Case No. : GTS20250410010-1-03	
Ambient Condition: 22 ℃, 51 %RH,	
Test Date: 2025.5.16	**Test Engineer:** Evan ouyang

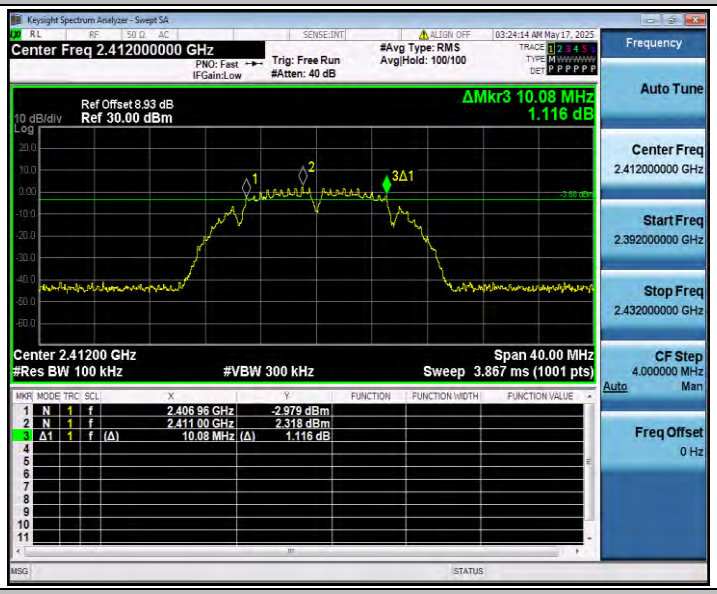
Appendix C.1: DTS Bandwidth

Test Result

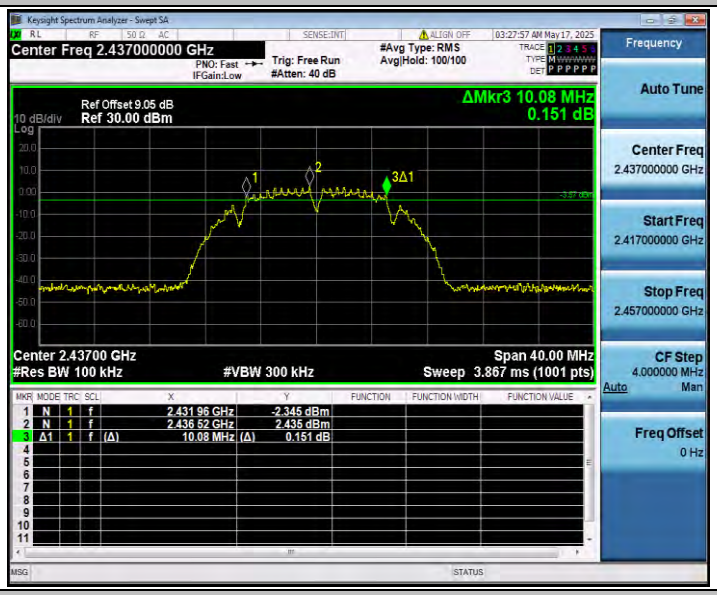
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	15.040	2404.520	2419.560	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	15.040	2454.480	2469.520	0.5	PASS
11N20SISO	Ant1	2412	12.840	2404.520	2417.360	0.5	PASS
		2437	14.960	2429.560	2444.520	0.5	PASS
		2462	12.600	2456.920	2469.520	0.5	PASS
11N40SISO	Ant1	2422	31.360	2408.160	2439.520	0.5	PASS
		2437	29.440	2423.880	2453.320	0.5	PASS
		2452	33.840	2434.720	2468.560	0.5	PASS

