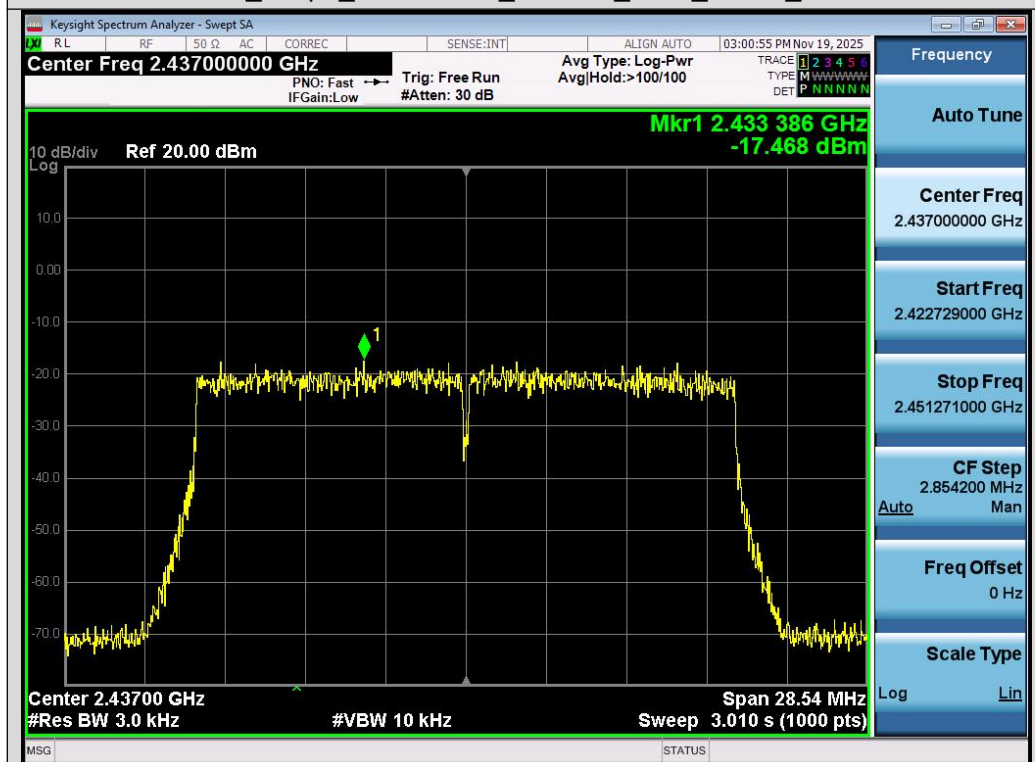
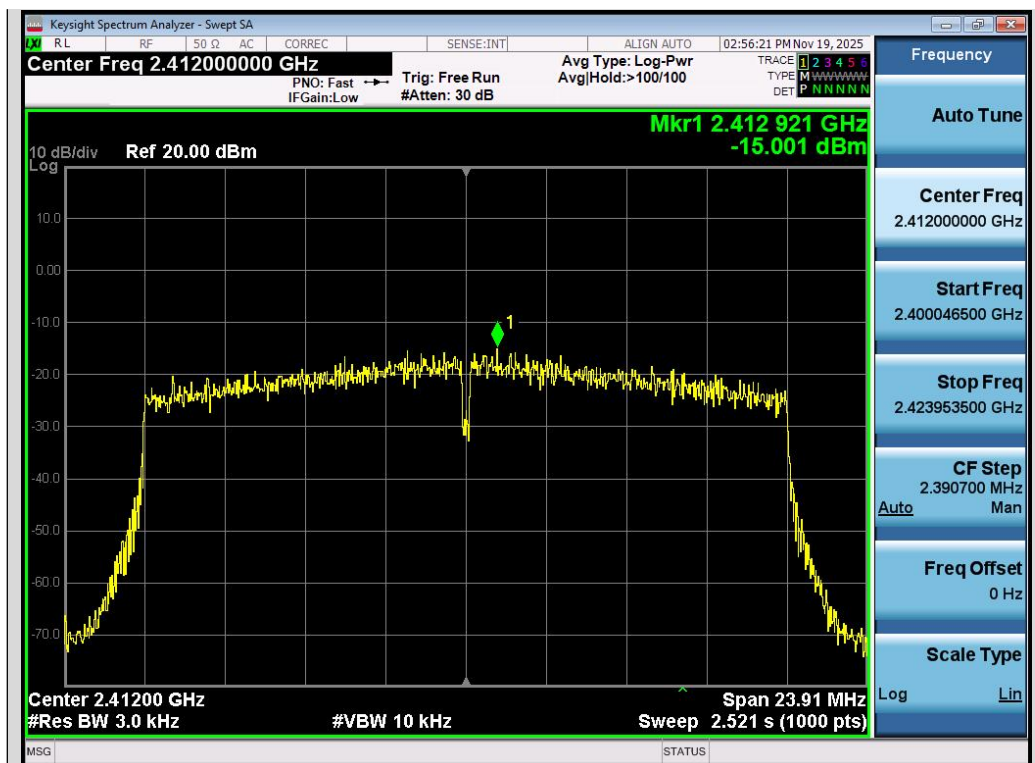
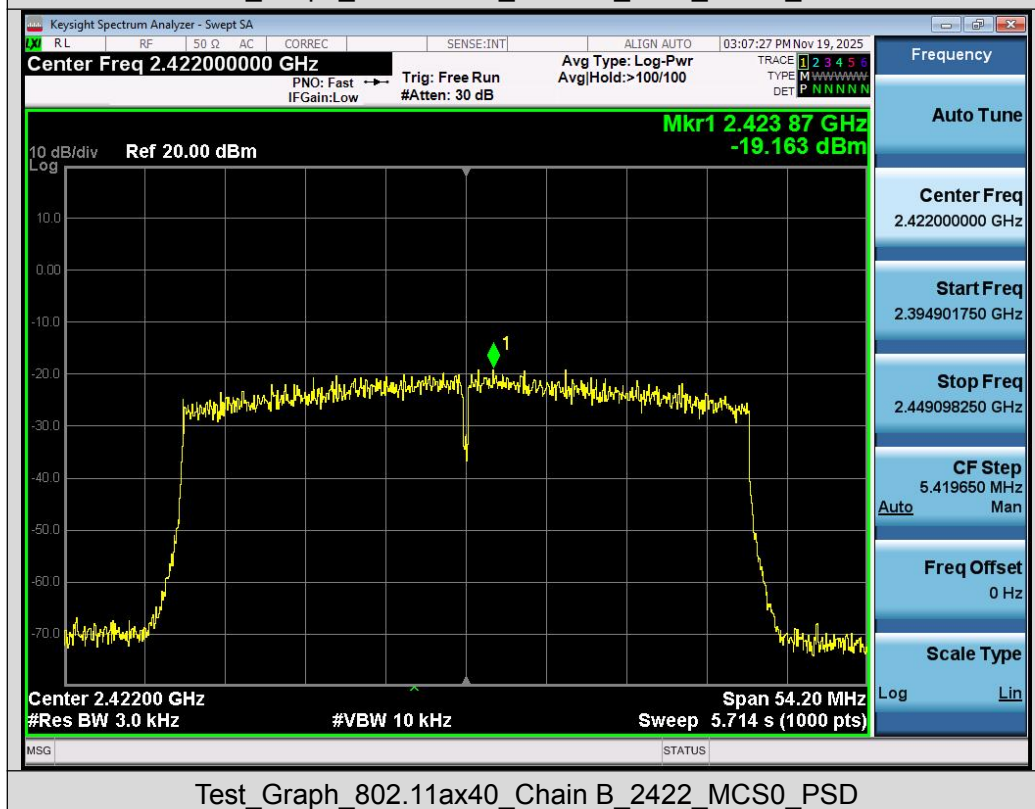
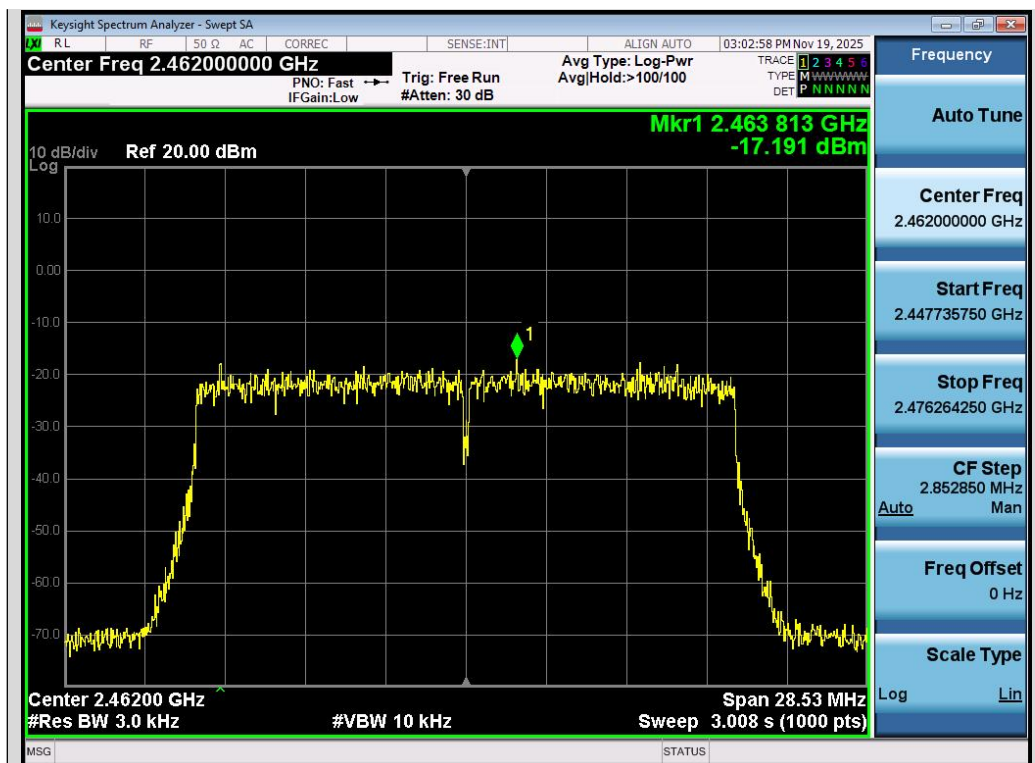




