Case No. : GTS20250225016-1-07	
Ambient Condition: 22 ℃, 48 %RH,	
Test Date: 2025.4.18	**Test Engineer:** Evan ouyang

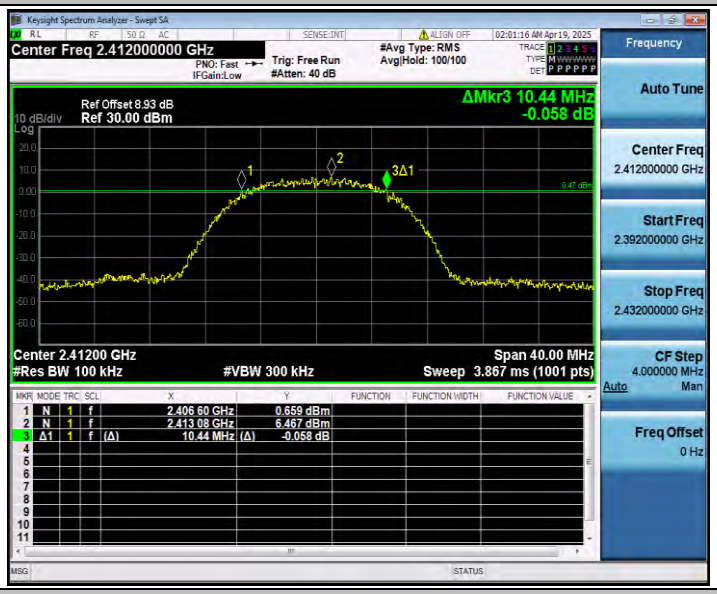
Appendix A.1: DTS Bandwidth

Test Result

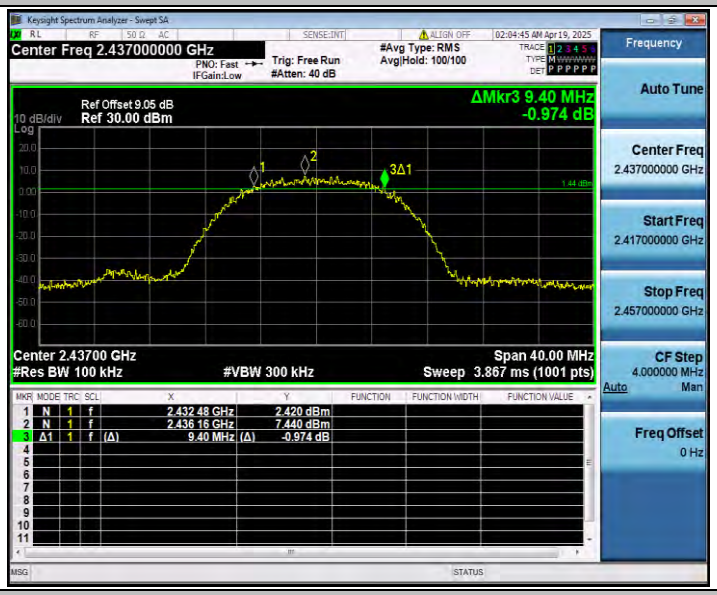
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.440	2406.600	2417.040	0.5	PASS
		2437	9.400	2432.480	2441.880	0.5	PASS
		2462	9.400	2457.440	2466.840	0.5	PASS
11G	Ant2	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.440	2428.760	2445.200	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant2	2412	17.000	2403.440	2420.440	0.5	PASS
		2437	17.040	2428.480	2445.520	0.5	PASS
		2462	17.080	2453.440	2470.520	0.5	PASS
11N40SISO	Ant2	2422	35.680	2404.080	2439.760	0.5	PASS
		2437	35.360	2419.240	2454.600	0.5	PASS
		2452	35.280	2434.480	2469.760	0.5	PASS

