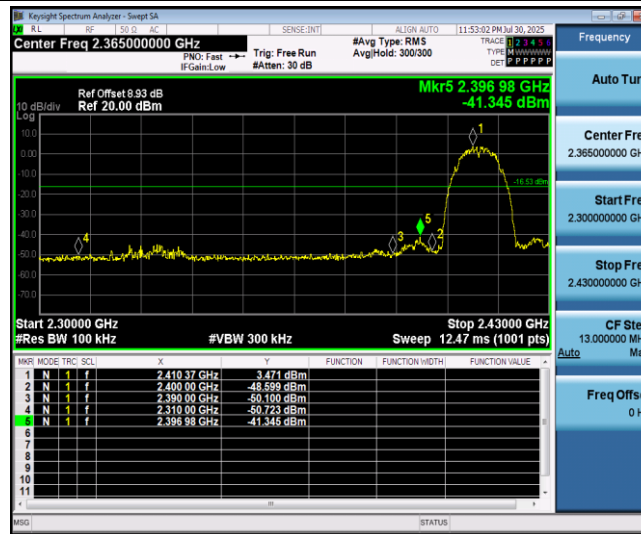
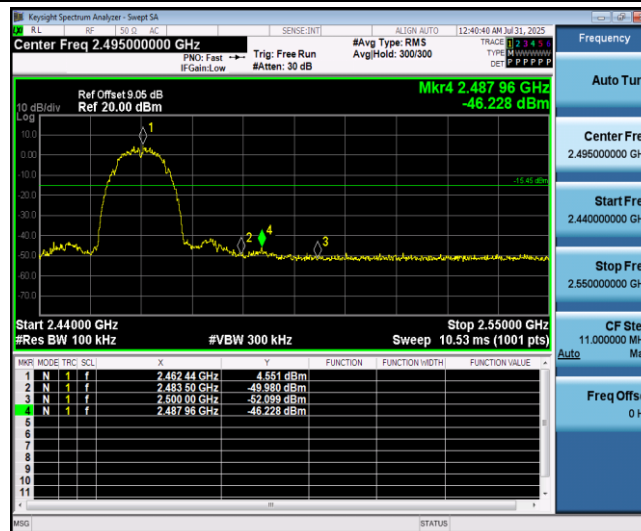


