

Case No. : GTS20230111005-1-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.16	Test Engineer: Jenny zeng

Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5500	18.560	5490.640	5509.200	---	---
		5600	18.600	5590.600	5609.200	---	---
		5700	18.560	5690.640	5709.200	---	---
11N20SISO	Ant0	5500	19.480	5490.280	5509.760	---	---
		5600	19.440	5590.280	5609.720	---	---
		5700	19.640	5690.200	5709.840	---	---
11N40SISO	Ant0	5510	41.200	5489.520	5530.720	---	---
		5590	41.120	5569.360	5610.480	---	---
		5670	41.040	5649.520	5690.560	---	---
11AC20SISO	Ant0	5500	19.560	5490.240	5509.800	---	---
		5600	19.520	5590.200	5609.720	---	---
		5700	19.600	5690.200	5709.800	---	---
11AC40SISO	Ant0	5510	41.120	5489.600	5530.720	---	---
		5590	41.120	5569.440	5610.560	---	---
		5670	41.200	5649.200	5690.400	---	---
11AC80SISO	Ant0	5530	80.640	5489.680	5570.320	---	---
		5610	81.440	5569.200	5650.640	---	---

Test Graphs

11A_Ant0_5500



11A_Ant0_5600



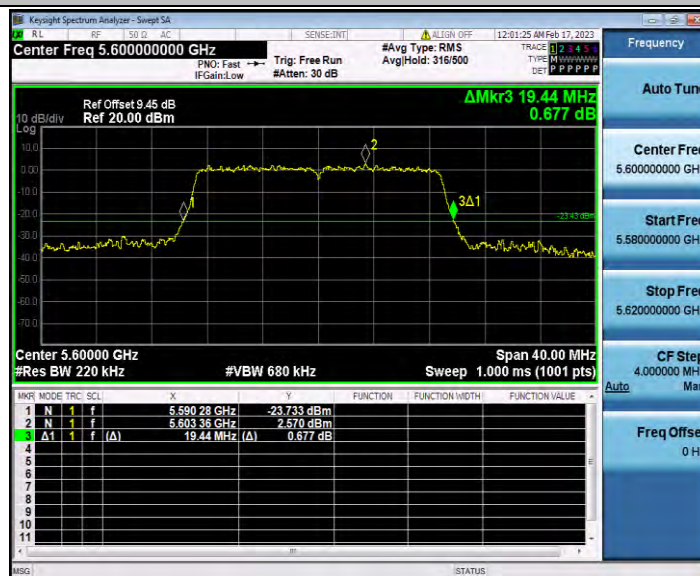
11A_Ant0_5700



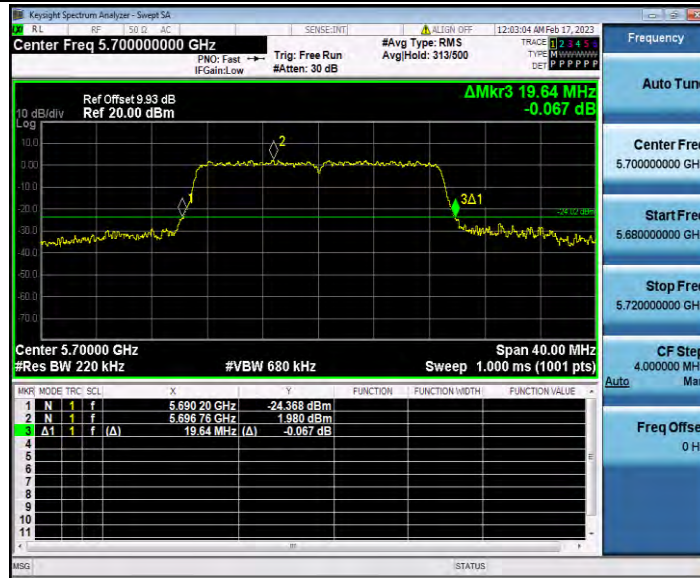
11N20SISO_Ant0_5500



11N20SISO_Ant0_5600



11N20SISO_Ant0_5700



11N40SISO_Ant0_5510



11N40SISO_Ant0_5590



11N40SISO_Ant0_5670



11AC20SISO_Ant0_5500



11AC20SISO_Ant0_5600



11AC20SISO_Ant0_5700



11AC40SISO_Ant0_5510



11AC40SISO_Ant0_5590



11AC40SISO_Ant0_5670



11AC80SISO_Ant0_5530



11AC80SISO_Ant0_5610



Appendix F.2: Occupied channel bandwidth

Test Result

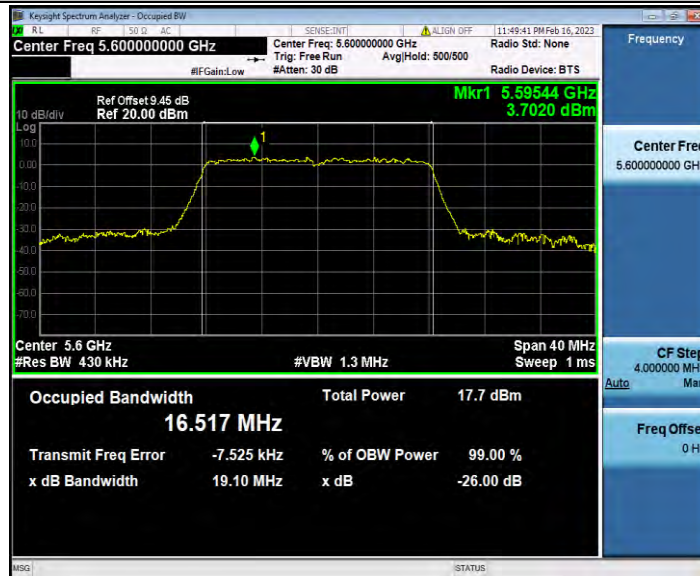
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5500	16.515	5491.753	5508.268	---	---
		5600	16.517	5591.734	5608.251	---	---
		5700	16.533	5691.742	5708.275	---	---
11N20SISO	Ant0	5500	17.649	5491.204	5508.853	---	---
		5600	17.644	5591.206	5608.850	---	---
		5700	17.661	5691.226	5708.887	---	---
11N40SISO	Ant0	5510	36.329	5491.888	5528.217	---	---
		5590	36.340	5571.829	5608.169	---	---
		5670	36.268	5651.917	5688.185	---	---
11AC20SISO	Ant0	5500	17.644	5491.165	5508.809	---	---
		5600	17.641	5591.194	5608.835	---	---
		5700	17.635	5691.218	5708.853	---	---
11AC40SISO	Ant0	5510	36.323	5491.939	5528.262	---	---
		5590	36.359	5571.812	5608.171	---	---
		5670	36.275	5651.901	5688.176	---	---
11AC80SISO	Ant0	5530	74.546	5492.723	5567.269	---	---
		5610	74.798	5572.596	5647.394	---	---

