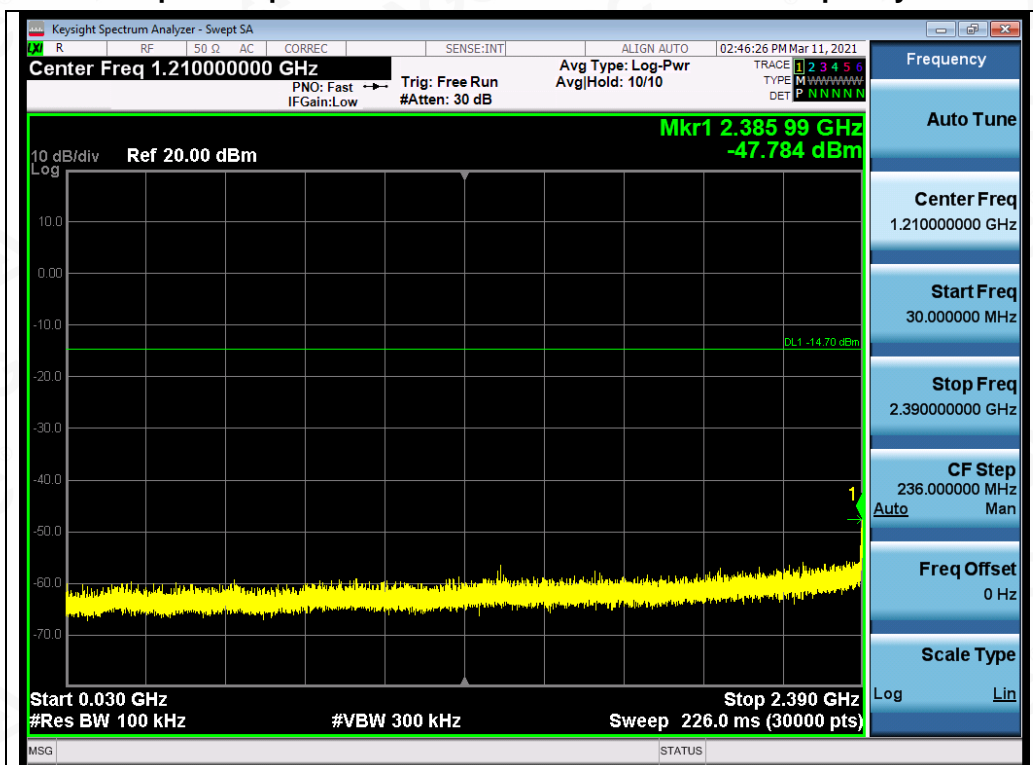


### Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



Test\_Graph\_802.11b\_ANT1\_2412\_1Mbps\_Lower Band Emissions

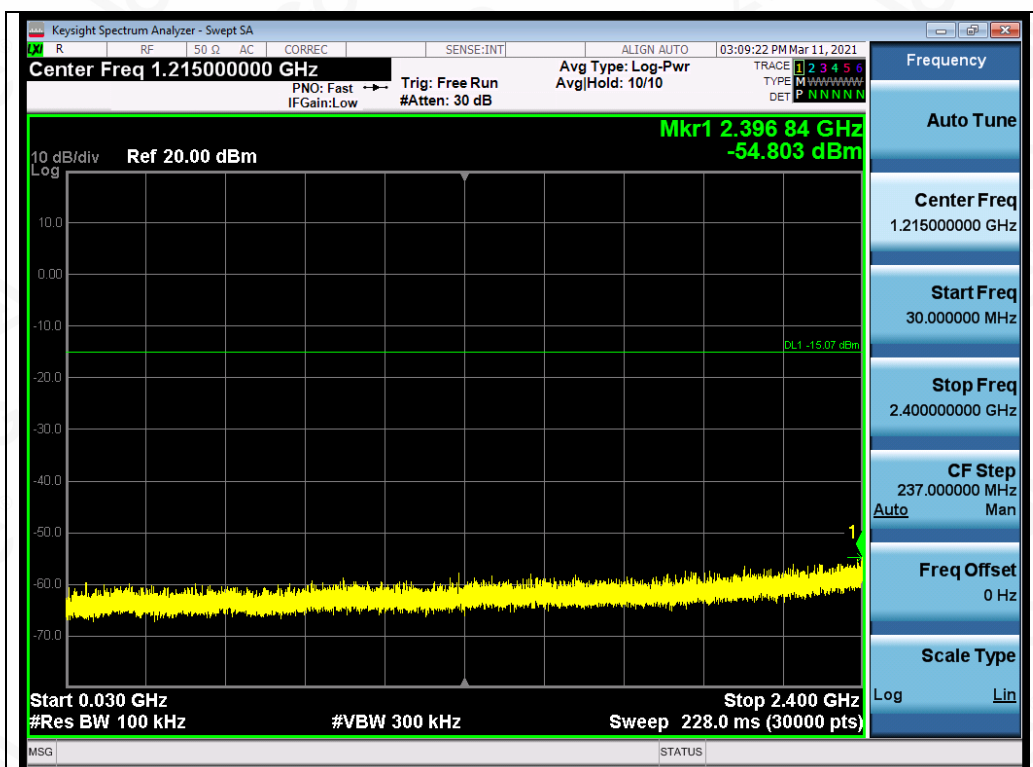


Test\_Graph\_802.11b\_ANT1\_2412\_1Mbps\_Higher Band Emissions

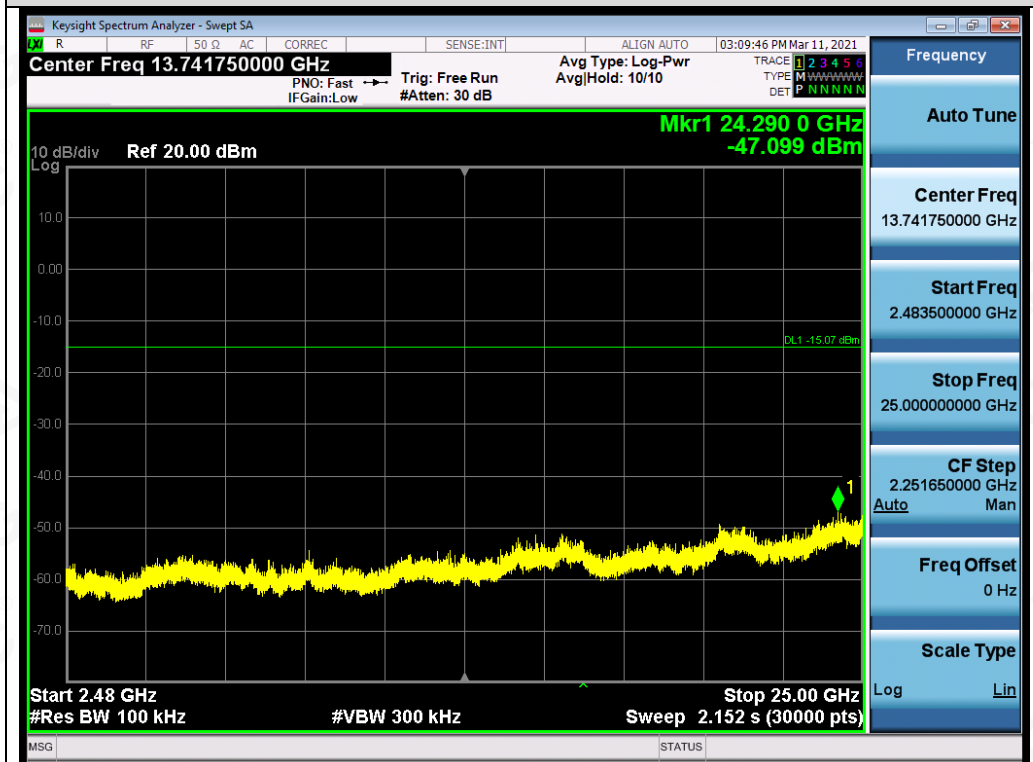
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Test\_Graph\_802.11b\_ANT1\_2437\_1Mbps\_Lower Band Emissions

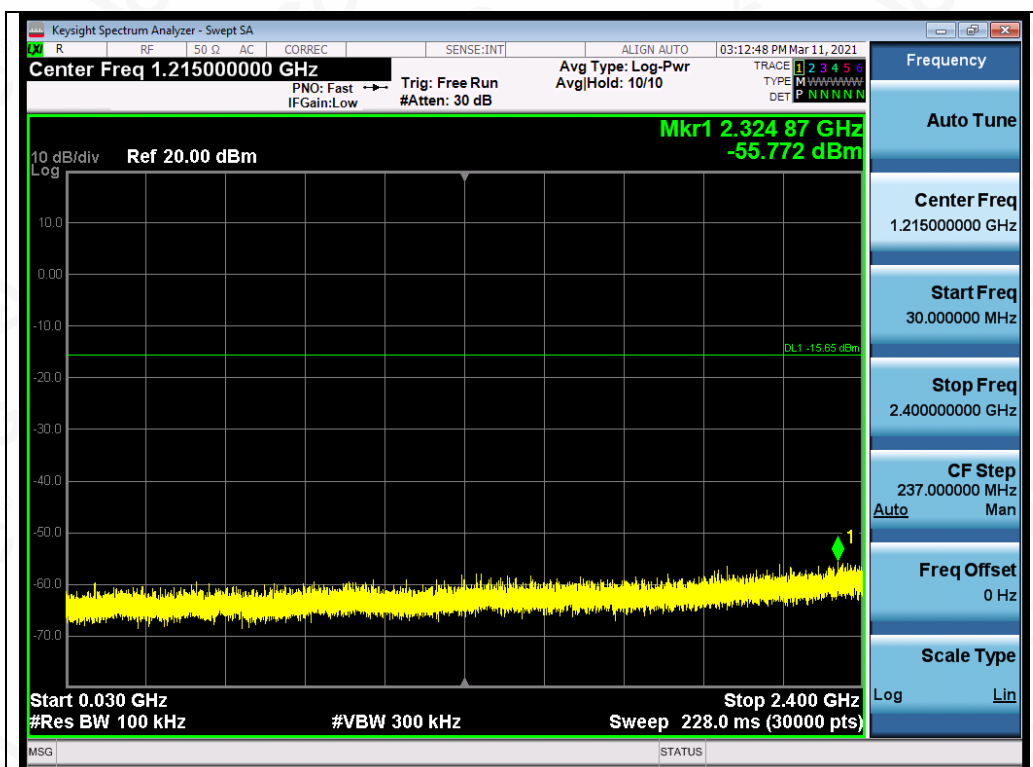


Test\_Graph\_802.11b\_ANT1\_2437\_1Mbps\_Higher Band Emissions

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Test\_Graph\_802.11b\_ANT1\_2462\_1Mbps\_Lower Band Emissions

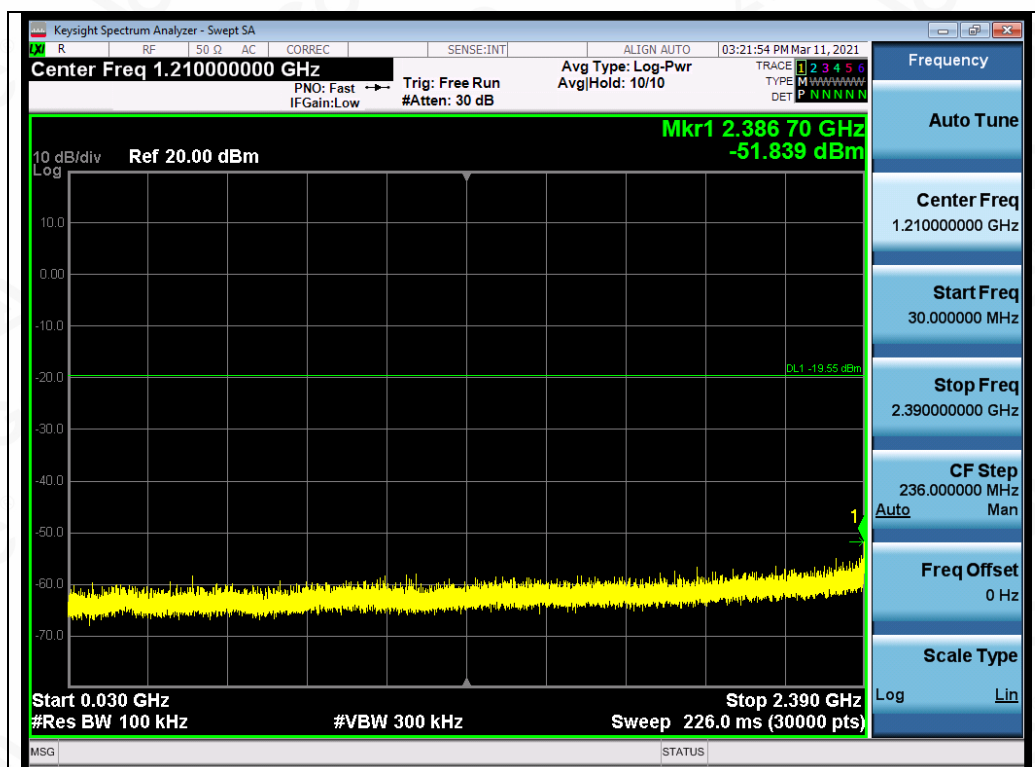


Test\_Graph\_802.11b\_ANT1\_2462\_1Mbps\_Higher Band Emissions

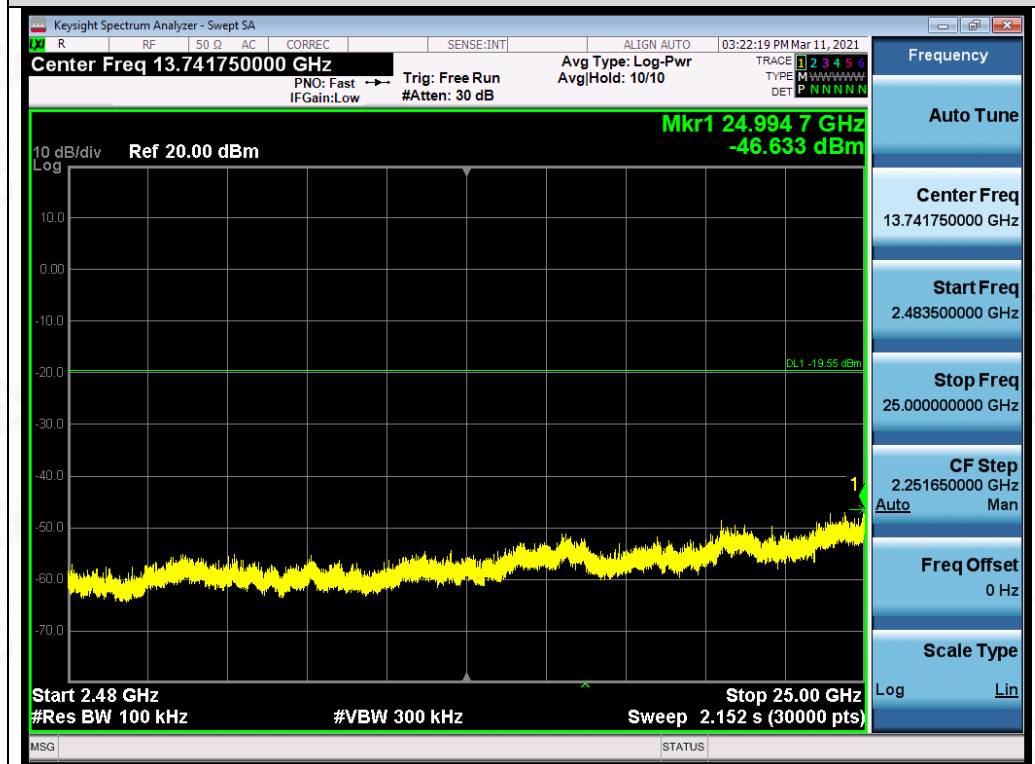
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Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_Lower Band Emissions



