-21.20	57.20	≤74	PASS
		High	5230	AV	5350.000	-46.52	≤-41.20	48.68	≤54	PASS
				AV	5448.820	-45.6	≤-41.20	49.60	≤54	PASS
				AV	5460.000	-45.81	≤-41.20	49.39	≤54	PASS
				Peak	5350.000	-38.85	≤-21.20	56.35	≤74	PASS
				Peak	5387.980	-35.28	≤-21.20	59.92	≤74	PASS
				Peak	5460.000	-39	≤-21.20	56.20	≤74	PASS
11AC20SI	Ant1	Low	5180	AV	4500.000	-47.07	≤-41.20	48.13	≤54	PASS

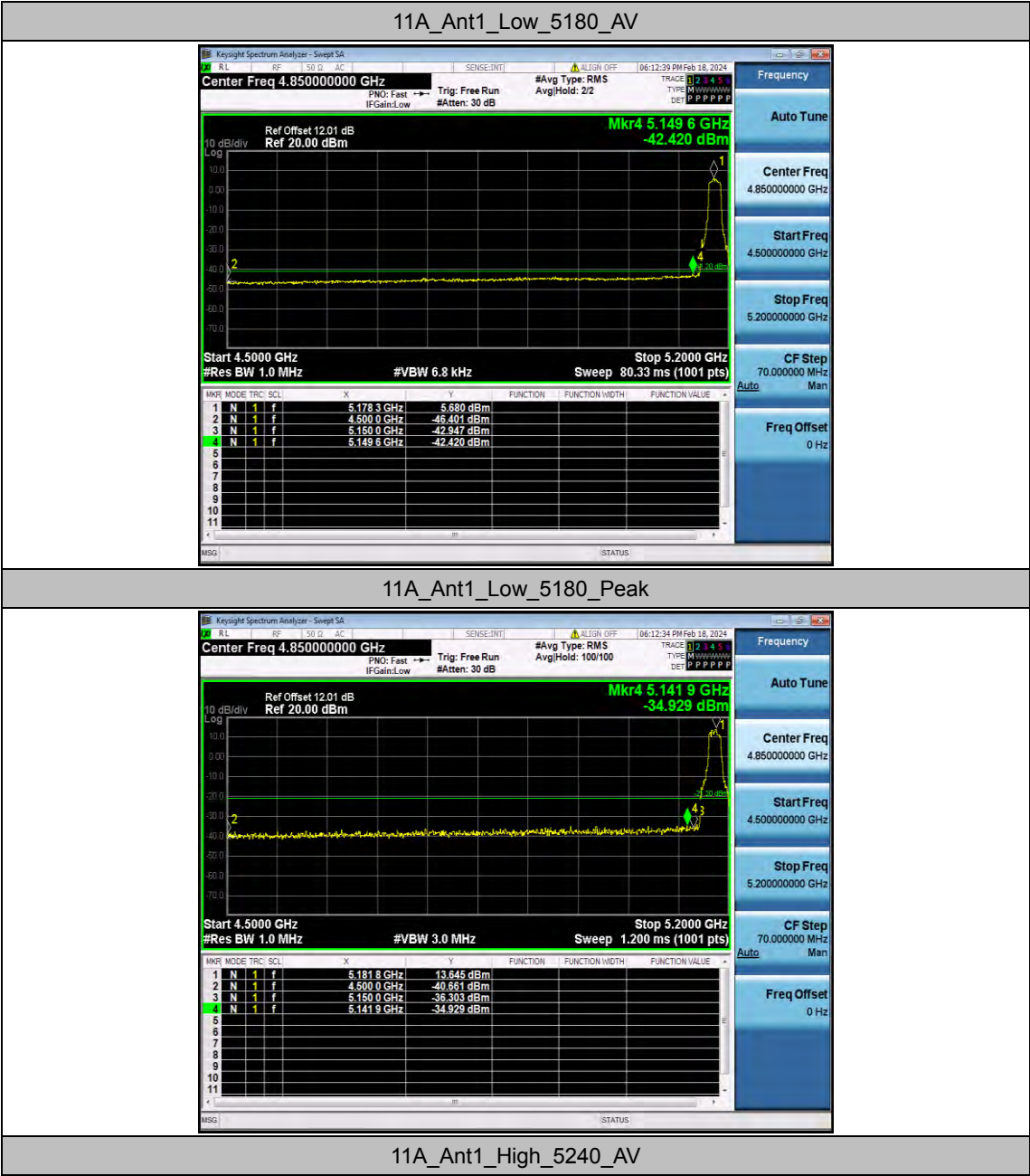
SO				AV	5149.600	-42.09	≤-41.20	53.11	≤54	PASS
				AV	5150.000	-42.52	≤-41.20	52.68	≤54	PASS
				Peak	4500.000	-41.11	≤-21.20	54.09	≤74	PASS
				Peak	5121.600	-34.63	≤-21.20	60.57	≤74	PASS
				Peak	5150.000	-36.83	≤-21.20	58.37	≤74	PASS
		High	5240	AV	5350.000	-46.08	≤-41.20	49.12	≤54	PASS
				AV	5438.160	-44.24	≤-41.20	50.96	≤54	PASS
				AV	5460.000	-45.27	≤-41.20	49.93	≤54	PASS
				Peak	5350.000	-37	≤-21.20	58.20	≤74	PASS
				Peak	5441.280	-35.57	≤-21.20	59.63	≤74	PASS
				Peak	5460.000	-37.04	≤-21.20	58.16	≤74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-47.81	≤-41.20	47.39	≤54	PASS
				AV	5144.700	-44.89	≤-41.20	50.31	≤54	PASS
				AV	5150.000	-45.04	≤-41.20	50.16	≤54	PASS
				Peak	4500.000	-40.25	≤-21.20	54.95	≤74	PASS
				Peak	5141.900	-35.02	≤-21.20	60.18	≤74	PASS
				Peak	5150.000	-37.16	≤-21.20	58.04	≤74	PASS
		High	5230	AV	5350.000	-46.2	≤-41.20	49.00	≤54	PASS
				AV	5453.240	-45.52	≤-41.20	49.68	≤54	PASS
				AV	5460.000	-45.83	≤-41.20	49.37	≤54	PASS
				Peak	5350.000	-38.02	≤-21.20	57.18	≤74	PASS
				Peak	5403.580	-36.1	≤-21.20	59.10	≤74	PASS
				Peak	5460.000	-37.58	≤-21.20	57.62	≤74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-47.57	≤-41.20	47.63	≤54	PASS
				AV	5138.250	-44.06	≤-41.20	51.14	≤54	PASS
				AV	5150.000	-44.84	≤-41.20	50.36	≤54	PASS
				Peak	4500.000	-40.86	≤-21.20	54.34	≤74	PASS
				Peak	5137.500	-32.88	≤-21.20	62.32	≤74	PASS
				Peak	5150.000	-35.63	≤-21.20	59.57	≤74	PASS
		High	5210	AV	5350.000	-46.65	≤-41.20	48.55	≤54	PASS
				AV	5441.800	-45.49	≤-41.20	49.71	≤54	PASS
				AV	5460.000	-45.84	≤-41.20	49.36	≤54	PASS
				Peak	5350.000	-38.78	≤-21.20	56.42	≤74	PASS
				Peak	5398.120	-35.02	≤-21.20	60.18	≤74	PASS
				Peak	5460.000	-39.24	≤-21.20	55.96	≤74	PASS
11AX20SI SO	Ant1	Low	5180	AV	4500.000	-46.94	≤-41.20	48.26	≤54	PASS
				AV	5149.600	-42.34	≤-41.20	52.86	≤54	PASS
				AV	5150.000	-43.47	≤-41.20	51.73	≤54	PASS
				Peak	4500.000	-39.94	≤-21.20	55.26	≤74	PASS
				Peak	5114.600	-34.68	≤-21.20	60.52	≤74	PASS
				Peak	5150.000	-35.94	≤-21.20	59.26	≤74	PASS
		High	5240	AV	5350.000	-45.73	≤-41.20	49.47	≤54	PASS
				AV	5457.840	-43.92	≤-41.20	51.28	≤54	PASS

