

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	5133.36	-40.96	≤-27	PASS
			5360~27000	24279.13	-36.74	≤-27	PASS
		5200	30~5140	3164.13	-46.4	≤-27	PASS
			5360~27000	26800.19	-36.05	≤-27	PASS
		5240	30~5140	3514.51	-46.62	≤-27	PASS
			5360~27000	24256.77	-36.52	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	2679.88	-46.3	≤-27	PASS
			5360~27000	26665.3	-37.25	≤-27	PASS
		5200	30~5140	5033.88	-44.23	≤-27	PASS
			5360~27000	25166.37	-37.9	≤-27	PASS
		5240	30~5140	4192.61	-45.33	≤-27	PASS
			5360~27000	24835.28	-37.47	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5138.13	-36.95	≤-27	PASS
			5360~27000	26029.81	-36.69	≤-27	PASS
		5230	30~5140	4921.46	-46.47	≤-27	PASS
			5360~27000	23563.57	-36.97	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5138.98	-42.12	≤-27	PASS
			5360~27000	24267.59	-36.37	≤-27	PASS
		5200	30~5140	4160.24	-44.9	≤-27	PASS
			5360~27000	25234.9	-36.87	≤-27	PASS
		5240	30~5140	3301.25	-46.04	≤-27	PASS
			5360~27000	26940.13	-37.22	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5139.15	-37.37	≤-27	PASS
			5360~27000	26011.05	-37.12	≤-27	PASS
		5230	30~5140	2620.94	-46.47	≤-27	PASS
			5360~27000	25708.09	-37.18	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5125.69	-34.89	≤-27	PASS
			5360~27000	24198.34	-37.21	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5139.49	-33.96	≤-27	PASS
			5360~27000	24215.65	-37.01	≤-27	PASS
		5200	30~5140	5127.57	-44.89	≤-27	PASS
			5360~27000	24249.56	-36.58	≤-27	PASS
		5240	30~5140	3178.61	-45.5	≤-27	PASS
			5360~27000	25653.27	-36.8	≤-27	PASS
11AX40SISO	Ant1	5190	30~5140	5139.66	-33.41	≤-27	PASS
			5360~27000	26604.71	-36.89	≤-27	PASS

		5230	30~5140	5133.87	-44.92	≤ -27	PASS
			5360~27000	26031.25	-36.96	≤ -27	PASS
11AX80SISO	Ant1	5210	30~5140	5138.47	-35.85	≤ -27	PASS
			5360~27000	24173.82	-37.23	≤ -27	PASS

Test Graphs

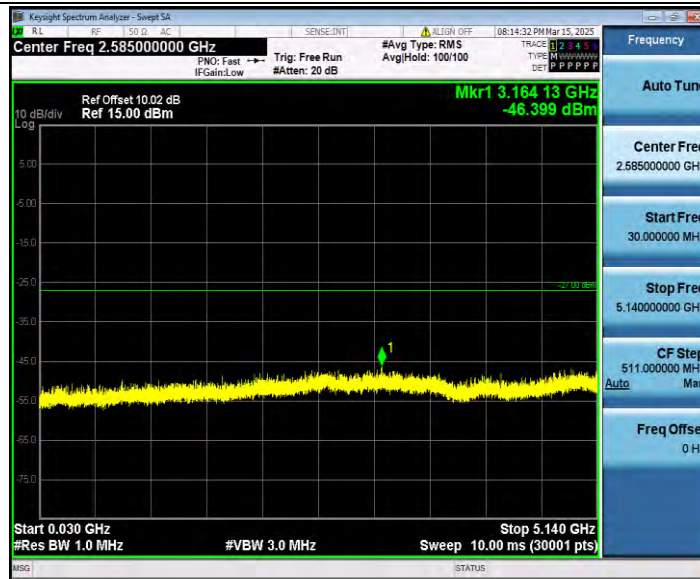
11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~27000



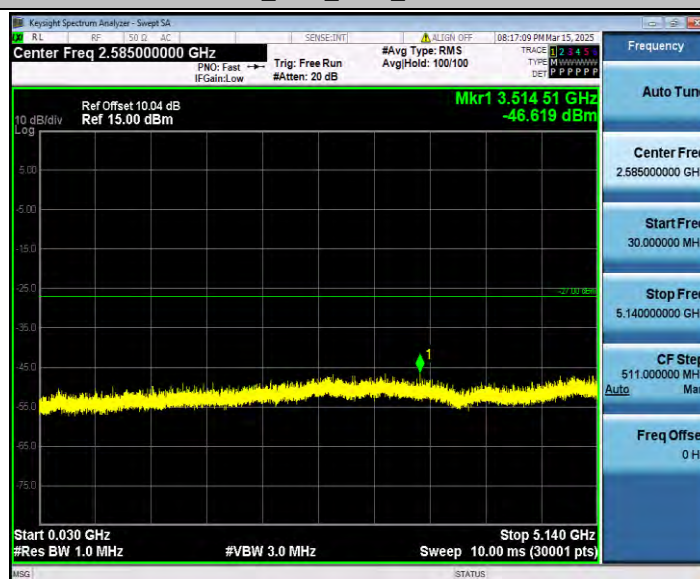
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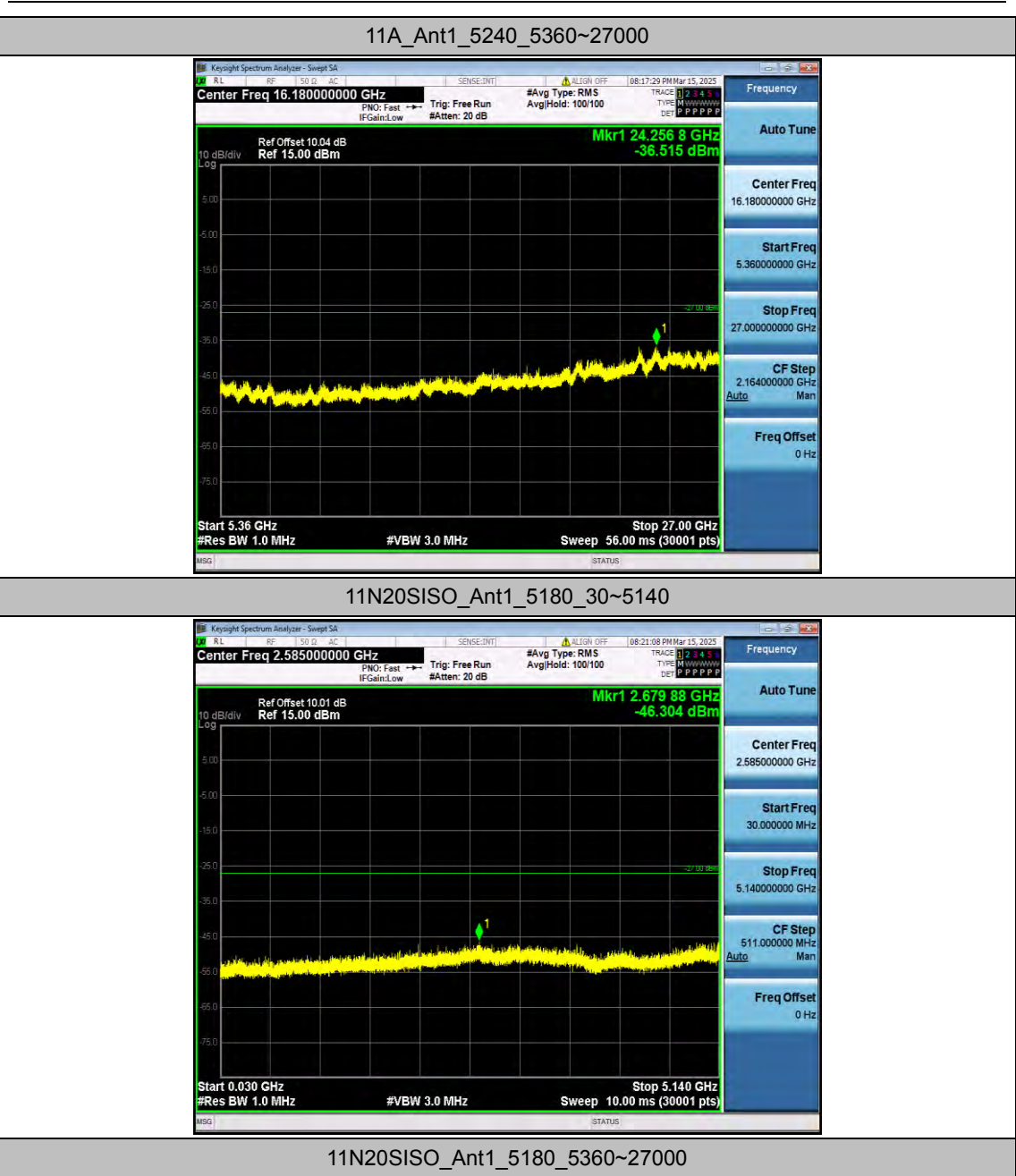