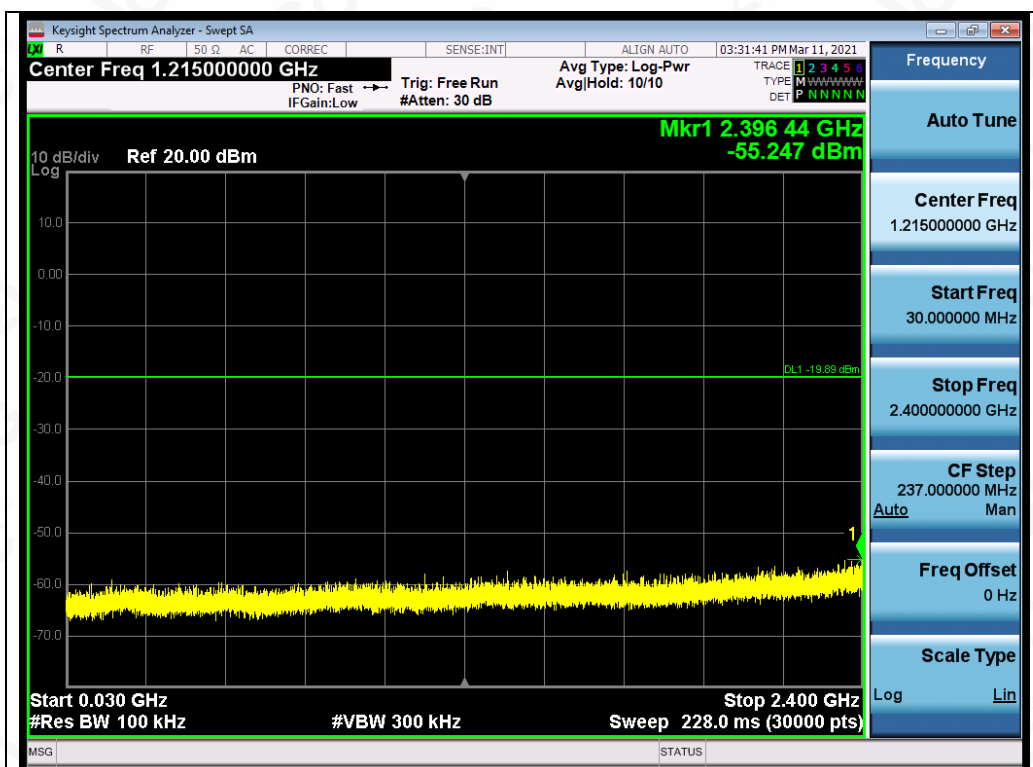
Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_Higher Band Emissions

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Test\_Graph\_802.11g\_ANT1\_2437\_6Mbps\_Lower Band Emissions

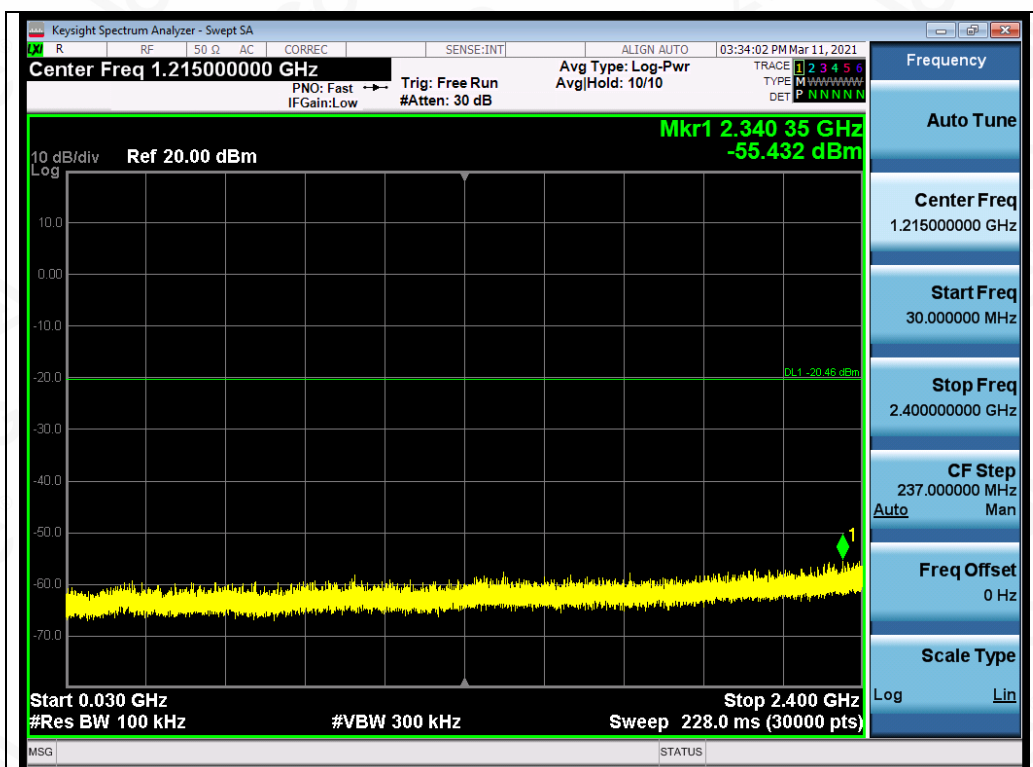


Test\_Graph\_802.11g\_ANT1\_2437\_6Mbps\_Higher Band Emissions

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Test\_Graph\_802.11g\_ANT1\_2462\_6Mbps\_Lower Band Emissions

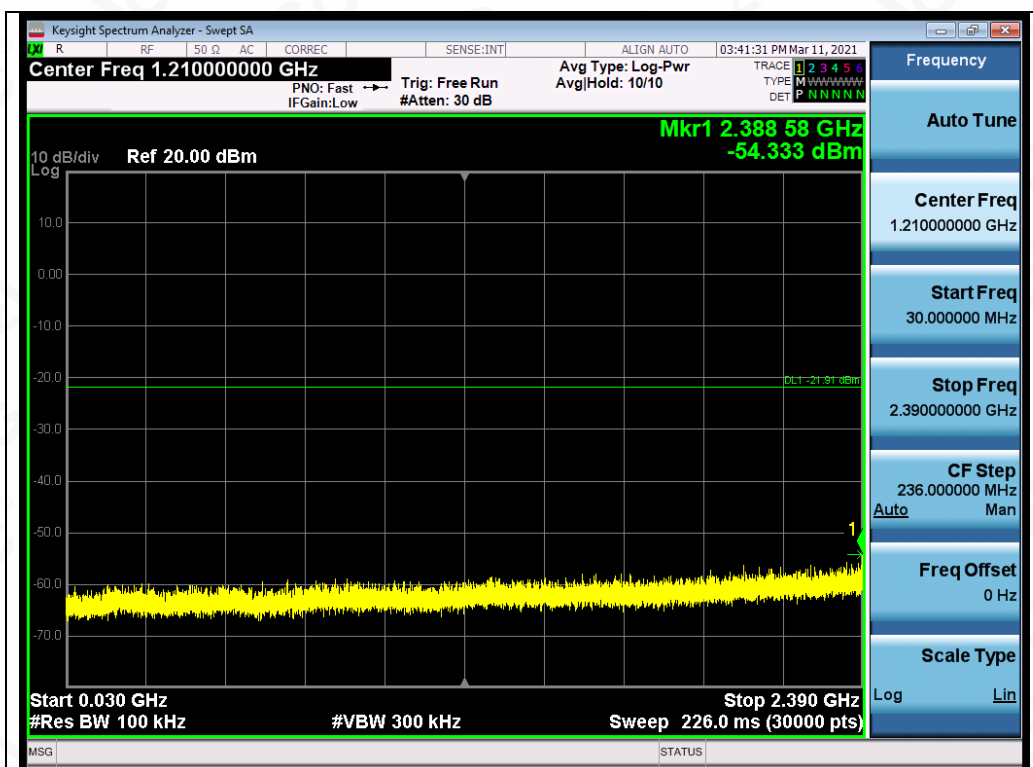


Test\_Graph\_802.11g\_ANT1\_2462\_6Mbps\_Higher Band Emissions

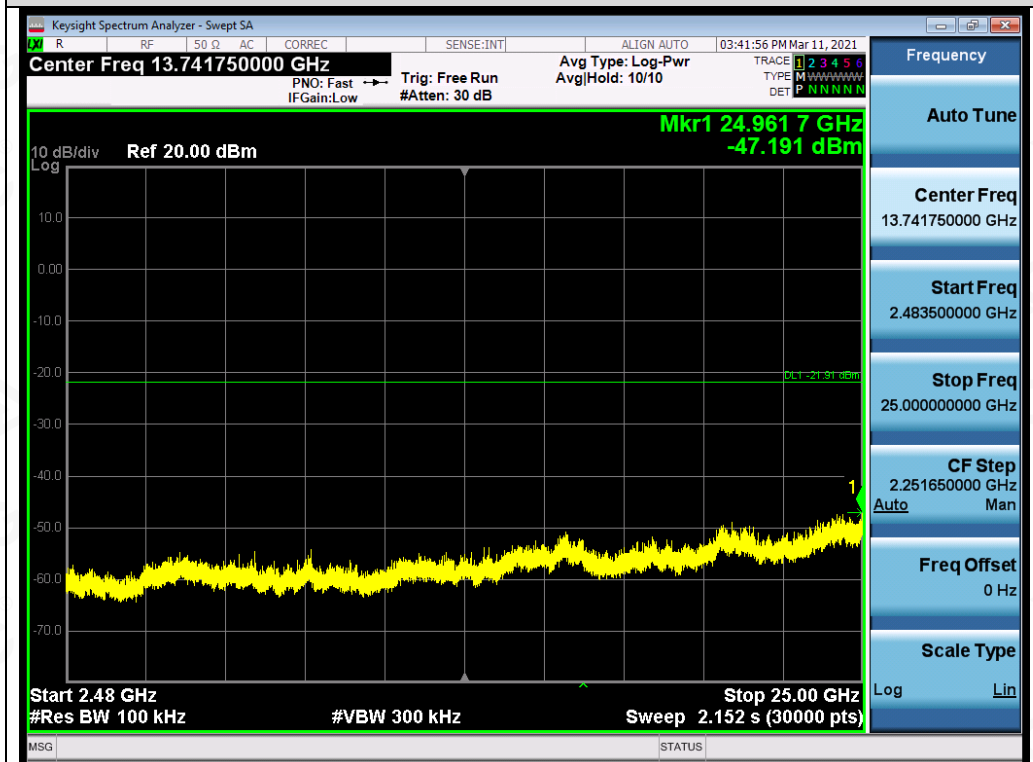
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Test\_Graph\_802.11n20\_ANT1\_2412\_MCS0\_Lower Band Emissions

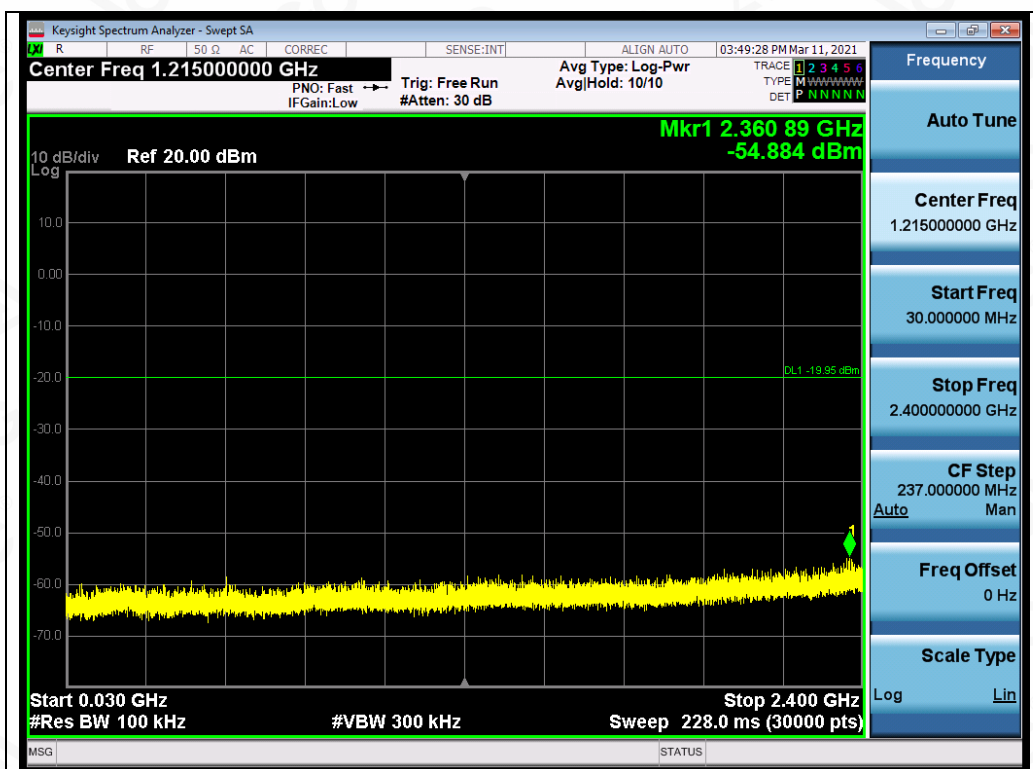


Test\_Graph\_802.11n20\_ANT1\_2412\_MCS0\_Higher Band Emissions

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Test\_Graph\_802.11n20\_ANT1\_2437\_MCS0\_Lower Band Emissions



