

Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.24	97.20	0.12	14.36	≤23.98	PASS
		5200	13.89	97.20	0.12	14.01	≤23.98	PASS
		5240	13.49	97.20	0.12	13.61	≤23.98	PASS
11N20SISO	Ant1	5180	14.05	97.01	0.13	14.18	≤23.98	PASS
		5200	13.55	97.01	0.13	13.68	≤23.98	PASS
		5240	13.24	97.01	0.13	13.37	≤23.98	PASS
11N40SISO	Ant1	5190	13.28	95.59	0.20	13.48	≤23.98	PASS
		5230	13.28	94.20	0.26	13.54	≤23.98	PASS
11AC20SISO	Ant1	5180	13.94	97.04	0.13	14.07	≤23.98	PASS
		5200	13.66	97.04	0.13	13.79	≤23.98	PASS
		5240	13.16	97.76	0.10	13.26	≤23.98	PASS
11AC40SISO	Ant1	5190	13.46	95.59	0.20	13.66	≤23.98	PASS
		5230	13.28	94.20	0.26	13.54	≤23.98	PASS
11AC80SISO	Ant1	5210	12.97	88.89	0.51	13.48	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix D.5: Maximum power spectral density

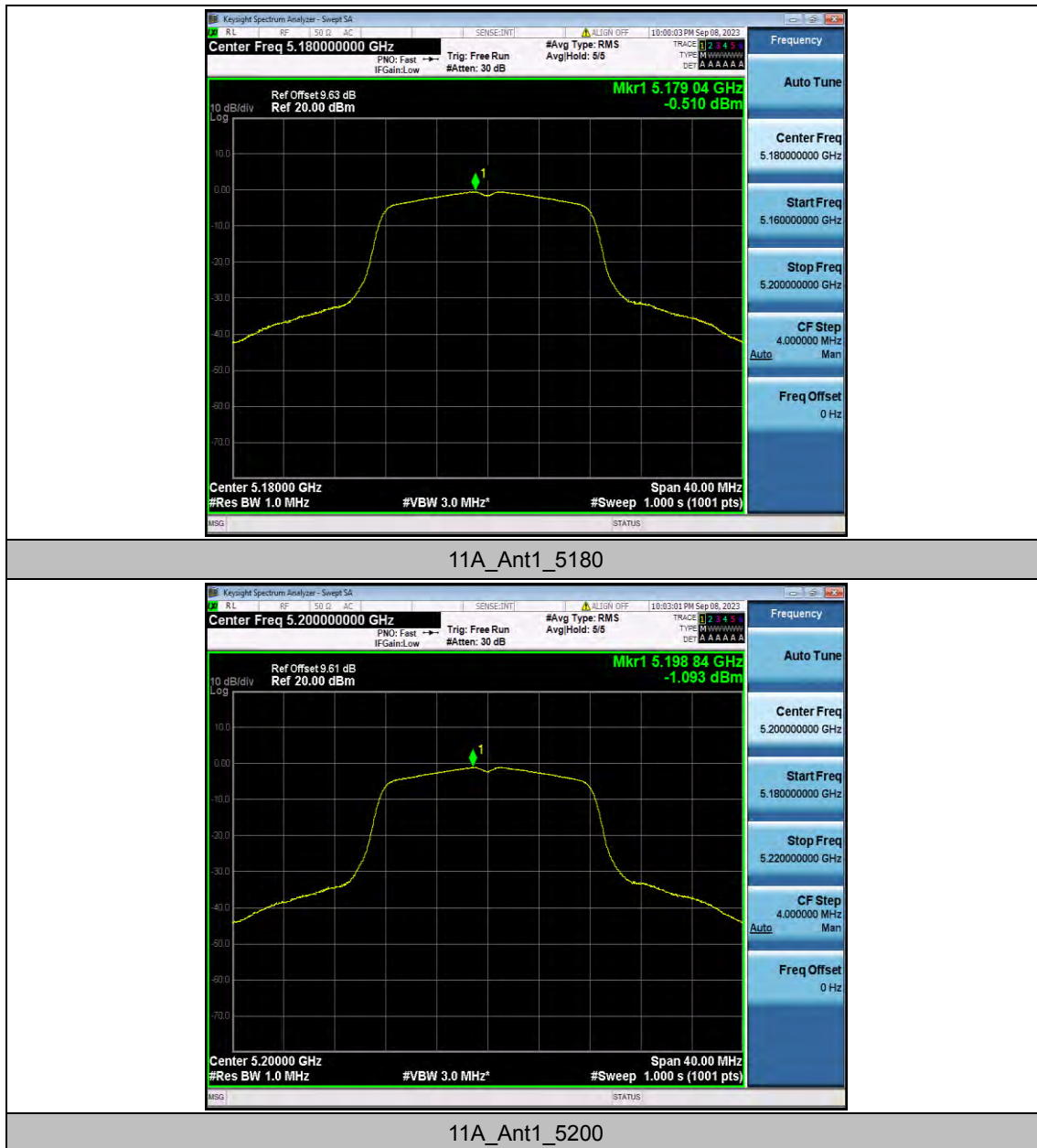
Test Result

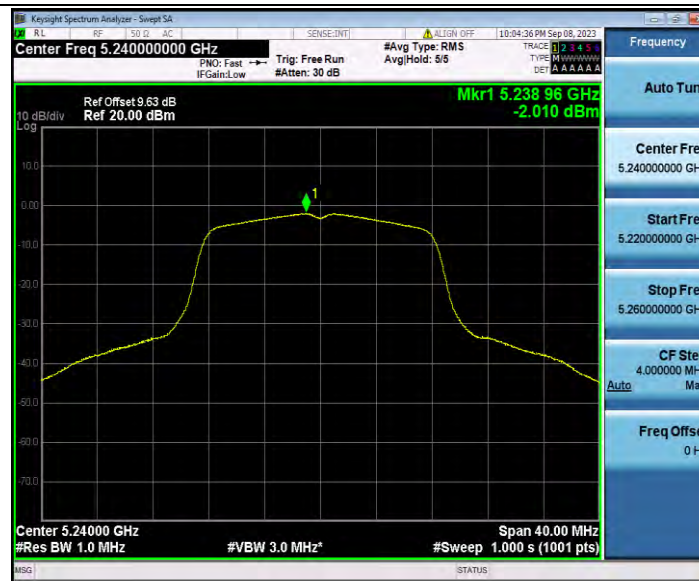
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.51	≤ 11.00	PASS
		5200	-1.09	≤ 11.00	PASS
		5240	-2.01	≤ 11.00	PASS
11N20SISO	Ant1	5180	-1.42	≤ 11.00	PASS
		5200	-1.28	≤ 11.00	PASS
		5240	-2.31	≤ 11.00	PASS
11N40SISO	Ant1	5190	-4.29	≤ 11.00	PASS
		5230	-4.77	≤ 11.00	PASS
11AC20SISO	Ant1	5180	-1.38	≤ 11.00	PASS
		5200	-1.24	≤ 11.00	PASS
		5240	-2.29	≤ 11.00	PASS
11AC40SISO	Ant1	5190	-4.27	≤ 11.00	PASS
		5230	-4.74	≤ 11.00	PASS
11AC80SISO	Ant1	5210	-7.75	≤ 11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

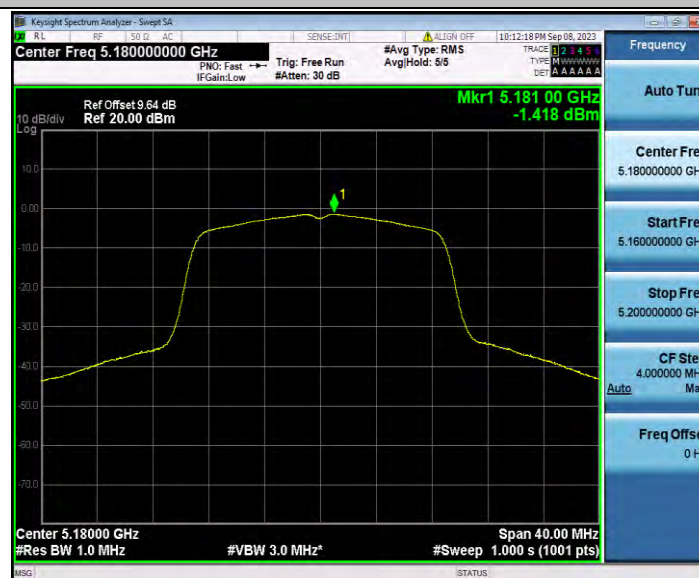
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs





11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



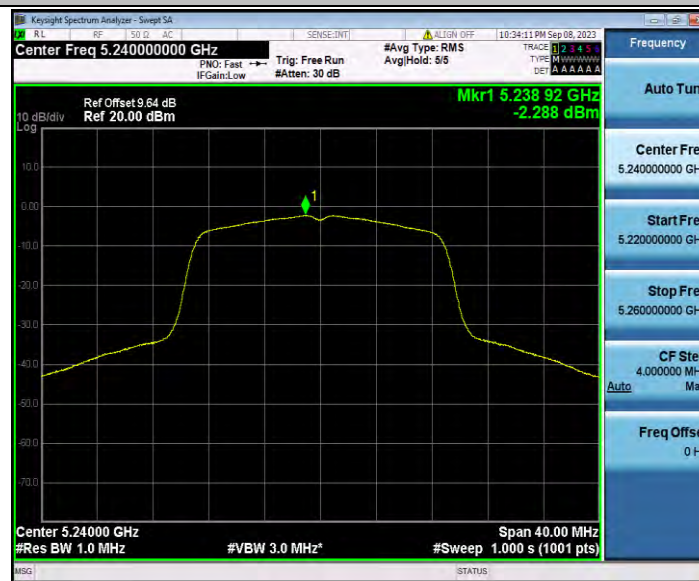
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