Test Graphs

11A_Ant0_5500



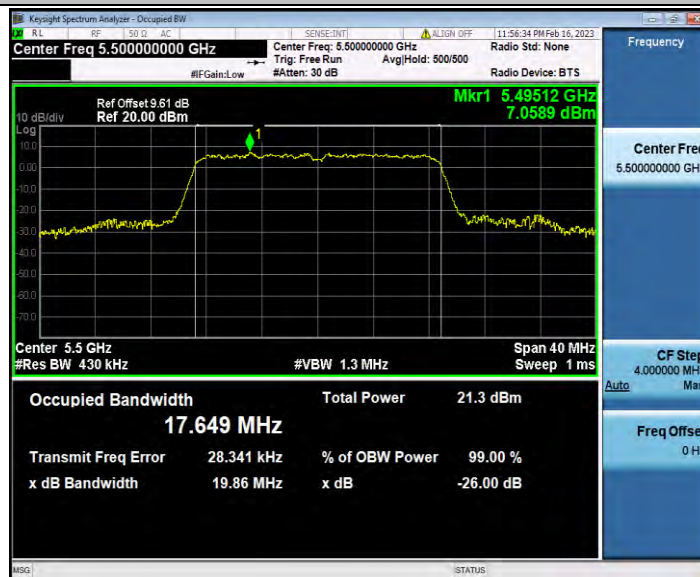
11A_Ant0_5600



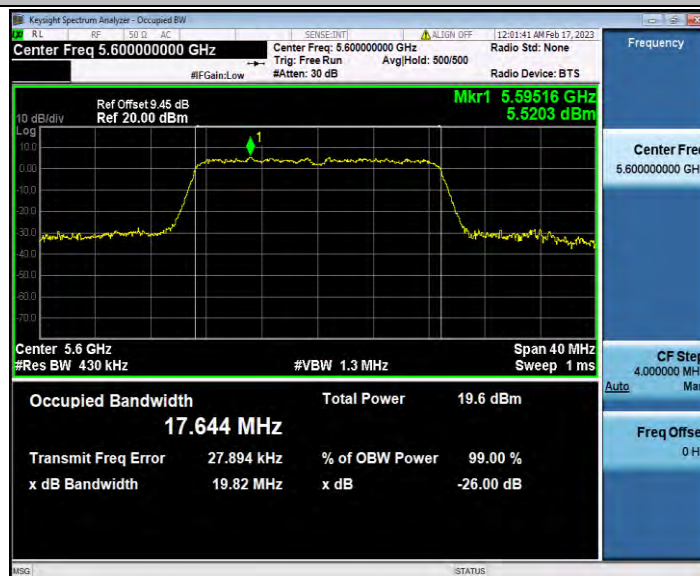
11A_Ant0_5700



11N20SISO_Ant0_5500



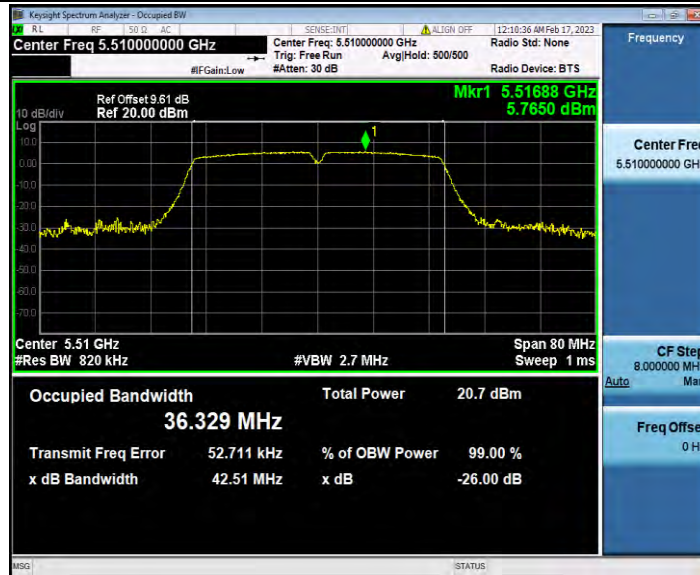
11N20SISO_Ant0_5600



11N20SISO_Ant0_5700



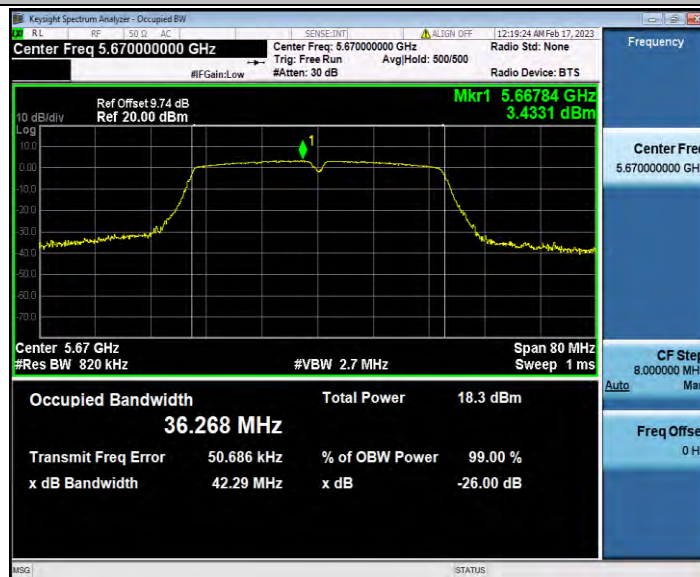
11N40SISO_Ant0_5510



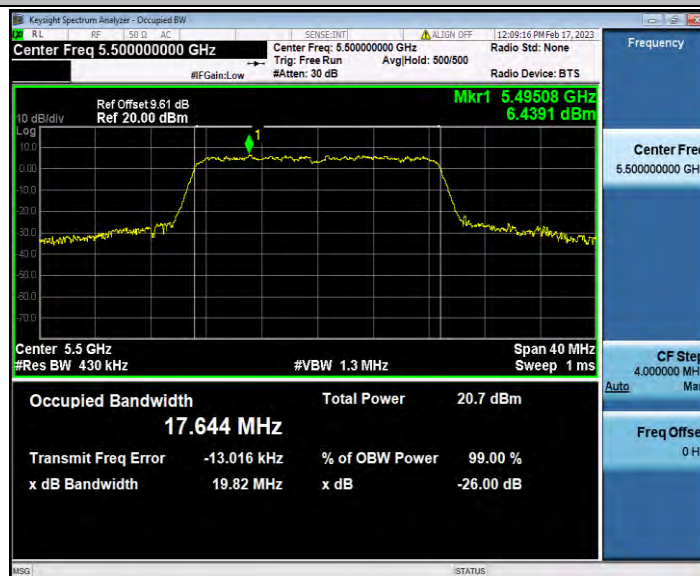
11N40SISO_Ant0_5590



11N40SISO_Ant0_5670



11AC20SISO_Ant0_5500



11AC20SISO_Ant0_5600



11AC20SISO_Ant0_5700



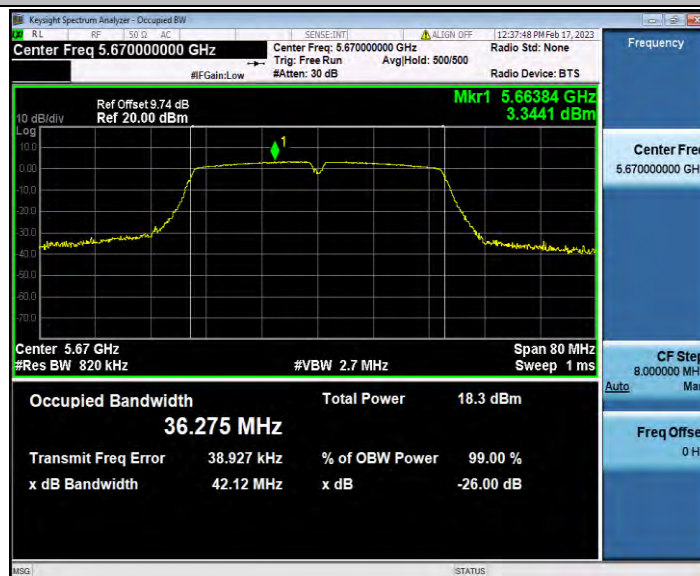
11AC40SISO_Ant0_5510



11AC40SISO_Ant0_5590



11AC40SISO_Ant0_5670



11AC80SISO_Ant0_5530



11AC80SISO_Ant0_5610



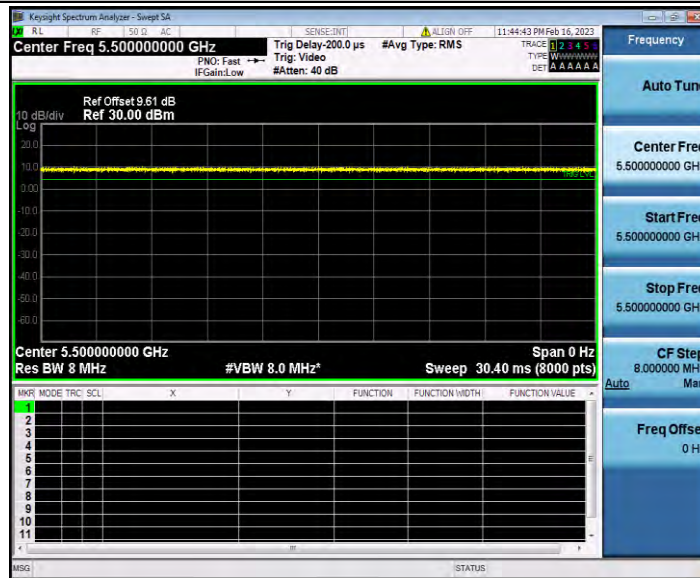
Appendix F.3: Duty Cycle

Test Result

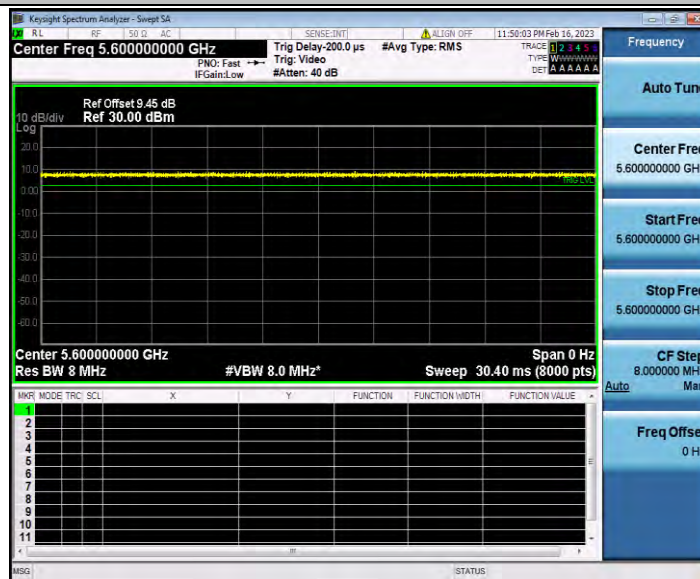
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant0	5500	30.00	30.00	100.00
		5600	30.00	30.00	100.00
		5700	30.00	30.00	100.00
11N20SISO	Ant0	5500	30.00	30.00	100.00
		5600	30.00	30.00	100.00
		5700	30.00	30.00	100.00
11N40SISO	Ant0	5510	30.00	30.00	100.00
		5590	30.00	30.00	100.00
		5670	30.00	30.00	100.00
11AC20SISO	Ant0	5500	30.00	30.00	100.00
		5600	30.00	30.00	100.00
		5700	30.00	30.00	100.00
11AC40SISO	Ant0	5510	30.00	30.00	100.00
		5590	30.00	30.00	100.00
		5670	30.00	30.00	100.00
11AC80SISO	Ant0	5530	30.00	30.00	100.00
		5610	30.00	30.00	100.00

Test Graphs

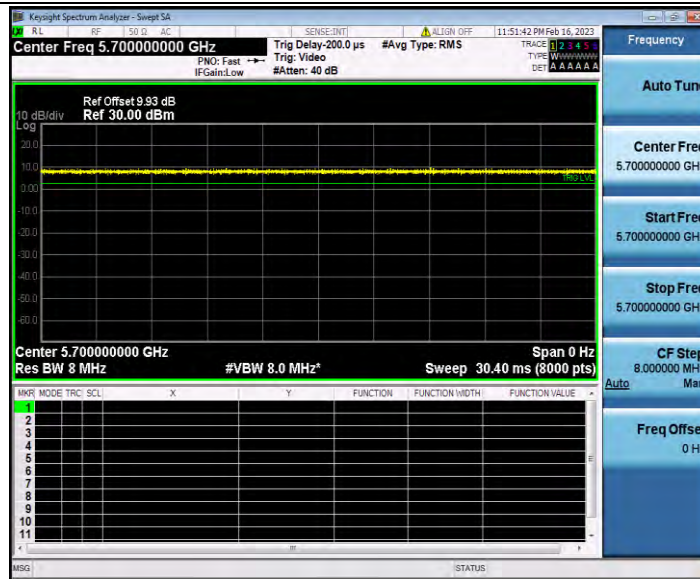
11A_Ant0_5500



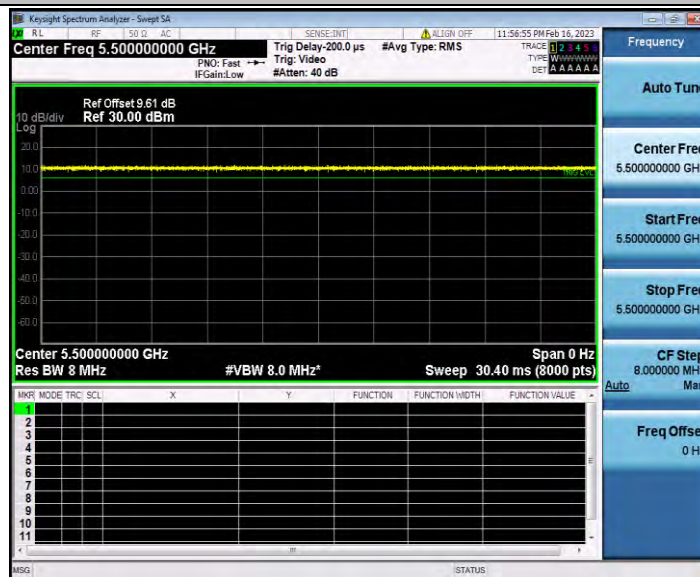
11A_Ant0_5600



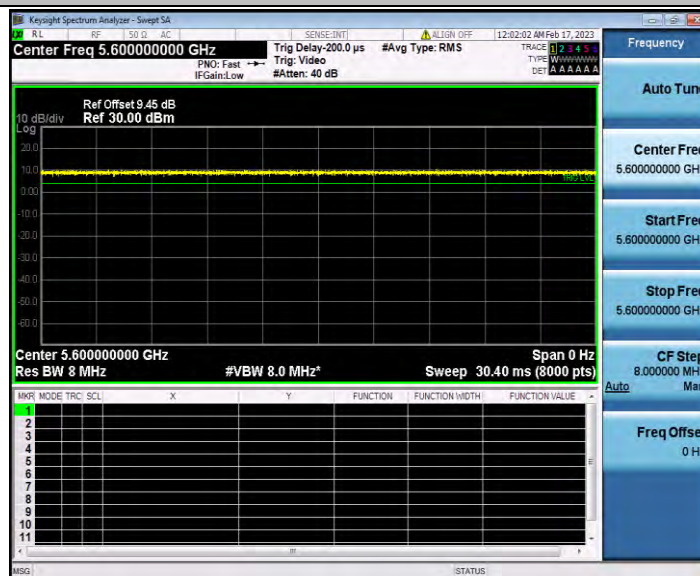
11A_Ant0_5700



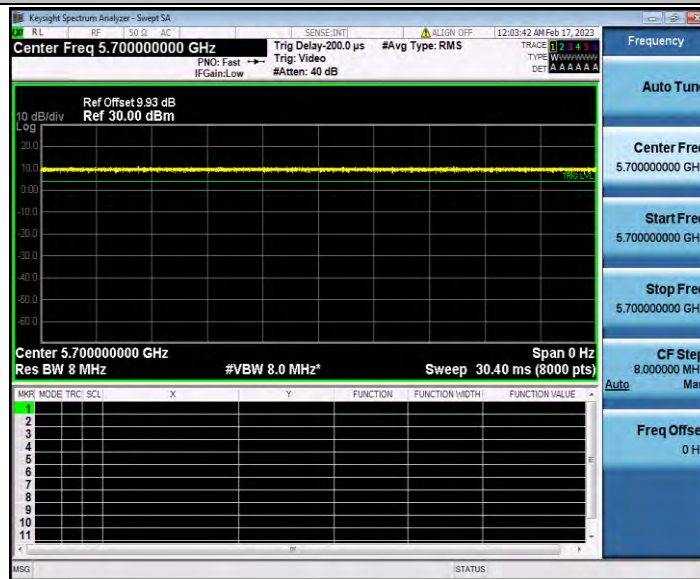
11N20SISO_Ant0_5500



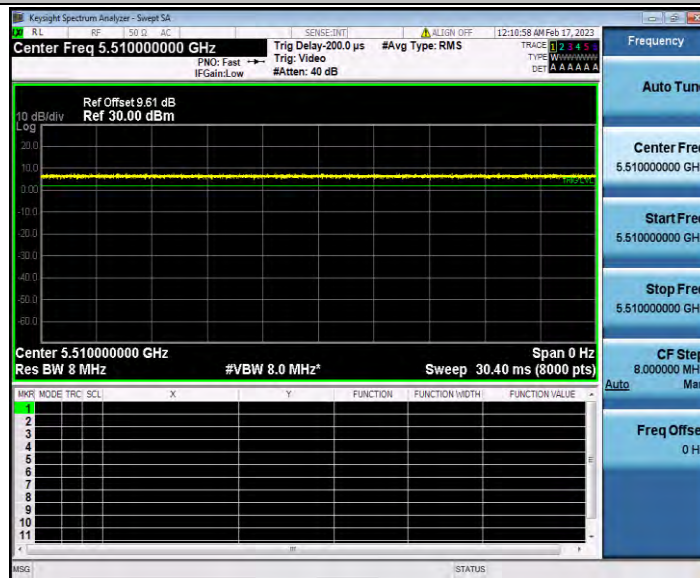
11N20SISO_Ant0_5600



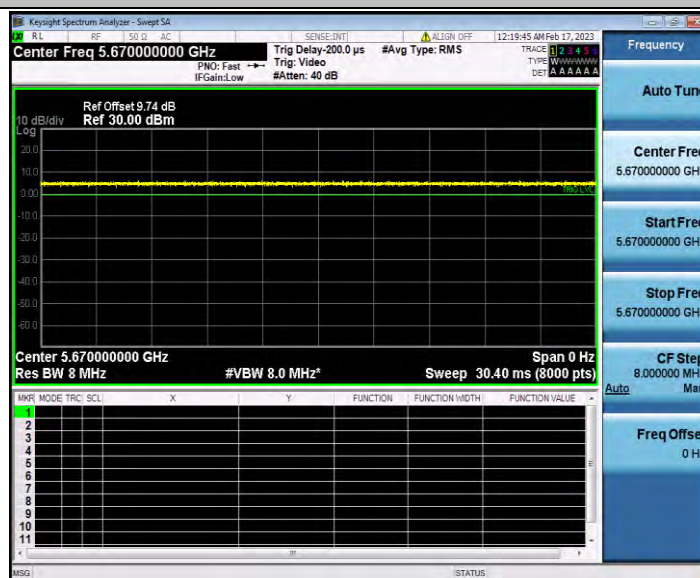
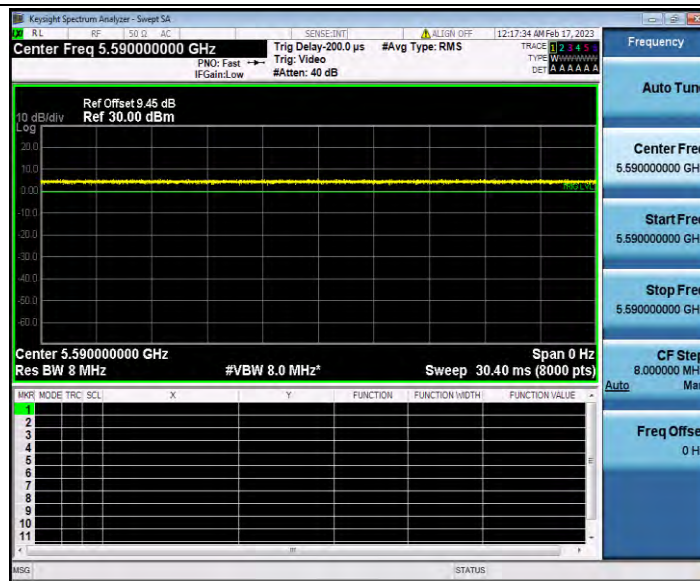
11N20SISO_Ant0_5700