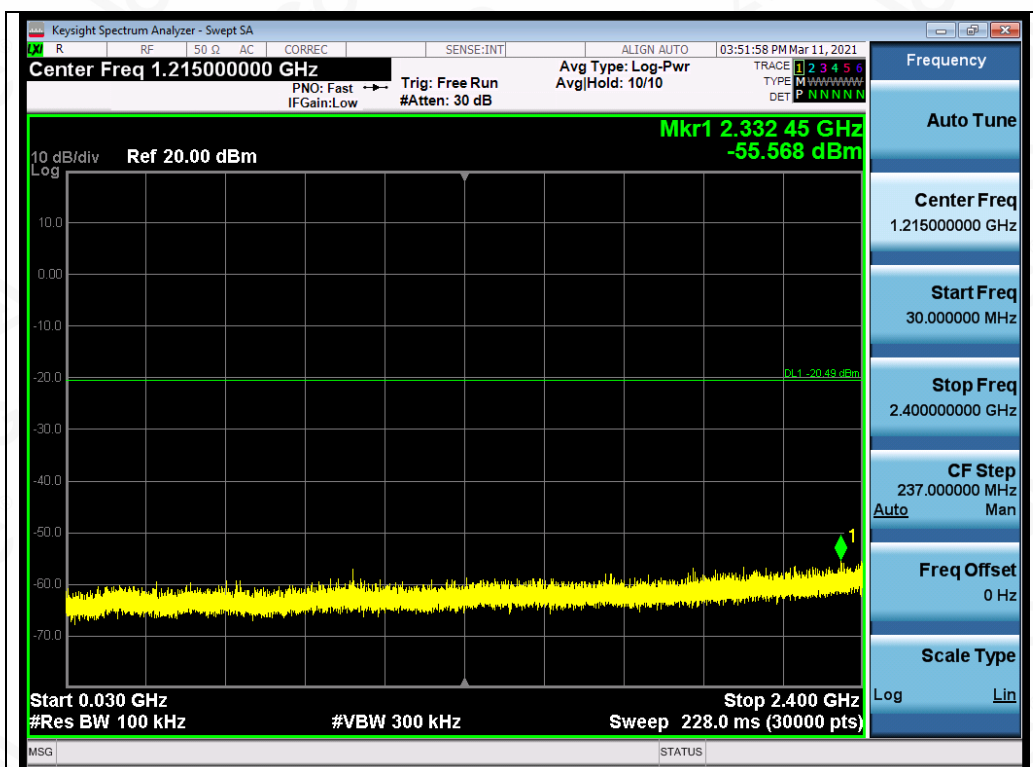
Test\_Graph\_802.11n20\_ANT1\_2437\_MCS0\_Higher Band Emissions

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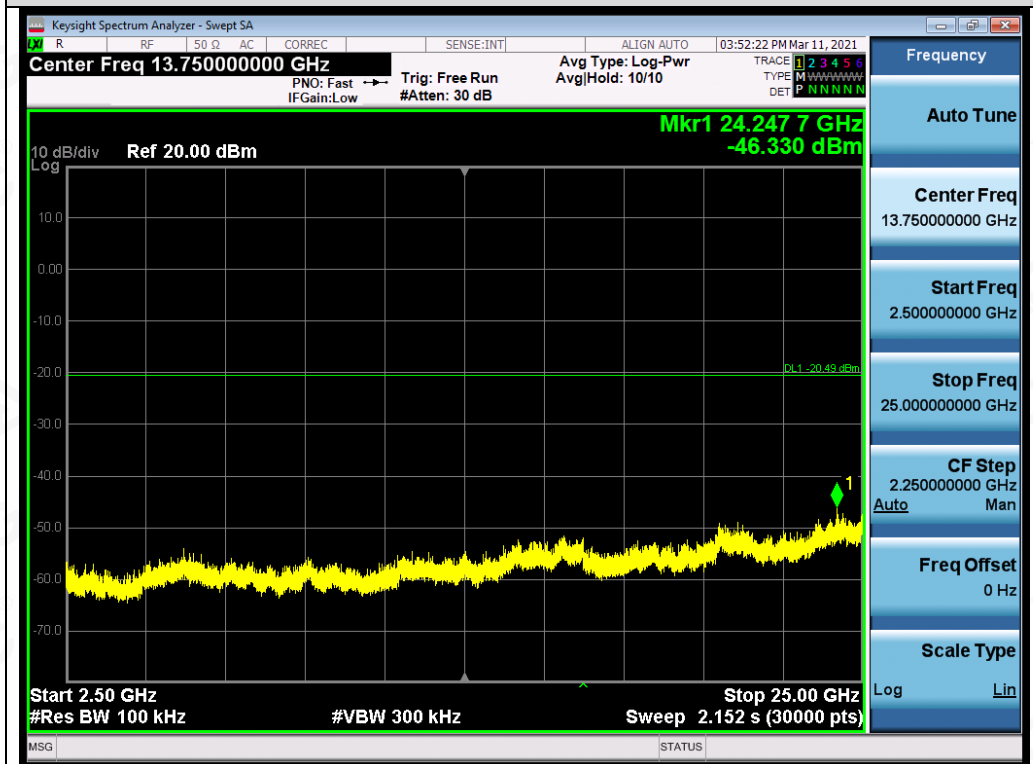
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Test\_Graph\_802.11n20\_ANT1\_2462\_MCS0\_Lower Band Emissions

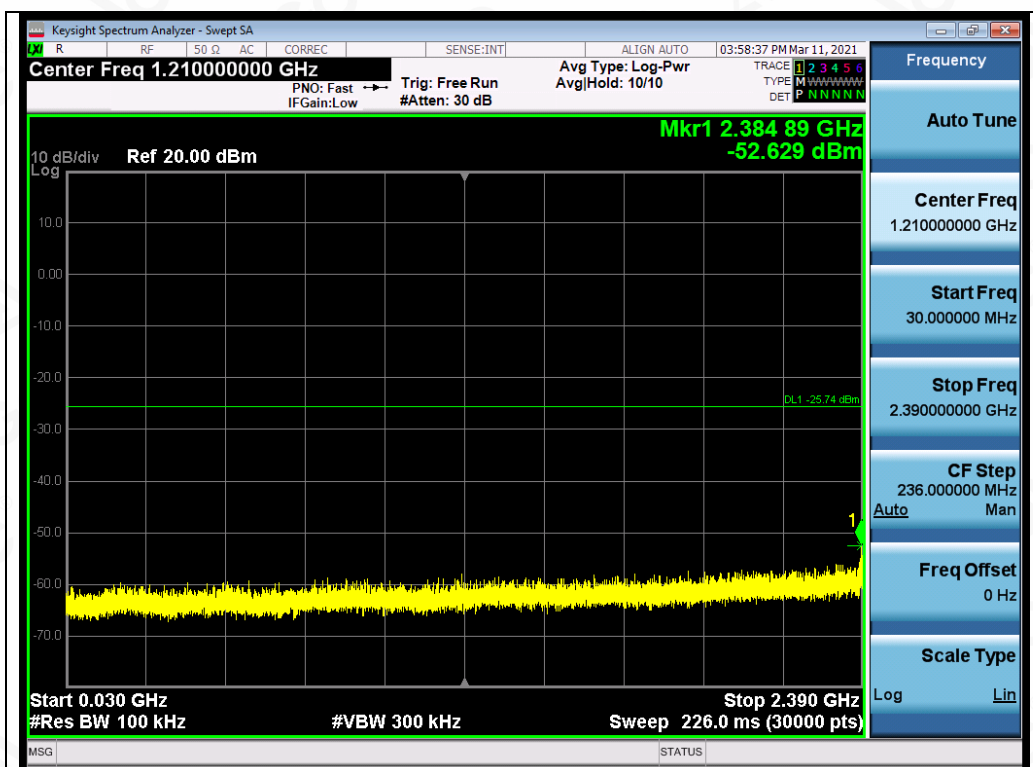


Test\_Graph\_802.11n20\_ANT1\_2462\_MCS0\_Higher Band Emissions

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Test\_Graph\_802.11n40\_ANT1\_2422\_MCS0\_Lower Band Emissions

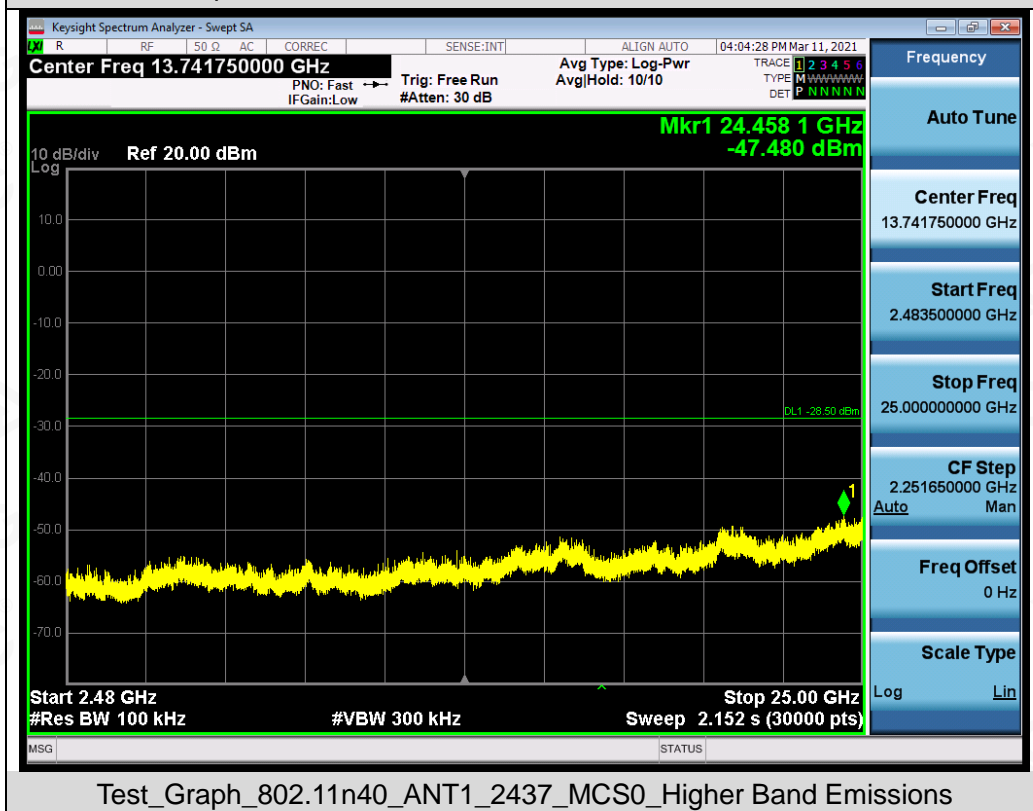
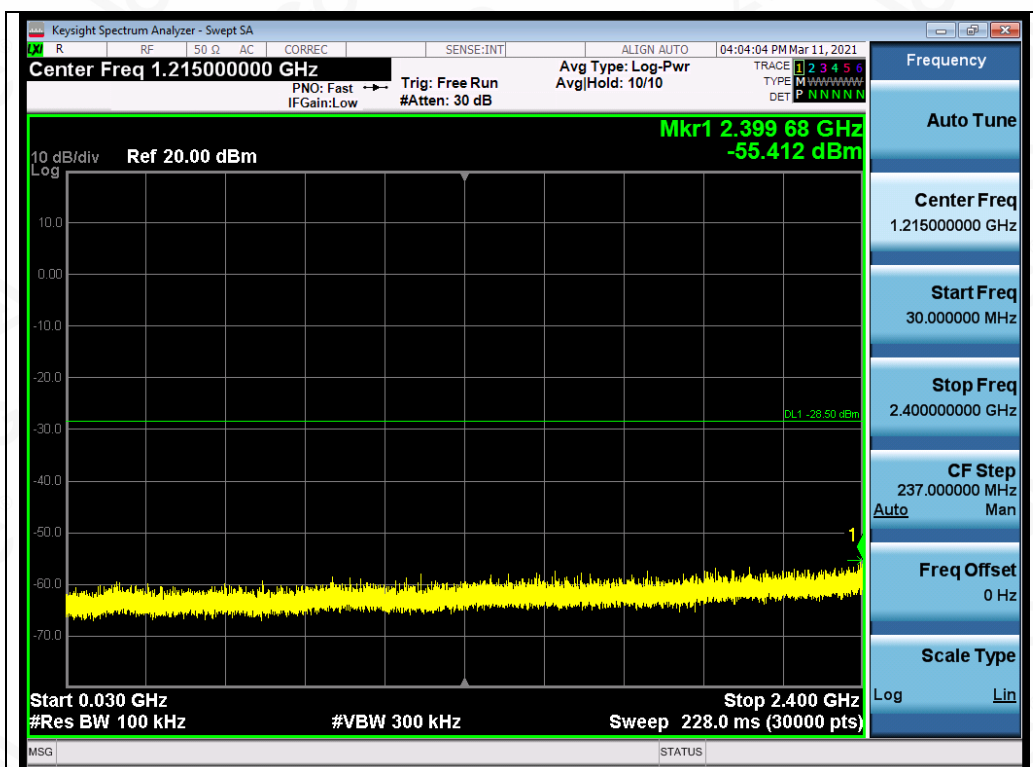