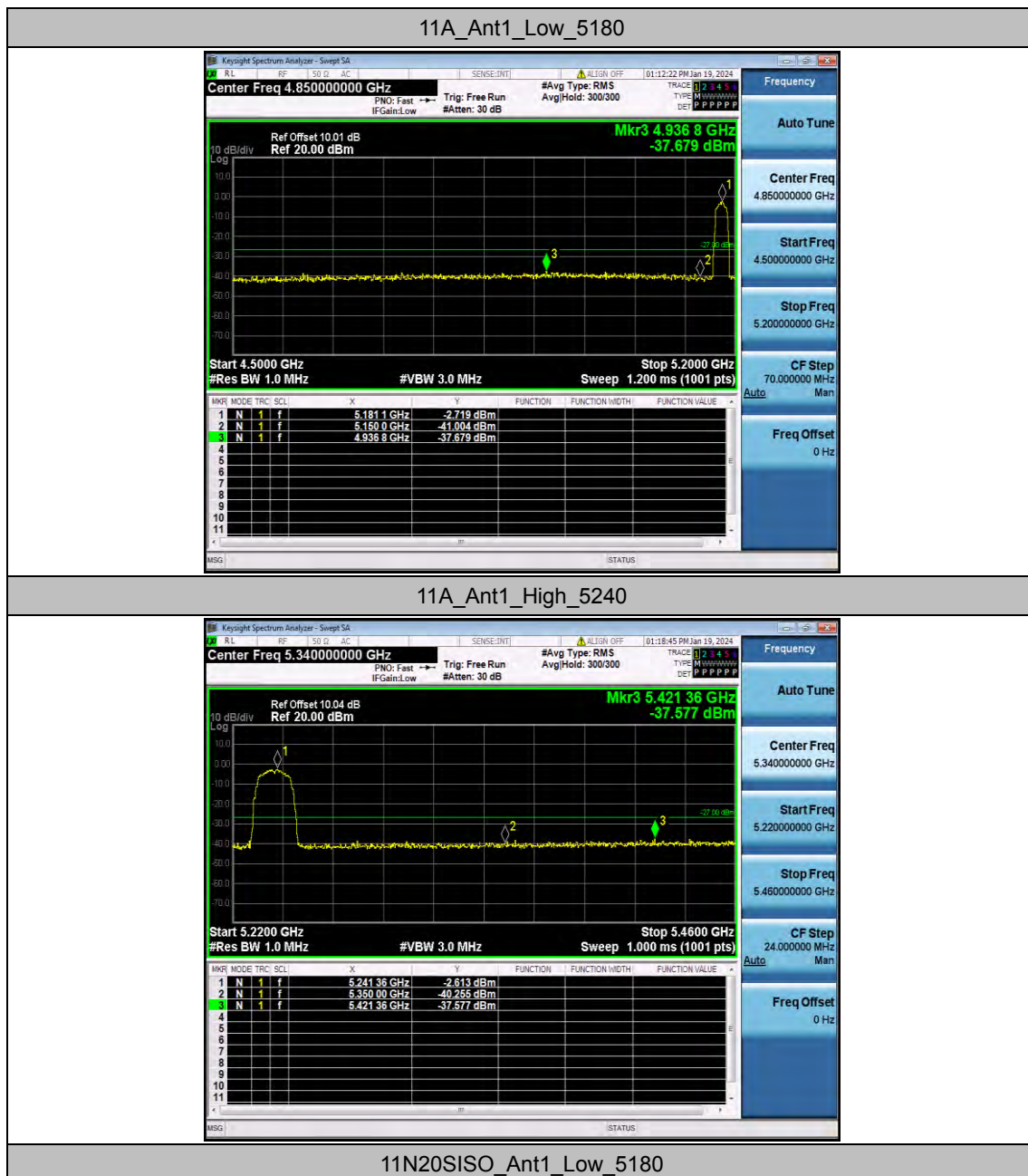
11AC80SISO_Ant1_5210

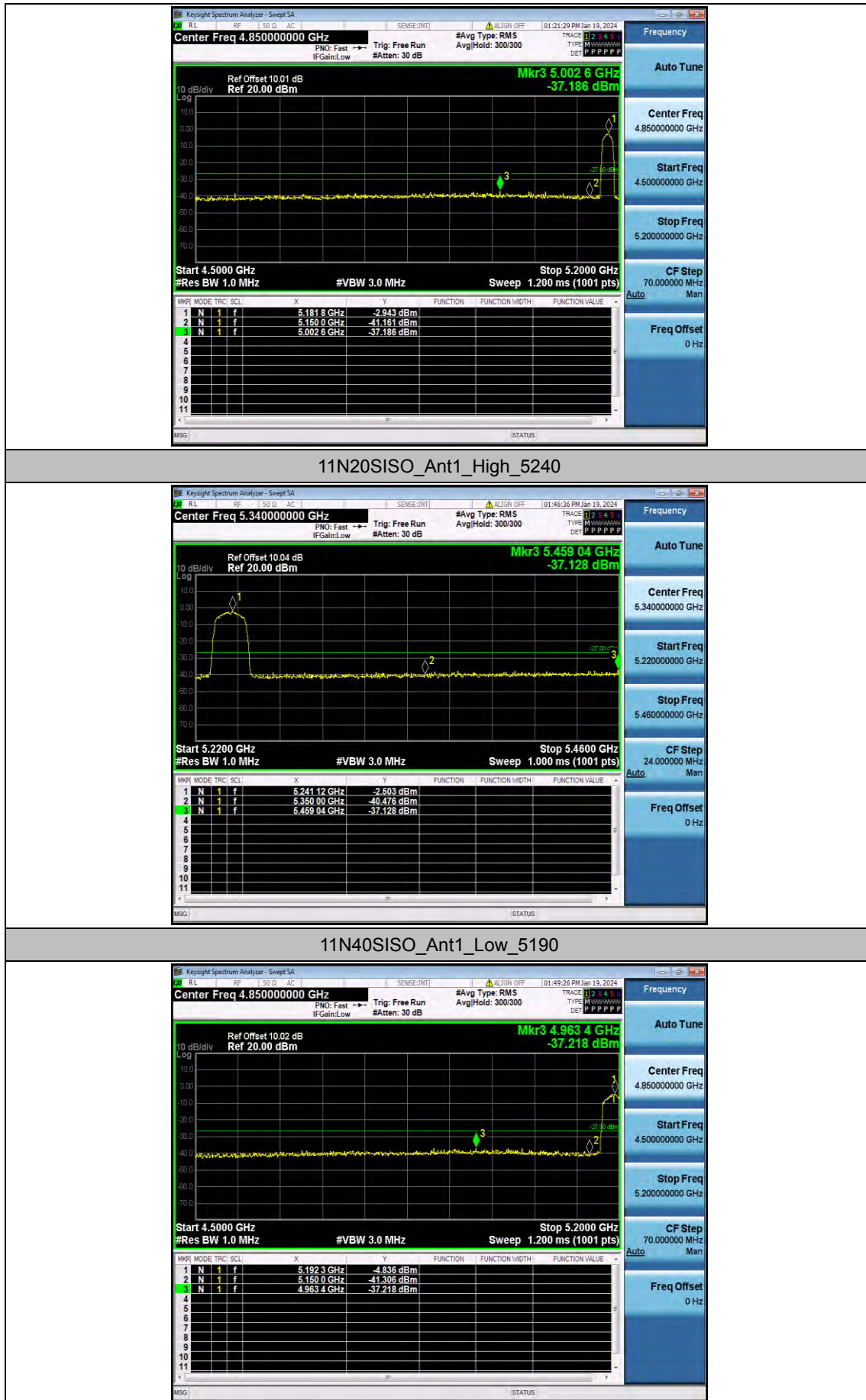
Appendix D.6: Band edge measurements

Test Result B1

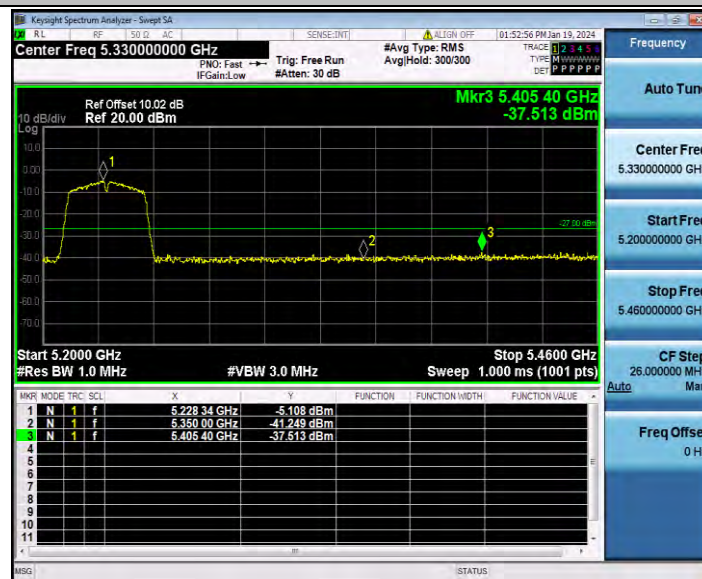
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.68	≤ -27	PASS
		High	5240	-37.58	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-37.19	≤ -27	PASS
		High	5240	-37.13	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-37.22	≤ -27	PASS
		High	5230	-37.51	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-37.05	≤ -27	PASS
		High	5240	-37.52	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-36.98	≤ -27	PASS
		High	5230	-37.22	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-37.18	≤ -27	PASS
		High	5210	-37.97	≤ -27	PASS