Test Graphs

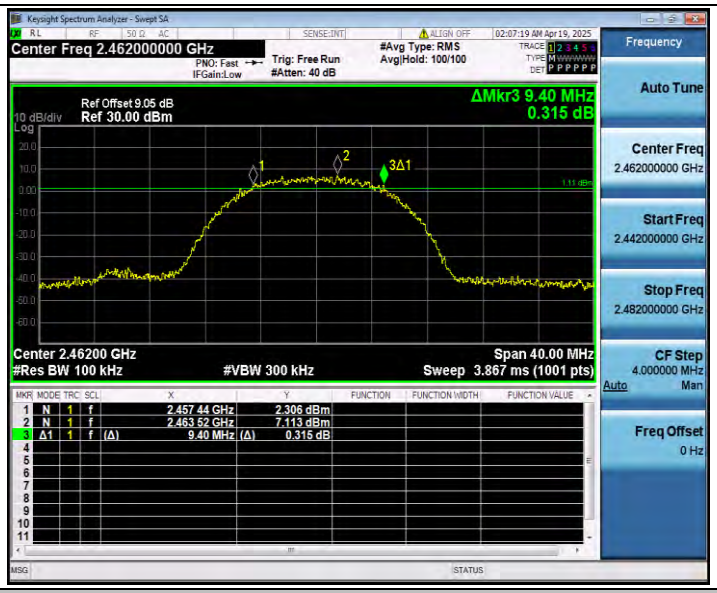
11B_Ant2_2412



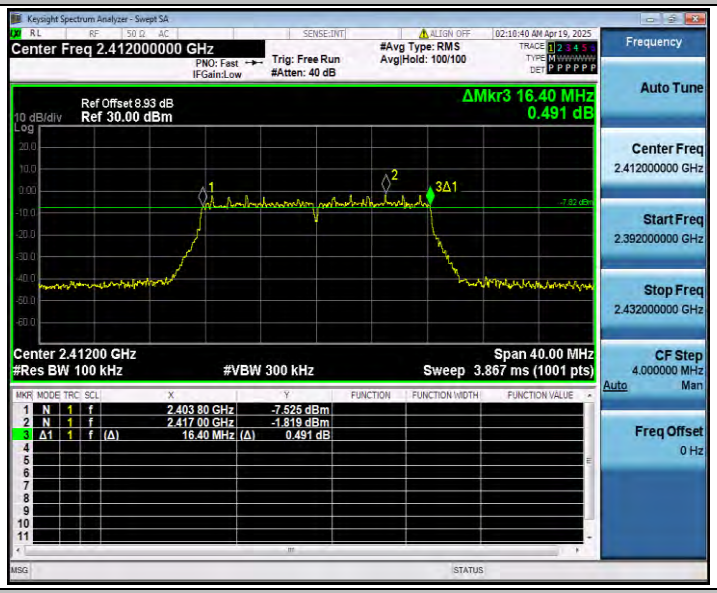
11B_Ant2_2437



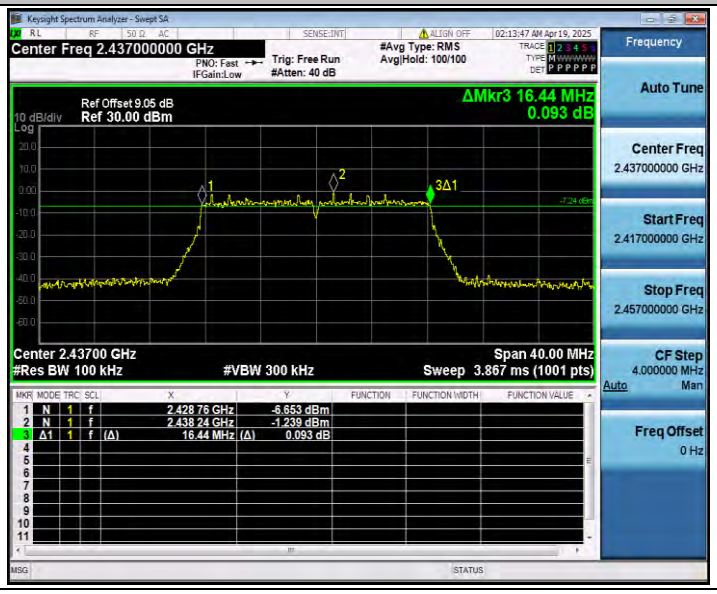
11B_Ant2_2462



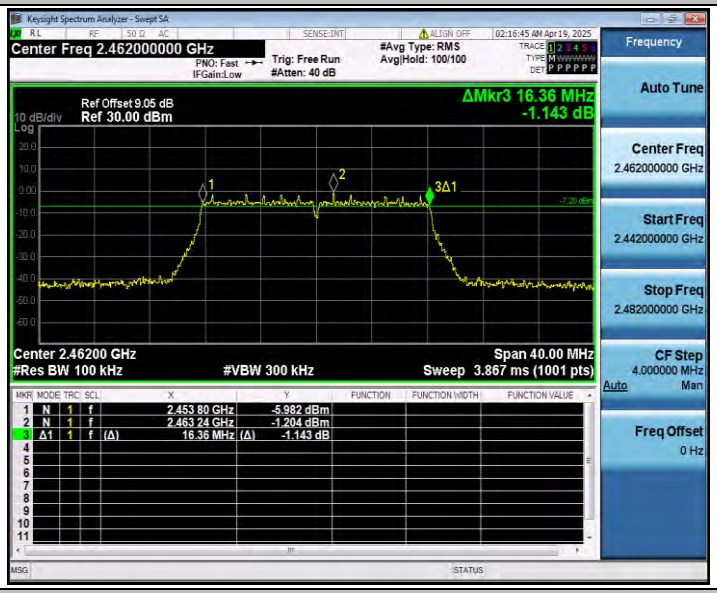
11G_Ant2_2412



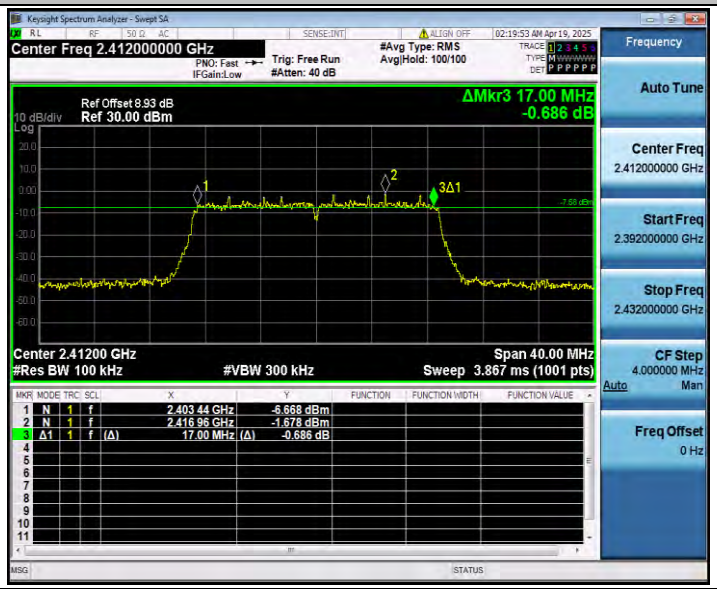
11G_Ant2_2437



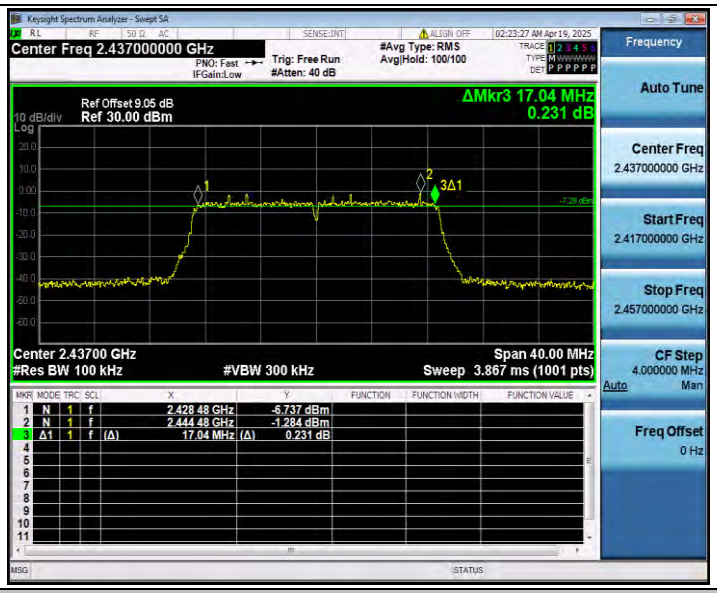
11G_Ant2_2462



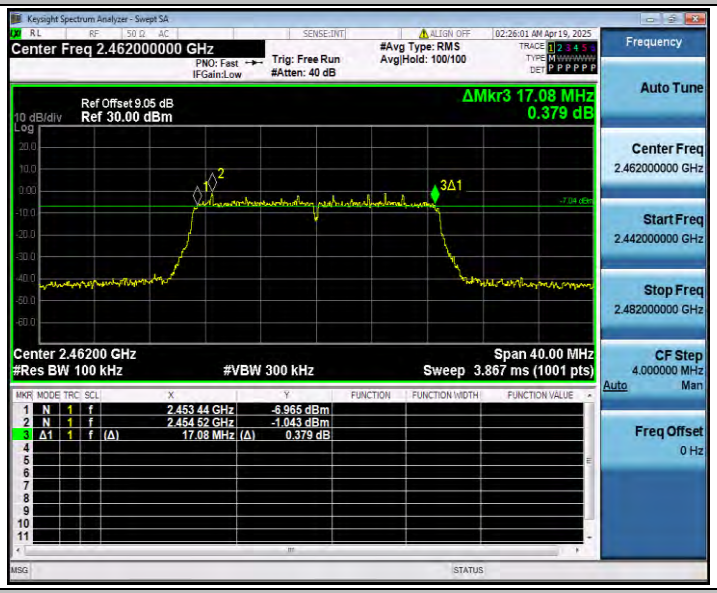
11N20SISO_Ant2_2412



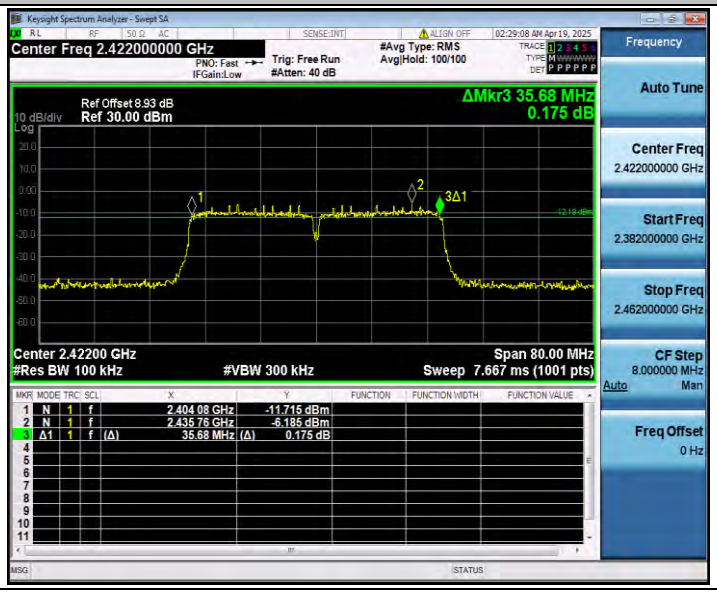
11N20SISO_Ant2_2437

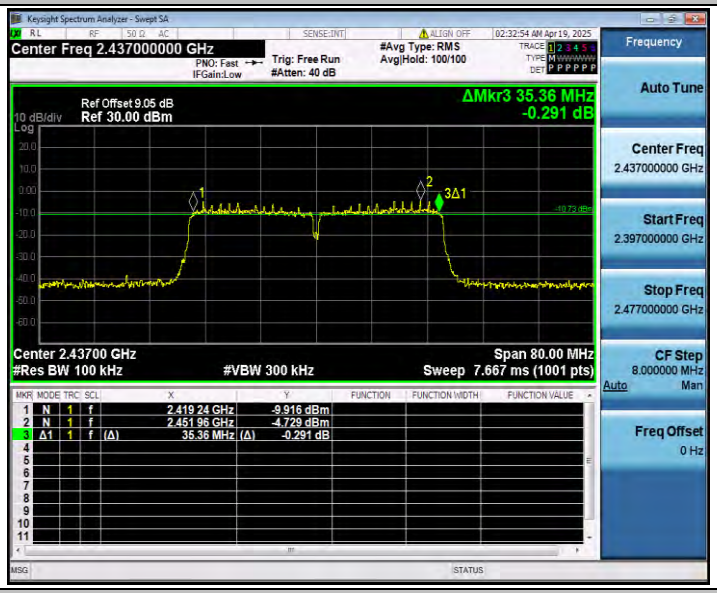


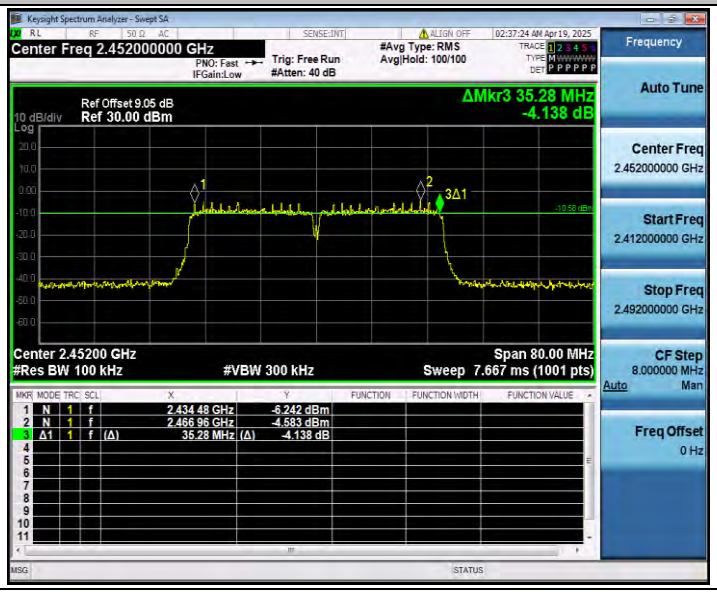
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437


11N40SISO_Ant2_2452


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.935	2405.5712	2418.5062	---	---
		2437	13.049	2430.4843	2443.5333	---	---
		2462	13.040	2455.4245	2468.4645	---	---
11G	Ant2	2412	16.768	2403.6257	2420.3937	---	---
		2437	16.769	2428.6304	2445.3994	---	---
		2462	16.798	2453.5716	2470.3696	---	---
11N20SISO	Ant2	2412	17.676	2403.1759	2420.8519	---	---
		2437	17.706	2428.1577	2445.8637	---	---
		2462	17.678	2453.1434	2470.8214	---	---
11N40SISO	Ant2	2422	36.158	2403.9532	2440.1112	---	---
		2437	36.149	2418.9125	2455.0615	---	---
		2452	36.129	2433.9497	2470.0787	---	---

Test Graphs

11B_Ant2_2412

11B_Ant2_2437

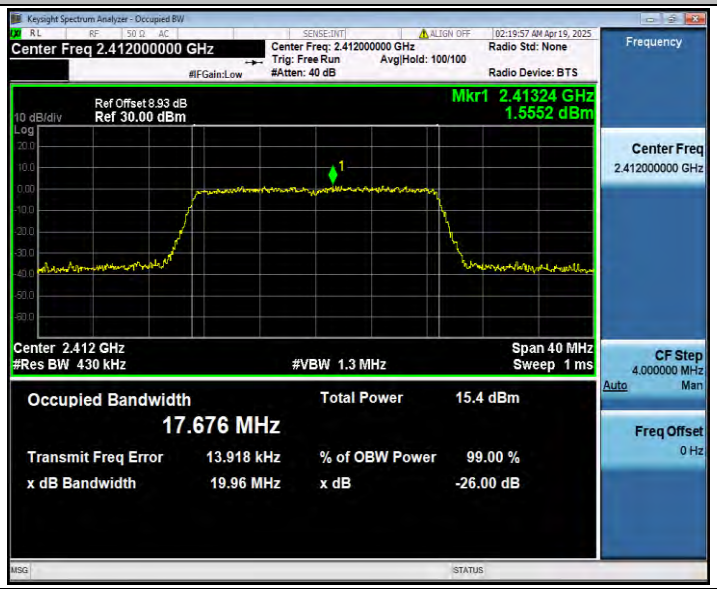
11B_Ant2_2462

11G_Ant2_2412

11G_Ant2_2437

11G_Ant2_2462

11N20SISO_Ant2_2412



11N20SISO_Ant2_2437

11N20SISO_Ant2_2462

11N40SISO_Ant2_2422

11N40SISO_Ant2_2437

11N40SISO_Ant2_2452

Appendix A.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	21.66	≤30.00	PASS
		2437	22.22	≤30.00	PASS
		2462	22.26	≤30.00	PASS
11G	Ant2	2412	16.40	≤30.00	PASS
		2437	16.99	≤30.00	PASS
		2462	17.07	≤30.00	PASS
11N20SISO	Ant2	2412	16.66	≤30.00	PASS
		2437	17.27	≤30.00	PASS
		2462	17.31	≤30.00	PASS
11N40SISO	Ant2	2422	15.49	≤30.00	PASS
		2437	16.42	≤30.00	PASS
		2452	16.51	≤30.00	PASS

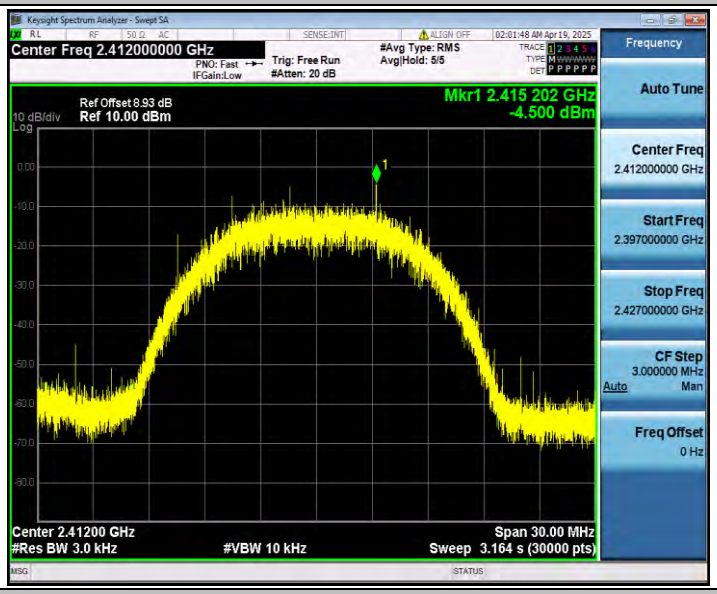
Appendix A.4: Maximum power spectral density

