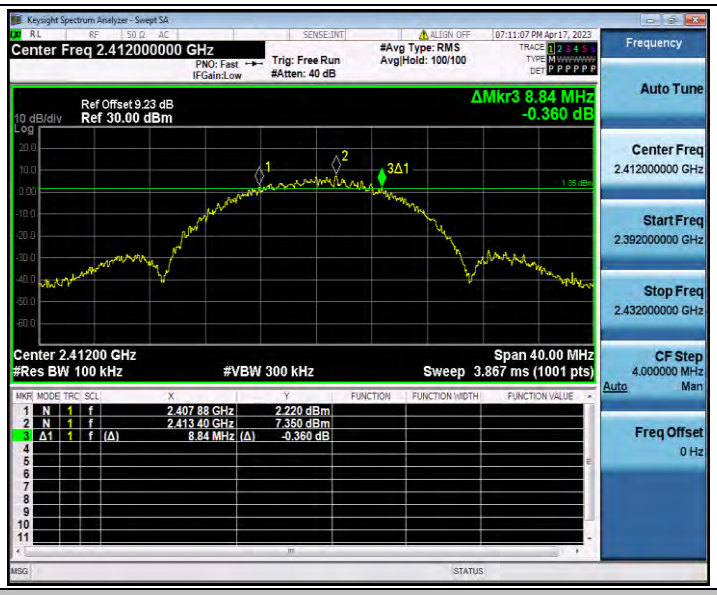
Case No. : GTS20230331013-1-7	
Ambient Condition: 23 ℃, 48 %RH, Atmos100.1Kpa,	
Test Date: 2023.4.17	**Test Engineer:** Jenny zeng

Appendix A.1: DTS Bandwidth

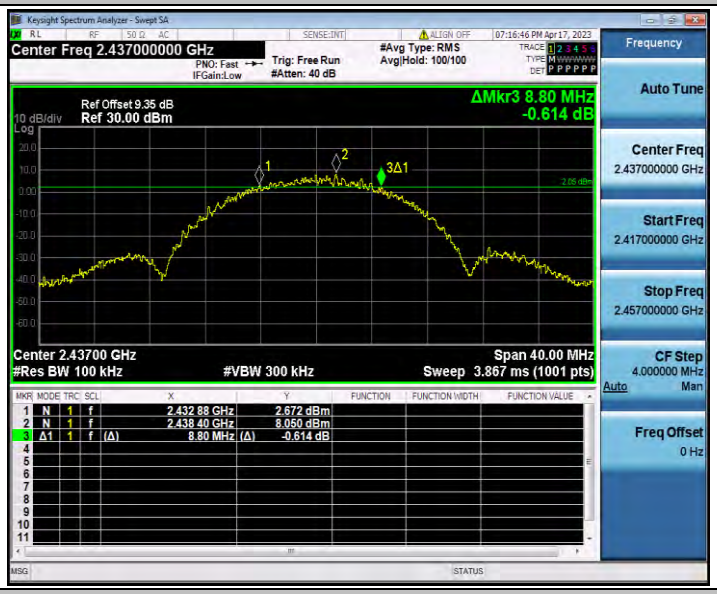
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.840	2407.880	2416.720	0.5	PASS
		2437	8.800	2432.880	2441.680	0.5	PASS
		2462	8.880	2457.840	2466.720	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.760	2453.080	2470.840	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.880	2440.160	0.5	PASS
		2437	35.440	2419.400	2454.840	0.5	PASS
		2452	35.760	2434.400	2470.160	0.5	PASS

