

Appendix D.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.65	96.53	0.15	8.80	≤23.98	PASS
		5200	8.81	97.20	0.12	8.93	≤23.98	PASS
		5240	8.60	96.53	0.15	8.75	≤23.98	PASS
11N20 SISO	Ant1	5180	7.91	96.27	0.17	8.08	≤23.98	PASS
		5200	8.38	97.01	0.13	8.51	≤23.98	PASS
		5240	8.20	97.01	0.13	8.33	≤23.98	PASS
11N40 SISO	Ant1	5190	7.78	92.75	0.33	8.11	≤23.98	PASS
		5230	7.89	92.75	0.33	8.22	≤23.98	PASS
11AC20 SISO	Ant1	5180	8.52	97.06	0.13	8.65	≤23.98	PASS
		5200	8.59	96.32	0.16	8.75	≤23.98	PASS
		5240	8.26	97.04	0.13	8.39	≤23.98	PASS
11AC40 SISO	Ant1	5190	7.75	92.86	0.32	8.07	≤23.98	PASS
		5230	8.17	94.20	0.26	8.43	≤23.98	PASS
11AC80 SISO	Ant1	5210	7.44	91.67	0.38	7.82	≤23.98	PASS

Note:

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

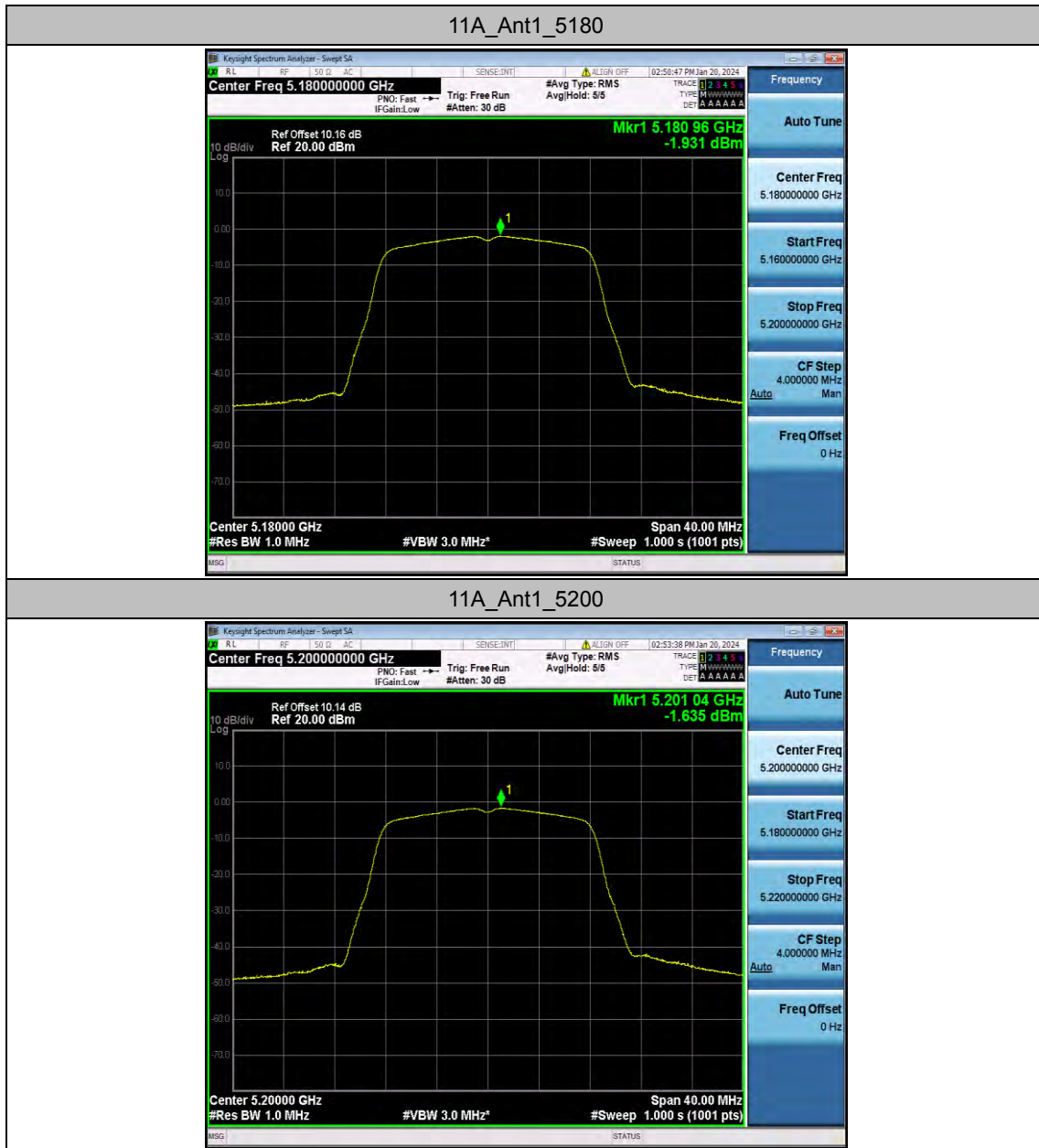
Appendix D.5: Maximum power spectral density

Test Result

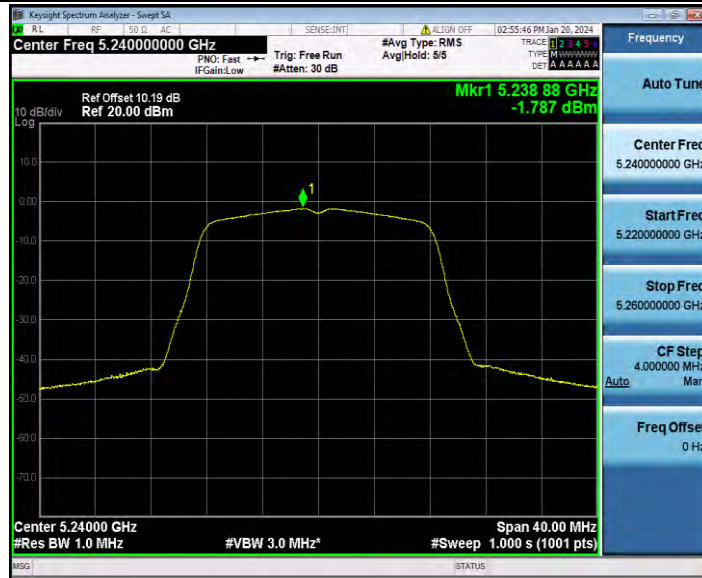
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.93	≤11.00	PASS
		5200	-1.64	≤11.00	PASS
		5240	-1.79	≤11.00	PASS
11N20SISO	Ant1	5180	-2.72	≤11.00	PASS
		5200	-2.31	≤11.00	PASS
		5240	-2.41	≤11.00	PASS
11N40SISO	Ant1	5190	-5.42	≤11.00	PASS
		5230	-5.34	≤11.00	PASS
11AC20SISO	Ant1	5180	-2.18	≤11.00	PASS
		5200	-2.05	≤11.00	PASS
		5240	-2.33	≤11.00	PASS
11AC40SISO	Ant1	5190	-5.45	≤11.00	PASS
		5230	-5.11	≤11.00	PASS
11AC80SISO	Ant1	5210	-7.30	≤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



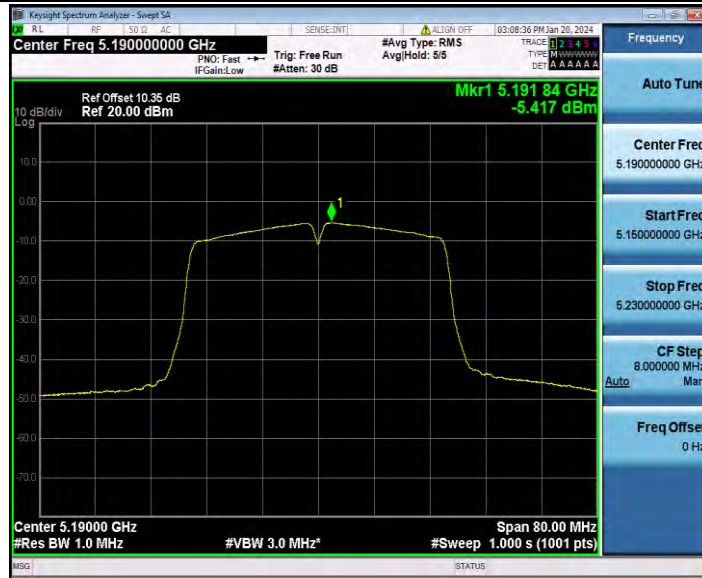
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



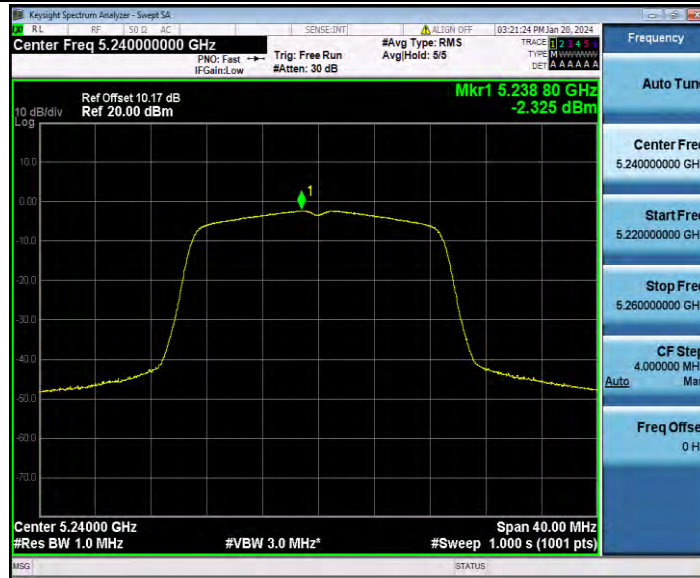
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



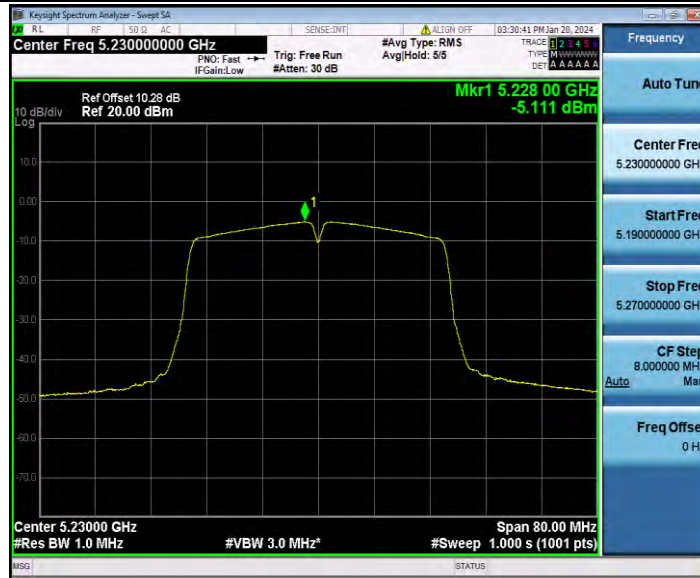
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

