FCC Appendix RF Test Data

FCC ID	**:**	**2BPTB-CTAB12**
Company:	**:**	**LEON TRADE(H.K.)CO.,LIMITED.**
EUT	**:**	**11.97 inch Tablet**
Model Number	**:**	**Ctab 12**
Report No.	**:**	**CTA25050803003**
Reviewed By	**:**	**Eric Wang**

Appendix A: 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	8.560	2432.480	2441.040	0.5	PASS
		2462	9.000	2457.000	2466.000	0.5	PASS
11G	Ant1	2412	15.720	2404.440	2420.160	0.5	PASS
		2437	15.680	2429.480	2445.160	0.5	PASS
		2462	15.920	2454.240	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.080	2404.440	2420.520	0.5	PASS
		2437	15.920	2429.440	2445.360	0.5	PASS
		2462	16.800	2453.960	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.520	2404.480	2440.000	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.520	2434.080	2469.600	0.5	PASS

Test Graphs

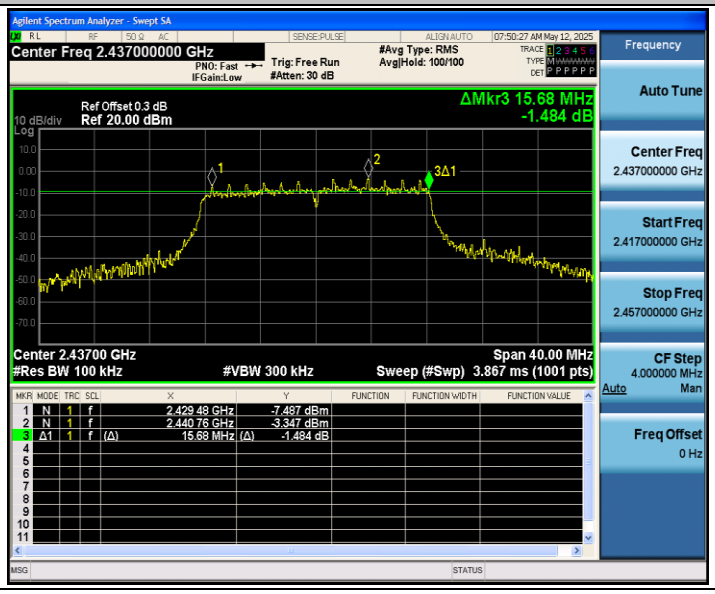
11B_Ant1_2412

11B_Ant1_2437

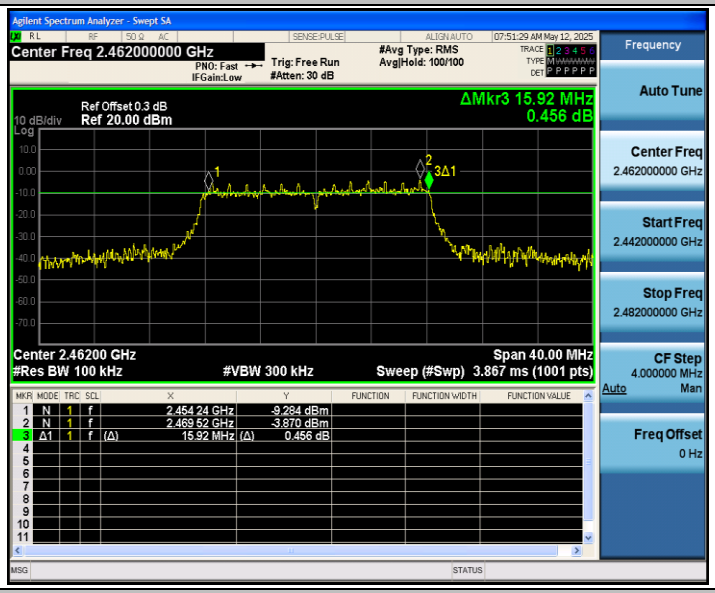
11B_Ant1_2462

11G_Ant1_2412

11G_Ant1_2437

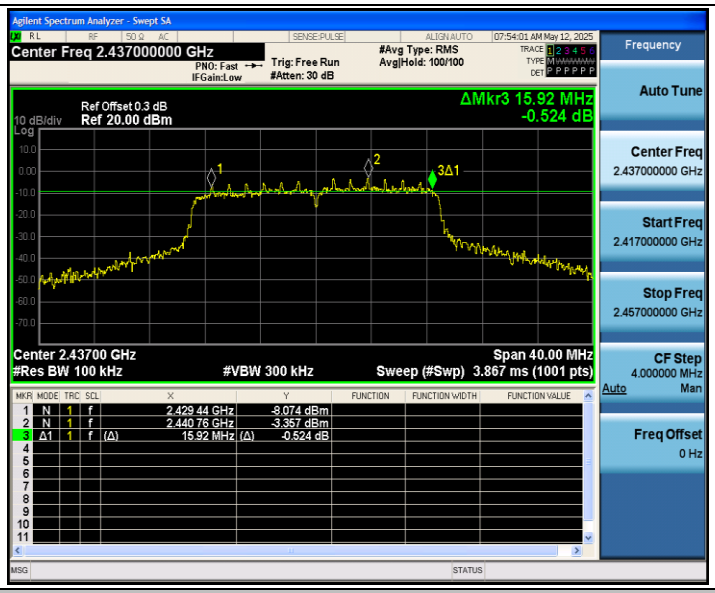


11G_Ant1_2462

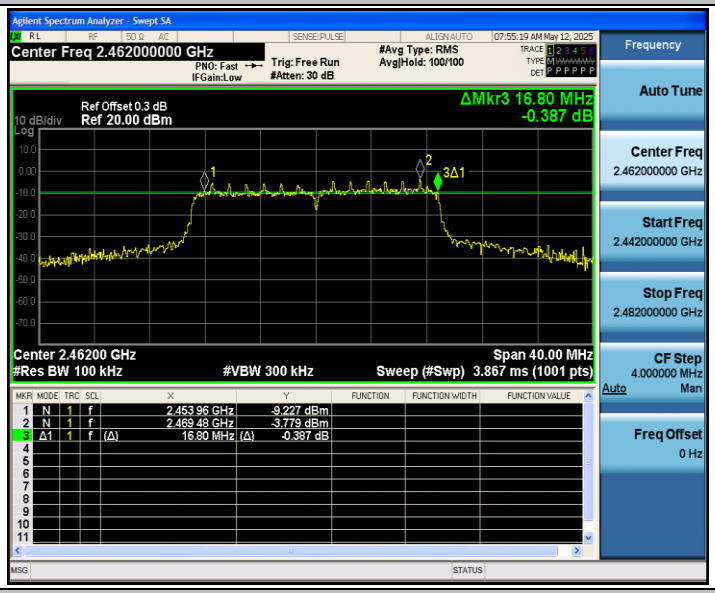


11N20SISO_Ant1_2412

11N20SISO_Ant1_2437

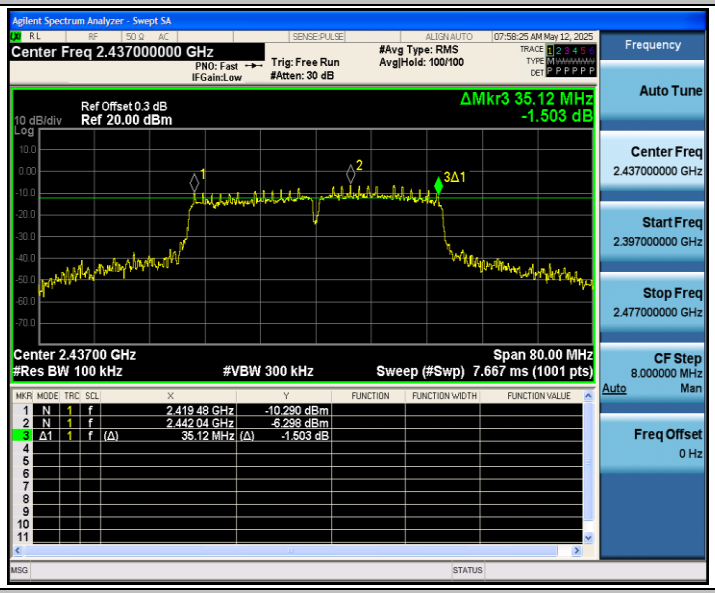


11N20SISO_Ant1_2462

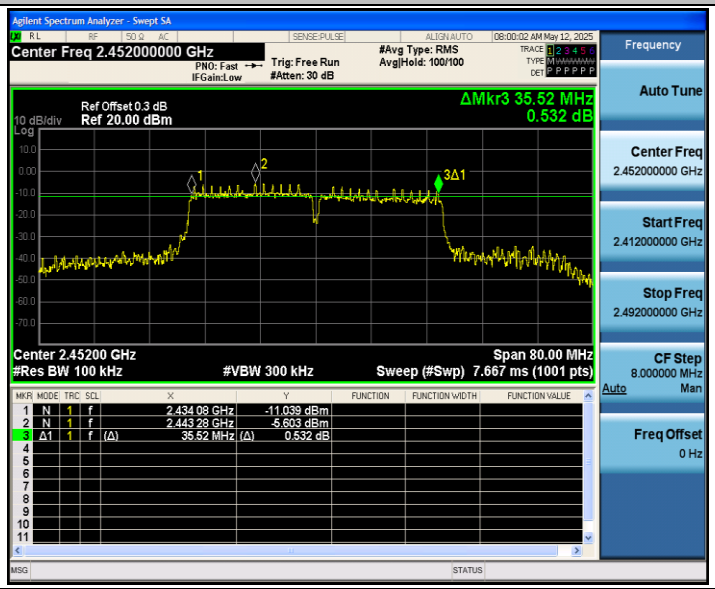


11N40SISO_Ant1_2422

11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



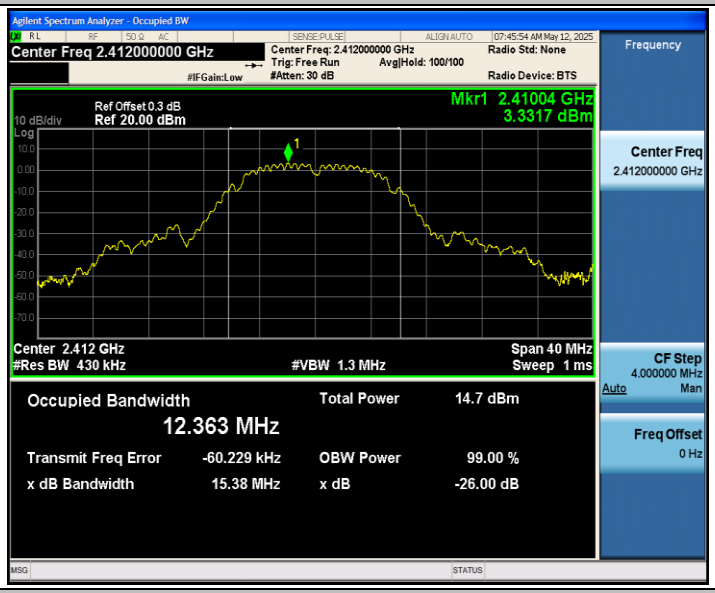
Appendix B: Occupied Channel Bandwidth

Test Result

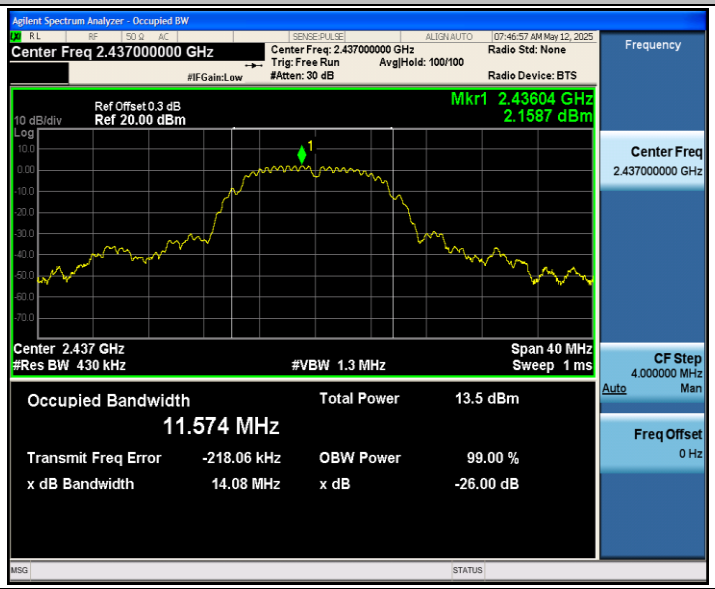
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.363	2405.7583	2418.1213	---	---
		2437	11.574	2430.9949	2442.5689	---	---
		2462	12.715	2455.4420	2468.1570	---	---
11G	Ant1	2412	16.815	2403.7843	2420.5993	---	---
		2437	16.595	2428.8637	2445.4587	---	---
		2462	16.935	2453.6295	2470.5645	---	---
11N20SISO	Ant1	2412	17.883	2403.2789	2421.1619	---	---
		2437	17.581	2428.3444	2445.9254	---	---
		2462	18.004	2453.1175	2471.1215	---	---
11N40SISO	Ant1	2422	36.345	2404.1998	2440.5448	---	---
		2437	36.108	2419.0380	2455.1460	---	---
		2452	36.452	2433.8137	2470.2657	---	---