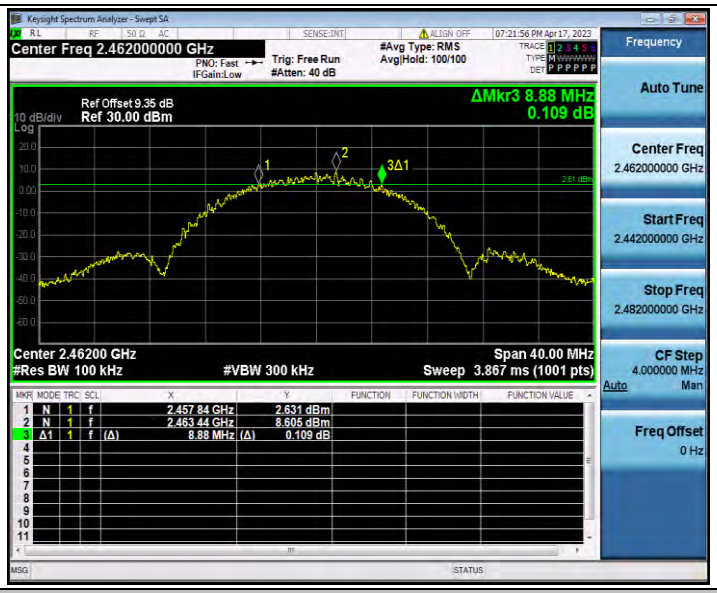
Test Graphs



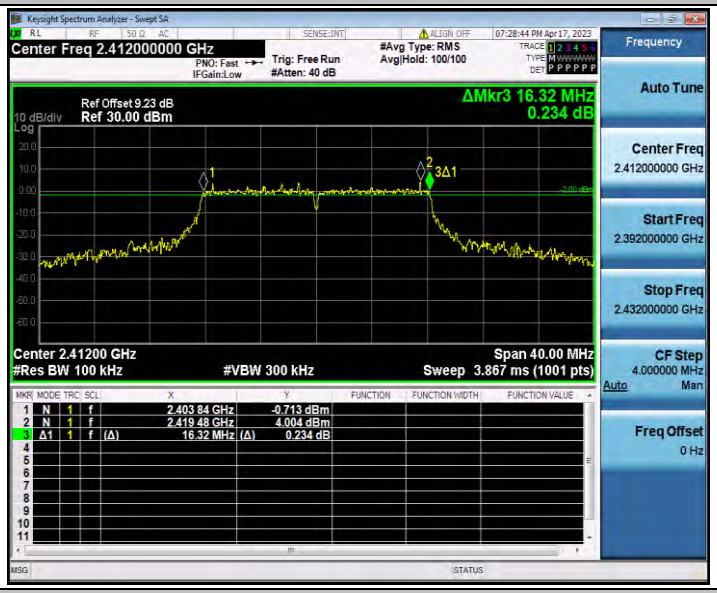
11B_Ant1_2412



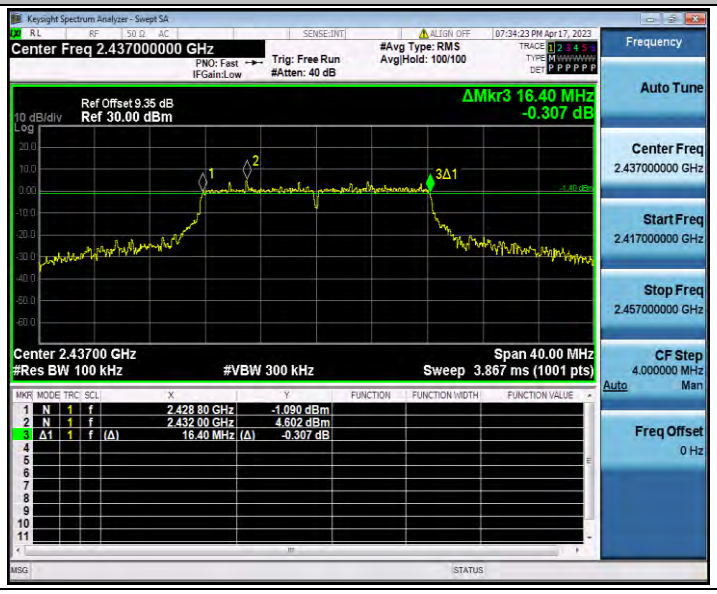
11B_Ant1_2437

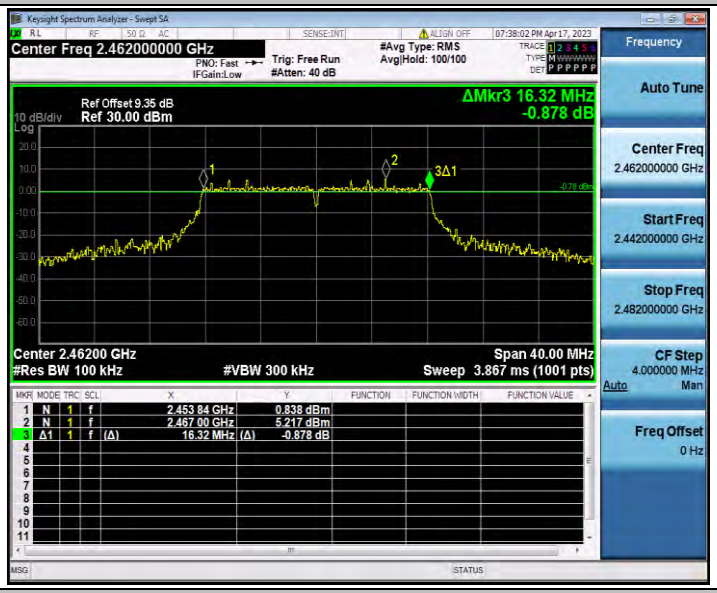


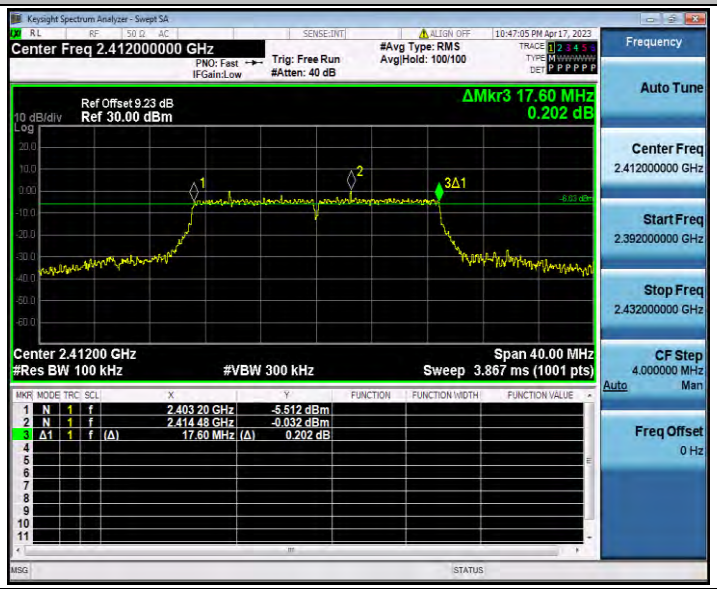
11B_Ant1_2462



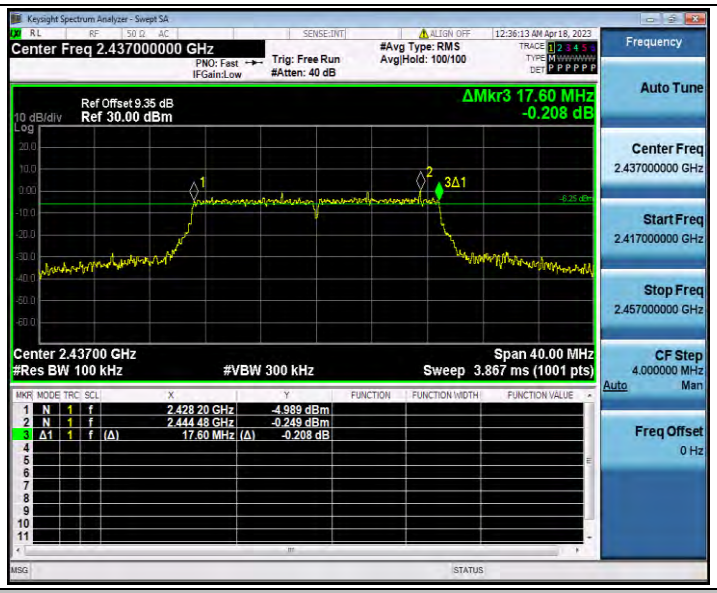
11G_Ant1_2412



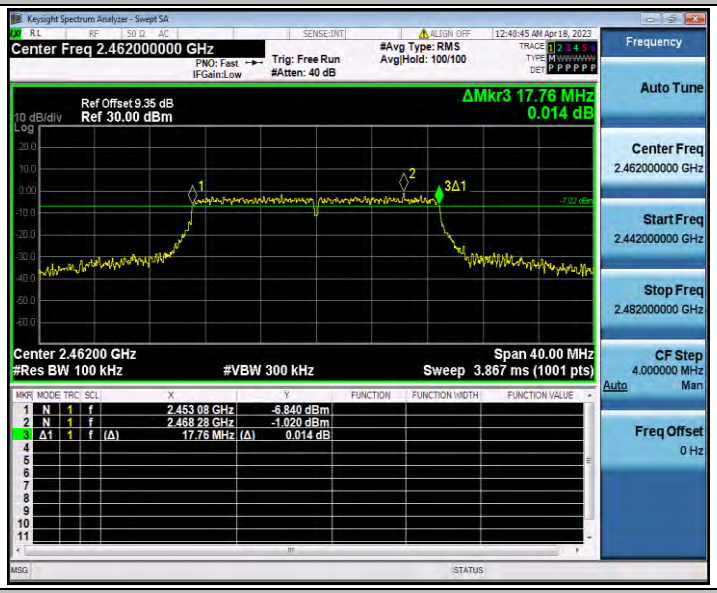
11G_Ant1_2437


11G_Ant1_2462


11N20SISO_Ant1_2412

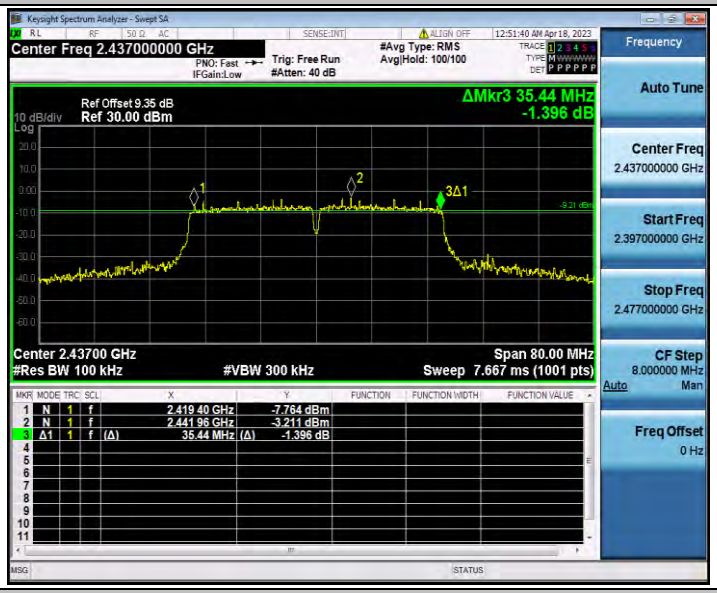


11N20SISO_Ant1_2437

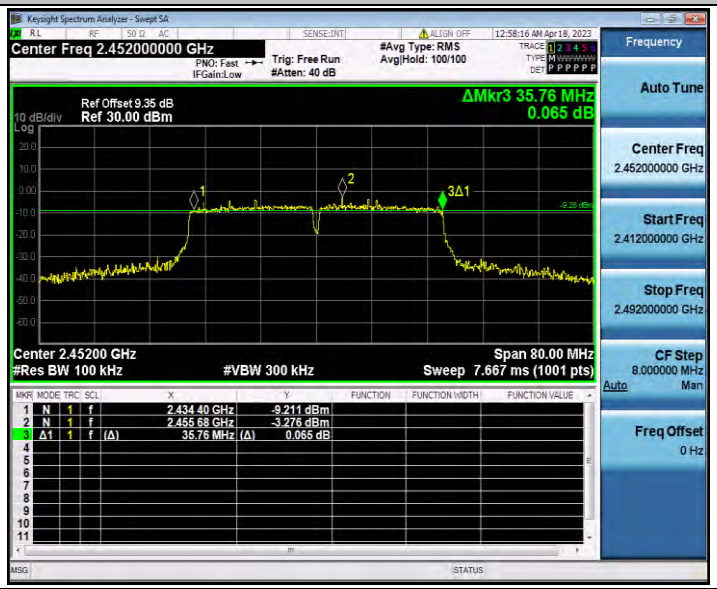


11N20SISO_Ant1_2462

11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix A.2: Occupied Channel Bandwidth

Test Result

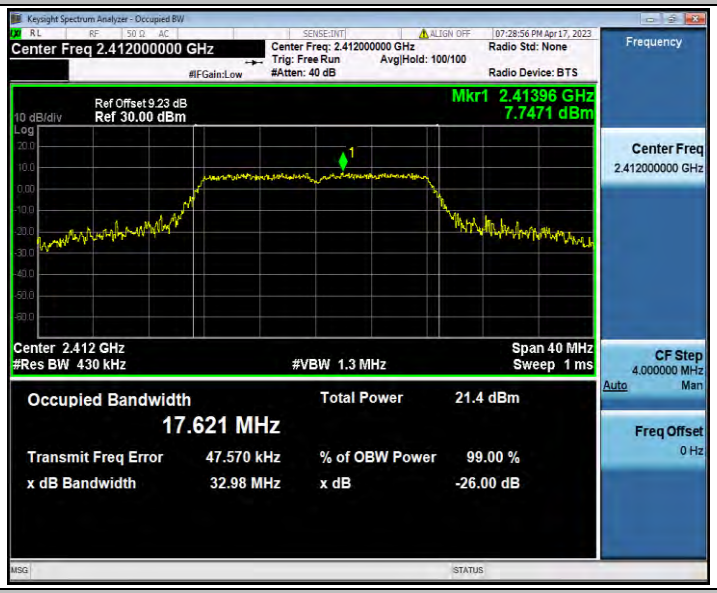
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.963	2404.541	2419.504	---	---
		2437	14.924	2429.579	2444.503	---	---
		2462	14.879	2454.554	2469.433	---	---
11G	Ant1	2412	17.621	2403.237	2420.858	---	---
		2437	17.649	2428.189	2445.838	---	---
		2462	17.565	2453.195	2470.760	---	---
11N20SISO	Ant1	2412	18.372	2402.846	2421.218	---	---
		2437	18.345	2427.852	2446.197	---	---
		2462	18.312	2452.854	2471.166	---	---
11N40SISO	Ant1	2422	36.658	2403.714	2440.372	---	---
		2437	36.688	2418.724	2455.412	---	---
		2452	36.584	2433.739	2470.323	---	---