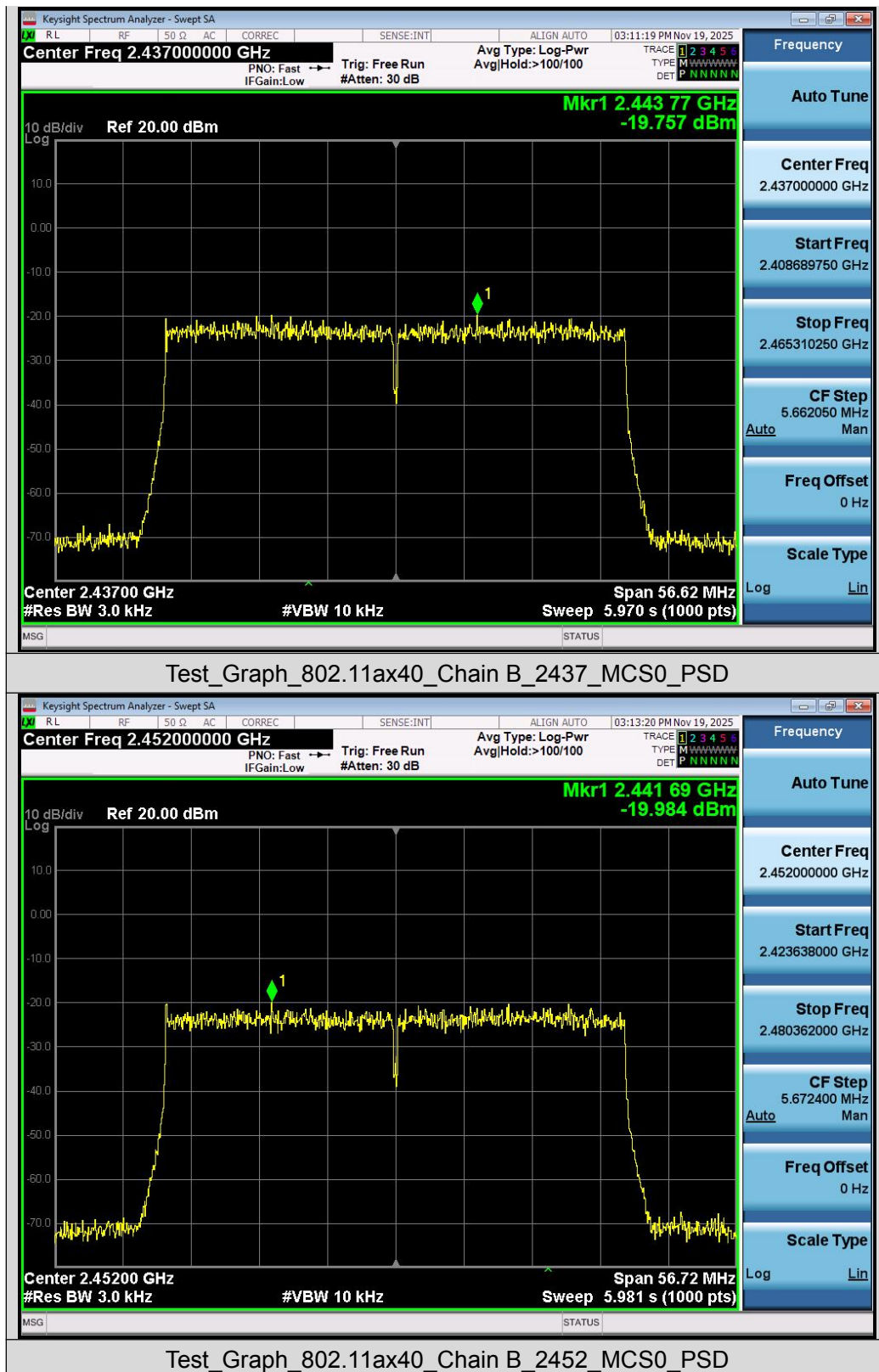
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10. Conducted Band Edge and Out-of-Band Emissions

