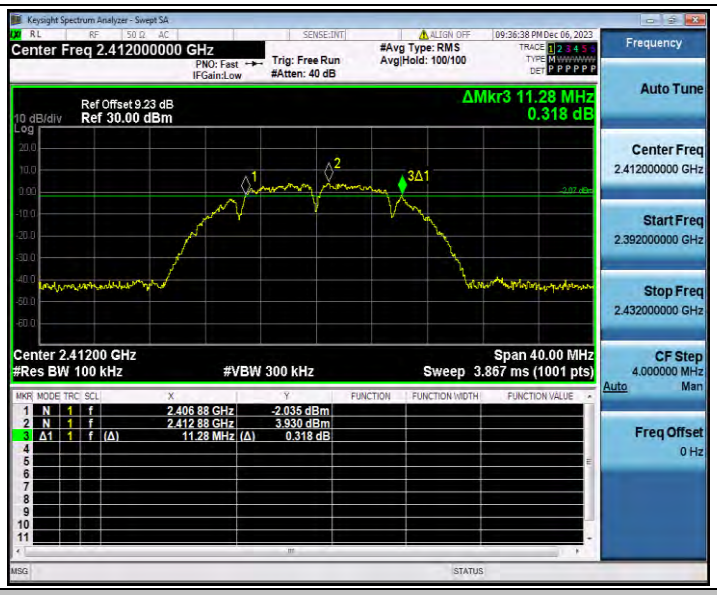
Case No. : GTS20231012003-1-4	
Ambient Condition: 24 ℃, 49 %RH, Atmos100.1Kpa,	
Test Date: 2023.12.6	**Test Engineer:** Evan ouyang

Appendix C.1: DTS Bandwidth

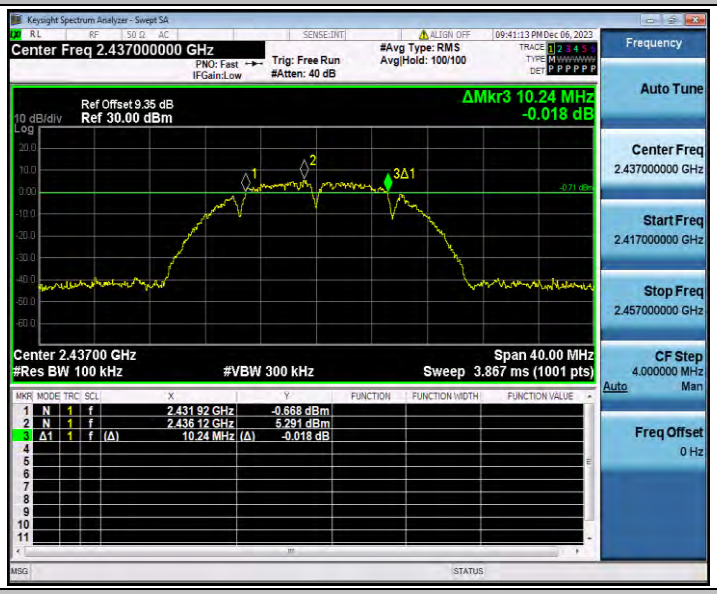
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant4	2412	11.280	2406.880	2418.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.040	2456.920	2466.960	0.5	PASS
11G	Ant4	2412	16.280	2403.840	2420.120	0.5	PASS
		2437	16.280	2428.840	2445.120	0.5	PASS
		2462	16.320	2453.800	2470.120	0.5	PASS
11N20SISO	Ant4	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.640	2428.200	2445.840	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant4	2422	36.080	2403.760	2439.840	0.5	PASS
		2437	36.160	2418.760	2454.920	0.5	PASS
		2452	36.160	2433.760	2469.920	0.5	PASS

