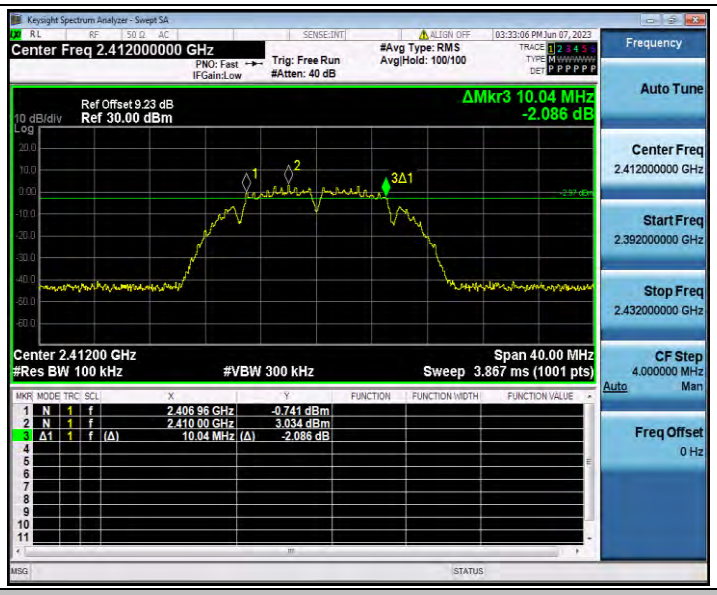
Case No. : GTS20230508024-1-45	
Ambient Condition: 24 ℃, 49 %RH, Atmos100.1Kpa,	
Test Date: 2023.6.6	**Test Engineer:** Jenny zeng

Appendix C.1: DTS Bandwidth

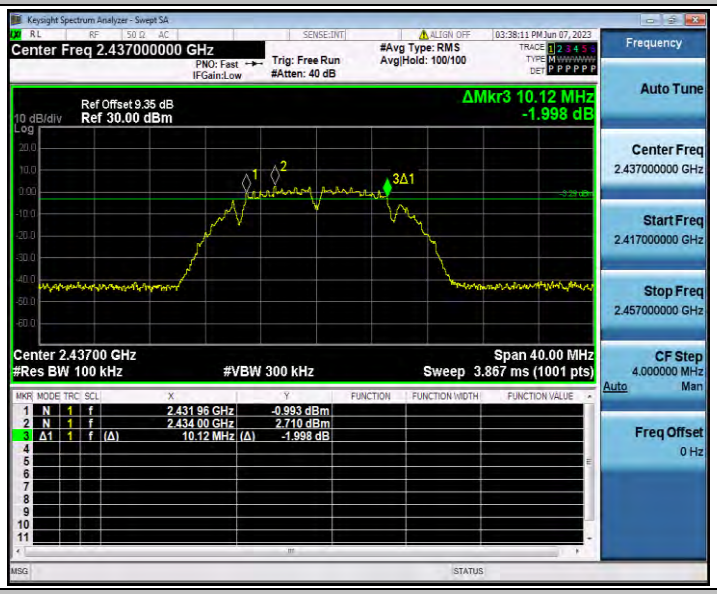
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.040	2406.960	2417.000	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	10.000	2457.000	2467.000	0.5	PASS
11G	Ant2	2412	14.000	2404.880	2418.880	0.5	PASS
		2437	13.800	2430.720	2444.520	0.5	PASS
		2462	12.200	2455.880	2468.080	0.5	PASS
11N20SISO	Ant2	2412	16.640	2403.520	2420.160	0.5	PASS
		2437	14.040	2431.360	2445.400	0.5	PASS
		2462	11.920	2455.720	2467.640	0.5	PASS
11N40SISO	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	32.480	2422.040	2454.520	0.5	PASS
		2452	35.120	2434.480	2469.600	0.5	PASS