Test Result

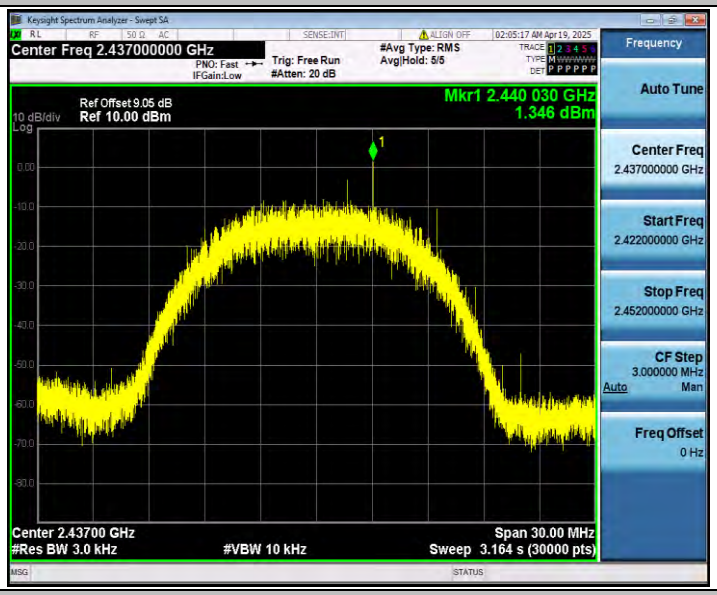
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-4.50	≤8.00	PASS
		2437	1.35	≤8.00	PASS
		2462	0.54	≤8.00	PASS
11G	Ant2	2412	-15.60	≤8.00	PASS
		2437	-15.13	≤8.00	PASS
		2462	-14.60	≤8.00	PASS
11N20SISO	Ant2	2412	-16.15	≤8.00	PASS
		2437	-15.16	≤8.00	PASS
		2462	-15.57	≤8.00	PASS
11N40SISO	Ant2	2422	-19.98	≤8.00	PASS
		2437	-17.72	≤8.00	PASS
		2452	-18.80	≤8.00	PASS