10.1 Provisions Applicable

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

10.2 Measurement Procedure

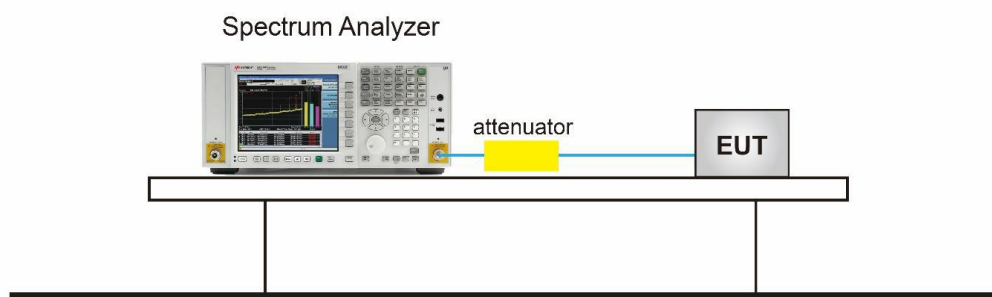
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Use the following spectrum analyzer settings:

- Step 1: Measurement Procedure In-Band Reference Level
 1. Set instrument center frequency to DTS channel center frequency.
 2. Set the span to ≥ 1.5 times the DTS bandwidth.
 3. Set the RBW = 100 kHz.
 4. Set the VBW $\geq 3 \times$ RBW.
 5. Detector = peak.
 6. Sweep time = auto couple.
 7. Trace mode = max hold.
 8. Allow trace to fully stabilize.
 9. Use the peak marker function to determine the maximum PSD level.
 10. Note that the channel found to contain the maximum PSD level can be used to establish the reference level.
 11. For reference level values, please refer to DTS bandwidth test.
- Step 2: Measurement Procedure Out of Band Emission
 1. Set RBW = 100 kHz.
 2. Set VBW ≥ 300 kHz.
 3. Detector = peak.
 4. Sweep = auto couple.
 5. Trace Mode = max hold.
 6. Allow trace to fully stabilize.
 7. Use the peak marker function to determine the maximum amplitude level.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

10.3 Measurement Setup (Block Diagram of Configuration)



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10.4 Measurement Result

Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



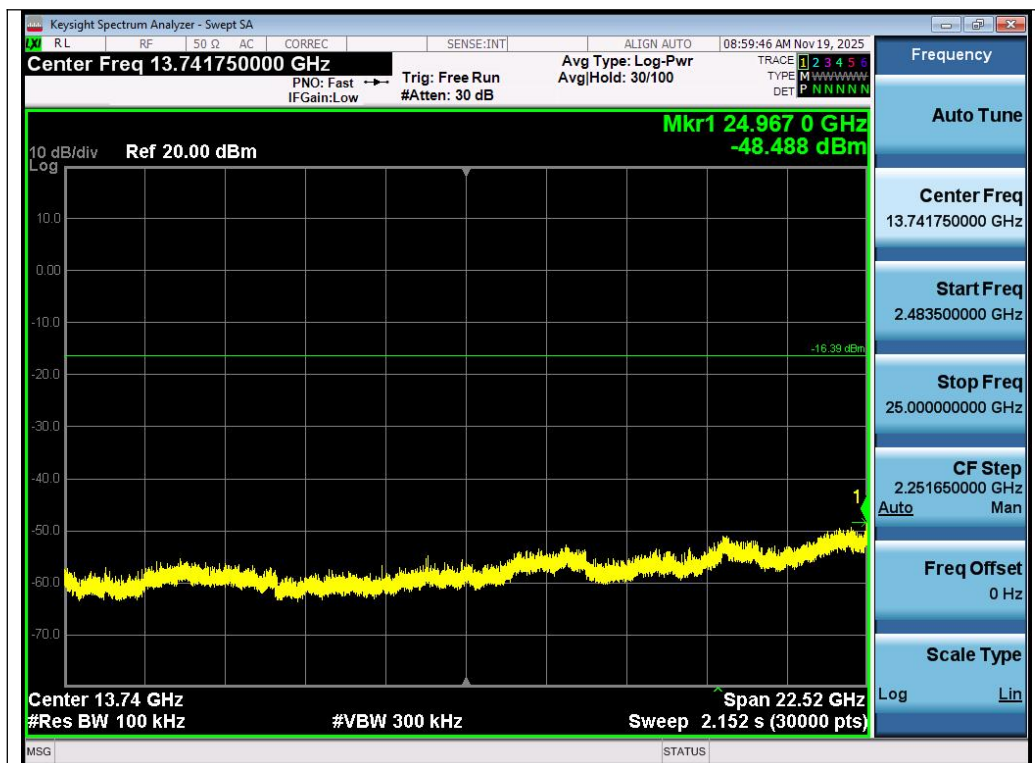
Test_Graph_802.11b_Chain A_2412_1Mbps_Reference Level



Test Graph 802.11b Chain A 2412 1Mbps Lower Band Emissions

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Test_Graph_802.11b_Chain A_2412_1Mbps_Higher Band Emissions