Test Graphs B1

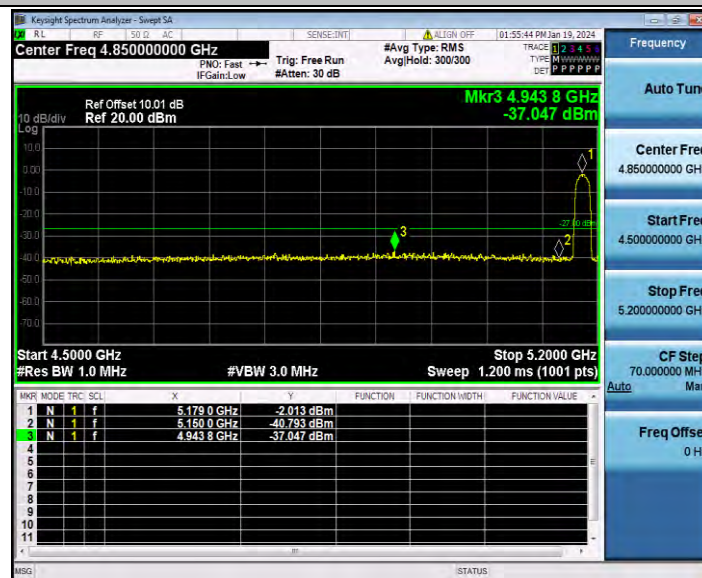




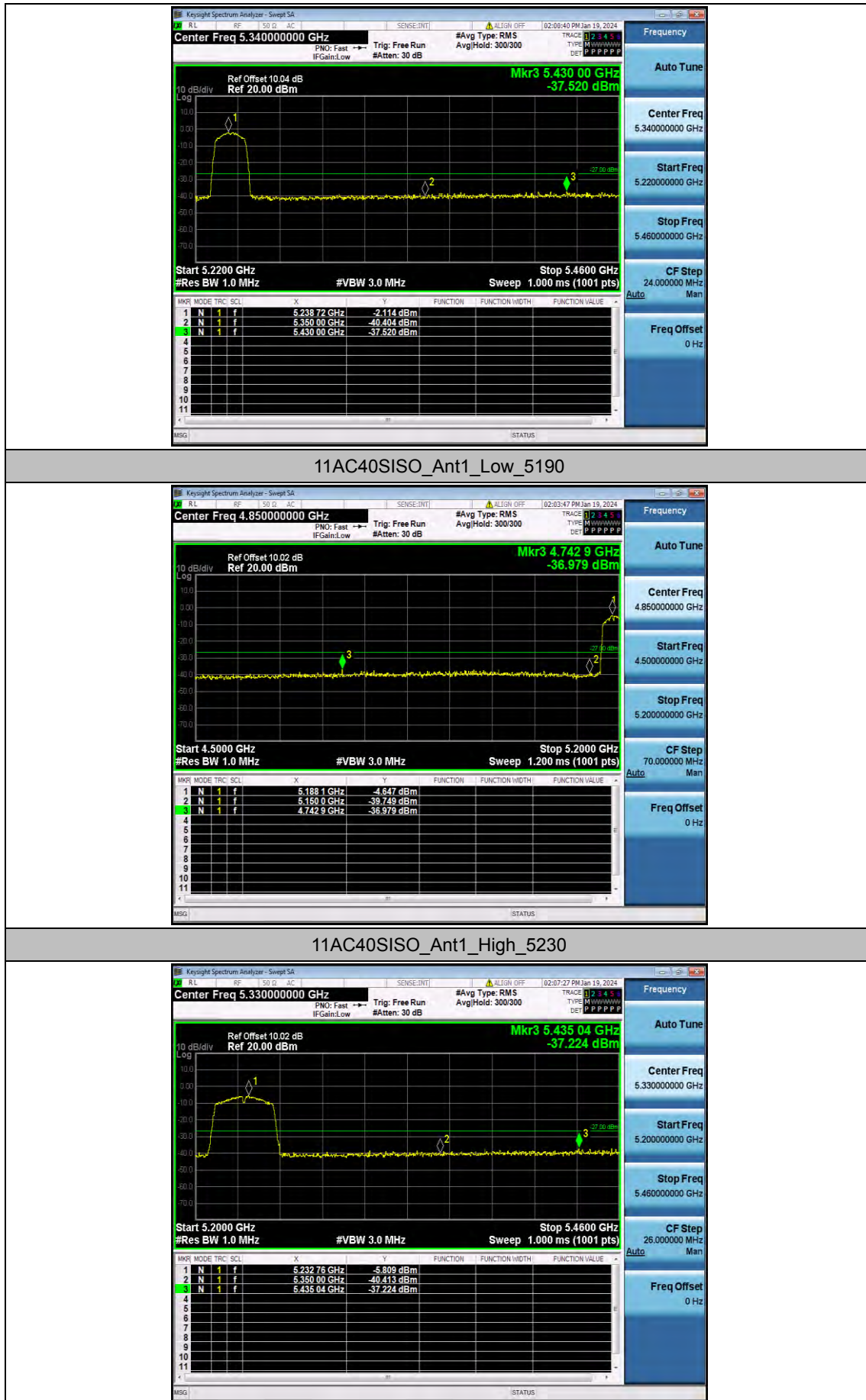
11N40SISO_Ant1_High_5230



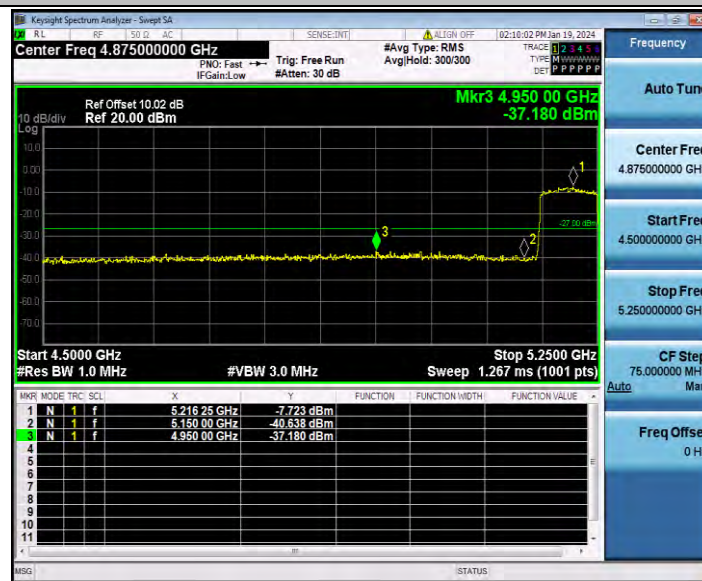
11AC20SISO_Ant1_Low_5180



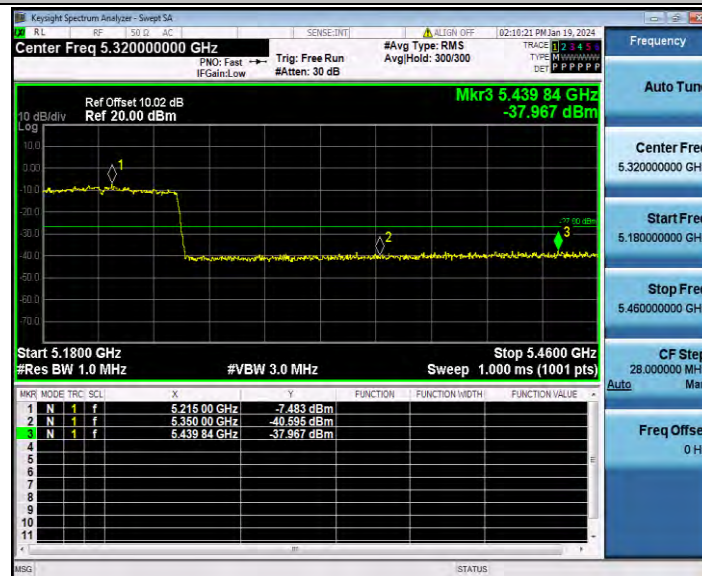
11AC20SISO_Ant1_High_5240



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix D.7: Conducted Spurious Emission

Test Result

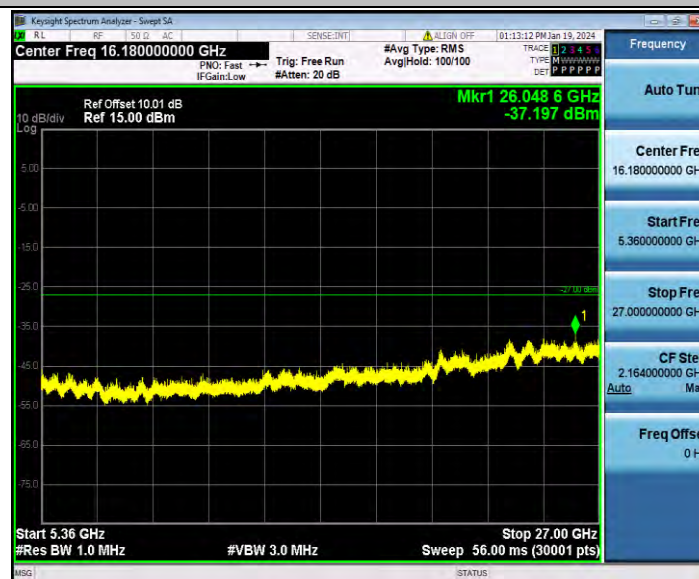
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	2956.33	-46.78	≤-27	PASS
			5360~40000	26048.56	-37.2	≤-27	PASS
		5200	30~5140	4892.17	-46.09	≤-27	PASS
			5360~40000	24825.18	-37.63	≤-27	PASS
		5240	30~5140	3185.77	-46.19	≤-27	PASS
			5360~40000	24329.62	-37.76	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	828.01	-44.95	≤-27	PASS
			5360~40000	24288.51	-36.93	≤-27	PASS
		5200	30~5140	2657.05	-45.23	≤-27	PASS
			5360~40000	24810.03	-37.66	≤-27	PASS
		5240	30~5140	1737.76	-41.53	≤-27	PASS
			5360~40000	24249.56	-37.54	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	4931.34	-45.97	≤-27	PASS
			5360~40000	24255.33	-37	≤-27	PASS
		5230	30~5140	2703.72	-45.64	≤-27	PASS
			5360~40000	23560.68	-37.22	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	3174.18	-46.26	≤-27	PASS
			5360~40000	25189.45	-37.45	≤-27	PASS
		5200	30~5140	1747.98	-39.5	≤-27	PASS
			5360~40000	24796.33	-37.35	≤-27	PASS
		5240	30~5140	3189.68	-45.7	≤-27	PASS
			5360~40000	24212.77	-37.52	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	2516.02	-45.3	≤-27	PASS
			5360~40000	24234.41	-37.24	≤-27	PASS
		5230	30~5140	4766.63	-46.05	≤-27	PASS
			5360~40000	26244.76	-37.61	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	2636.95	-45.97	≤-27	PASS
			5360~40000	24818.69	-37.26	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



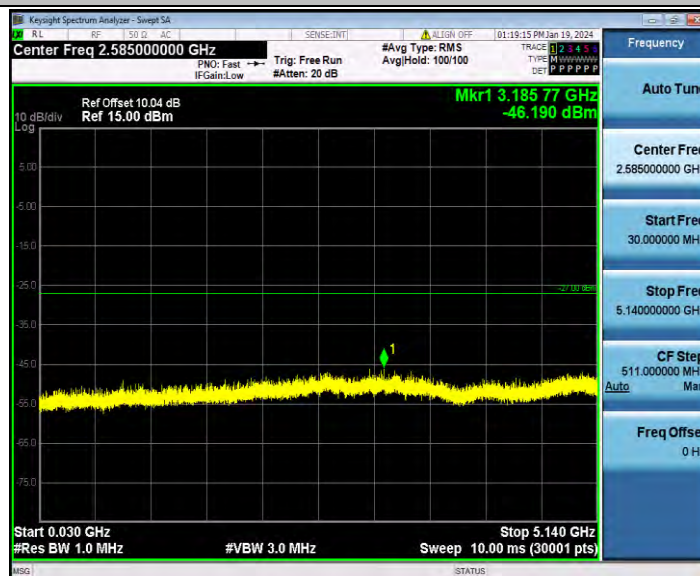
11A_Ant1_5200_30~5140



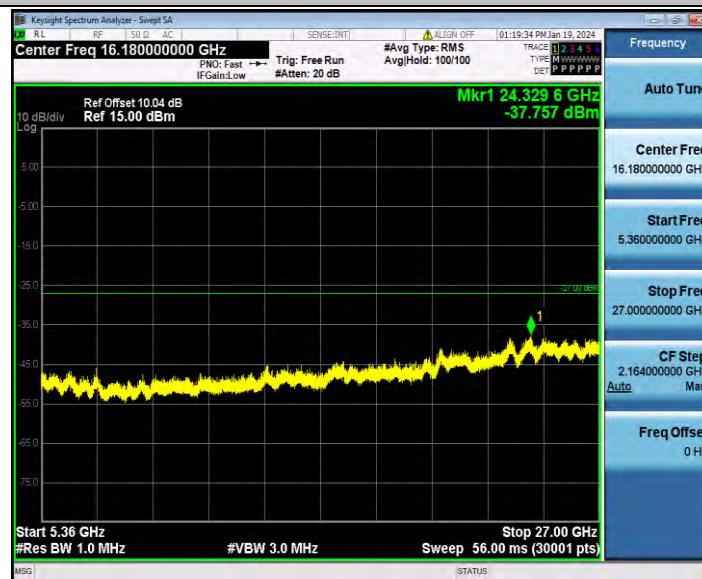
11A_Ant1_5200_5360~40000



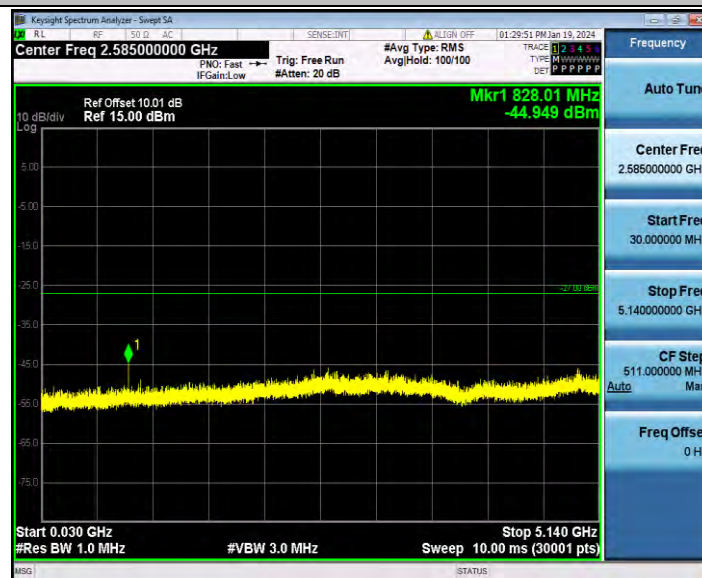
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