Test\_Graph\_802.11n40\_ANT1\_2422\_MCS0\_Higher Band Emissions

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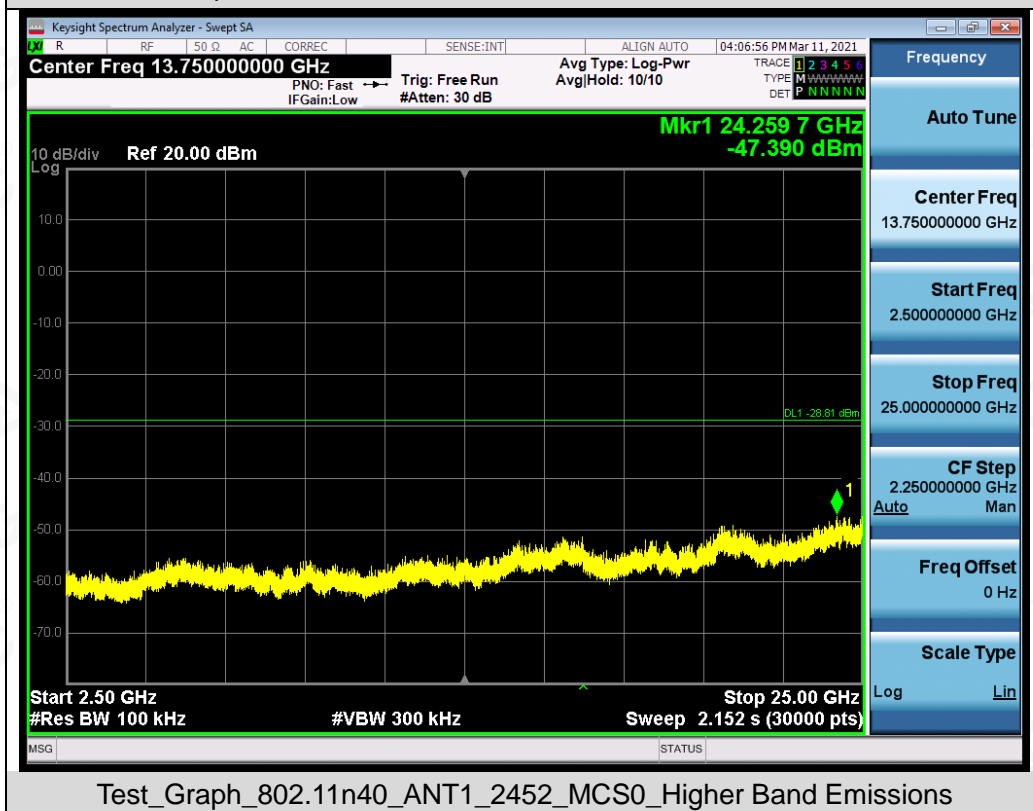
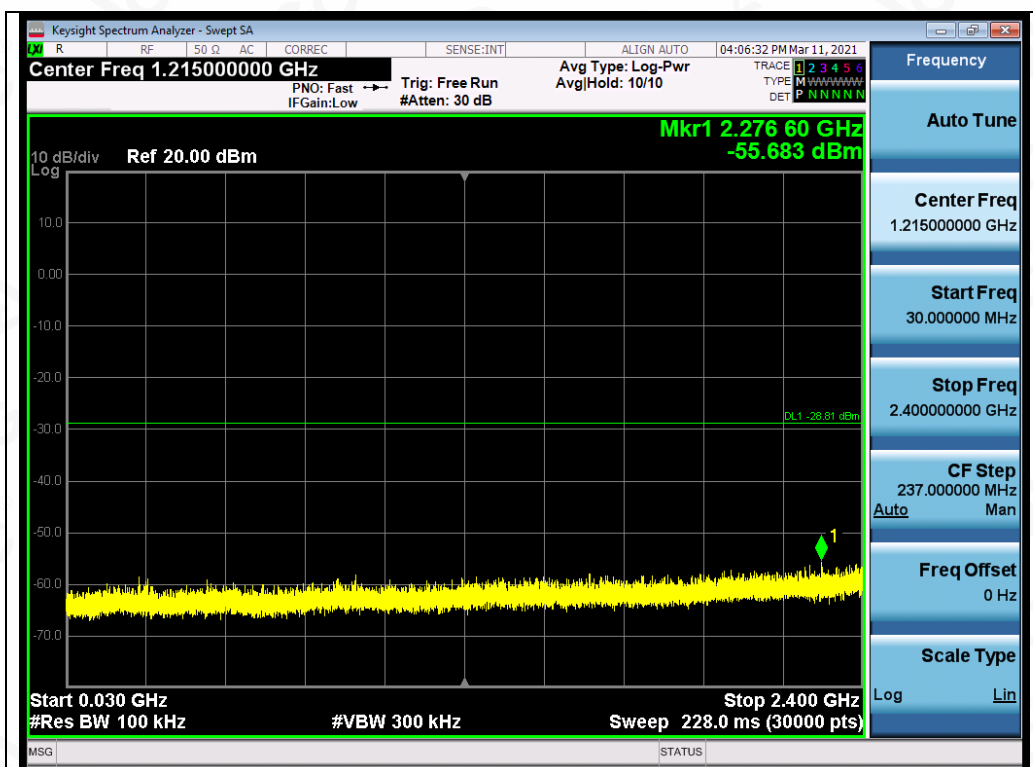




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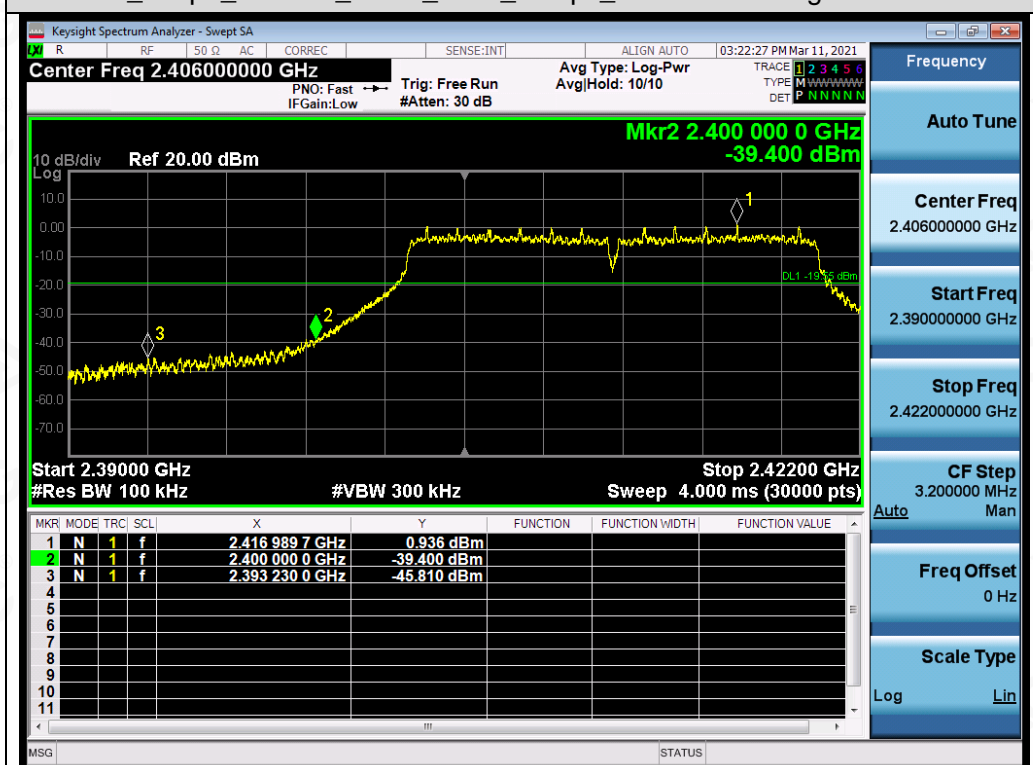




### Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands



Test\_Graph\_802.11b\_ANT1\_2412\_1Mbps\_Lower Band Edge Emissions

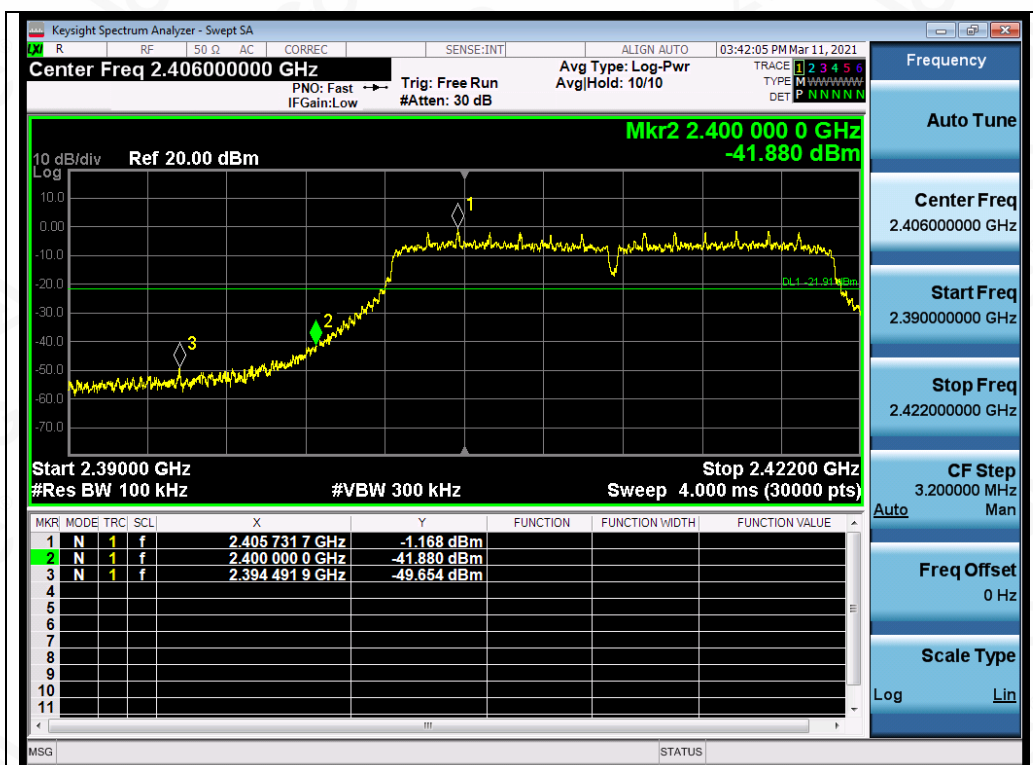


Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_Lower Band Edge Emissions

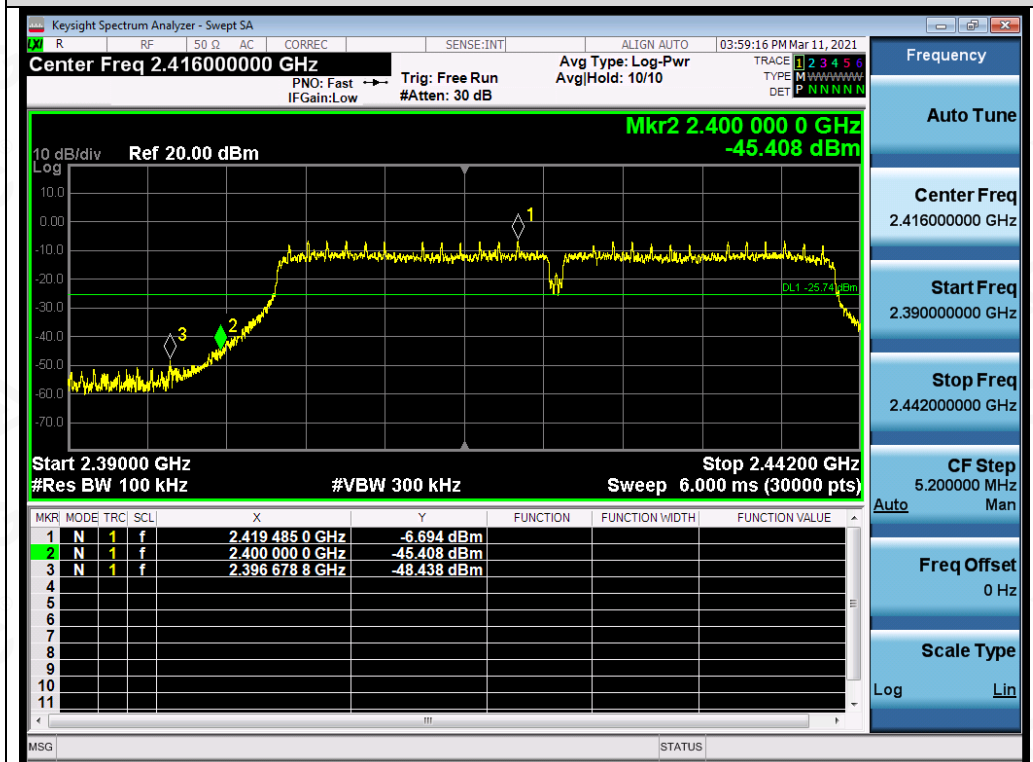
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Test\_Graph\_802.11n20\_ANT1\_2412\_MCS0\_Lower Band Edge Emissions