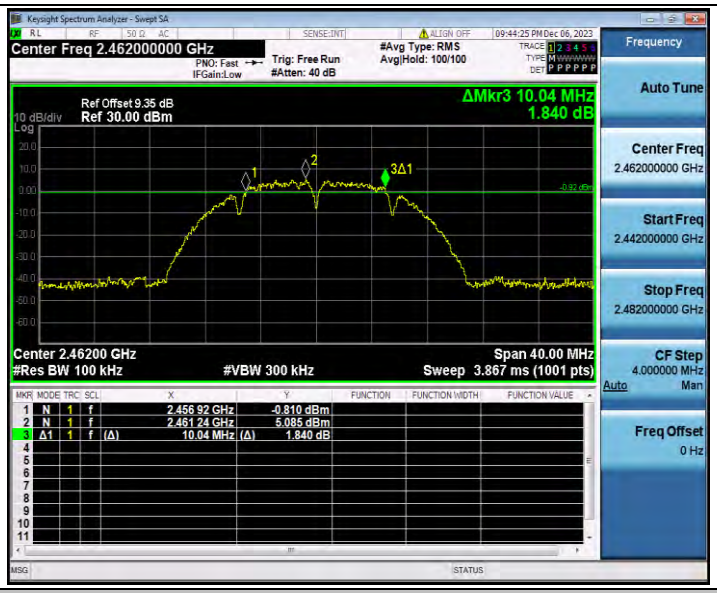
Test Graphs



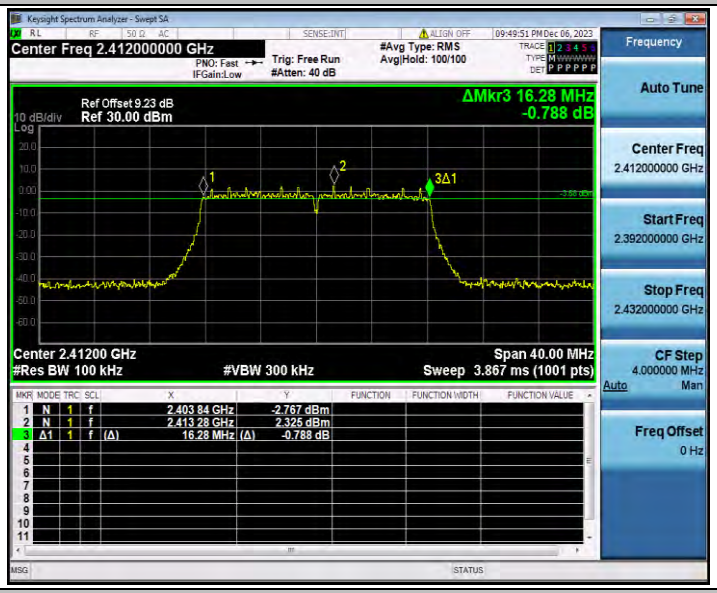
11B_Ant4_2412



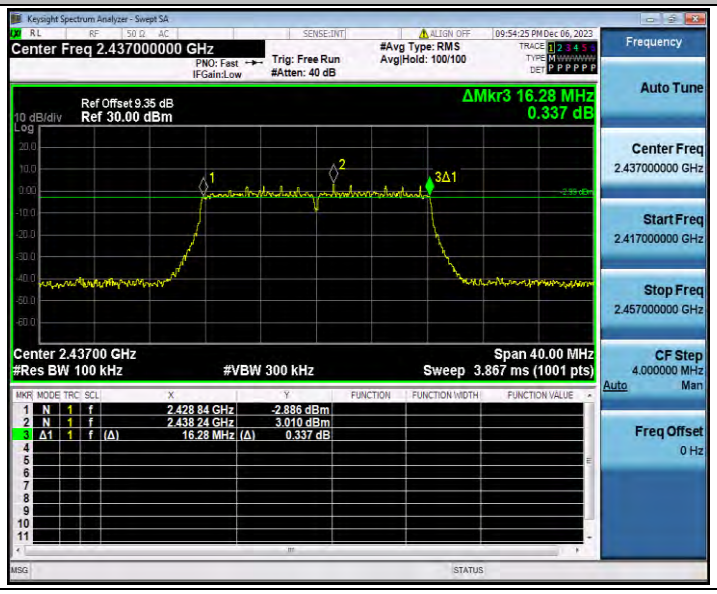
11B_Ant4_2437

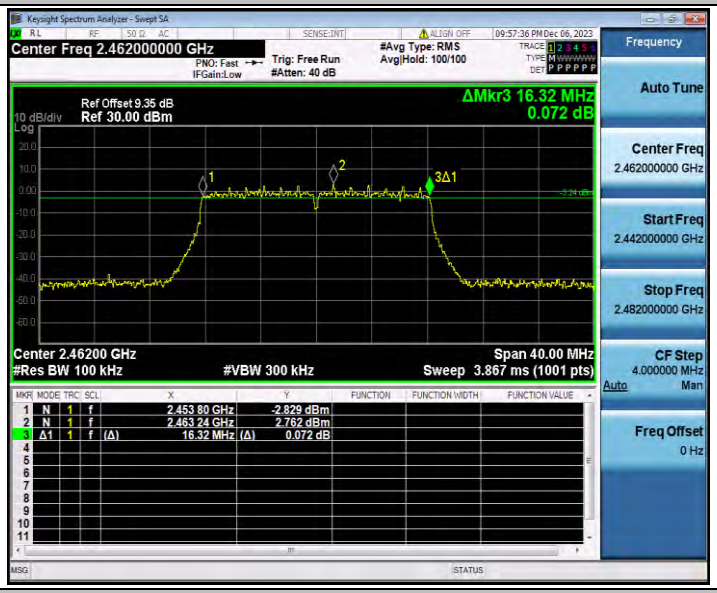


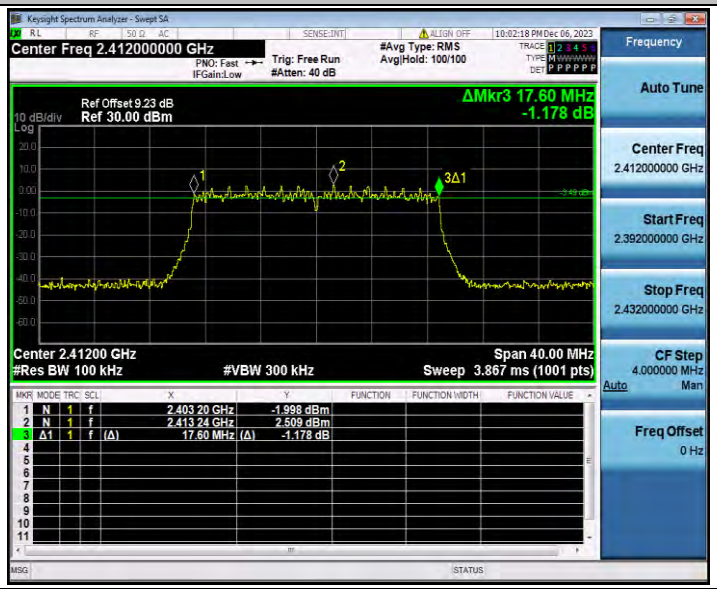
11B_Ant4_2462



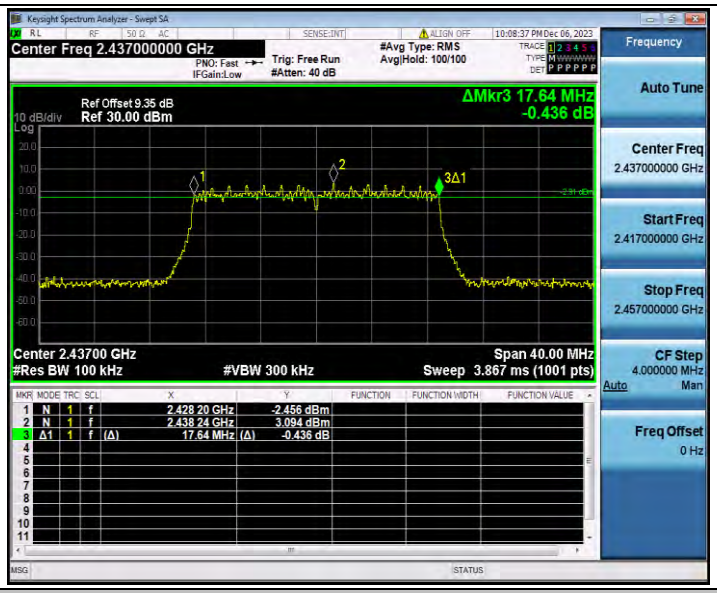
11G_Ant4_2412



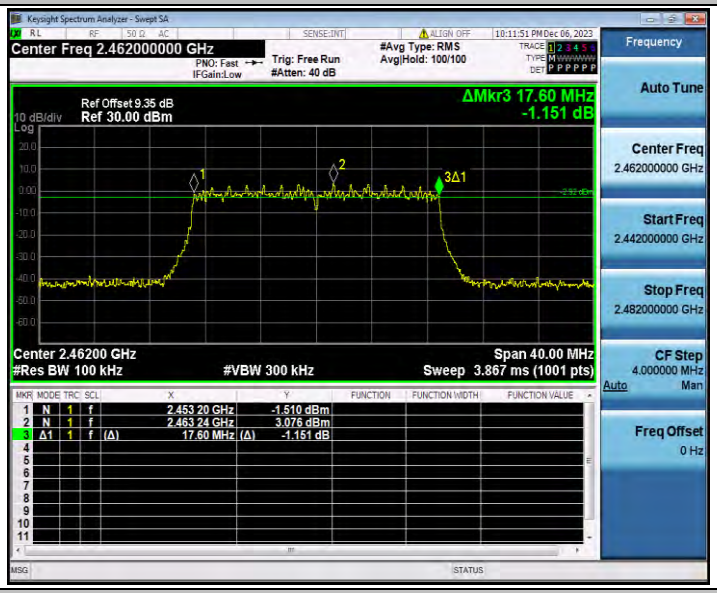
11G_Ant4_2437


11G_Ant4_2462


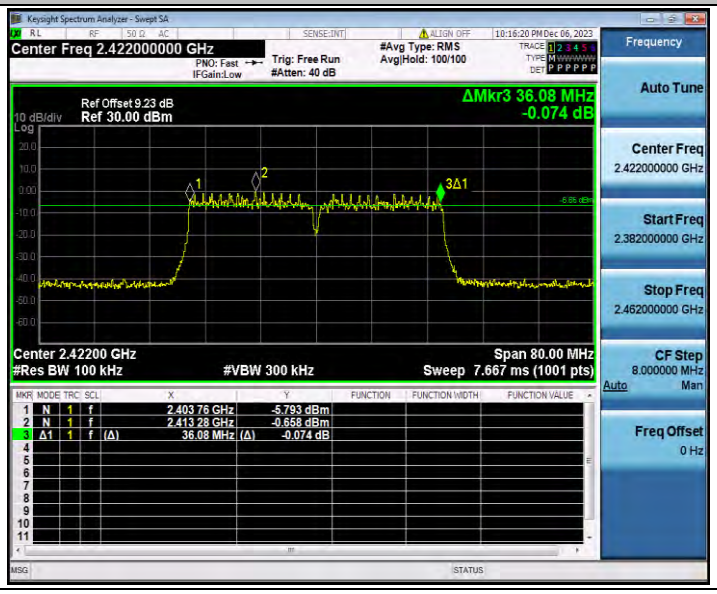
11N20SISO_Ant4_2412

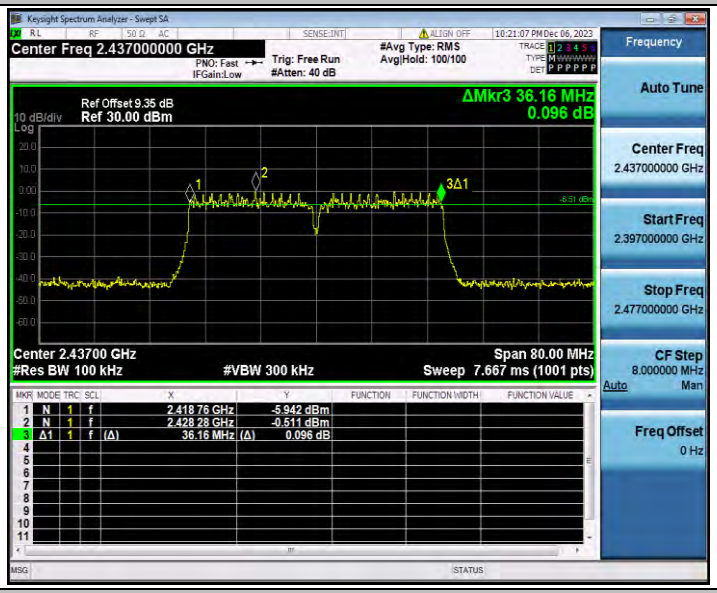


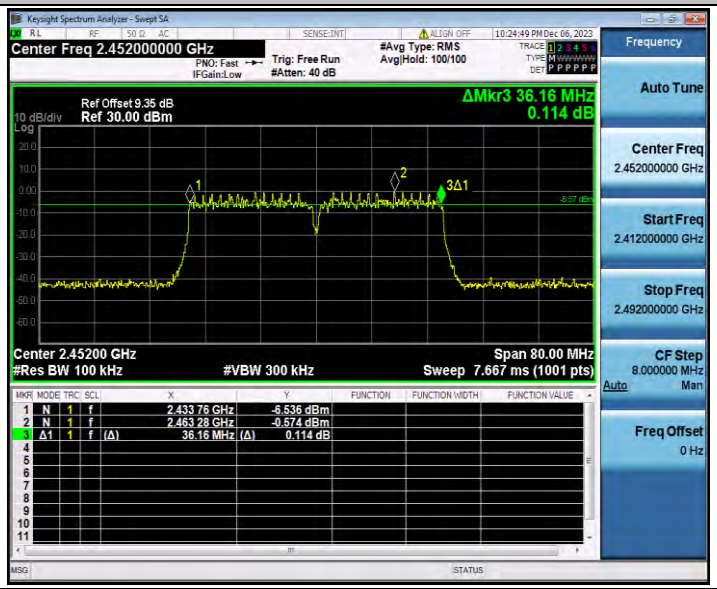
11N20SISO_Ant4_2437



11N20SISO_Ant4_2462



11N40SISO_Ant4_2422


11N40SISO_Ant4_2437


11N40SISO_Ant4_2452

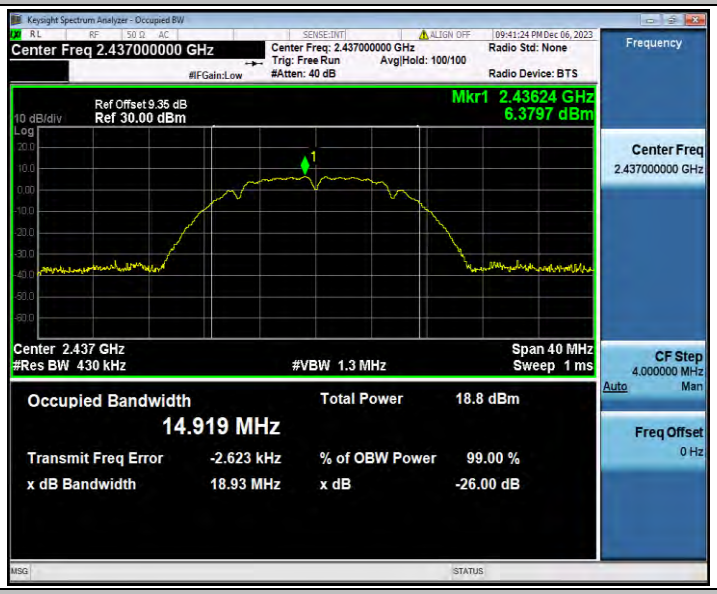
Appendix C.2: Occupied Channel Bandwidth

Test Result

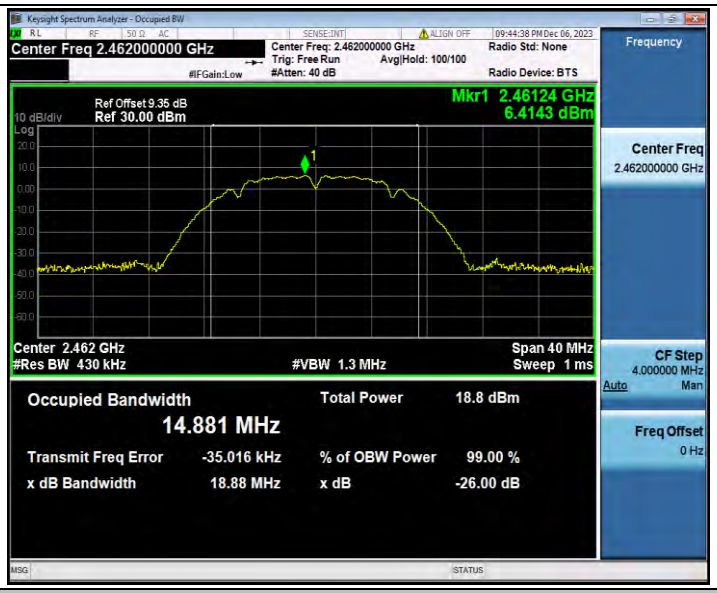
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant4	2412	14.902	2404.606	2419.508	---	---
		2437	14.919	2429.538	2444.457	---	---
		2462	14.881	2454.524	2469.405	---	---
11G	Ant4	2412	16.485	2403.732	2420.217	---	---
		2437	16.529	2428.743	2445.272	---	---
		2462	16.473	2453.747	2470.220	---	---
11N20SISO	Ant4	2412	17.655	2403.160	2420.815	---	---
		2437	17.661	2428.173	2445.834	---	---
		2462	17.653	2453.167	2470.820	---	---
11N40SISO	Ant4	2422	36.378	2403.741	2440.119	---	---
		2437	36.418	2418.768	2455.186	---	---
		2452	36.314	2433.811	2470.125	---	---

