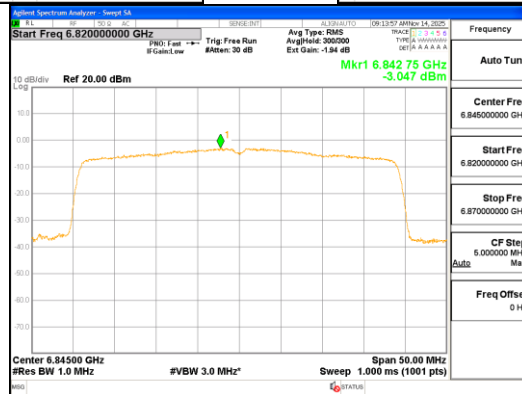
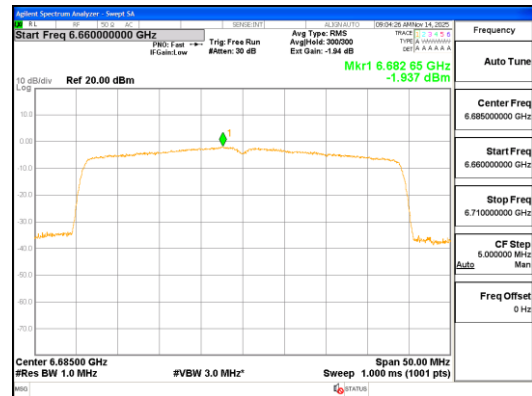
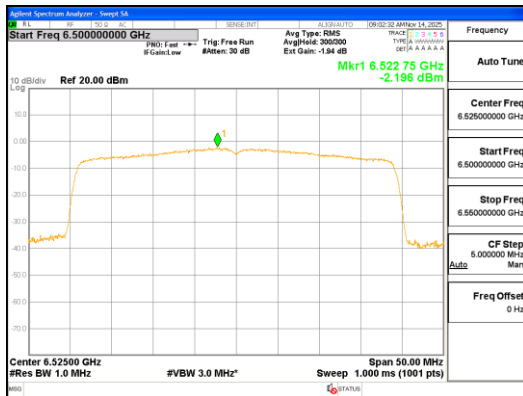




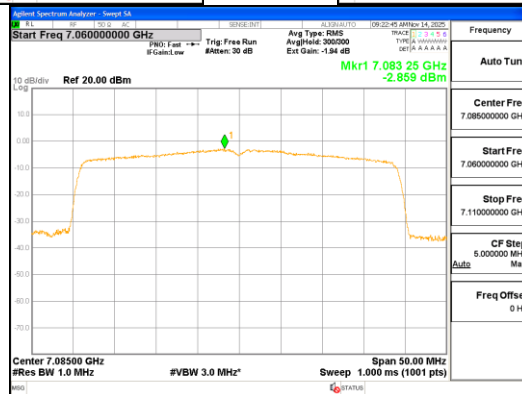
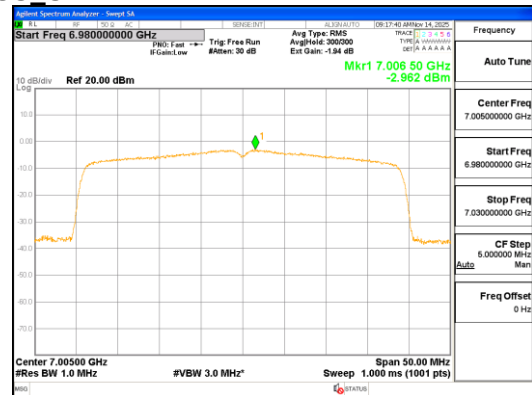
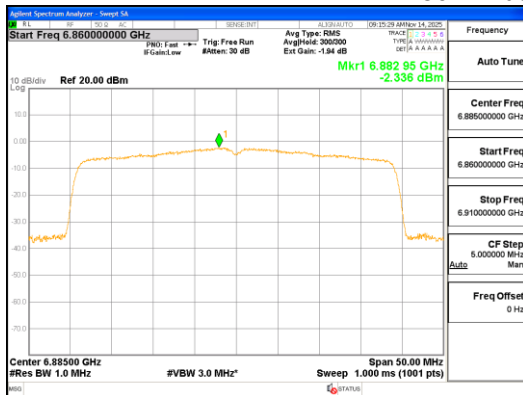
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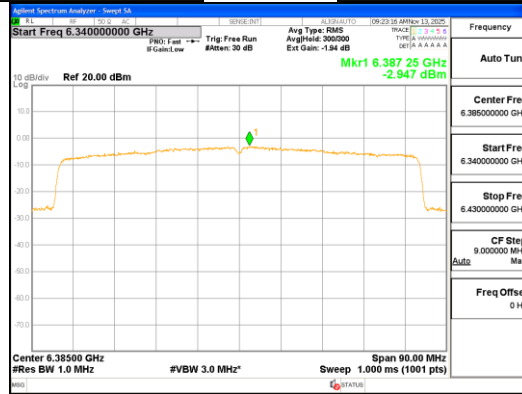
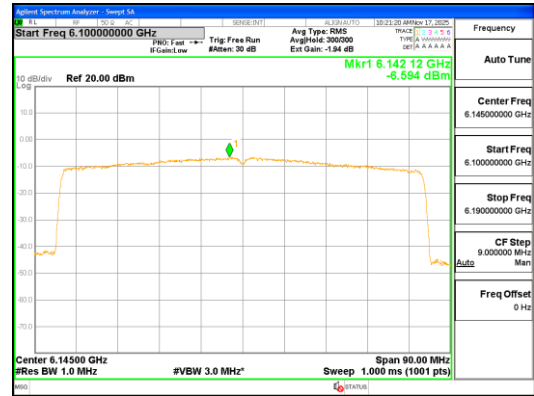
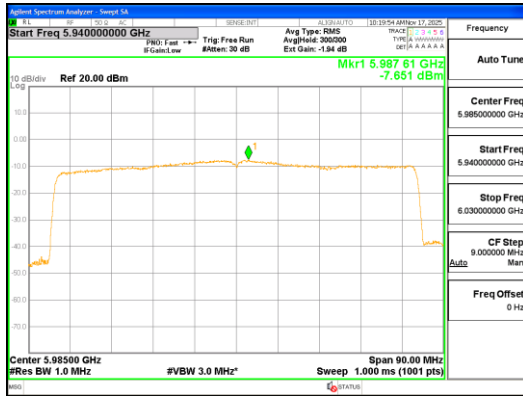
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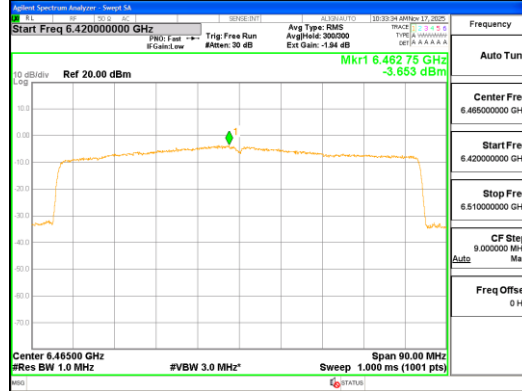
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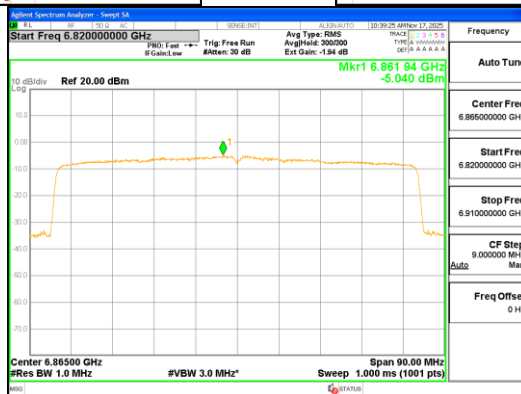
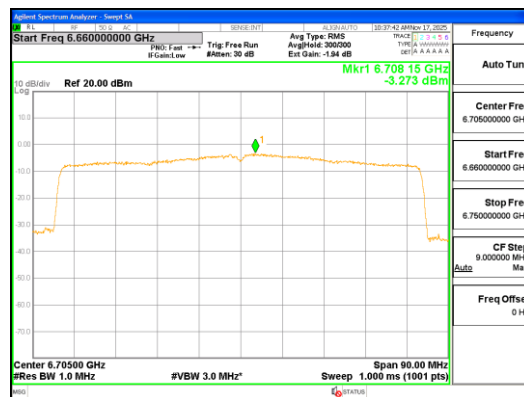
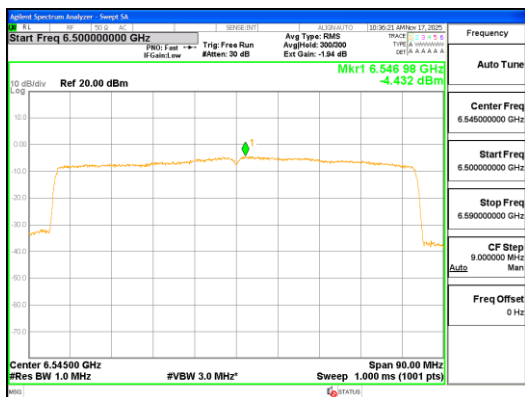