Test Graphs

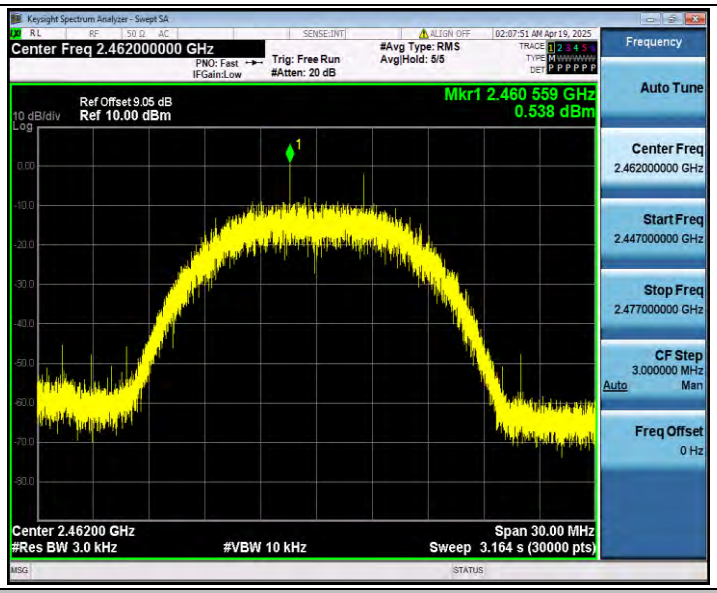
11B_Ant2_2412



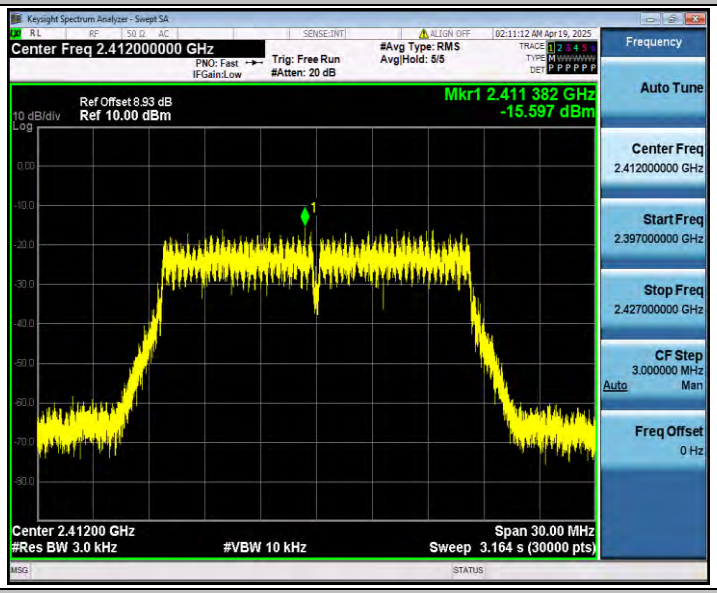
11B_Ant2_2437



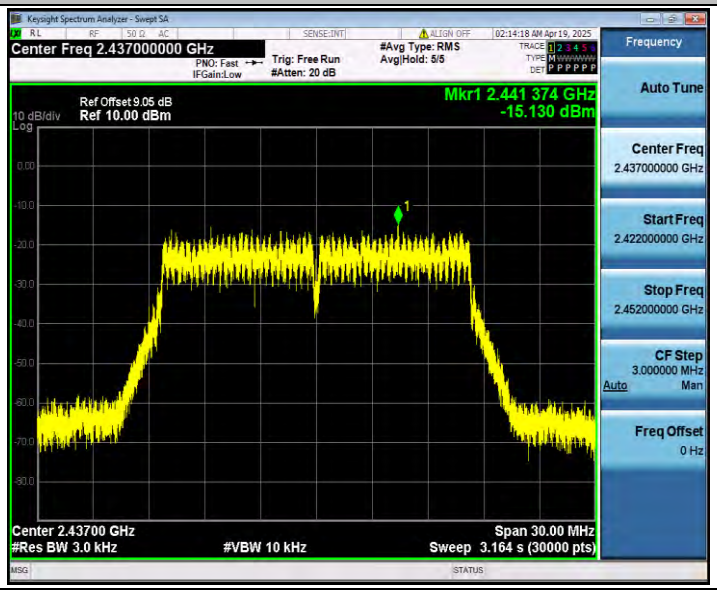
11B_Ant2_2462



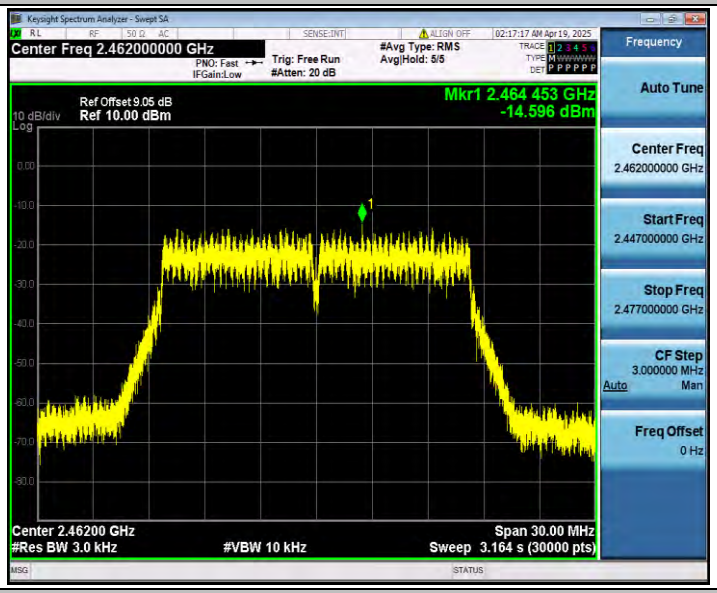
11G_Ant2_2412



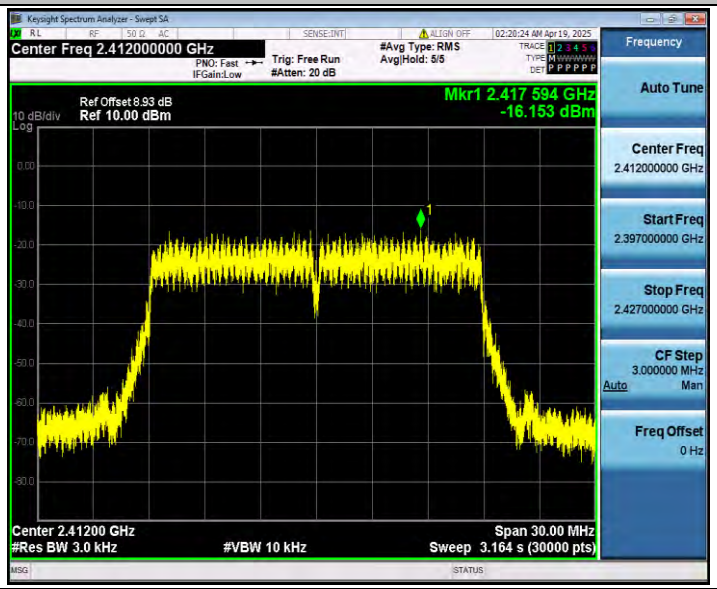
11G_Ant2_2437



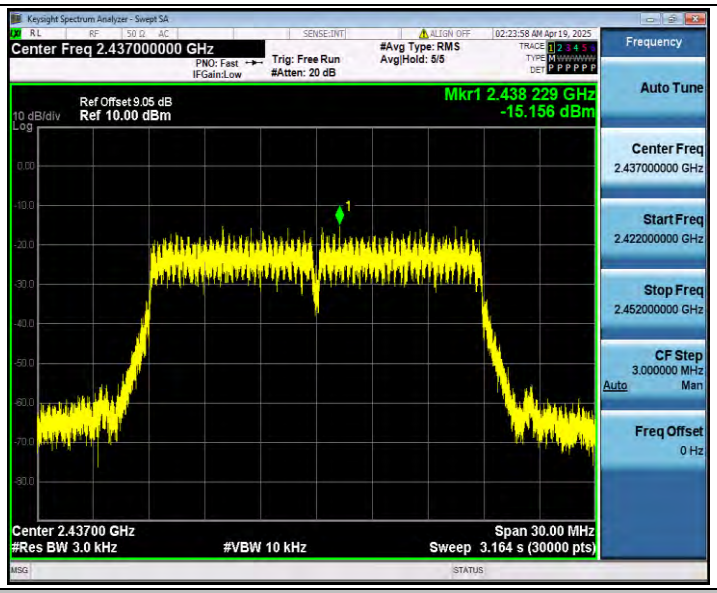
11G_Ant2_2462



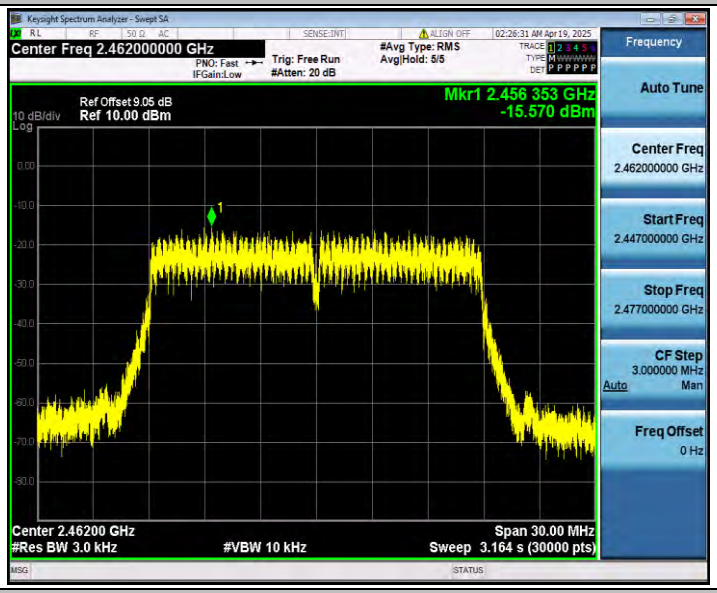
11N20SISO_Ant2_2412



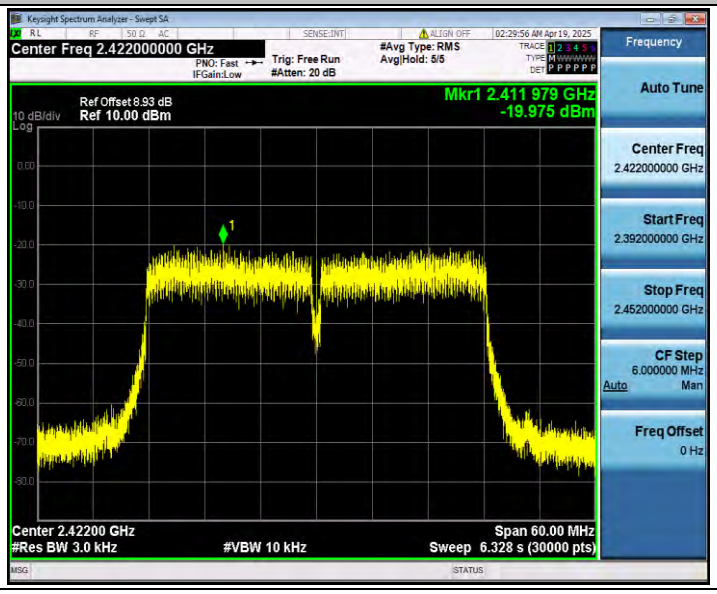
11N20SISO_Ant2_2437

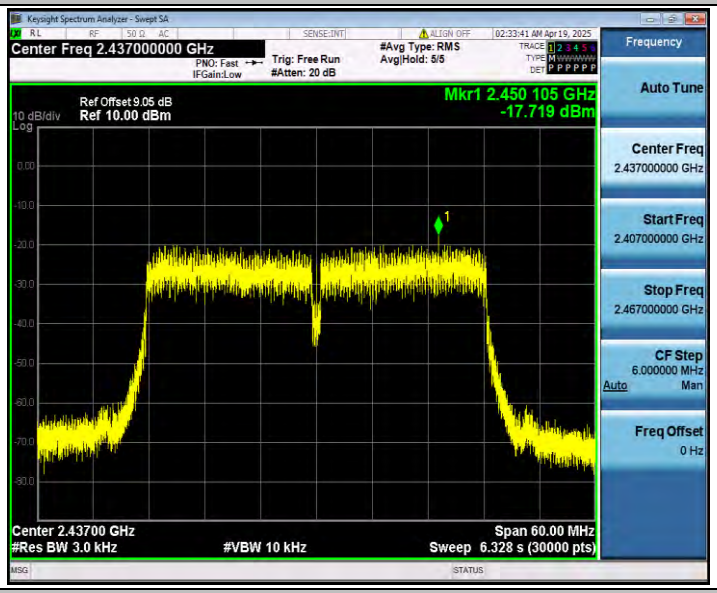


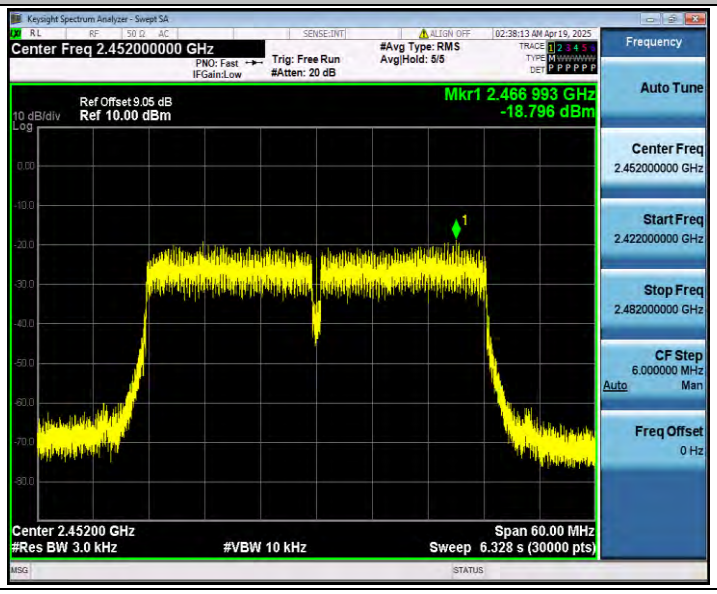
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437


11N40SISO_Ant2_2452


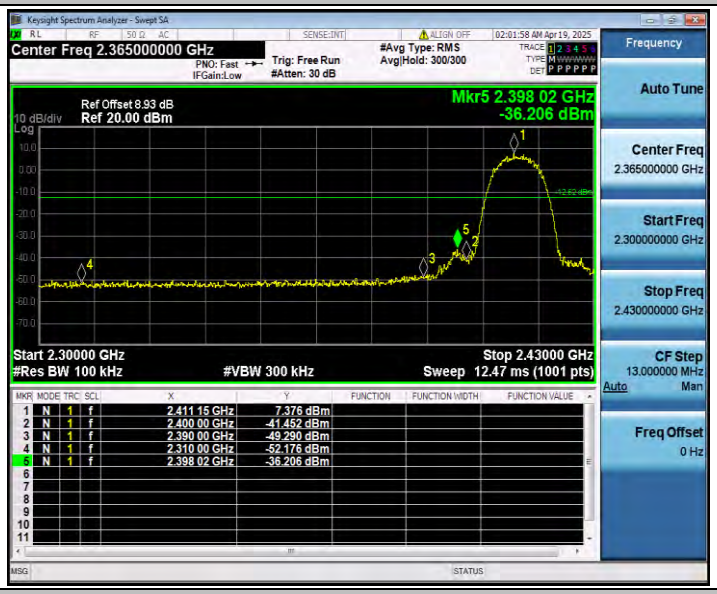
Appendix A.5: Band edge measurements

Test Result

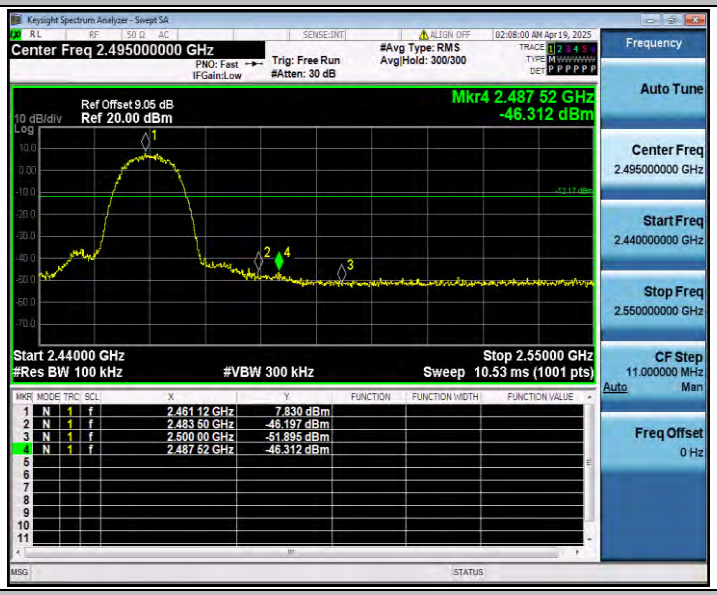
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	7.38	-36.21	≤-12.62	PASS
		High	2462	7.83	-46.31	≤-12.17	PASS
11G	Ant2	Low	2412	-1.86	-42.6	≤-21.86	PASS
		High	2462	-0.87	-48.98	≤-20.87	PASS
11N20SISO	Ant2	Low	2412	-1.76	-41.43	≤-21.76	PASS
		High	2462	-1.03	-47.52	≤-21.03	PASS
11N40SISO	Ant2	Low	2422	-5.99	-45.57	≤-25.99	PASS
		High	2452	-4.52	-47.69	≤-24.52	PASS

