FCC Appendix RF Test Data

FCC ID	**:**	**2BMVR-E20**
Company:	**:**	**Shenzhen Tuohai Times Technology Co., Ltd.**
EUT	**:**	**Tablet**
Model Number	**:**	**E20**
Report No.	**:**	**CTA25032701302**
Reviewed By	**:**	**Eric Wang**

Appendix A: DTS Bandwidth

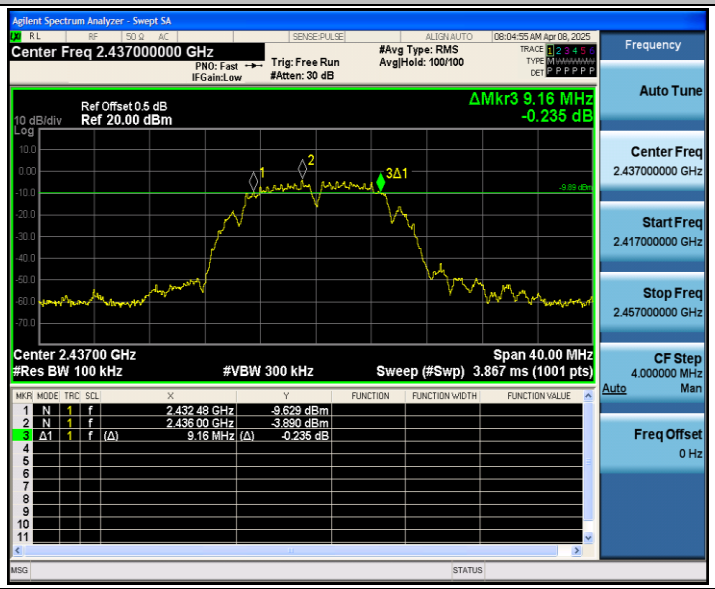
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.960	2417.040	0.5	PASS
		2437	9.160	2432.480	2441.640	0.5	PASS
		2462	9.560	2457.480	2467.040	0.5	PASS
11G	Ant1	2412	15.560	2404.000	2419.560	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	15.720	2453.840	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.960	2403.640	2419.600	0.5	PASS
		2437	16.200	2429.440	2445.640	0.5	PASS
		2462	16.040	2453.520	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.080	2439.840	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	30.080	2434.480	2464.560	0.5	PASS