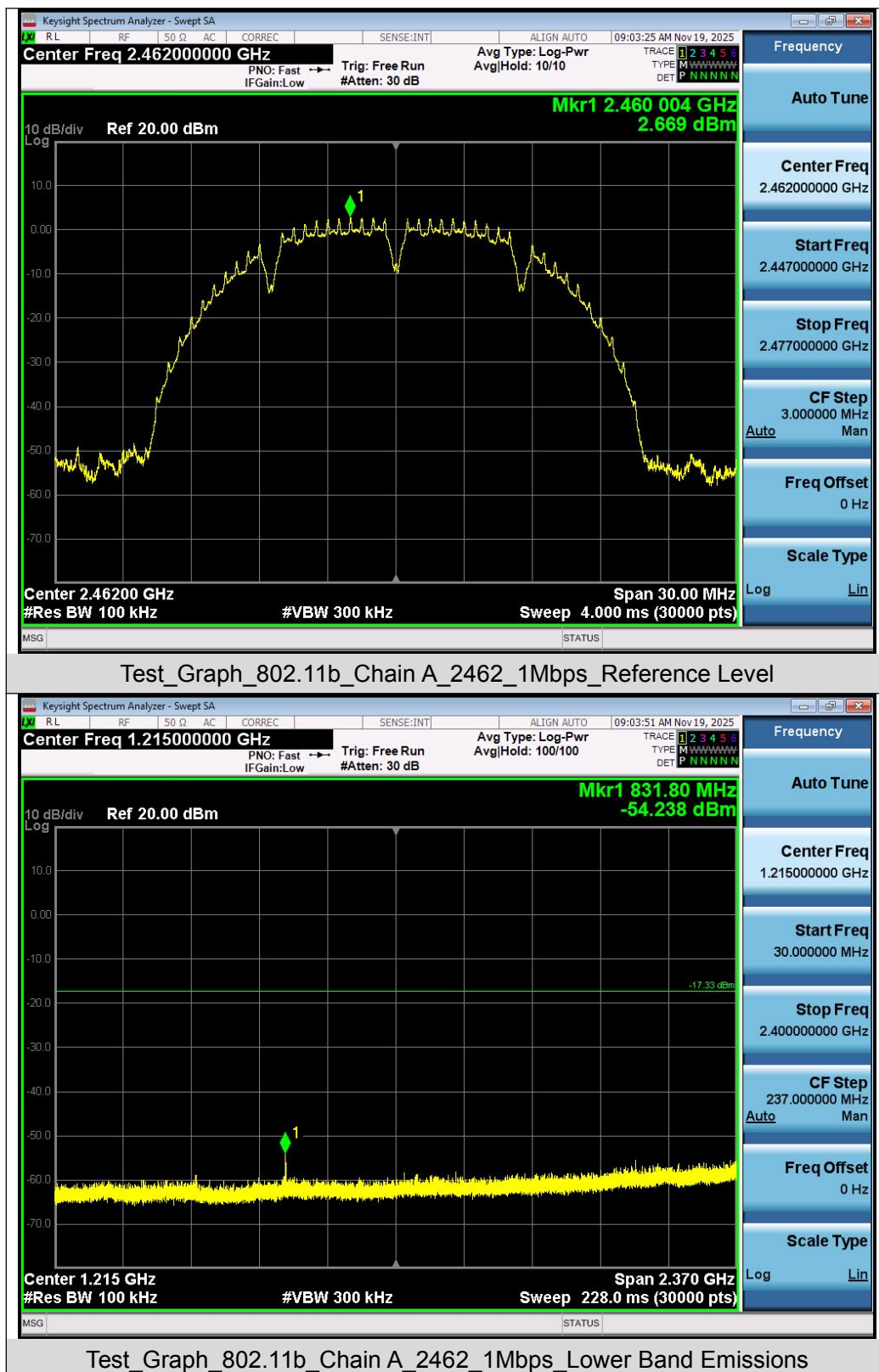


Test_Graph_802.11b_Chain A_2437_1Mbps_Reference Level

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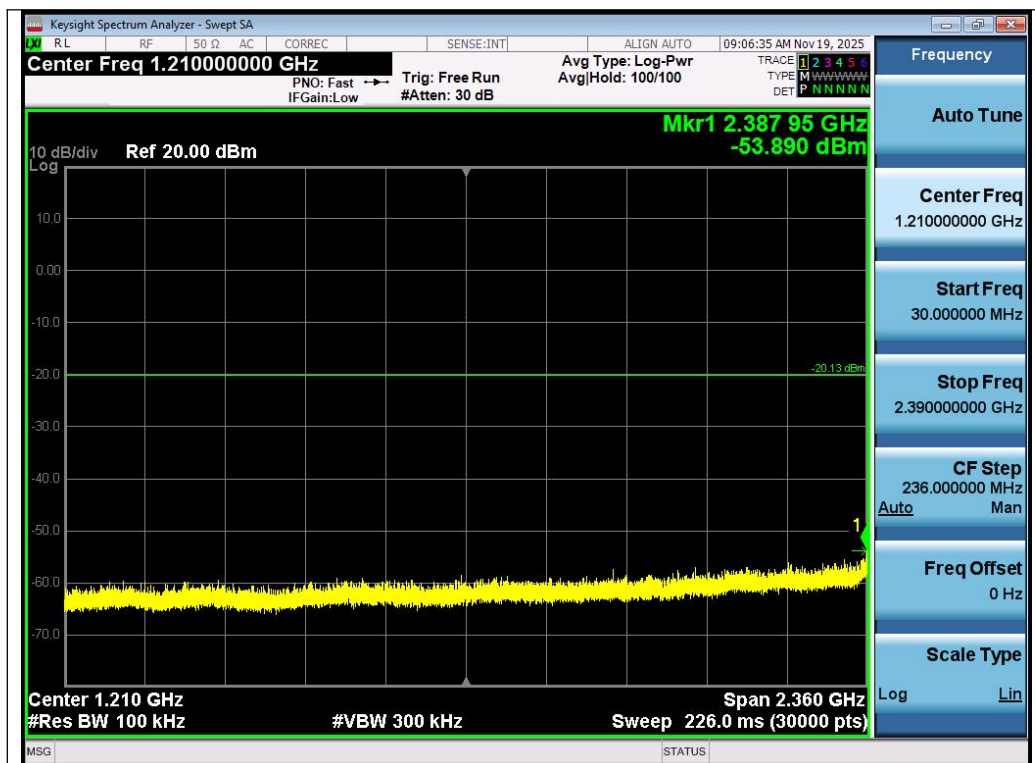
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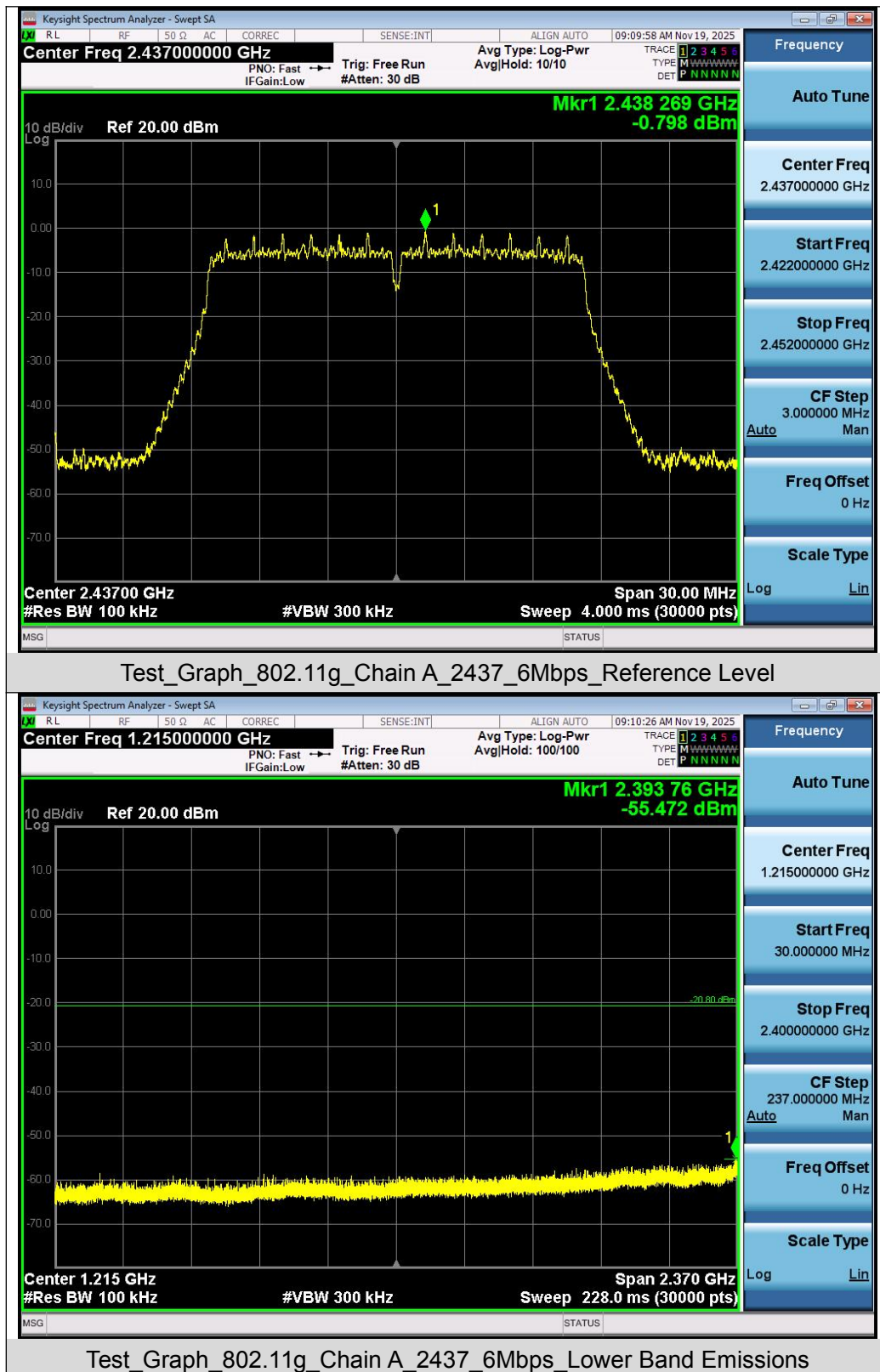