Test Graphs

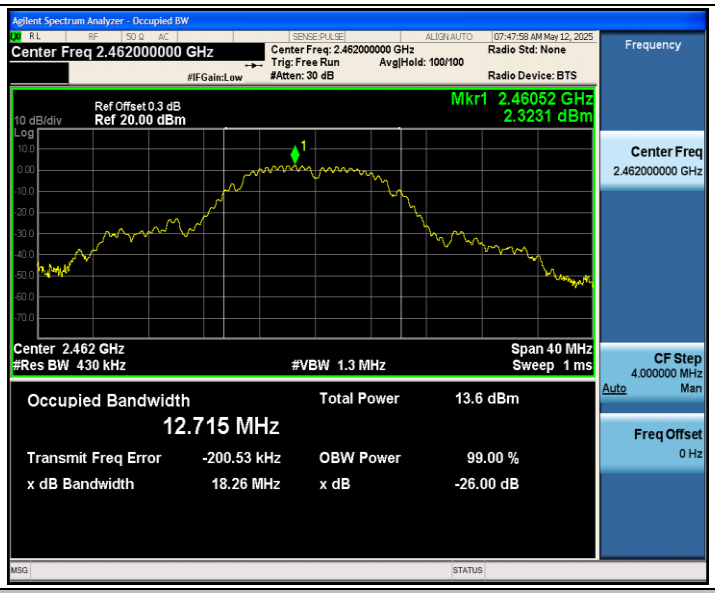
11B_Ant1_2412



11B_Ant1_2437

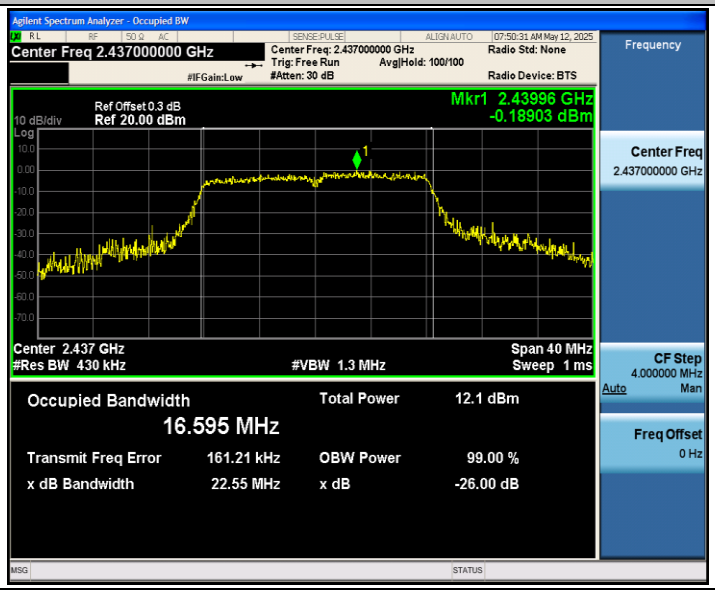


11B_Ant1_2462



11G_Ant1_2412

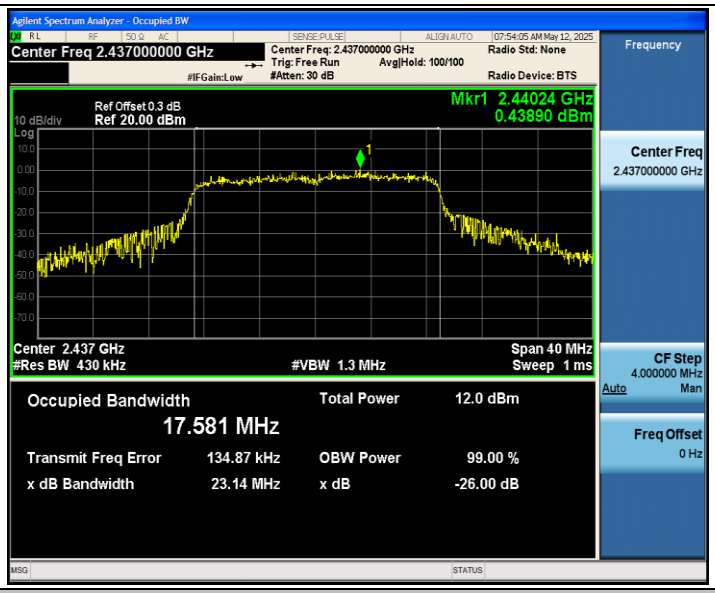
11G_Ant1_2437



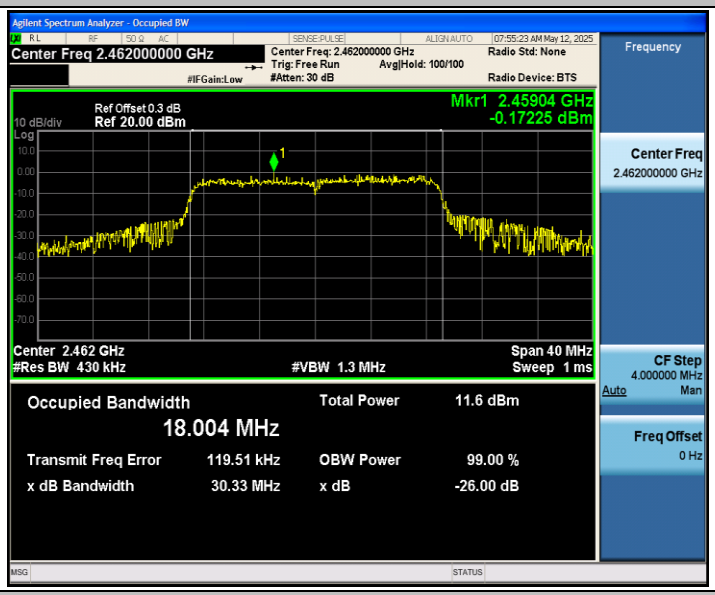
11G_Ant1_2462

11N20SISO_Ant1_2412

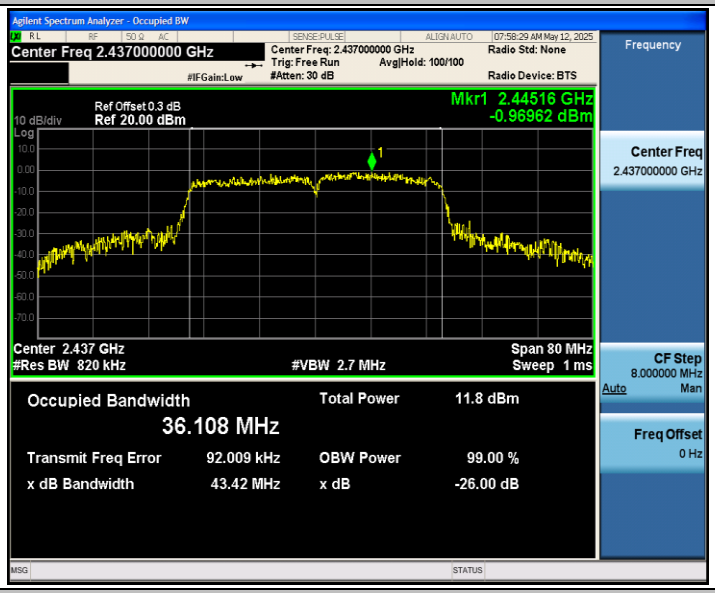
11N20SISO_Ant1_2437

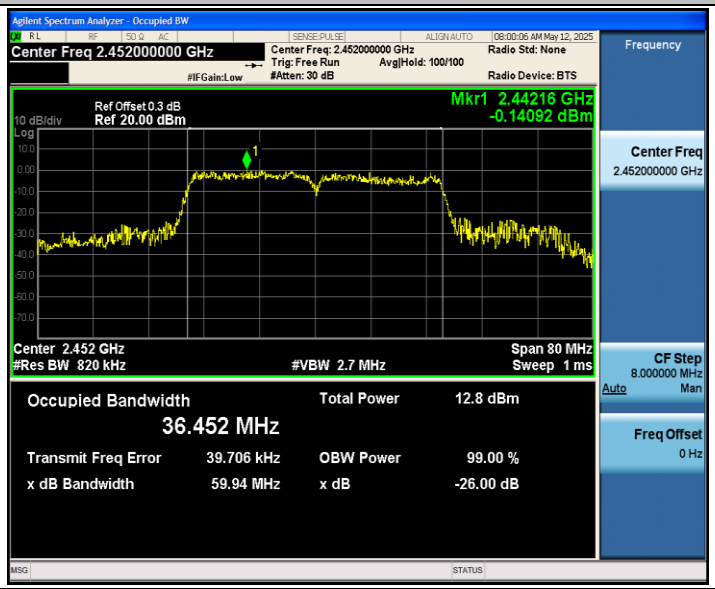


11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

11N40SISO_Ant1_2437


11N40SISO_Ant1_2452


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.66	≤30.00	PASS
		2437	13.20	≤30.00	PASS
		2462	13.35	≤30.00	PASS
11G	Ant1	2412	13.53	≤30.00	PASS
		2437	12.72	≤30.00	PASS
		2462	12.07	≤30.00	PASS
11N20SISO	Ant1	2412	13.41	≤30.00	PASS
		2437	12.47	≤30.00	PASS
		2462	12.12	≤30.00	PASS
11N40SISO	Ant1	2422	12.51	≤30.00	PASS
		2437	11.95	≤30.00	PASS
		2452	12.95	≤30.00	PASS

Appendix D: Maximum power spectral density

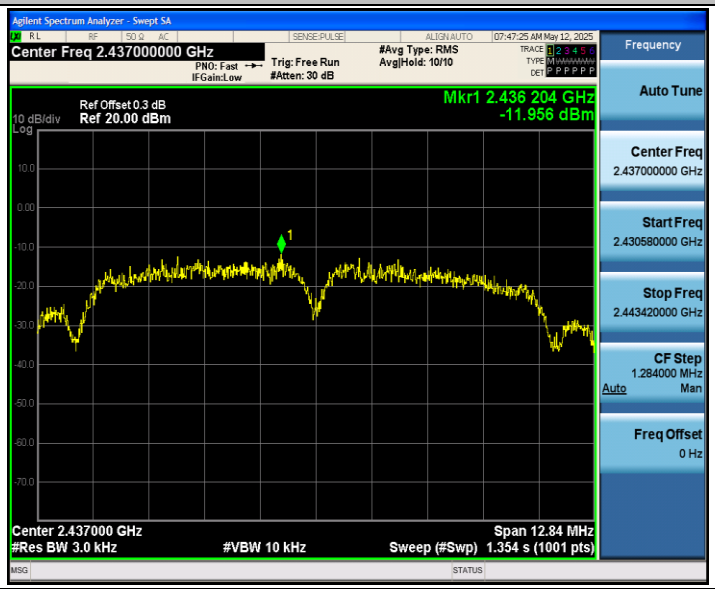
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.43	≤8.00	PASS
		2437	-11.96	≤8.00	PASS
		2462	-11.41	≤8.00	PASS
11G	Ant1	2412	-18.30	≤8.00	PASS
		2437	-18.82	≤8.00	PASS
		2462	-19.74	≤8.00	PASS
11N20SISO	Ant1	2412	-18.41	≤8.00	PASS
		2437	-18.57	≤8.00	PASS
		2462	-20.40	≤8.00	PASS
11N40SISO	Ant1	2422	-22.64	≤8.00	PASS
		2437	-22.69	≤8.00	PASS
		2452	-21.36	≤8.00	PASS

