Case No. : GTS20230302021-1-3	
Ambient Condition: 23 ℃, 48 %RH, Atmos100.1Kpa,	
Test Date: 2023.4.3	**Test Engineer:** Jenny zeng

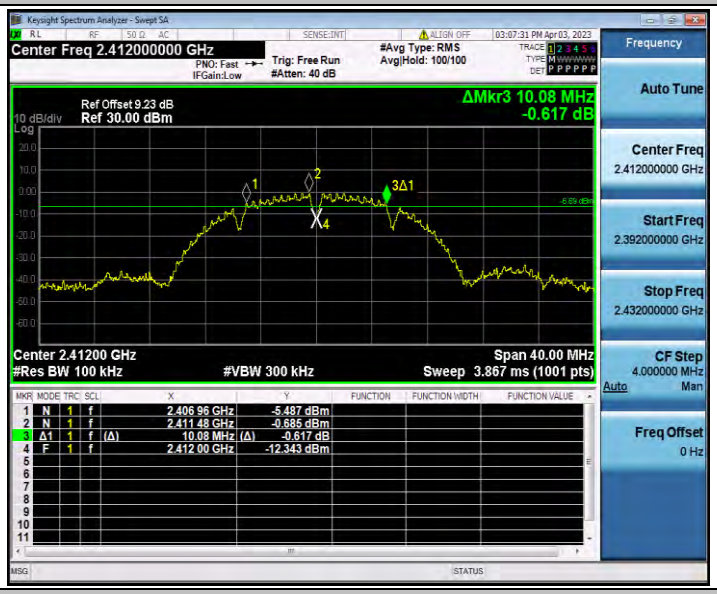
Appendix C.1: DTS Bandwidth

Test Result

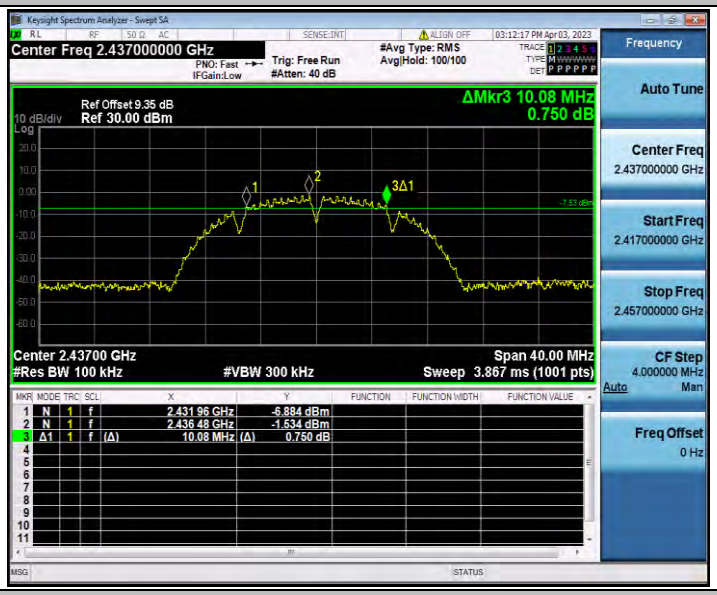
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.200	2420.880	0.5	PASS
		2437	17.640	2428.200	2445.840	0.5	PASS
		2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.400	2433.760	2470.160	0.5	PASS

