FCC Appendix RF Test Data

FCC ID	**:**	**2BQU2-LG07**
Company	**:**	**Shenzhen Qunlian Intelligent Manufacturing Technology Co., Ltd**
EUT	**:**	**Lottery machine**
Model Number	**:**	**LG07**
Report No.	**:**	**CTA25062700301**
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	8.000	2409.000	2417.000	0.5	PASS
		2437	9.520	2432.000	2441.520	0.5	PASS
		2462	9.080	2457.960	2467.040	0.5	PASS
11G	Ant1	2412	13.160	2407.000	2420.160	0.5	PASS
		2437	15.720	2428.840	2444.560	0.5	PASS
		2462	15.320	2454.480	2469.800	0.5	PASS
11N20SISO	Ant1	2412	13.200	2407.000	2420.200	0.5	PASS
		2437	16.040	2428.520	2444.560	0.5	PASS
		2462	15.680	2454.520	2470.200	0.5	PASS
11N40SISO	Ant1	2422	25.040	2409.520	2434.560	0.5	PASS
		2437	35.440	2419.080	2454.520	0.5	PASS
		2452	35.520	2434.480	2470.000	0.5	PASS

Test Graphs

11B_Ant1_2412

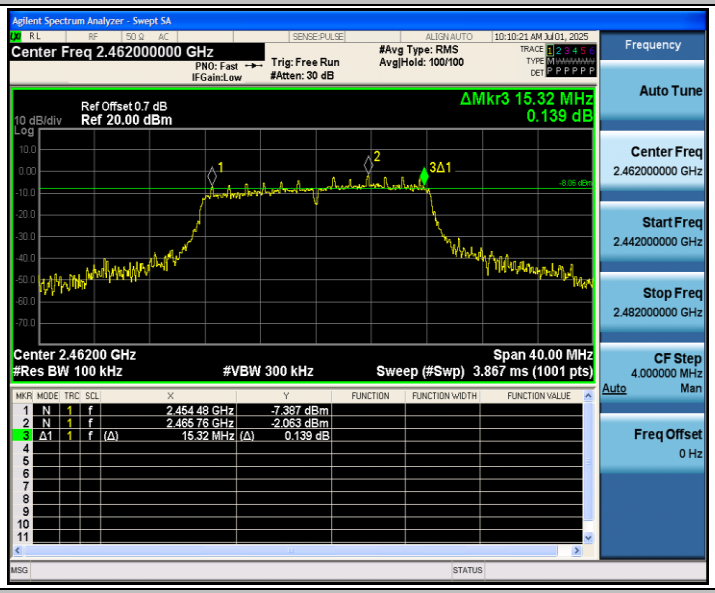
11B_Ant1_2437

11B_Ant1_2462

11G_Ant1_2412

11G_Ant1_2437

11G_Ant1_2462

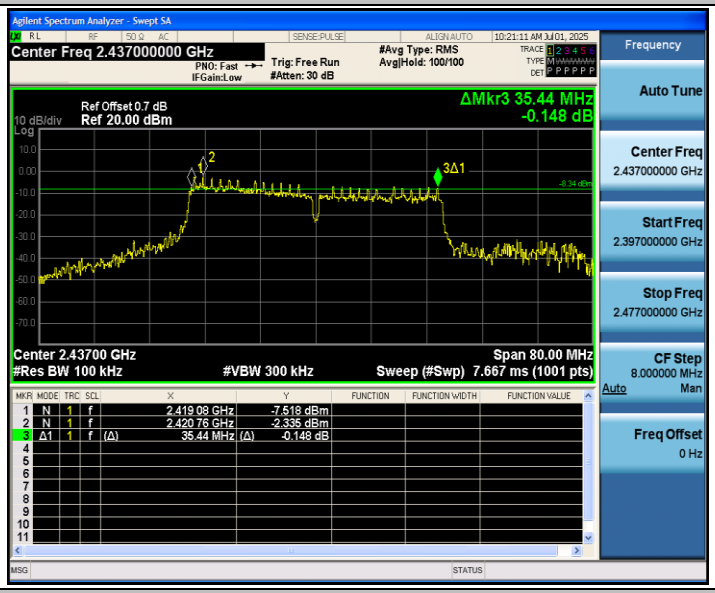


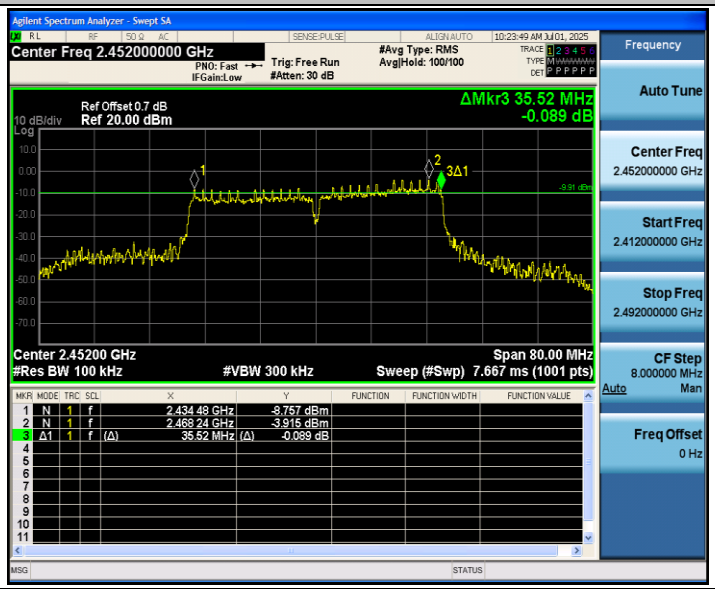
11N20SISO_Ant1_2412

11N20SISO_Ant1_2437

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2437


11N40SISO_Ant1_2452


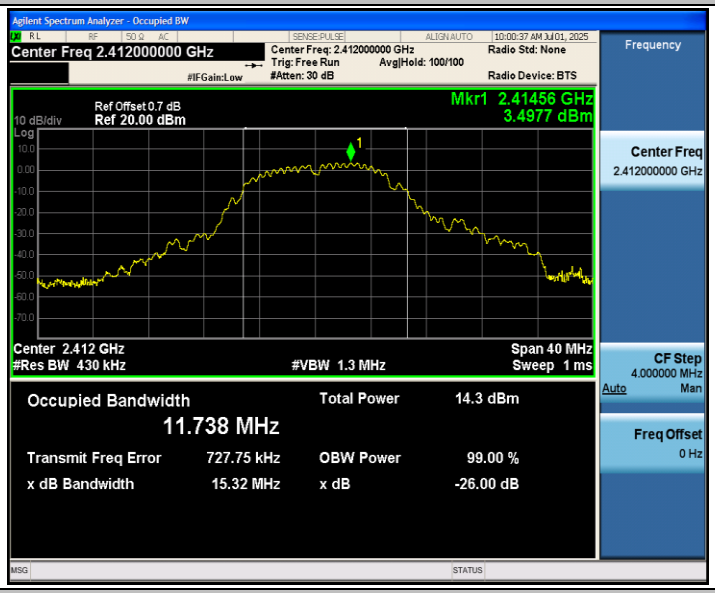
Appendix B: Occupied Channel Bandwidth

Test Result

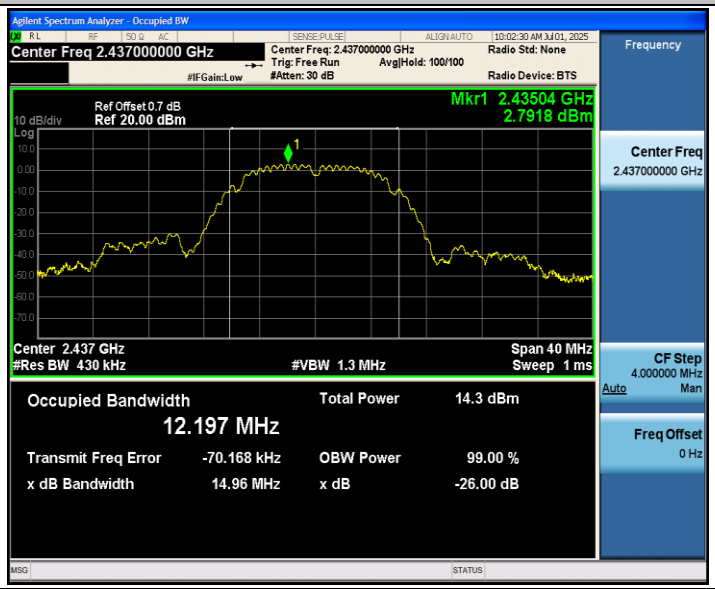
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.738	2406.8588	2418.5968	---	---
		2437	12.197	2430.8313	2443.0283	---	---
		2462	11.634	2456.5260	2468.1600	---	---
11G	Ant1	2412	16.670	2404.0474	2420.7174	---	---
		2437	16.826	2428.4544	2445.2804	---	---
		2462	16.519	2453.9040	2470.4230	---	---
11N20SISO	Ant1	2412	17.598	2403.5569	2421.1549	---	---
		2437	17.848	2427.9438	2445.7918	---	---
		2462	17.475	2453.4196	2470.8946	---	---
11N40SISO	Ant1	2422	35.385	2404.4667	2439.8517	---	---
		2437	36.577	2418.5799	2455.1569	---	---
		2452	36.506	2433.9948	2470.5008	---	---