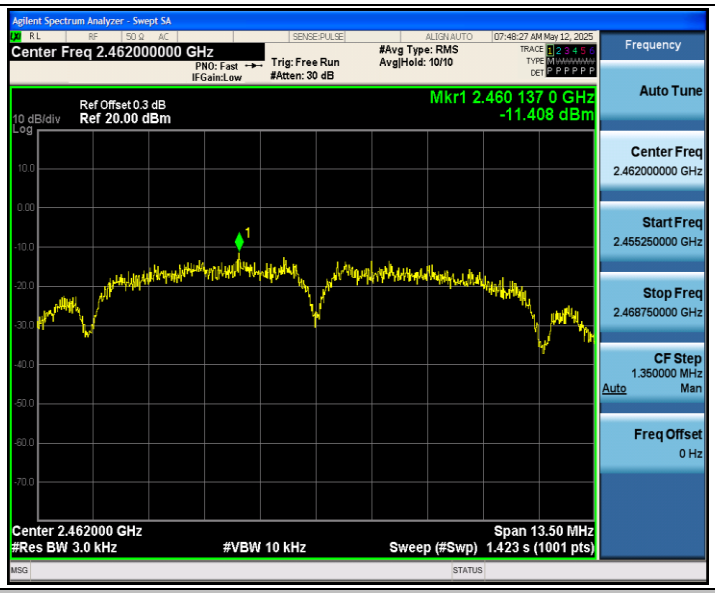
Test Graphs

11B_Ant1_2412

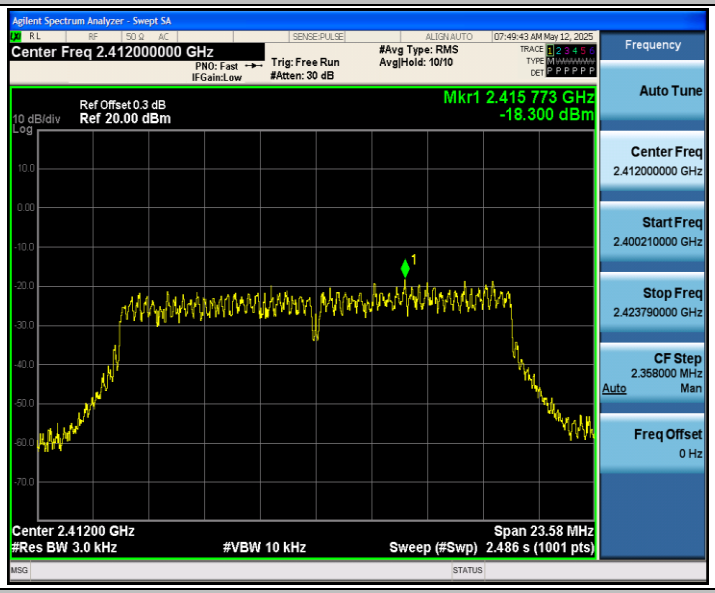
11B_Ant1_2437



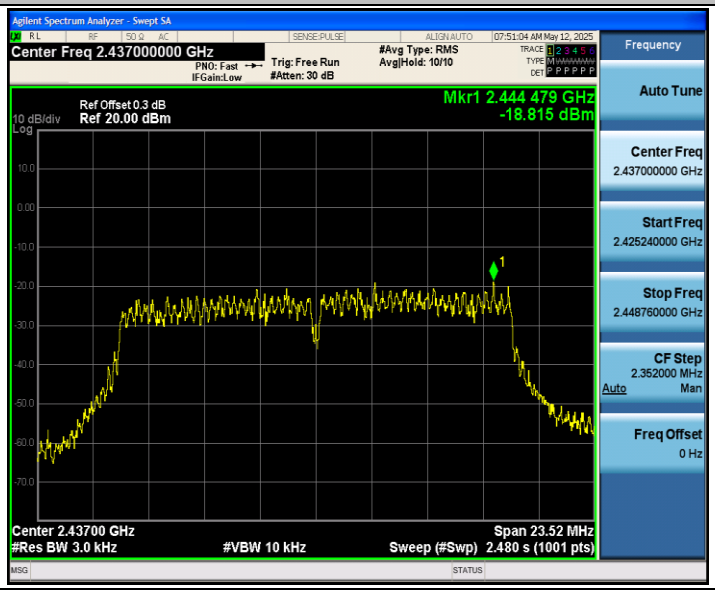
11B_Ant1_2462



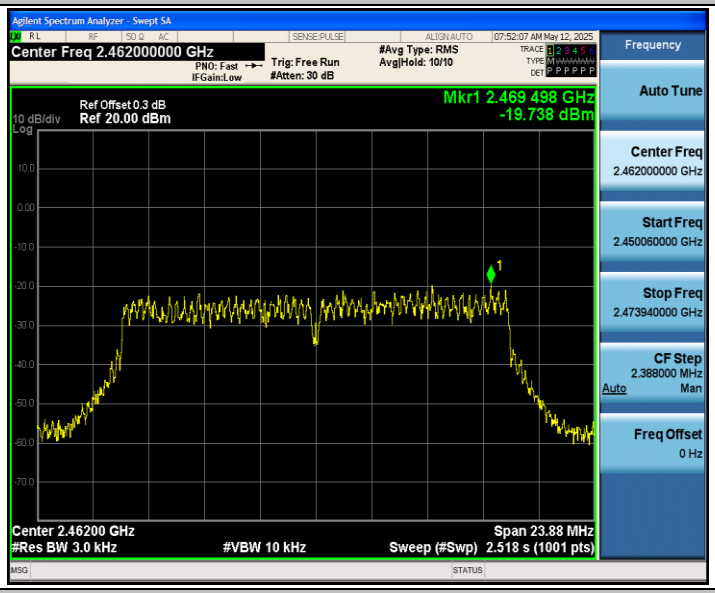
11G_Ant1_2412



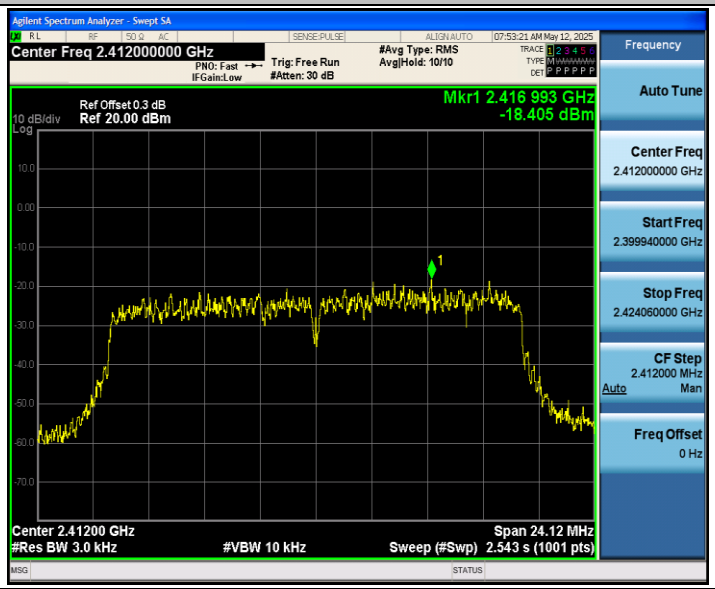
11G_Ant1_2437



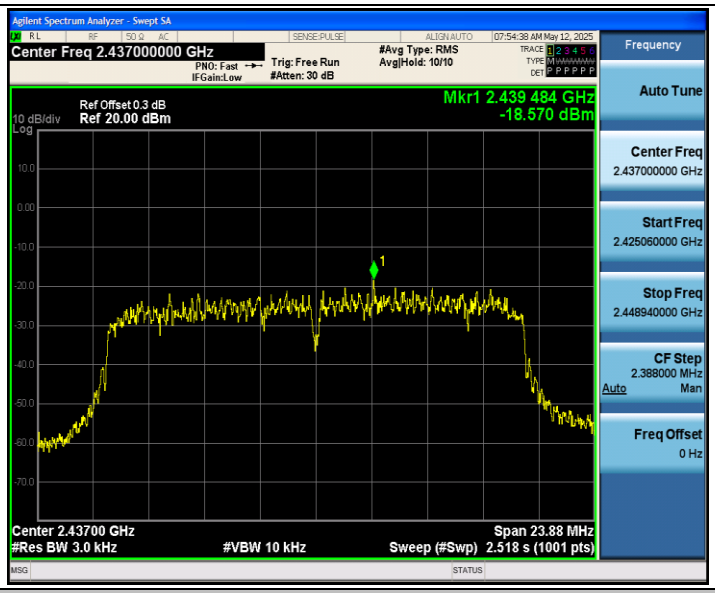
11G_Ant1_2462



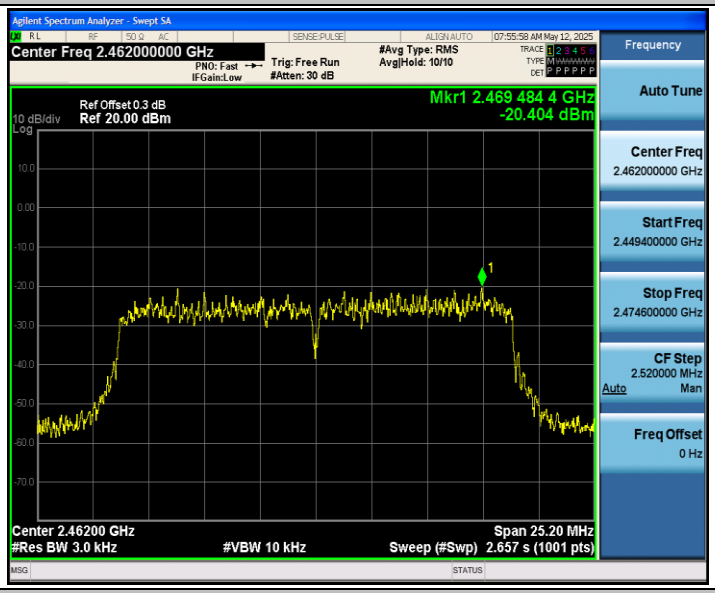
11N20SISO_Ant1_2412



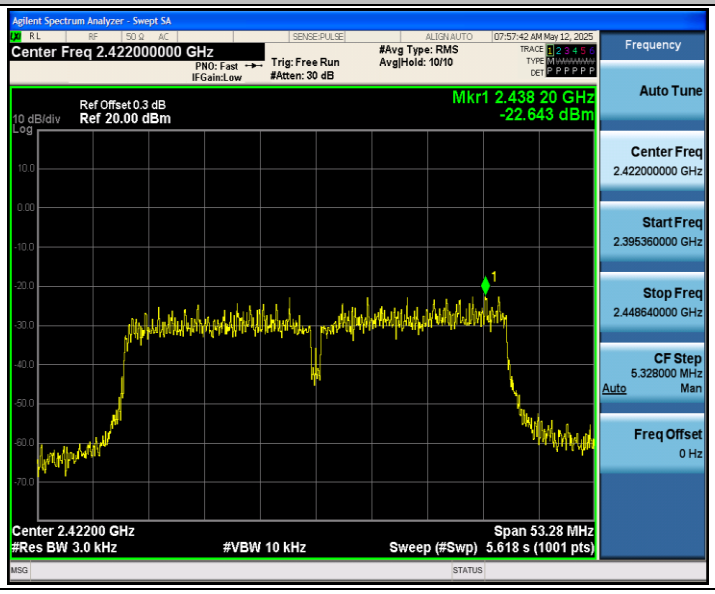
11N20SISO_Ant1_2437

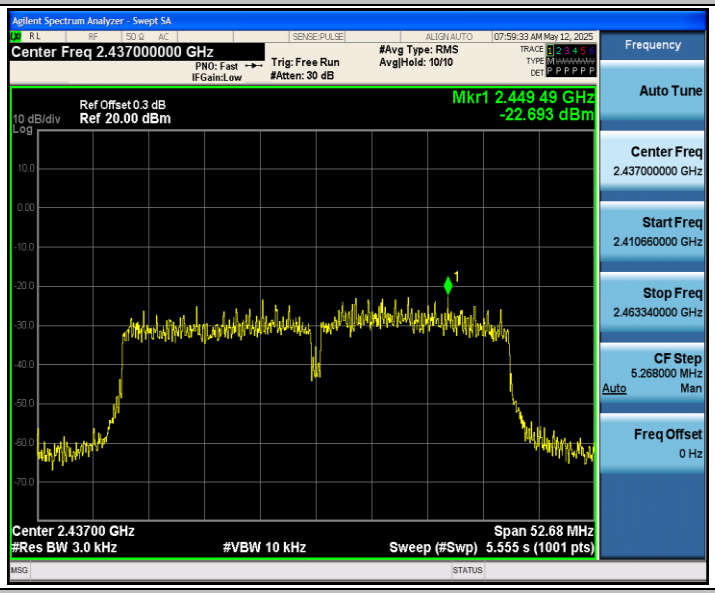


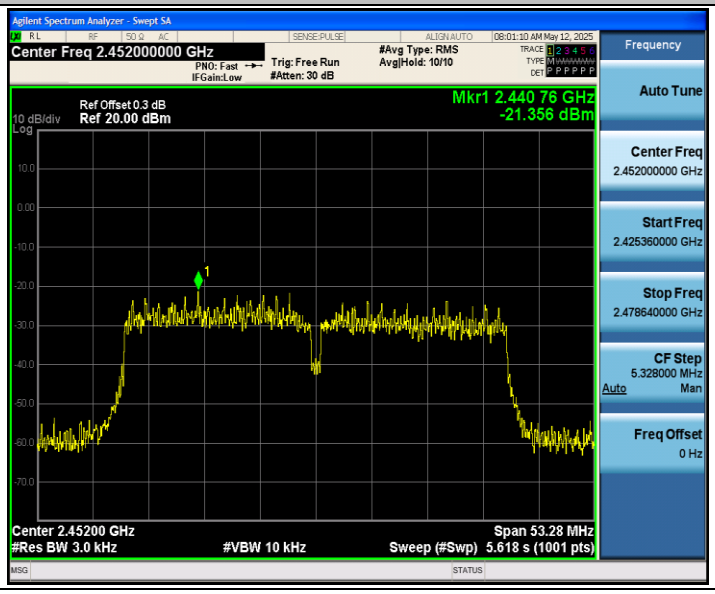
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437