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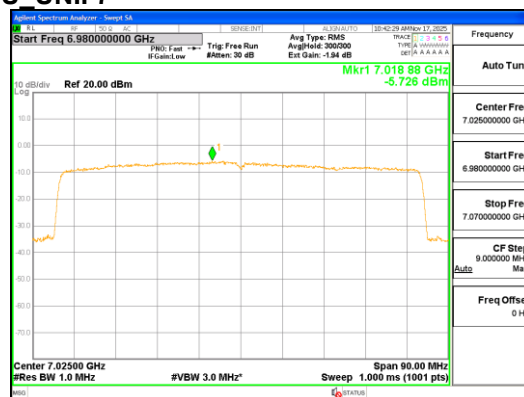
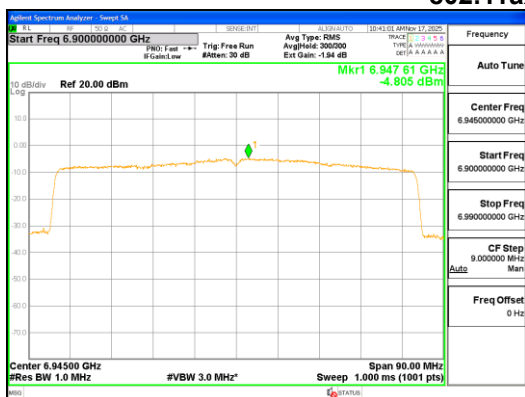
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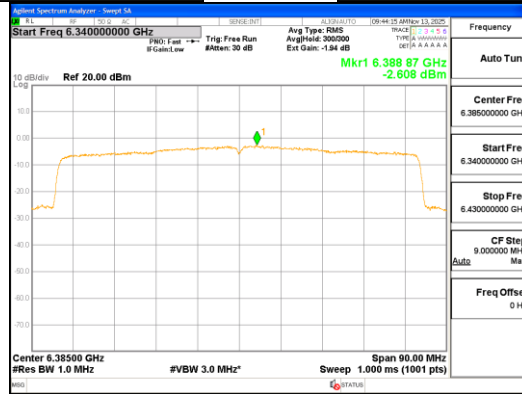
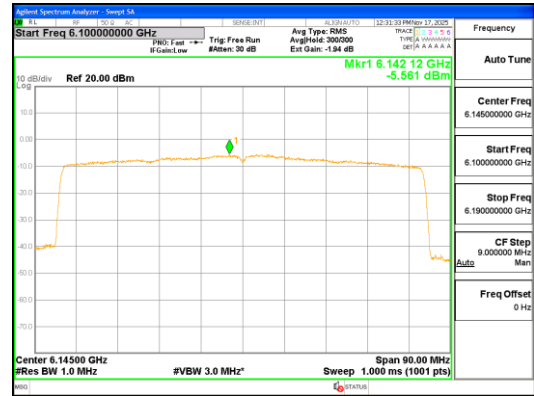
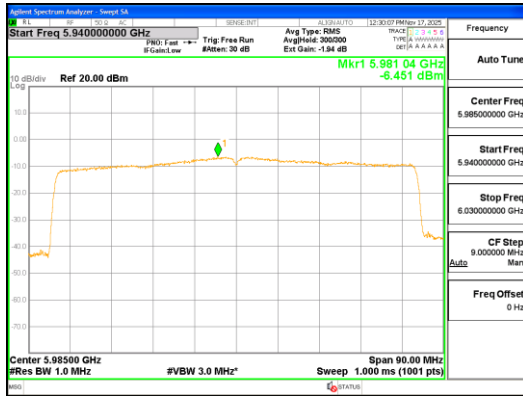
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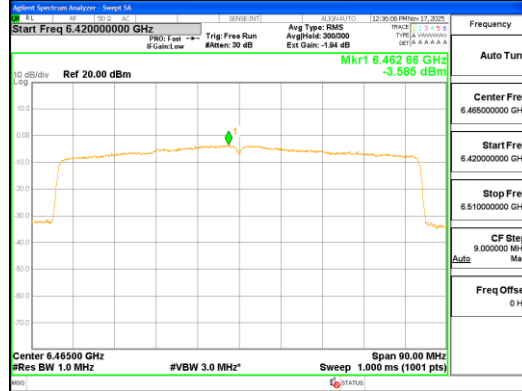
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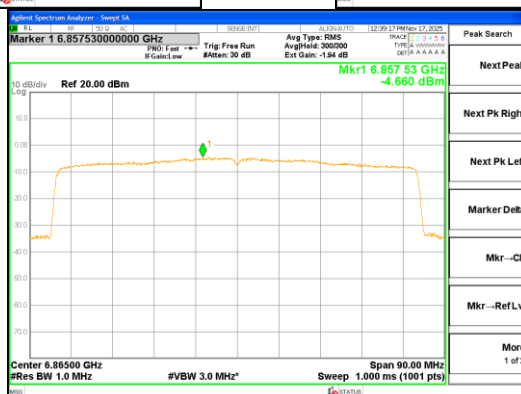
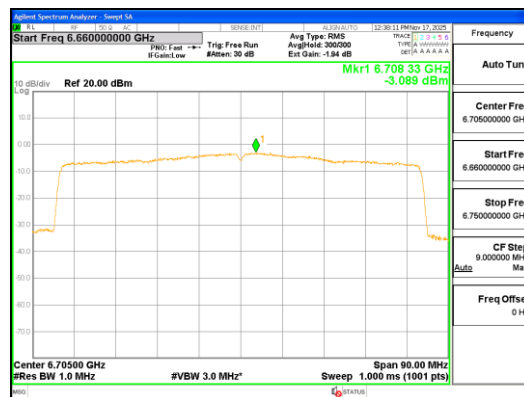
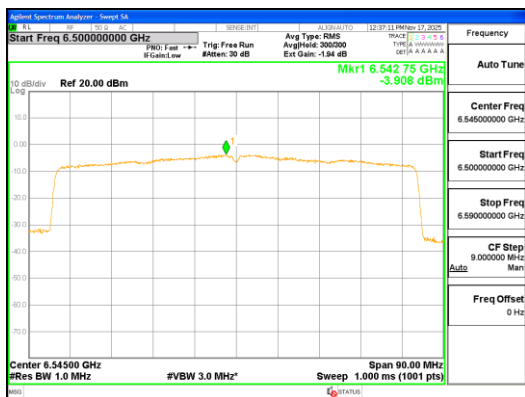
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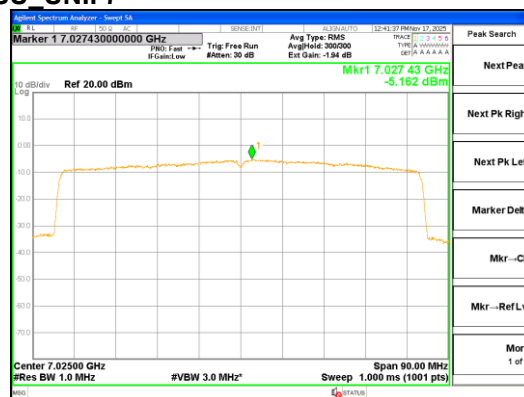
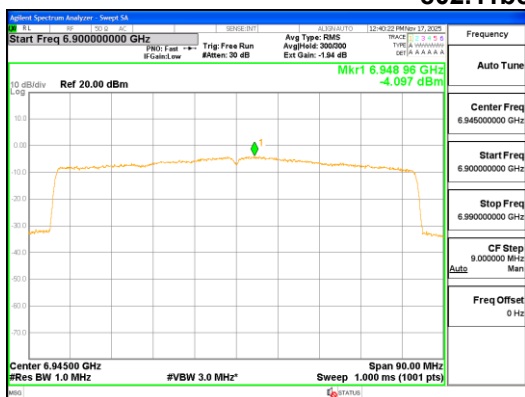
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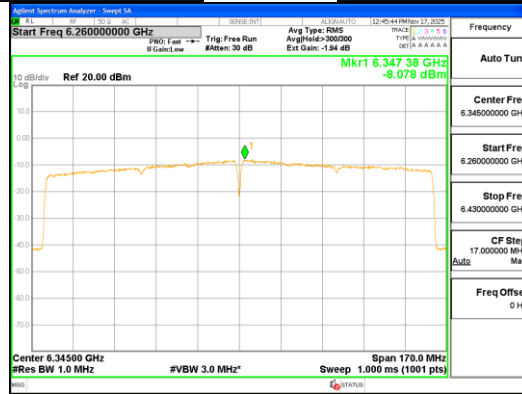