Test Graphs

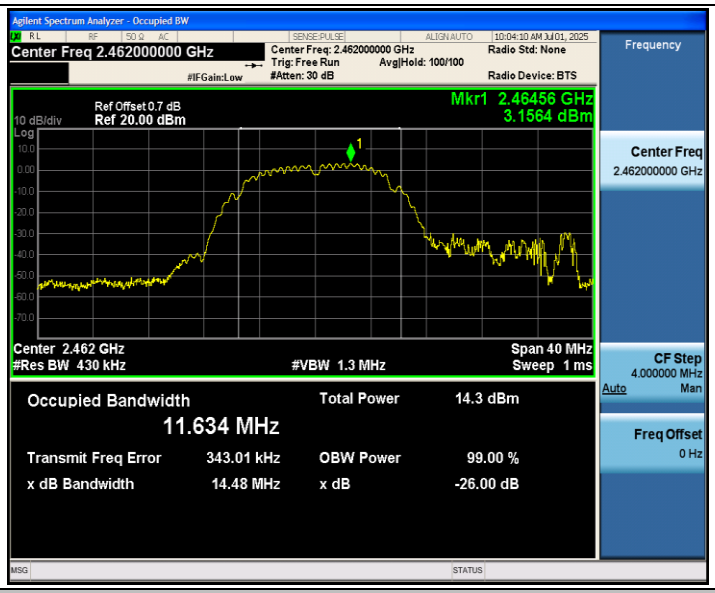
11B_Ant1_2412



11B_Ant1_2437



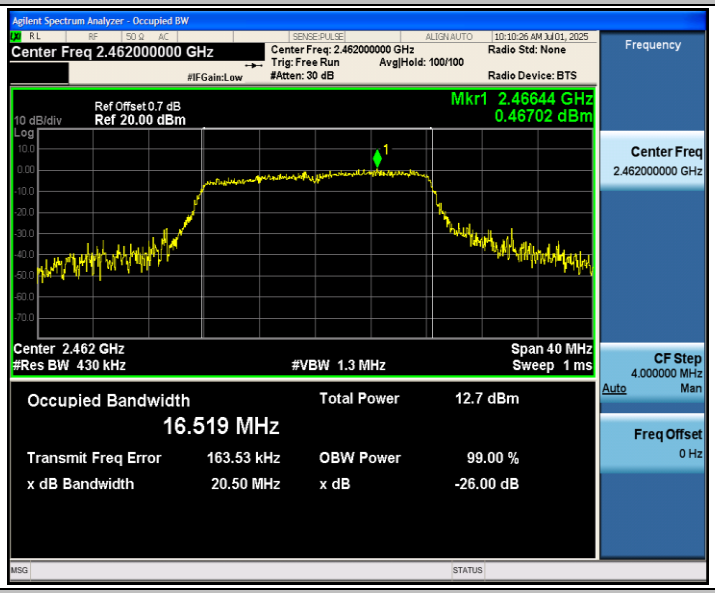
11B_Ant1_2462



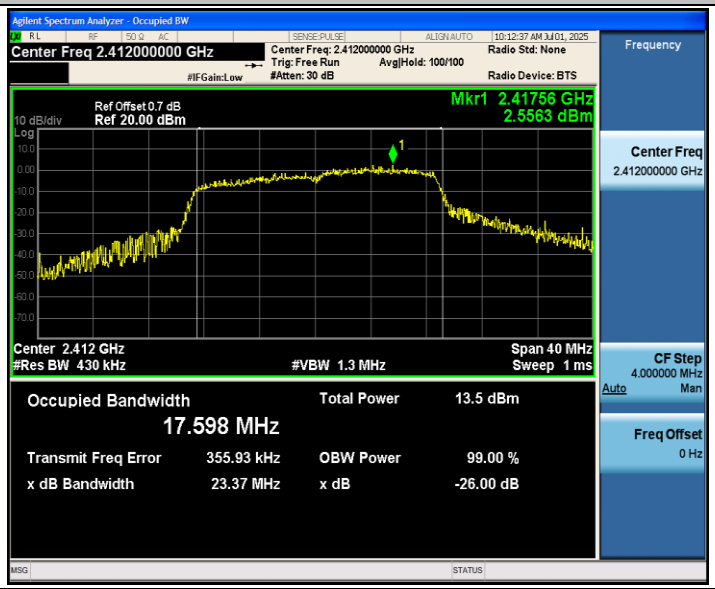
11G_Ant1_2412

11G_Ant1_2437

11G_Ant1_2462



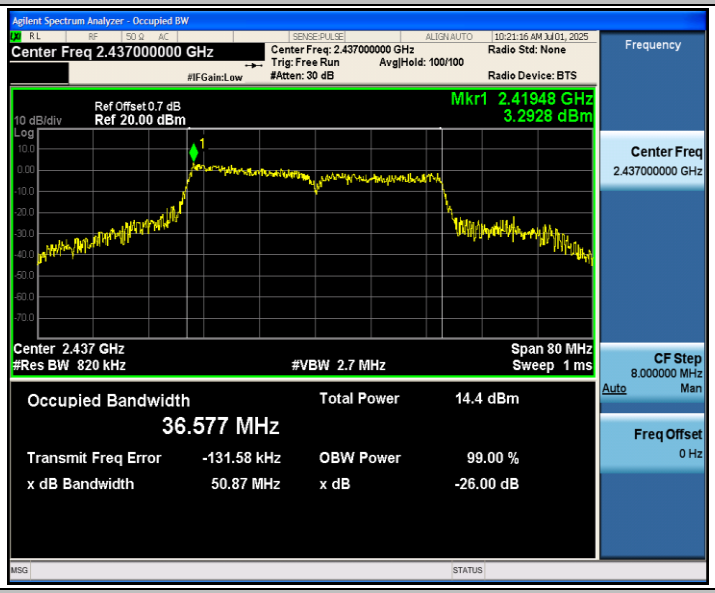
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2437


11N40SISO_Ant1_2452

Appendix C: Maximum conducted output power

Test Result Peak

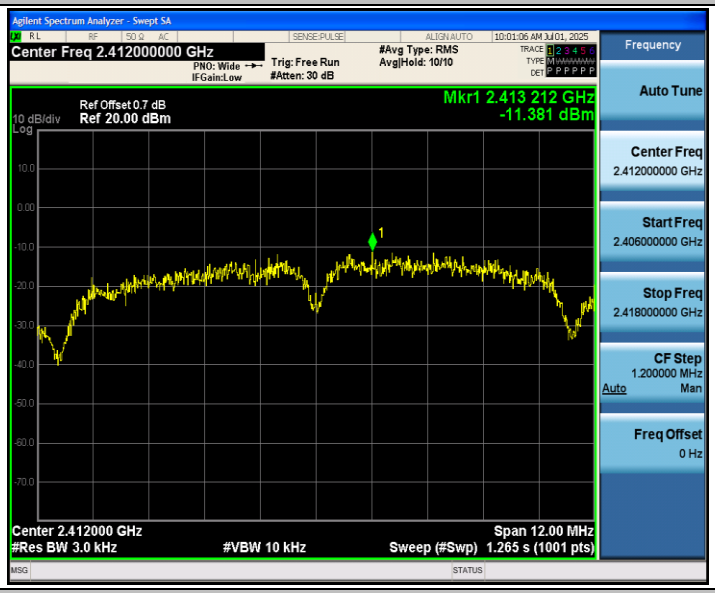
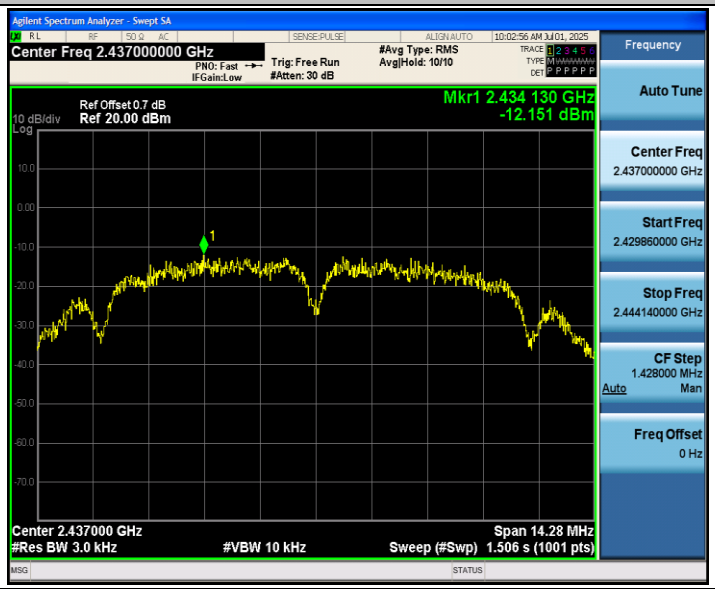
Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.88	≤30.00	PASS
		2437	14.20	≤30.00	PASS
		2462	14.11	≤30.00	PASS
11G	Ant1	2412	13.91	≤30.00	PASS
		2437	13.74	≤30.00	PASS
		2462	13.41	≤30.00	PASS
11N20SISO	Ant1	2412	13.67	≤30.00	PASS
		2437	13.36	≤30.00	PASS
		2462	13.13	≤30.00	PASS
11N40SISO	Ant1	2422	12.77	≤30.00	PASS
		2437	13.32	≤30.00	PASS
		2452	13.35	≤30.00	PASS