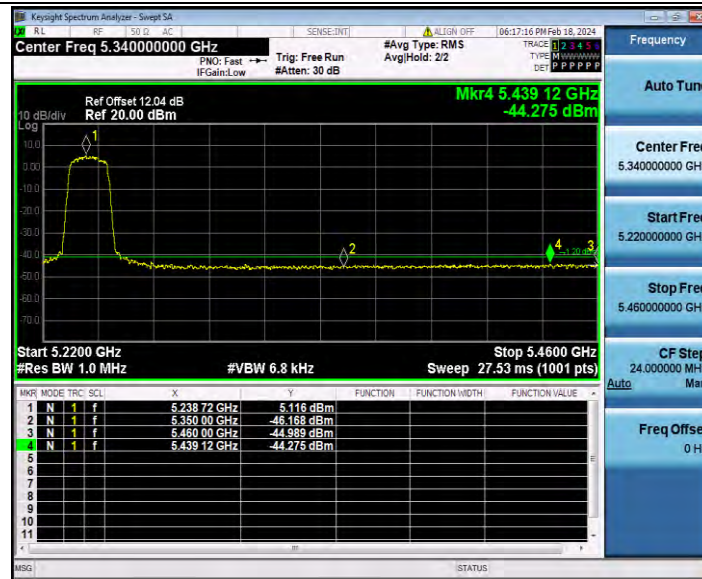
				AV	5460.000	-44.82	≤ -41.20	50.38	≤ 54	PASS
				Peak	5350.000	-38.26	≤ -21.20	56.94	≤ 74	PASS
				Peak	5448.000	-35.27	≤ -21.20	59.93	≤ 74	PASS
				Peak	5460.000	-38.26	≤ -21.20	56.94	≤ 74	PASS
11AX40SI SO	Ant1	Low	5190	AV	4500.000	-47.84	≤ -41.20	47.36	≤ 54	PASS
				AV	4955.000	-45.3	≤ -41.20	49.90	≤ 54	PASS
				AV	5150.000	-45.79	≤ -41.20	49.41	≤ 54	PASS
				Peak	4500.000	-41.37	≤ -21.20	53.83	≤ 74	PASS
				Peak	4965.500	-34.37	≤ -21.20	60.83	≤ 74	PASS
				Peak	5150.000	-38.83	≤ -21.20	56.37	≤ 74	PASS
		High	5230	AV	5350.000	-46.65	≤ -41.20	48.55	≤ 54	PASS
				AV	5445.700	-45.52	≤ -41.20	49.68	≤ 54	PASS
				AV	5460.000	-45.6	≤ -41.20	49.60	≤ 54	PASS
				Peak	5350.000	-37.99	≤ -21.20	57.21	≤ 74	PASS
				Peak	5371.600	-35.71	≤ -21.20	59.49	≤ 74	PASS
				Peak	5460.000	-38.29	≤ -21.20	56.91	≤ 74	PASS
11AX80SI SO	Ant1	Low	5210	AV	4500.000	-47.66	≤ -41.20	47.54	≤ 54	PASS
				AV	5137.500	-42.29	≤ -41.20	52.91	≤ 54	PASS
				AV	5150.000	-43.84	≤ -41.20	51.36	≤ 54	PASS
				Peak	4500.000	-40.24	≤ -21.20	54.96	≤ 74	PASS
				Peak	5118.000	-31.16	≤ -21.20	64.04	≤ 74	PASS
				Peak	5150.000	-33.7	≤ -21.20	61.50	≤ 74	PASS
		High	5210	AV	5350.000	-46.48	≤ -41.20	48.72	≤ 54	PASS
				AV	5445.440	-45.45	≤ -41.20	49.75	≤ 54	PASS
				AV	5460.000	-45.76	≤ -41.20	49.44	≤ 54	PASS
				Peak	5350.000	-38.45	≤ -21.20	56.75	≤ 74	PASS
				Peak	5456.920	-35.09	≤ -21.20	60.11	≤ 74	PASS
				Peak	5460.000	-38.3	≤ -21.20	56.90	≤ 74	PASS