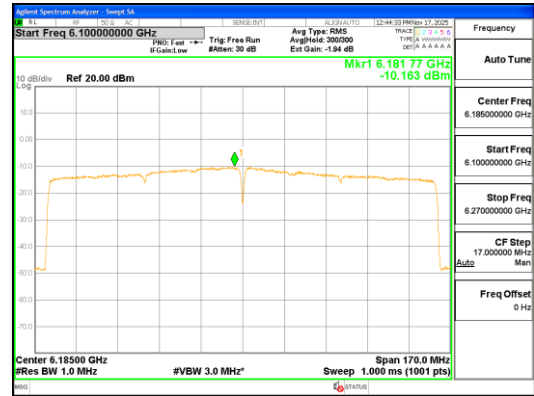
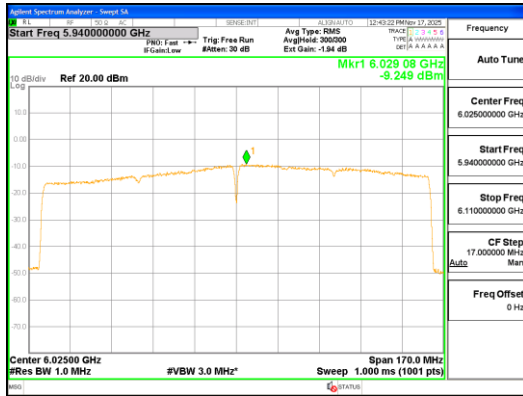
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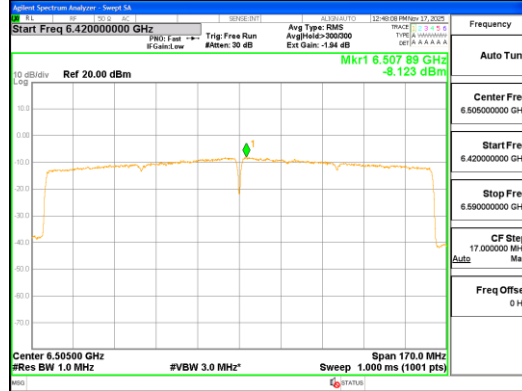
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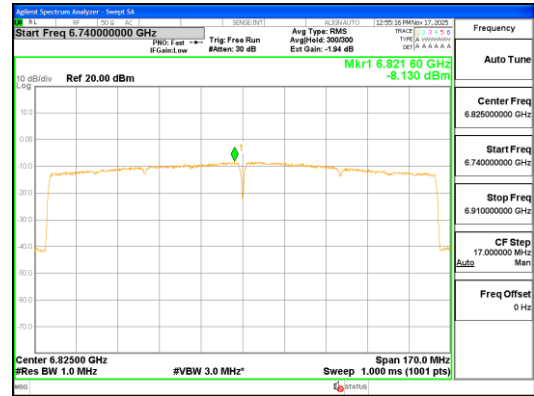
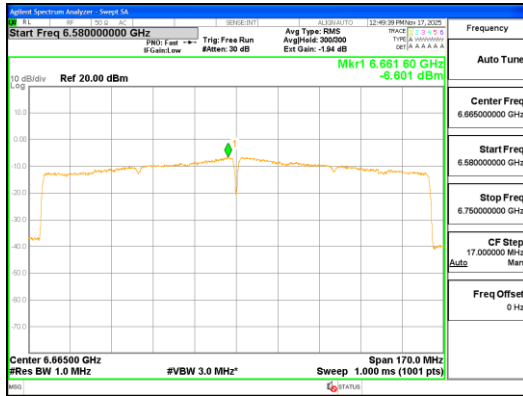


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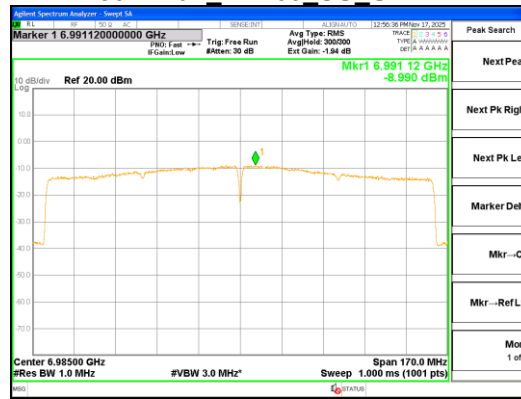


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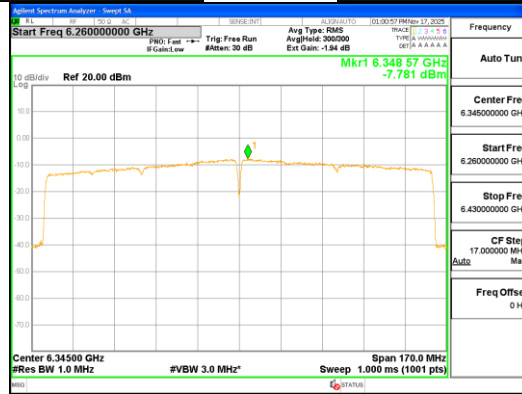
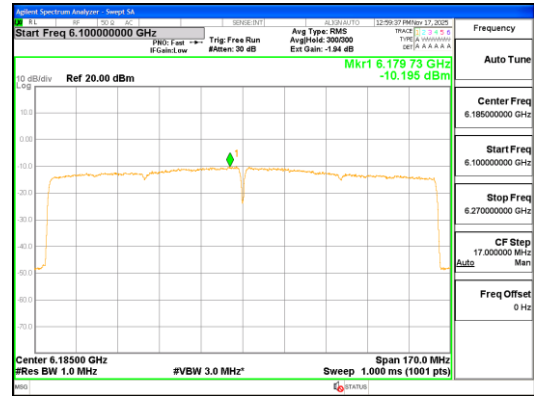
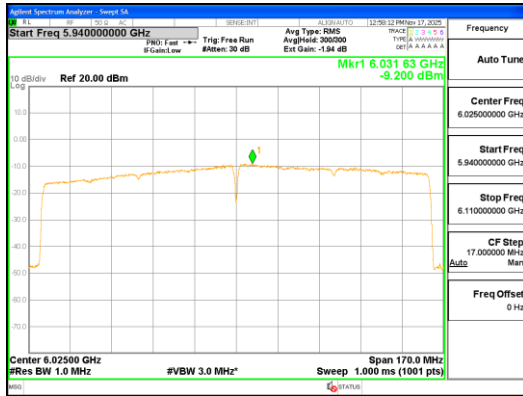
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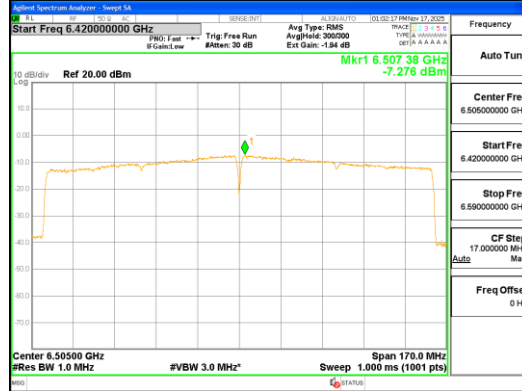