Test Graphs

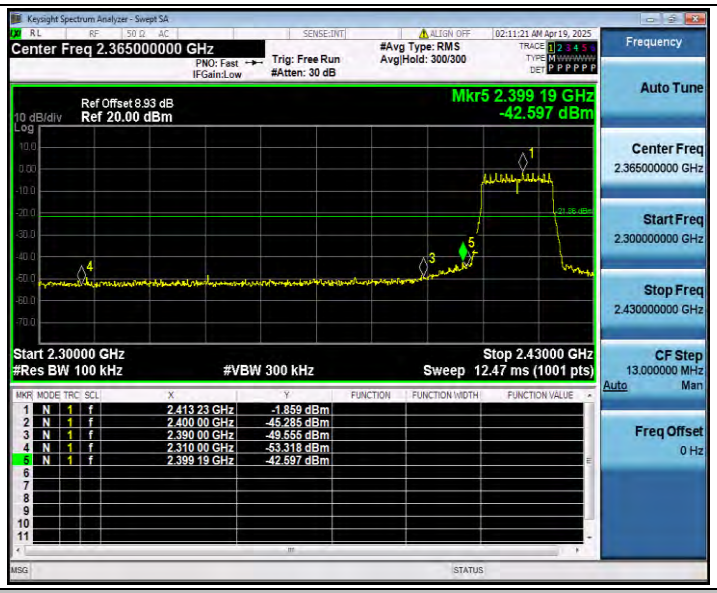
11B_Ant2_Low_2412



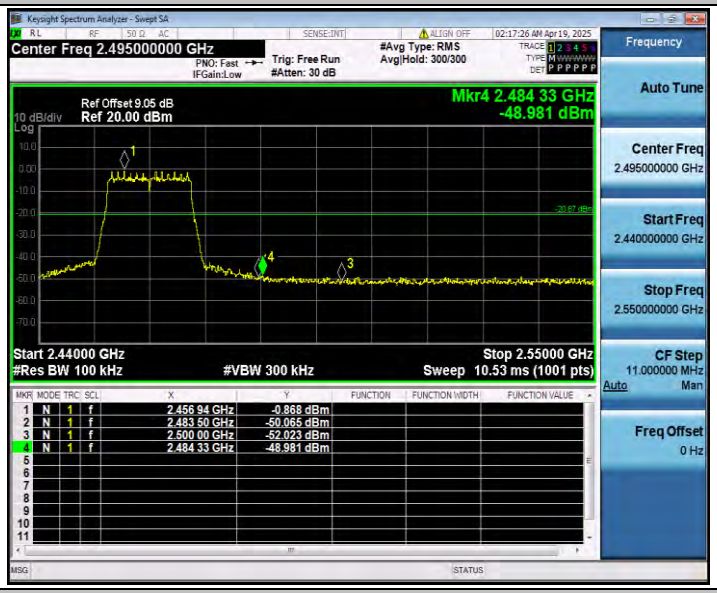
11B_Ant2_High_2462



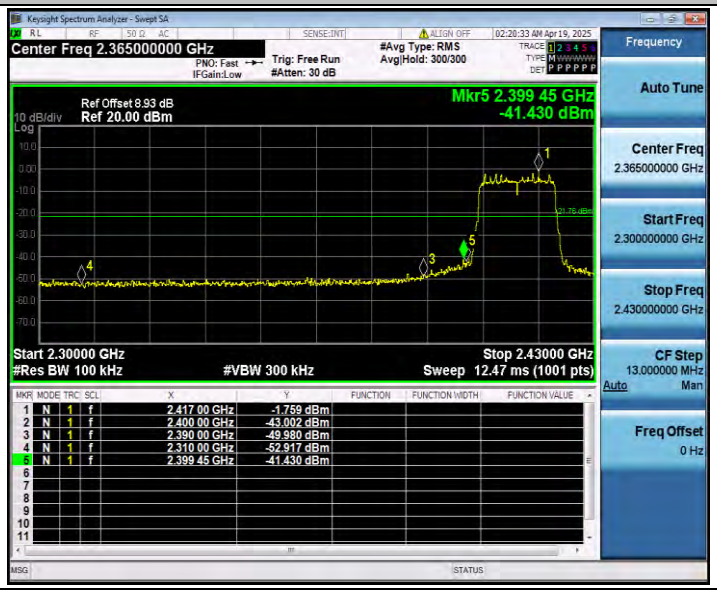
11G_Ant2_Low_2412



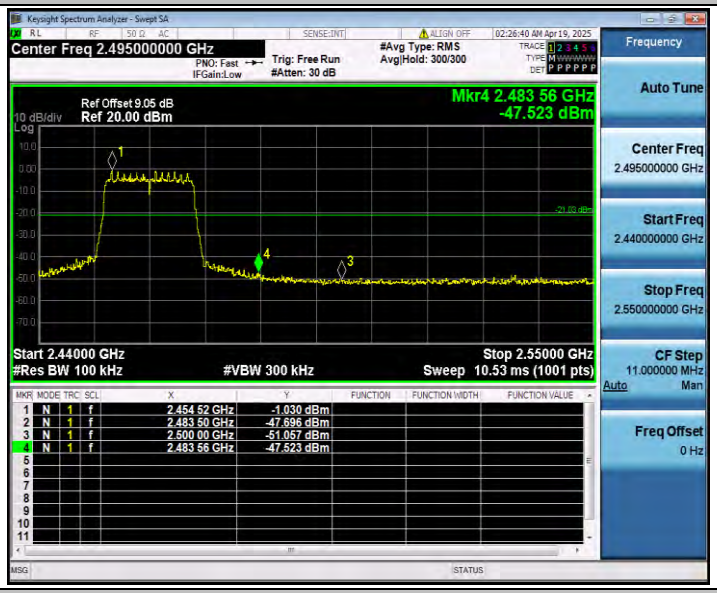
11G_Ant2_High_2462



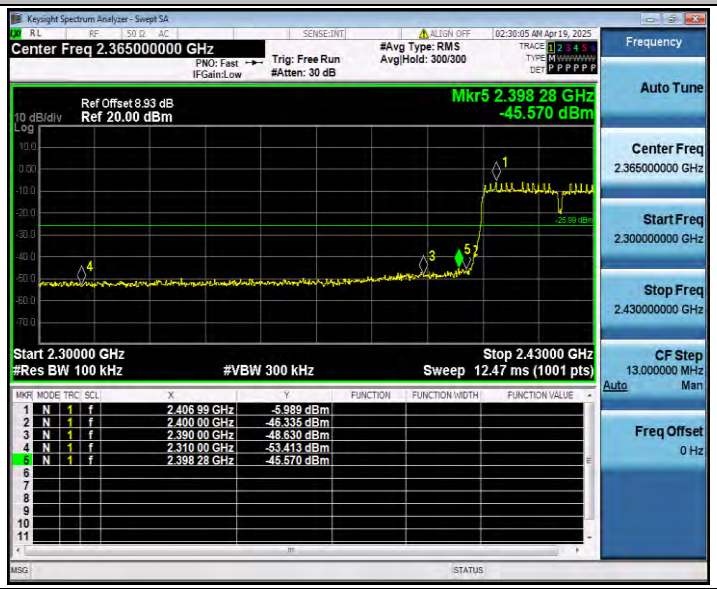
11N20SISO_Ant2_Low_2412



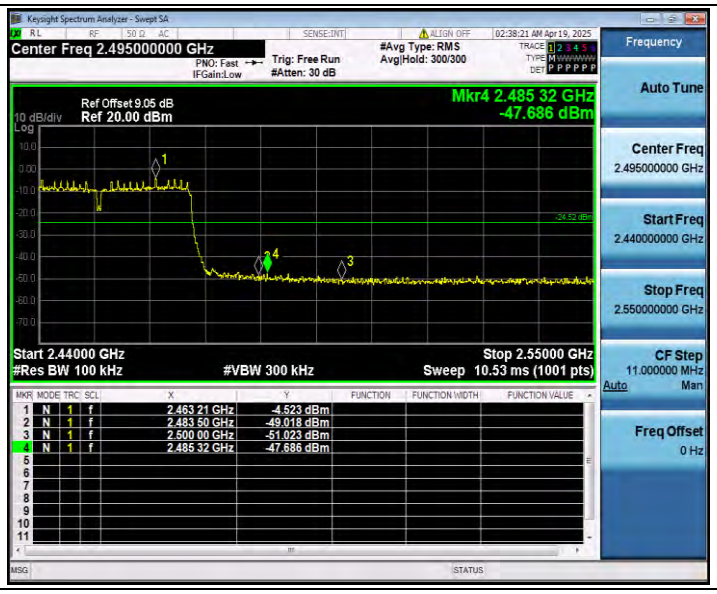
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_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
Log
Mkr4 2.485 32 GHz
-47.686 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 2.463 21 GHz -4.523 dBm
2 N 1 f 2.483 50 GHz -49.018 dBm
3 N 1 f 2.500 00 GHz -51.023 dBm
4 N 1 f 2.485 32 GHz -47.686 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 A.6: Conducted Spurious Emission

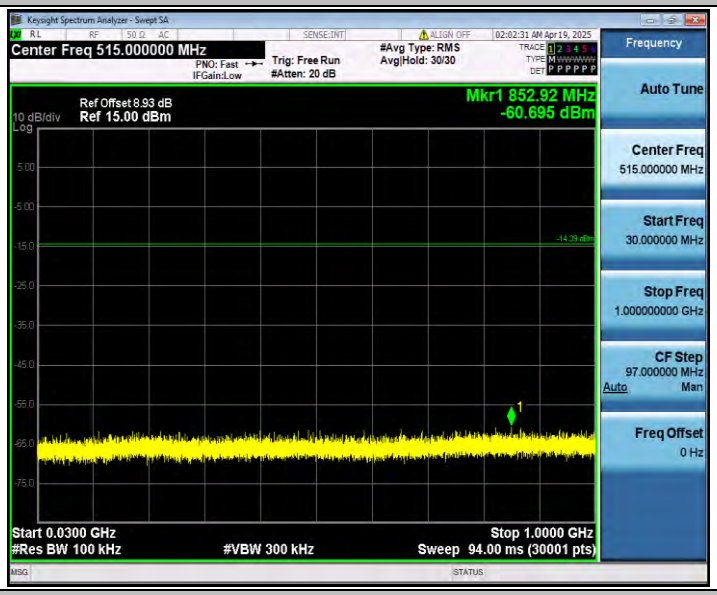
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	5.61	5.61	---	PASS
			30~1000	5.61	-60.7	≤-14.39	PASS
			1000~26500	5.61	-47.44	≤-14.39	PASS
		2437	Reference	6.67	6.67	---	PASS
			30~1000	6.67	-60.02	≤-13.33	PASS
			1000~26500	6.67	-47	≤-13.33	PASS
		2462	Reference	6.22	6.22	---	PASS
			30~1000	6.22	-59.97	≤-13.78	PASS
			1000~26500	6.22	-47.74	≤-13.78	PASS
11G	Ant2	2412	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-60.72	≤-22.7	PASS
			1000~26500	-2.70	-47.87	≤-22.7	PASS
		2437	Reference	-1.53	-1.53	---	PASS
			30~1000	-1.53	-60.89	≤-21.53	PASS
			1000~26500	-1.53	-47.63	≤-21.53	PASS
		2462	Reference	-1.65	-1.65	---	PASS
			30~1000	-1.65	-60.33	≤-21.65	PASS
			1000~26500	-1.65	-47.45	≤-21.65	PASS
11N20SISO	Ant2	2412	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-60.38	≤-25.45	PASS
			1000~26500	-5.45	-47.16	≤-25.45	PASS
		2437	Reference	-3.37	-3.37	---	PASS
			30~1000	-3.37	-59.73	≤-23.37	PASS
			1000~26500	-3.37	-47.9	≤-23.37	PASS
		2462	Reference	-4.68	-4.68	---	PASS
			30~1000	-4.68	-60.38	≤-24.68	PASS
			1000~26500	-4.68	-47.88	≤-24.68	PASS
11N40SISO	Ant2	2422	Reference	-6.81	-6.81	---	PASS
			30~1000	-6.81	-60.12	≤-26.81	PASS
			1000~26500	-6.81	-46.68	≤-26.81	PASS
		2437	Reference	-4.64	-4.64	---	PASS
			30~1000	-4.64	-60.38	≤-24.64	PASS
			1000~26500	-4.64	-47.65	≤-24.64	PASS
		2452	Reference	-5.03	-5.03	---	PASS
			30~1000	-5.03	-60.16	≤-25.03	PASS
			1000~26500	-5.03	-47.01	≤-25.03	PASS