Test Graphs

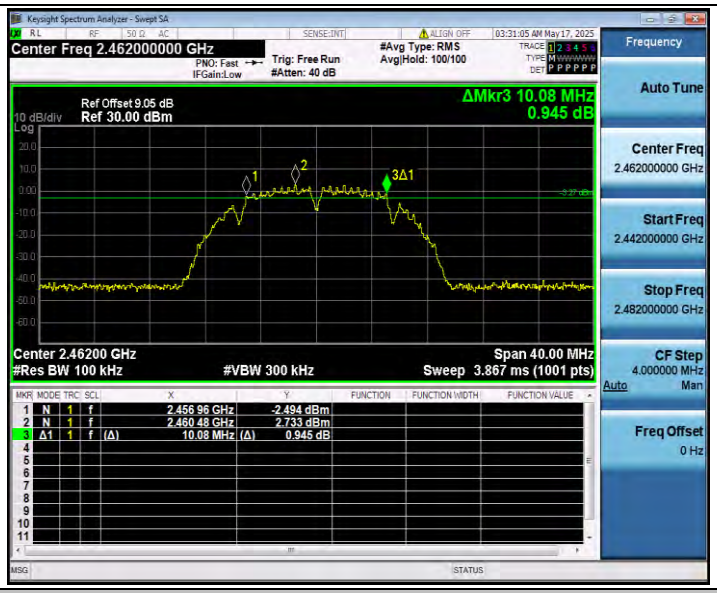
11B_Ant1_2412



11B_Ant1_2437

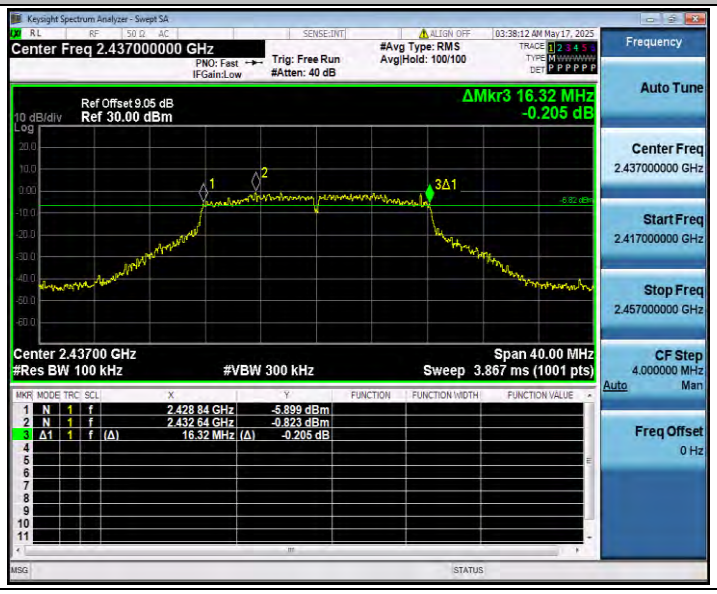


11B_Ant1_2462

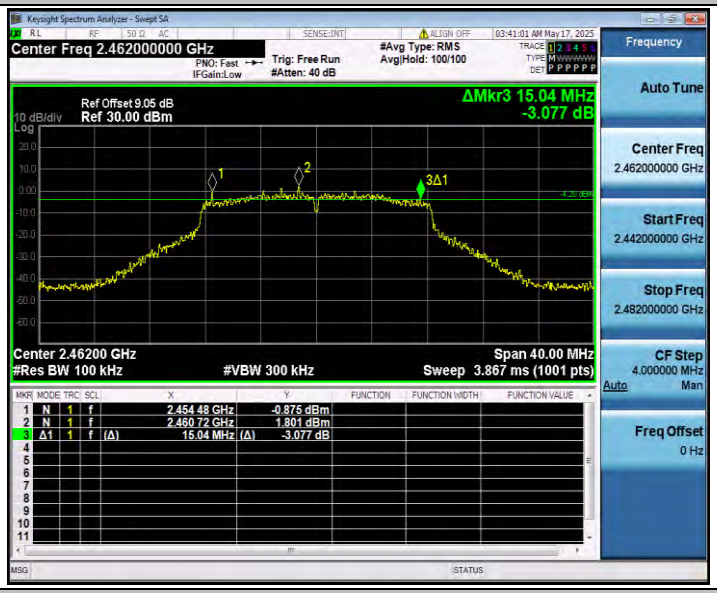


11G_Ant1_2412

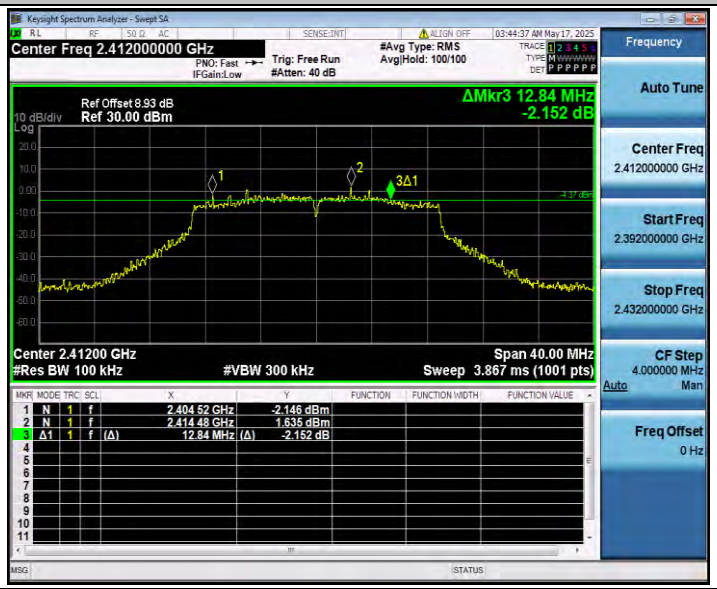
11G_Ant1_2437



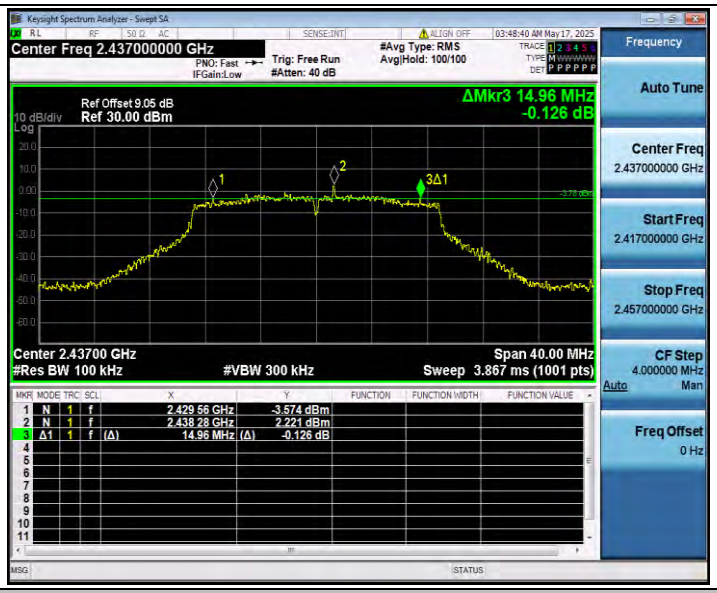
11G_Ant1_2462



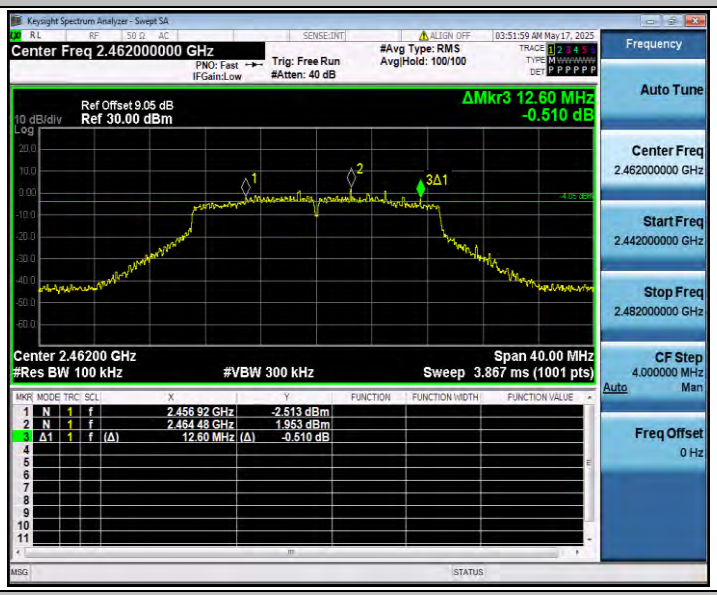
11N20SISO_Ant1_2412



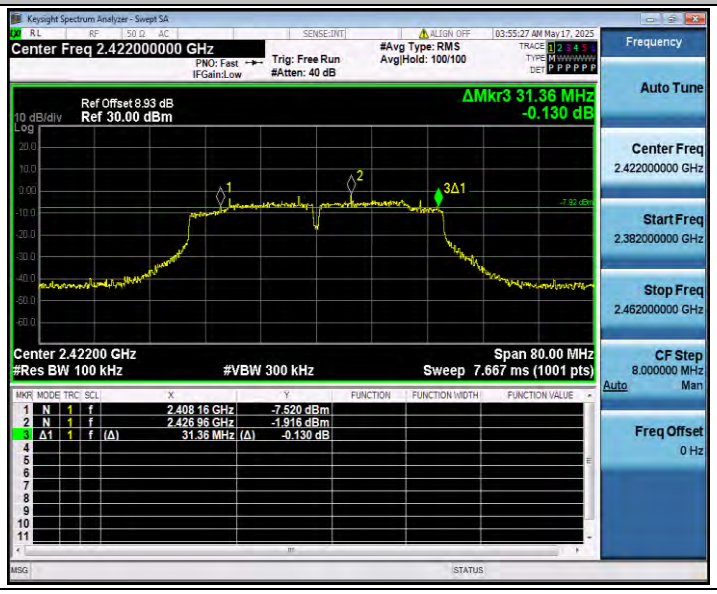
11N20SISO_Ant1_2437

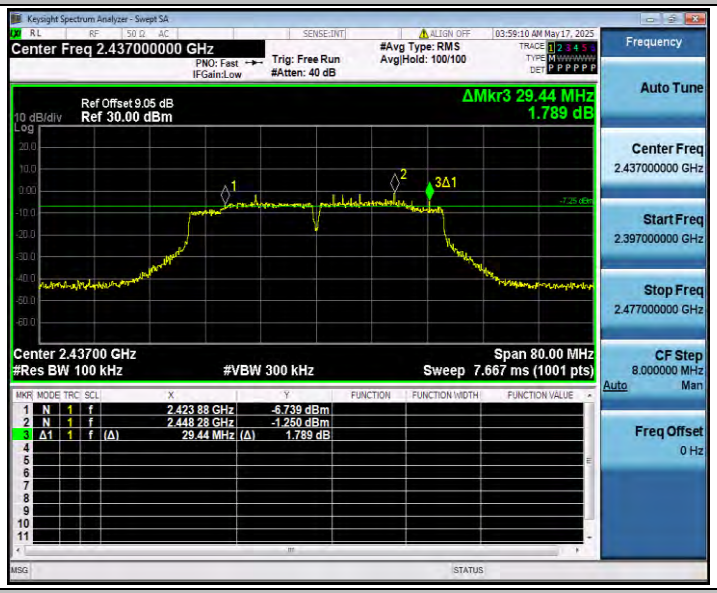


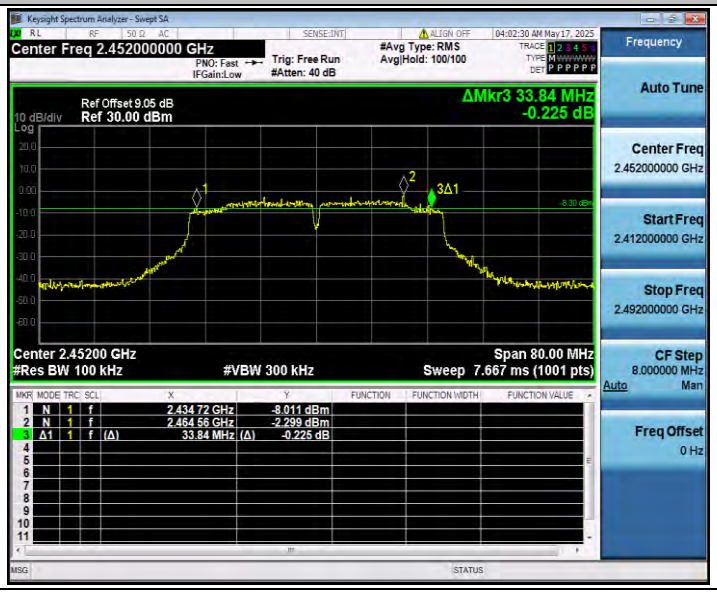
11N20SISO_Ant1_2462



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	13.474	2405.2678	2418.7418	---	---
		2437	13.499	2430.2620	2443.7610	---	---
		2462	13.459	2455.2641	2468.7231	---	---
11G	Ant1	2412	16.851	2403.5653	2420.4163	---	---
		2437	16.847	2428.6027	2445.4497	---	---
		2462	16.844	2453.5945	2470.4385	---	---
11N20SISO	Ant1	2412	17.945	2403.0314	2420.9764	---	---
		2437	17.931	2428.0687	2445.9997	---	---
		2462	17.951	2453.0471	2470.9981	---	---
11N40SISO	Ant1	2422	36.143	2404.0874	2440.2304	---	---
		2437	36.173	2418.9947	2455.1677	---	---
		2452	36.041	2434.0336	2470.0746	---	---

Test Graphs

11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462

11G_Ant1_2412

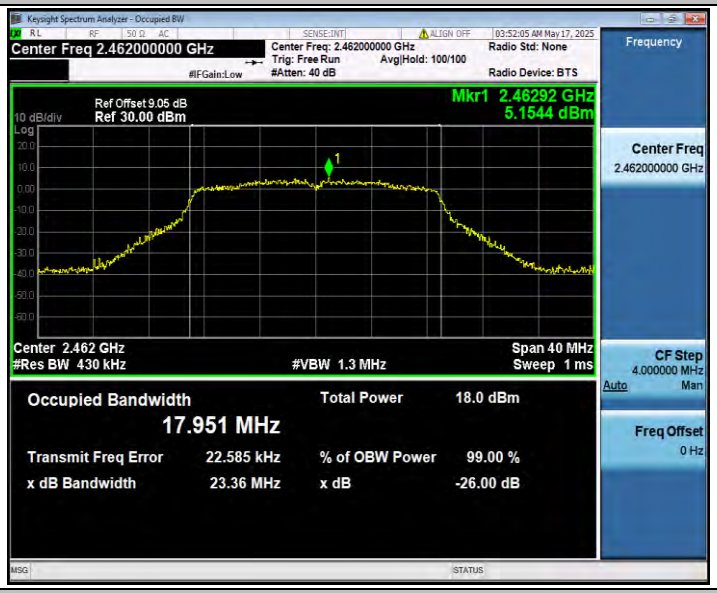
11G_Ant1_2437

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 Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	18.61	≤30.00	PASS
		2437	18.04	≤30.00	PASS
		2462	18.21	≤30.00	PASS
11G	Ant1	2412	18.55	≤30.00	PASS
		2437	18.98	≤30.00	PASS
		2462	19.18	≤30.00	PASS
11N20SISO	Ant1	2412	18.49	≤30.00	PASS
		2437	18.82	≤30.00	PASS
		2462	19.00	≤30.00	PASS
11N40SISO	Ant1	2422	18.84	≤30.00	PASS
		2437	19.11	≤30.00	PASS
		2452	19.35	≤30.00	PASS

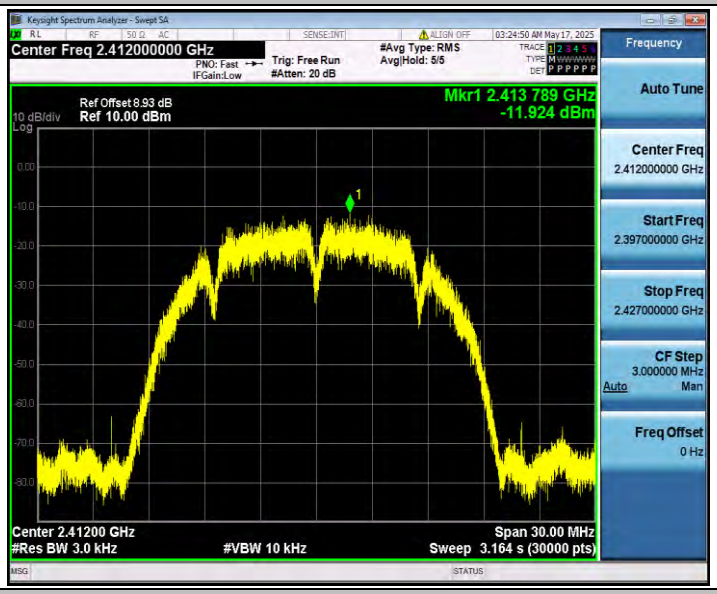
Appendix C.4: Maximum power spectral density