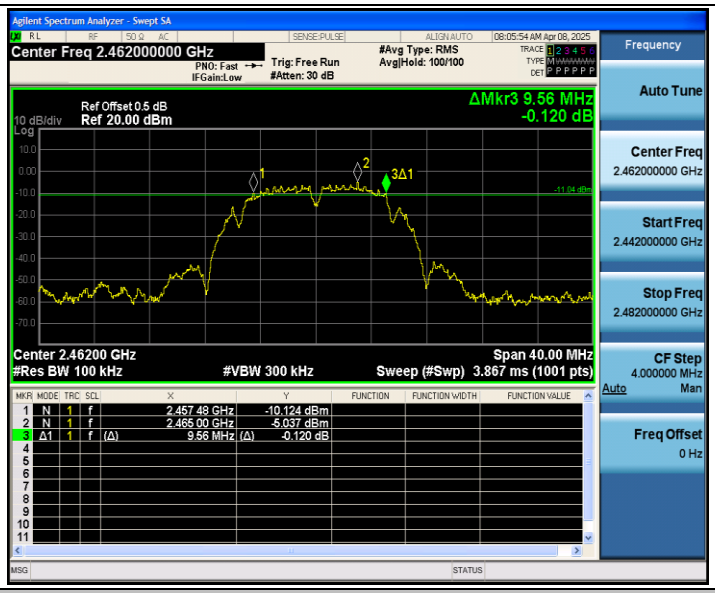
Test Graphs

11B_Ant1_2412

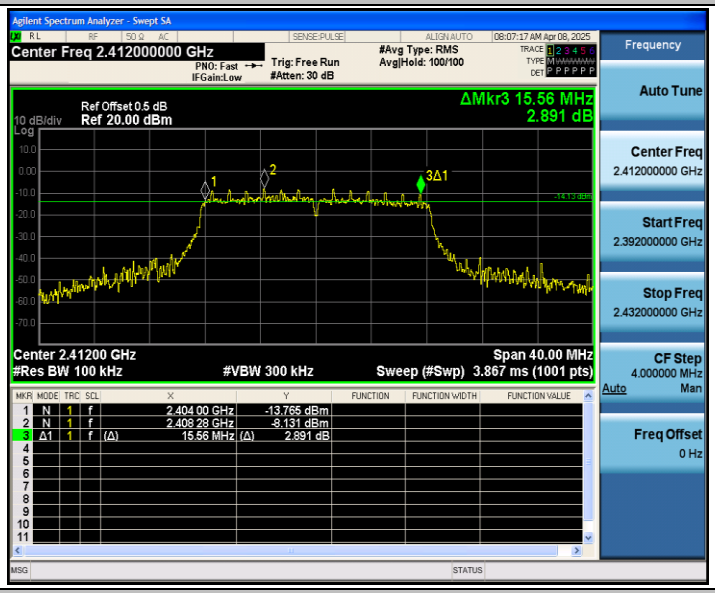
11B_Ant1_2437



11B_Ant1_2462



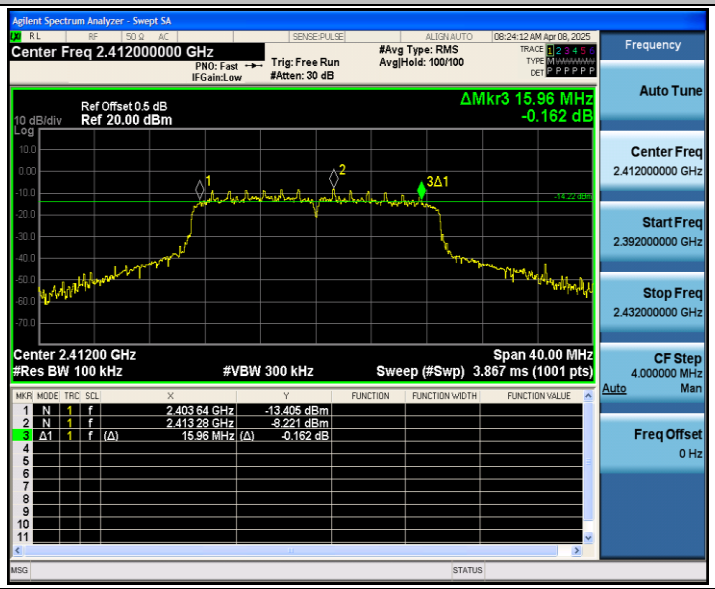
11G_Ant1_2412



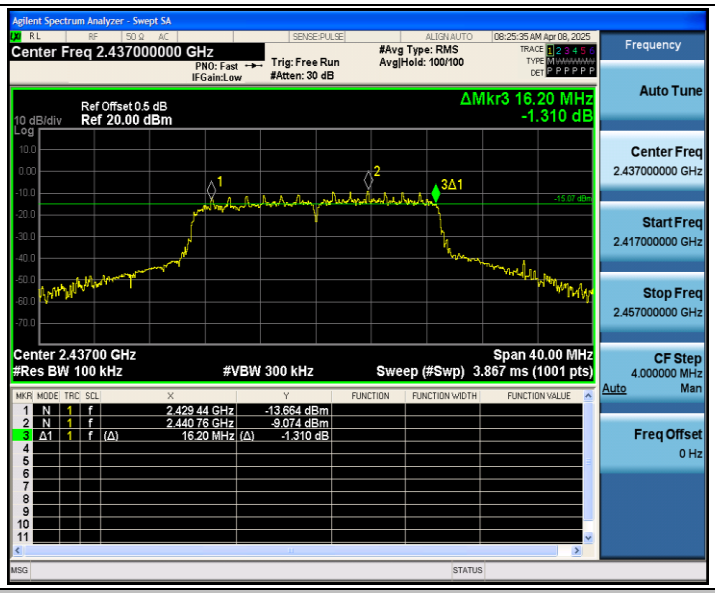
11G_Ant1_2437

11G_Ant1_2462

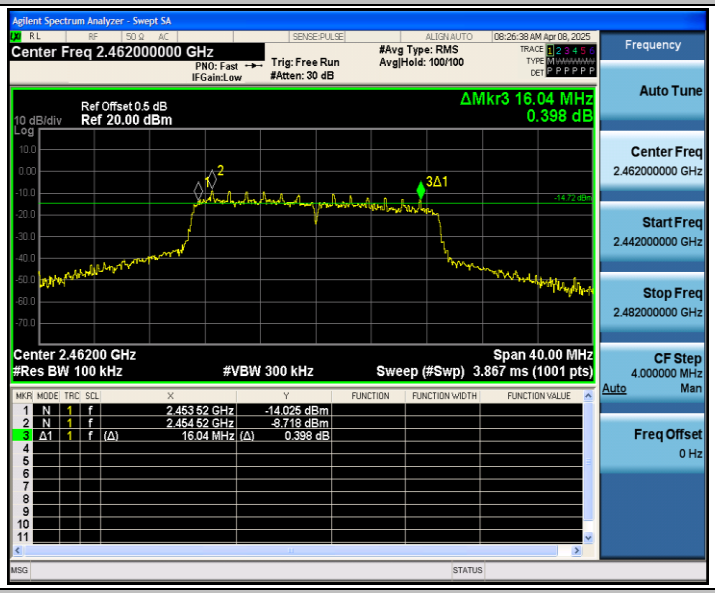
11N20SISO_Ant1_2412



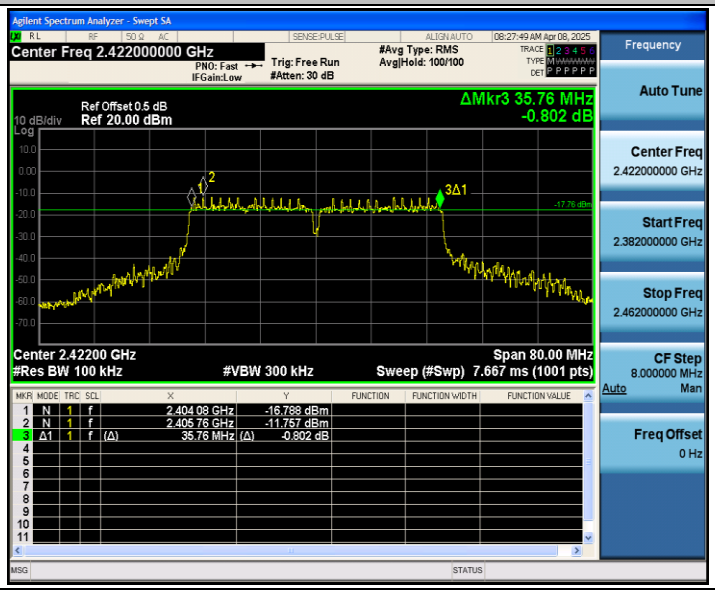
11N20SISO_Ant1_2437

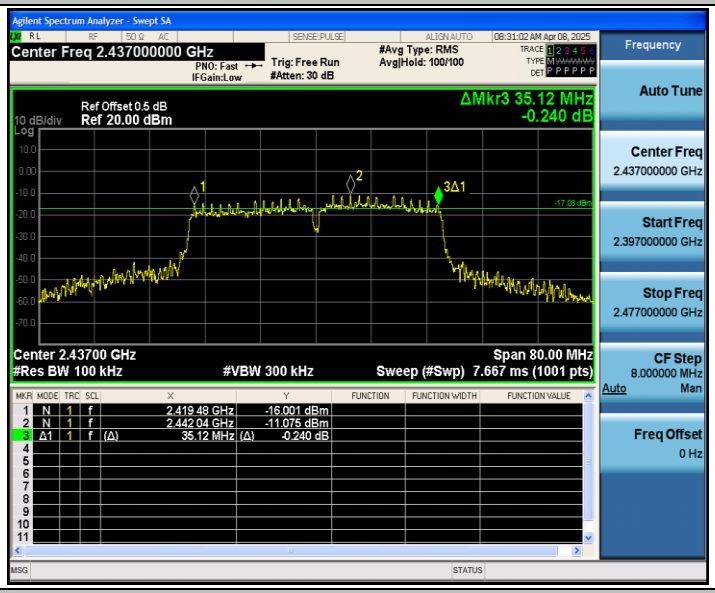


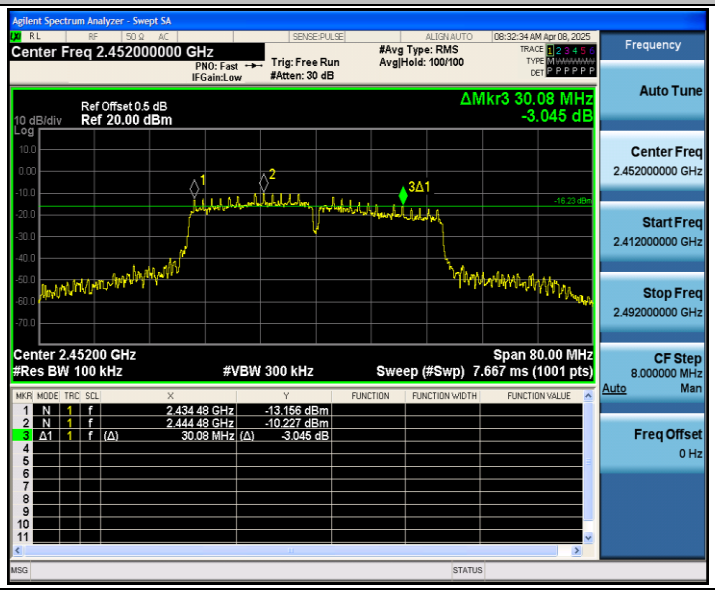
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437


11N40SISO_Ant1_2452


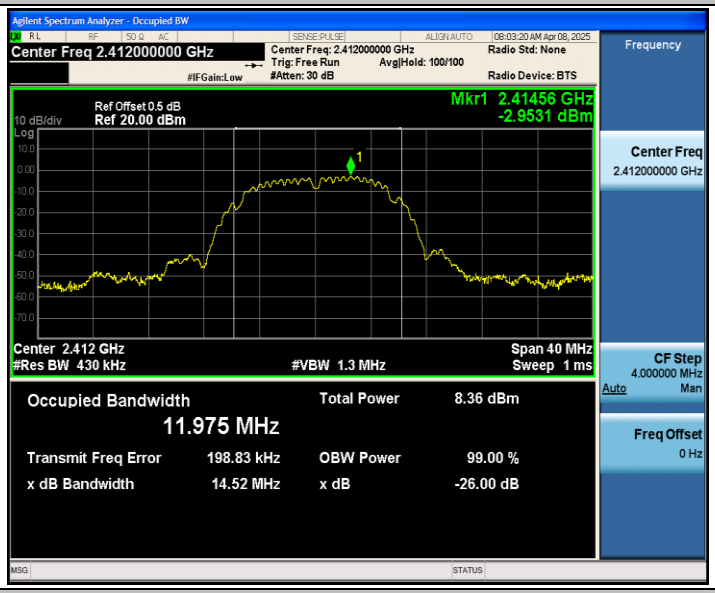
Appendix B: Occupied Channel Bandwidth

Test Result

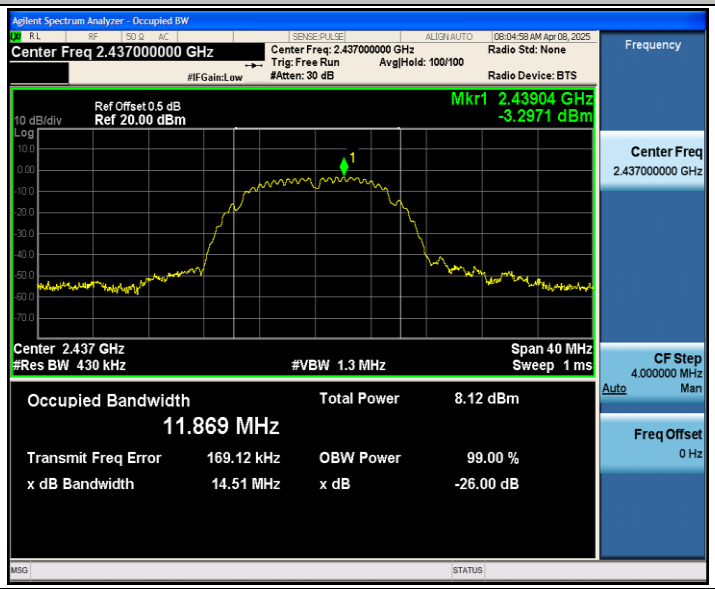
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.975	2406.2113	2418.1863	---	---
		2437	11.869	2431.2346	2443.1036	---	---
		2462	12.027	2456.1126	2468.1396	---	---
11G	Ant1	2412	16.528	2403.7238	2420.2518	---	---
		2437	16.634	2428.8325	2445.4665	---	---
		2462	16.750	2453.4582	2470.2082	---	---
11N20SISO	Ant1	2412	17.599	2403.1969	2420.7959	---	---
		2437	17.615	2428.3120	2445.9270	---	---
		2462	17.765	2452.9768	2470.7418	---	---
11N40SISO	Ant1	2422	36.413	2403.9486	2440.3616	---	---
		2437	35.961	2419.1132	2455.0742	---	---
		2452	35.759	2433.9849	2469.7439	---	---