Test Graphs

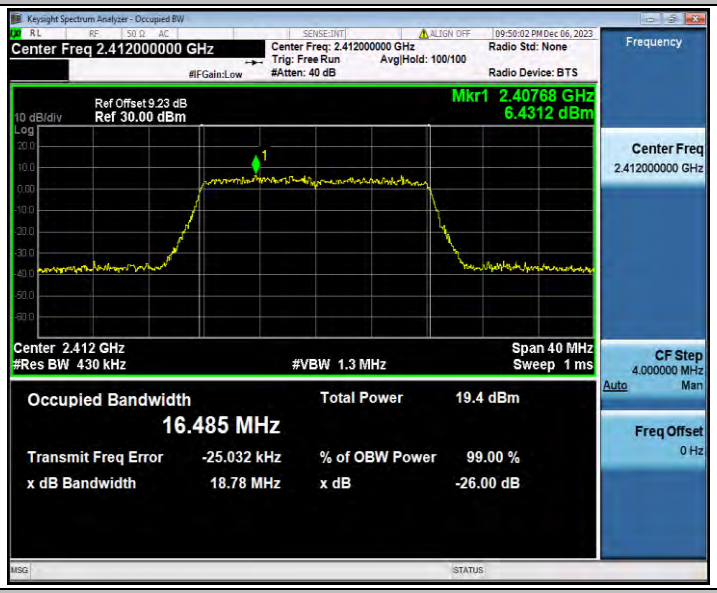
11B_Ant4_2412



11B_Ant4_2437

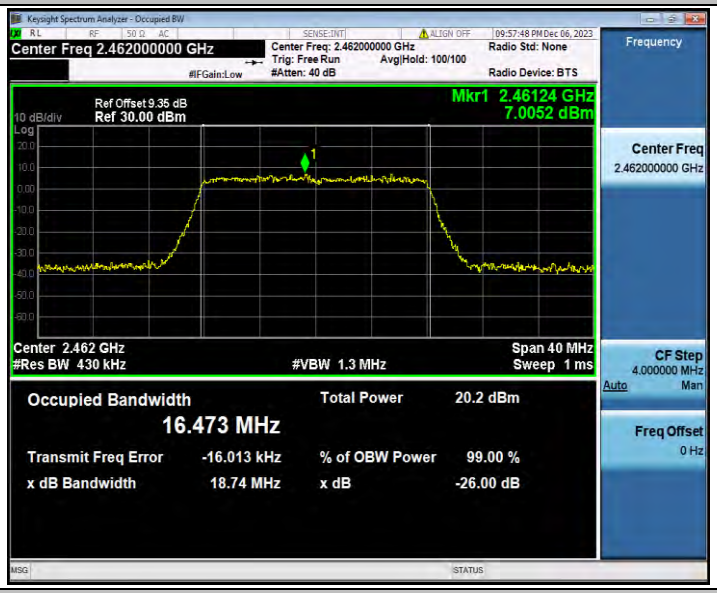


11B_Ant4_2462

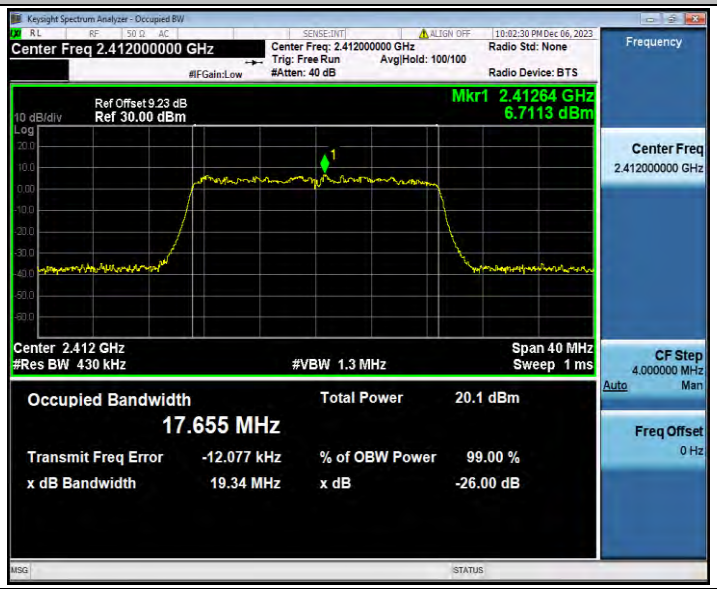


11G_Ant4_2412

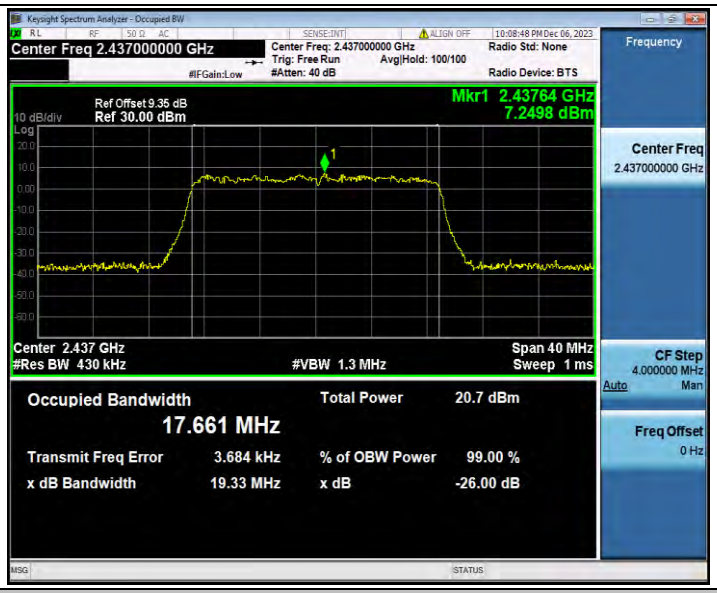
11G_Ant4_2437



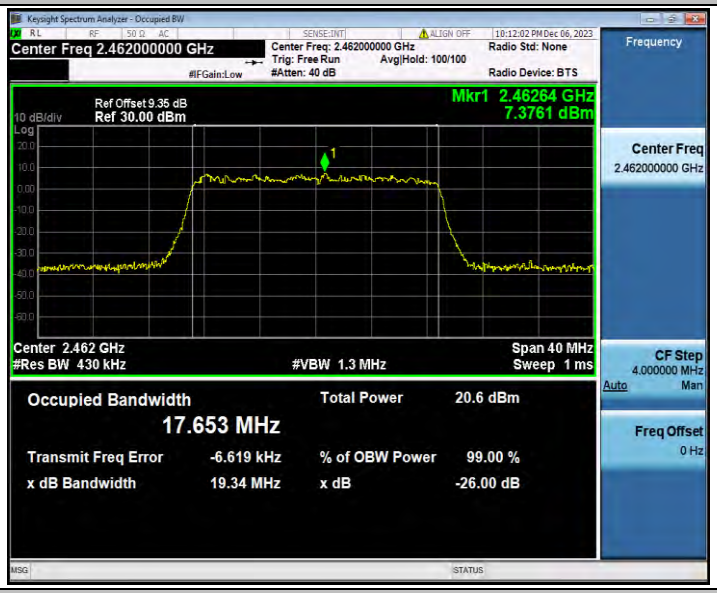
11G_Ant4_2462



11N20SISO_Ant4_2412

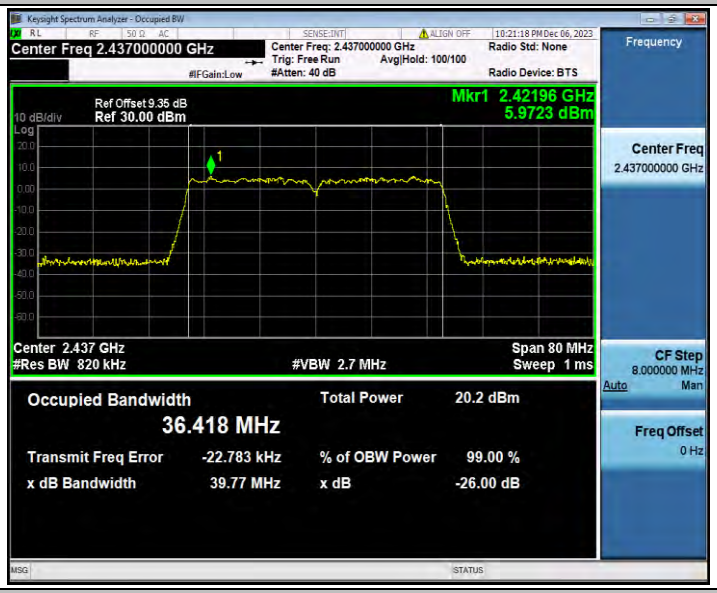


11N20SISO_Ant4_2437

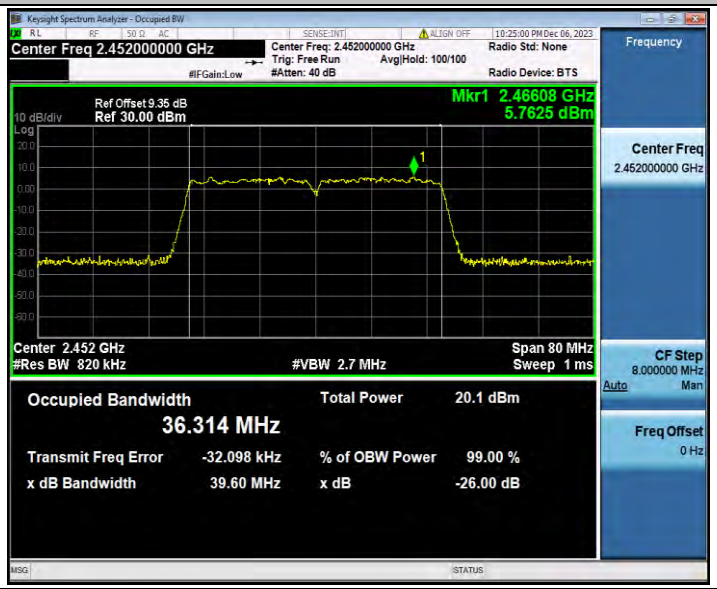


11N20SISO_Ant4_2462

11N40SISO_Ant4_2422



11N40SISO_Ant4_2437



11N40SISO_Ant4_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant4	2412	17.56	≤30.00	PASS
		2437	18.45	≤30.00	PASS
		2462	18.48	≤30.00	PASS
11G	Ant4	2412	18.32	≤30.00	PASS
		2437	18.85	≤30.00	PASS
		2462	18.09	≤30.00	PASS
11N20SISO	Ant4	2412	18.89	≤30.00	PASS
		2437	18.45	≤30.00	PASS
		2462	18.50	≤30.00	PASS
11N40SISO	Ant4	2422	18.92	≤30.00	PASS
		2437	18.34	≤30.00	PASS
		2452	18.19	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

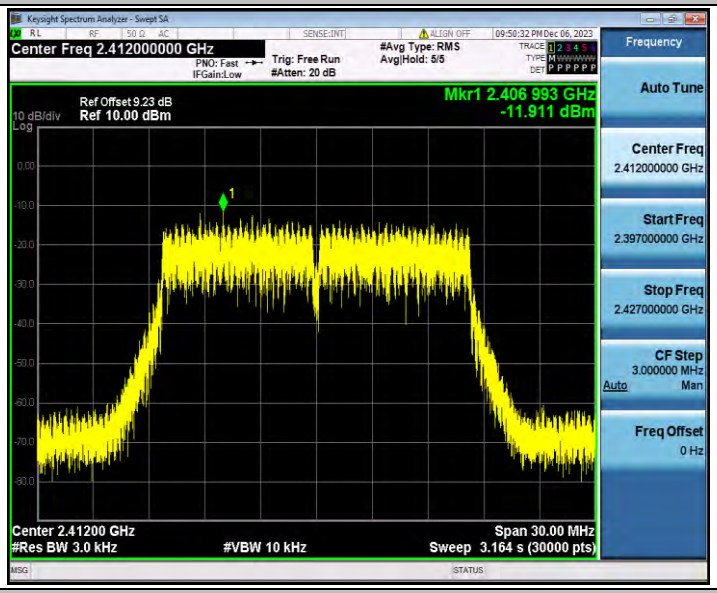
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant4	2412	-9.91	≤8.00	PASS
		2437	-7.89	≤8.00	PASS
		2462	-8.11	≤8.00	PASS
11G	Ant4	2412	-11.91	≤8.00	PASS
		2437	-12	≤8.00	PASS
		2462	-11.27	≤8.00	PASS
11N20SISO	Ant4	2412	-9.73	≤8.00	PASS
		2437	-9.26	≤8.00	PASS
		2462	-8.97	≤8.00	PASS
11N40SISO	Ant4	2422	-11.82	≤8.00	PASS
		2437	-10.55	≤8.00	PASS
		2452	-11.34	≤8.00	PASS