11N40SISO_Ant1_2452


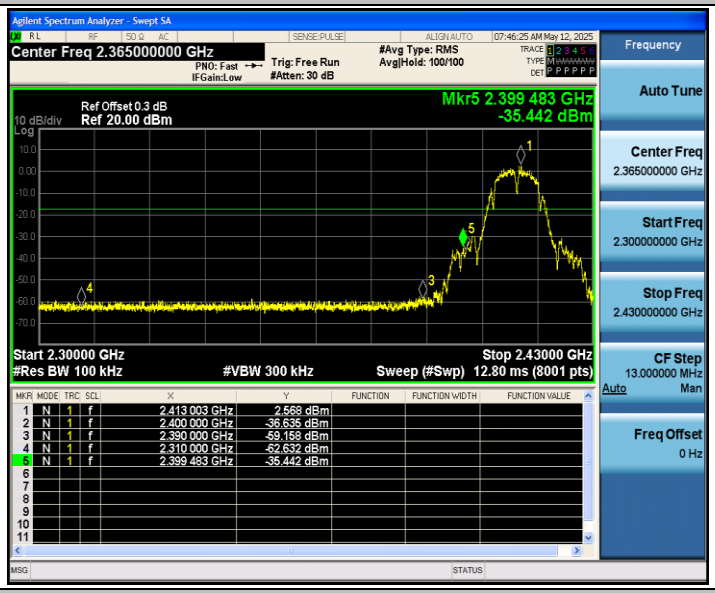
Appendix E: Band edge measurements

Test Result

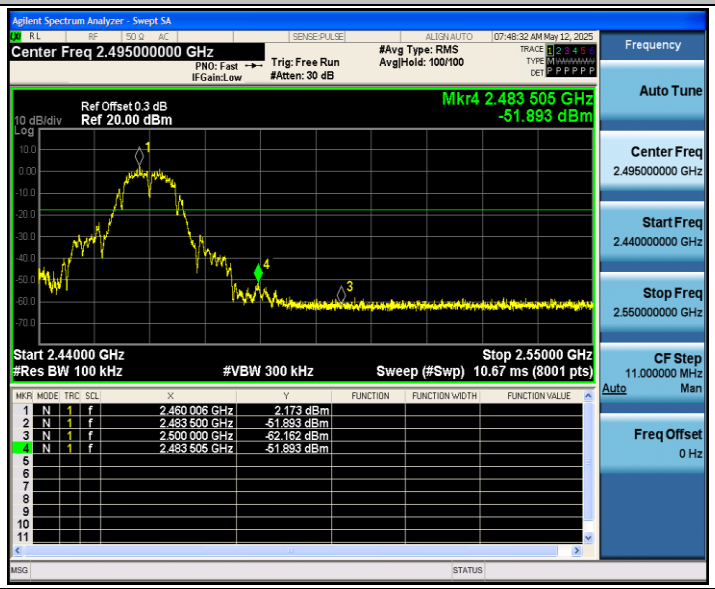
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.57	-35.44	≤-17.43	PASS
		High	2462	2.17	-51.89	≤-17.83	PASS
11G	Ant1	Low	2412	-2.29	-35.32	≤-22.29	PASS
		High	2462	-3.77	-39.3	≤-23.77	PASS
11N20SISO	Ant1	Low	2412	-2.44	-35.86	≤-22.44	PASS
		High	2462	-3.75	-38.75	≤-23.75	PASS
11N40SISO	Ant1	Low	2422	-5.82	-39.41	≤-25.82	PASS
		High	2452	-5.58	-36.09	≤-25.58	PASS