Test Graphs

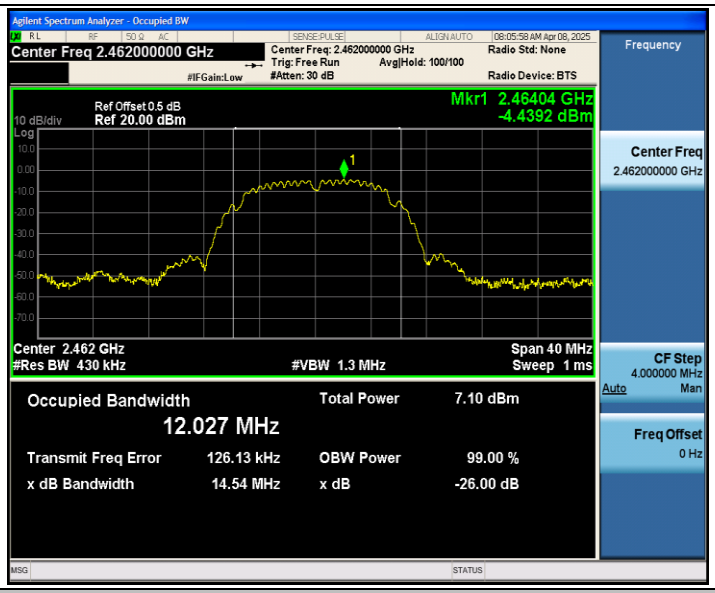
11B_Ant1_2412



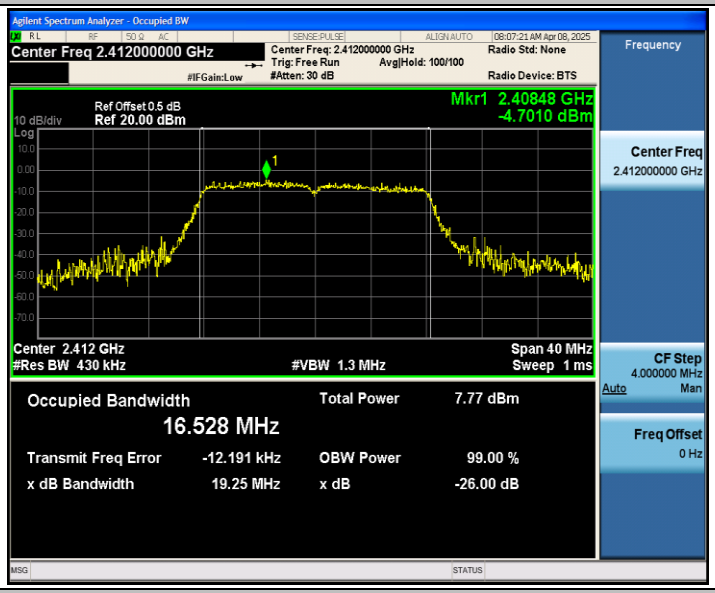
11B_Ant1_2437



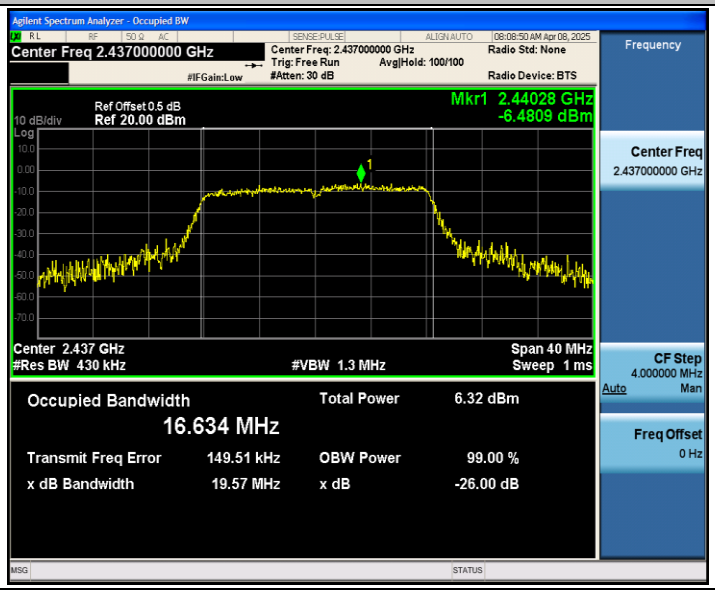
11B_Ant1_2462



11G_Ant1_2412



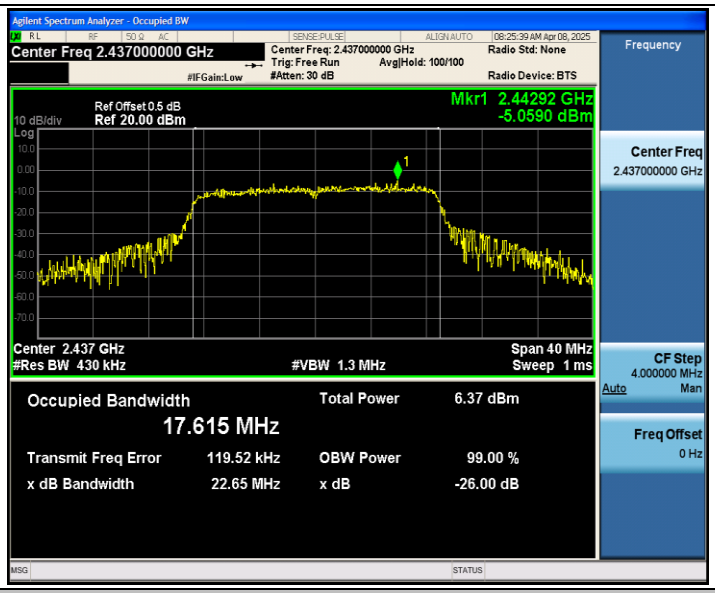
11G_Ant1_2437



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

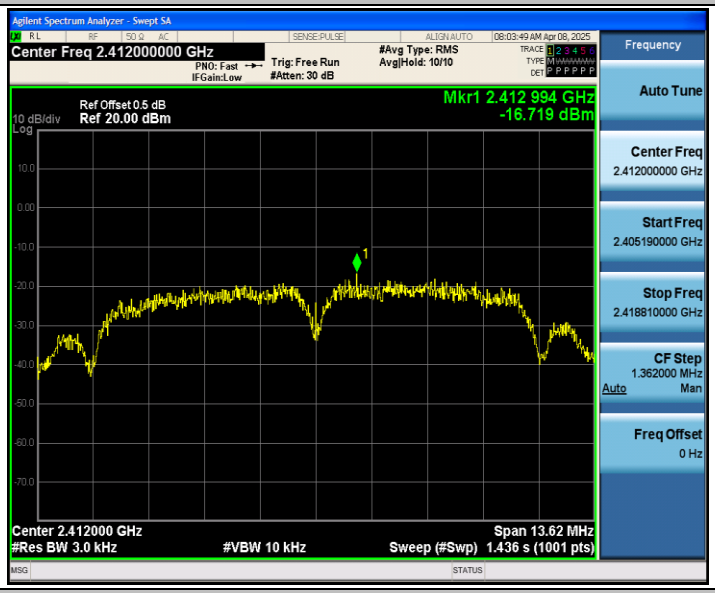
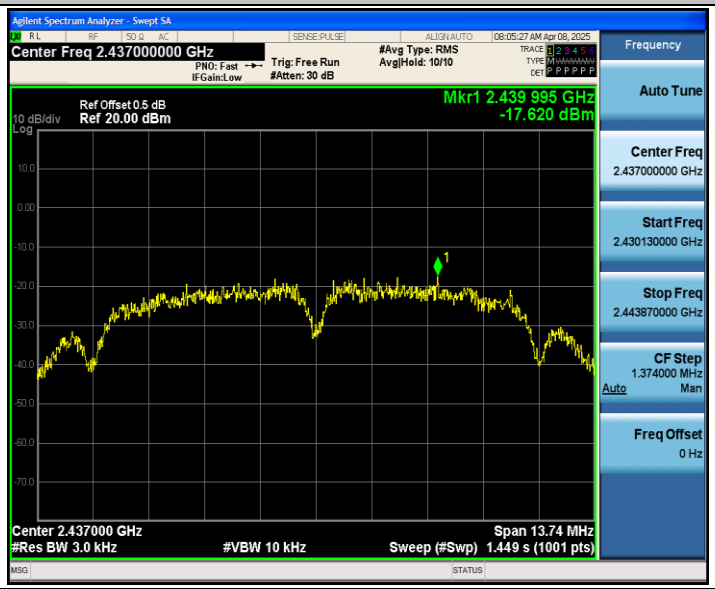
Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.16	≤30.00	PASS
		2437	7.96	≤30.00	PASS
		2462	6.99	≤30.00	PASS
11G	Ant1	2412	8.25	≤30.00	PASS
		2437	7.05	≤30.00	PASS
		2462	6.60	≤30.00	PASS
11N20SISO	Ant1	2412	8.30	≤30.00	PASS
		2437	6.73	≤30.00	PASS
		2462	6.46	≤30.00	PASS
11N40SISO	Ant1	2422	7.66	≤30.00	PASS
		2437	7.32	≤30.00	PASS
		2452	7.50	≤30.00	PASS

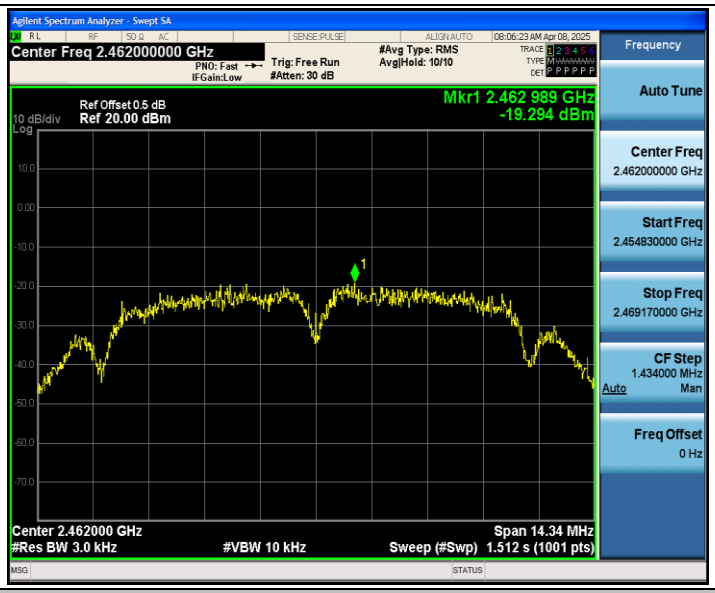
Appendix D: Maximum power spectral density