Test Result

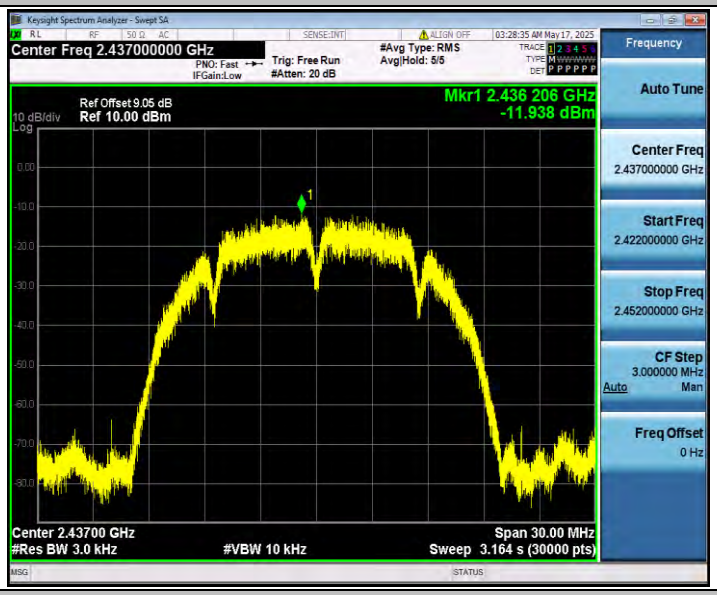
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.92	≤8.00	PASS
		2437	-11.94	≤8.00	PASS
		2462	-11.25	≤8.00	PASS
11G	Ant1	2412	-13.38	≤8.00	PASS
		2437	-12.68	≤8.00	PASS
		2462	-12.59	≤8.00	PASS
11N20SISO	Ant1	2412	-13.75	≤8.00	PASS
		2437	-11.98	≤8.00	PASS
		2462	-13.30	≤8.00	PASS
11N40SISO	Ant1	2422	-16.09	≤8.00	PASS
		2437	-15.14	≤8.00	PASS
		2452	-15.82	≤8.00	PASS