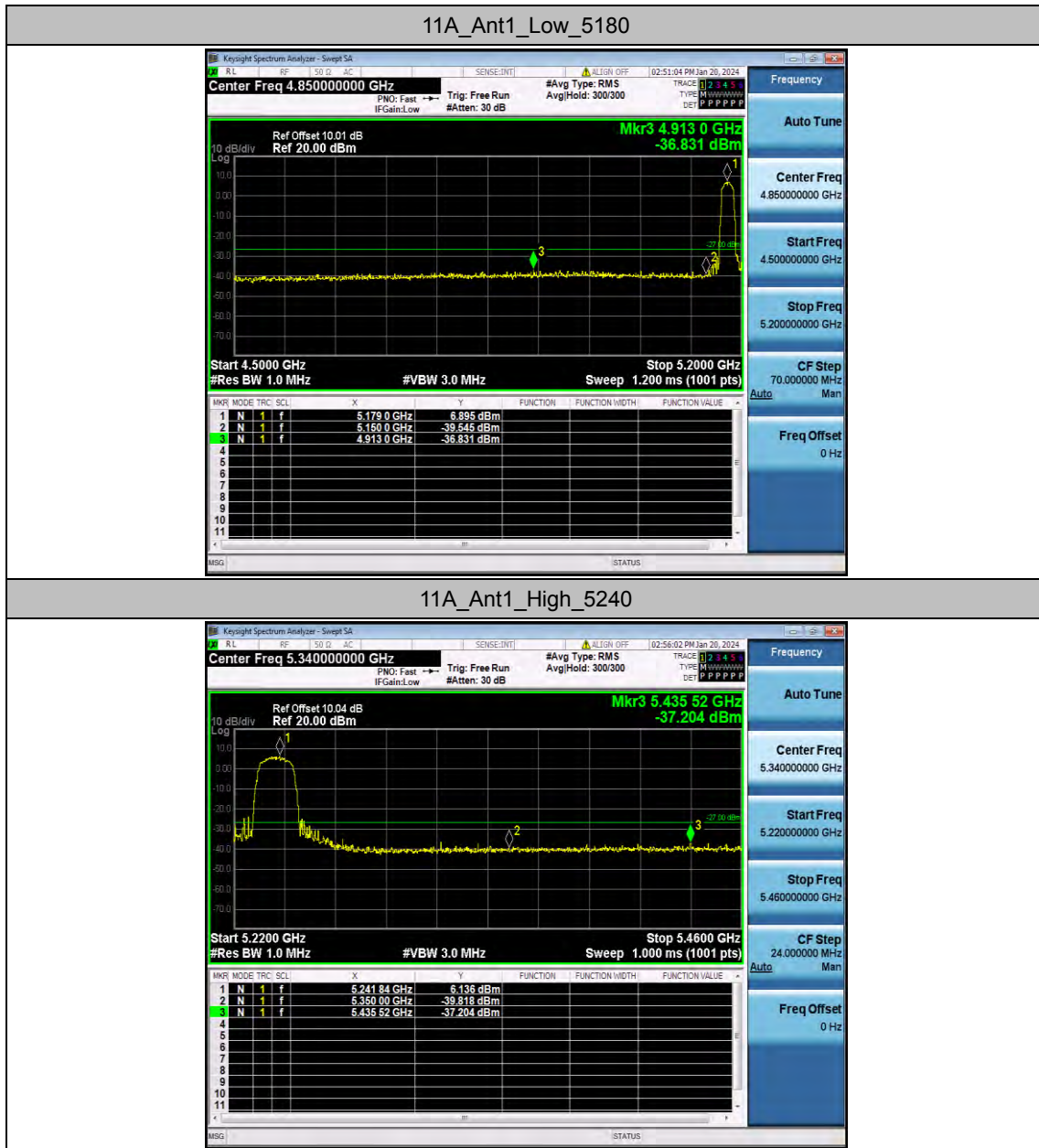


Appendix D.6: Band edge measurements

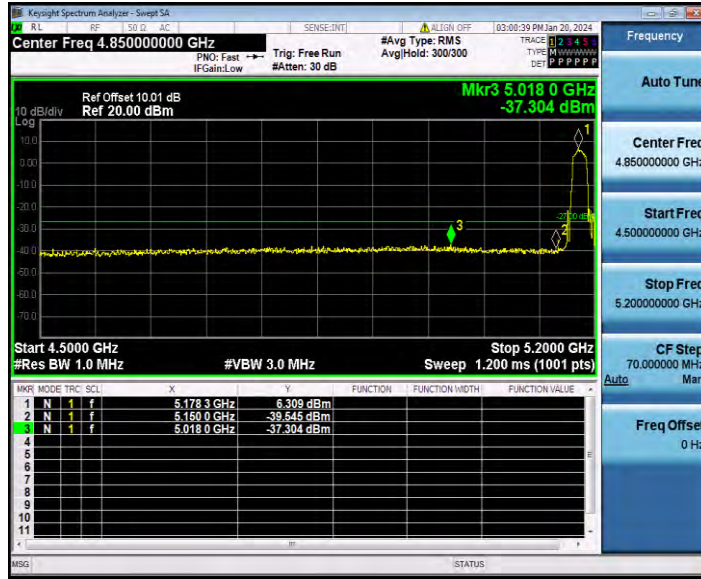
Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.83	≤-27	PASS
		High	5240	-37.2	≤-27	PASS
11N20SISO	Ant1	Low	5180	-37.3	≤-27	PASS
		High	5240	-37.31	≤-27	PASS
11N40SISO	Ant1	Low	5190	-32.92	≤-27	PASS
		High	5230	-37.82	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-37.08	≤-27	PASS
		High	5240	-36.89	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-37.52	≤-27	PASS
		High	5230	-36.64	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-37.48	≤-27	PASS
		High	5210	-37.42	≤-27	PASS