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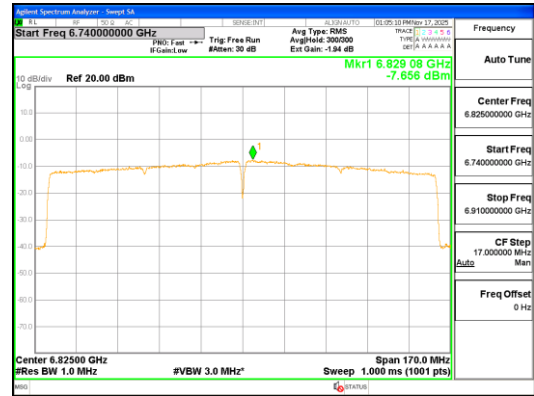
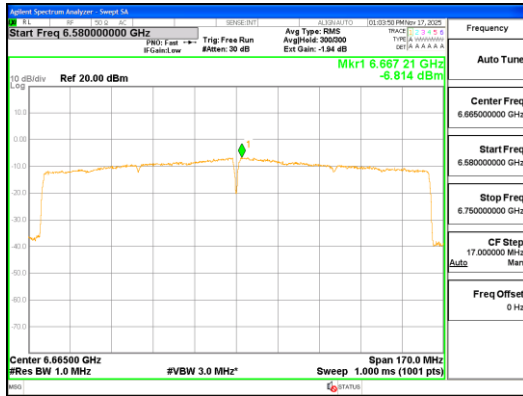
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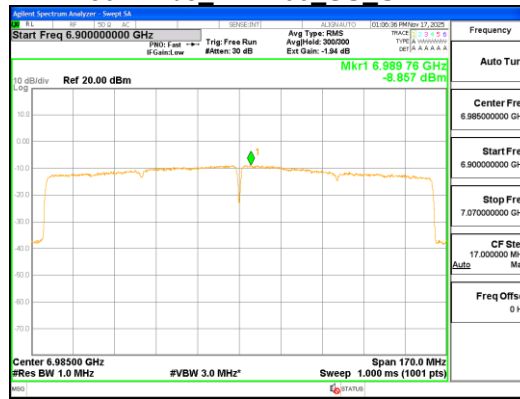
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4.4 In-Band Emissions

Test Procedures

KDB 987594 – Section J

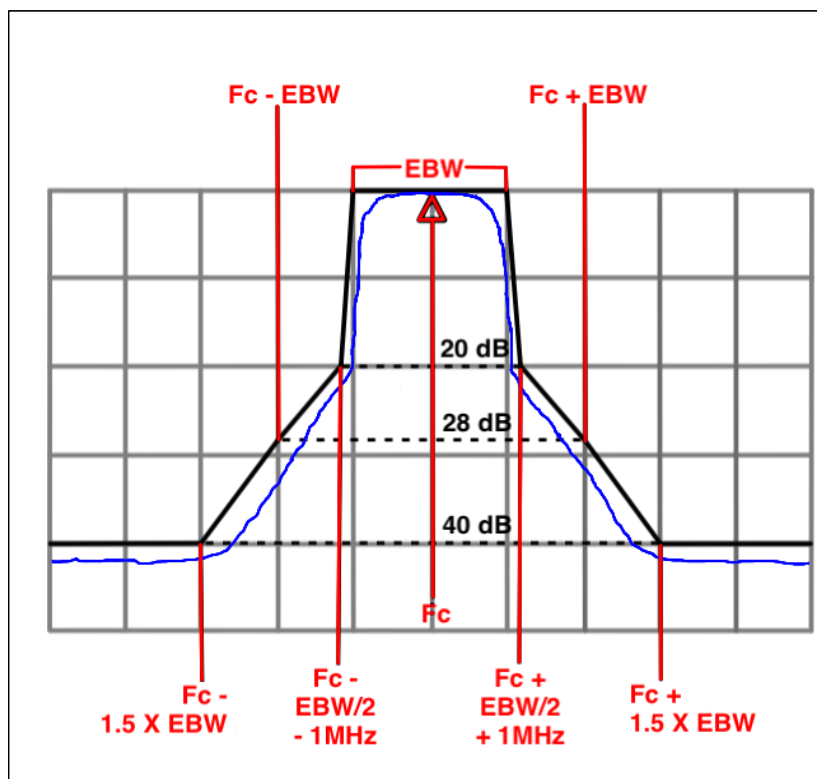
Test Settings :

1. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a. Set the span to encompass the entire 26 dB EBW of the signal.
 - b. Set RBW = same RBW used for 26 dB EBW measurement.
 - c. Set VBW $\geq 3 \times$ RBW
 - d. Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e. Sweep time = auto.
 - f. Detector = RMS (i.e., power averaging)
 - g. Trace average at least 100 traces in power averaging (rms) mode.
