Case No. : GTS20230508024-1-19	
Ambient Condition: 23 ℃, 49 %RH, Atmos100.1Kpa,	
Test Date: 2023.5.29	**Test Engineer:** Jenny zeng

Appendix C.1: DTS Bandwidth

Test Result

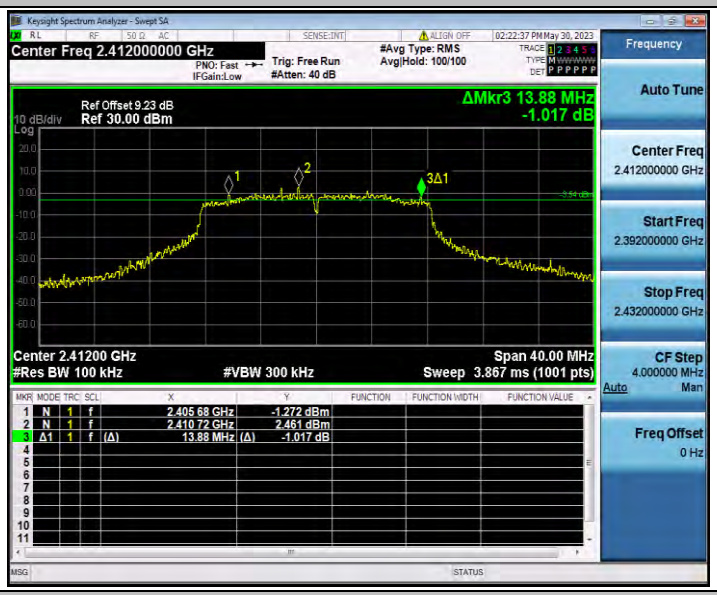
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.600	2406.960	2416.560	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant2	2412	13.880	2405.680	2419.560	0.5	PASS
		2437	12.560	2430.680	2443.240	0.5	PASS
		2462	12.200	2456.080	2468.280	0.5	PASS
11N20SISO	Ant2	2412	14.040	2406.320	2420.360	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	16.120	2453.640	2469.760	0.5	PASS
11N40SISO	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