Test Graphs

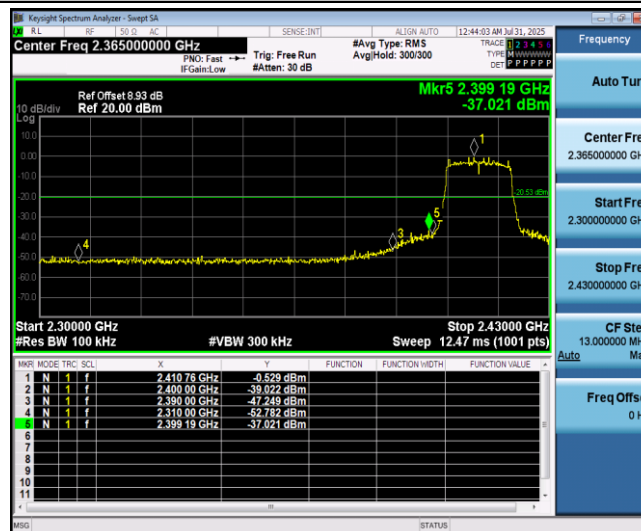
11B_Ant1_Low_2412



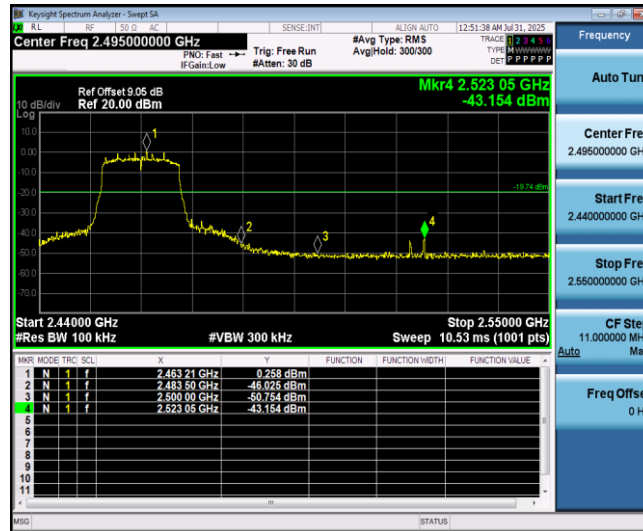
11B_Ant1_High_2462



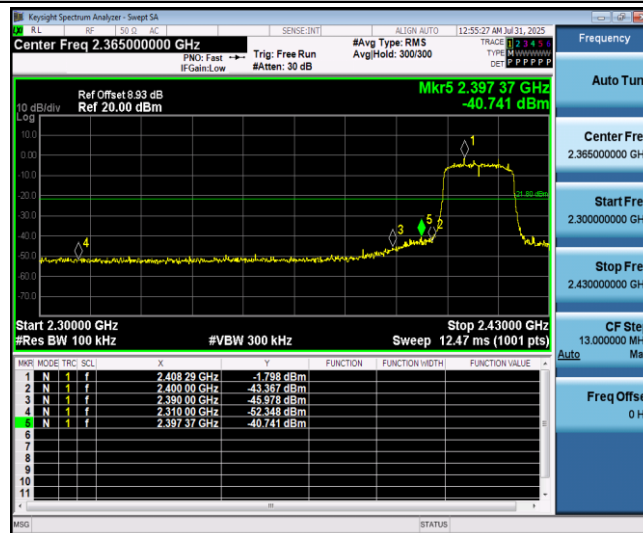
11G_Ant1_Low_2412



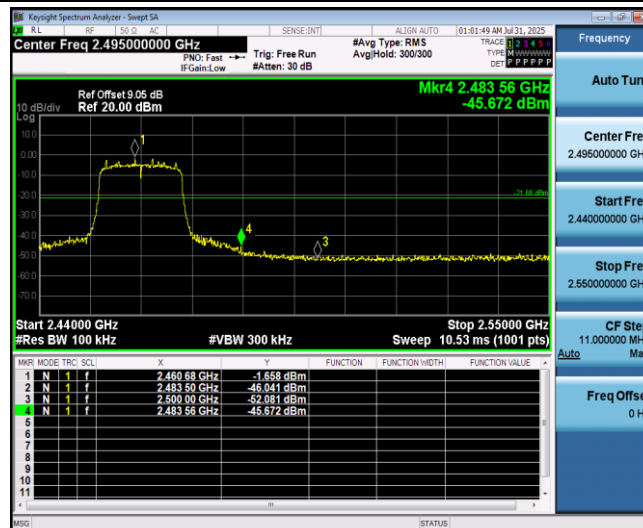
11G_Ant1_High_2462



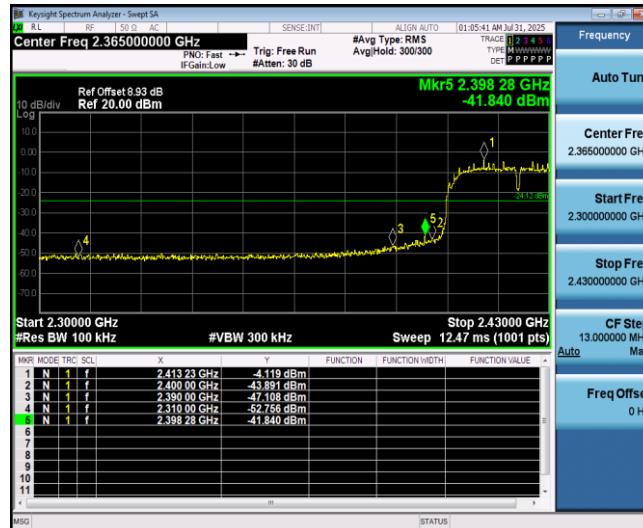
11N20SISO_Ant1_Low_2412



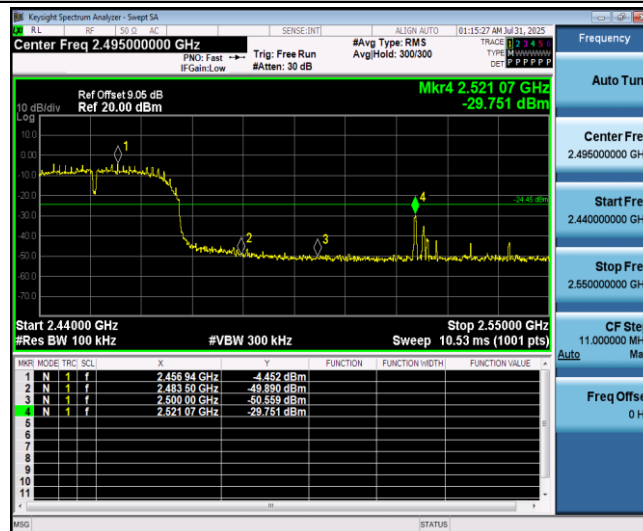
11N20SISO_Ant1_High_2462



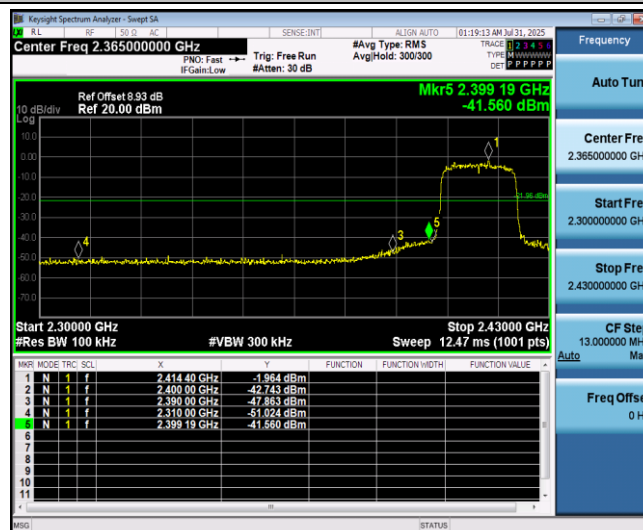
11N40SISO_Ant1_Low_2422

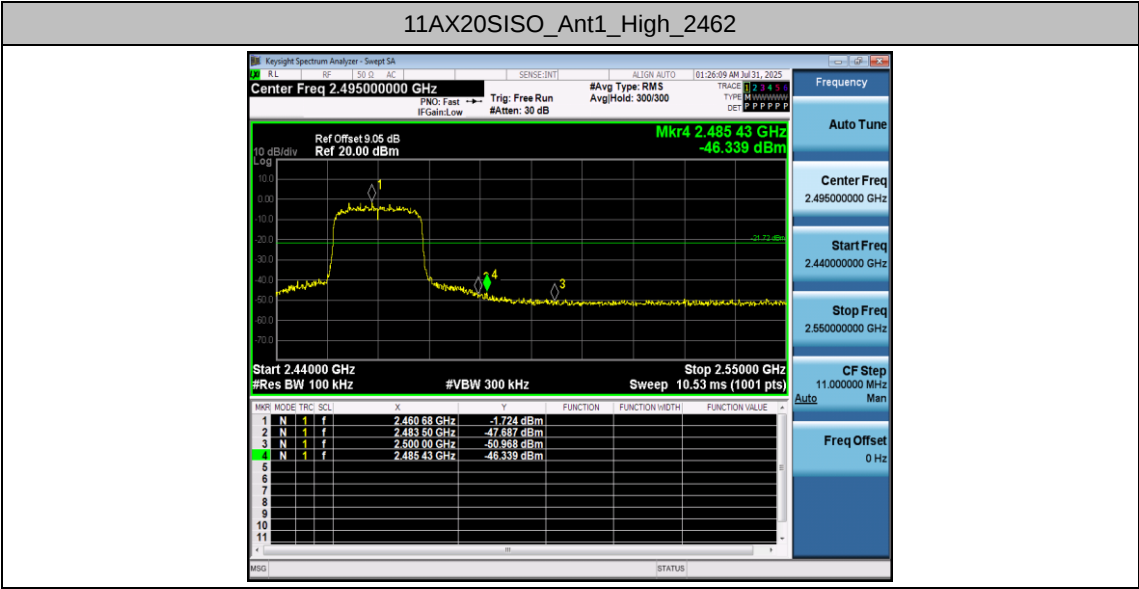


11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412





Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.74	2.74	---	PASS
			30~1000	2.74	-60.59	≤-17.26	PASS
			1000~26500	2.74	-47.21	≤-17.26	PASS
		2437	Reference	1.81	1.81	---	PASS
			30~1000	1.81	-60.27	≤-18.19	PASS
			1000~26500	1.81	-46.14	≤-18.19	PASS
		2462	Reference	1.54	1.54	---	PASS
			30~1000	1.54	-59.85	≤-18.46	PASS
			1000~26500	1.54	-46.63	≤-18.46	PASS
11G	Ant1	2412	Reference	-3.21	-3.21	---	PASS
			30~1000	-3.21	-60.4	≤-23.21	PASS
			1000~26500	-3.21	-47.91	≤-23.21	PASS
		2437	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-60.38	≤-23.49	PASS
			1000~26500	-3.49	-38.25	≤-23.49	PASS
		2462	Reference	-3.53	-3.53	---	PASS
			30~1000	-3.53	-59.91	≤-23.53	PASS