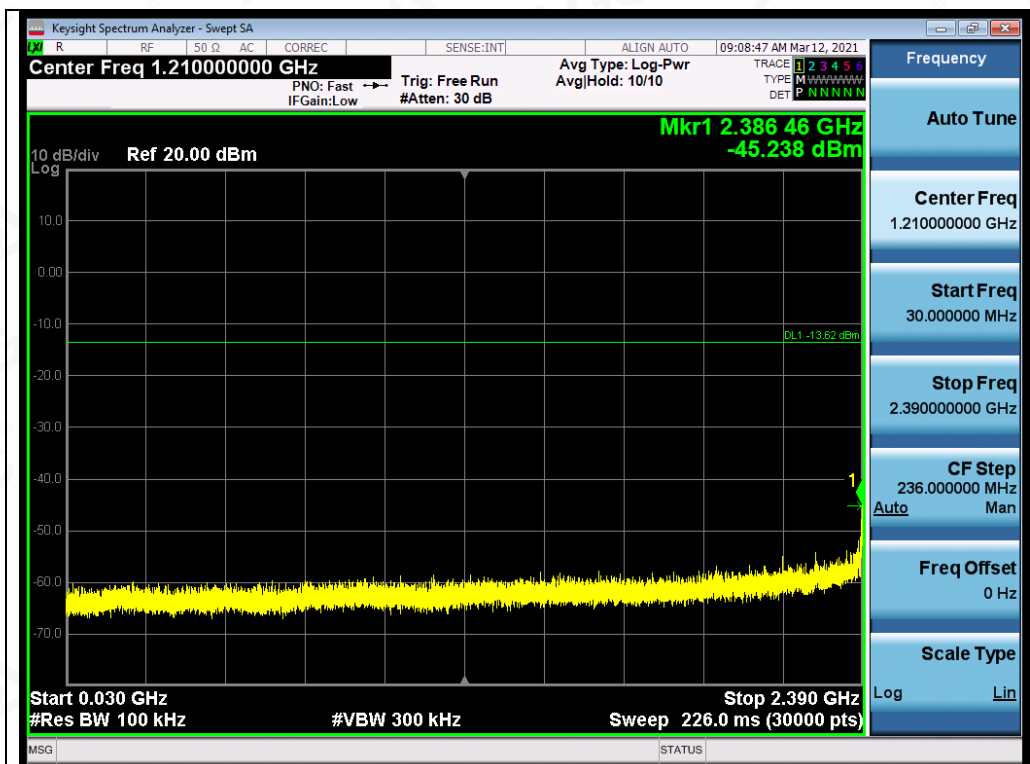
Test\_Graph\_802.11n40\_ANT1\_2422\_MCS0\_Lower Band Edge Emissions

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### Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



Test\_Graph\_802.11b\_ANT2\_2412\_1Mbps\_Lower Band Emissions

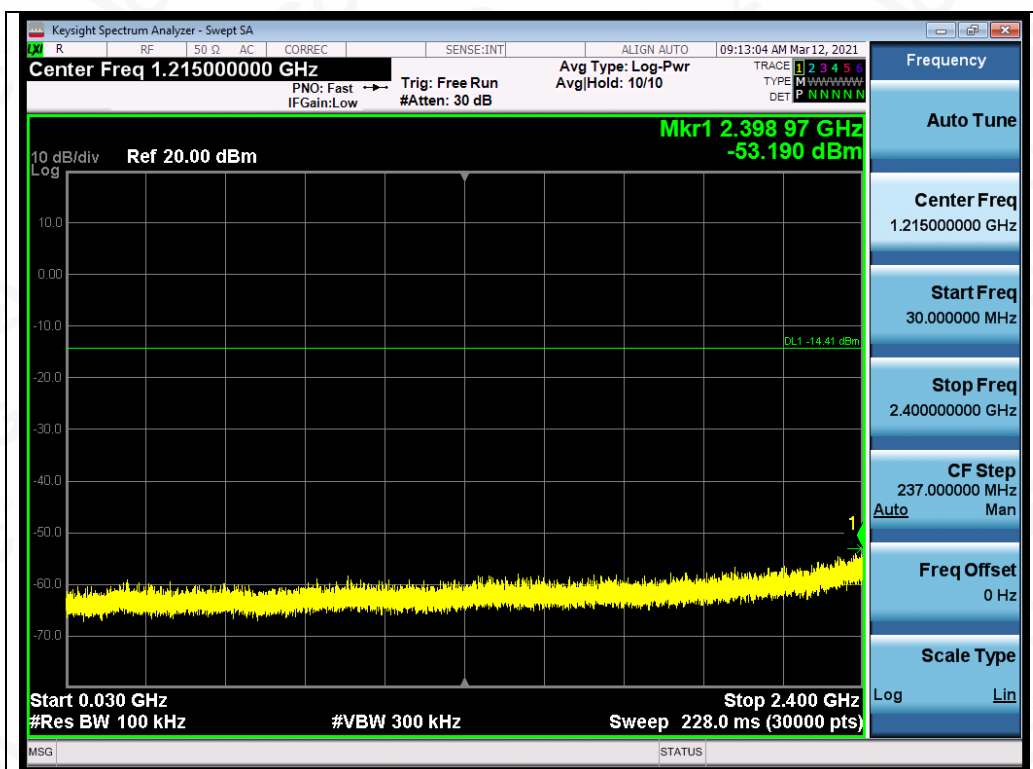


Test\_Graph\_802.11b\_ANT2\_2412\_1Mbps\_Higher Band Emissions

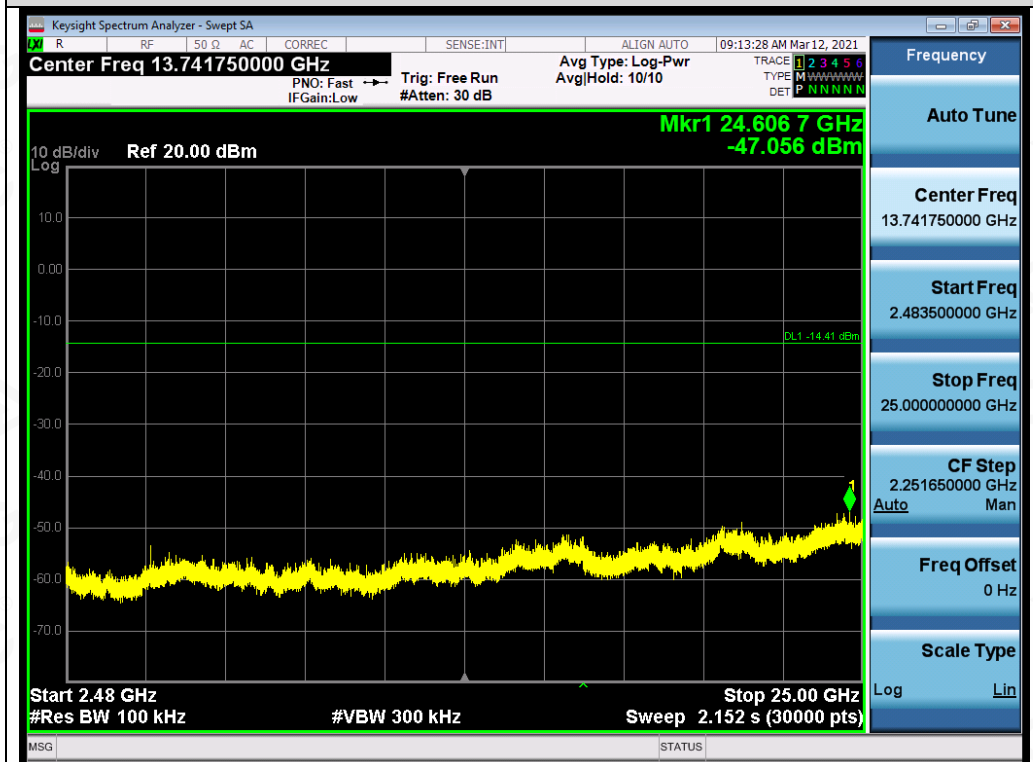
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Test\_Graph\_802.11b\_ANT2\_2437\_1Mbps\_Lower Band Emissions



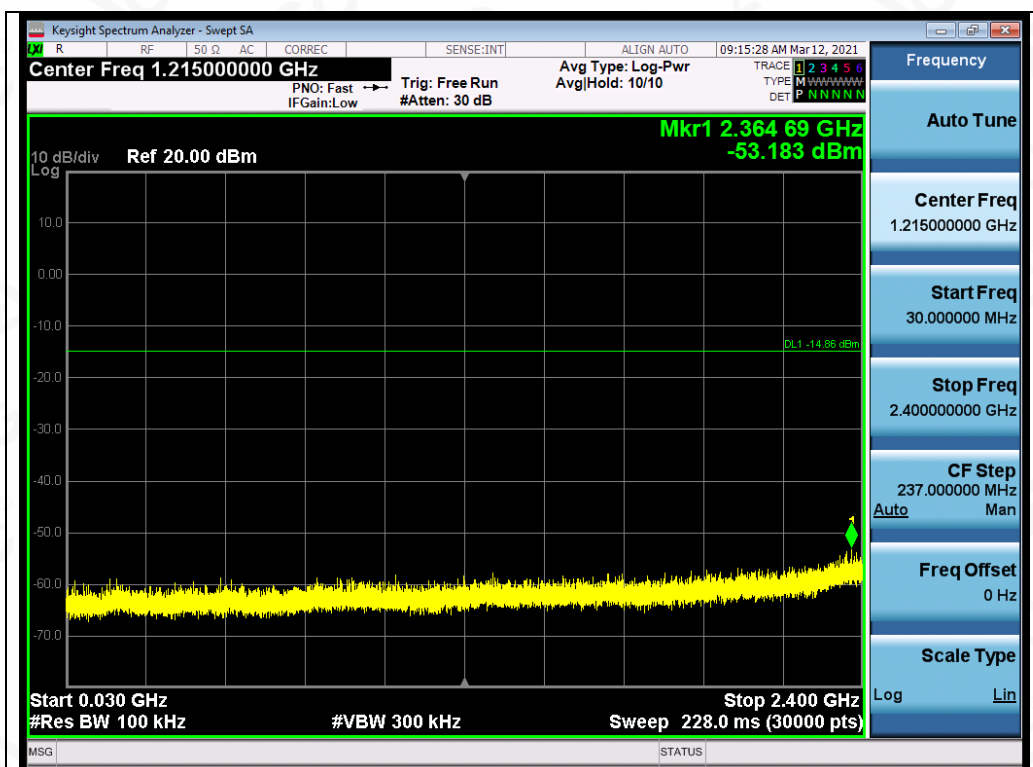
Test\_Graph\_802.11b\_ANT2\_2437\_1Mbps\_Higher Band Emissions

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Test\_Graph\_802.11b\_ANT2\_2462\_1Mbps\_Lower Band Emissions

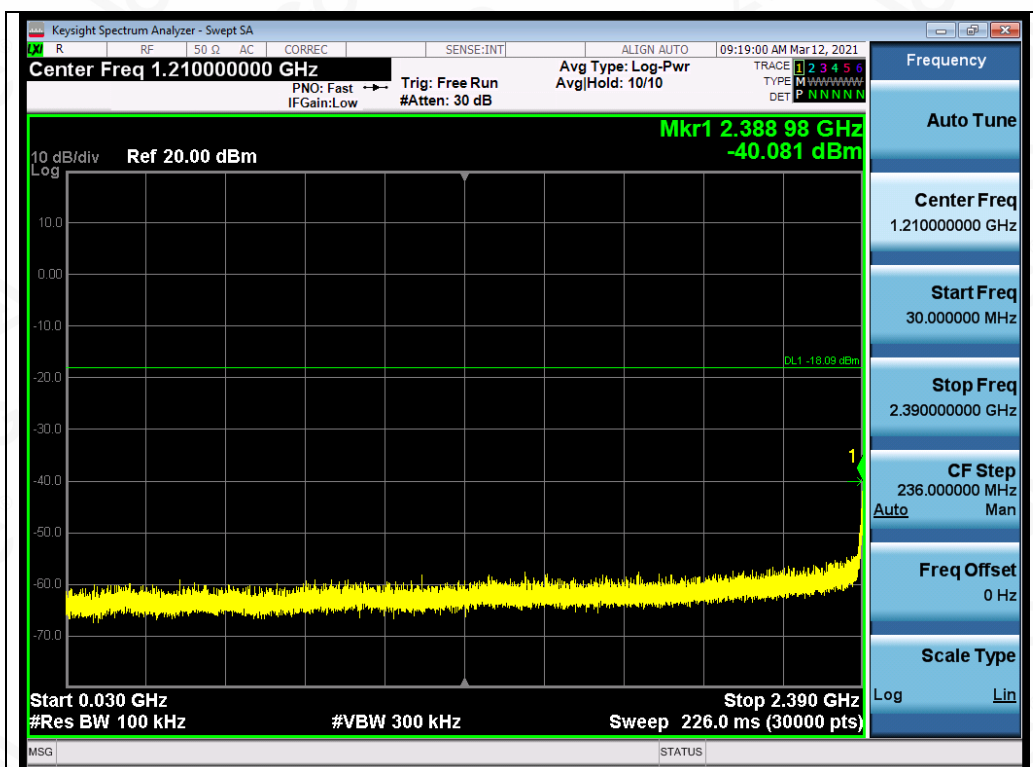


Test\_Graph\_802.11b\_ANT2\_2462\_1Mbps\_Higher Band Emissions

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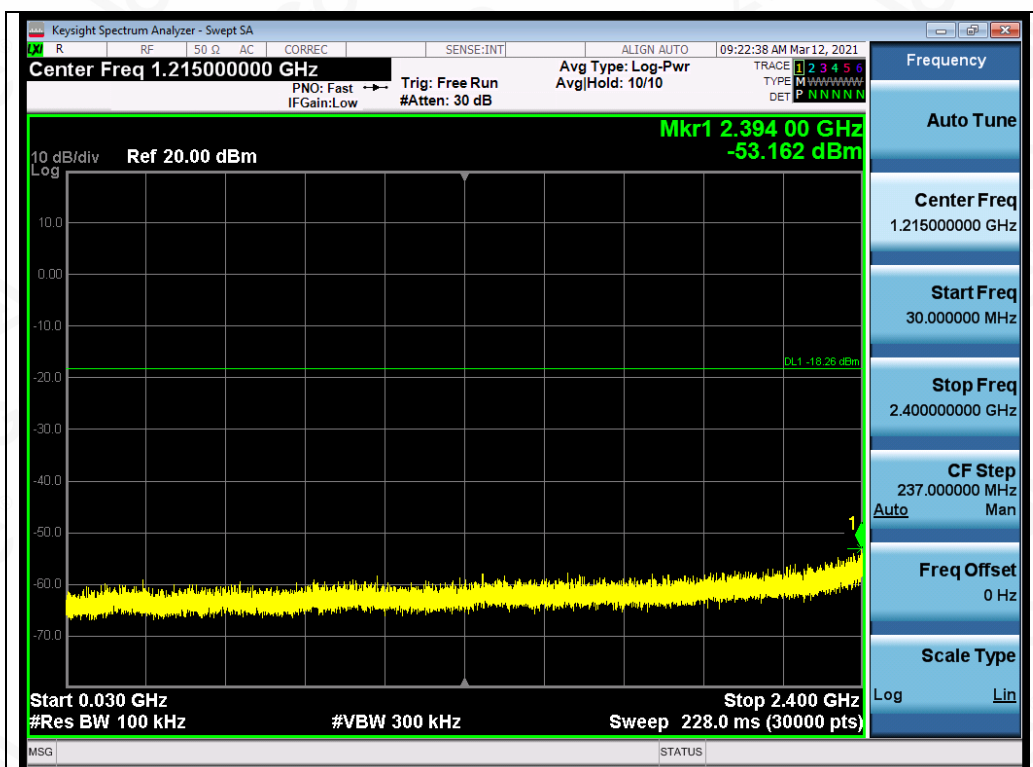