Test Graphs B1



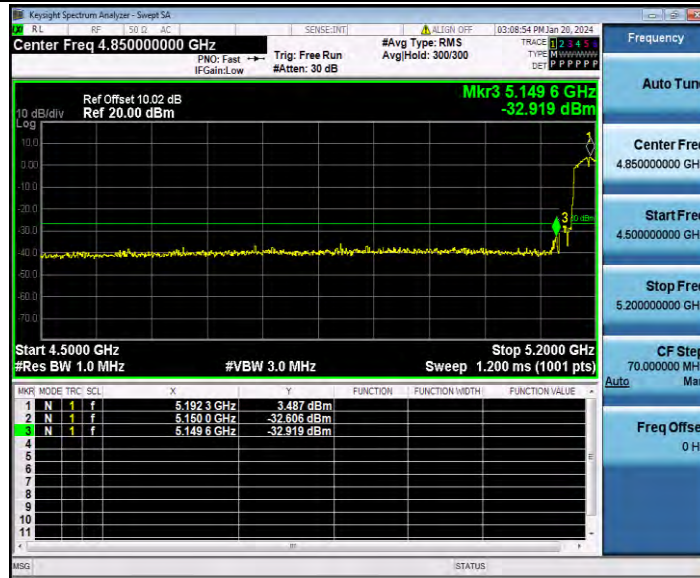
11N20SISO_Ant1_Low_5180



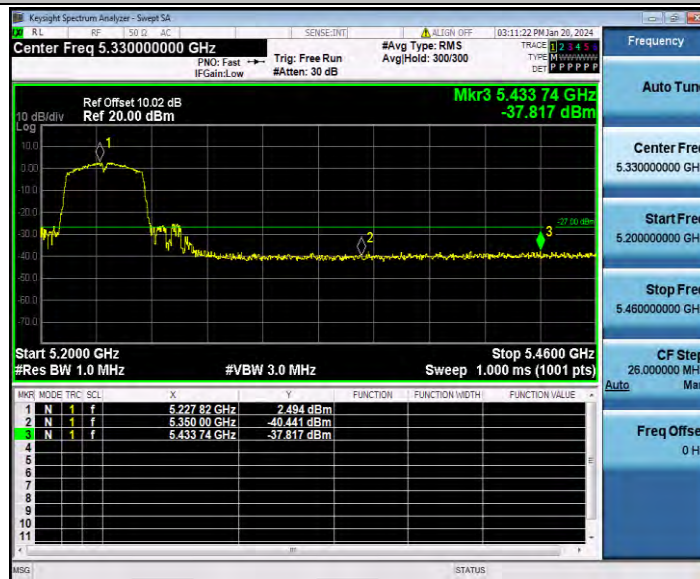
11N20SISO_Ant1_High_5240

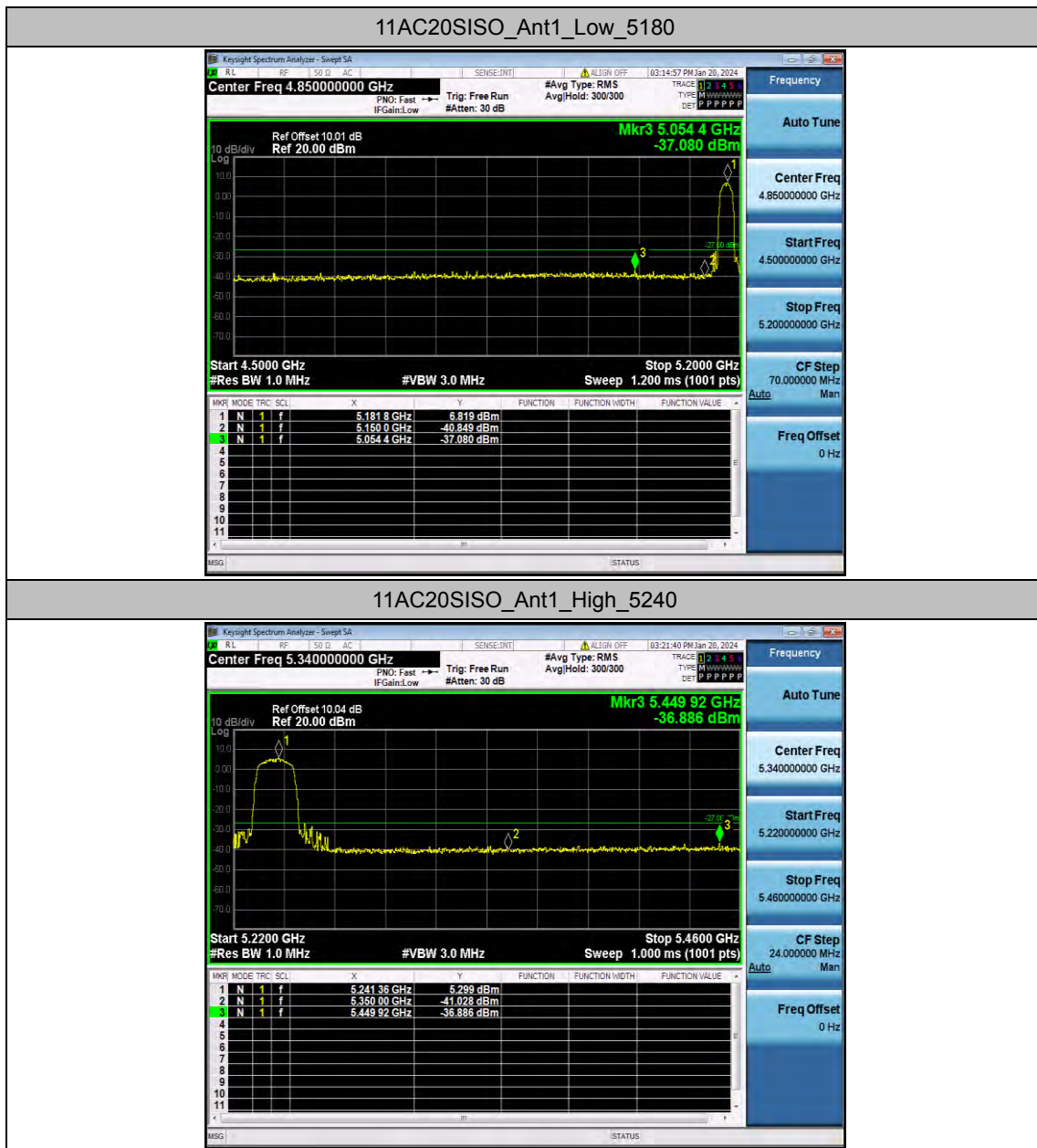


11N40SISO_Ant1_Low_5190

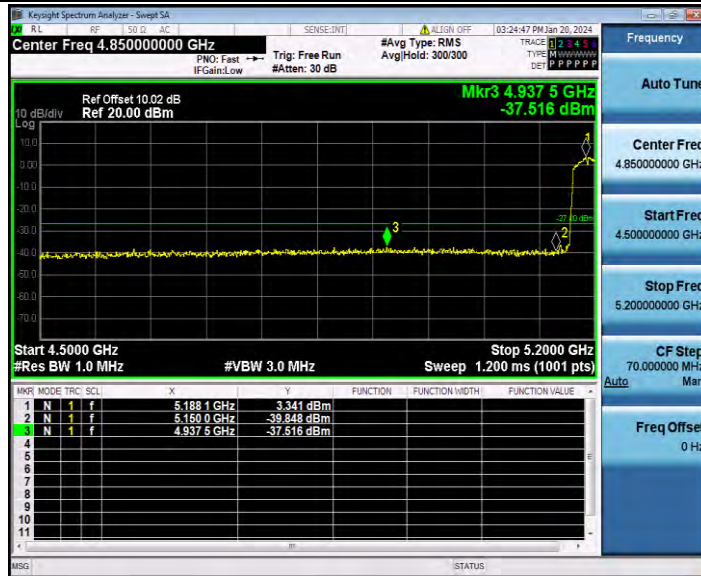


11N40SISO_Ant1_High_5230

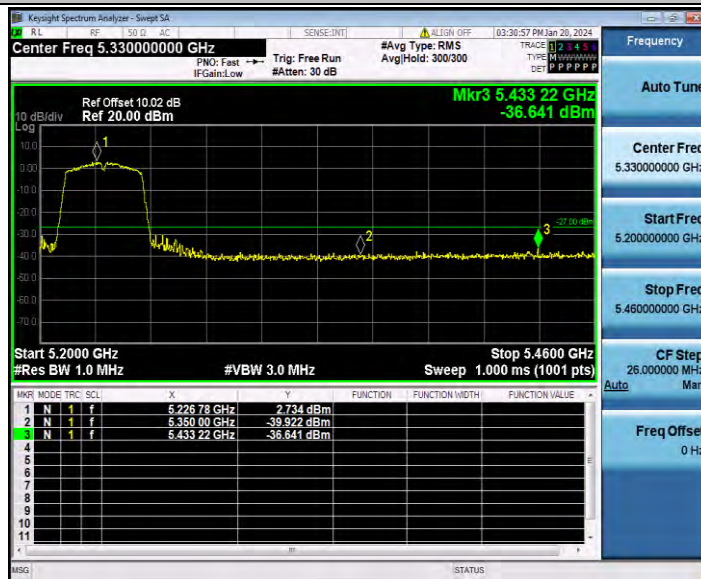




11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210

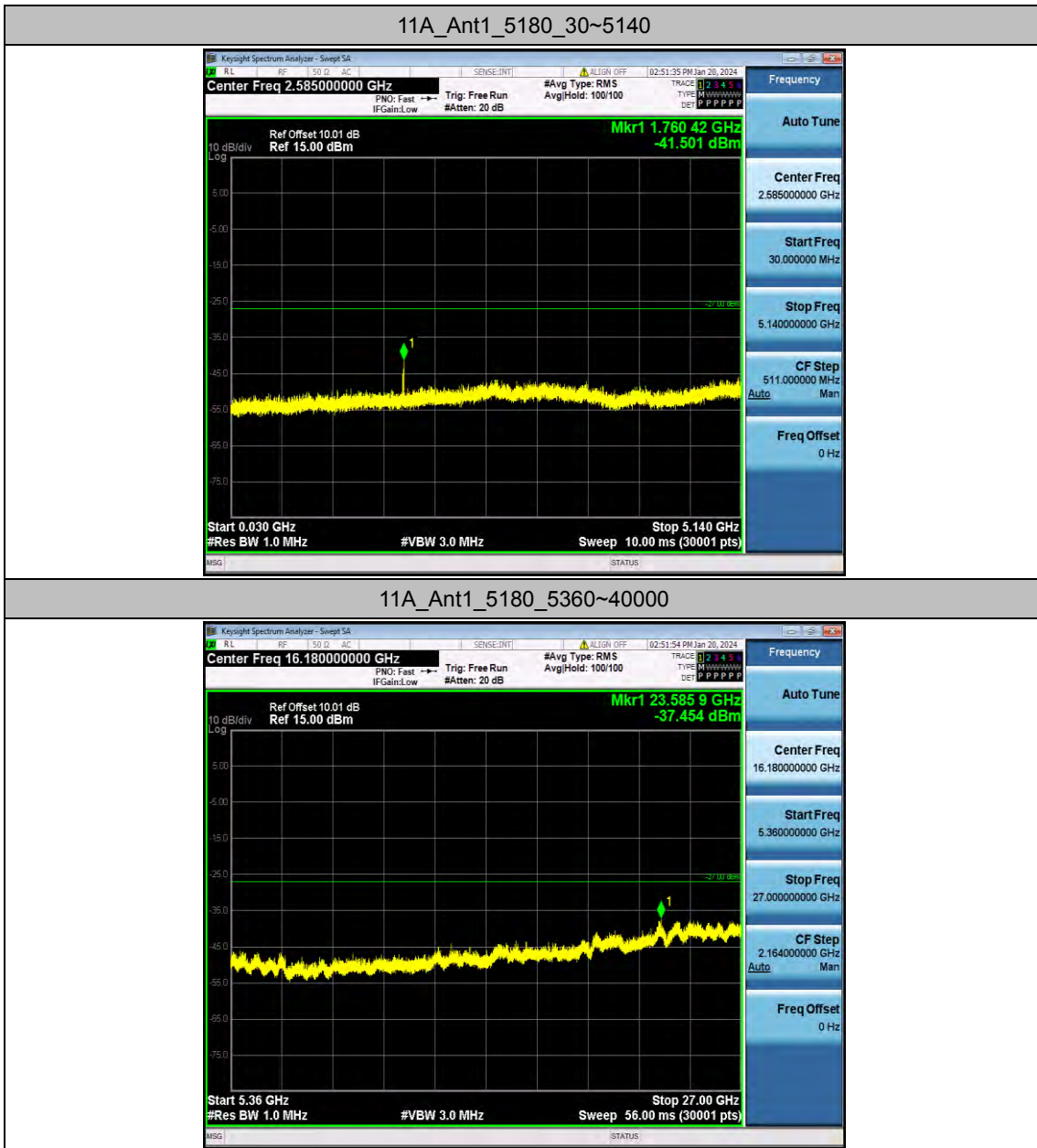


Appendix D.7: Conducted Spurious Emission

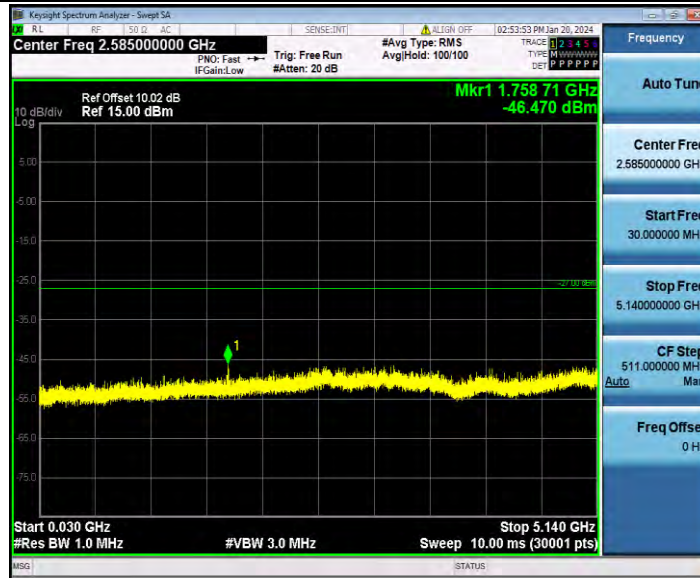
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	1760.42	-41.5	≤-27	PASS
			5360~40000	23585.93	-37.45	≤-27	PASS
		5200	30~5140	1758.71	-46.47	≤-27	PASS
			5360~40000	24978.82	-37.01	≤-27	PASS
		5240	30~5140	4949.06	-46.03	≤-27	PASS
			5360~40000	26665.3	-37.23	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3176.57	-46.43	≤-27	PASS
			5360~40000	24276.25	-37.1	≤-27	PASS
		5200	30~5140	2749.03	-46.38	≤-27	PASS
			5360~40000	26661.69	-36.36	≤-27	PASS
		5240	30~5140	4906.13	-46.42	≤-27	PASS
			5360~40000	24279.13	-37.43	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5138.13	-41.41	≤-27	PASS
			5360~40000	25001.19	-37.04	≤-27	PASS
		5230	30~5140	5026.73	-46.41	≤-27	PASS
			5360~40000	23598.91	-37.06	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	4696.11	-46.54	≤-27	PASS
			5360~40000	23521.73	-36.96	≤-27	PASS
		5200	30~5140	5128.25	-44.65	≤-27	PASS
			5360~40000	26129.35	-37	≤-27	PASS
		5240	30~5140	4983.97	-46.15	≤-27	PASS
			5360~40000	24258.21	-36.06	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5134.04	-45.47	≤-27	PASS
			5360~40000	25232.01	-37.28	≤-27	PASS
		5230	30~5140	3725.55	-46.19	≤-27	PASS
			5360~40000	24336.84	-36.27	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5134.55	-43.94	≤-27	PASS
			5360~40000	24300.05	-37	≤-27	PASS