11A_Ant1_5200_5360~27000



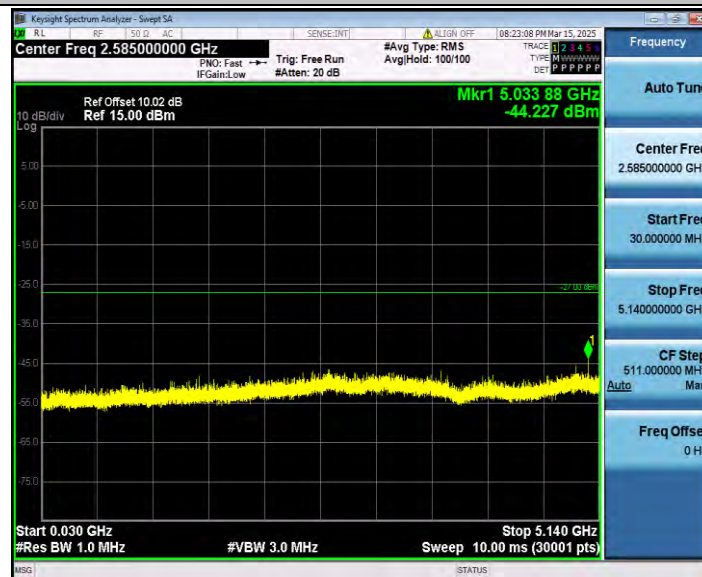
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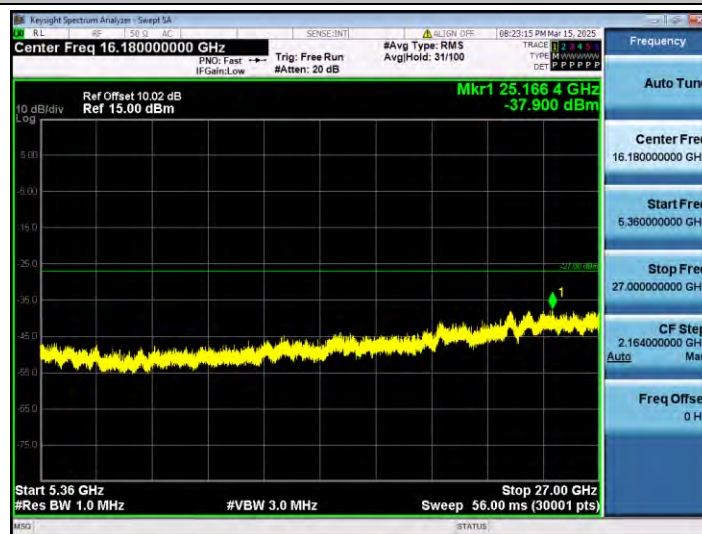




11N20SISO_Ant1_5200_30~5140



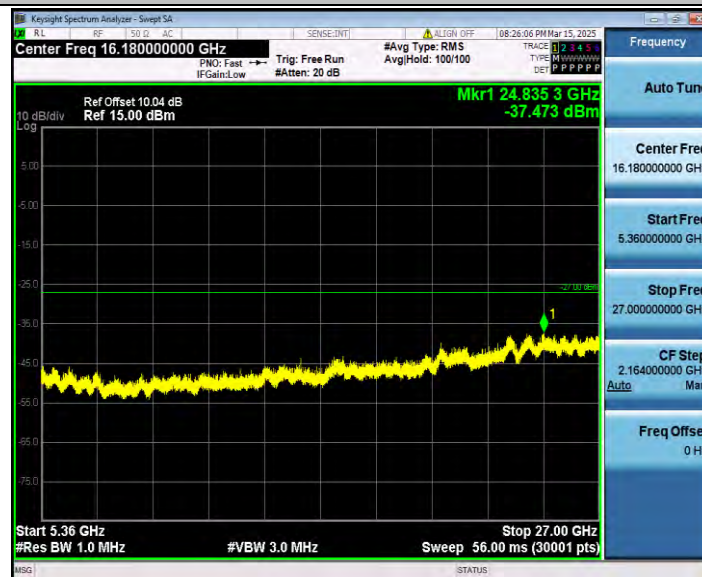
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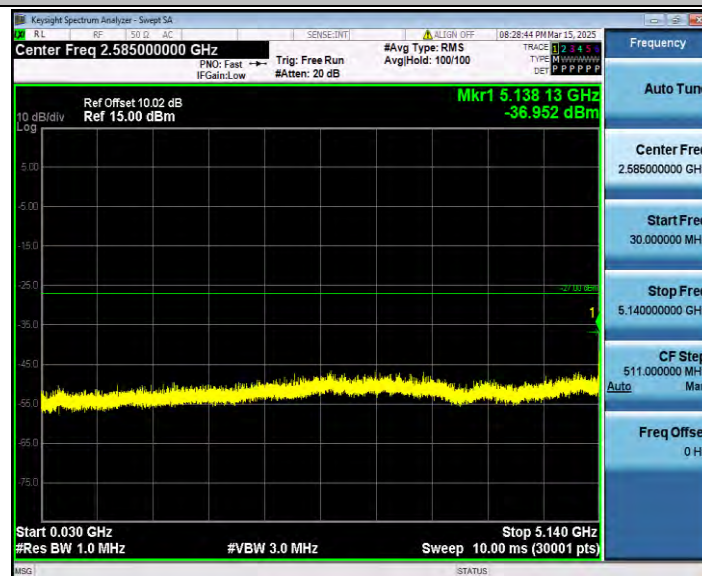
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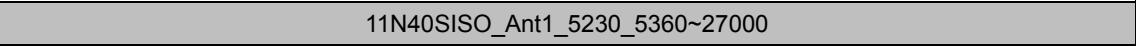
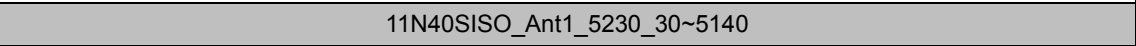


11N20SISO_Ant1_5240_5360~27000



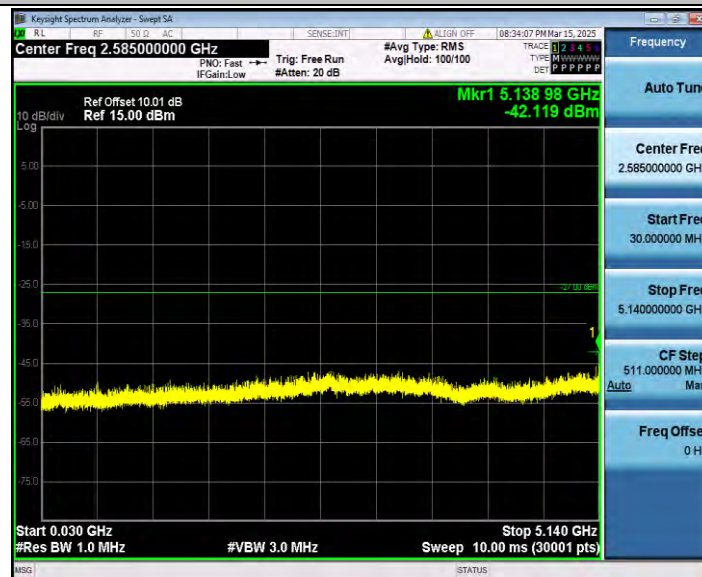
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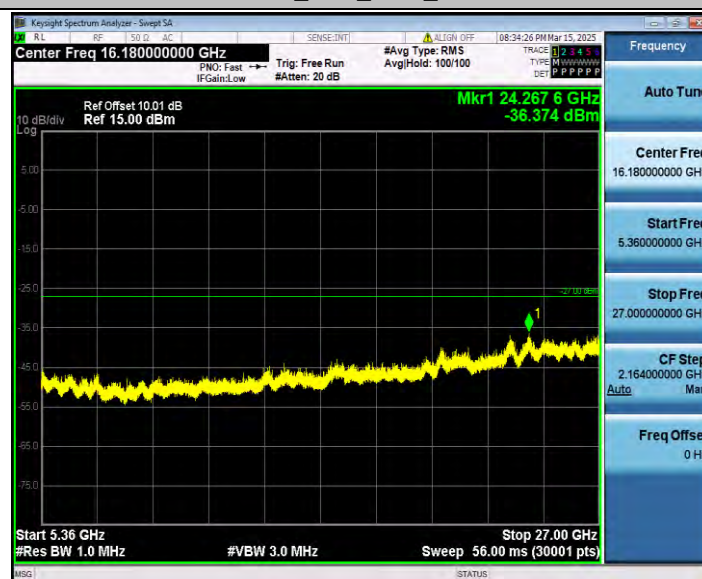