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Test\_Graph\_802.11g\_ANT2\_2437\_6Mbps\_Lower Band Emissions

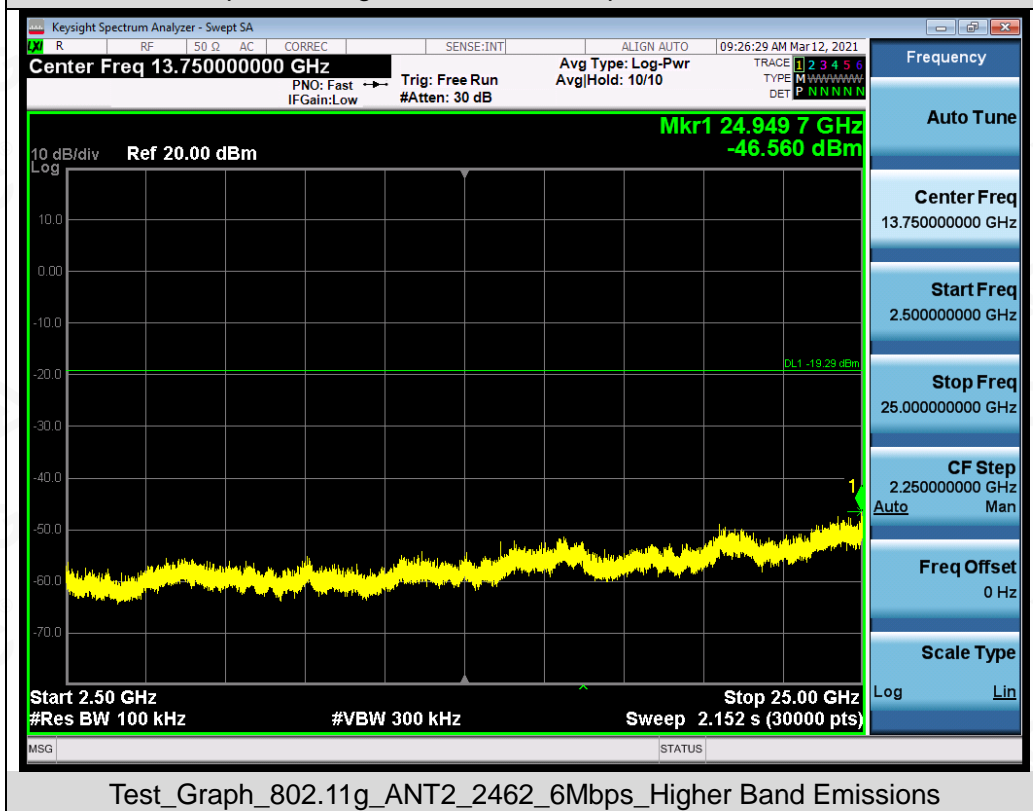
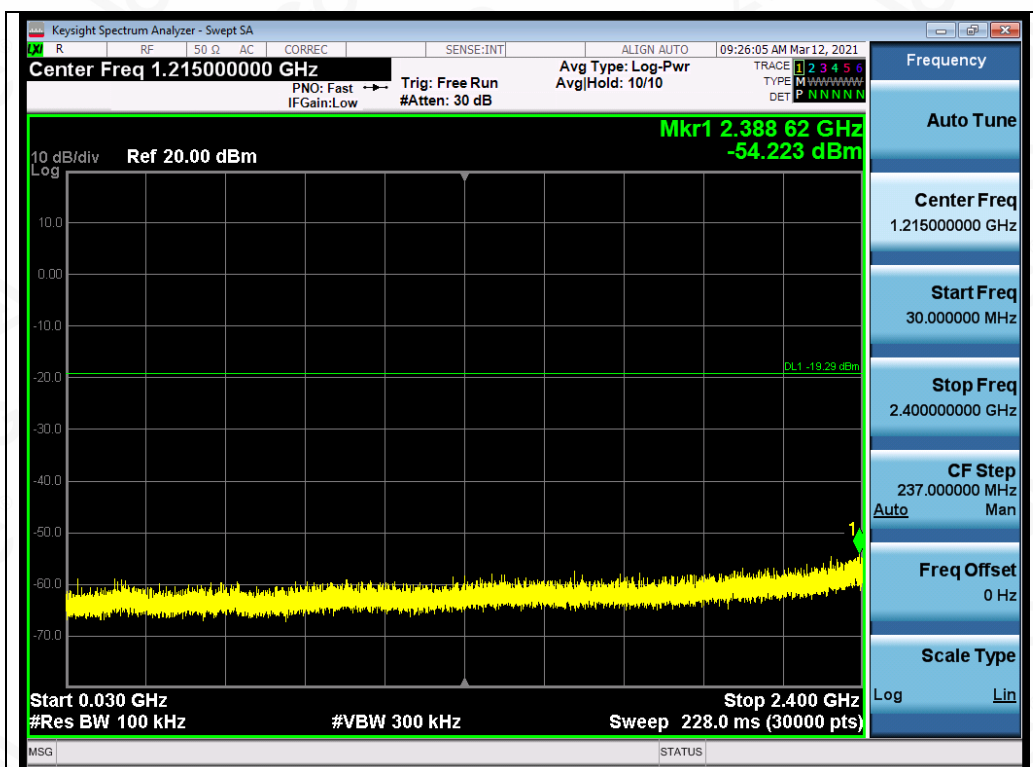


Test\_Graph\_802.11g\_ANT2\_2437\_6Mbps\_Higher Band Emissions

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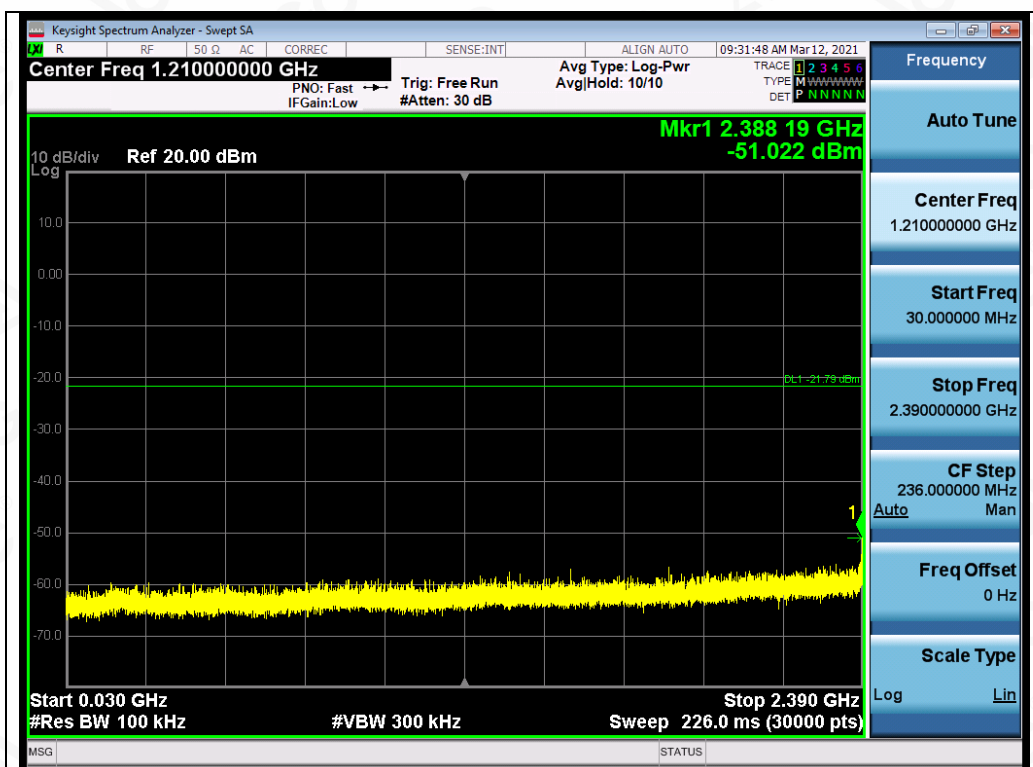


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Test\_Graph\_802.11n20\_ANT2\_2412\_MCS0\_Lower Band Emissions

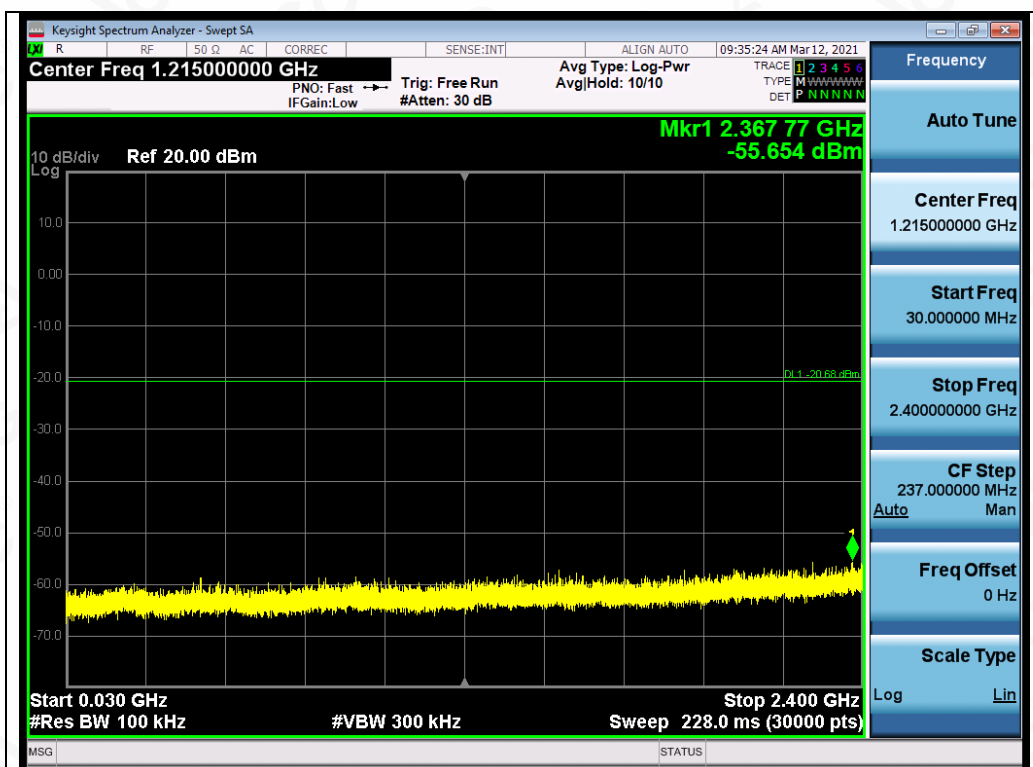


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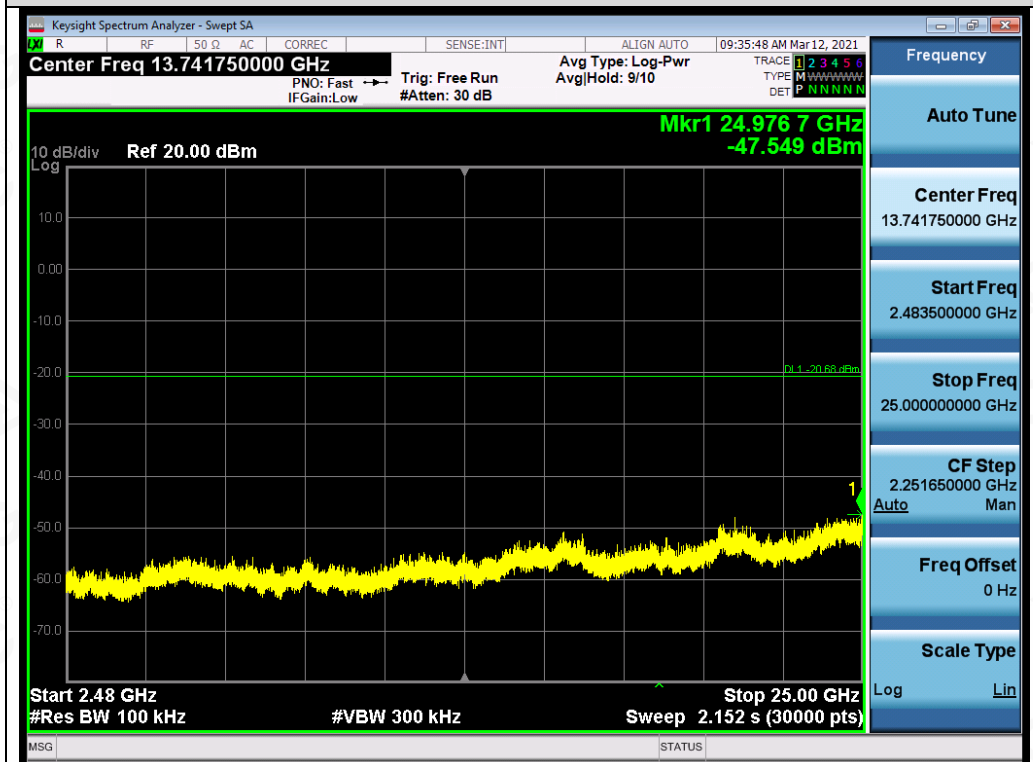
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Test\_Graph\_802.11n20\_ANT2\_2437\_MCS0\_Lower Band Emissions