11B_Ant2_2412

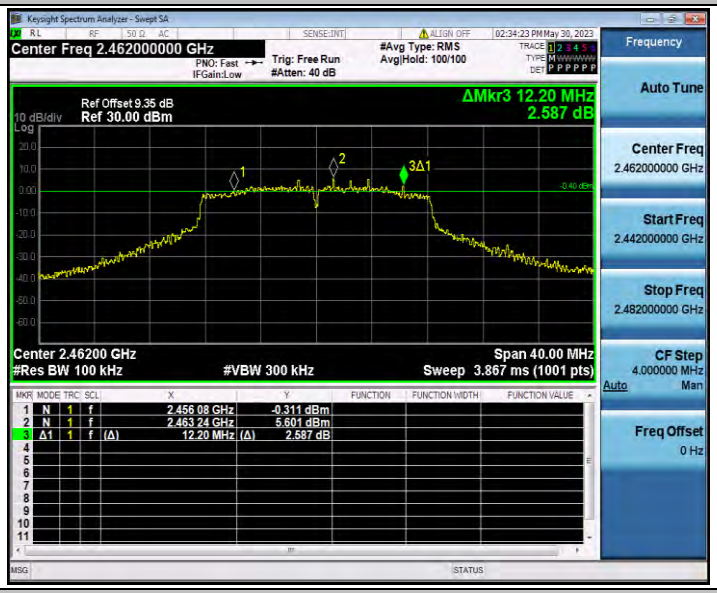
11B_Ant2_2437

11B_Ant2_2462

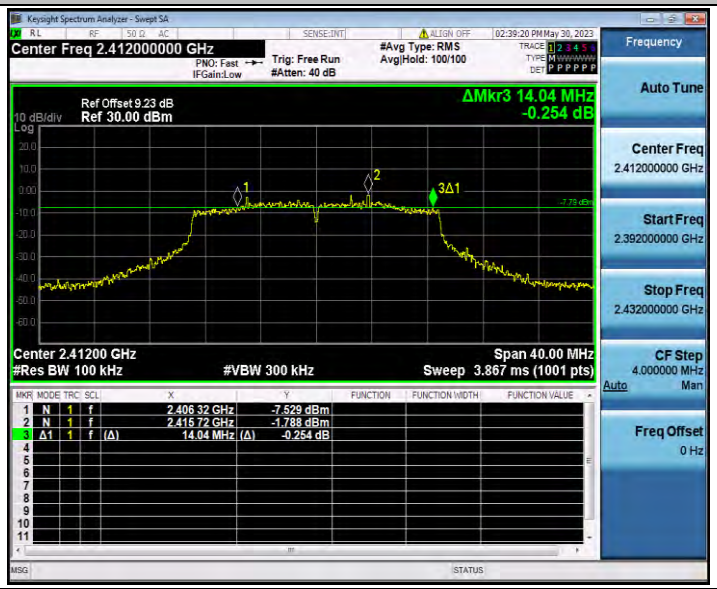


11G_Ant2_2412

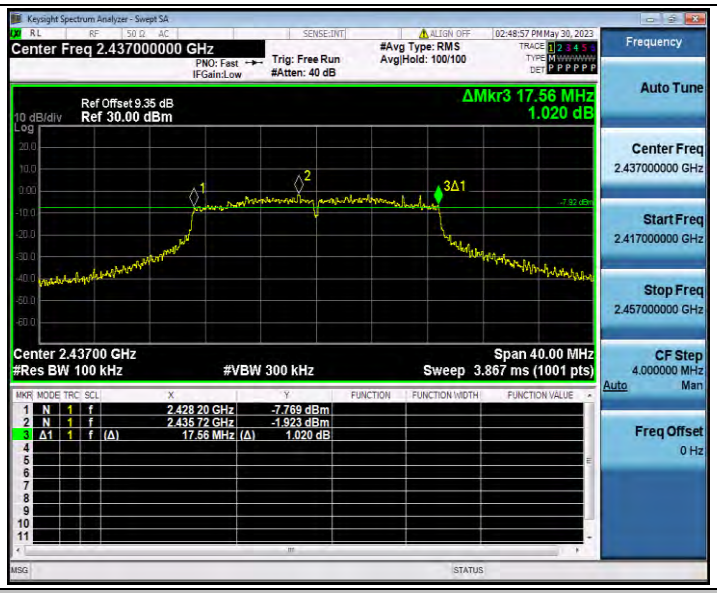
11G_Ant2_2437



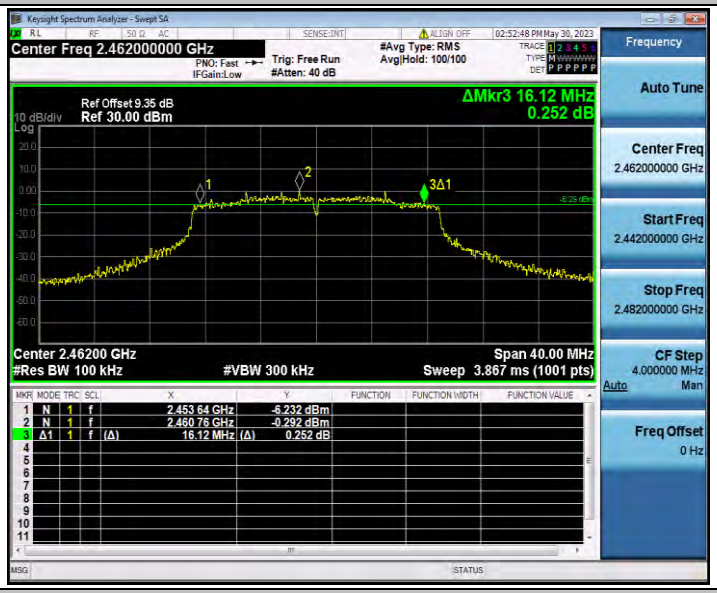
11G_Ant2_2462



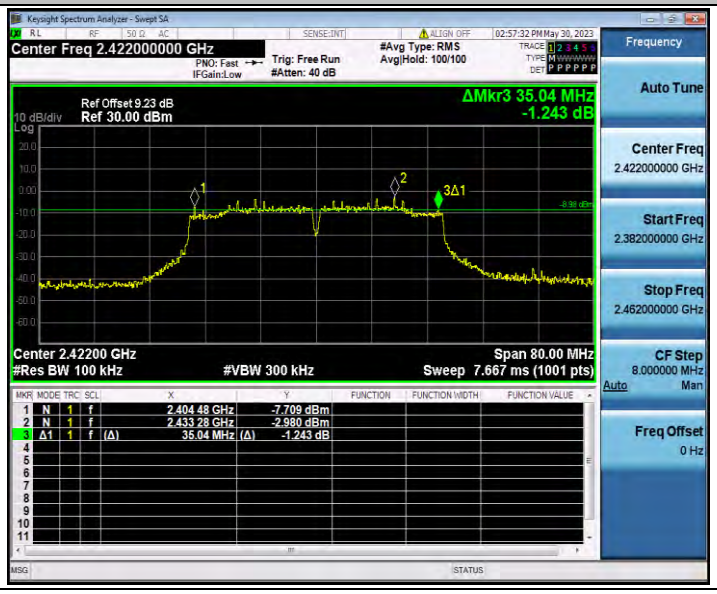
11N20SISO_Ant2_2412

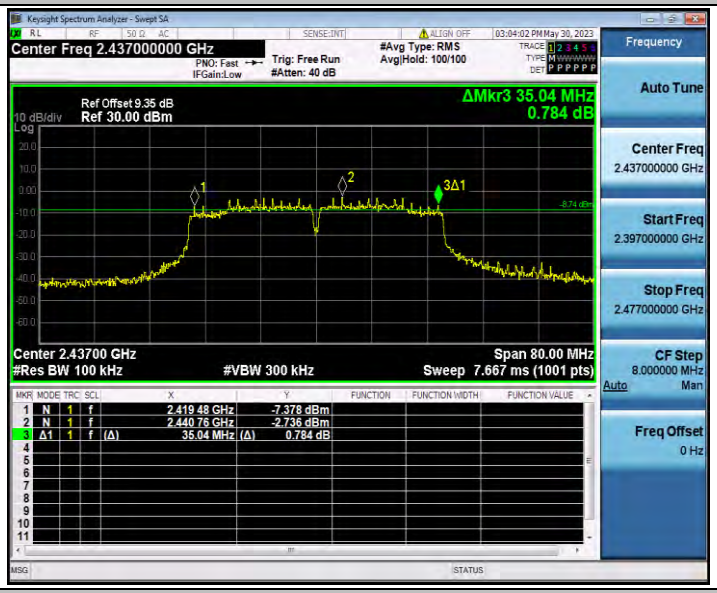


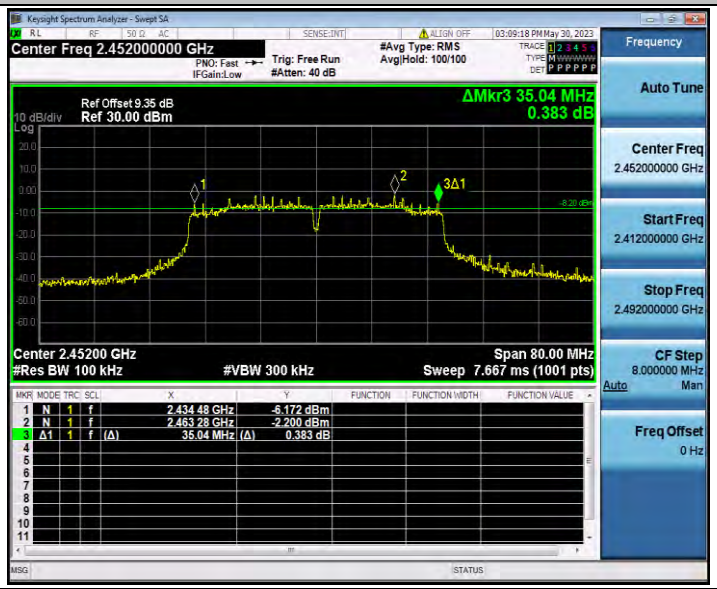
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422


11N40SISO_Ant2_2437


11N40SISO_Ant2_2452

Appendix C.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.606	2405.712	2418.318	---	---
		2437	12.868	2430.650	2443.518	---	---
		2462	12.811	2455.648	2468.459	---	---
11G	Ant2	2412	16.844	2403.628	2420.472	---	---
		2437	16.878	2428.613	2445.491	---	---
		2462	16.873	2453.561	2470.434	---	---
11N20SISO	Ant2	2412	17.898	2403.081	2420.979	---	---
		2437	18.002	2428.081	2446.083	---	---
		2462	17.995	2453.005	2471.000	---	---
11N40SISO	Ant2	2422	36.217	2403.993	2440.210	---	---
		2437	36.115	2419.069	2455.184	---	---
		2452	36.122	2433.992	2470.114	---	---

Test Graphs

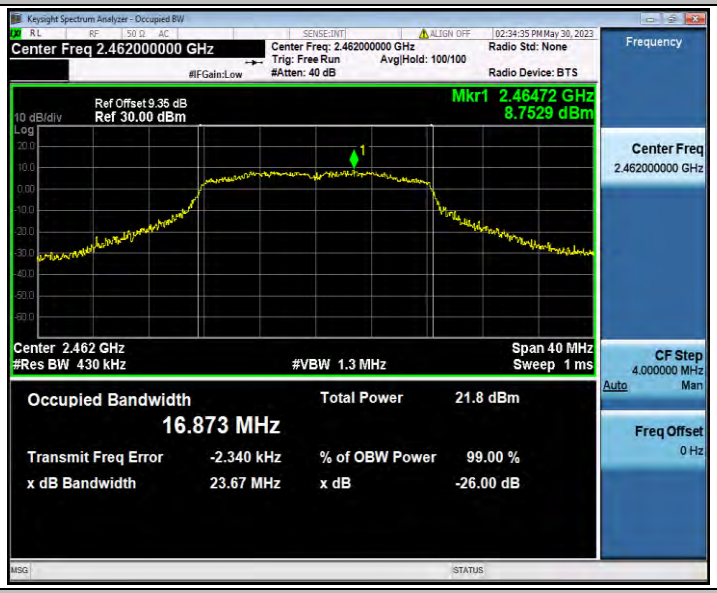
11B_Ant2_2412

11B_Ant2_2437

11B_Ant2_2462

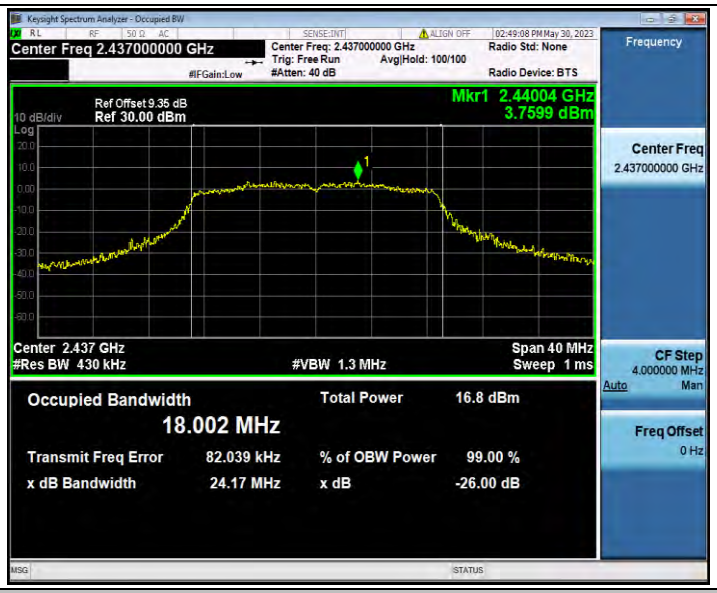
11G_Ant2_2412

11G_Ant2_2437



11G_Ant2_2462

11N20SISO_Ant2_2412



11N20SISO_Ant2_2437

11N20SISO_Ant2_2462

11N40SISO_Ant2_2422

11N40SISO_Ant2_2437

11N40SISO_Ant2_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	17.25	≤30.00	PASS
		2437	18.23	≤30.00	PASS
		2462	18.73	≤30.00	PASS
11G	Ant2	2412	21.27	≤30.00	PASS
		2437	17.98	≤30.00	PASS
		2462	22.80	≤30.00	PASS
11N20SISO	Ant2	2412	16.45	≤30.00	PASS
		2437	18.02	≤30.00	PASS
		2462	18.58	≤30.00	PASS
11N40SISO	Ant2	2422	17.18	≤30.00	PASS
		2437	17.88	≤30.00	PASS
		2452	18.28	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

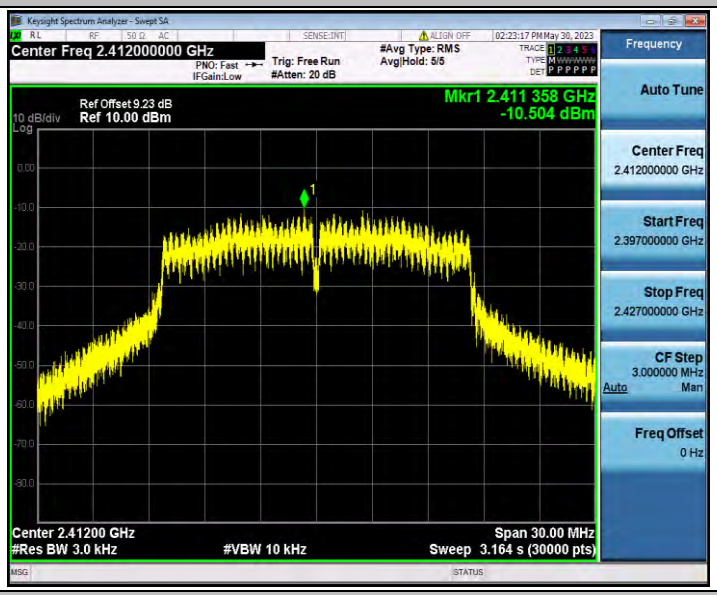
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-8.24	≤8.00	PASS
		2437	-6.98	≤8.00	PASS
		2462	-6.8	≤8.00	PASS
11G	Ant2	2412	-10.5	≤8.00	PASS
		2437	-13.48	≤8.00	PASS
		2462	-10.15	≤8.00	PASS
11N20SISO	Ant2	2412	-15.24	≤8.00	PASS
		2437	-12.8	≤8.00	PASS
		2462	-12.93	≤8.00	PASS
11N40SISO	Ant2	2422	-18.54	≤8.00	PASS
		2437	-16.73	≤8.00	PASS
		2452	-17.03	≤8.00	PASS