Test Graphs

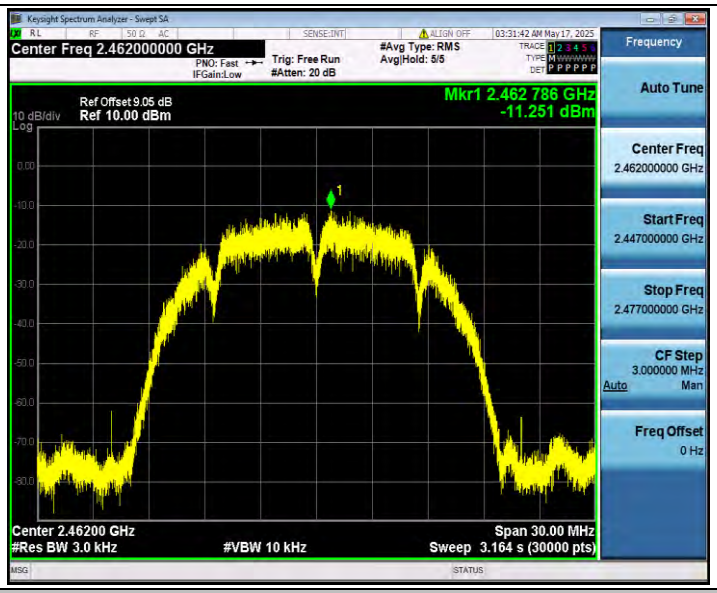
11B_Ant1_2412



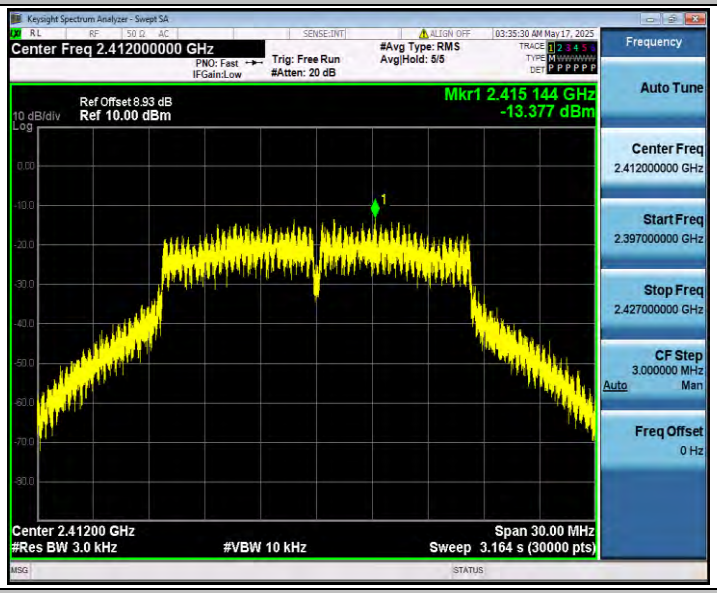
11B_Ant1_2437



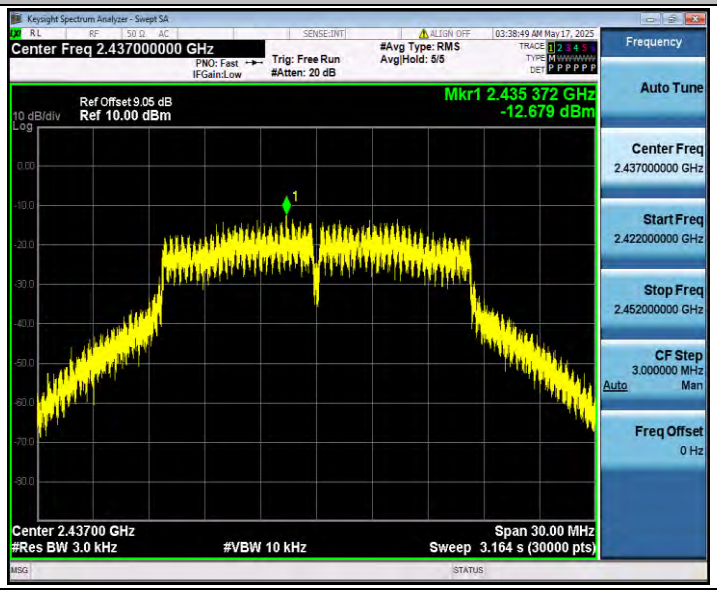
11B_Ant1_2462



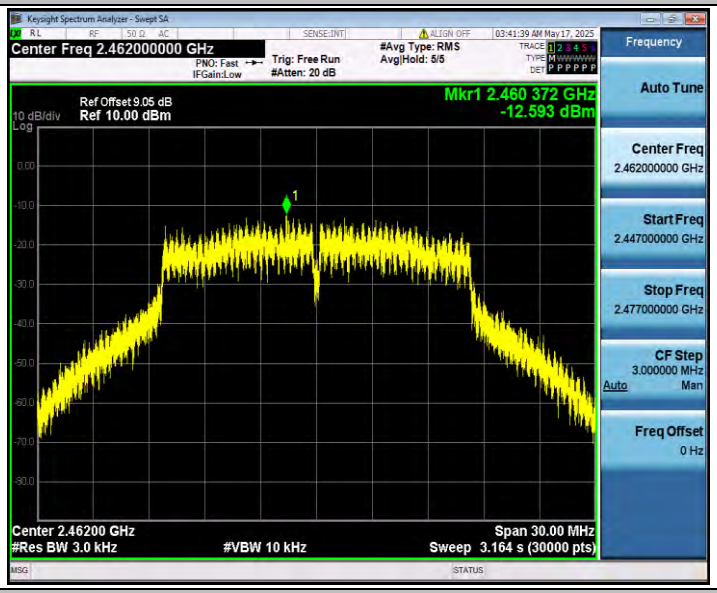
11G_Ant1_2412



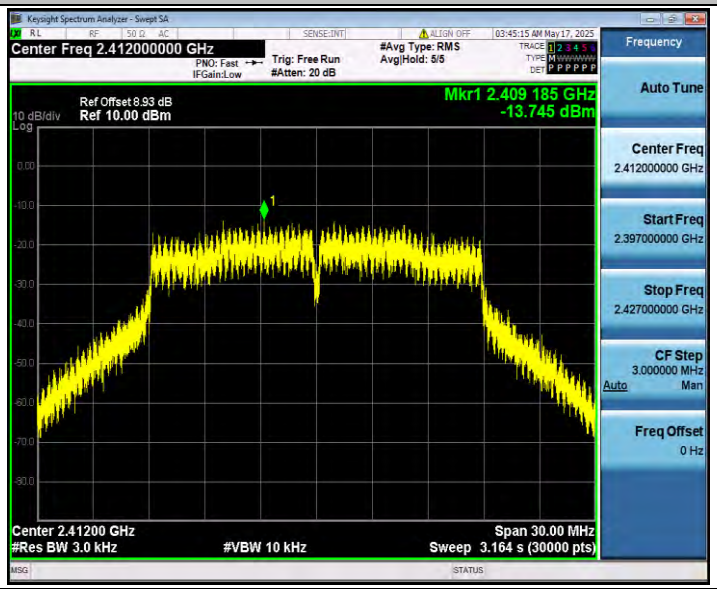
11G_Ant1_2437



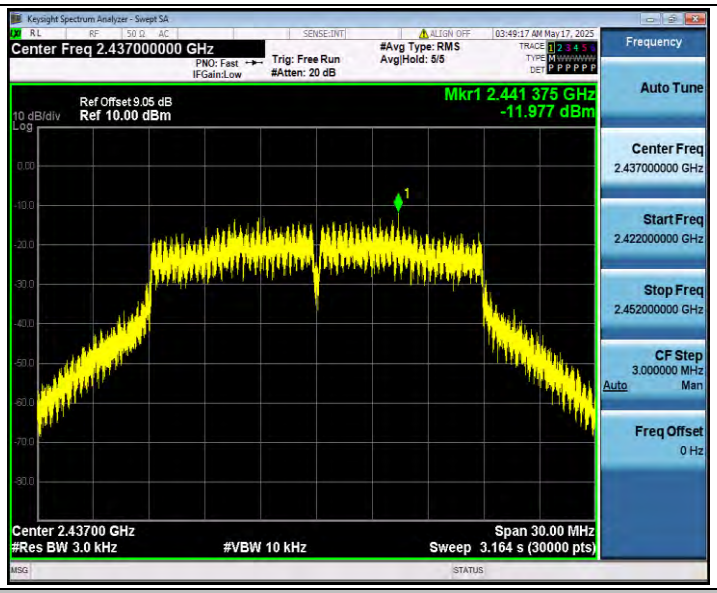
11G_Ant1_2462



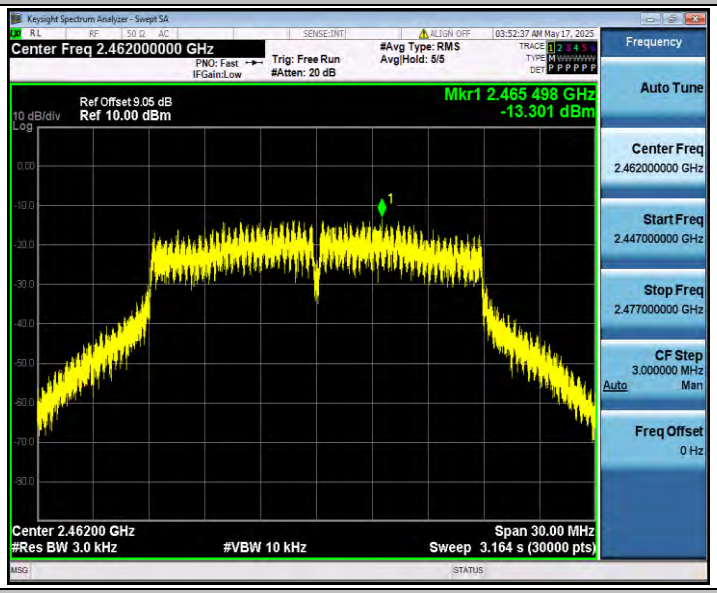
11N20SISO_Ant1_2412



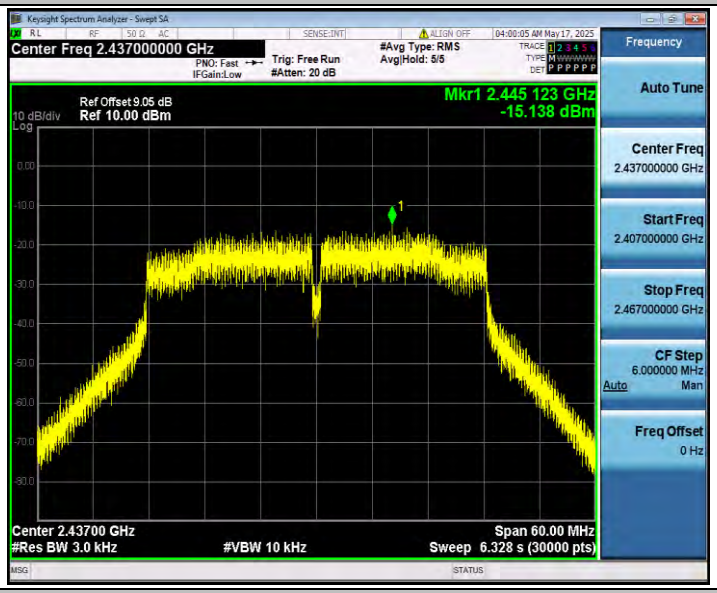
11N20SISO_Ant1_2437

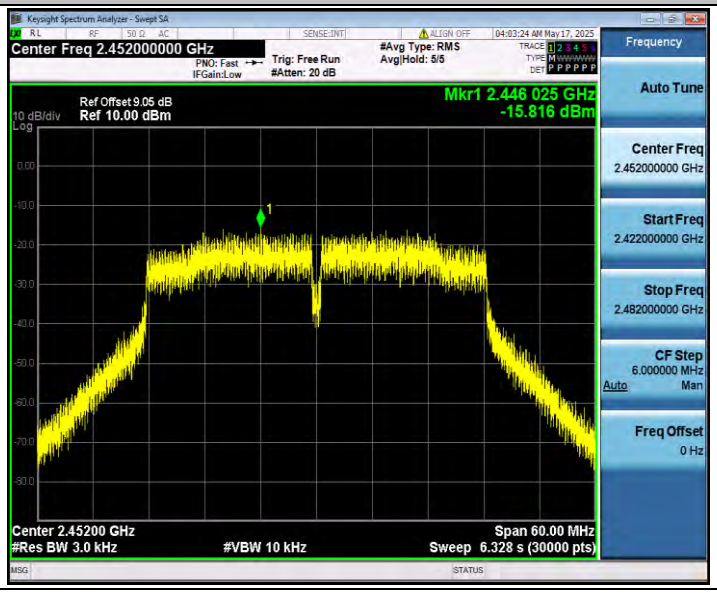


11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

11N40SISO_Ant1_2437


11N40SISO_Ant1_2452


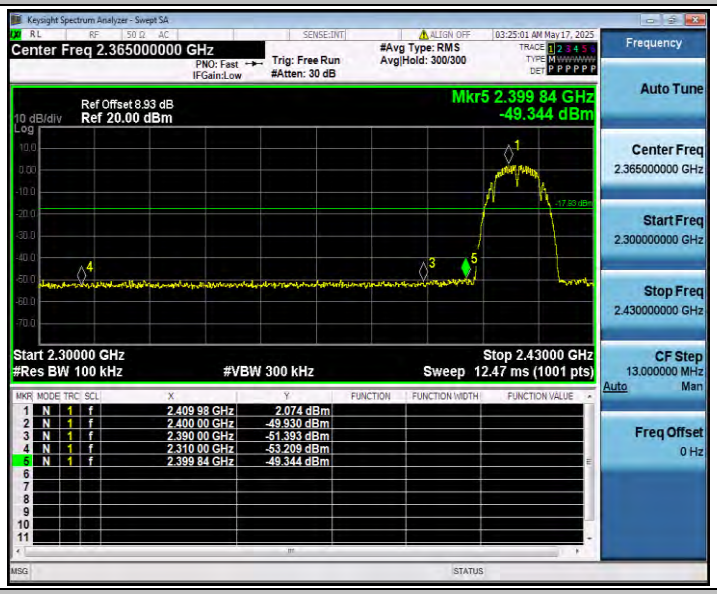
Appendix C.5: Band edge measurements

Test Result

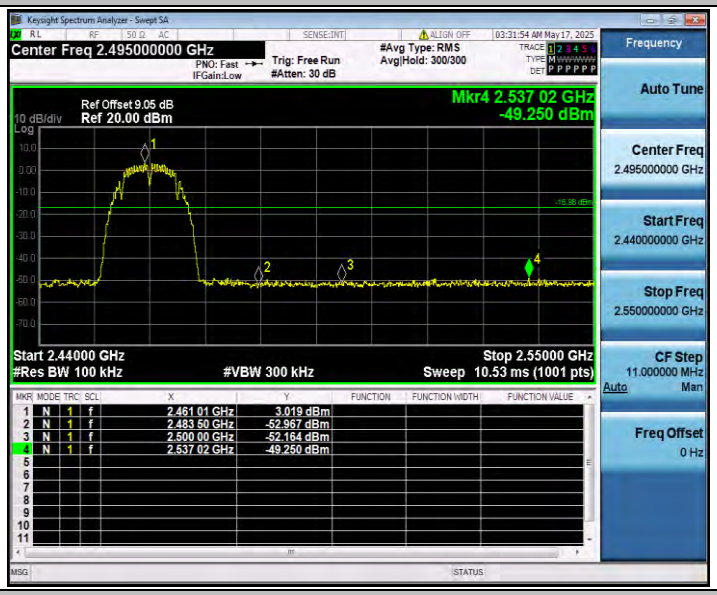
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.07	-49.34	≤-17.93	PASS
		High	2462	3.02	-49.25	≤-16.98	PASS
11G	Ant1	Low	2412	1.44	-27.1	≤-18.57	PASS
		High	2462	2.58	-48.59	≤-17.42	PASS
11N20SISO	Ant1	Low	2412	1.28	-27.98	≤-18.72	PASS
		High	2462	2.19	-49.46	≤-17.81	PASS
11N40SISO	Ant1	Low	2422	-1.62	-29.56	≤-21.62	PASS
		High	2452	-1.49	-46.89	≤-21.49	PASS