Test_Graph_802.11g_Chain A_2412_6Mbps_Reference Level

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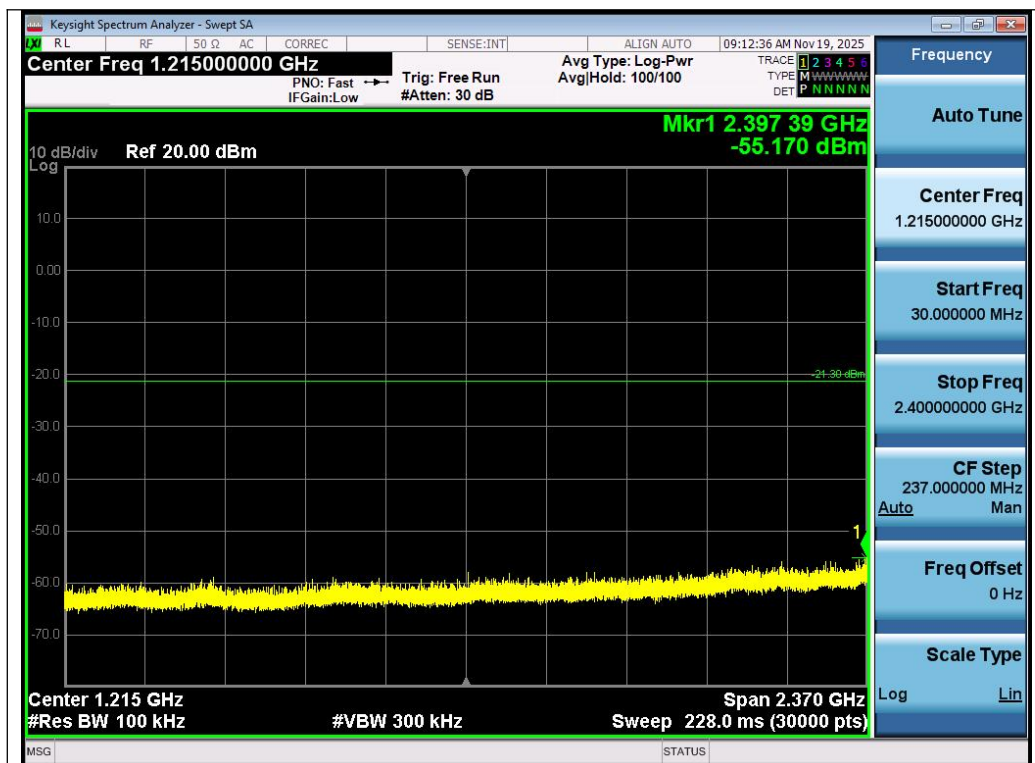
Test_Graph_802.11g_Chain A_2437_6Mbps_Higher Band Emissions