Test Graphs

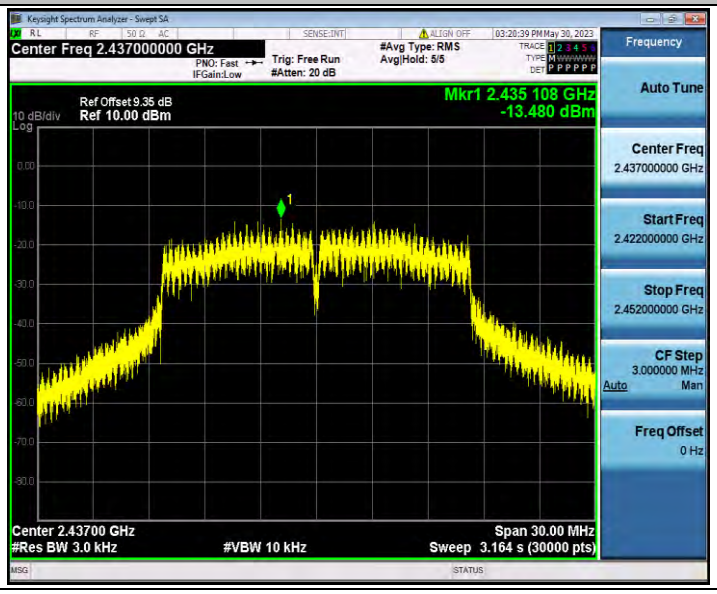
11B_Ant2_2412

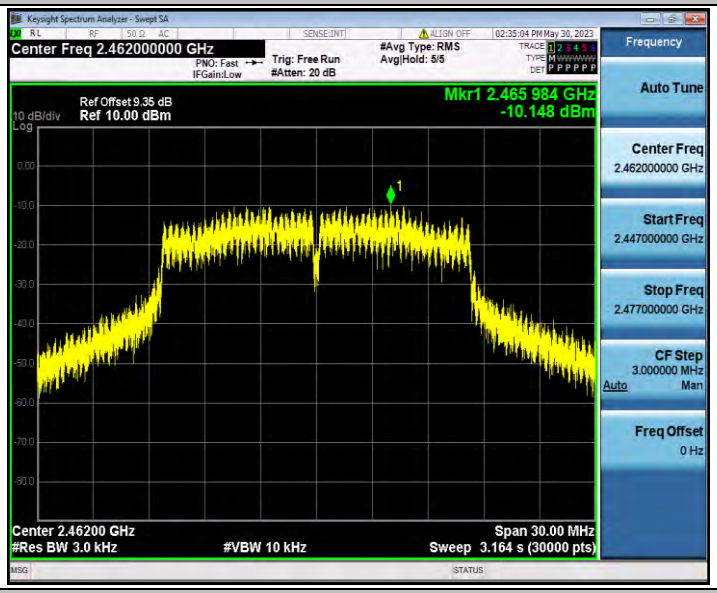
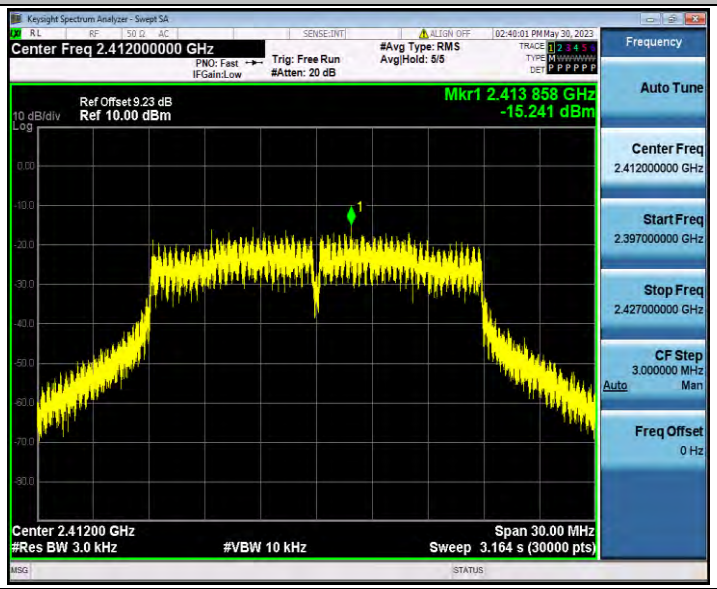
11B_Ant2_2437