Test Graphs

11B_Ant1_2412

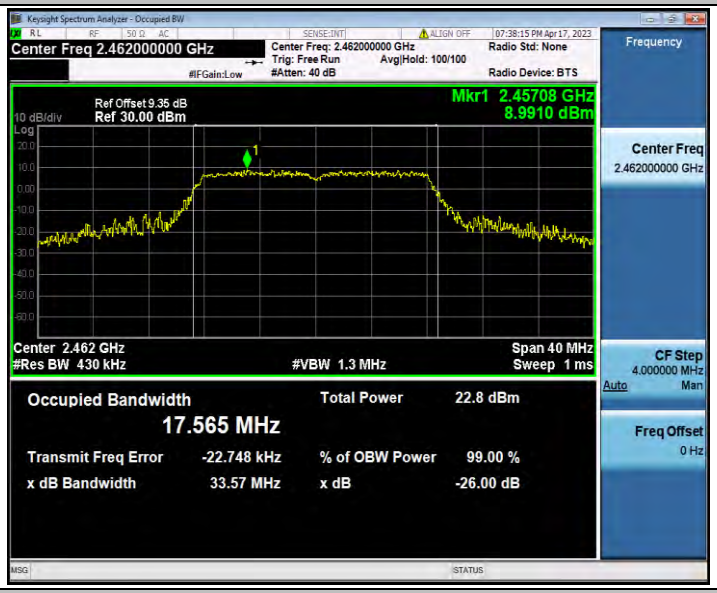
11B_Ant1_2437

11B_Ant1_2462



11G_Ant1_2412

11G_Ant1_2437



11G_Ant1_2462

11N20SISO_Ant1_2412

11N20SISO_Ant1_2437

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2437

11N40SISO_Ant1_2452

Appendix A.3: Maximum conducted output power

Test Result Peak

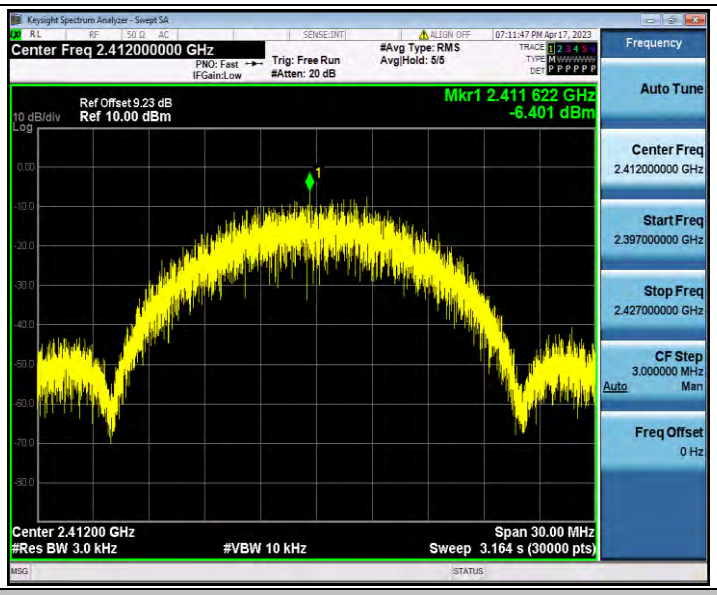
TestMode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	21.66	≤30.00	PASS
		2437	22.27	≤30.00	PASS
		2462	22.74	≤30.00	PASS
11G	Ant1	2412	22.73	≤30.00	PASS
		2437	23.44	≤30.00	PASS
		2462	23.96	≤30.00	PASS
11N20SISO	Ant1	2412	18.55	≤30.00	PASS
		2437	18.73	≤30.00	PASS
		2462	19.21	≤30.00	PASS
11N40SISO	Ant1	2422	17.63	≤30.00	PASS
		2437	17.99	≤30.00	PASS
		2452	18.21	≤30.00	PASS

Appendix A.4: Maximum power spectral density

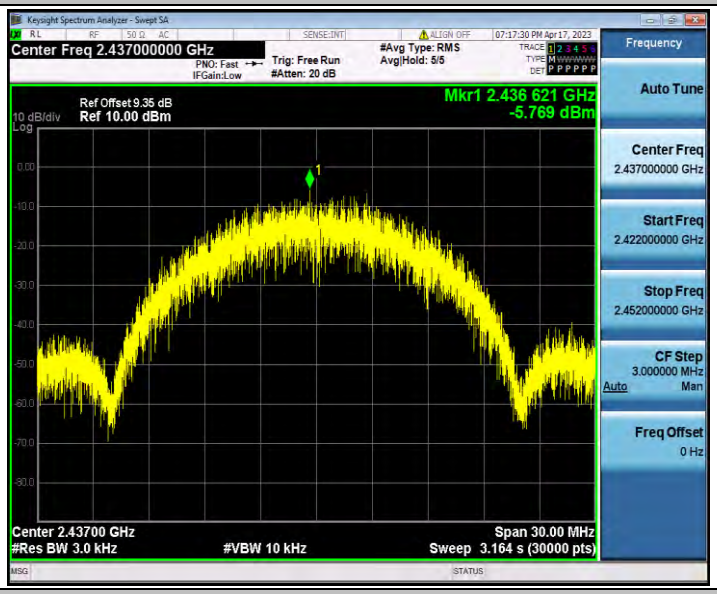
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.4	≤8.00	PASS
		2437	-5.77	≤8.00	PASS
		2462	-5.25	≤8.00	PASS
11G	Ant1	2412	-11.69	≤8.00	PASS
		2437	-10.54	≤8.00	PASS
		2462	-10.16	≤8.00	PASS
11N20SISO	Ant1	2412	-16.3	≤8.00	PASS
		2437	-14.94	≤8.00	PASS
		2462	-15.33	≤8.00	PASS
11N40SISO	Ant1	2422	-19.36	≤8.00	PASS
		2437	-17.76	≤8.00	PASS
		2452	-18.74	≤8.00	PASS

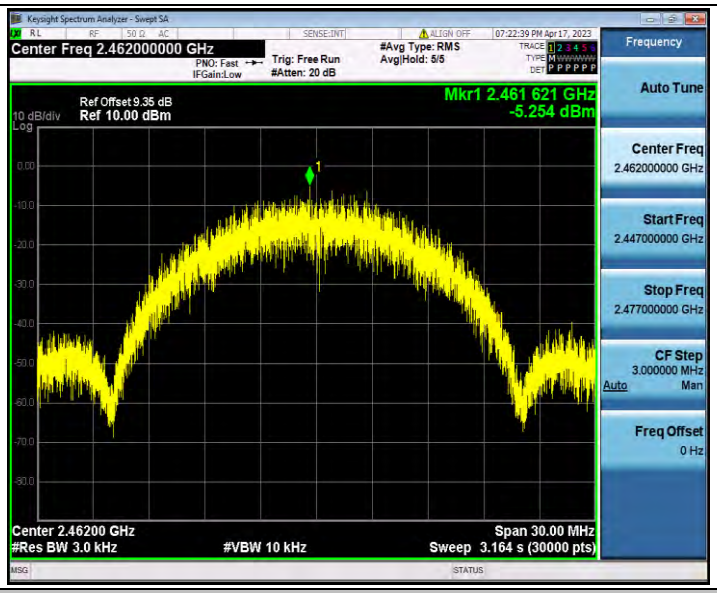
Test Graphs



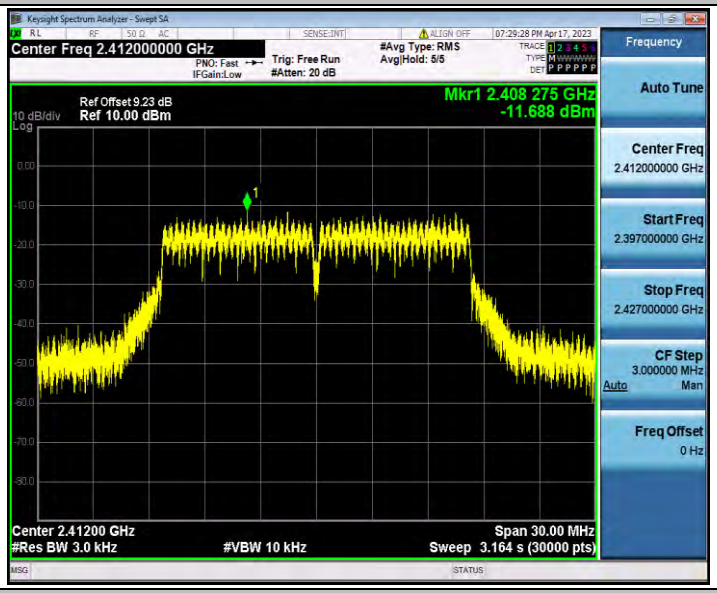
11B_Ant1_2412



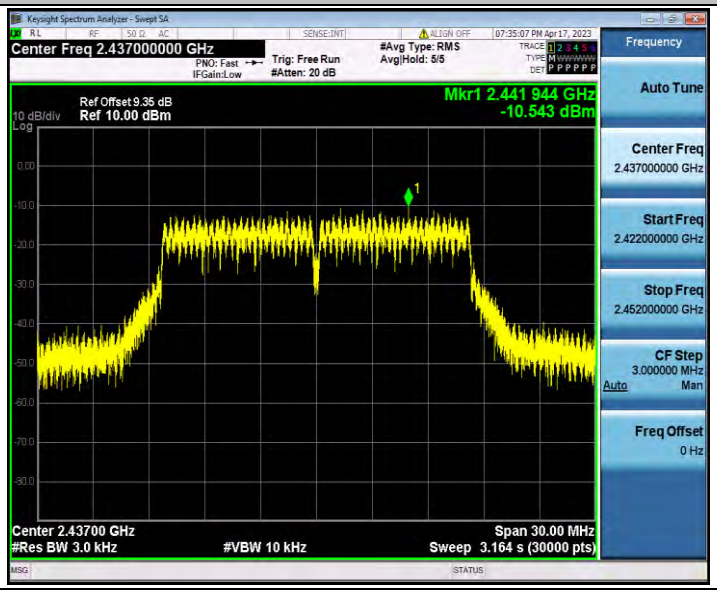
11B_Ant1_2437

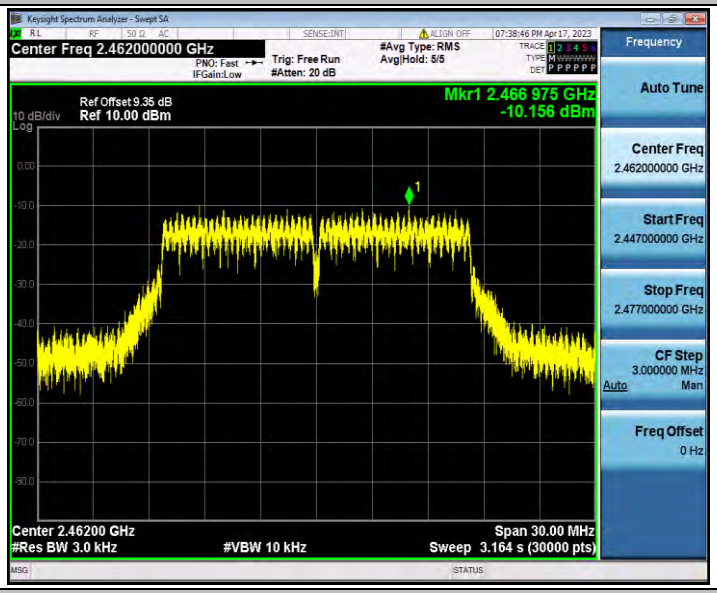
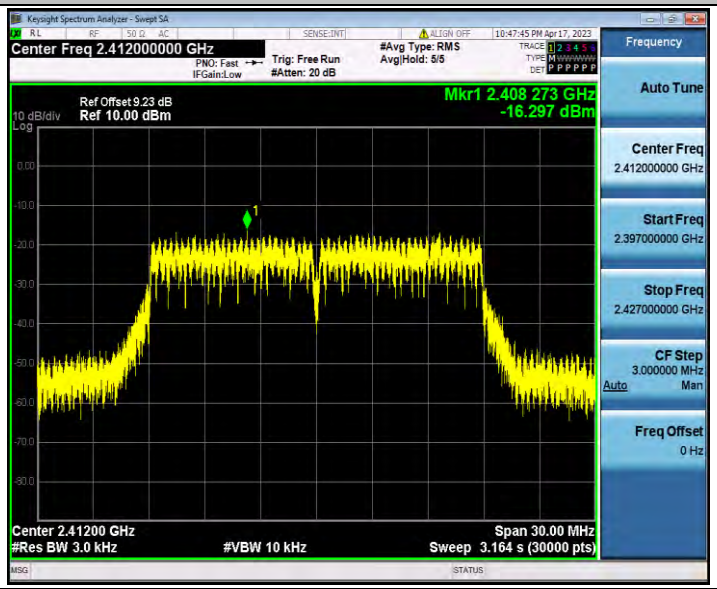