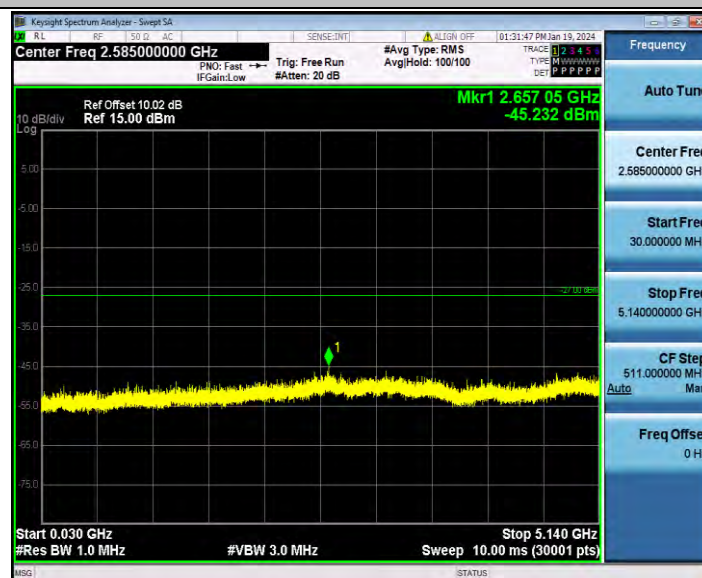
11N20SISO_Ant1_5180_30~5140



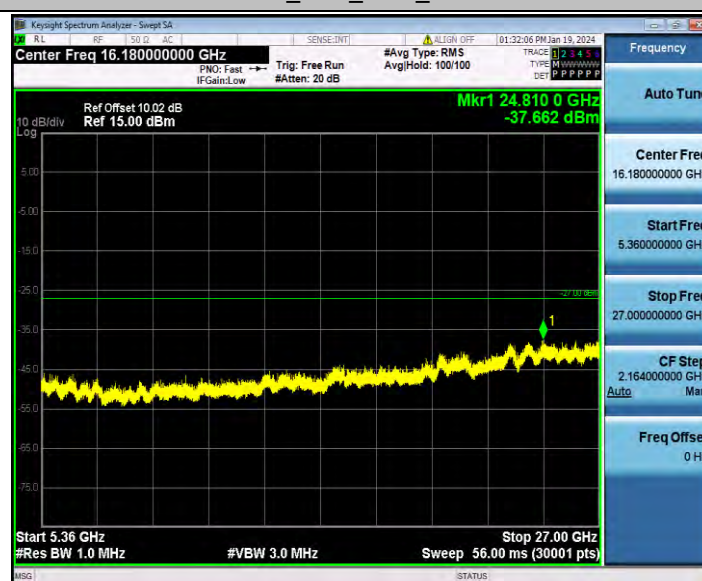
11N20SISO_Ant1_5180_5360~40000



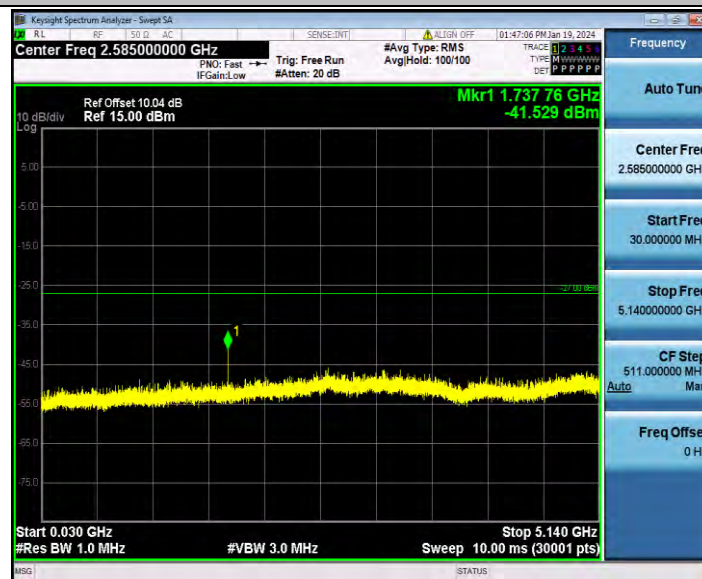
11N20SISO_Ant1_5200_30~5140



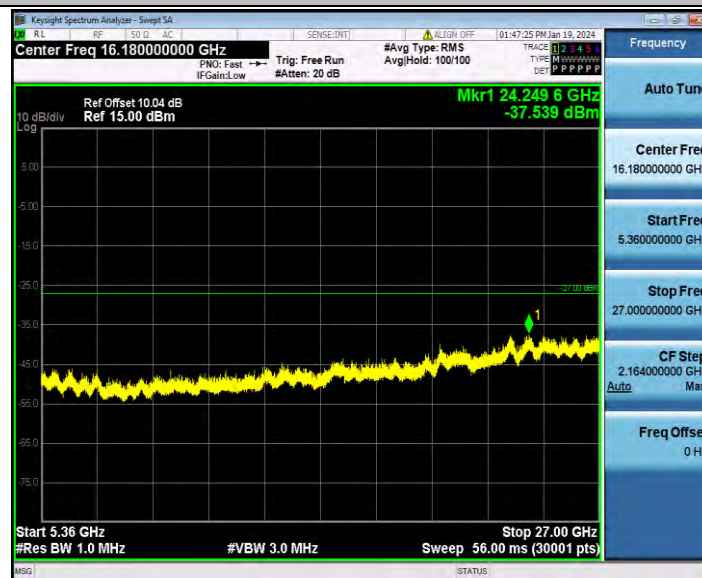
11N20SISO_Ant1_5200_5360~40000



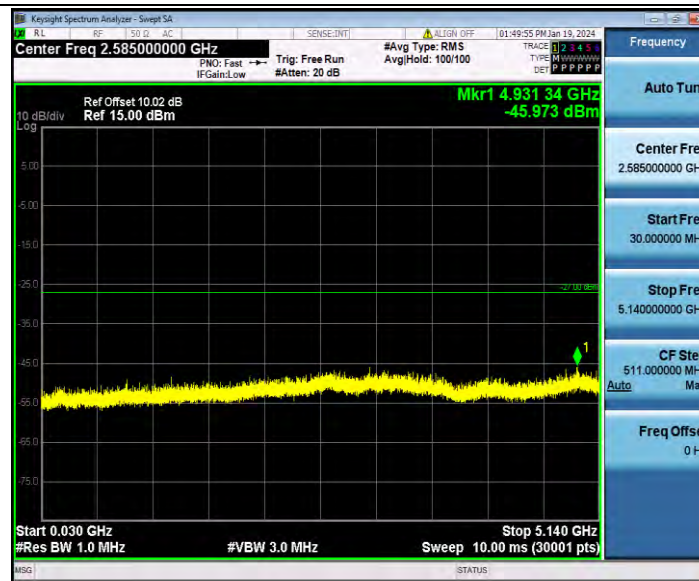
11N20SISO_Ant1_5240_30~5140



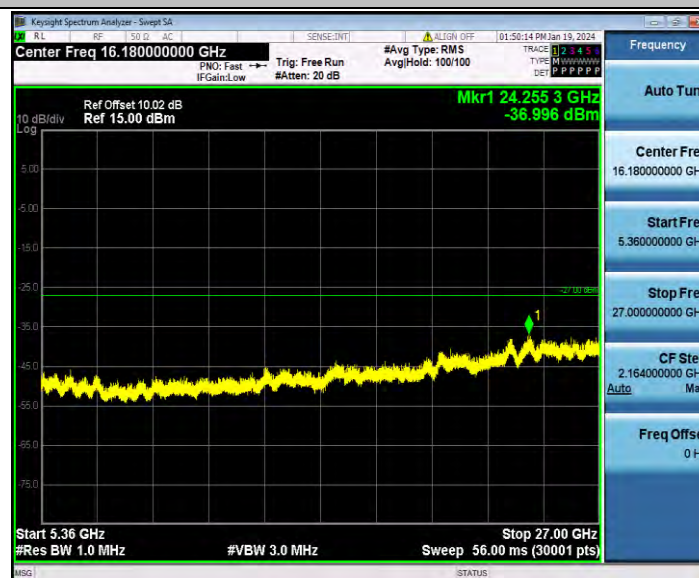
11N20SISO_Ant1_5240_5360~40000



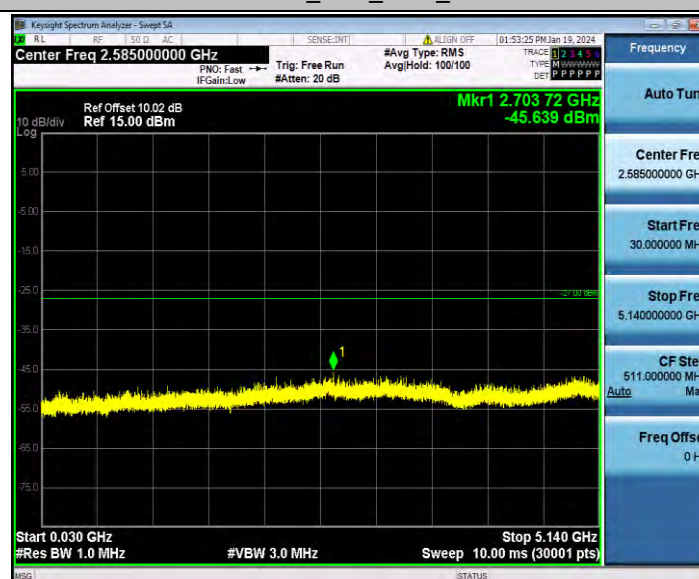
11N40SISO_Ant1_5190_30~5140



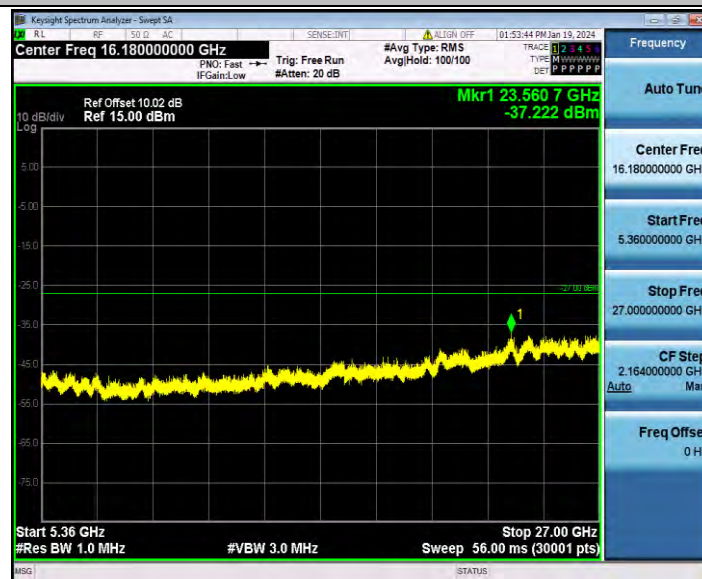
11N40SISO_Ant1_5190_5360~40000



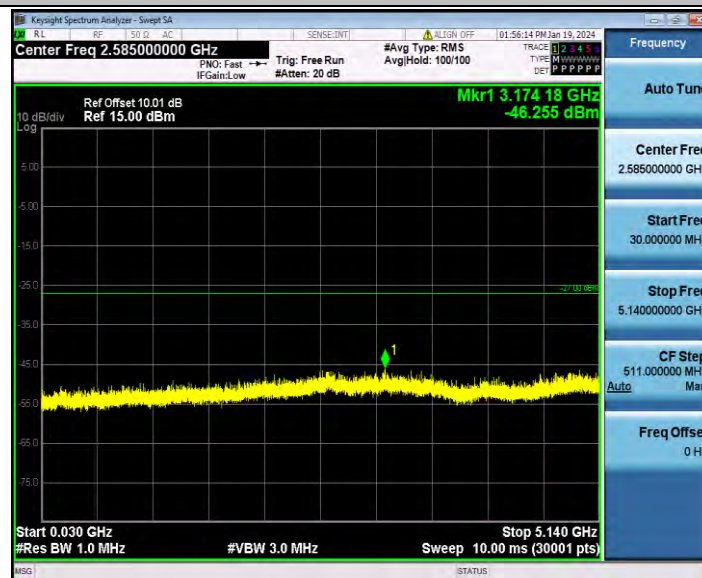
11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~40000



