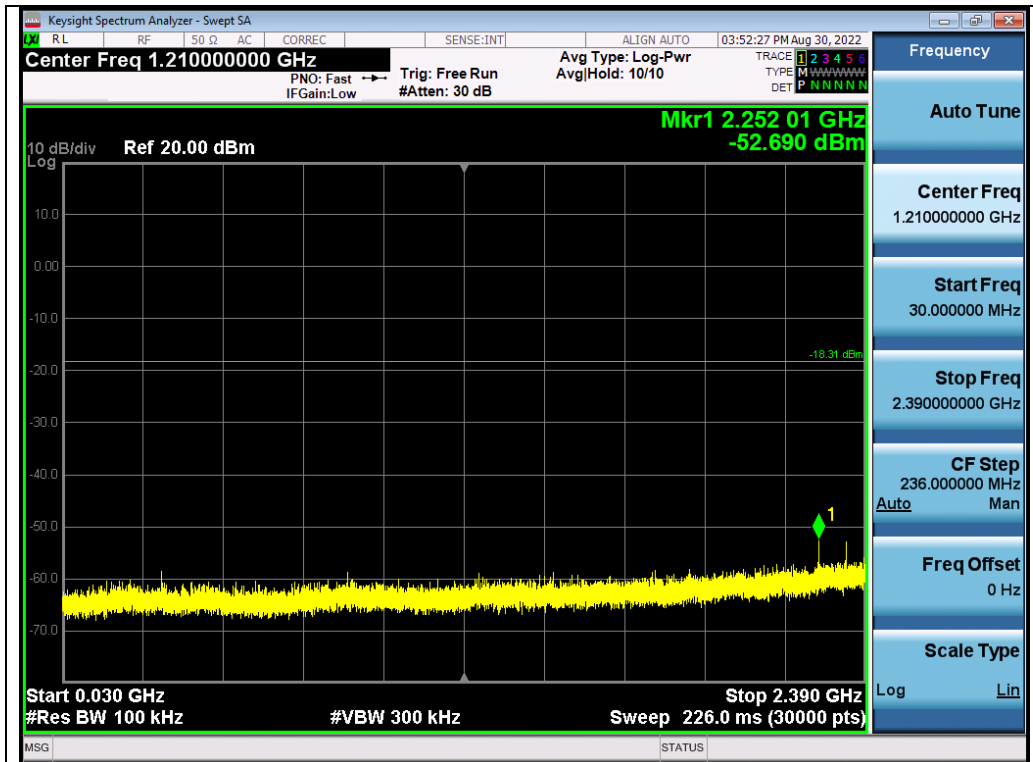
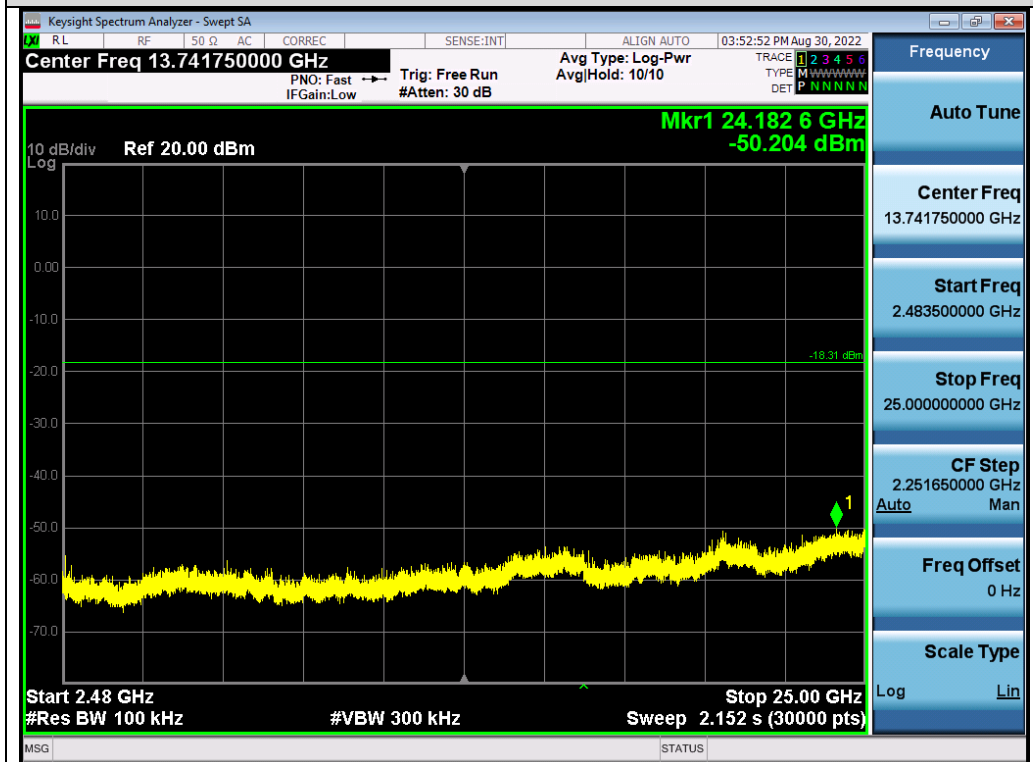


Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands

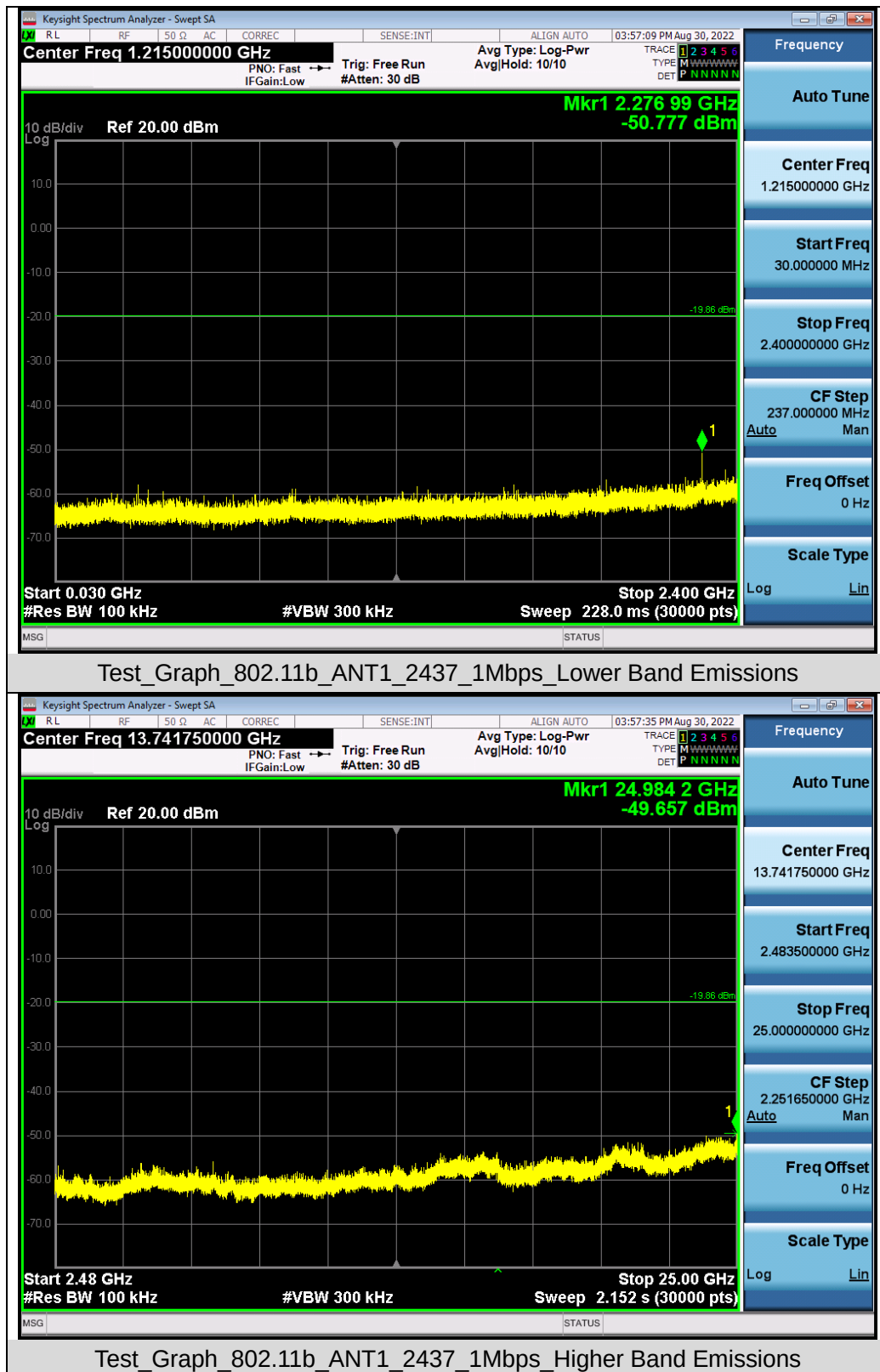


Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Emissions

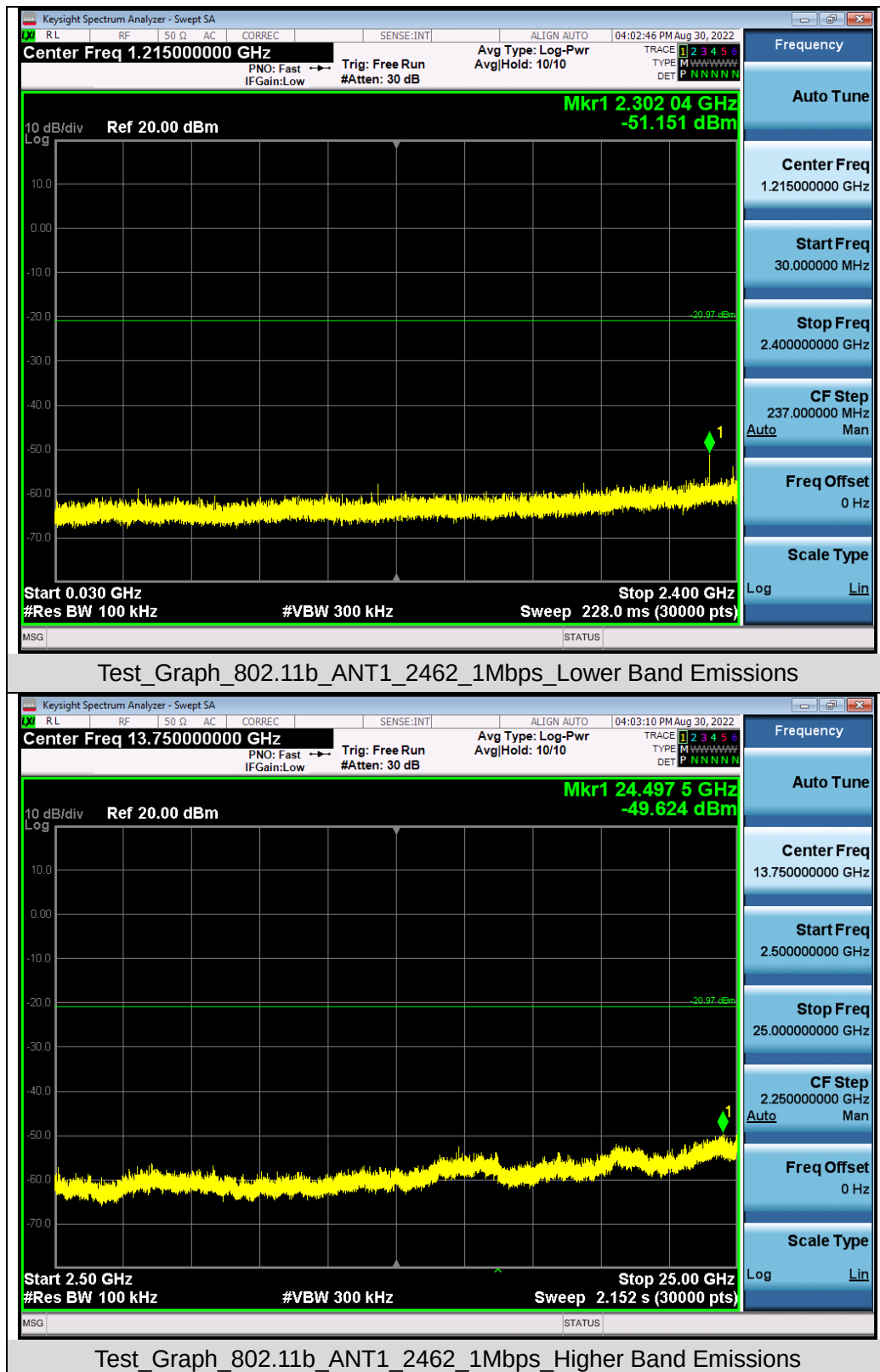


Test_Graph_802.11b_ANT1_2412_1Mbps_Higher Band Emissions

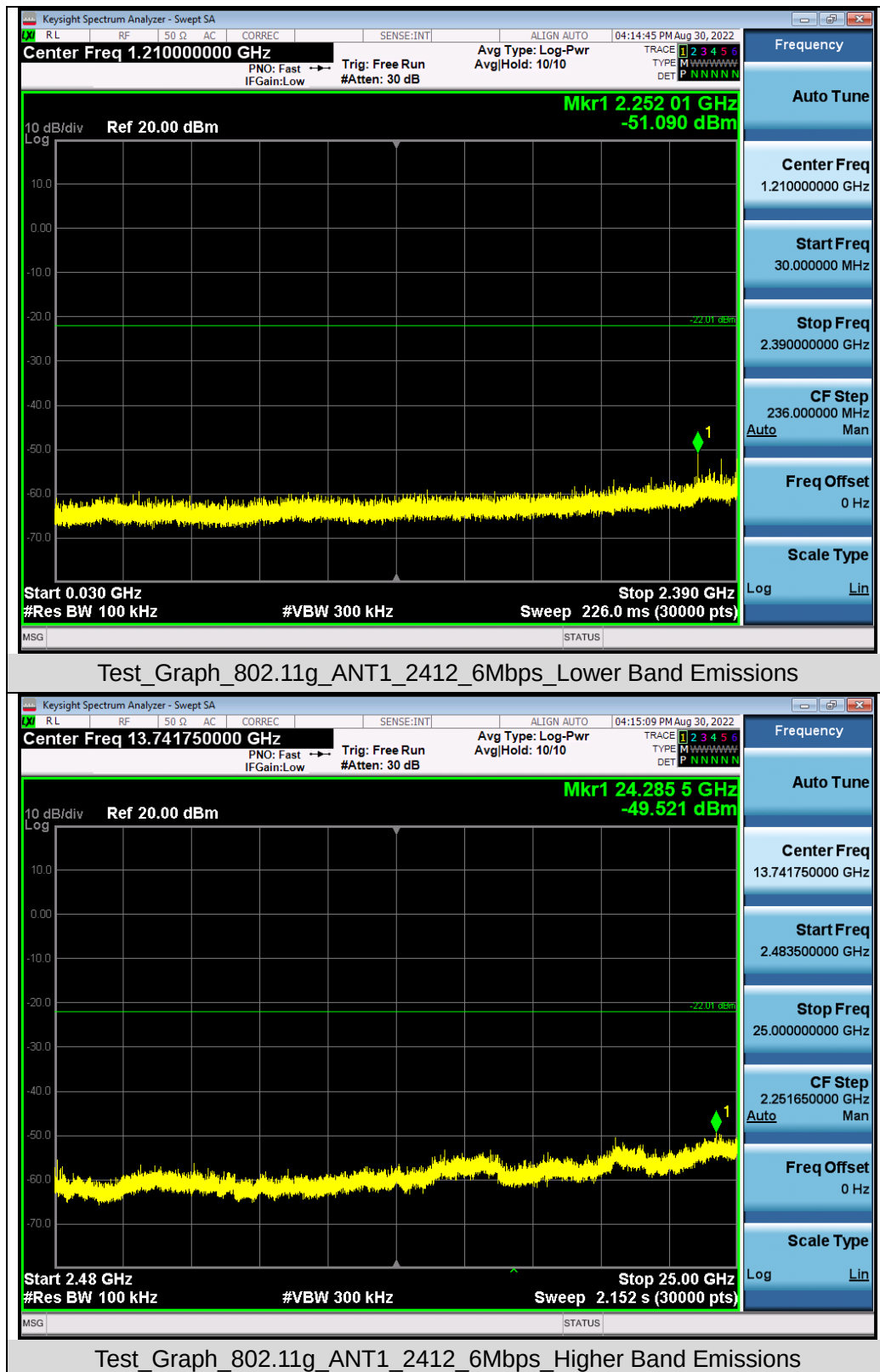
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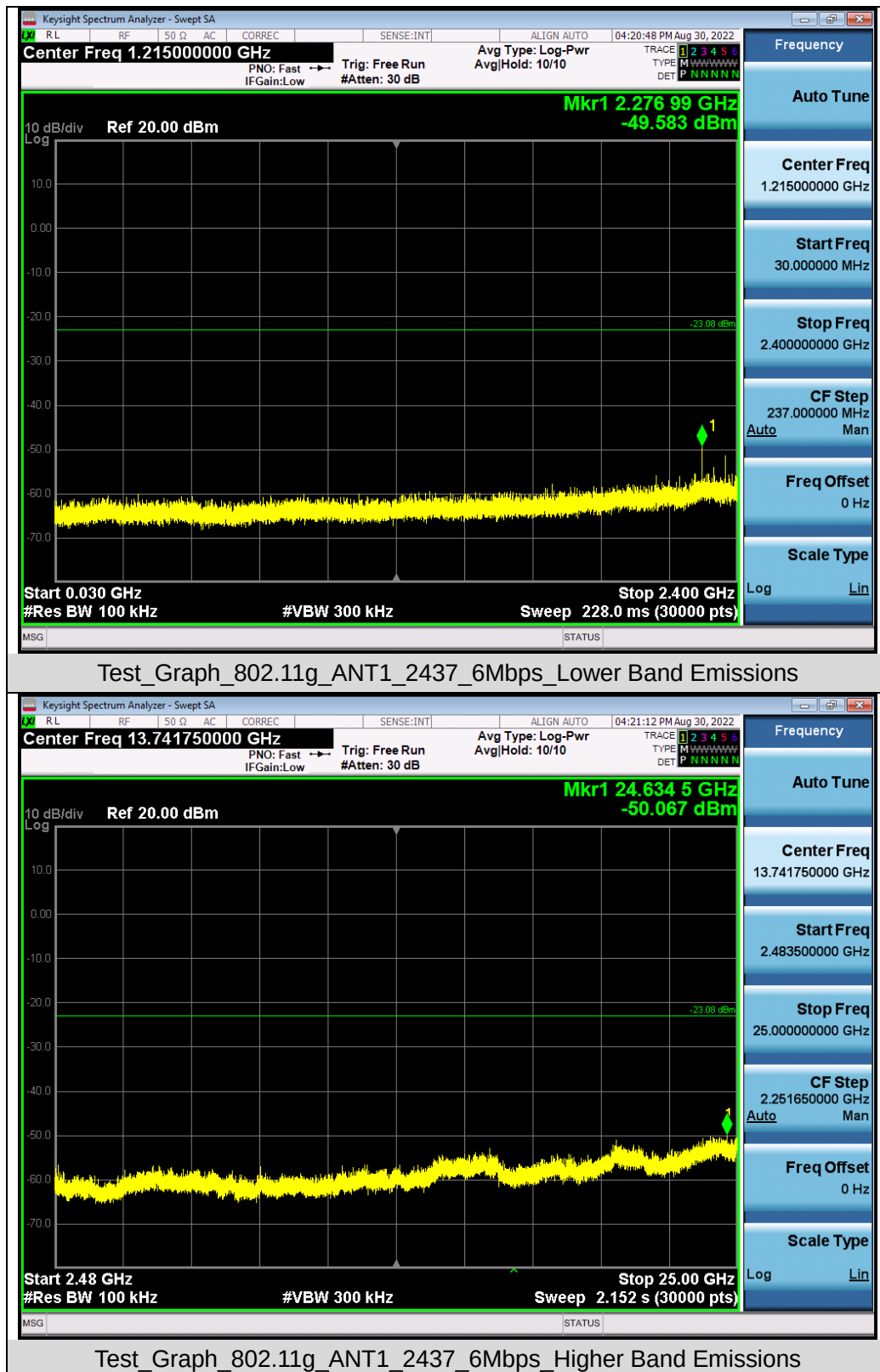
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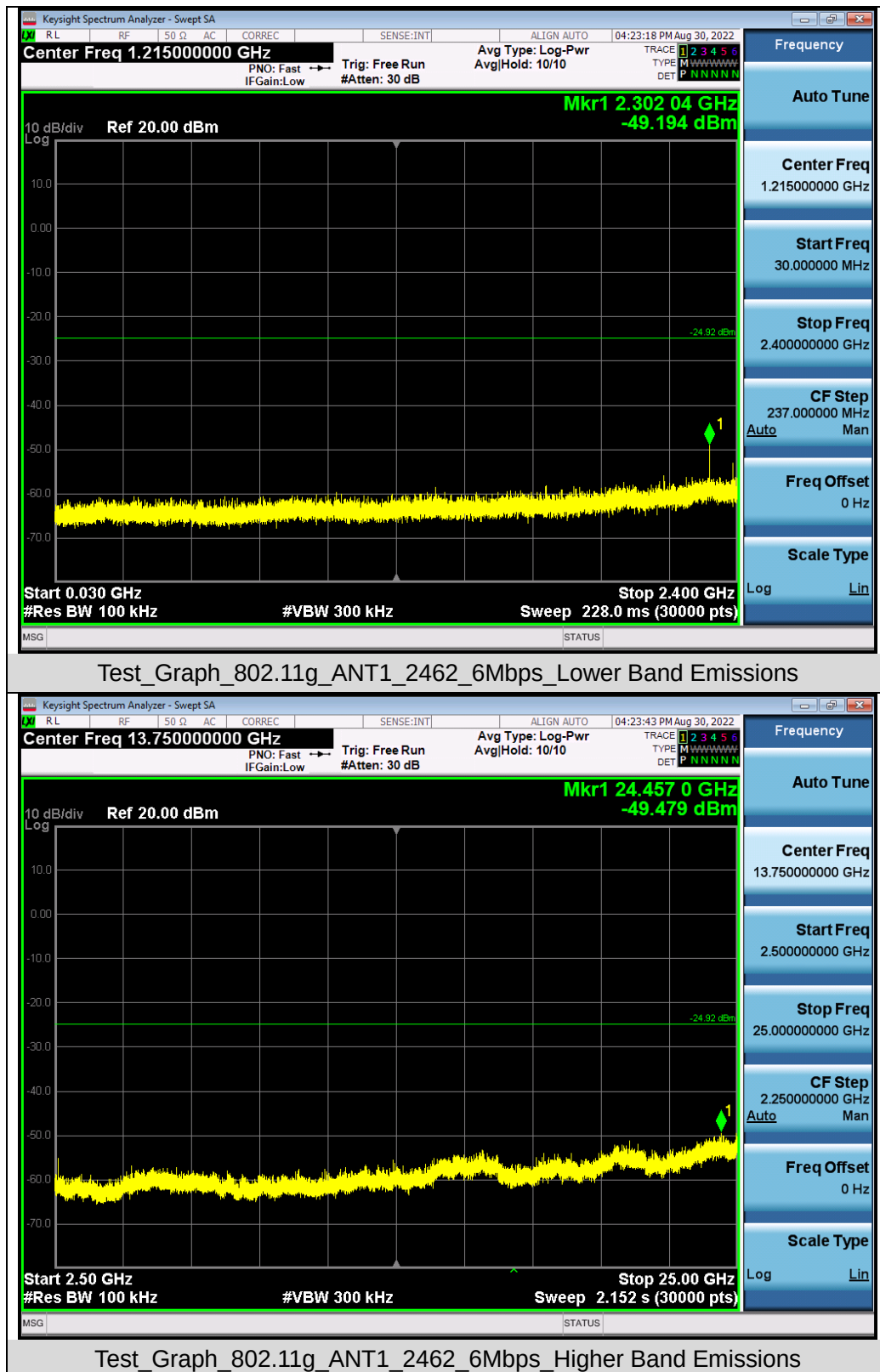
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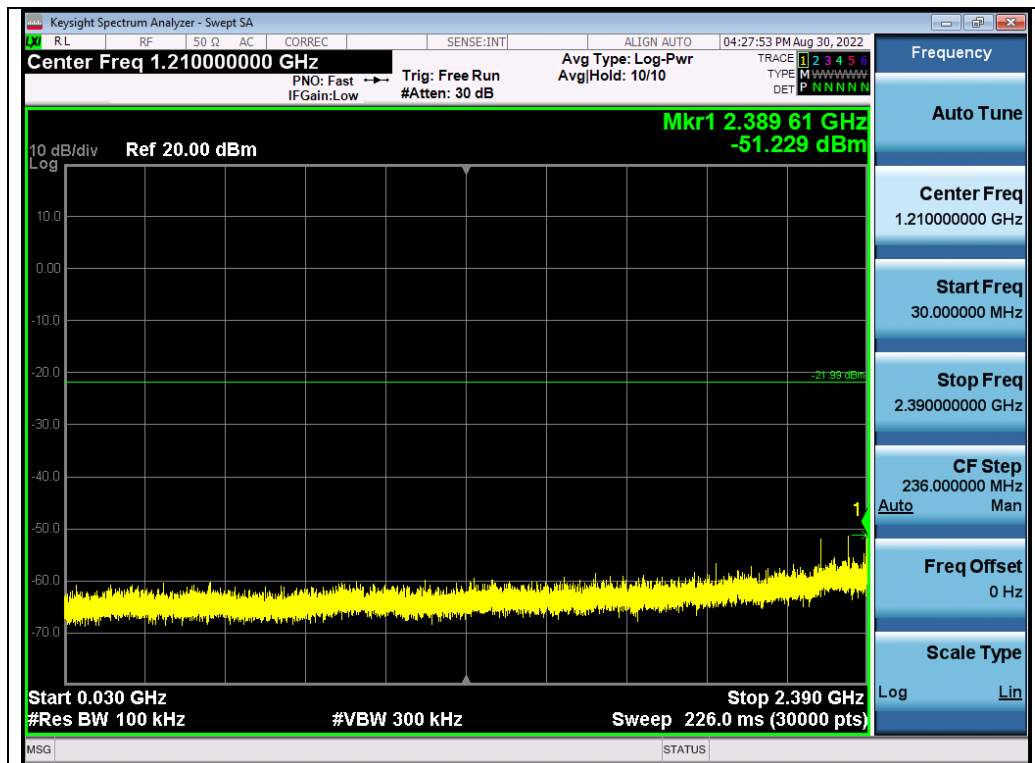
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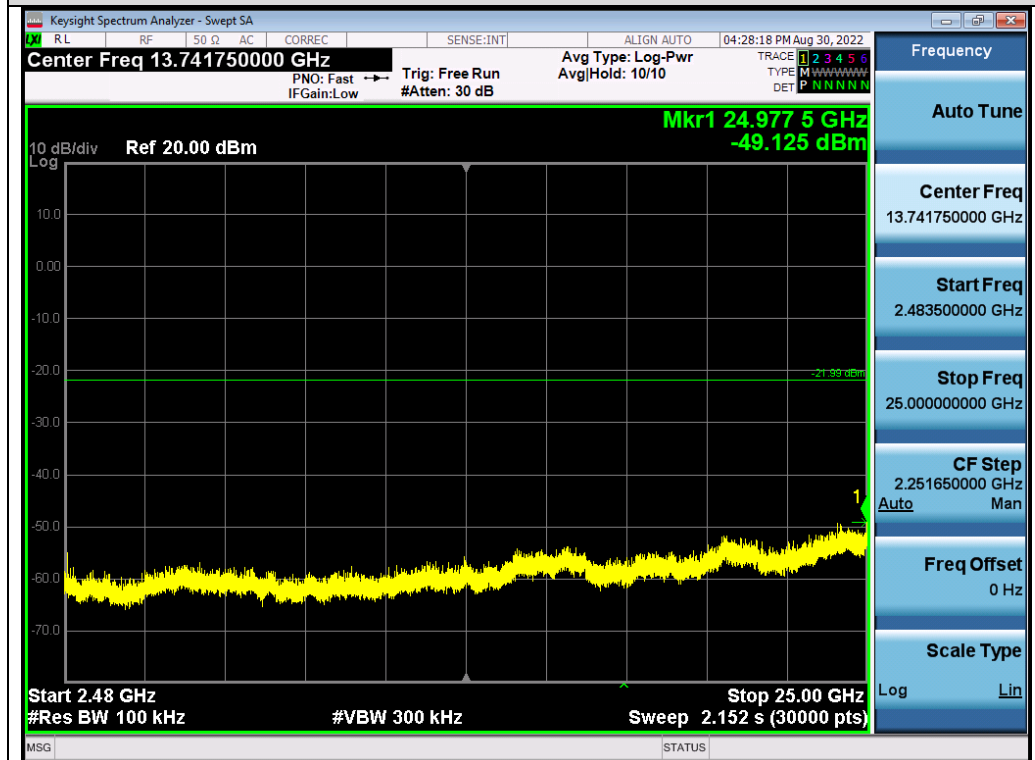
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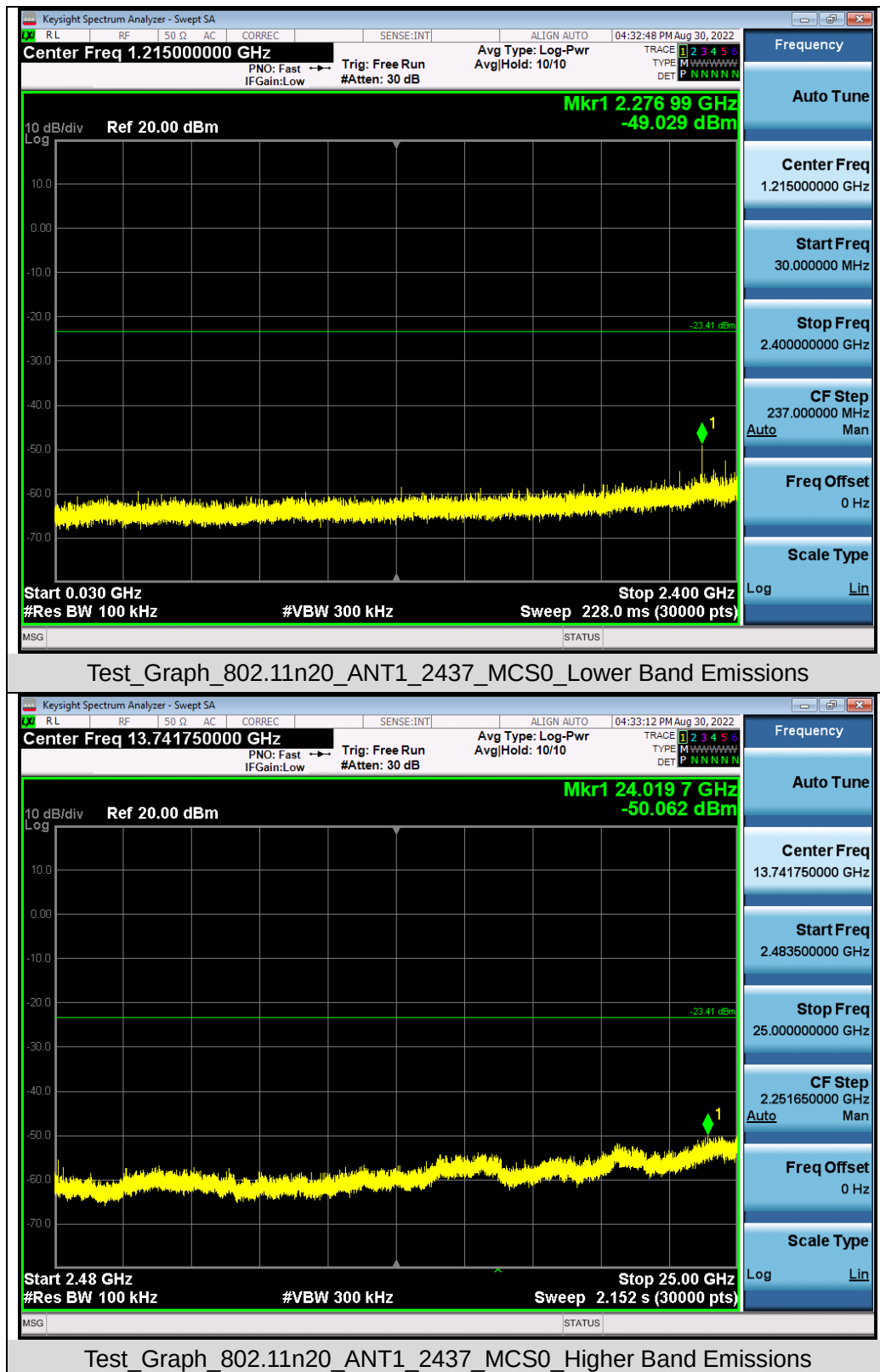