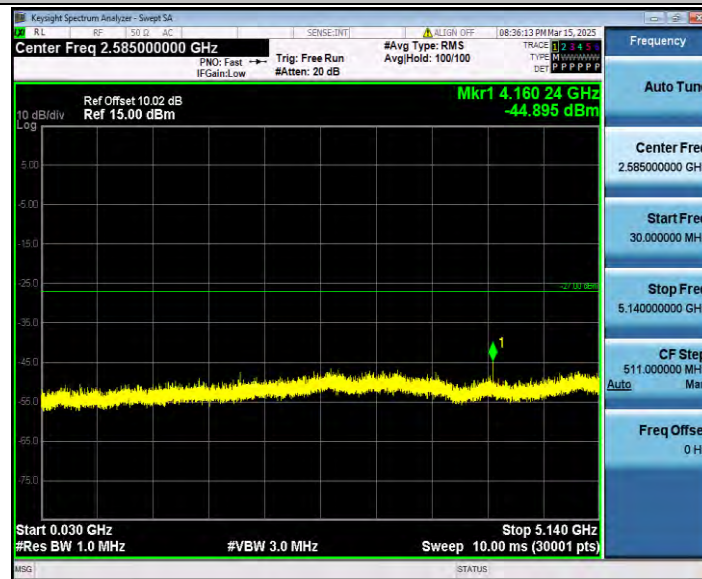
11AC20SISO_Ant1_5180_30~5140



11AC20SISO_Ant1_5180_5360~27000



11AC20SISO_Ant1_5200_30~5140



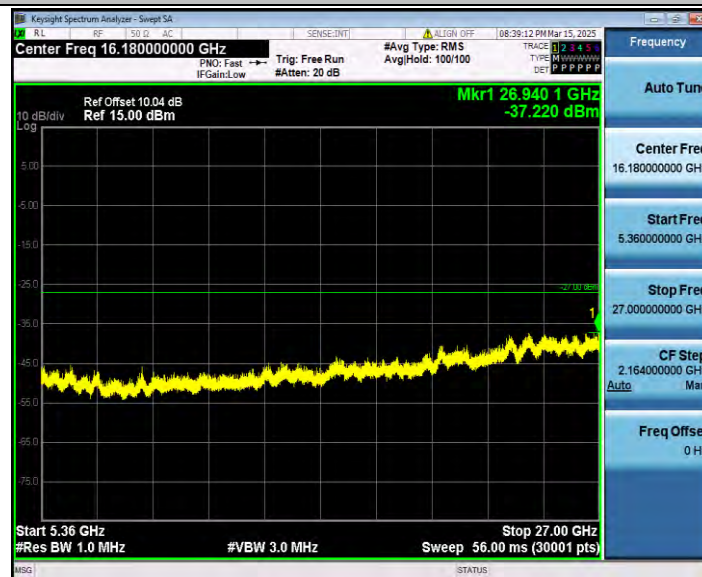
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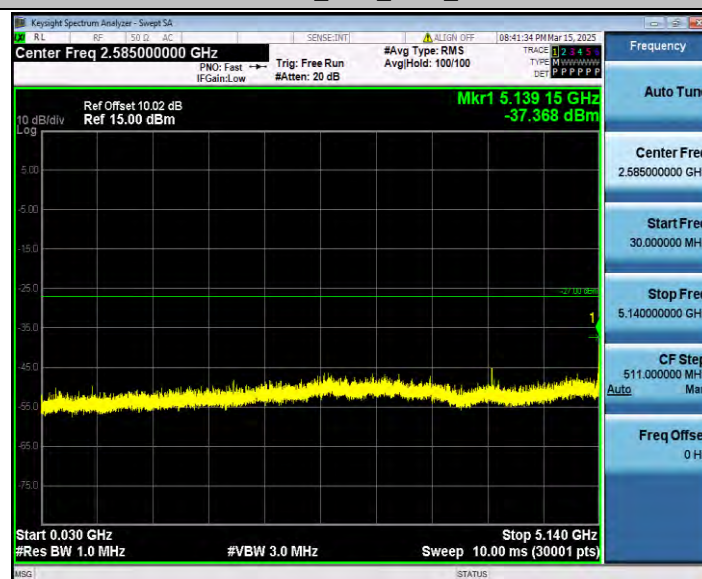
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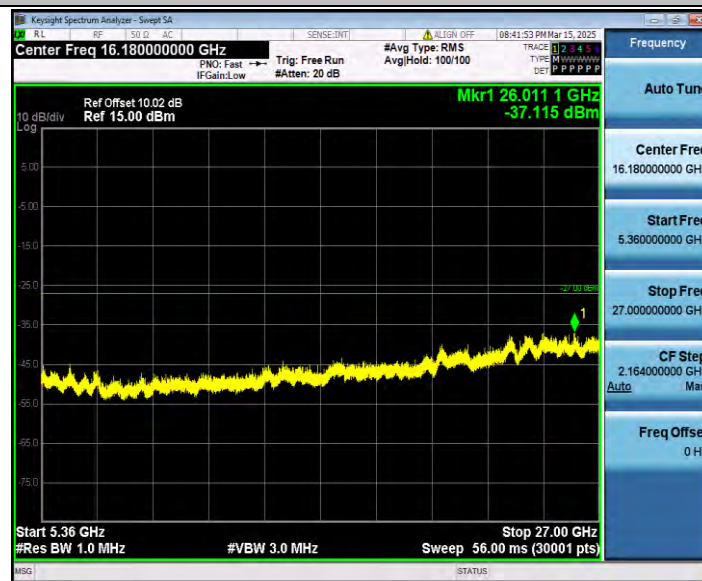
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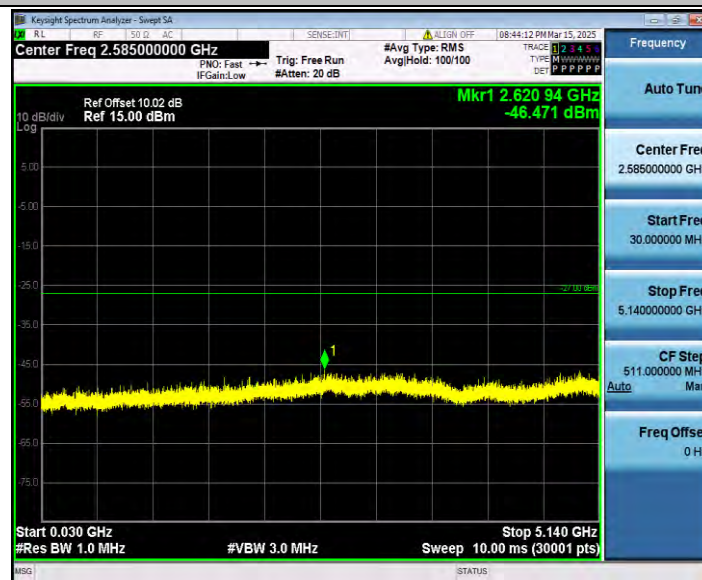
11AC40SISO_Ant1_5190_30~5140



11AC40SISO_Ant1_5190_5360~27000



11AC40SISO_Ant1_5230_30~5140



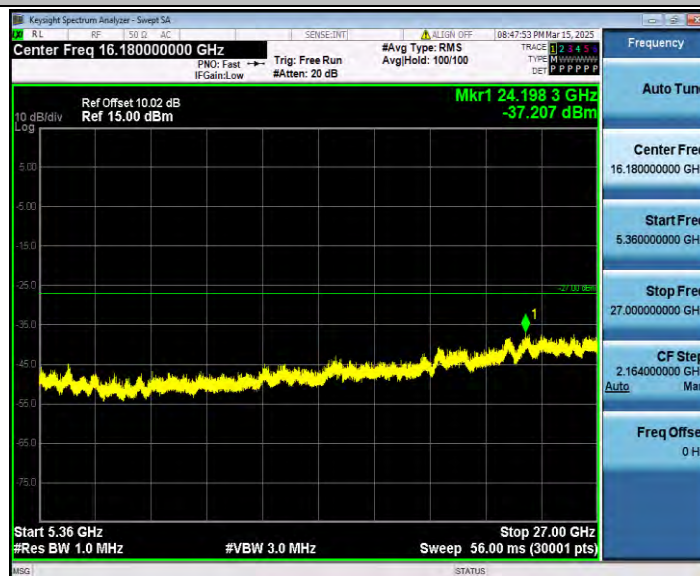
11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