Test Graphs

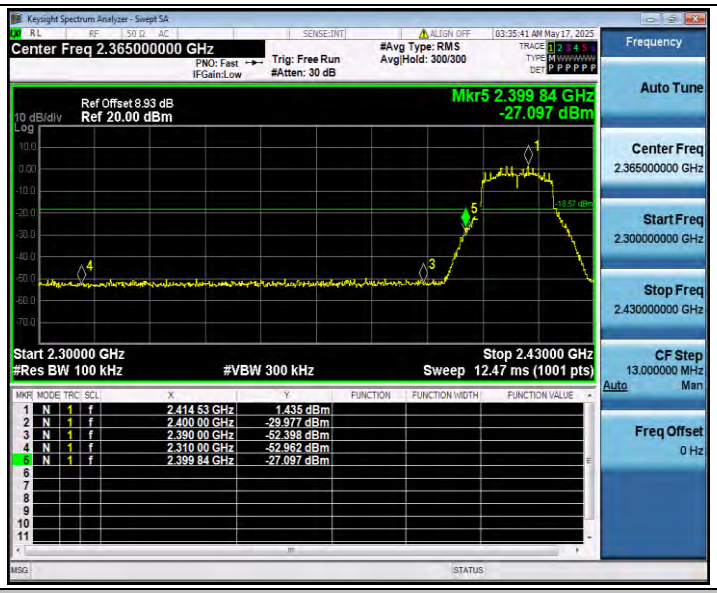
11B_Ant1_Low_2412



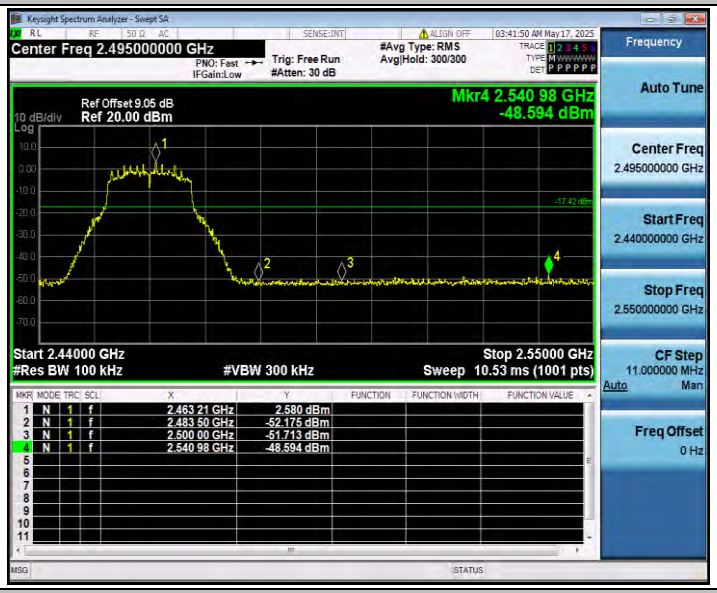
11B_Ant1_High_2462



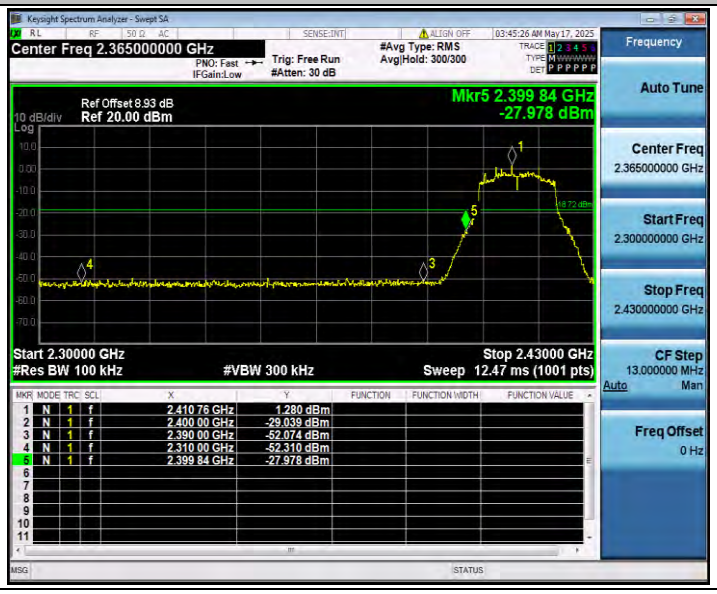
11G_Ant1_Low_2412



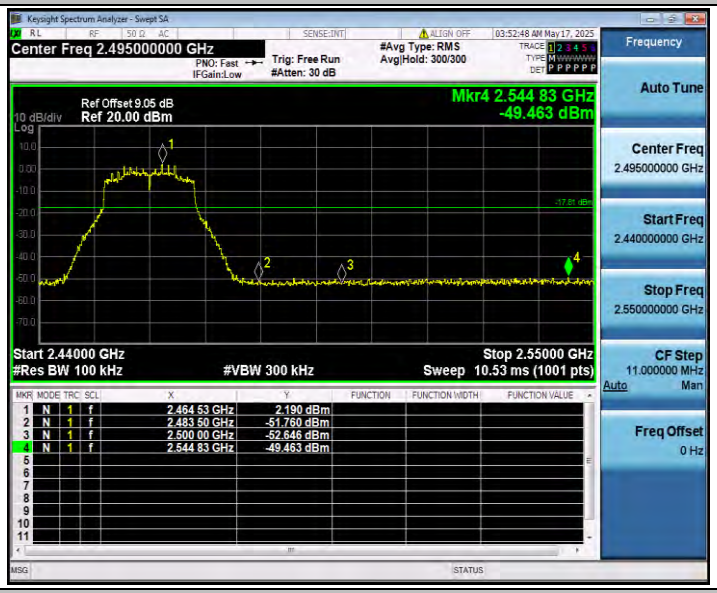
11G_Ant1_High_2462



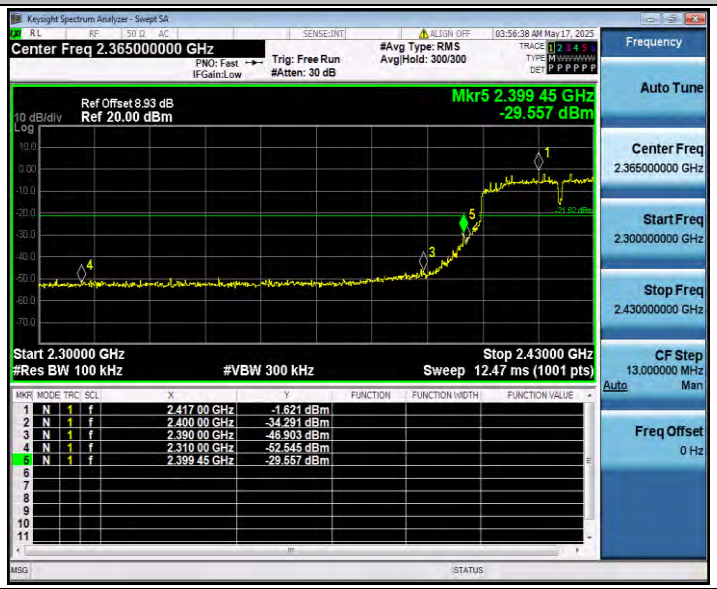
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.495000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 300/300
Ref Offset 9.05 dB
10 dB/div
Ref 20.00 dBm
Mkr4 2.483 89 GHz
-46.888 dBm
Start 2.44000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.55000 GHz
Sweep 10.53 ms (1001 pts)
1 N 1 f 2.455 73 GHz -1.489 dBm
2 N 1 f 2.483 50 GHz -49.474 dBm
3 N 1 f 2.500 00 GHz -51.406 dBm
4 N 1 f 2.483 89 GHz -46.888 dBm
Frequency
Auto Tune
Center Freq
2.495000000 GHz
Start Freq
2.440000000 GHz
Stop Freq
2.550000000 GHz
CF Step
11.000000 MHz
Auto
Man
Freq Offset
0 Hz

Appendix C.6: Conducted Spurious Emission

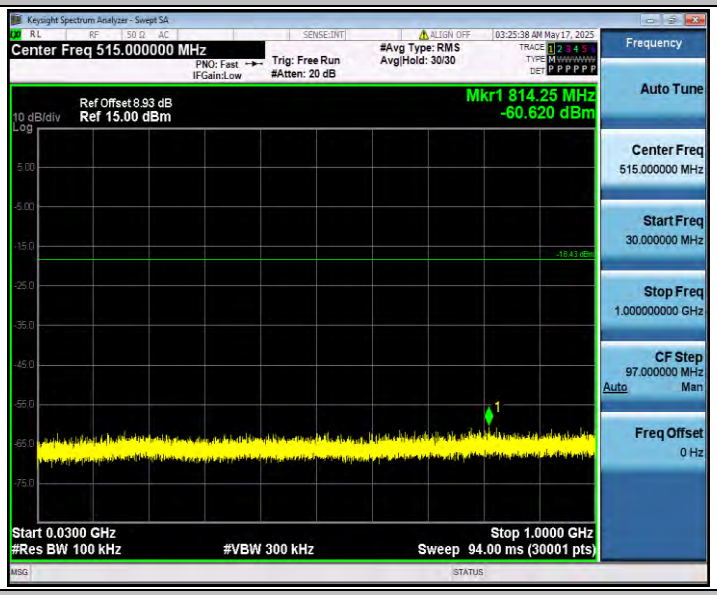
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.57	1.57	---	PASS
			30~1000	1.57	-60.62	≤-18.43	PASS
			1000~26500	1.57	-47.01	≤-18.43	PASS
		2437	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-60.76	≤-17.95	PASS
			1000~26500	2.05	-47.84	≤-17.95	PASS
		2462	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-60.14	≤-18.57	PASS
			1000~26500	1.43	-47.5	≤-18.57	PASS
11G	Ant1	2412	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-60.16	≤-22.34	PASS
			1000~26500	-2.34	-46.76	≤-22.34	PASS
		2437	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-60.37	≤-22.09	PASS
			1000~26500	-2.09	-47.29	≤-22.09	PASS
		2462	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-60.36	≤-18.76	PASS
			1000~26500	1.24	-46.76	≤-18.76	PASS
11N20SISO	Ant1	2412	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-60.86	≤-20.79	PASS
			1000~26500	-0.79	-46.81	≤-20.79	PASS
		2437	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-60.34	≤-22.15	PASS
			1000~26500	-2.15	-47.67	≤-22.15	PASS
		2462	Reference	1.65	1.65	---	PASS
			30~1000	1.65	-60.44	≤-18.35	PASS
			1000~26500	1.65	-47.53	≤-18.35	PASS
11N40SISO	Ant1	2422	Reference	-5.63	-5.63	---	PASS
			30~1000	-5.63	-59.95	≤-25.63	PASS
			1000~26500	-5.63	-47.67	≤-25.63	PASS
		2437	Reference	-1.96	-1.96	---	PASS
			30~1000	-1.96	-60.69	≤-21.96	PASS
			1000~26500	-1.96	-47.92	≤-21.96	PASS
		2452	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-60.08	≤-21.82	PASS
			1000~26500	-1.82	-48.05	≤-21.82	PASS

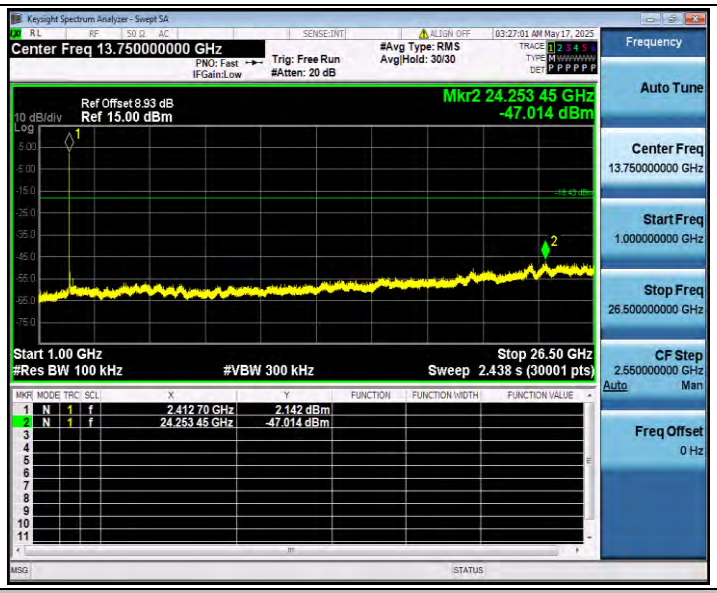
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