Appendix D: Maximum power spectral density

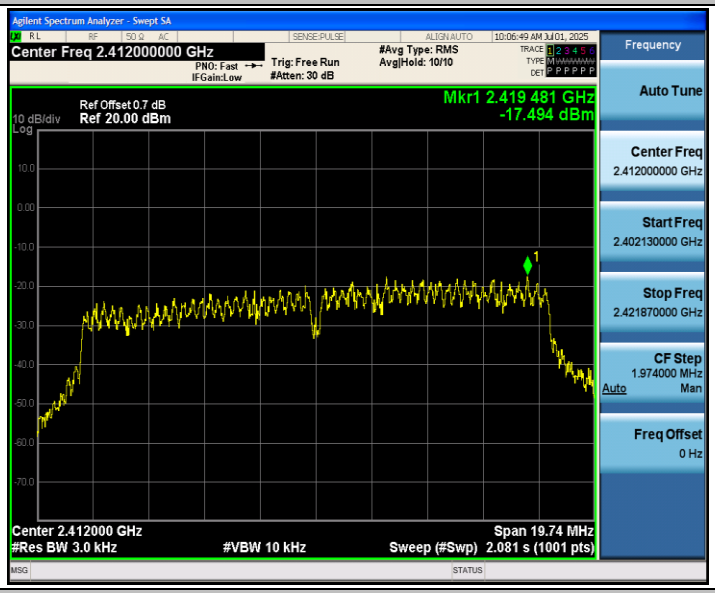
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.38	≤8.00	PASS
		2437	-12.15	≤8.00	PASS
		2462	-11.01	≤8.00	PASS
11G	Ant1	2412	-17.49	≤8.00	PASS
		2437	-18.84	≤8.00	PASS
		2462	-18.18	≤8.00	PASS
11N20SISO	Ant1	2412	-16.97	≤8.00	PASS
		2437	-17.71	≤8.00	PASS
		2462	-18.38	≤8.00	PASS
11N40SISO	Ant1	2422	-19.11	≤8.00	PASS
		2437	-20.31	≤8.00	PASS
		2452	-19.95	≤8.00	PASS