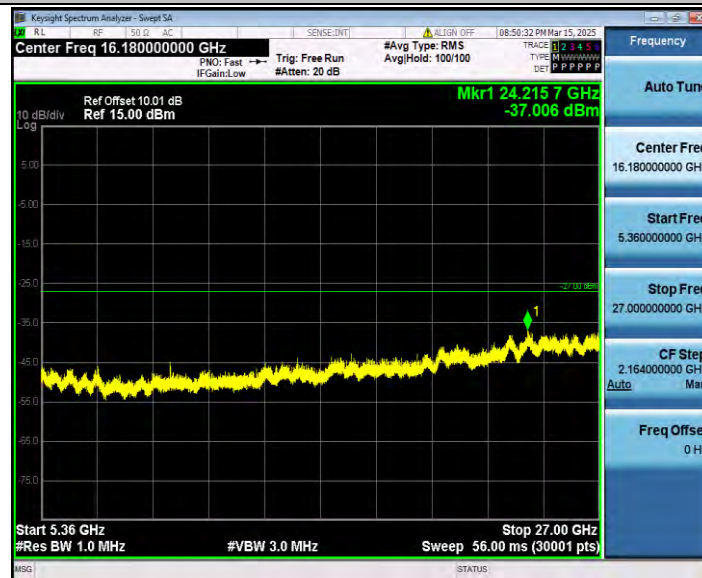
11AC80SISO_Ant1_5210_5360~27000



11AX20SISO_Ant1_5180_30~5140



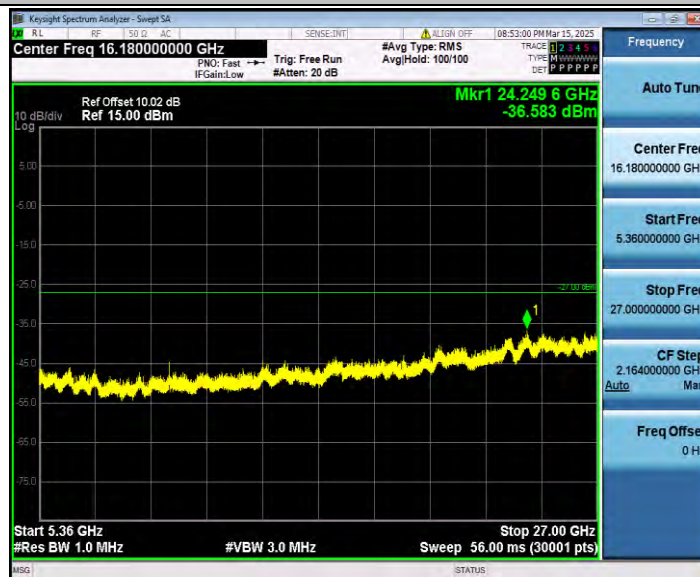
11AX20SISO_Ant1_5180_5360~27000



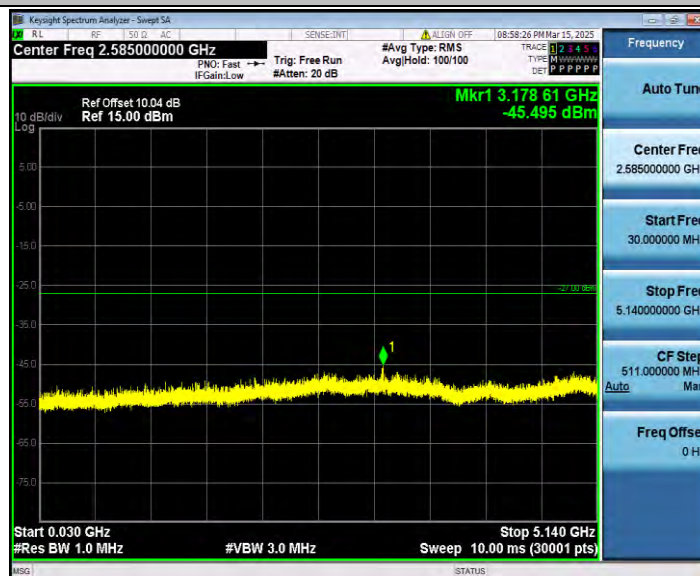
11AX20SISO_Ant1_5200_30~5140

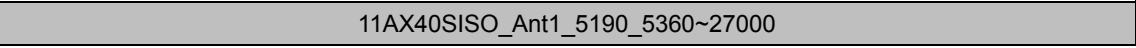
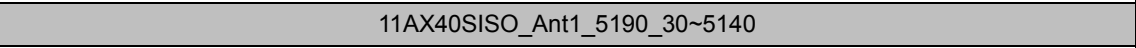


11AX20SISO_Ant1_5200_5360~27000



11AX20SISO_Ant1_5240_30~5140



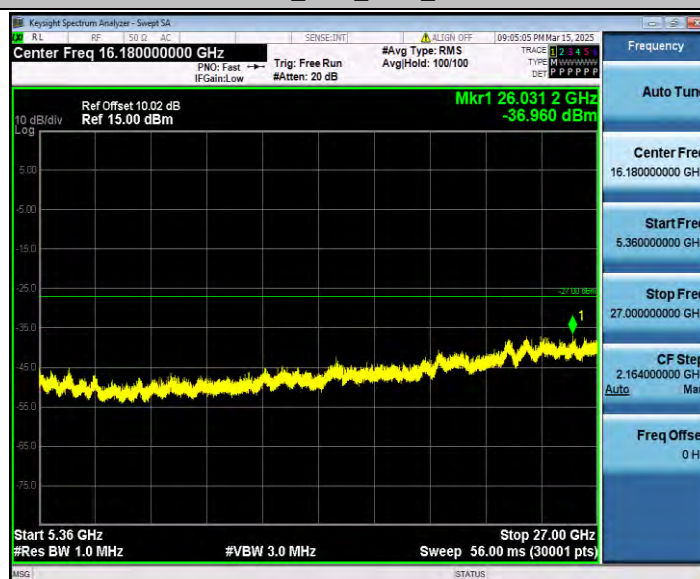




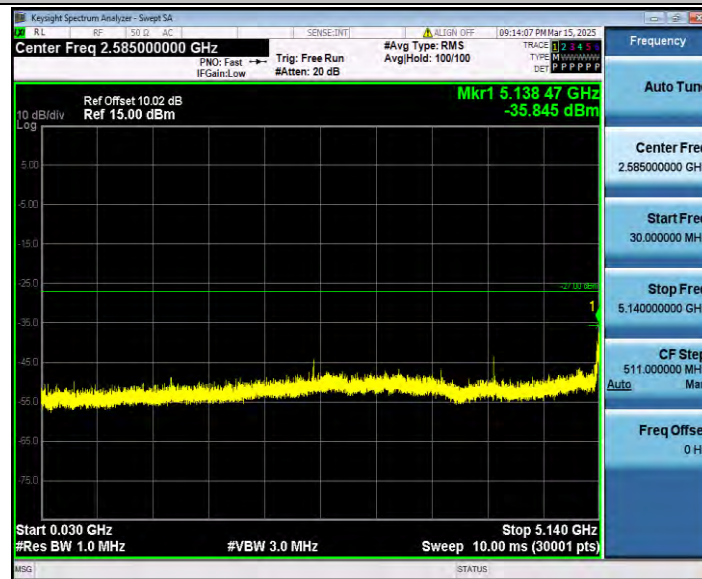
11AX40SISO_Ant1_5230_30~5140



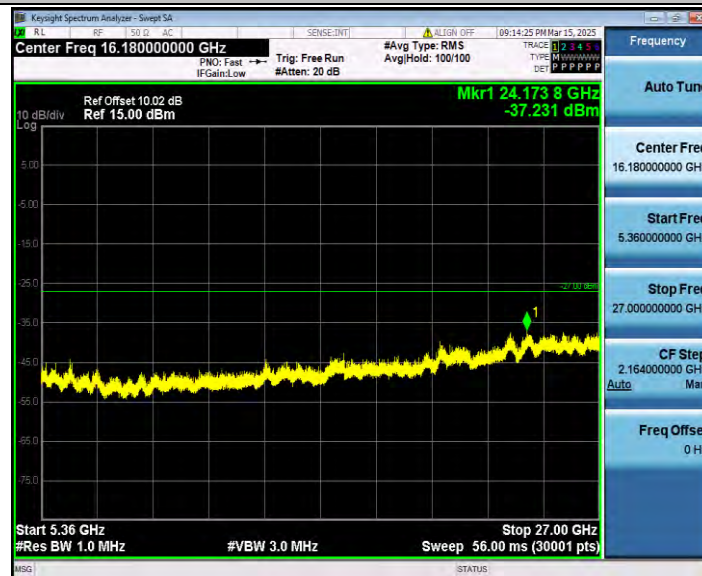
11AX40SISO_Ant1_5230_5360~27000



11AX80SISO_Ant1_5210_30~5140



11AX80SISO_Ant1_5210_5360~27000



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	-47.43	≤-41.20	47.77	≤54	PASS
				AV	4938.900	-45.06	≤-41.20	50.14	≤54	PASS
				AV	5150.000	-45.9	≤-41.20	49.30	≤54	PASS
				Peak	4500.000	-42.61	≤-21.20	52.59	≤74	PASS
				Peak	5146.100	-34.91	≤-21.20	60.29	≤74	PASS
				Peak	5150.000	-37.41	≤-21.20	57.79	≤74	PASS
		High	5240	AV	5350.000	-46.75	≤-41.20	48.45	≤54	PASS
				AV	5458.320	-45.28	≤-41.20	49.92	≤54	PASS
				AV	5460.000	-45.56	≤-41.20	49.64	≤54	PASS
				Peak	5350.000	-42.86	≤-21.20	52.34	≤74	PASS
				Peak	5401.200	-36.21	≤-21.20	58.99	≤74	PASS
				Peak	5460.000	-38.67	≤-21.20	56.53	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-47.58	≤-41.20	47.62	≤54	PASS
				AV	4950.800	-45.05	≤-41.20	50.15	≤54	PASS
				AV	5150.000	-46.11	≤-41.20	49.09	≤54	PASS
				Peak	4500.000	-44.09	≤-21.20	51.11	≤74	PASS
				Peak	5148.200	-34.26	≤-21.20	60.94	≤74	PASS
				Peak	5150.000	-34.65	≤-21.20	60.55	≤74	PASS
		High	5240	AV	5350.000	-46.64	≤-41.20	48.56	≤54	PASS
				AV	5453.520	-45.31	≤-41.20	49.89	≤54	PASS
				AV	5460.000	-45.6	≤-41.20	49.60	≤54	PASS
				Peak	5350.000	-40.09	≤-21.20	55.11	≤74	PASS
				Peak	5454.720	-35.76	≤-21.20	59.44	≤74	PASS
				Peak	5460.000	-40.95	≤-21.20	54.25	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-47.76	≤-41.20	47.44	≤54	PASS
				AV	4956.400	-44.95	≤-41.20	50.25	≤54	PASS
				AV	5150.000	-45.66	≤-41.20	49.54	≤54	PASS
				Peak	4500.000	-42.82	≤-21.20	52.38	≤74	PASS
				Peak	4973.900	-36.31	≤-21.20	58.89	≤74	PASS
				Peak	5150.000	-38.78	≤-21.20	56.42	≤74	PASS
		High	5230	AV	5350.000	-46.43	≤-41.20	48.77	≤54	PASS
				AV	5431.400	-45.1	≤-41.20	50.10	≤54	PASS
				AV	5460.000	-45.79	≤-41.20	49.41	≤54	PASS
				Peak	5350.000	-42.13	≤-21.20	53.07	≤74	PASS
				Peak	5438.420	-37.6	≤-21.20	57.60	≤74	PASS
				Peak	5460.000	-41.98	≤-21.20	53.22	≤74	PASS