Test Result

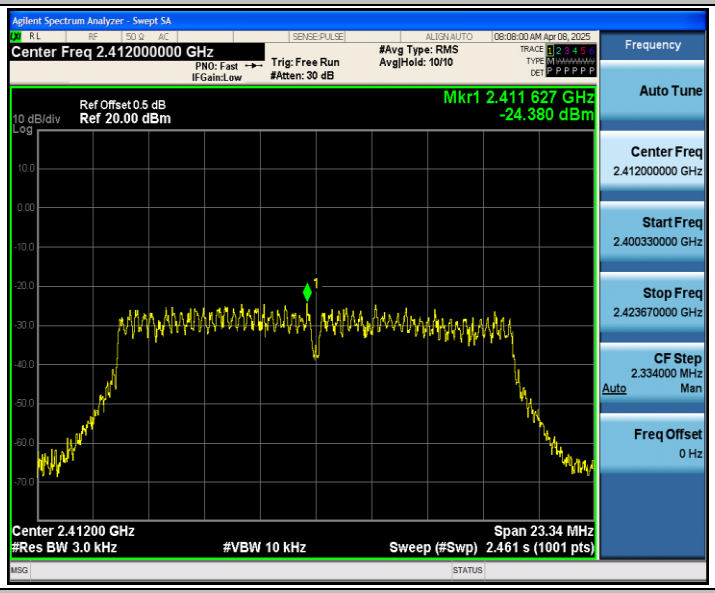
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.72	≤8.00	PASS
		2437	-17.62	≤8.00	PASS
		2462	-19.29	≤8.00	PASS
11G	Ant1	2412	-24.38	≤8.00	PASS
		2437	-25.26	≤8.00	PASS
		2462	-25.23	≤8.00	PASS
11N20SISO	Ant1	2412	-23.57	≤8.00	PASS
		2437	-24.35	≤8.00	PASS
		2462	-25.21	≤8.00	PASS
11N40SISO	Ant1	2422	-27.92	≤8.00	PASS
		2437	-27.77	≤8.00	PASS
		2452	-25.98	≤8.00	PASS

Test Graphs

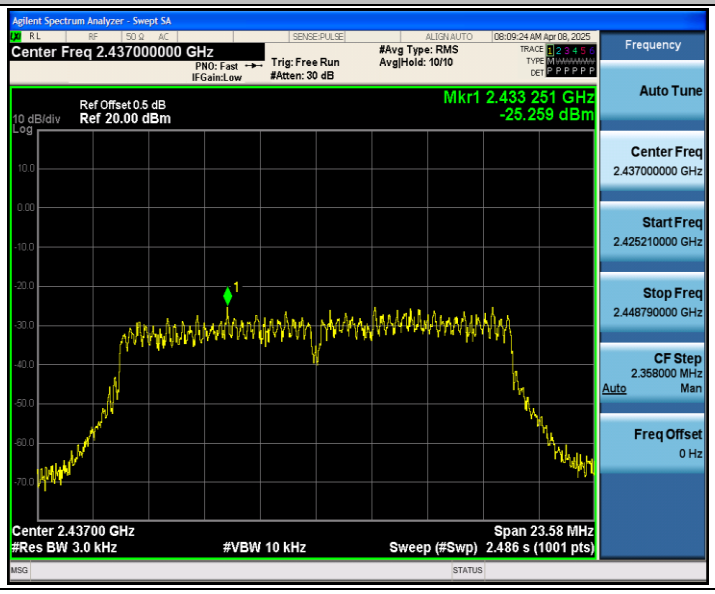
11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462