			1000~26500	-3.53	-46.85	≤-23.53	PASS
11N20SISO	Ant1	2412	Reference	-1.70	-1.70	---	PASS
			30~1000	-1.70	-60.13	≤-21.7	PASS
			1000~26500	-1.70	-43.44	≤-21.7	PASS
		2437	Reference	-5.52	-5.52	---	PASS
			30~1000	-5.52	-60.08	≤-25.52	PASS
			1000~26500	-5.52	-47.72	≤-25.52	PASS
		2462	Reference	-3.90	-3.90	---	PASS
			30~1000	-3.90	-60.11	≤-23.9	PASS
			1000~26500	-3.90	-46.41	≤-23.9	PASS
11N40SISO	Ant1	2422	Reference	-5.79	-5.79	---	PASS
			30~1000	-5.79	-60.54	≤-25.79	PASS
			1000~26500	-5.79	-48.12	≤-25.79	PASS
		2437	Reference	-6.37	-6.37	---	PASS
			30~1000	-6.37	-58.12	≤-26.37	PASS
			1000~26500	-6.37	-34.25	≤-26.37	PASS
		2452	Reference	-7.36	-7.36	---	PASS
			30~1000	-7.36	-60.28	≤-27.36	PASS
			1000~26500	-7.36	-47.84	≤-27.36	PASS

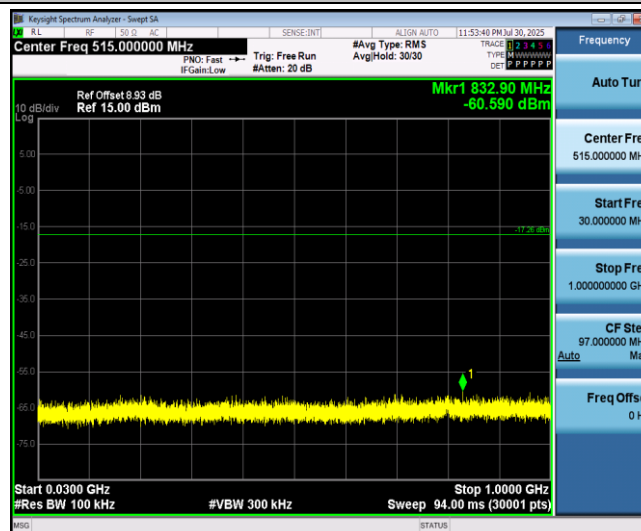
11AX20SISO	Ant1	2412	Reference	-4.67	-4.67	---	PASS
			30~1000	-4.67	-60.47	≤ -24.67	PASS
			1000~26500	-4.67	-46.84	≤ -24.67	PASS
		2437	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-60.3	≤ -24.39	PASS
			1000~26500	-4.39	-47.64	≤ -24.39	PASS
		2462	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-60.43	≤ -24.36	PASS
			1000~26500	-4.36	-27.77	≤ -24.36	PASS

Test Graphs

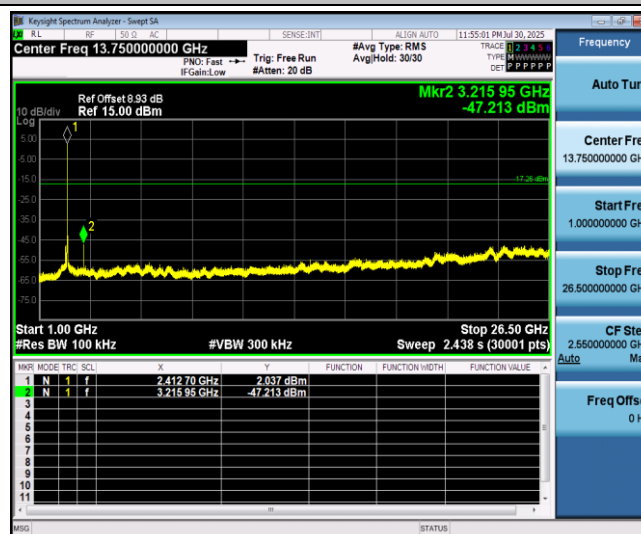
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



