

Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	2589.09	-43.16	≤-27	PASS
			5360~40000	10519.7	-34.22	≤-27	PASS
		5280	30~5140	5024.68	-45.84	≤-27	PASS
			5360~40000	10562.98	-31.22	≤-27	PASS
		5320	30~5140	5133.36	-45.99	≤-27	PASS
			5360~40000	10638	-29.36	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	5126.54	-44.01	≤-27	PASS
			5360~40000	10521.86	-34.54	≤-27	PASS
		5280	30~5140	5129.44	-42.89	≤-27	PASS
			5360~40000	10562.26	-28.54	≤-27	PASS
		5320	30~5140	2791.1	-47.01	≤-27	PASS
			5360~40000	24208.44	-37.61	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	5136.25	-45.85	≤-27	PASS
			5360~40000	26067.32	-36.89	≤-27	PASS
		5310	30~5140	4974.44	-46.17	≤-27	PASS
			5360~40000	10618.52	-33.36	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	5134.89	-42.26	≤-27	PASS
			5360~40000	23540.49	-35.3	≤-27	PASS
		5280	30~5140	5136.08	-45.51	≤-27	PASS
			5360~40000	10559.37	-30.83	≤-27	PASS
		5320	30~5140	2700.66	-45.69	≤-27	PASS
			5360~40000	10642.32	-29.27	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	4960.98	-45.11	≤-27	PASS
			5360~40000	10537.01	-36.8	≤-27	PASS
		5310	30~5140	5090.6	-46.23	≤-27	PASS
			5360~40000	10618.52	-32.91	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	5133.7	-46.58	≤-27	PASS
			5360~40000	10596.88	-35.28	≤-27	PASS
11AX20SISO	Ant1	5260	30~5140	5137.96	-43.98	≤-27	PASS
			5360~40000	10518.98	-35.04	≤-27	PASS
		5280	30~5140	5126.03	-45.59	≤-27	PASS
			5360~40000	10556.49	-31.49	≤-27	PASS
		5320	30~5140	4947.35	-46.2	≤-27	PASS
			5360~40000	26904.06	-37.48	≤-27	PASS
11AX40SISO	Ant1	5270	30~5140	4951.27	-46.13	≤-27	PASS
			5360~40000	25001.19	-37.31	≤-27	PASS

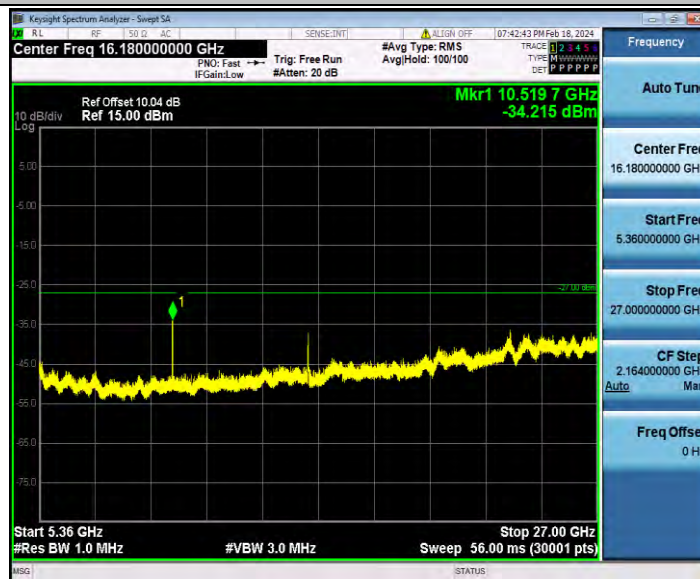
		5310	30~5140	4915.67	-46.76	≤ -27	PASS
			5360~40000	10617.08	-34.3	≤ -27	PASS
11AX80SISO	Ant1	5290	30~5140	5134.21	-45.93	≤ -27	PASS
			5360~40000	5362.89	-36.67	≤ -27	PASS

Test Graphs

11A_Ant1_5260_30~5140



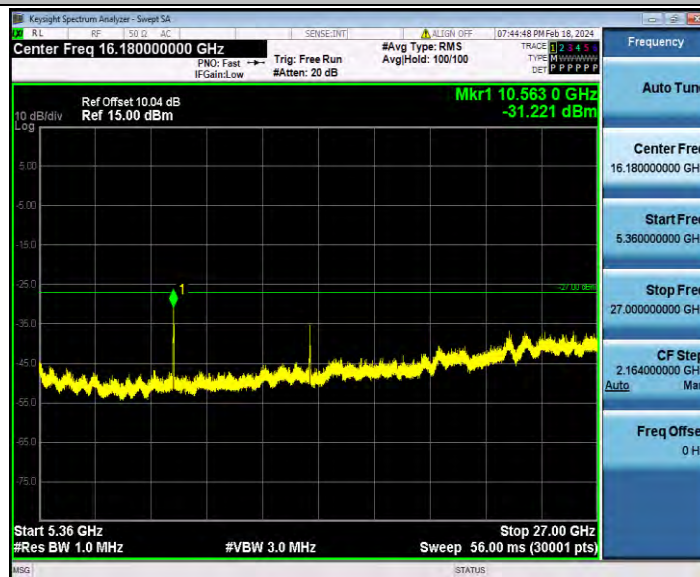
11A_Ant1_5260_5360~40000



11A_Ant1_5280_30~5140



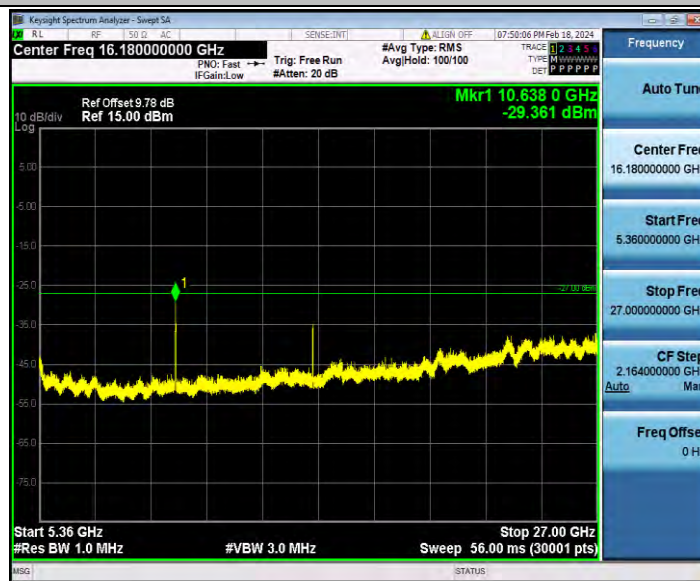
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11A_Ant1_5320_30~5140



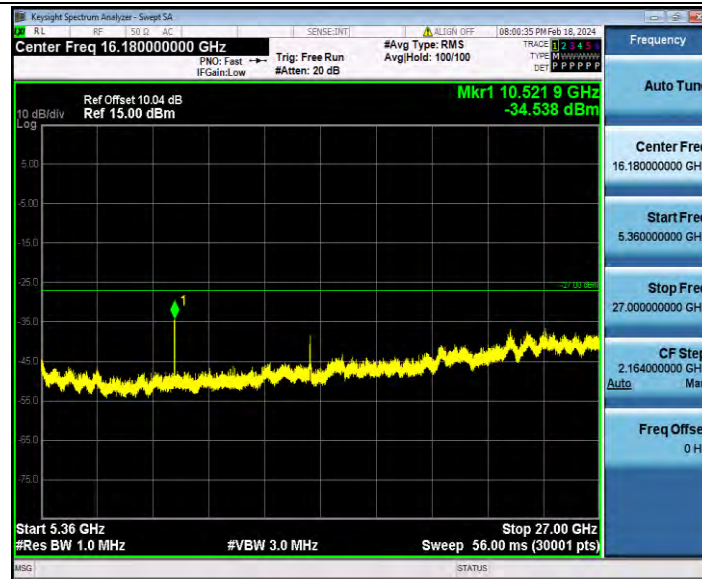
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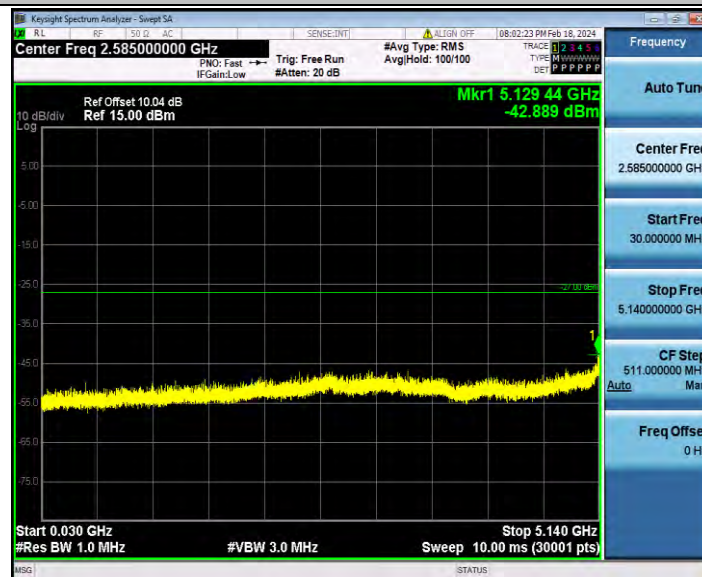
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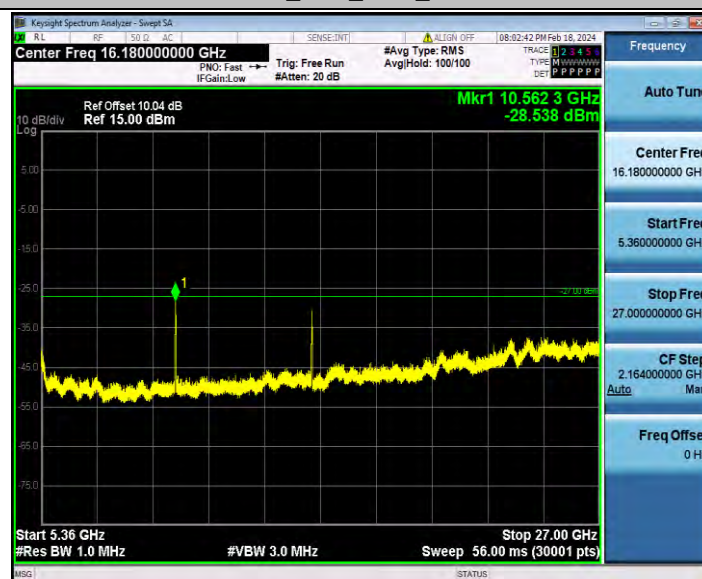
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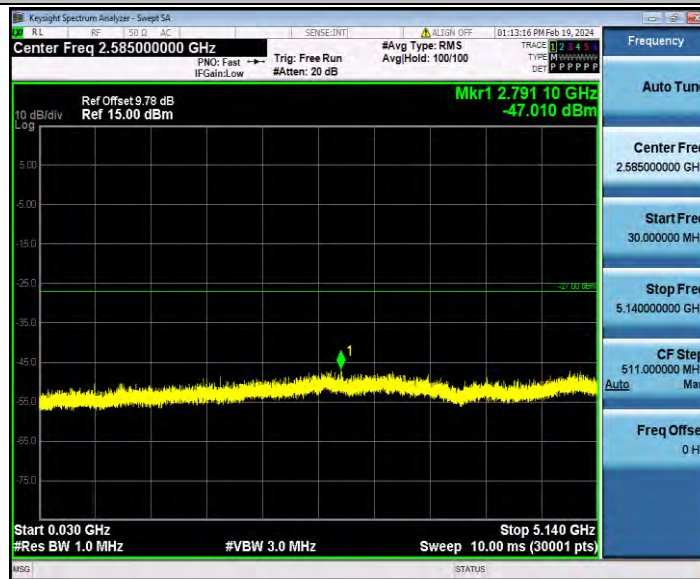
11N20SISO_Ant1_5280_30~5140