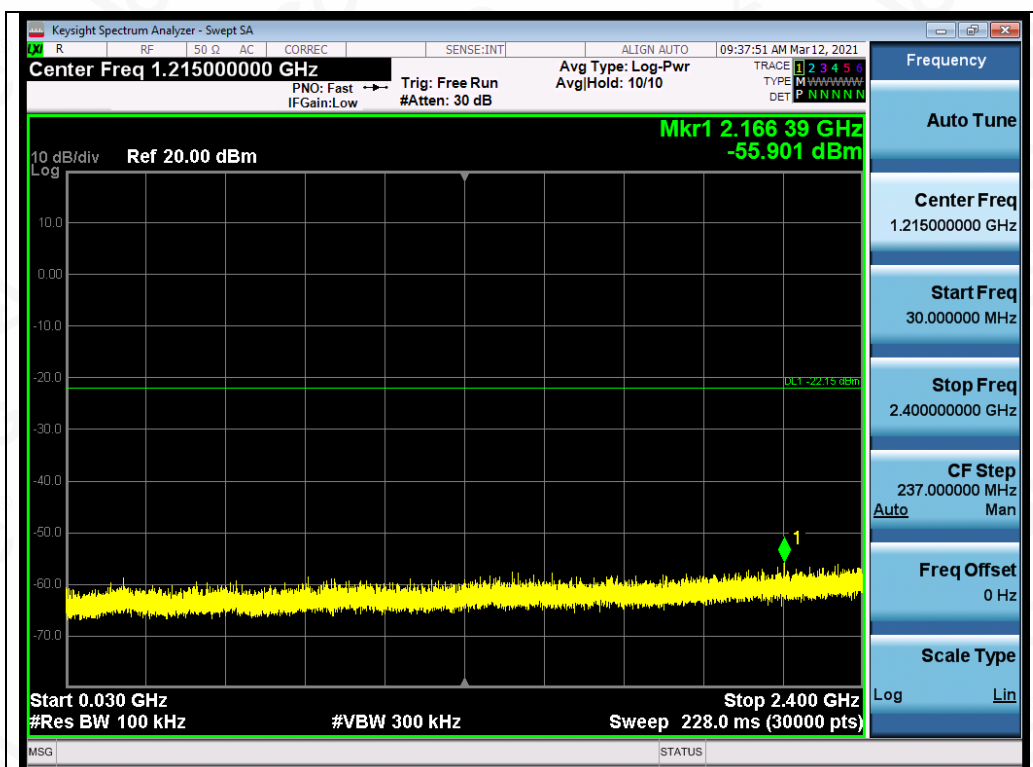


Test\_Graph\_802.11n20\_ANT2\_2437\_MCS0\_Higher Band Emissions

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Test\_Graph\_802.11n20\_ANT2\_2462\_MCS0\_Lower Band Emissions

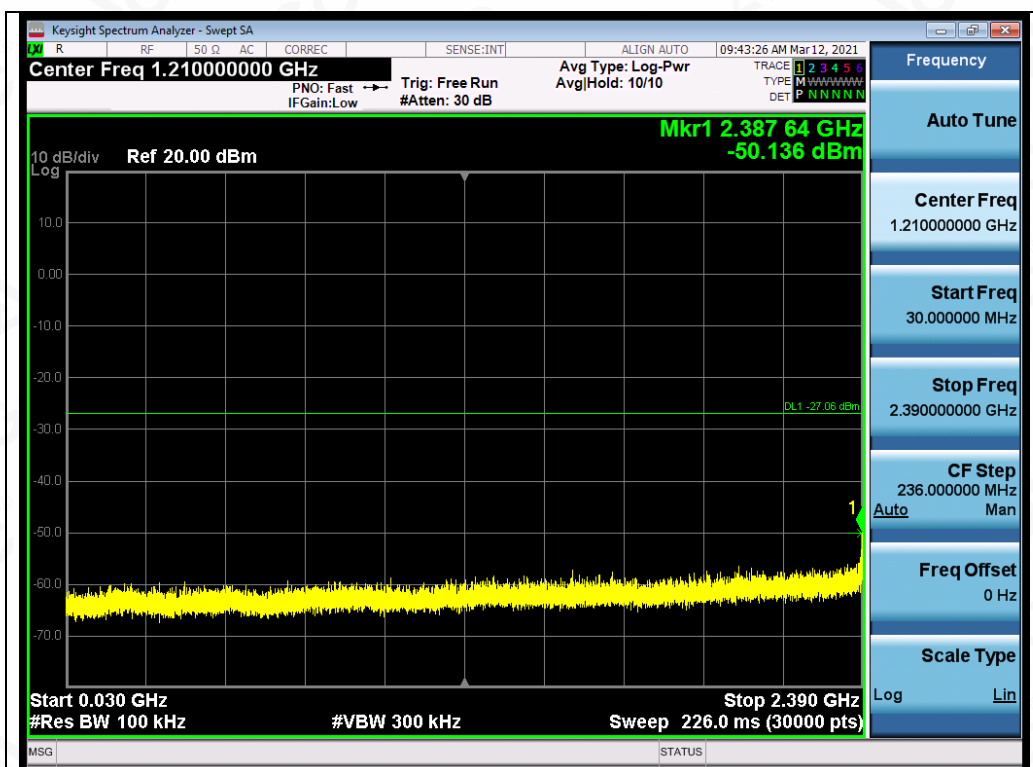


Test\_Graph\_802.11n20\_ANT2\_2462\_MCS0\_Higher Band Emissions

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Test\_Graph\_802.11n40\_ANT2\_2422\_MCS0\_Lower Band Emissions



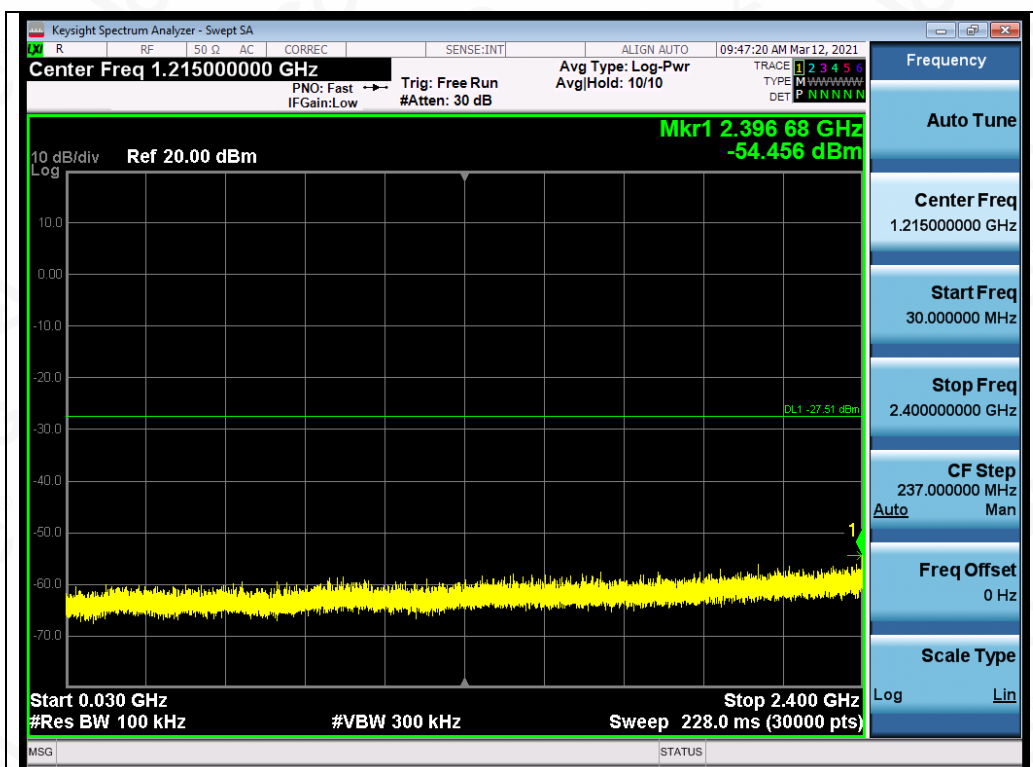
Test\_Graph\_802.11n40\_ANT2\_2422\_MCS0\_Higher Band Emissions

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Test\_Graph\_802.11n40\_ANT2\_2437\_MCS0\_Lower Band Emissions

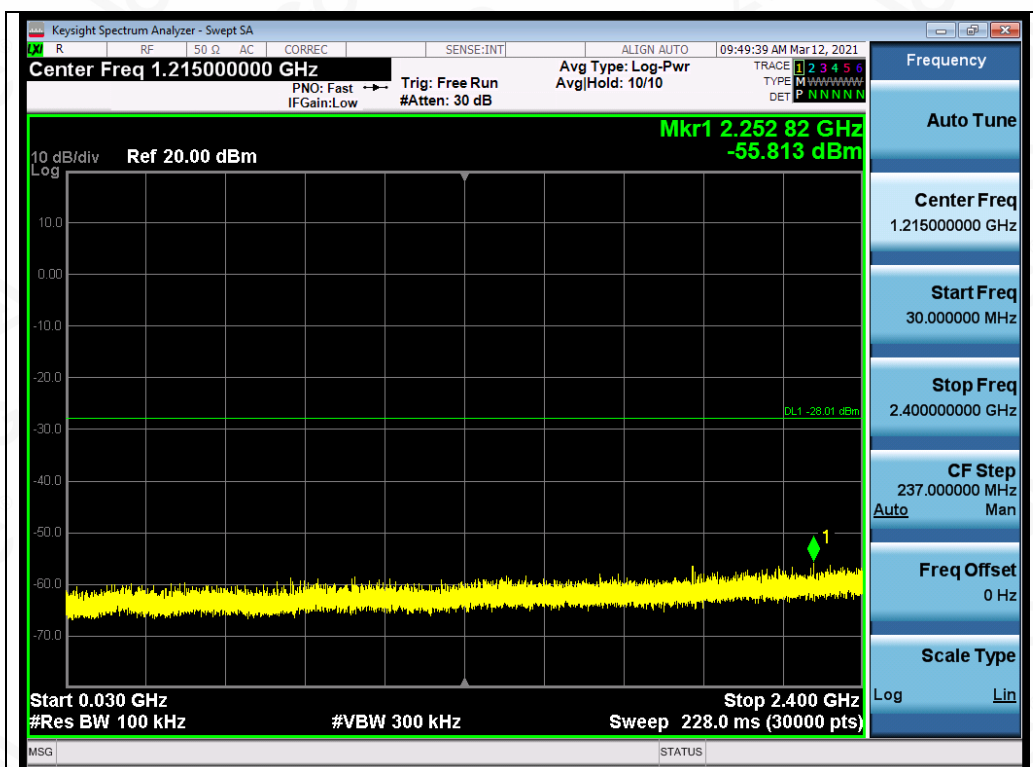


Test\_Graph\_802.11n40\_ANT2\_2437\_MCS0\_Higher Band Emissions

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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

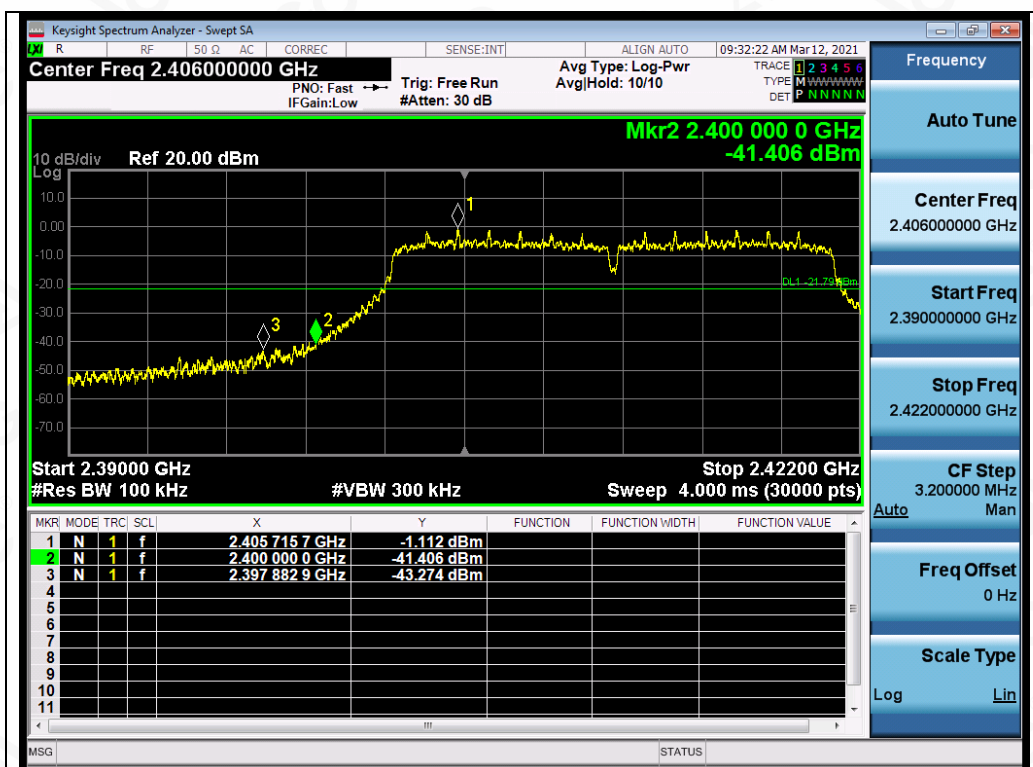


Test\_Graph\_802.11g\_ANT2\_2412\_6Mbps\_Lower Band Edge Emissions

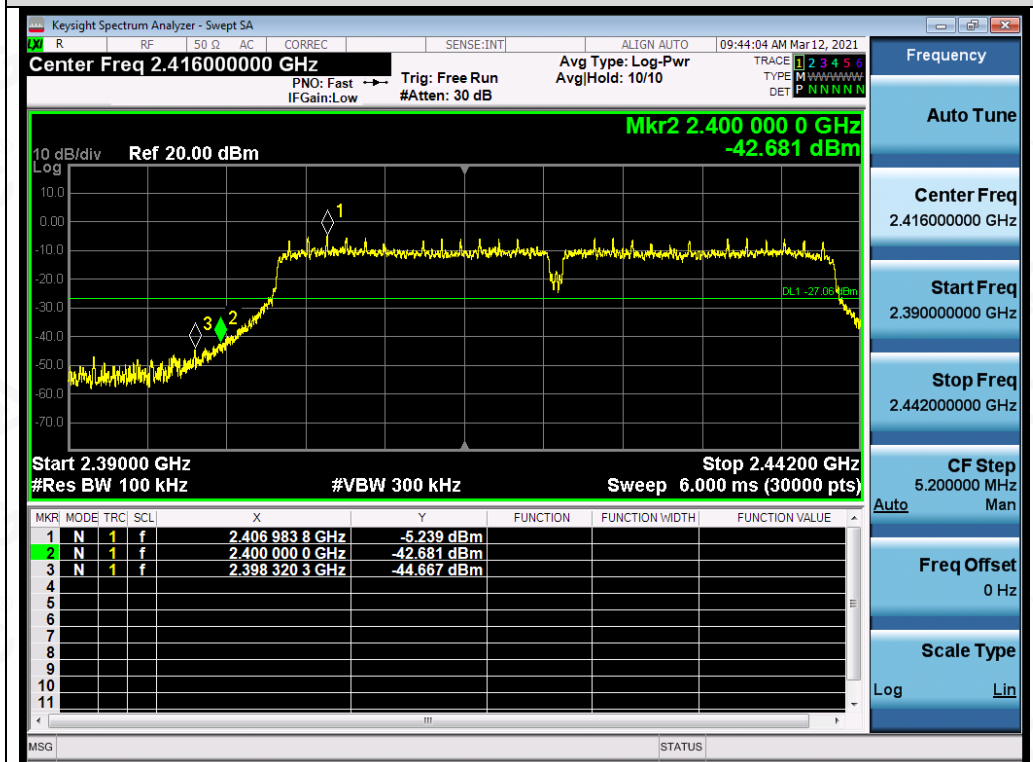
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Test\_Graph\_802.11n20\_ANT2\_2412\_MCS0\_Lower Band Edge Emissions