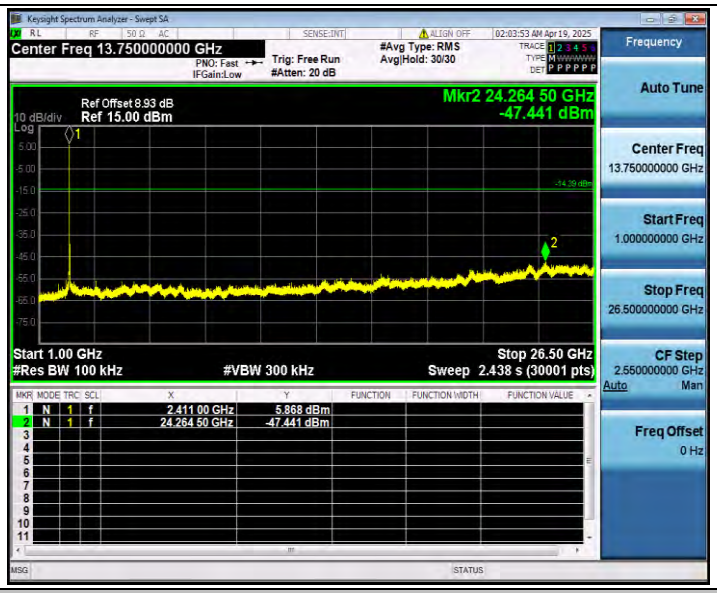
Test Graphs

11B_Ant2_2412_0~Reference

11B_Ant2_2412_30~1000

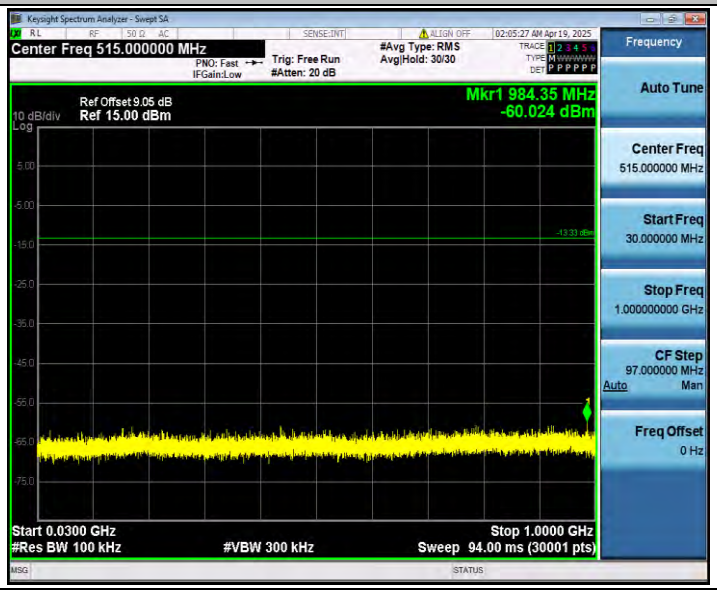


11B_Ant2_2412_1000~26500

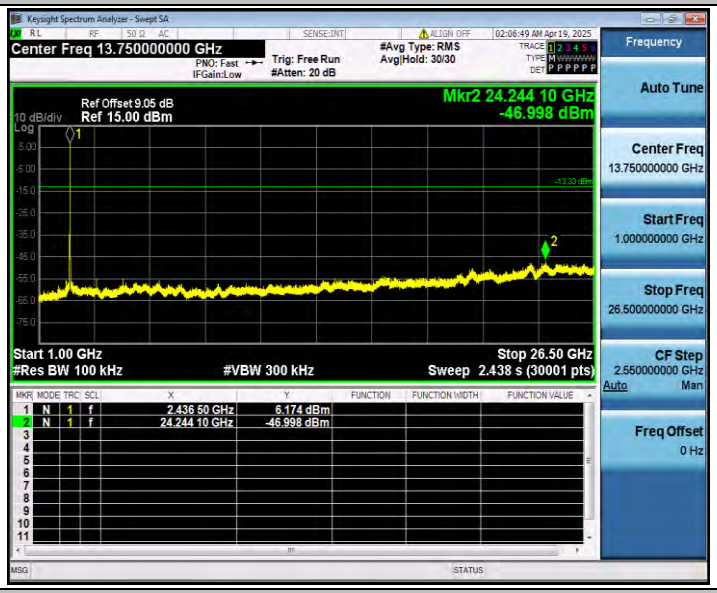


11B_Ant2_2437_0~Reference

11B_Ant2_2437_30~1000

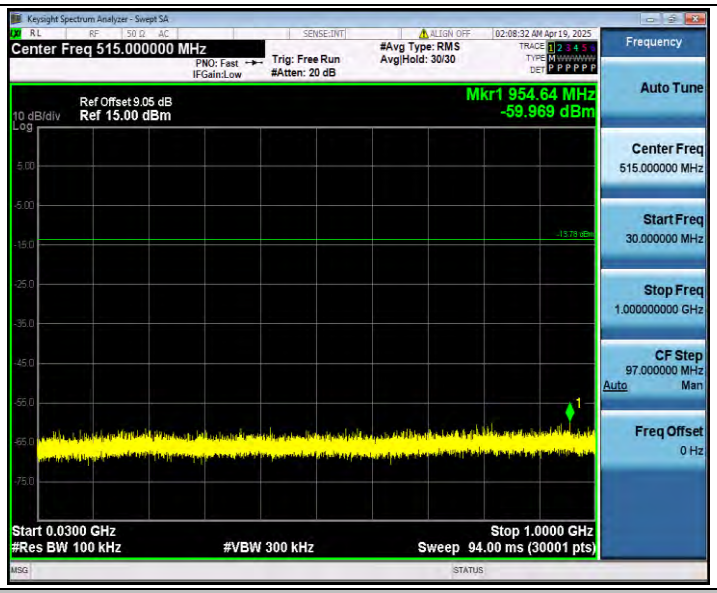


11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference

11B_Ant2_2462_30~1000



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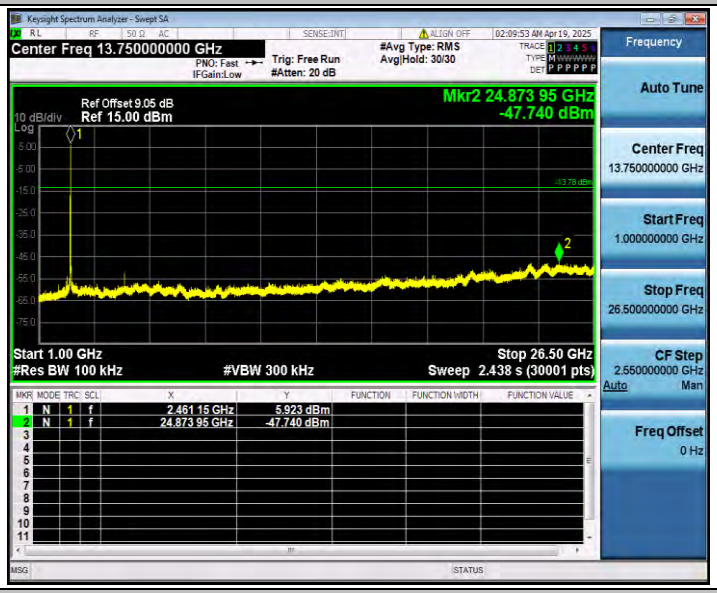
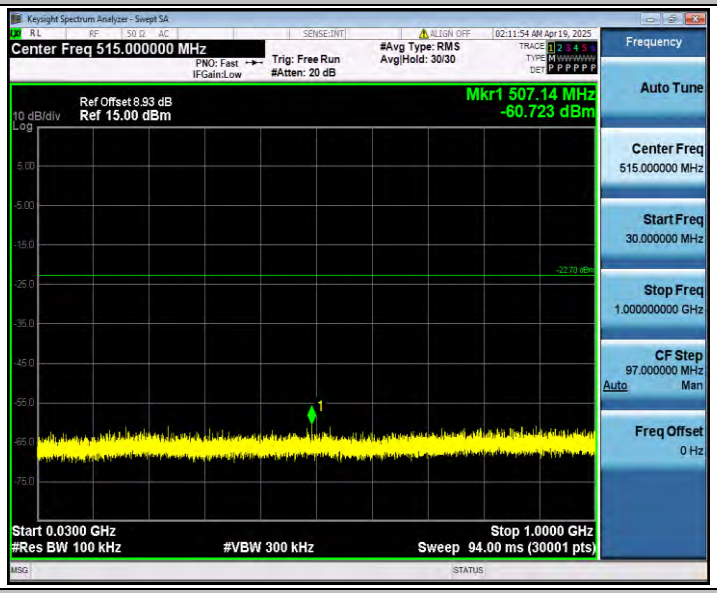


11G_Ant2_2412_0~Reference

11G_Ant2_2412_30~1000



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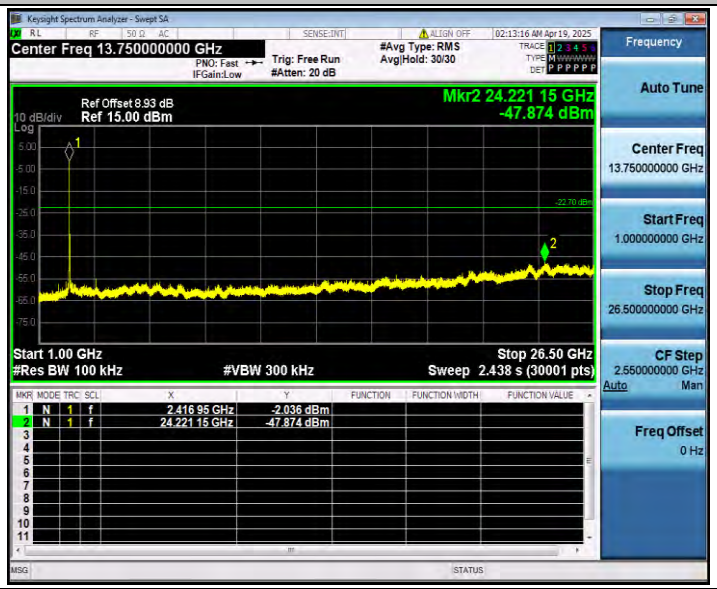

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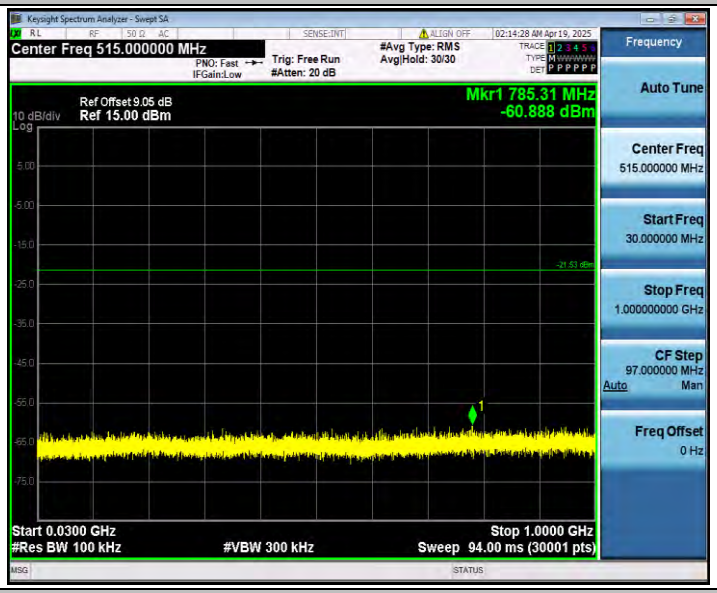
11G_Ant2_2437_30~1000