Test_Graph_802.11n20_ANT1_2412_MCS0_Lower Band Emissions

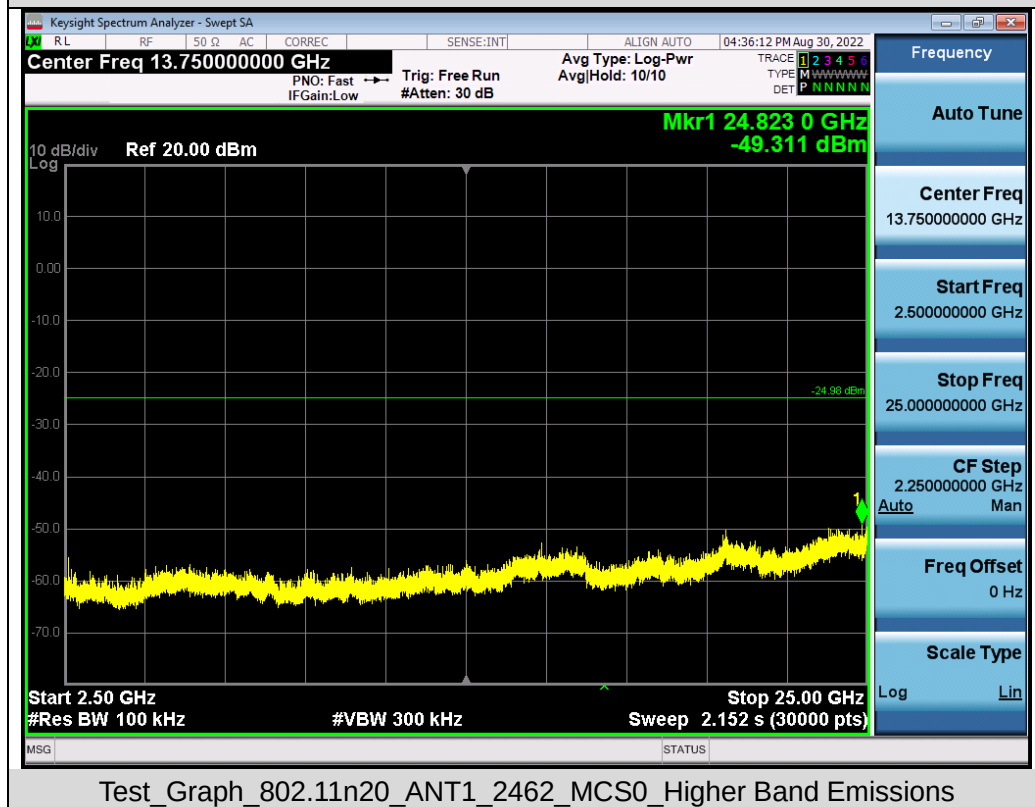
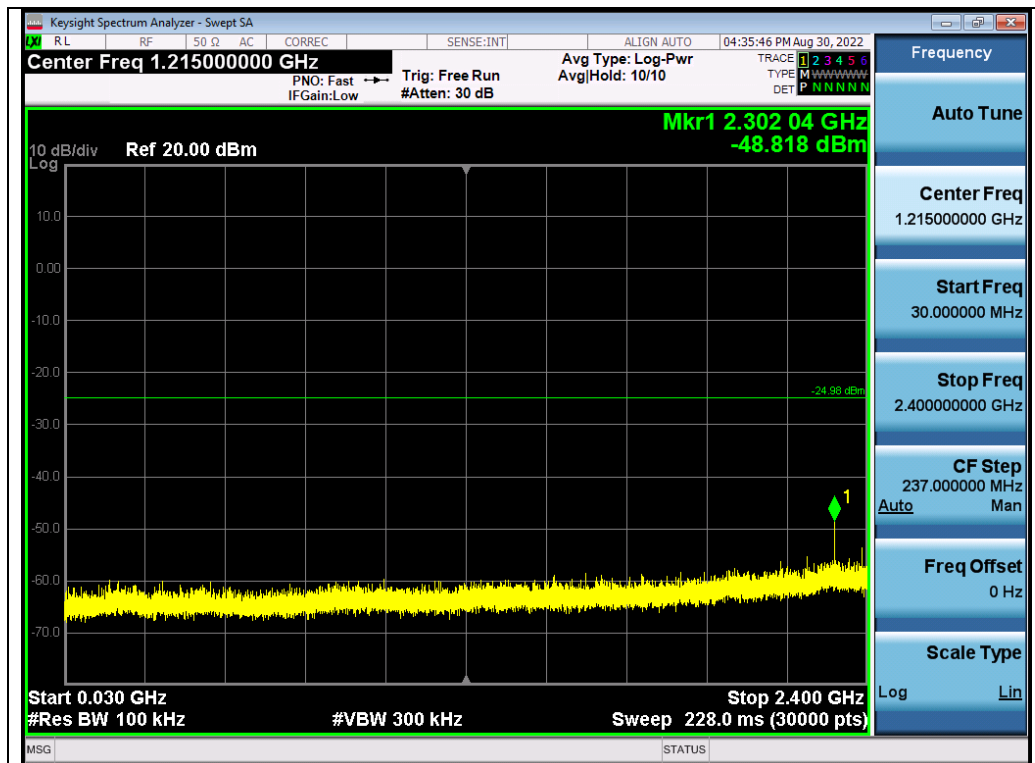


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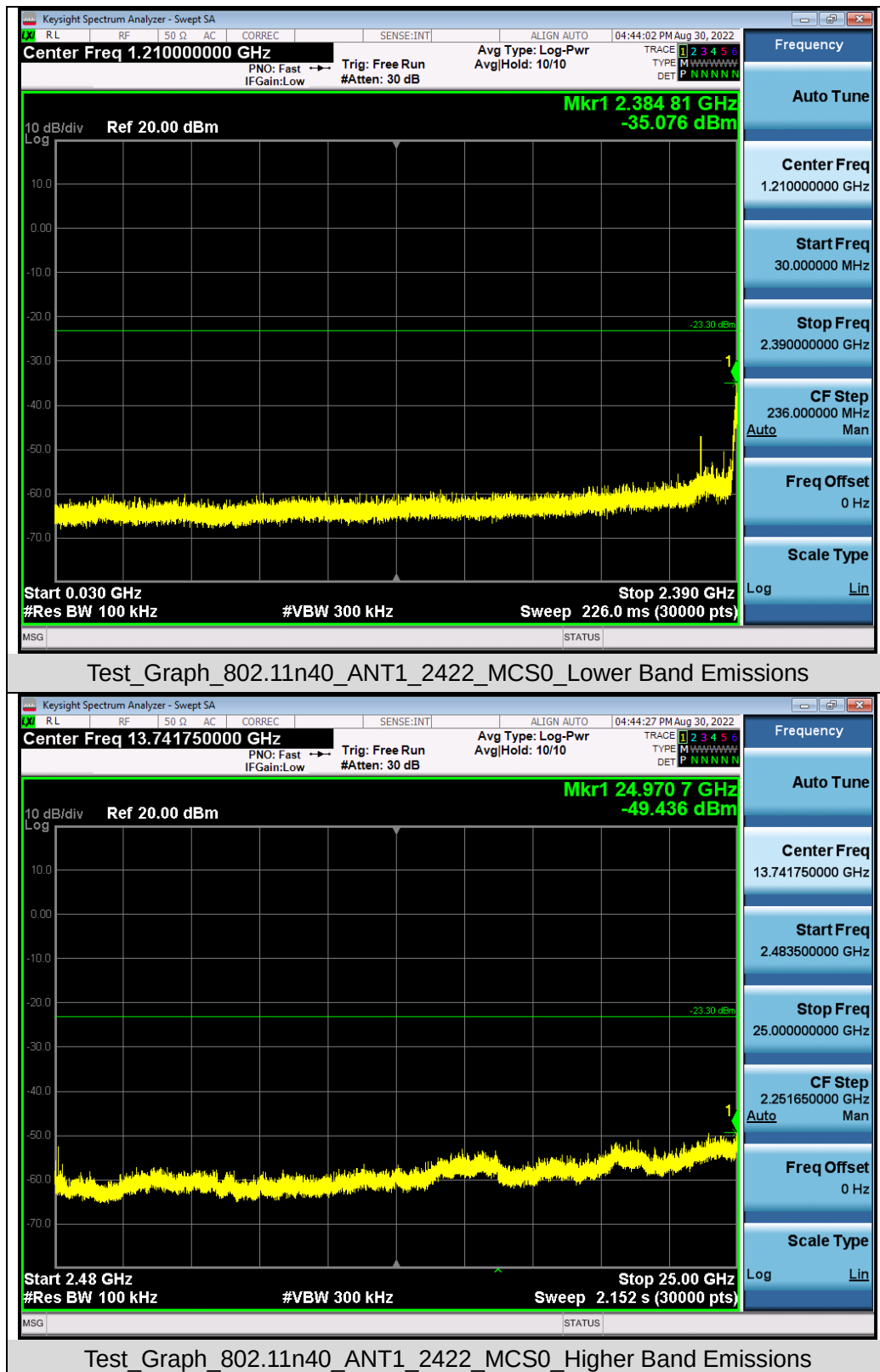
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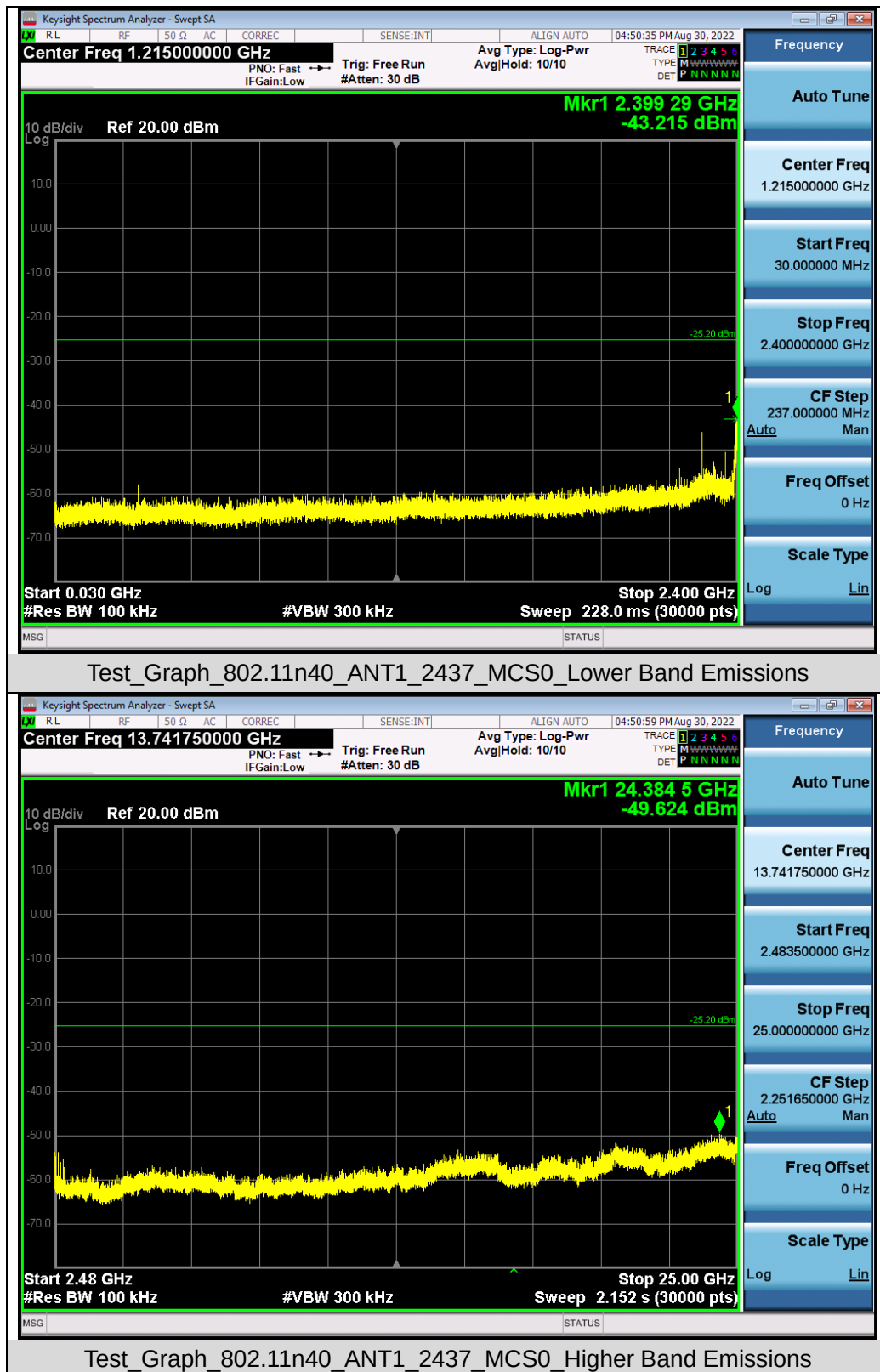
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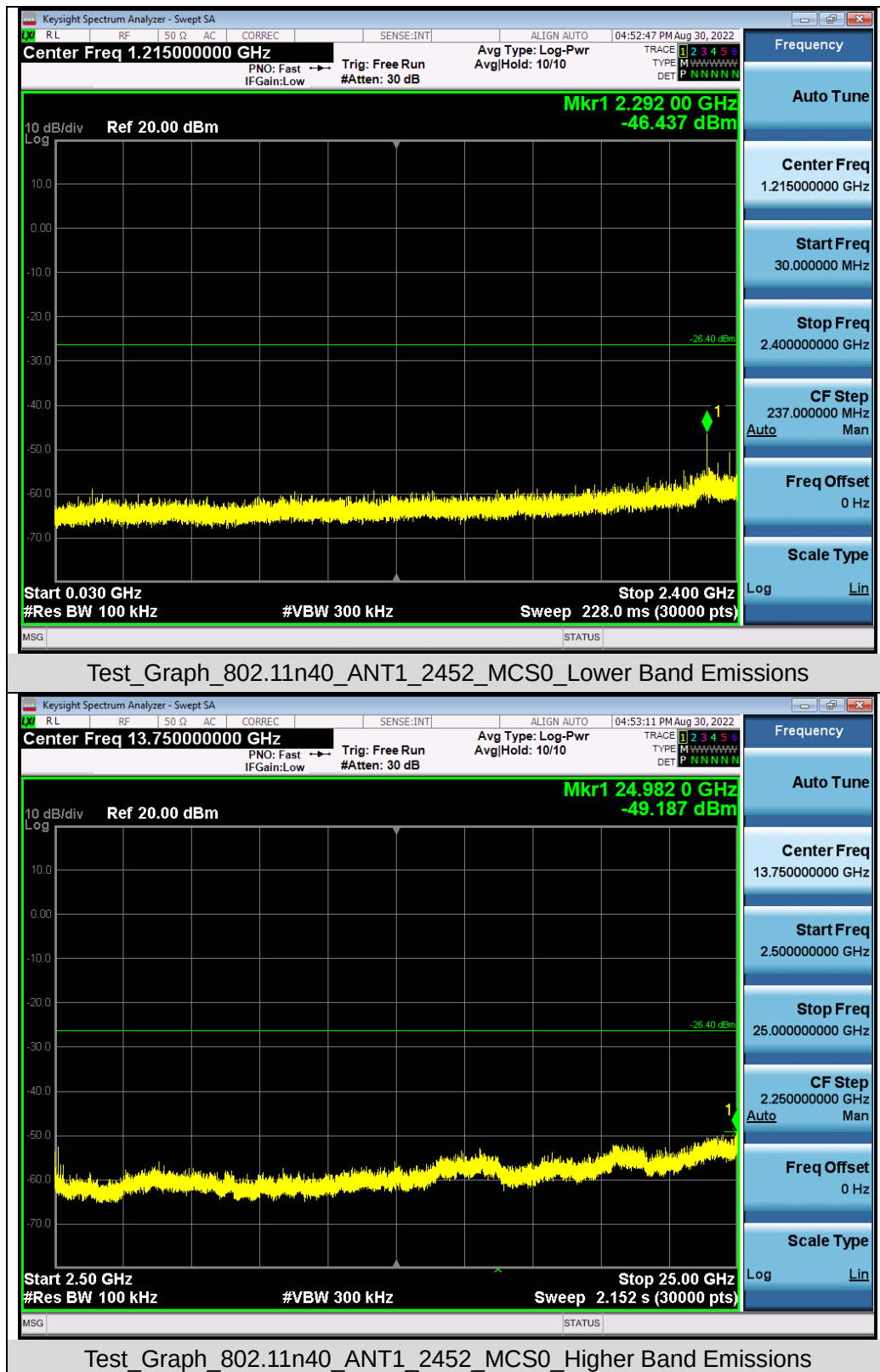
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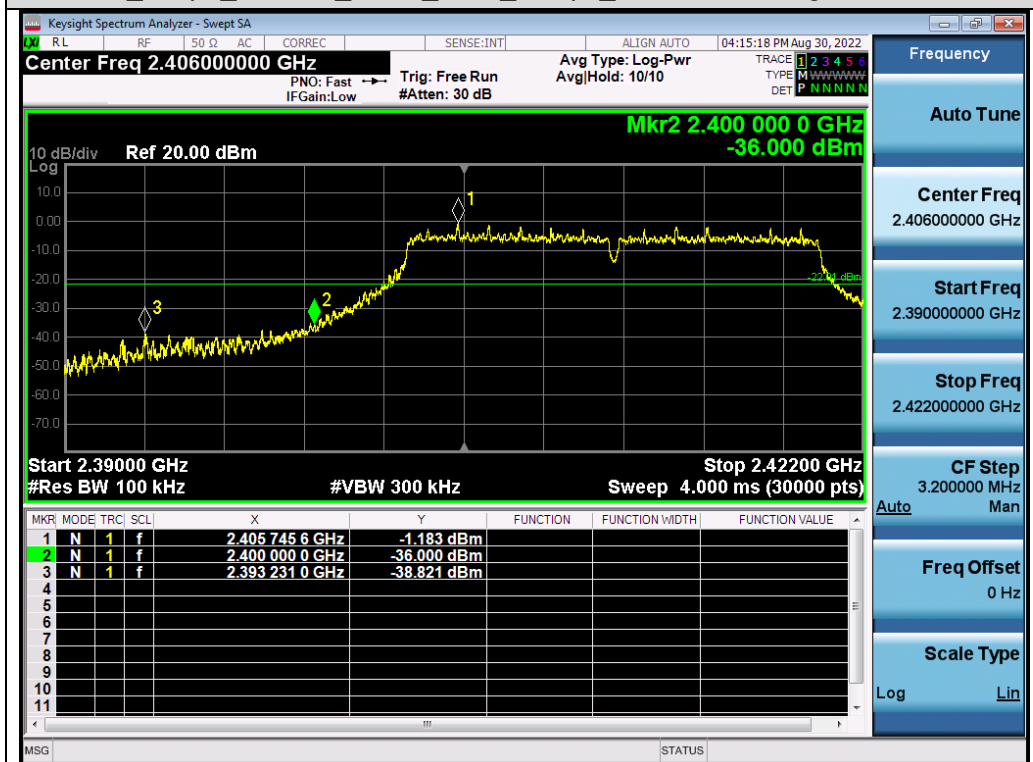