Test Graphs

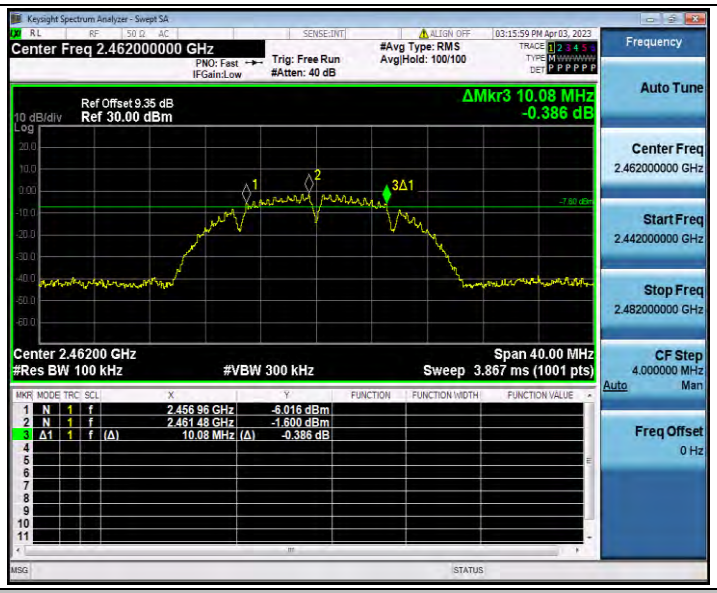
11B_Ant1_2412



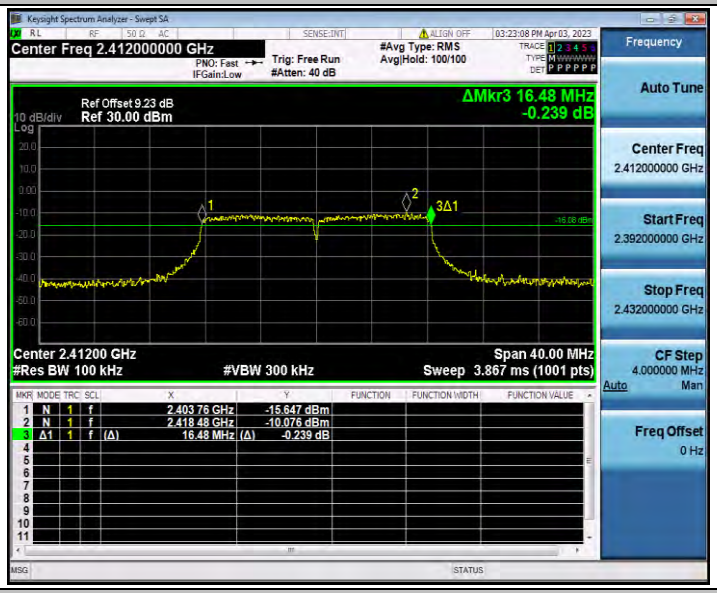
11B_Ant1_2437



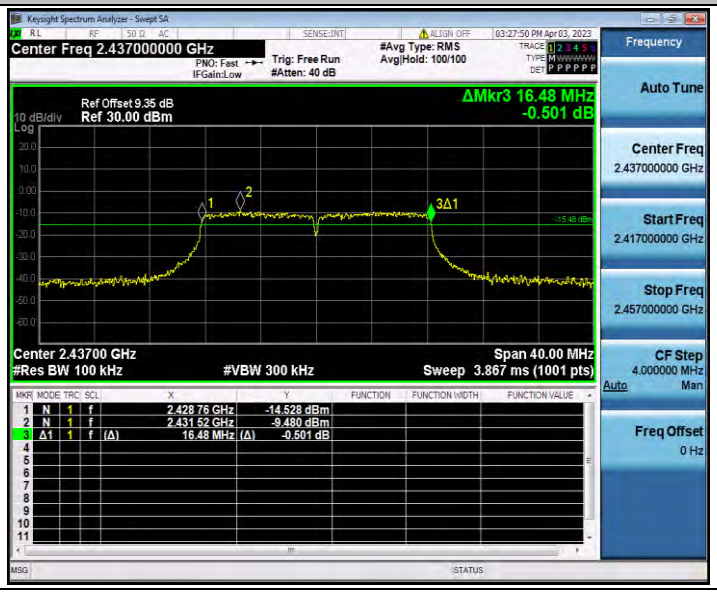
11B_Ant1_2462



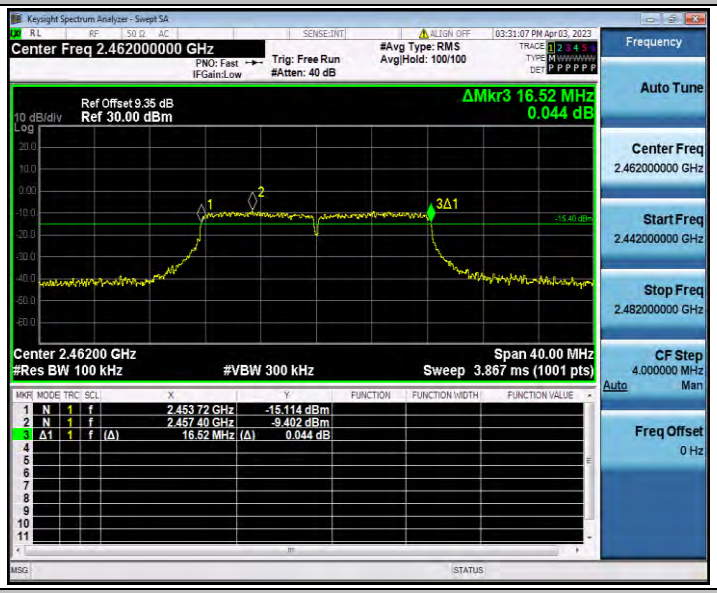
11G_Ant1_2412



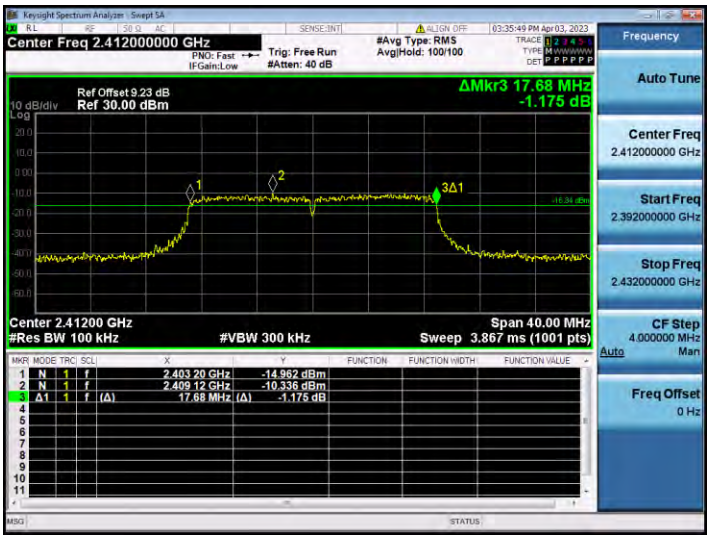
11G_Ant1_2437



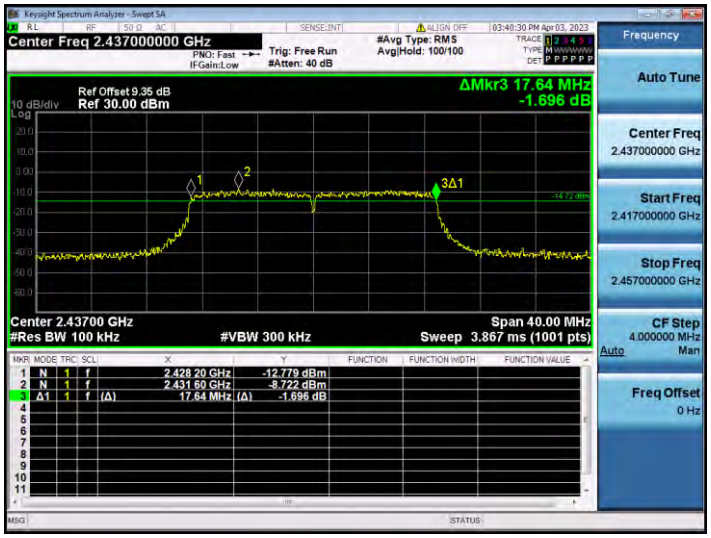
11G_Ant1_2462



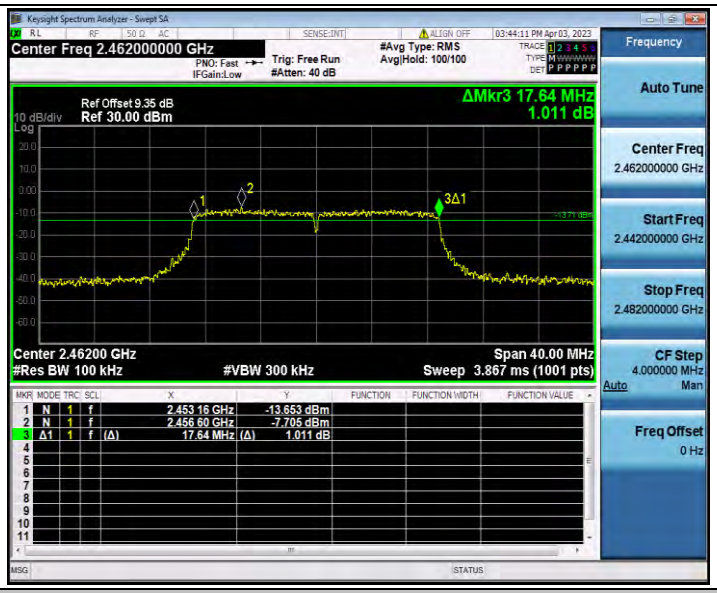
11N20SISO_Ant1_2412



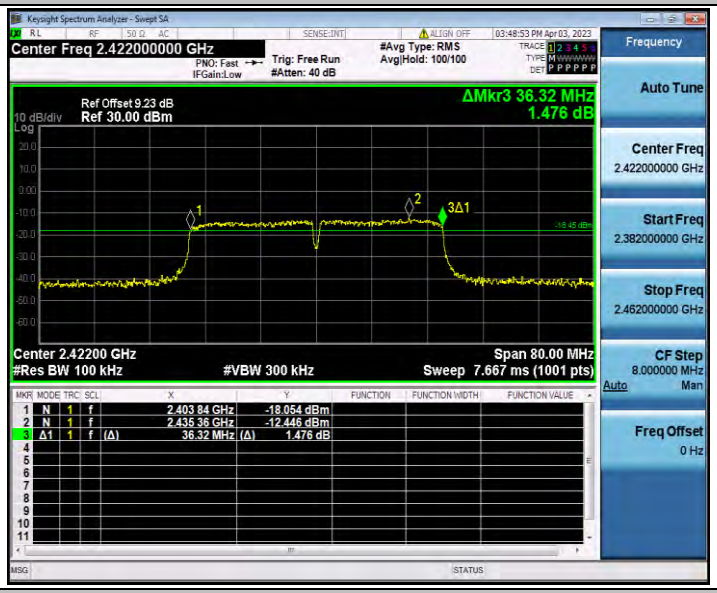
11N20SISO_Ant1_2437



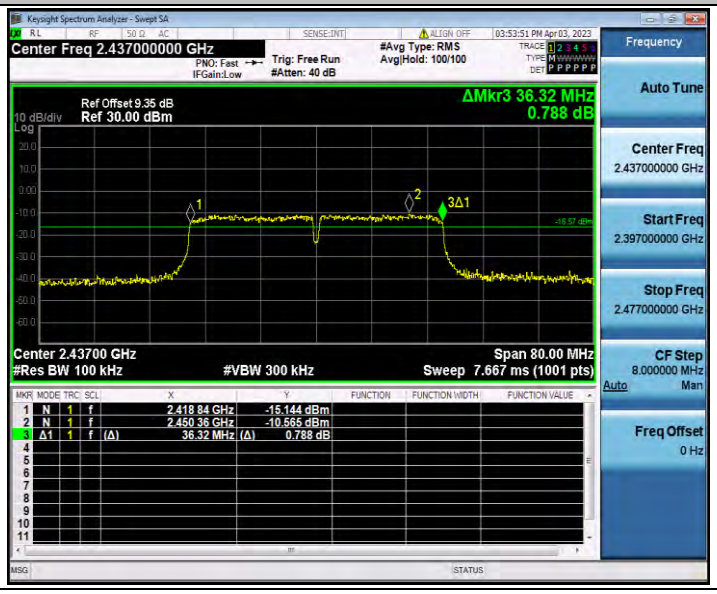
11N20SISO_Ant1_2462

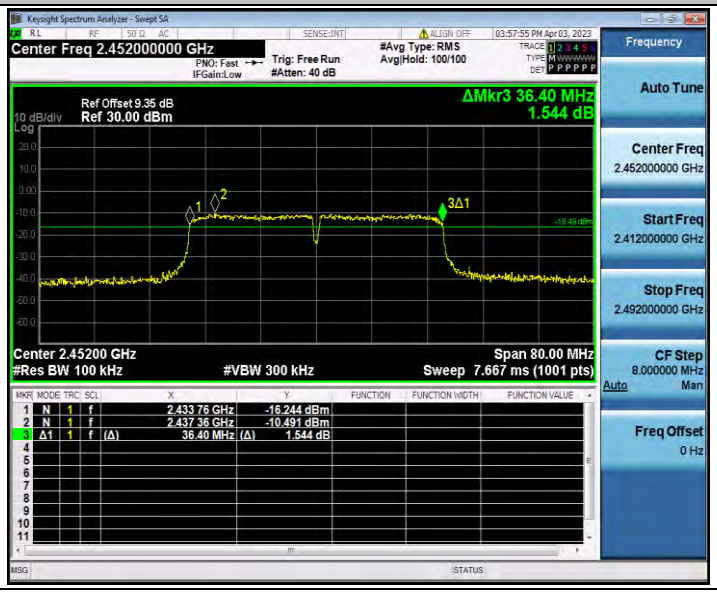


11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452


Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.331	2404.403	2419.734	---	---
		2437	15.128	2429.464	2444.592	---	---
		2462	15.149	2454.410	2469.559	---	---
11G	Ant1	2412	16.998	2403.491	2420.489	---	---
		2437	16.913	2428.534	2445.447	---	---
		2462	16.950	2453.449	2470.399	---	---
11N20SISO	Ant1	2412	17.969	2403.077	2421.046	---	---
		2437	17.952	2428.018	2445.970	---	---
		2462	17.924	2453.025	2470.949	---	---
11N40SISO	Ant1	2422	37.576	2403.645	2441.221	---	---
		2437	36.517	2418.842	2455.359	---	---
		2452	36.406	2433.807	2470.213	---	---