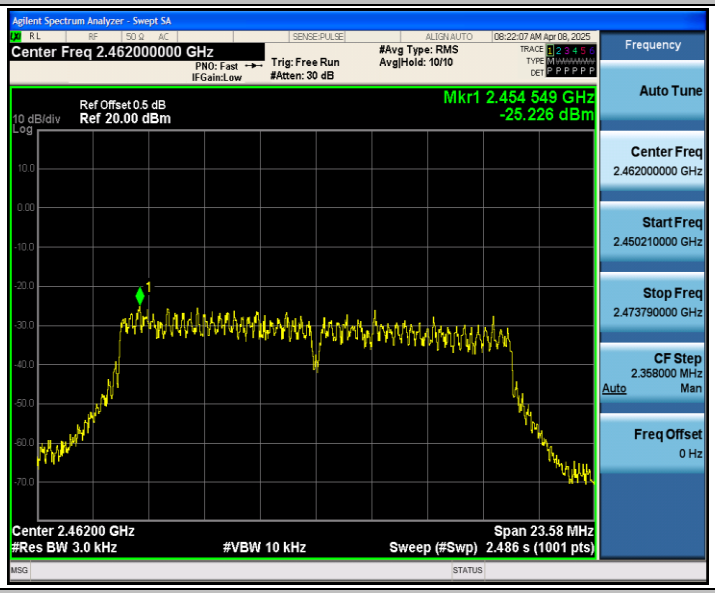
11G_Ant1_2412



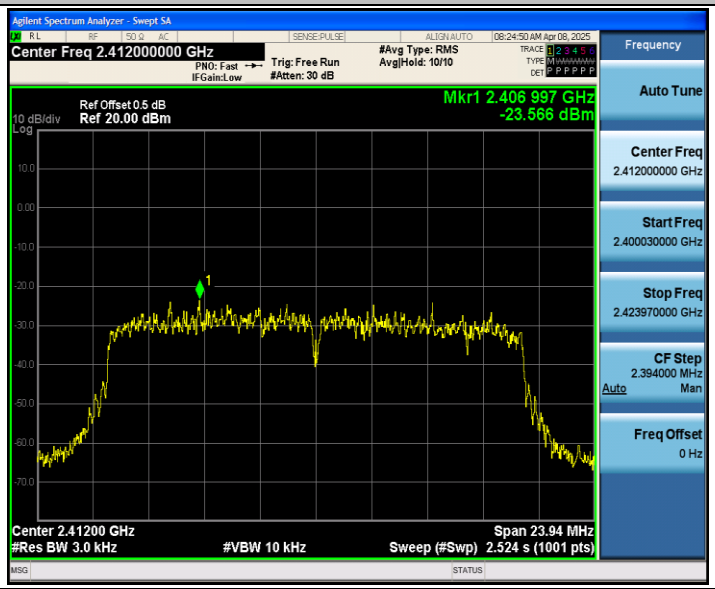
11G_Ant1_2437



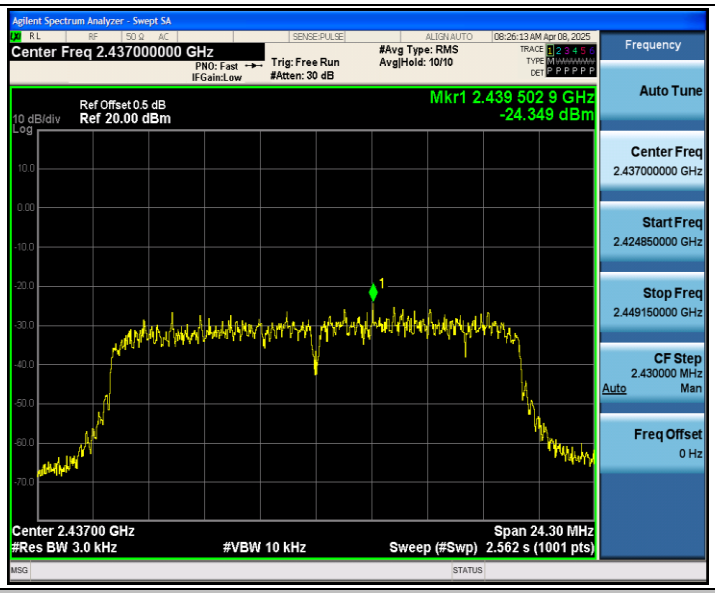
11G_Ant1_2462



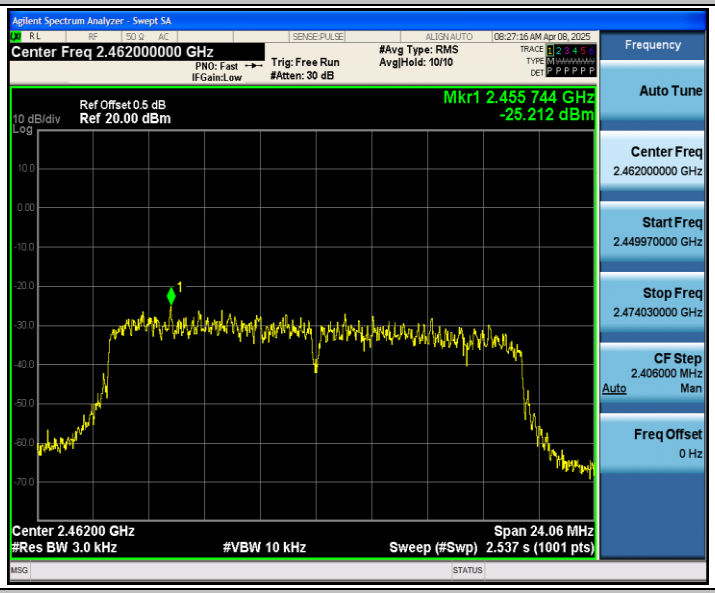
11N20SISO_Ant1_2412



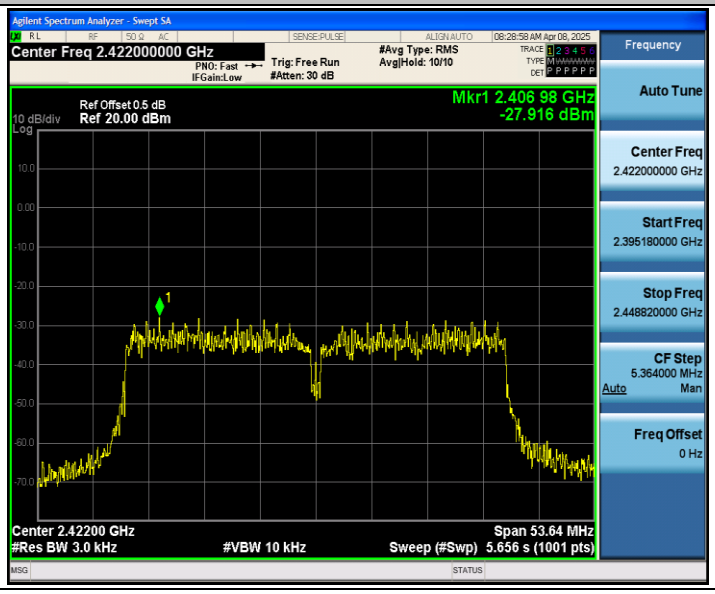
11N20SISO_Ant1_2437

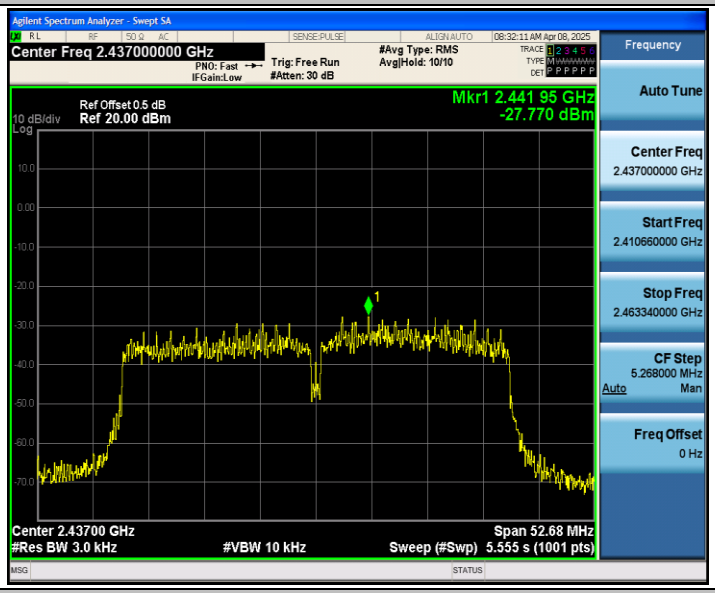


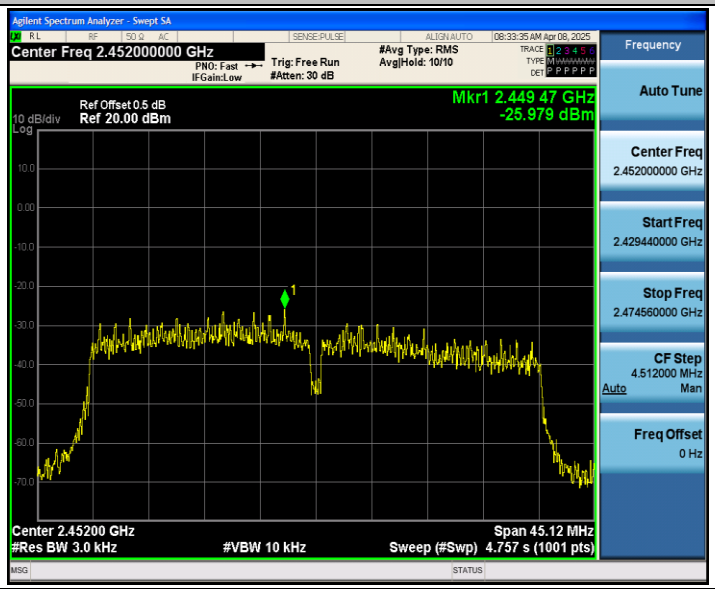
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437


11N40SISO_Ant1_2452


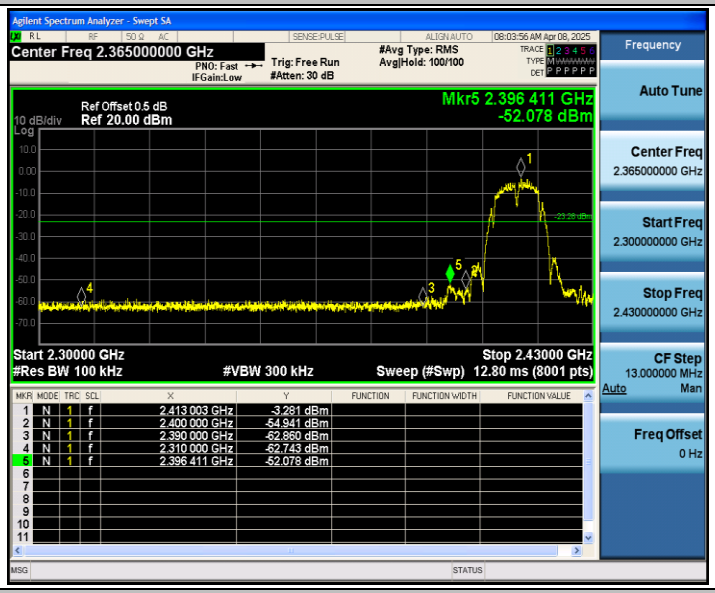
Appendix E: Band edge measurements

Test Result

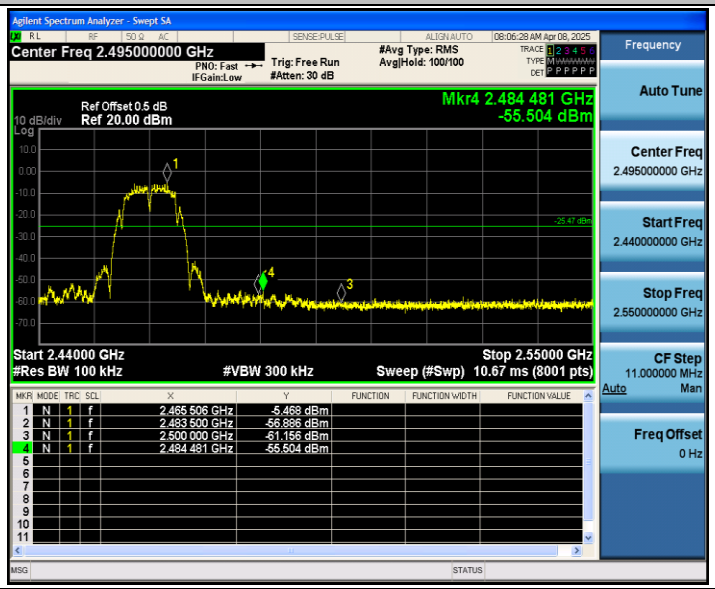
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.28	-52.08	≤-23.28	PASS
		High	2462	-5.47	-55.5	≤-25.47	PASS
11G	Ant1	Low	2412	-8.21	-42.13	≤-28.21	PASS
		High	2462	-8.92	-54.32	≤-28.92	PASS
11N20SISO	Ant1	Low	2412	-8.09	-41.8	≤-28.09	PASS
		High	2462	-8.80	-54.28	≤-28.8	PASS
11N40SISO	Ant1	Low	2422	-11.69	-42.6	≤-31.69	PASS
		High	2452	-10.24	-47.97	≤-30.24	PASS