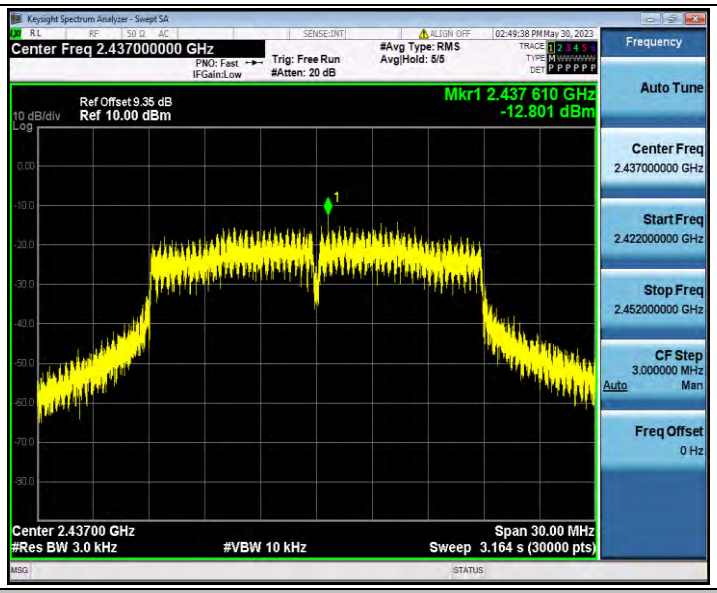
11B_Ant2_2462



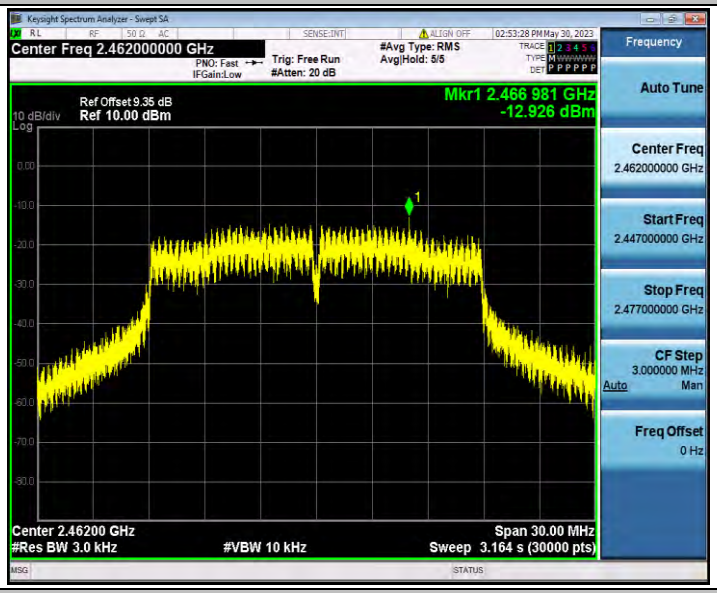
11G_Ant2_2412



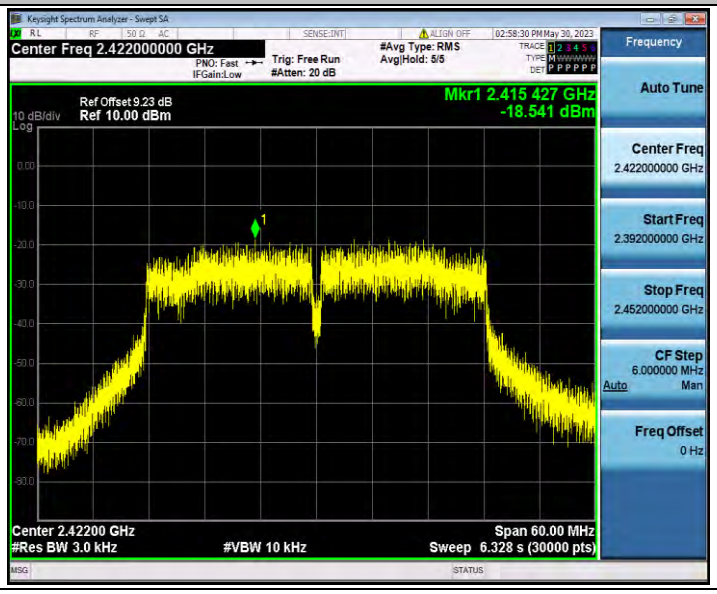
11G_Ant2_2437

11G_Ant2_2462

11N20SISO_Ant2_2412

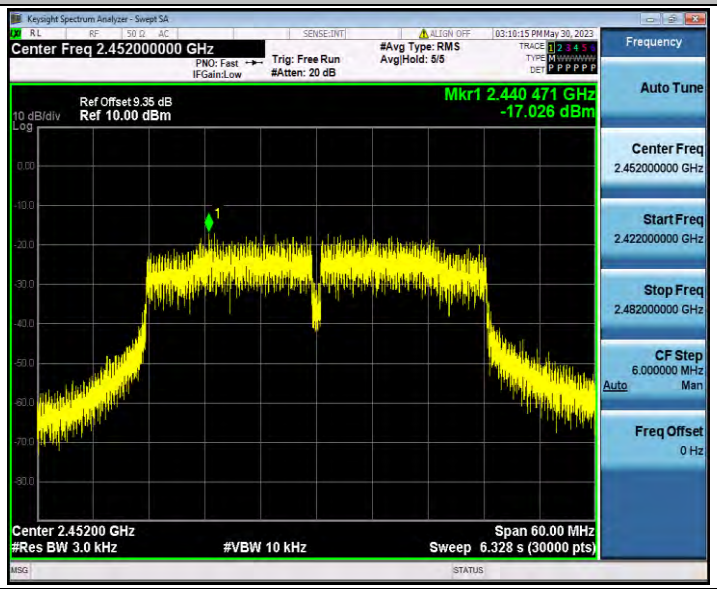


11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



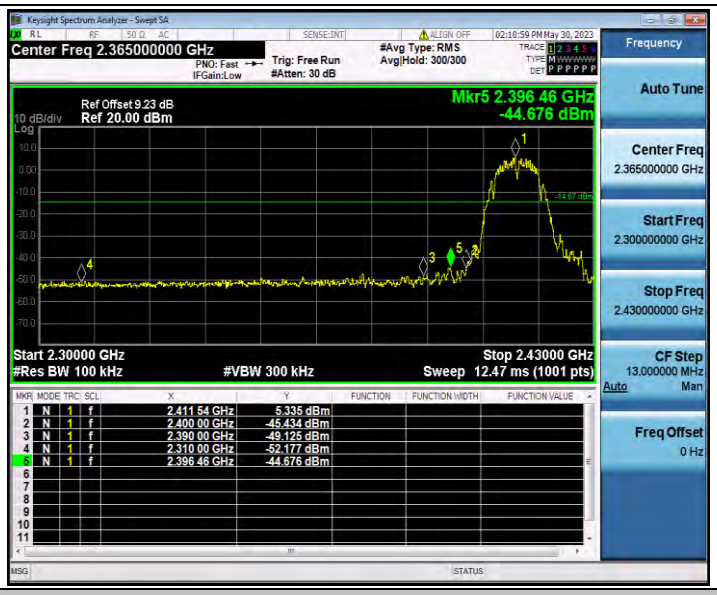
11N40SISO_Ant2_2422
11N40SISO_Ant2_2437

11N40SISO_Ant2_2452

Appendix C.5: Band edge measurements

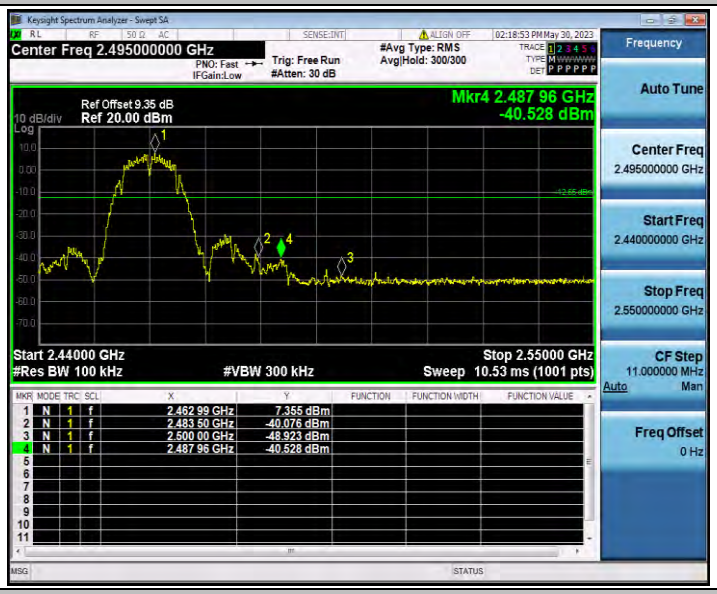
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	5.34	-44.68	≤-14.67	PASS
		High	2462	7.36	-40.53	≤-12.65	PASS
11G	Ant2	Low	2412	3.66	-26.91	≤-16.34	PASS
		High	2462	5.76	-35.73	≤-14.24	PASS
11N20SISO	Ant2	Low	2412	-0.78	-30.88	≤-20.78	PASS
		High	2462	0.73	-41.32	≤-19.27	PASS
11N40SISO	Ant2	Low	2422	-3.22	-36.23	≤-23.22	PASS
		High	2452	-1.98	-32.8	≤-21.98	PASS

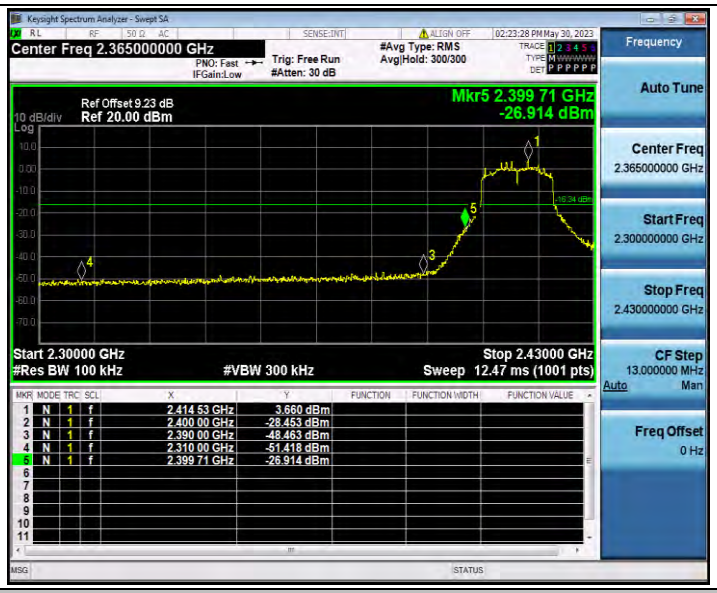
Test Graphs



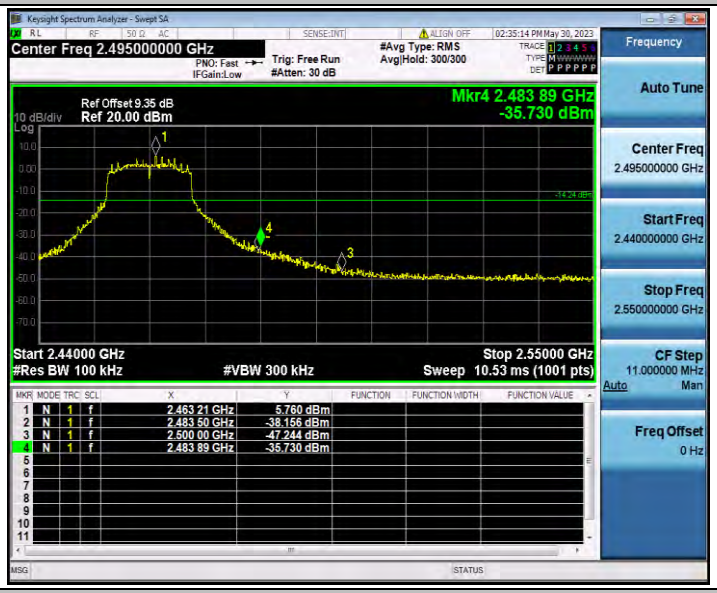
11B_Ant2_Low_2412



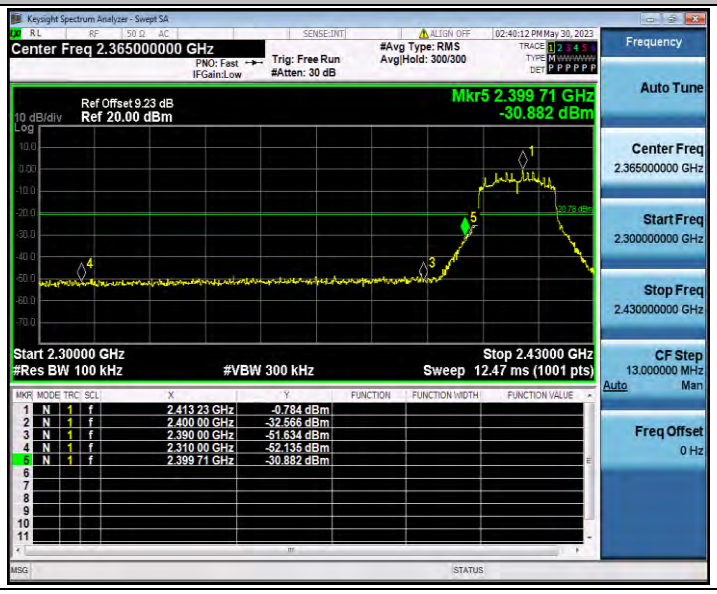
11B_Ant2_High_2462



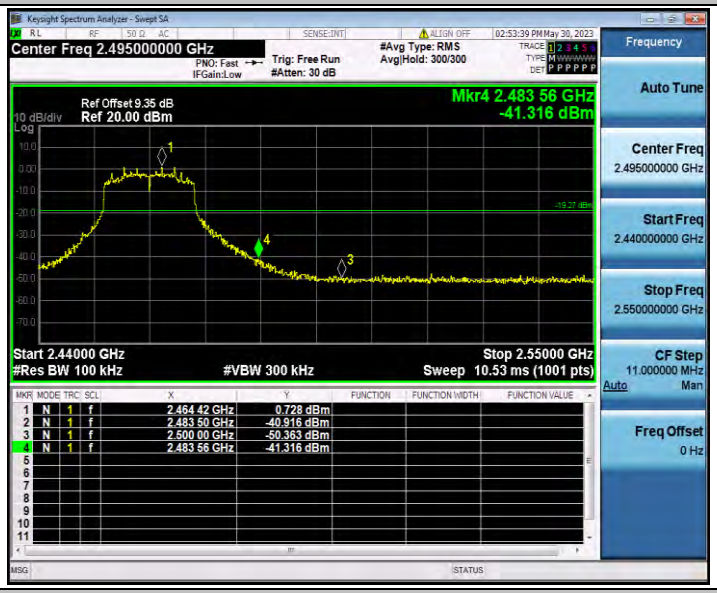
11G_Ant2_Low_2412



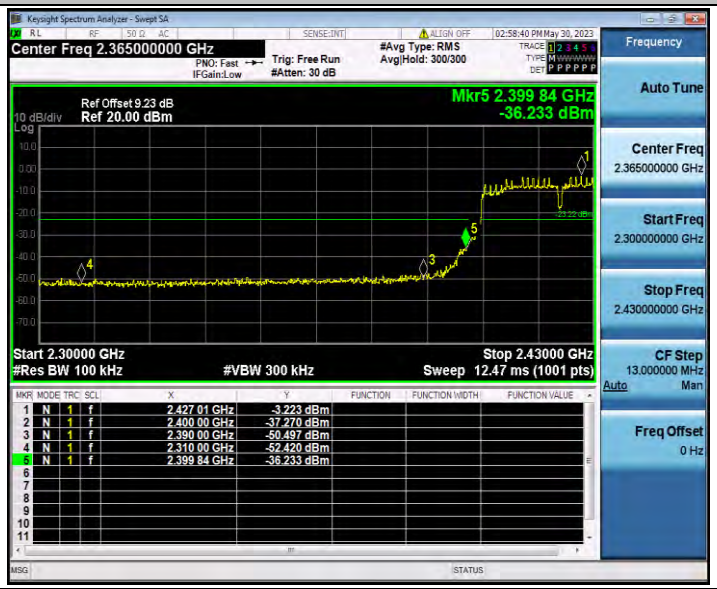
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422