11N20SISO_Ant1_5280_5360~40000



11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~40000



11N40SISO_Ant1_5270_30~5140



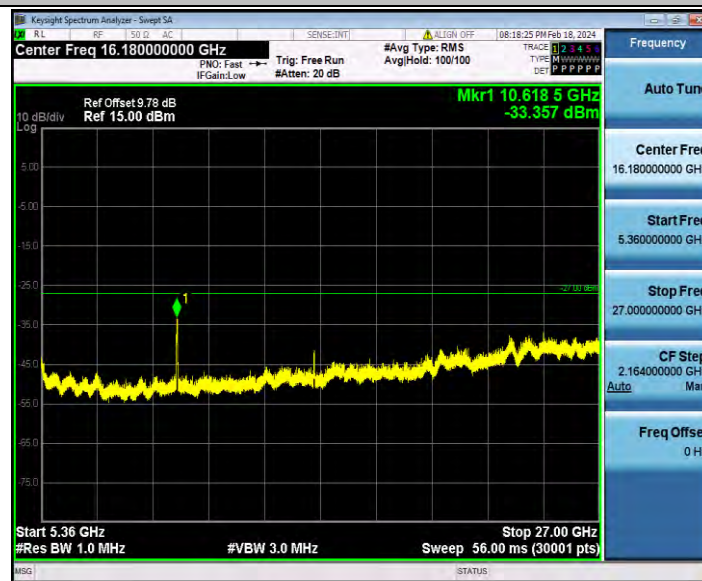
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11N40SISO_Ant1_5310_30~5140



11N40SISO_Ant1_5310_5360~40000



11AC20SISO_Ant1_5260_30~5140



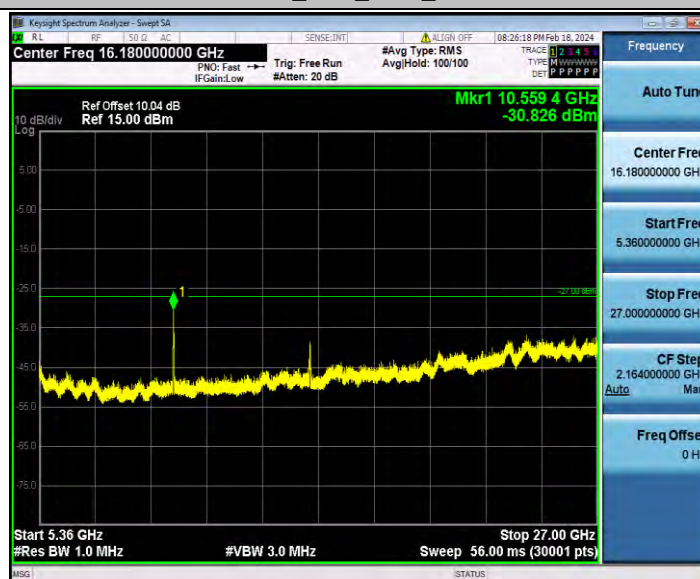
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11AC20SISO_Ant1_5280_30~5140



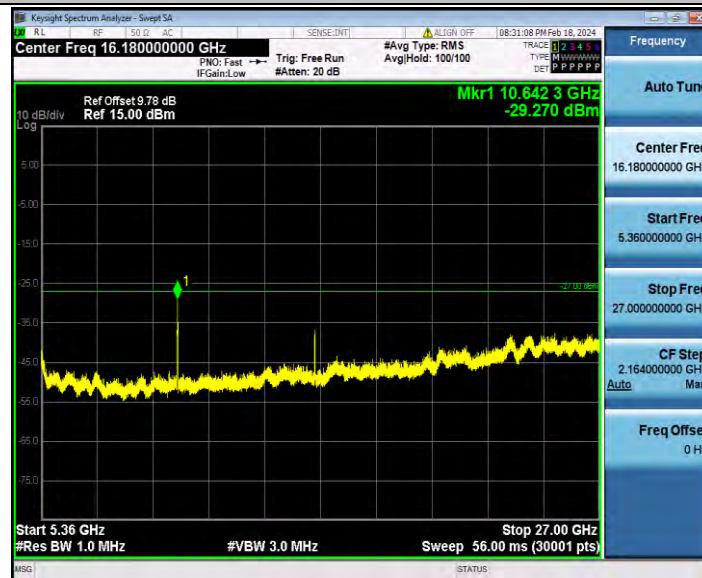
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11AC20SISO_Ant1_5320_30~5140