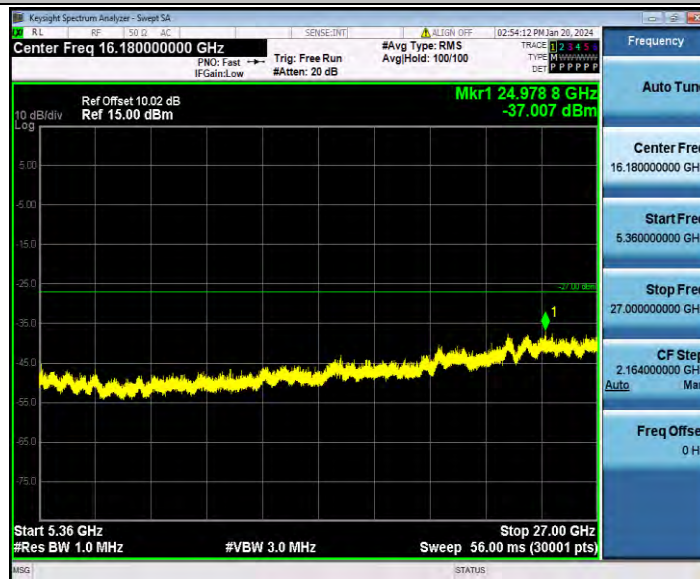
Test Graphs



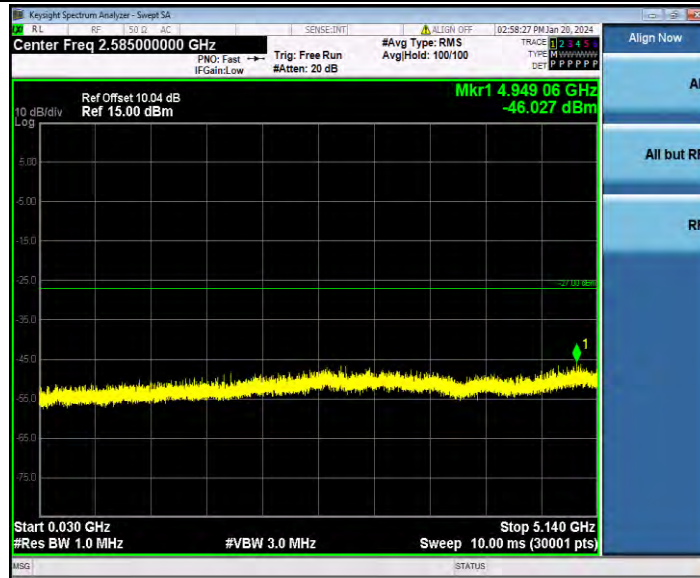
11A_Ant1_5200_30~5140



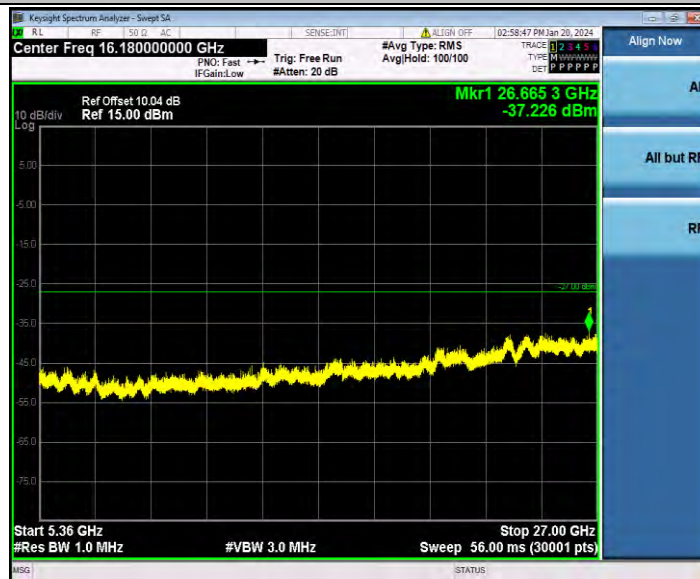
11A_Ant1_5200_5360~40000

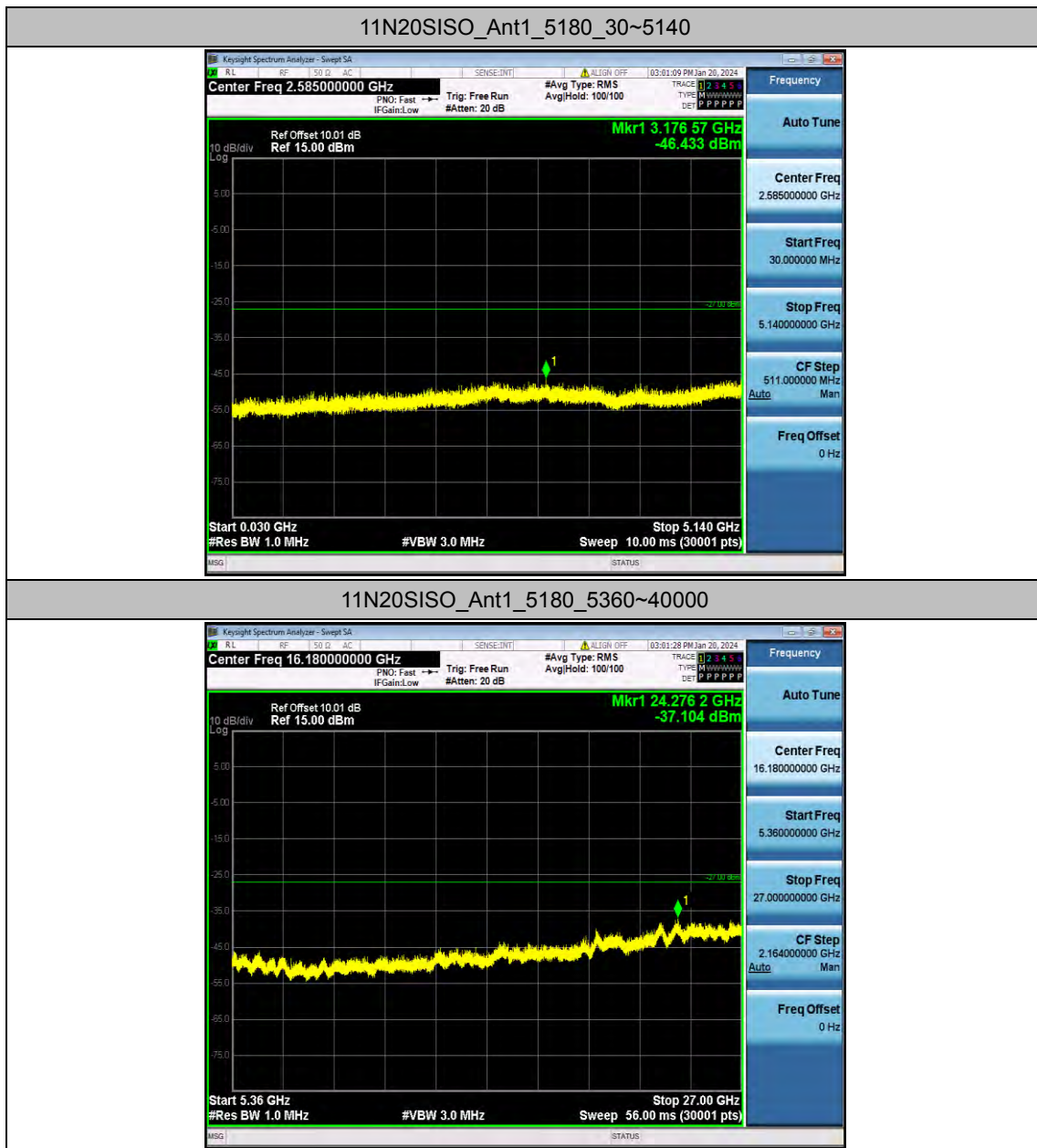


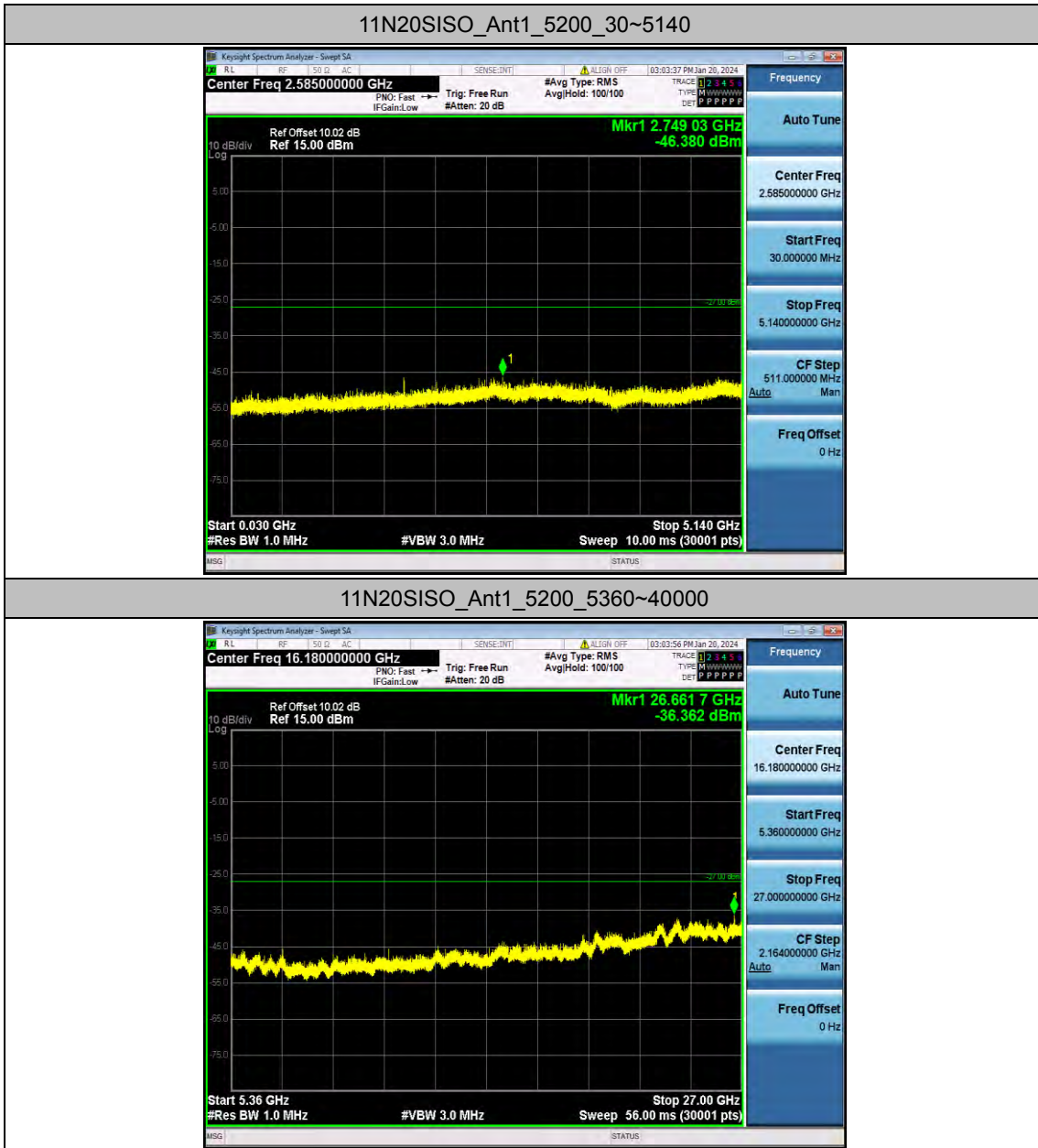
11A_Ant1_5240_30~5140

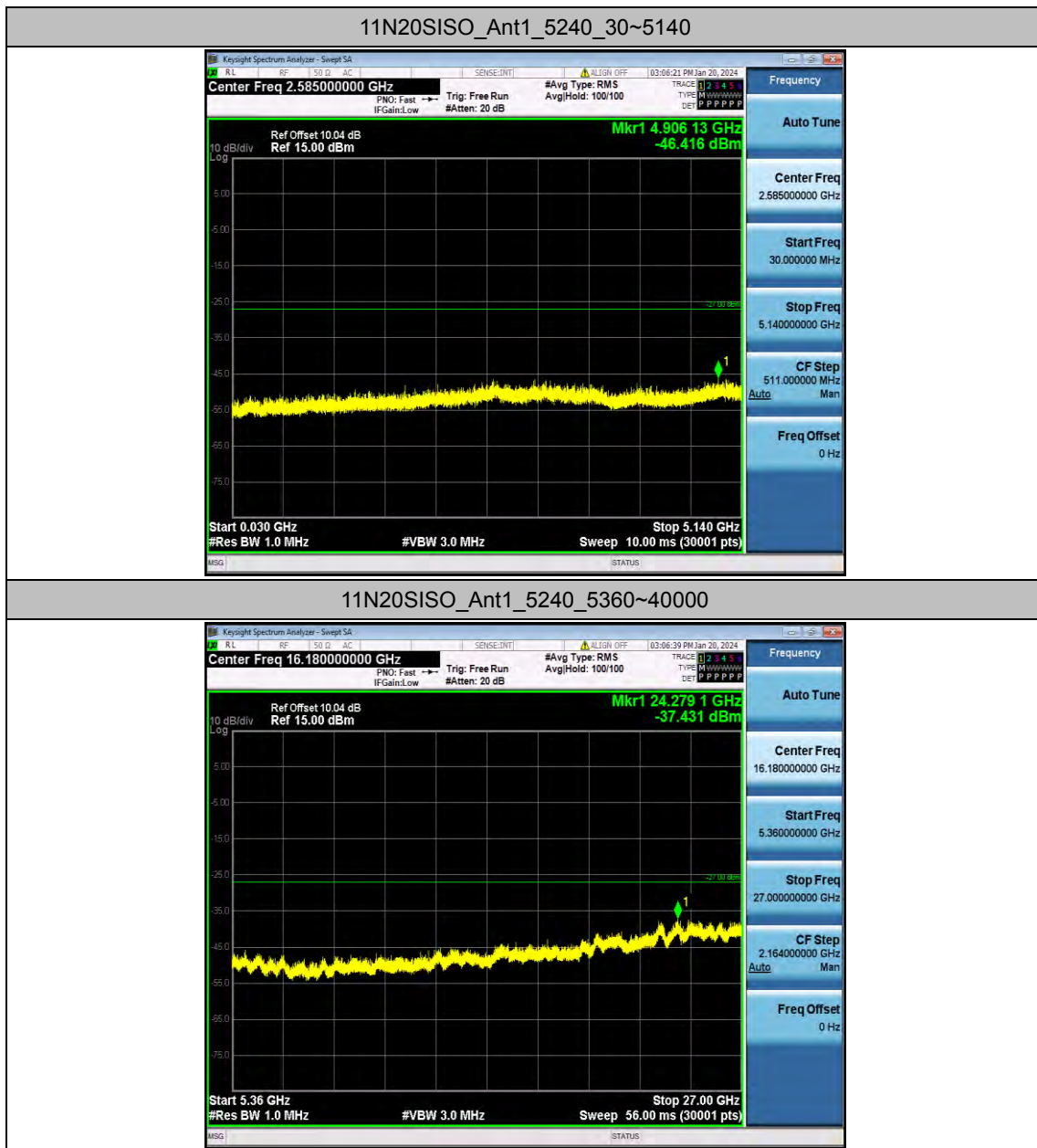


11A_Ant1_5240_5360~40000







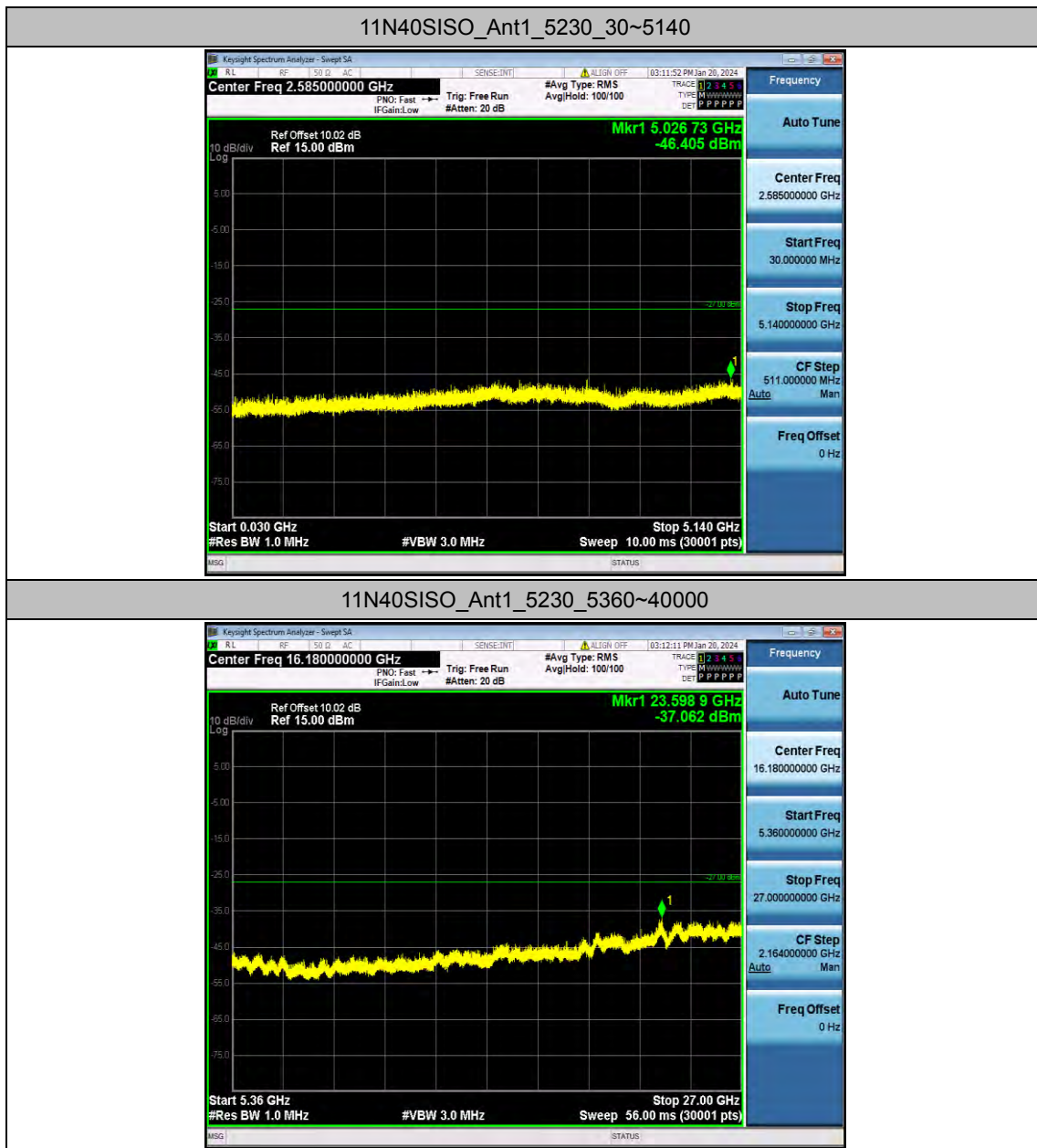


11N40SISO_Ant1_5190_30~5140



11N40SISO_Ant1_5190_5360~40000

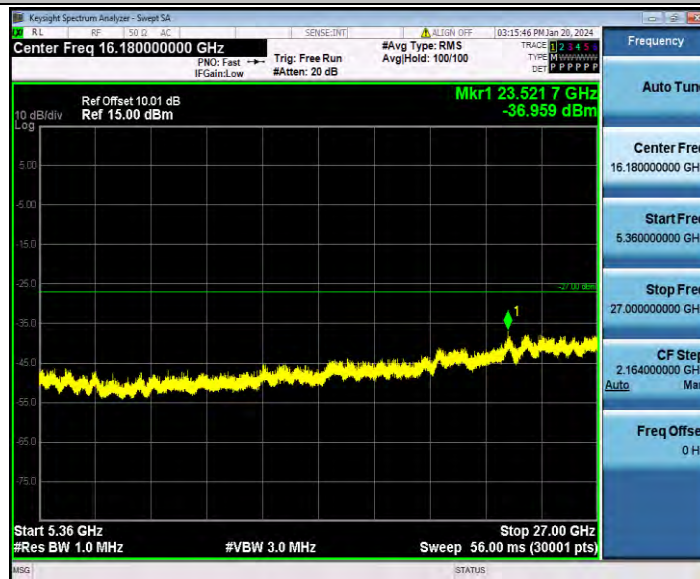




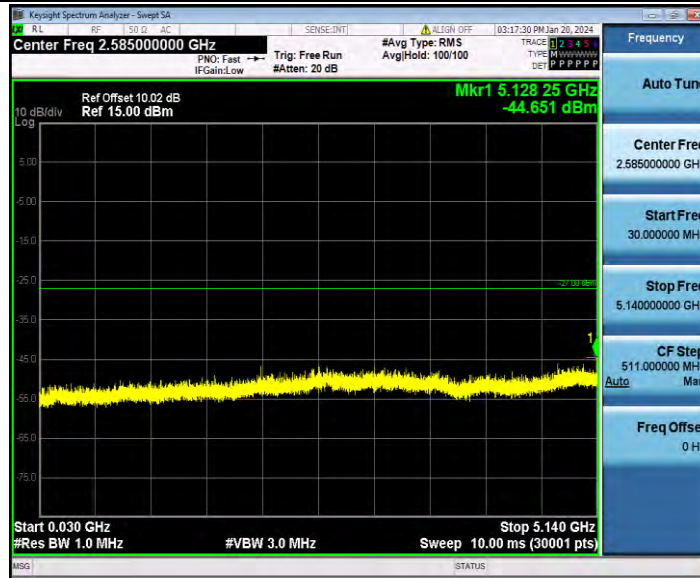
11AC20SISO_Ant1_5180_30~5140



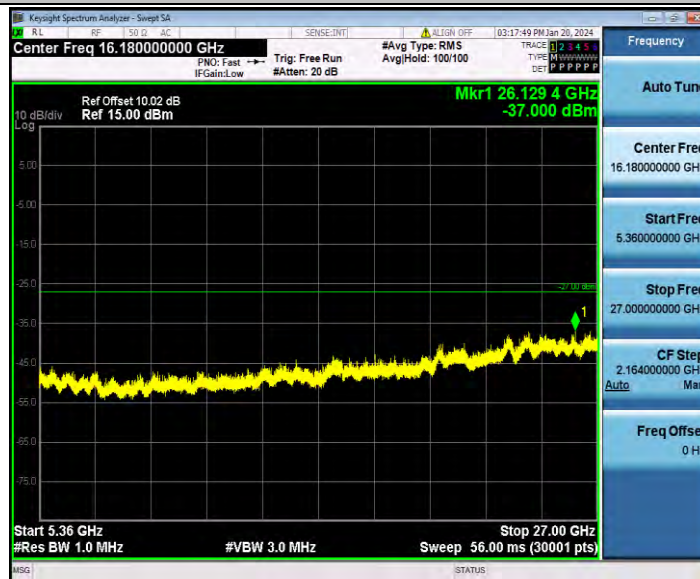