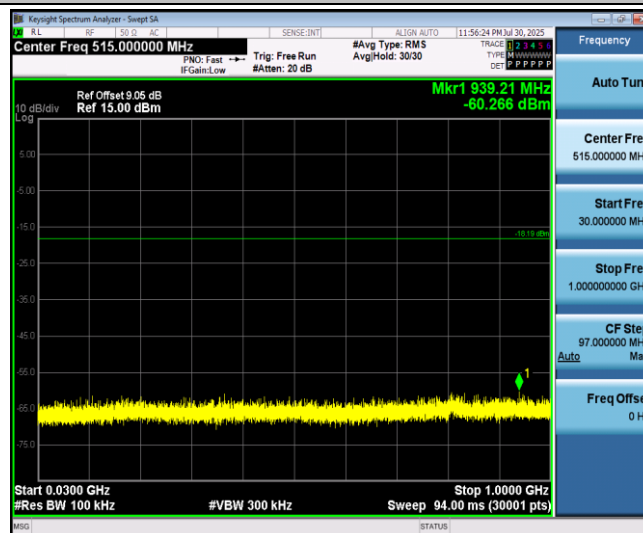
11B_Ant1_2412_1000~26500



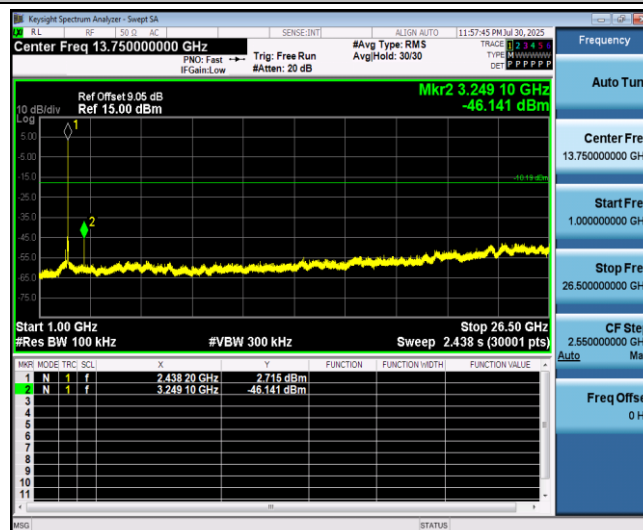
11B_Ant1_2437_0~Reference



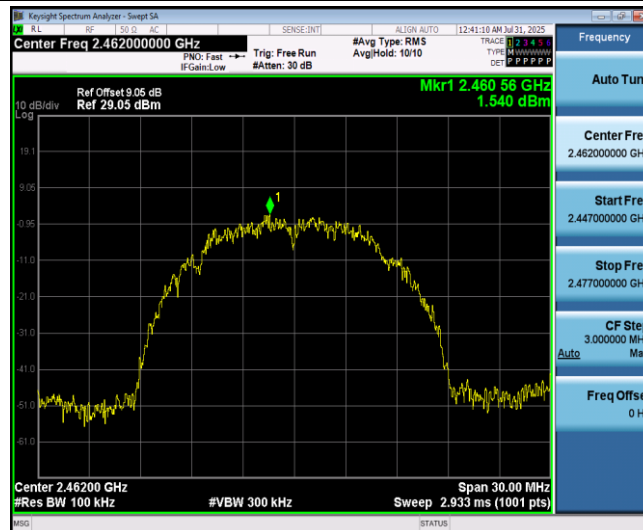
11B_Ant1_2437_30-1000



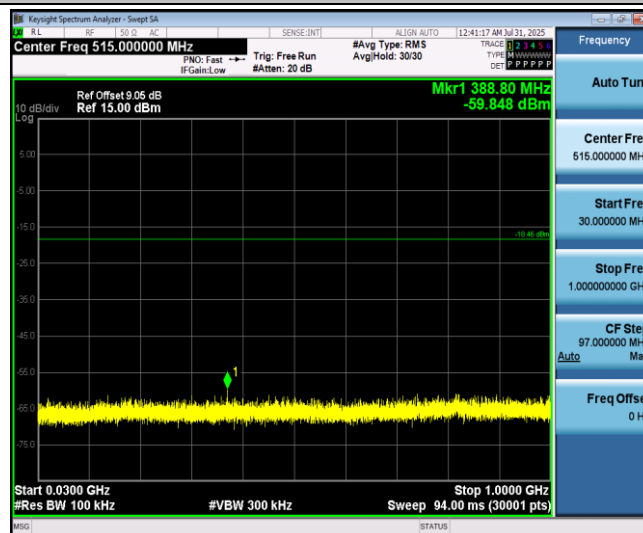
11B_Ant1_2437_1000-26500



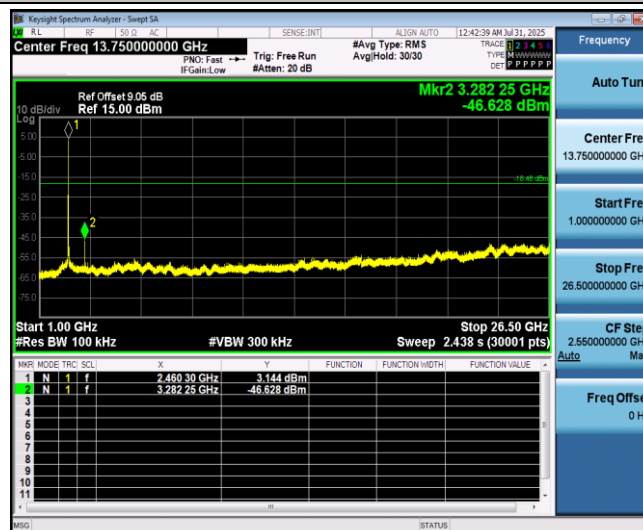
11B_Ant1_2462_0-Reference



11B_Ant1_2462_30-1000



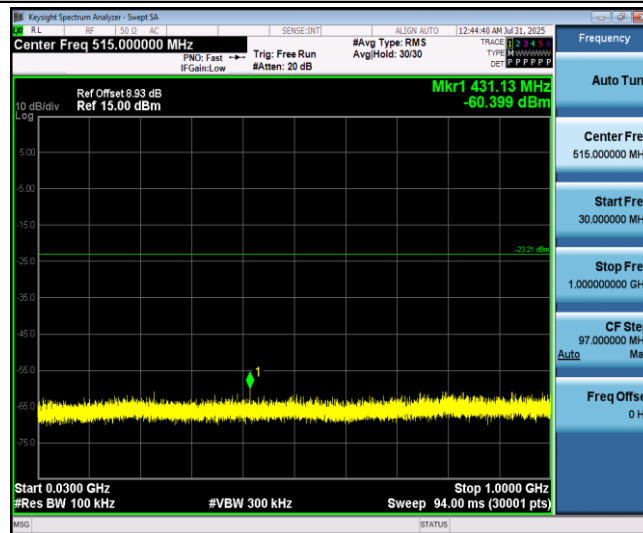
11B_Ant1_2462_1000-26500



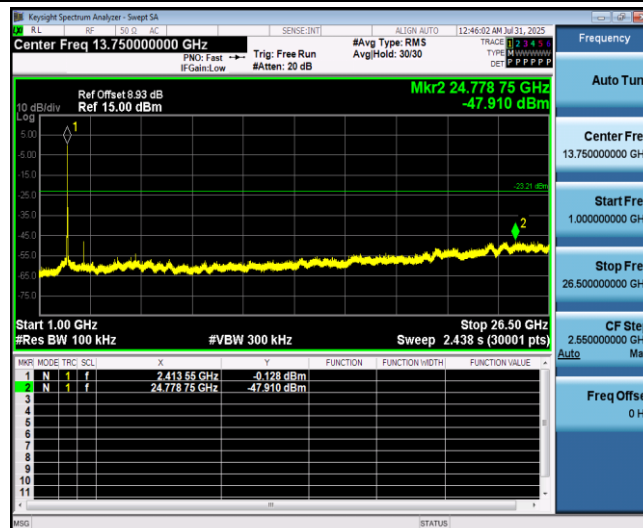