Test Graphs

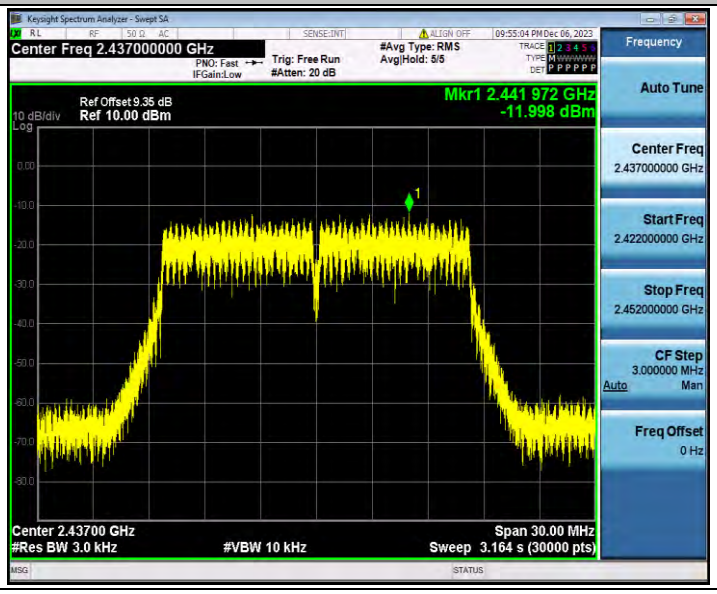
11B_Ant4_2412

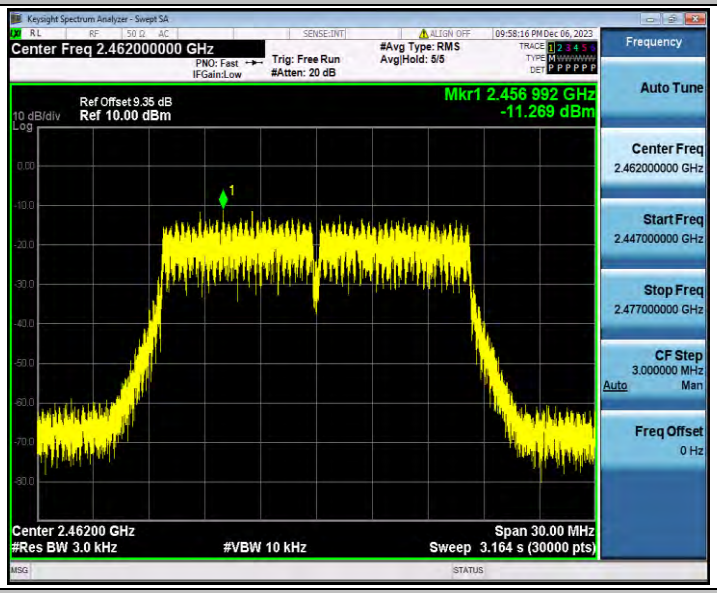
11B_Ant4_2437

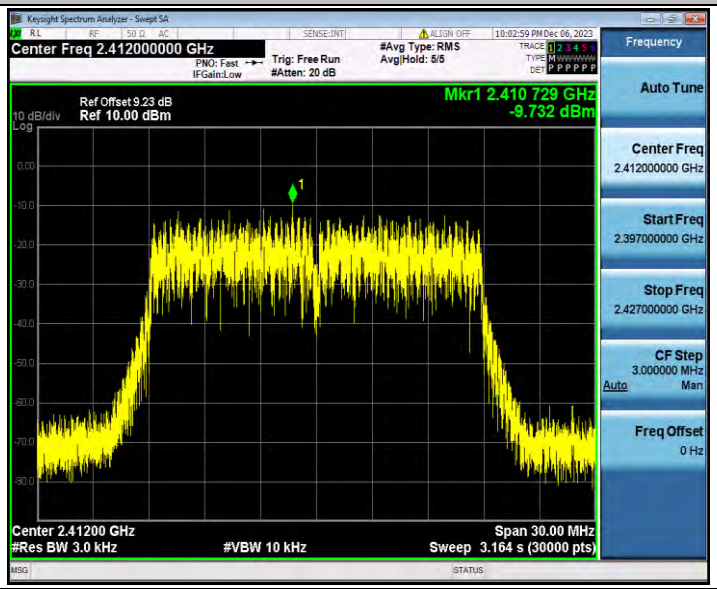
11B_Ant4_2462



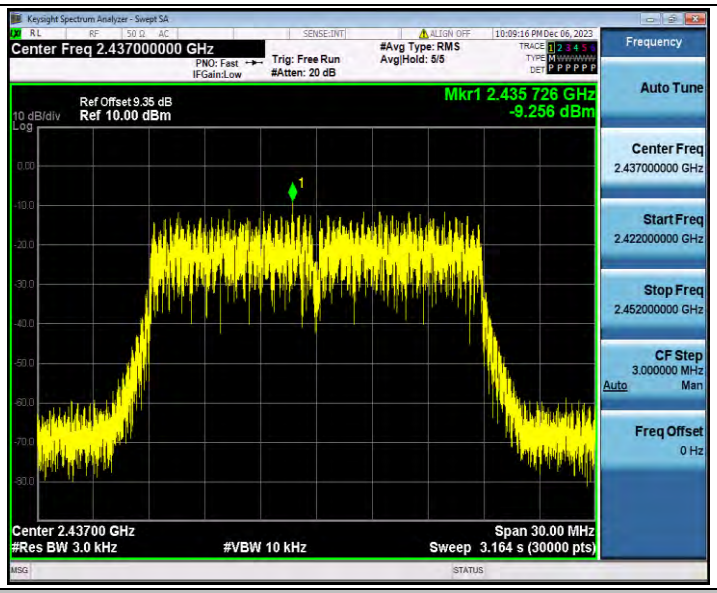
11G_Ant4_2412



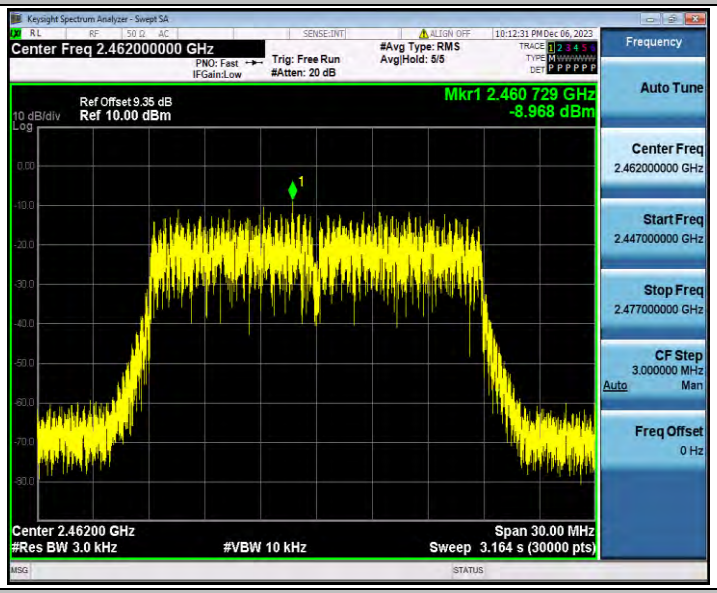
11G_Ant4_2437


11G_Ant4_2462


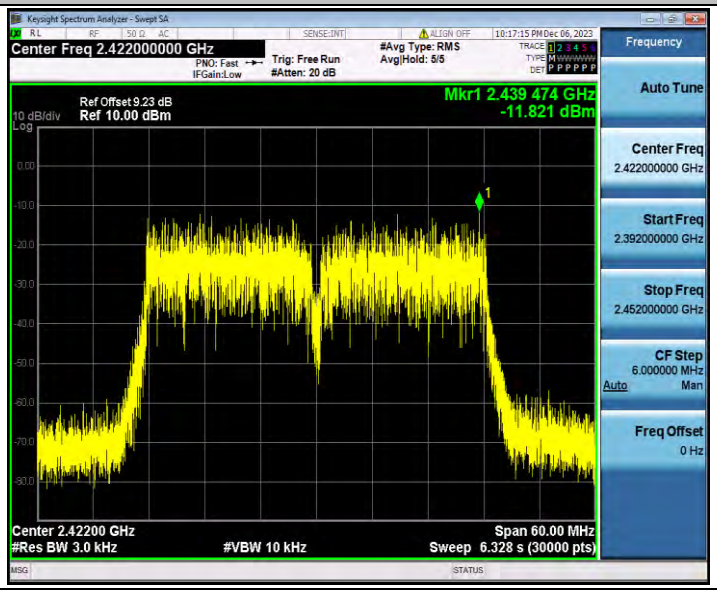
11N20SISO_Ant4_2412



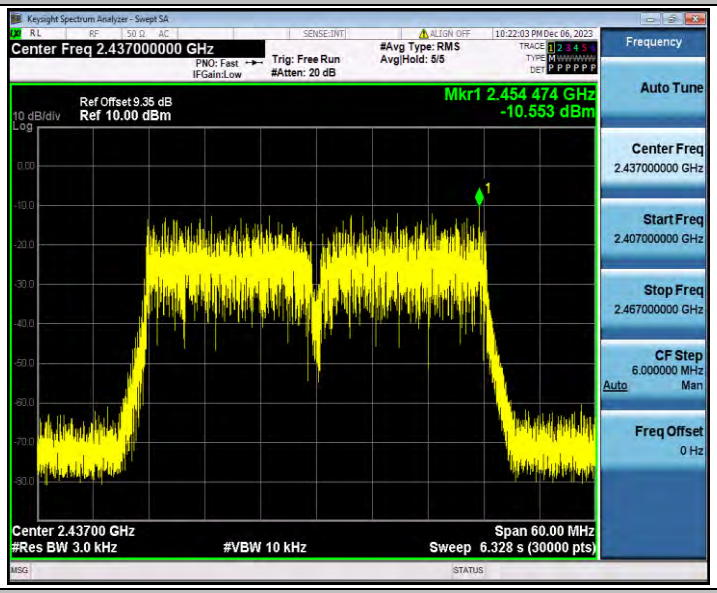
11N20SISO_Ant4_2437



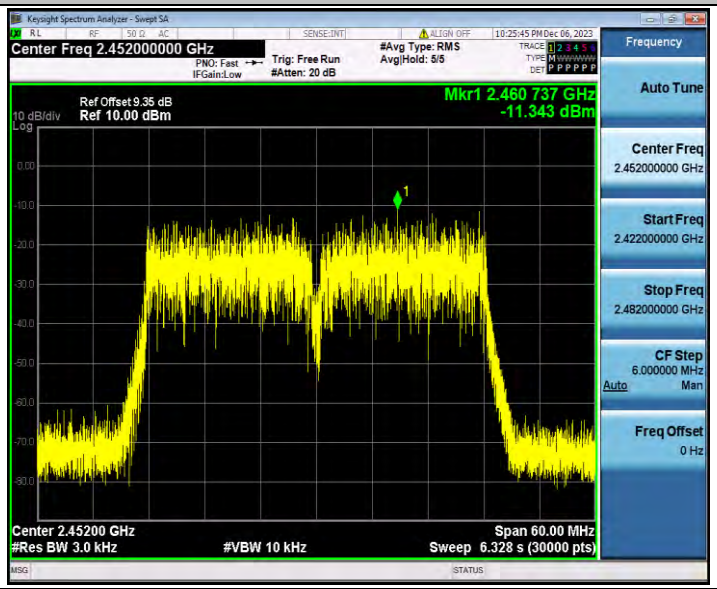
11N20SISO_Ant4_2462



11N40SISO_Ant4_2422



11N40SISO_Ant4_2437



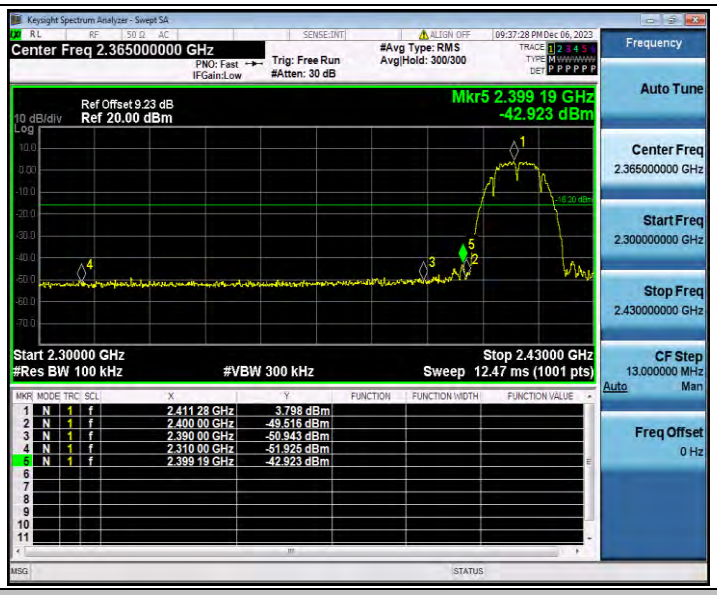
11N40SISO_Ant4_2452

Appendix C.5: Band edge measurements

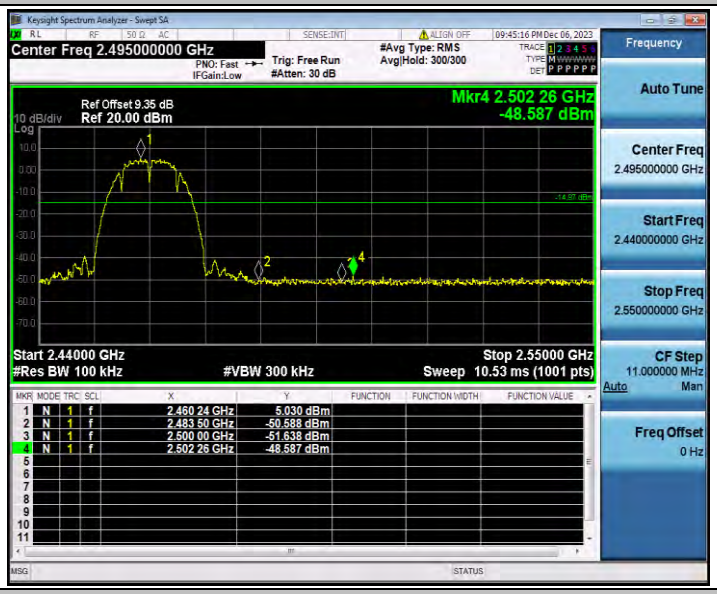
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant4	Low	2412	3.80	-42.92	≤-16.2	PASS