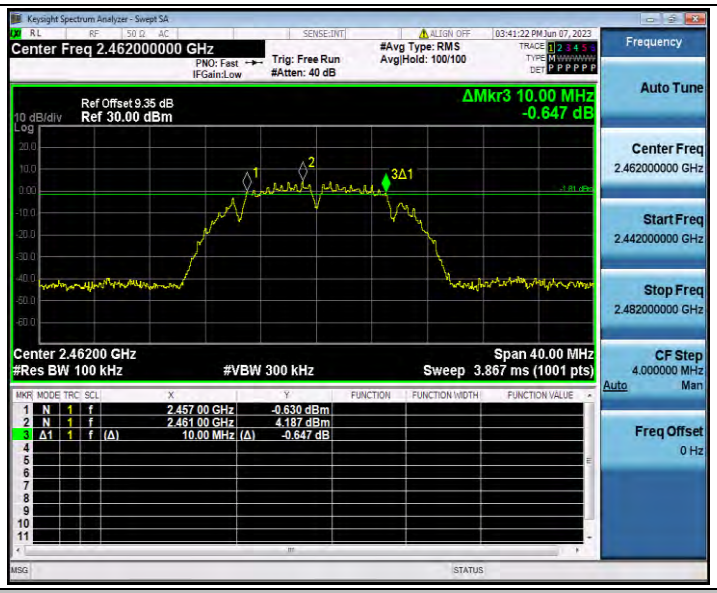
Test Graphs



11B_Ant2_2412



11B_Ant2_2437



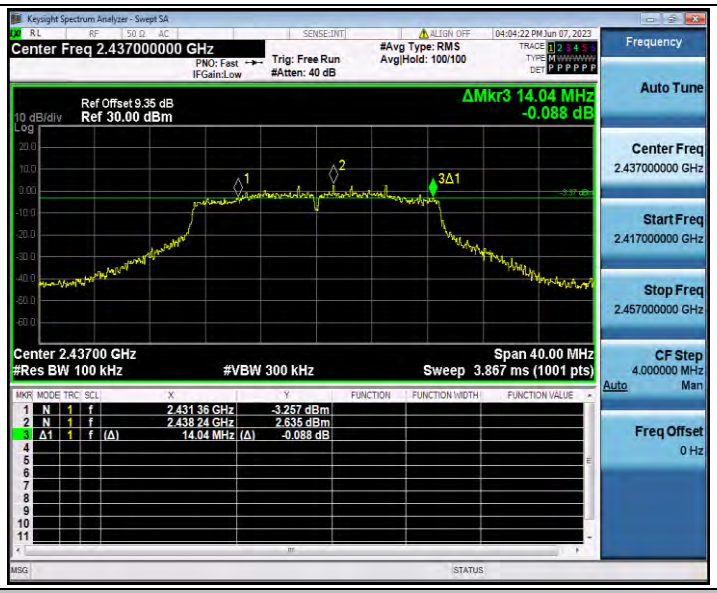
11B_Ant2_2462

11G_Ant2_2412

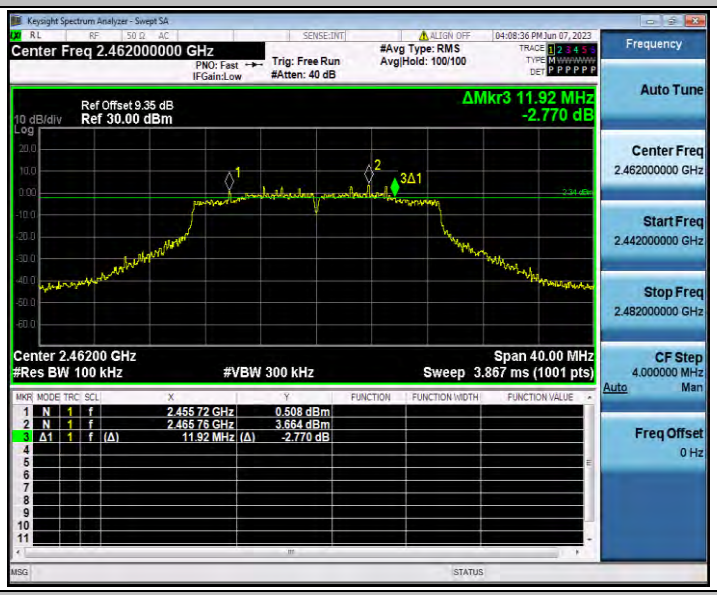
11G_Ant2_2437

11G_Ant2_2462

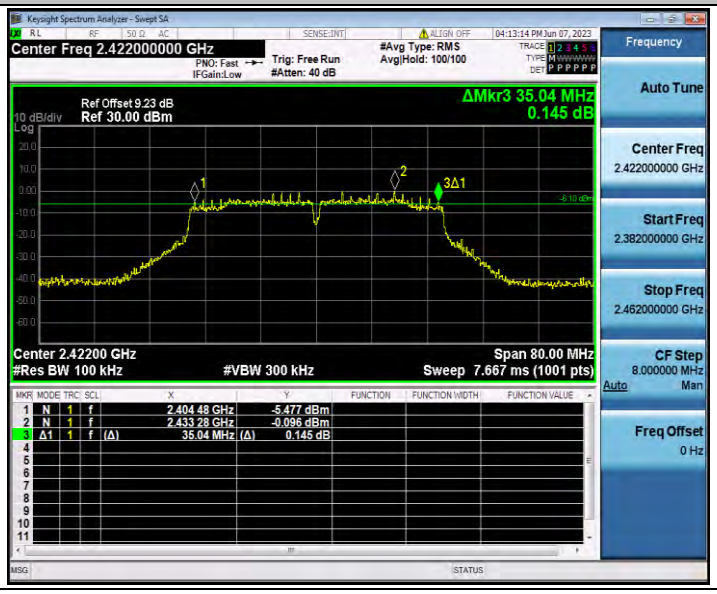
11N20SISO_Ant2_2412



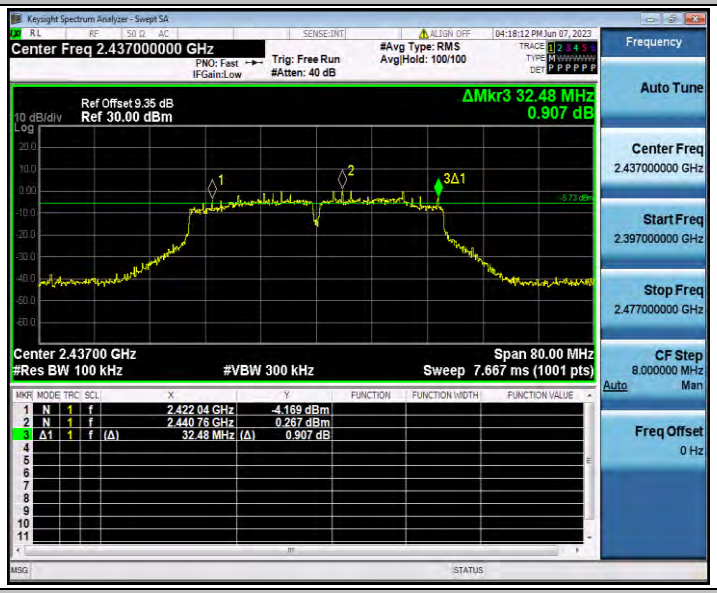
11N20SISO_Ant2_2437



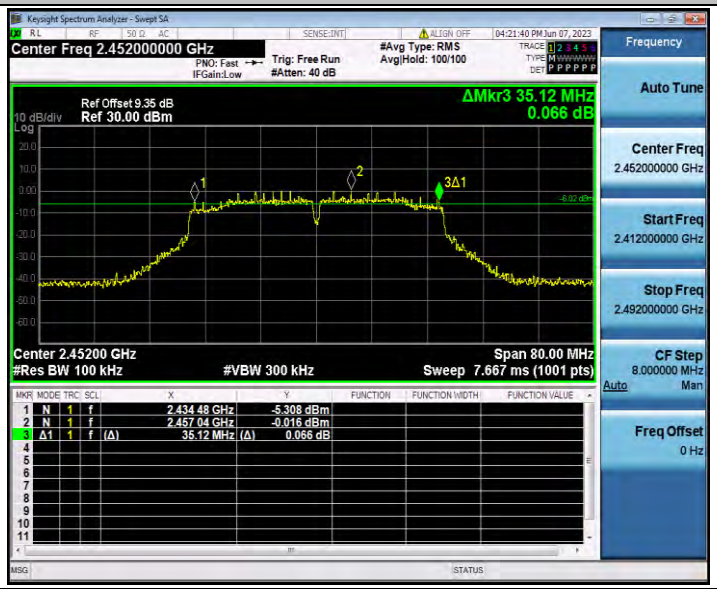
11N20SISO_Ant2_2462



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	13.699	2405.129	2418.828	---	---
		2437	13.691	2430.238	2443.929	---	---
		2462	13.628	2455.221	2468.849	---	---
11G	Ant2	2412	16.839	2403.572	2420.411	---	---
		2437	16.777	2428.664	2445.441	---	---
		2462	16.733	2453.664	2470.397	---	---
11N20SISO	Ant2	2412	18.028	2403.006	2421.034	---	---
		2437	17.977	2428.078	2446.055	---	---
		2462	17.906	2453.074	2470.980	---	---
11N40SISO	Ant2	2422	36.291	2403.930	2440.221	---	---
		2437	36.273	2419.045	2455.318	---	---
		2452	36.133	2434.073	2470.206	---	---

Test Graphs

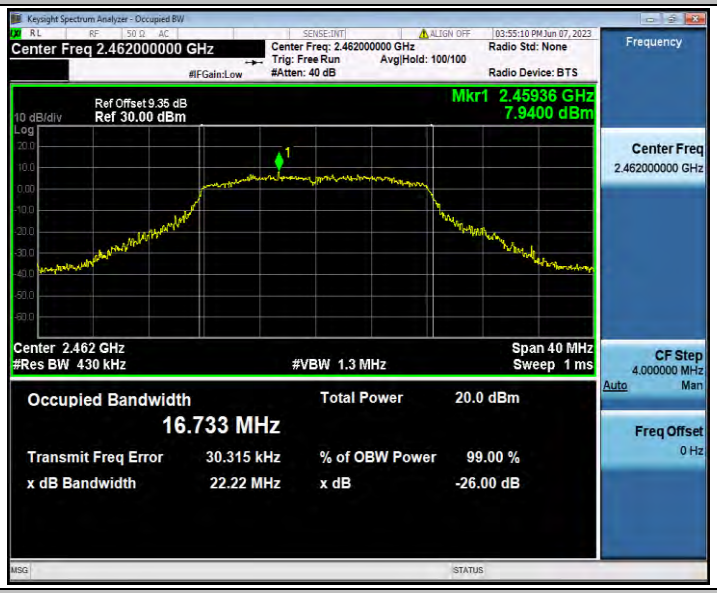
11B_Ant2_2412

11B_Ant2_2437

11B_Ant2_2462

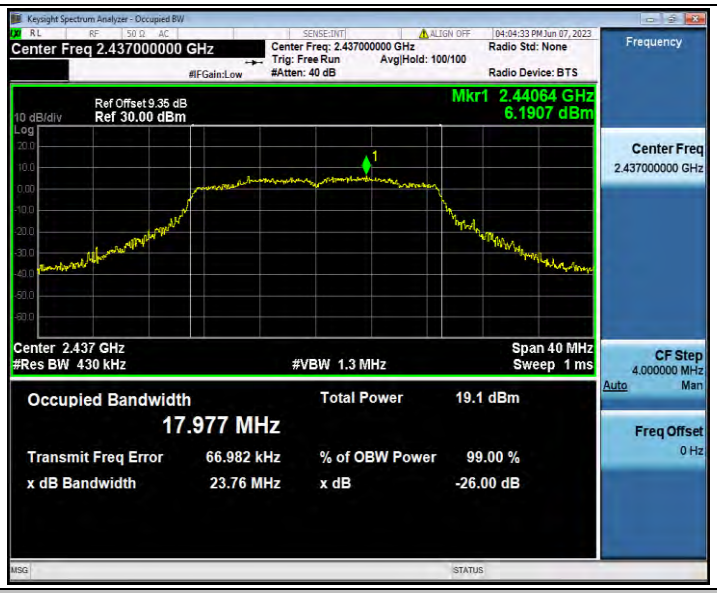
11G_Ant2_2412

11G_Ant2_2437

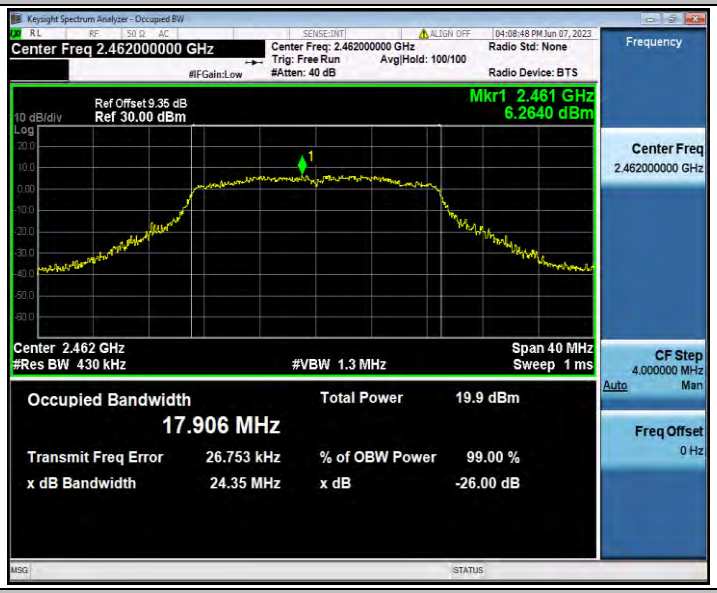


11G_Ant2_2462

11N20SISO_Ant2_2412

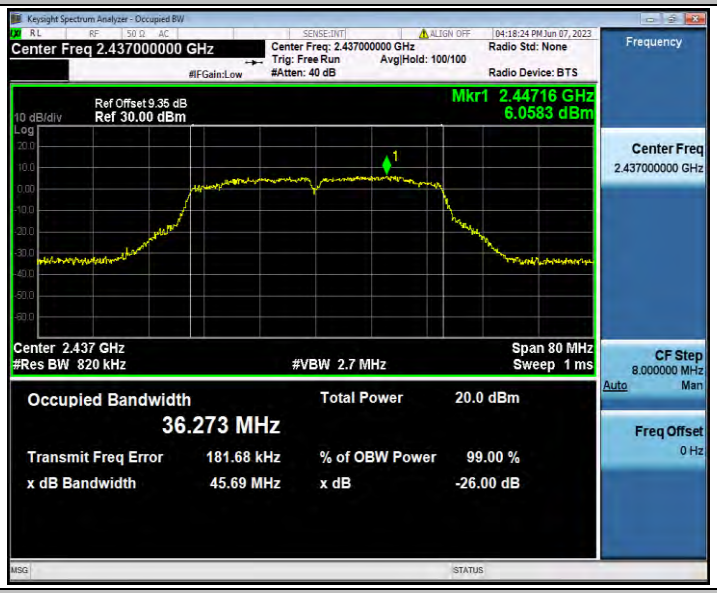


11N20SISO_Ant2_2437



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	15.59	≤30.00	PASS
		2437	15.91	≤30.00	PASS
		2462	16.58	≤30.00	PASS
11G	Ant2	2412	20.06	≤30.00	PASS
		2437	20.30	≤30.00	PASS
		2462	21.13	≤30.00	PASS
11N20SISO	Ant2	2412	19.94	≤30.00	PASS
		2437	20.30	≤30.00	PASS
		2462	21.08	≤30.00	PASS
11N40SISO	Ant2	2422	20.30	≤30.00	PASS
		2437	20.31	≤30.00	PASS
		2452	20.68	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