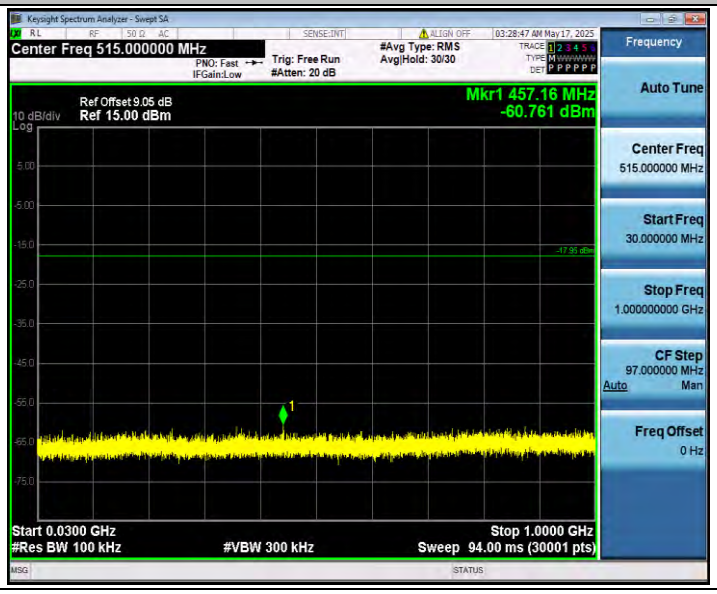


11B_Ant1_2412_1000~26500

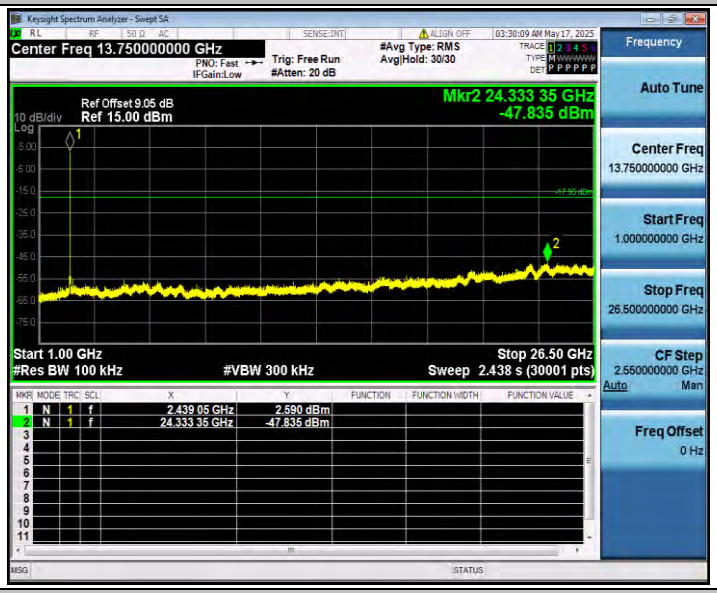


11B_Ant1_2437_0~Reference

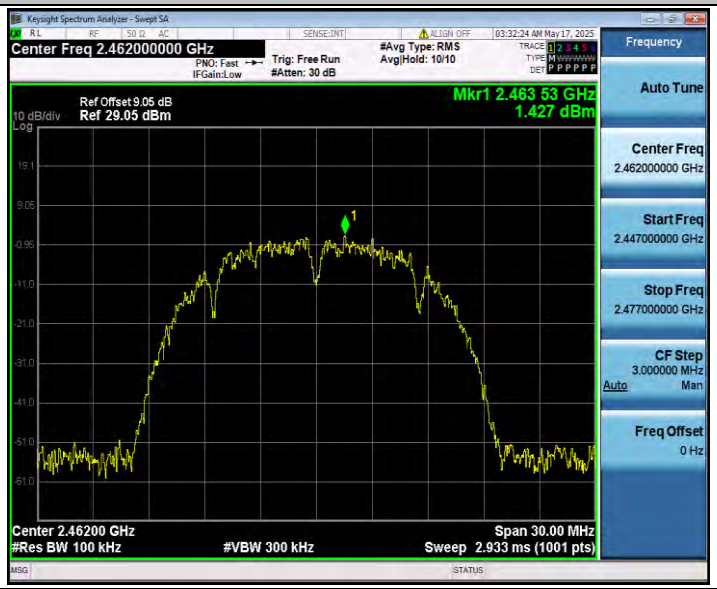
11B_Ant1_2437_30~1000



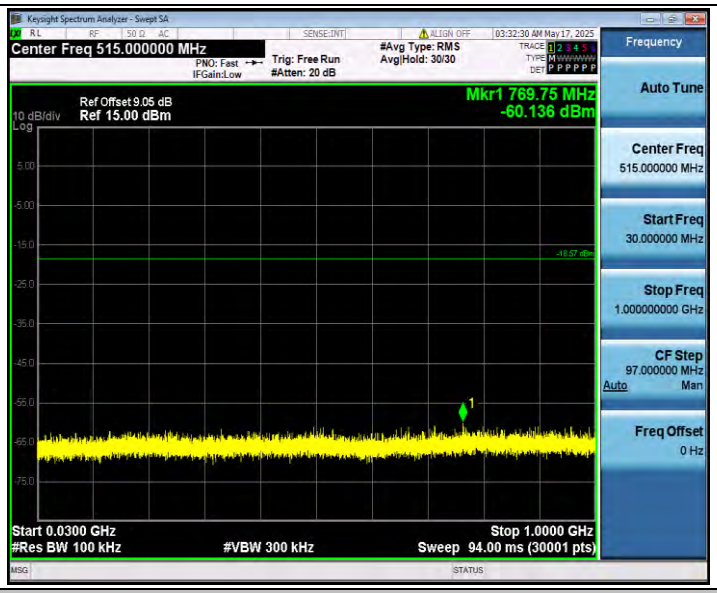
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



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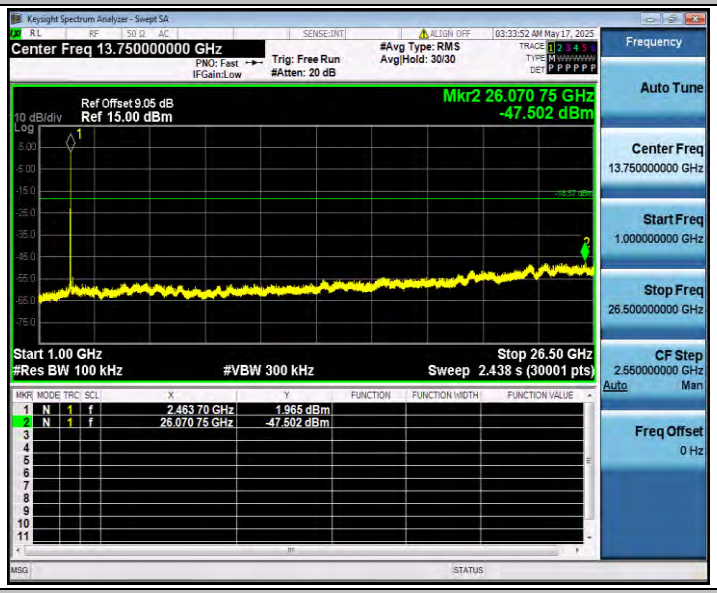
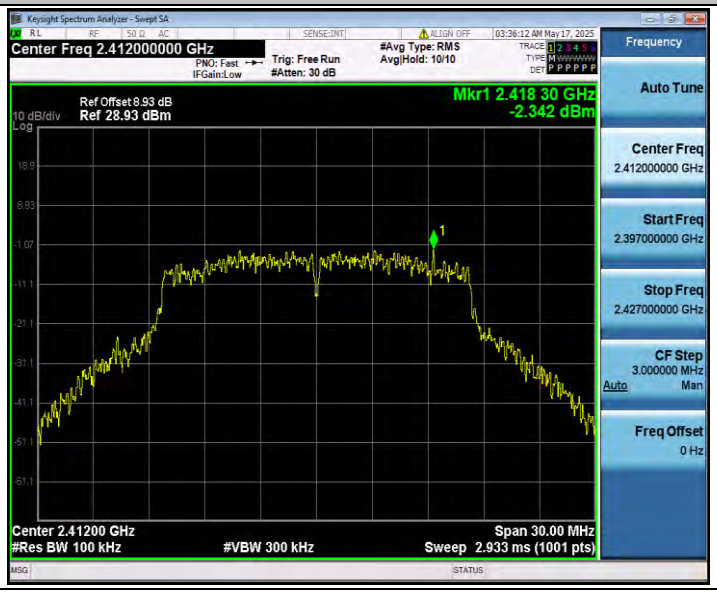


11G_Ant1_2412_0~Reference



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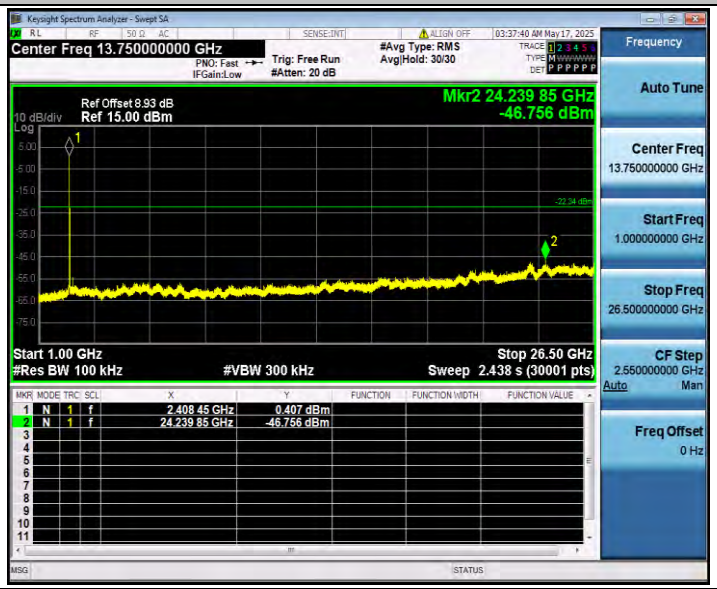
11G_Ant1_2412_1000~26500