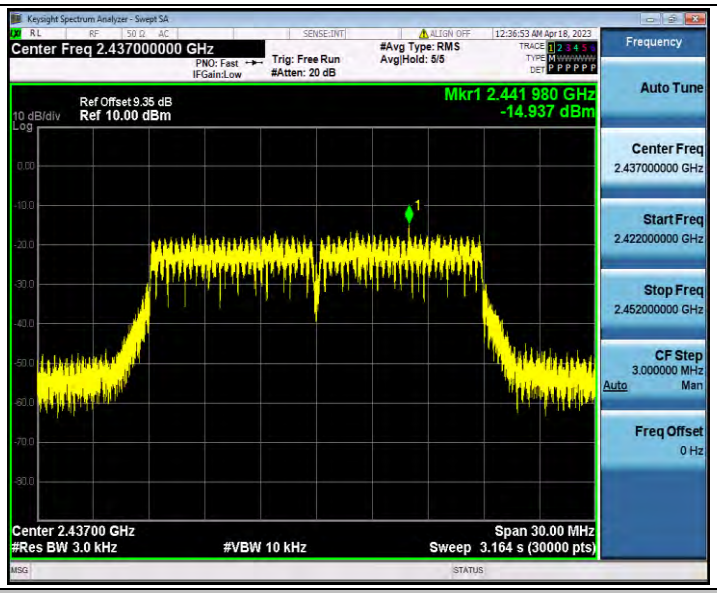
11B_Ant1_2462



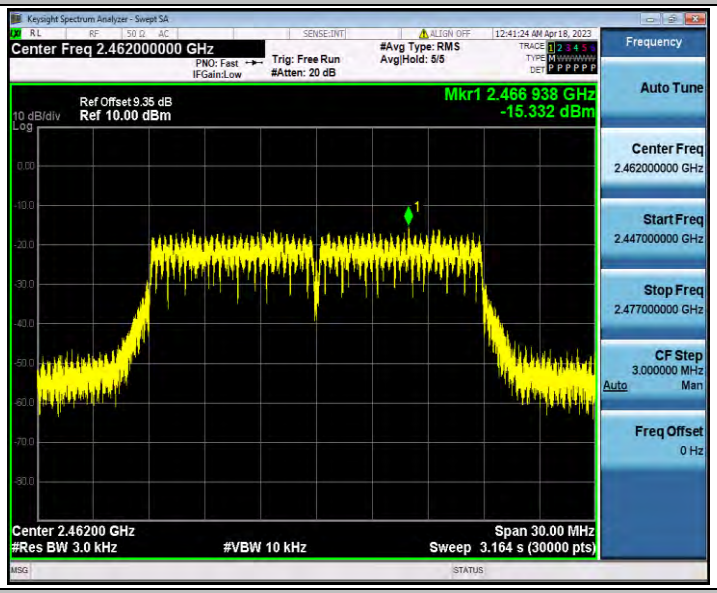
11G_Ant1_2412



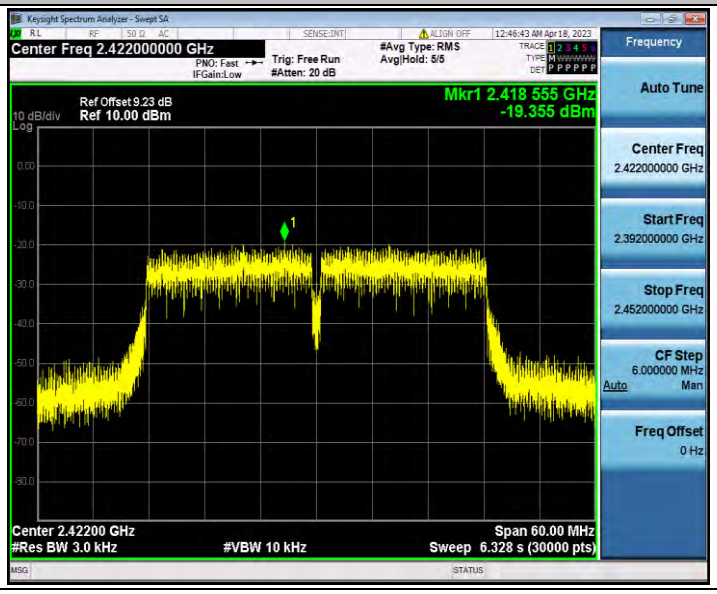
11G_Ant1_2437

11G_Ant1_2462

11N20SISO_Ant1_2412



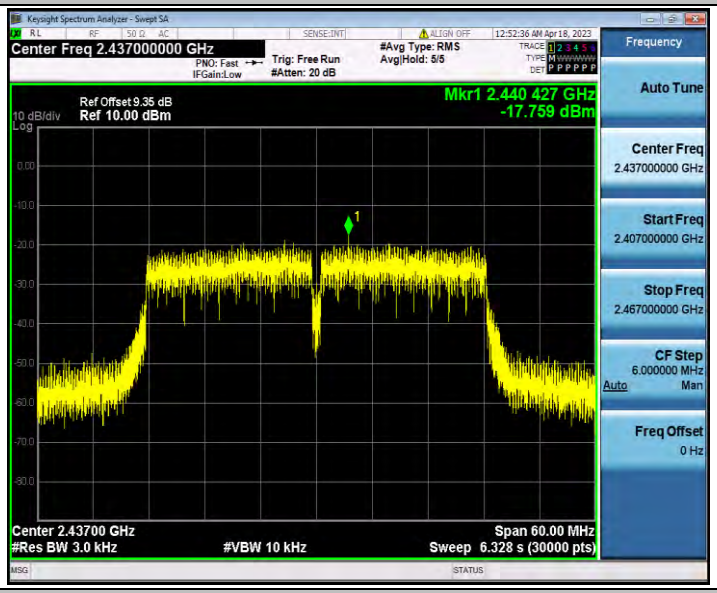
11N20SISO_Ant1_2437



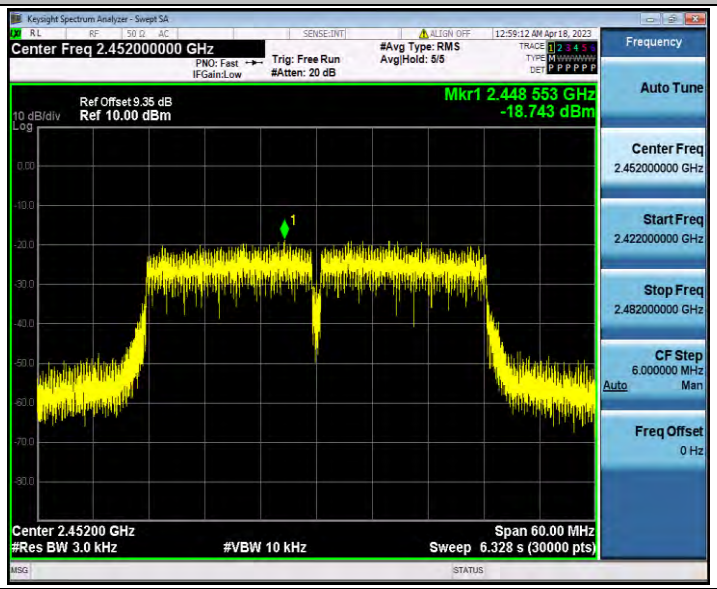
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



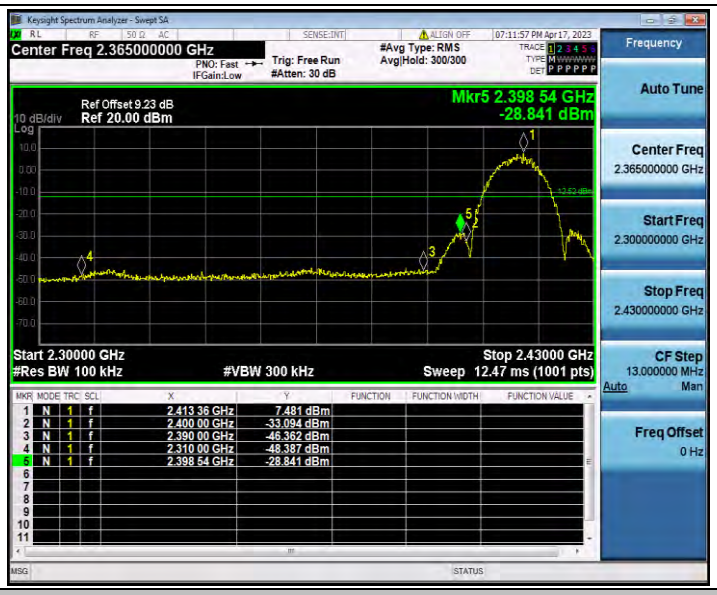
11N40SISO_Ant1_2452

Appendix A.5: Band edge measurements

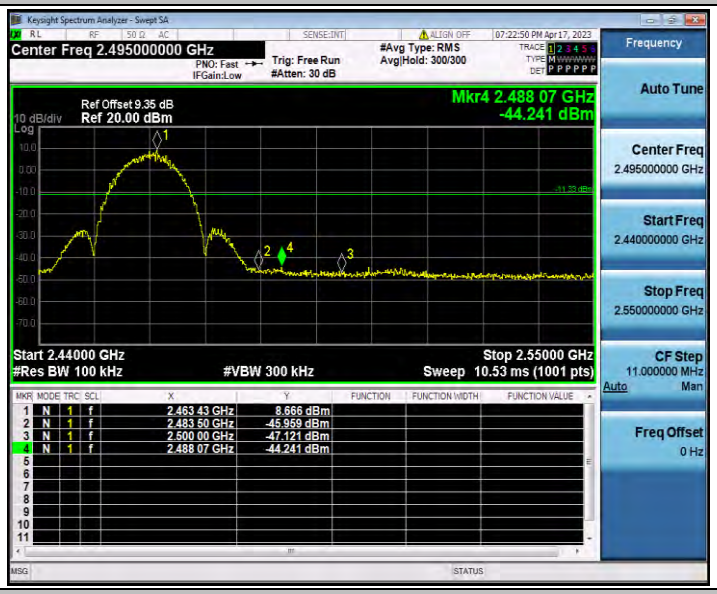
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.48	-28.84	≤-12.52	PASS
		High	2462	8.67	-44.24	≤-11.33	PASS
11G	Ant1	Low	2412	3.89	-22.5	≤-16.11	PASS
		High	2462	5.34	-30.94	≤-14.66	PASS
11N20SISO	Ant1	Low	2412	0.02	-29.45	≤-19.98	PASS
		High	2462	-4.56	-43.08	≤-24.56	PASS
11N40SISO	Ant1	Low	2422	-3.74	-33.2	≤-23.74	PASS
		High	2452	-3.09	-35.79	≤-23.09	PASS