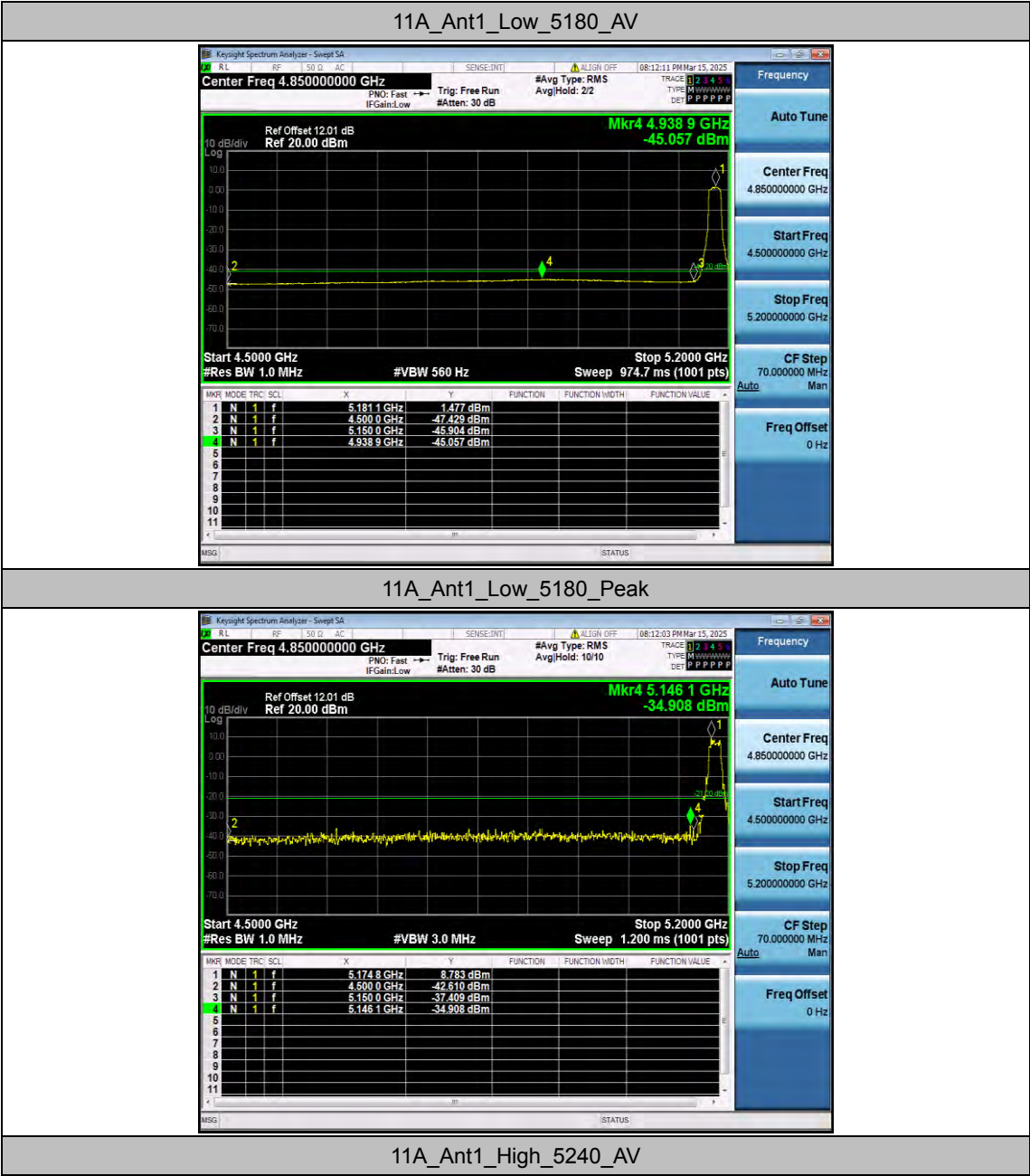
11AC20SI SO	Ant1	Low	5180	AV	4500.000	-47.86	≤-41.20	47.34	≤54	PASS
				AV	4939.600	-45.14	≤-41.20	50.06	≤54	PASS
				AV	5150.000	-46.24	≤-41.20	48.96	≤54	PASS
				Peak	4500.000	-43.35	≤-21.20	51.85	≤74	PASS
				Peak	5019.400	-35.7	≤-21.20	59.50	≤74	PASS
				Peak	5150.000	-42	≤-21.20	53.20	≤74	PASS
		High	5240	AV	5350.000	-46.44	≤-41.20	48.76	≤54	PASS
				AV	5439.600	-45.32	≤-41.20	49.88	≤54	PASS
				AV	5460.000	-45.66	≤-41.20	49.54	≤54	PASS
				Peak	5350.000	-41.76	≤-21.20	53.44	≤74	PASS
				Peak	5370.960	-35.6	≤-21.20	59.60	≤74	PASS
				Peak	5460.000	-43.51	≤-21.20	51.69	≤74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-47.3	≤-41.20	47.90	≤54	PASS
				AV	5149.600	-44.43	≤-41.20	50.77	≤54	PASS
				AV	5150.000	-44.92	≤-41.20	50.28	≤54	PASS
				Peak	4500.000	-42.47	≤-21.20	52.73	≤74	PASS
				Peak	4993.500	-35.7	≤-21.20	59.50	≤74	PASS
				Peak	5150.000	-41.95	≤-21.20	53.25	≤74	PASS
		High	5230	AV	5350.000	-46.47	≤-41.20	48.73	≤54	PASS
				AV	5453.760	-45.21	≤-41.20	49.99	≤54	PASS
				AV	5460.000	-45.6	≤-41.20	49.60	≤54	PASS
				Peak	5350.000	-44.92	≤-21.20	50.28	≤74	PASS
				Peak	5406.700	-35.98	≤-21.20	59.22	≤74	PASS
				Peak	5460.000	-37	≤-21.20	58.20	≤74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-47.73	≤-41.20	47.47	≤54	PASS
				AV	5149.500	-43.54	≤-41.20	51.66	≤54	PASS
				AV	5150.000	-43.12	≤-41.20	52.08	≤54	PASS
				Peak	4500.000	-39.31	≤-21.20	55.89	≤74	PASS
				Peak	5149.500	-28.58	≤-21.20	66.62	≤74	PASS
				Peak	5150.000	-36.46	≤-21.20	58.74	≤74	PASS
		High	5210	AV	5350.000	-46.28	≤-41.20	48.92	≤54	PASS
				AV	5456.080	-44.86	≤-41.20	50.34	≤54	PASS
				AV	5460.000	-45.38	≤-41.20	49.82	≤54	PASS
				Peak	5350.000	-38.85	≤-21.20	56.35	≤74	PASS
				Peak	5417.720	-36.23	≤-21.20	58.97	≤74	PASS
				Peak	5460.000	-42.85	≤-21.20	52.35	≤74	PASS
11AX20SI SO	Ant1	Low	5180	AV	4500.000	-47.76	≤-41.20	47.44	≤54	PASS
				AV	5149.600	-42.62	≤-41.20	52.58	≤54	PASS
				AV	5150.000	-42.69	≤-41.20	52.51	≤54	PASS
				Peak	4500.000	-42.81	≤-21.20	52.39	≤74	PASS
				Peak	5149.600	-30.76	≤-21.20	64.44	≤74	PASS
				Peak	5150.000	-32.27	≤-21.20	62.93	≤74	PASS
		High	5240	AV	5350.000	-46.38	≤-41.20	48.82	≤54	PASS

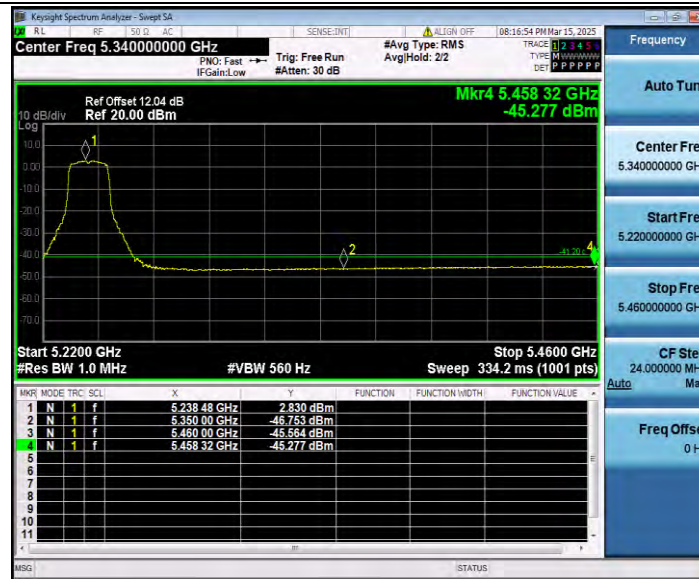
				AV	5440.800	-45.3	≤ -41.20	49.90	≤ 54	PASS
				AV	5460.000	-45.56	≤ -41.20	49.64	≤ 54	PASS
				Peak	5350.000	-39.59	≤ -21.20	55.61	≤ 74	PASS
				Peak	5415.120	-36.78	≤ -21.20	58.42	≤ 74	PASS
				Peak	5460.000	-42.82	≤ -21.20	52.38	≤ 74	PASS
11AX40SI SO	Ant1	Low	5190	AV	4500.000	-47.56	≤ -41.20	47.64	≤ 54	PASS
				AV	4943.800	-44.72	≤ -41.20	50.48	≤ 54	PASS
				AV	5150.000	-45.77	≤ -41.20	49.43	≤ 54	PASS
				Peak	4500.000	-40.92	≤ -21.20	54.28	≤ 74	PASS
				Peak	4995.600	-35.28	≤ -21.20	59.92	≤ 74	PASS
				Peak	5150.000	-41.12	≤ -21.20	54.08	≤ 74	PASS
		High	5230	AV	5350.000	-46.68	≤ -41.20	48.52	≤ 54	PASS
				AV	5454.280	-45.78	≤ -41.20	49.42	≤ 54	PASS
				AV	5460.000	-45.83	≤ -41.20	49.37	≤ 54	PASS
				Peak	5350.000	-41.5	≤ -21.20	53.70	≤ 74	PASS
				Peak	5438.940	-35.86	≤ -21.20	59.34	≤ 74	PASS
				Peak	5460.000	-41.54	≤ -21.20	53.66	≤ 74	PASS
11AX80SI SO	Ant1	Low	5210	AV	4500.000	-47.38	≤ -41.20	47.82	≤ 54	PASS
				AV	5130.750	-42.97	≤ -41.20	52.23	≤ 54	PASS
				AV	5150.000	-44.34	≤ -41.20	50.86	≤ 54	PASS
				Peak	4500.000	-41.53	≤ -21.20	53.67	≤ 74	PASS
				Peak	5143.500	-34.49	≤ -21.20	60.71	≤ 74	PASS
				Peak	5150.000	-38.79	≤ -21.20	56.41	≤ 74	PASS
		High	5210	AV	5350.000	-46.2	≤ -41.20	49.00	≤ 54	PASS
				AV	5434.520	-44.75	≤ -41.20	50.45	≤ 54	PASS
				AV	5460.000	-45.12	≤ -41.20	50.08	≤ 54	PASS
				Peak	5350.000	-41.01	≤ -21.20	54.19	≤ 74	PASS
				Peak	5422.200	-36.84	≤ -21.20	58.36	≤ 74	PASS
				Peak	5460.000	-37.35	≤ -21.20	57.85	≤ 74	PASS