Test Graphs

11B_Ant1_2412

11B_Ant1_2437

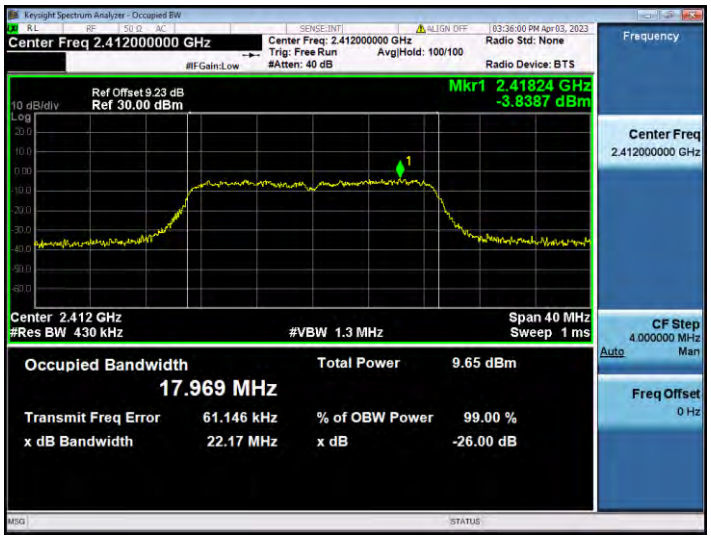
11B_Ant1_2462

11G_Ant1_2412

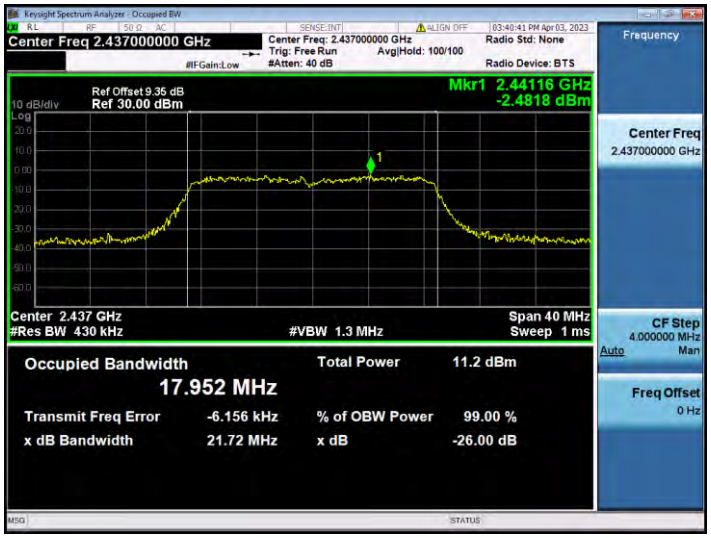
11G_Ant1_2437

11G_Ant1_2462

11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2437

11N40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

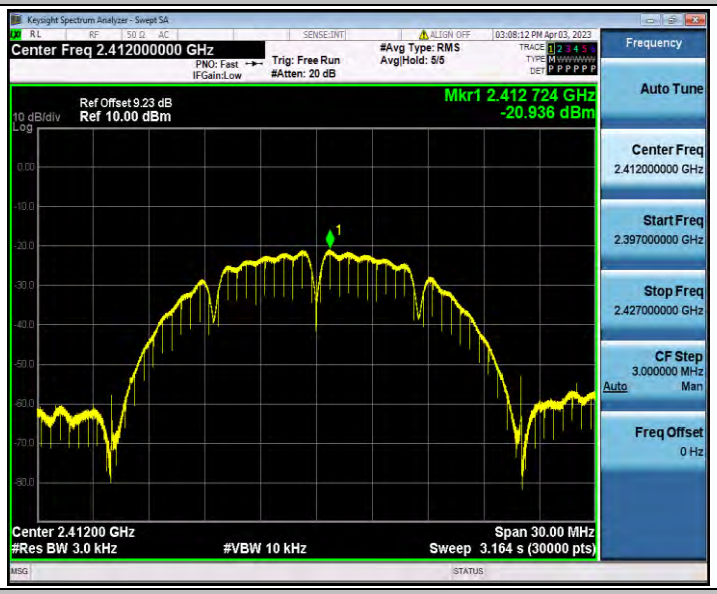
TestMode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	12.41	≤30.00	PASS
		2437	11.57	≤30.00	PASS
		2462	11.58	≤30.00	PASS
11G	Ant1	2412	10.58	≤30.00	PASS
		2437	11.73	≤30.00	PASS
		2462	11.63	≤30.00	PASS
11N20SISO	Ant1	2412	10.94	≤30.00	PASS
		2437	12.43	≤30.00	PASS
		2462	13.28	≤30.00	PASS
11N40SISO	Ant1	2422	16.07	≤30.00	PASS
		2437	13.74	≤30.00	PASS
		2452	13.91	≤30.00	PASS

Appendix C.4: Maximum power spectral density

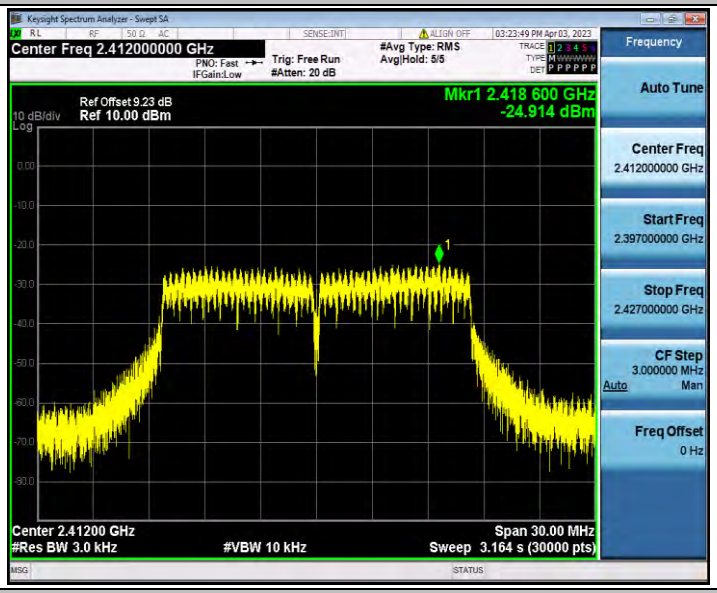
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-20.94	≤8.00	PASS
		2437	-21.65	≤8.00	PASS
		2462	-21.74	≤8.00	PASS
11G	Ant1	2412	-24.91	≤8.00	PASS
		2437	-23.26	≤8.00	PASS
		2462	-23.84	≤8.00	PASS
11N20SISO	Ant1	2412	-24.14	≤8.00	PASS
		2437	-22.31	≤8.00	PASS
		2462	-22.06	≤8.00	PASS
11N40SISO	Ant1	2422	-20.99	≤8.00	PASS
		2437	-22.44	≤8.00	PASS
		2452	-22.93	≤8.00	PASS