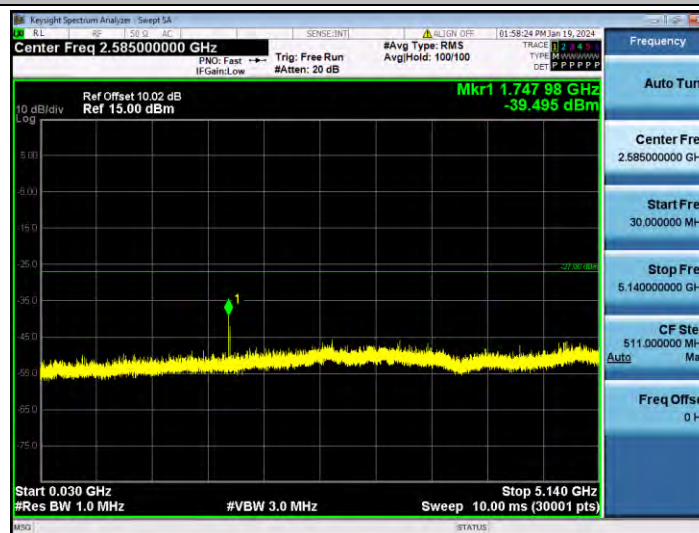
11AC20SISO_Ant1_5180_30~5140



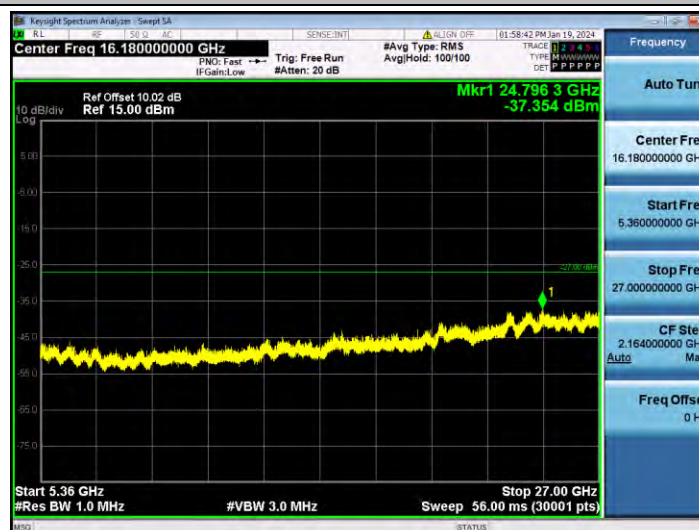
11AC20SISO_Ant1_5180_5360~40000



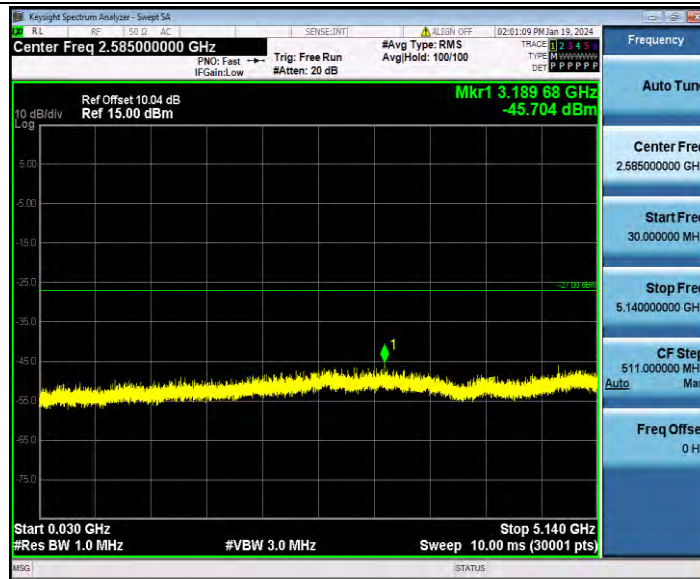
11AC20SISO_Ant1_5200_30~5140



11AC20SISO_Ant1_5200_5360~40000



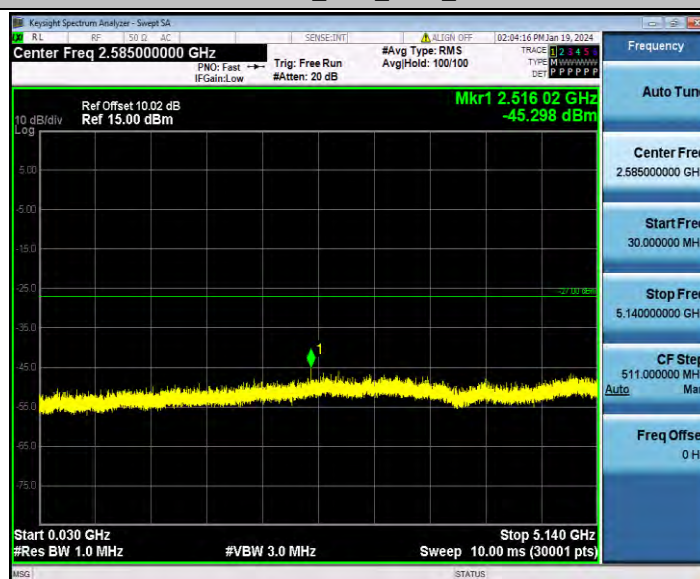
11AC20SISO_Ant1_5240_30~5140



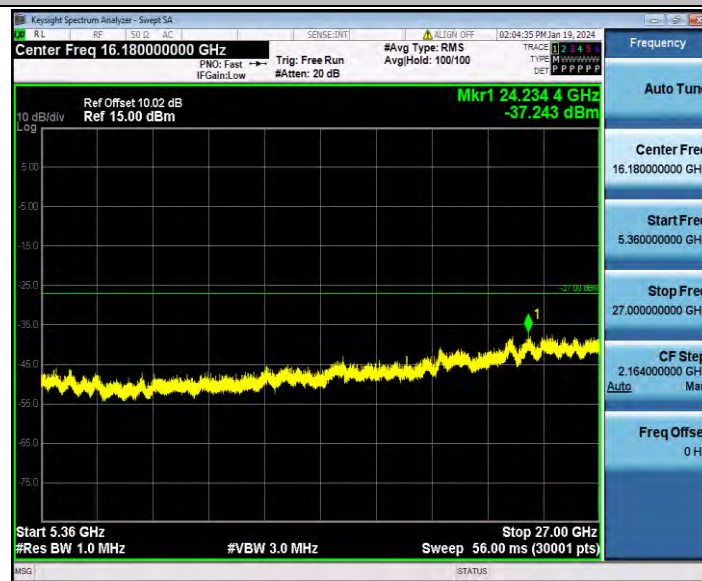
11AC20SISO_Ant1_5240_5360~40000



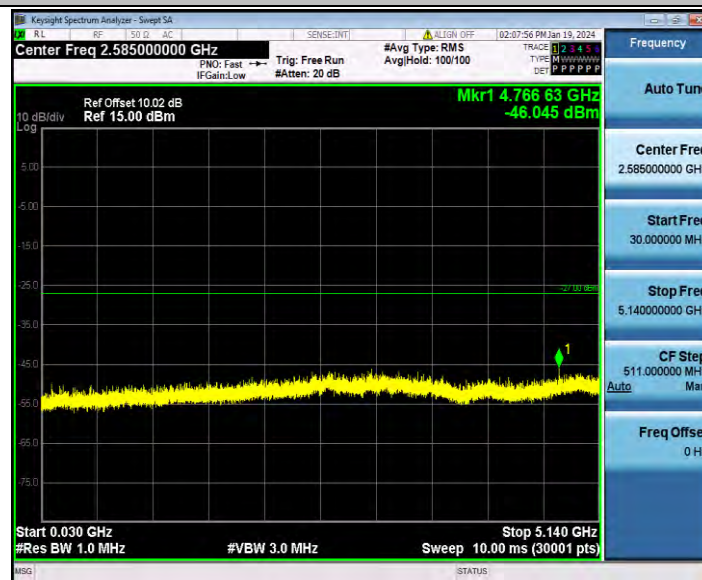
11AC40SISO_Ant1_5190_30~5140



11AC40SISO_Ant1_5190_5360~40000



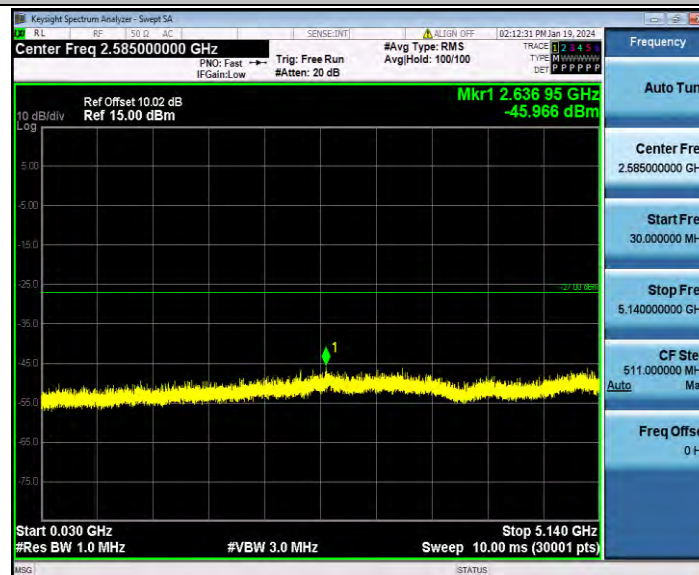
11AC40SISO_Ant1_5230_30~5140



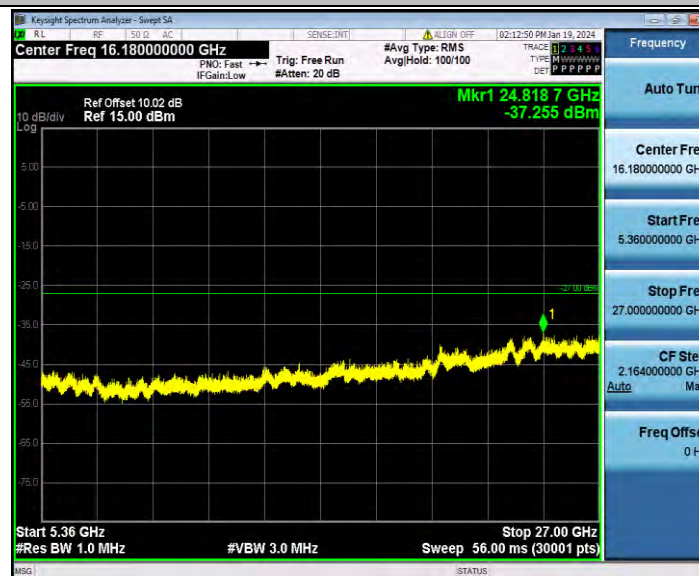
11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_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	-48.17	≤-41.20	47.03	≤54	PASS
				AV	4922.100	-45.49	≤-41.20	49.71	≤54	PASS
				AV	5150.000	-47.43	≤-41.20	47.77	≤54	PASS
				Peak	4500.000	-45.04	≤-21.20	50.16	≤74	PASS
				Peak	5135.600	-37.68	≤-21.20	57.52	≤74	PASS
				Peak	5150.000	-40.11	≤-21.20	55.09	≤74	PASS
		High	5240	AV	5350.000	-47.03	≤-41.20	48.17	≤54	PASS
				AV	5444.400	-45.73	≤-41.20	49.47	≤54	PASS
				AV	5460.000	-46.15	≤-41.20	49.05	≤54	PASS
				Peak	5350.000	-42.35	≤-21.20	52.85	≤74	PASS
				Peak	5445.600	-38.51	≤-21.20	56.69	≤74	PASS
				Peak	5460.000	-45.71	≤-21.20	49.49	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-48.05	≤-41.20	47.15	≤54	PASS
				AV	4948.000	-45.44	≤-41.20	49.76	≤54	PASS
				AV	5150.000	-47.17	≤-41.20	48.03	≤54	PASS
				Peak	4500.000	-43.12	≤-21.20	52.08	≤74	PASS
				Peak	4845.100	-37.65	≤-21.20	57.55	≤74	PASS
				Peak	5150.000	-41.82	≤-21.20	53.38	≤74	PASS
		High	5240	AV	5350.000	-46.67	≤-41.20	48.53	≤54	PASS
				AV	5431.200	-45.5	≤-41.20	49.70	≤54	PASS
				AV	5460.000	-45.93	≤-41.20	49.27	≤54	PASS
				Peak	5350.000	-42.08	≤-21.20	53.12	≤74	PASS
				Peak	5441.520	-37.96	≤-21.20	57.24	≤74	PASS
				Peak	5460.000	-42.66	≤-21.20	52.54	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-47.8	≤-41.20	47.40	≤54	PASS
				AV	4986.500	-45.07	≤-41.20	50.13	≤54	PASS
				AV	5150.000	-46.6	≤-41.20	48.60	≤54	PASS
				Peak	4500.000	-43.66	≤-21.20	51.54	≤74	PASS
				Peak	5001.900	-37.08	≤-21.20	58.12	≤74	PASS
				Peak	5150.000	-43.55	≤-21.20	51.65	≤74	PASS
		High	5230	AV	5350.000	-46.6	≤-41.20	48.60	≤54	PASS
				AV	5407.220	-45.33	≤-41.20	49.87	≤54	PASS
				AV	5460.000	-45.67	≤-41.20	49.53	≤54	PASS
				Peak	5350.000	-43.7	≤-21.20	51.50	≤74	PASS
				Peak	5438.940	-37.36	≤-21.20	57.84	≤74	PASS
				Peak	5460.000	-46.09	≤-21.20	49.11	≤74	PASS