Note:

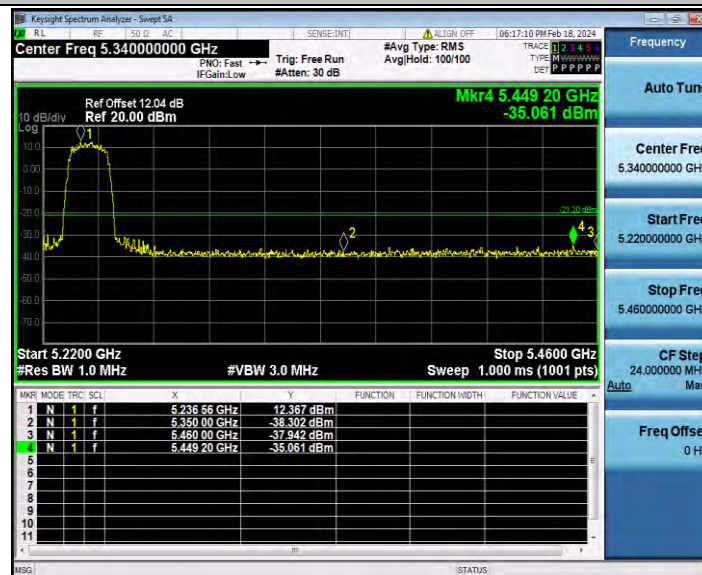
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs





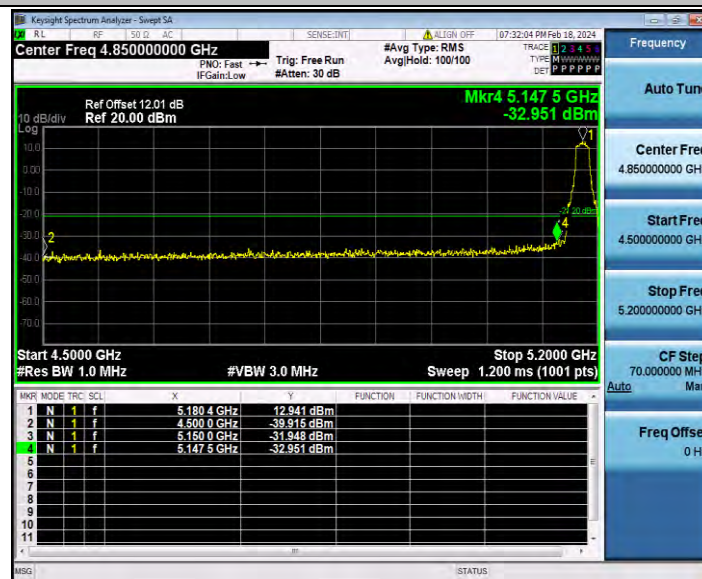
11A_Ant1_High_5240_Peak



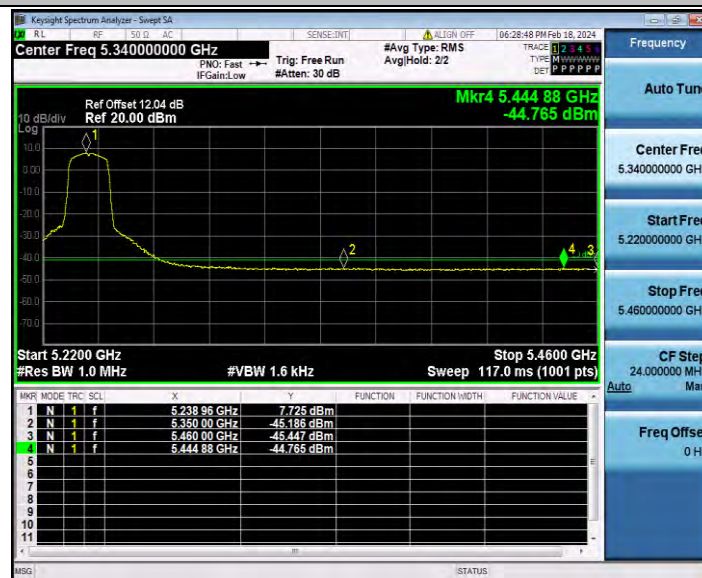
11N20SISO_Ant1_Low_5180_AV



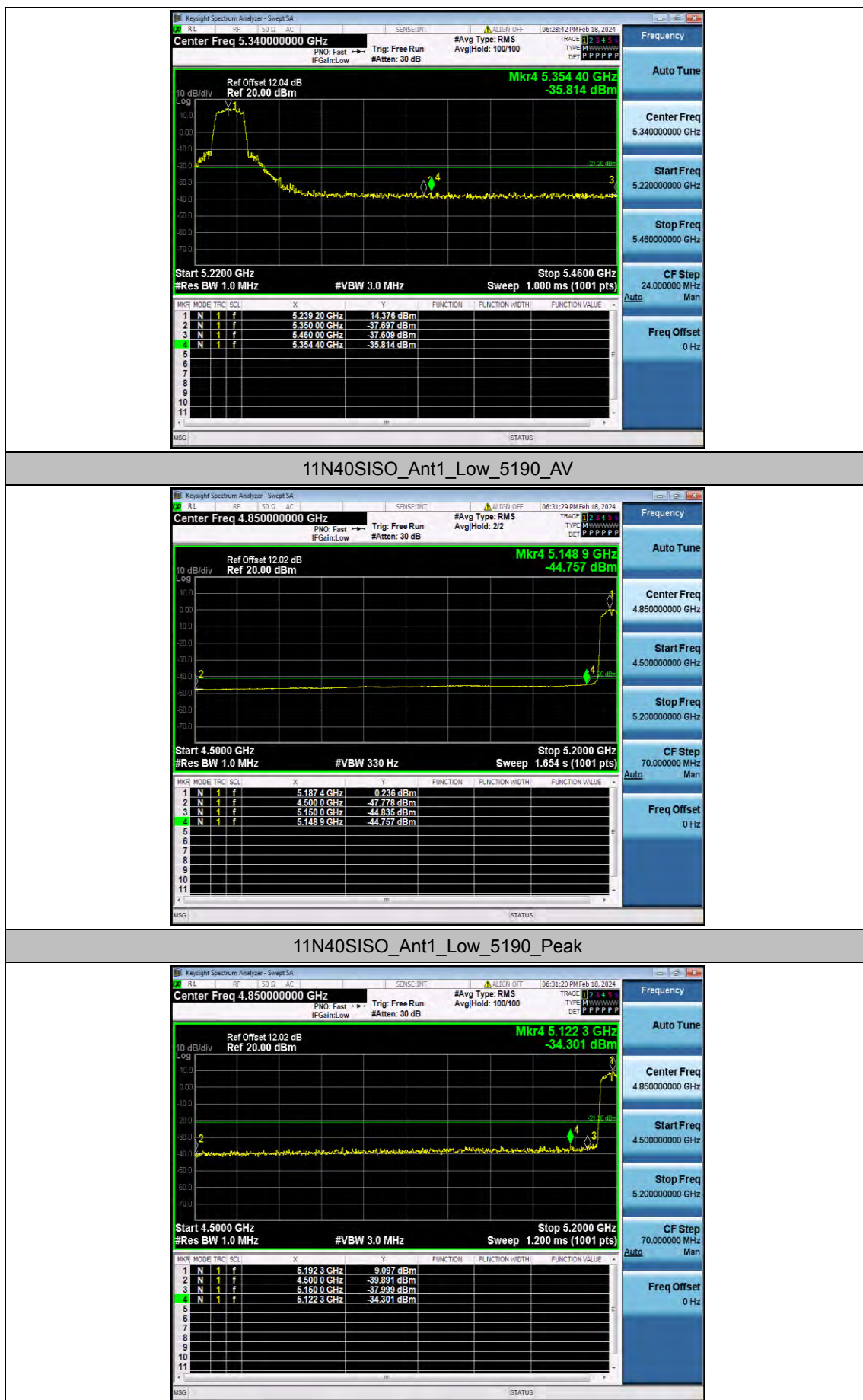
11N20SISO_Ant1_Low_5180_Peak