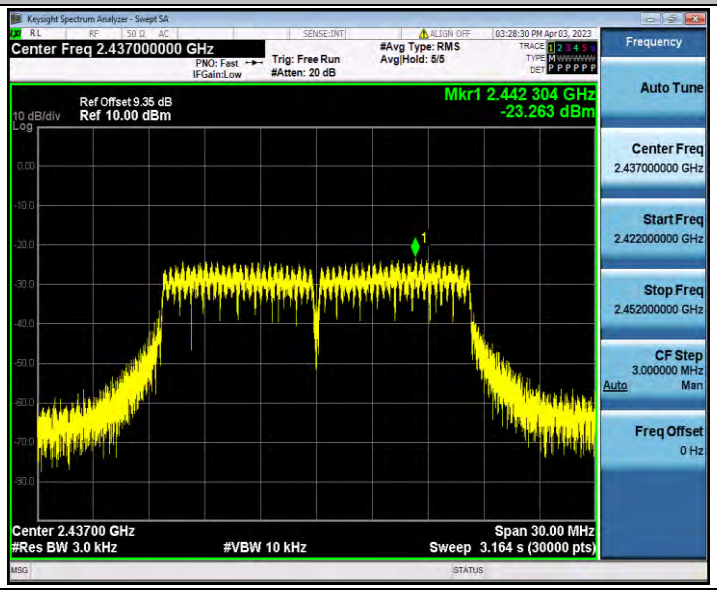
Test Graphs

11B_Ant1_2412

11B_Ant1_2437
11B_Ant1_2462

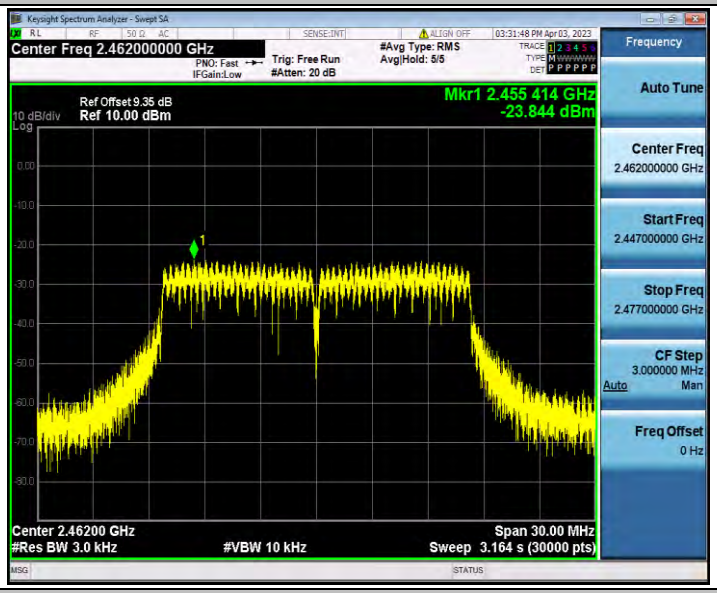
11G_Ant1_2412



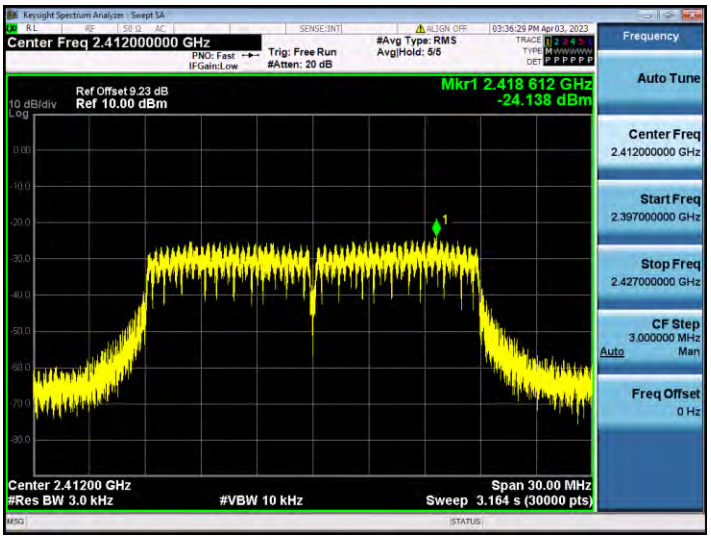
11G_Ant1_2437



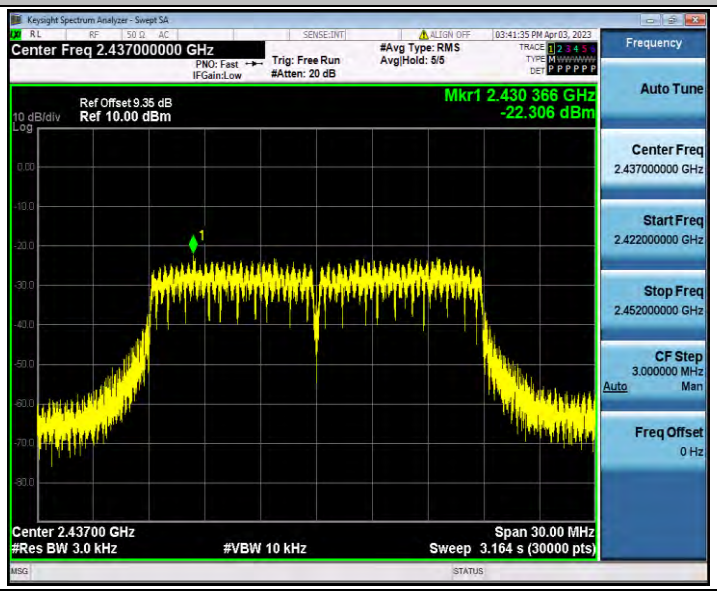
11G_Ant1_2462



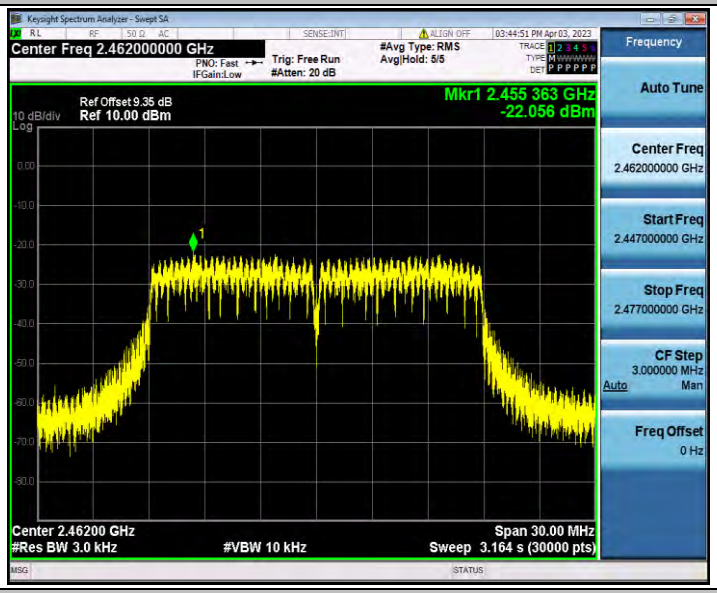
11N20SISO_Ant1_2412



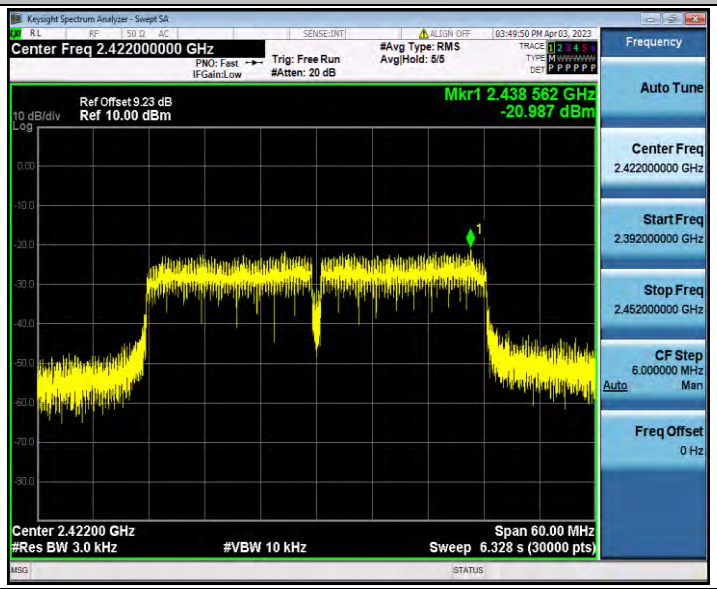
11N20SISO_Ant1_2437



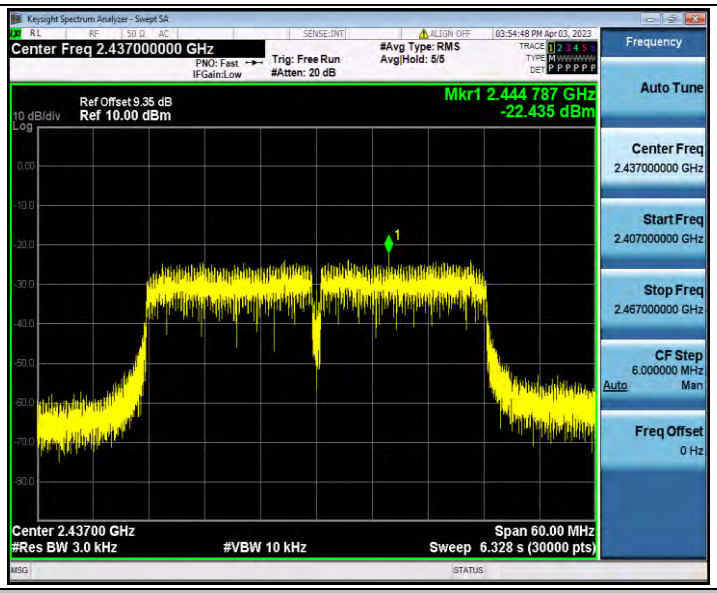
11N20SISO_Ant1_2462



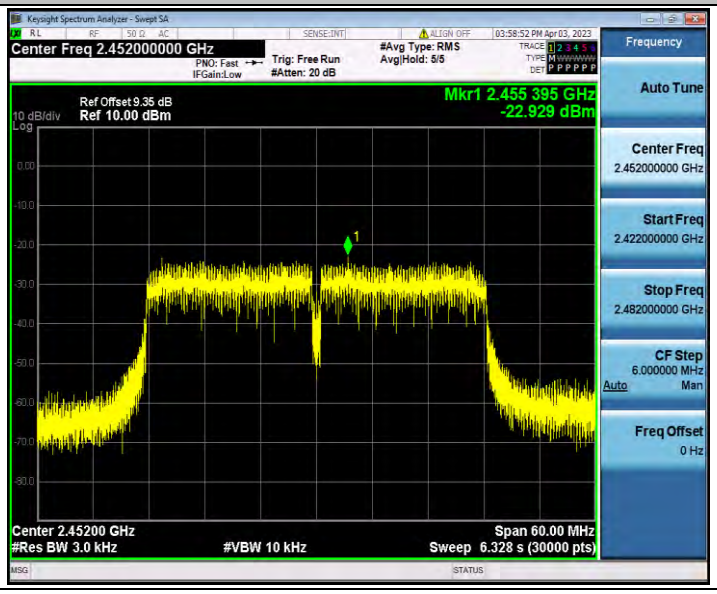
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



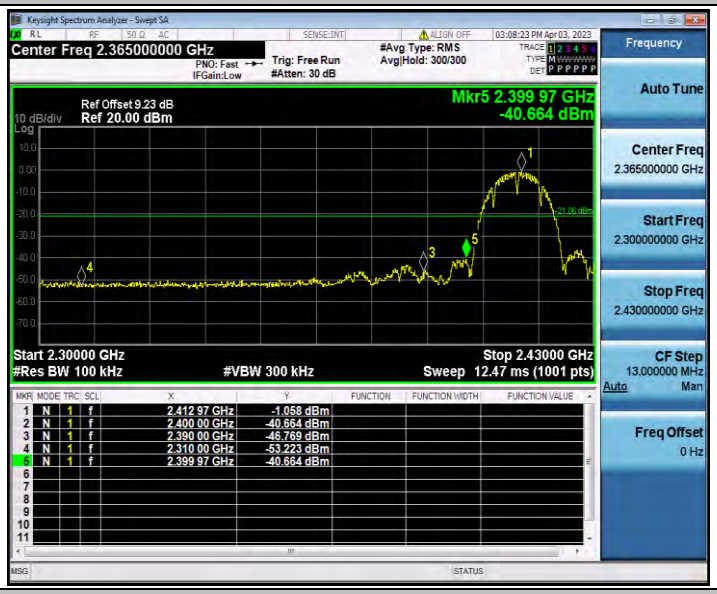
Appendix C.5: Band edge measurements

Test Result

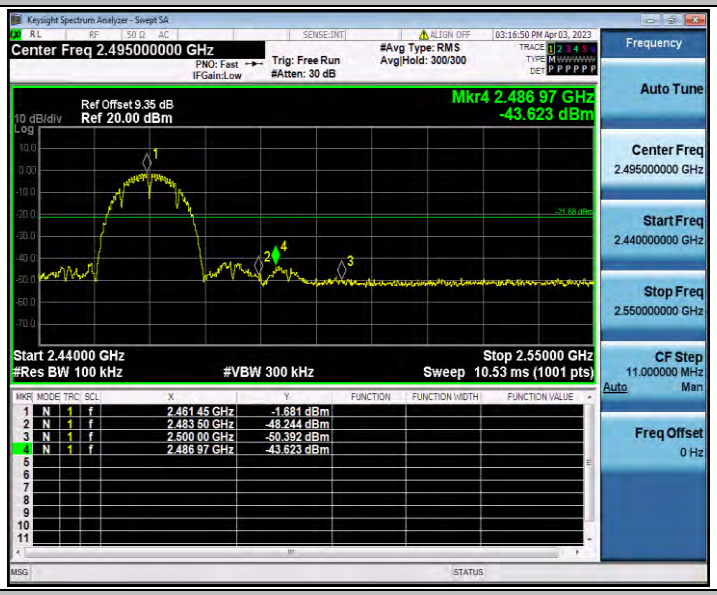
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-1.06	-40.66	≤-21.06	PASS
		High	2462	-1.68	-43.62	≤-21.68	PASS
11G	Ant1	Low	2412	-9.99	-40.98	≤-29.99	PASS
		High	2462	-9.35	-45.61	≤-29.35	PASS
11N20SISO	Ant1	Low	2412	-10.79	-42.05	≤-30.79	PASS
		High	2462	-7.73	-43.97	≤-27.73	PASS
11N40SISO	Ant1	Low	2422	-8.02	-31.5	≤-28.02	PASS
		High	2452	-10.39	-40.06	≤-30.39	PASS