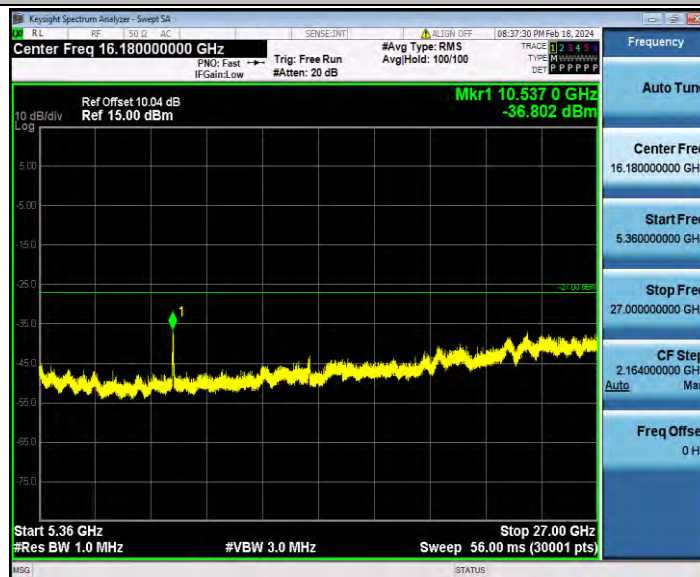
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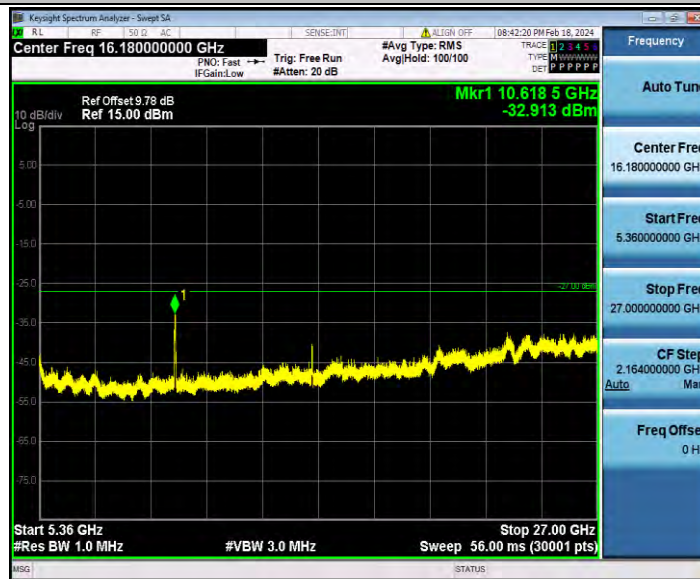
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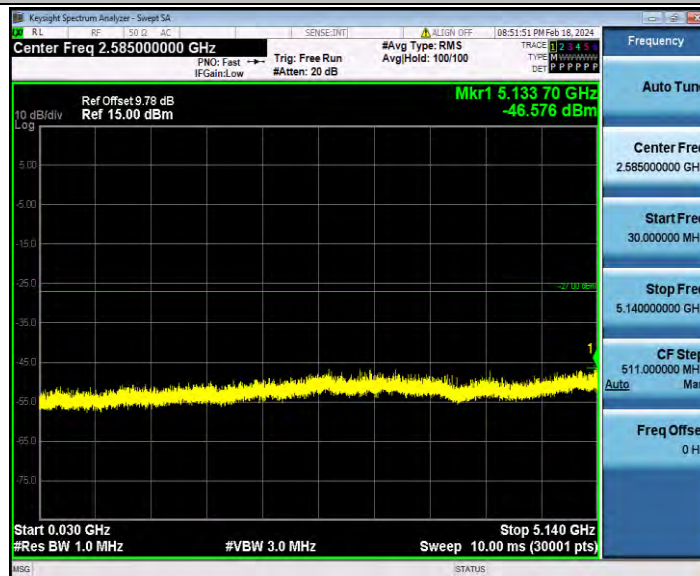
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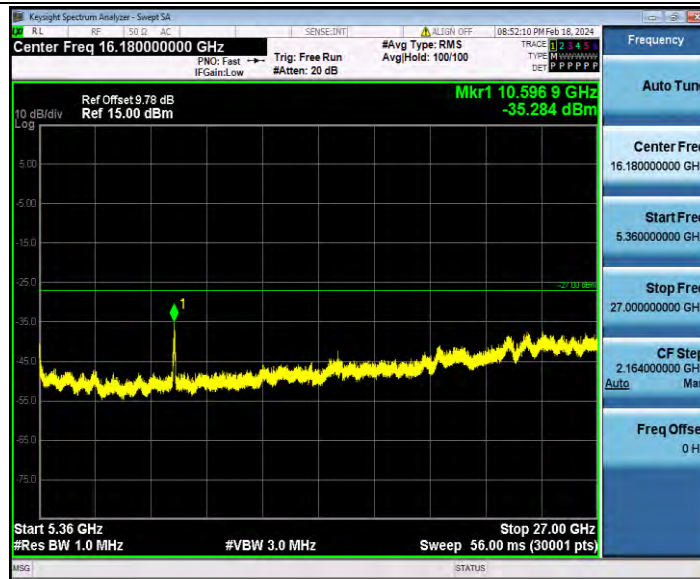
11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