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Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

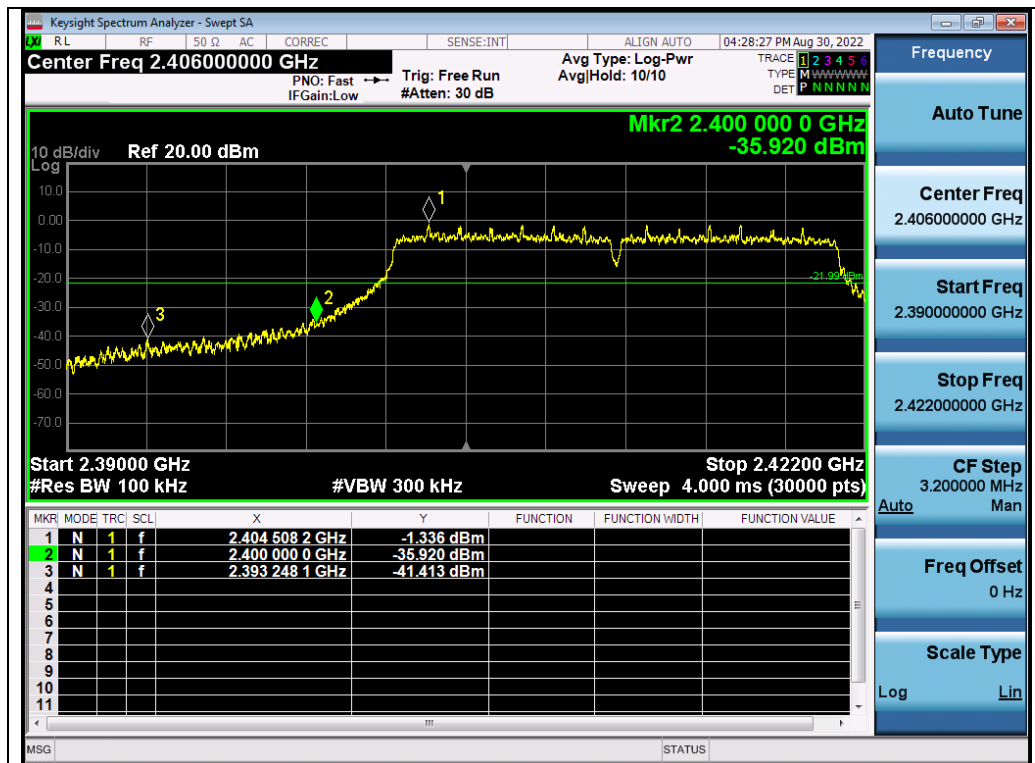


Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Edge Emissions

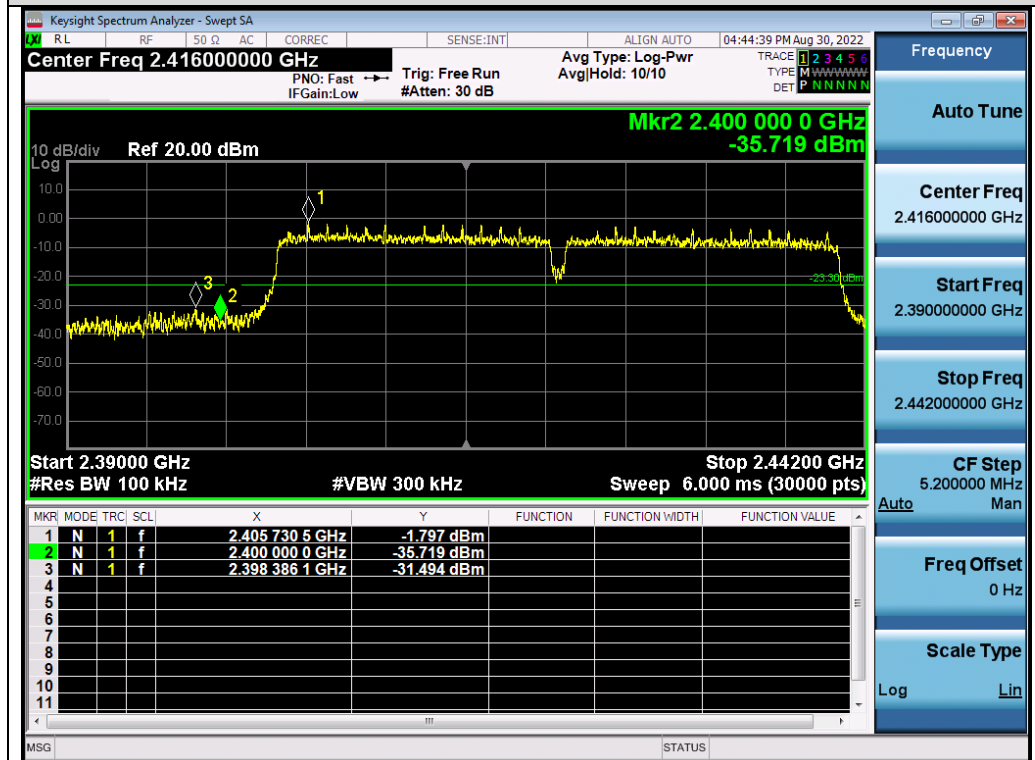


Test_Graph_802.11g_ANT1_2412_6Mbps_Lower Band Edge Emissions

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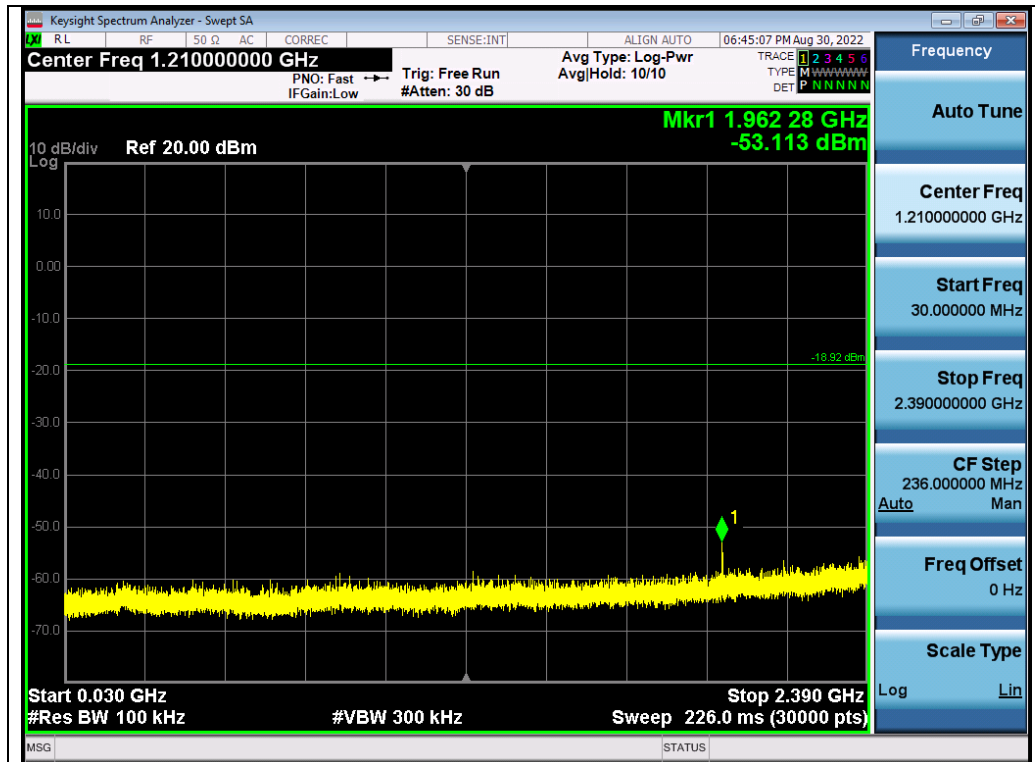
Test_Graph_802.11n20_ANT1_2412_MCS0_Lower Band Edge Emissions



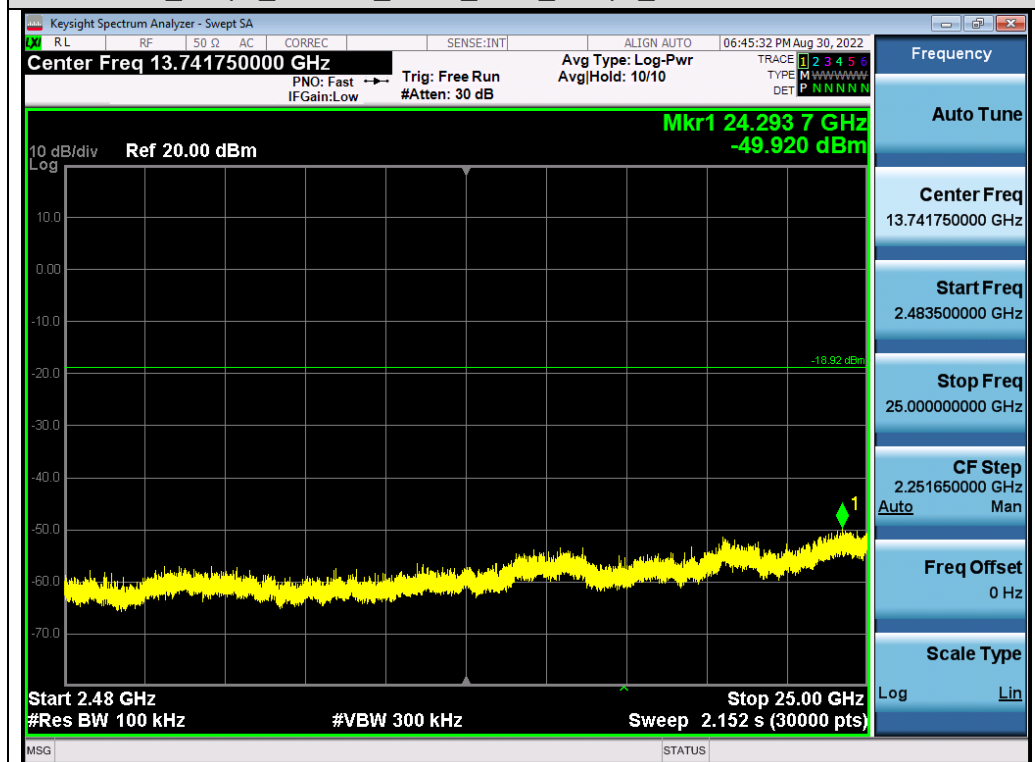
Test_Graph_802.11n40_ANT1_2422_MCS0_Lower Band Edge Emissions

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Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands

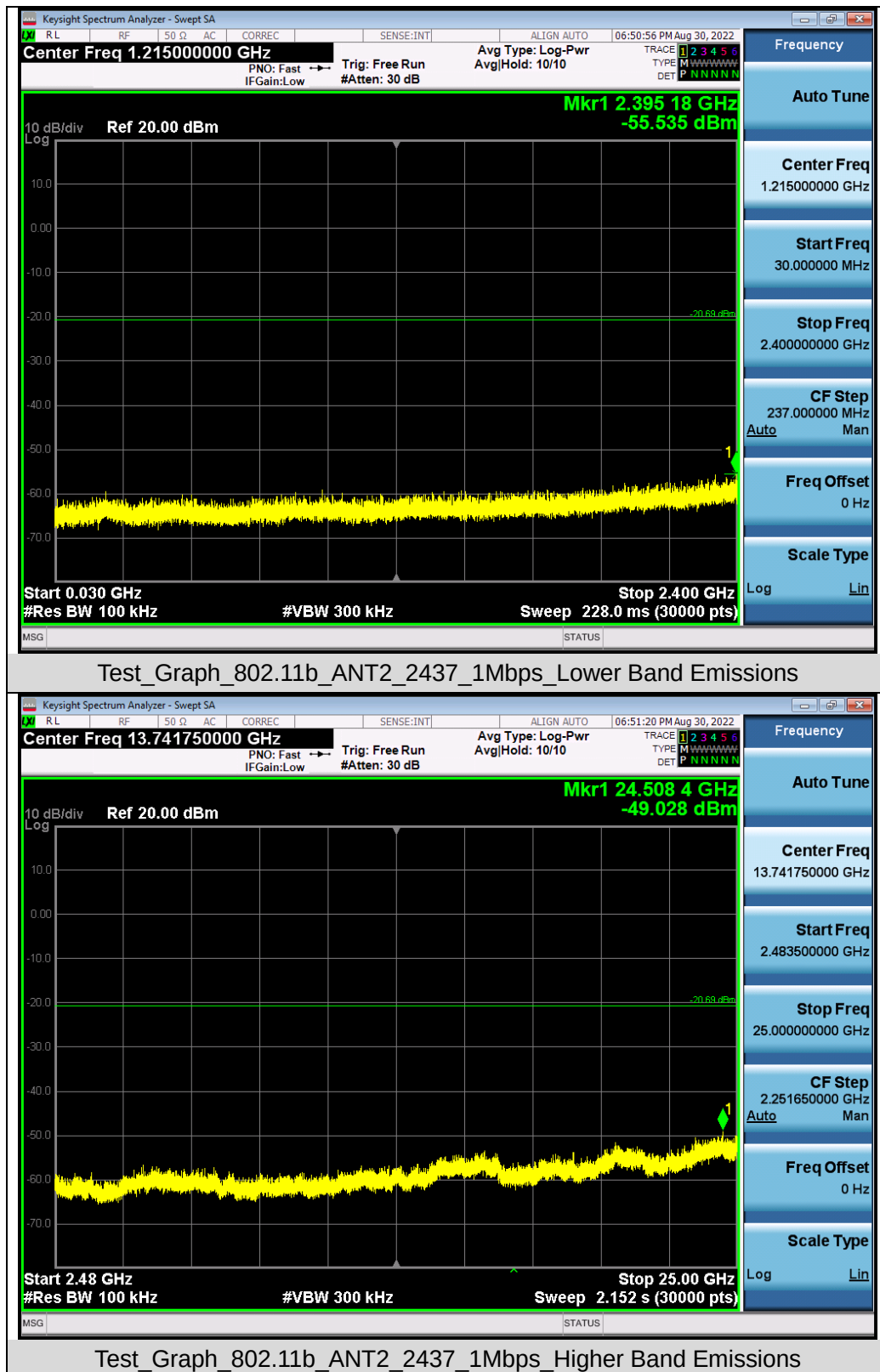


Test_Graph_802.11b_ANT2_2412_1Mbps_Lower Band Emissions

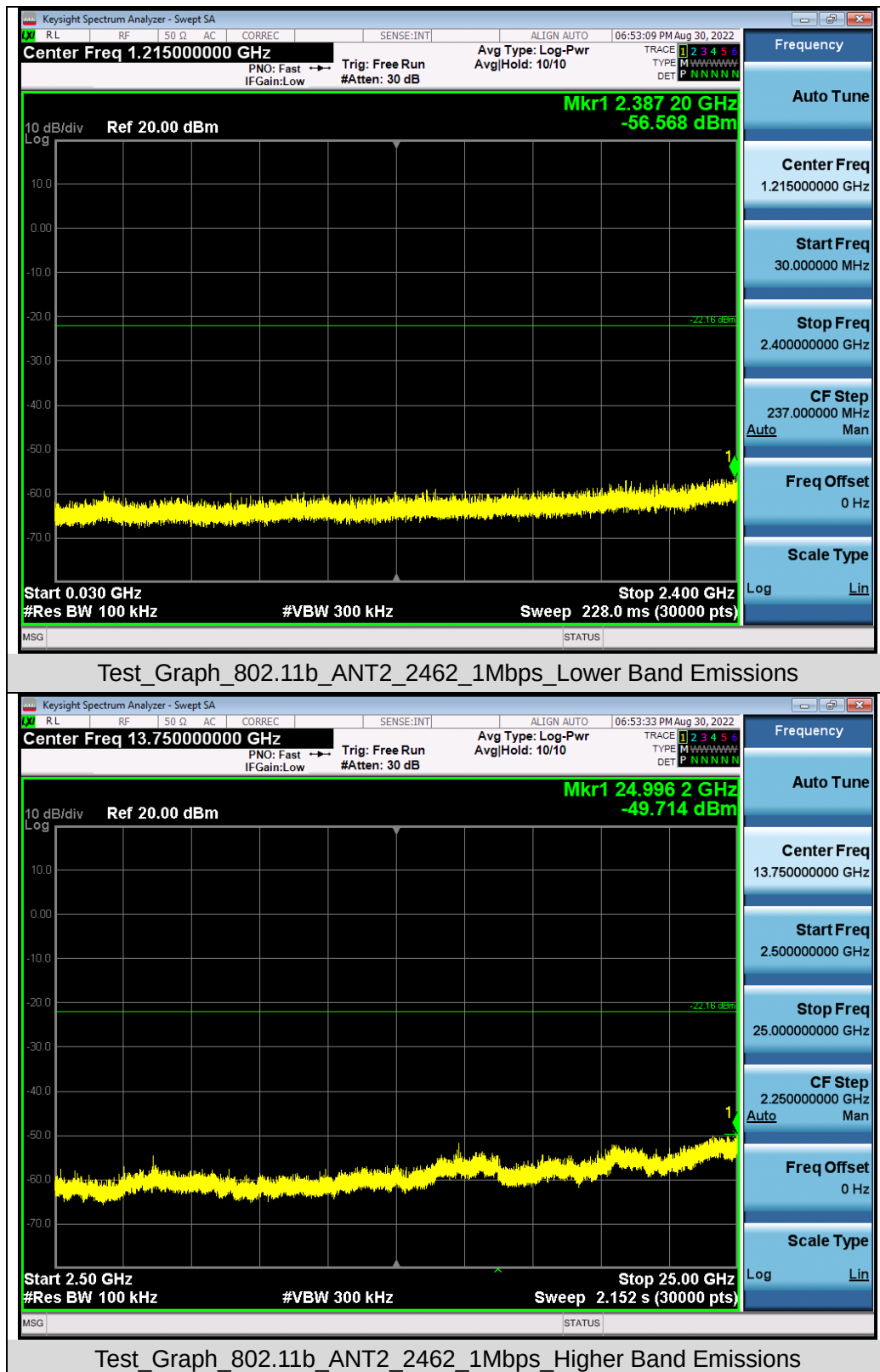


Test_Graph_802.11b_ANT2_2412_1Mbps_Higher Band Emissions

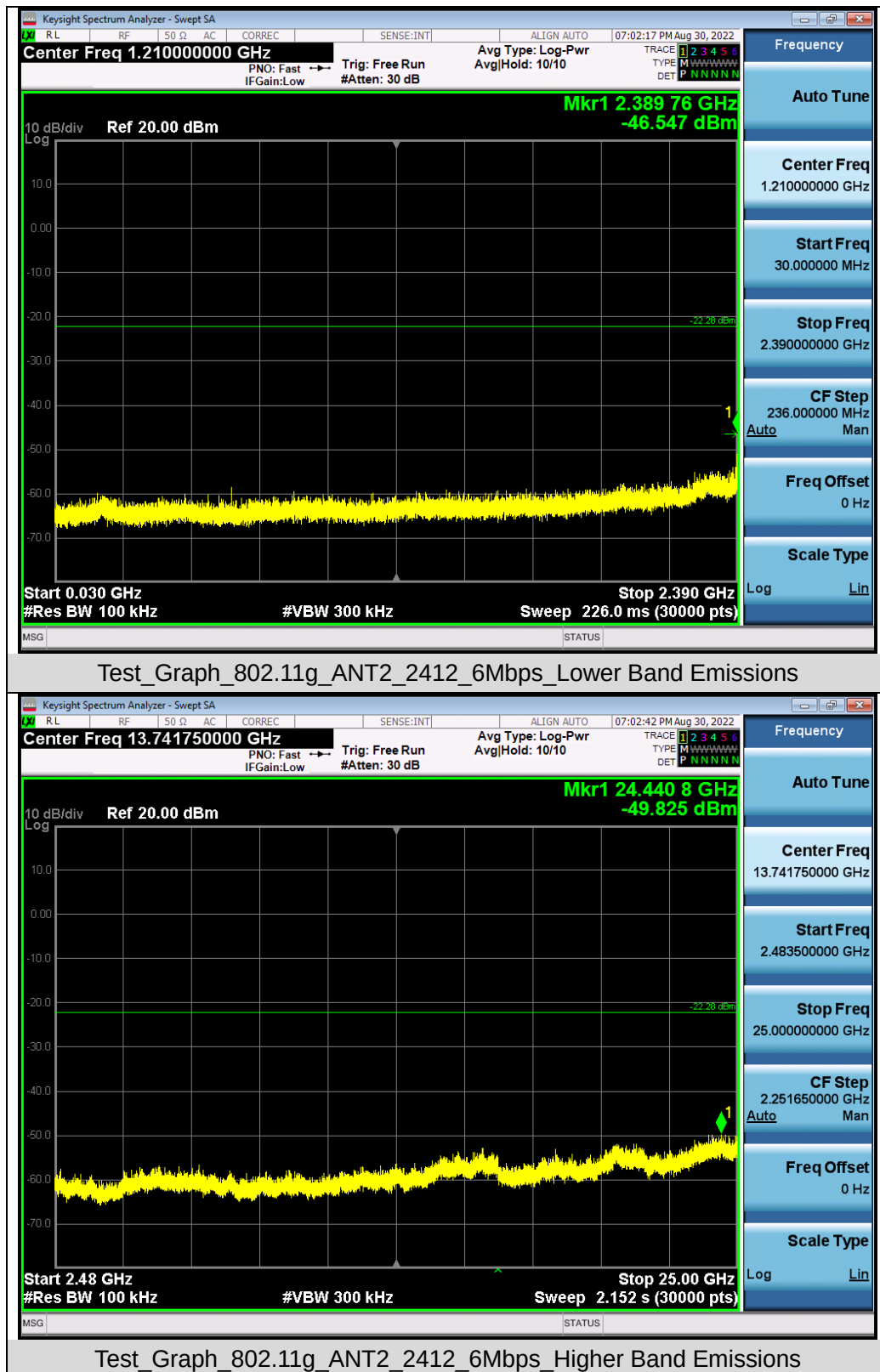
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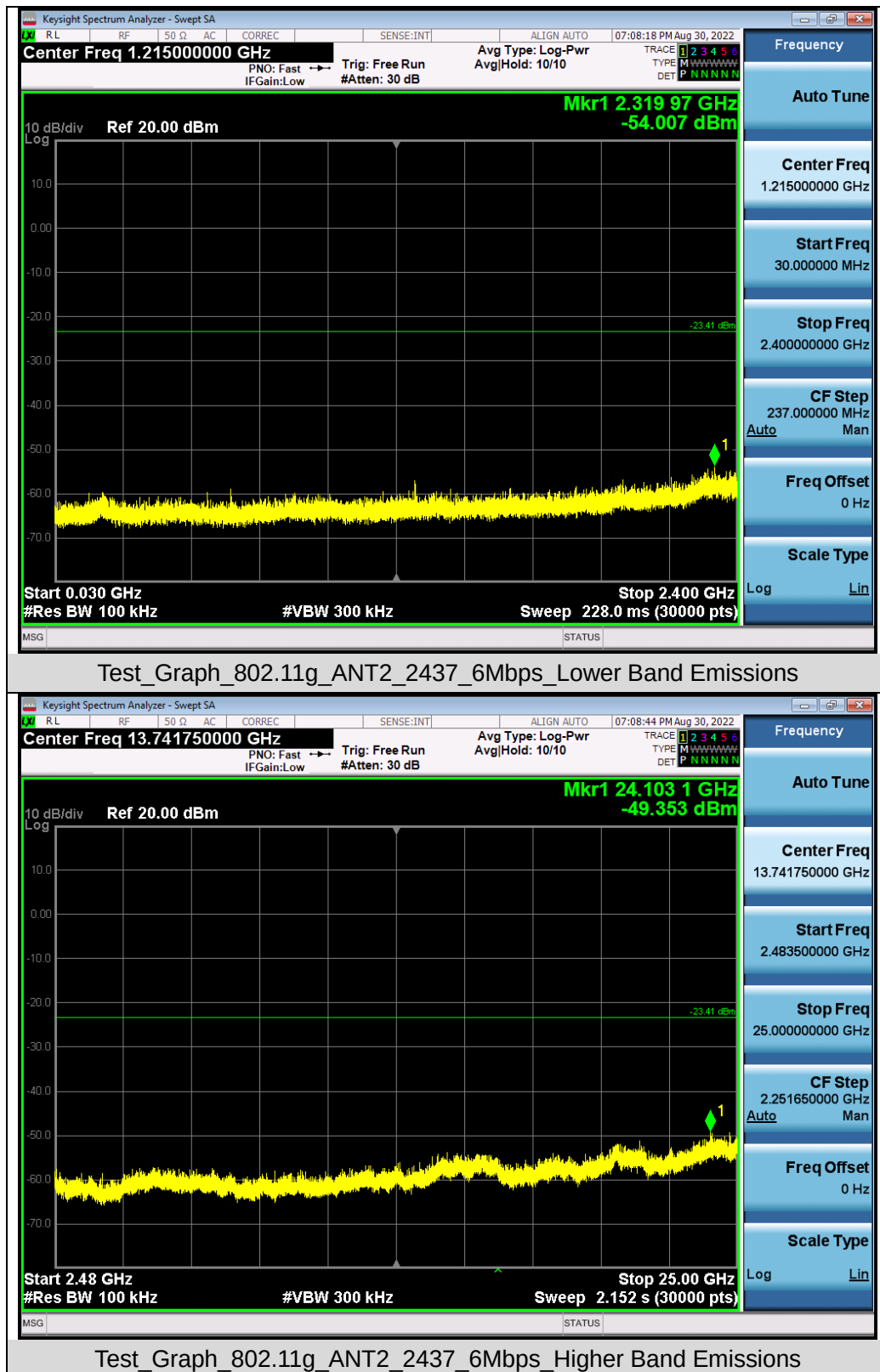
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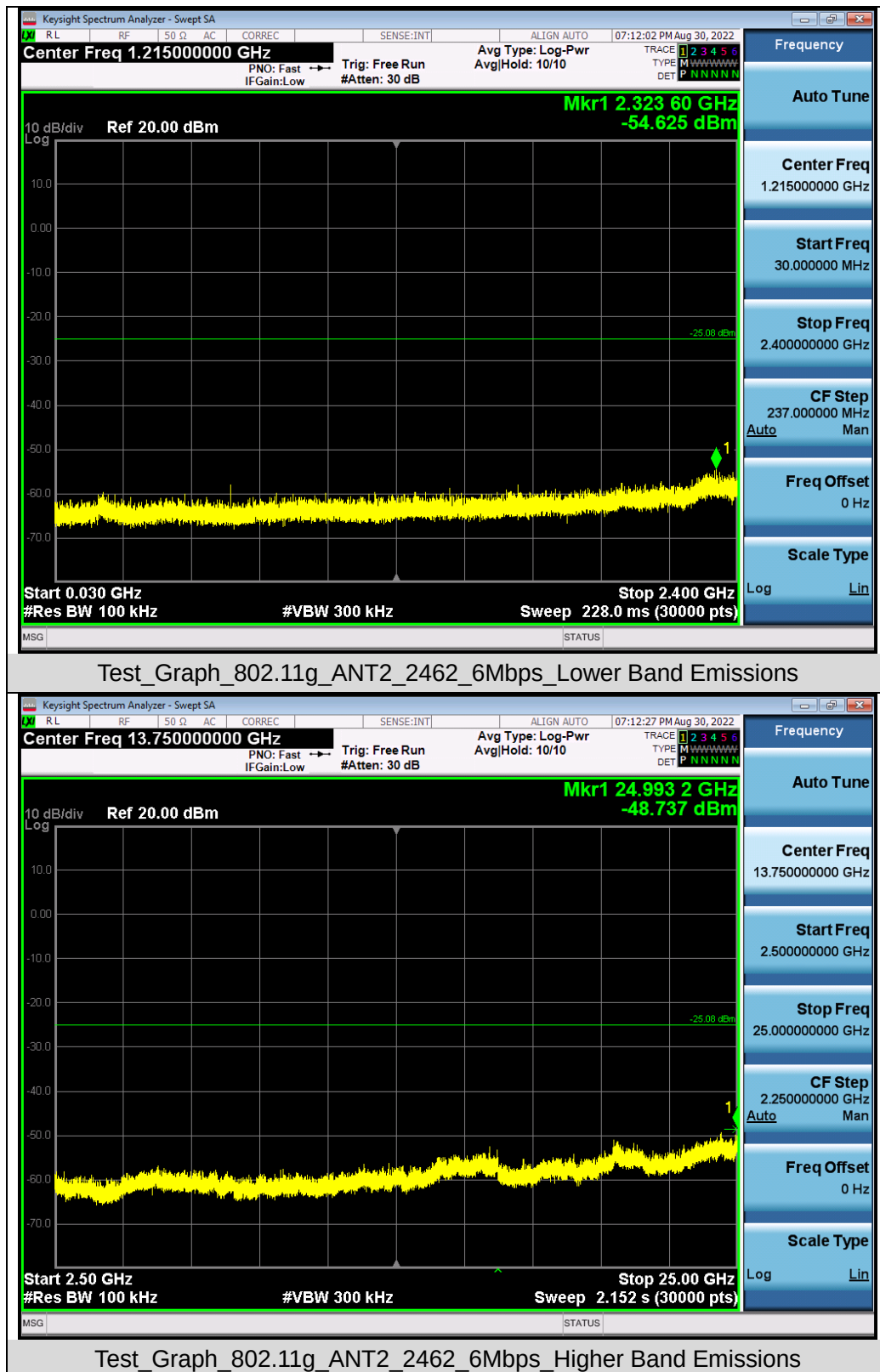
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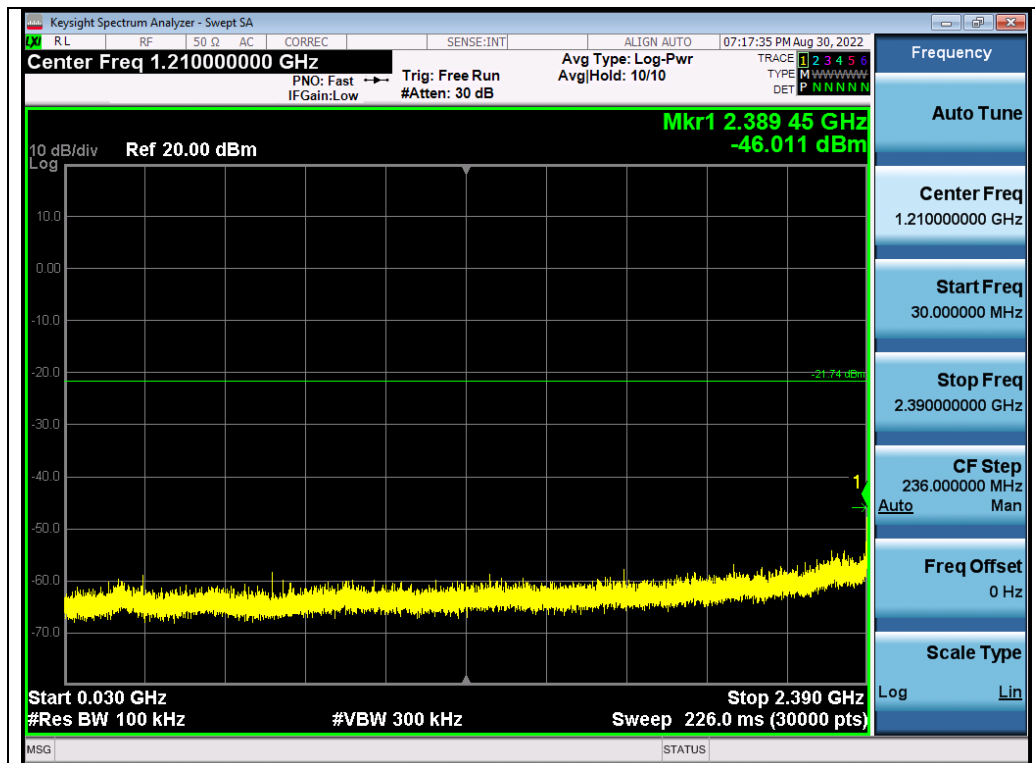
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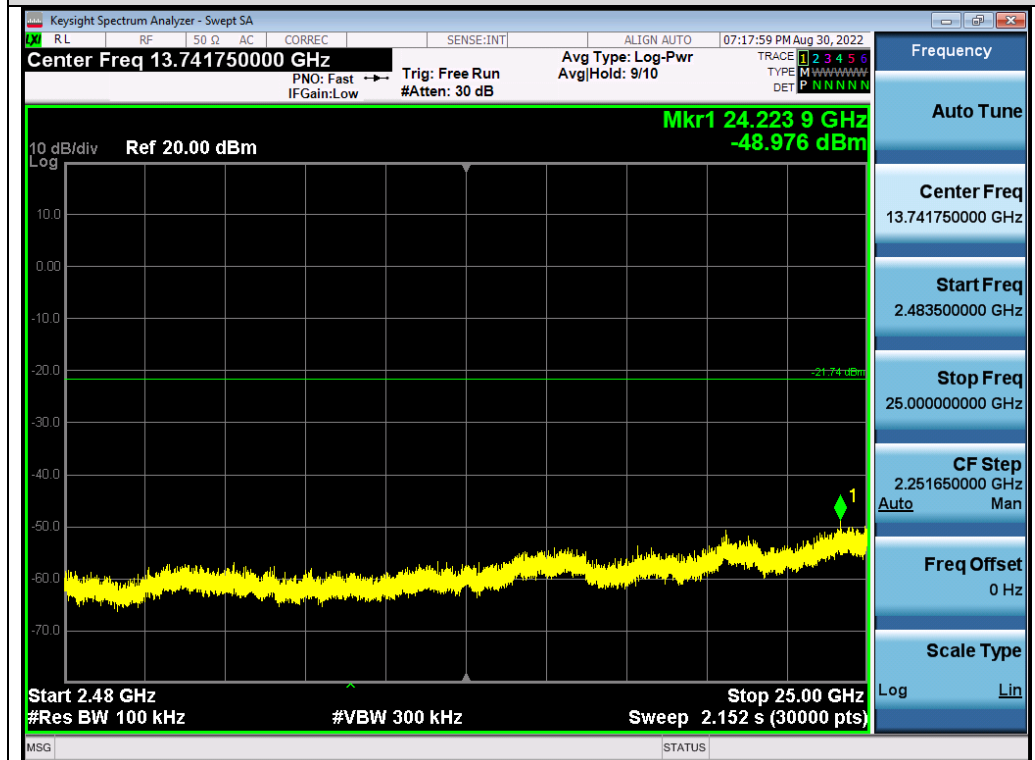
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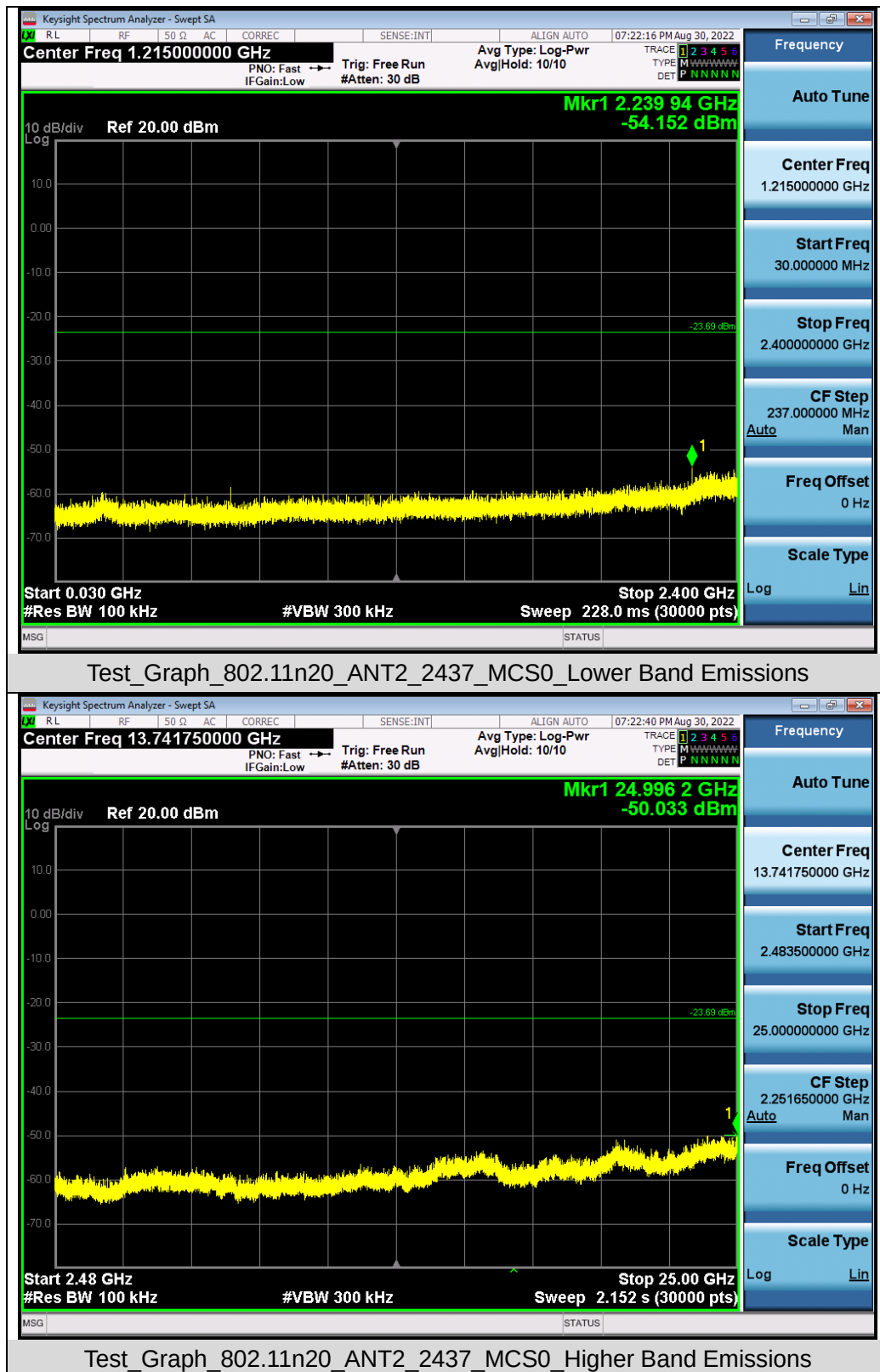