11G_Ant1_2412_0-Reference



11G_Ant1_2412_30-1000



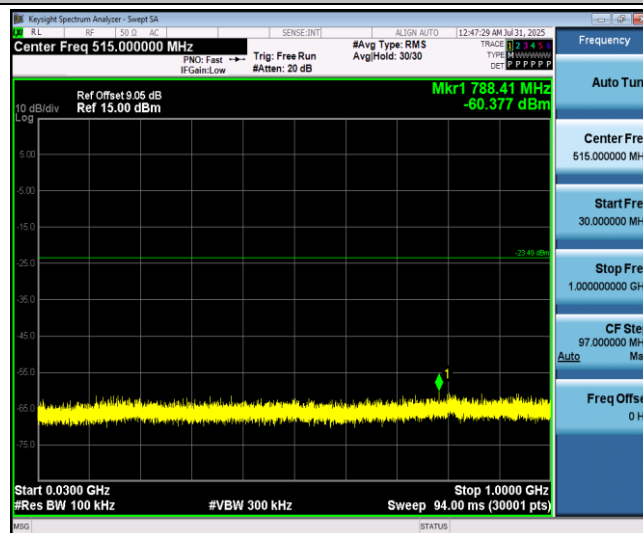
11G_Ant1_2412_1000-26500



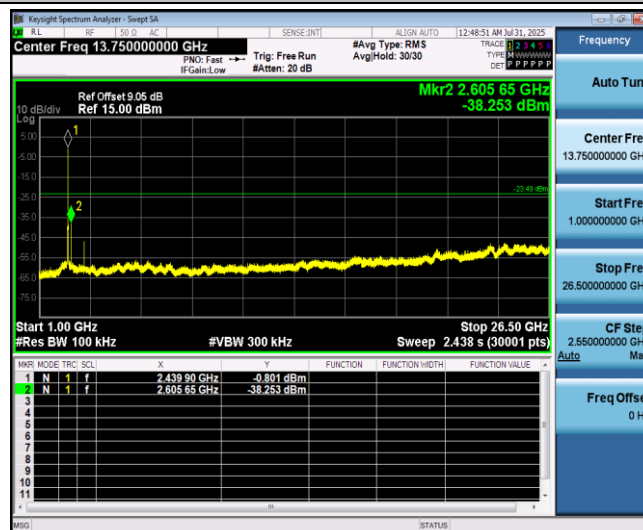
11G_Ant1_2437_0-Reference



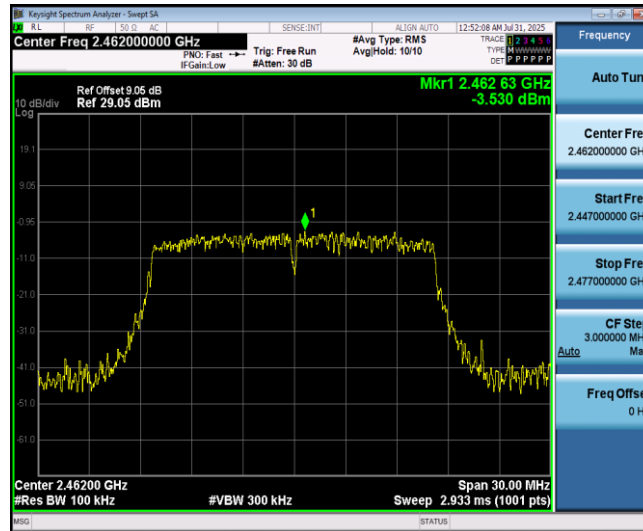
11G_Ant1_2437_30-1000



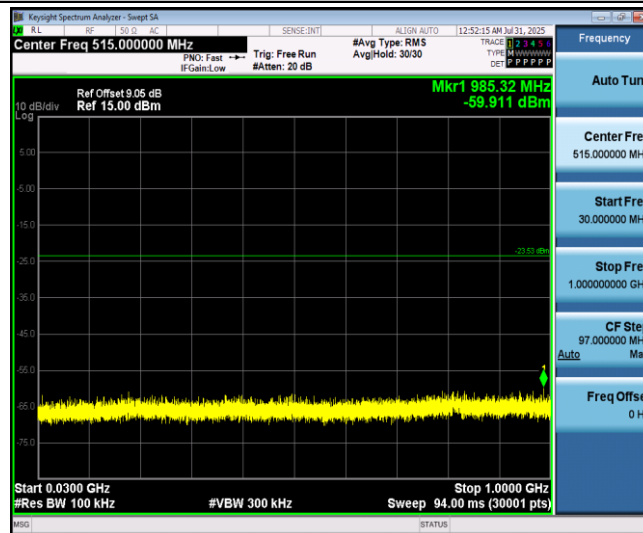
11G_Ant1_2437_1000-26500



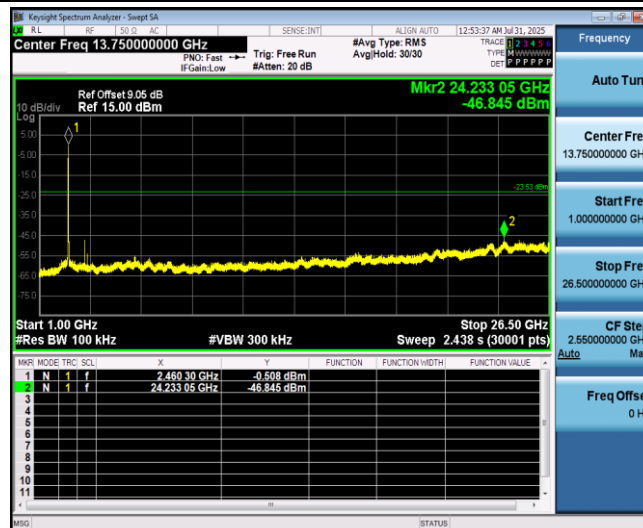
11G_Ant1_2462_0-Reference



11G_Ant1_2462_30-1000



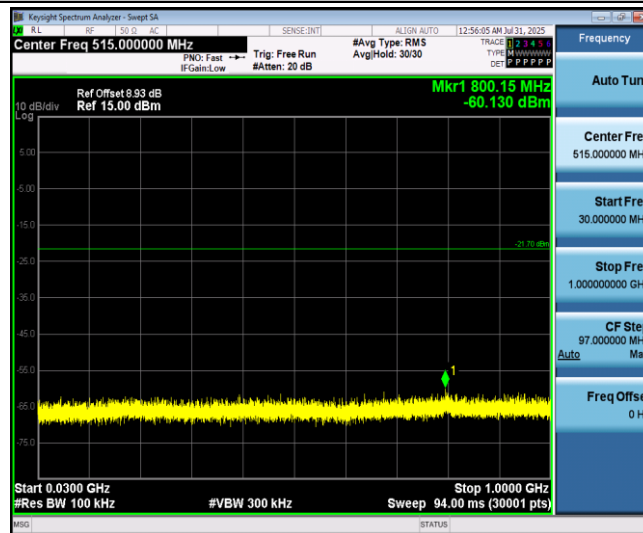