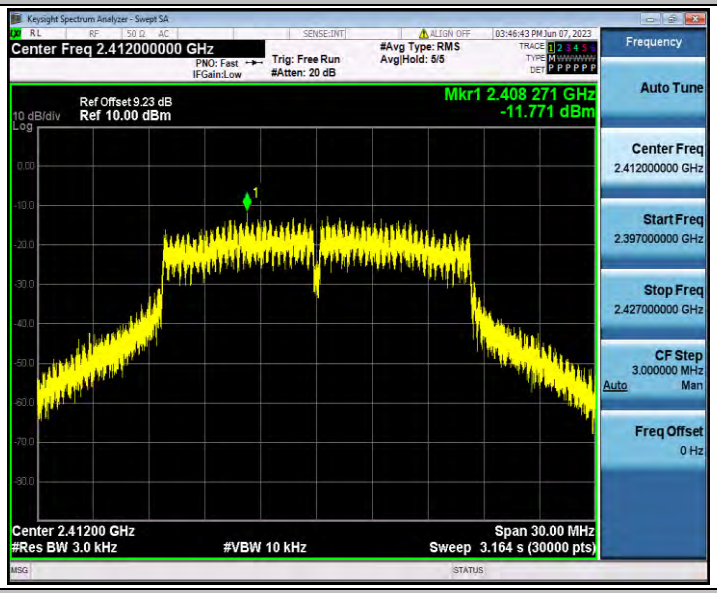
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-10.34	≤8.00	PASS
		2437	-10.86	≤8.00	PASS
		2462	-9.03	≤8.00	PASS
11G	Ant2	2412	-11.77	≤8.00	PASS
		2437	-12.09	≤8.00	PASS
		2462	-10.84	≤8.00	PASS
11N20SISO	Ant2	2412	-13.15	≤8.00	PASS
		2437	-12.11	≤8.00	PASS
		2462	-10.71	≤8.00	PASS
11N40SISO	Ant2	2422	-15.36	≤8.00	PASS
		2437	-15.41	≤8.00	PASS
		2452	-14.84	≤8.00	PASS

Test Graphs

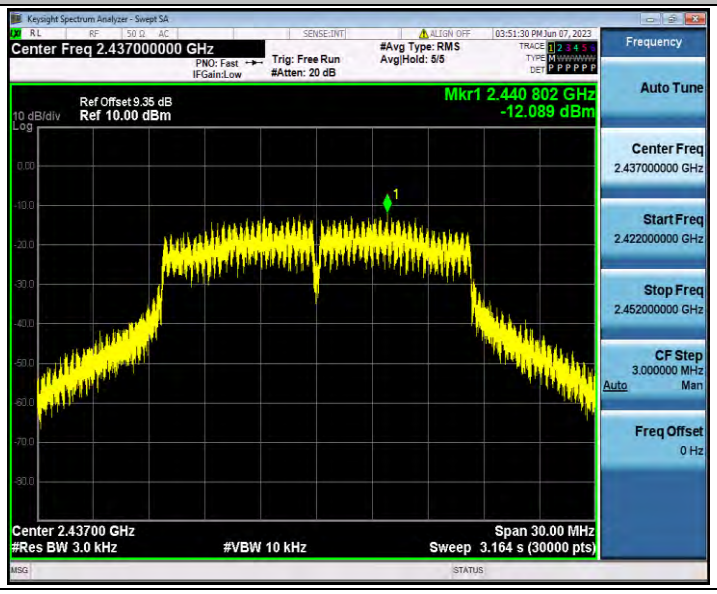
11B_Ant2_2412

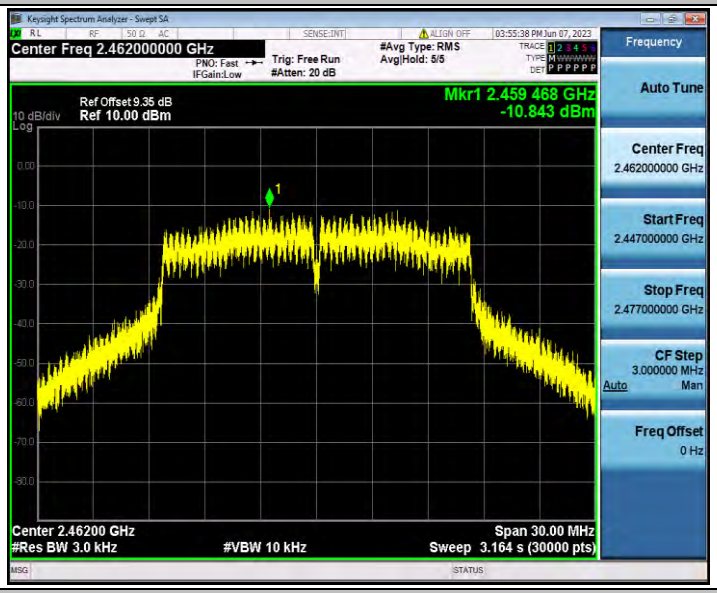
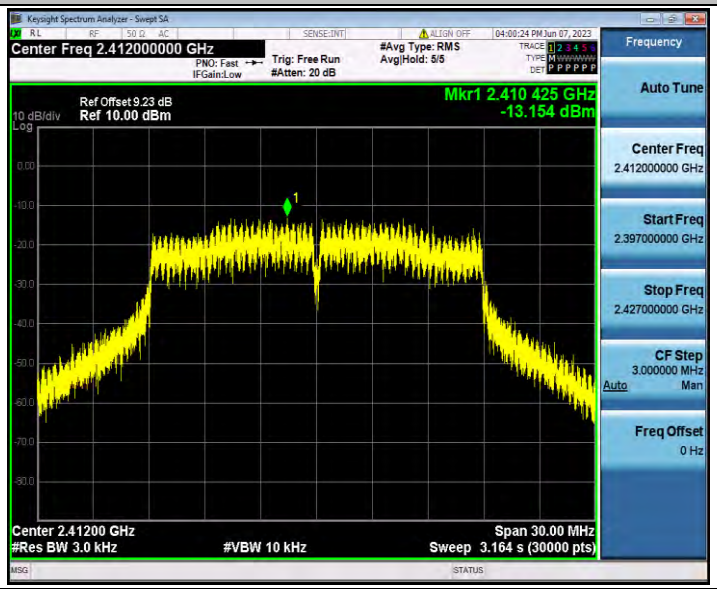
11B_Ant2_2437