Test_Graph_802.11n20_ANT2_2412_MCS0_Lower Band Emissions

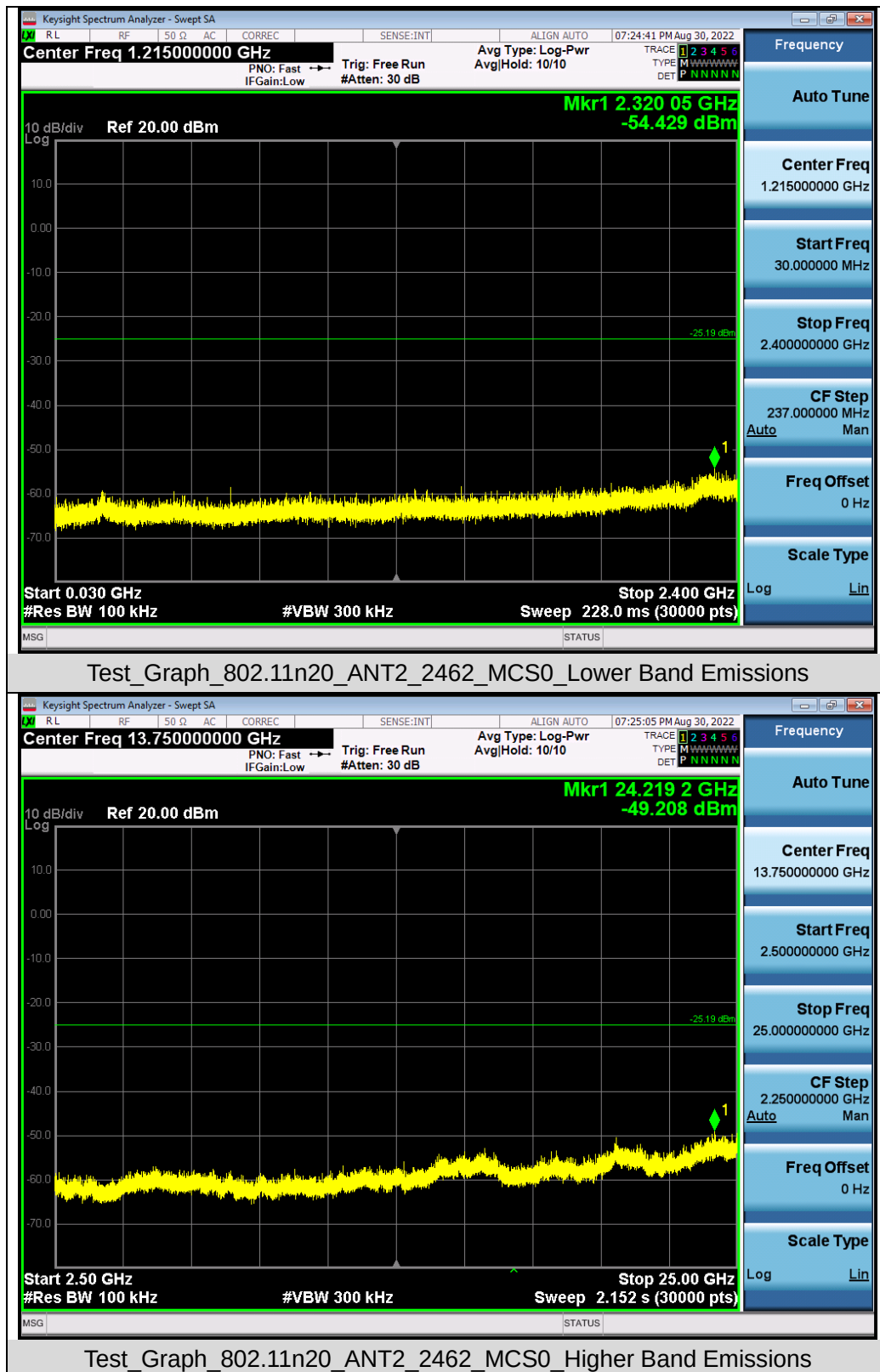


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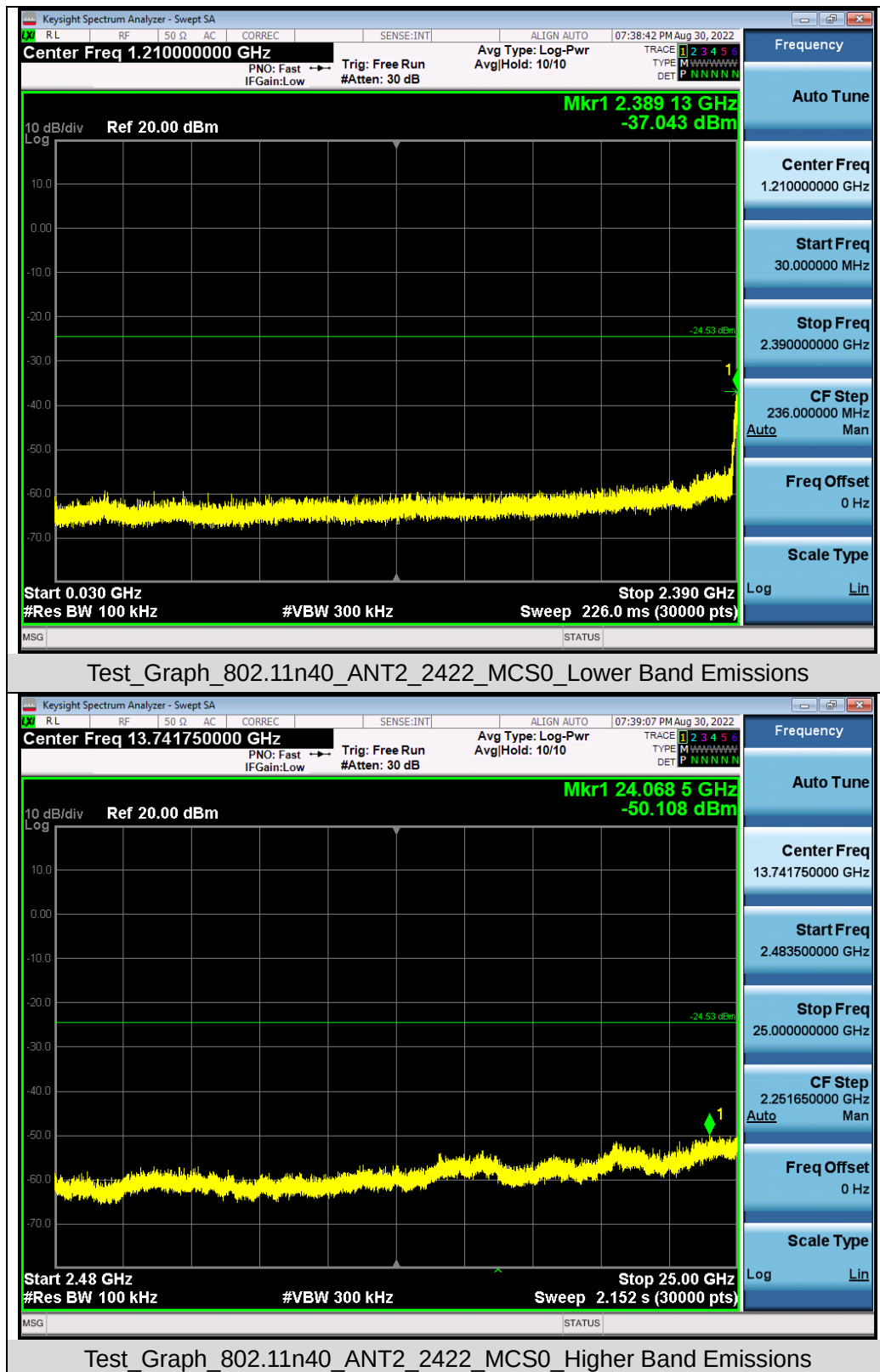
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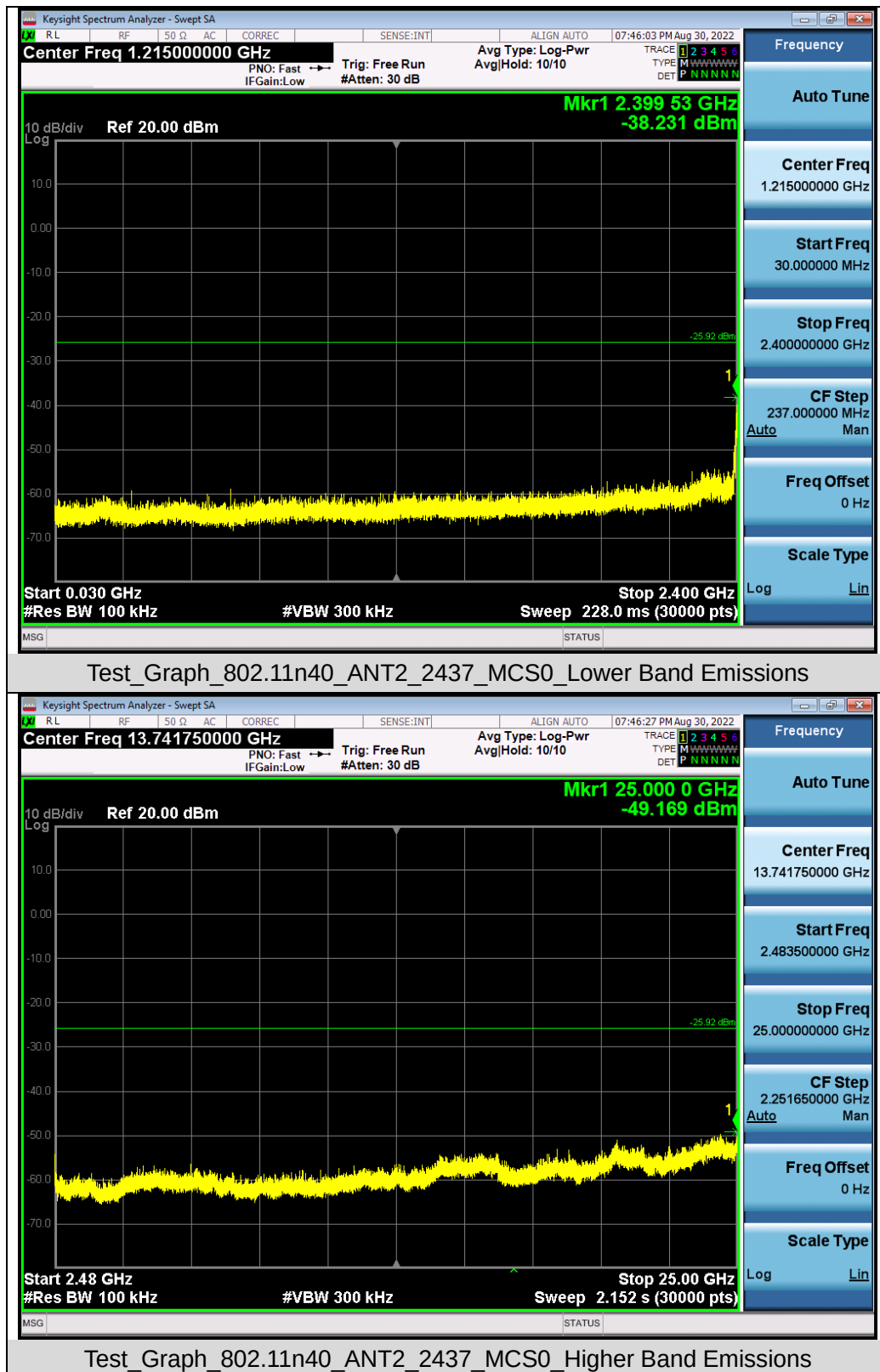
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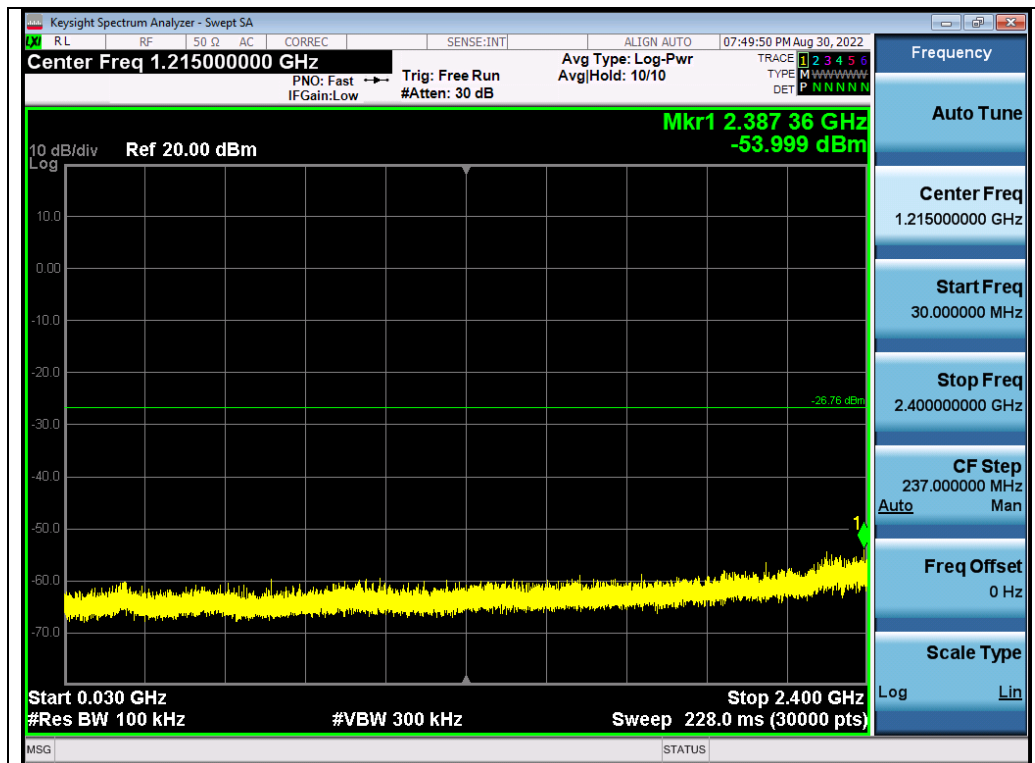
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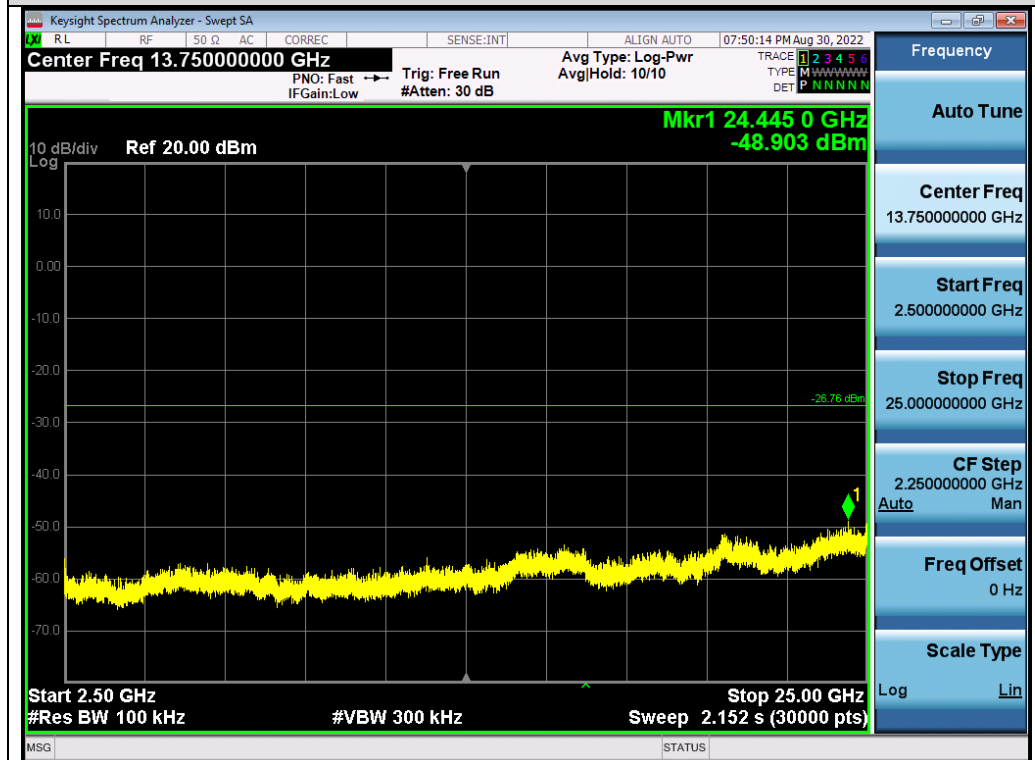
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Test_Graph_802.11n40_ANT2_2452_MCS0_Lower Band Emissions



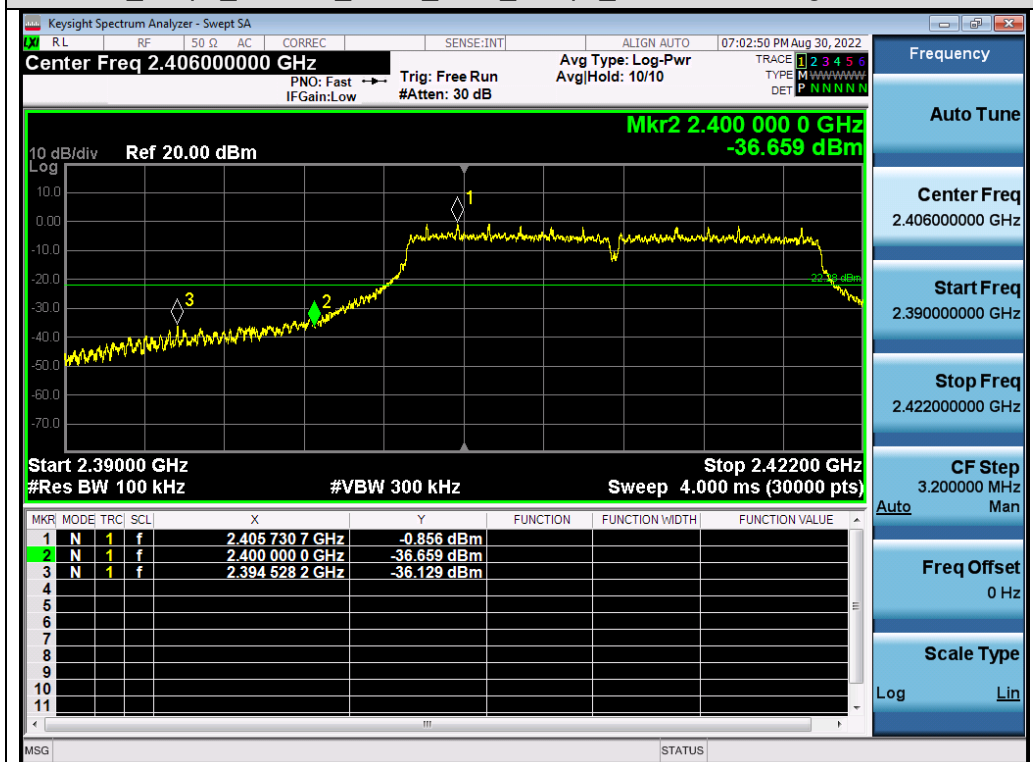
Test_Graph_802.11n40_ANT2_2452_MCS0_Higher Band Emissions

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Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

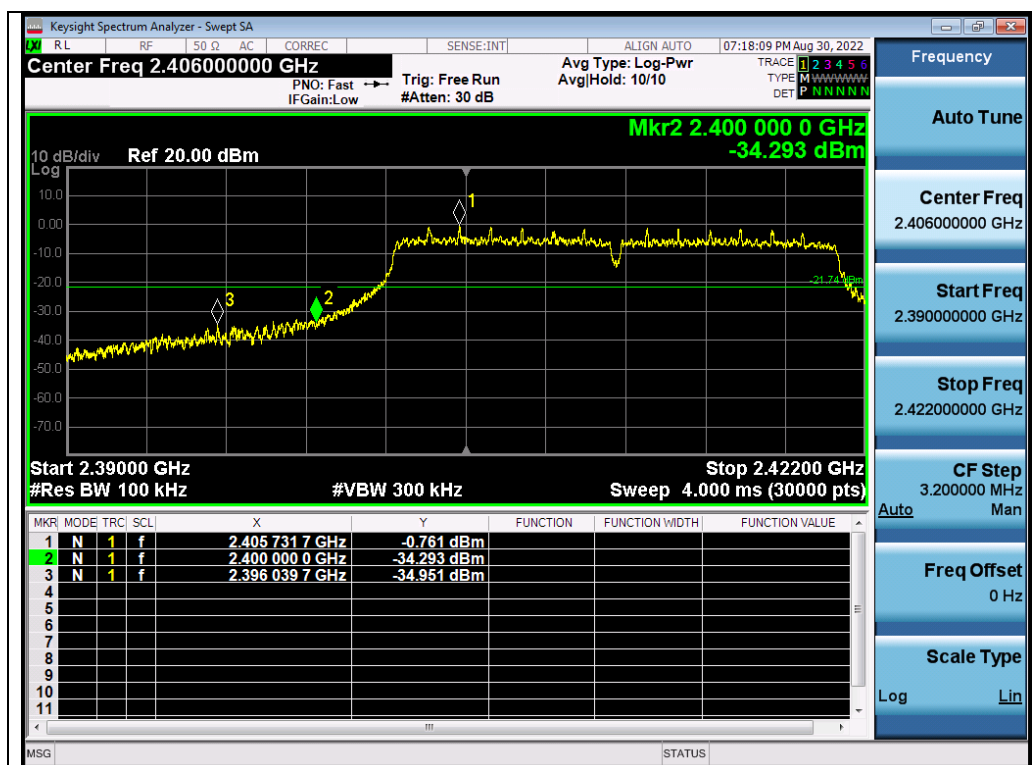


Test_Graph_802.11b_ANT2_2412_1Mbps_Lower Band Edge Emissions

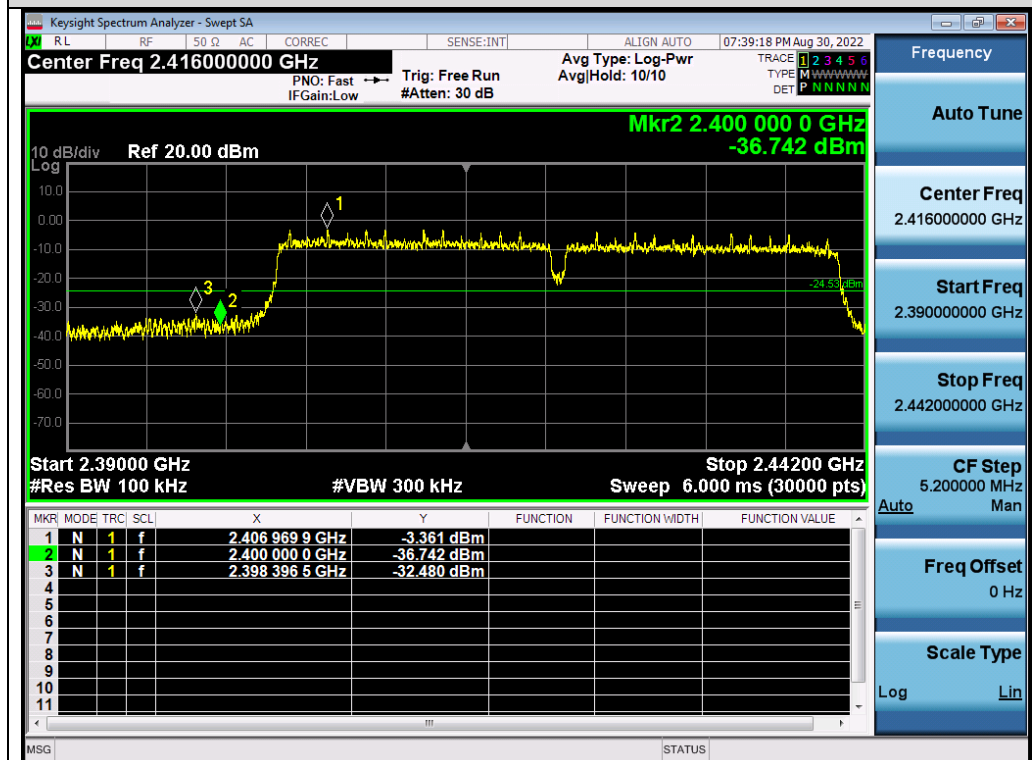


Test_Graph_802.11g_ANT2_2412_6Mbps_Lower Band Edge Emissions

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Test_Graph_802.11n20_ANT2_2412_MCS0_Lower Band Edge Emissions



Test_Graph_802.11n40_ANT2_2422_MCS0_Lower Band Edge Emissions

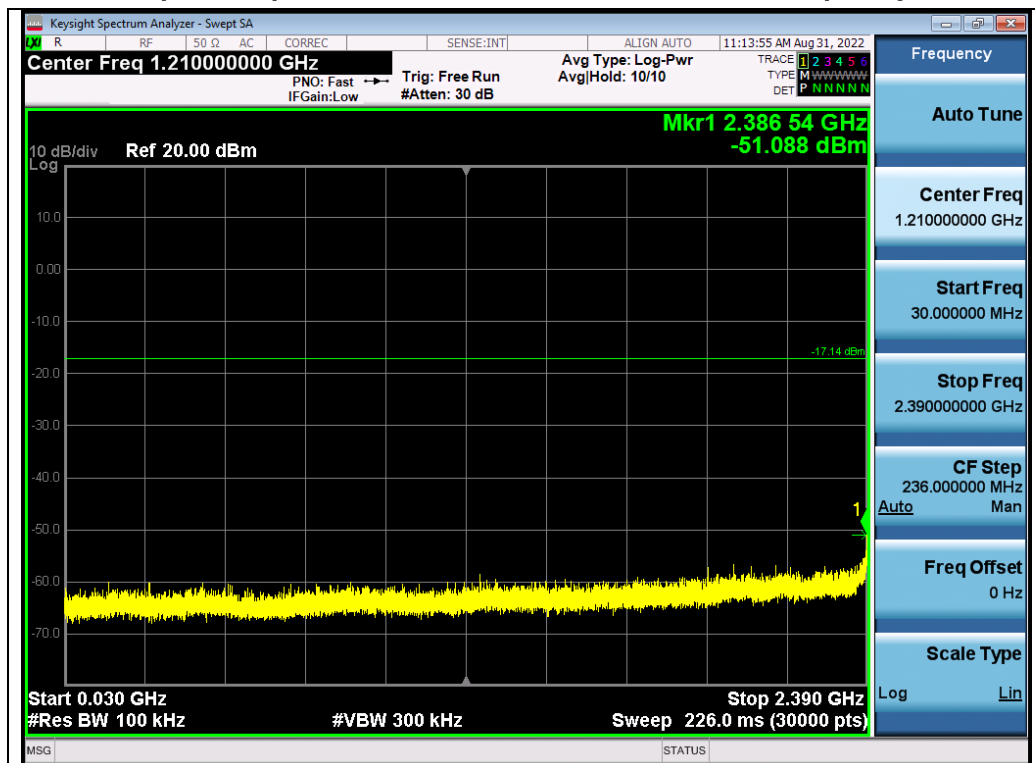
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Attestation of Global Compliance(Shenzhen)Co., Ltd

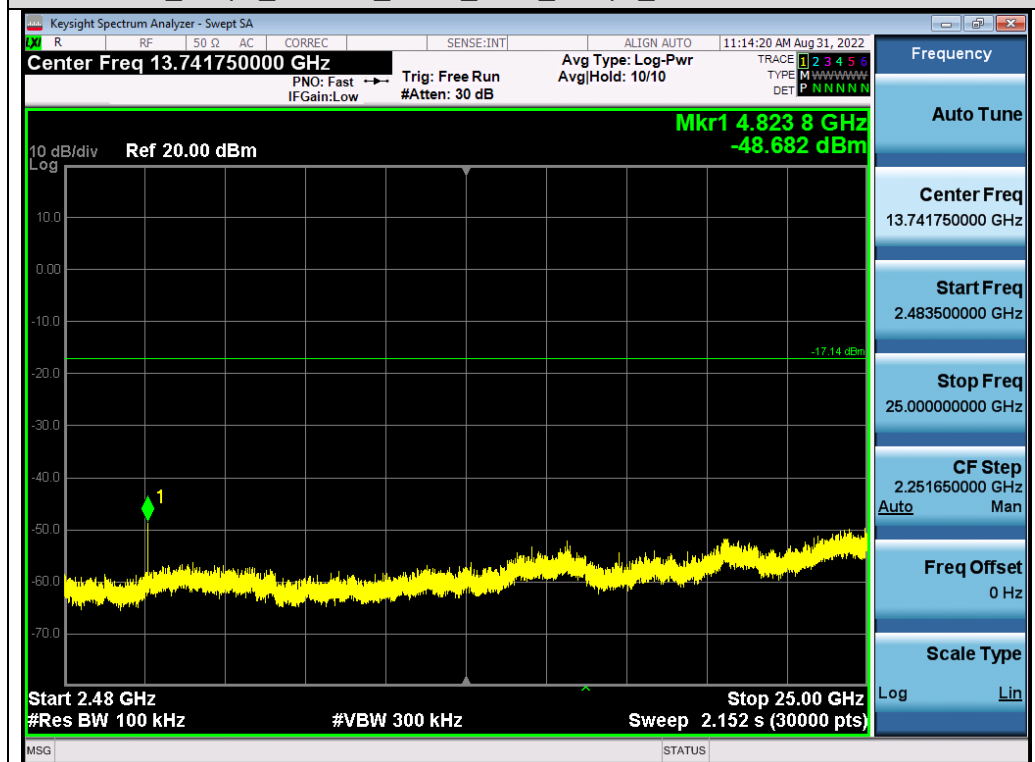
Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