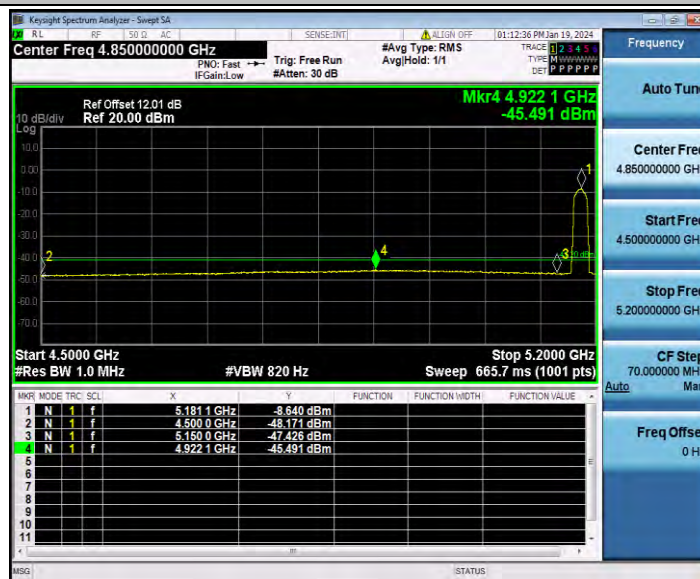
11AC20SI SO	Ant1	Low	5180	AV	4500.000	-48.03	≤ -41.20	47.17	≤ 54	PASS
				AV	4943.800	-45.18	≤ -41.20	50.02	≤ 54	PASS
				AV	5150.000	-47.42	≤ -41.20	47.78	≤ 54	PASS
				Peak	4500.000	-45.96	≤ -21.20	49.24	≤ 74	PASS
				Peak	4855.600	-37.88	≤ -21.20	57.32	≤ 74	PASS
				Peak	5150.000	-43.49	≤ -21.20	51.71	≤ 74	PASS
		High	5240	AV	5350.000	-46.44	≤ -41.20	48.76	≤ 54	PASS
				AV	5452.320	-45.53	≤ -41.20	49.67	≤ 54	PASS
				AV	5460.000	-45.66	≤ -41.20	49.54	≤ 54	PASS
				Peak	5350.000	-38.62	≤ -21.20	56.58	≤ 74	PASS
				Peak	5389.680	-37.22	≤ -21.20	57.98	≤ 74	PASS
				Peak	5460.000	-39.72	≤ -21.20	55.48	≤ 74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-47.75	≤ -41.20	47.45	≤ 54	PASS
				AV	4945.200	-45.12	≤ -41.20	50.08	≤ 54	PASS
				AV	5150.000	-46.98	≤ -41.20	48.22	≤ 54	PASS
				Peak	4500.000	-46.78	≤ -21.20	48.42	≤ 74	PASS
				Peak	5007.500	-37.63	≤ -21.20	57.57	≤ 74	PASS
				Peak	5150.000	-46.15	≤ -21.20	49.05	≤ 74	PASS
		High	5230	AV	5350.000	-46.4	≤ -41.20	48.80	≤ 54	PASS
				AV	5435.040	-45.27	≤ -41.20	49.93	≤ 54	PASS
				AV	5460.000	-45.52	≤ -41.20	49.68	≤ 54	PASS
				Peak	5350.000	-41.7	≤ -21.20	53.50	≤ 74	PASS
				Peak	5395.260	-37.78	≤ -21.20	57.42	≤ 74	PASS
				Peak	5460.000	-46.08	≤ -21.20	49.12	≤ 74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-48.06	≤ -41.20	47.14	≤ 54	PASS
				AV	4944.750	-45.79	≤ -41.20	49.41	≤ 54	PASS
				AV	5150.000	-46.98	≤ -41.20	48.22	≤ 54	PASS
				Peak	4500.000	-48.62	≤ -21.20	46.58	≤ 74	PASS
				Peak	5122.500	-37.85	≤ -21.20	57.35	≤ 74	PASS
				Peak	5150.000	-45.9	≤ -21.20	49.30	≤ 74	PASS
		High	5210	AV	5350.000	-46.98	≤ -41.20	48.22	≤ 54	PASS
				AV	5454.680	-46.05	≤ -41.20	49.15	≤ 54	PASS
				AV	5460.000	-46.11	≤ -41.20	49.09	≤ 54	PASS
				Peak	5350.000	-43.77	≤ -21.20	51.43	≤ 74	PASS
				Peak	5439.280	-38.23	≤ -21.20	56.97	≤ 74	PASS
				Peak	5460.000	-41.99	≤ -21.20	53.21	≤ 74	PASS

Note:

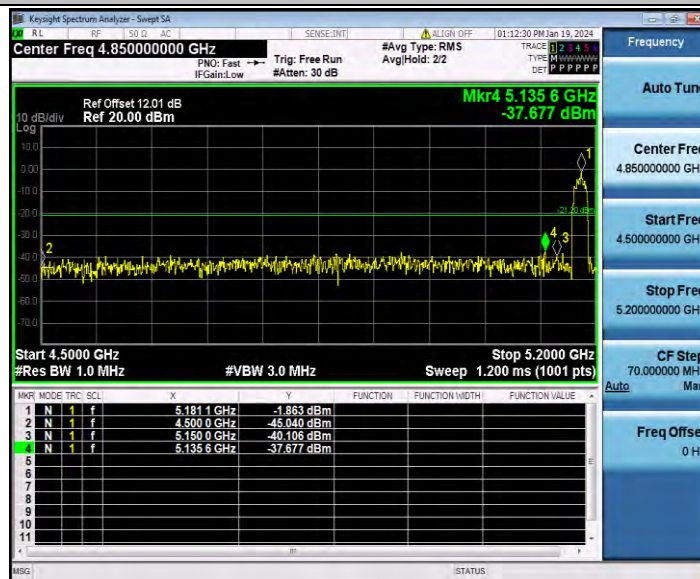
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