11G_Ant1_2462_1000-26500



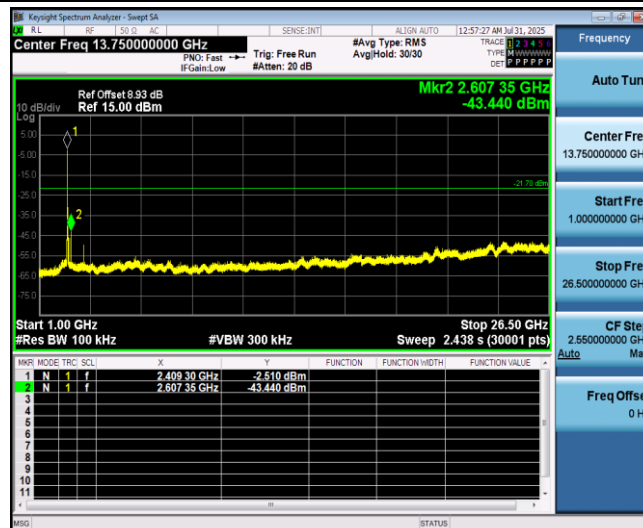
11N20SISO_Ant1_2412_0-Reference



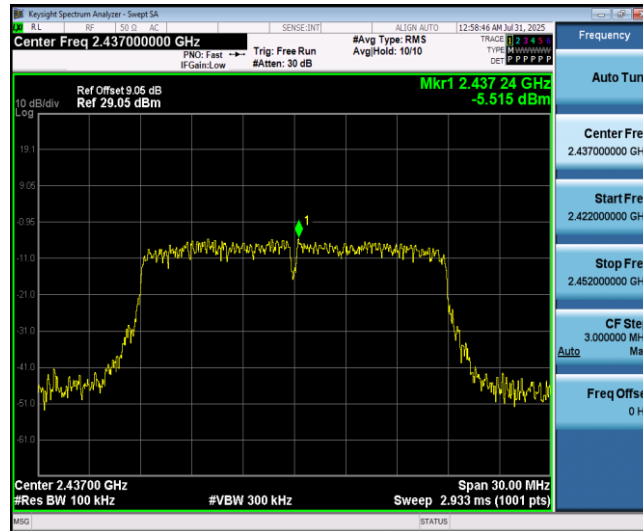
11N20SISO_Ant1_2412_30~1000



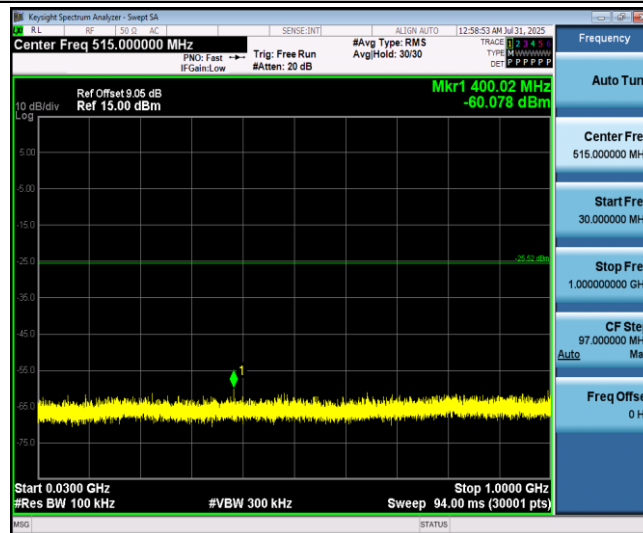
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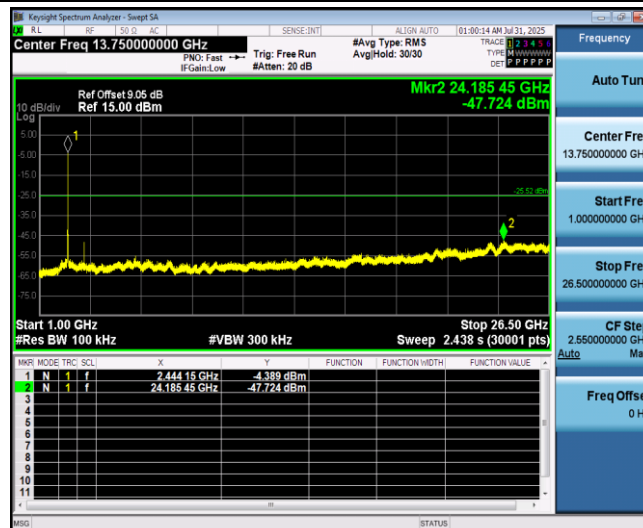
11N20SISO_Ant1_2437_0~Reference



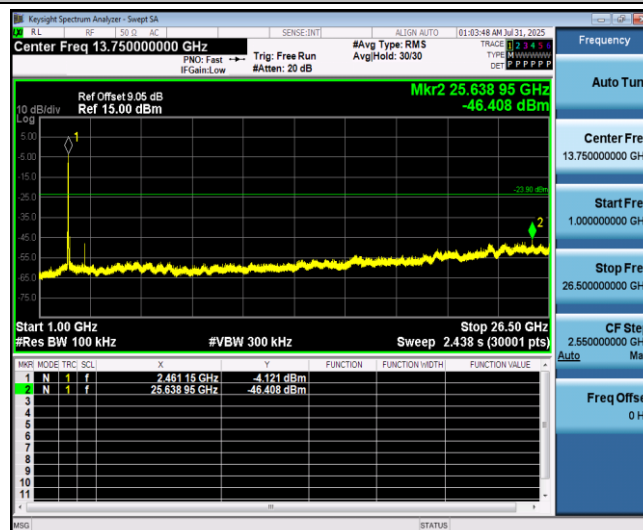
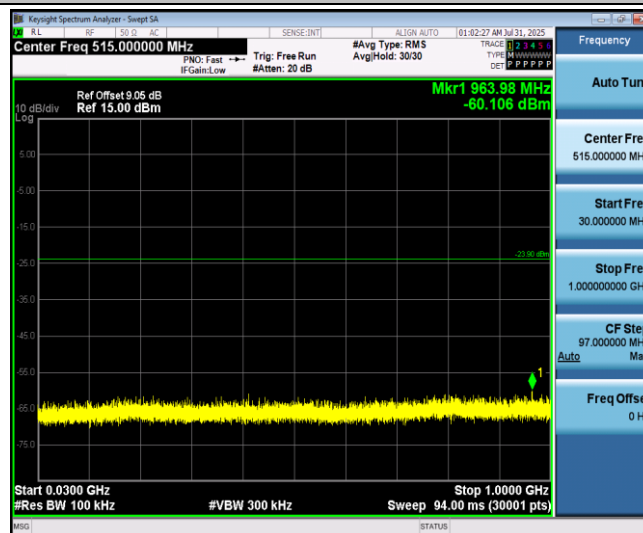
11N20SISO_Ant1_2437_30~1000