Test Graphs

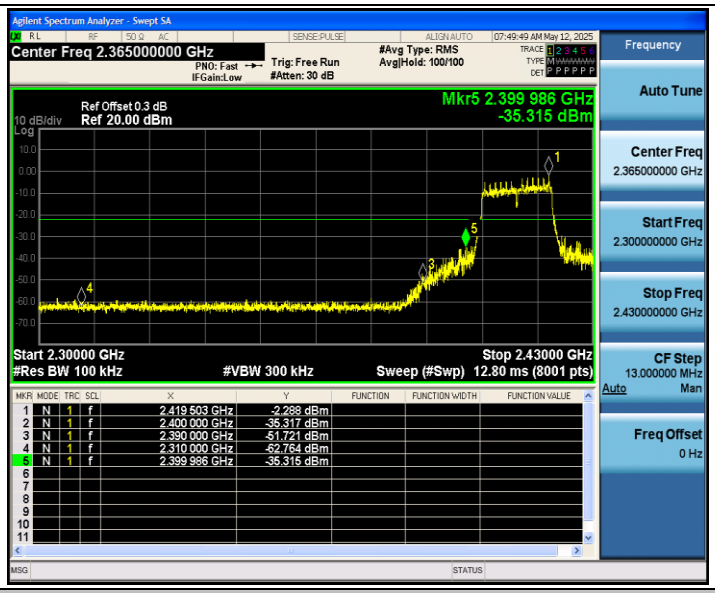
11B_Ant1_Low_2412



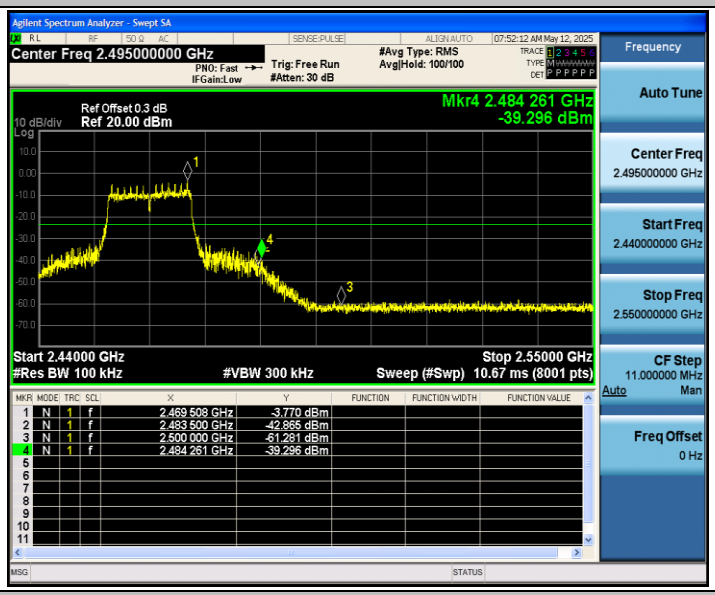
11B_Ant1_High_2462



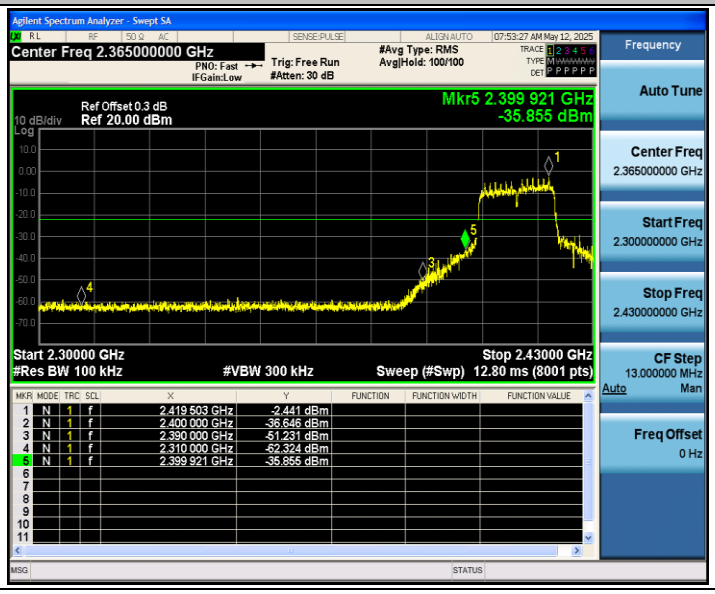
11G_Ant1_Low_2412



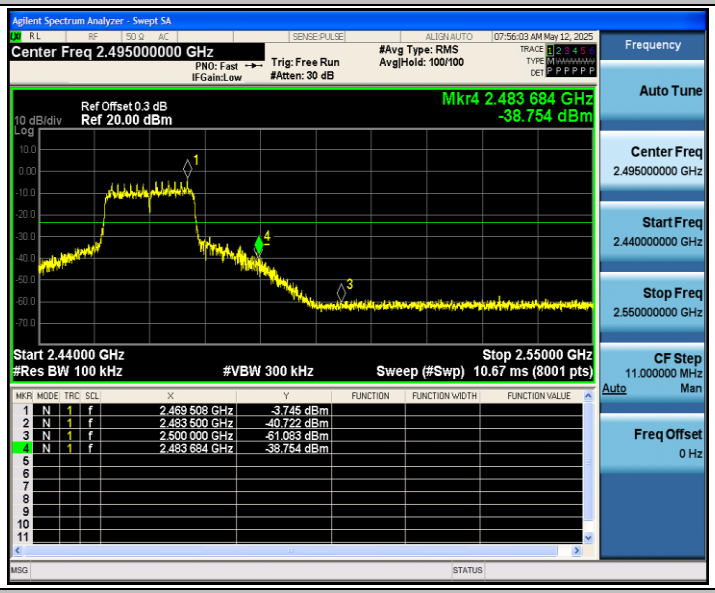
11G_Ant1_High_2462



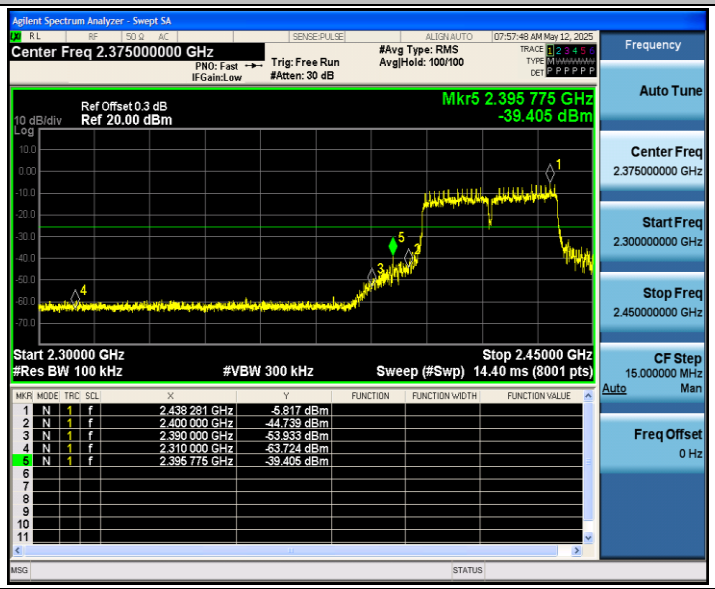
11N20SISO_Ant1_Low_2412



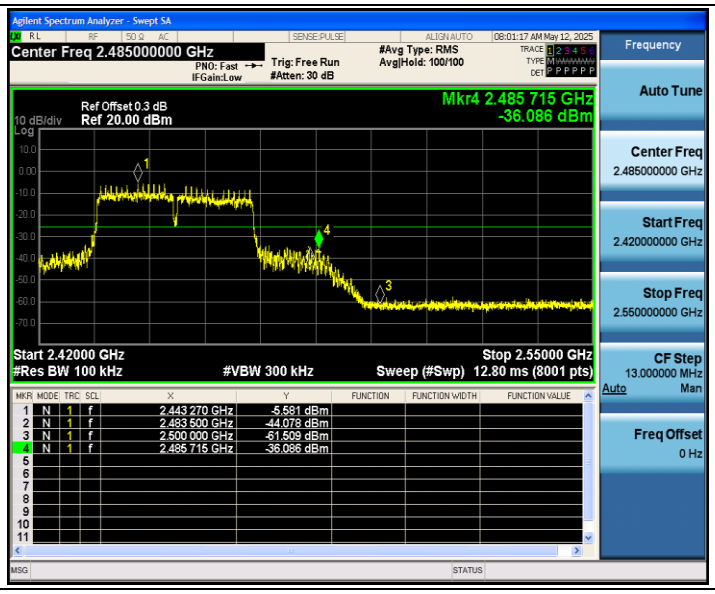
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.485000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
08:01:17 AM May 12, 2025
Ref Offset 0.3 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr4 2.485 715 GHz
-36.086 dBm
Start 2.42000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.55000 GHz
Sweep (#Swp) 12.80 ms (8001 pts)
1 N 1 f 2.443 270 GHz -5.581 dBm
2 N 1 f 2.483 500 GHz -44.078 dBm
3 N 1 f 2.500 000 GHz -61.509 dBm
4 N 1 f 2.485 715 GHz -36.086 dBm
Frequency
Auto Tune
Center Freq
2.485000000 GHz
Start Freq
2.420000000 GHz
Stop Freq
2.550000000 GHz
CF Step
13.000000 MHz
Auto
Man
Freq Offset
0 Hz

Appendix F: Conducted Spurious Emission

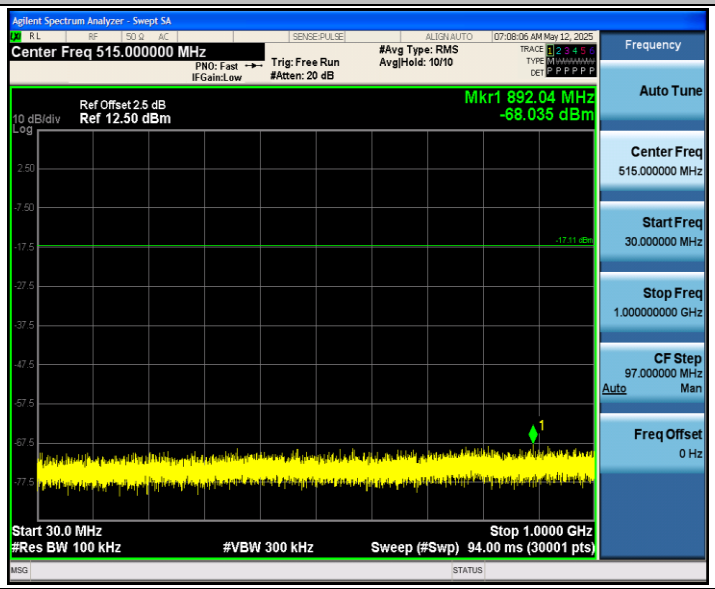
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.89	2.89	---	PASS
			30~1000	2.89	-68.04	≤-17.11	PASS
			1000~26500	2.89	-38.74	≤-17.11	PASS
		2437	Reference	2.78	2.78	---	PASS
			30~1000	2.78	-68.29	≤-17.22	PASS
			1000~26500	2.78	-36.76	≤-17.22	PASS
		2462	Reference	3.01	3.01	---	PASS