Test Graphs

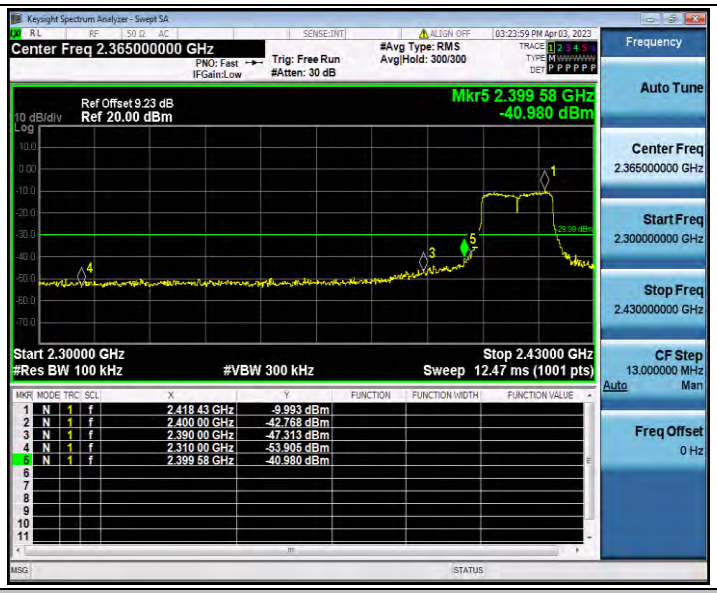
11B_Ant1_Low_2412



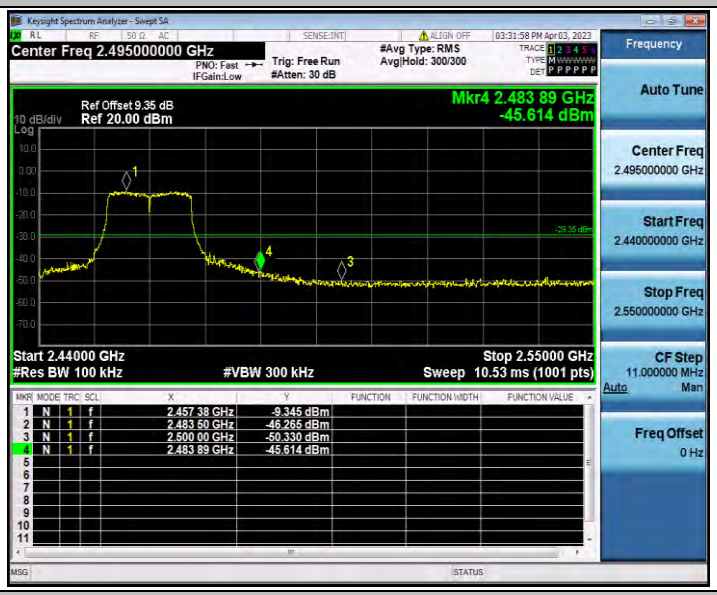
11B_Ant1_High_2462



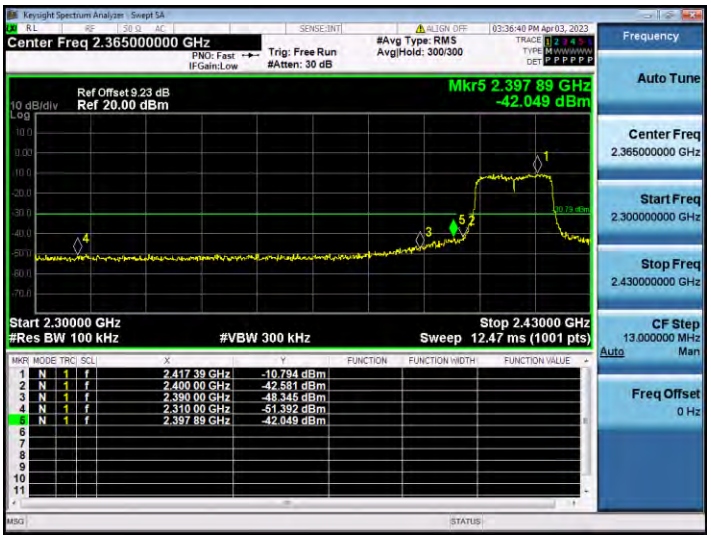
11G_Ant1_Low_2412



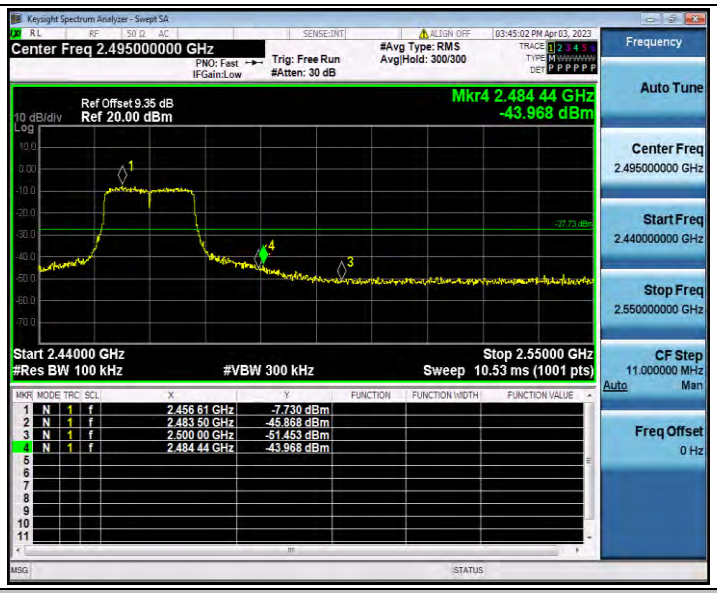
11G_Ant1_High_2462



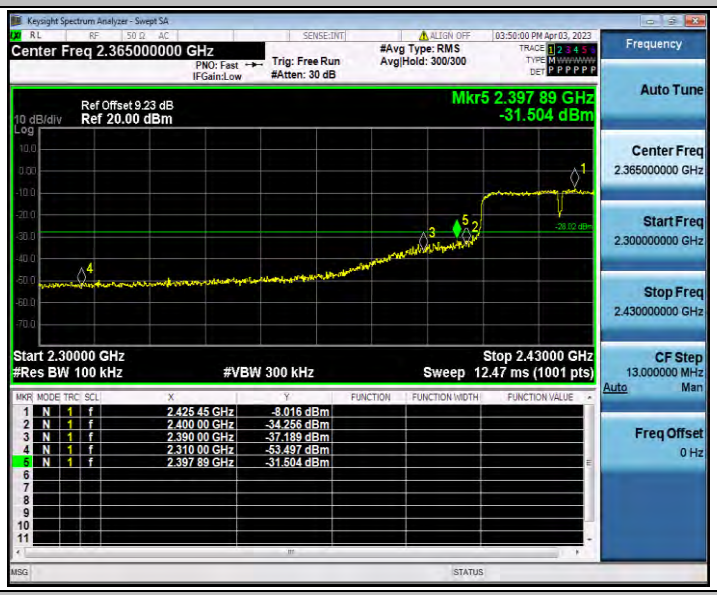
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