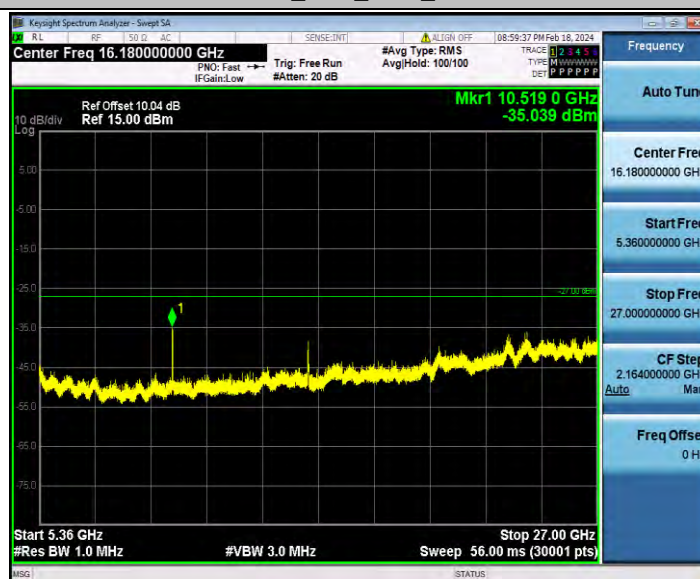
11AC80SISO_Ant1_5290_5360~40000



11AX20SISO_Ant1_5260_30~5140



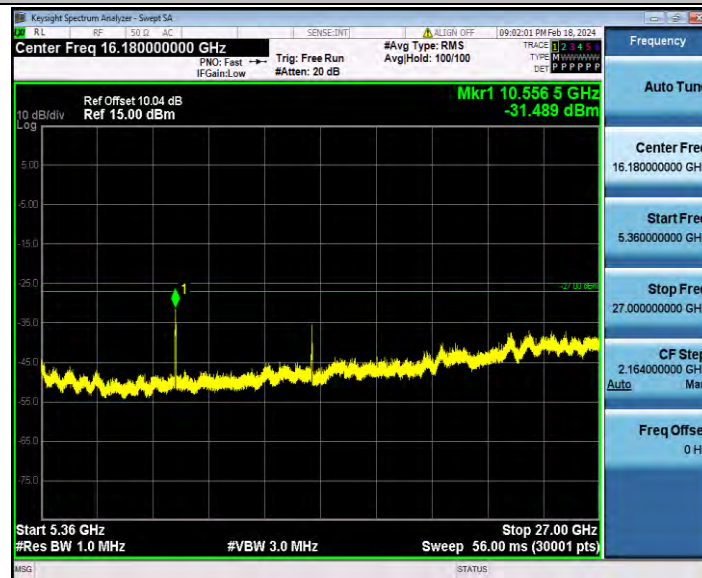
11AX20SISO_Ant1_5260_5360~40000



11AX20SISO_Ant1_5280_30~5140



11AX20SISO_Ant1_5280_5360~40000



11AX20SISO_Ant1_5320_30~5140



11AX20SISO_Ant1_5320_5360~40000



11AX40SISO_Ant1_5270_30~5140



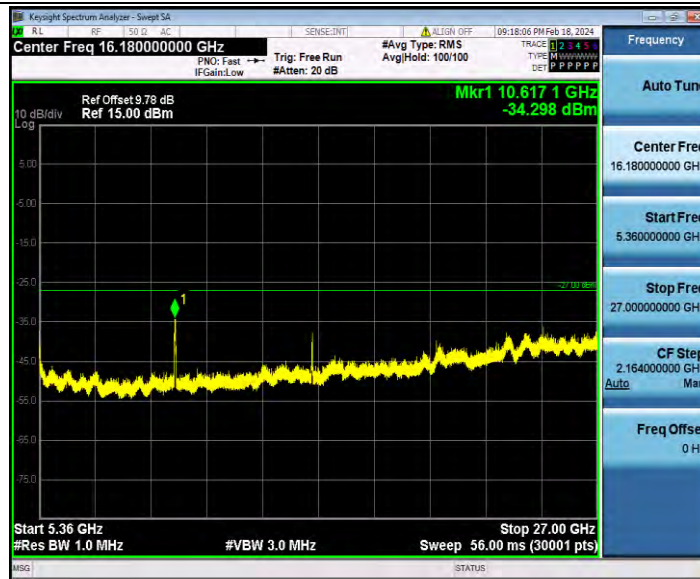
11AX40SISO_Ant1_5270_5360~40000



11AX40SISO_Ant1_5310_30~5140



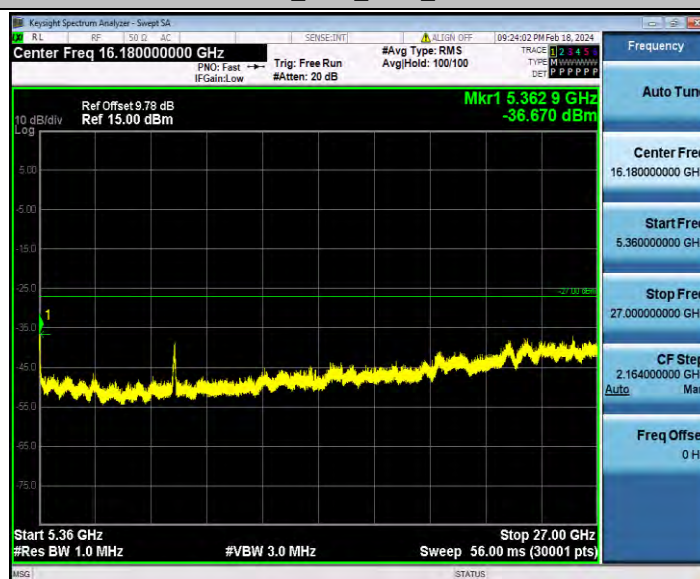
11AX40SISO_Ant1_5310_5360~40000



11AX80SISO_Ant1_5290_30~5140



11AX80SISO_Ant1_5290_5360~40000



Appendix E.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	5260	AV	4500.000	-47.92	≤-41.20	47.28	≤54	PASS
				AV	4948.000	-45.63	≤-41.20	49.57	≤54	PASS
				AV	5150.000	-46.36	≤-41.20	48.84	≤54	PASS
				Peak	4500.000	-44.78	≤-21.20	50.42	≤74	PASS
				Peak	5134.400	-36.69	≤-21.20	58.51	≤74	PASS
				Peak	5150.000	-44.42	≤-21.20	50.78	≤74	PASS
		High	5320	AV	5350.000	-45.88	≤-41.20	49.32	≤54	PASS
				AV	5350.400	-45.88	≤-41.20	49.32	≤54	PASS
				AV	5460.000	-46.18	≤-41.20	49.02	≤54	PASS
				Peak	5350.000	-44.77	≤-21.20	50.43	≤74	PASS
				Peak	5425.600	-38.33	≤-21.20	56.87	≤74	PASS
				Peak	5460.000	-44.63	≤-21.20	50.57	≤74	PASS
11N20SIS O	Ant1	Low	5260	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4942.400	-45.62	≤-41.20	49.58	≤54	PASS
				AV	5150.000	-46.23	≤-41.20	48.97	≤54	PASS
				Peak	4500.000	-45.7	≤-21.20	49.50	≤74	PASS
				Peak	4947.200	-37.05	≤-21.20	58.15	≤74	PASS
				Peak	5150.000	-39.32	≤-21.20	55.88	≤74	PASS
		High	5320	AV	5350.000	-44.21	≤-41.20	50.99	≤54	PASS
				AV	5350.400	-44.21	≤-41.20	50.99	≤54	PASS
				AV	5460.000	-46.58	≤-41.20	48.62	≤54	PASS
				Peak	5350.000	-37.92	≤-21.20	57.28	≤74	PASS
				Peak	5351.200	-36.07	≤-21.20	59.13	≤74	PASS
				Peak	5460.000	-45.09	≤-21.20	50.11	≤74	PASS
11N40SIS O	Ant1	Low	5270	AV	4500.000	-47.96	≤-41.20	47.24	≤54	PASS
				AV	4945.560	-45.65	≤-41.20	49.55	≤54	PASS
				AV	5150.000	-46.57	≤-41.20	48.63	≤54	PASS
				Peak	4500.000	-46.31	≤-21.20	48.89	≤74	PASS
				Peak	4963.730	-37.58	≤-21.20	57.62	≤74	PASS
				Peak	5150.000	-40.57	≤-21.20	54.63	≤74	PASS
		High	5310	AV	5350.000	-45.74	≤-41.20	49.46	≤54	PASS
				AV	5354.000	-45.63	≤-41.20	49.57	≤54	PASS
				AV	5460.000	-46.3	≤-41.20	48.90	≤54	PASS
				Peak	5350.000	-45.44	≤-21.20	49.76	≤74	PASS
				Peak	5446.000	-37.48	≤-21.20	57.72	≤74	PASS
				Peak	5460.000	-43.34	≤-21.20	51.86	≤74	PASS
11AC20SI	Ant1	Low	5260	AV	4500.000	-47.94	≤-41.20	47.26	≤54	PASS

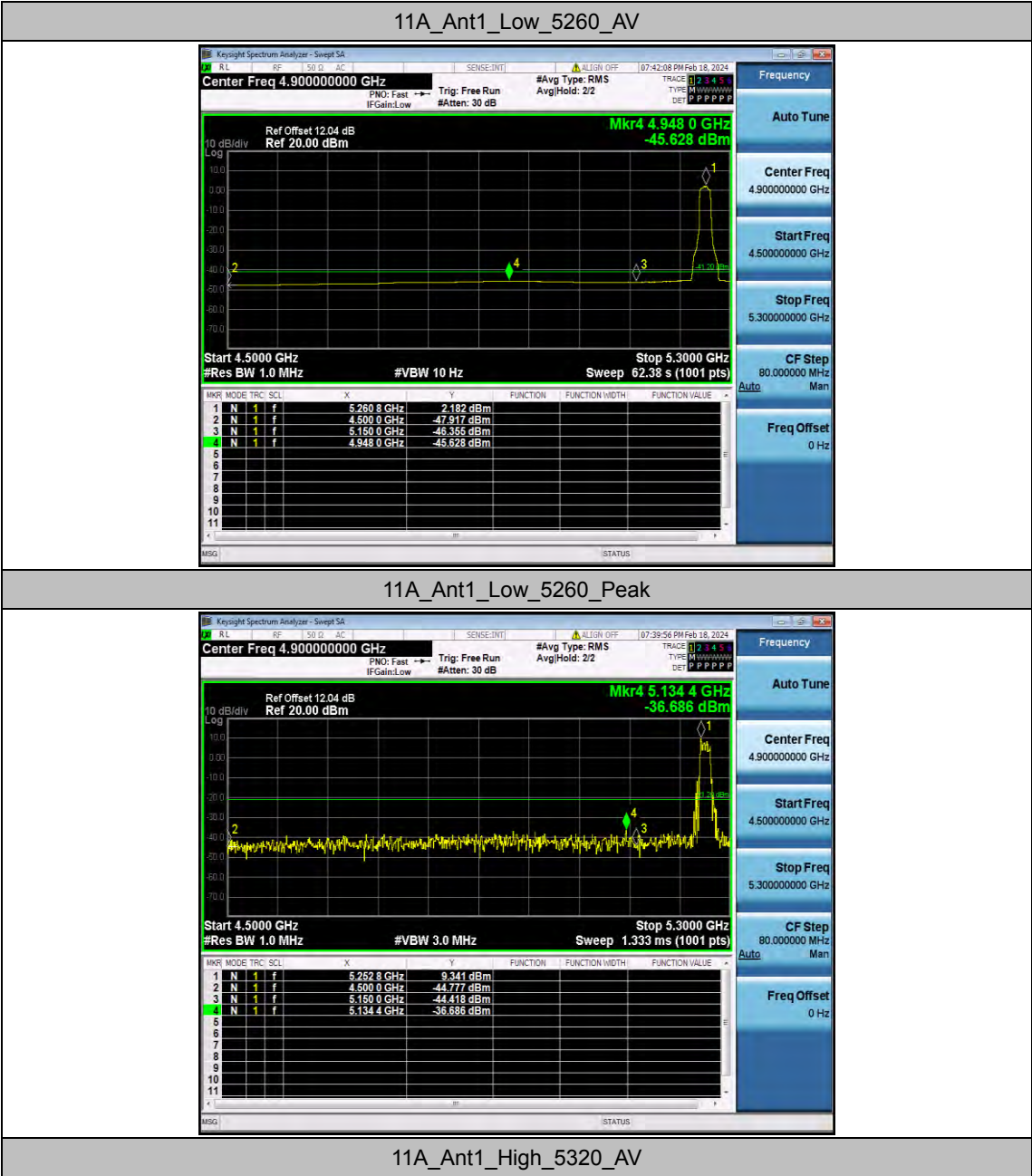
SO				AV	4944.000	-45.65	≤-41.20	49.55	≤54	PASS
				AV	5150.000	-46.37	≤-41.20	48.83	≤54	PASS
				Peak	4500.000	-43.73	≤-21.20	51.47	≤74	PASS
				Peak	4715.200	-36.23	≤-21.20	58.97	≤74	PASS
				Peak	5150.000	-40.71	≤-21.20	54.49	≤74	PASS
		High	5320	AV	5350.000	-45.9	≤-41.20	49.30	≤54	PASS
				AV	5350.400	-45.9	≤-41.20	49.30	≤54	PASS
				AV	5460.000	-46.19	≤-41.20	49.01	≤54	PASS
				Peak	5350.000	-46.68	≤-21.20	48.52	≤74	PASS
				Peak	5444.800	-38.5	≤-21.20	56.70	≤74	PASS
				Peak	5460.000	-44.19	≤-21.20	51.01	≤74	PASS
11AC40SI SO	Ant1	Low	5270	AV	4500.000	-47.94	≤-41.20	47.26	≤54	PASS
				AV	4943.190	-45.66	≤-41.20	49.54	≤54	PASS
				AV	5150.000	-46.57	≤-41.20	48.63	≤54	PASS
				Peak	4500.000	-44.64	≤-21.20	50.56	≤74	PASS
				Peak	4996.120	-37.91	≤-21.20	57.29	≤74	PASS
				Peak	5150.000	-44.5	≤-21.20	50.70	≤74	PASS
		High	5310	AV	5350.000	-45.7	≤-41.20	49.50	≤54	PASS
				AV	5460.000	-46.27	≤-41.20	48.93	≤54	PASS
				Peak	5350.000	-43.34	≤-21.20	51.86	≤74	PASS
				Peak	5358.000	-36.85	≤-21.20	58.35	≤74	PASS
				Peak	5460.000	-40.96	≤-21.20	54.24	≤74	PASS
11AC80SI SO	Ant1	Low	5290	AV	4500.000	-48.19	≤-41.20	47.01	≤54	PASS
				AV	4944.405	-45.91	≤-41.20	49.29	≤54	PASS
				AV	5150.000	-47.22	≤-41.20	47.98	≤54	PASS
				Peak	4500.000	-45.66	≤-21.20	49.54	≤74	PASS
				Peak	4912.605	-37.81	≤-21.20	57.39	≤74	PASS
				Peak	5150.000	-42.05	≤-21.20	53.15	≤74	PASS
		High	5290	AV	5350.000	-45.86	≤-41.20	49.34	≤54	PASS
				AV	5353.600	-45.23	≤-41.20	49.97	≤54	PASS
				AV	5460.000	-46.42	≤-41.20	48.78	≤54	PASS
				Peak	5350.000	-45.9	≤-21.20	49.30	≤74	PASS
				Peak	5353.000	-36.63	≤-21.20	58.57	≤74	PASS
				Peak	5460.000	-45.9	≤-21.20	49.30	≤74	PASS
11AX20SI SO	Ant1	Low	5260	AV	4500.000	-47.93	≤-41.20	47.27	≤54	PASS
				AV	4944.800	-45.62	≤-41.20	49.58	≤54	PASS
				AV	5150.000	-46.42	≤-41.20	48.78	≤54	PASS
				Peak	4500.000	-42.99	≤-21.20	52.21	≤74	PASS
				Peak	4741.600	-37.35	≤-21.20	57.85	≤74	PASS
				Peak	5150.000	-37.71	≤-21.20	57.49	≤74	PASS
		High	5320	AV	5350.000	-45.69	≤-41.20	49.51	≤54	PASS
				AV	5350.400	-45.69	≤-41.20	49.51	≤54	PASS
				AV	5460.000	-46.18	≤-41.20	49.02	≤54	PASS