Test_Graph_802.11b_ANT3_2412_1Mbps_Lower Band Emissions



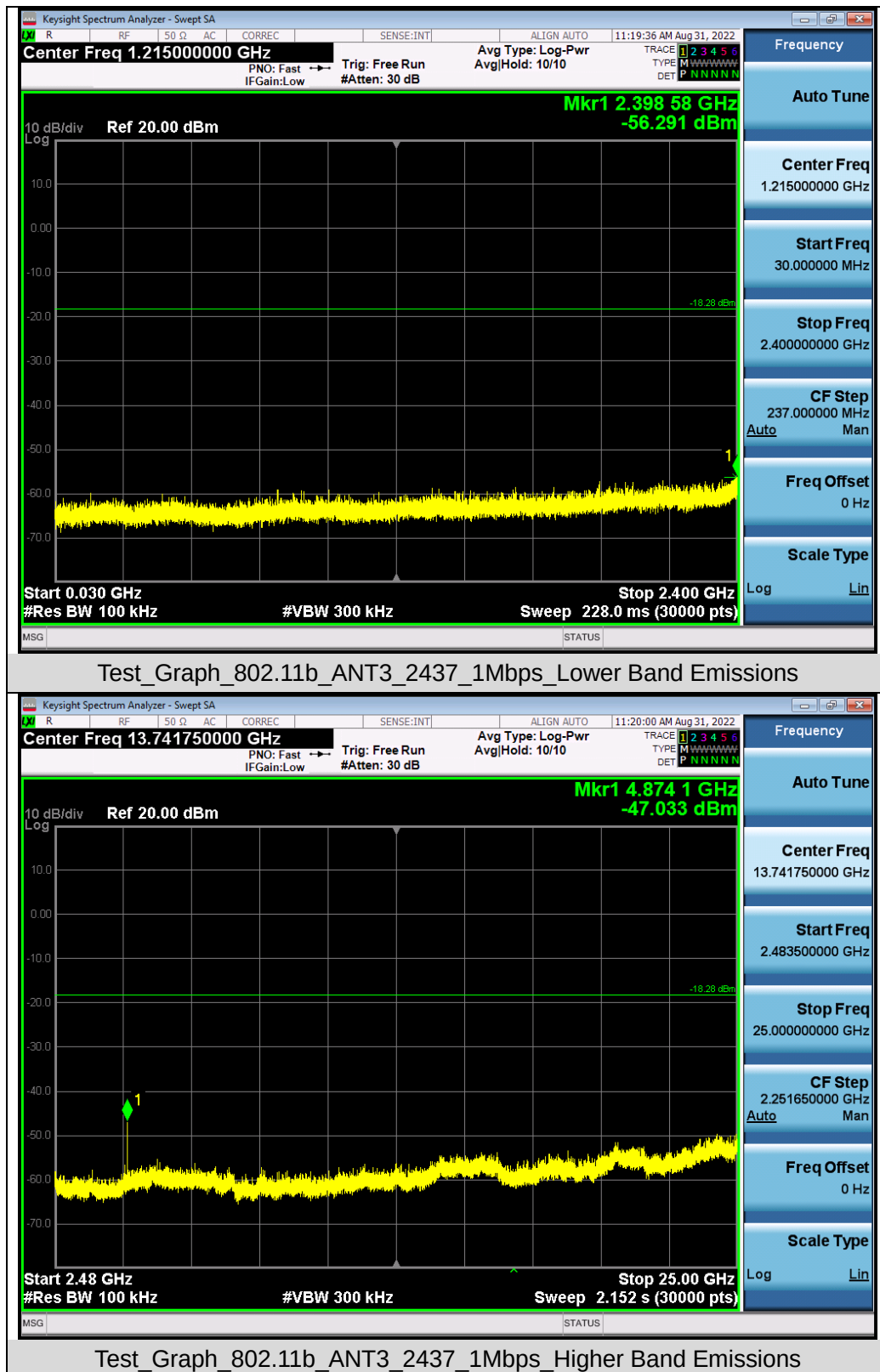
Test_Graph_802.11b_ANT3_2412_1Mbps_Higher Band Emissions

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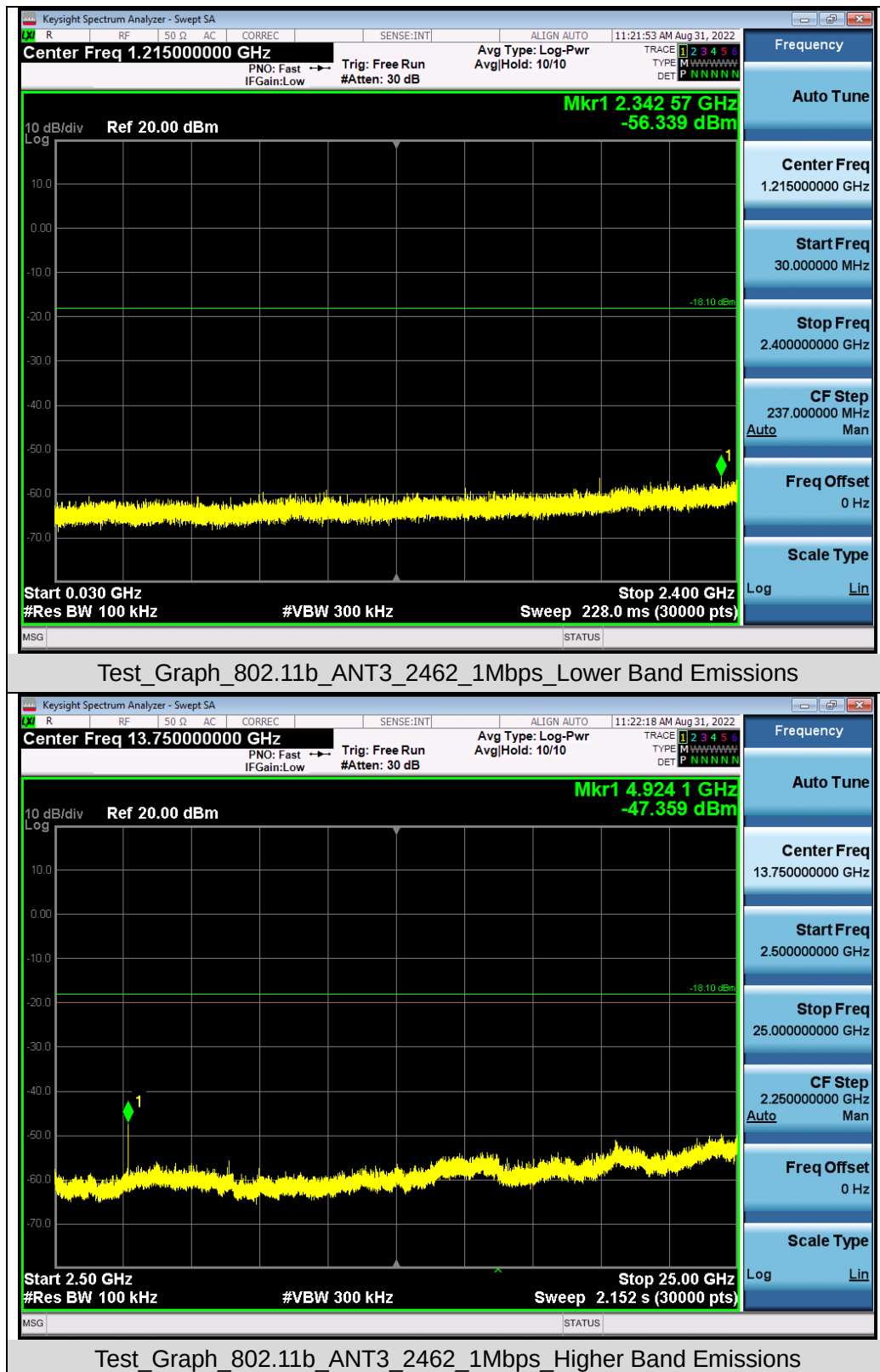
Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

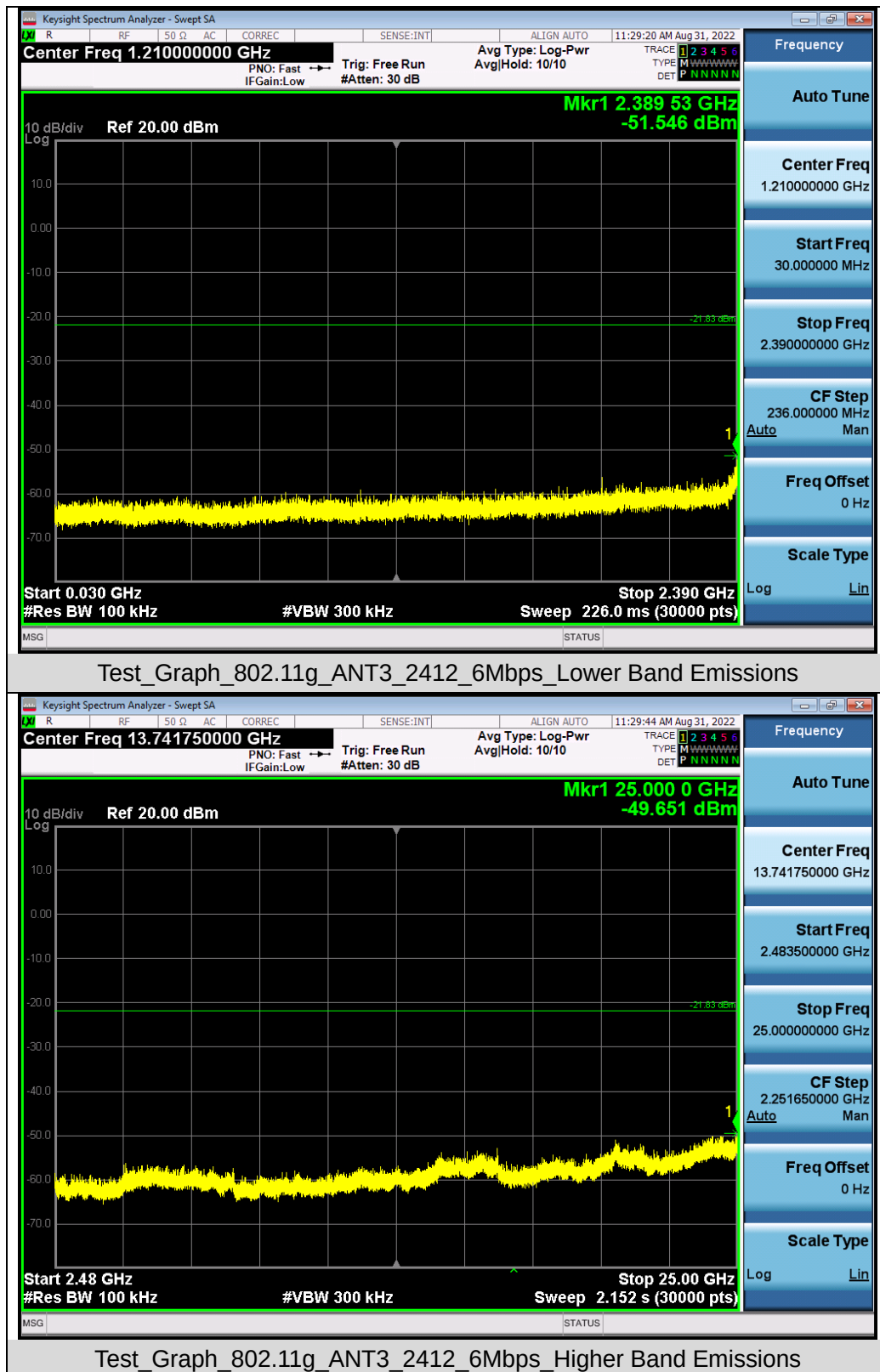
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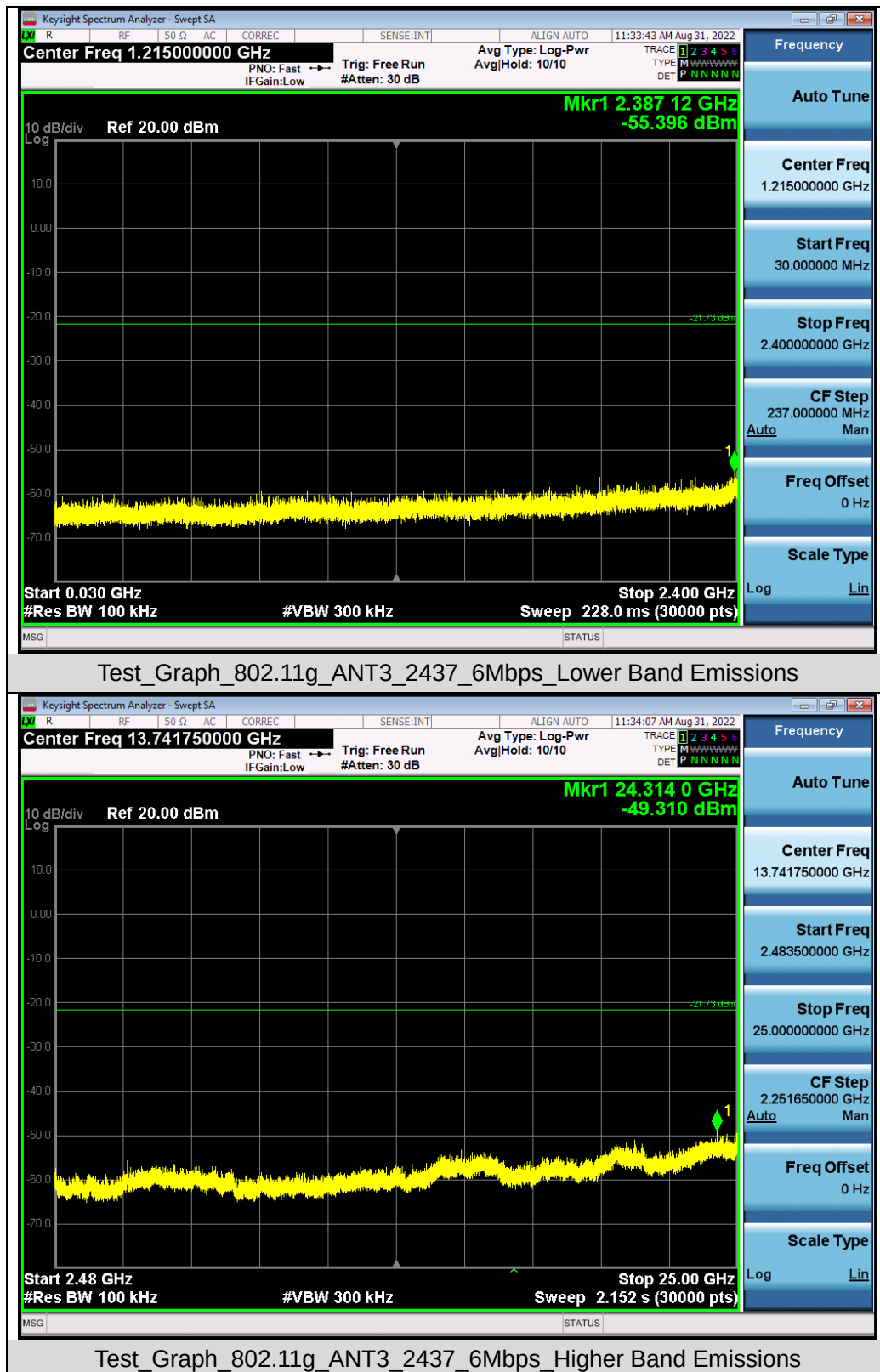
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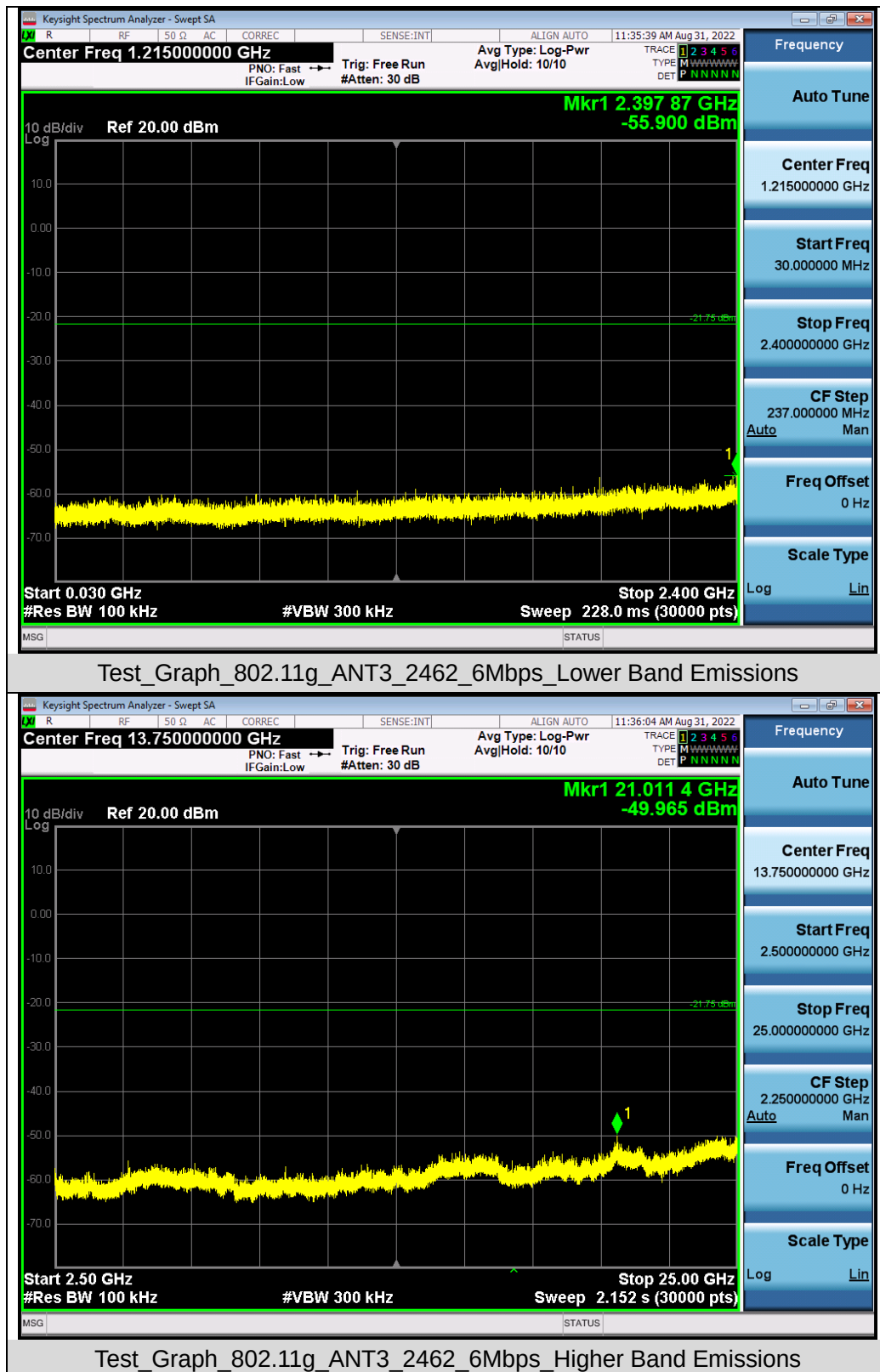
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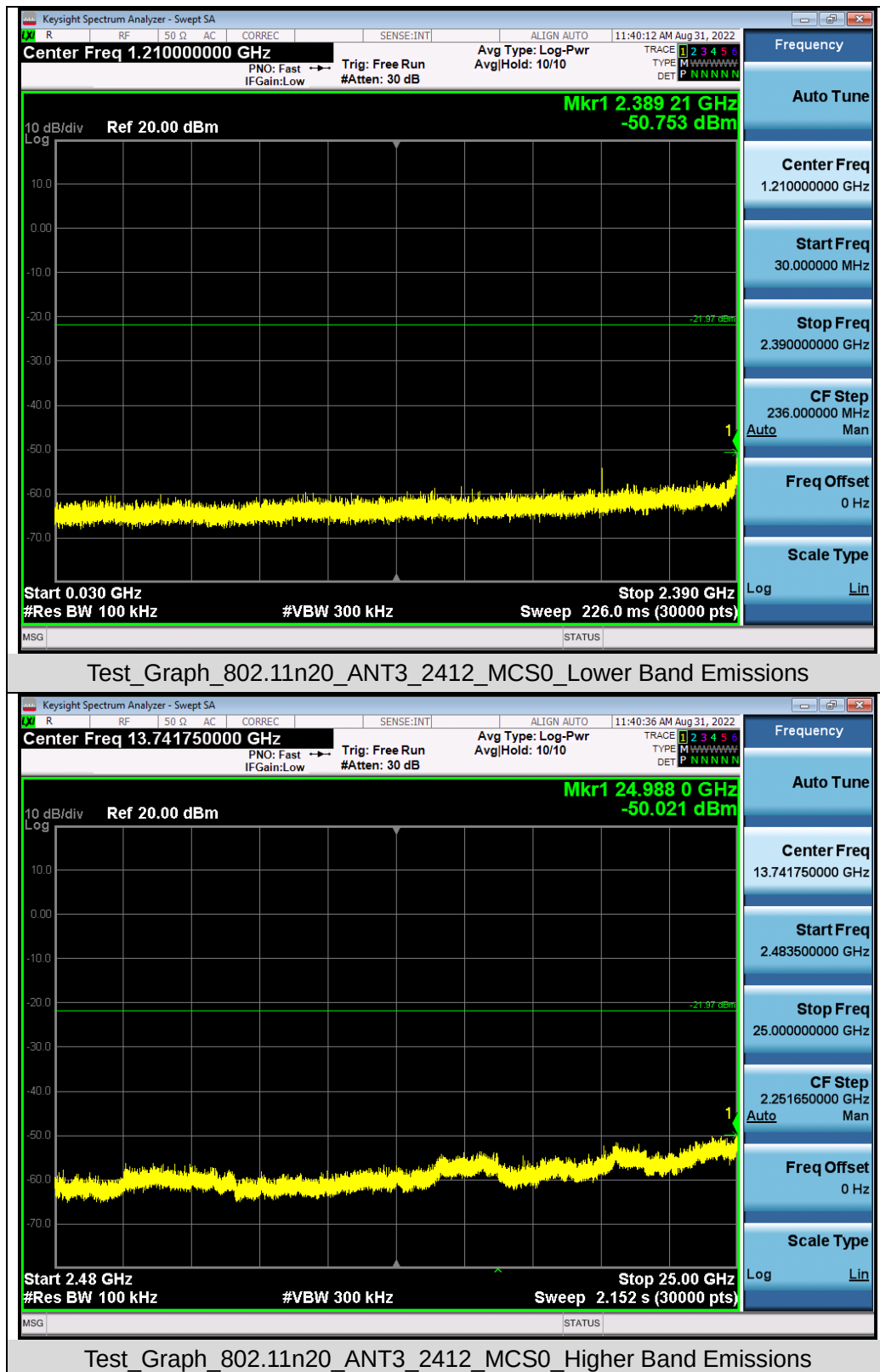
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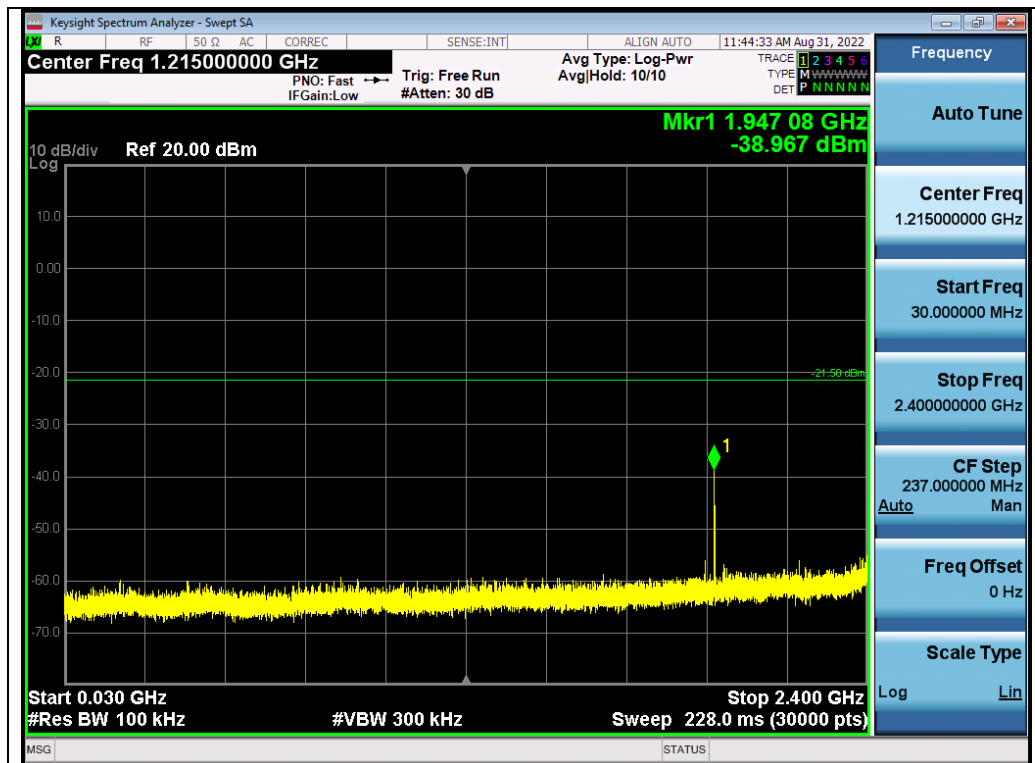
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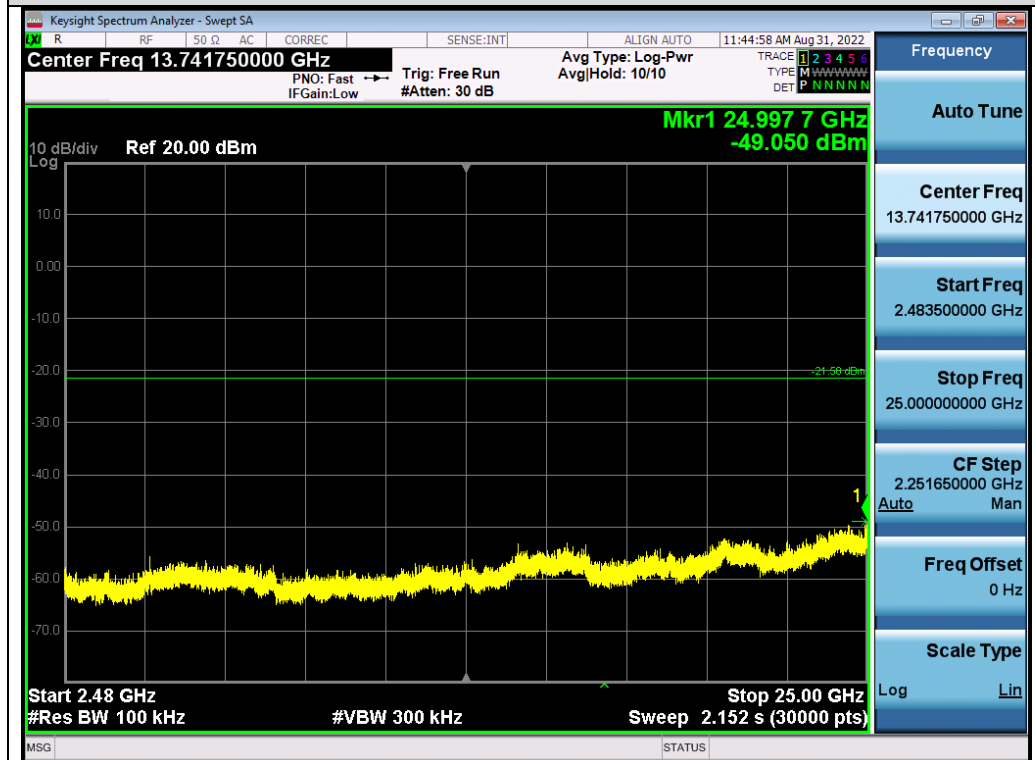
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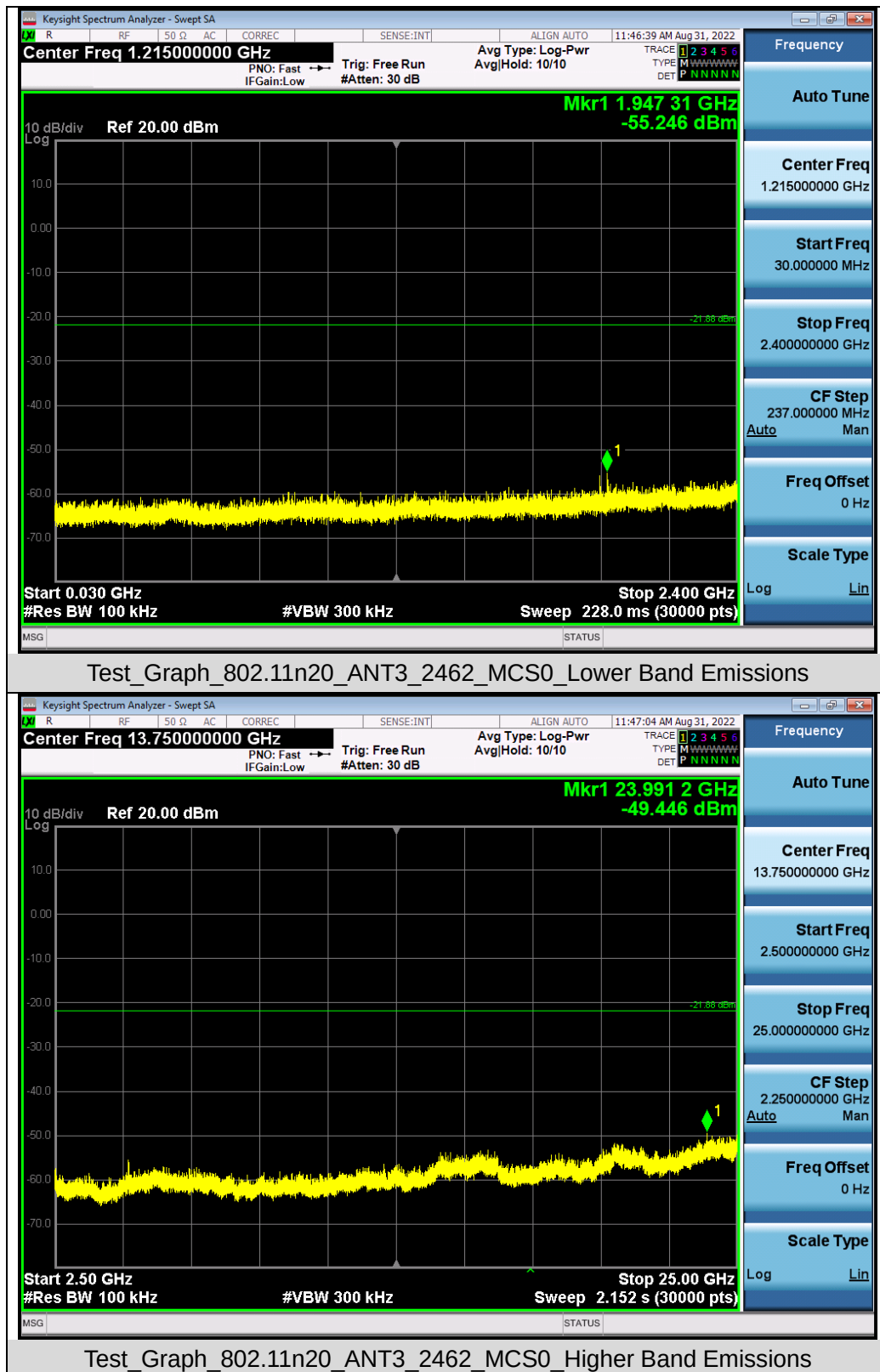