		High	2462	5.03	-48.59	≤-14.97	PASS
11G	Ant4	Low	2412	2.32	-44.97	≤-17.68	PASS
		High	2462	3.27	-48.9	≤-16.73	PASS
11N20SISO	Ant4	Low	2412	2.51	-46.05	≤-17.49	PASS
		High	2462	3.24	-48.11	≤-16.76	PASS
11N40SISO	Ant4	Low	2422	-0.63	-43.62	≤-20.63	PASS
		High	2452	-0.55	-46.74	≤-20.55	PASS

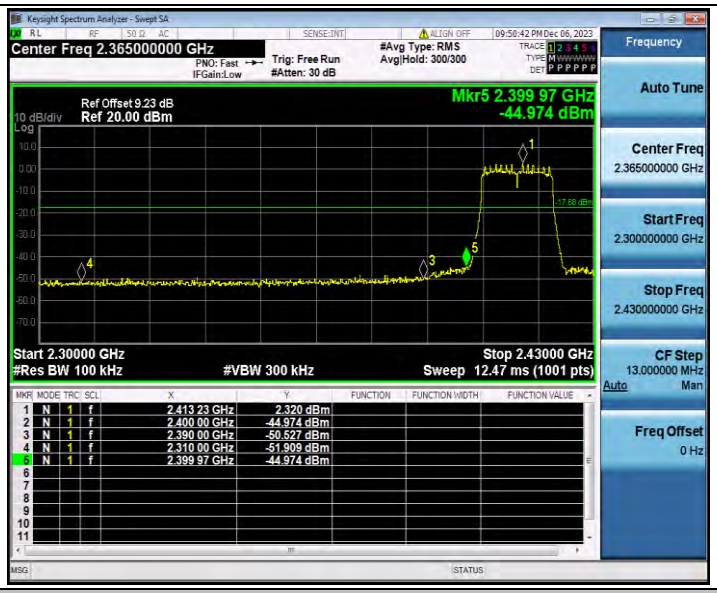
Test Graphs



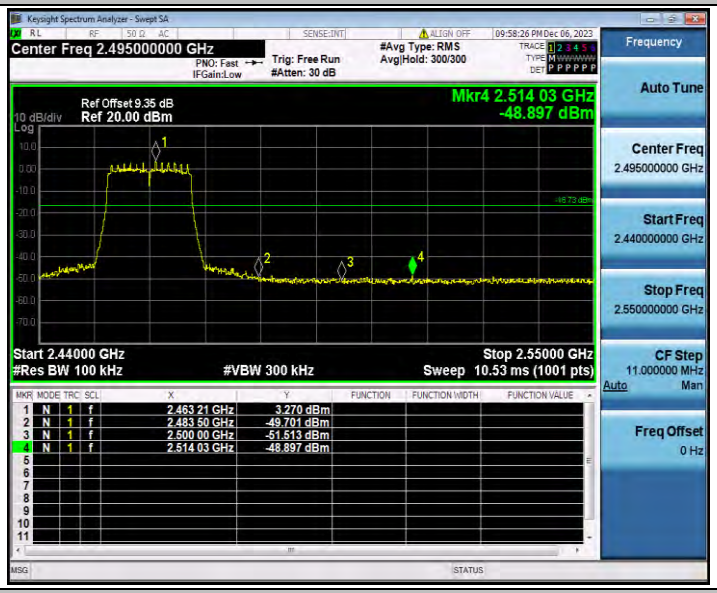
11B_Ant4_Low_2412



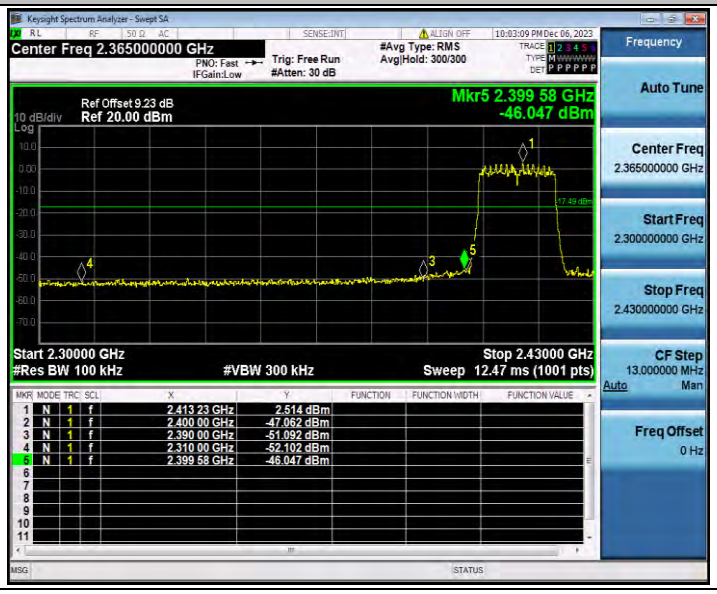
11B_Ant4_High_2462



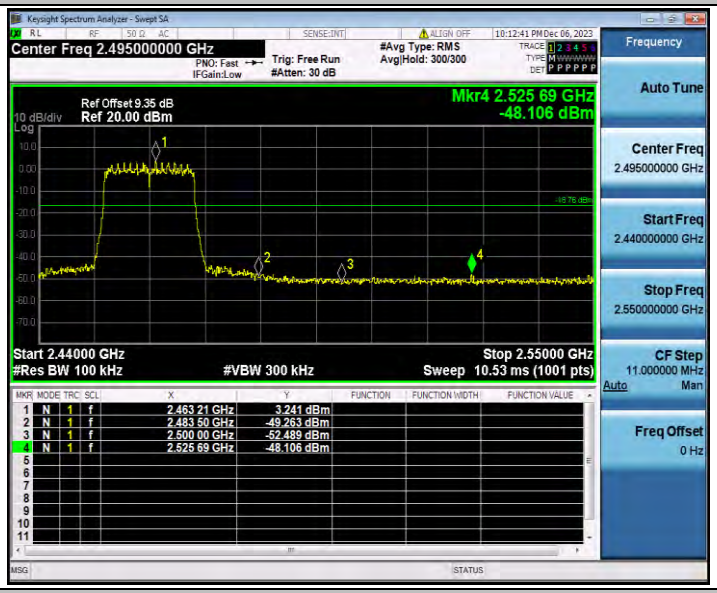
11G_Ant4_Low_2412



11G_Ant4_High_2462

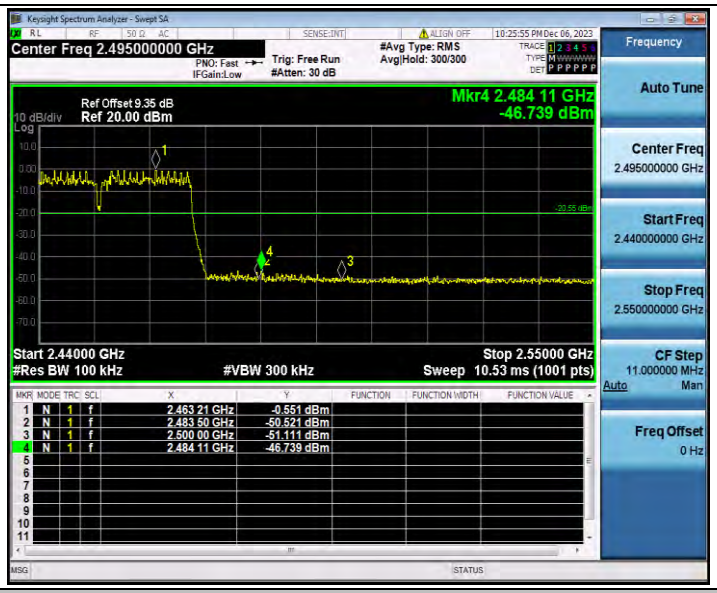


11N20SISO_Ant4_Low_2412



11N20SISO_Ant4_High_2462

11N40SISO_Ant4_Low_2422



11N40SISO_Ant4_High_2452

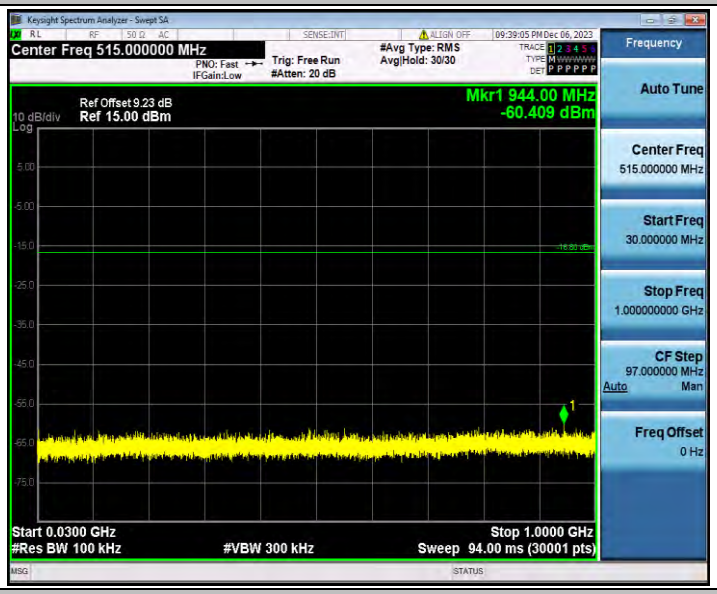
Appendix C.6: Conducted Spurious Emission