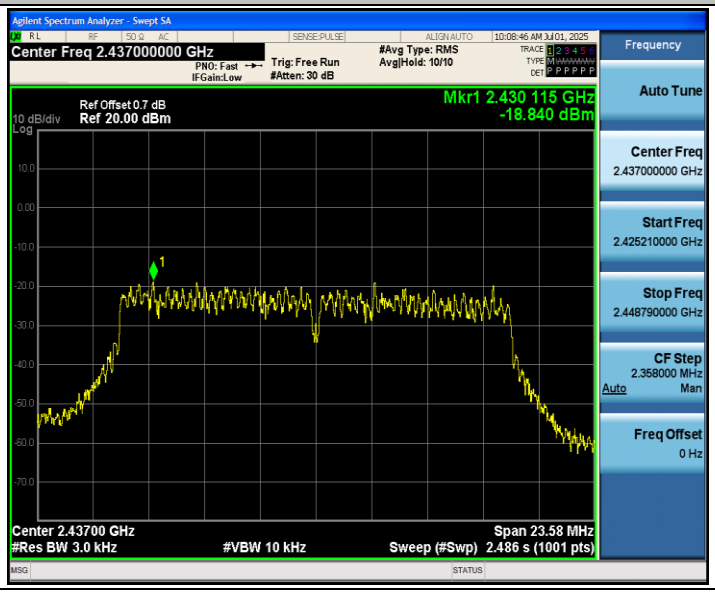
Test Graphs

11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462

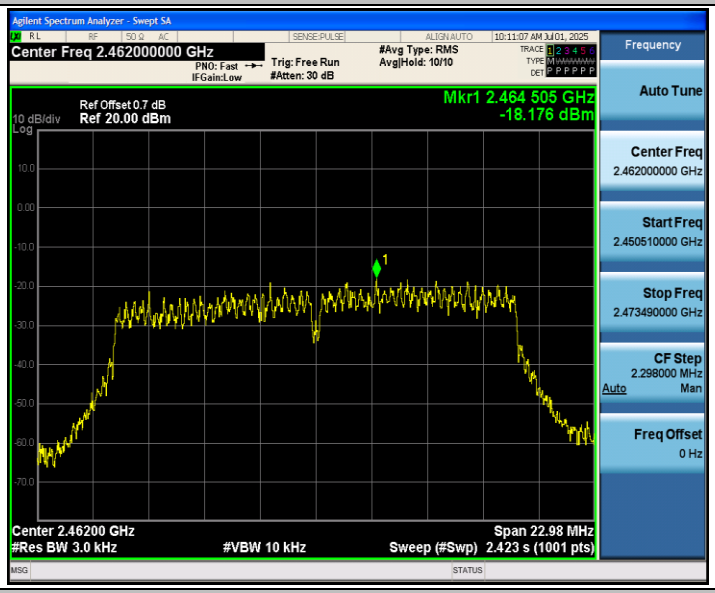
11G_Ant1_2412



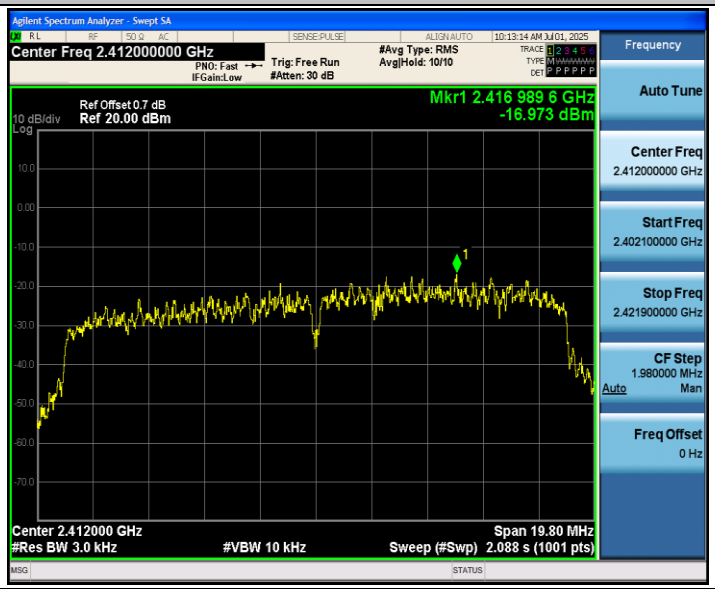
11G_Ant1_2437



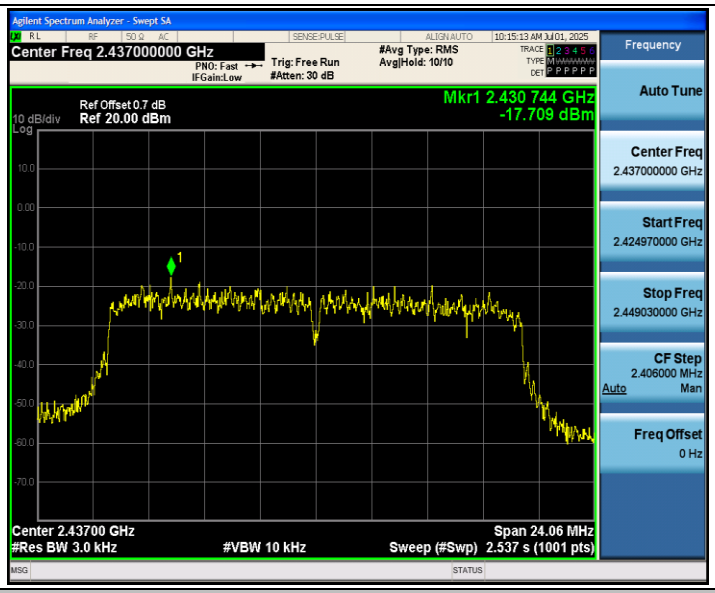
11G_Ant1_2462



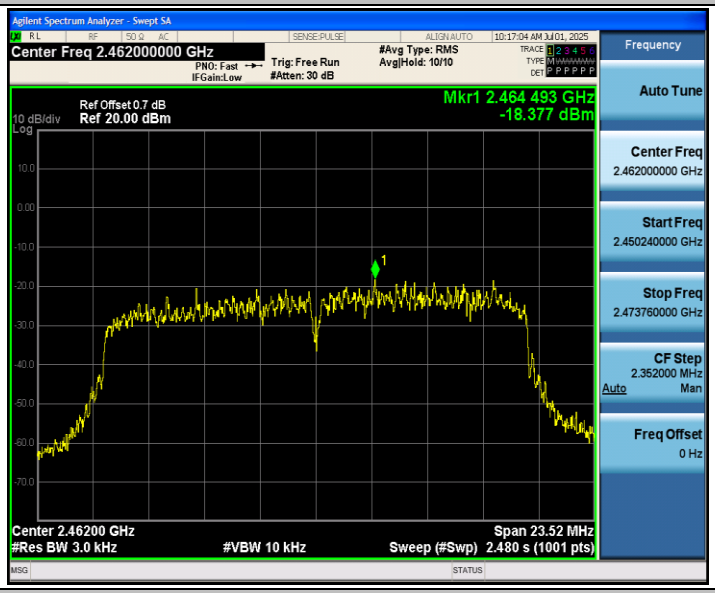
11N20SISO_Ant1_2412



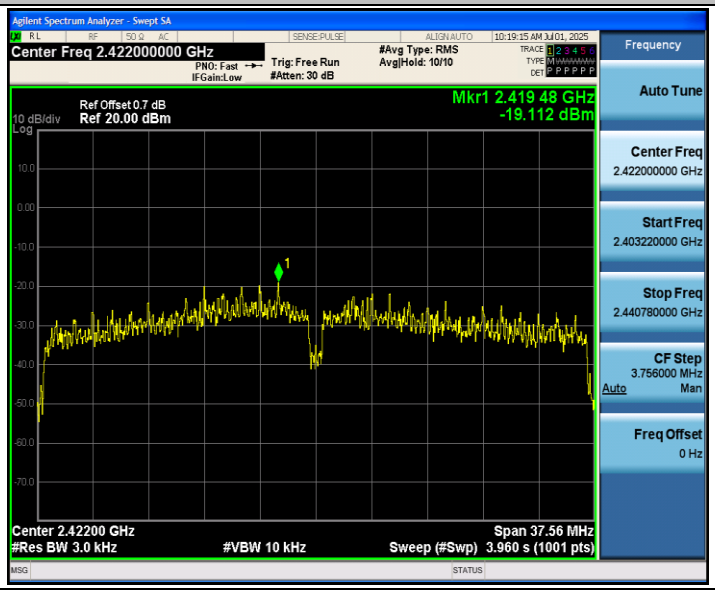
11N20SISO_Ant1_2437

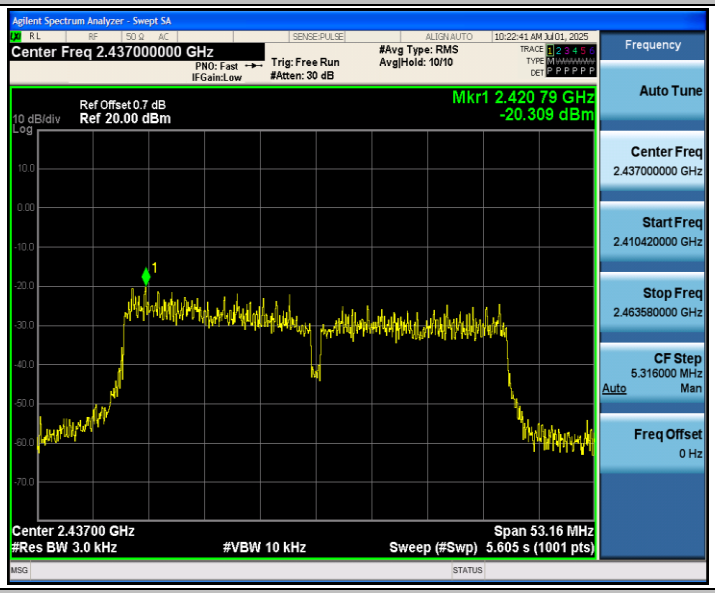


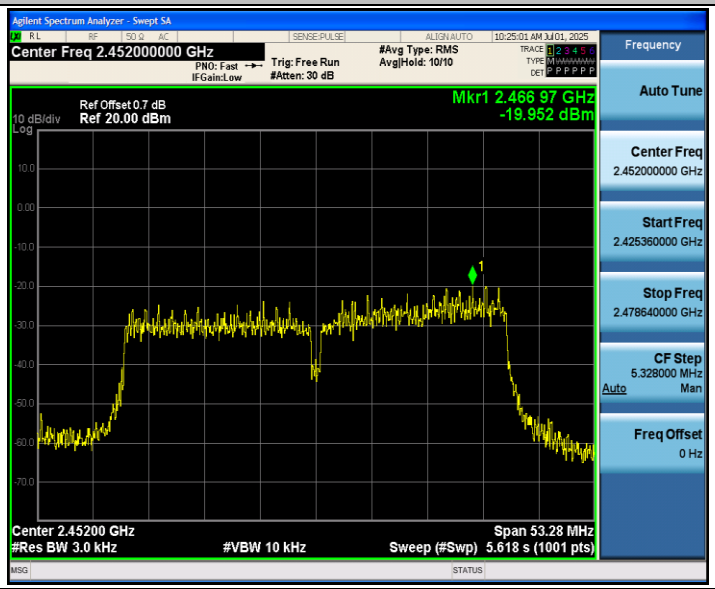
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437