Test Graphs

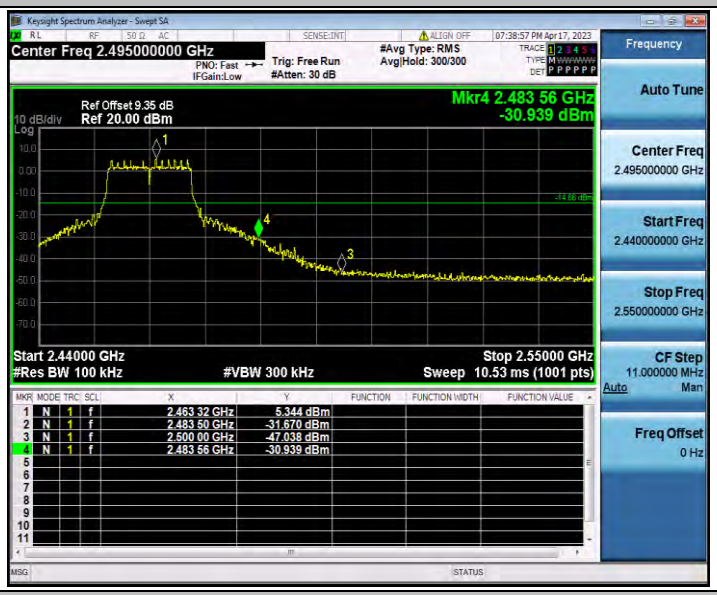


11B_Ant1_Low_2412

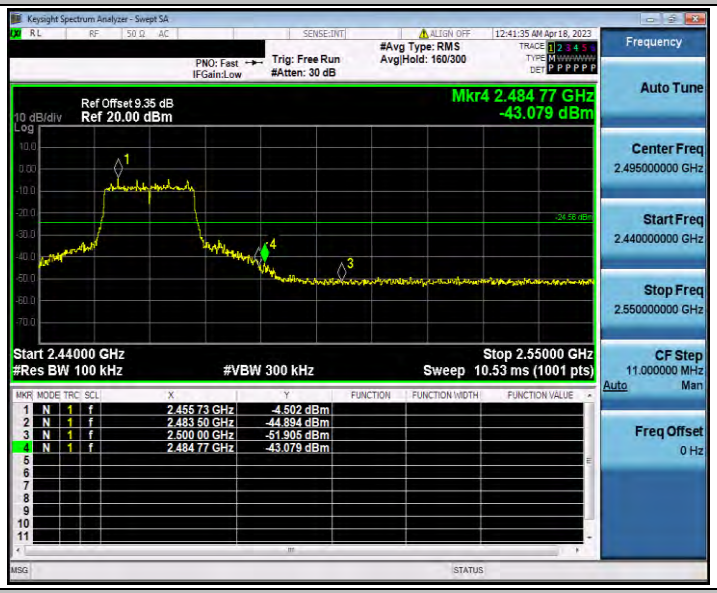


11B_Ant1_High_2462

11G_Ant1_Low_2412



11G_Ant1_High_2462

11N20SISO_Ant1_Low_2412


11N20SISO_Ant1_High_2462

11N40SISO_Ant1_Low_2422

11N40SISO_Ant1_High_2452

Appendix A.6: Conducted Spurious Emission

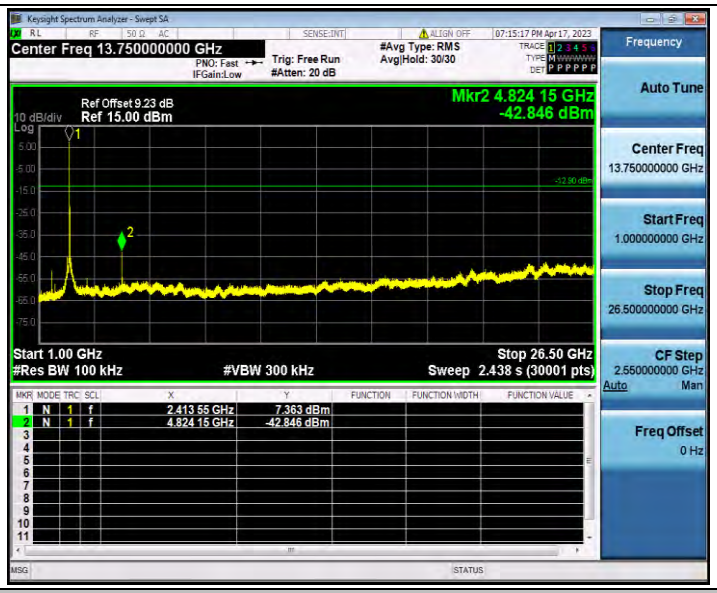
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.10	7.10	---	PASS
			30~1000	7.10	-59.19	≤-12.9	PASS
			1000~26500	7.10	-42.85	≤-12.9	PASS
		2437	Reference	8.14	8.14	---	PASS
			30~1000	8.14	-57.72	≤-11.86	PASS
			1000~26500	8.14	-44.92	≤-11.86	PASS
		2462	Reference	6.95	6.95	---	PASS
			30~1000	6.95	-59.61	≤-13.05	PASS
			1000~26500	6.95	-47.57	≤-13.05	PASS
11G	Ant1	2412	Reference	1.11	1.11	---	PASS
			30~1000	1.11	-59.86	≤-18.89	PASS
			1000~26500	1.11	-47.67	≤-18.89	PASS
		2437	Reference	4.50	4.50	---	PASS
			30~1000	4.50	-56.98	≤-15.5	PASS
			1000~26500	4.50	-47.52	≤-15.5	PASS
		2462	Reference	4.06	4.06	---	PASS
			30~1000	4.06	-60.35	≤-15.94	PASS
			1000~26500	4.06	-47.48	≤-15.94	PASS
11N20SISO	Ant1	2412	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-60.47	≤-20.53	PASS
			1000~26500	-0.53	-47.85	≤-20.53	PASS
		2437	Reference	-2.90	-2.90	---	PASS
			30~1000	-2.90	-60.23	≤-22.9	PASS
			1000~26500	-2.90	-47.12	≤-22.9	PASS
		2462	Reference	-8.14	-8.14	---	PASS
			30~1000	-8.14	-60.38	≤-28.14	PASS
			1000~26500	-8.14	-47.38	≤-28.14	PASS
11N40SISO	Ant1	2422	Reference	-7.97	-7.97	---	PASS
			30~1000	-7.97	-53.83	≤-27.97	PASS
			1000~26500	-7.97	-47.09	≤-27.97	PASS
		2437	Reference	-4.97	-4.97	---	PASS
			30~1000	-4.97	-58.17	≤-24.97	PASS
			1000~26500	-4.97	-47.86	≤-24.97	PASS
		2452	Reference	-8.70	-8.70	---	PASS
			30~1000	-8.70	-60.6	≤-28.7	PASS
			1000~26500	-8.70	-47.75	≤-28.7	PASS

Test Graphs

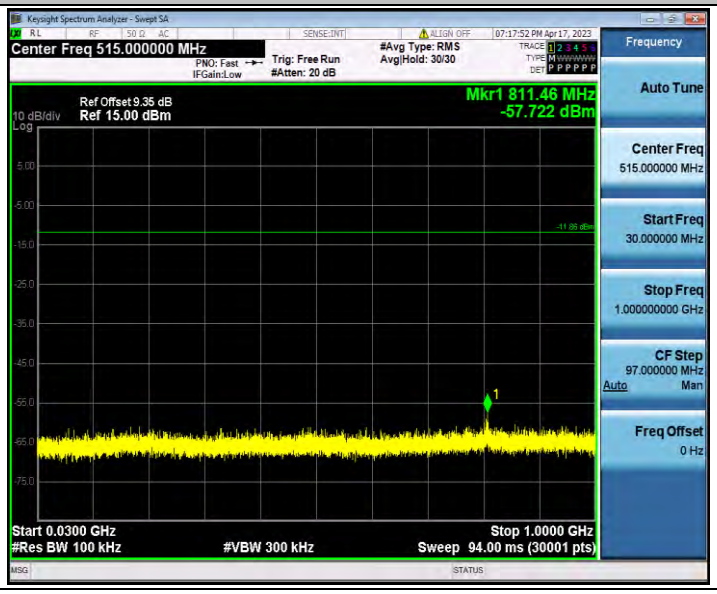
11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