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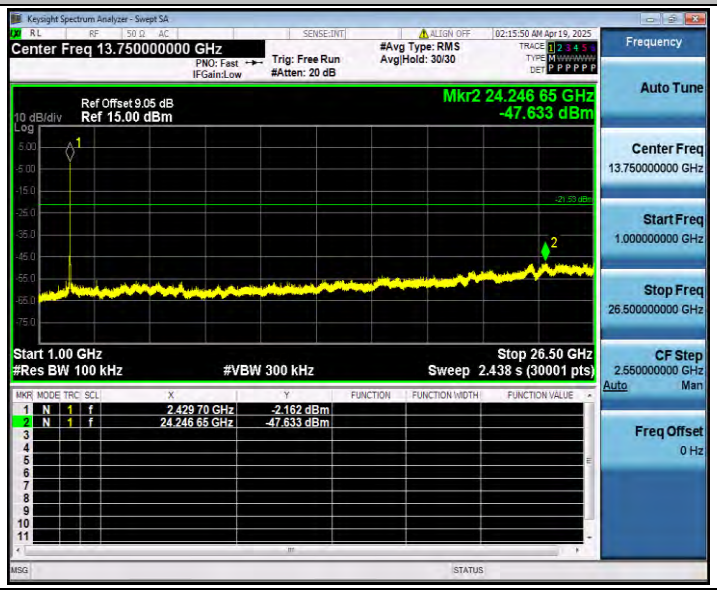

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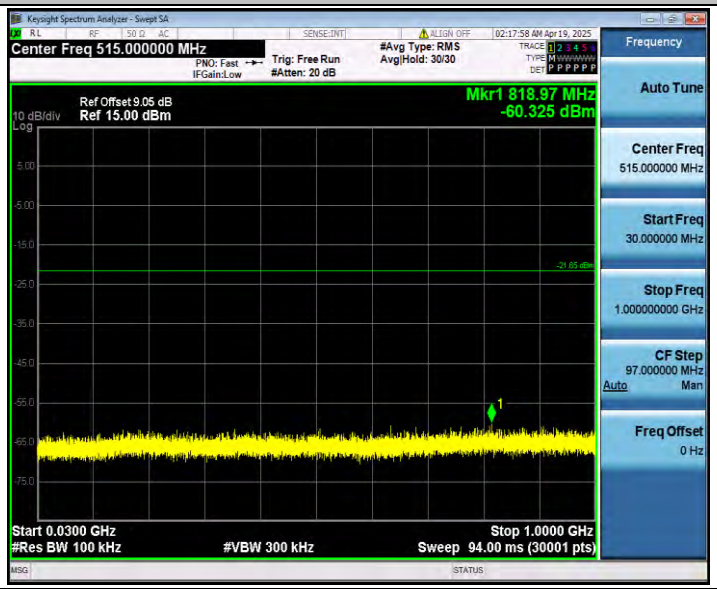

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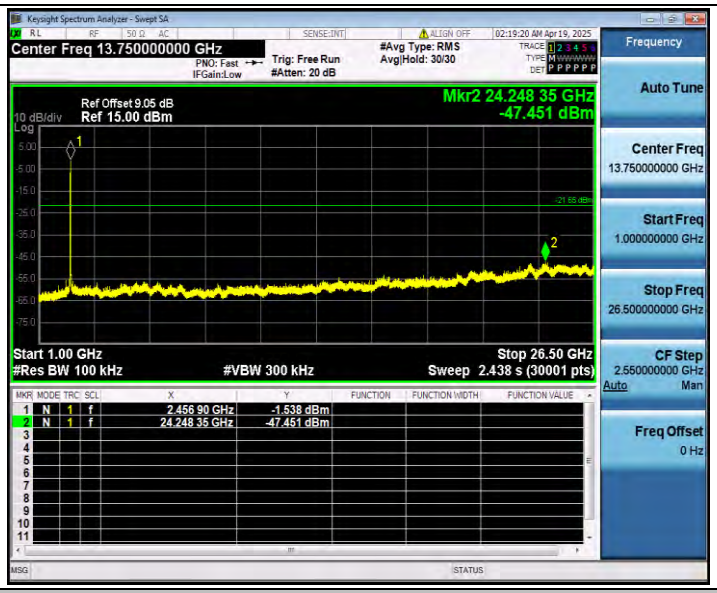
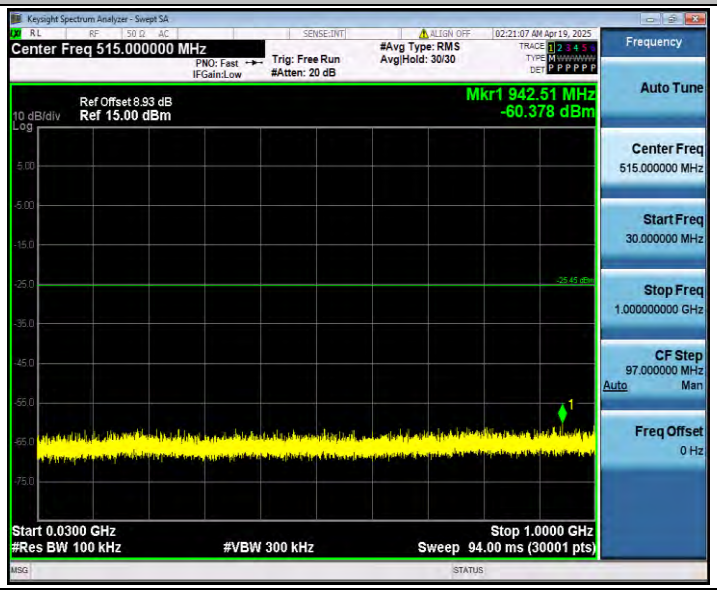
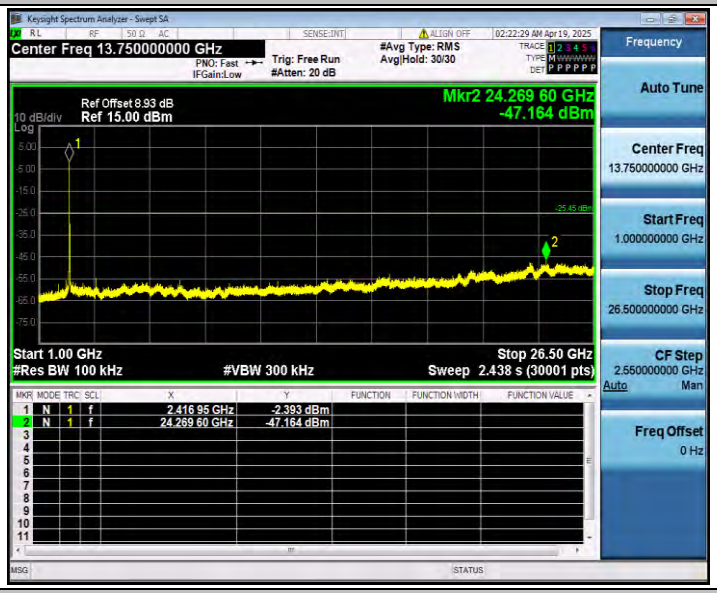


11N20SISO_Ant2_2412_0~Reference

11N20SISO_Ant2_2412_30~1000

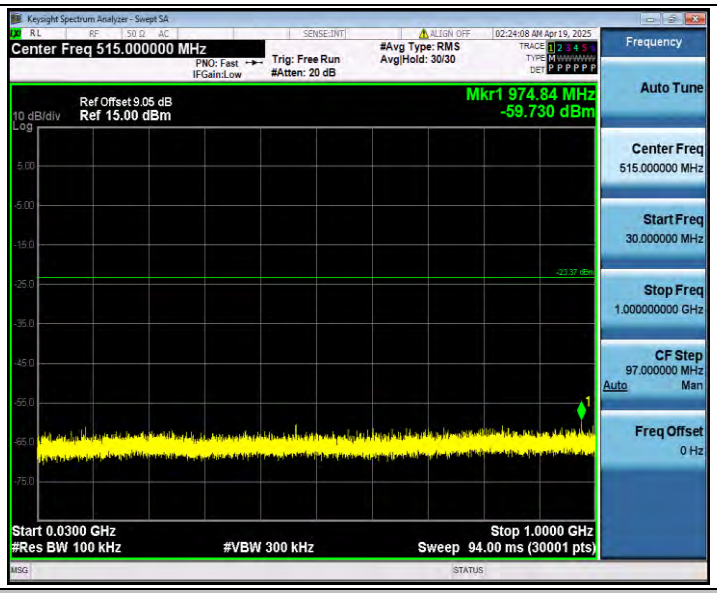


11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference

11N20SISO_Ant2_2437_30~1000



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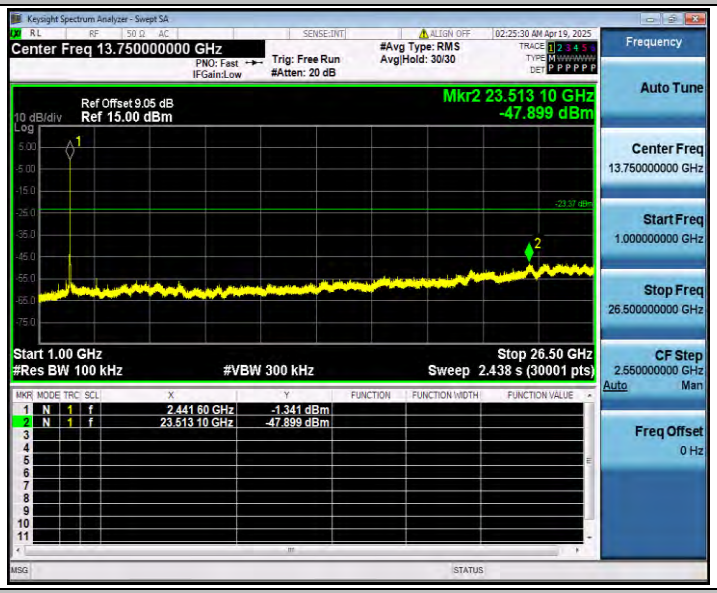