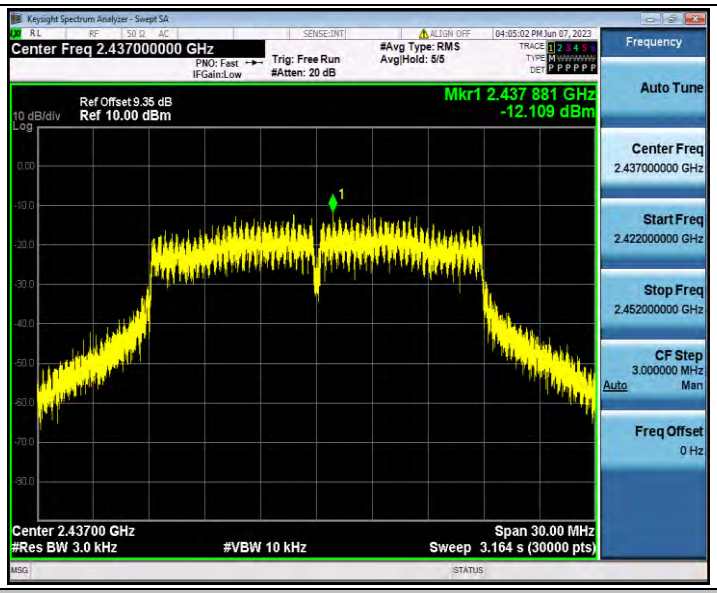
11B_Ant2_2462



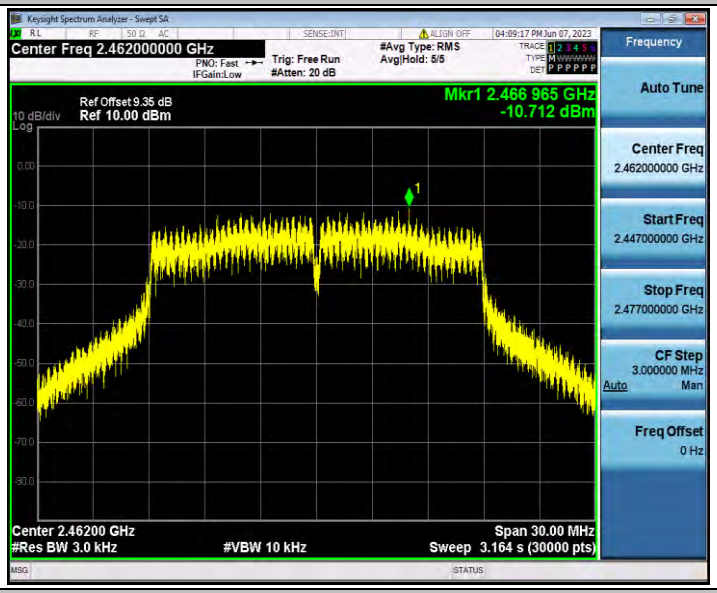
11G_Ant2_2412



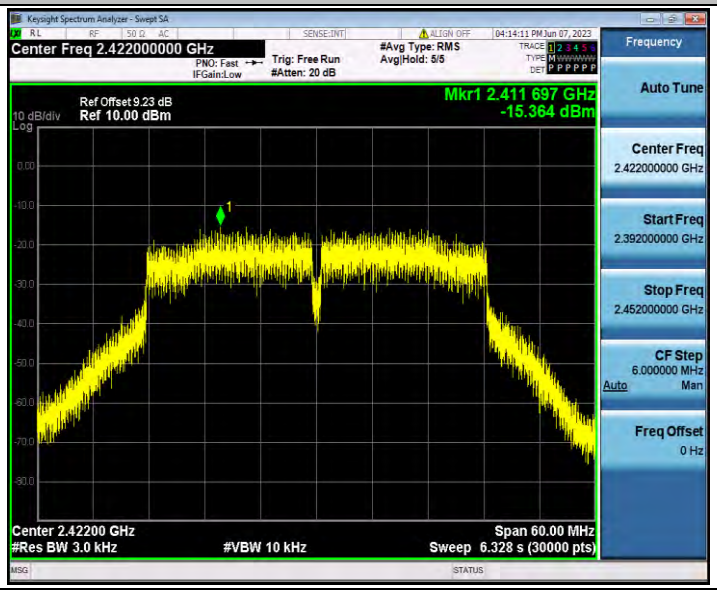
11G_Ant2_2437

11G_Ant2_2462

11N20SISO_Ant2_2412



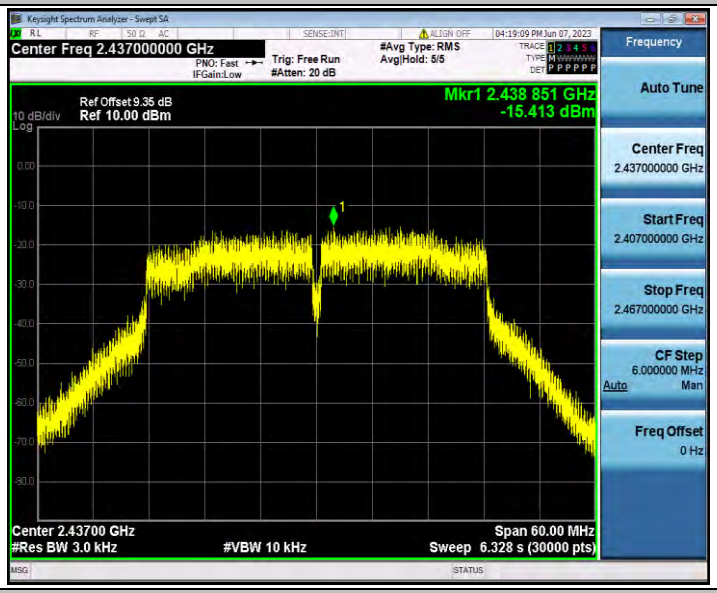
11N20SISO_Ant2_2437



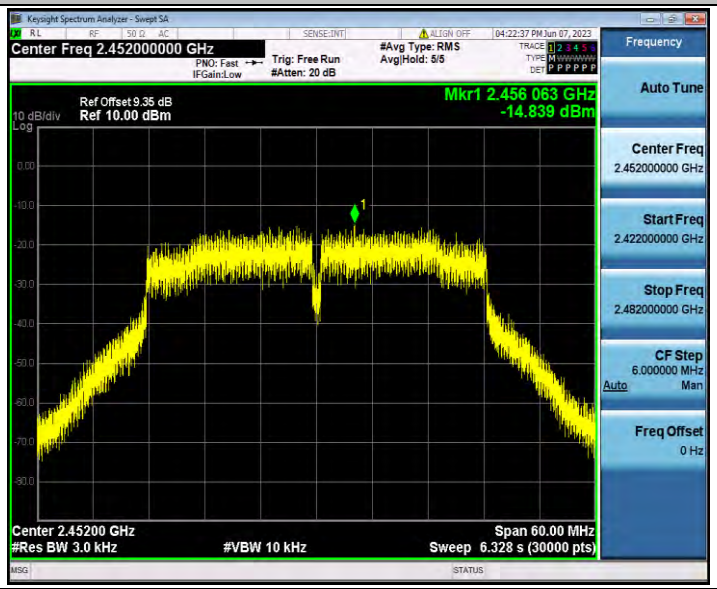
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



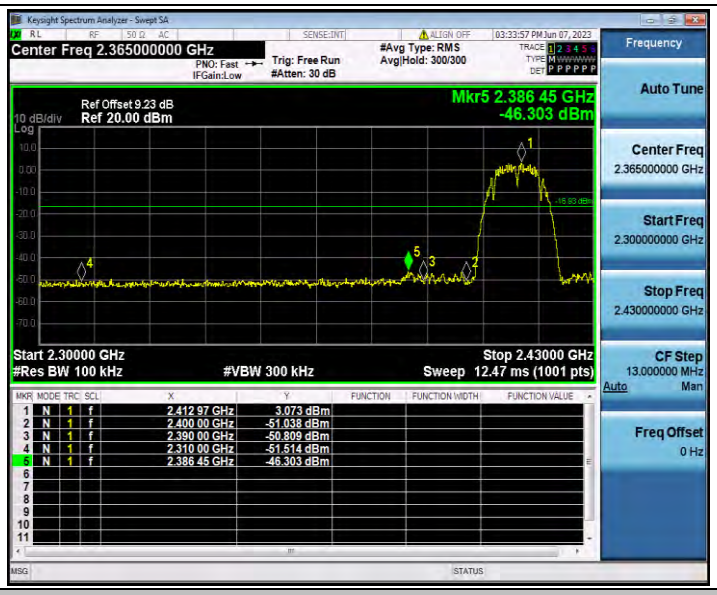
11N40SISO_Ant2_2452

Appendix C.5: Band edge measurements

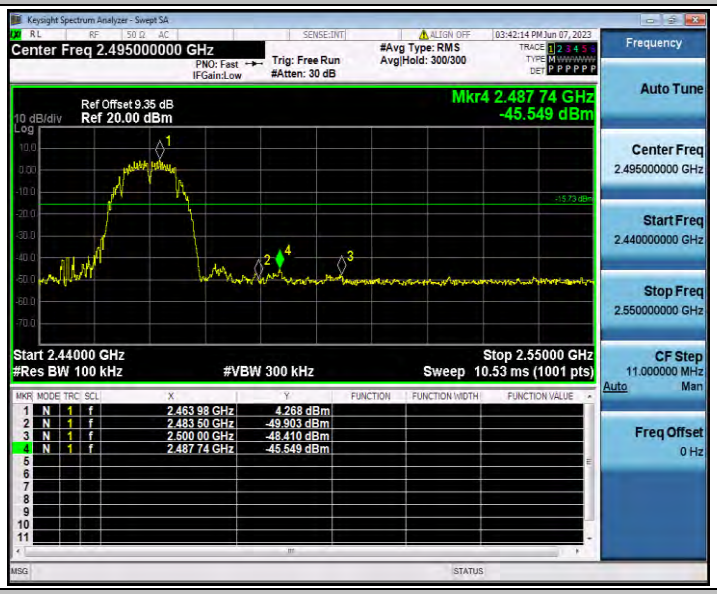
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	3.07	-46.3	≤-16.93	PASS
		High	2462	4.27	-45.55	≤-15.73	PASS
11G	Ant2	Low	2412	2.16	-27.37	≤-17.84	PASS
		High	2462	3.69	-46.26	≤-16.31	PASS
11N20SISO	Ant2	Low	2412	2.28	-25.97	≤-17.72	PASS
		High	2462	3.65	-46.78	≤-16.35	PASS
11N40SISO	Ant2	Low	2422	-0.18	-27.4	≤-20.18	PASS
		High	2452	0.55	-41.97	≤-19.45	PASS