Test Result

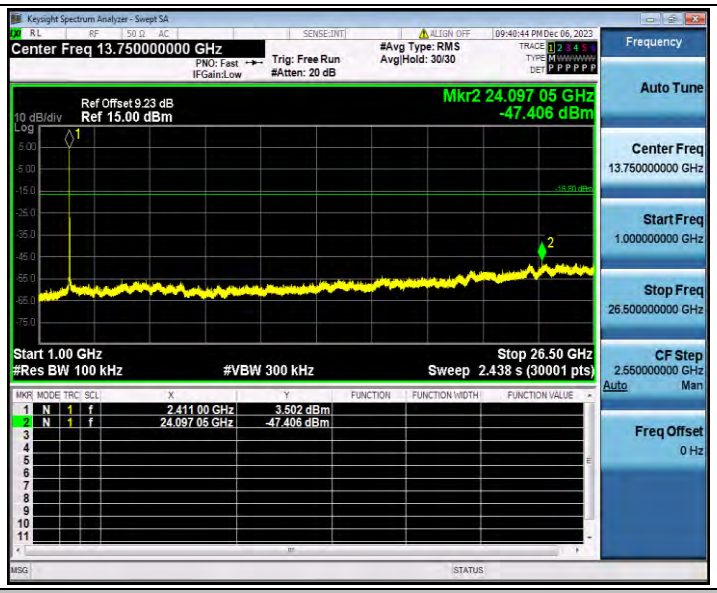
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant4	2412	Reference	3.20	3.20	---	PASS
			30~1000	3.20	-60.41	≤-16.8	PASS
			1000~26500	3.20	-47.41	≤-16.8	PASS
		2437	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-60.29	≤-15.78	PASS
			1000~26500	4.22	-47.32	≤-15.78	PASS
		2462	Reference	4.27	4.27	---	PASS
			30~1000	4.27	-60.03	≤-15.73	PASS
			1000~26500	4.27	-47.72	≤-15.73	PASS
11G	Ant4	2412	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-59.84	≤-18.51	PASS
			1000~26500	1.49	-47.68	≤-18.51	PASS
		2437	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-60.58	≤-17.95	PASS
			1000~26500	2.05	-48.07	≤-17.95	PASS
		2462	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-59.5	≤-18.69	PASS
			1000~26500	1.31	-47.61	≤-18.69	PASS
11N20SISO	Ant4	2412	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-60.9	≤-18.09	PASS
			1000~26500	1.91	-47.57	≤-18.09	PASS
		2437	Reference	2.51	2.51	---	PASS
			30~1000	2.51	-59.45	≤-17.49	PASS
			1000~26500	2.51	-47.4	≤-17.49	PASS
		2462	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-49.63	≤-17.15	PASS
			1000~26500	2.85	-47.45	≤-17.15	PASS
11N40SISO	Ant4	2422	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-56.3	≤-21.14	PASS
			1000~26500	-1.14	-47.15	≤-21.14	PASS
		2437	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-54.77	≤-20.98	PASS
			1000~26500	-0.98	-47.02	≤-20.98	PASS
		2452	Reference	-0.65	-0.65	---	PASS
			30~1000	-0.65	-59.56	≤-20.65	PASS
			1000~26500	-0.65	-47.43	≤-20.65	PASS

Test Graphs

11B_Ant4_2412_0~Reference

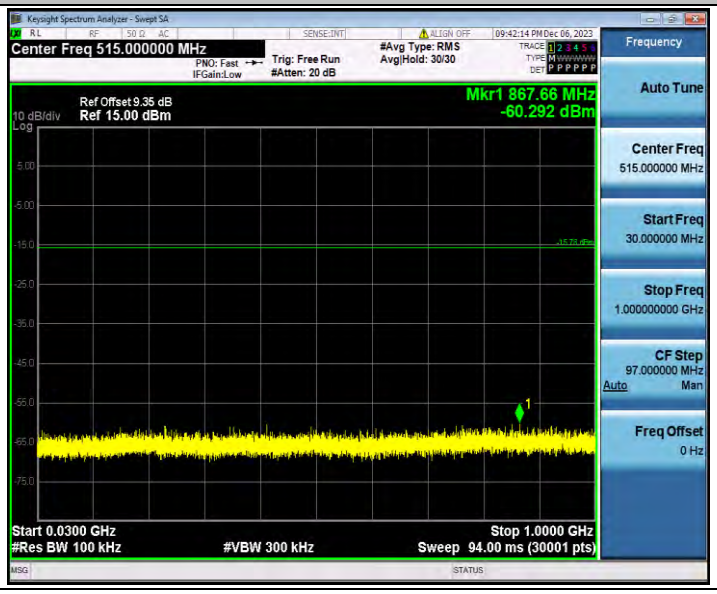


11B_Ant4_2412_30~1000



11B_Ant4_2412_1000~26500

11B_Ant4_2437_0~Reference



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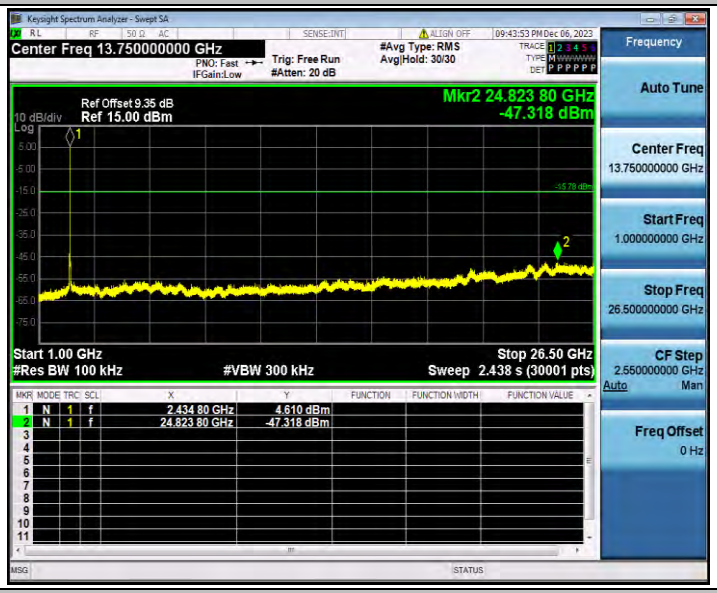
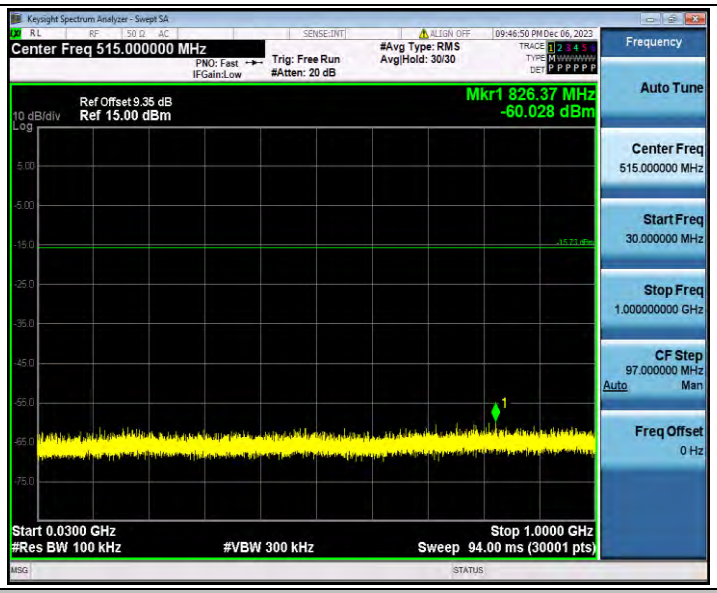
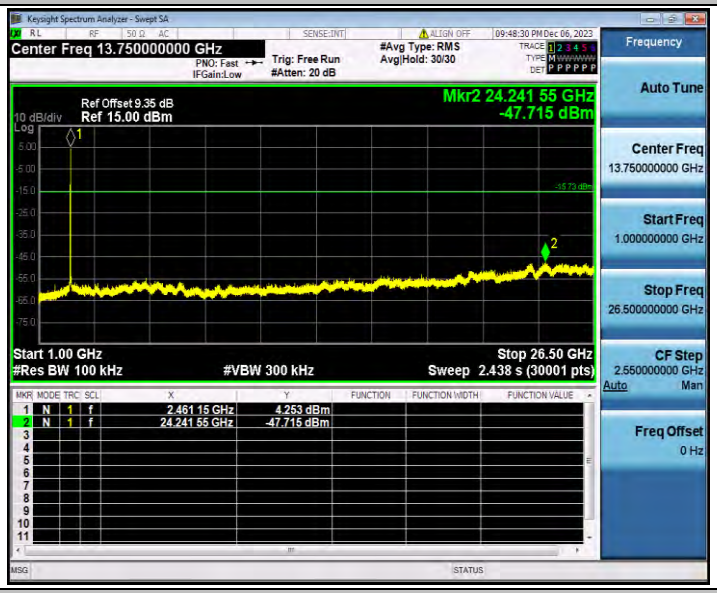


11B_Ant4_2437_1000~26500

11B_Ant4_2462_0~Reference

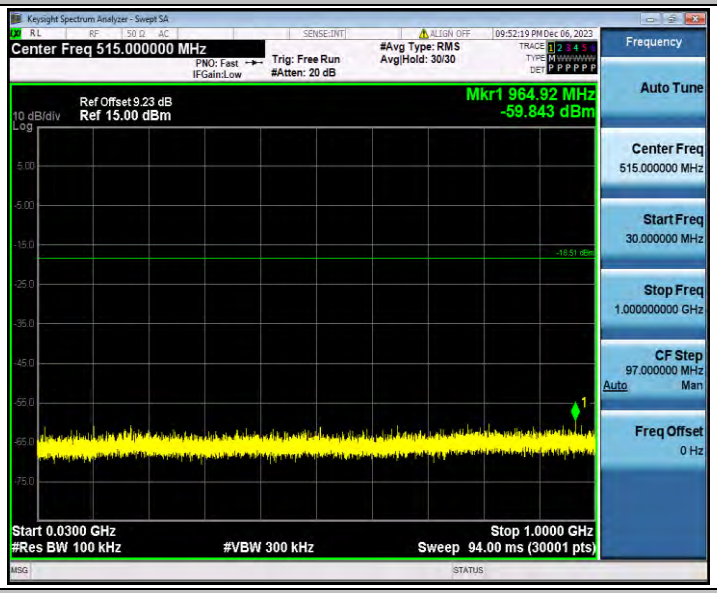


11B_Ant4_2462_30~1000



11B_Ant4_2462_1000~26500

11G_Ant4_2412_0~Reference



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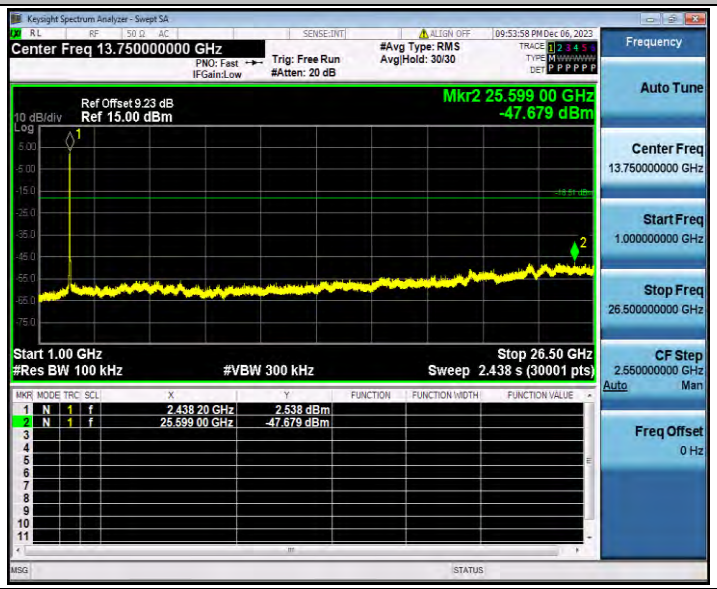
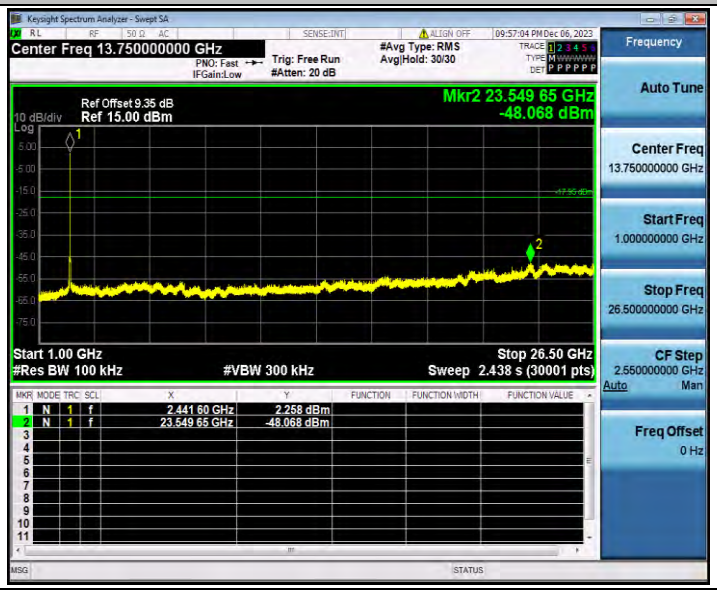