 - h. Use the peak search function on the instrument to find the peak of the spectrum.
2. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
3. Clear trace.
4. Trace average at least 100 traces in power averaging (rms) mode.
5. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

Limit

The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:

- Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
- Suppressed by 28 dB at one channel bandwidth from the channel center.
- Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.



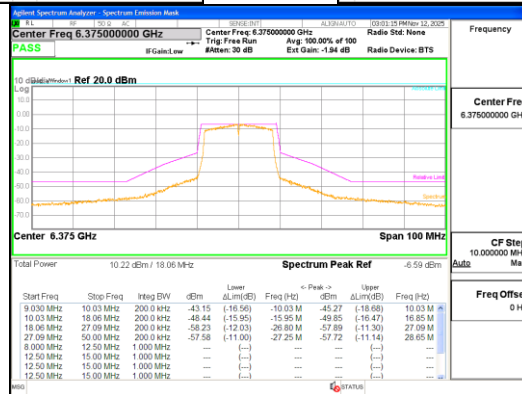
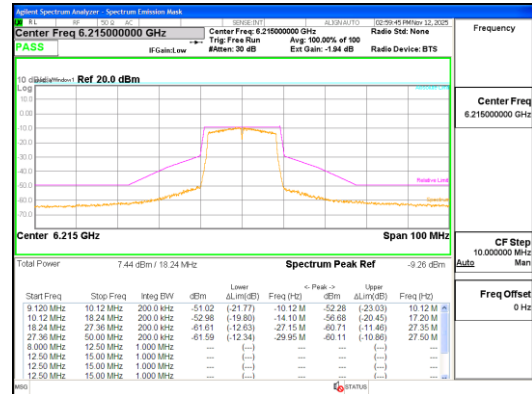
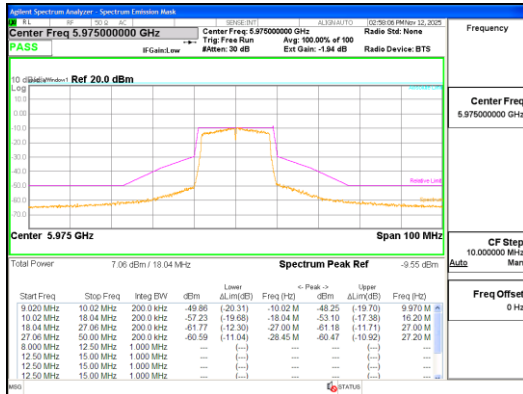
See next pages for actual measured spectrum plots.