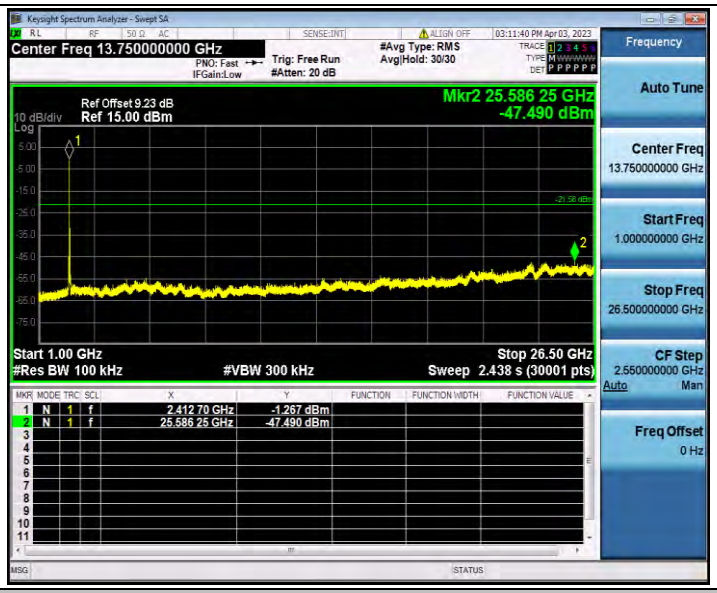
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-60.72	≤-21.58	PASS
			1000~26500	-1.58	-47.49	≤-21.58	PASS
		2437	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-46.39	≤-22.17	PASS
			1000~26500	-2.17	-46.81	≤-22.17	PASS
		2462	Reference	-1.80	-1.80	---	PASS
			30~1000	-1.80	-49.51	≤-21.8	PASS
			1000~26500	-1.80	-47.42	≤-21.8	PASS
11G	Ant1	2412	Reference	-10.36	-10.36	---	PASS
			30~1000	-10.36	-59.92	≤-30.36	PASS
			1000~26500	-10.36	-46.95	≤-30.36	PASS
		2437	Reference	-9.98	-9.98	---	PASS
			30~1000	-9.98	-60.71	≤-29.98	PASS
			1000~26500	-9.98	-47.41	≤-29.98	PASS
		2462	Reference	-9.46	-9.46	---	PASS
			30~1000	-9.46	-60.21	≤-29.46	PASS
			1000~26500	-9.46	-47.49	≤-29.46	PASS
11N20SISO	Ant1	2412	Reference	-11.31	-11.31	---	PASS
			30~1000	-11.31	-43.46	≤-31.31	PASS
			1000~26500	-11.31	-47.53	≤-31.31	PASS
		2437	Reference	-9.37	-9.37	---	PASS
			30~1000	-9.37	-34.33	≤-29.37	PASS
			1000~26500	-9.37	-47.42	≤-29.37	PASS
		2462	Reference	-9.05	-9.05	---	PASS
			30~1000	-9.05	-60.29	≤-29.05	PASS
			1000~26500	-9.05	-47.6	≤-29.05	PASS
11N40SISO	Ant1	2422	Reference	-8.32	-8.32	---	PASS
			30~1000	-8.32	-60.41	≤-28.32	PASS
			1000~26500	-8.32	-47.37	≤-28.32	PASS
		2437	Reference	-11.41	-11.41	---	PASS
			30~1000	-11.41	-60.22	≤-31.41	PASS
			1000~26500	-11.41	-46.97	≤-31.41	PASS
		2452	Reference	-12.85	-12.85	---	PASS
			30~1000	-12.85	-60.44	≤-32.85	PASS
			1000~26500	-12.85	-47.75	≤-32.85	PASS

Test Graphs

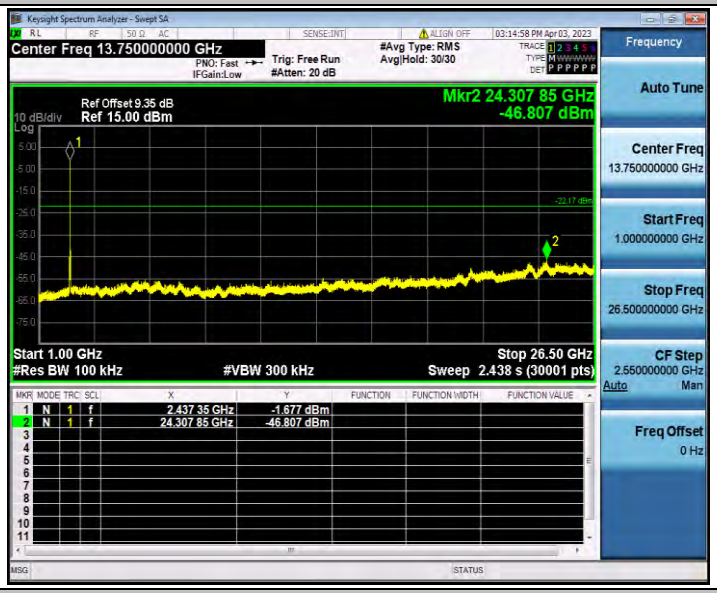
11B_Ant1_2412_0~Reference
11B_Ant1_2412_30~1000
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000

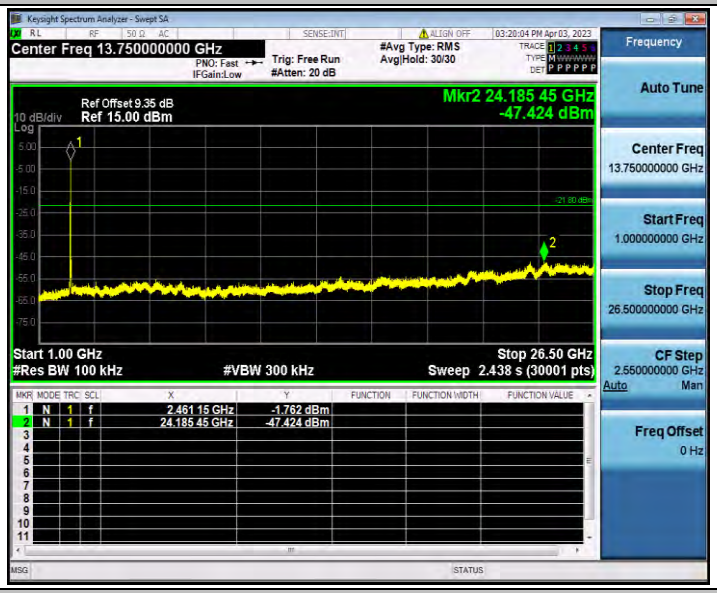
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference

11B_Ant1_2462_30~1000

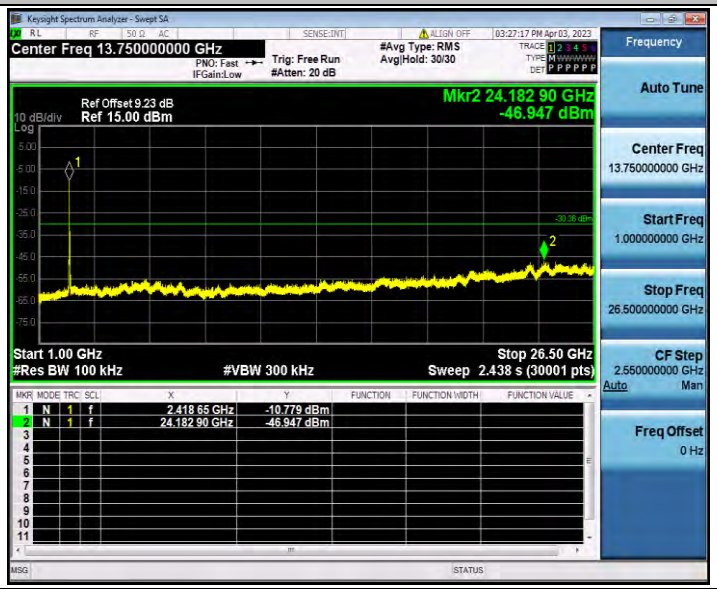
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

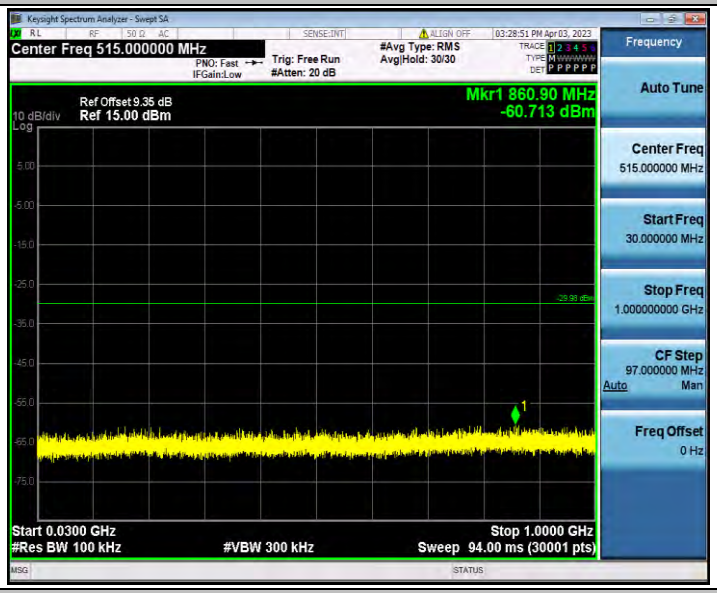
11G_Ant1_2412_30~1000

11G_Ant1_2412_1000~26500

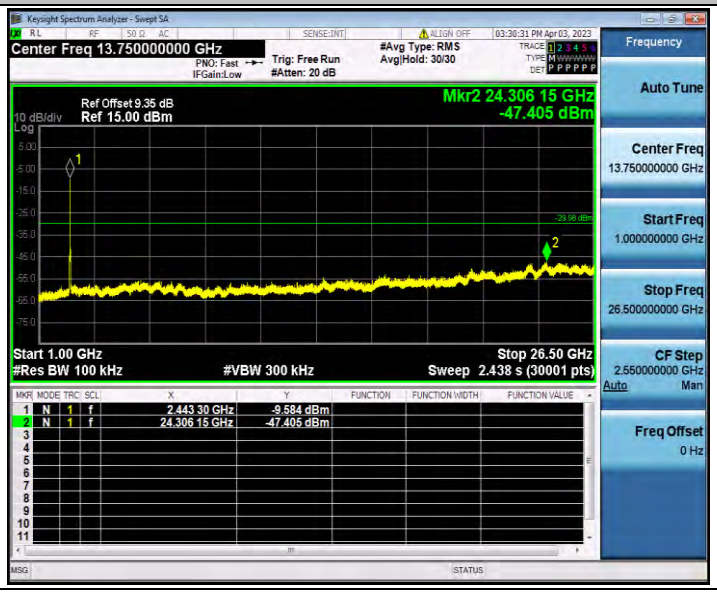


11G_Ant1_2437_0~Reference

11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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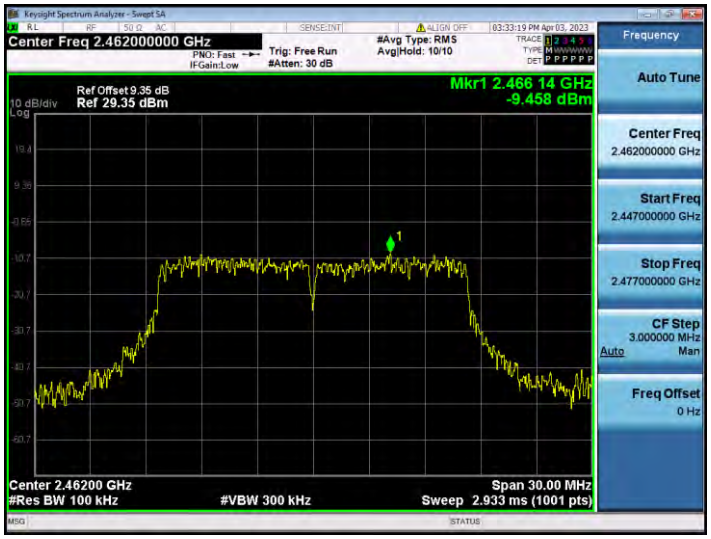