Test Graphs

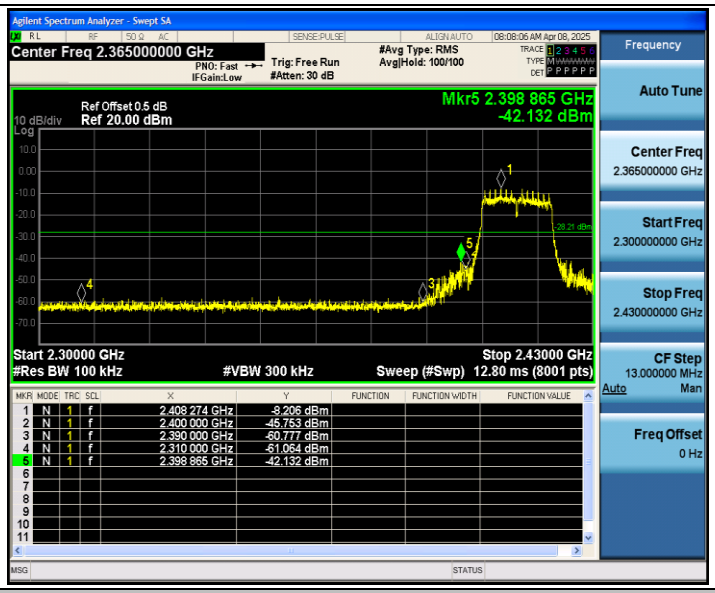
11B_Ant1_Low_2412



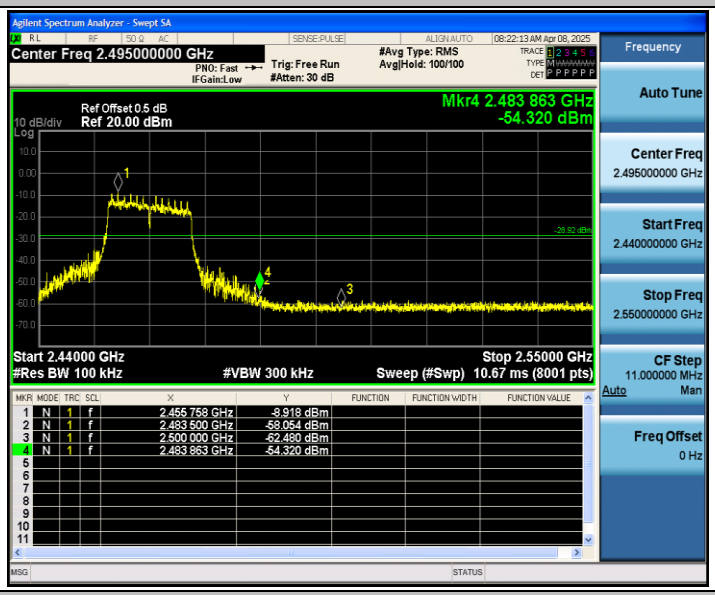
11B_Ant1_High_2462



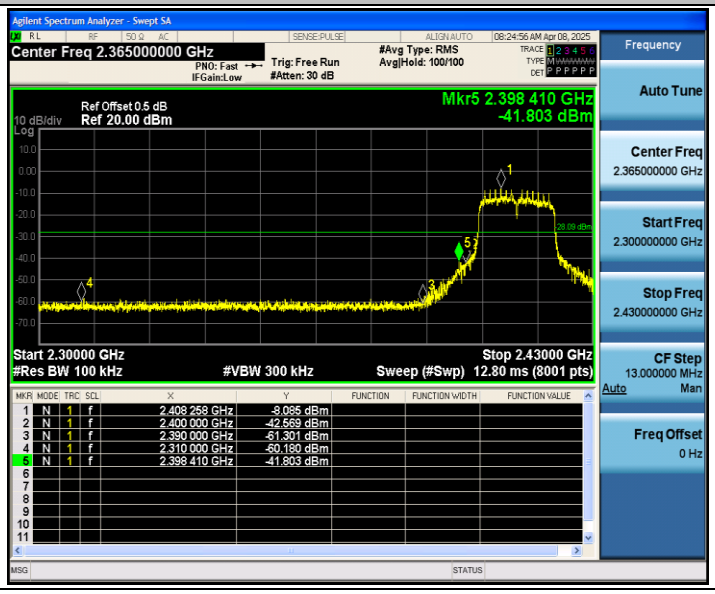
11G_Ant1_Low_2412



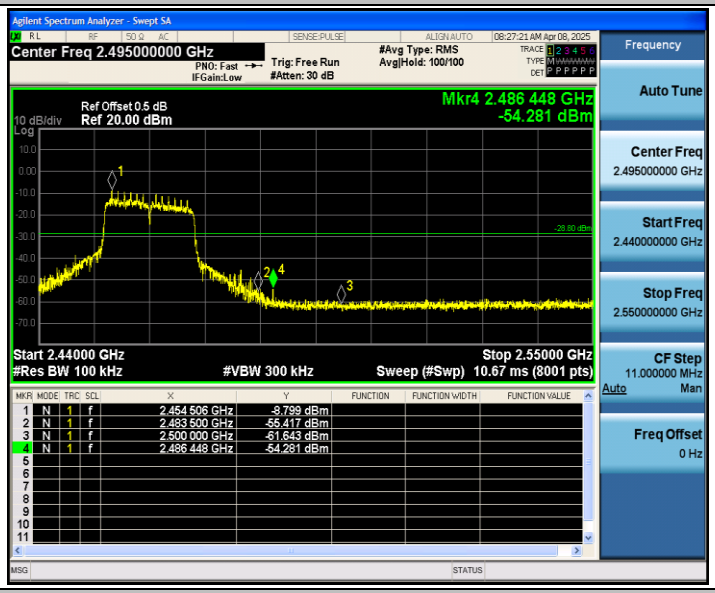
11G_Ant1_High_2462



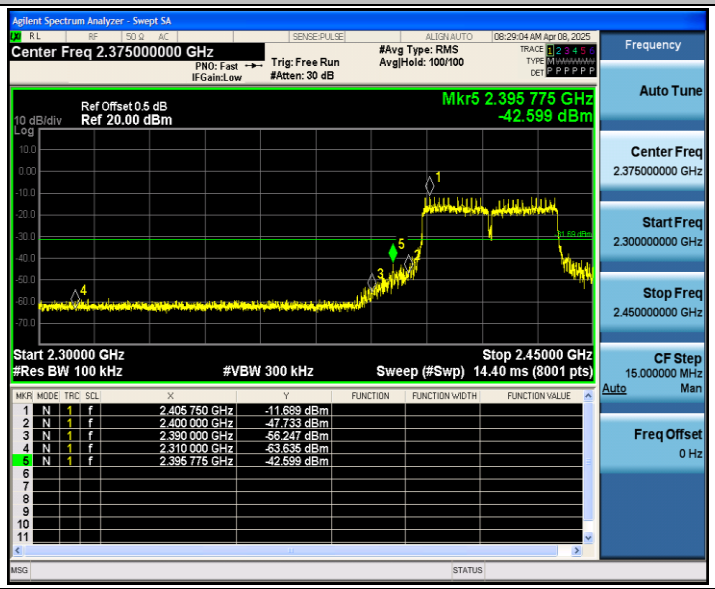
11N20SISO_Ant1_Low_2412



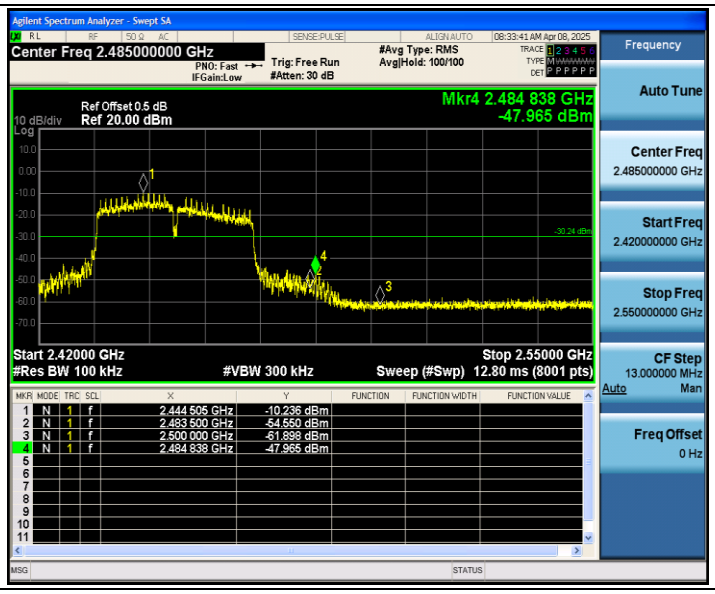
11N20SISO_Ant1_High_2462



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
08:33:41 AM Apr 08, 2025
Ref Offset 0.5 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr4 2.484 838 GHz
-47.965 dBm
-30.24 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 2.444 505 GHz -10.236 dBm
2 N 1 f 2.483 500 GHz -54.550 dBm
3 N 1 f 2.500 000 GHz -61.898 dBm
4 N 1 f 2.484 838 GHz -47.965 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