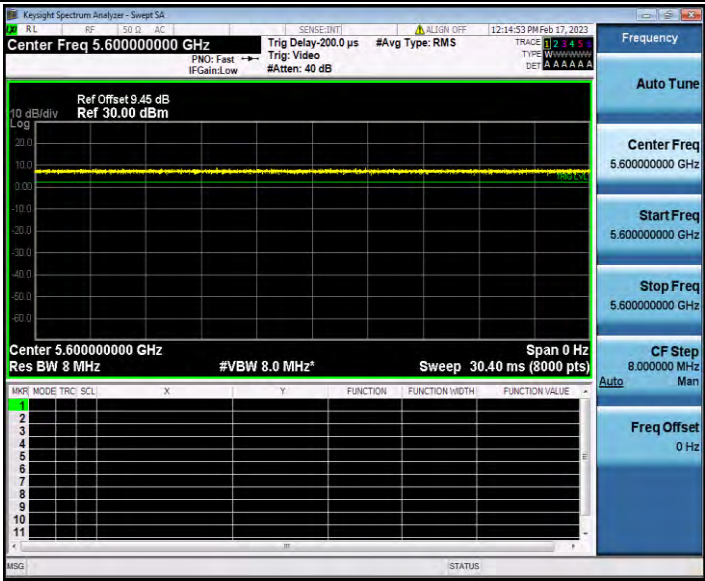
11N40SISO_Ant0_5510



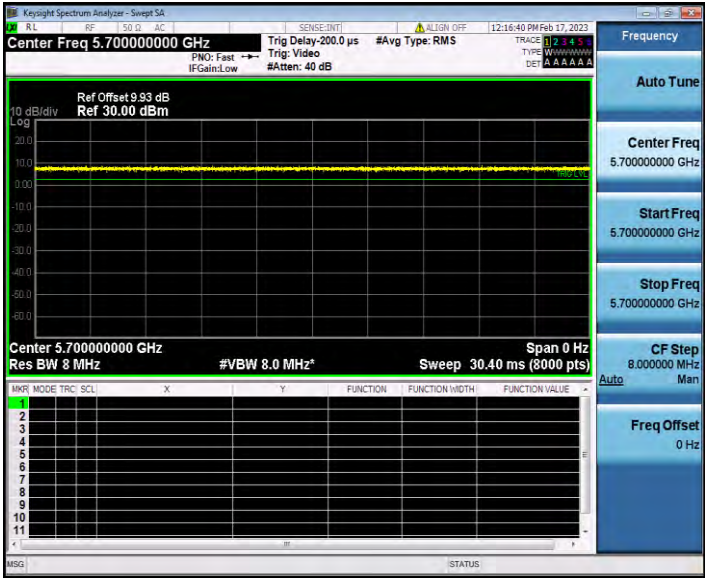
11N40SISO_Ant0_5590



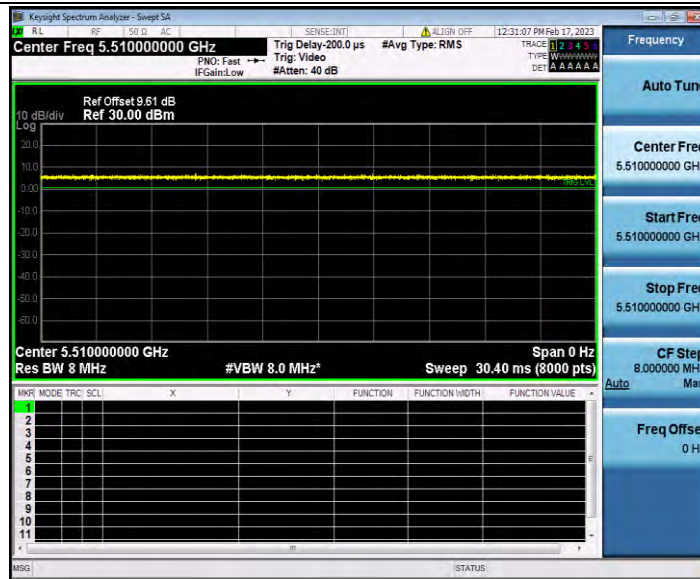
11AC20SISO_Ant0_5600



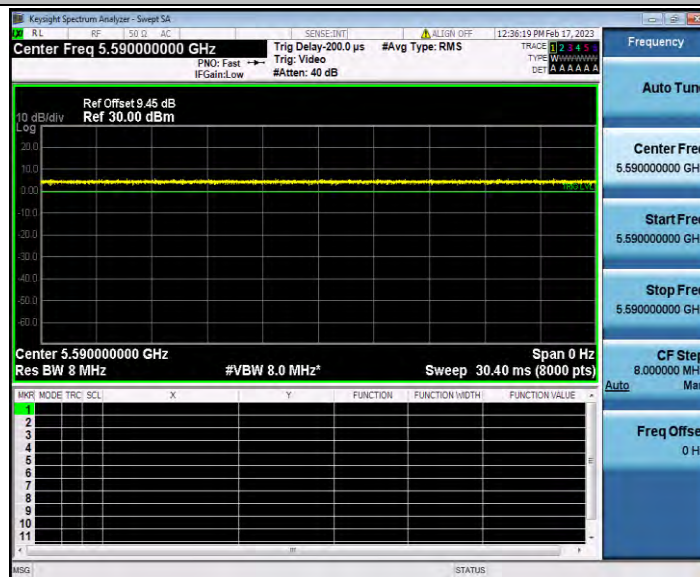
11AC20SISO_Ant0_5700



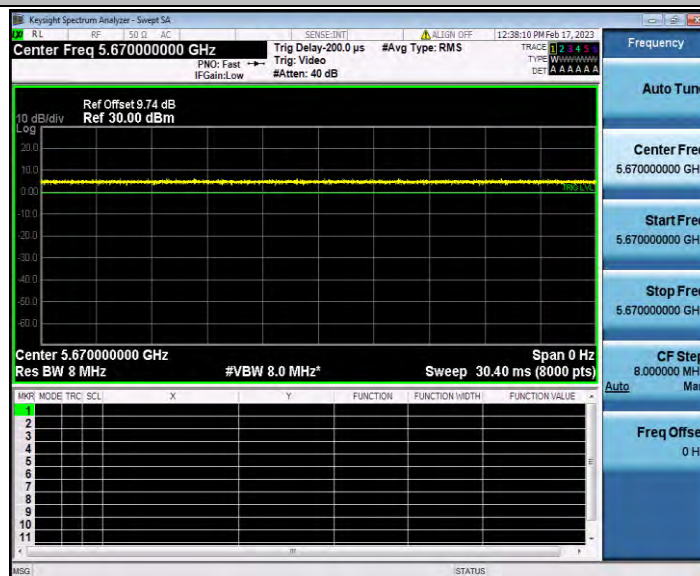
11AC40SISO_Ant0_5510



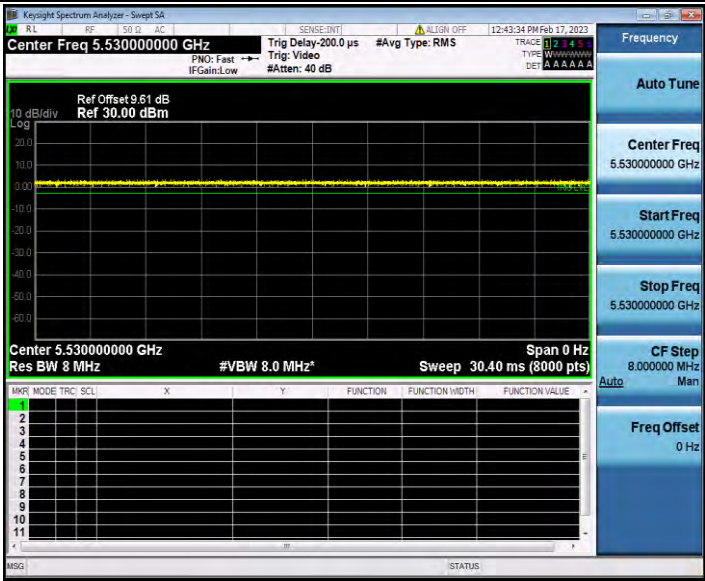
11AC40SISO_Ant0_5590



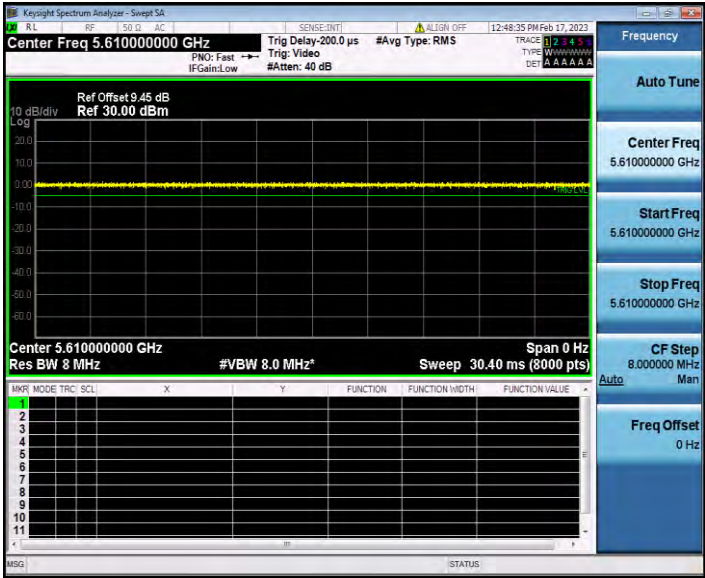
11AC40SISO_Ant0_5670



11AC80SISO_Ant0_5530



11AC80SISO_Ant0_5610



Appendix F.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	5500	12.55	100.00	0.00	12.55	≤23.69	PASS
		5600	11.13	100.00	0.00	11.13	≤23.70	PASS
		5700	11.31	100.00	0.00	11.31	≤23.69	PASS
11N20SISO	Ant0	5500	14.37	100.00	0.00	14.37	≤23.90	PASS
		5600	12.73	100.00	0.00	12.73	≤23.89	PASS
		5700	12.95	100.00	0.00	12.95	≤23.93	PASS
11N40SISO	Ant0	5510	12.72	100.00	0.00	12.72	≤23.98	PASS
		5590	10.85	100.00	0.00	10.85	≤23.98	PASS
		5670	11.07	100.00	0.00	11.07	≤23.98	PASS
11AC20SISO	Ant0	5500	13.34	100.00	0.00	13.34	≤23.91	PASS
		5600	11.15	100.00	0.00	11.15	≤23.90	PASS
		5700	11.31	100.00	0.00	11.31	≤23.92	PASS
11AC40SISO	Ant0	5510	11.85	100.00	0.00	11.85	≤23.98	PASS
		5590	10.78	100.00	0.00	10.78	≤23.98	PASS
		5670	11.00	100.00	0.00	11.00	≤23.98	PASS
11AC80SISO	Ant0	5530	11.52	100.00	0.00	11.52	≤23.98	PASS
		5610	9.88	100.00	0.00	9.88	≤23.98	PASS