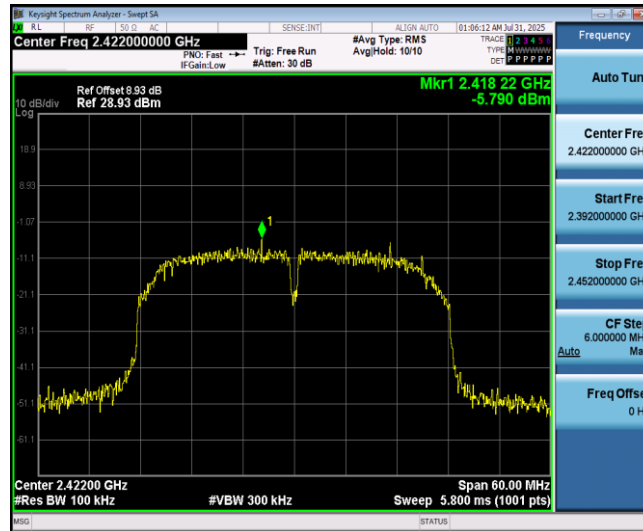


11N20SISO_Ant1_2437_1000~26500

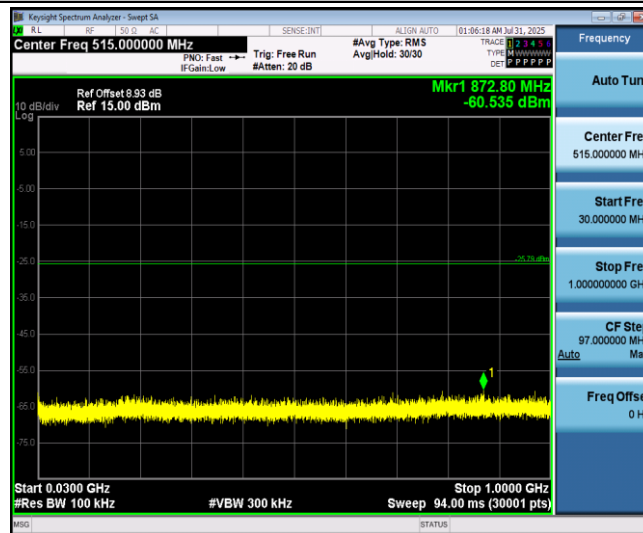


11N20SISO_Ant1_2462_0~Reference

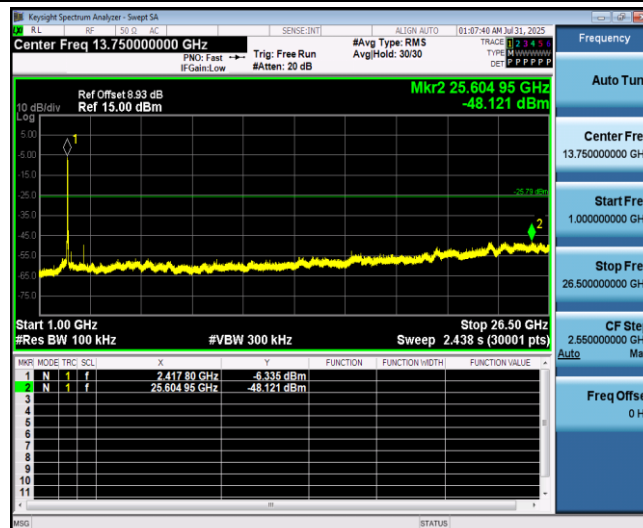




11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference

Keysight Spectrum Analyzer - Sweep SA

AL: ML BS: I 50.0 AC: SENSE: INT1 ALIGN: AUTO 01:12:20 AM Jul 31, 2025

Center Freq 515.000000 MHz PNO: Fast Trig: Free Run #Avg Type: RMS TRACE: 1 2 3 4 5 6
IF Gain: Low #Atten: 20 dB Avg/Hold: 30/30 TYPE: M www.keysight.com DET: P P P P P P

Ref Offset 9.06 dB Mkr1 30.00 MHz
Ref 15.00 dBm -58.119 dBm

10 dB/div Log

Start 0.0300 GHz Stop 1.0000 GHz
#Res BW 100 kHz #VBW 300 kHz Sweep 94.00 ms (30001 pts)

Frequency

Auto Tune

Center Freq
515.000000 MHz

Start Freq
30.000000 MHz

Stop Freq
1.000000000 GHz

CF Step
97.000000 MHz
Auto Man

Freq Offset
0 Hz

The screenshot displays a Keysight Spectrum Analyzer interface. The main plot shows a frequency spectrum with a prominent peak at 2.59460 GHz, labeled 'Mkr2 2.594 60 GHz -34.251 dBm'. The y-axis represents power in dBm, ranging from -75 to 10. The x-axis represents frequency in GHz, ranging from 1.00 to 26.50. A yellow trace shows the signal, and a green line indicates the noise floor at -130 dBm.

Key parameters displayed include:

- Center Freq: 13.750000000 GHz
- Ref Offset: 9.05 dB
- Ref: 15.00 dBm
- IF Gain: Low
- Trig: Free Run
- #Atten: 20 dB
- #Avg Type: RMS
- Avg/Hold: 30/30
- Trace 1: 2.594 GHz
- Type: M
- DET: P P P P P

Measurement results are shown in a table below the plot:

N	Mode	Trc	Scal	F	F	FUNCTION	FUNCTION VALUE	FUNCTION VALUE
1	N	1	f	2.433 10 GHz	-6.770 dBm			
2	N	1	f	2.594 60 GHz	-34.251 dBm			

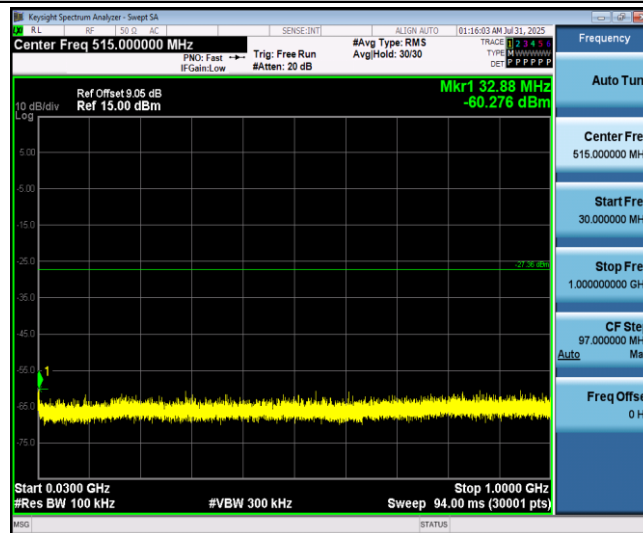
Additional settings and controls visible on the right side include:

- Auto Tune
- Center Freq: 13.750000000 GHz
- Start Freq: 1.000000000 GHz
- Stop Freq: 26.500000000 GHz
- CF Step: 2.550000000 GHz
- Auto
- Man
- Freq Offset: 0 Hz

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11N40SISO_Ant1_2452_30~1000



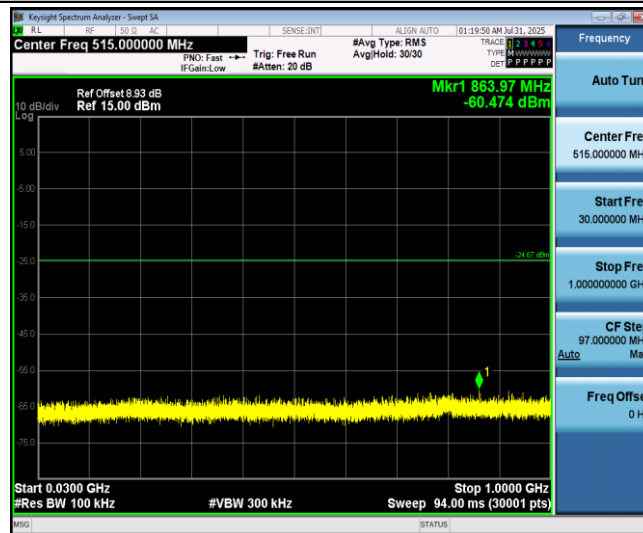
11N40SISO_Ant1_2452_1000~26500



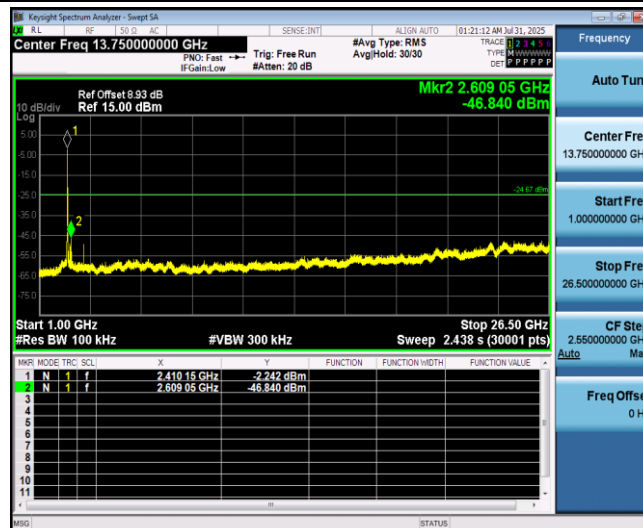
11AX20SISO_Ant1_2412_0-Reference



11AX20SISO_Ant1_2412_30-1000



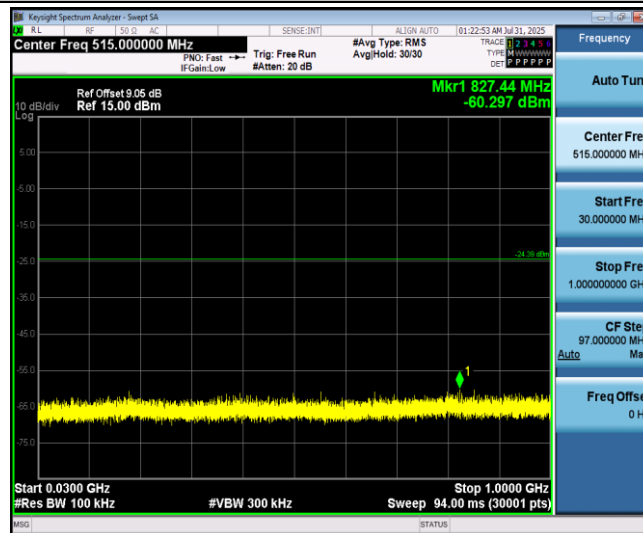
11AX20SISO_Ant1_2412_1000-26500



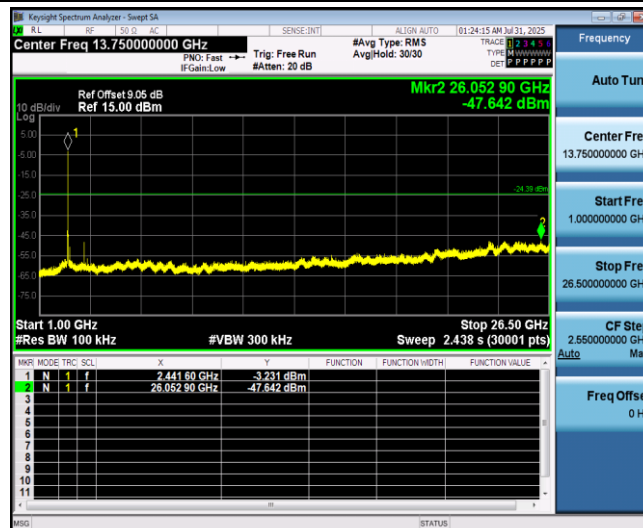
11AX20SISO_Ant1_2437_0-Reference



11AX20SISO_Ant1_2437_30~1000



11AX20SISO_Ant1_2437_1000~26500



11AX20SISO_Ant1_2462_0~Reference