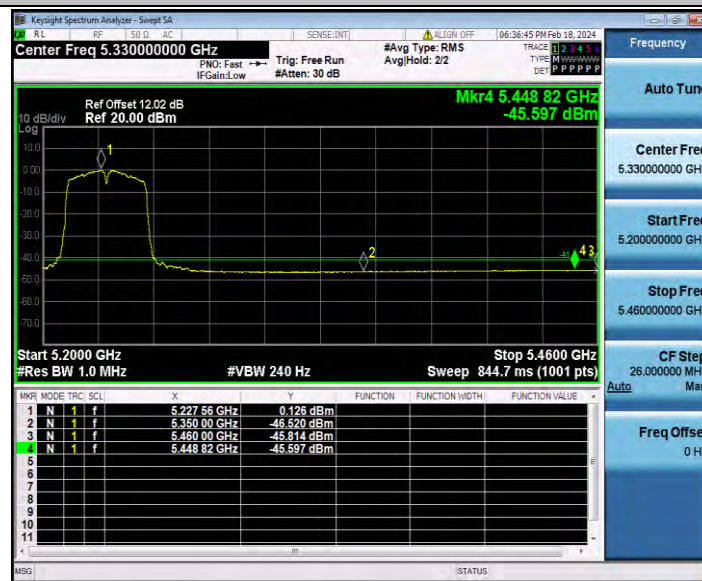
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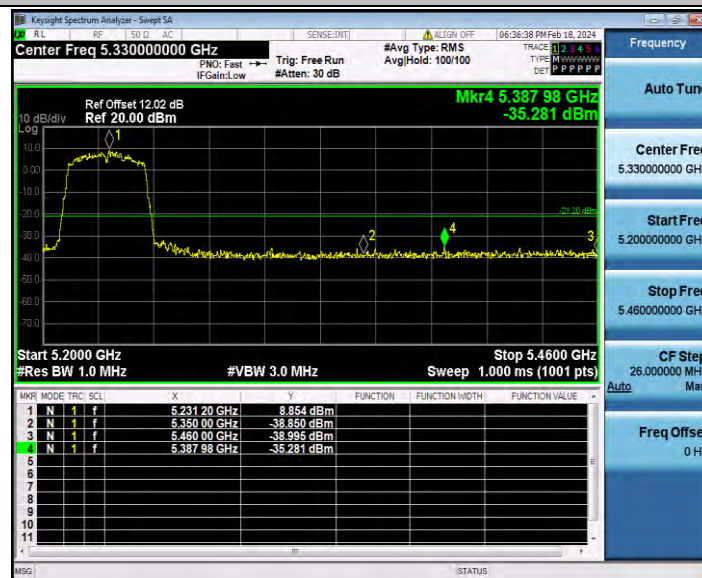
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11N40SISO_Ant1_High_5230_AV