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

Appendix F.5: Maximum power spectral density

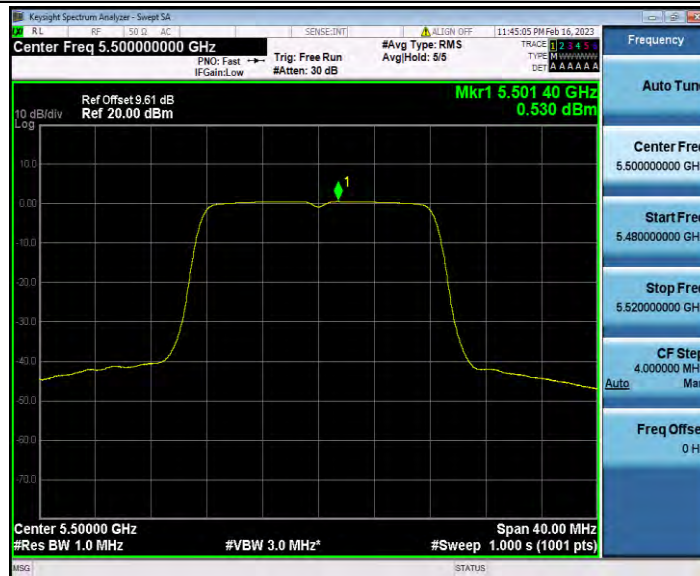
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5500	0.53	≤11.00	PASS
		5600	-0.84	≤11.00	PASS
		5700	-0.57	≤11.00	PASS
11N20SISO	Ant0	5500	2.06	≤11.00	PASS
		5600	0.53	≤11.00	PASS
		5700	0.77	≤11.00	PASS
11N40SISO	Ant0	5510	-1.93	≤11.00	PASS
		5590	-3.62	≤11.00	PASS
		5670	-3.42	≤11.00	PASS
11AC20SISO	Ant0	5500	0.79	≤11.00	PASS
		5600	-1.11	≤11.00	PASS
		5700	-0.9	≤11.00	PASS
11AC40SISO	Ant0	5510	-2.67	≤11.00	PASS
		5590	-3.71	≤11.00	PASS
		5670	-3.49	≤11.00	PASS
11AC80SISO	Ant0	5530	-5.82	≤11.00	PASS
		5610	-7.45	≤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

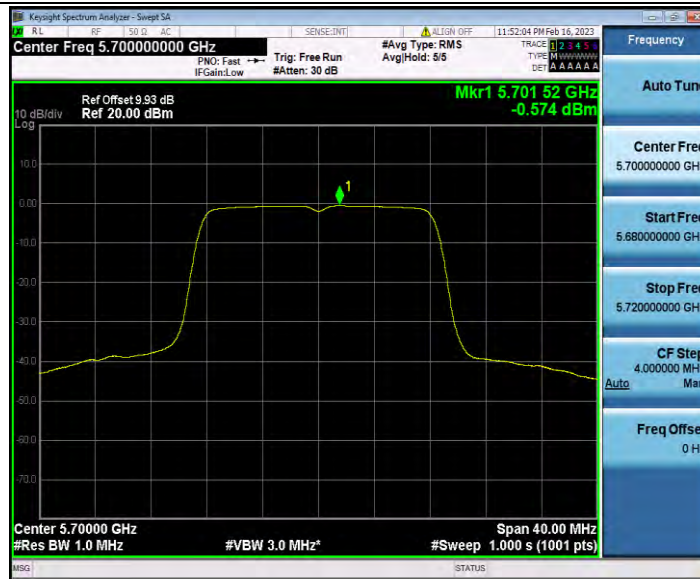
11A_Ant0_5500



11A_Ant0_5600



11A_Ant0_5700



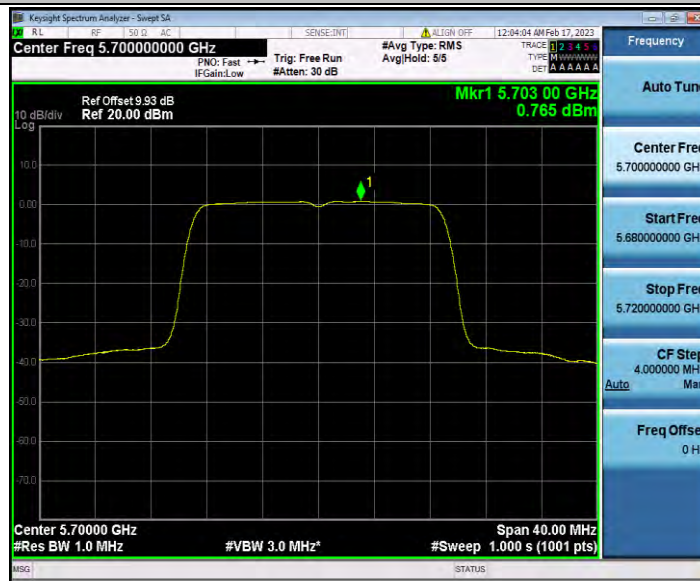
11N20SISO_Ant0_5500



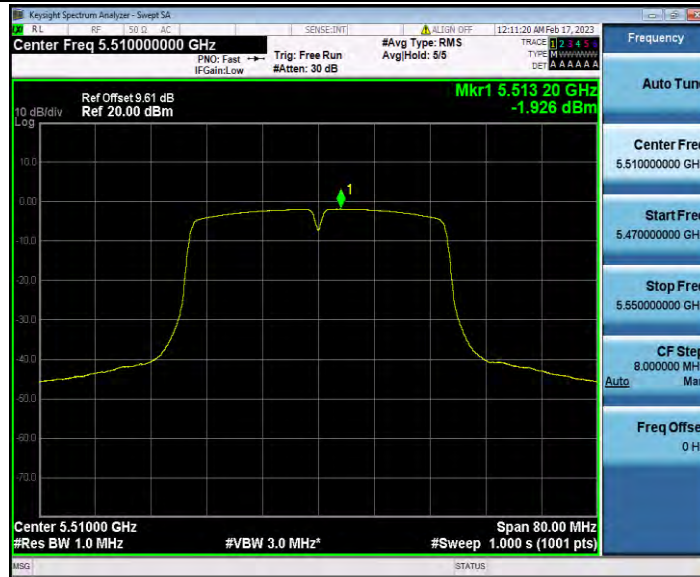
11N20SISO_Ant0_5600



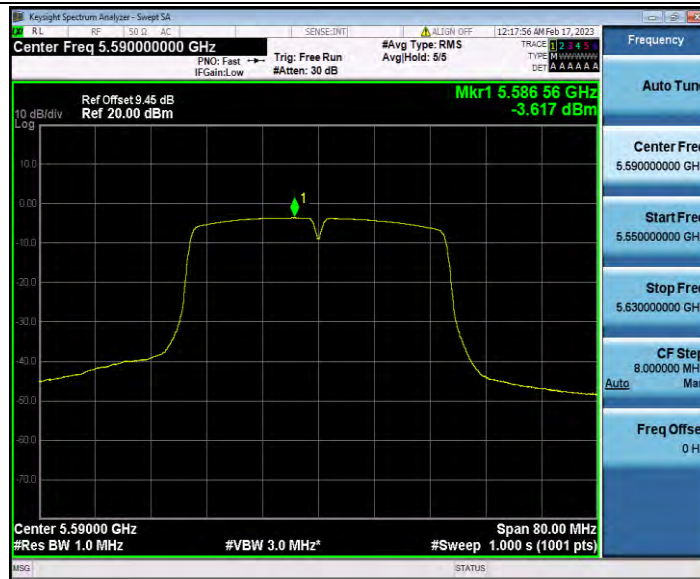
11N20SISO_Ant0_5700



11N40SISO_Ant0_5510



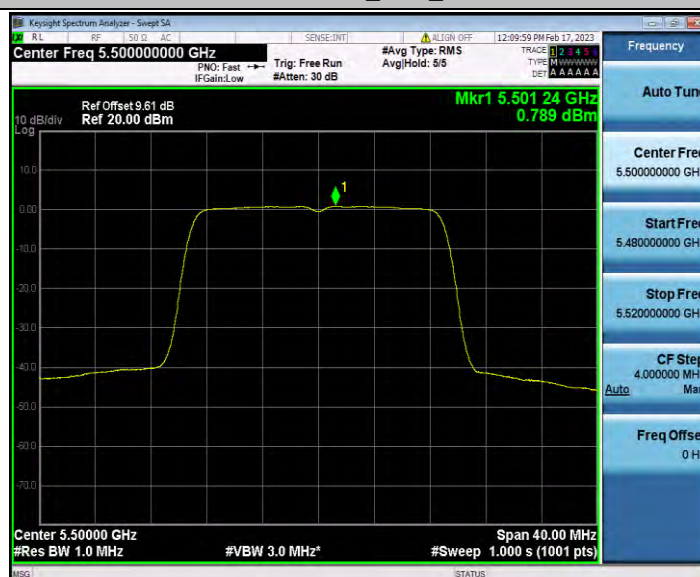
11N40SISO_Ant0_5590



11N40SISO_Ant0_5670



11AC20SISO_Ant0_5500



11AC20SISO_Ant0_5600



11AC20SISO_Ant0_5700



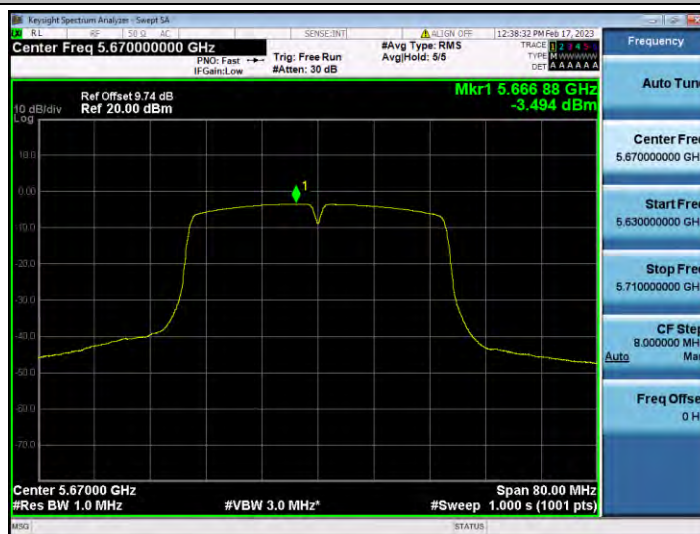
11AC40SISO_Ant0_5510



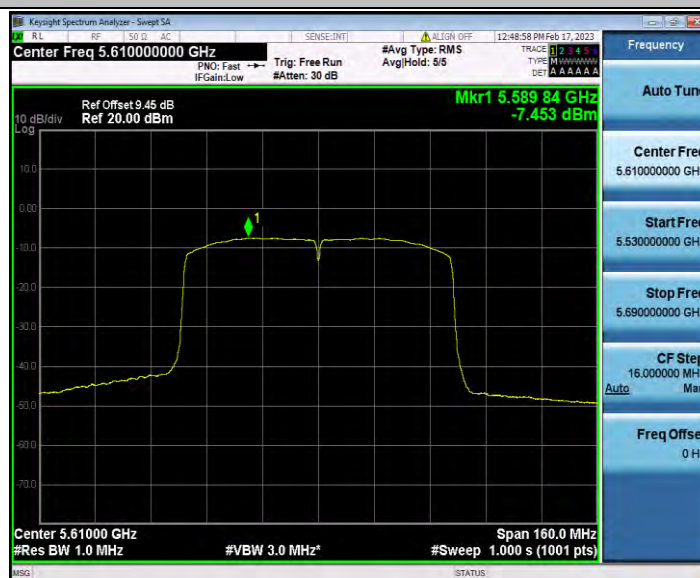
11AC40SISO_Ant0_5590



11AC40SISO_Ant0_5670



11AC80SISO_Ant0_5530



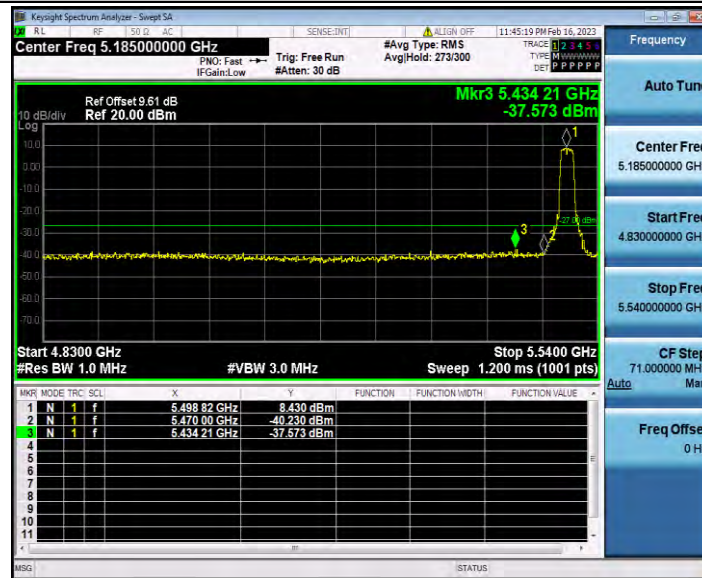
Appendix F.6: Band edge measurements

Test Result B3

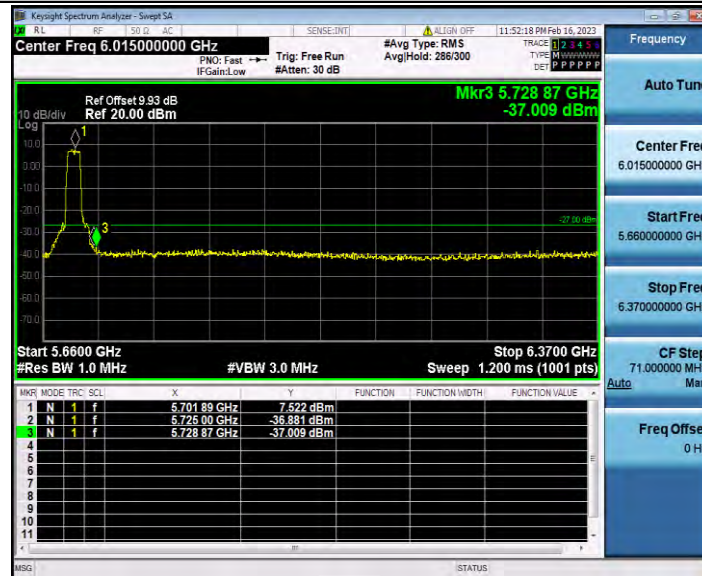
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	Low	5500	-37.57	≤-27	PASS
		High	5700	-37.01	≤-27	PASS
11N20SISO	Ant0	Low	5500	-33.08	≤-27	PASS
		High	5700	-29.11	≤-27	PASS
11N40SISO	Ant0	Low	5510	-34.31	≤-27	PASS
		High	5670	-37.83	≤-27	PASS
11AC20SISO	Ant0	Low	5500	-38.38	≤-27	PASS
		High	5700	-34.48	≤-27	PASS
11AC40SISO	Ant0	Low	5510	-36.12	≤-27	PASS
		High	5670	-37.73	≤-27	PASS
11AC80SISO	Ant0	Low	5530	-35.2	≤-27	PASS
		High	5610	-38.3	≤-27	PASS