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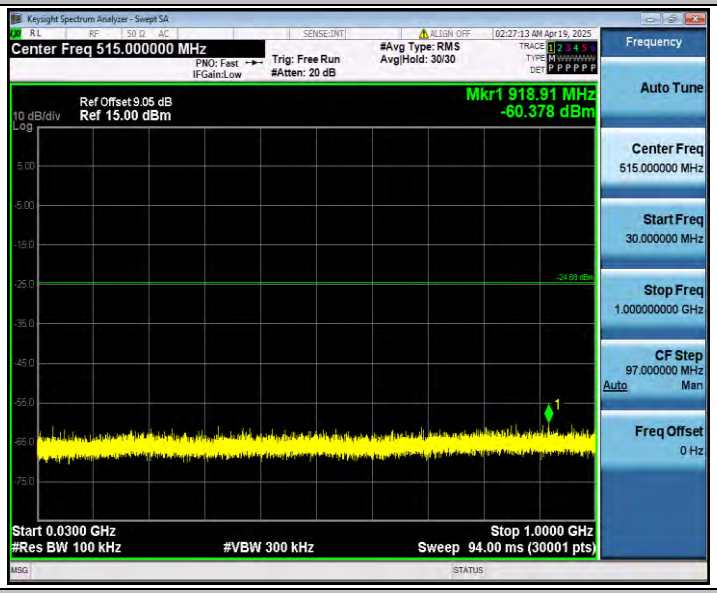
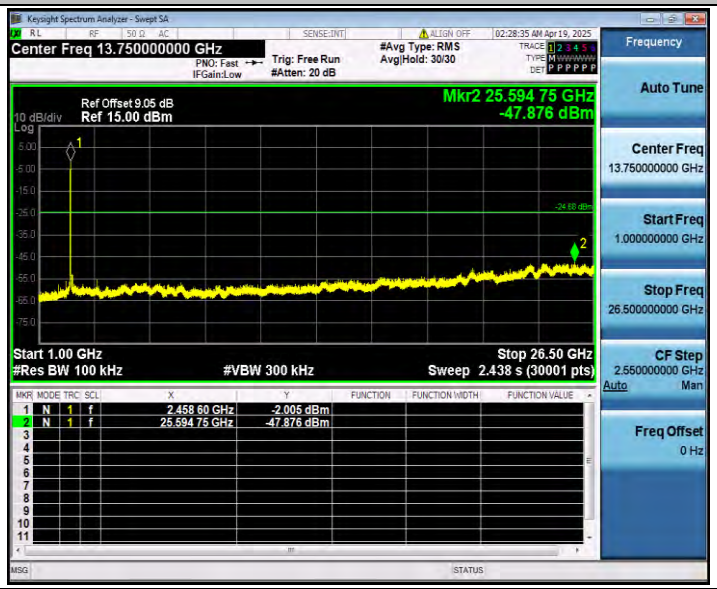
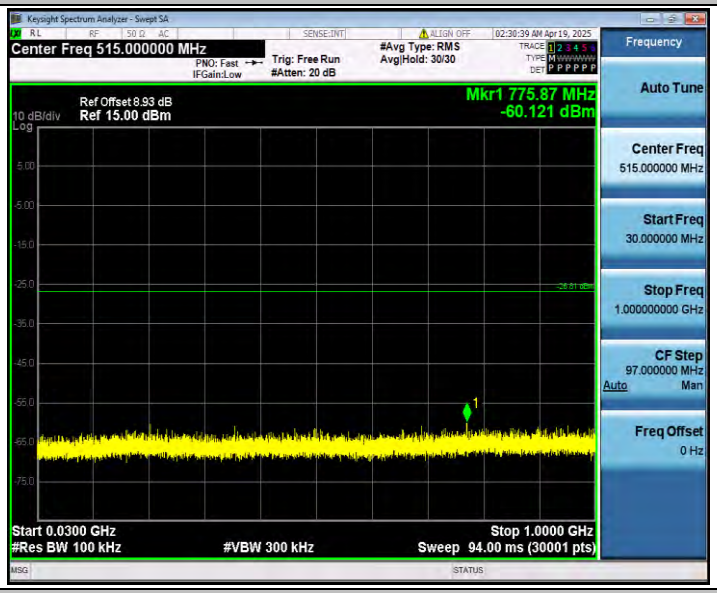


11N20SISO_Ant2_2462_1000~26500

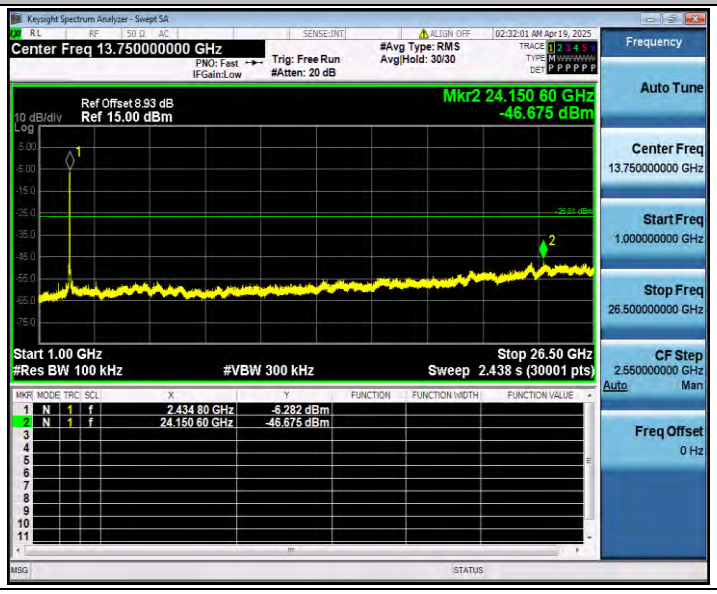


11N40SISO_Ant2_2422_0~Reference

11N40SISO_Ant2_2422_30~1000

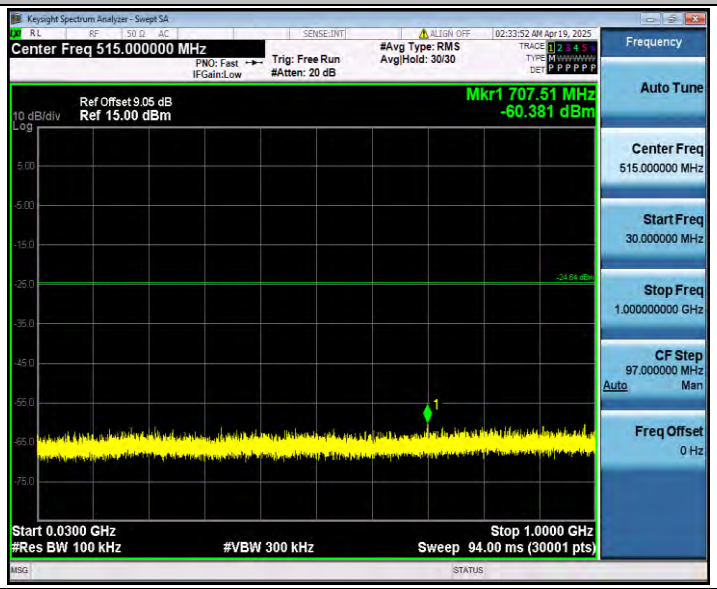


11N40SISO_Ant2_2422_1000~26500

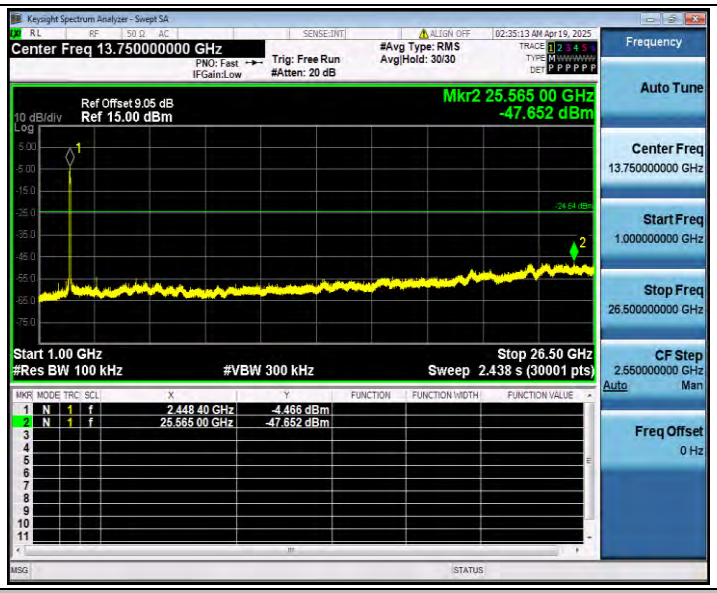


11N40SISO_Ant2_2437_0~Reference

11N40SISO_Ant2_2437_30~1000

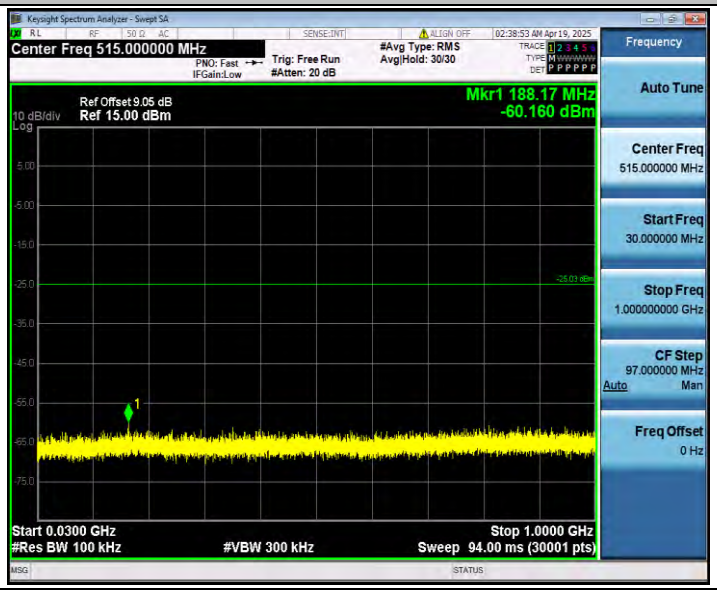
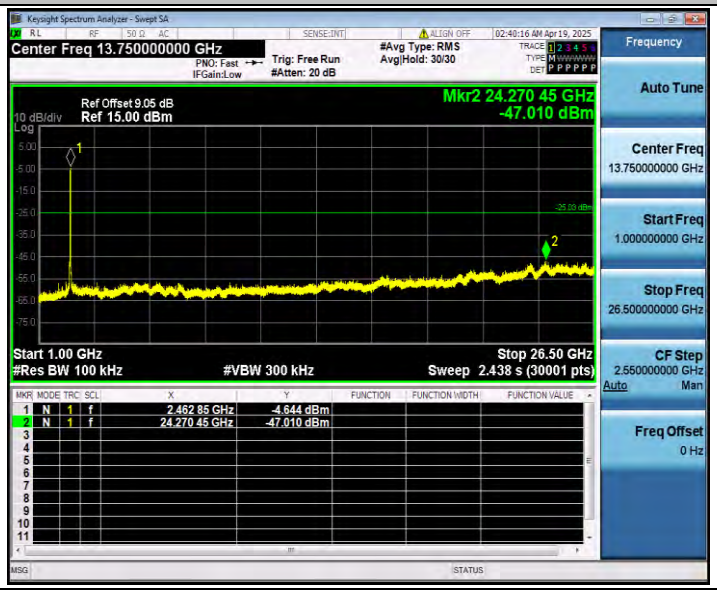


11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference

11N40SISO_Ant2_2452_30~1000



11N40SISO_Ant2_2452_1000~26500