				Peak	5350.000	-43.66	≤ -21.20	51.54	≤ 74	PASS
				Peak	5383.200	-38.03	≤ -21.20	57.17	≤ 74	PASS
				Peak	5460.000	-44.31	≤ -21.20	50.89	≤ 74	PASS
11AX40SI SO	Ant1	Low	5270	AV	4500.000	-47.95	≤ -41.20	47.25	≤ 54	PASS
				AV	4943.190	-45.66	≤ -41.20	49.54	≤ 54	PASS
				AV	5150.000	-46.92	≤ -41.20	48.28	≤ 54	PASS
				Peak	4500.000	-45.06	≤ -21.20	50.14	≤ 74	PASS
				Peak	4545.030	-36.95	≤ -21.20	58.25	≤ 74	PASS
				Peak	5150.000	-45.06	≤ -21.20	50.14	≤ 74	PASS
		High	5310	AV	5350.000	-44.05	≤ -41.20	51.15	≤ 54	PASS
				AV	5350.800	-44.02	≤ -41.20	51.18	≤ 54	PASS
				AV	5460.000	-46.35	≤ -41.20	48.85	≤ 54	PASS
				Peak	5350.000	-45.01	≤ -21.20	50.19	≤ 74	PASS
				Peak	5366.800	-37.82	≤ -21.20	57.38	≤ 74	PASS
				Peak	5460.000	-44.47	≤ -21.20	50.73	≤ 74	PASS
11AX80SI SO	Ant1	Low	5290	AV	4500.000	-48.21	≤ -41.20	46.99	≤ 54	PASS
				AV	4943.610	-45.91	≤ -41.20	49.29	≤ 54	PASS
				AV	5150.000	-47.11	≤ -41.20	48.09	≤ 54	PASS
				Peak	4500.000	-45.19	≤ -21.20	50.01	≤ 74	PASS
				Peak	5046.960	-38.12	≤ -21.20	57.08	≤ 74	PASS
				Peak	5150.000	-45.11	≤ -21.20	50.09	≤ 74	PASS
		High	5290	AV	5350.000	-44.88	≤ -41.20	50.32	≤ 54	PASS
				AV	5362.400	-44.11	≤ -41.20	51.09	≤ 54	PASS
				AV	5460.000	-46.41	≤ -41.20	48.79	≤ 54	PASS
				Peak	5350.000	-35.84	≤ -21.20	59.36	≤ 74	PASS
				Peak	5460.000	-40.38	≤ -21.20	54.82	≤ 74	PASS

Note:

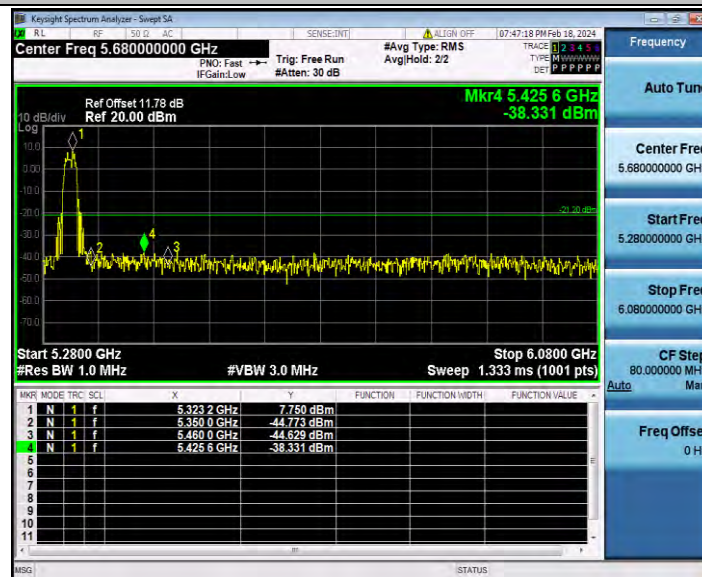
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs





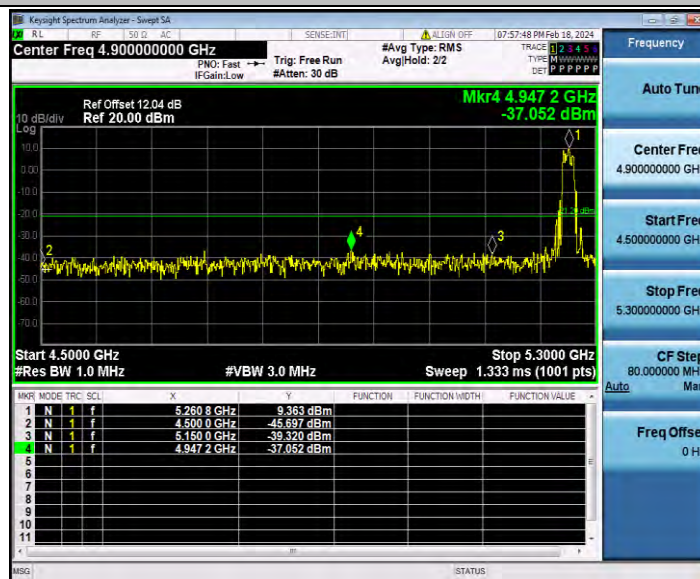
11A_Ant1_High_5320_Peak



11N20SISO_Ant1_Low_5260_AV



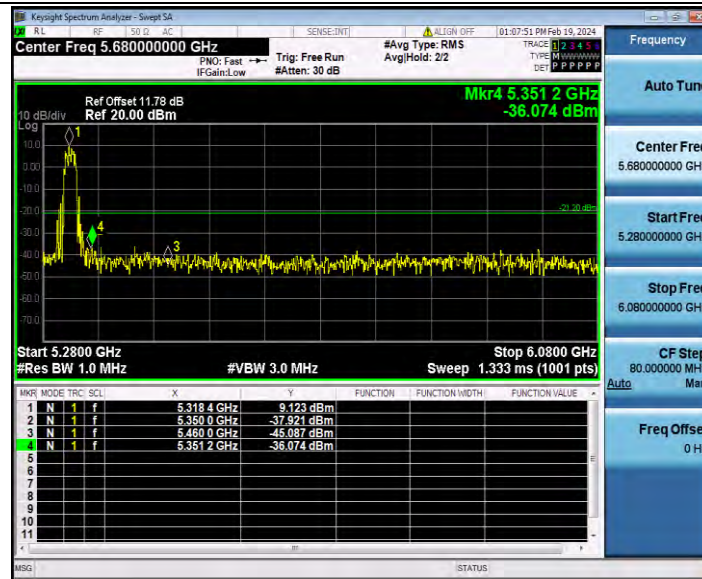
11N20SISO_Ant1_Low_5260_Peak



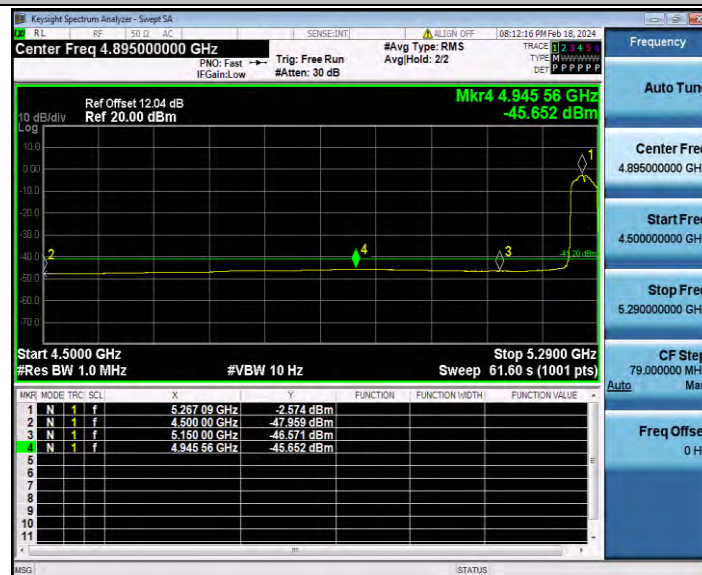
11N20SISO_Ant1_High_5320_AV



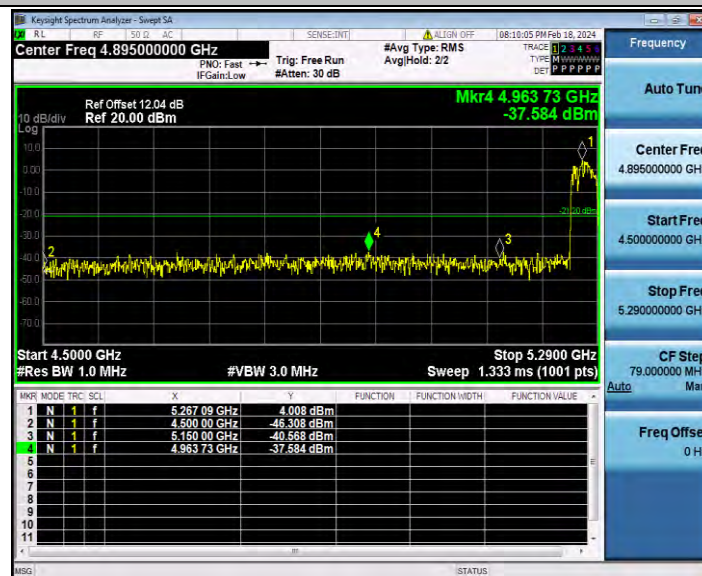
11N20SISO_Ant1_High_5320_Peak



11N40SISO_Ant1_Low_5270_AV



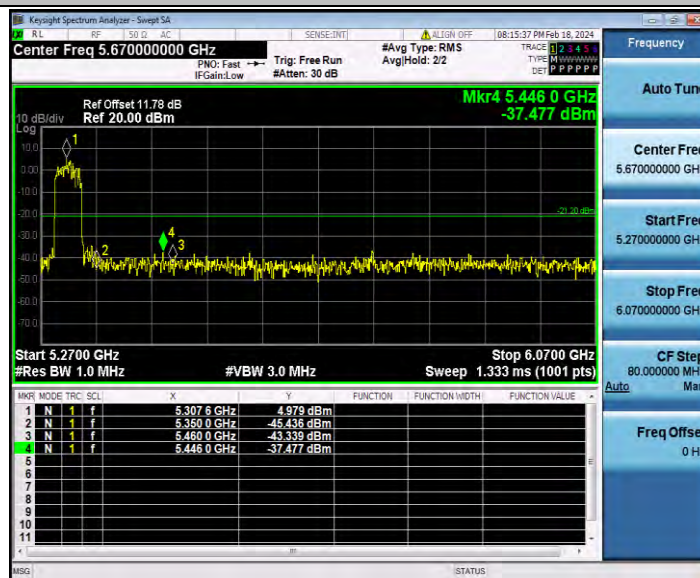
11N40SISO_Ant1_Low_5270_Peak



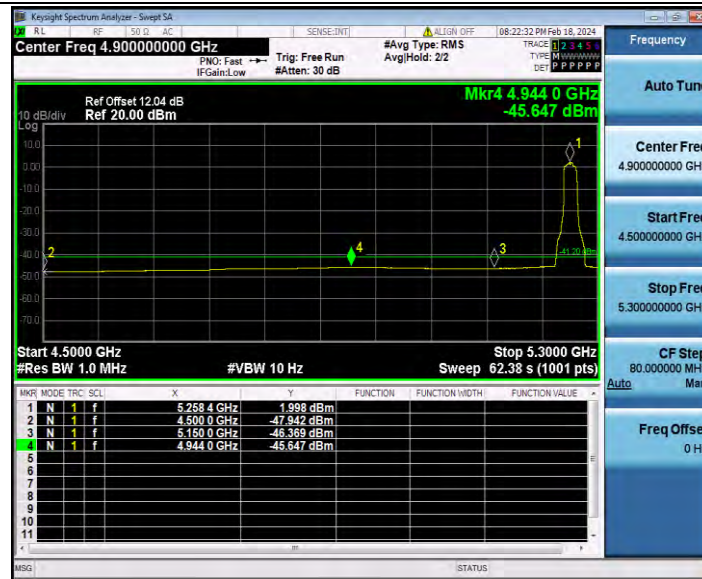
11N40SISO_Ant1_High_5310_AV



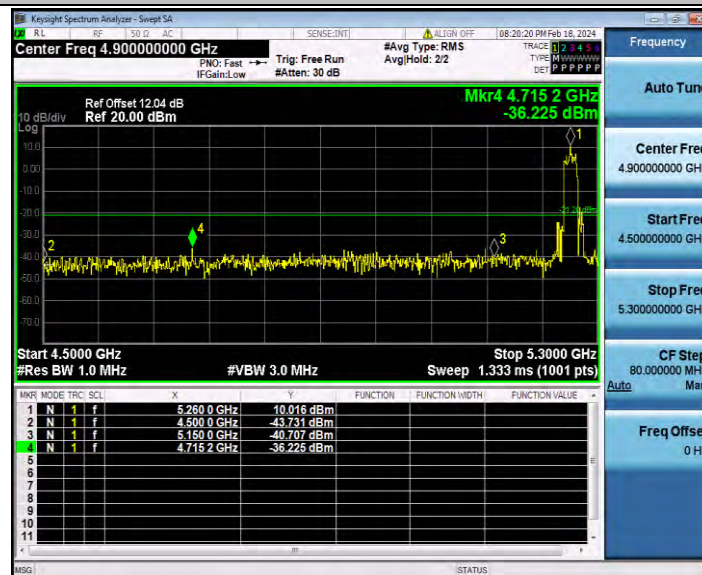
11N40SISO_Ant1_High_5310_Peak



11AC20SISO_Ant1_Low_5260_AV



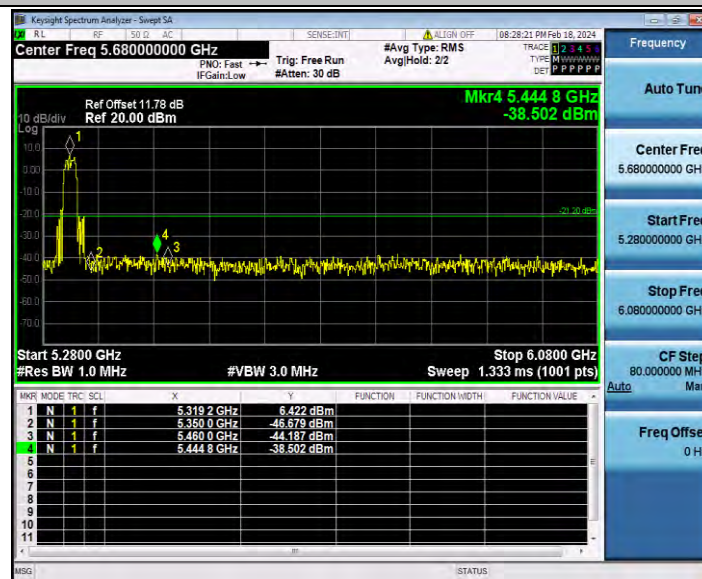
11AC20SISO_Ant1_Low_5260_Peak



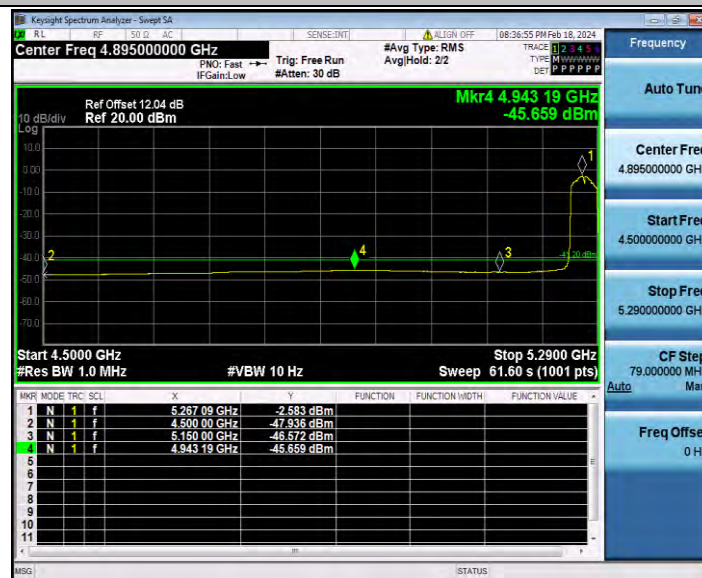
11AC20SISO_Ant1_High_5320_AV