			30~1000	3.01	-67.93	≤-16.99	PASS
			1000~26500	3.01	-30.56	≤-16.99	PASS
11G	Ant1	2412	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-68.32	≤-21.44	PASS
			1000~26500	-1.44	-51.24	≤-21.44	PASS
		2437	Reference	-1.51	-1.51	---	PASS
			30~1000	-1.51	-68.23	≤-21.51	PASS
			1000~26500	-1.51	-49.93	≤-21.51	PASS
		2462	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-67.96	≤-22.77	PASS
			1000~26500	-2.77	-46.09	≤-22.77	PASS
11N20SISO	Ant1	2412	Reference	-1.13	-1.13	---	PASS
			30~1000	-1.13	-67.34	≤-21.13	PASS
			1000~26500	-1.13	-45.18	≤-21.13	PASS
		2437	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-67.28	≤-21.31	PASS
			1000~26500	-1.31	-48.9	≤-21.31	PASS
		2462	Reference	-2.19	-2.19	---	PASS
			30~1000	-2.19	-67.37	≤-22.19	PASS
			1000~26500	-2.19	-45.02	≤-22.19	PASS
11N40SISO	Ant1	2422	Reference	-3.42	-3.42	---	PASS
			30~1000	-3.42	-67.64	≤-23.42	PASS
			1000~26500	-3.42	-44.54	≤-23.42	PASS
		2437	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-67.83	≤-24.34	PASS
			1000~26500	-4.34	-44.11	≤-24.34	PASS
		2452	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-67.58	≤-23.49	PASS
			1000~26500	-3.49	-46.95	≤-23.49	PASS

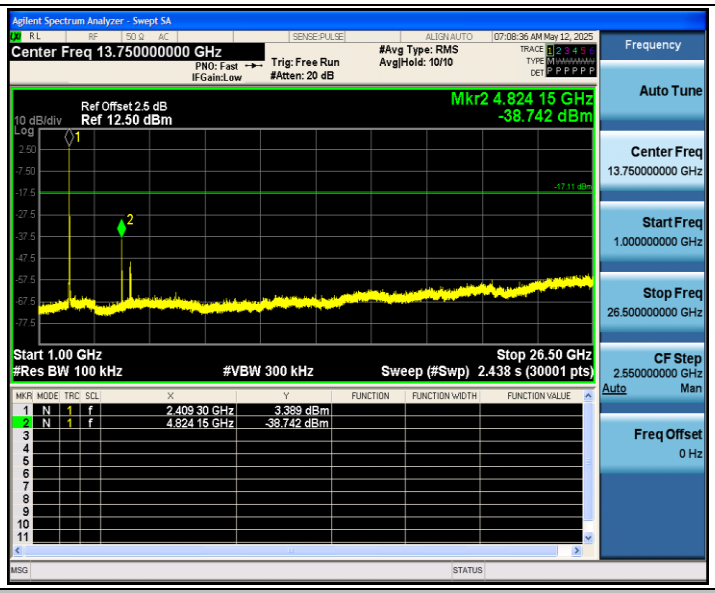
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference

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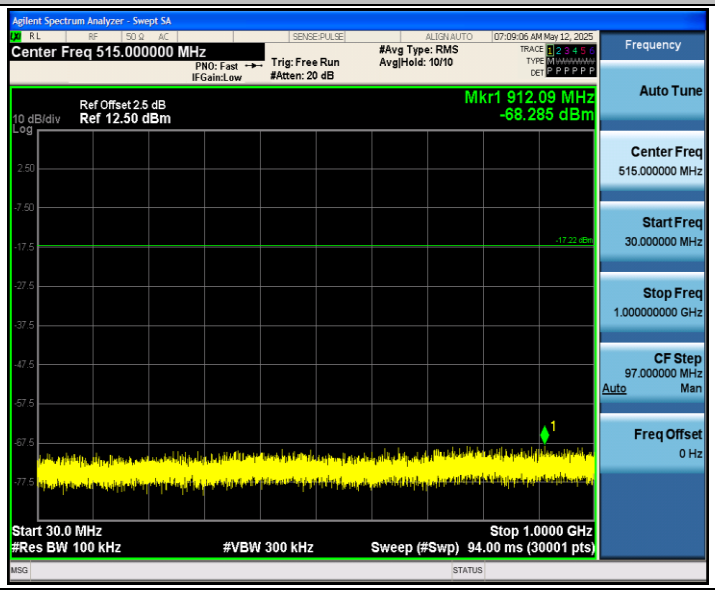