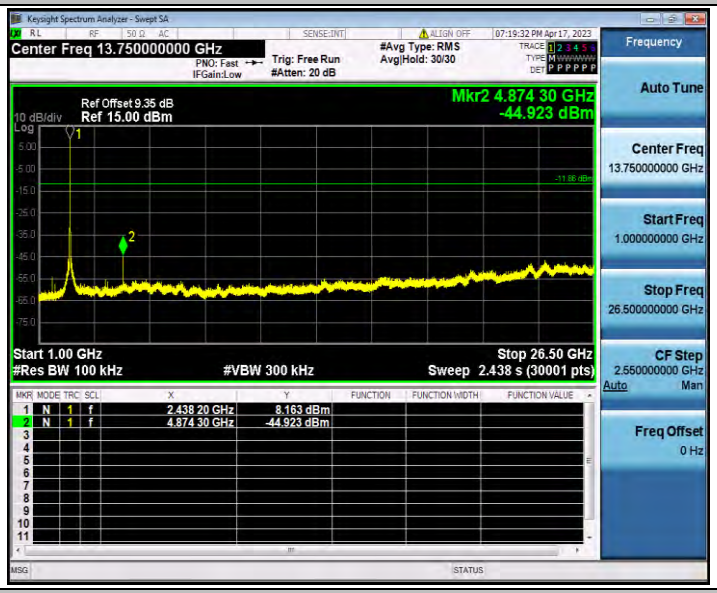


11B_Ant1_2412_1000~26500

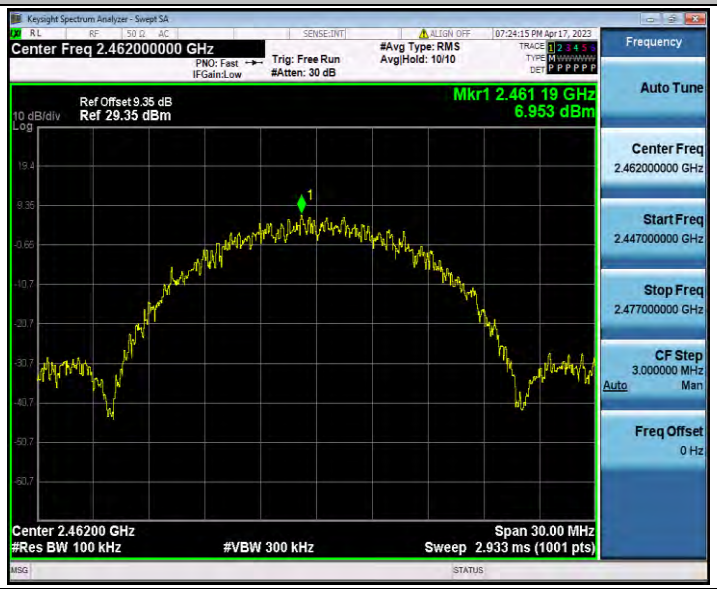
11B_Ant1_2437_0~Reference



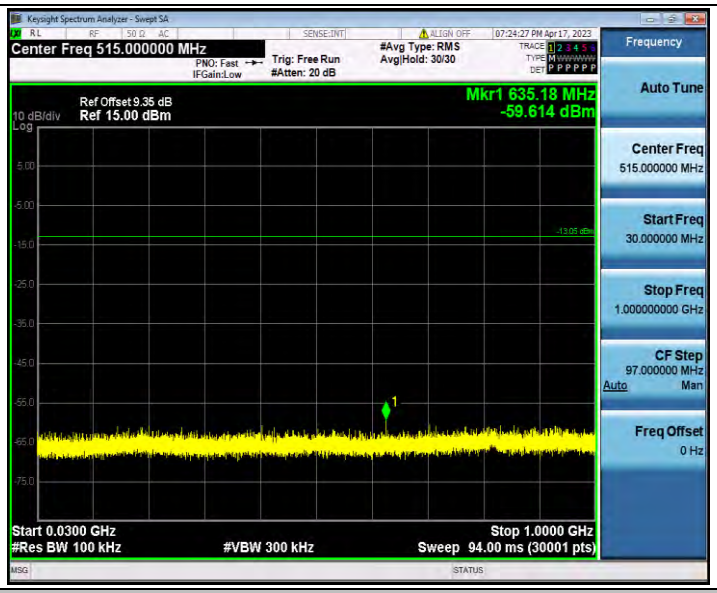
11B_Ant1_2437_30~1000



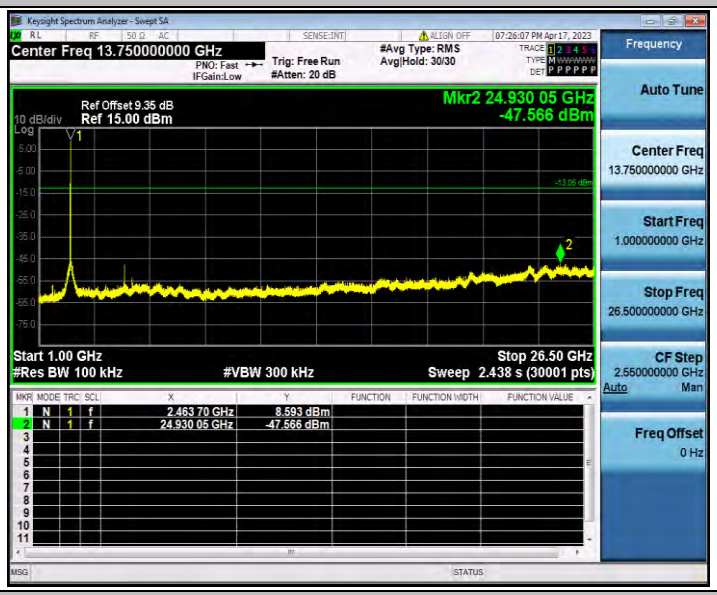
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



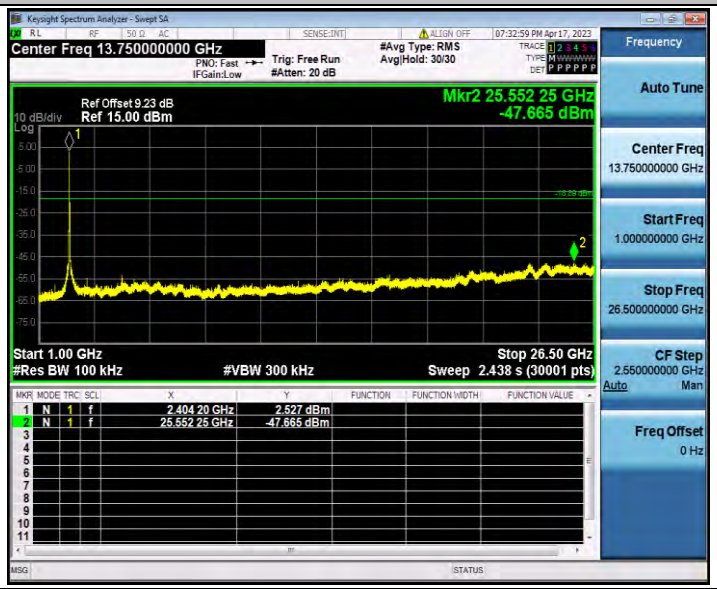
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

11G_Ant1_2412_0~Reference

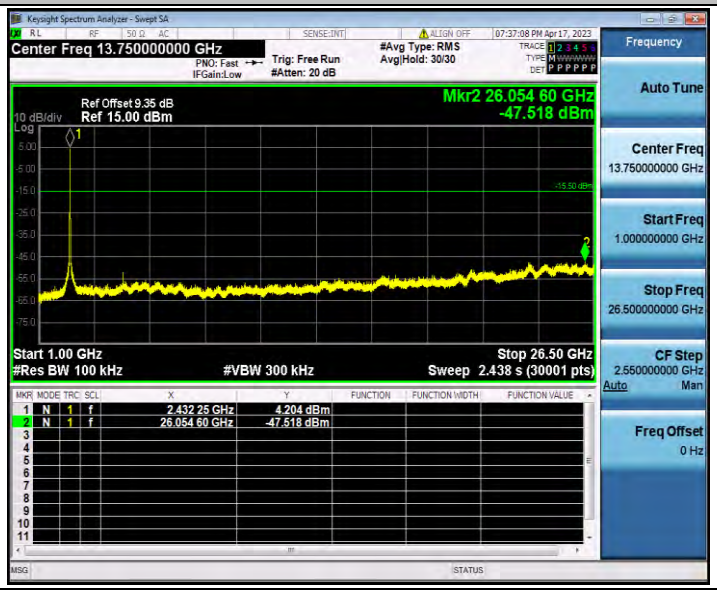
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500

11G_Ant1_2437_0~Reference

11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

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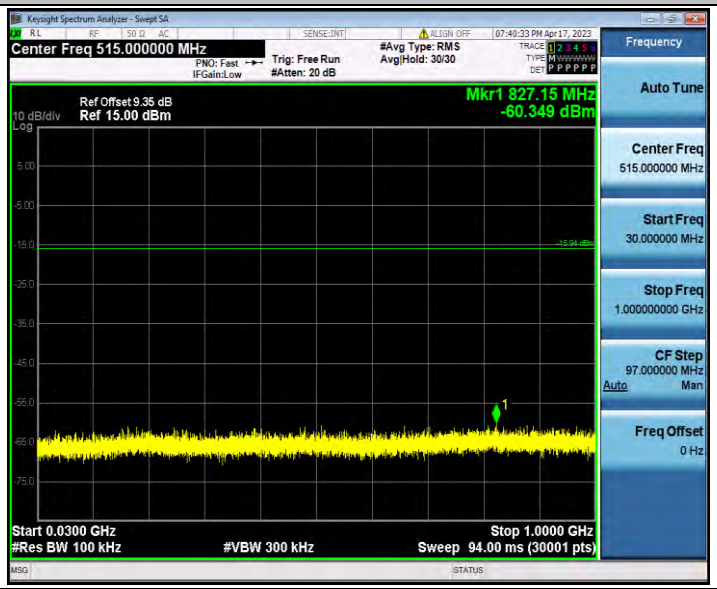