11N40SISO_Ant2_High_2452

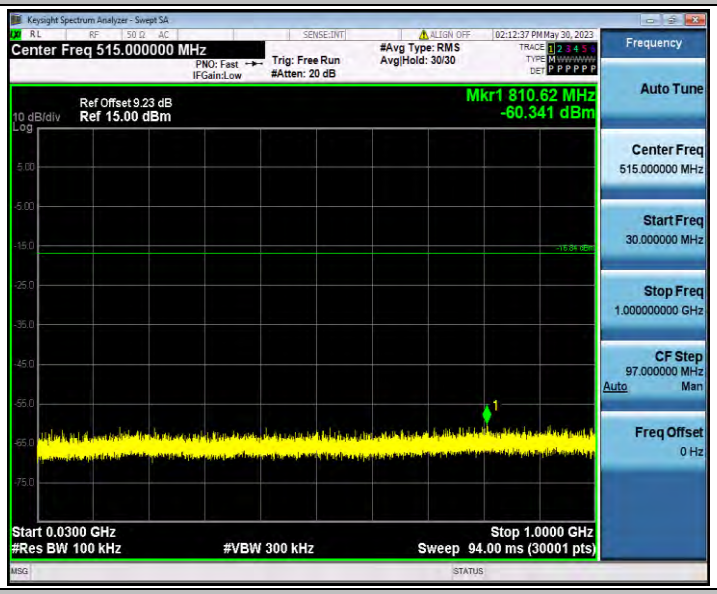
Appendix C.6: Conducted Spurious Emission

Test Result

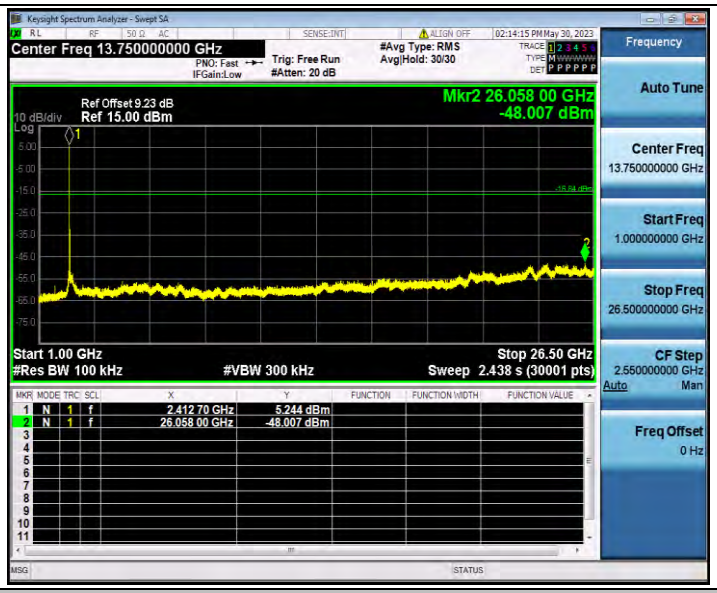
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	3.16	3.16	---	PASS
			30~1000	3.16	-60.34	≤-16.84	PASS
			1000~26500	3.16	-48.01	≤-16.84	PASS
		2437	Reference	4.31	4.31	---	PASS
			30~1000	4.31	-59.34	≤-15.69	PASS
			1000~26500	4.31	-48.31	≤-15.69	PASS
		2462	Reference	3.05	3.05	---	PASS
			30~1000	3.05	-60.41	≤-16.95	PASS
			1000~26500	3.05	-47.46	≤-16.95	PASS
11G	Ant2	2412	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-60.77	≤-19.67	PASS
			1000~26500	0.33	-47.35	≤-19.67	PASS
		2437	Reference	3.16	3.16	---	PASS
			30~1000	3.16	-60.62	≤-16.84	PASS
			1000~26500	3.16	-47.63	≤-16.84	PASS
		2462	Reference	1.57	1.57	---	PASS
			30~1000	1.57	-59.86	≤-18.43	PASS
			1000~26500	1.57	-47.43	≤-18.43	PASS
11N20SISO	Ant2	2412	Reference	-2.14	-2.14	---	PASS
			30~1000	-2.14	-59.96	≤-22.14	PASS
			1000~26500	-2.14	-47.54	≤-22.14	PASS
		2437	Reference	-3.21	-3.21	---	PASS
			30~1000	-3.21	-60.15	≤-23.21	PASS
			1000~26500	-3.21	-46.71	≤-23.21	PASS
		2462	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-60.58	≤-22.66	PASS
			1000~26500	-2.66	-47.66	≤-22.66	PASS
11N40SISO	Ant2	2422	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-60.32	≤-24.51	PASS
			1000~26500	-4.51	-46.49	≤-24.51	PASS
		2437	Reference	-3.88	-3.88	---	PASS
			30~1000	-3.88	-59.7	≤-23.88	PASS
			1000~26500	-3.88	-47.65	≤-23.88	PASS
		2452	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-60.5	≤-24.19	PASS
			1000~26500	-4.19	-47.37	≤-24.19	PASS