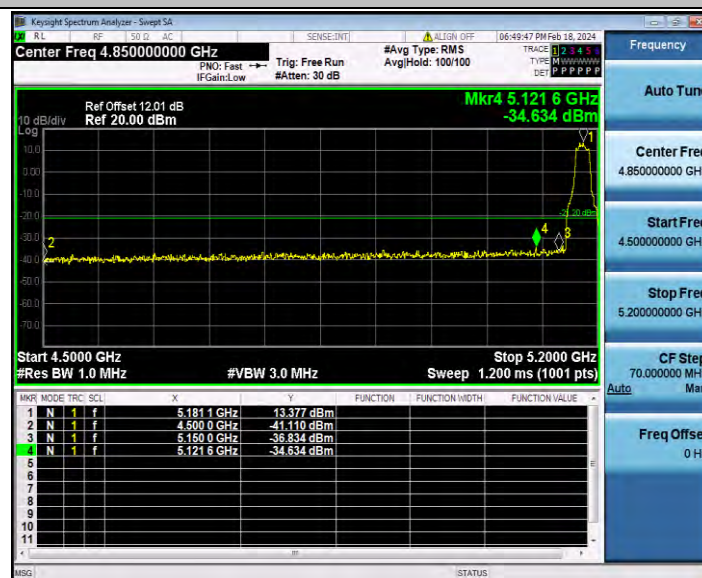
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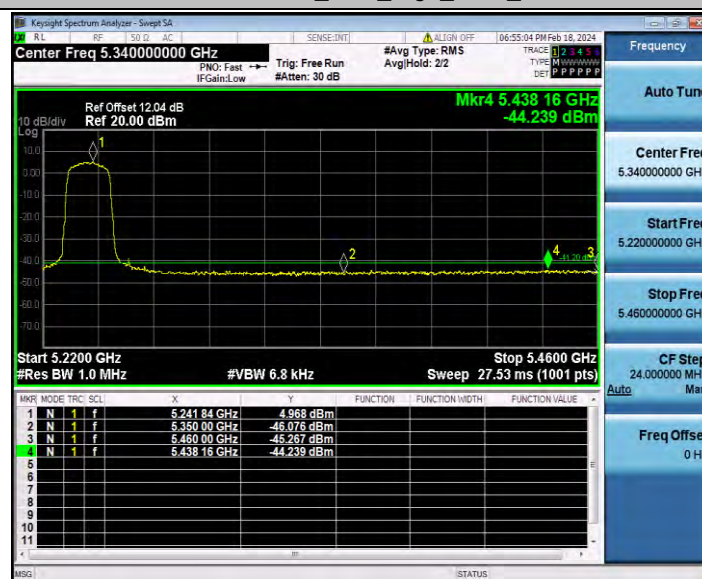
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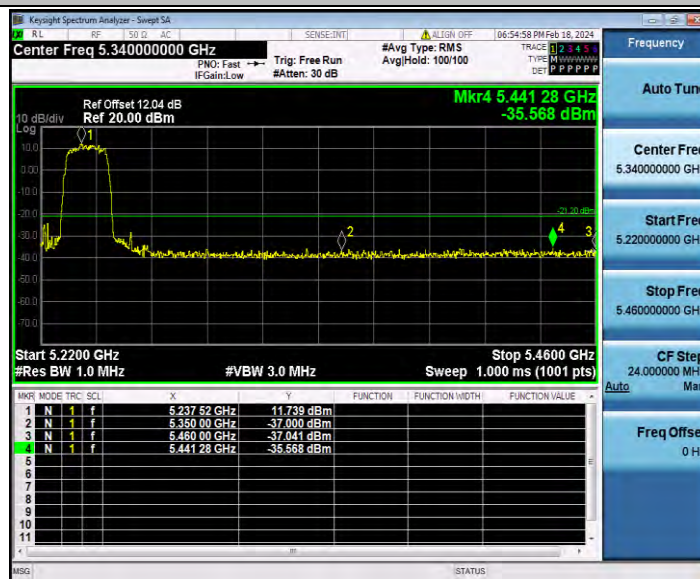
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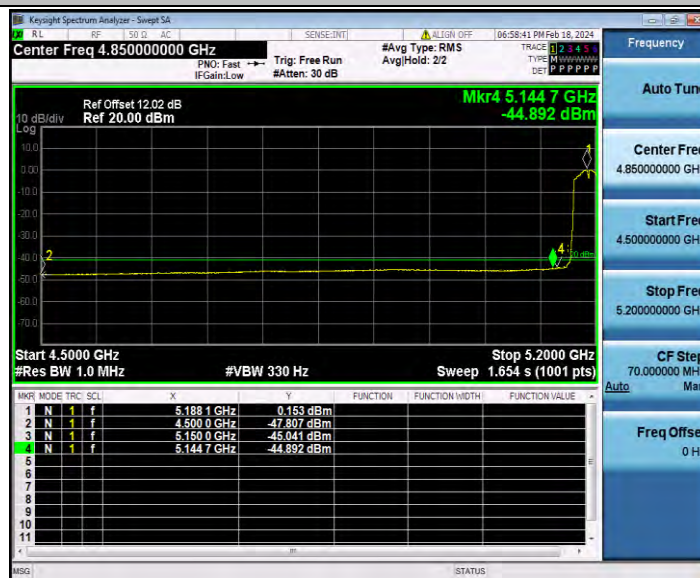
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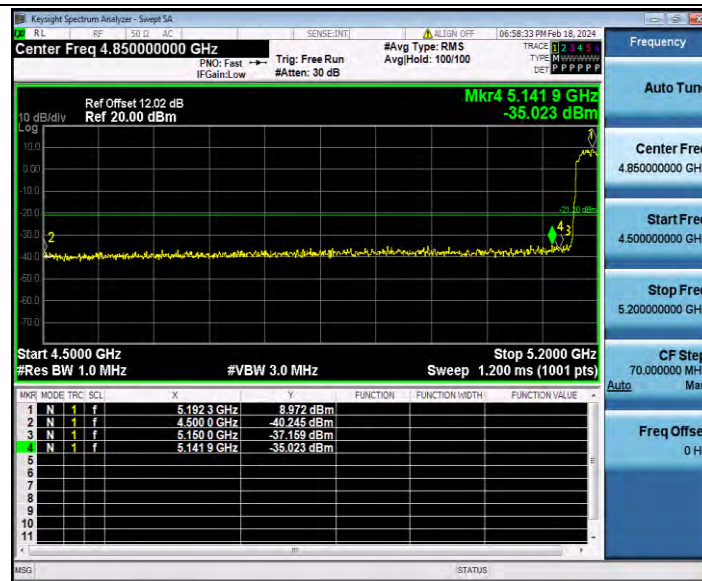
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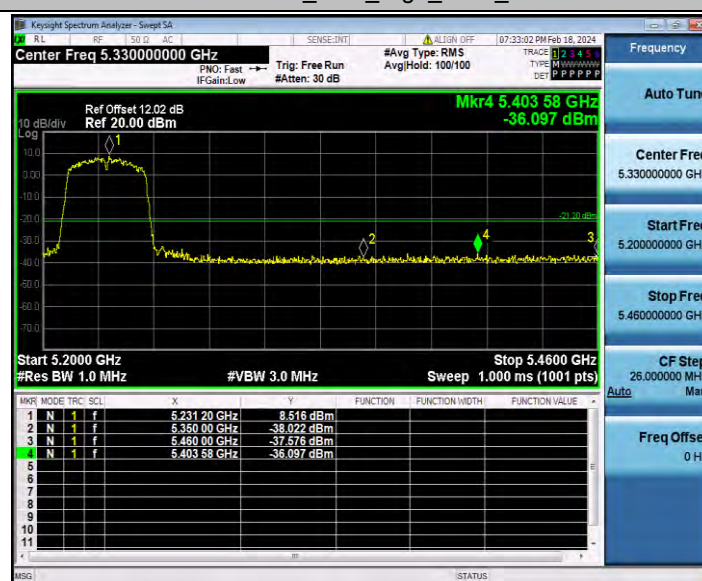
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11AC40SISO_Ant1_High_5230_AV