11AC20SISO_Ant1_5180_5360~40000



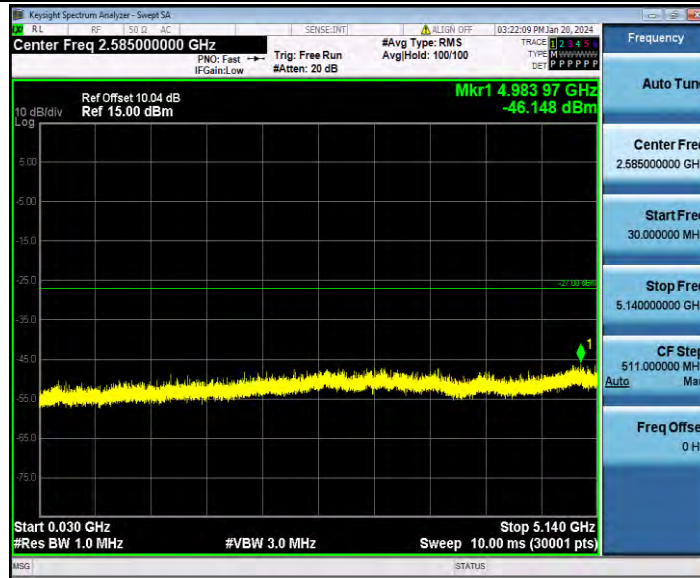
11AC20SISO_Ant1_5200_30~5140



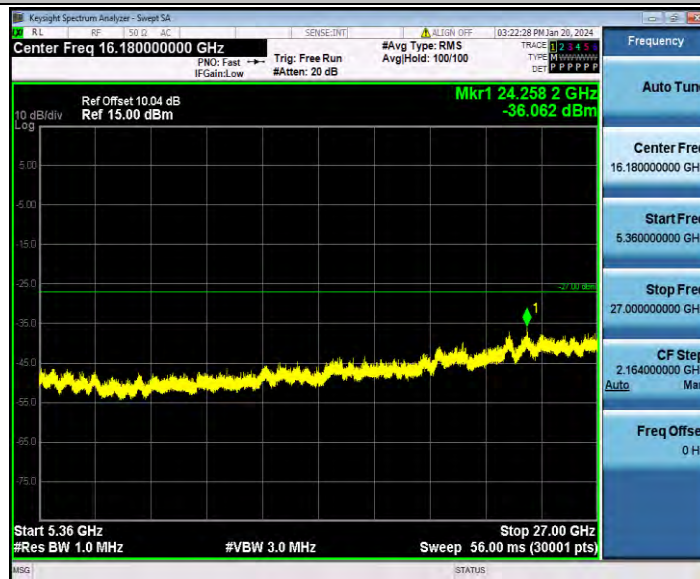
11AC20SISO_Ant1_5200_5360~40000



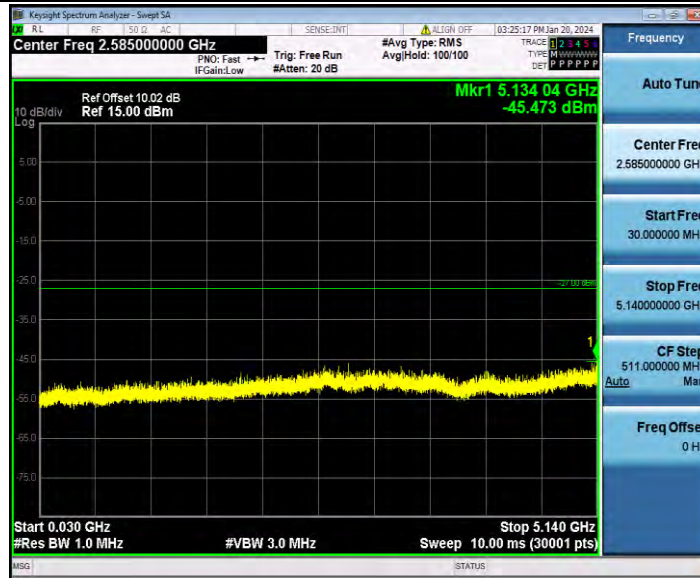
11AC20SISO_Ant1_5240_30~5140



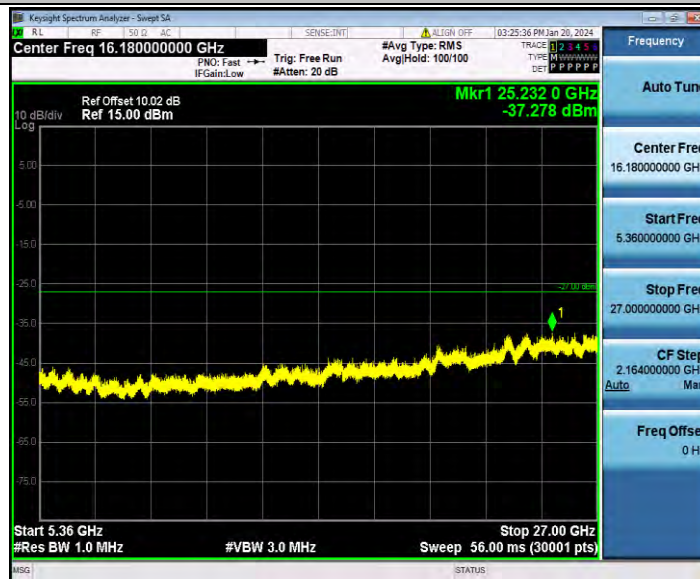
11AC20SISO_Ant1_5240_5360~40000



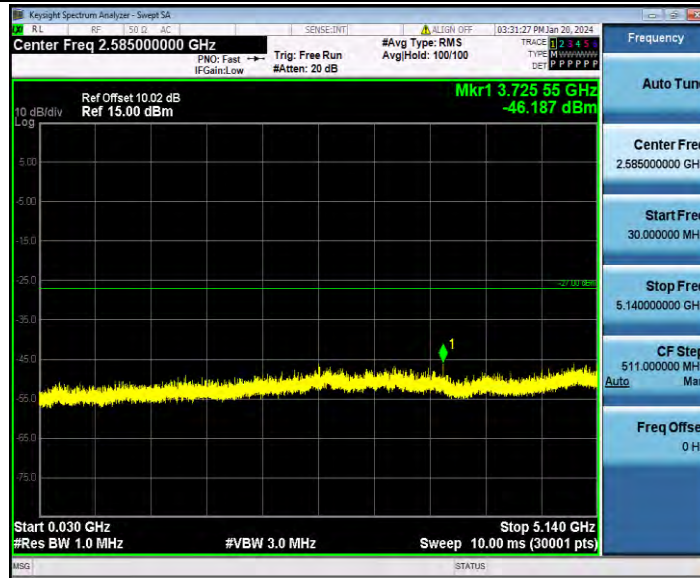
11AC40SISO_Ant1_5190_30~5140



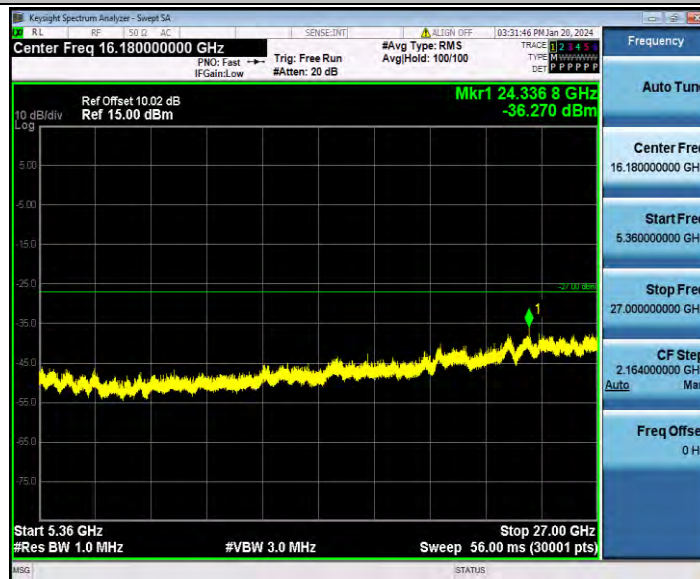
11AC40SISO_Ant1_5190_5360~40000



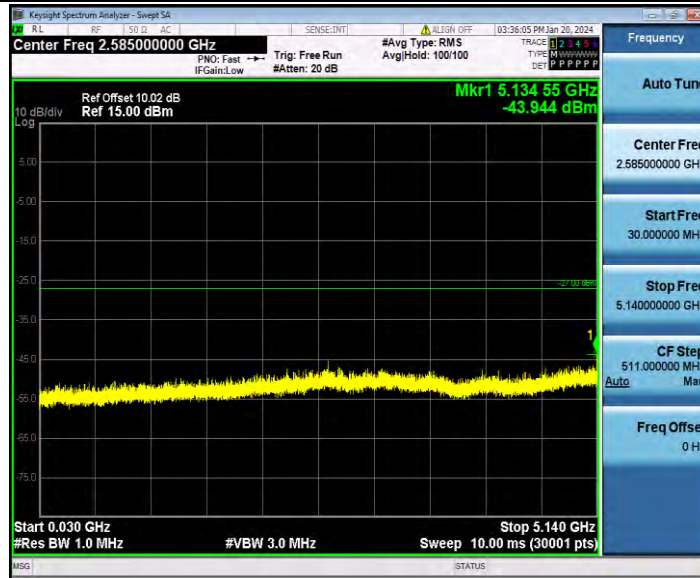
11AC40SISO_Ant1_5230_30~5140



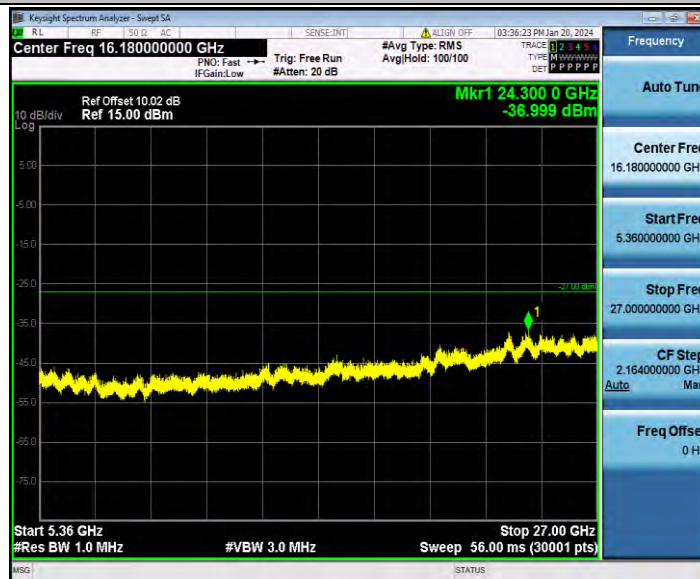
11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000