Test\_Graph\_802.11n40\_ANT2\_2422\_MCS0\_Lower Band Edge Emissions

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 Antenna-1					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	2.128	-6.111	$\leq 8$	Pass
	2437	0.479	-7.76	$\leq 8$	Pass
	2462	0.195	-8.044	$\leq 8$	Pass
802.11g	2412	-4.656	-12.895	$\leq 8$	Pass
	2437	-5.108	-13.347	$\leq 8$	Pass
	2462	-5.692	-13.931	$\leq 8$	Pass
802.11n20	2412	-7.533	-15.772	$\leq 8$	Pass
	2437	-7.389	-15.628	$\leq 8$	Pass
	2462	-6.362	-14.601	$\leq 8$	Pass
802.11n40	2422	-12.573	-20.812	$\leq 8$	Pass
	2437	-12.856	-21.095	$\leq 8$	Pass
	2452	-12.842	-21.081	$\leq 8$	Pass

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Test Data of Conducted Output Power Spectral Density Antenna-2					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	0.511	-7.728	≤8	Pass
	2437	-0.232	-8.471	≤8	Pass
	2462	-0.460	-8.699	≤8	Pass
802.11g	2412	-3.774	-12.013	≤8	Pass
	2437	-4.288	-12.527	≤8	Pass
	2462	-5.382	-13.621	≤8	Pass
802.11n20	2412	-7.568	-15.807	≤8	Pass
	2437	-6.394	-14.633	≤8	Pass
	2462	-8.174	-16.413	≤8	Pass
802.11n40	2422	-11.442	-19.681	≤8	Pass
	2437	-11.863	-20.102	≤8	Pass
	2452	-12.125	-20.364	≤8	Pass

Test Data of Conducted Output Power Spectral Density-Total ant1+2					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11n20	2412	-4.54	-12.78	≤8	Pass
	2437	-3.85	-12.09	≤8	Pass
	2462	-4.16	-12.40	≤8	Pass
802.11n40	2422	-8.96	-17.20	≤8	Pass
	2437	-9.32	-17.56	≤8	Pass
	2452	-9.46	-17.70	≤8	Pass

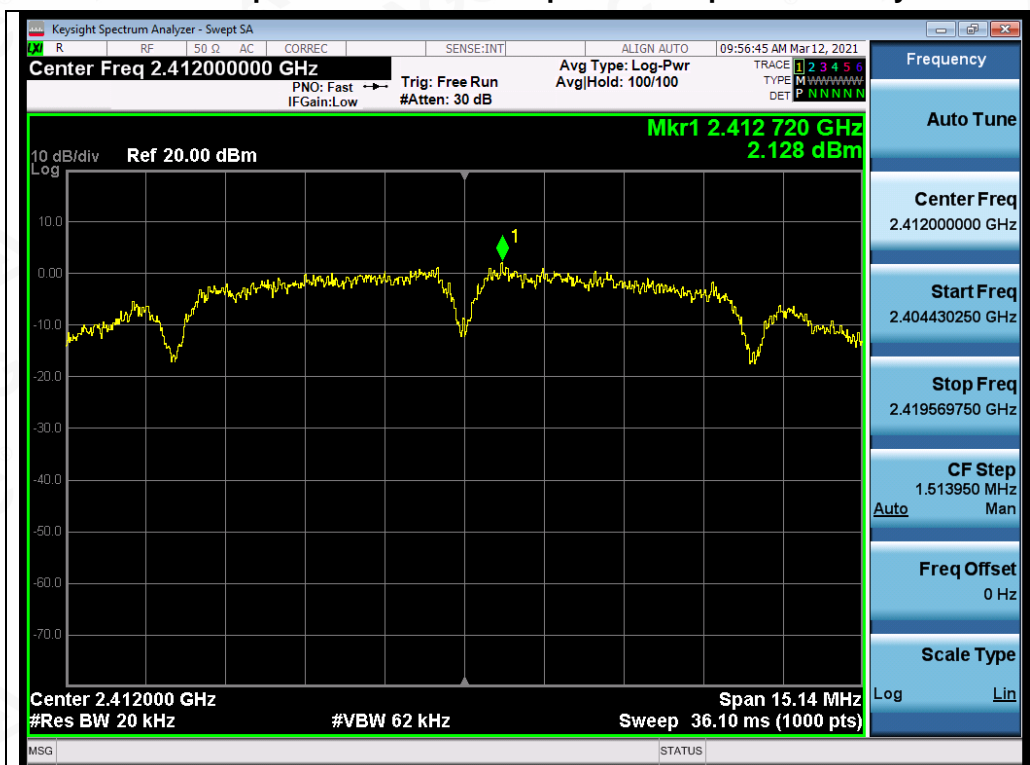
Note: Power density(dBm/3kHz) = Power density(dBm/20kHz) – 10\*log(20/3).

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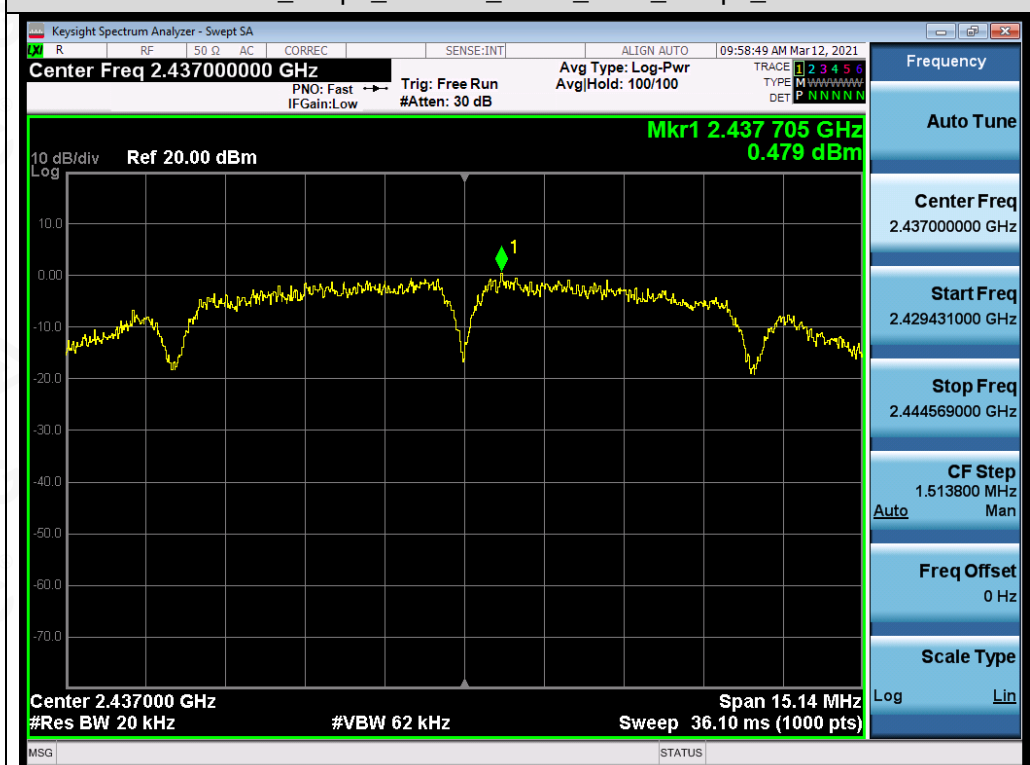
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### Test Graphs of Conducted Output Power Spectral Density



Test\_Graph\_802.11b\_ANT1\_2412\_1Mbps\_PSD

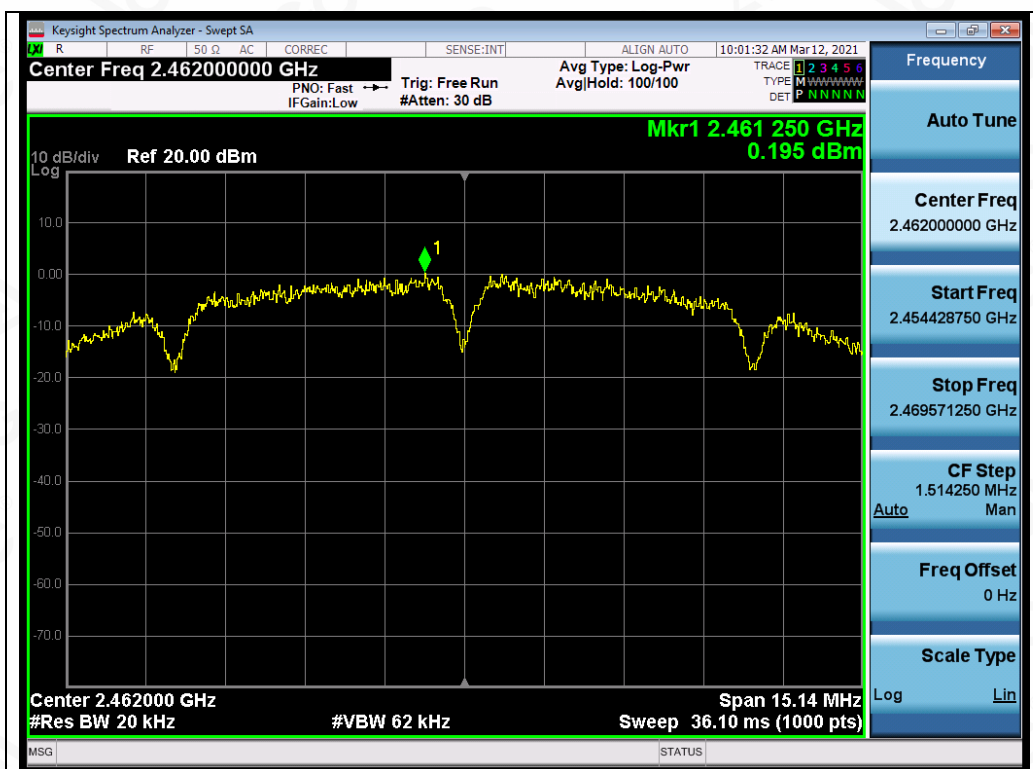


Test\_Graph\_802.11b\_ANT1\_2437\_1Mbps\_PSD

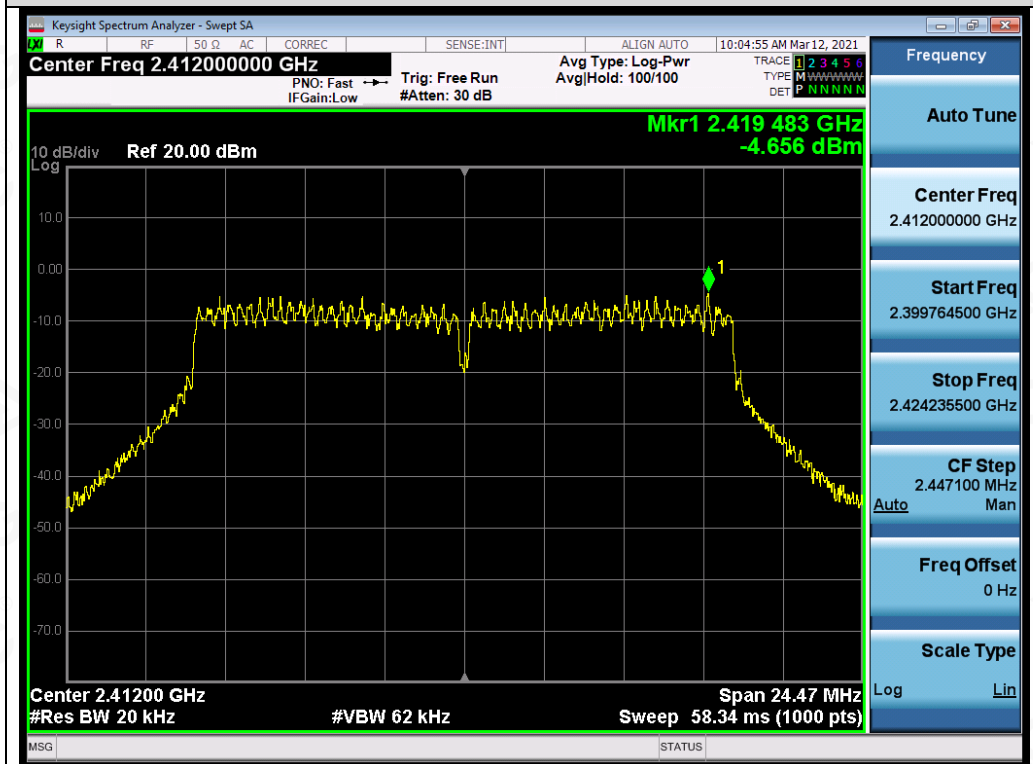
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Test\_Graph\_802.11b\_ANT1\_2462\_1Mbps\_PSD



Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_PSD

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