Test Graphs B3

11A_Ant0_Low_5500



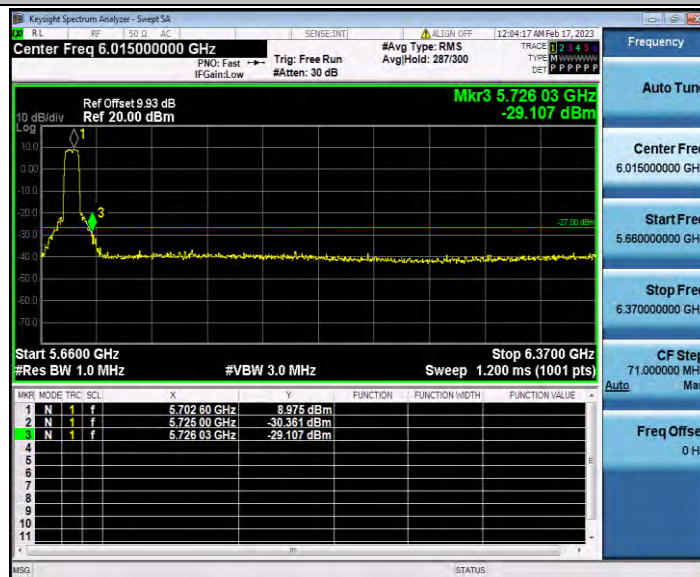
11A_Ant0_High_5700



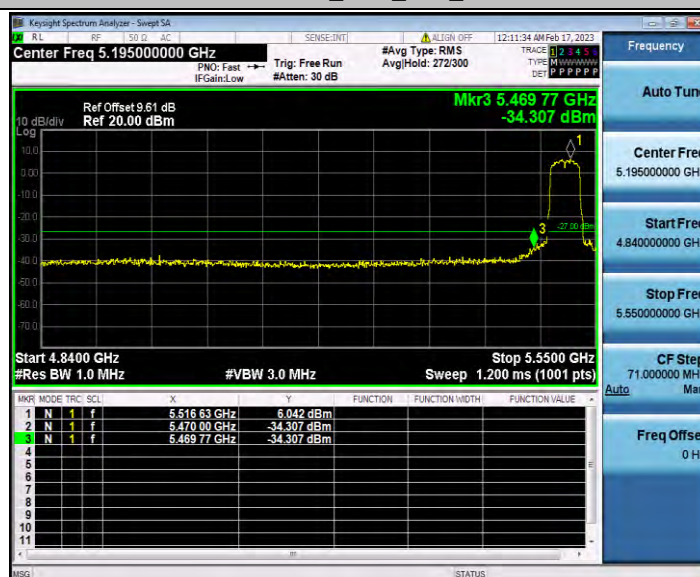
11N20SISO_Ant0_Low_5500



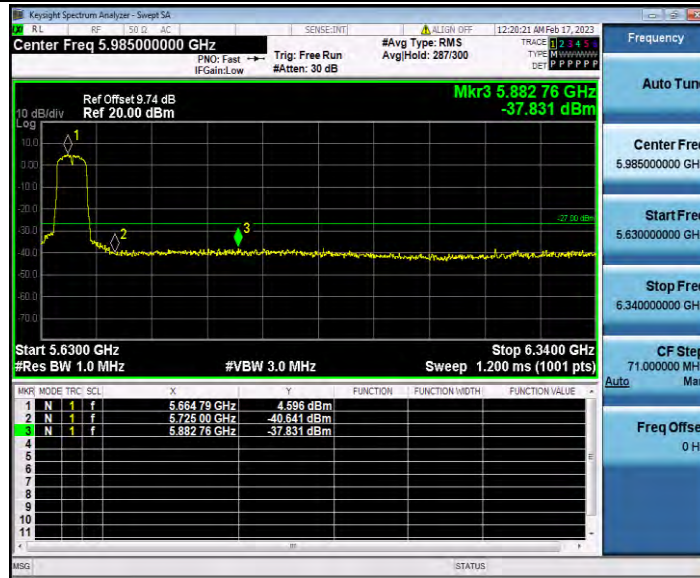
11N20SISO_Ant0_High_5700



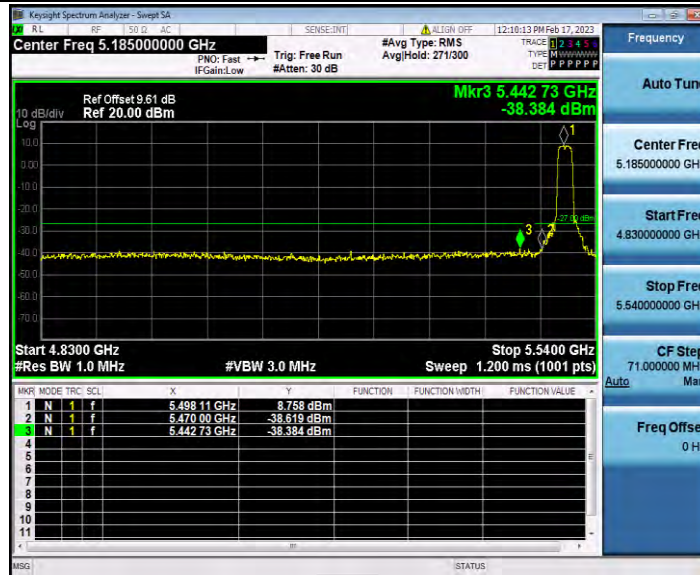
11N40SISO_Ant0_Low_5510



11N40SISO_Ant0_High_5670



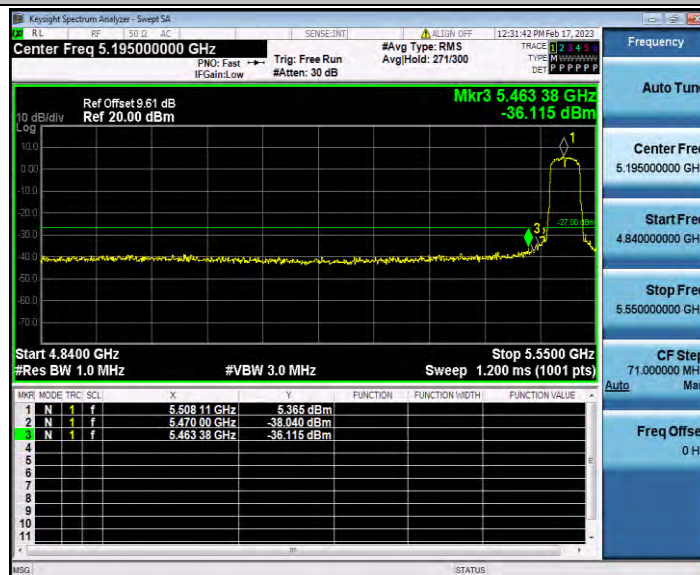
11AC20SISO_Ant0_Low_5500



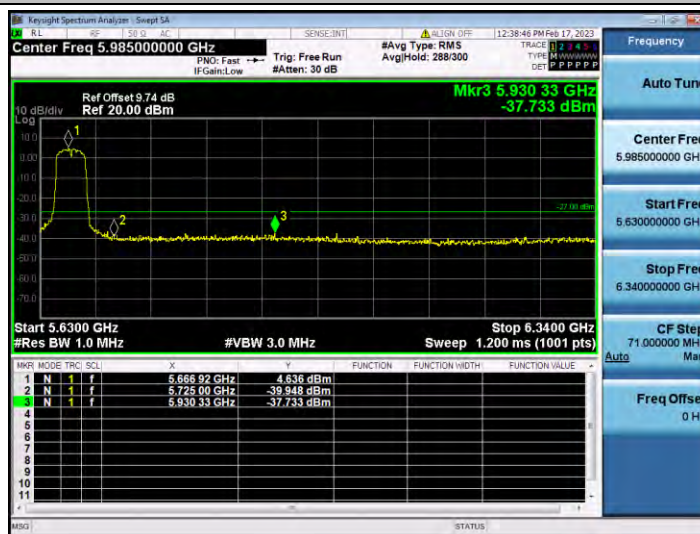
11AC20SISO_Ant0_High_5700



11AC40SISO_Ant0_Low_5510



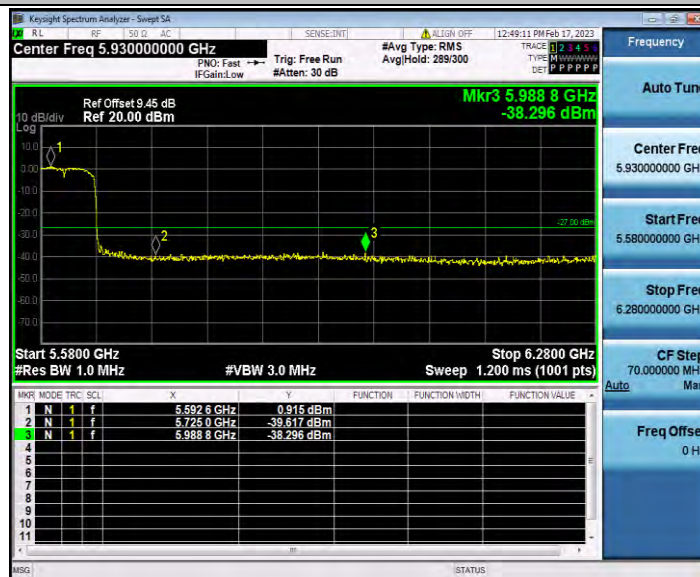
11AC40SISO_Ant0_High_5670



11AC80SISO_Ant0_Low_5530



11AC80SISO_Ant0_High_5610



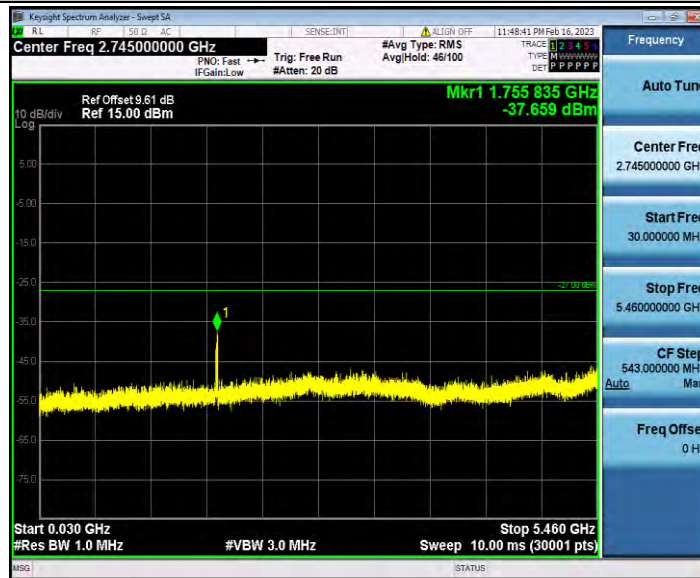
Appendix F.7: Conducted Spurious Emission