Appendix D.8: Emissions in Restricted Bands

Test Result

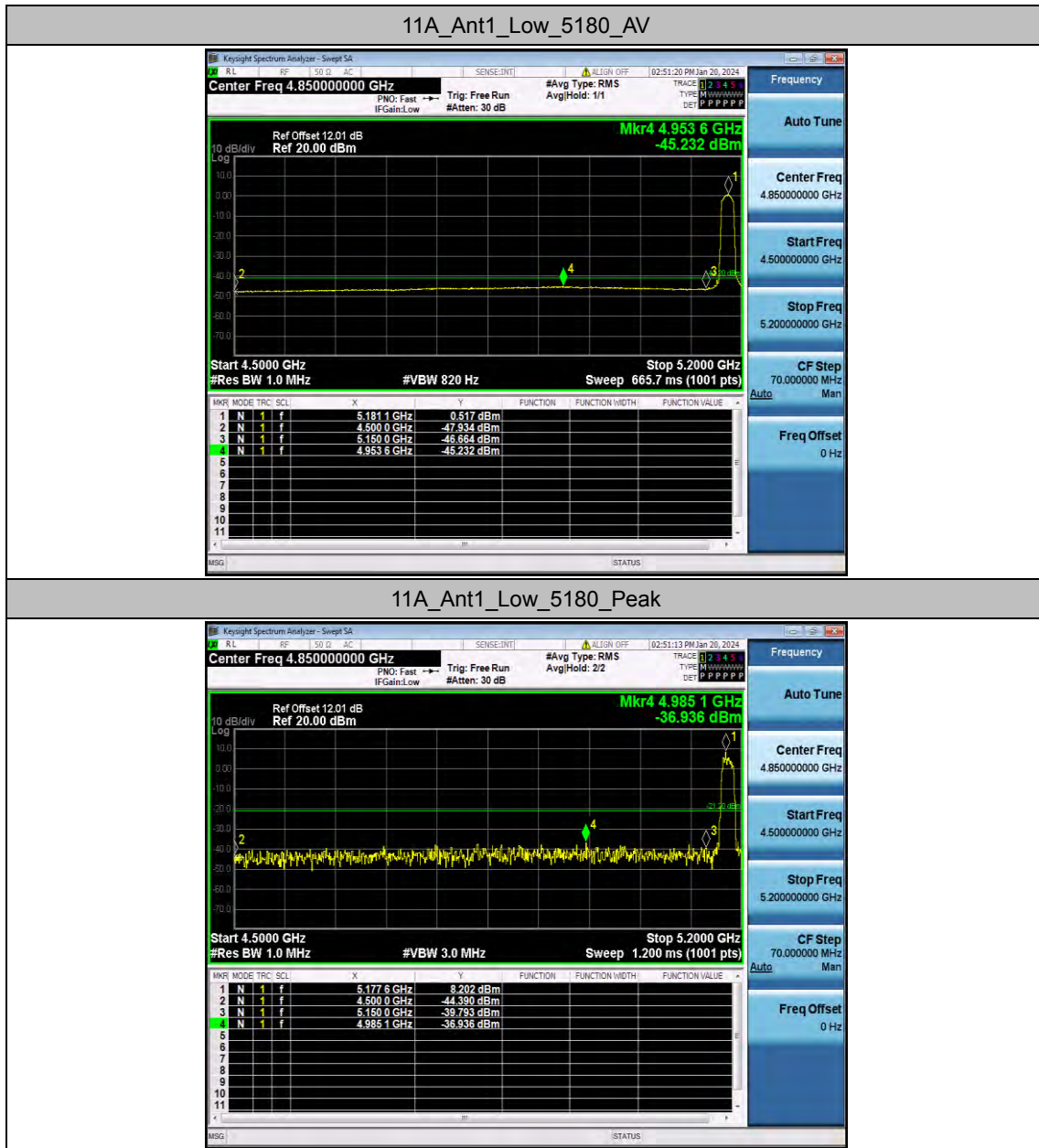
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-47.93	≤-41.20	47.27	≤54	PASS
				AV	4953.600	-45.23	≤-41.20	49.97	≤54	PASS
				AV	5150.000	-46.66	≤-41.20	48.54	≤54	PASS
				Peak	4500.000	-44.39	≤-21.20	50.81	≤74	PASS
				Peak	4985.100	-36.94	≤-21.20	58.26	≤74	PASS
				Peak	5150.000	-39.79	≤-21.20	55.41	≤74	PASS
		High	5240	AV	5350.000	-46.84	≤-41.20	48.36	≤54	PASS
				AV	5430.240	-45.41	≤-41.20	49.79	≤54	PASS
				AV	5460.000	-45.89	≤-41.20	49.31	≤54	PASS
				Peak	5350.000	-42.95	≤-21.20	52.25	≤74	PASS
				Peak	5368.560	-37.44	≤-21.20	57.76	≤74	PASS
				Peak	5460.000	-45.28	≤-21.20	49.92	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-47.77	≤-41.20	47.43	≤54	PASS
				AV	4937.500	-45.09	≤-41.20	50.11	≤54	PASS
				AV	5150.000	-46.54	≤-41.20	48.66	≤54	PASS
				Peak	4500.000	-45.62	≤-21.20	49.58	≤74	PASS
				Peak	4950.100	-37.6	≤-21.20	57.60	≤74	PASS
				Peak	5150.000	-39.7	≤-21.20	55.50	≤74	PASS
		High	5240	AV	5350.000	-46.72	≤-41.20	48.48	≤54	PASS
				AV	5458.560	-45.37	≤-41.20	49.83	≤54	PASS
				AV	5460.000	-45.64	≤-41.20	49.56	≤54	PASS
				Peak	5350.000	-42.49	≤-21.20	52.71	≤74	PASS
				Peak	5457.600	-36.99	≤-21.20	58.21	≤74	PASS
				Peak	5460.000	-44.77	≤-21.20	50.43	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-47.73	≤-41.20	47.47	≤54	PASS
				AV	4940.300	-44.9	≤-41.20	50.30	≤54	PASS
				AV	5150.000	-45.53	≤-41.20	49.67	≤54	PASS
				Peak	4500.000	-45.32	≤-21.20	49.88	≤74	PASS
				Peak	4587.500	-37.1	≤-21.20	58.10	≤74	PASS
				Peak	5150.000	-42.8	≤-21.20	52.40	≤74	PASS
		High	5230	AV	5350.000	-46.48	≤-41.20	48.72	≤54	PASS
				AV	5456.880	-45.15	≤-41.20	50.05	≤54	PASS
				AV	5460.000	-45.75	≤-41.20	49.45	≤54	PASS
				Peak	5350.000	-40.84	≤-21.20	54.36	≤74	PASS
				Peak	5424.640	-38.14	≤-21.20	57.06	≤74	PASS
				Peak	5460.000	-41.49	≤-21.20	53.71	≤74	PASS

11AC20SI SO	Ant1	Low	5180	AV	4500.000	-47.67	≤ -41.20	47.53	≤ 54	PASS
				AV	4930.500	-45.11	≤ -41.20	50.09	≤ 54	PASS
				AV	5150.000	-46.72	≤ -41.20	48.48	≤ 54	PASS
				Peak	4500.000	-43.93	≤ -21.20	51.27	≤ 74	PASS
				Peak	4927.700	-37.11	≤ -21.20	58.09	≤ 74	PASS
				Peak	5150.000	-48.08	≤ -21.20	47.12	≤ 74	PASS
		High	5240	AV	5350.000	-46.6	≤ -41.20	48.60	≤ 54	PASS
				AV	5436.480	-45.46	≤ -41.20	49.74	≤ 54	PASS
				AV	5460.000	-45.81	≤ -41.20	49.39	≤ 54	PASS
				Peak	5350.000	-47.05	≤ -21.20	48.15	≤ 74	PASS
				Peak	5380.560	-37.91	≤ -21.20	57.29	≤ 74	PASS
				Peak	5460.000	-41.24	≤ -21.20	53.96	≤ 74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-47.59	≤ -41.20	47.61	≤ 54	PASS
				AV	4942.400	-44.78	≤ -41.20	50.42	≤ 54	PASS
				AV	5150.000	-45.93	≤ -41.20	49.27	≤ 54	PASS
				Peak	4500.000	-43.24	≤ -21.20	51.96	≤ 74	PASS
				Peak	4858.400	-37.49	≤ -21.20	57.71	≤ 74	PASS
				Peak	5150.000	-42.53	≤ -21.20	52.67	≤ 74	PASS
		High	5230	AV	5350.000	-46.56	≤ -41.20	48.64	≤ 54	PASS
				AV	5432.700	-45.27	≤ -41.20	49.93	≤ 54	PASS
				AV	5460.000	-45.62	≤ -41.20	49.58	≤ 54	PASS
				Peak	5350.000	-40.93	≤ -21.20	54.27	≤ 74	PASS
				Peak	5440.500	-37.71	≤ -21.20	57.49	≤ 74	PASS
				Peak	5460.000	-43.03	≤ -21.20	52.17	≤ 74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-48.2	≤ -41.20	47.00	≤ 54	PASS
				AV	4948.500	-45.84	≤ -41.20	49.36	≤ 54	PASS
				AV	5150.000	-46.21	≤ -41.20	48.99	≤ 54	PASS
				Peak	4500.000	-39.78	≤ -21.20	55.42	≤ 74	PASS
				Peak	4975.500	-36	≤ -21.20	59.20	≤ 74	PASS
				Peak	5150.000	-38.56	≤ -21.20	56.64	≤ 74	PASS
		High	5210	AV	5350.000	-47.1	≤ -41.20	48.10	≤ 54	PASS
				AV	5447.680	-46.07	≤ -41.20	49.13	≤ 54	PASS
				AV	5460.000	-46.17	≤ -41.20	49.03	≤ 54	PASS
				Peak	5350.000	-40.1	≤ -21.20	55.10	≤ 74	PASS
				Peak	5459.440	-35.93	≤ -21.20	59.27	≤ 74	PASS
				Peak	5460.000	-38.67	≤ -21.20	56.53	≤ 74	PASS

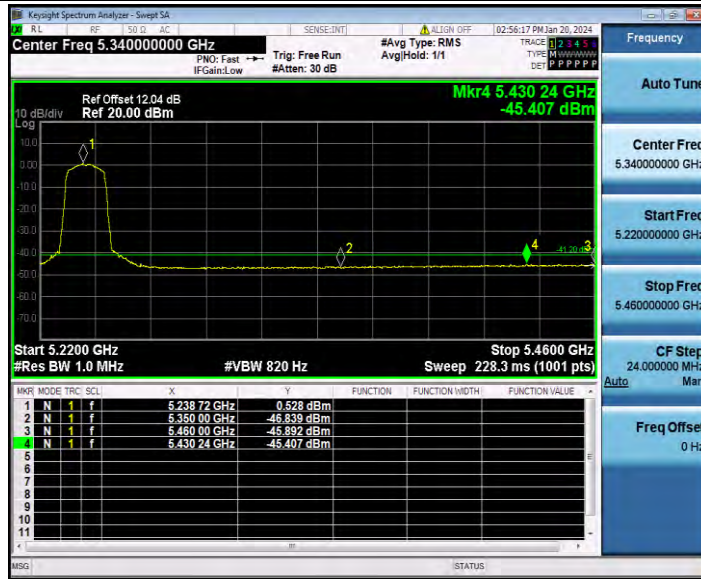
Note:

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.