Test_Graph_802.11g_Chain A_2462_6Mbps_Reference Level

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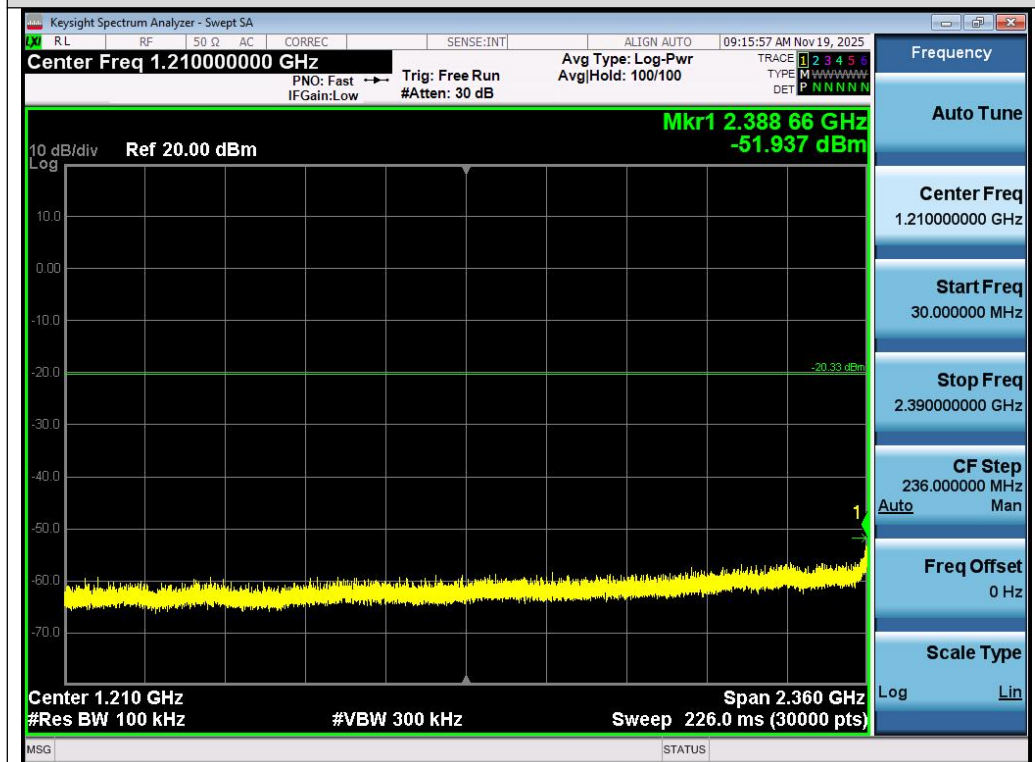


Test_Graph_802.11g_Chain A_2462_6Mbps_Lower Band Emissions



Test_Graph_802.11g_Chain A_2462_6Mbps_Higher Band Emissions

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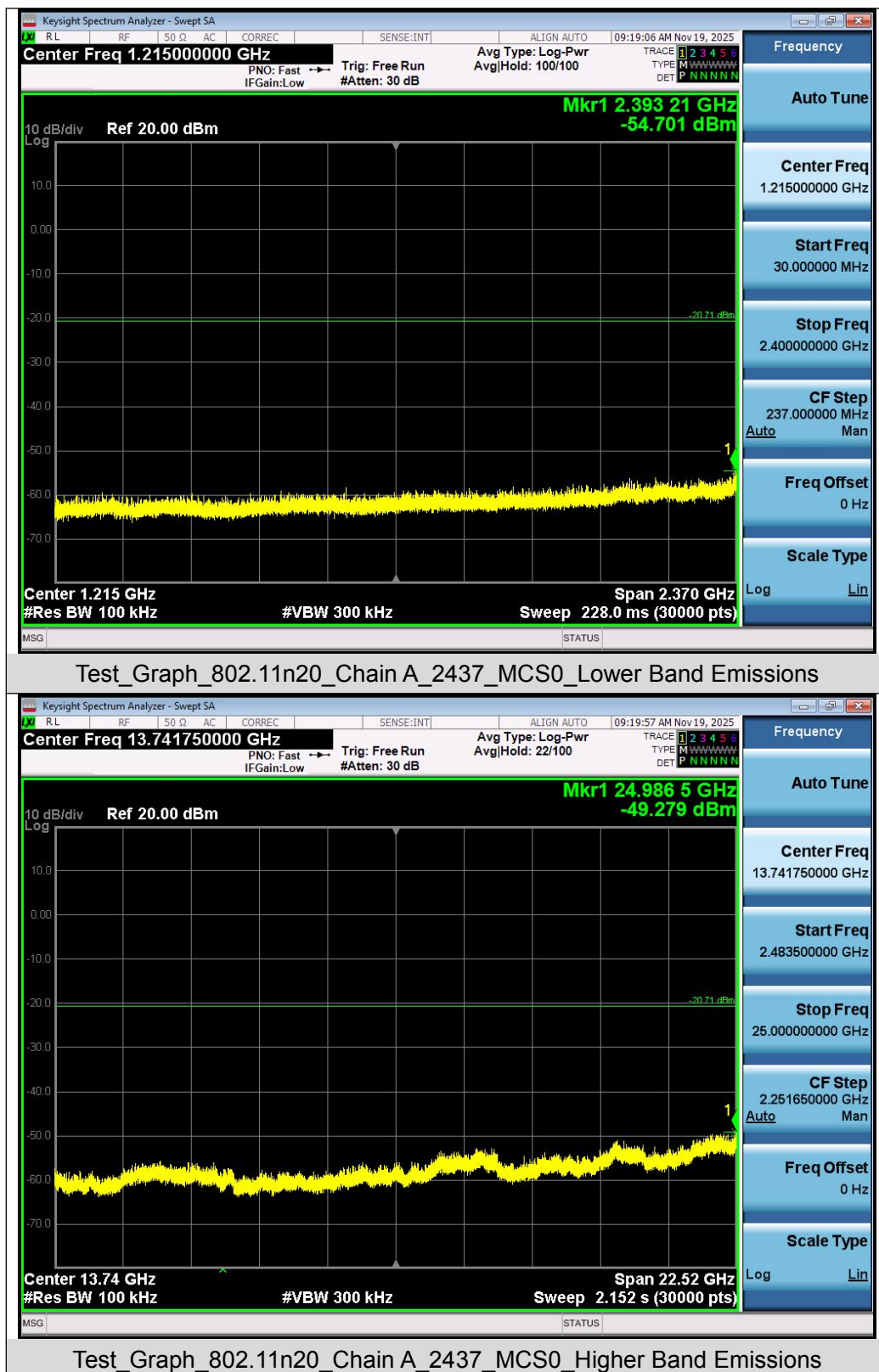