Test_Graph_802.11n20_ANT3_2437_MCS0_Lower Band Emissions

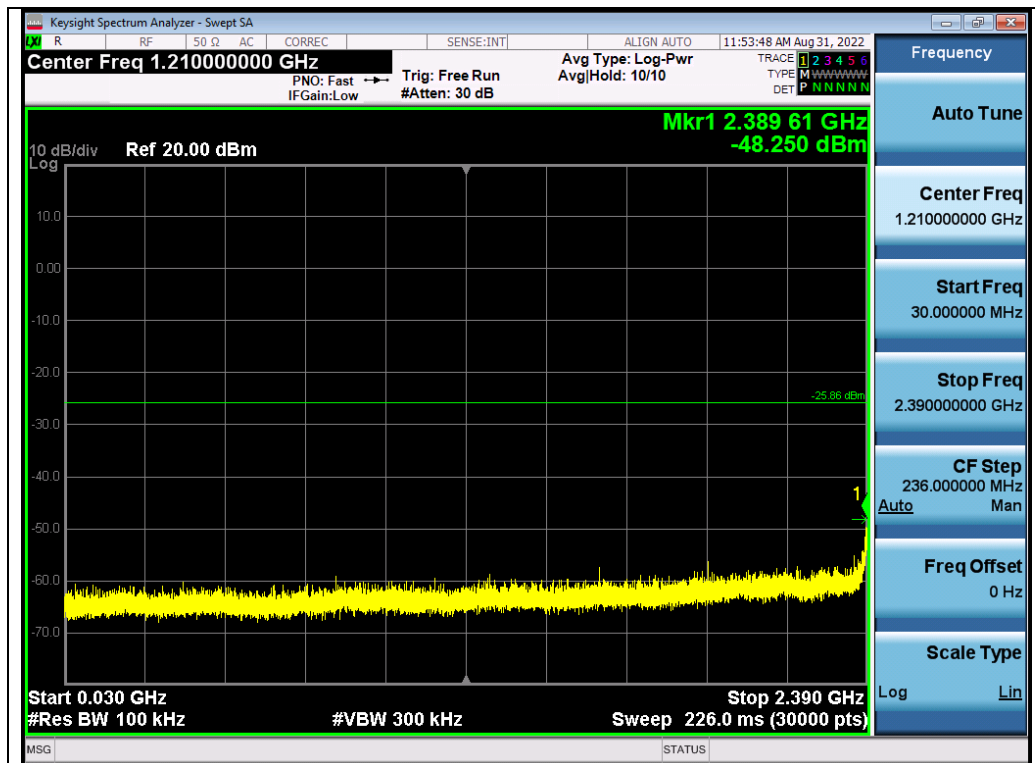


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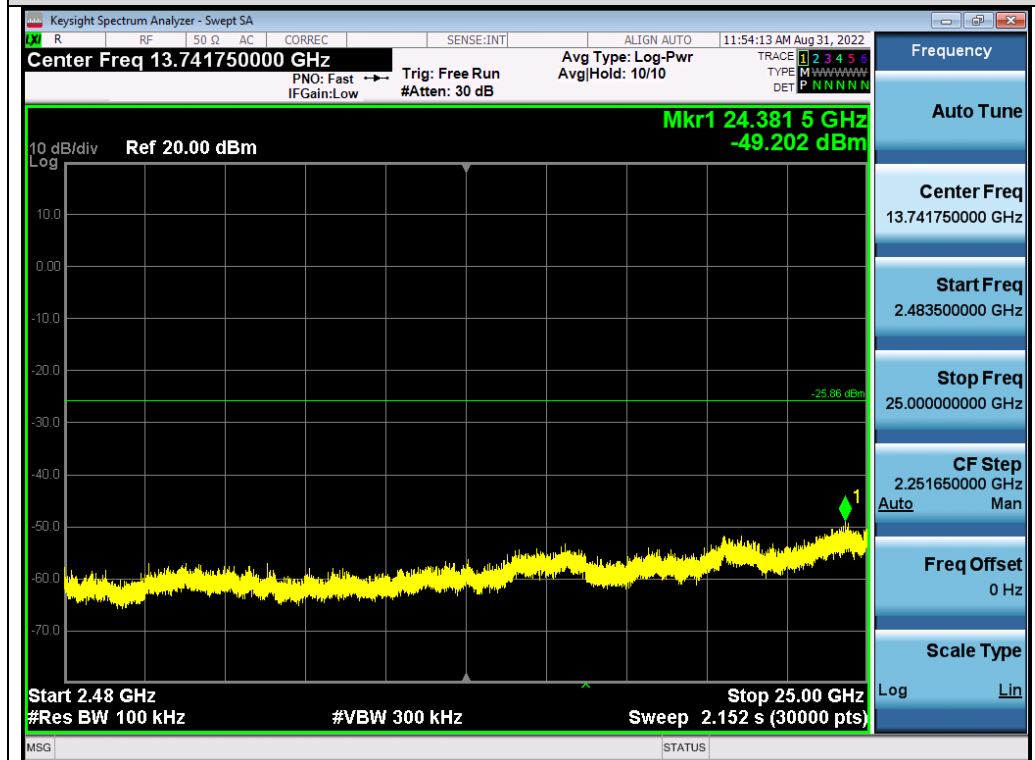
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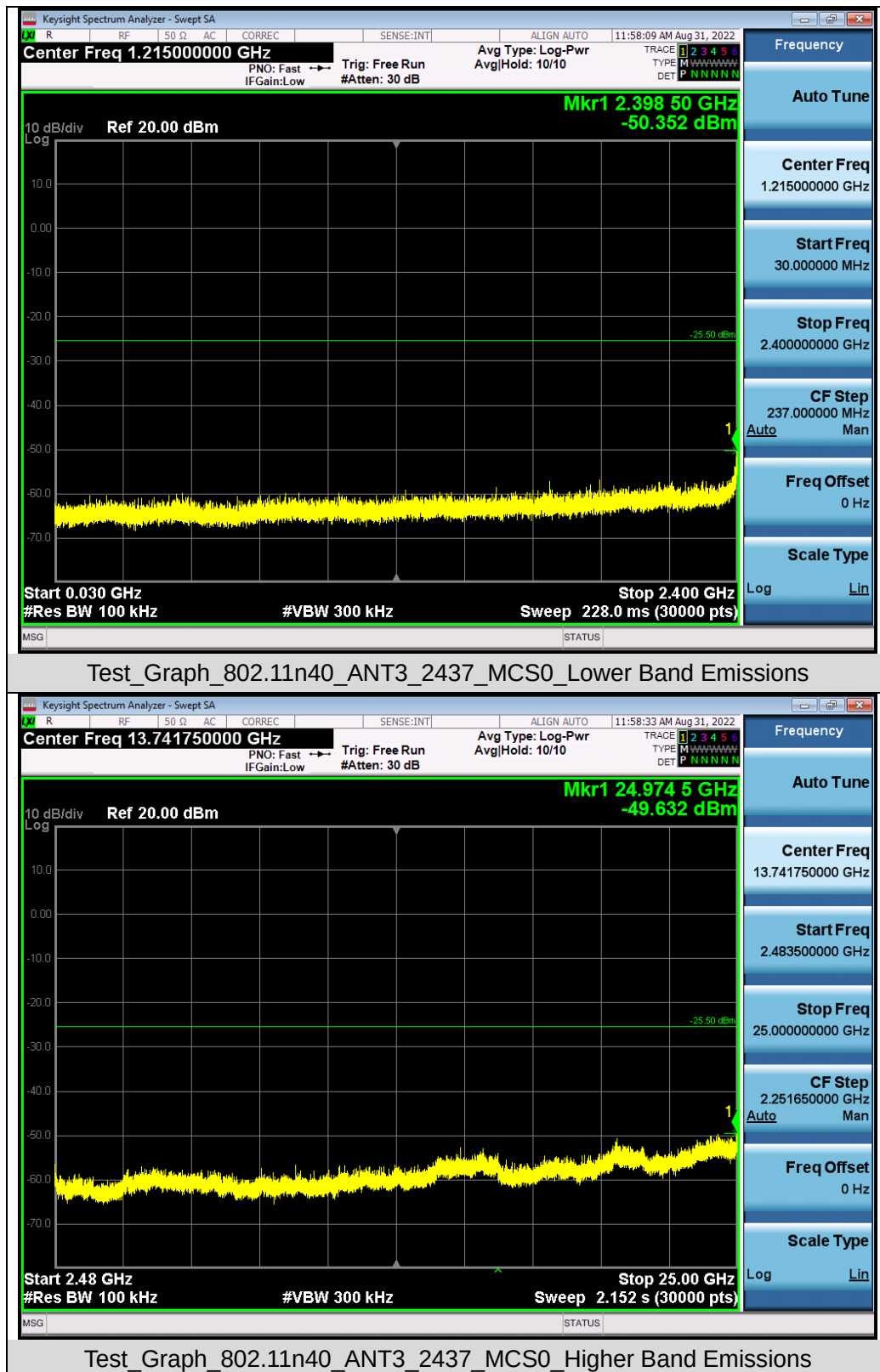


Test_Graph_802.11n40_ANT3_2422_MCS0_Lower Band Emissions

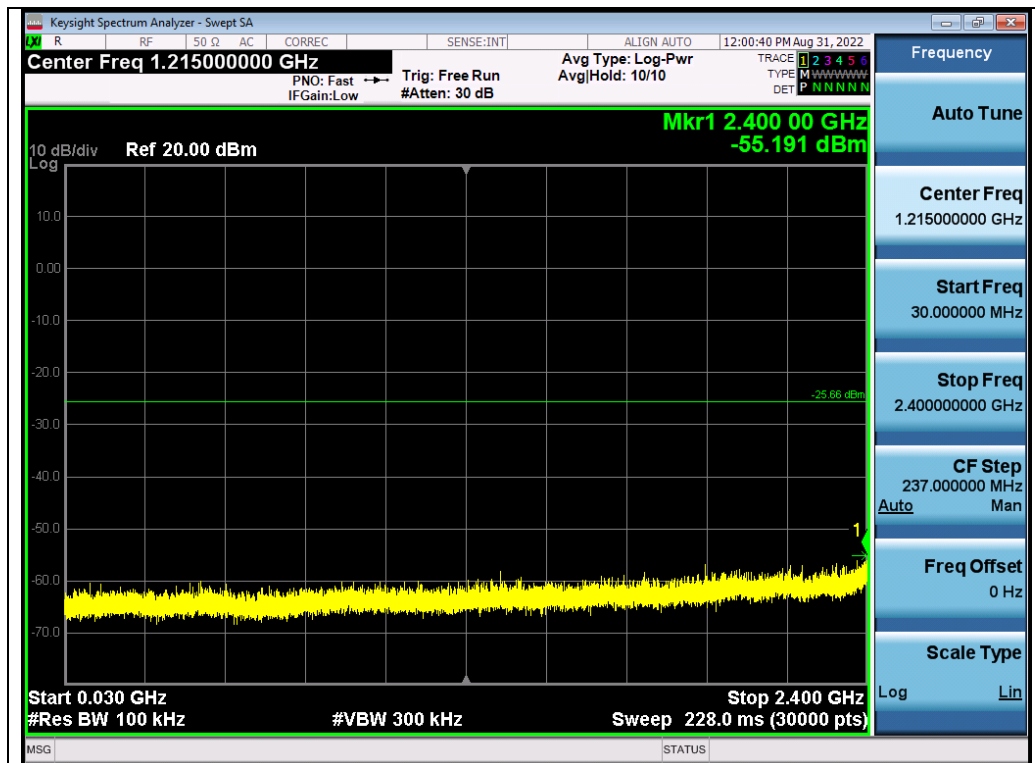


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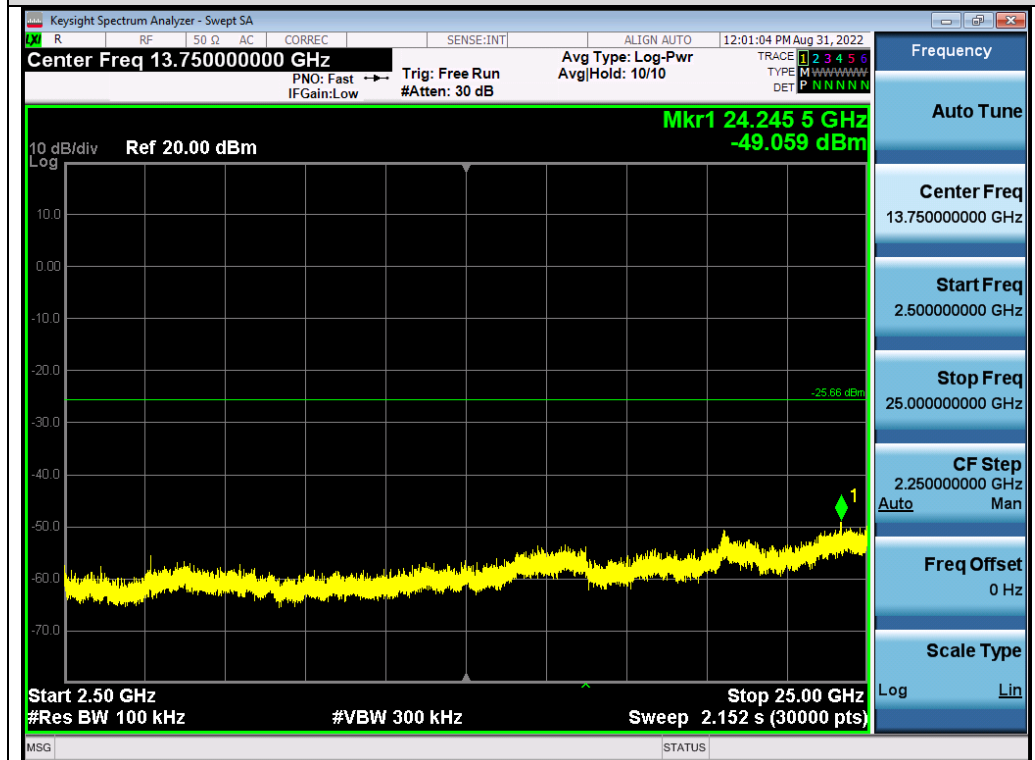
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Test_Graph_802.11n40_ANT3_2452_MCS0_Lower Band Emissions



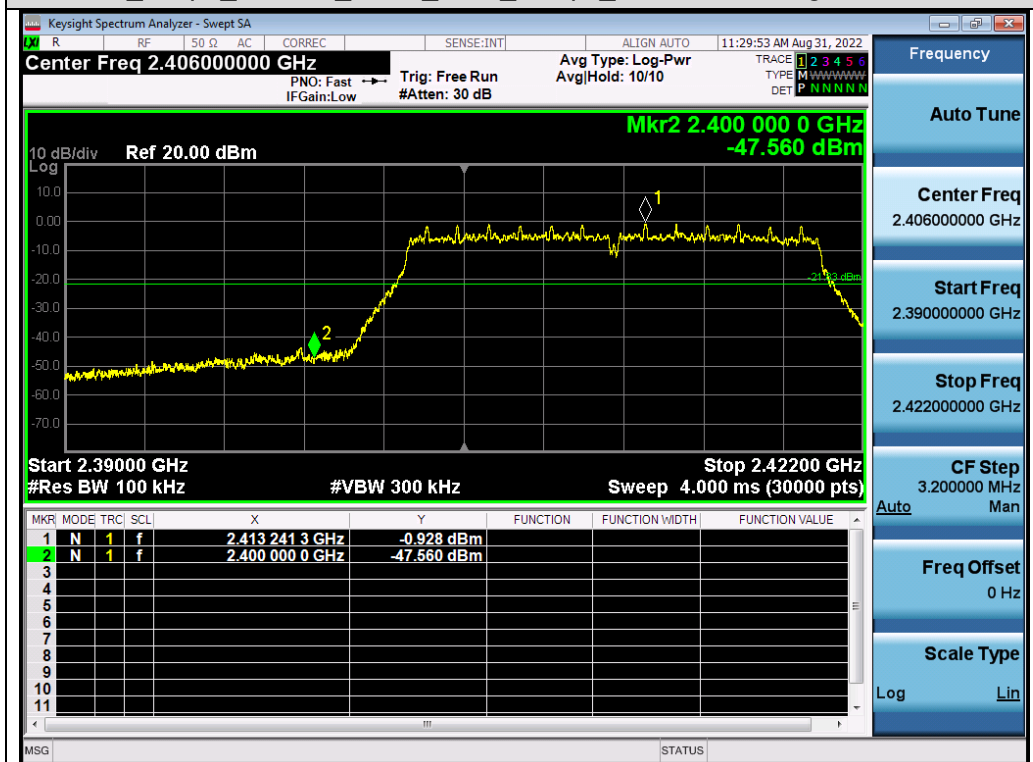
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Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

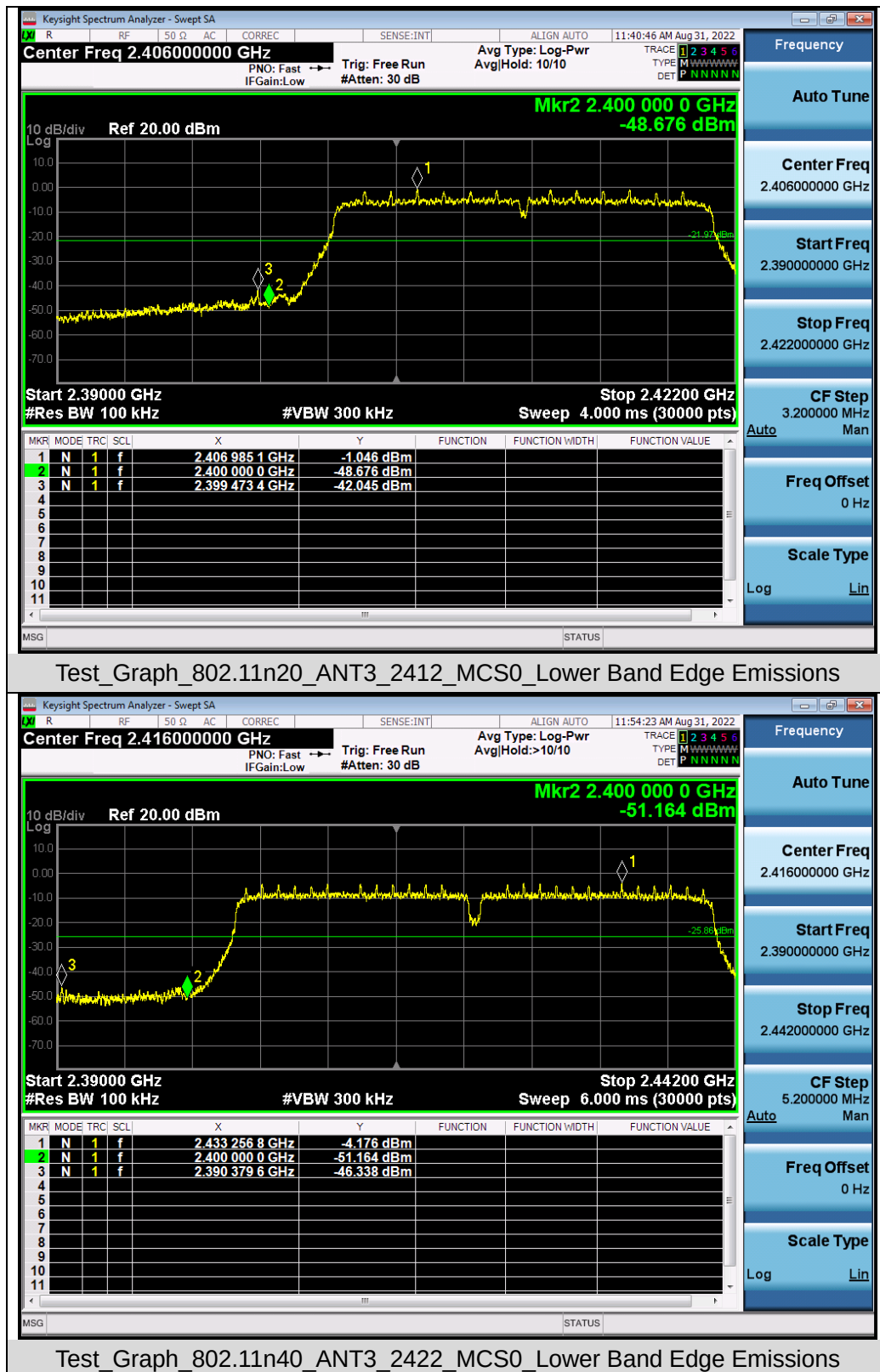


Test_Graph_802.11b_ANT3_2412_1Mbps_Lower Band Edge Emissions



Test_Graph_802.11g_ANT3_2412_6Mbps_Lower Band Edge Emissions

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Note: Emissions from 2483.5-2500MHz which fall in the restricted bands had been considered with the radiated emission limits specified.