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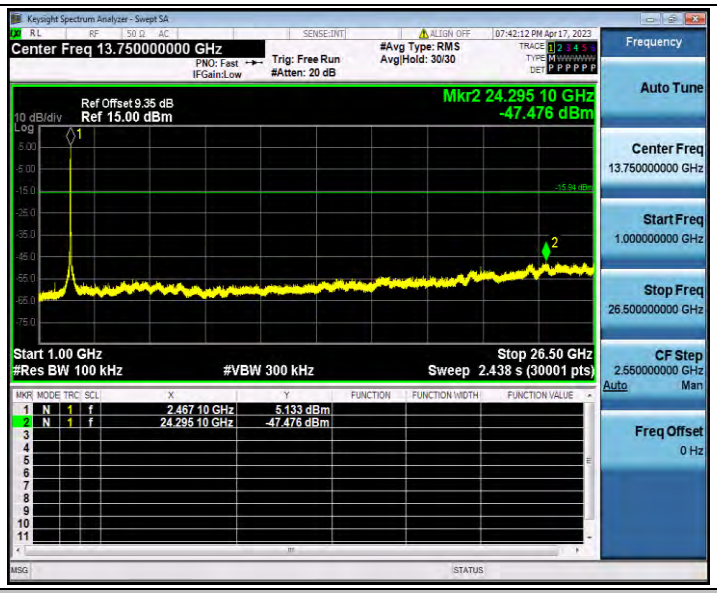
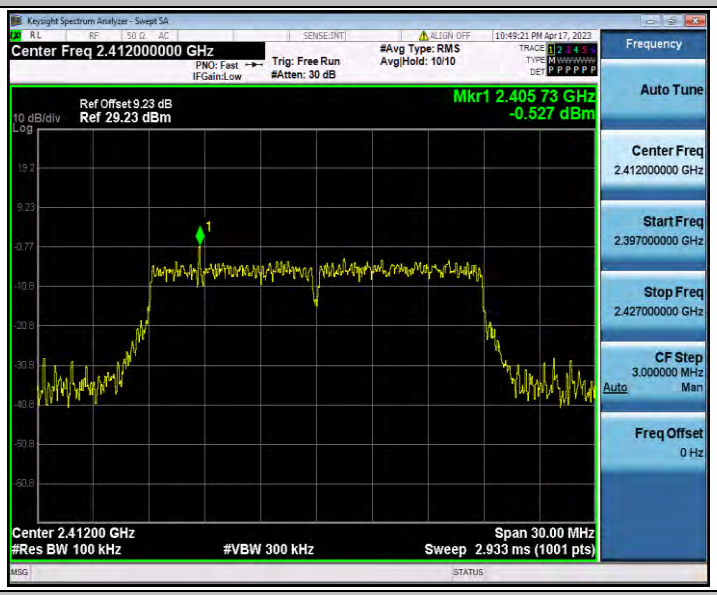
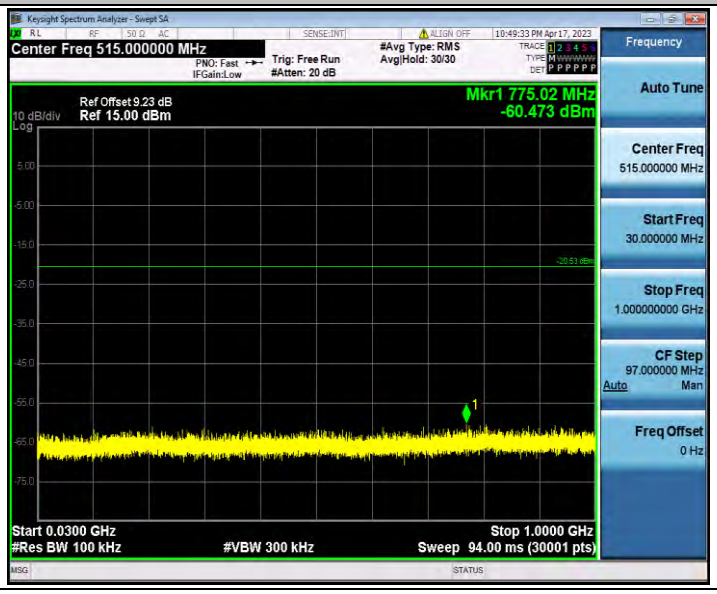


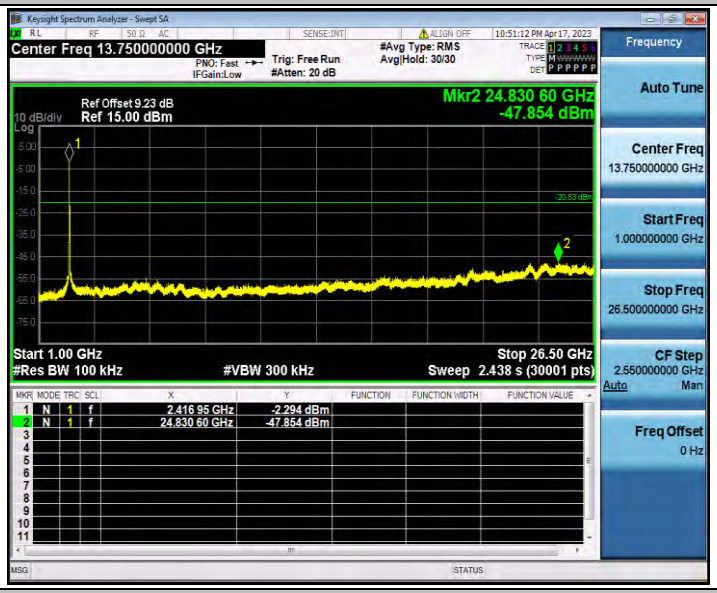
11G_Ant1_2462_1000~26500



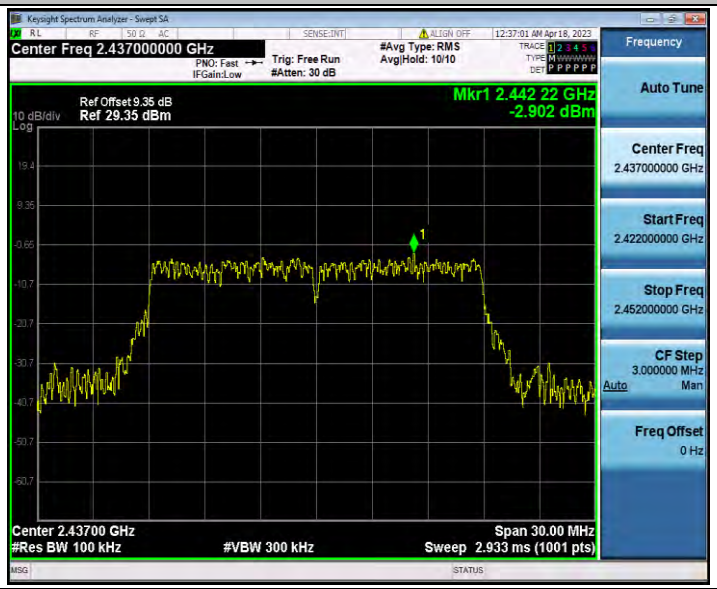
11N20SISO_Ant1_2412_0~Reference



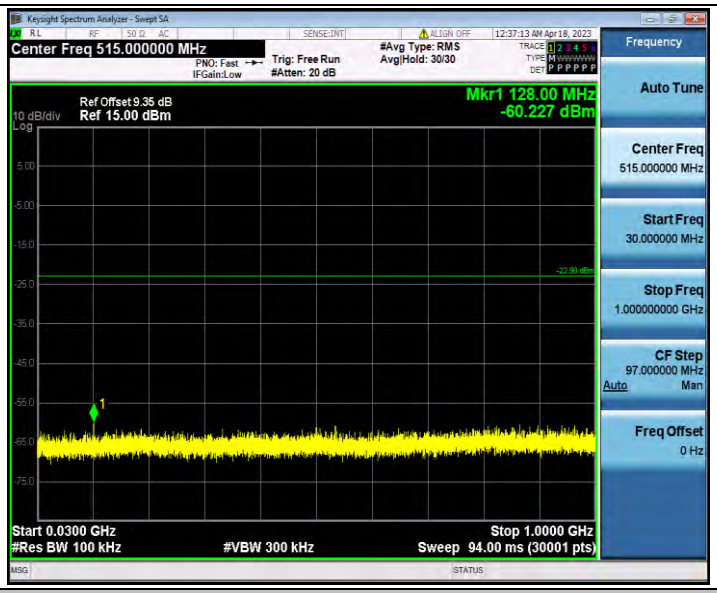
11N20SISO_Ant1_2412_30~1000



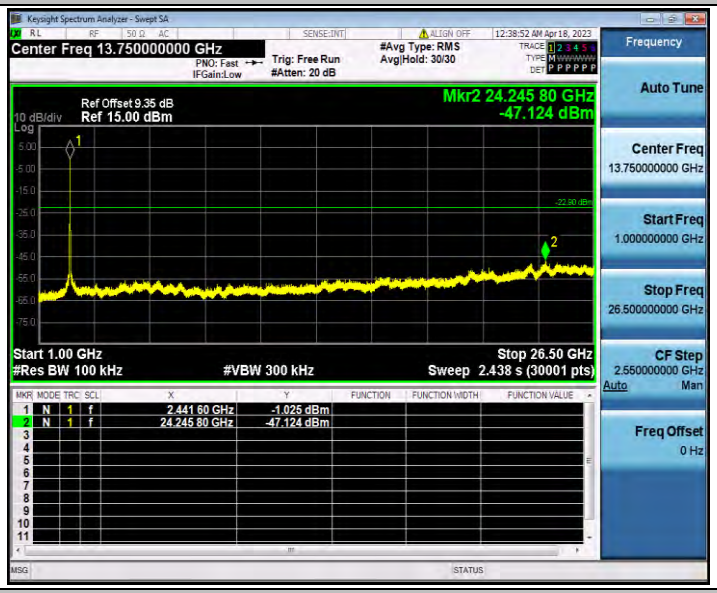
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference