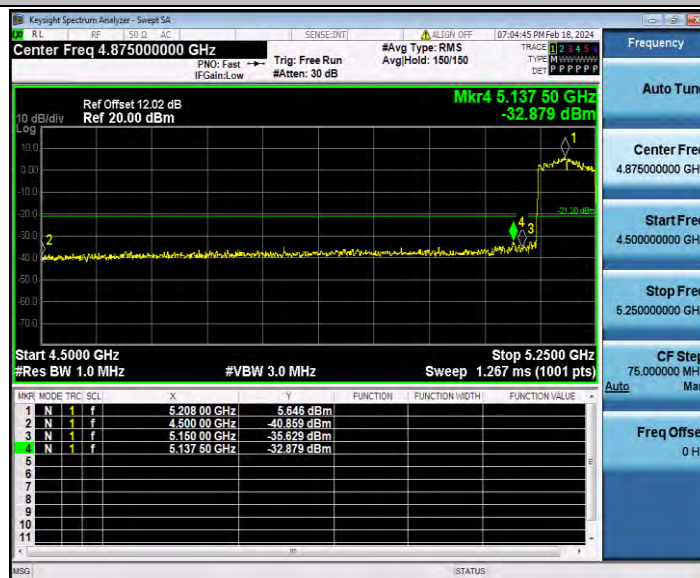
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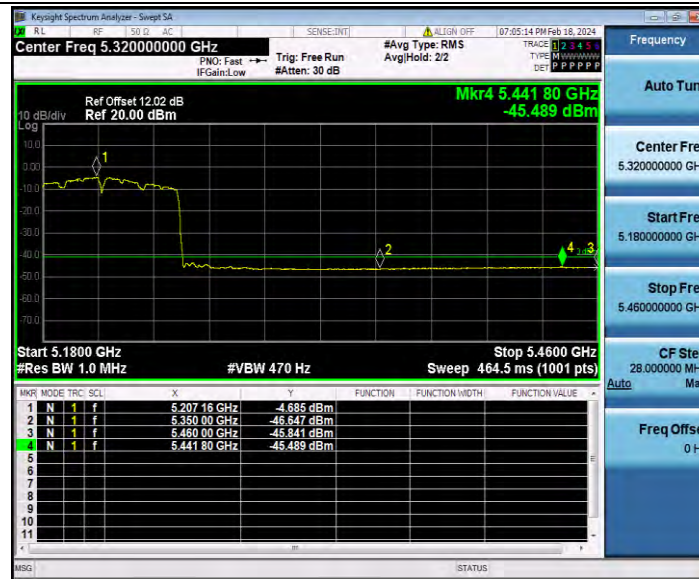
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11AC80SISO_Ant1_Low_5210_Peak



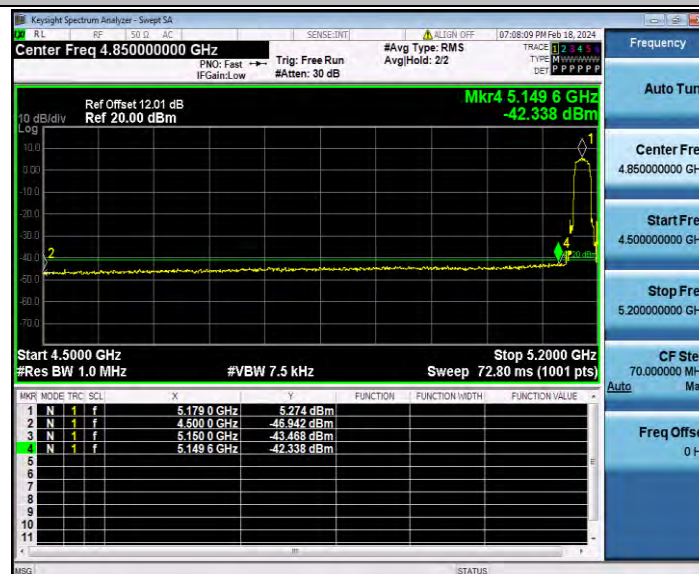
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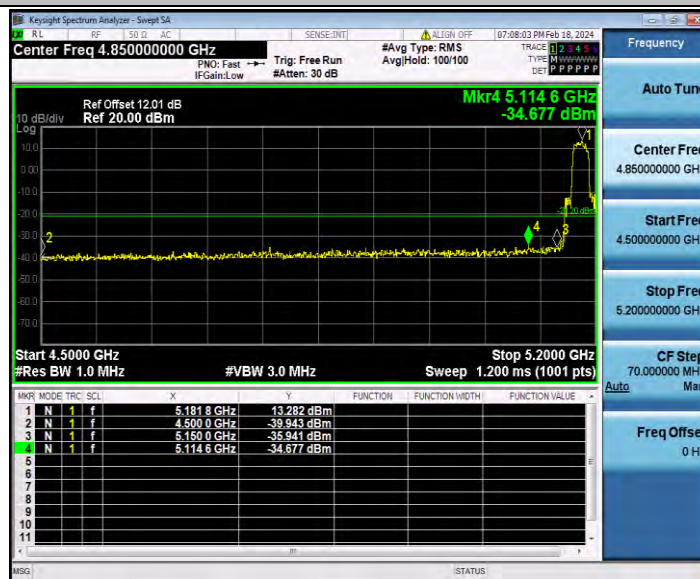
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11AX20SISO_Ant1_Low_5180_AV