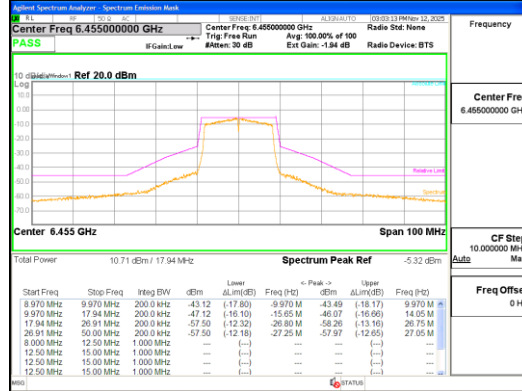
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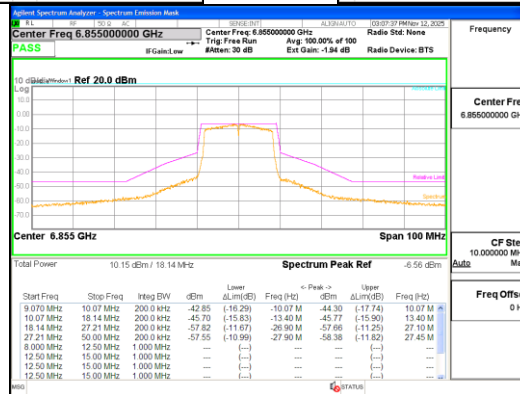
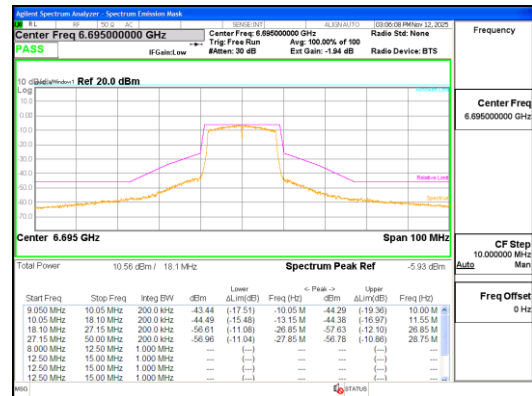
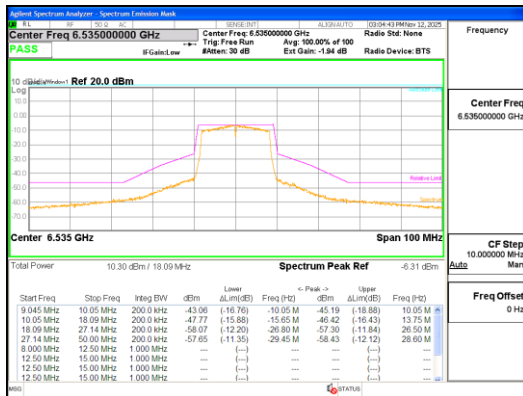
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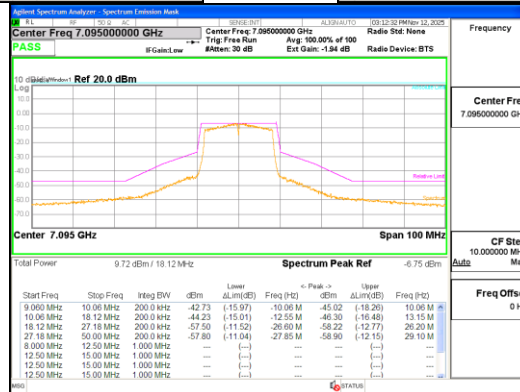
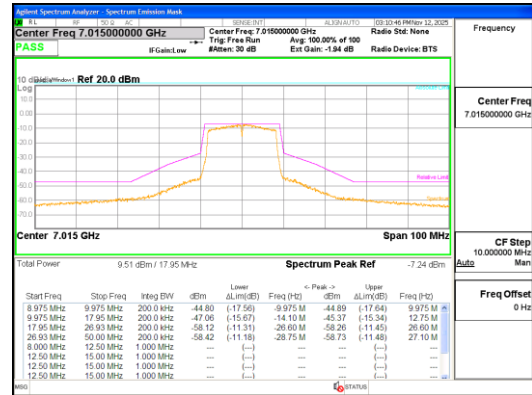
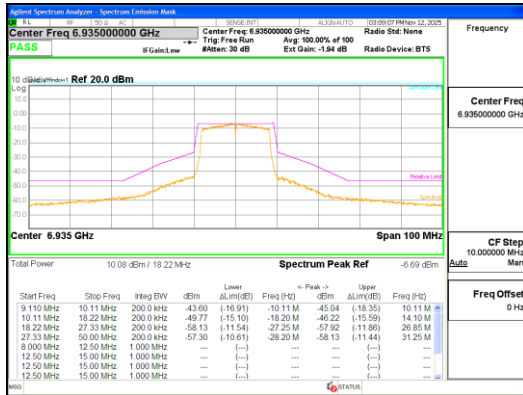
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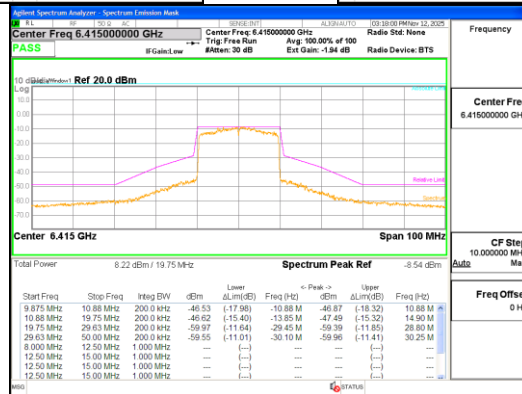
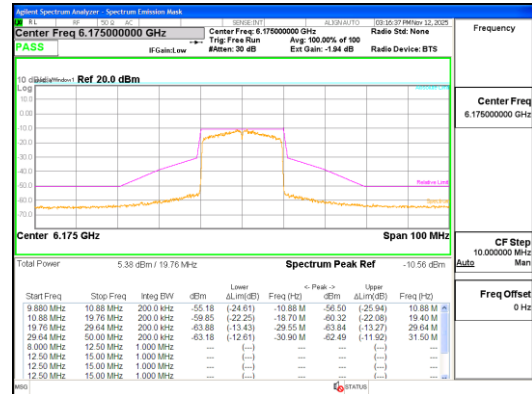