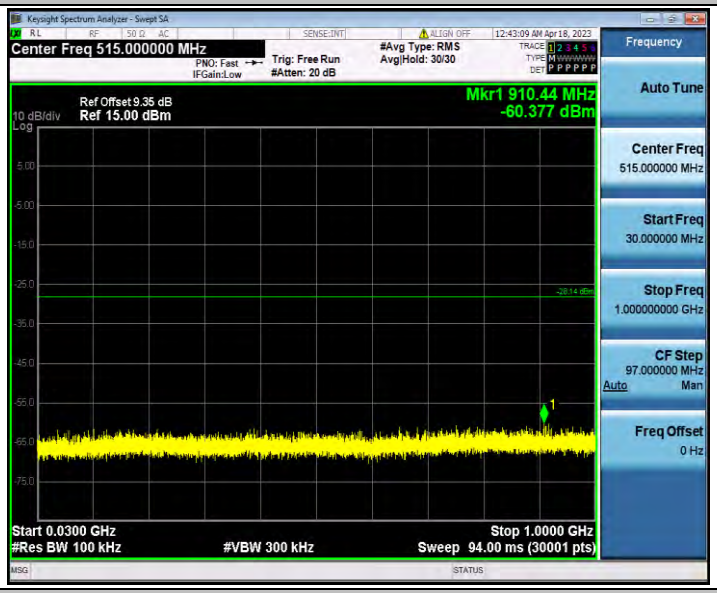


11N20SISO_Ant1_2437_30~1000

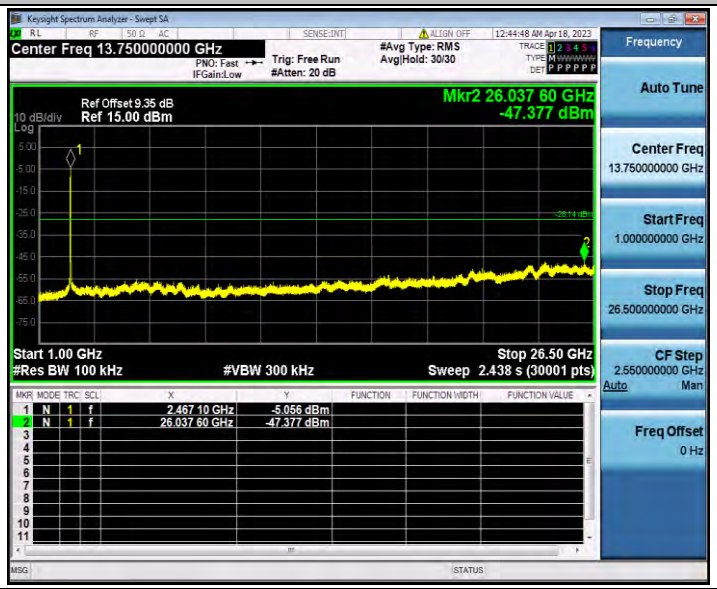


11N20SISO_Ant1_2437_1000~26500

11N20SISO_Ant1_2462_0~Reference



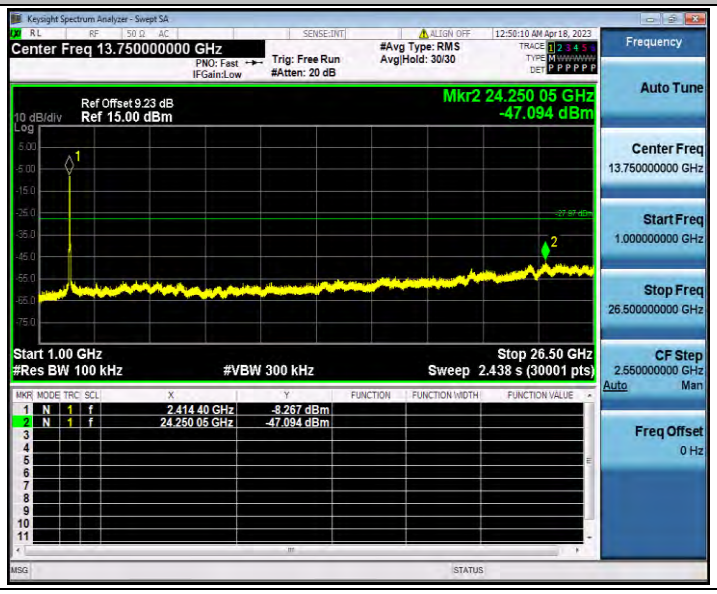
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

11N40SISO_Ant1_2422_0~Reference

11N40SISO_Ant1_2422_30~1000



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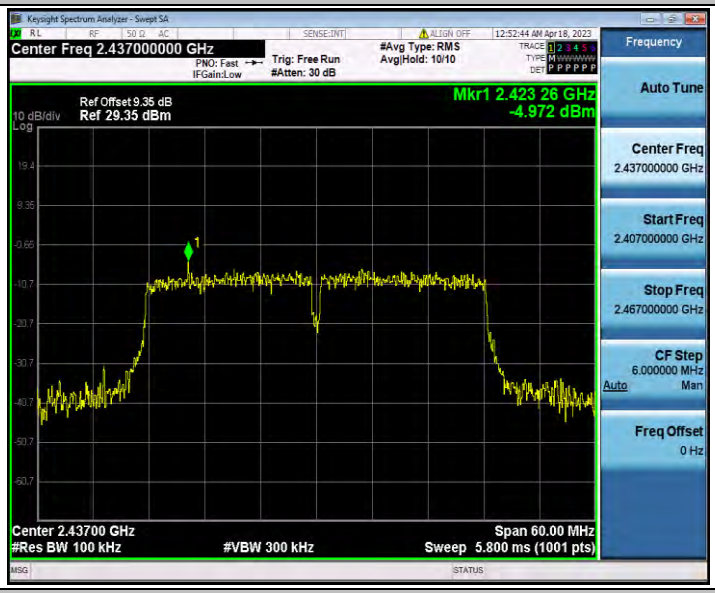

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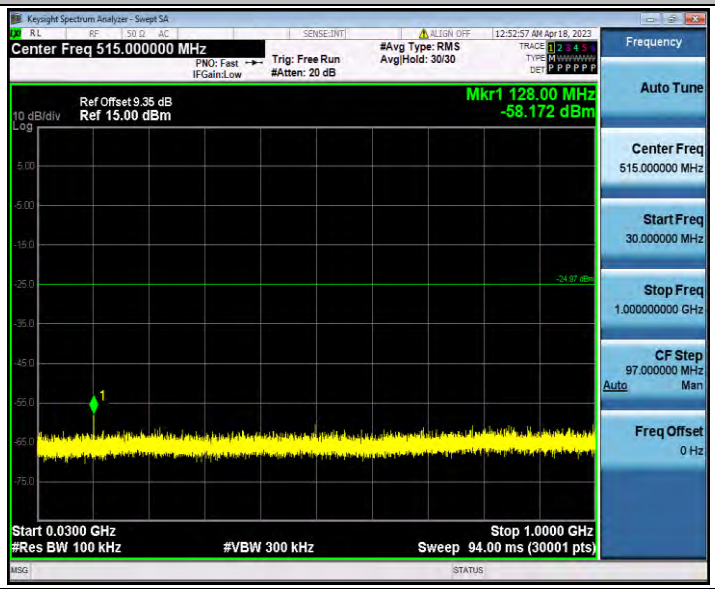
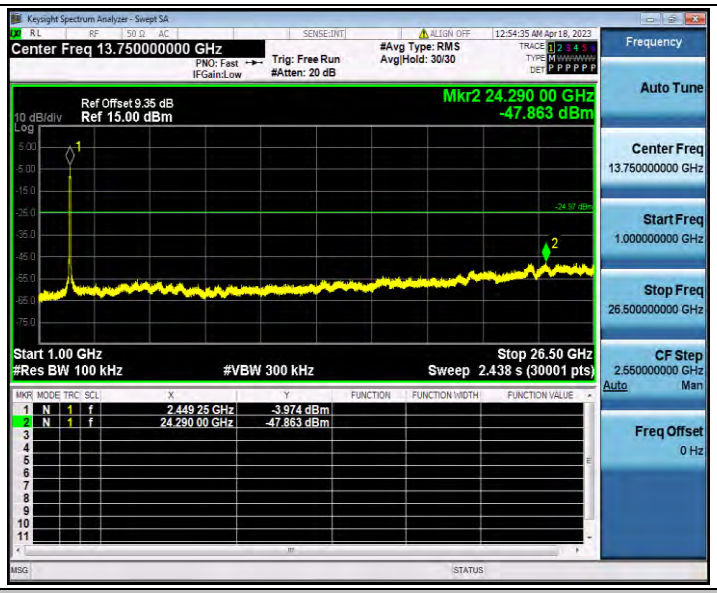
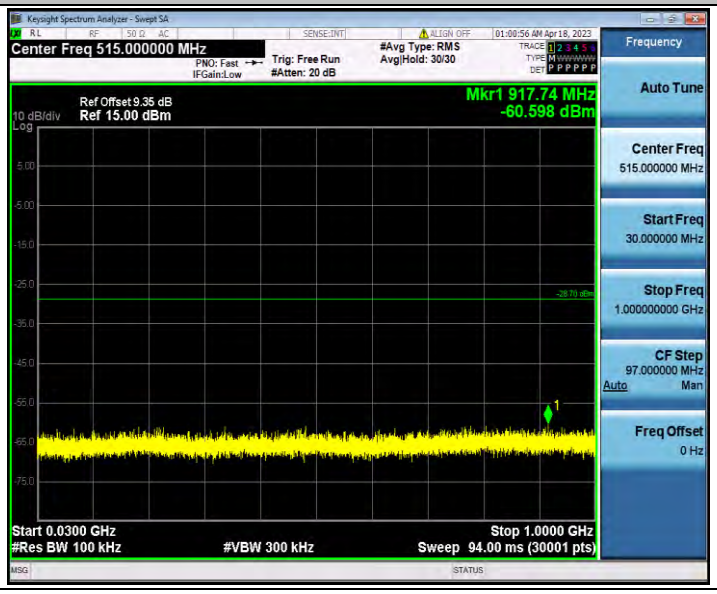


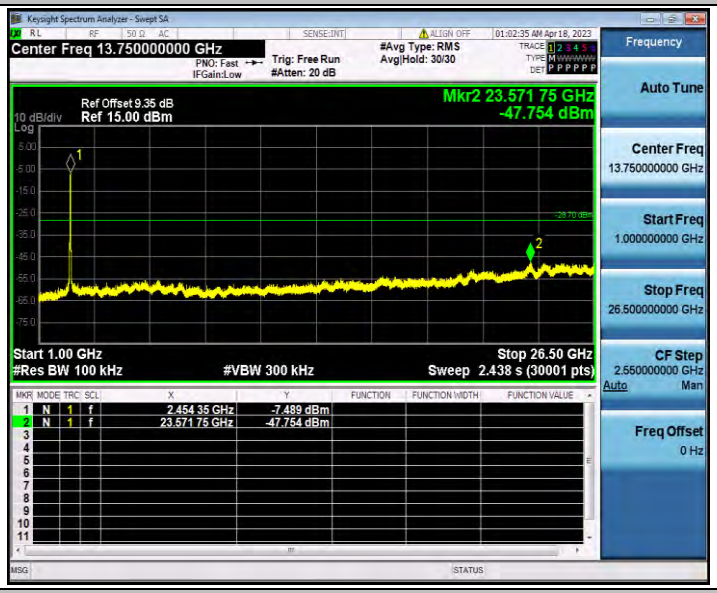
11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500

11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

11N40SISO_Ant1_2452_1000~26500