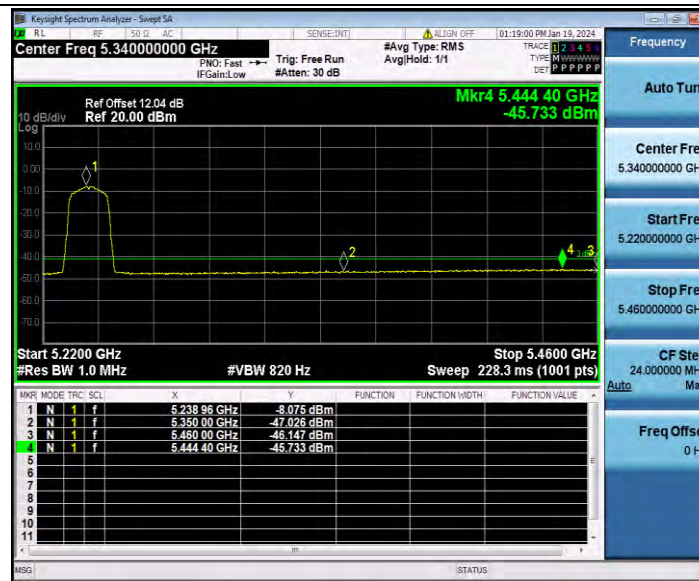
11A_Ant1_Low_5180_AV



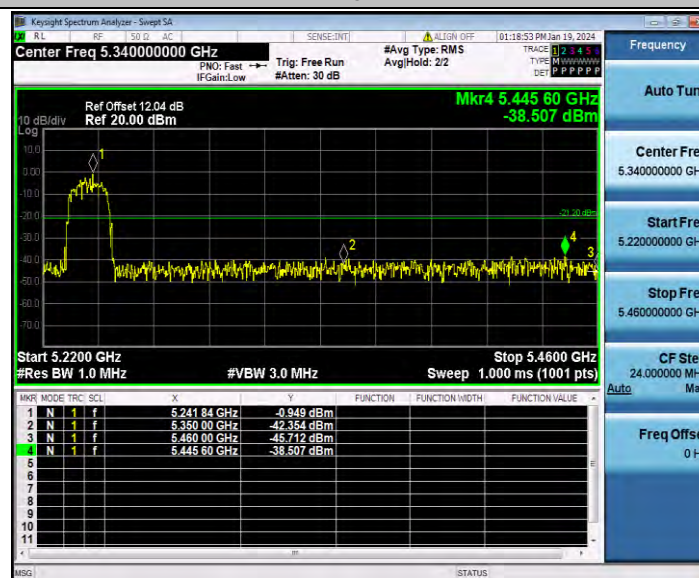
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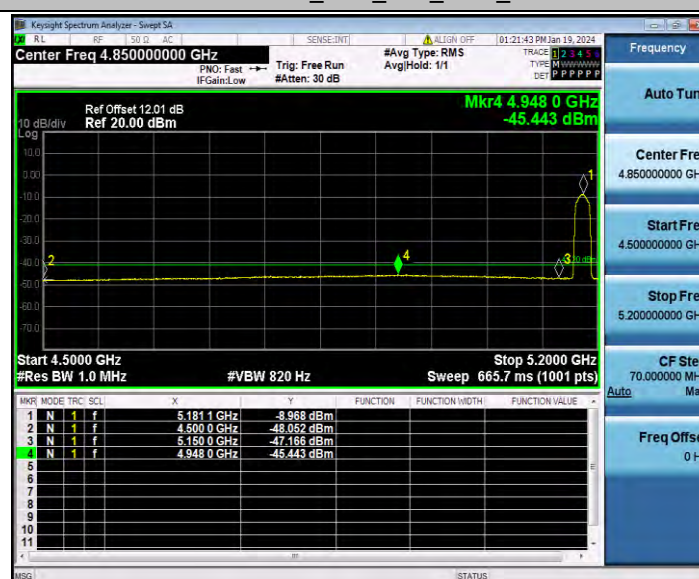
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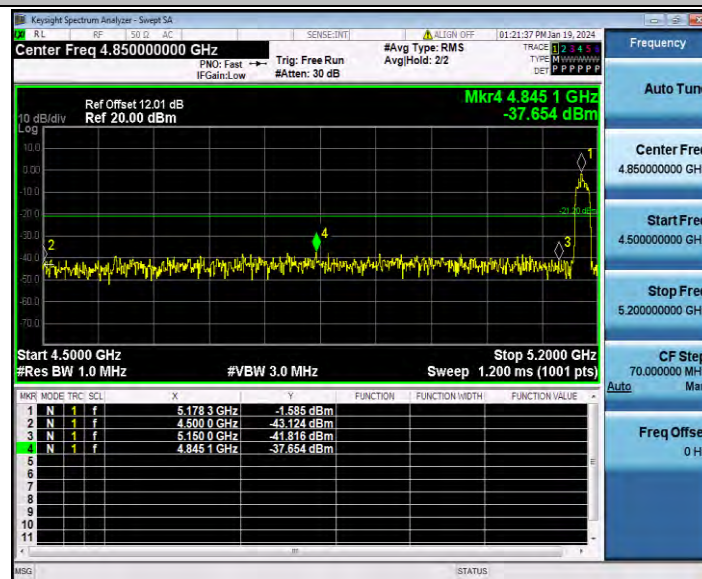
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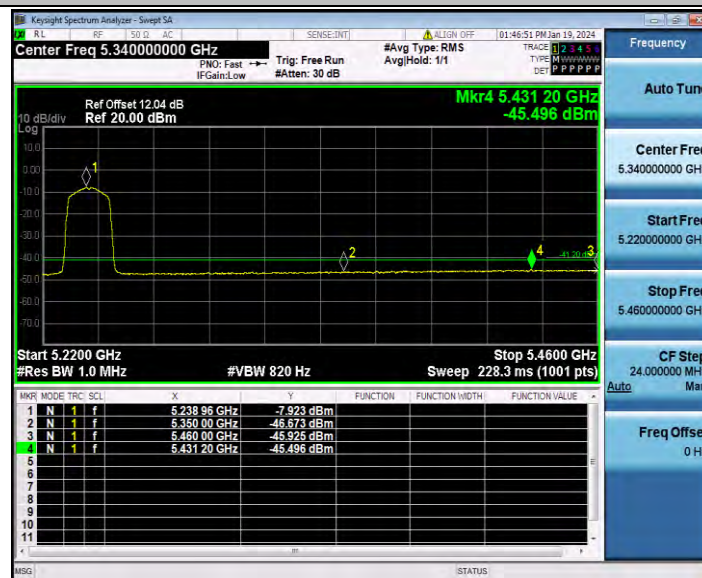
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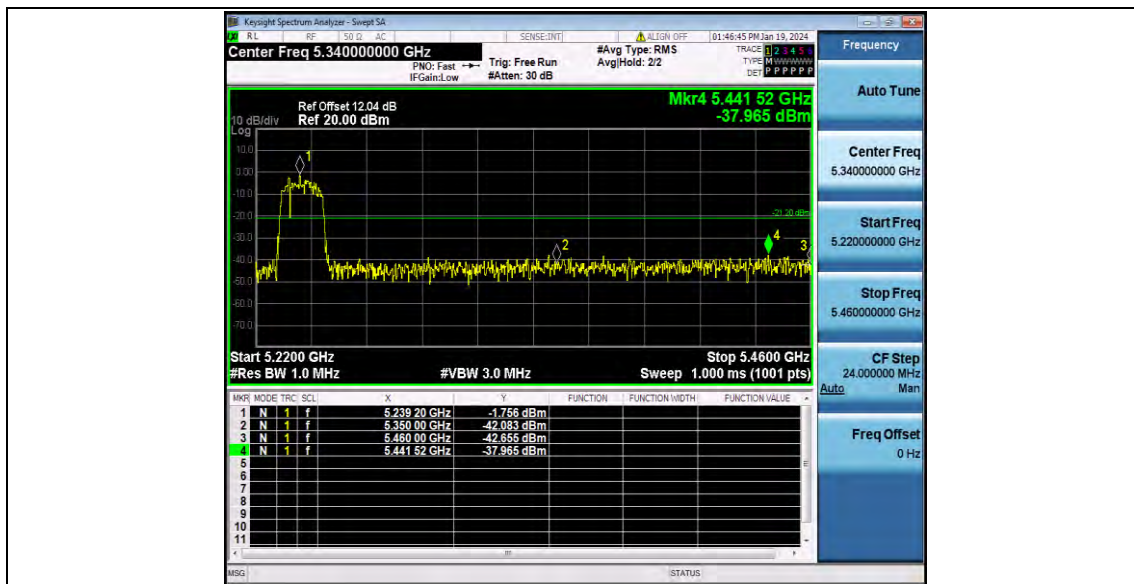
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11N20SISO_Ant1_High_5240_AV