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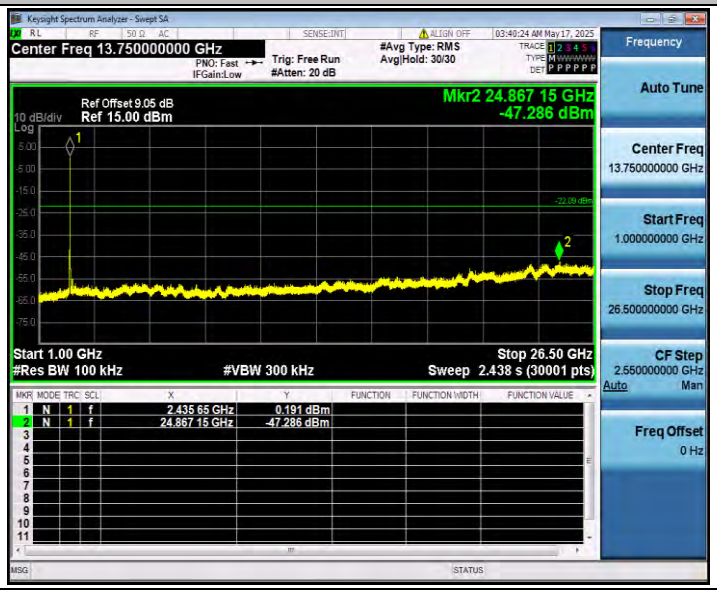
11G_Ant1_2437_30~1000

11G_Ant1_2437_1000~26500



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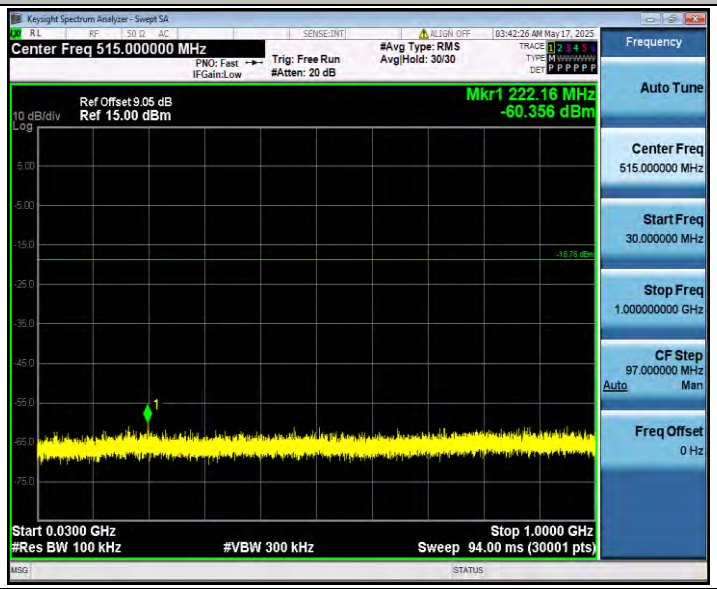
11G_Ant1_2462_30~1000



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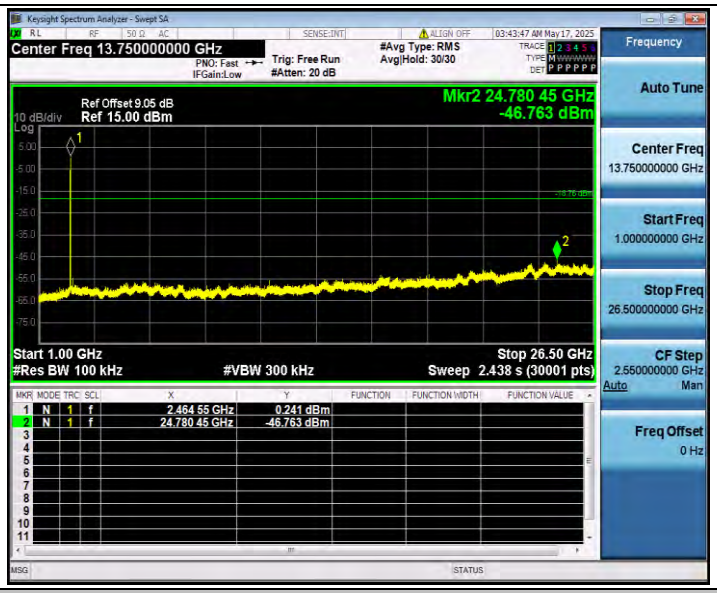
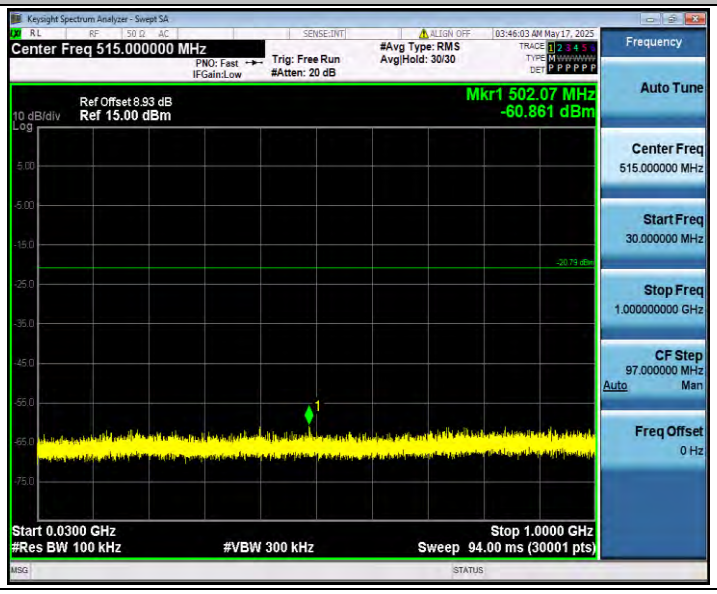


11N20SISO_Ant1_2412_0~Reference

11N20SISO_Ant1_2412_30~1000



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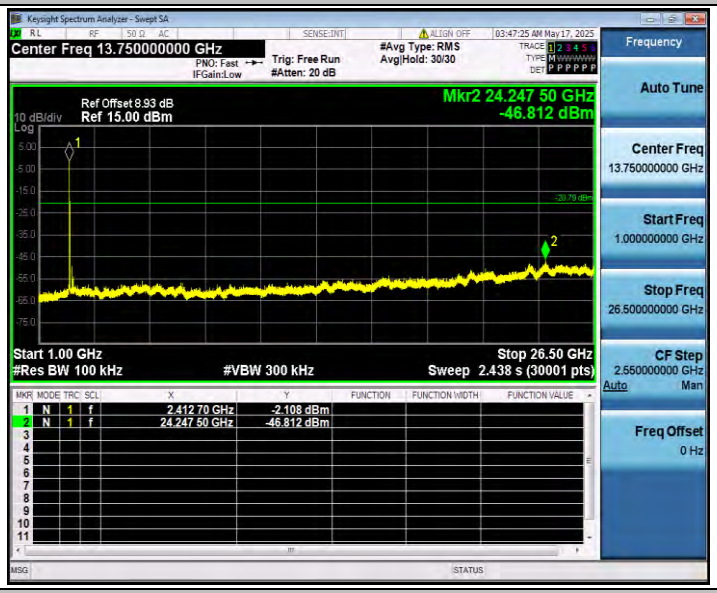

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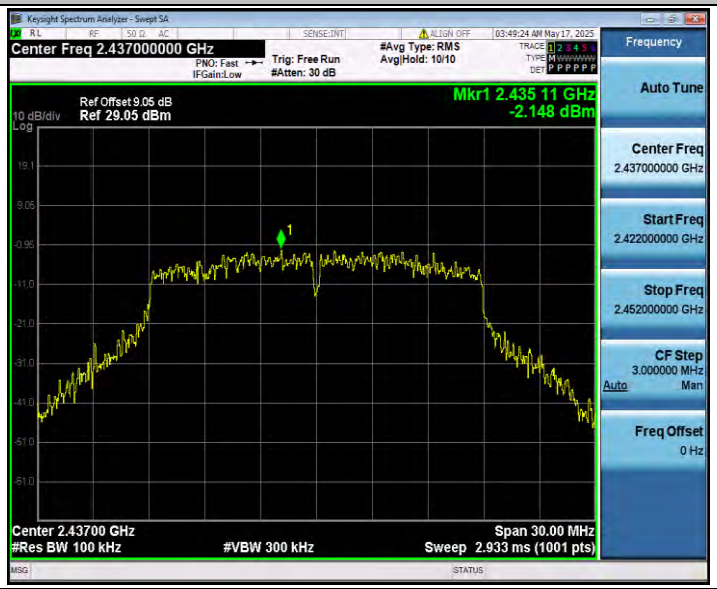
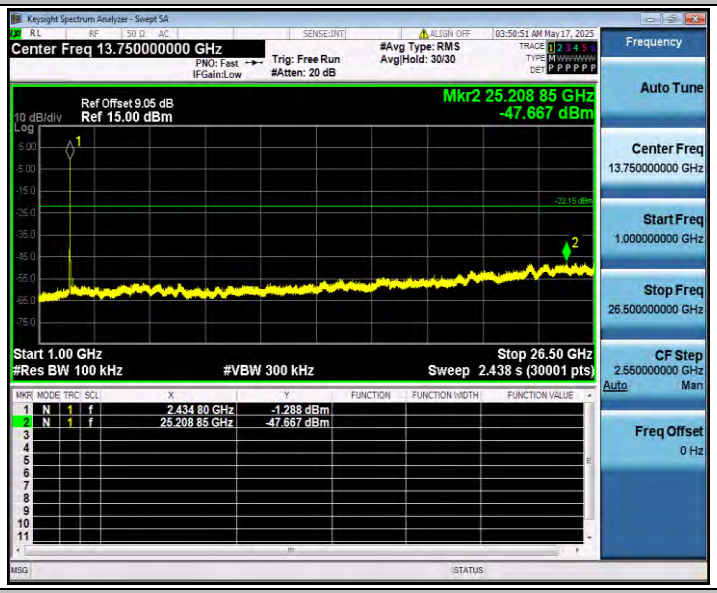
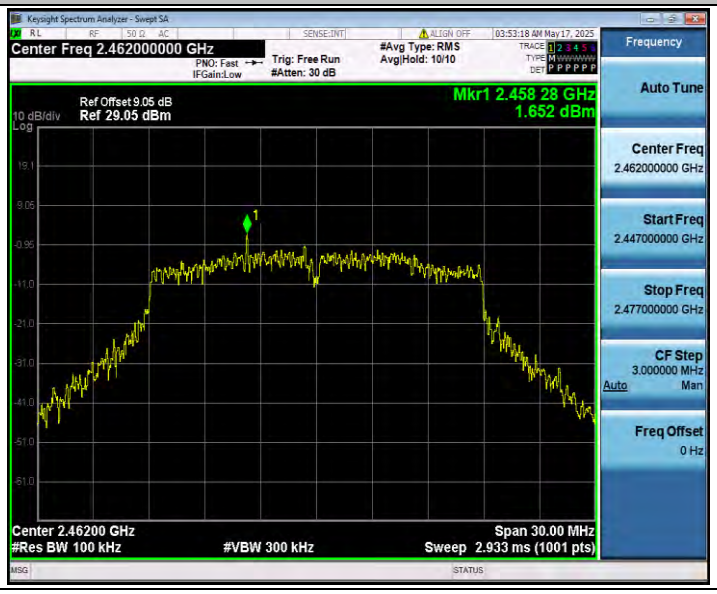


11N20SISO_Ant1_2437_30~1000

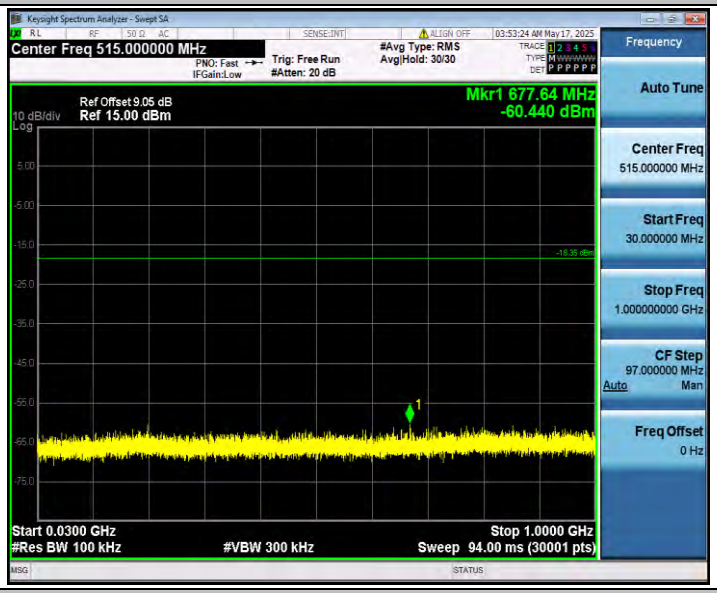
11N20SISO_Ant1_2437_1000~26500



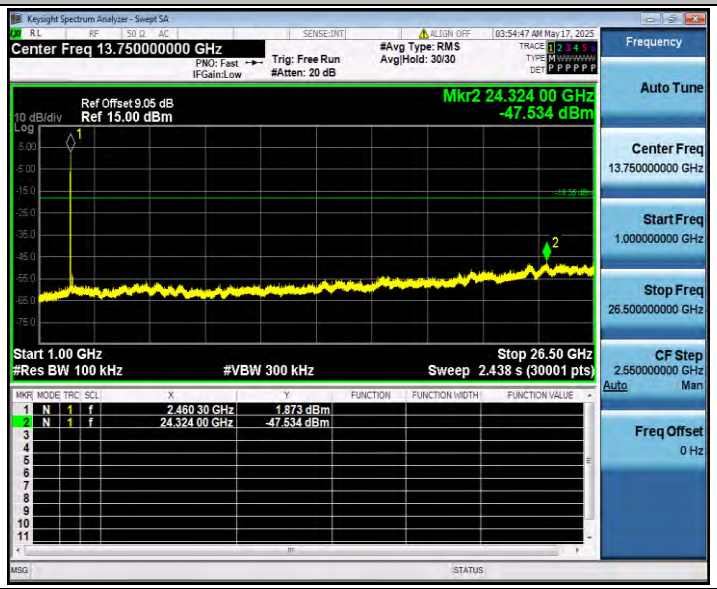
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



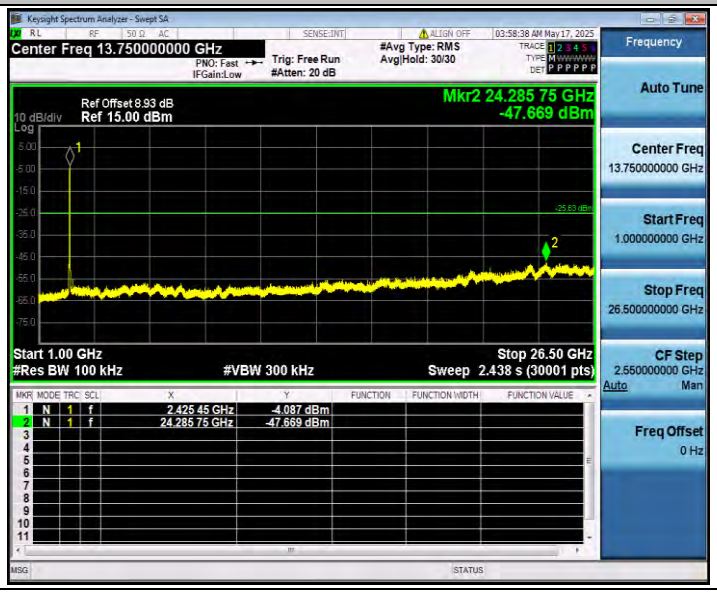
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference

11N40SISO_Ant1_2422_30~1000

11N40SISO_Ant1_2422_1000~26500



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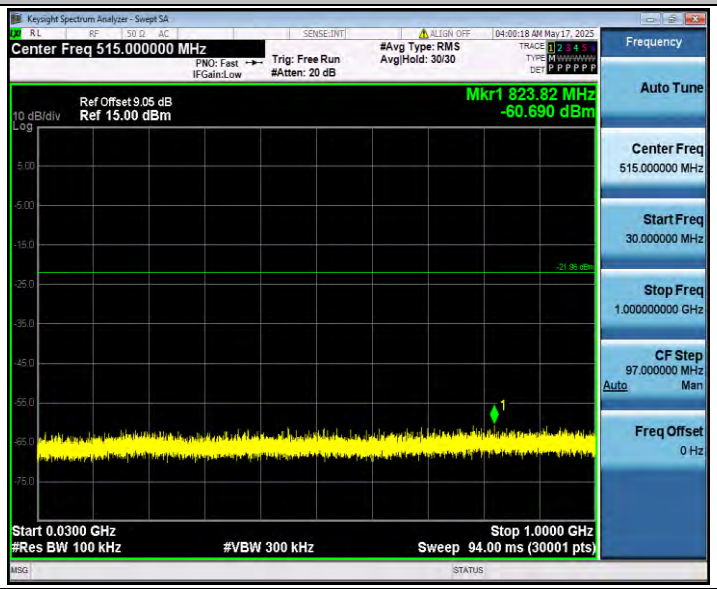
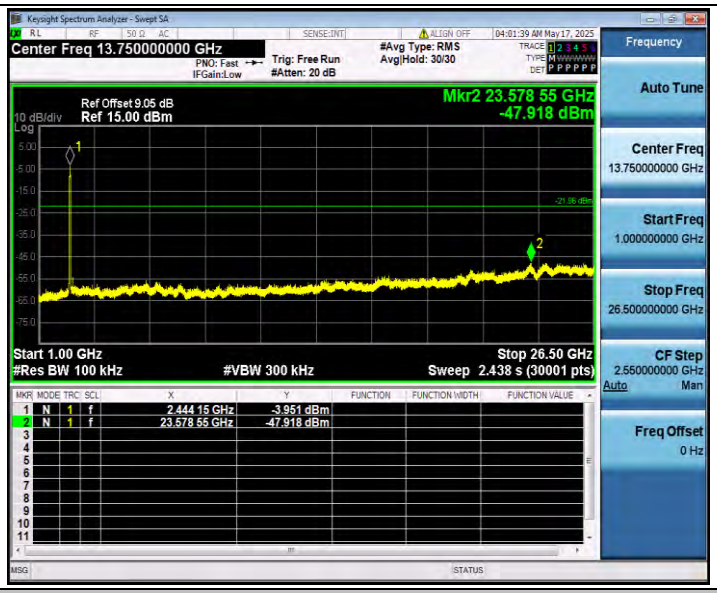
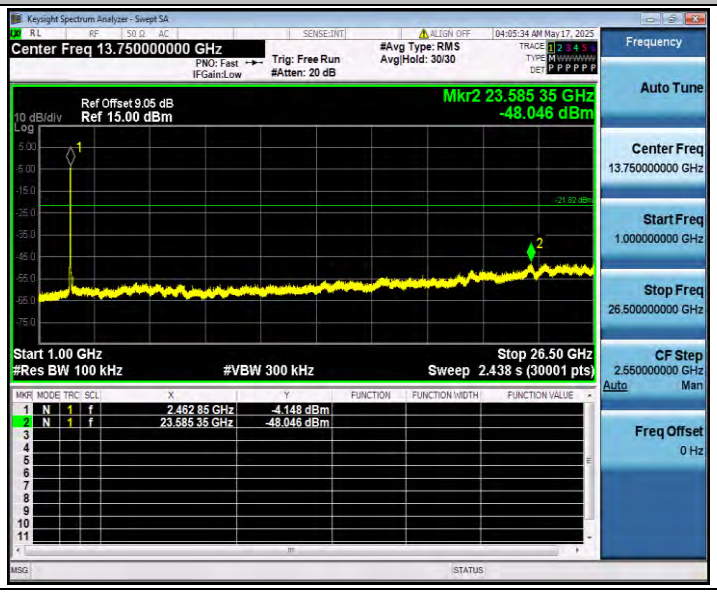


11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference

11N40SISO_Ant1_2452_30~1000

11N40SISO_Ant1_2452_1000~26500