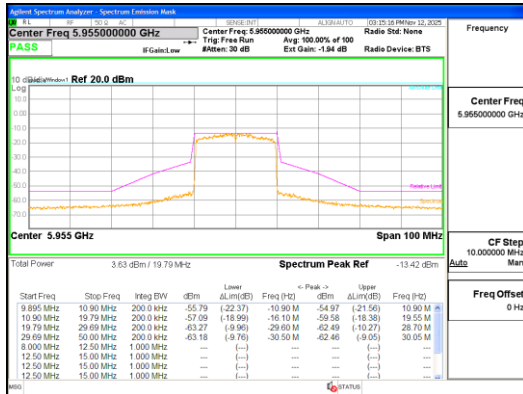
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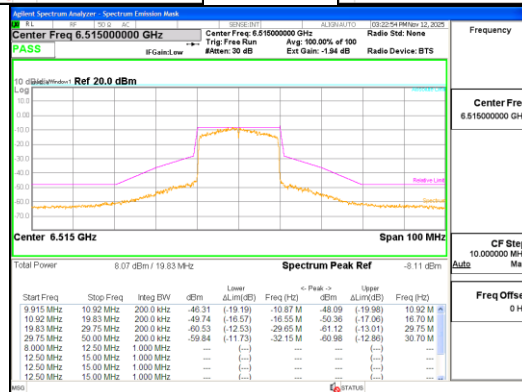
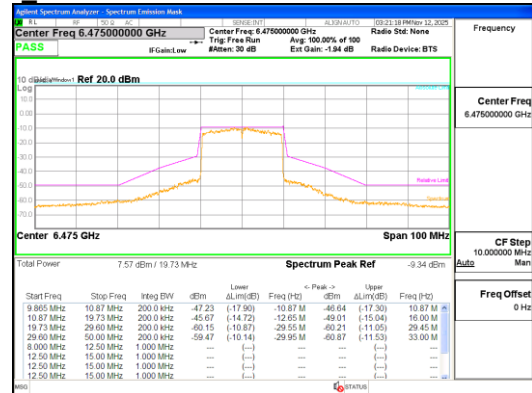
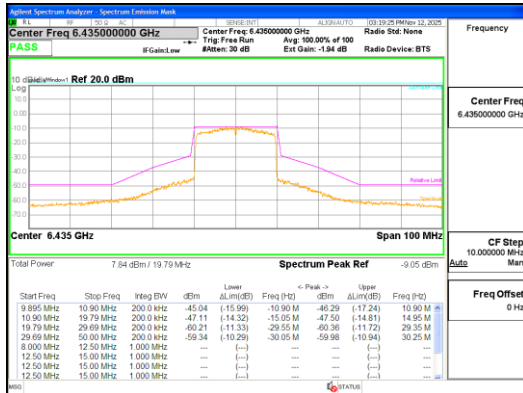
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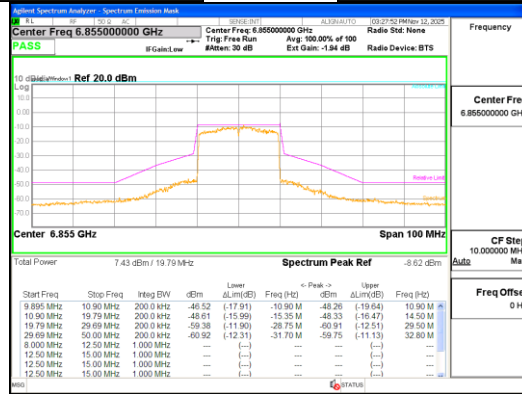
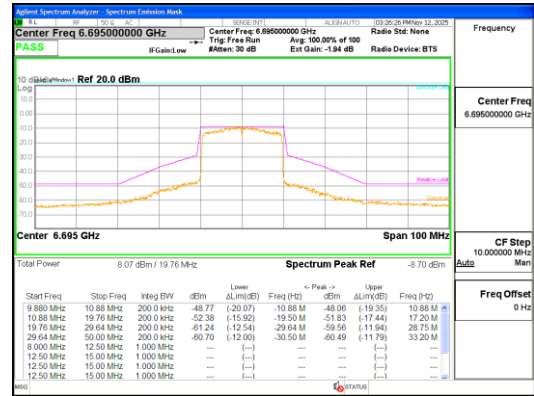
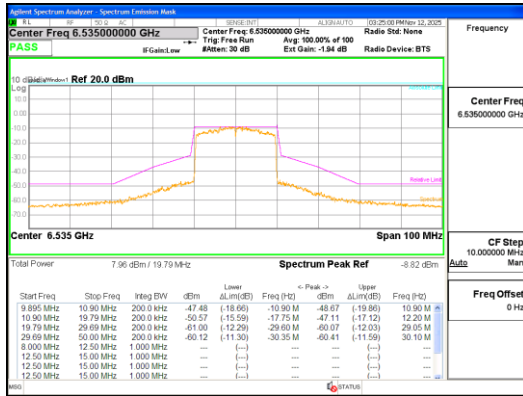
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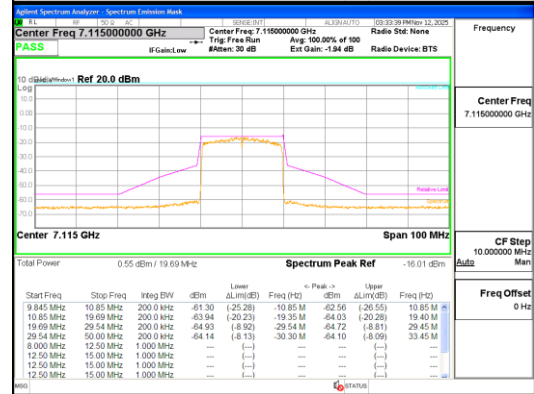