11N40SISO_Ant1_2452


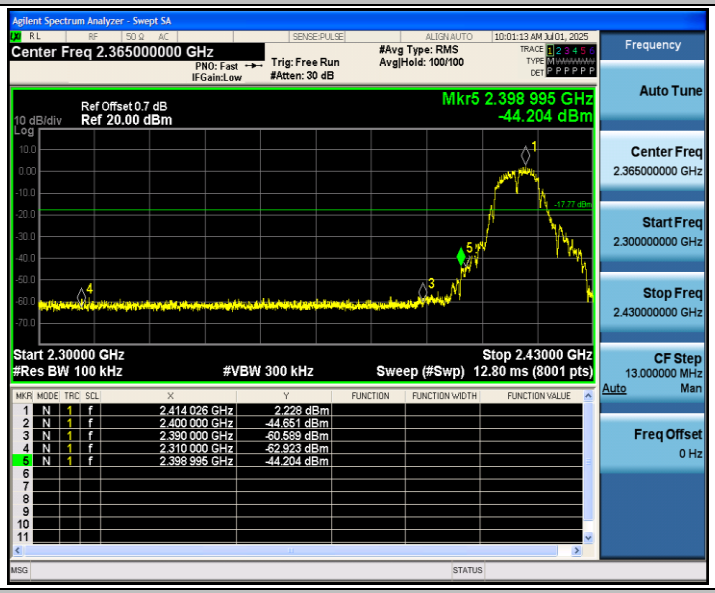
Appendix E: Band edge measurements

Test Result

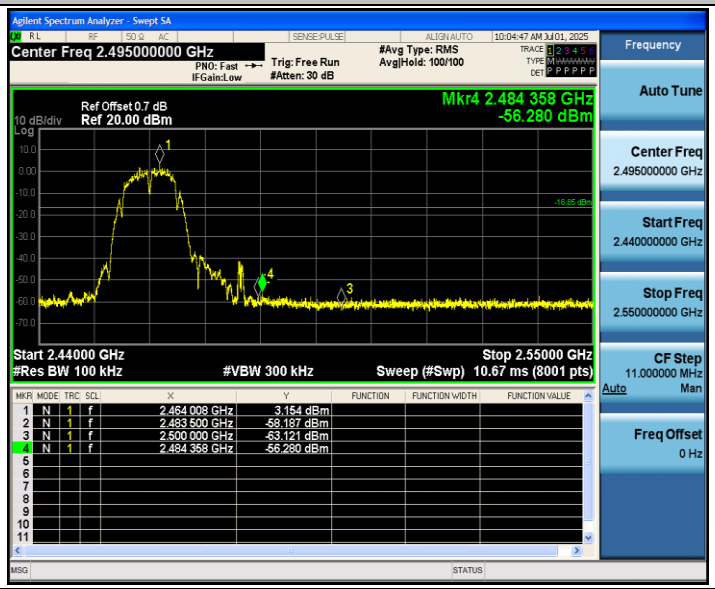
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.23	-44.2	≤-17.77	PASS
		High	2462	3.15	-56.28	≤-16.85	PASS
11G	Ant1	Low	2412	-0.72	-42.01	≤-20.72	PASS
		High	2462	-2.45	-51.48	≤-22.45	PASS
11N20SISO	Ant1	Low	2412	-0.73	-38.46	≤-20.73	PASS
		High	2462	-2.27	-52.5	≤-22.27	PASS
11N40SISO	Ant1	Low	2422	-3.20	-43.27	≤-23.2	PASS
		High	2452	-3.94	-41.42	≤-23.94	PASS