Test Graphs

11B_Ant2_2412_0~Reference

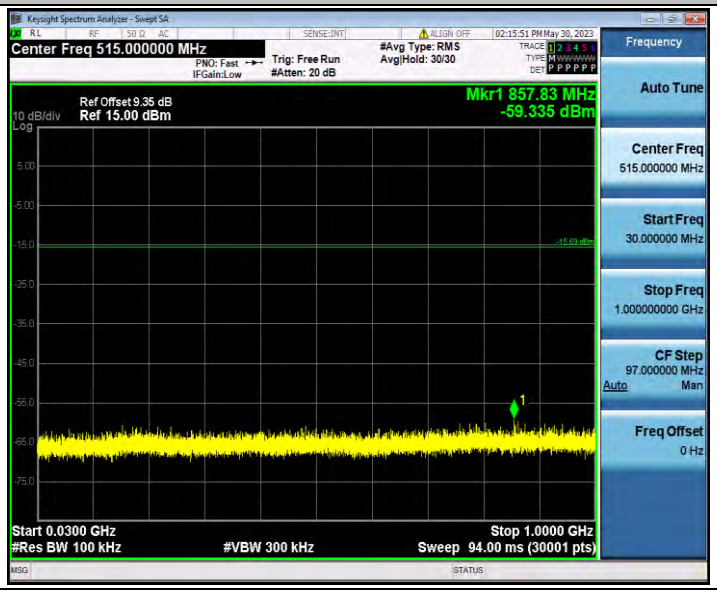


11B_Ant2_2412_30~1000

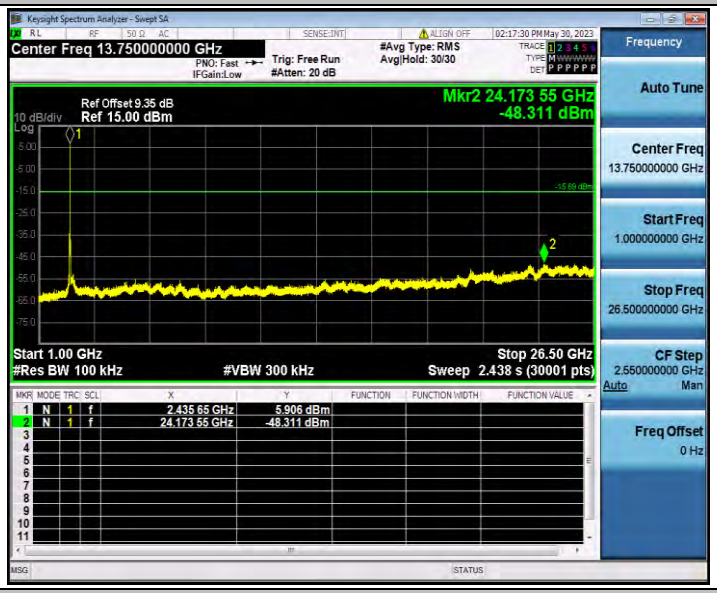


11B_Ant2_2412_1000~26500

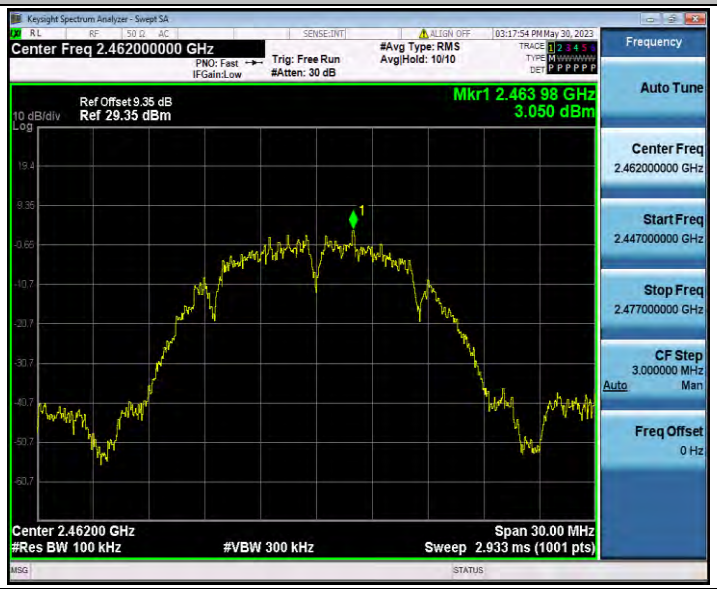
11B_Ant2_2437_0~Reference



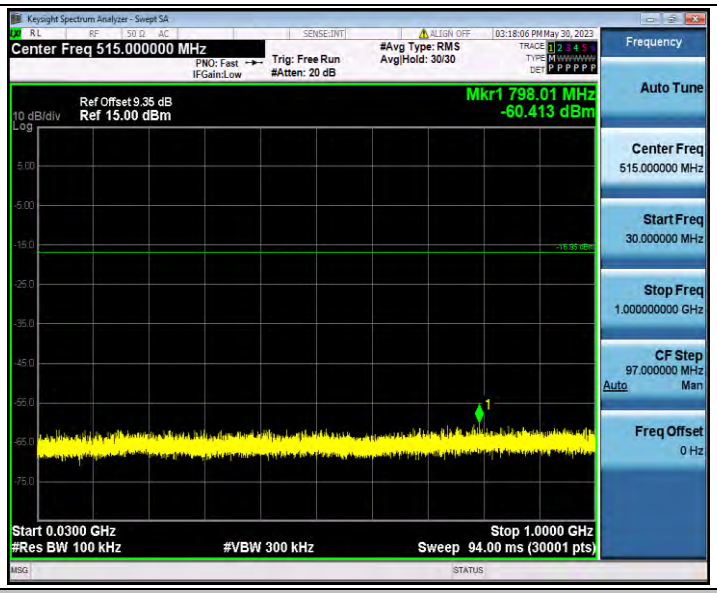
11B_Ant2_2437_30~1000



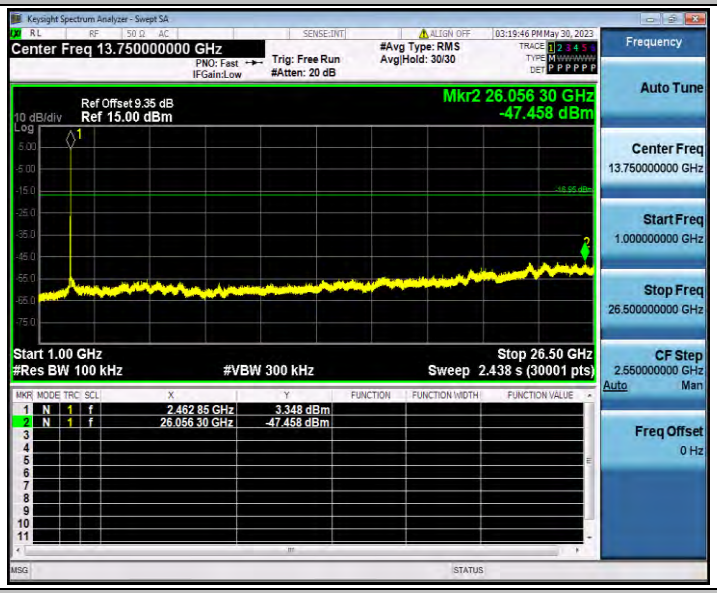
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference

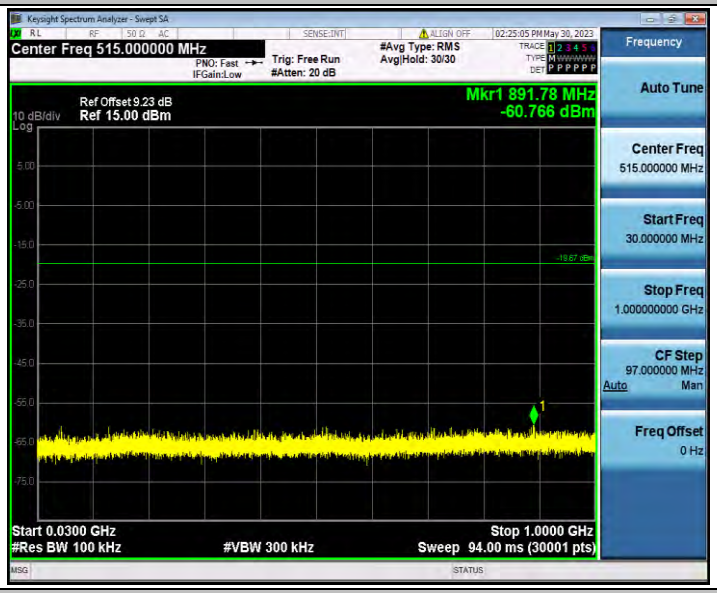


11B_Ant2_2462_30~1000

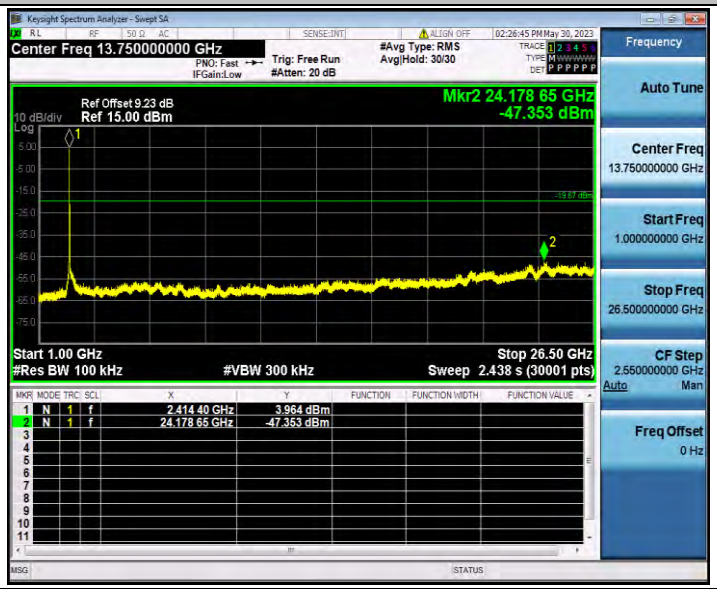


11B_Ant2_2462_1000~26500

11G_Ant2_2412_0~Reference

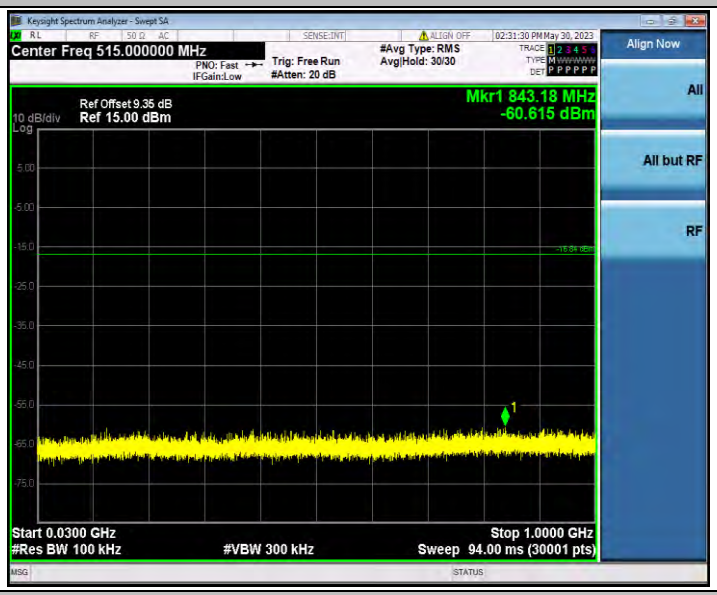


11G_Ant2_2412_30~1000



11G_Ant2_2412_1000~26500

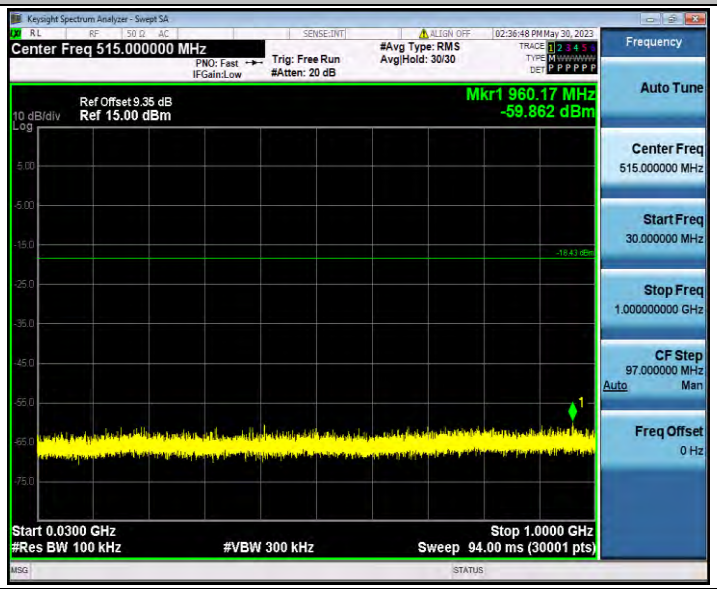
11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000