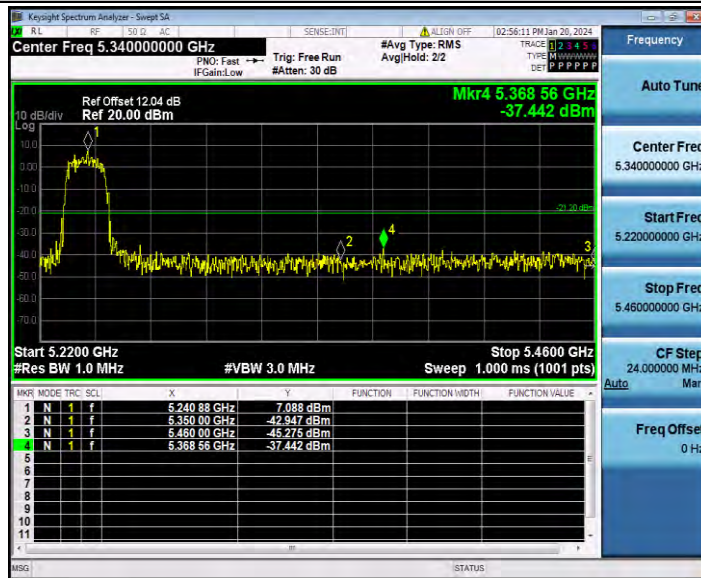
Test Graphs

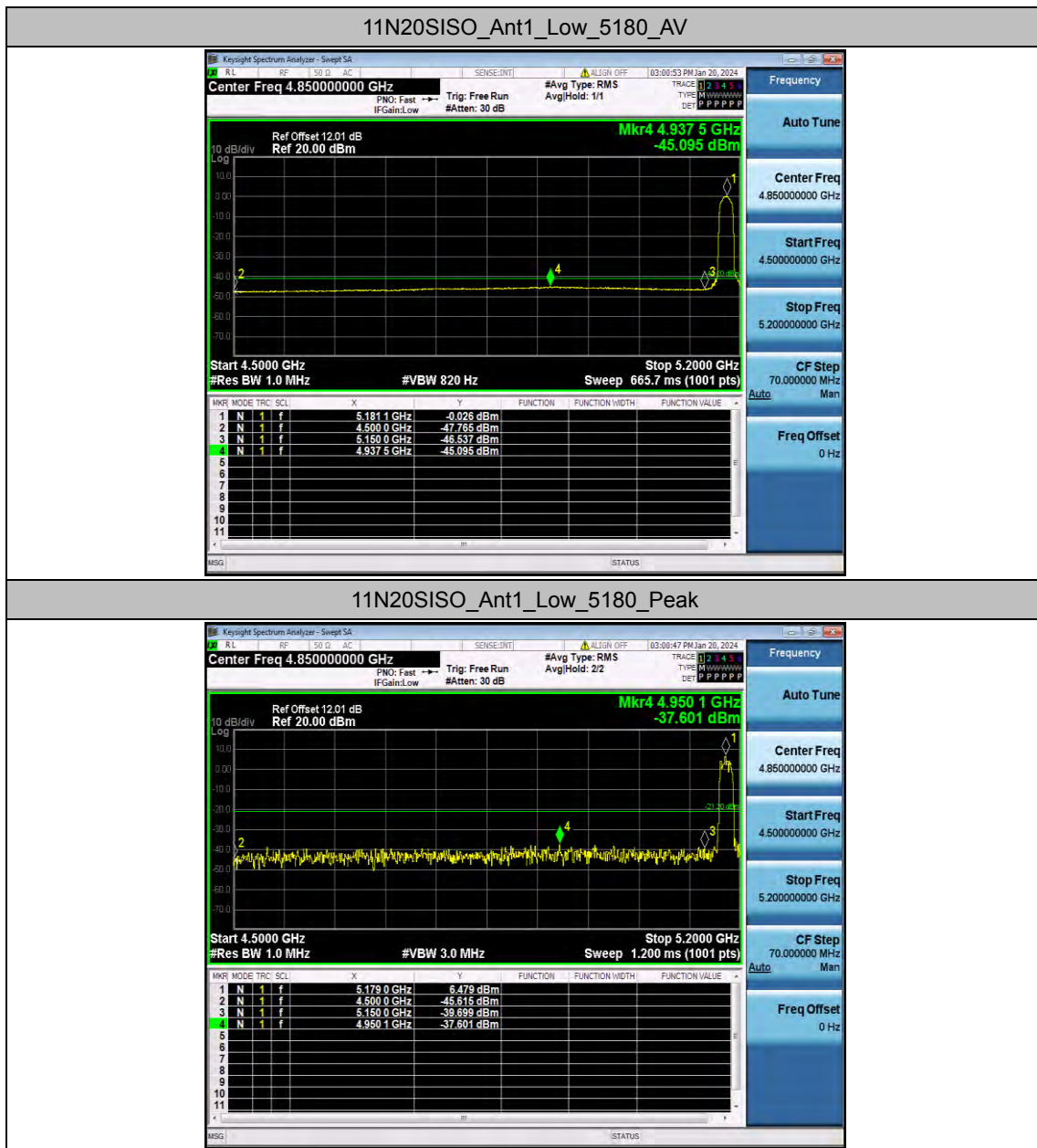


11A_Ant1_High_5240_AV

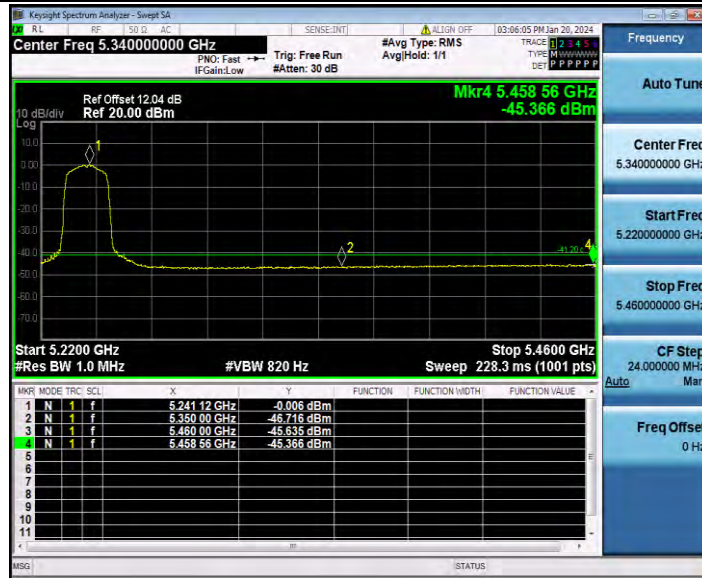


11A_Ant1_High_5240_Peak

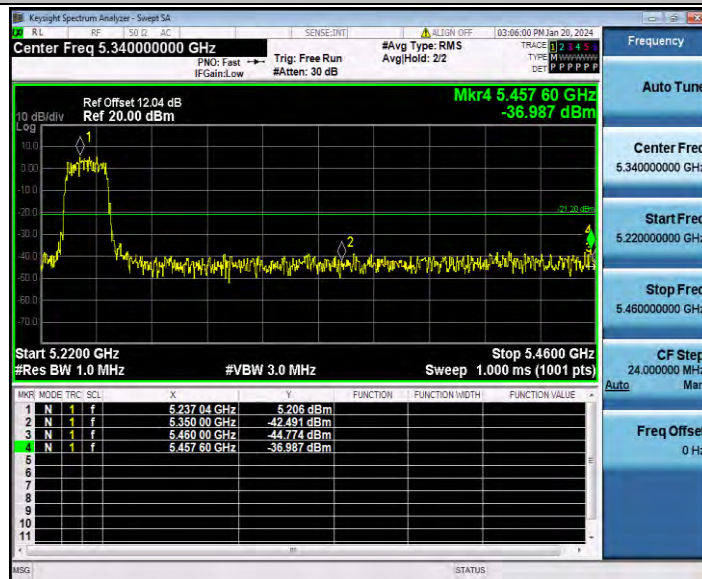


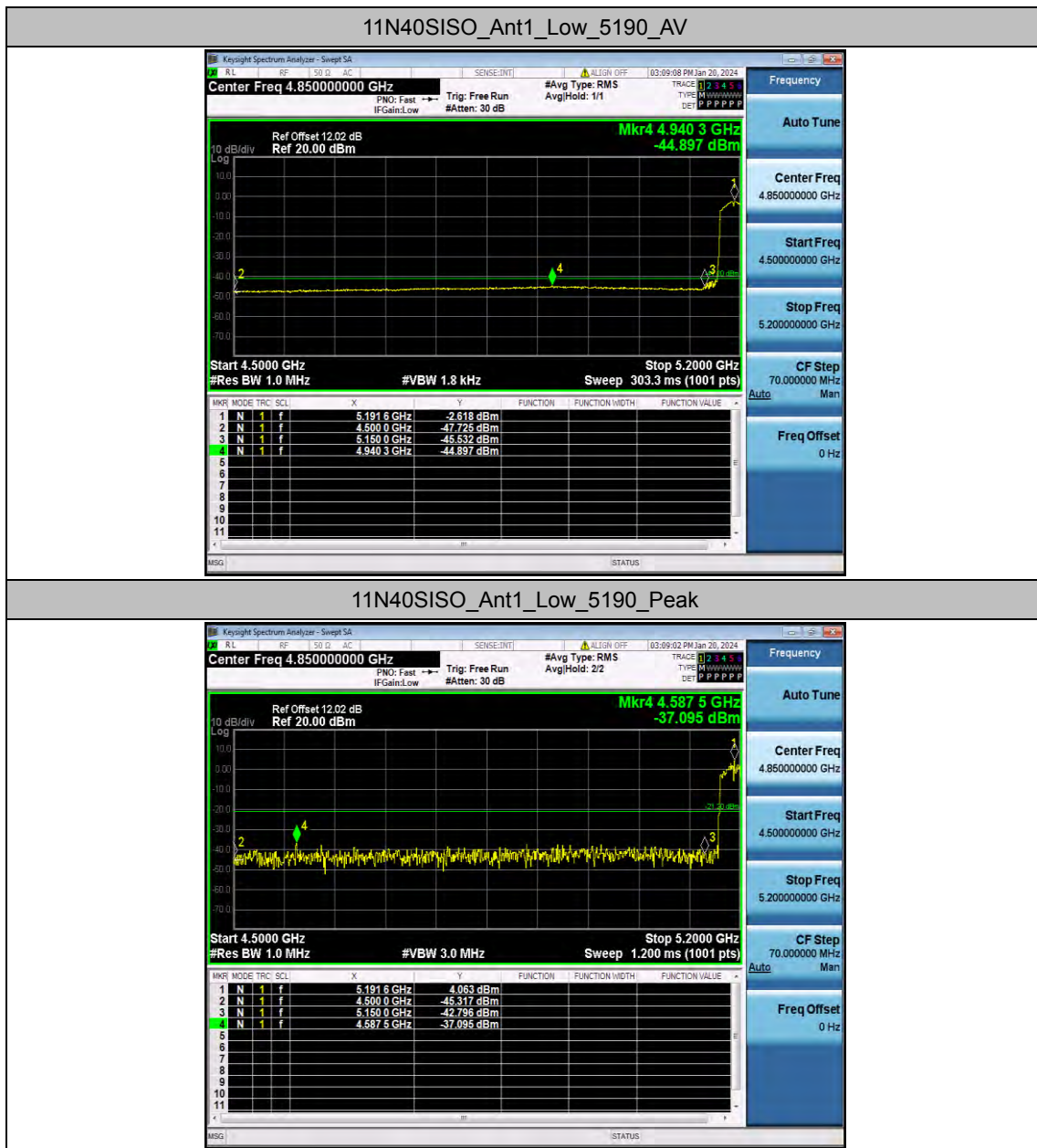


11N20SISO_Ant1_High_5240_AV

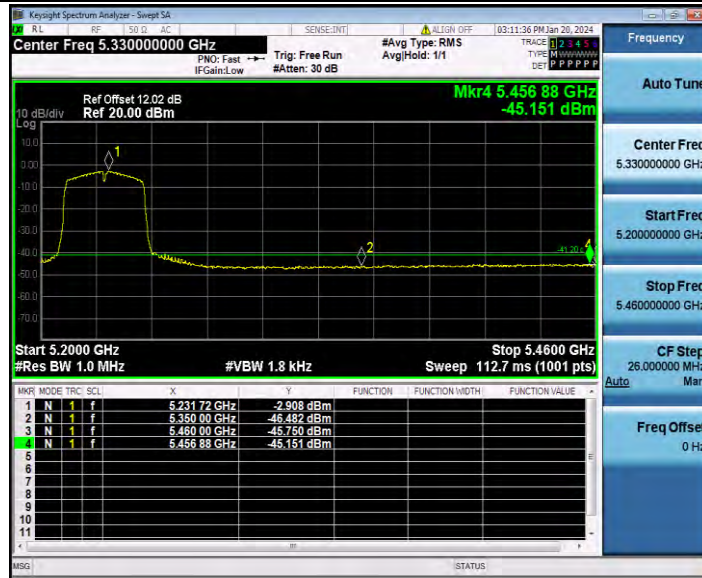


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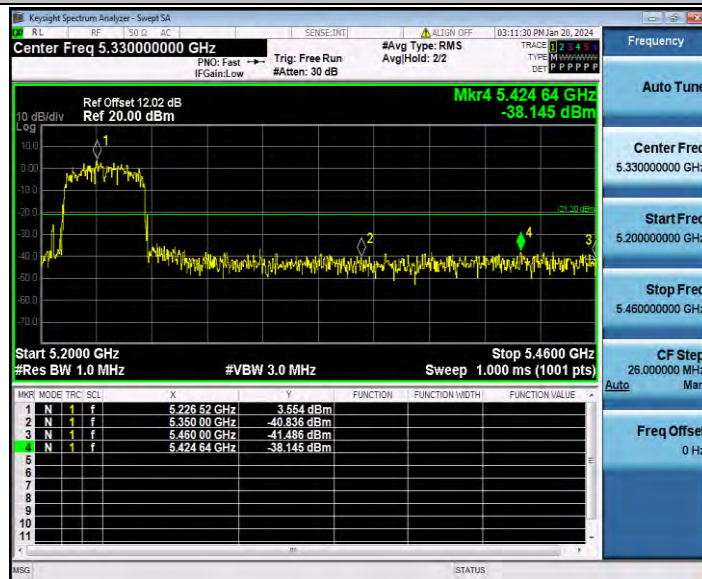