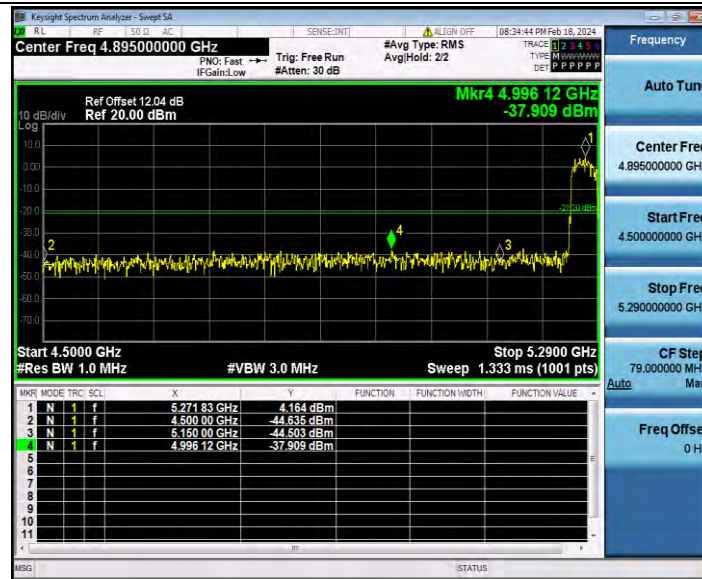
11AC20SISO_Ant1_High_5320_Peak



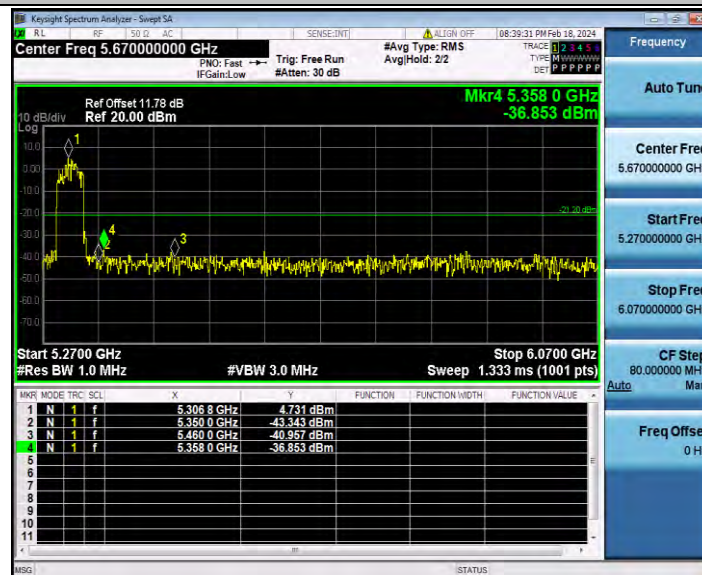
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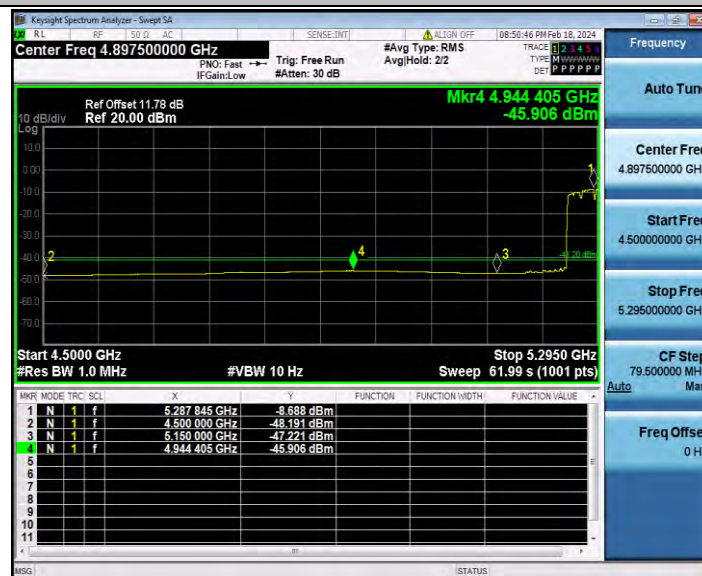
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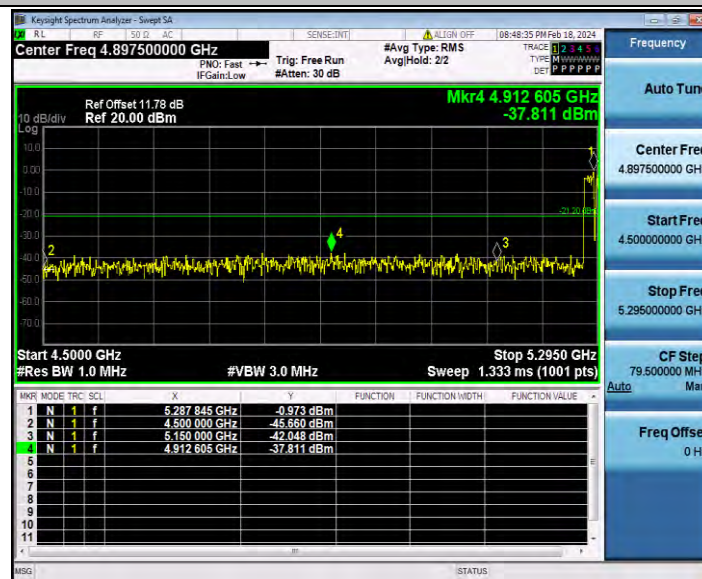
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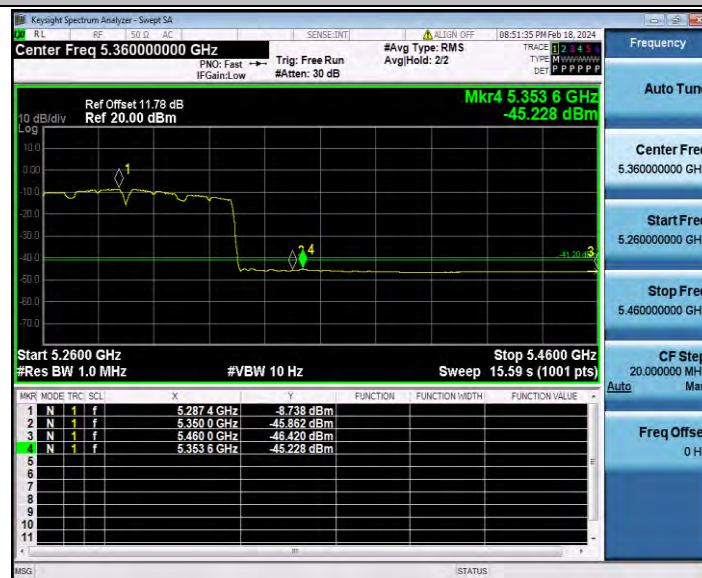
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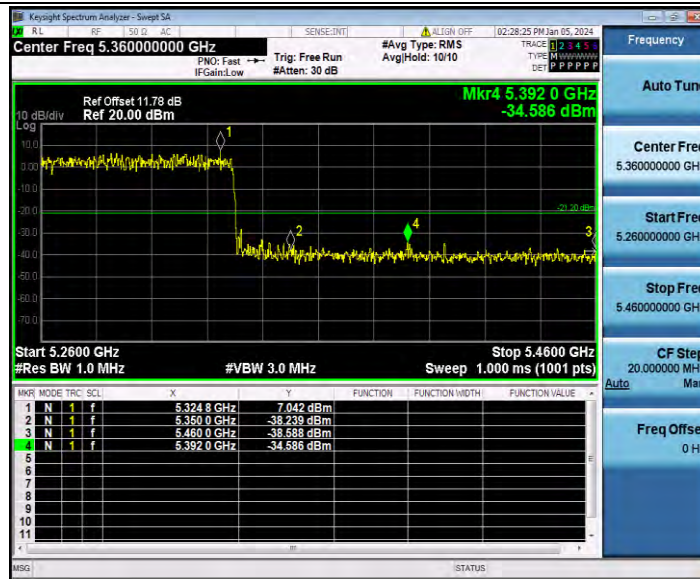
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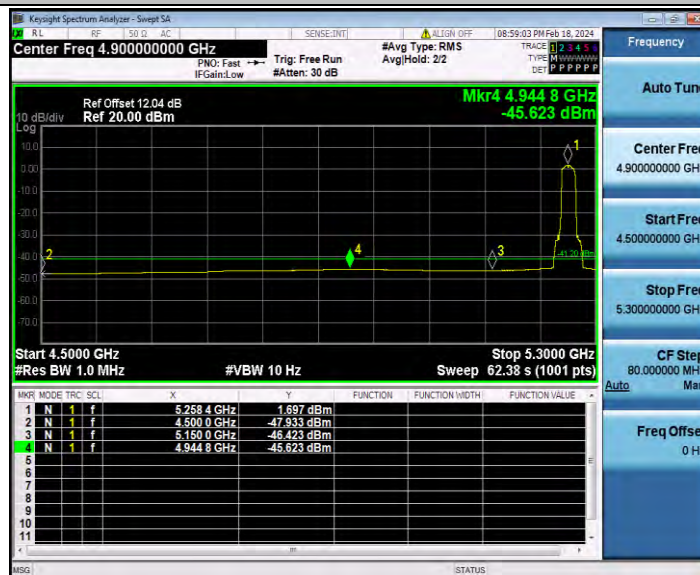
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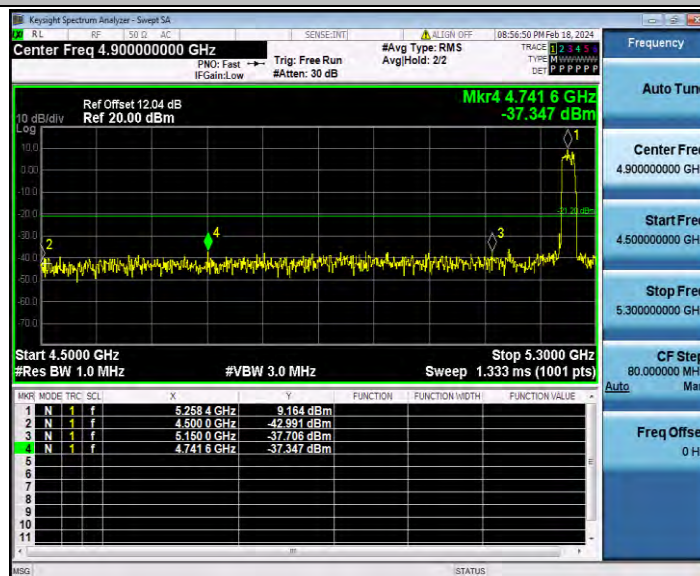
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11AX20SISO_Ant1_Low_5260_AV