Test Result

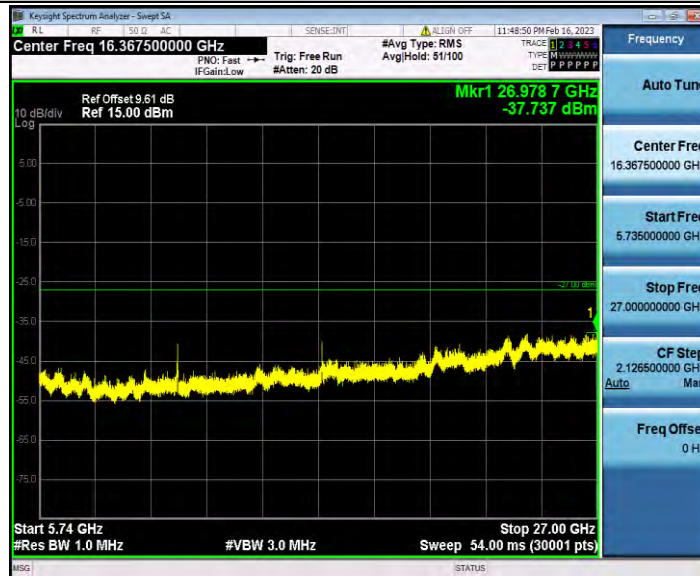
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant0	5500	30~5460	1755.84	-37.66	≤-27	PASS
			5735~40000	26978.74	-37.74	≤-27	PASS
		5600	30~5460	1754.03	-40.3	≤-27	PASS
			5735~40000	24899.73	-38.59	≤-27	PASS
		5700	30~5460	1756.56	-40.76	≤-27	PASS
			5735~40000	25249.18	-37.04	≤-27	PASS
11N20SISO	Ant0	5500	30~5460	1763.44	-40.89	≤-27	PASS
			5735~40000	16507.85	-37.73	≤-27	PASS
		5600	30~5460	1747.51	-44.2	≤-27	PASS
			5735~40000	23513.96	-37.8	≤-27	PASS
		5700	30~5460	5439.91	-46.43	≤-27	PASS
			5735~40000	26537.13	-37.81	≤-27	PASS
11N40SISO	Ant0	5510	30~5460	5457.83	-40.71	≤-27	PASS
			5735~40000	24324.86	-37.83	≤-27	PASS
		5590	30~5460	5415.11	-46.39	≤-27	PASS
			5735~40000	25166.96	-37.87	≤-27	PASS
		5670	30~5460	5410.41	-46.71	≤-27	PASS
			5735~40000	26439.31	-37.27	≤-27	PASS
11AC20SISO	Ant0	5500	30~5460	5458.19	-46.63	≤-27	PASS
			5735~40000	25171.92	-38.99	≤-27	PASS
		5600	30~5460	5449.5	-47.29	≤-27	PASS
			5735~40000	24852.24	-38.39	≤-27	PASS
		5700	30~5460	2644	-46.86	≤-27	PASS
			5735~40000	26578.95	-38.54	≤-27	PASS
11AC40SISO	Ant0	5510	30~5460	5459.28	-41.88	≤-27	PASS
			5735~40000	26059.38	-38.07	≤-27	PASS
		5590	30~5460	4965.33	-46.04	≤-27	PASS
			5735~40000	26476.88	-38.37	≤-27	PASS
		5670	30~5460	3066.28	-46.52	≤-27	PASS
			5735~40000	26649.84	-38.61	≤-27	PASS
11AC80SISO	Ant0	5530	30~5460	5456.74	-38.33	≤-27	PASS
			5735~40000	24253.98	-37.95	≤-27	PASS