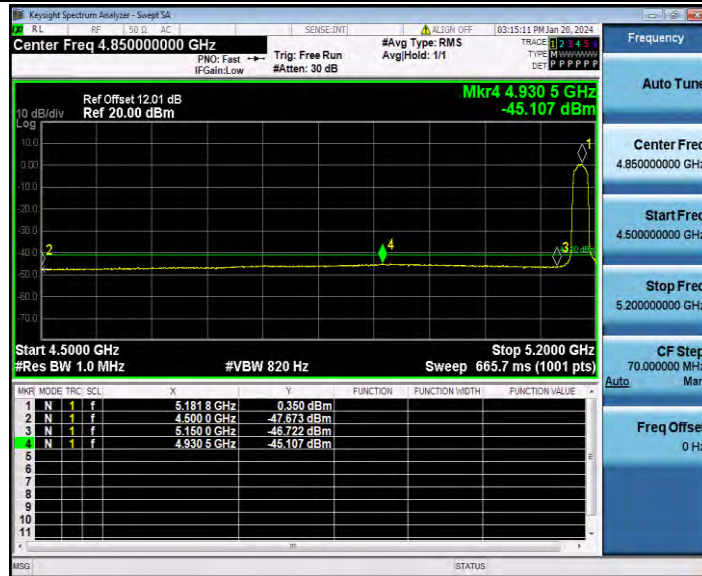
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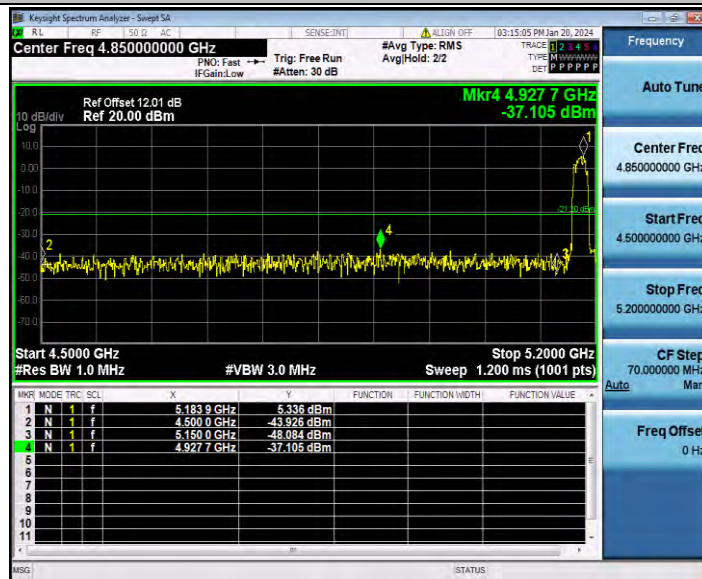
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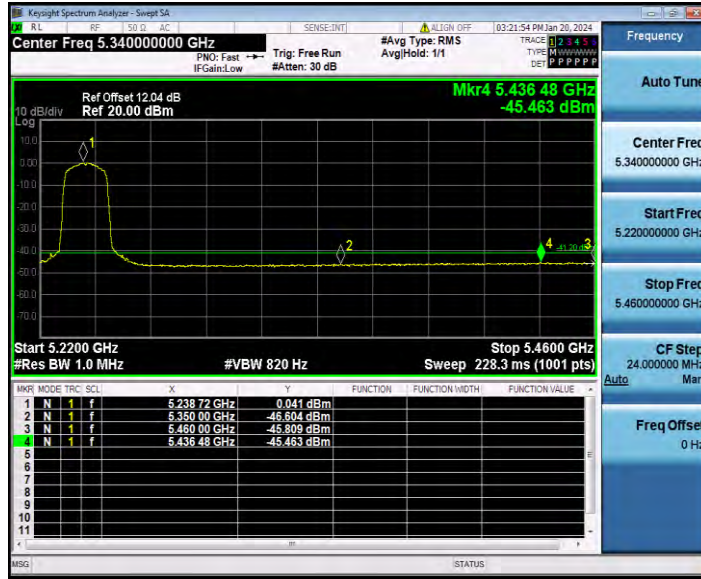
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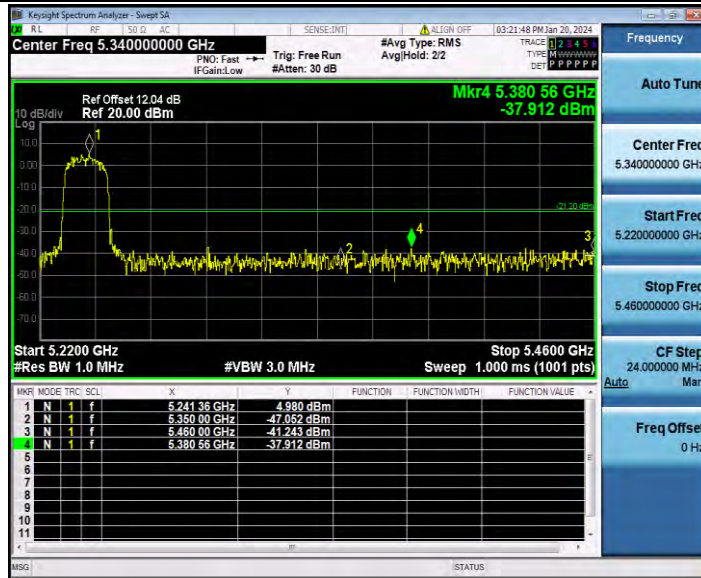
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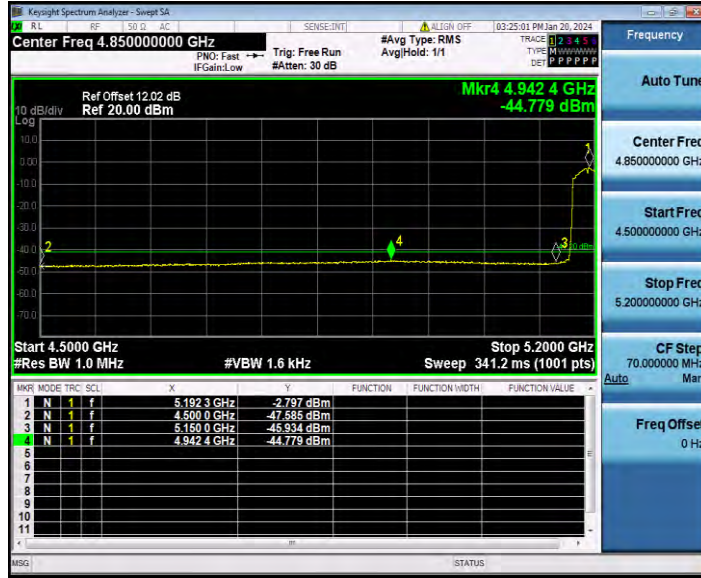
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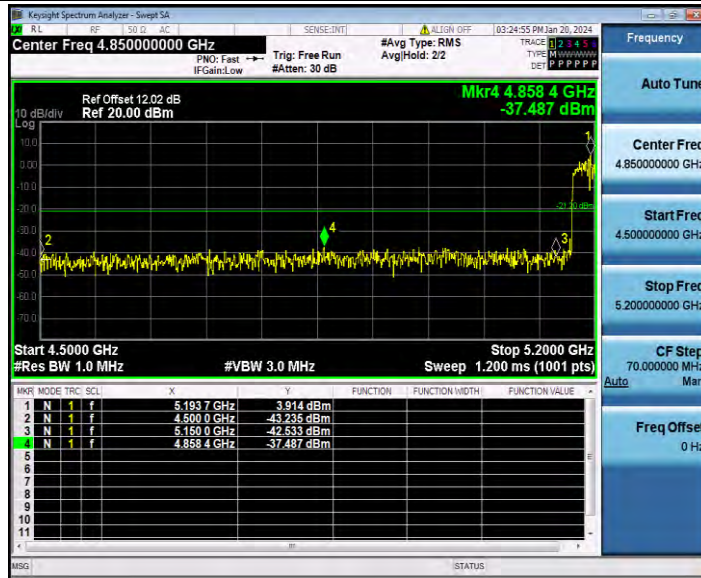
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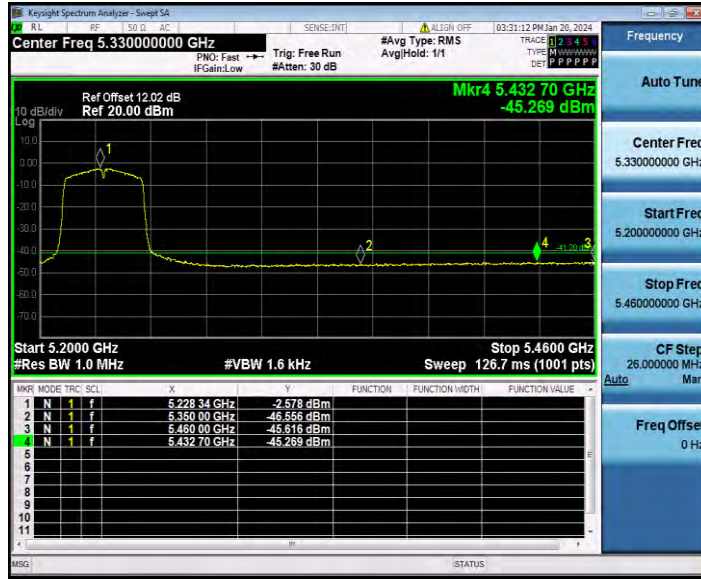
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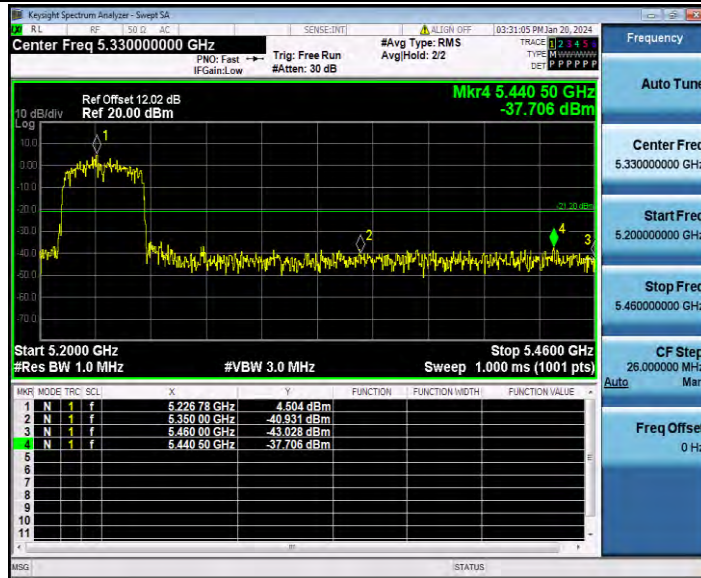
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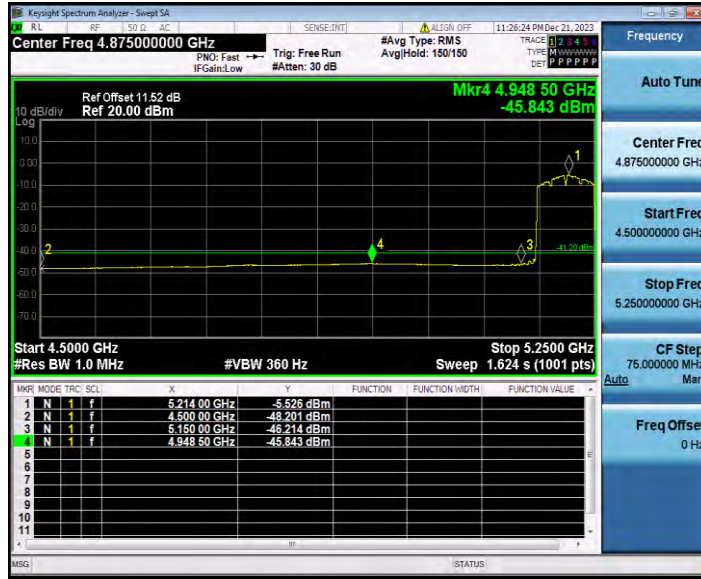
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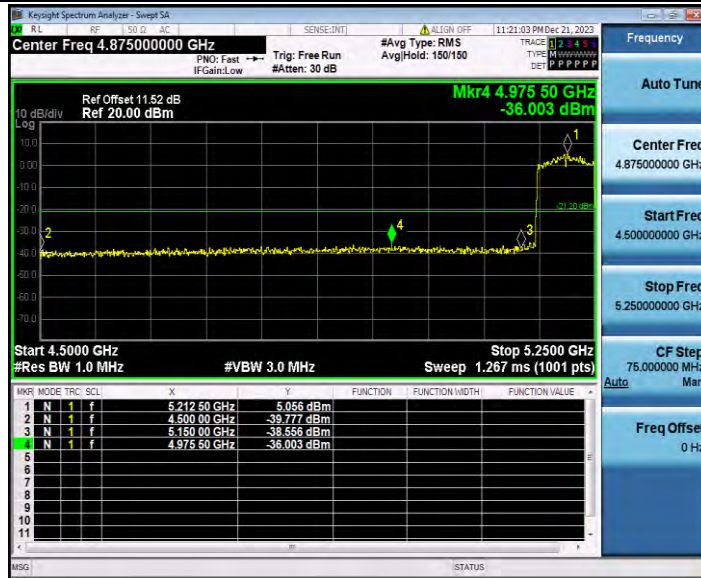
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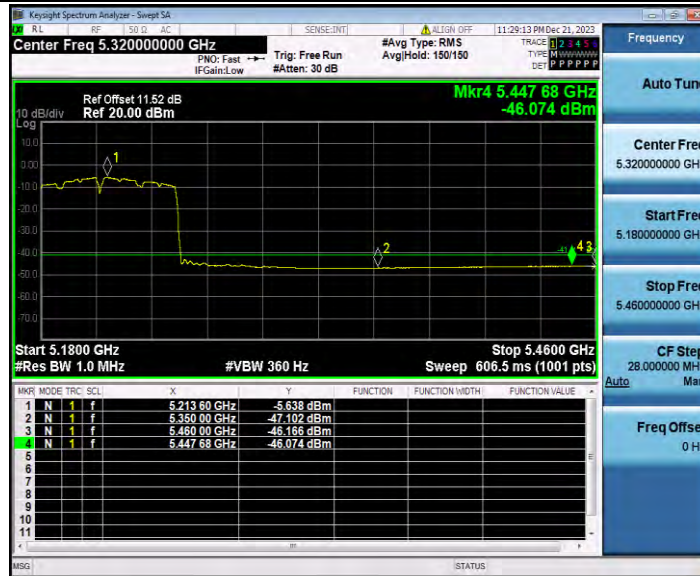
11AC80SISO_Ant1_Low_5210_AV



11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak