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10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1 MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the ANSI C63.10 (2013) item 11.10 was used in this testing.

10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 8.2.

10.3 MEASUREMENT EQUIPMENT USED

Refer to Section 6.

10.4 LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power Spectral Density-ANT 1					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	-3.343	-11.582	≤ 8	Pass
	2437	-4.777	-13.016	≤ 8	Pass
	2462	-6.420	-14.659	≤ 8	Pass
802.11g	2412	-7.435	-15.674	≤ 8	Pass
	2437	-9.099	-17.338	≤ 8	Pass
	2462	-9.749	-17.988	≤ 8	Pass
802.11n20	2412	-7.179	-15.418	≤ 8	Pass
	2437	-9.583	-17.822	≤ 8	Pass
	2462	-10.165	-18.404	≤ 8	Pass
802.11n40	2422	-8.448	-16.687	≤ 8	Pass
	2437	-9.752	-17.991	≤ 8	Pass
	2452	-11.549	-19.788	≤ 8	Pass

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Test Data of Conducted Output Power Spectral Density-ANT 2					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	-3.795	-12.034	≤8	Pass
	2437	-5.861	-14.100	≤8	Pass
	2462	-6.889	-15.128	≤8	Pass
802.11g	2412	-6.843	-15.082	≤8	Pass
	2437	-8.800	-17.039	≤8	Pass
	2462	-10.058	-18.297	≤8	Pass
802.11n20	2412	-7.059	-15.298	≤8	Pass
	2437	-8.480	-16.719	≤8	Pass
	2462	-10.345	-18.584	≤8	Pass
802.11n40	2422	-9.463	-17.702	≤8	Pass
	2437	-10.629	-18.868	≤8	Pass
	2452	-11.894	-20.133	≤8	Pass

Test Data of Conducted Output Power Spectral Density-ANT 3					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	-1.139	-9.378	≤8	Pass
	2437	-0.661	-8.900	≤8	Pass
	2462	-1.118	-9.357	≤8	Pass
802.11g	2412	-6.716	-14.955	≤8	Pass
	2437	-7.109	-15.348	≤8	Pass
	2462	-7.070	-15.309	≤8	Pass
802.11n20	2412	-7.220	-15.459	≤8	Pass
	2437	-6.382	-14.621	≤8	Pass
	2462	-6.544	-14.783	≤8	Pass
802.11n40	2422	-10.237	-18.476	≤8	Pass
	2437	-9.546	-17.785	≤8	Pass
	2452	-9.758	-17.997	≤8	Pass

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Test Data of Conducted Output Power Spectral Density-ANT 1+2+3					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11n20	2412	-2.38	-10.62	≤ 4.38	Pass
	2437	-3.17	-11.41	≤ 4.38	Pass
	2462	-3.87	-12.11	≤ 4.38	Pass
802.11n40	2422	-4.55	-12.79	≤ 4.38	Pass
	2437	-5.18	-13.42	≤ 4.38	Pass
	2452	-6.19	-14.43	≤ 4.38	Pass

Note:

1. Power density(dBm/3kHz) = Power density(dBm/20kHz) – $10 \cdot \log(20/3)$.
2. The Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}$ (dBm/500kHz)

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Test Graphs of Conducted Output Power Spectral Density

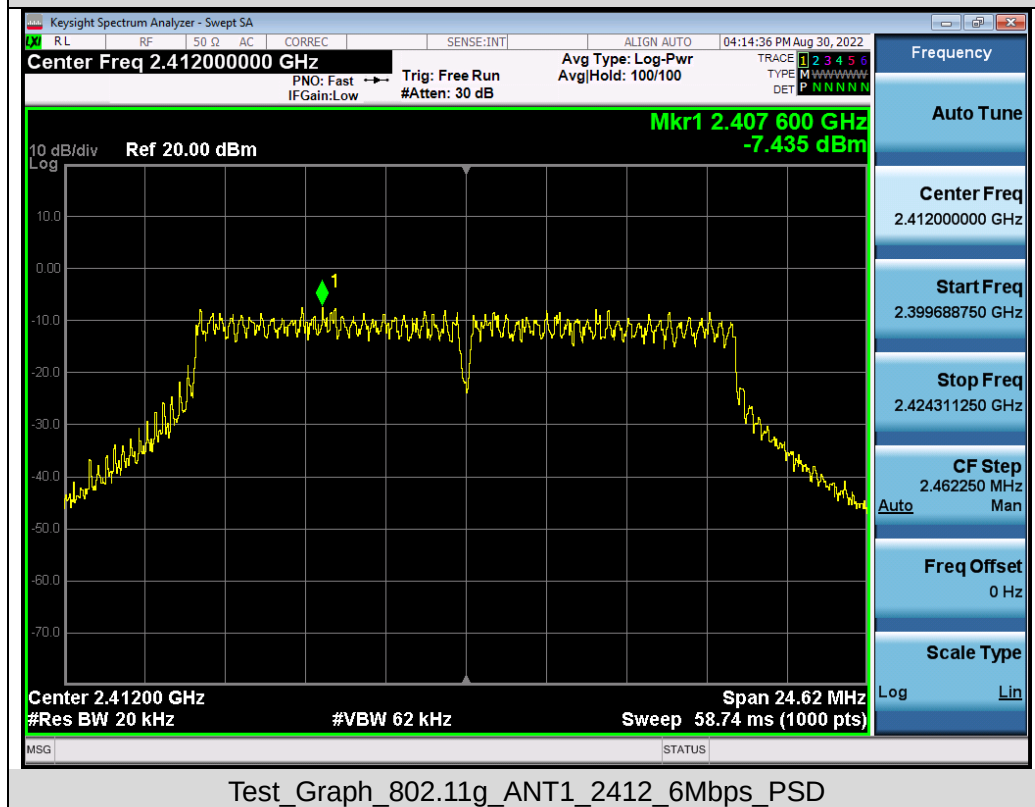


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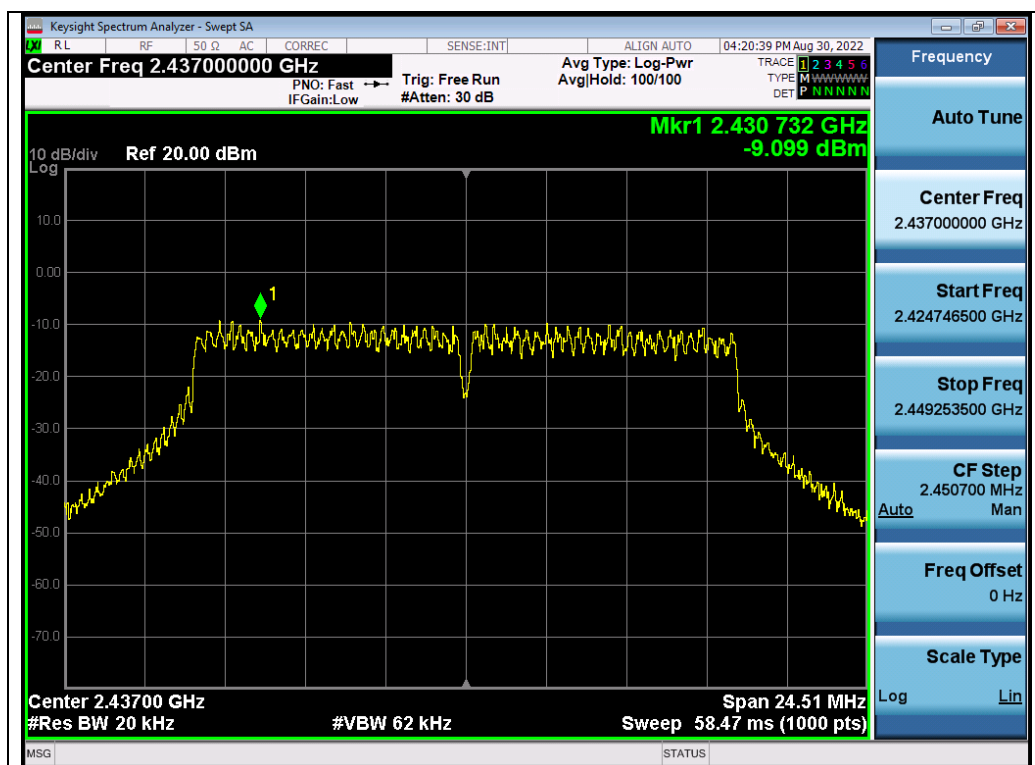
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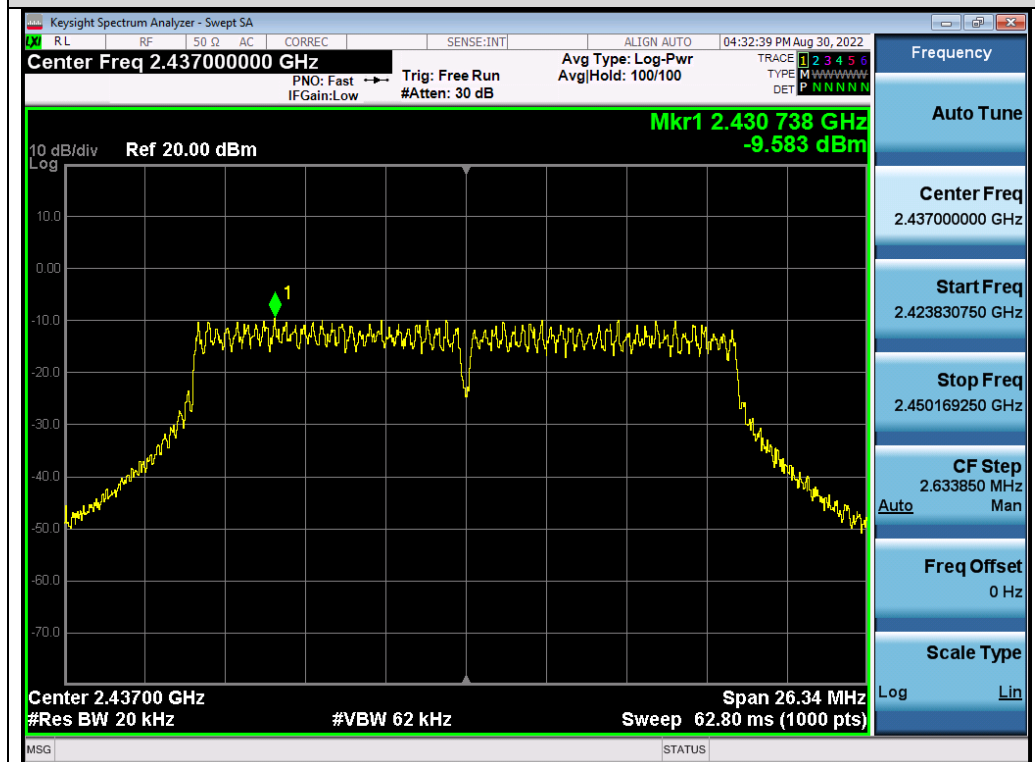
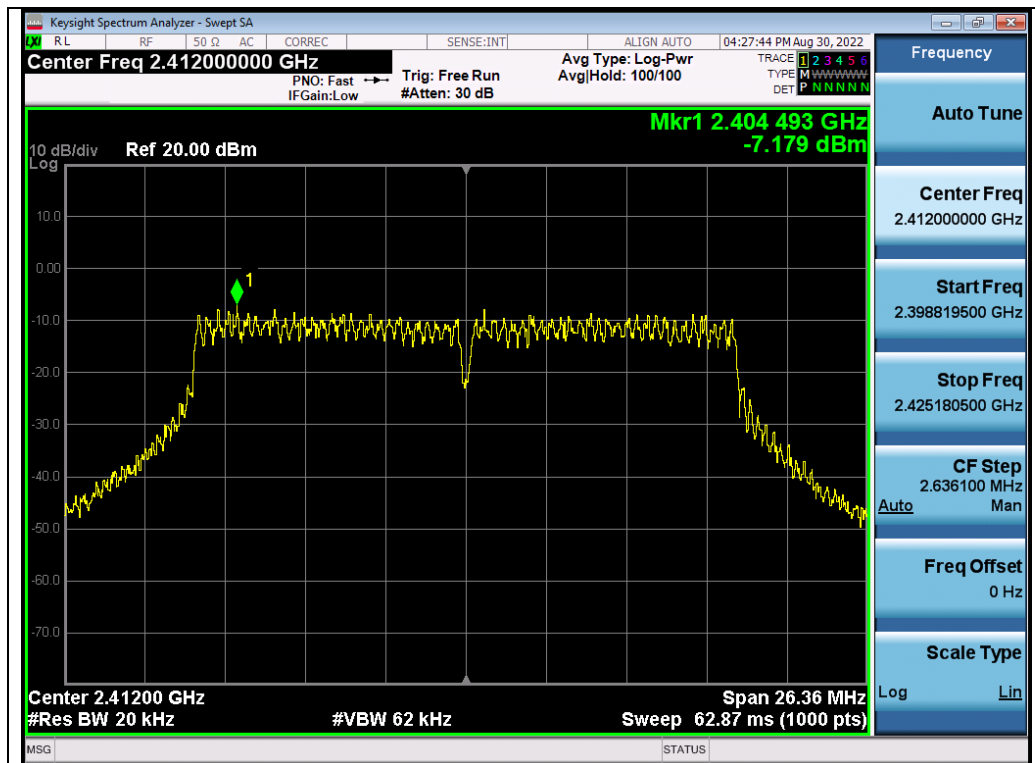
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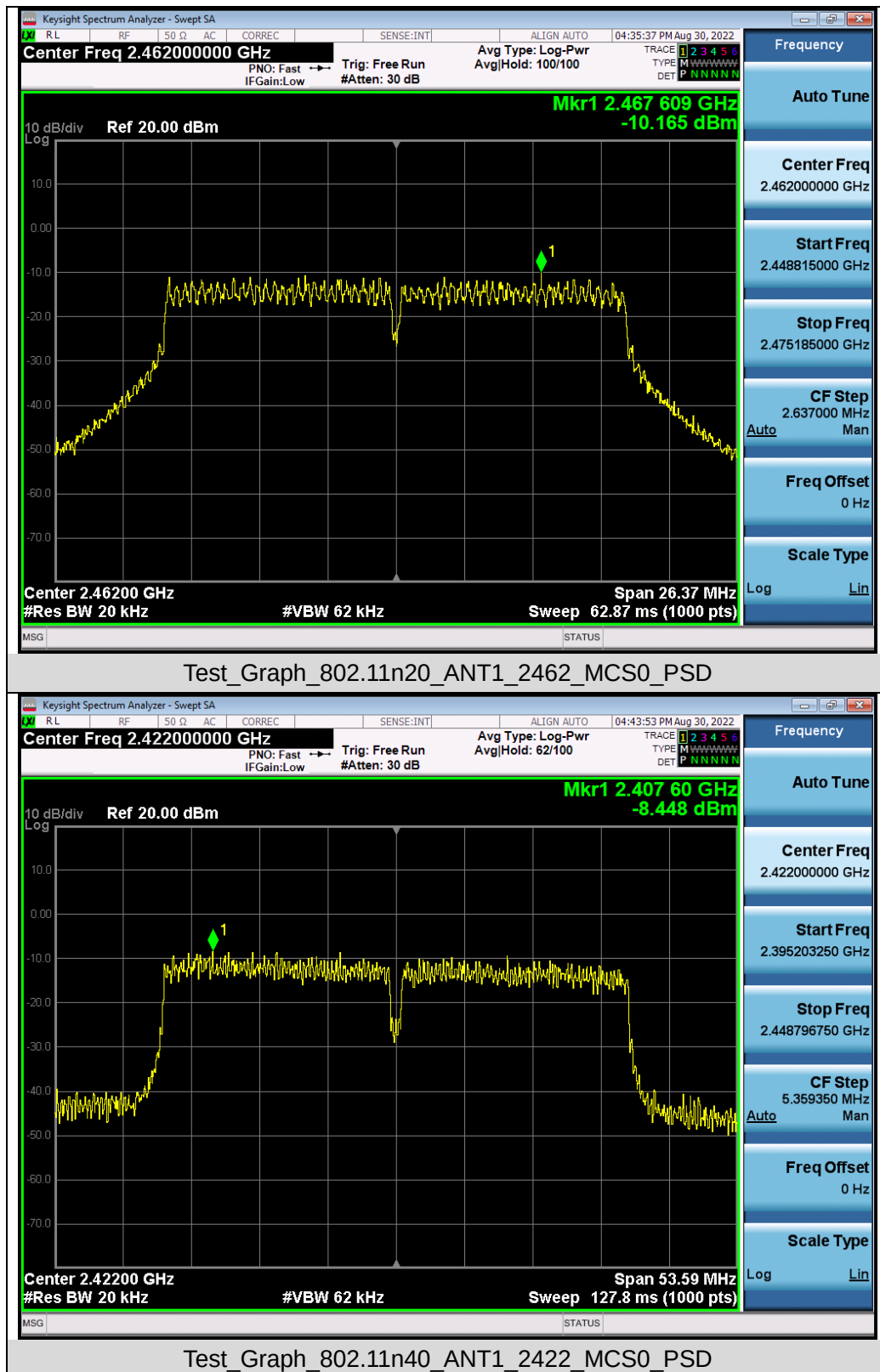


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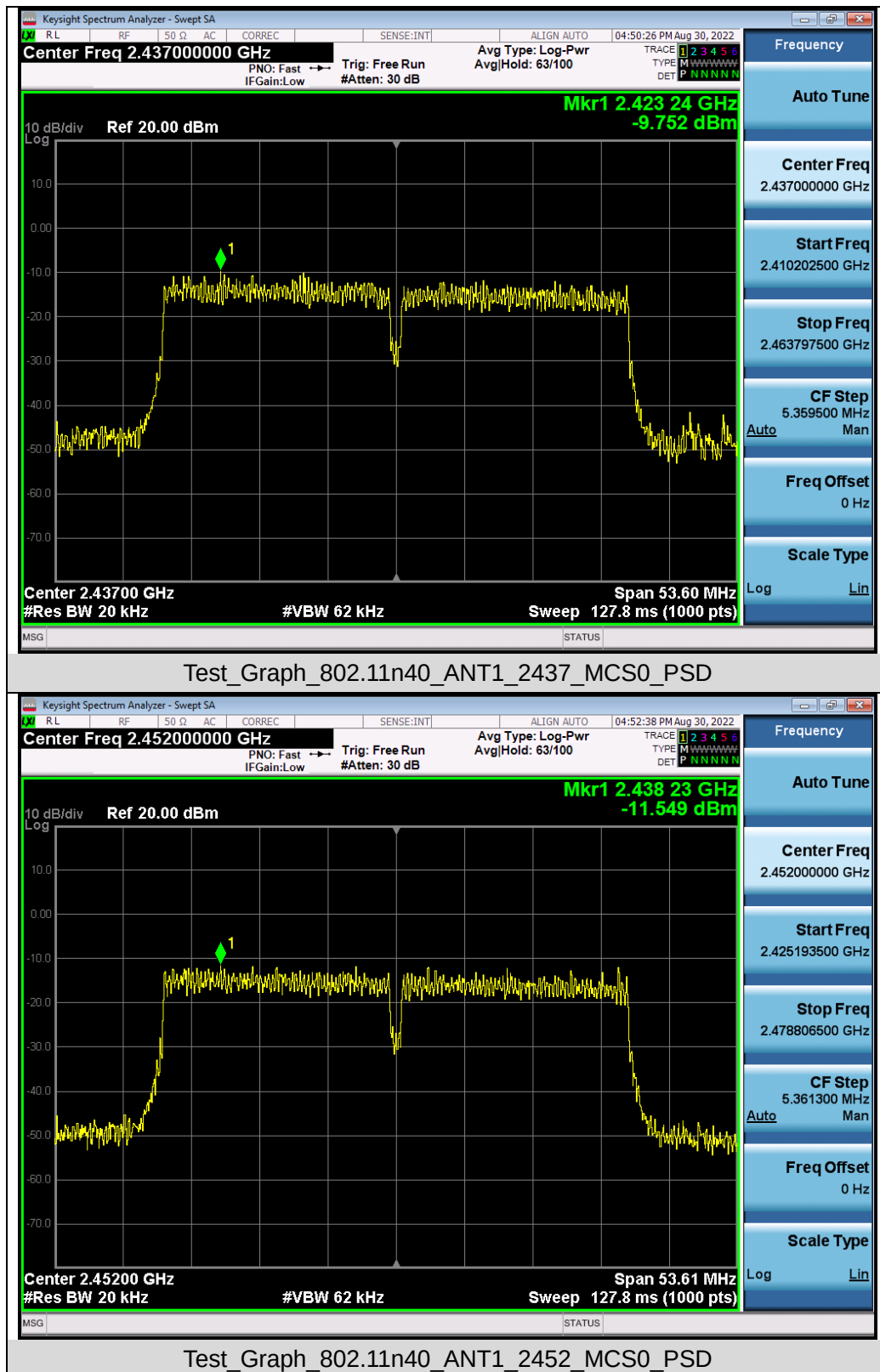
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