11AX20SISO_Ant1_Low_5180_Peak



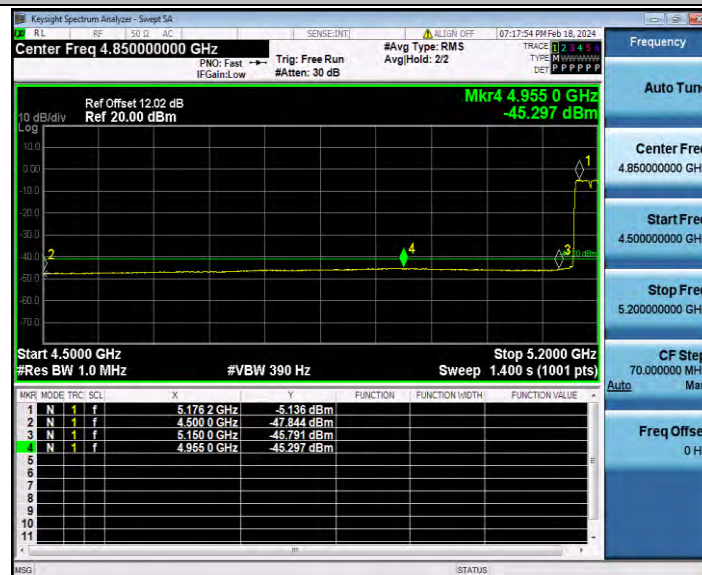
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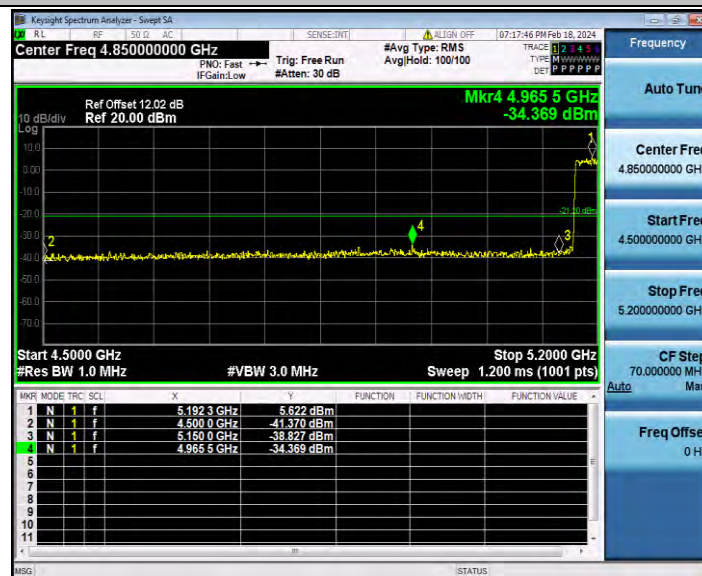
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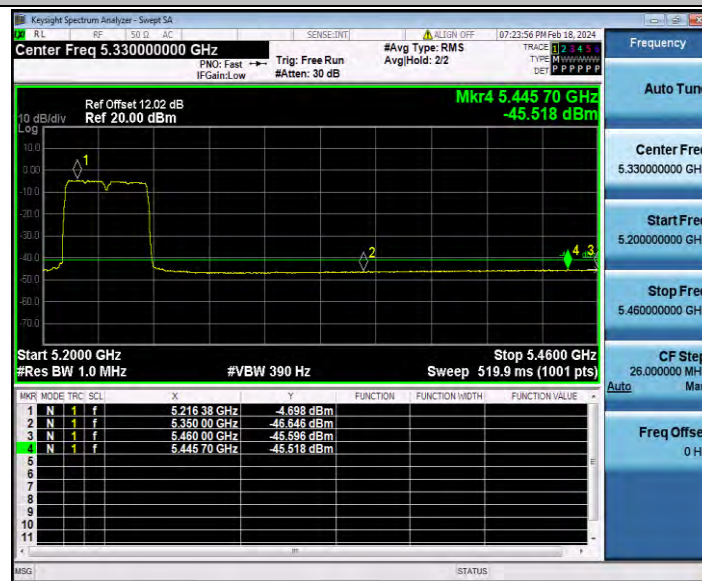
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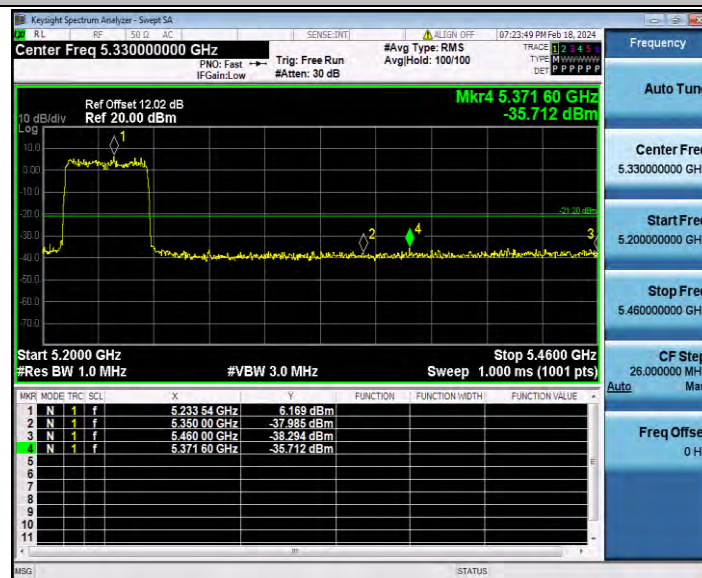
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11AX40SISO_Ant1_High_5230_AV



11AX40SISO_Ant1_High_5230_Peak



11AX80SISO_Ant1_Low_5210_AV



11AX80SISO_Ant1_Low_5210_Peak



11AX80SISO_Ant1_High_5210_AV