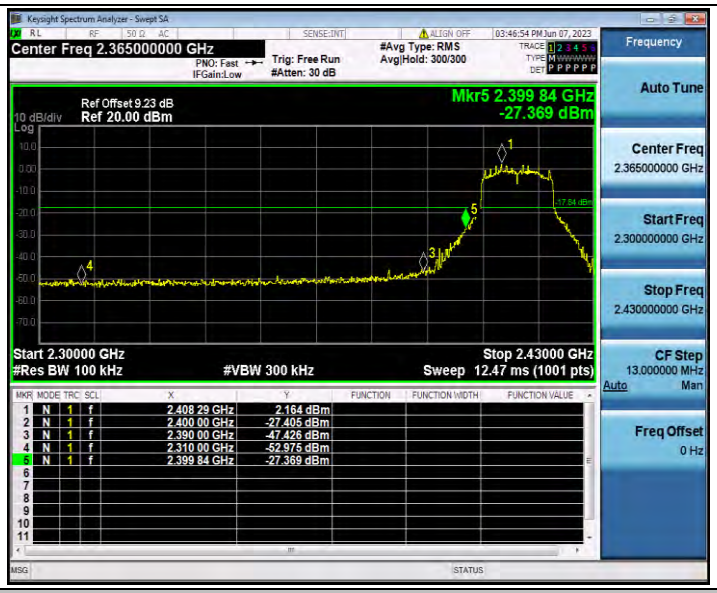
Test Graphs



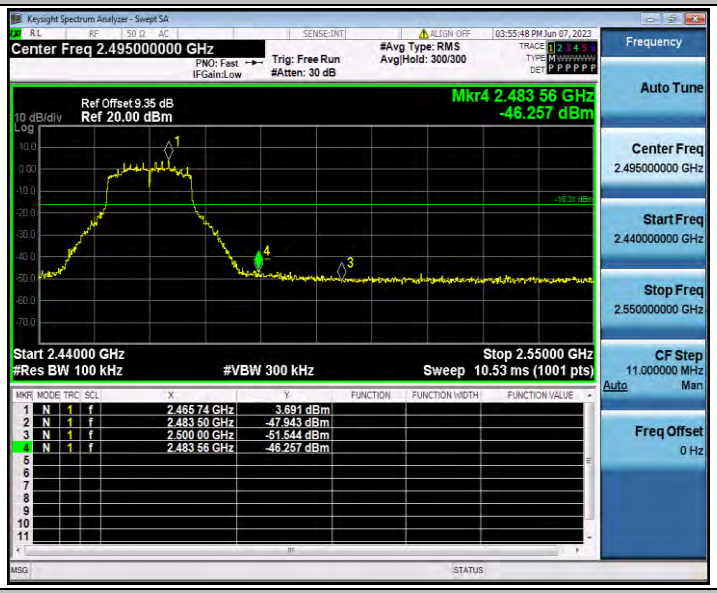
11B_Ant2_Low_2412



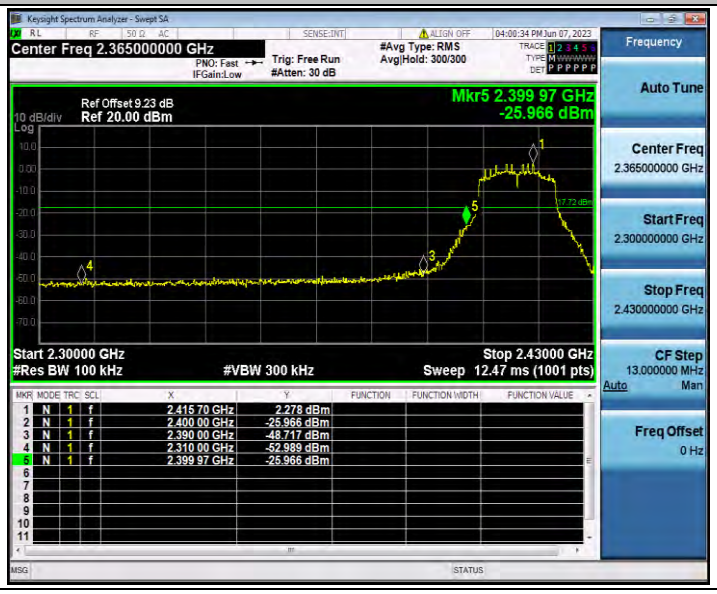
11B_Ant2_High_2462



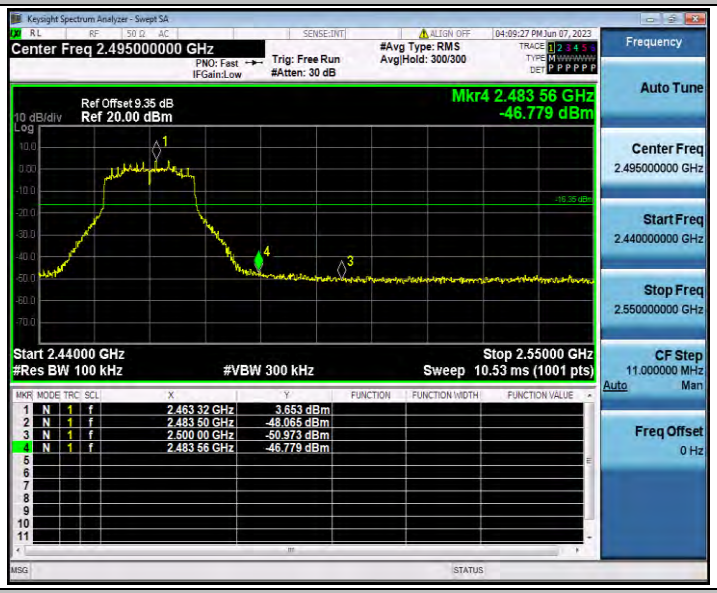
11G_Ant2_Low_2412



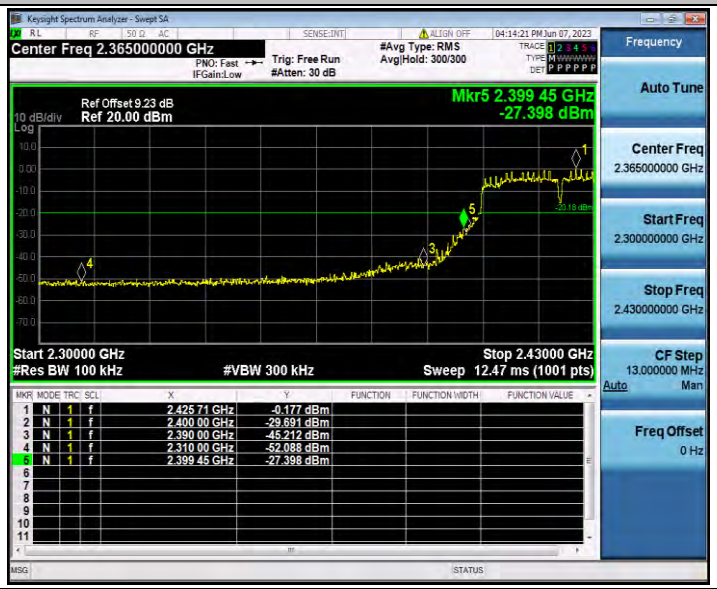
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422

11N40SISO_Ant2_High_2452

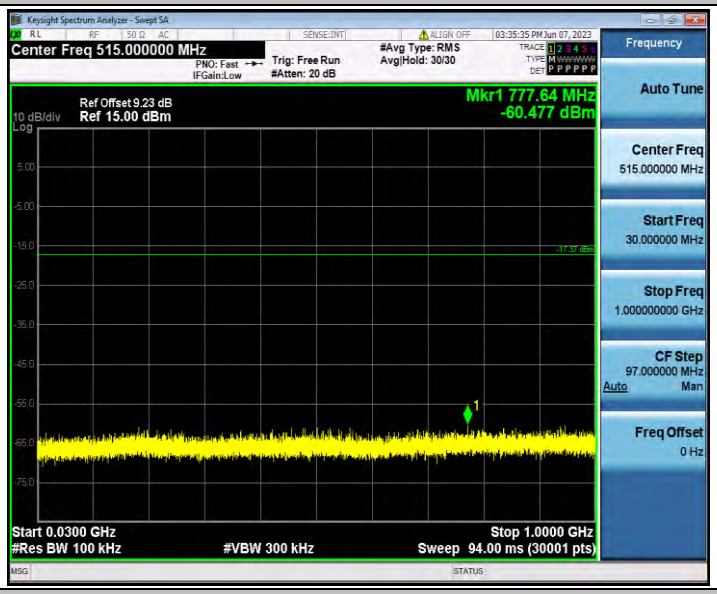
Appendix C.6: Conducted Spurious Emission

Test Result

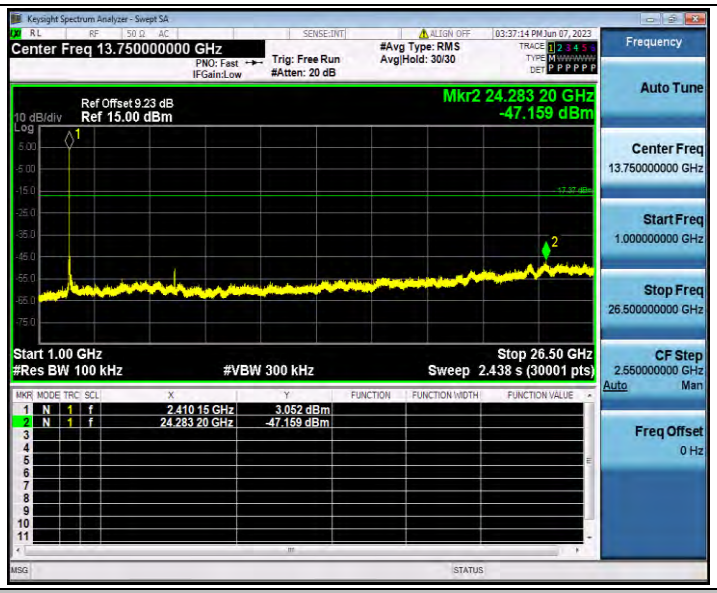
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	2.63	2.63	---	PASS
			30~1000	2.63	-60.48	≤-17.37	PASS
			1000~26500	2.63	-47.16	≤-17.37	PASS
		2437	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-59.99	≤-16.47	PASS
			1000~26500	3.53	-47.4	≤-16.47	PASS
		2462	Reference	3.26	3.26	---	PASS
			30~1000	3.26	-60.56	≤-16.74	PASS
			1000~26500	3.26	-47.49	≤-16.74	PASS
11G	Ant2	2412	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-60.56	≤-20.09	PASS
			1000~26500	-0.09	-47.8	≤-20.09	PASS
		2437	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-60.02	≤-20.01	PASS
			1000~26500	-0.01	-46.93	≤-20.01	PASS
		2462	Reference	3.65	3.65	---	PASS
			30~1000	3.65	-60.13	≤-16.35	PASS
			1000~26500	3.65	-47.58	≤-16.35	PASS
11N20SISO	Ant2	2412	Reference	0.36	0.36	---	PASS
			30~1000	0.36	-59.51	≤-19.64	PASS
			1000~26500	0.36	-47.74	≤-19.64	PASS
		2437	Reference	-1.15	-1.15	---	PASS
			30~1000	-1.15	-60.23	≤-21.15	PASS
			1000~26500	-1.15	-47.81	≤-21.15	PASS
		2462	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-60.47	≤-19.23	PASS
			1000~26500	0.77	-47.21	≤-19.23	PASS
11N40SISO	Ant2	2422	Reference	-2.12	-2.12	---	PASS
			30~1000	-2.12	-59.85	≤-22.12	PASS
			1000~26500	-2.12	-48	≤-22.12	PASS
		2437	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-60.07	≤-22.7	PASS
			1000~26500	-2.70	-47.92	≤-22.7	PASS
		2452	Reference	-0.58	-0.58	---	PASS
			30~1000	-0.58	-59.95	≤-20.58	PASS
			1000~26500	-0.58	-47.54	≤-20.58	PASS