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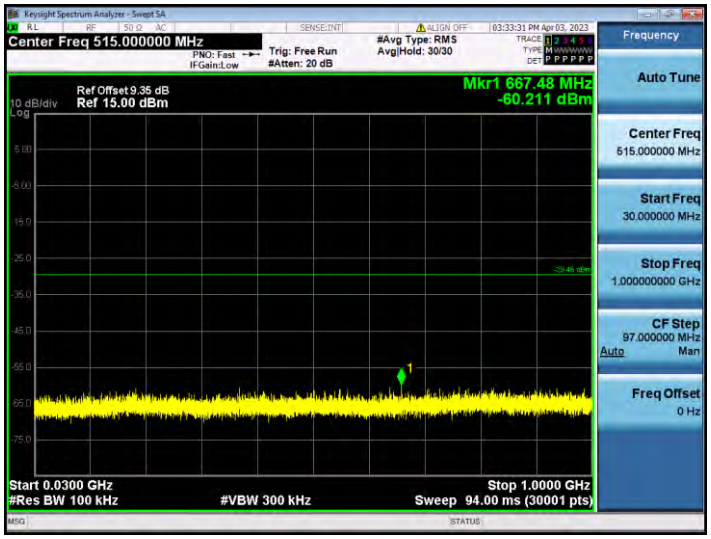
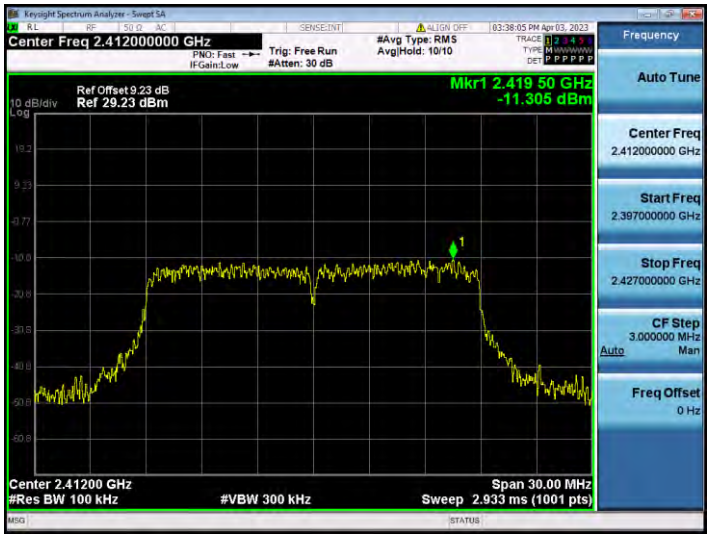


11G_Ant1_2462_1000~26500

11N20SISO_Ant1_2412_0~Reference



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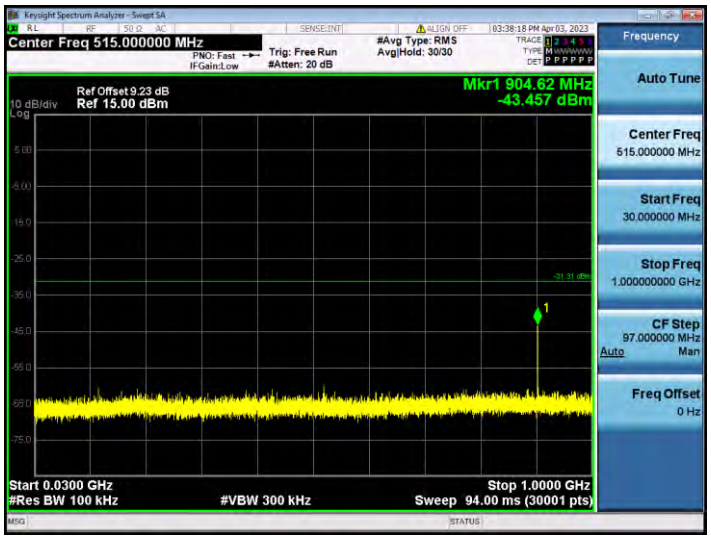

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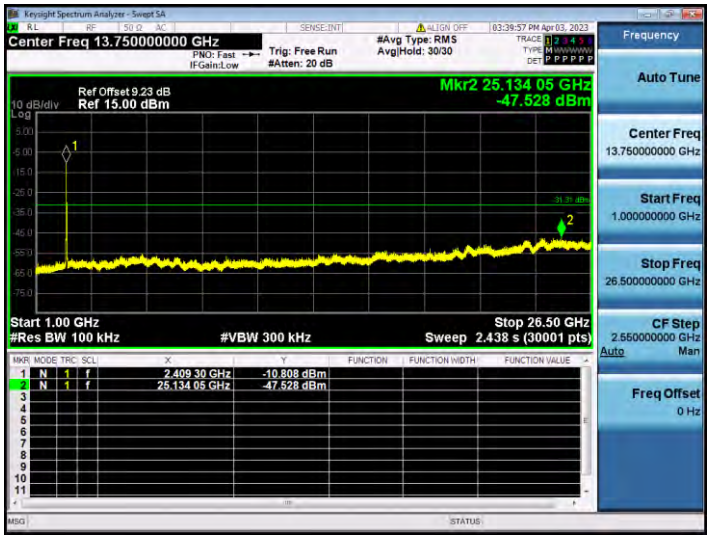

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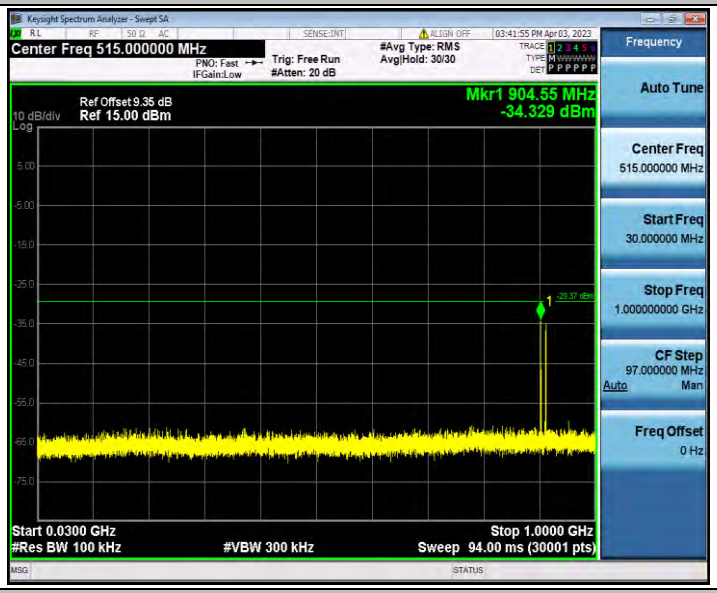
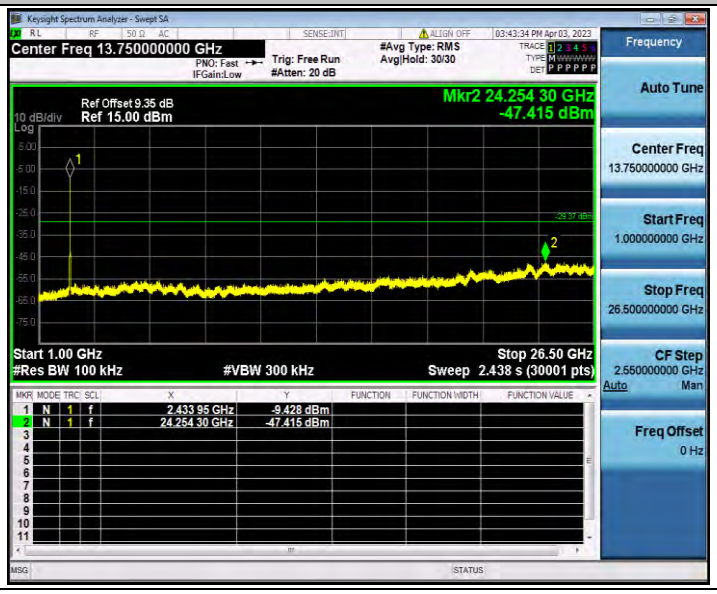
11N20SISO_Ant1_2437_30~1000