Note:

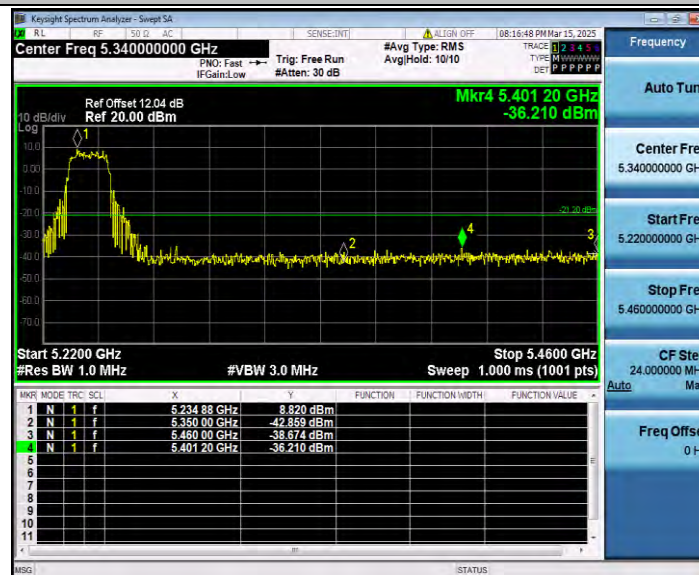
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

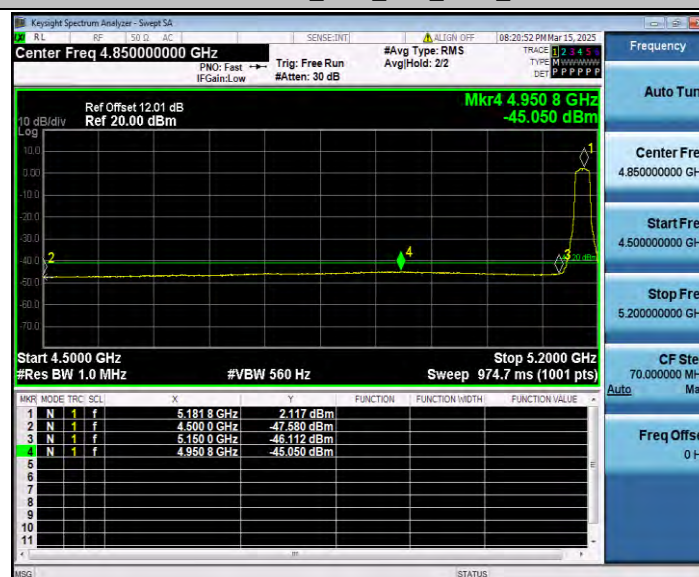




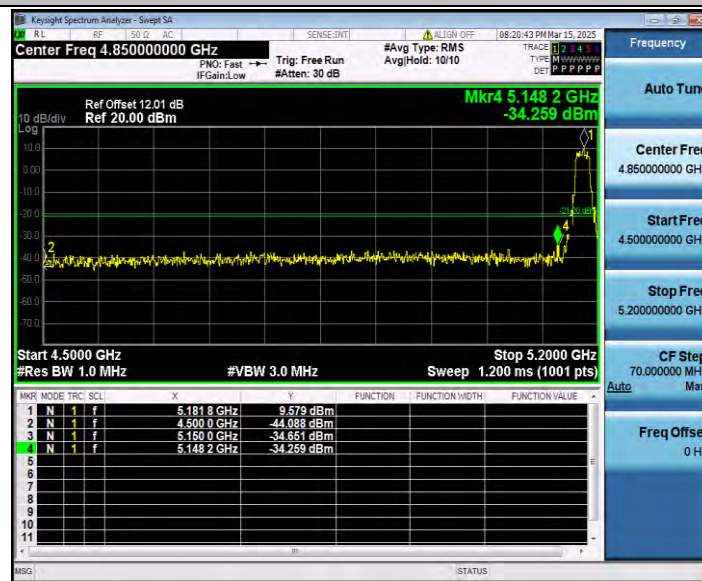
11A_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5180_AV



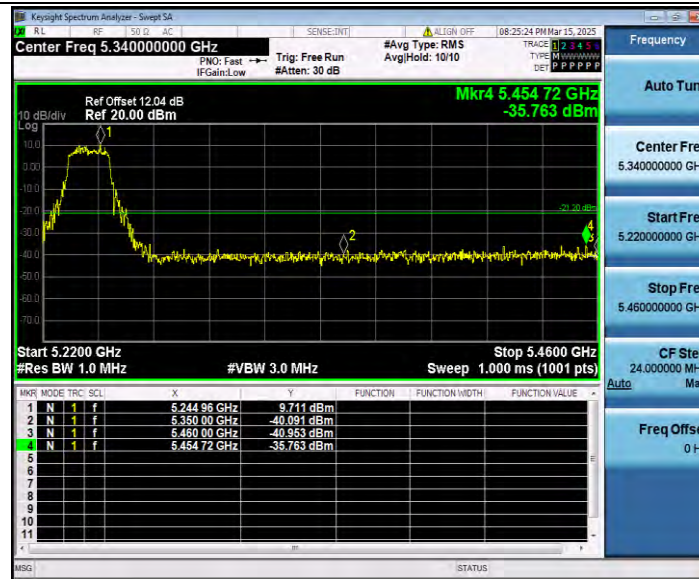
11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV



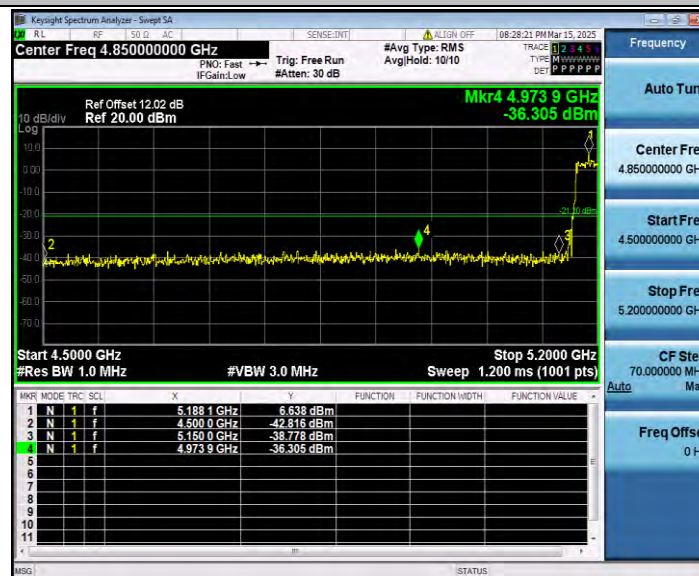
11N20SISO_Ant1_High_5240_Peak



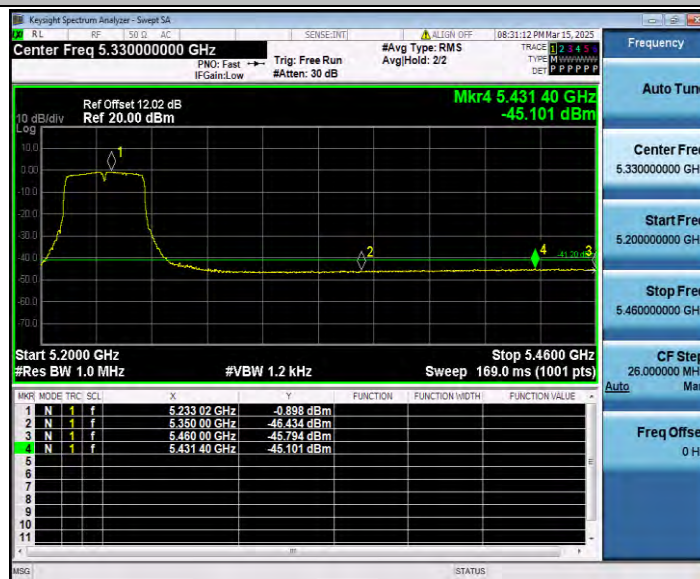
11N40SISO_Ant1_Low_5190_AV



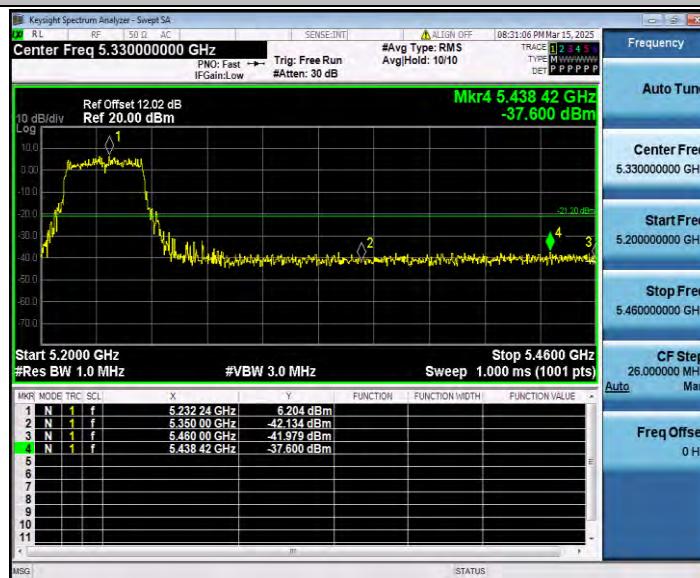
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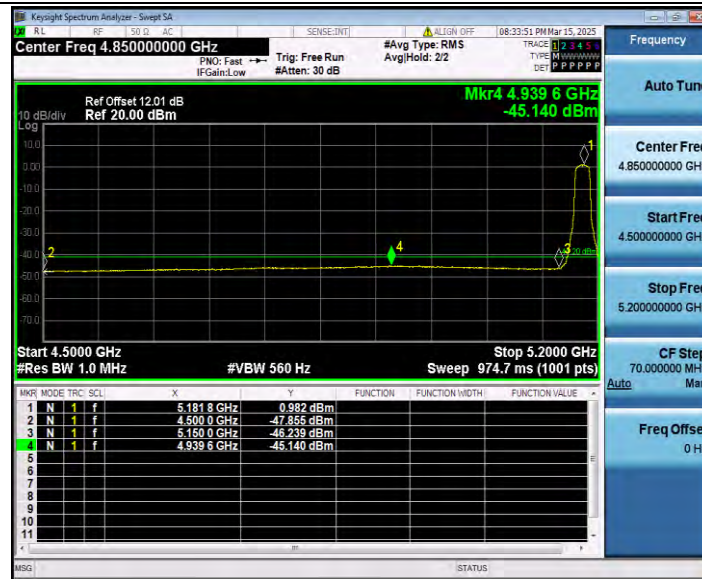
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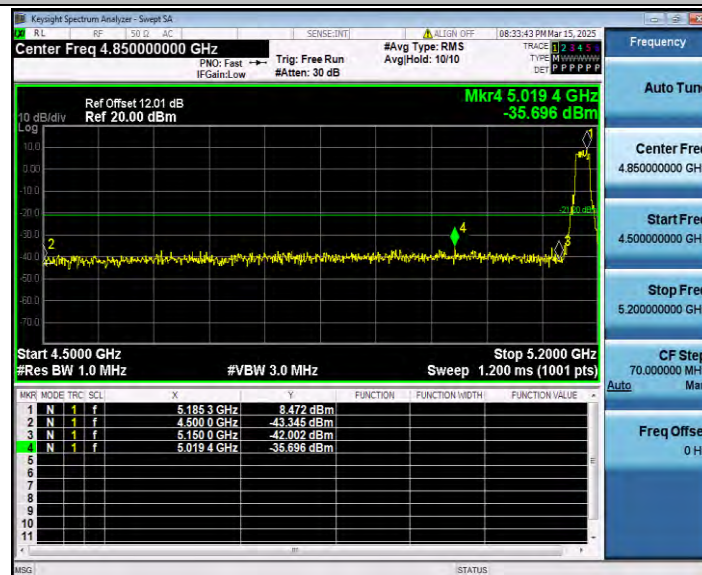
11N40SISO_Ant1_High_5230_Peak



11AC20SISO_Ant1_Low_5180_AV



11AC20SISO_Ant1_Low_5180_Peak



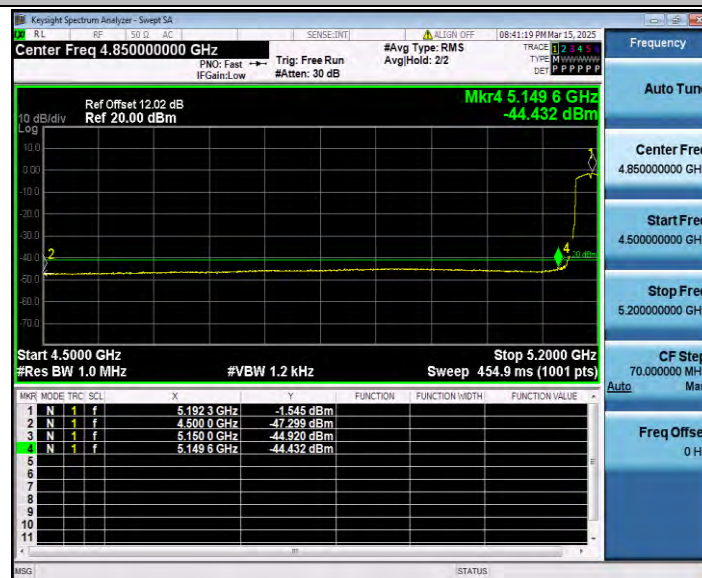
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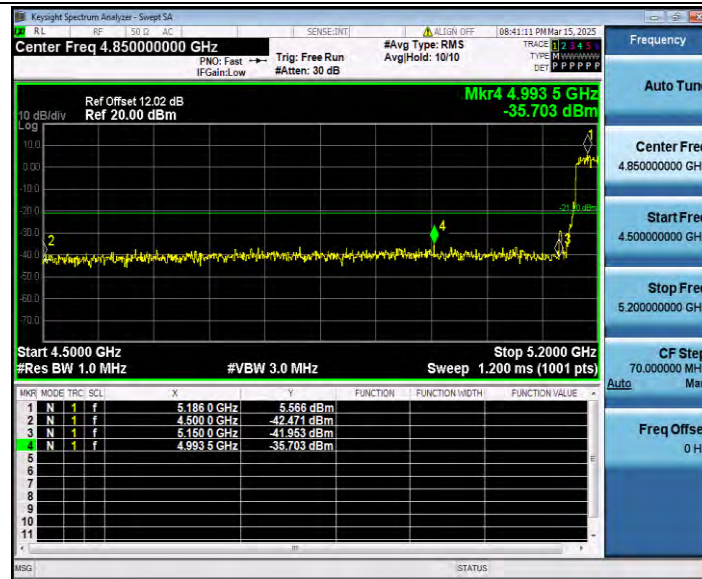
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11AC40SISO_Ant1_Low_5190_AV



11AC40SISO_Ant1_Low_5190_Peak



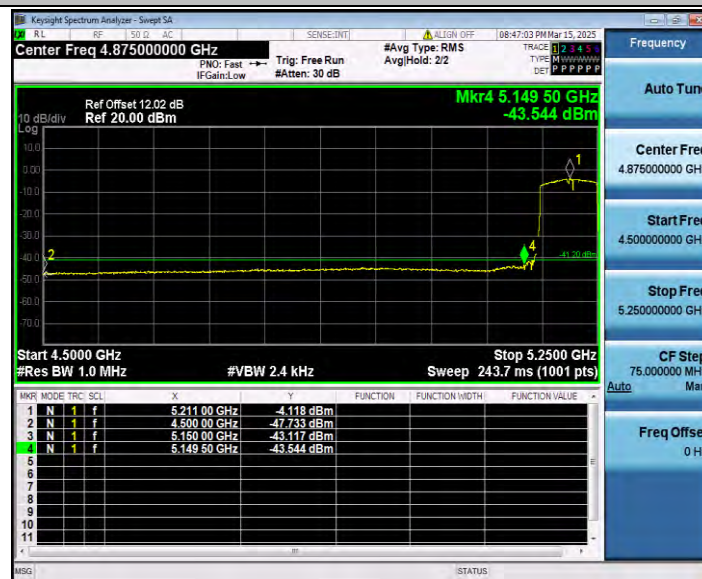
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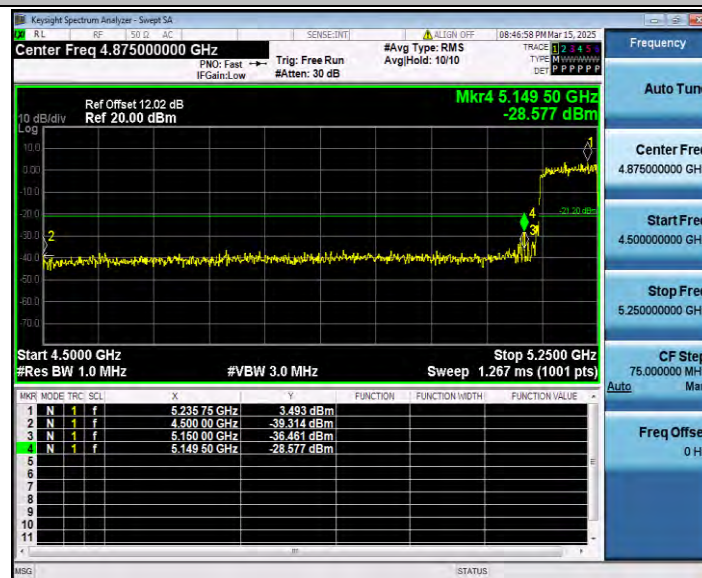
11AC40SISO_Ant1_High_5230_Peak