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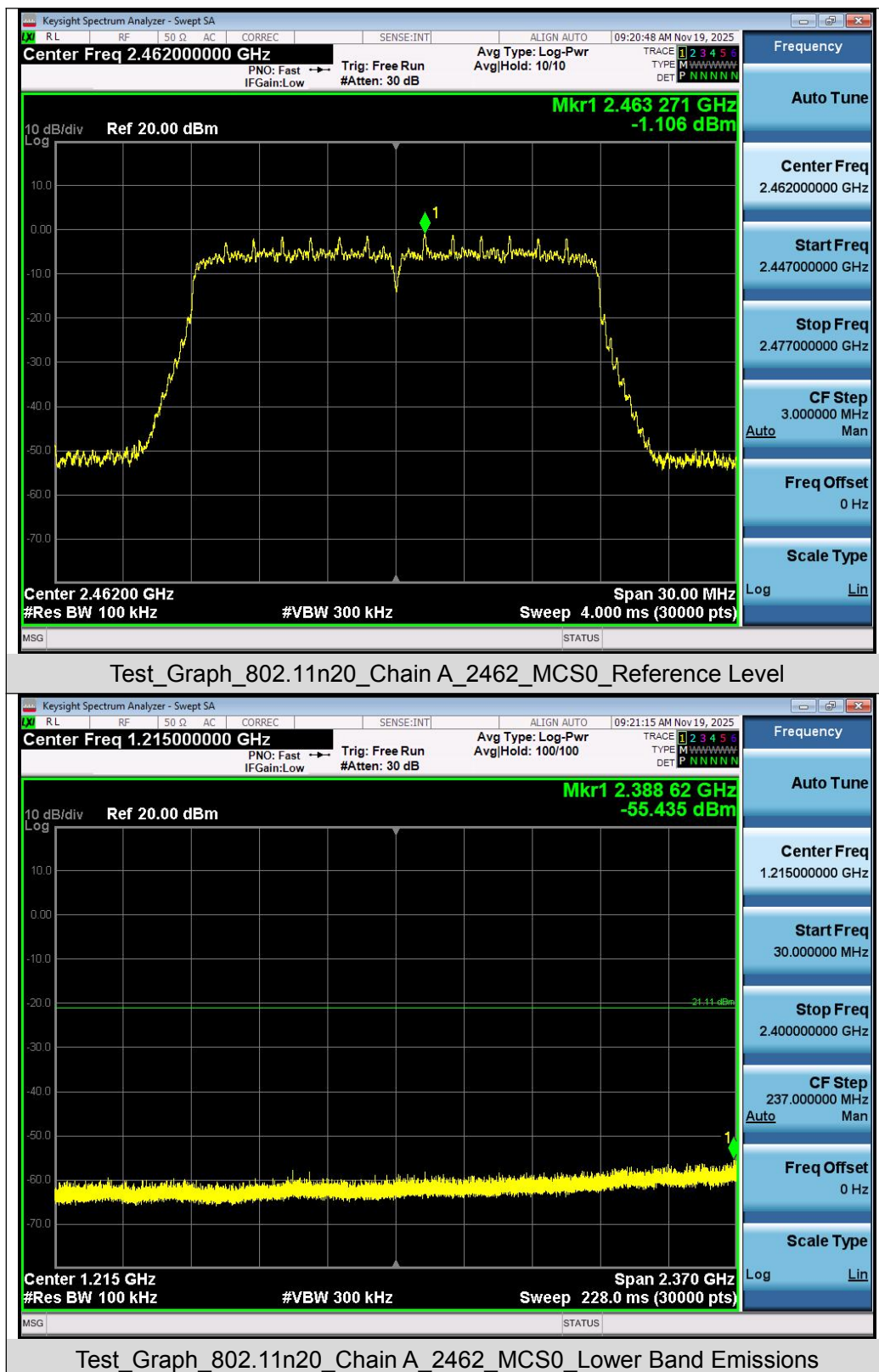