Test Graphs

11B_Ant2_2412_0~Reference

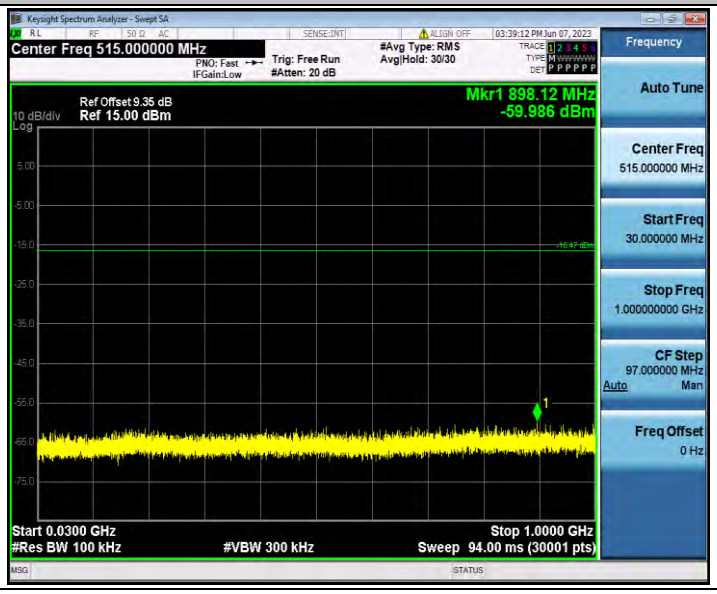


11B_Ant2_2412_30~1000

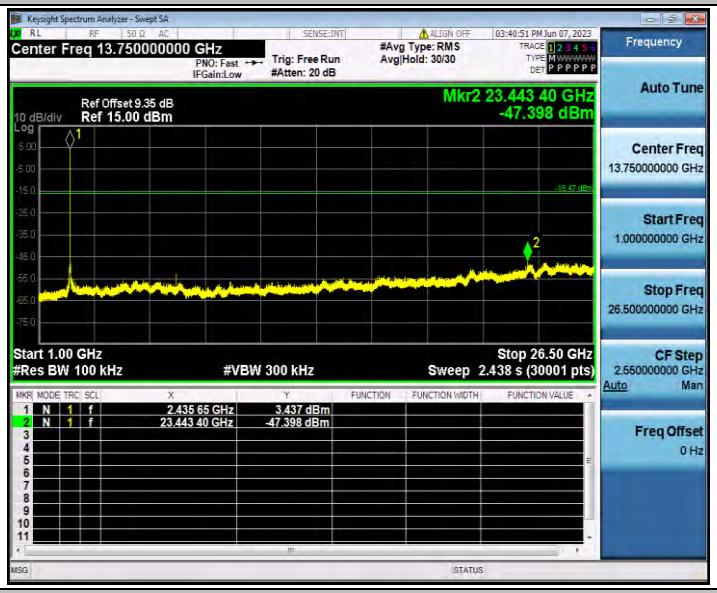


11B_Ant2_2412_1000~26500

11B_Ant2_2437_0~Reference



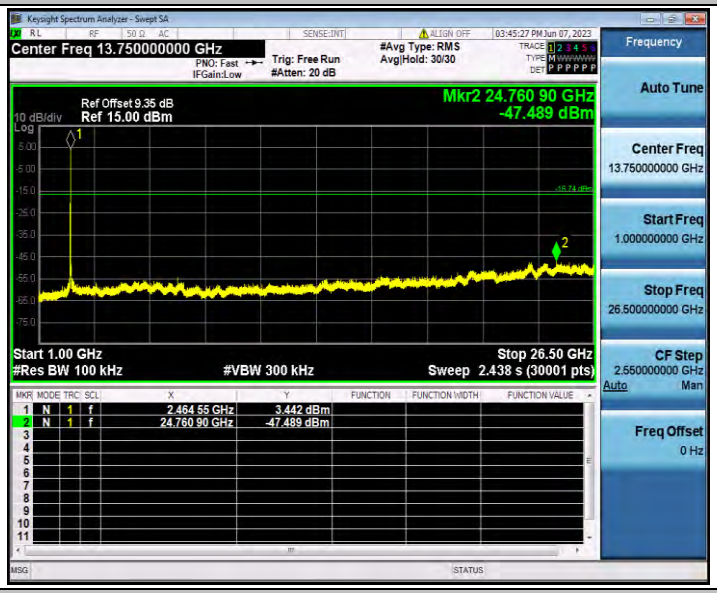
11B_Ant2_2437_30~1000



11B_Ant2_2437_1000~26500

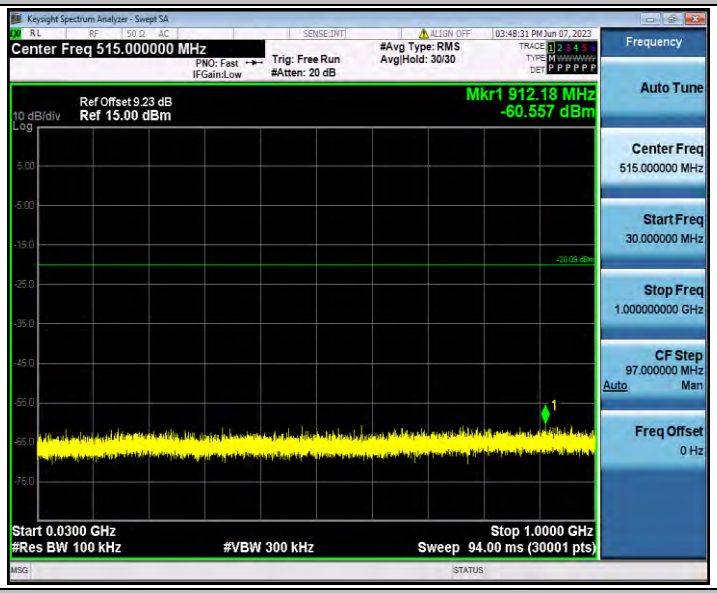
11B_Ant2_2462_0~Reference

11B_Ant2_2462_30~1000

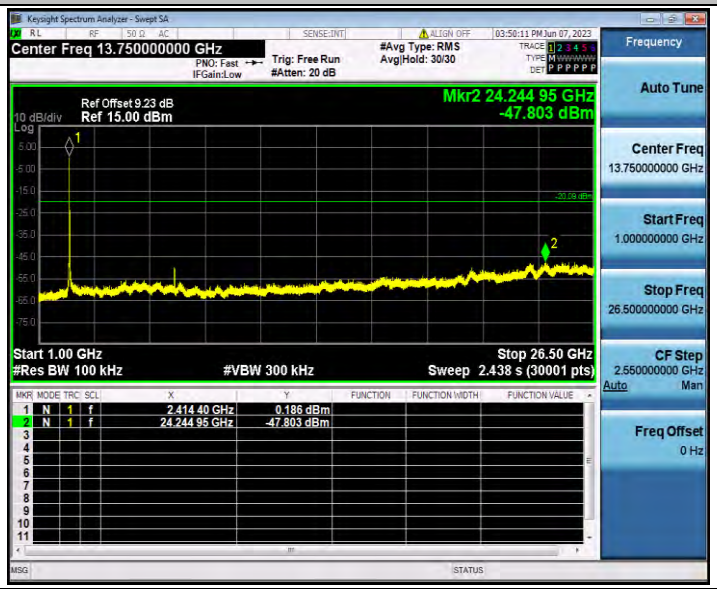


11B_Ant2_2462_1000~26500

11G_Ant2_2412_0~Reference

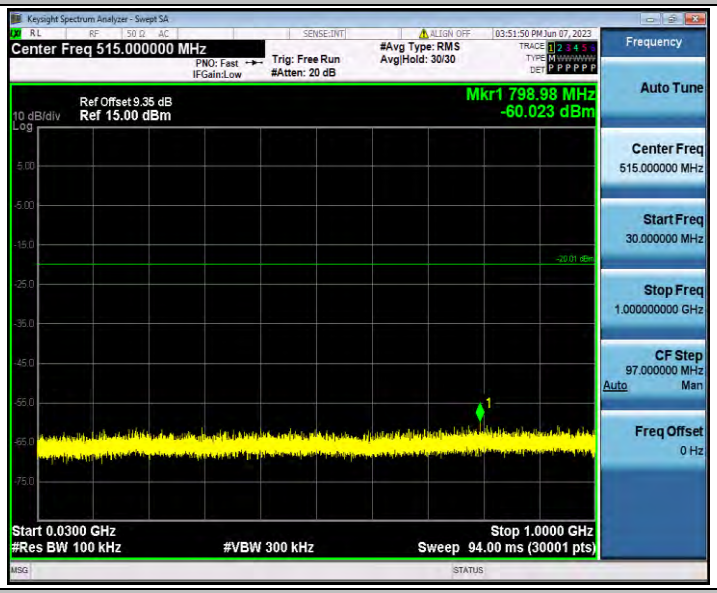


11G_Ant2_2412_30~1000