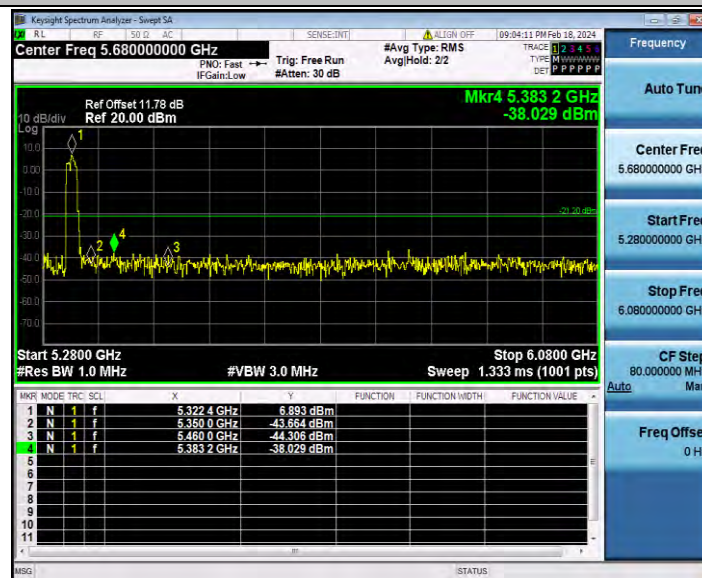
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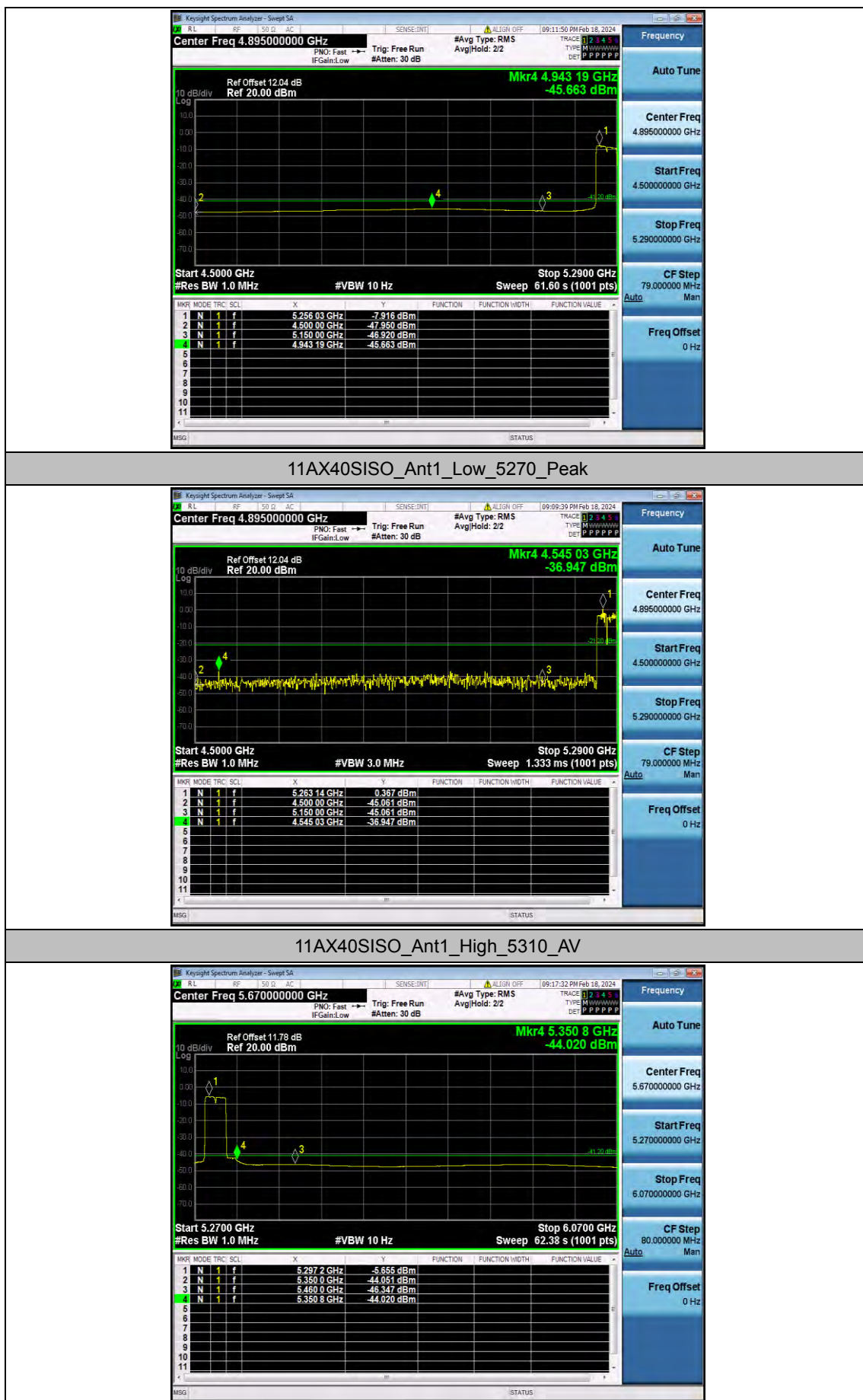
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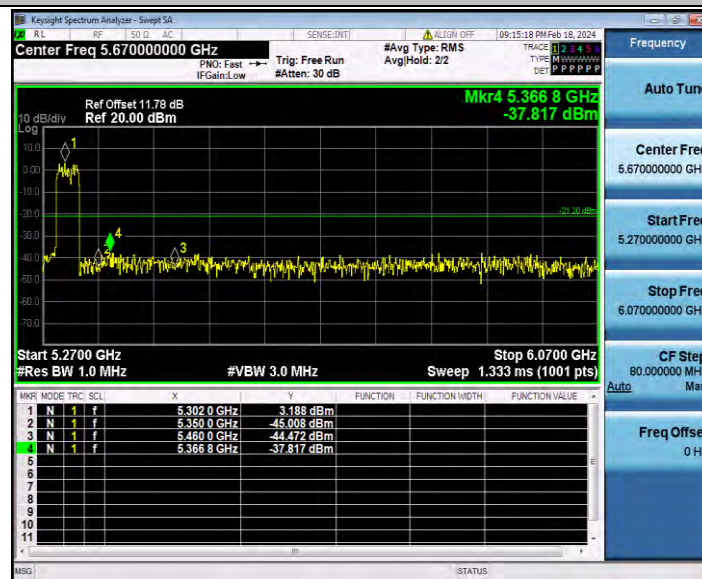
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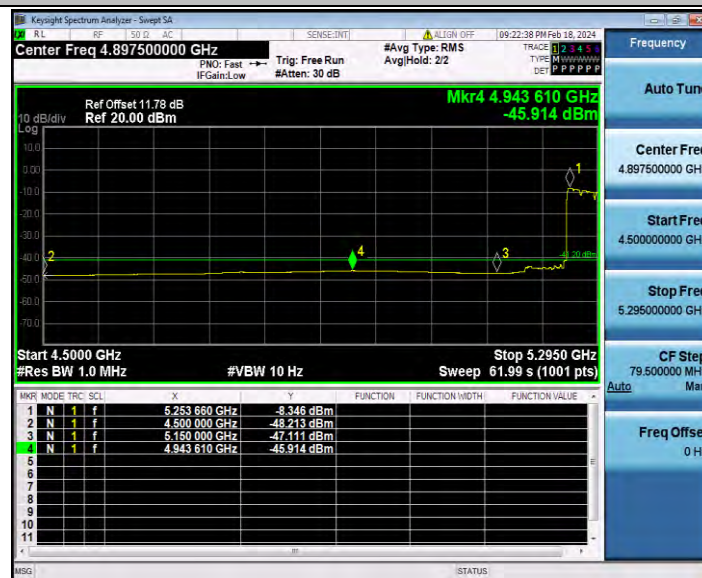
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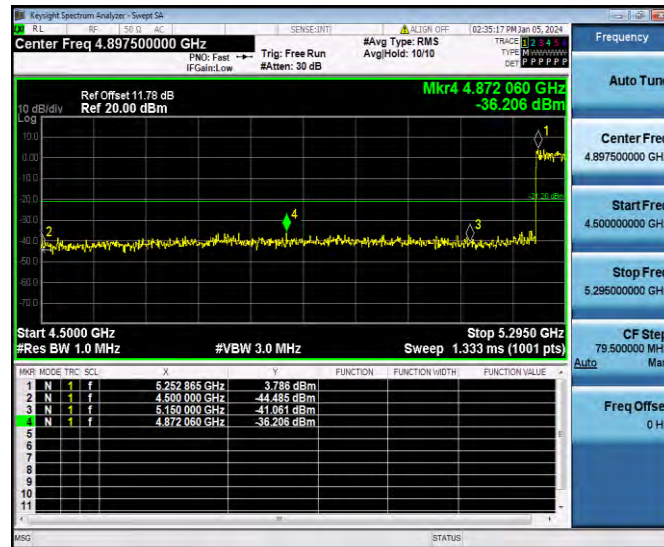
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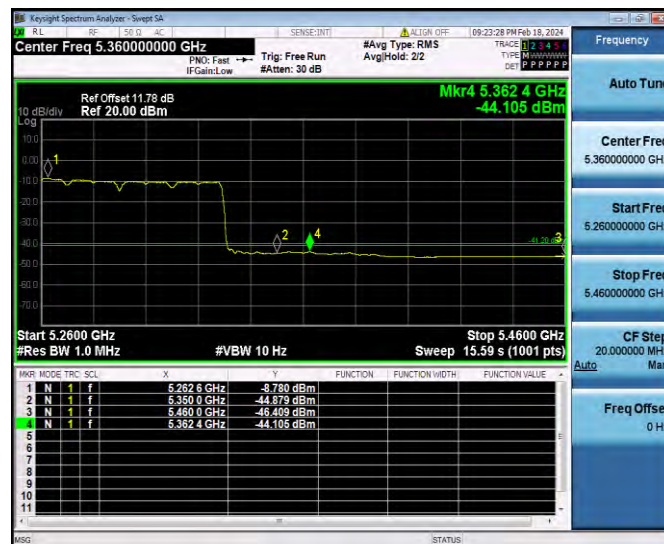
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11AX80SISO_Ant1_Low_5290_Peak



11AX80SISO_Ant1_High_5290_AV



11AX80SISO_Ant1_High_5290_Peak