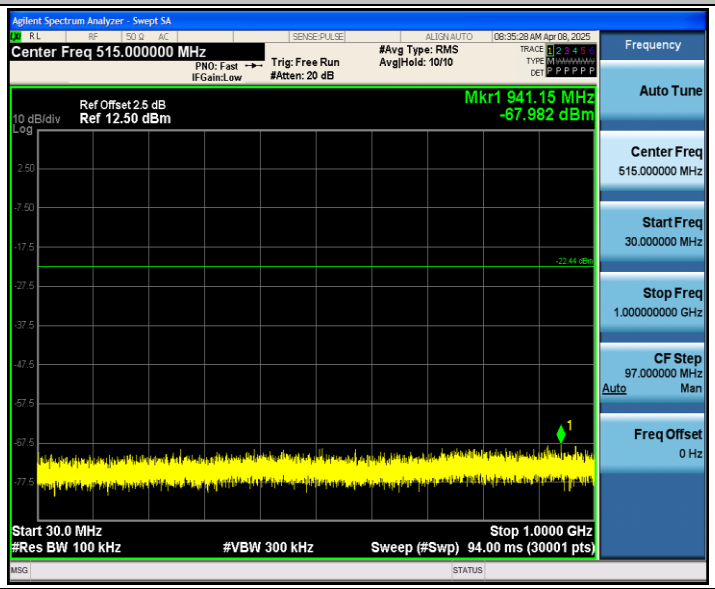
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-2.44	-2.44	---	PASS
			30~1000	-2.44	-67.98	≤-22.44	PASS
			1000~26500	-2.44	-49.95	≤-22.44	PASS
		2437	Reference	-4.03	-4.03	---	PASS
			30~1000	-4.03	-67.68	≤-24.03	PASS
			1000~26500	-4.03	-47.35	≤-24.03	PASS
		2462	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-68.24	≤-22.79	PASS
			1000~26500	-2.79	-42.16	≤-22.79	PASS
11G	Ant1	2412	Reference	-6.37	-6.37	---	PASS
			30~1000	-6.37	-67.57	≤-26.37	PASS
			1000~26500	-6.37	-53.84	≤-26.37	PASS
		2437	Reference	-7.75	-7.75	---	PASS
			30~1000	-7.75	-68.03	≤-27.75	PASS
			1000~26500	-7.75	-55.47	≤-27.75	PASS
		2462	Reference	-6.99	-6.99	---	PASS
			30~1000	-6.99	-68.35	≤-26.99	PASS
			1000~26500	-6.99	-50.06	≤-26.99	PASS
11N20SISO	Ant1	2412	Reference	-6.59	-6.59	---	PASS
			30~1000	-6.59	-67.46	≤-26.59	PASS
			1000~26500	-6.59	-46.25	≤-26.59	PASS
		2437	Reference	-7.13	-7.13	---	PASS
			30~1000	-7.13	-67.05	≤-27.13	PASS
			1000~26500	-7.13	-54.96	≤-27.13	PASS
		2462	Reference	-8.65	-8.65	---	PASS
			30~1000	-8.65	-67.22	≤-28.65	PASS
			1000~26500	-8.65	-55.26	≤-28.65	PASS
11N40SISO	Ant1	2422	Reference	-10.06	-10.06	---	PASS
			30~1000	-10.06	-66.94	≤-30.06	PASS
			1000~26500	-10.06	-54.74	≤-30.06	PASS
		2437	Reference	-9.21	-9.21	---	PASS
			30~1000	-9.21	-68.02	≤-29.21	PASS
			1000~26500	-9.21	-45.18	≤-29.21	PASS
		2452	Reference	-8.88	-8.88	---	PASS
			30~1000	-8.88	-68.1	≤-28.88	PASS
			1000~26500	-8.88	-55.19	≤-28.88	PASS

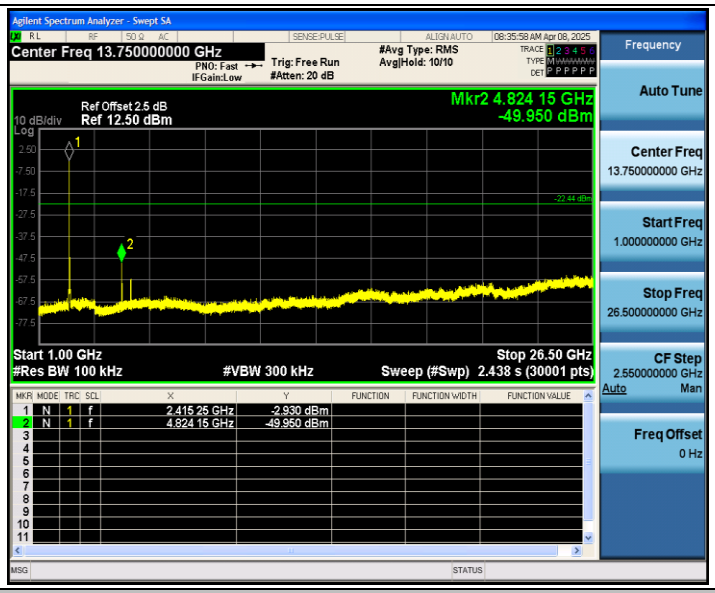
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