Test Graphs

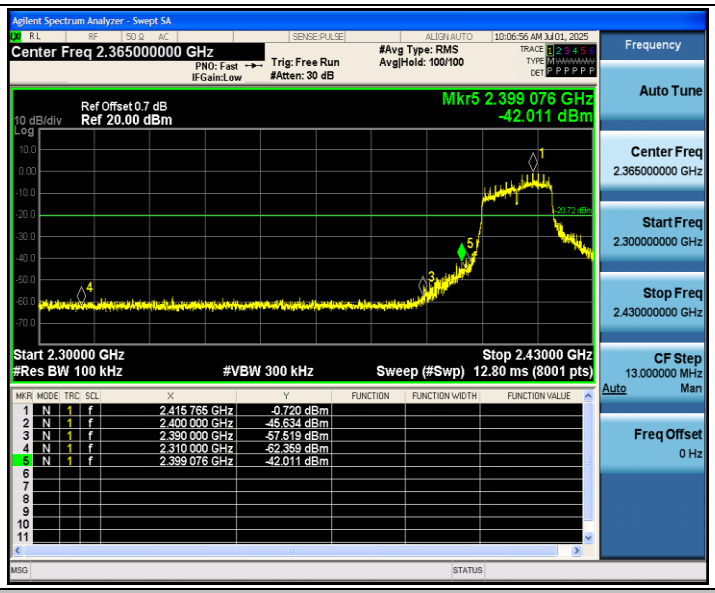
11B_Ant1_Low_2412



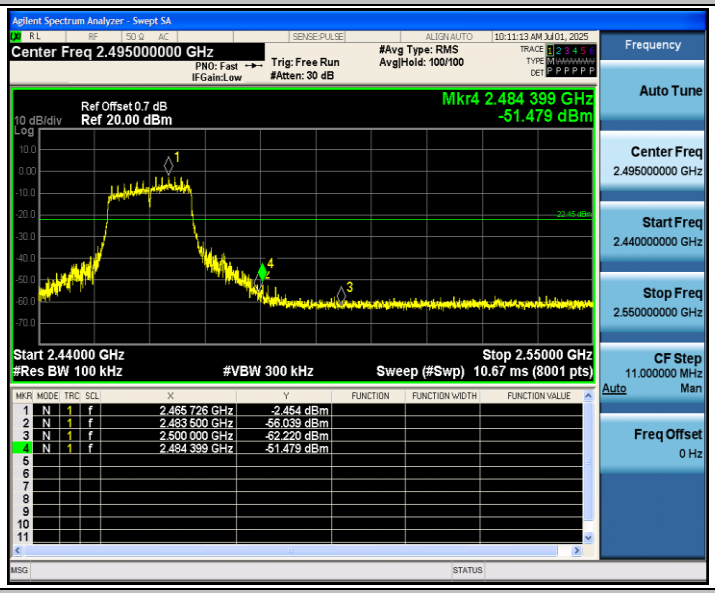
11B_Ant1_High_2462



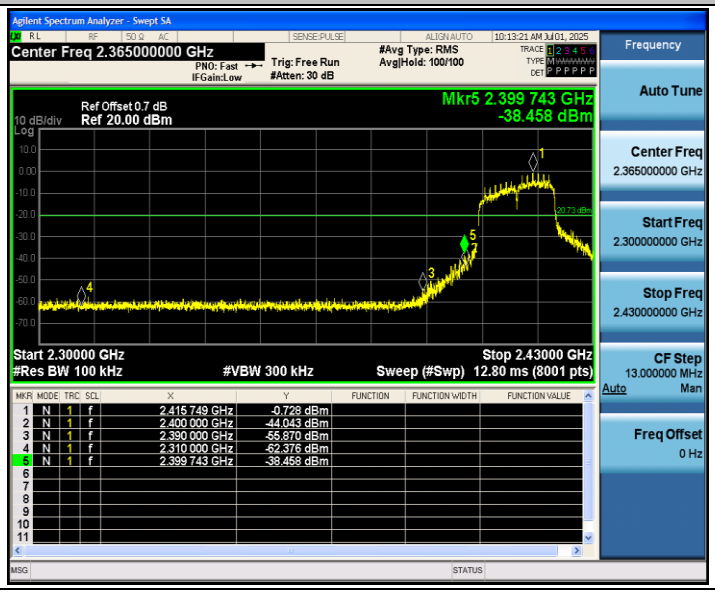
11G_Ant1_Low_2412



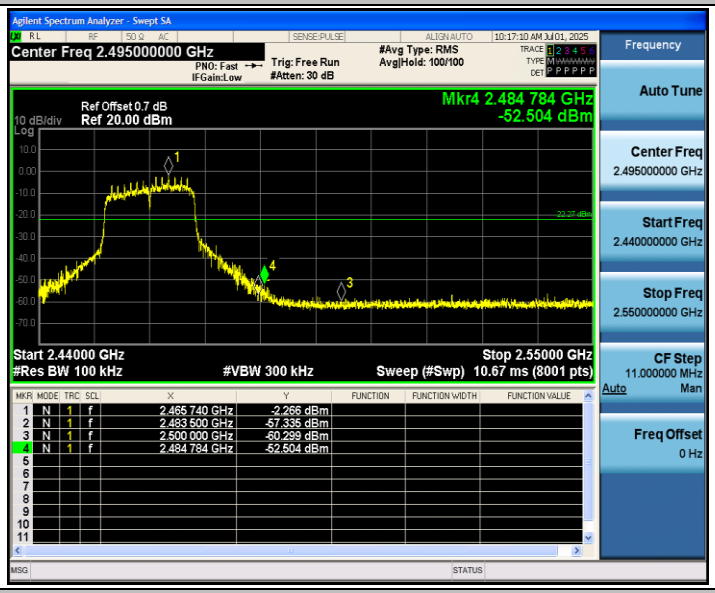
11G_Ant1_High_2462



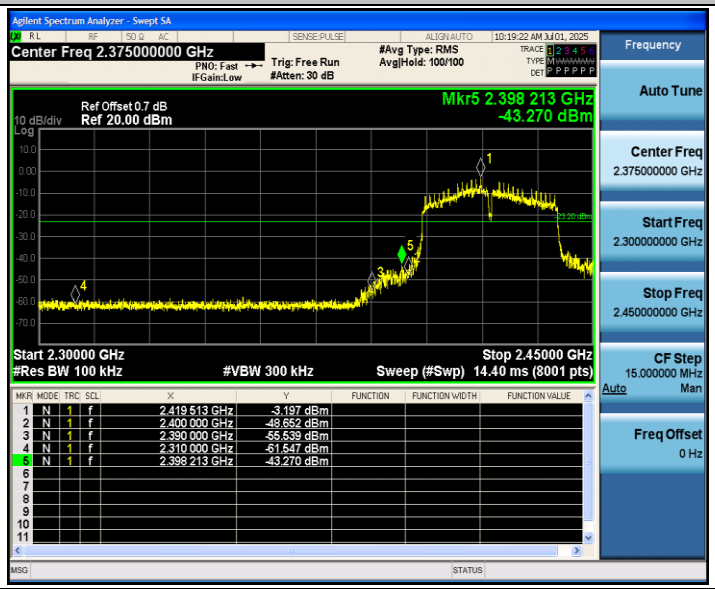
11N20SISO_Ant1_Low_2412



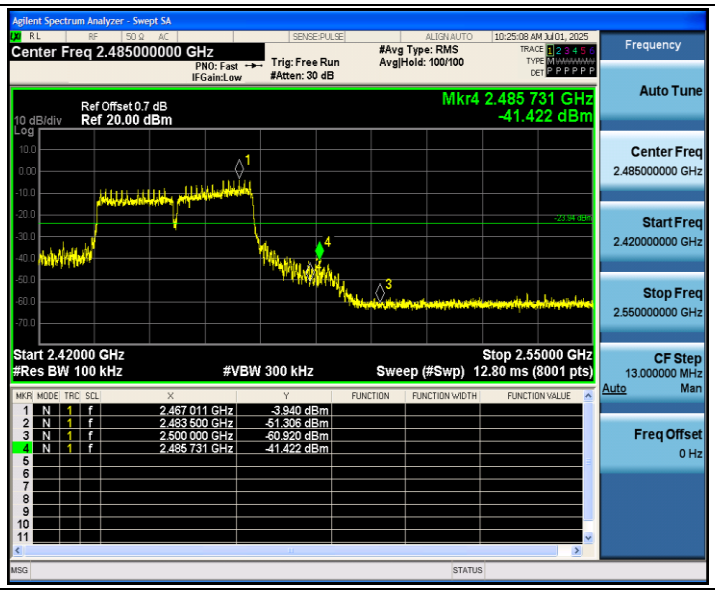
11N20SISO_Ant1_High_2462



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
10:25:08 AM Jul 01, 2025
Ref Offset 0.7 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr4 2.485 731 GHz
-41.422 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 2.467 011 GHz -3.940 dBm
2 N 1 f 2.483 500 GHz -51.306 dBm
3 N 1 f 2.500 000 GHz -60.920 dBm
4 N 1 f 2.485 731 GHz -41.422 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

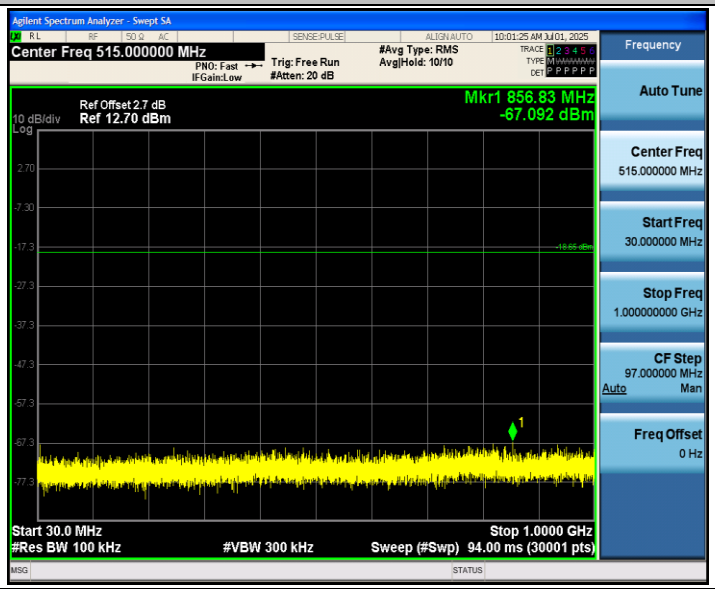
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-67.09	≤-18.65	PASS
			1000~26500	1.35	-42.68	≤-18.65	PASS
		2437	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-67.54	≤-18.9	PASS
			1000~26500	1.10	-39.24	≤-18.9	PASS
		2462	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-67.98	≤-18.59	PASS
			1000~26500	1.41	-41.65	≤-18.59	PASS
11G	Ant1	2412	Reference	-1.09	-1.09	---	PASS
			30~1000	-1.09	-67.38	≤-21.09	PASS
			1000~26500	-1.09	-48.05	≤-21.09	PASS
		2437	Reference	-4.41	-4.41	---	PASS
			30~1000	-4.41	-67.32	≤-24.41	PASS
			1000~26500	-4.41	-48.97	≤-24.41	PASS
		2462	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-68.08	≤-22.11	PASS
			1000~26500	-2.11	-46.74	≤-22.11	PASS
11N20SISO	Ant1	2412	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-67.11	≤-21.68	PASS
			1000~26500	-1.68	-48.78	≤-21.68	PASS
		2437	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-67.69	≤-22.73	PASS
			1000~26500	-2.73	-53.21	≤-22.73	PASS
		2462	Reference	-2.06	-2.06	---	PASS
			30~1000	-2.06	-67.47	≤-22.06	PASS
			1000~26500	-2.06	-53.07	≤-22.06	PASS
11N40SISO	Ant1	2422	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-67.38	≤-23.66	PASS
			1000~26500	-3.66	-52.89	≤-23.66	PASS
		2437	Reference	-4.23	-4.23	---	PASS
			30~1000	-4.23	-67.7	≤-24.23	PASS
			1000~26500	-4.23	-50.22	≤-24.23	PASS
		2452	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-67.55	≤-24.71	PASS
			1000~26500	-4.71	-54.25	≤-24.71	PASS

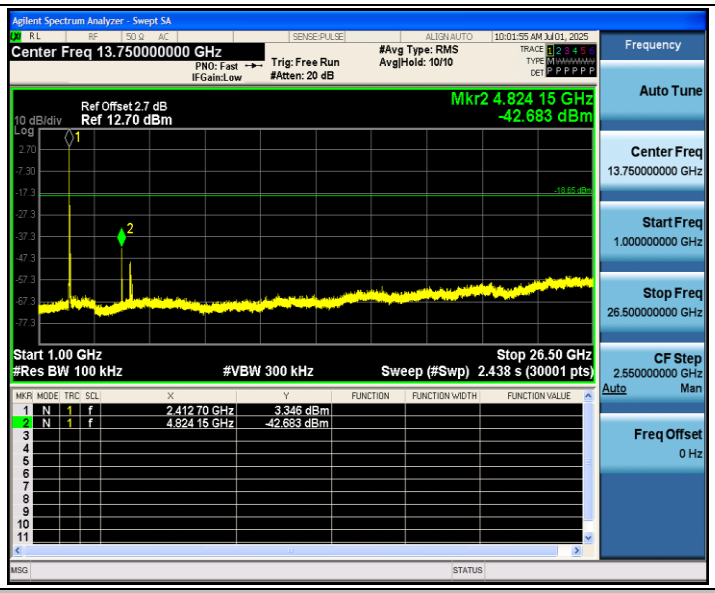
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