11G_Ant2_2437_1000~26500

11G_Ant2_2462_0~Reference



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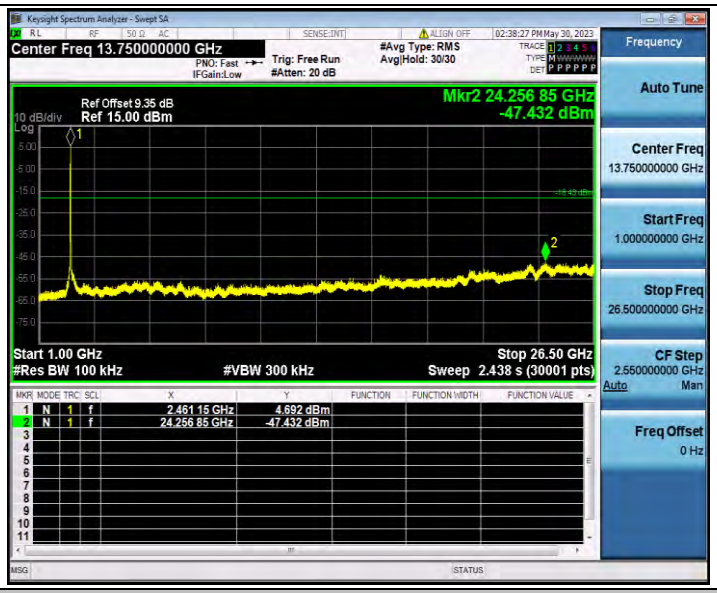

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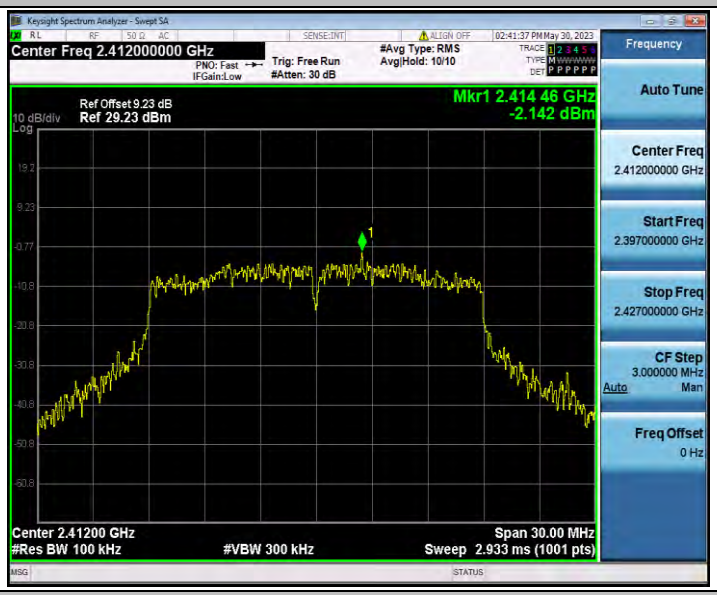
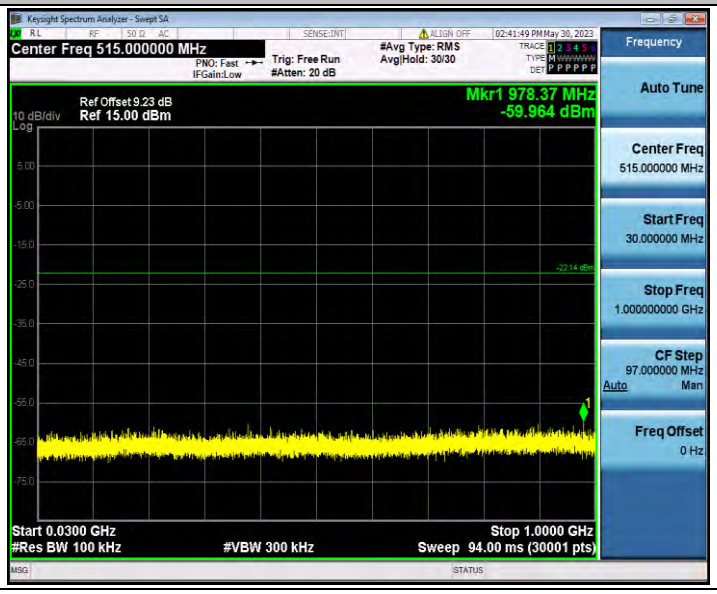


11N20SISO_Ant2_2412_0~Reference



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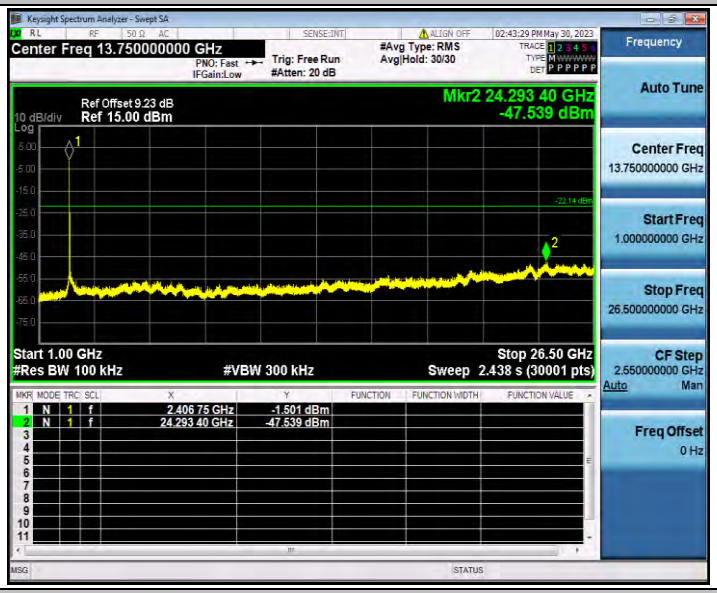

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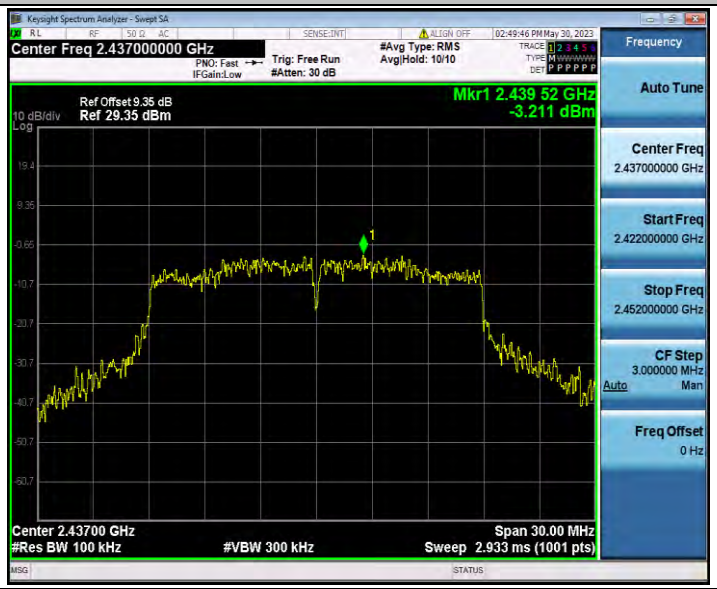

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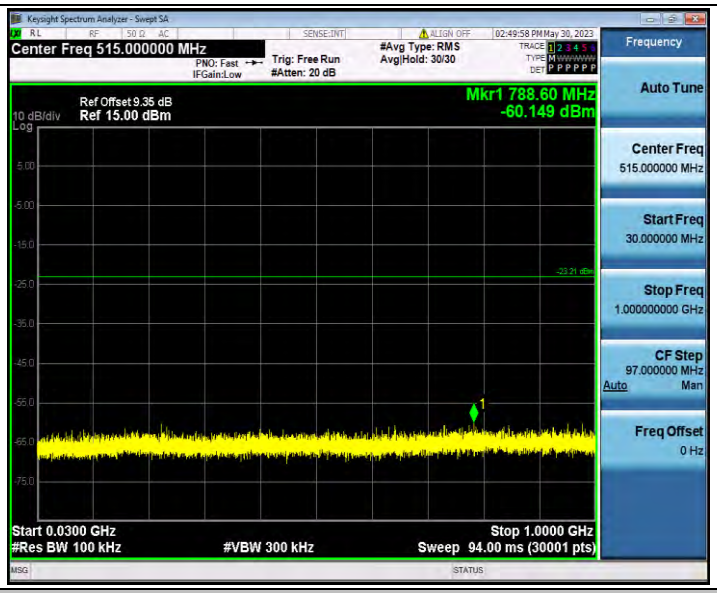
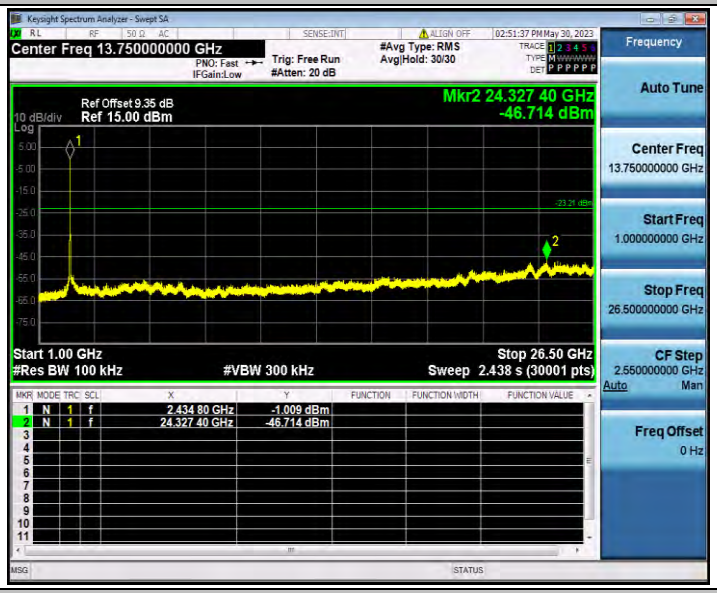