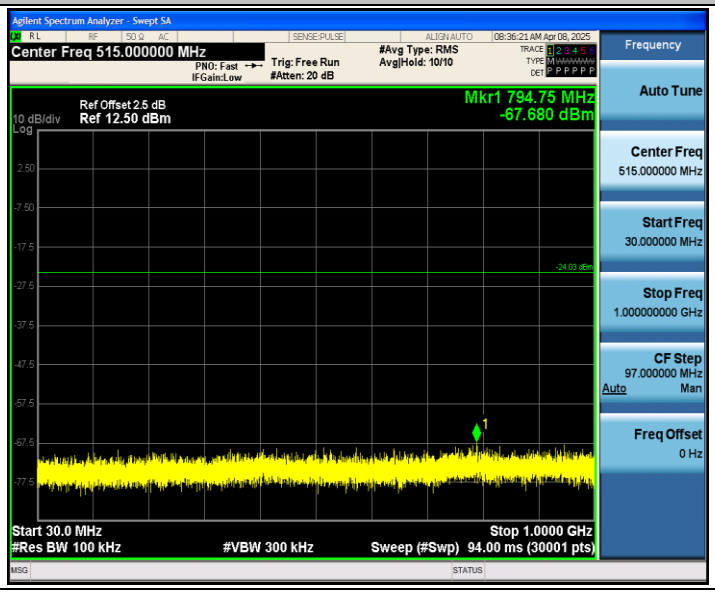


11B_Ant1_2412_1000~26500

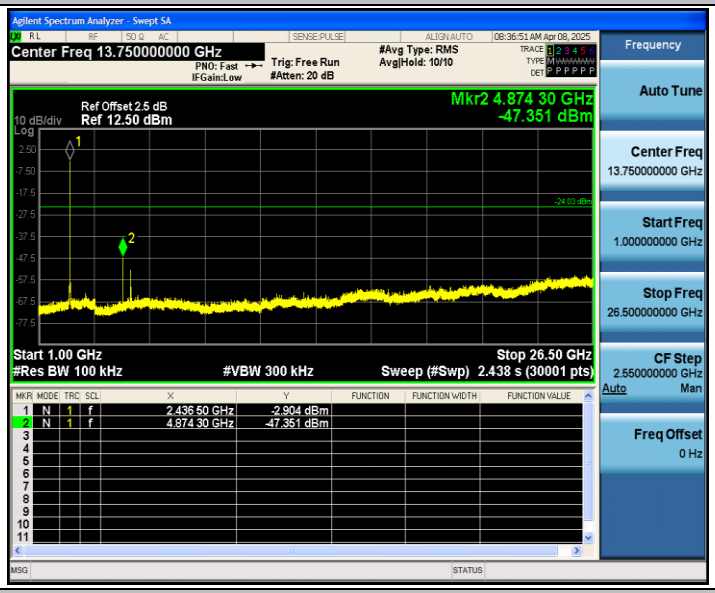


11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000

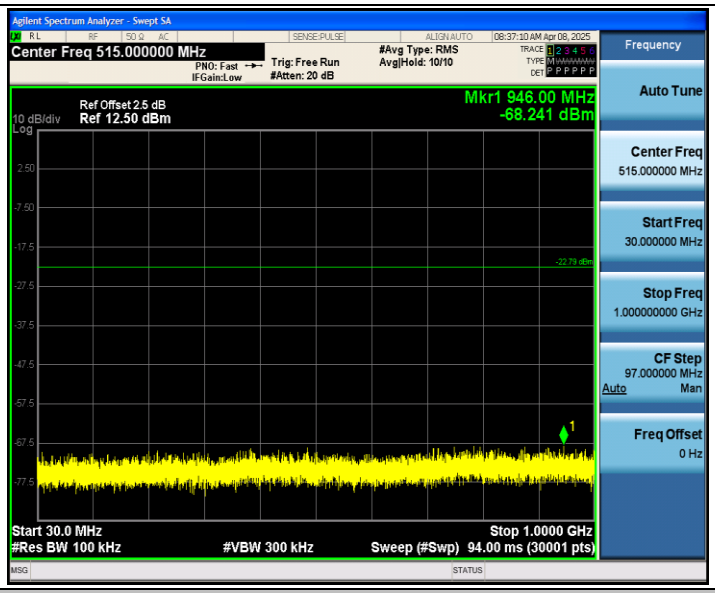


11B_Ant1_2437_1000~26500

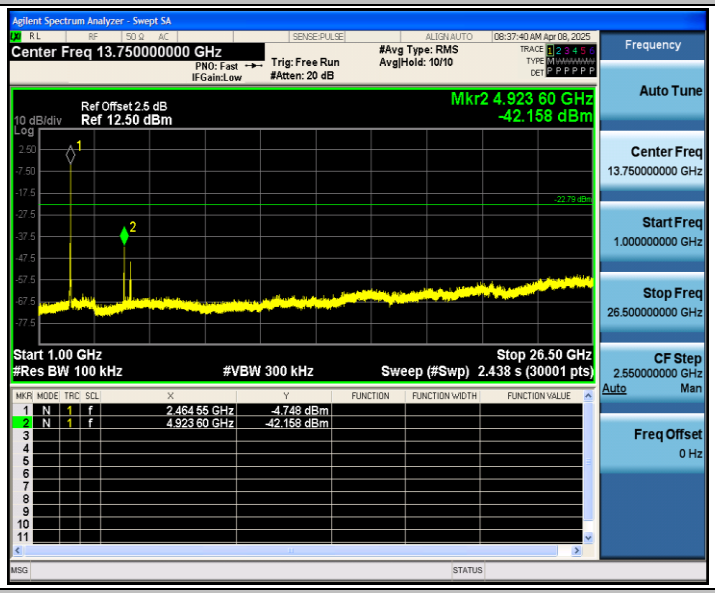


11B_Ant1_2462_0~Reference

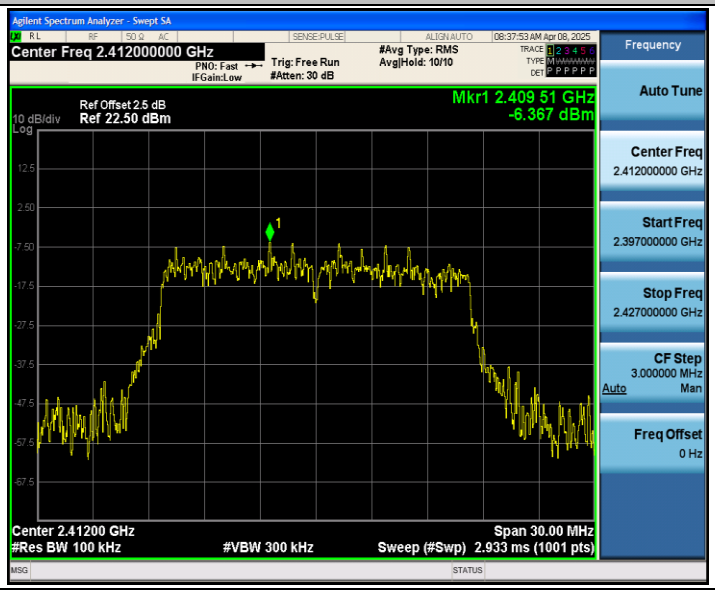
11B_Ant1_2462_30~1000



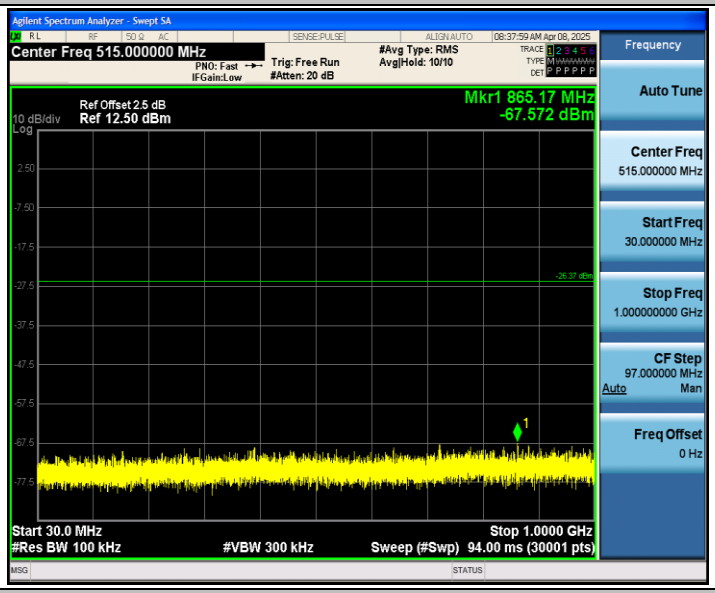
11B_Ant1_2462_1000~26500



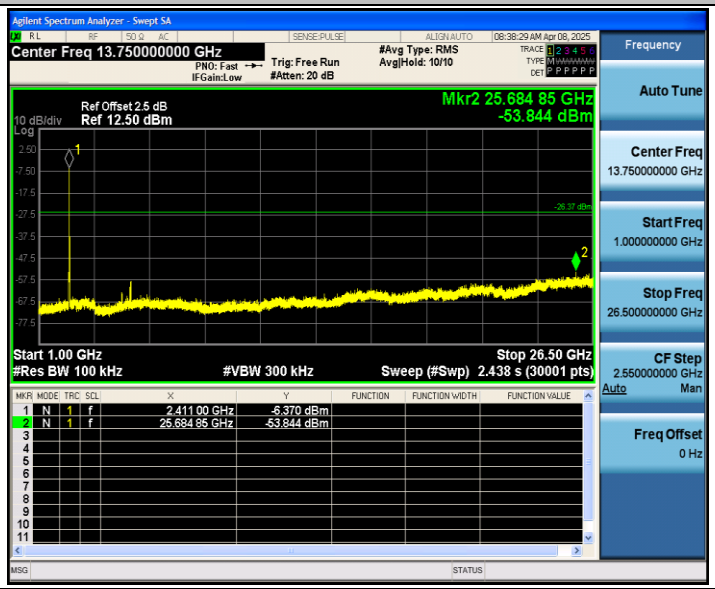
11G_Ant1_2412_0~Reference



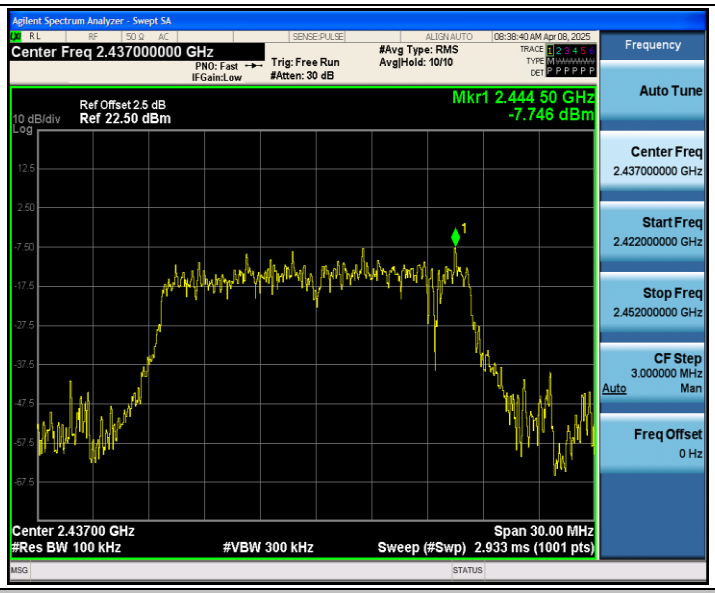
11G_Ant1_2412_30~1000



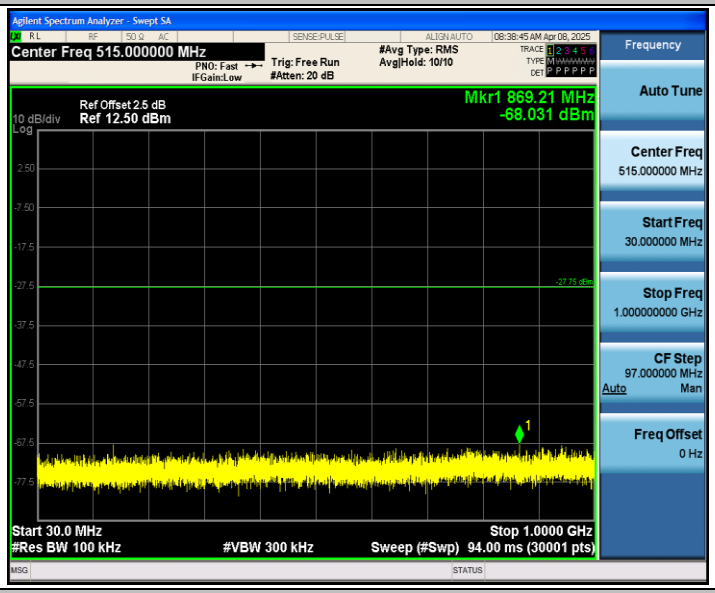
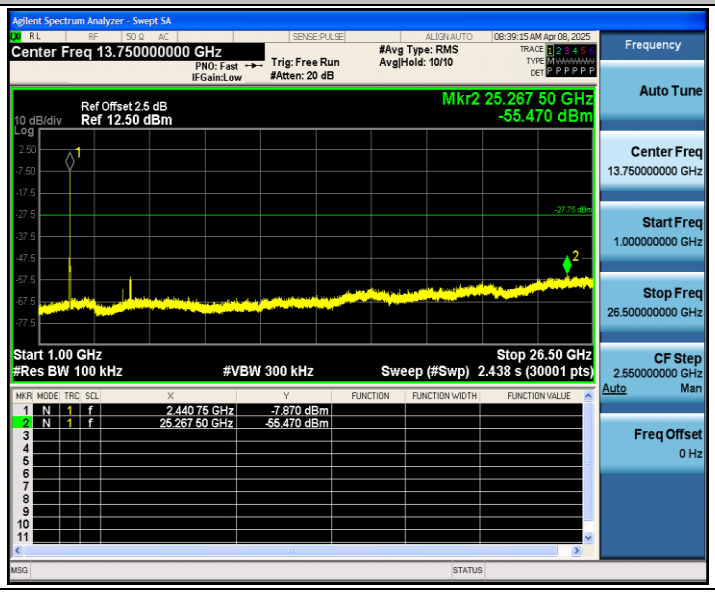
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500