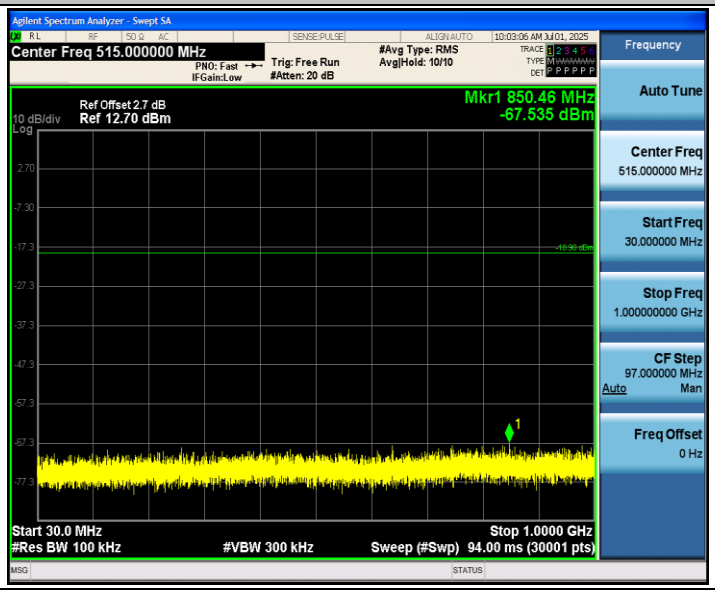


11B_Ant1_2412_1000~26500

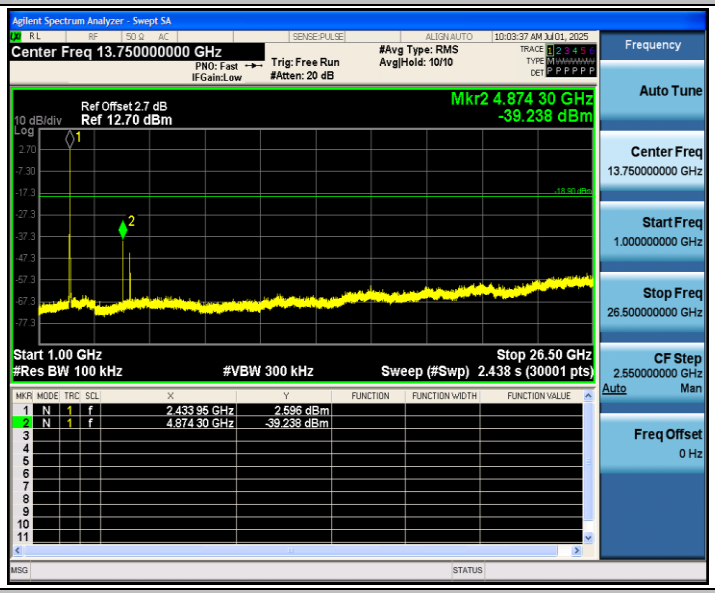


11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000

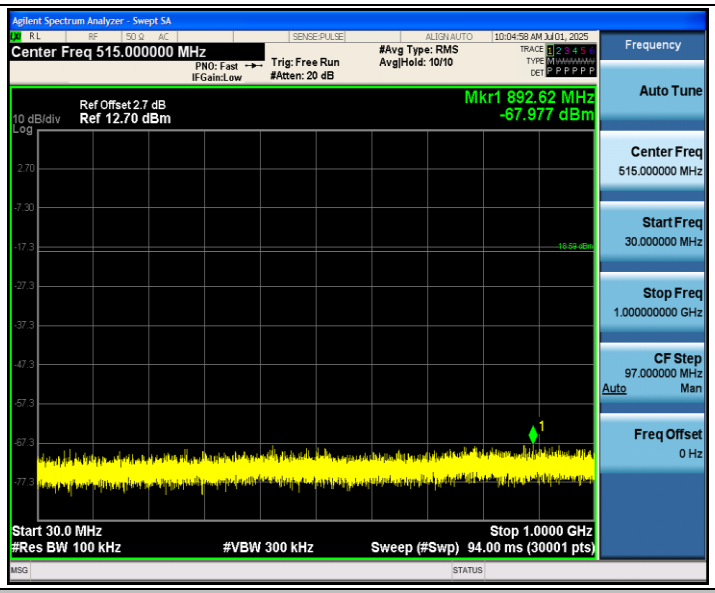


11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference

11B_Ant1_2462_30~1000



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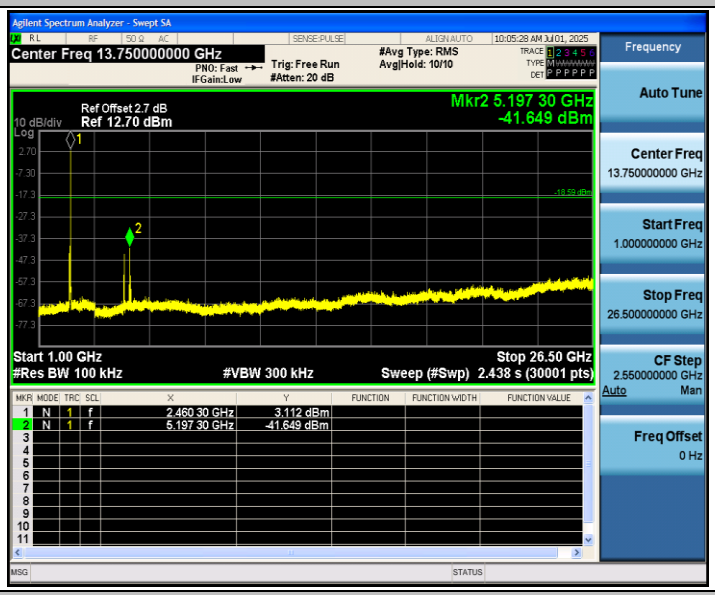

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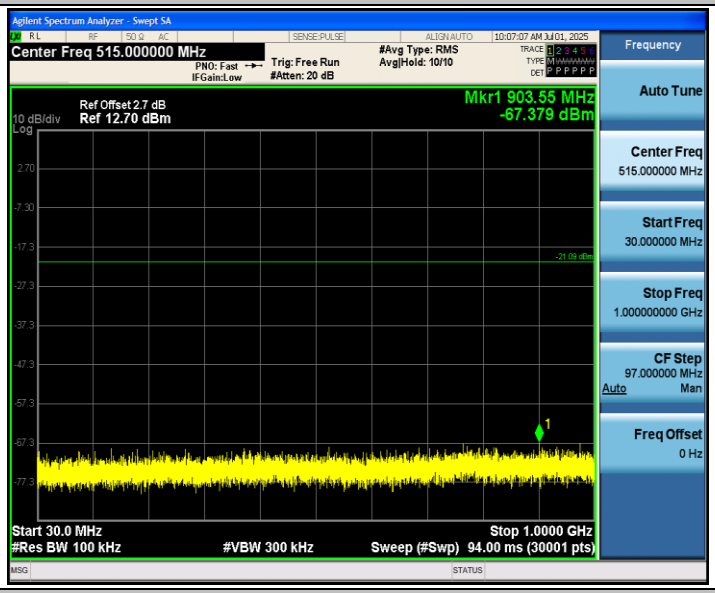

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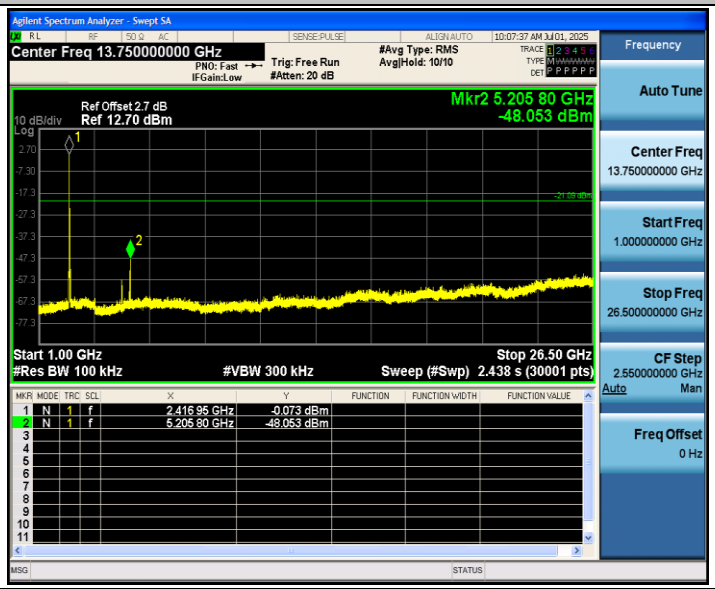

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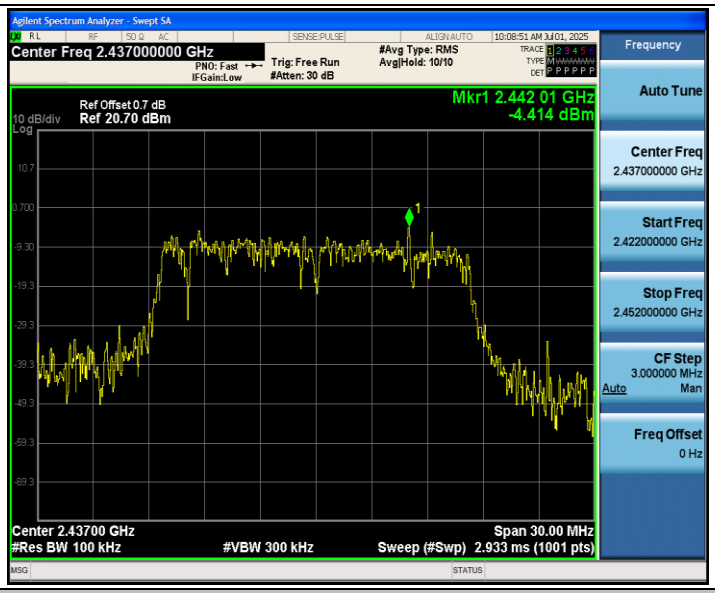

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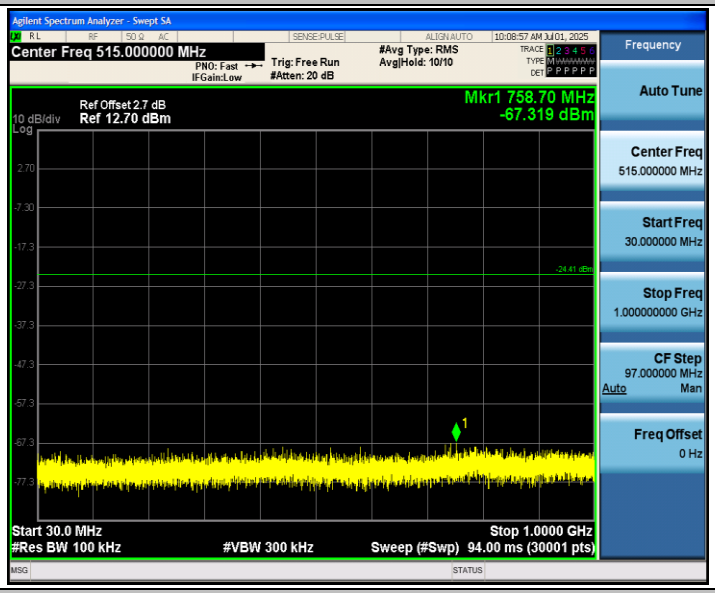