11G_Ant4_2412_1000~26500

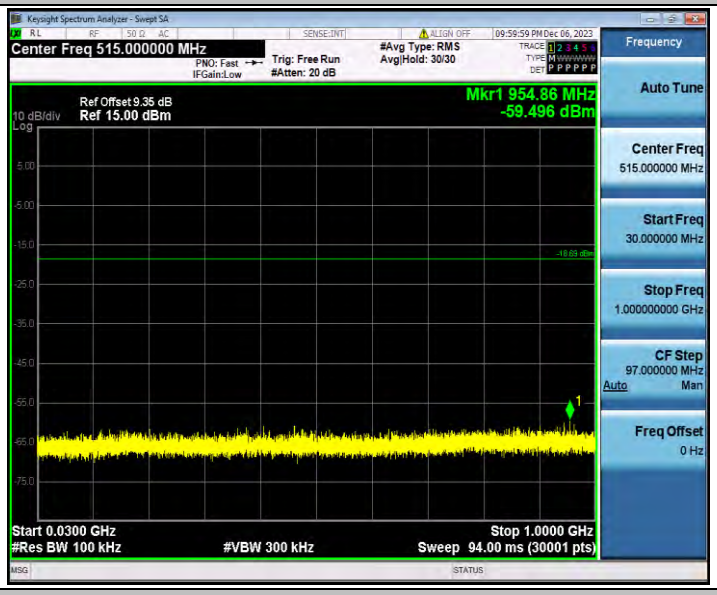
11G_Ant4_2437_0~Reference

11G_Ant4_2437_30~1000

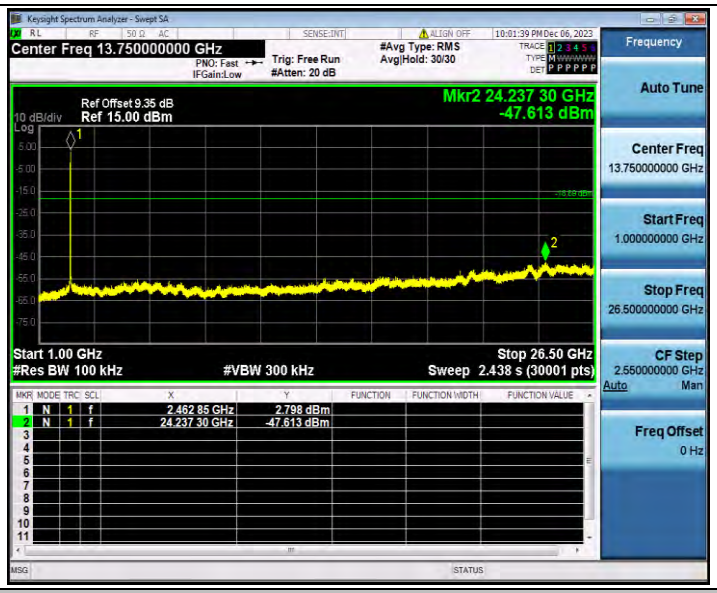


11G_Ant4_2437_1000~26500

11G_Ant4_2462_0~Reference



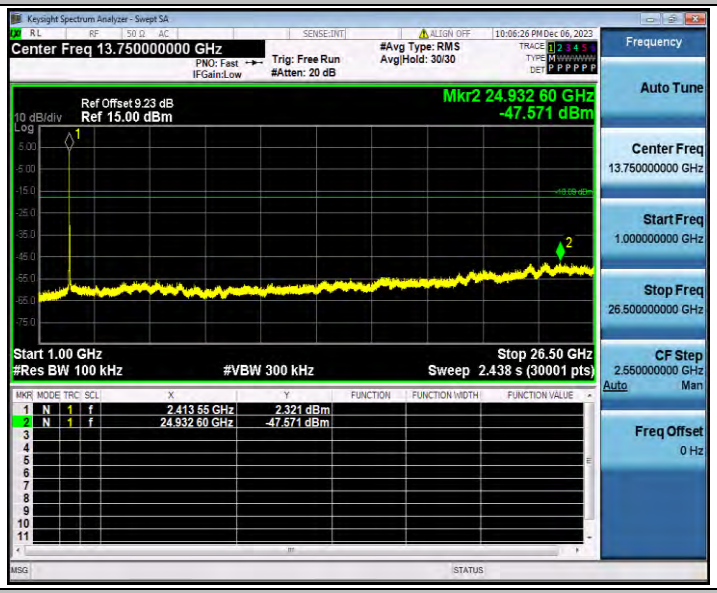
11G_Ant4_2462_30~1000



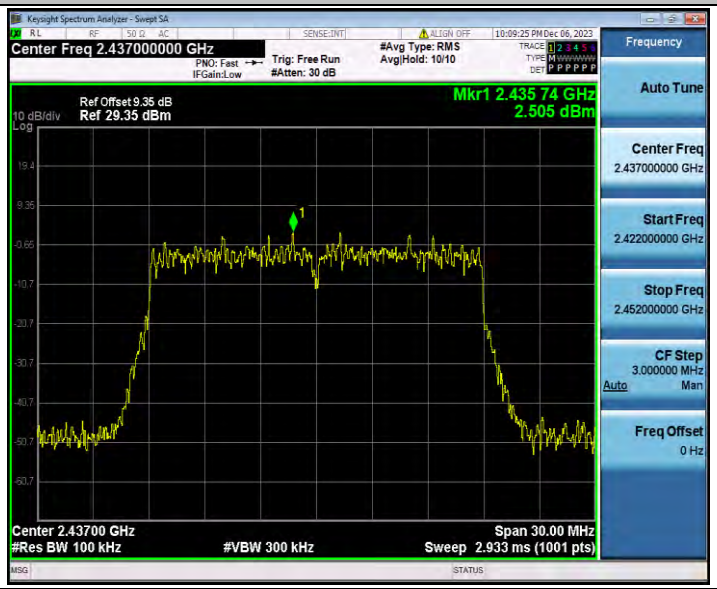
11G_Ant4_2462_1000~26500

11N20SISO_Ant4_2412_0~Reference

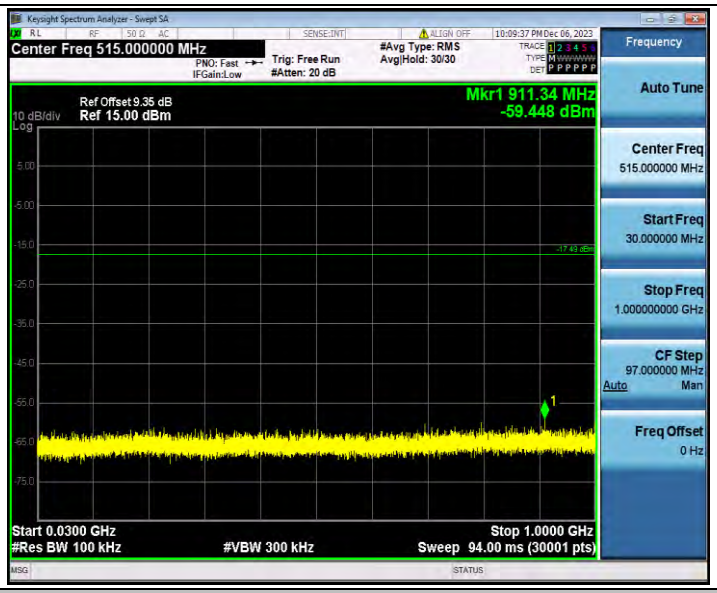
11N20SISO_Ant4_2412_30~1000



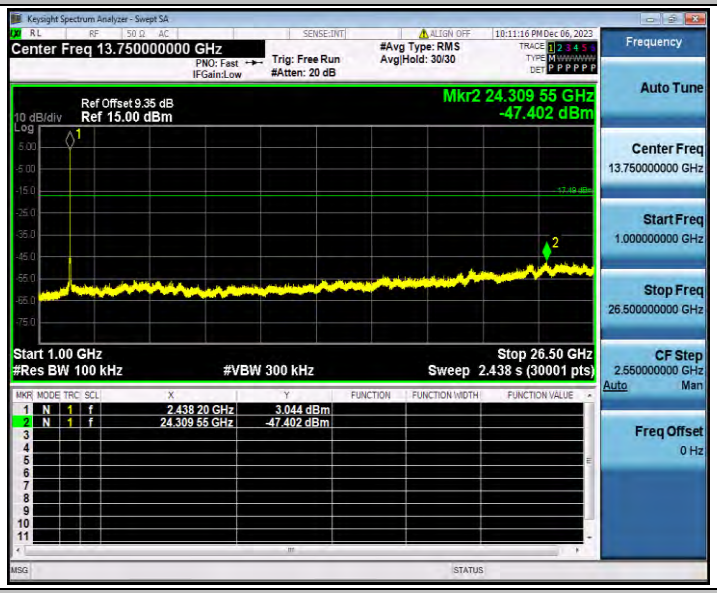
11N20SISO_Ant4_2412_1000~26500



11N20SISO_Ant4_2437_0~Reference



11N20SISO_Ant4_2437_30~1000



11N20SISO_Ant4_2437_1000~26500

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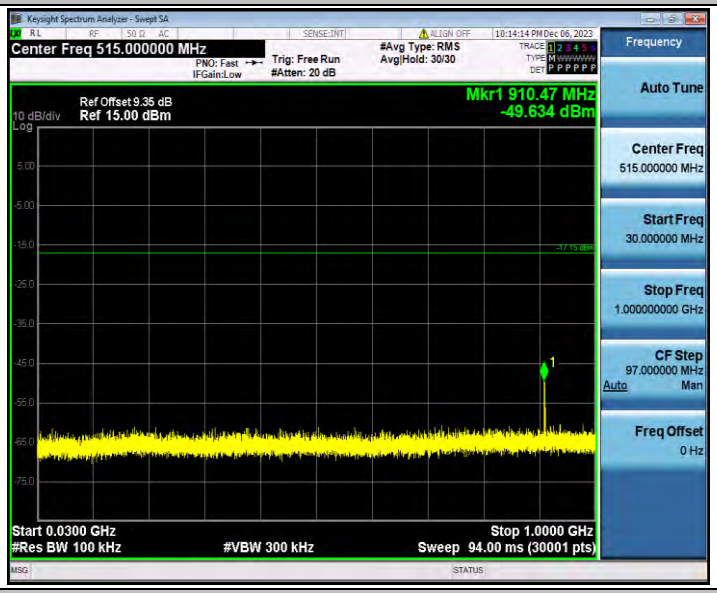
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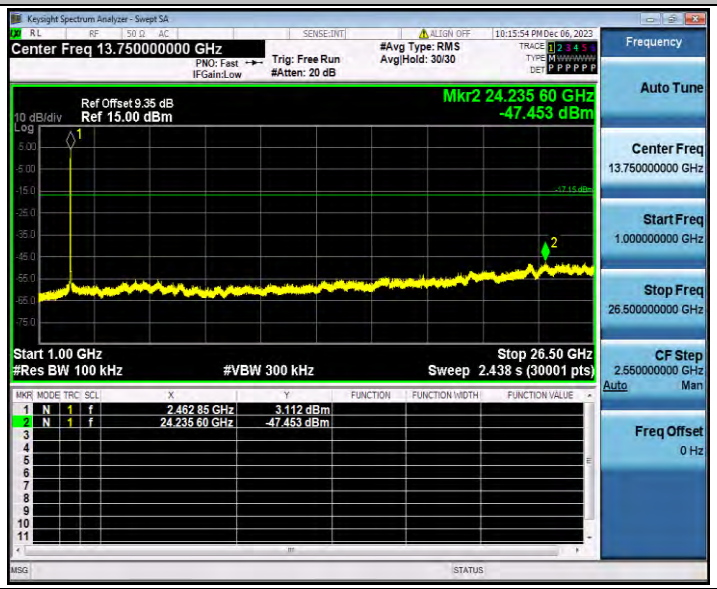