11G_Ant2_2412_1000~26500

11G_Ant2_2437_0~Reference



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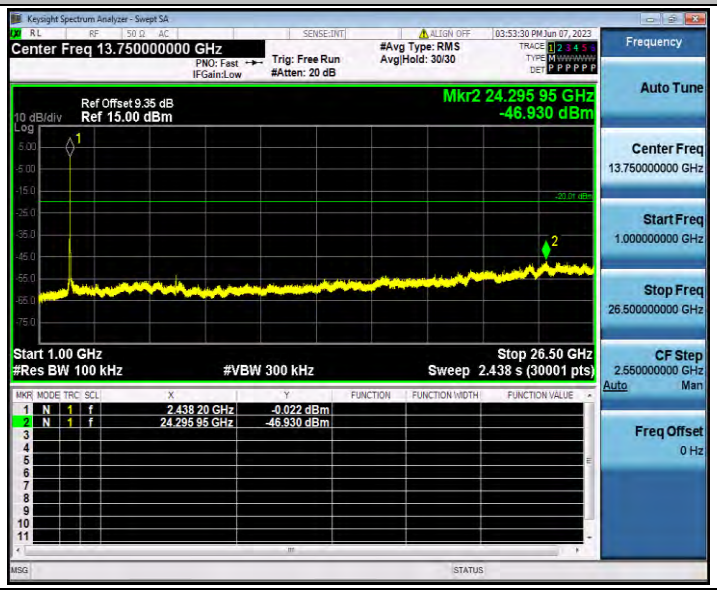
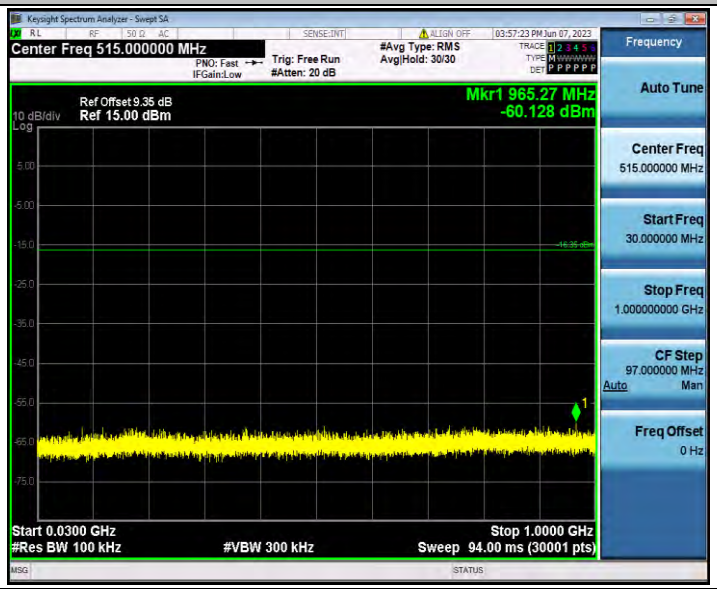


11G_Ant2_2437_1000~26500

11G_Ant2_2462_0~Reference



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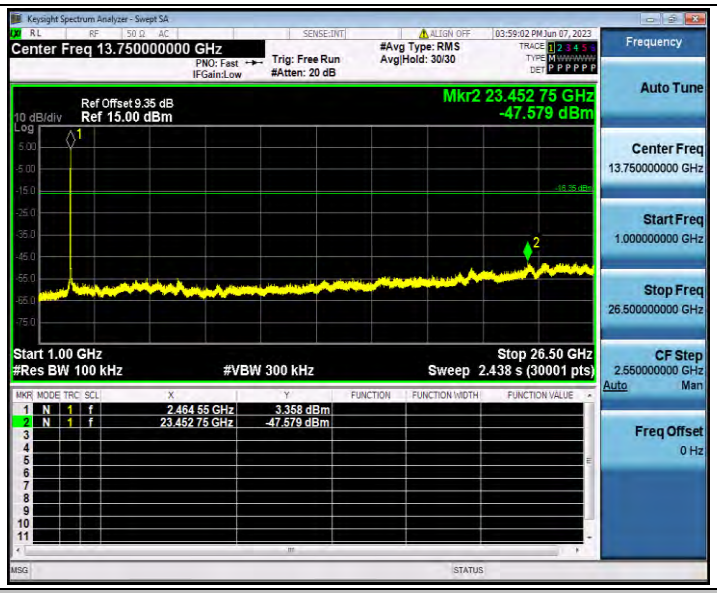
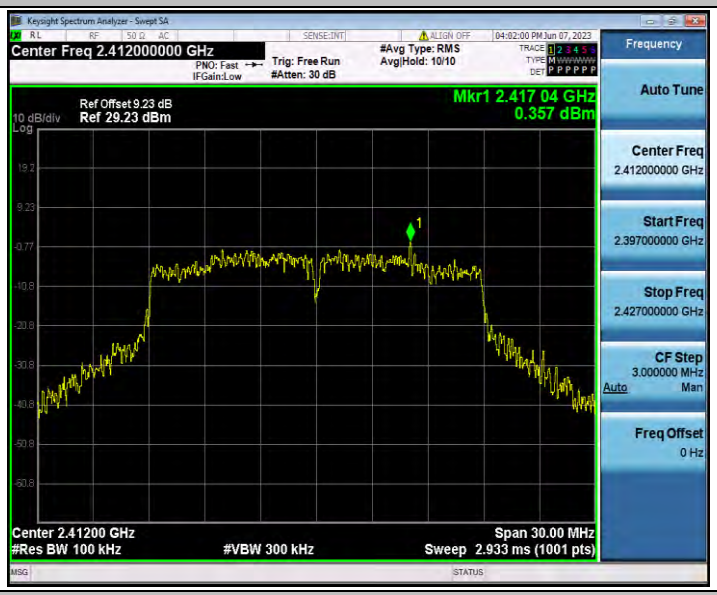
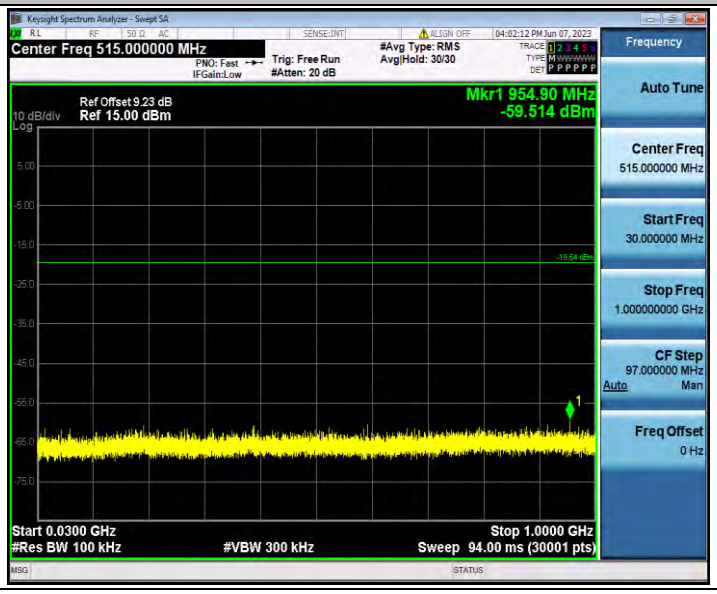


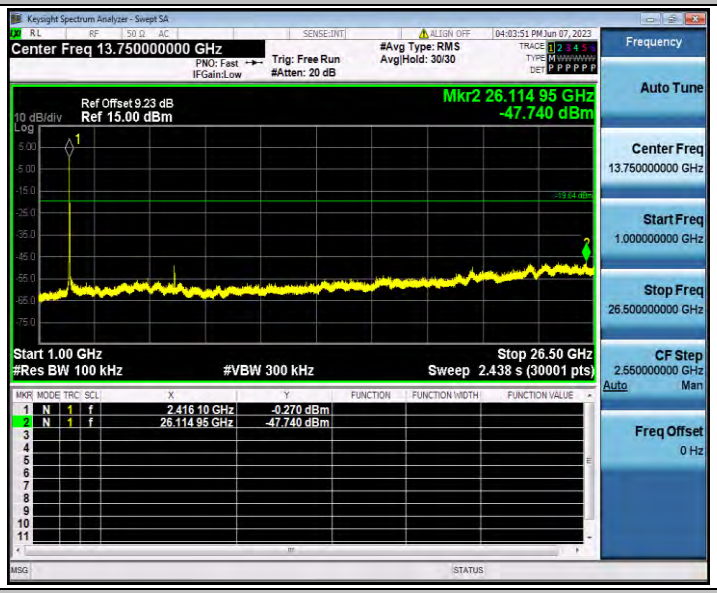
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference