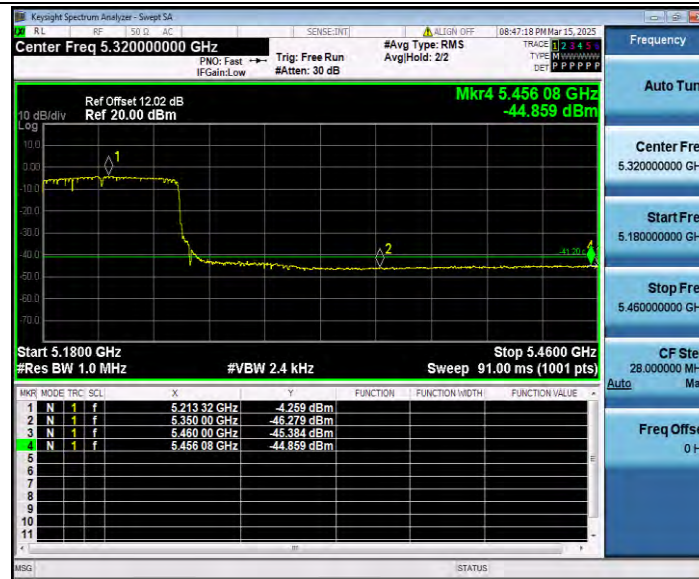
11AC80SISO_Ant1_Low_5210_AV



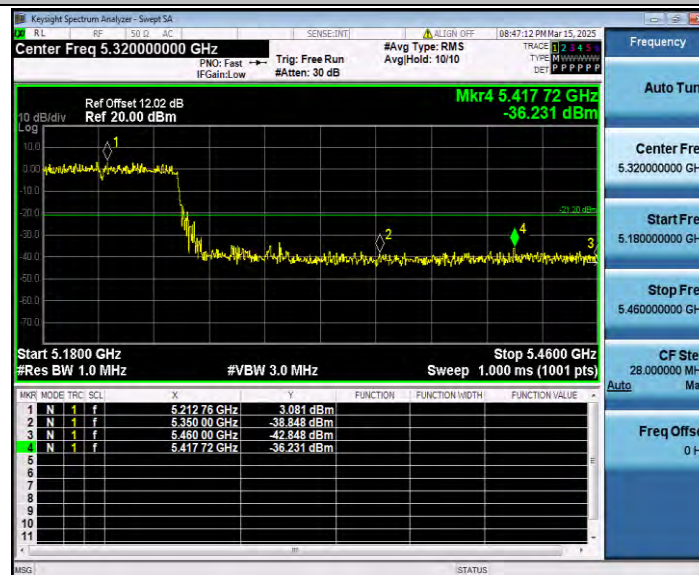
11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



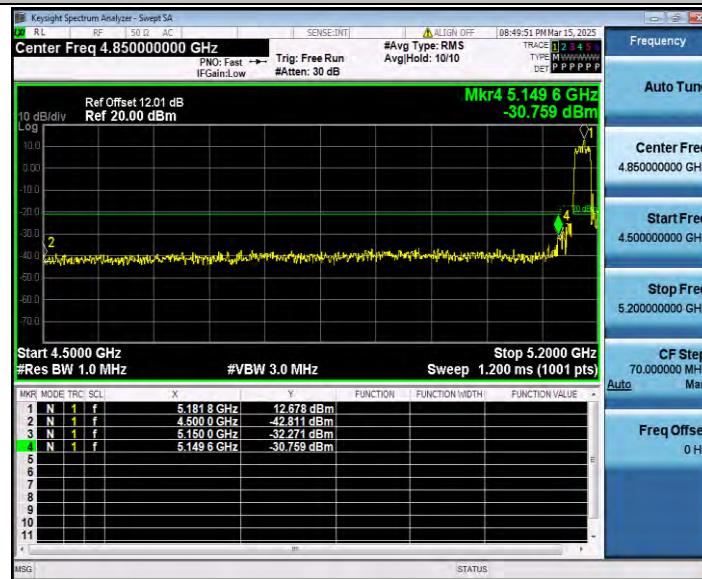
11AC80SISO_Ant1_High_5210_Peak



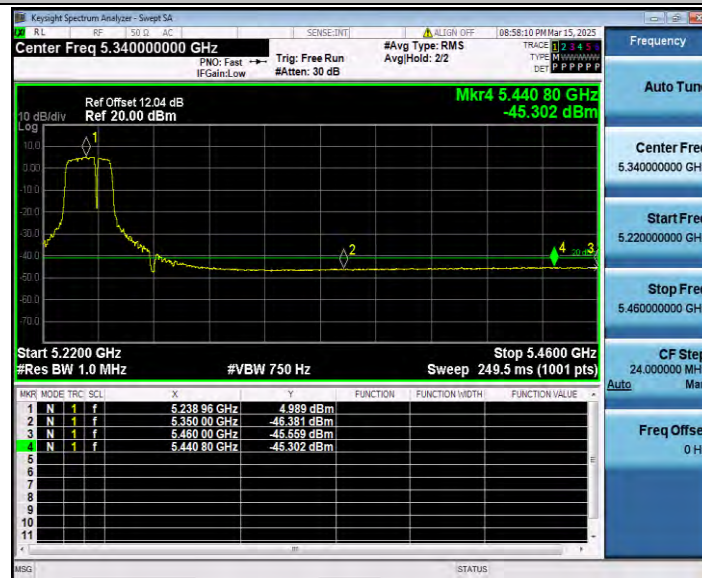
11AX20SISO_Ant1_Low_5180_AV



11AX20SISO_Ant1_Low_5180_Peak



11AX20SISO_Ant1_High_5240_AV



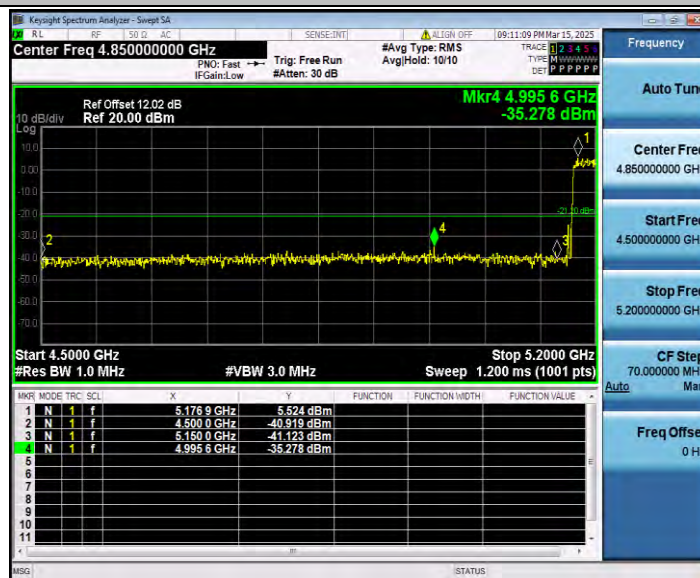
11AX20SISO_Ant1_High_5240_Peak



11AX40SISO_Ant1_Low_5190_AV



11AX40SISO_Ant1_Low_5190_Peak



11AX40SISO_Ant1_High_5230_AV



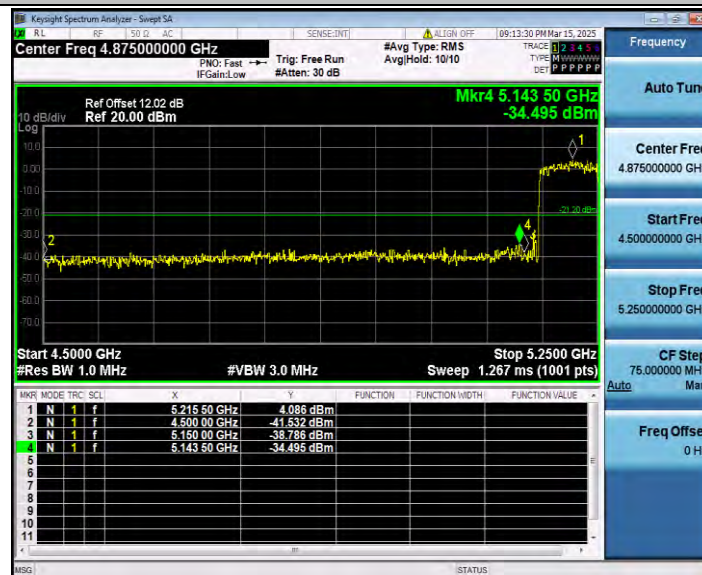
11AX40SISO_Ant1_High_5230_Peak



11AX80SISO_Ant1_Low_5210_AV



11AX80SISO_Ant1_Low_5210_Peak



11AX80SISO_Ant1_High_5210_AV