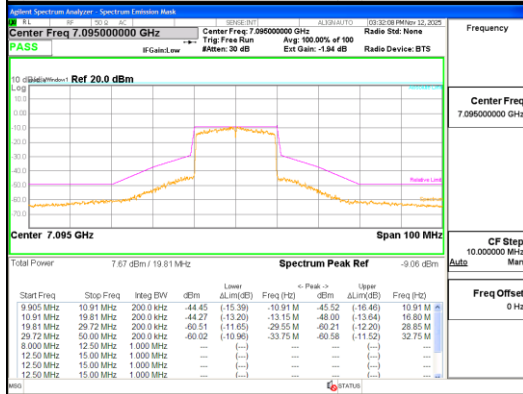
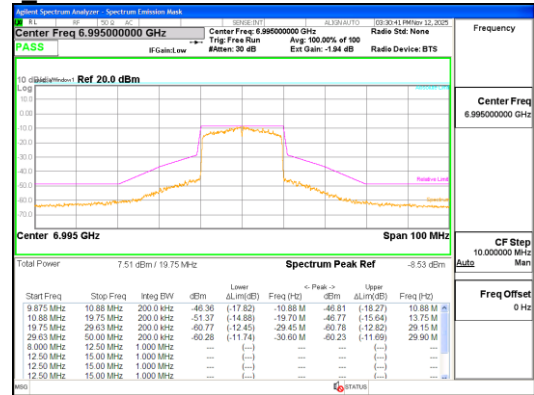
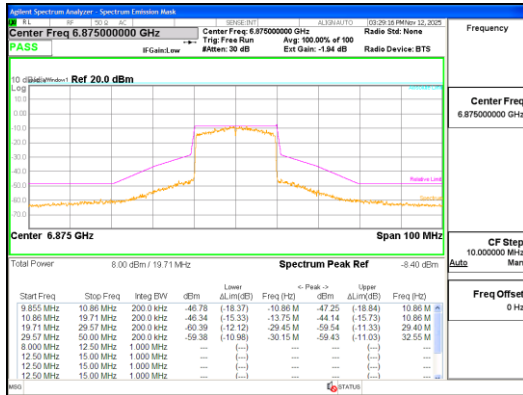
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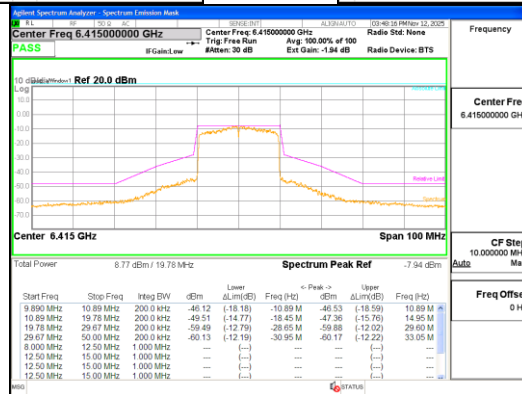
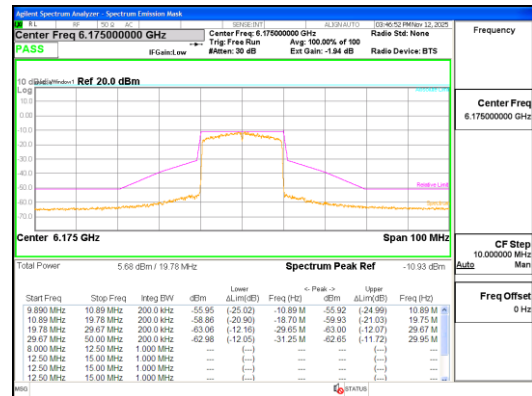
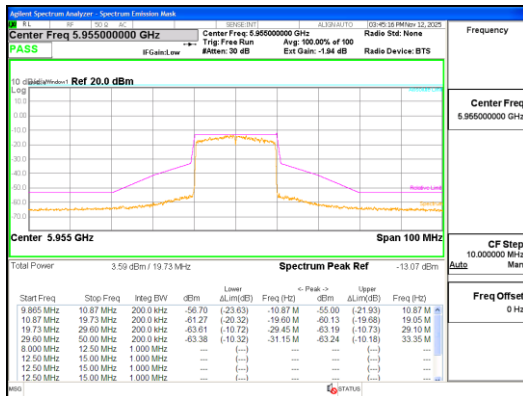
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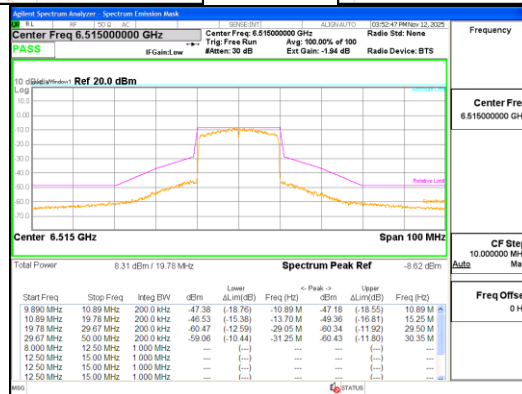
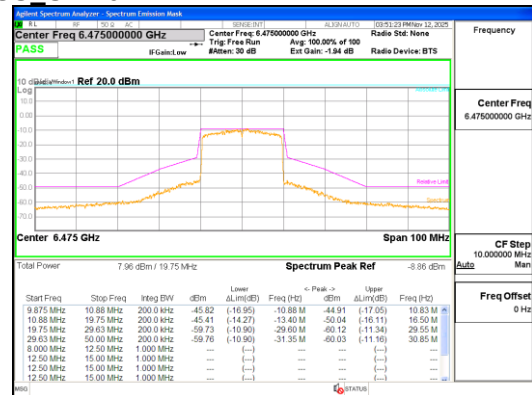
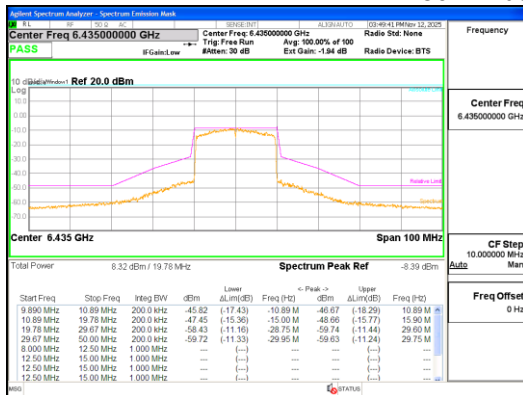
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