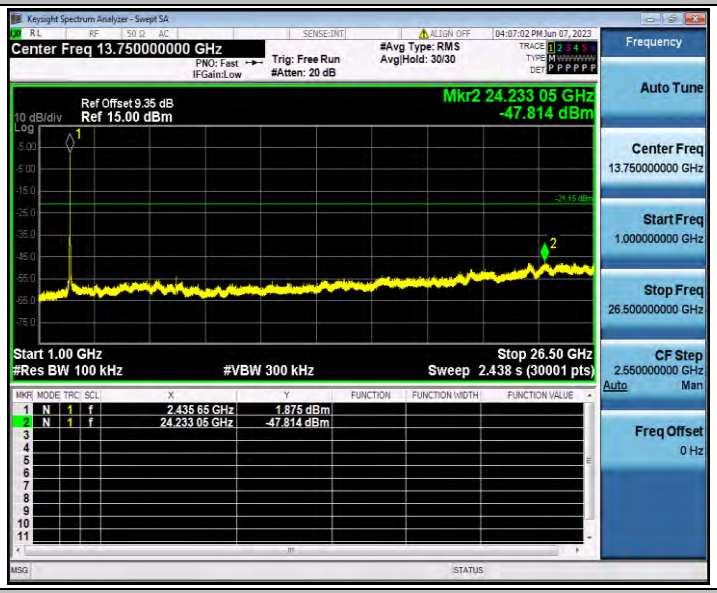
11N20SISO_Ant2_2412_30~1000



11N20SISO_Ant2_2412_1000~26500

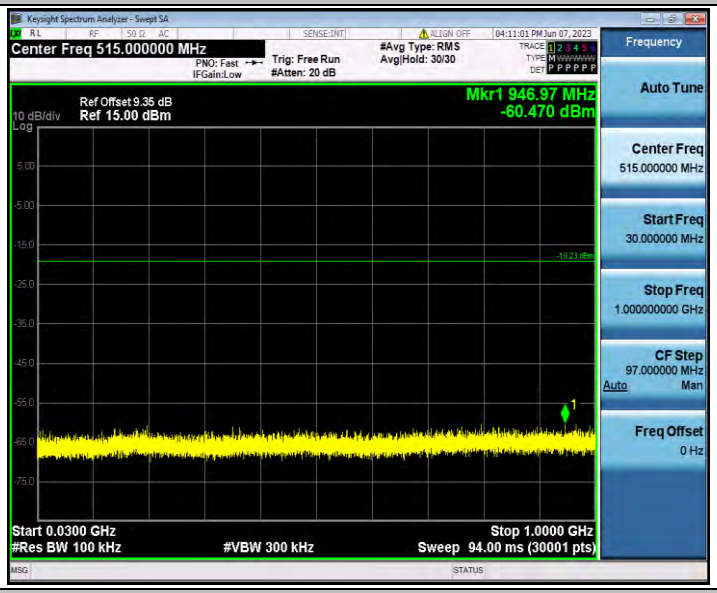
11N20SISO_Ant2_2437_0~Reference

11N20SISO_Ant2_2437_30~1000

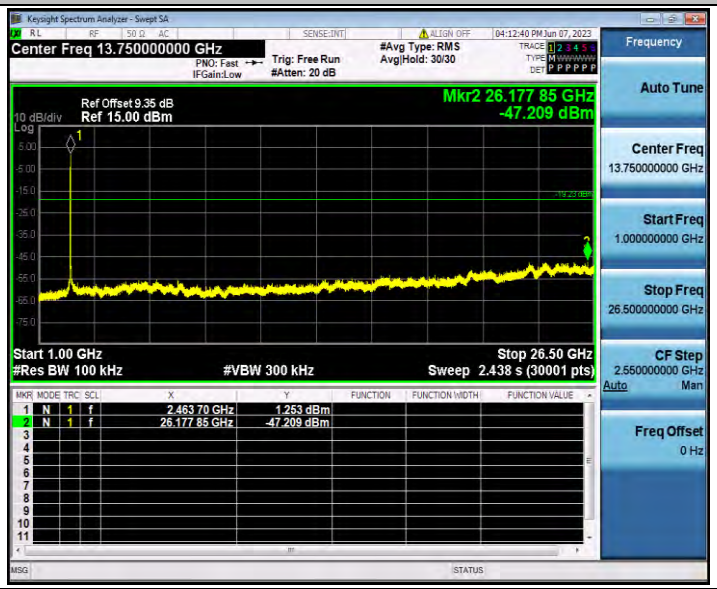


11N20SISO_Ant2_2437_1000~26500

11N20SISO_Ant2_2462_0~Reference



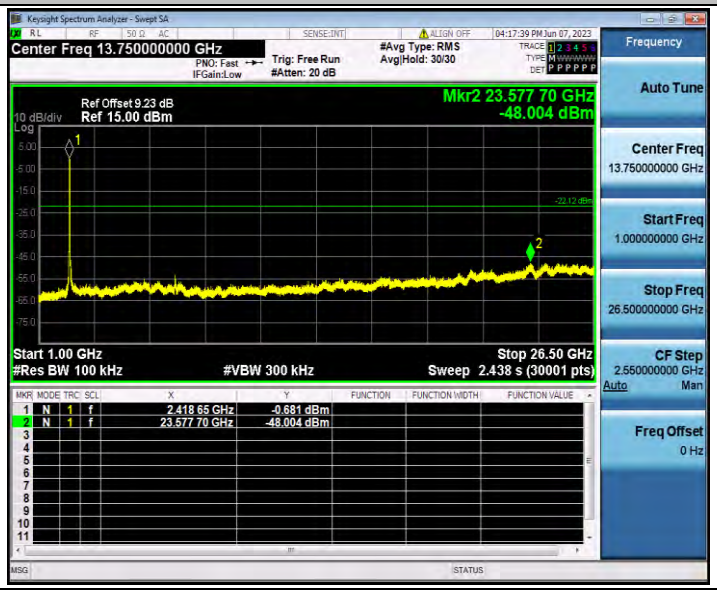
11N20SISO_Ant2_2462_30~1000



11N20SISO_Ant2_2462_1000~26500

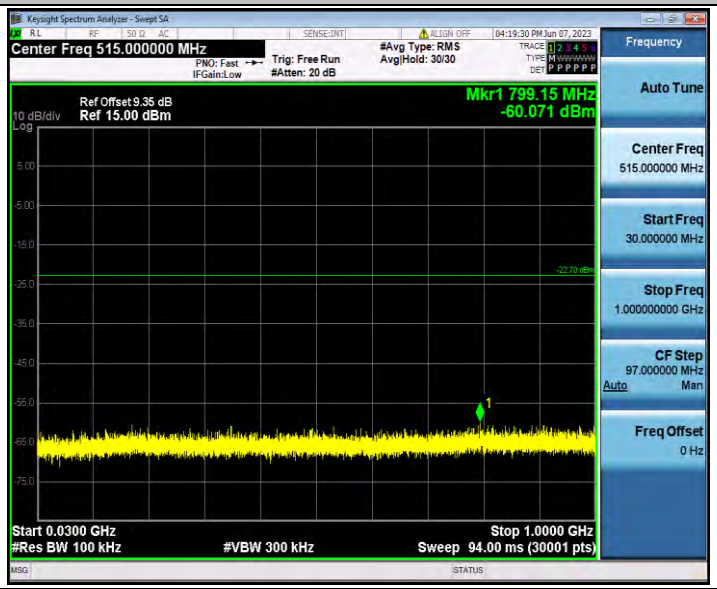
11N40SISO_Ant2_2422_0~Reference

11N40SISO_Ant2_2422_30~1000

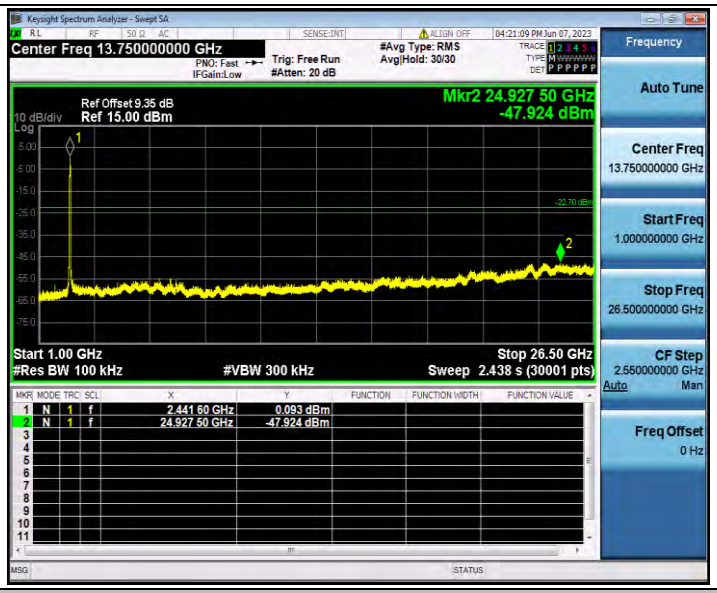


11N40SISO_Ant2_2422_1000~26500

11N40SISO_Ant2_2437_0~Reference

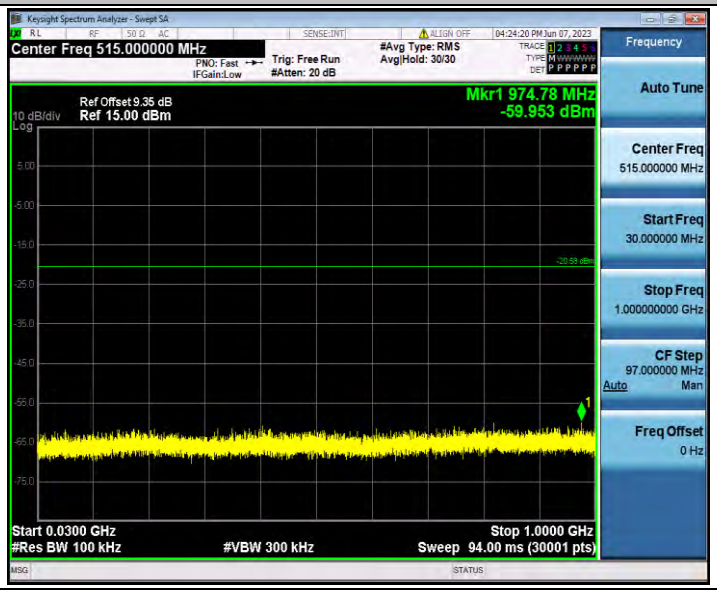


11N40SISO_Ant2_2437_30~1000



11N40SISO_Ant2_2437_1000~26500

11N40SISO_Ant2_2452_0~Reference



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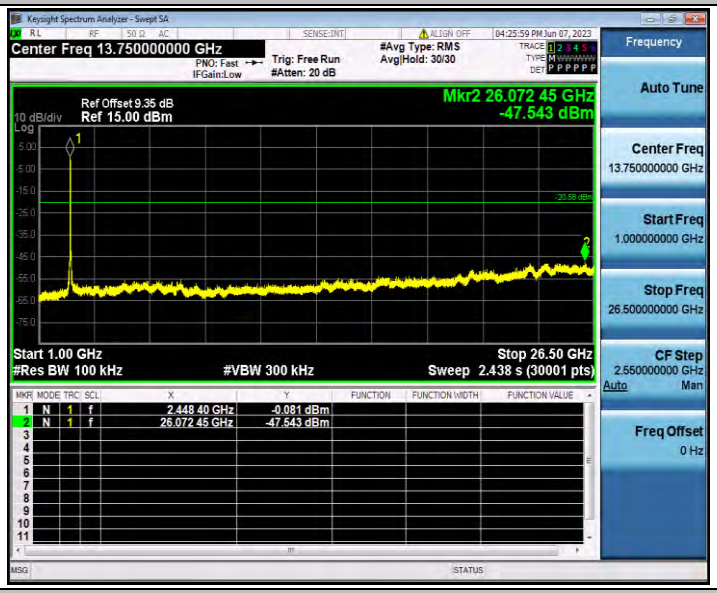

11N40SISO_Ant2_2452_1000~26500