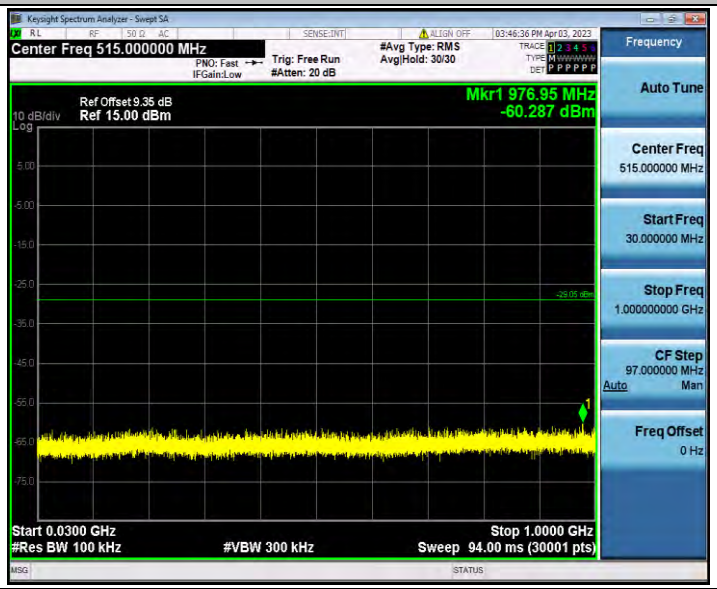


11N20SISO_Ant1_2437_1000~26500

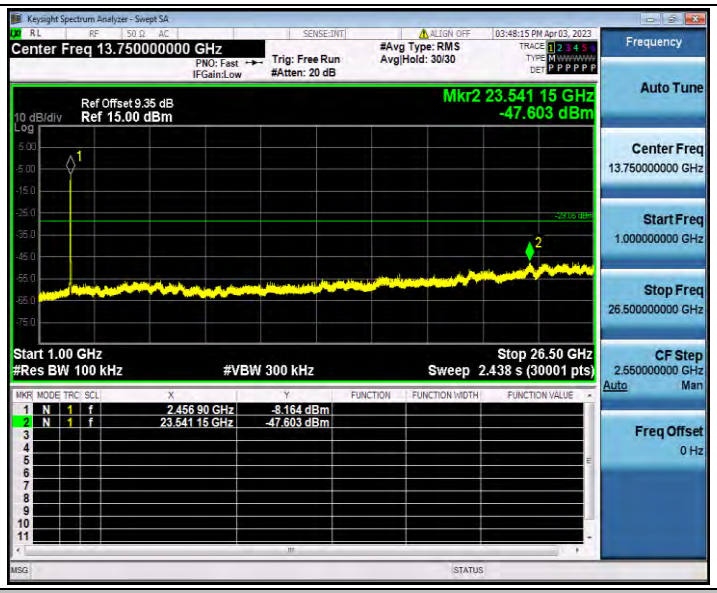


11N20SISO_Ant1_2462_0~Reference

11N20SISO_Ant1_2462_30~1000



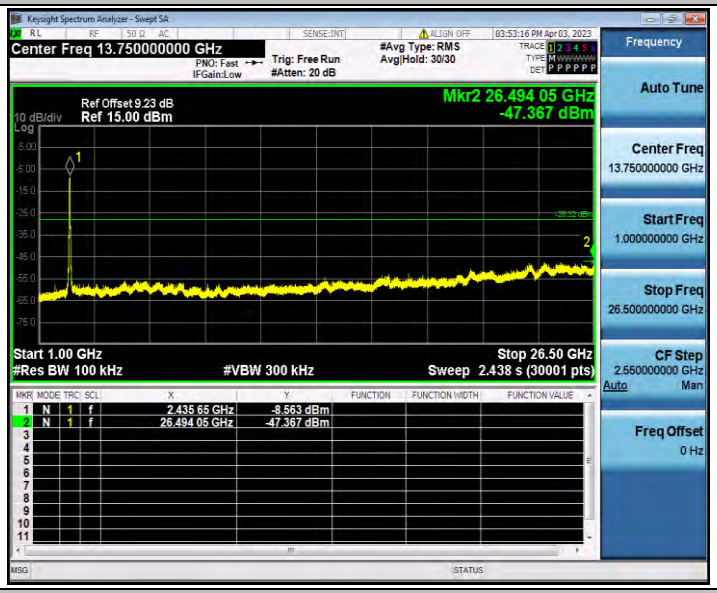
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference

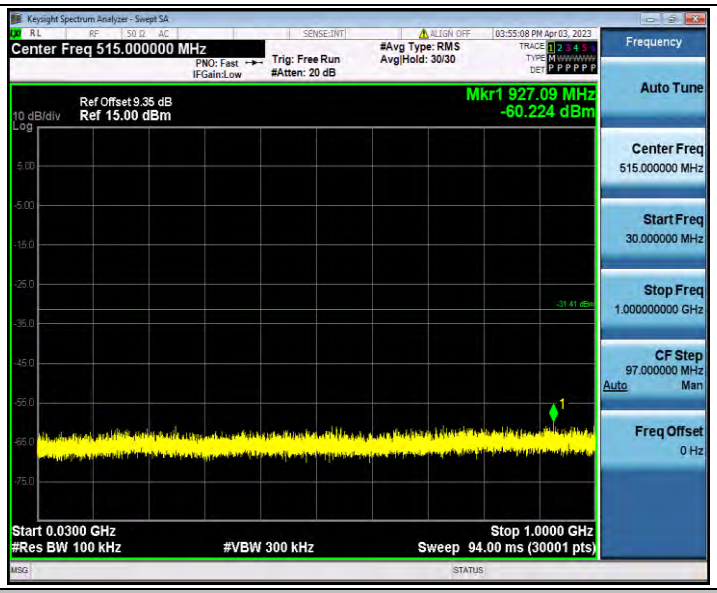
11N40SISO_Ant1_2422_30~1000

11N40SISO_Ant1_2422_1000~26500

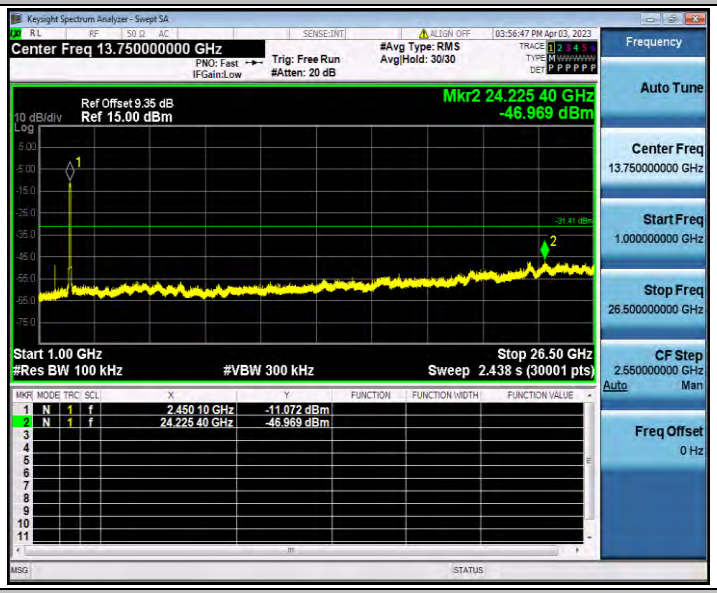


11N40SISO_Ant1_2437_0~Reference

11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference

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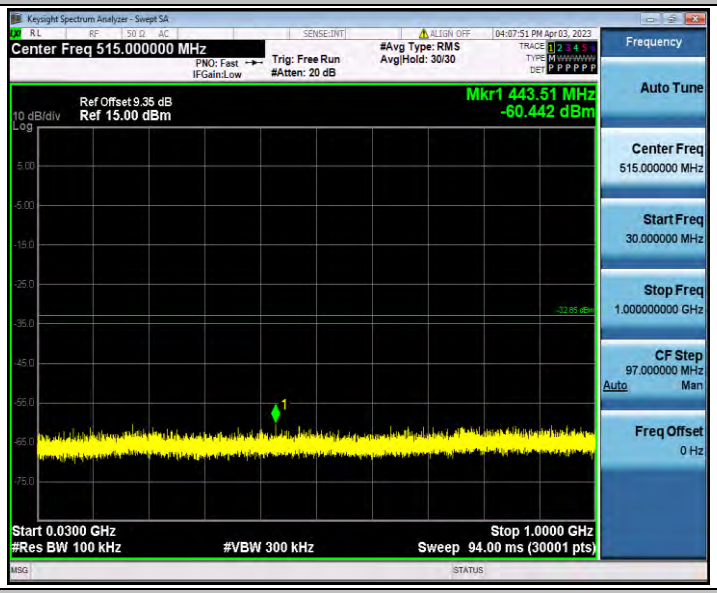
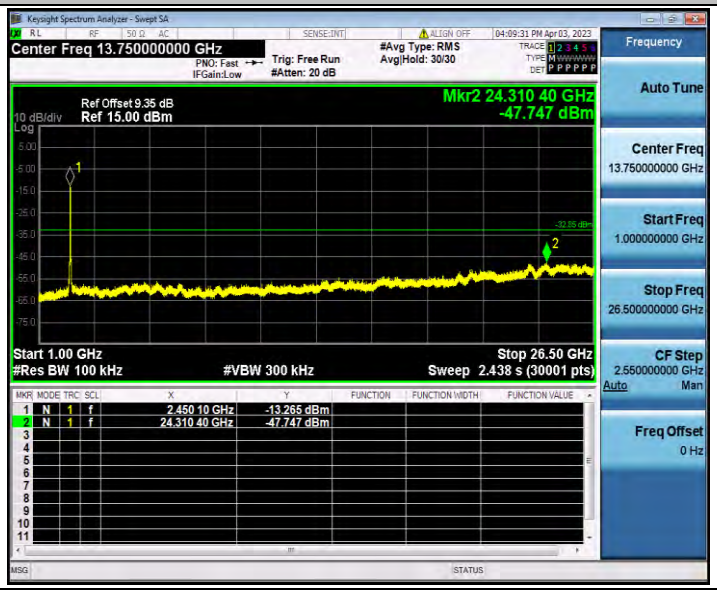
11N40SISO_Ant1_2452_1000~26500