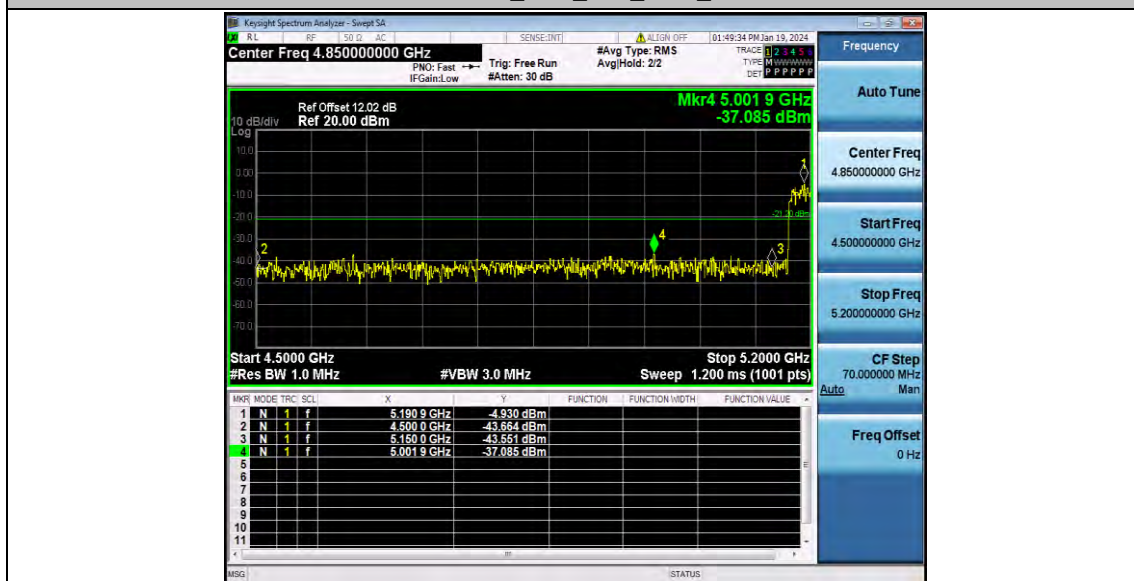
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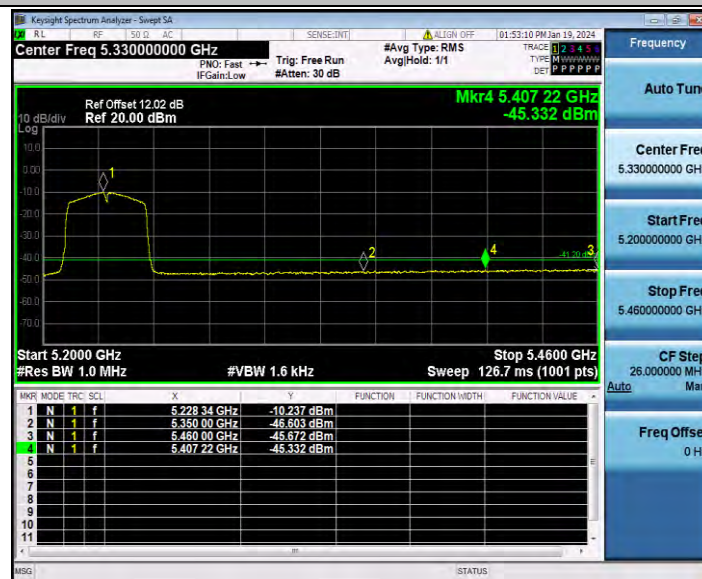
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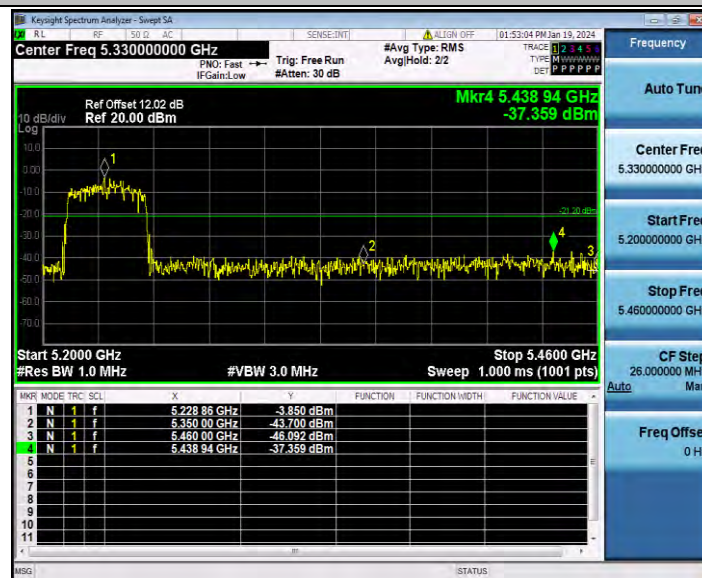
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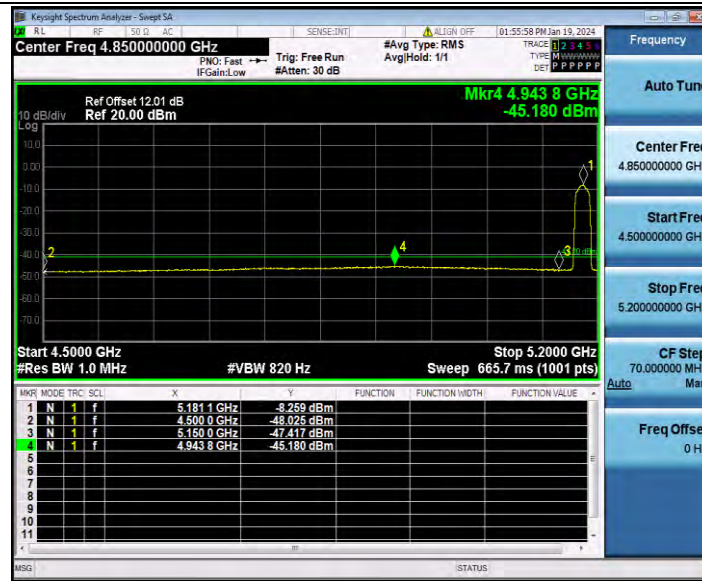
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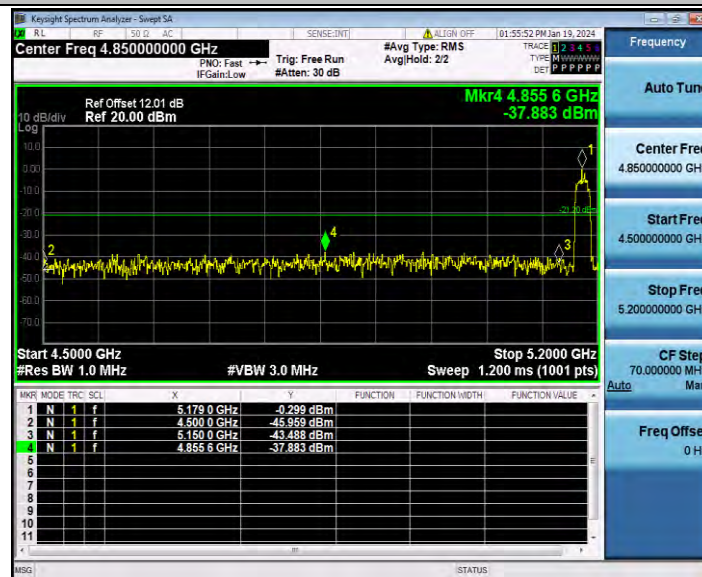
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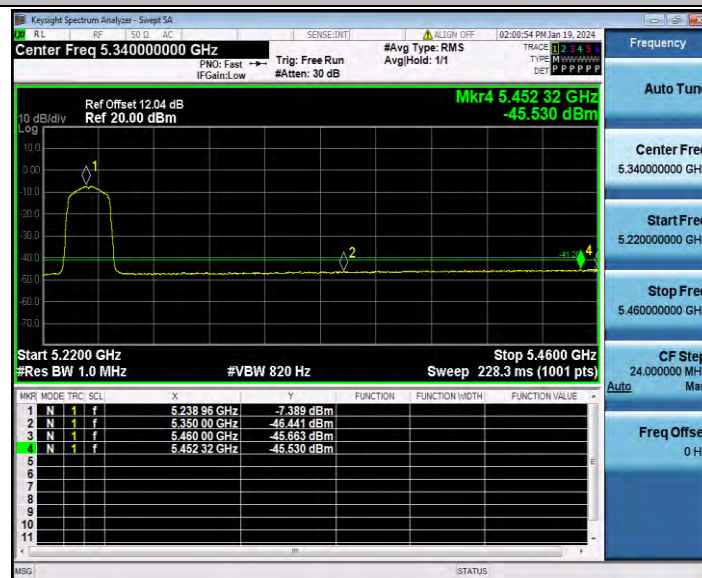
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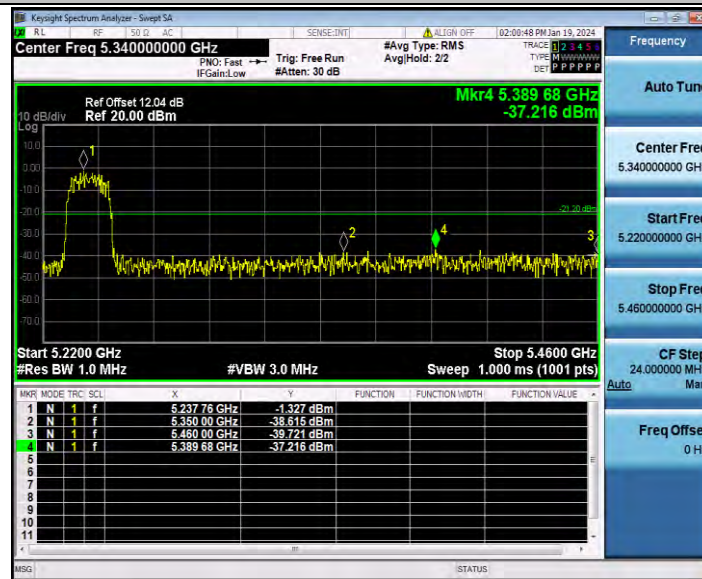
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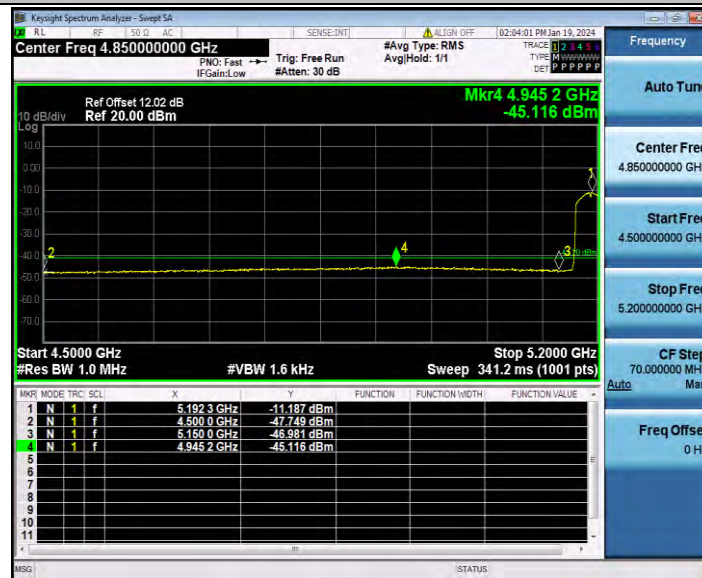
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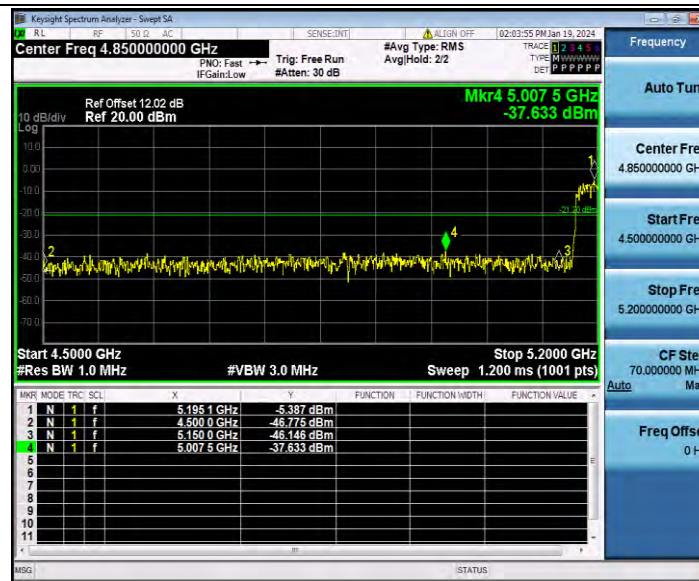
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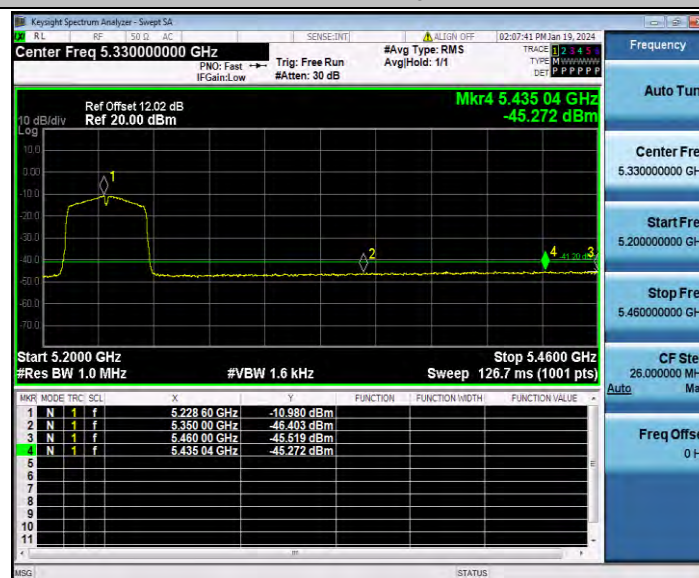
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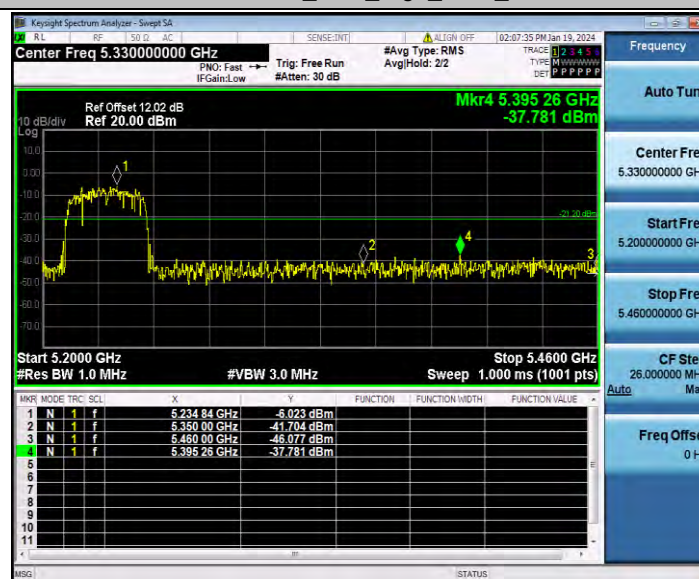
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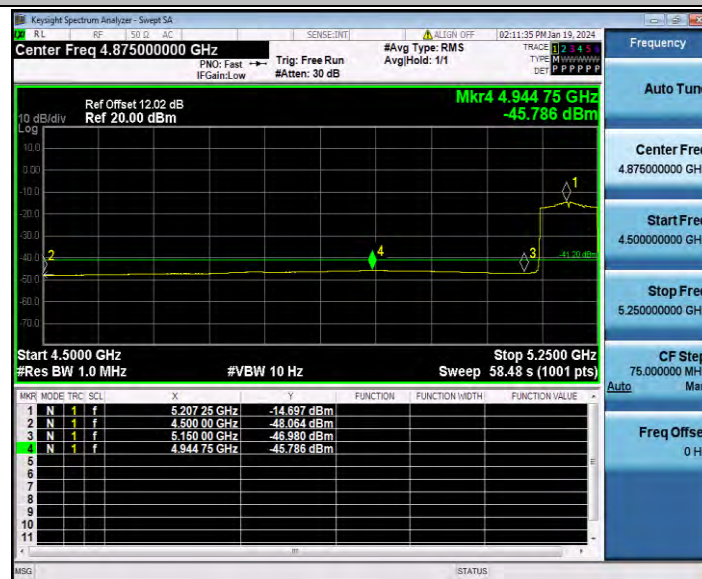
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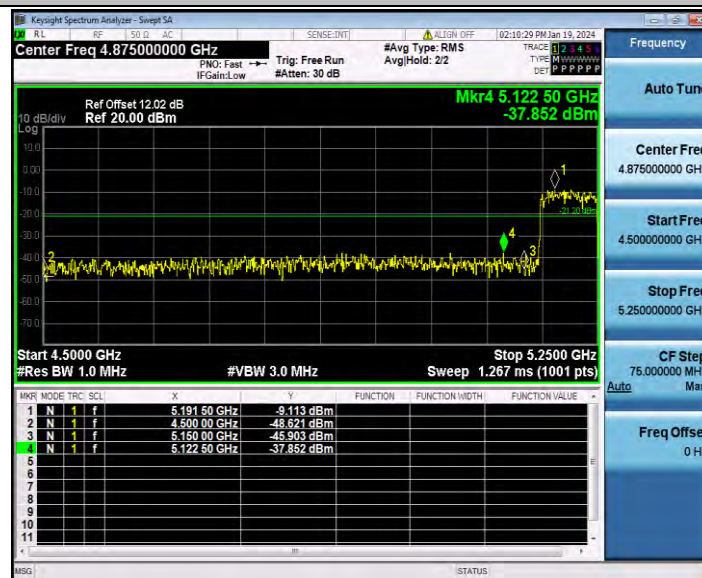
11AC40SISO_Ant1_High_5230_Peak



11AC80SISO_Ant1_Low_5210_AV



11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV