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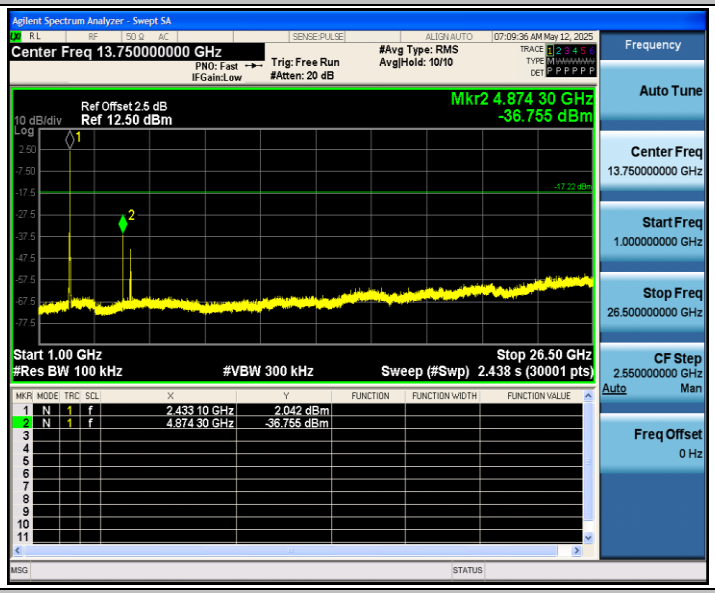

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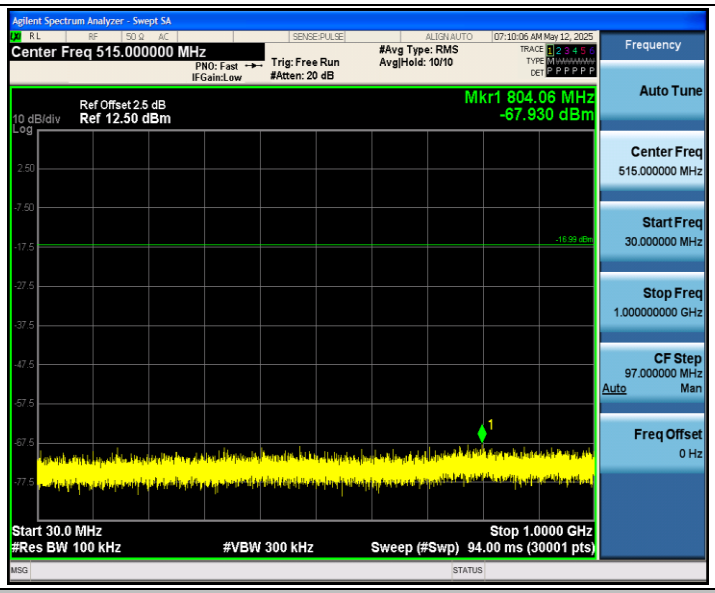

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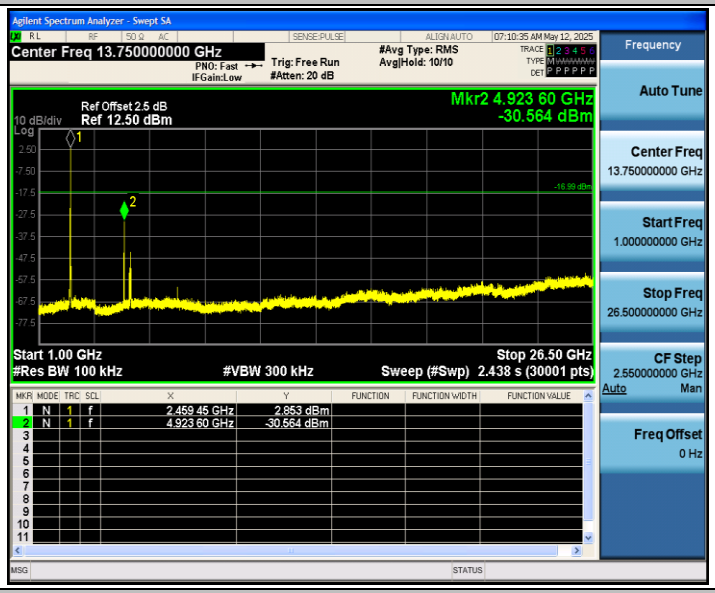
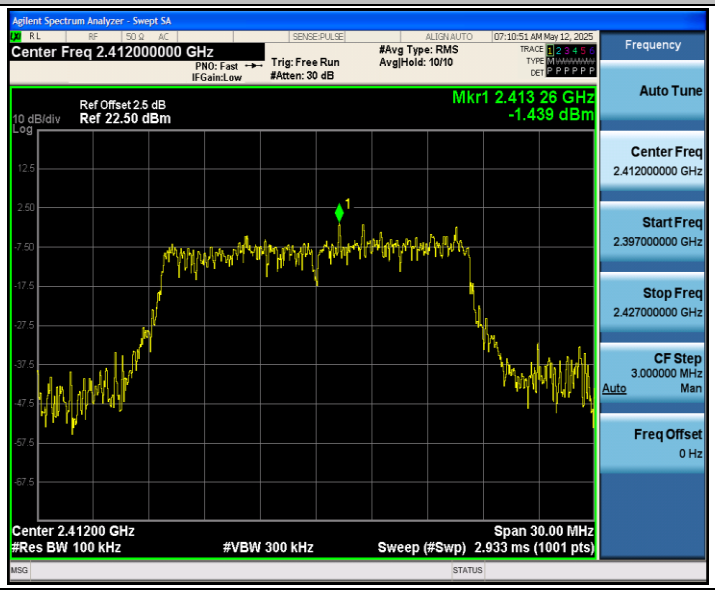


11G_Ant1_2412_0~Reference



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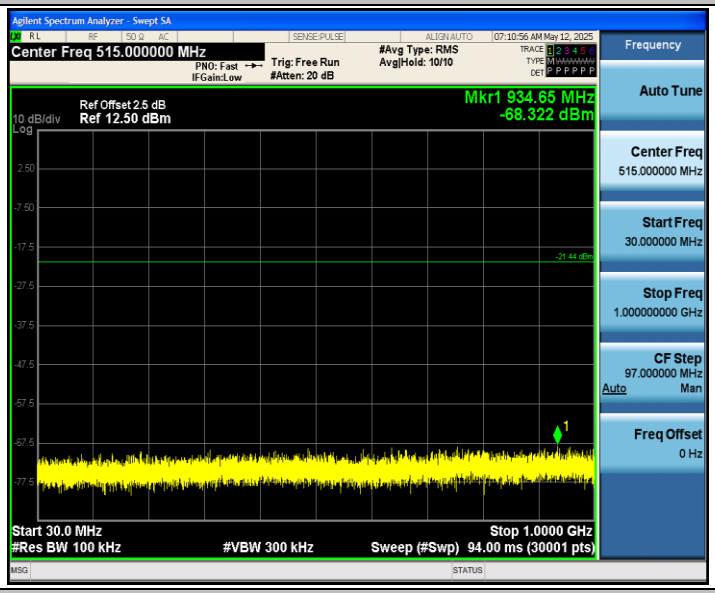

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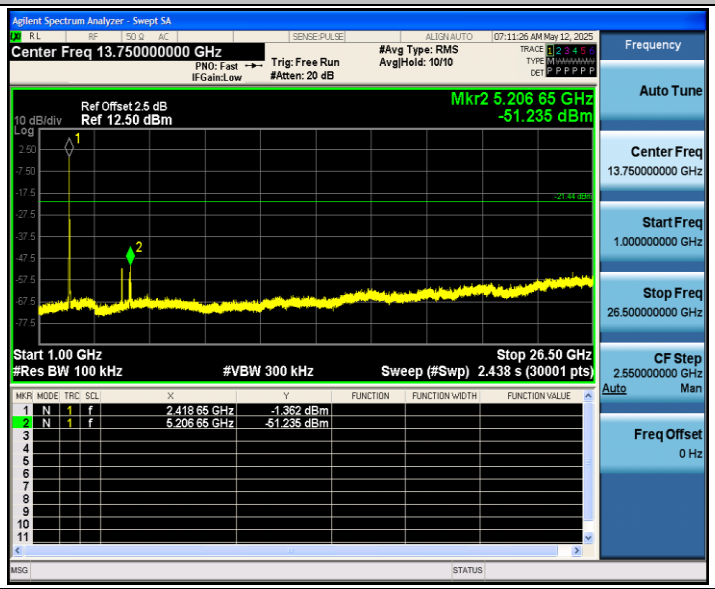

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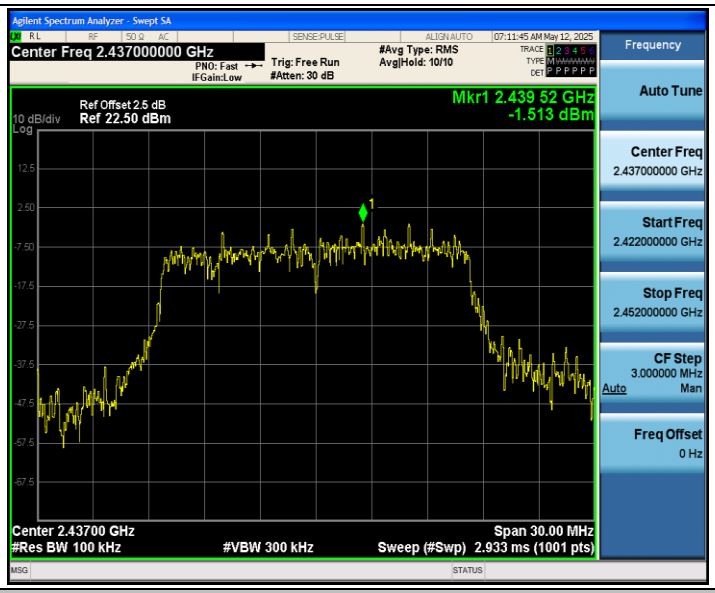