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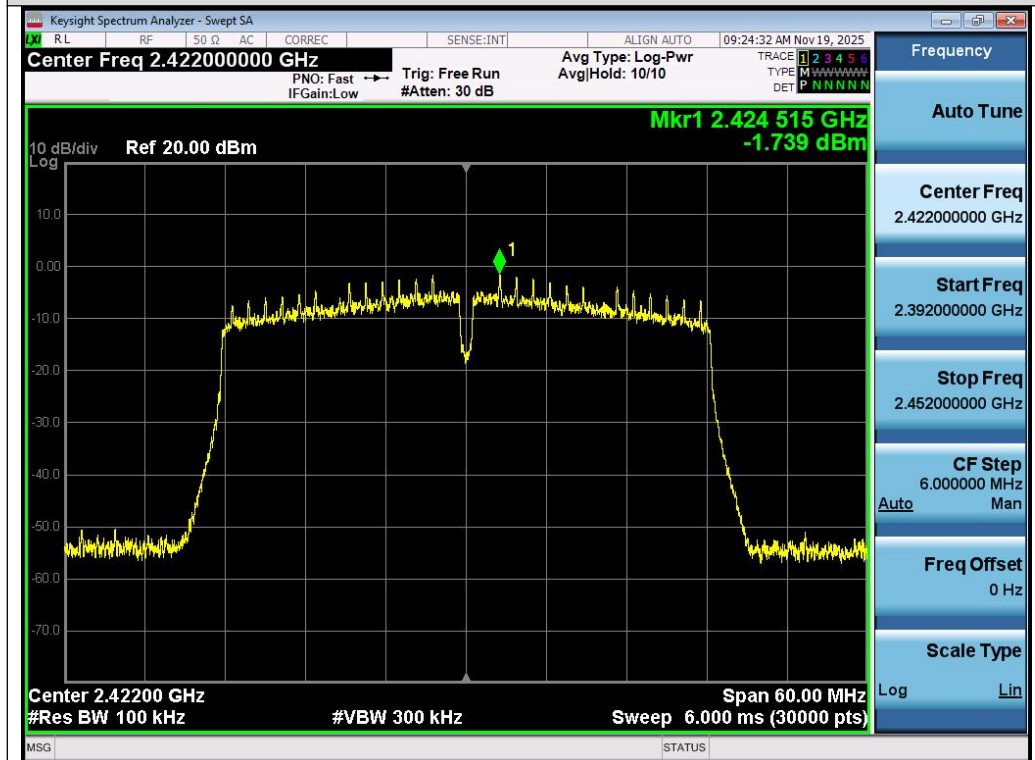
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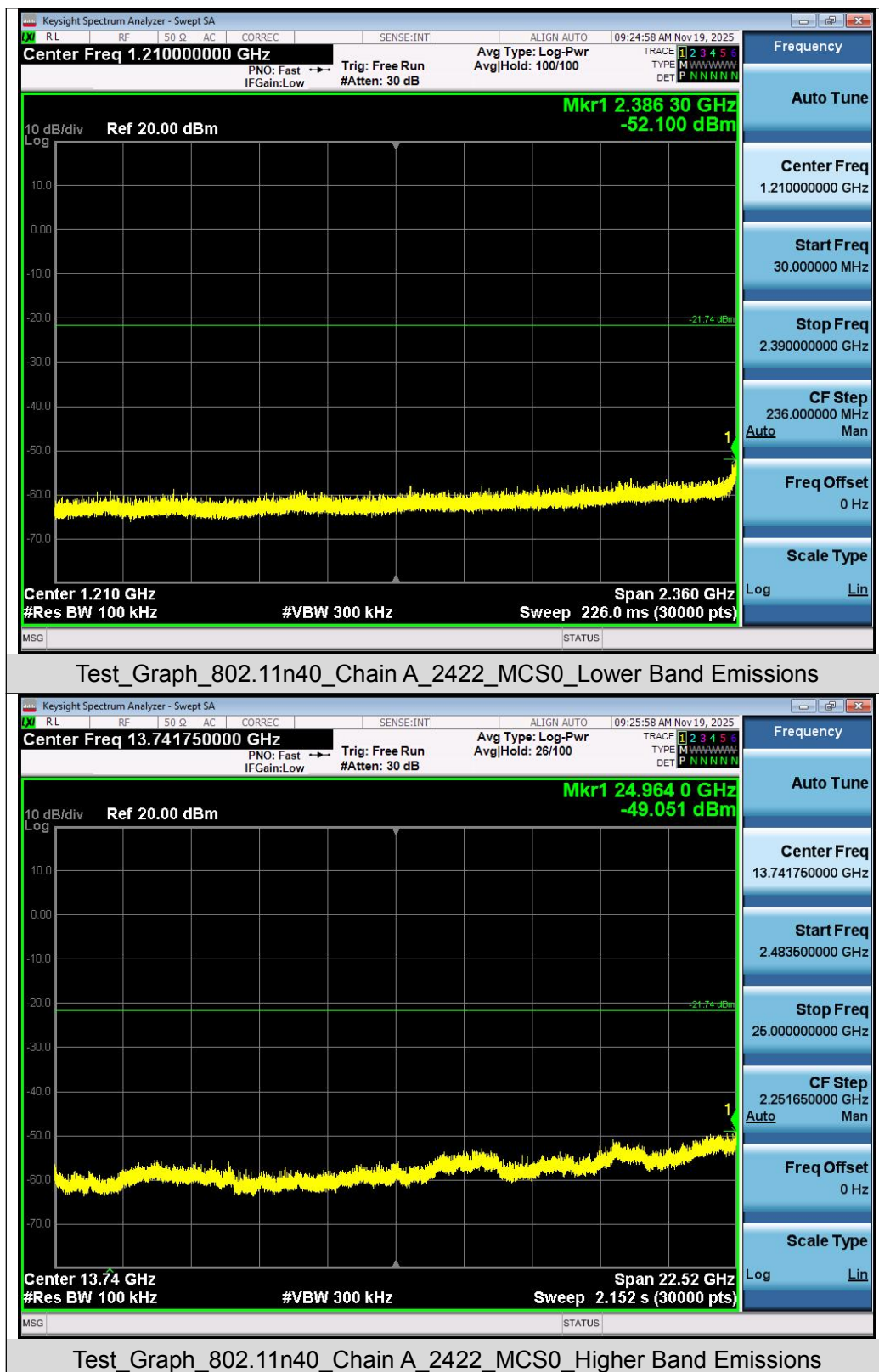


Test_Graph_802.11n20_Chain A_2462_MCS0_Higher Band Emissions



Test_Graph_802.11n40_Chain A_2422_MCS0_Reference Level

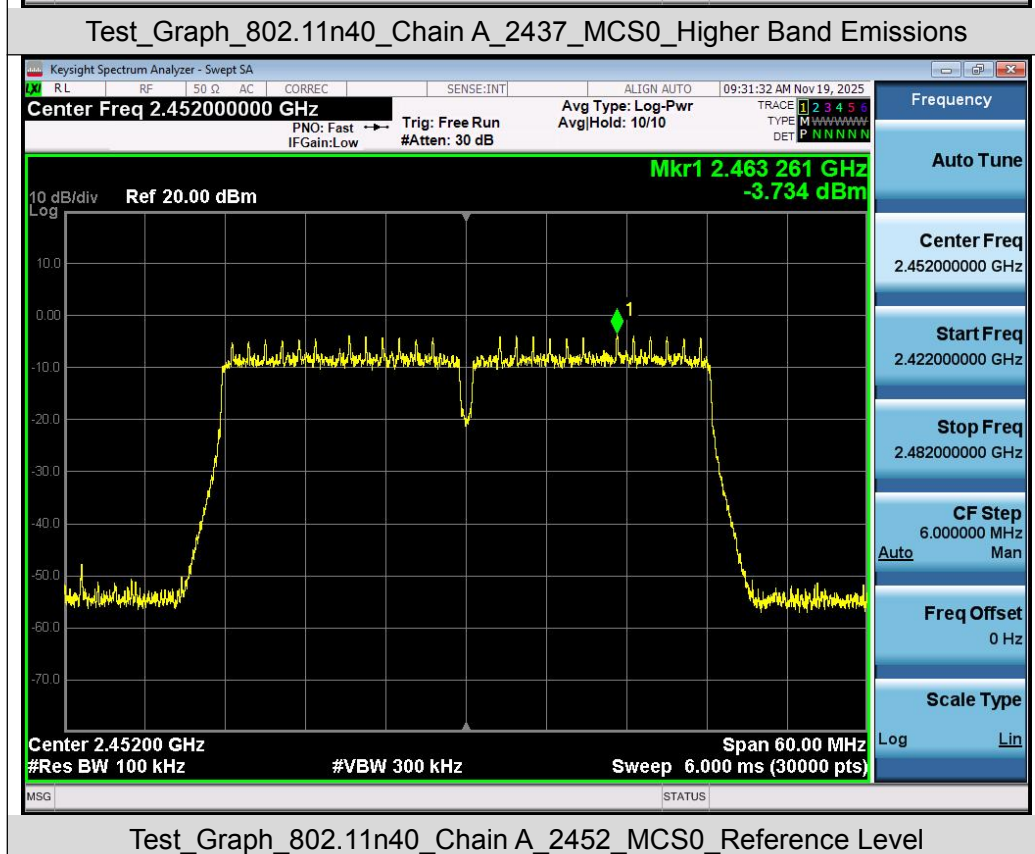
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