		5610	30~5460	5022.52	-46.79	≤-27	PASS
			5735~40000	26738.44	-38.47	≤-27	PASS

Test Graphs

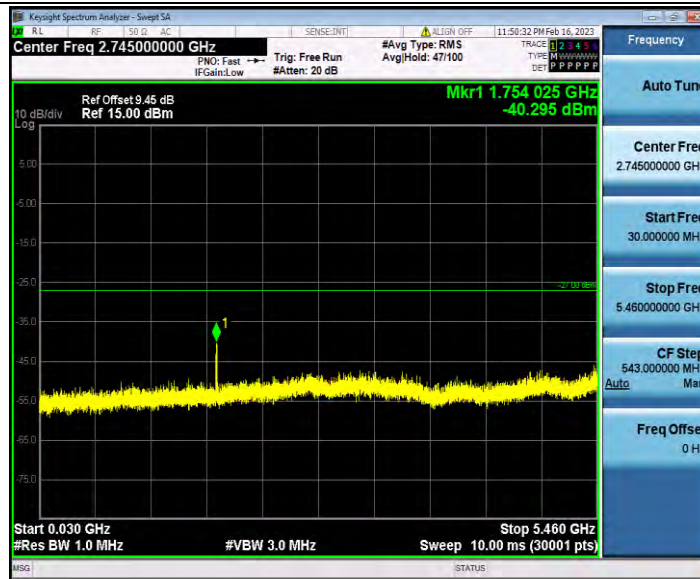
11A_Ant0_5500_30~5460



11A_Ant0_5500_5735~40000



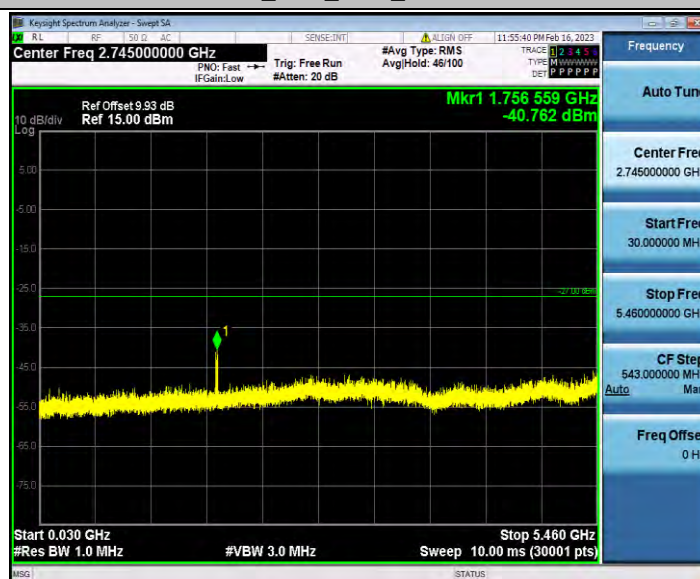
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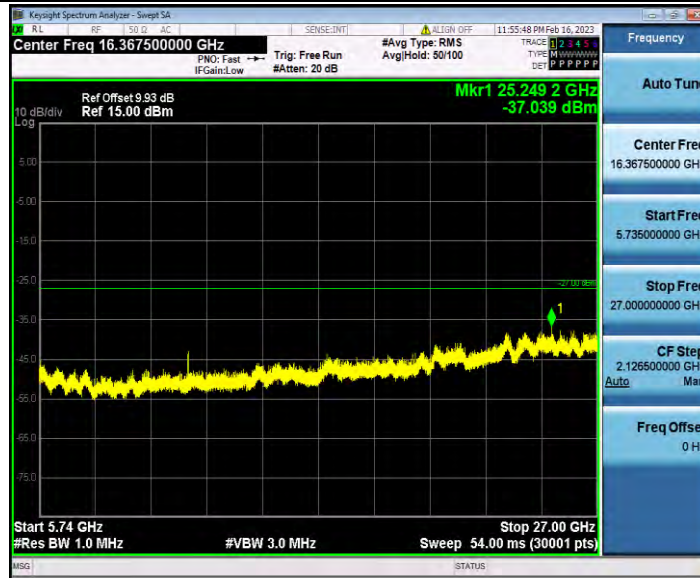
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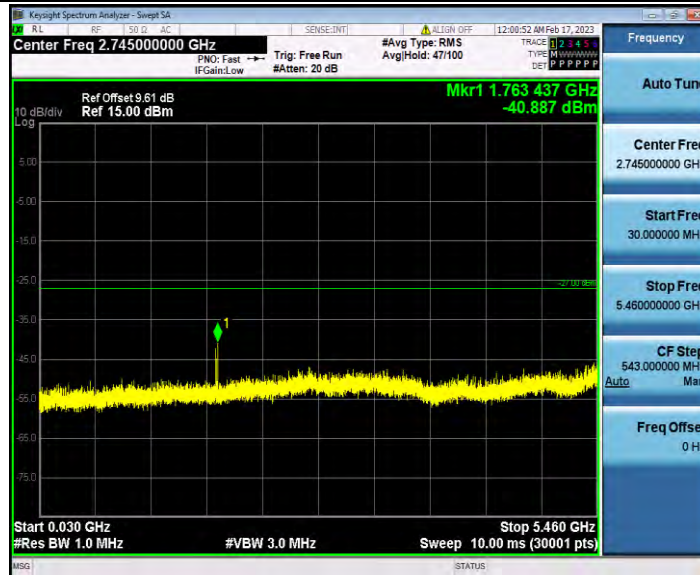
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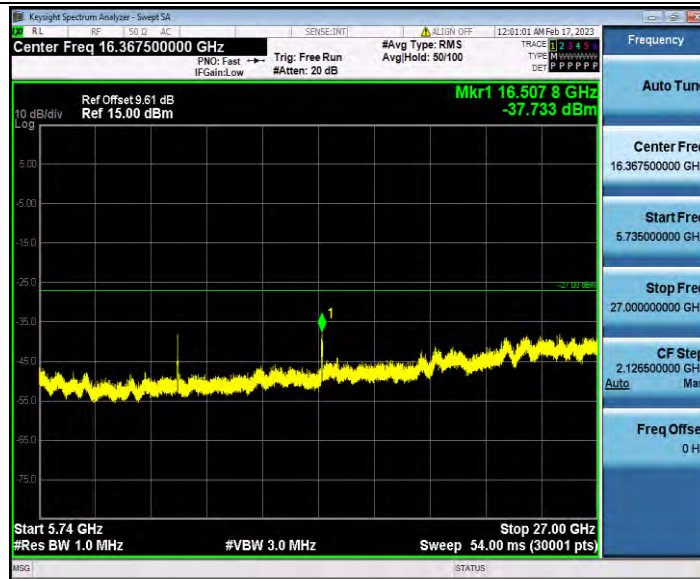
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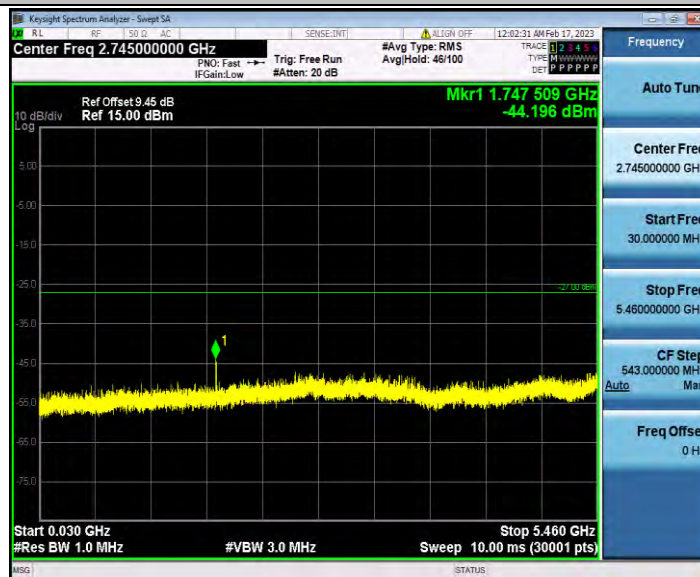
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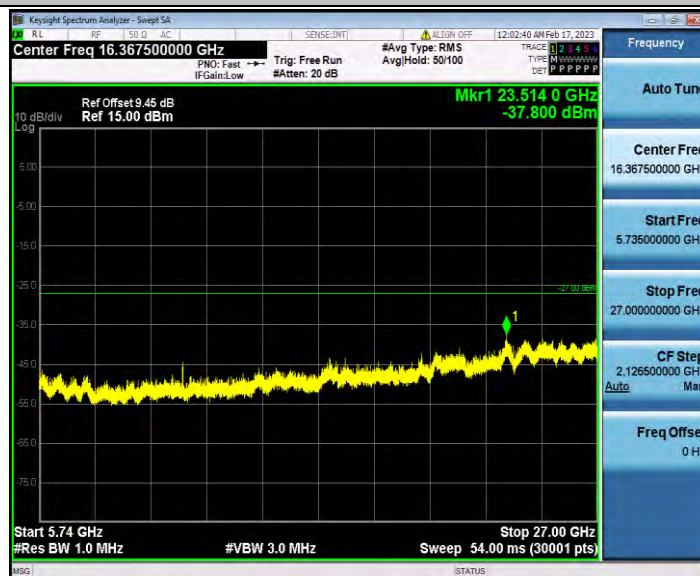
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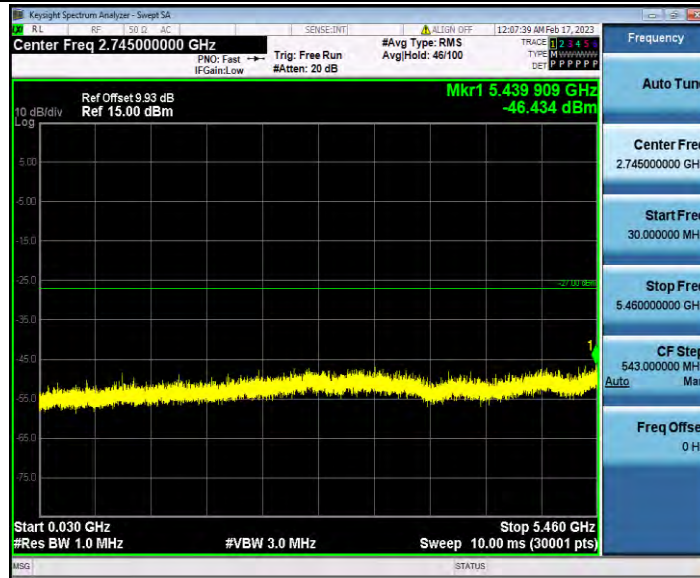
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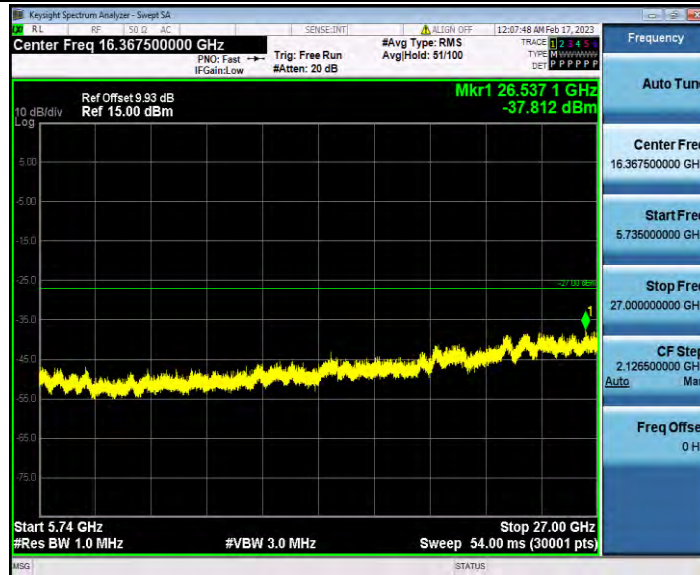
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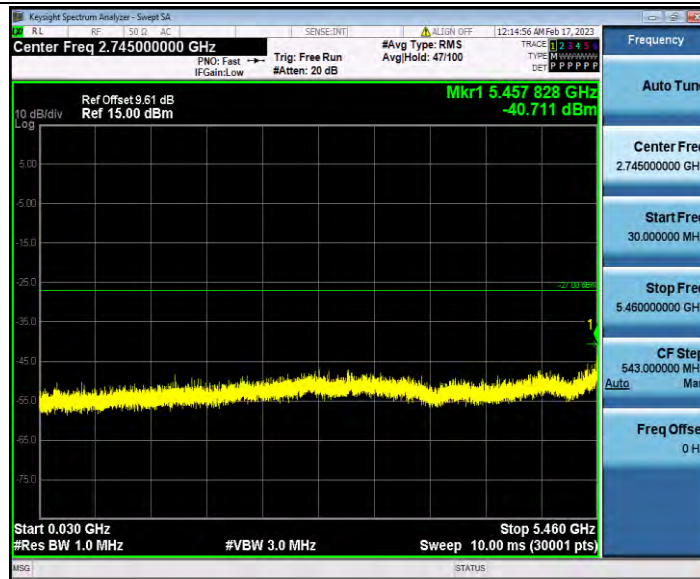
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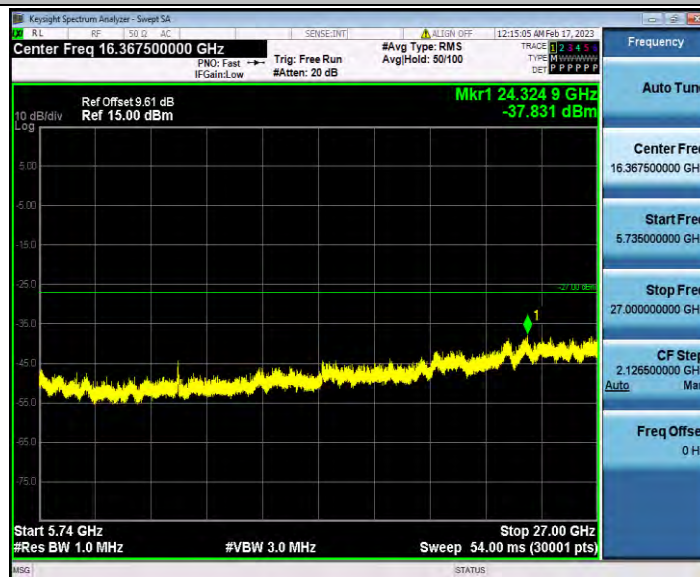
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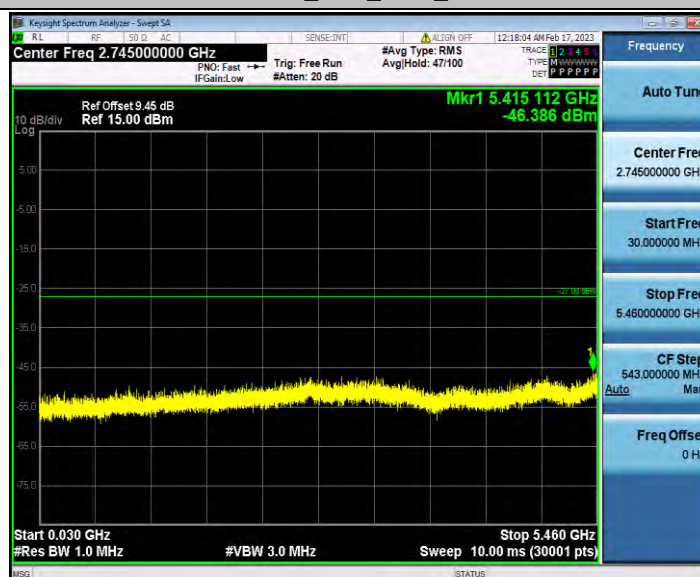
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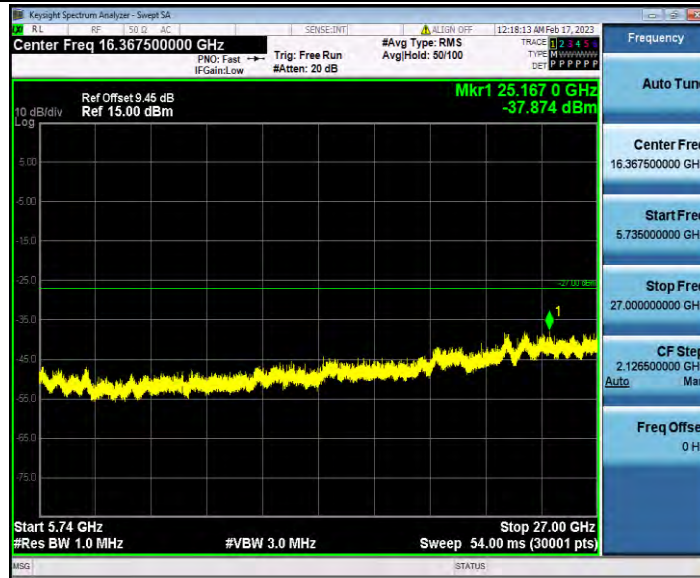
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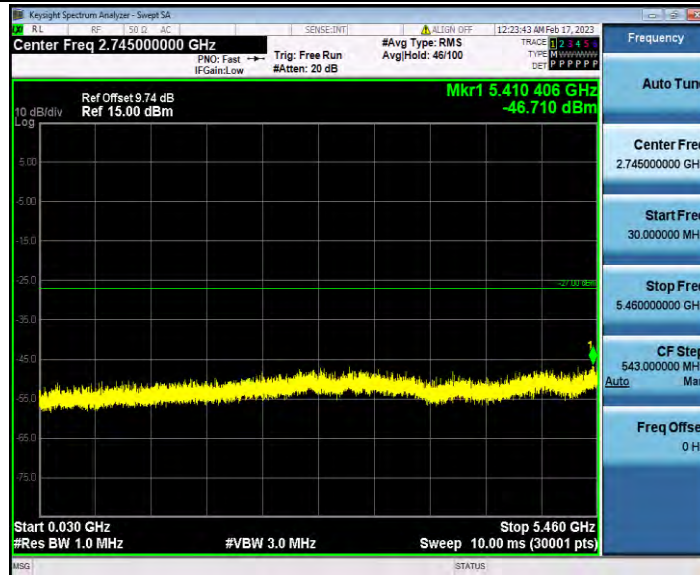
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11N40SISO_Ant0_5590_5735~40000