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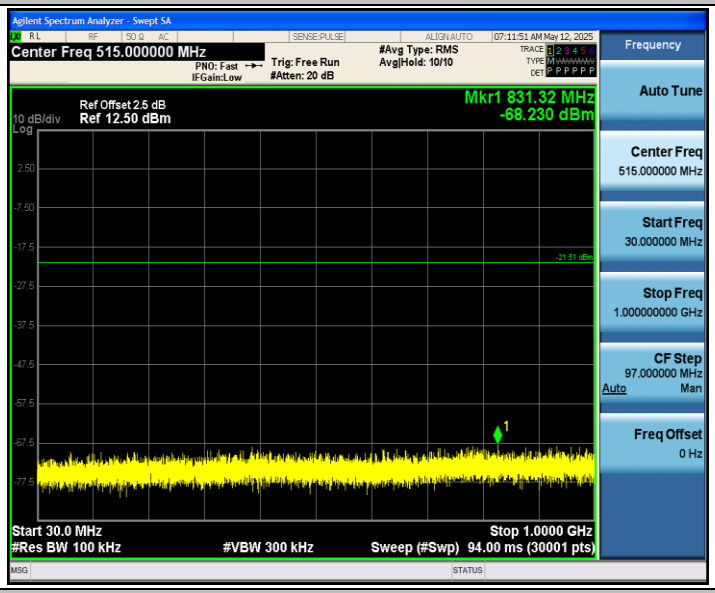

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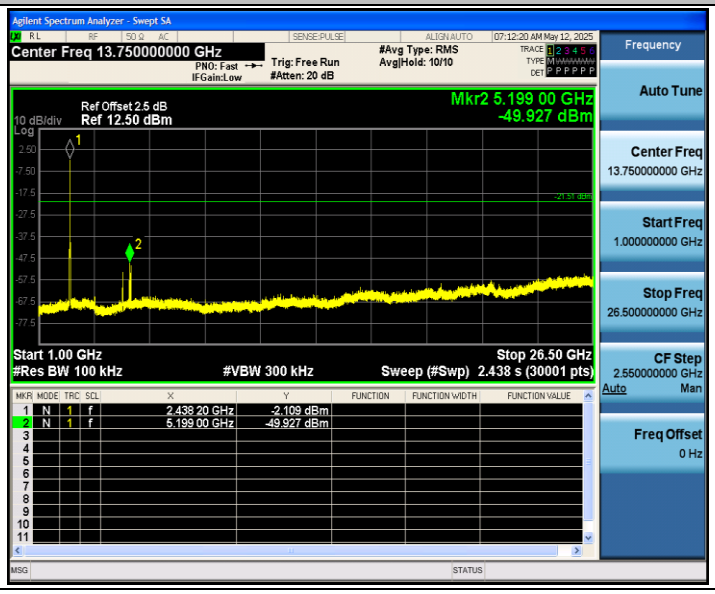

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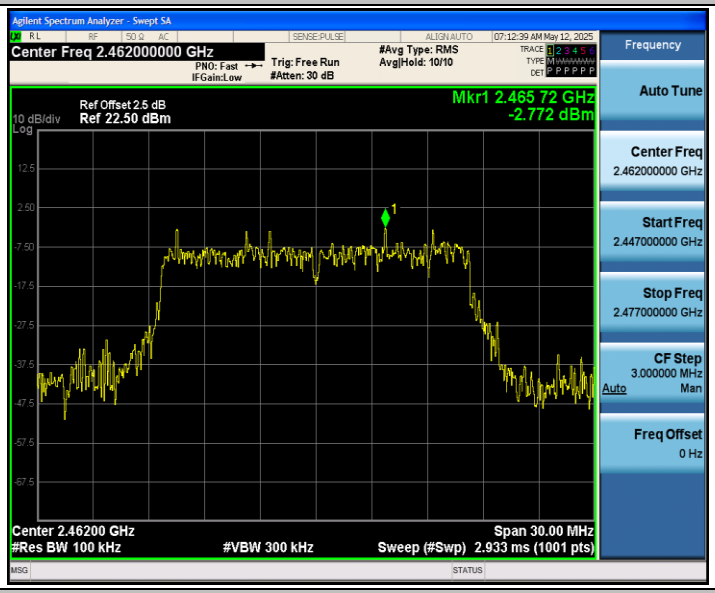

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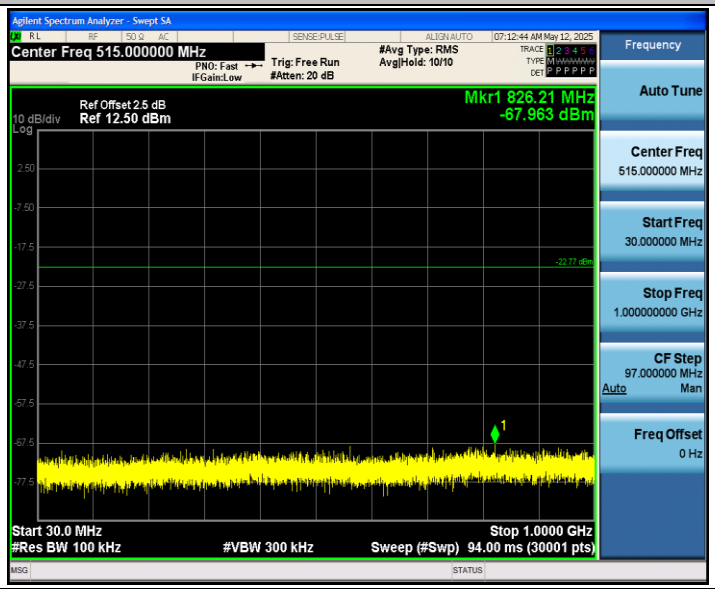

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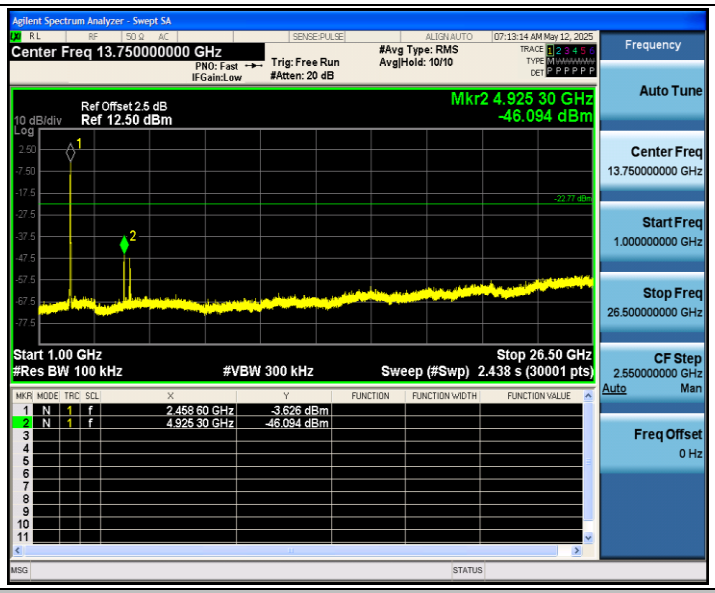
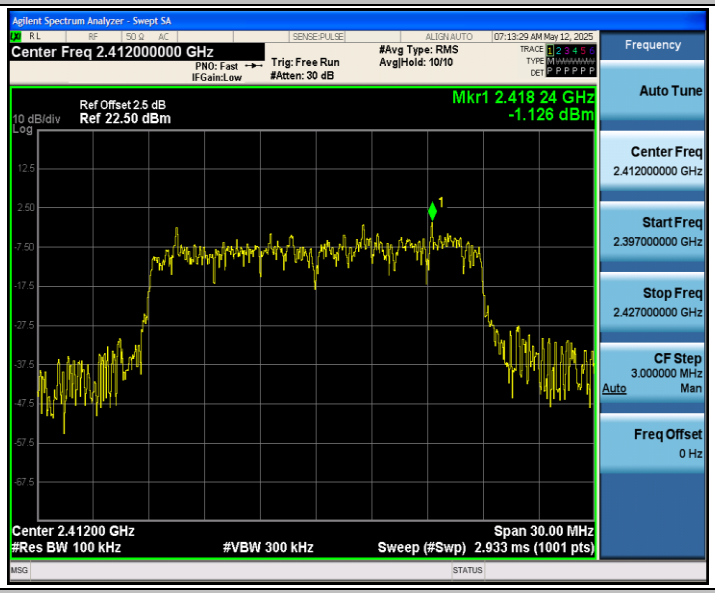
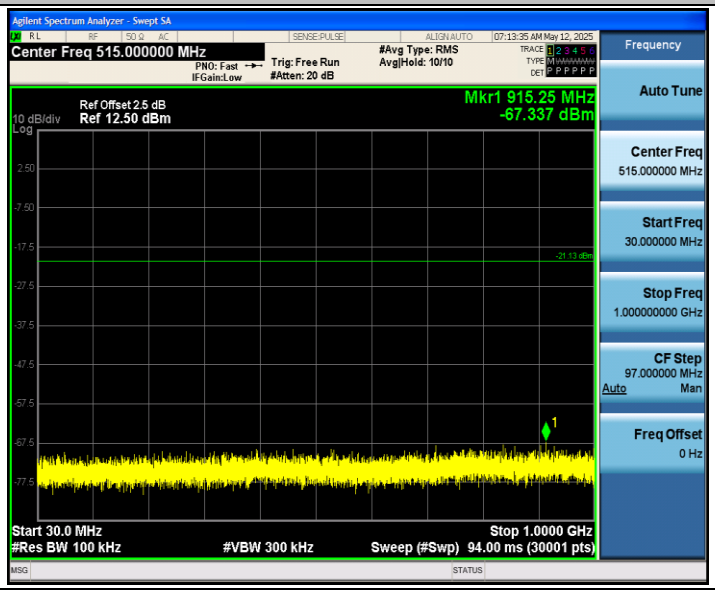


11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000