11N20SISO_Ant2_2437_30~1000



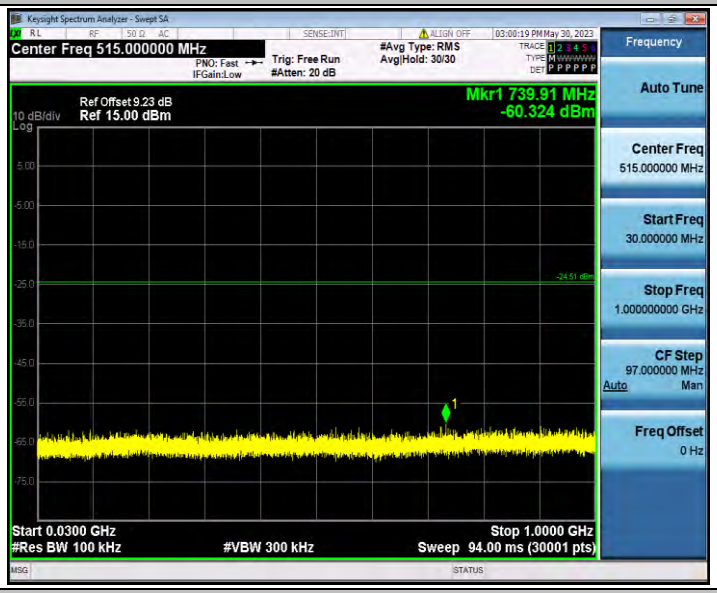
11N20SISO_Ant2_2437_1000~26500

11N20SISO_Ant2_2462_0~Reference

11N20SISO_Ant2_2462_30~1000

11N20SISO_Ant2_2462_1000~26500

11N40SISO_Ant2_2422_0~Reference



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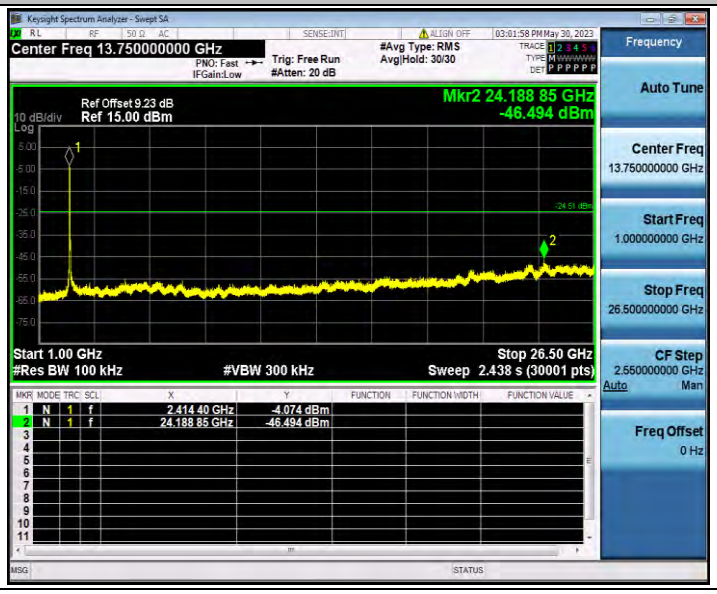
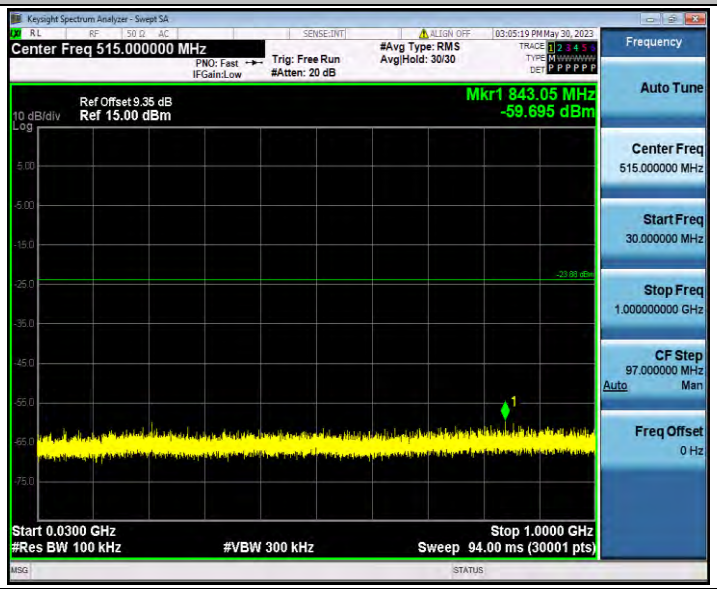


11N40SISO_Ant2_2422_1000~26500

11N40SISO_Ant2_2437_0~Reference



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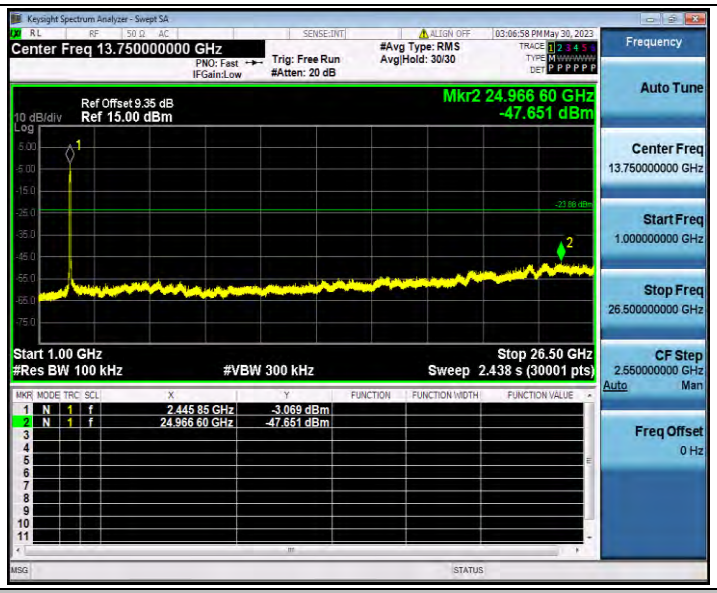
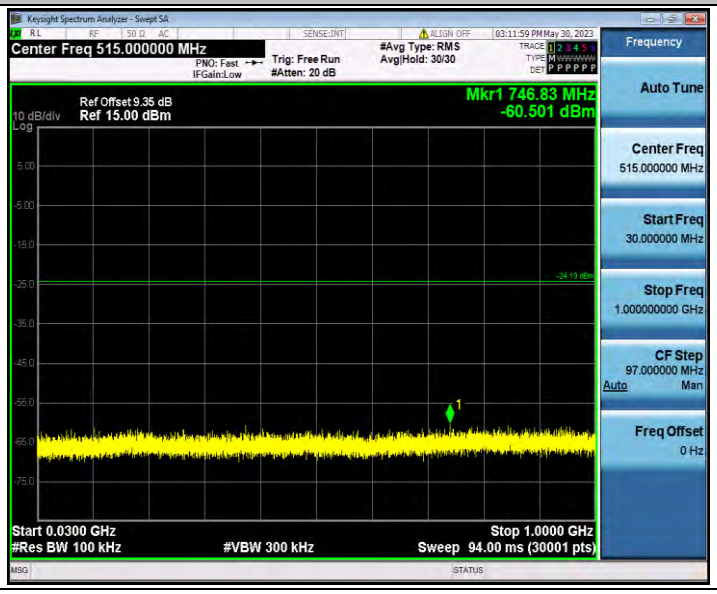
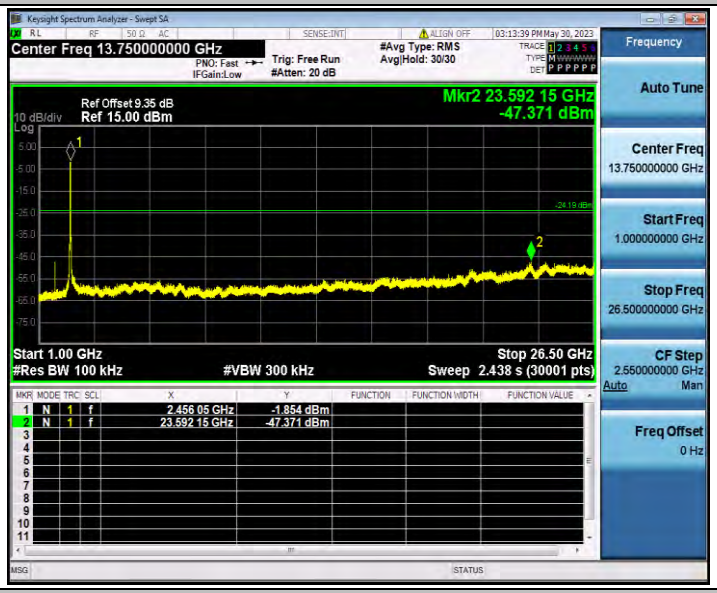


11N40SISO_Ant2_2437_1000~26500

11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



11N40SISO_Ant2_2452_1000~26500