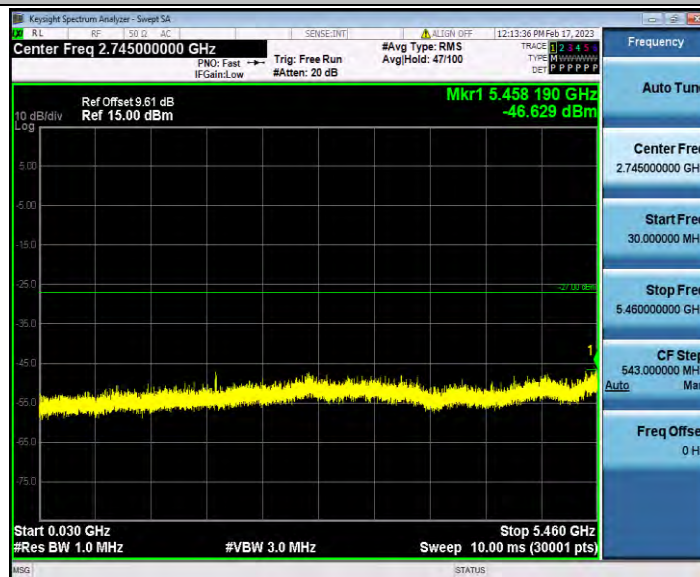
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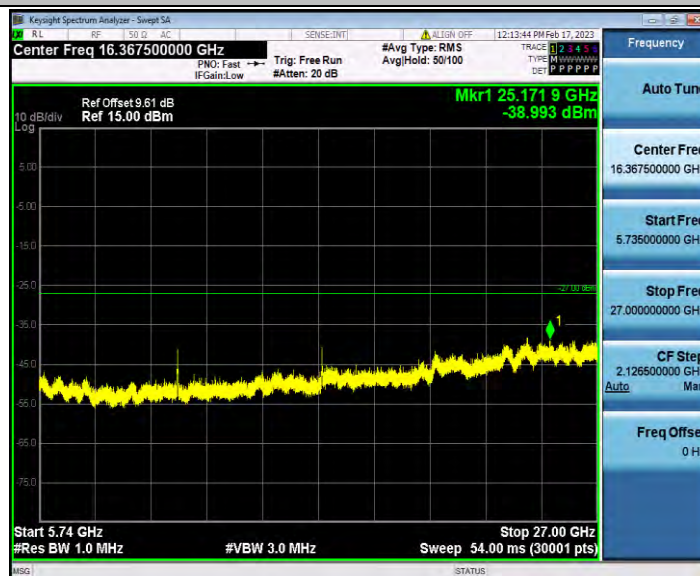
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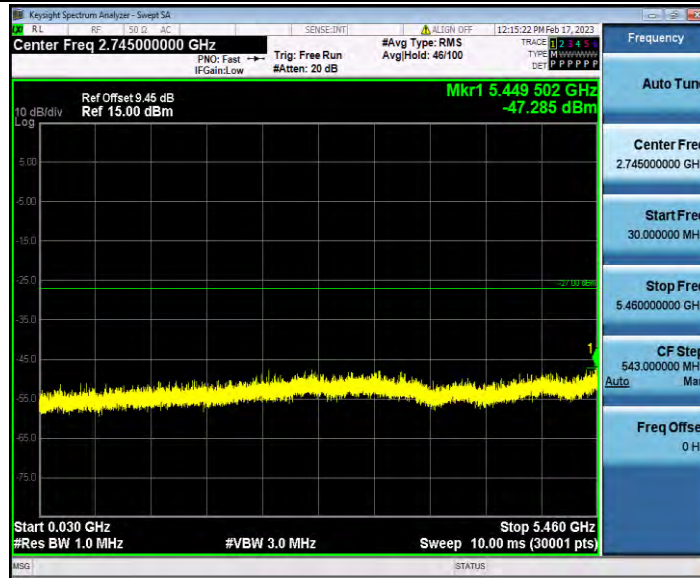
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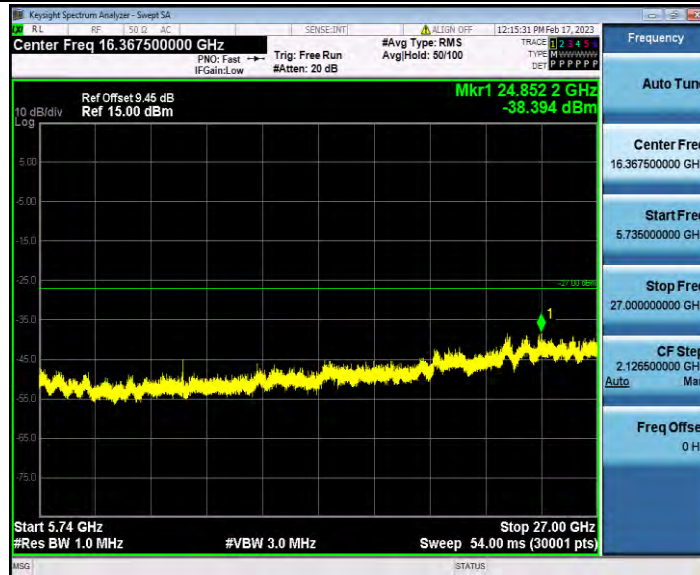
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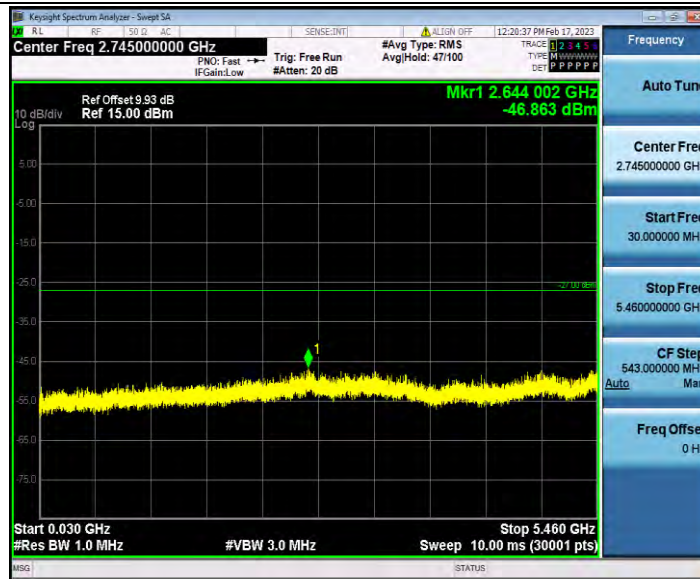
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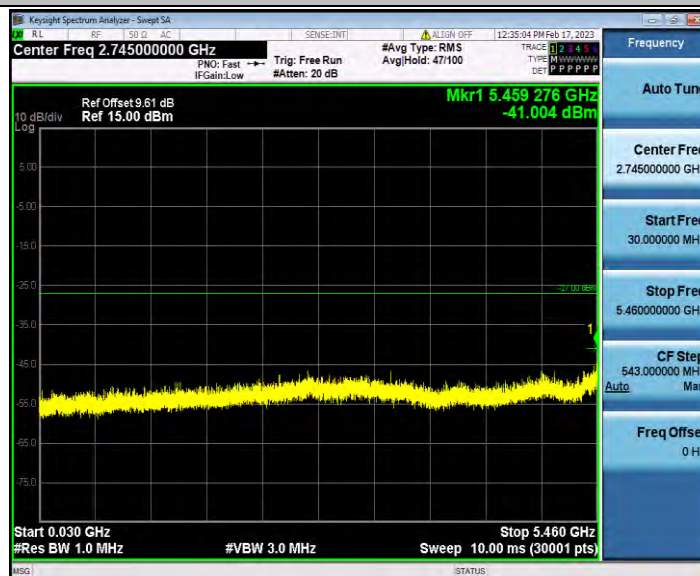
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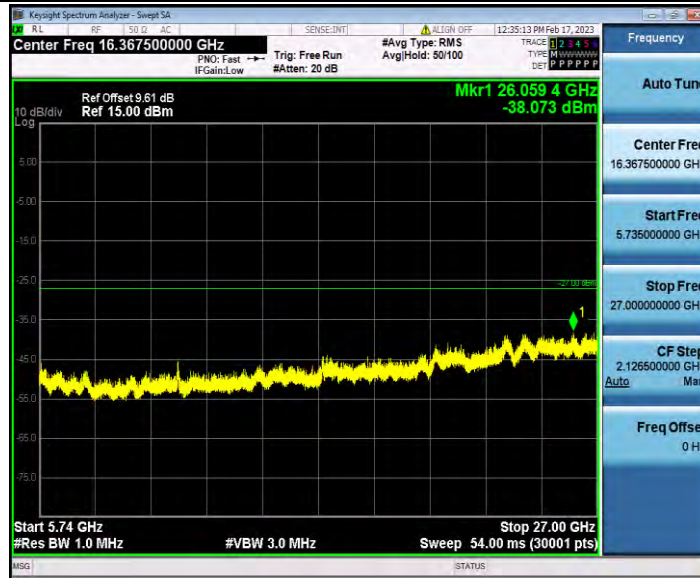
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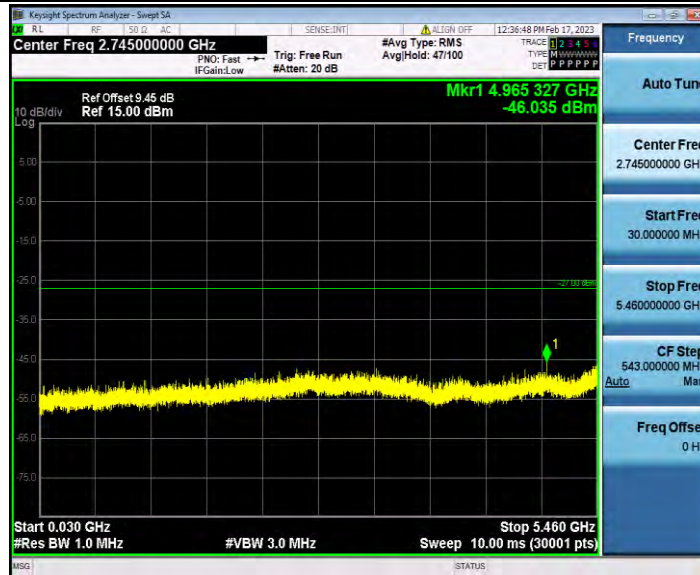
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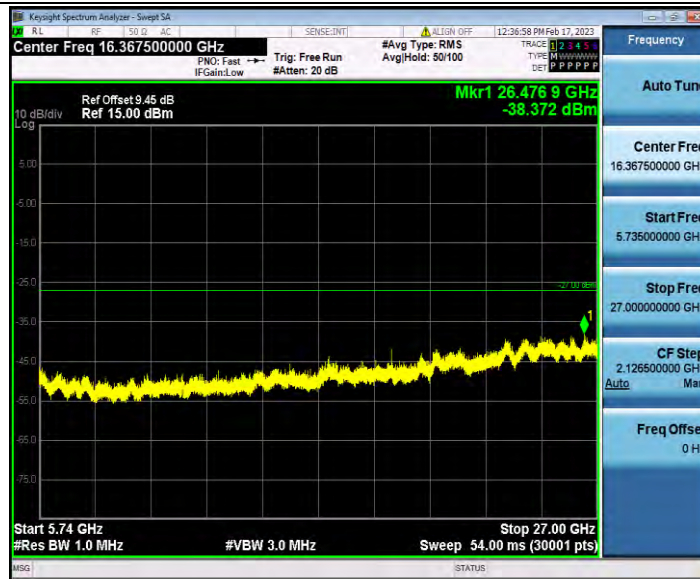
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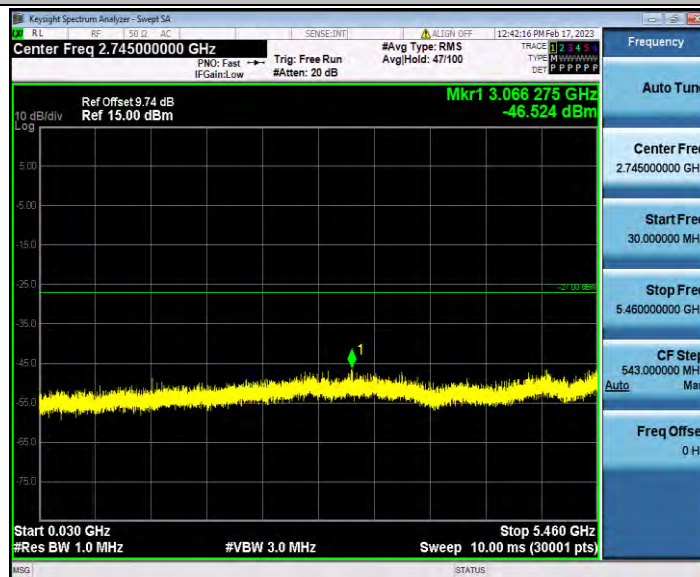
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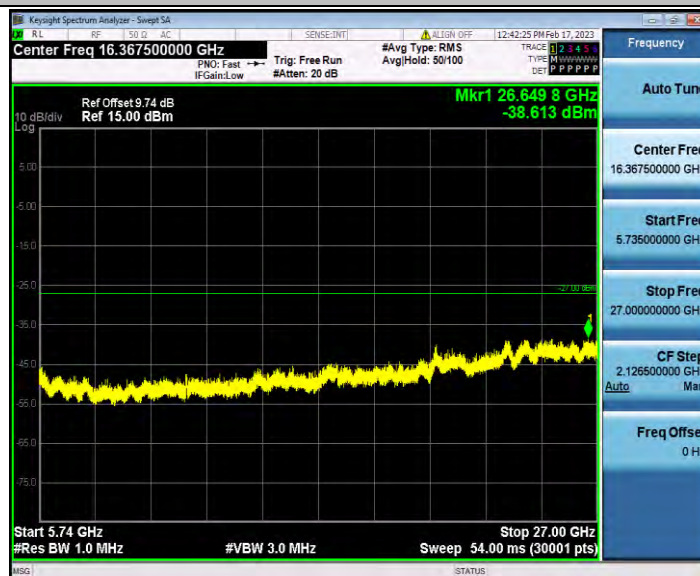
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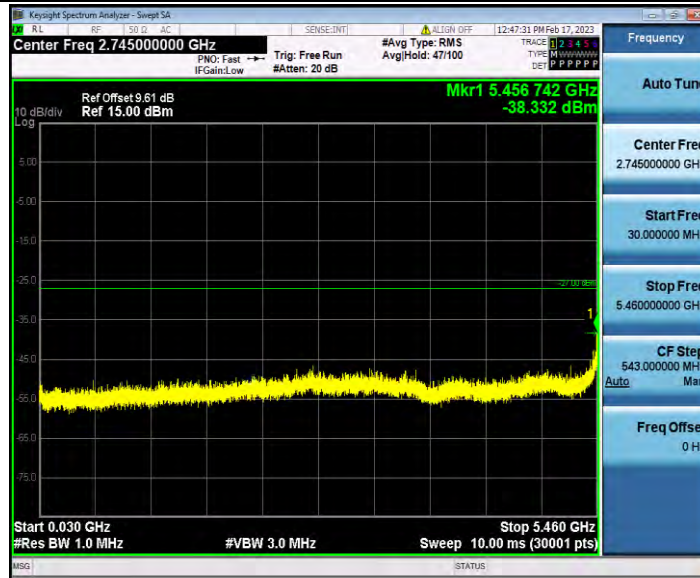
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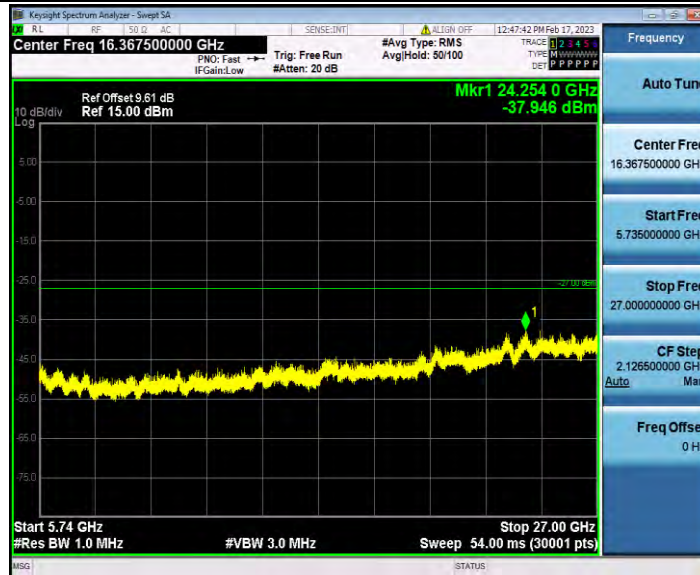
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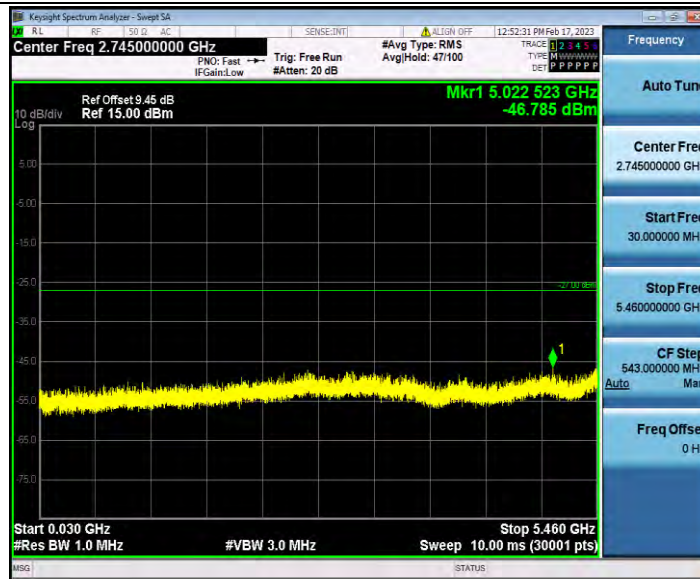
11AC80SISO_Ant0_5530_30~5460



11AC80SISO_Ant0_5530_5735~40000



11AC80SISO_Ant0_5610_30~5460



11AC80SISO_Ant0_5610_5735~40000