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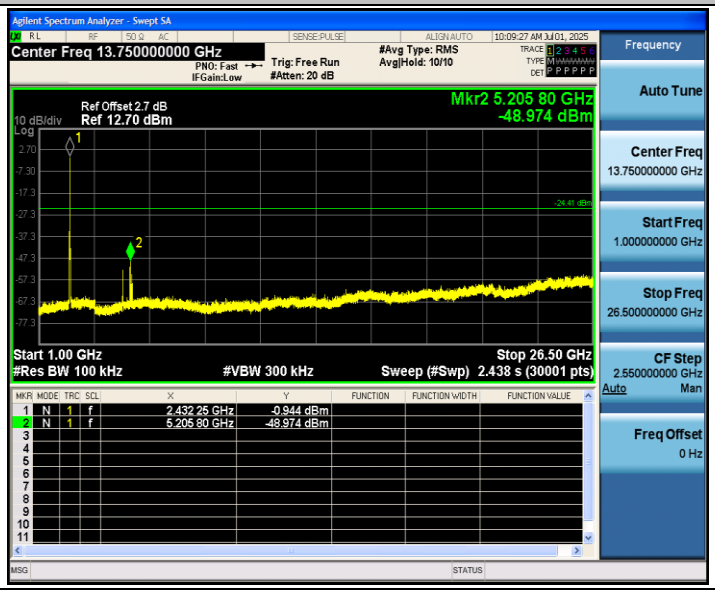

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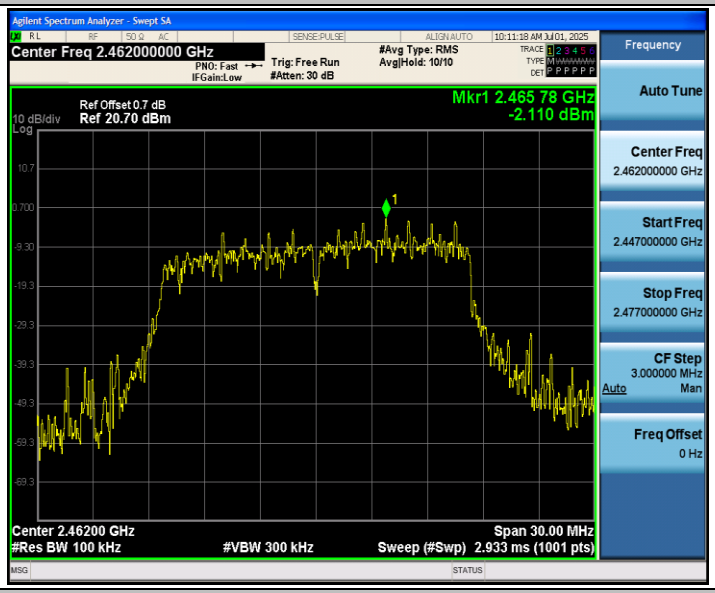

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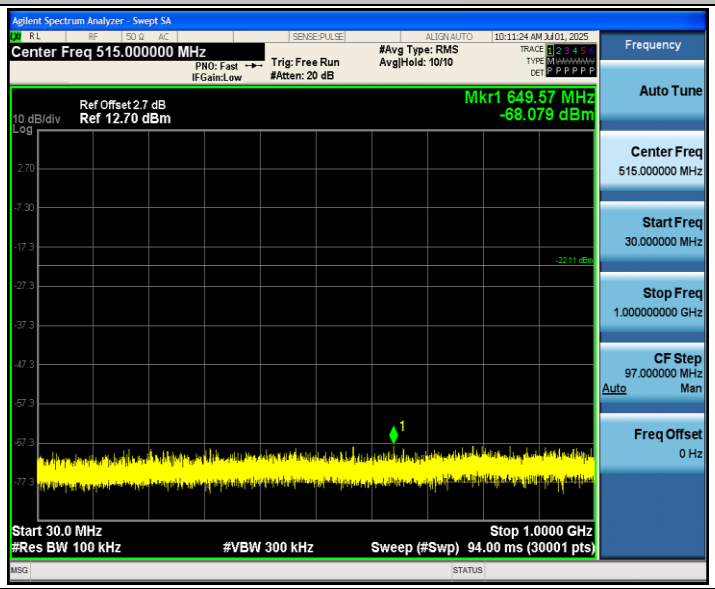

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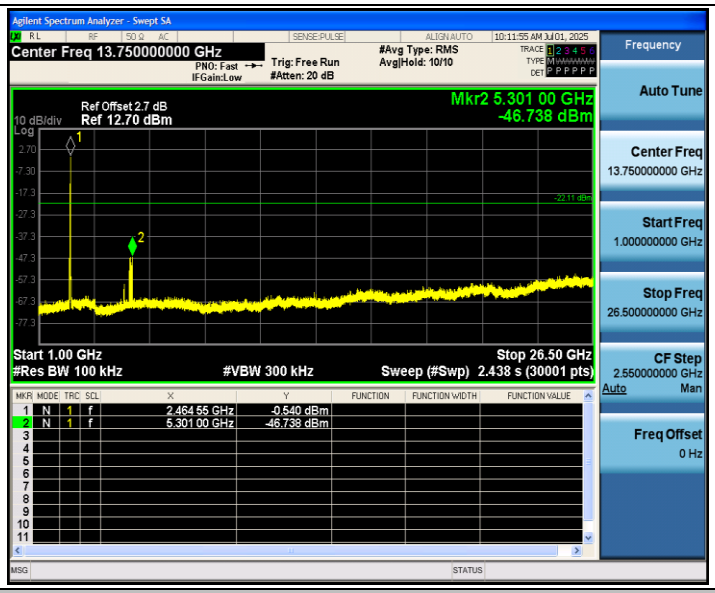

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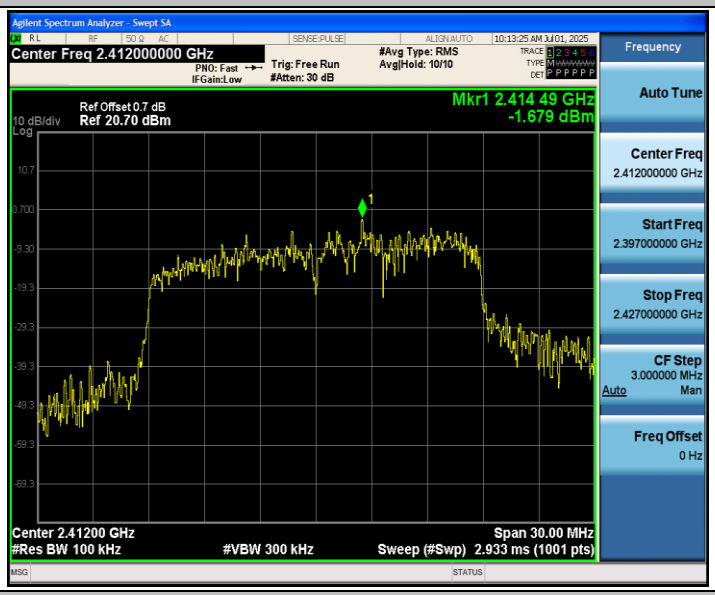
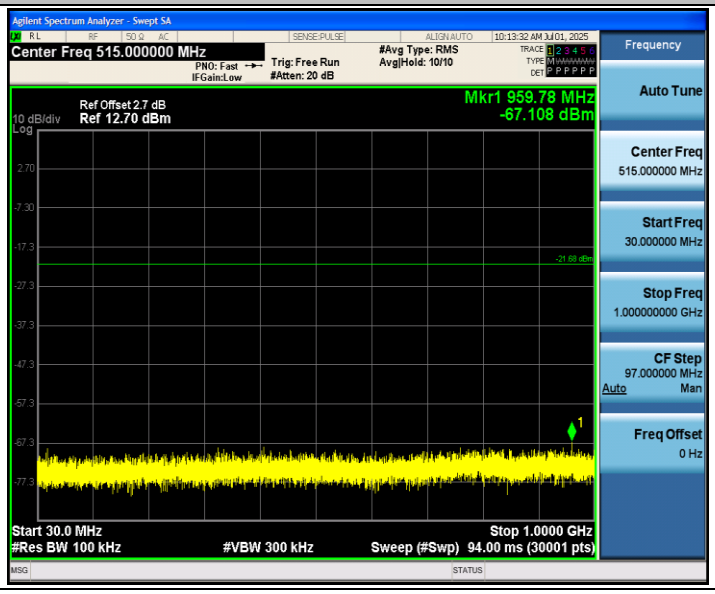
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