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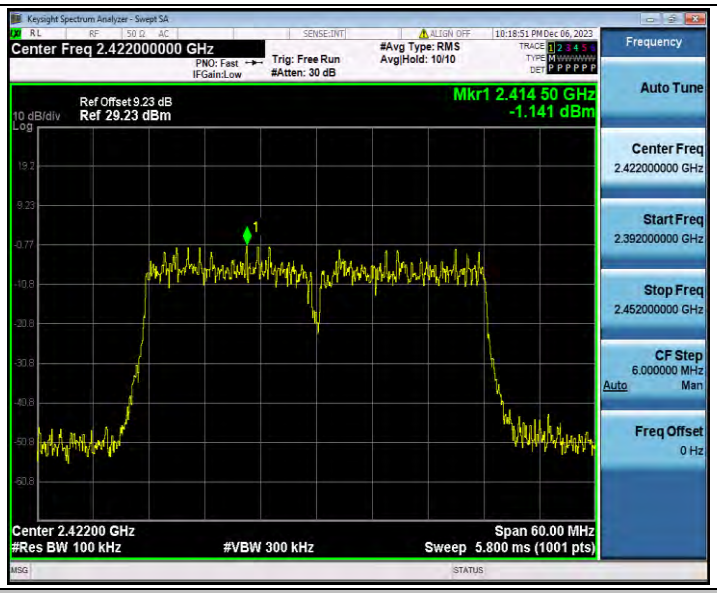
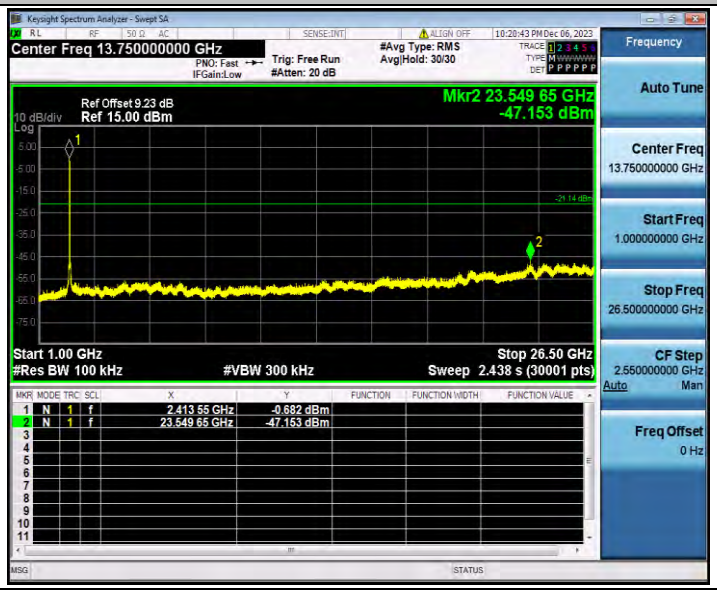
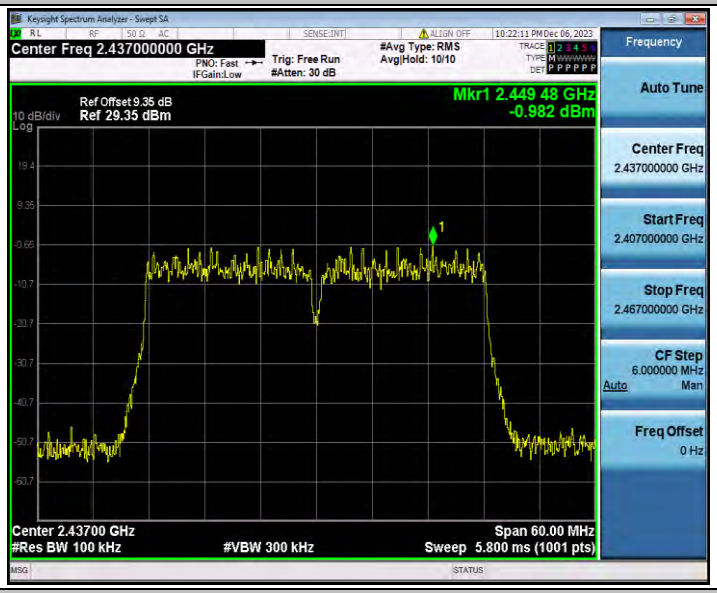


11N40SISO_Ant4_2422_0~Reference

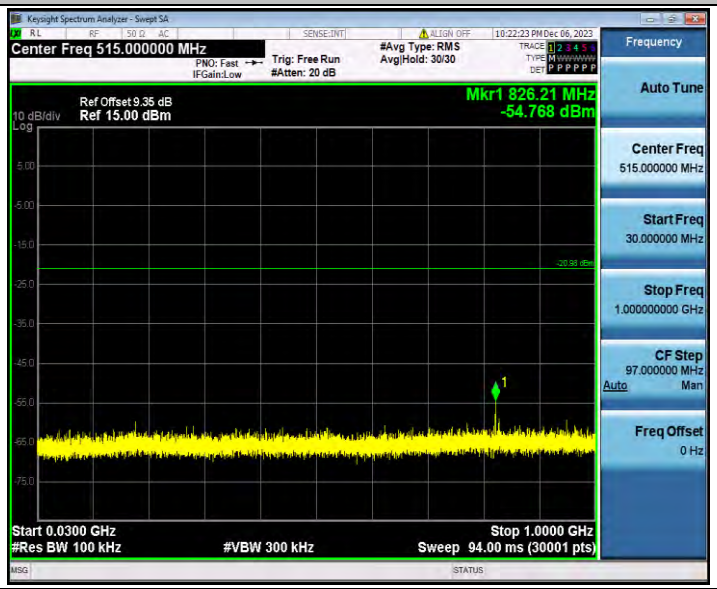
11N40SISO_Ant4_2422_30~1000



11N40SISO_Ant4_2422_1000~26500



11N40SISO_Ant4_2437_0~Reference



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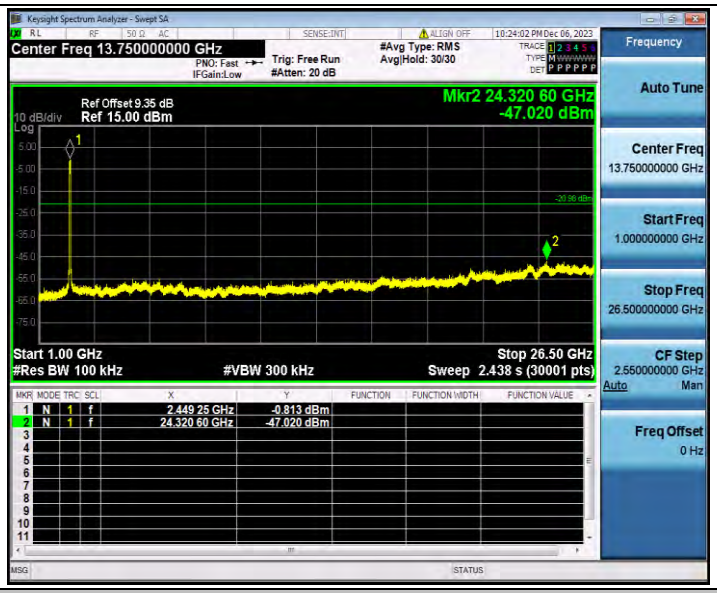

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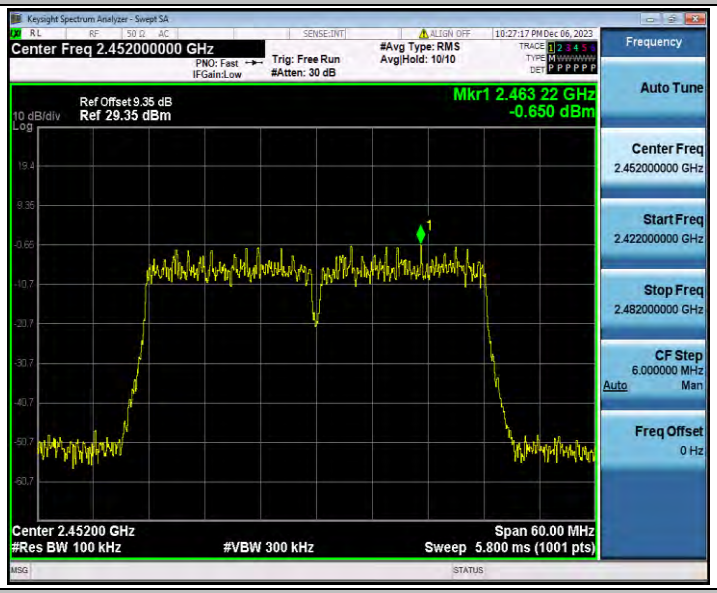

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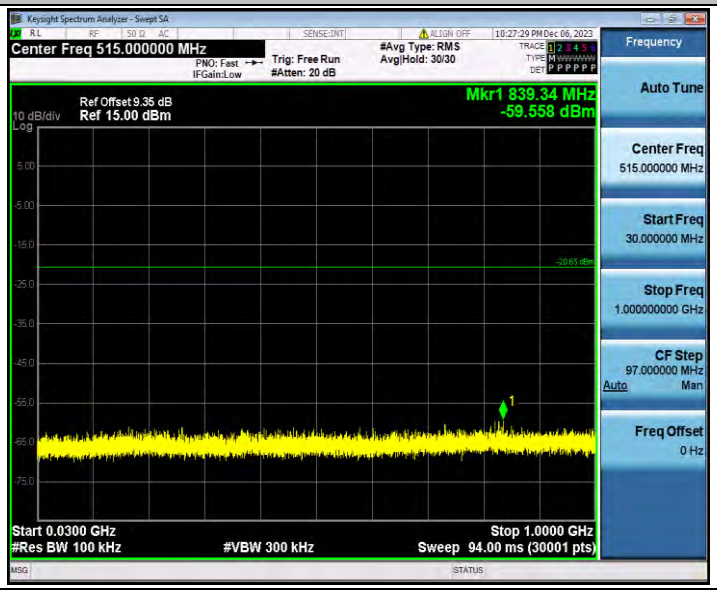
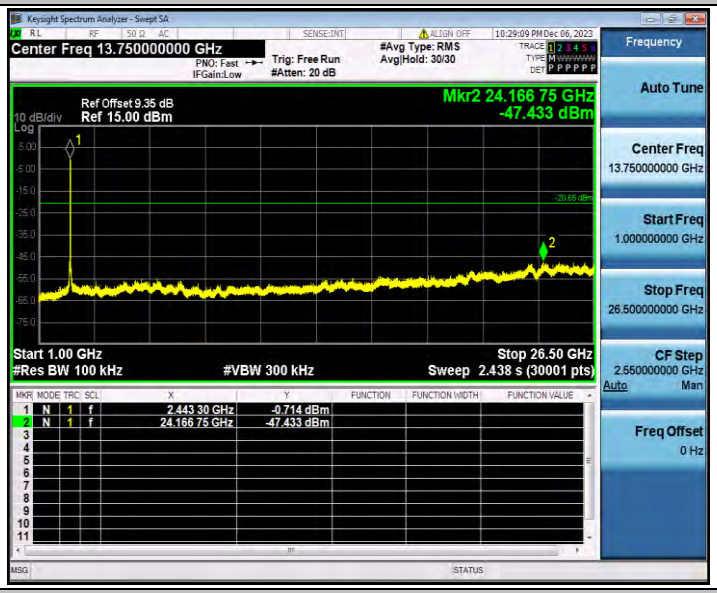


11N40SISO_Ant4_2452_30~1000

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