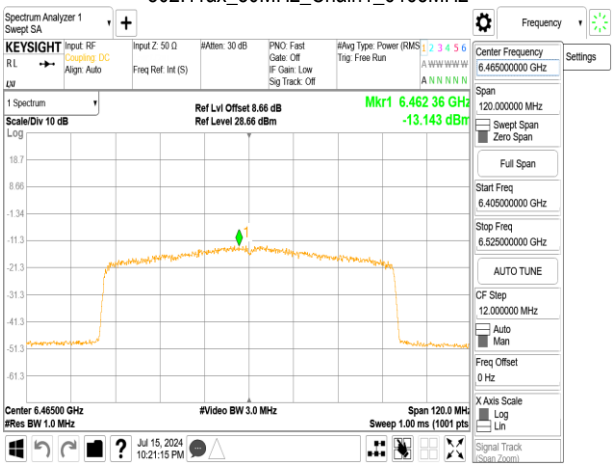
802.11ax_80MHz_Chain1_6465MHz



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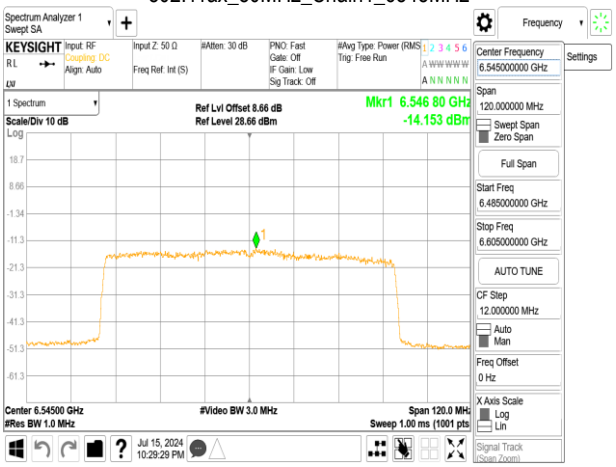
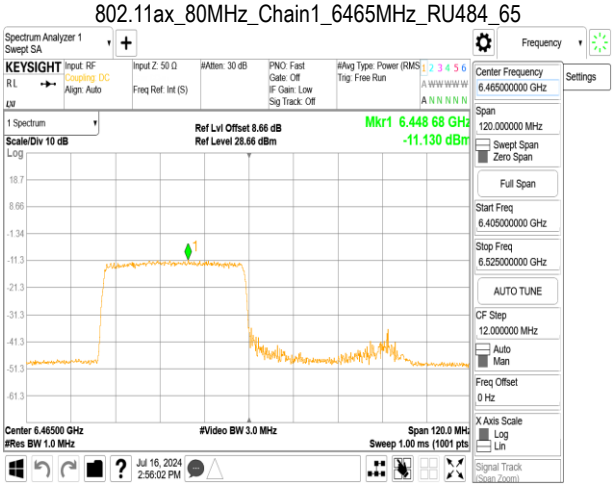


802.11ax_80MHz_Chain1_6465MHz_RU484_65



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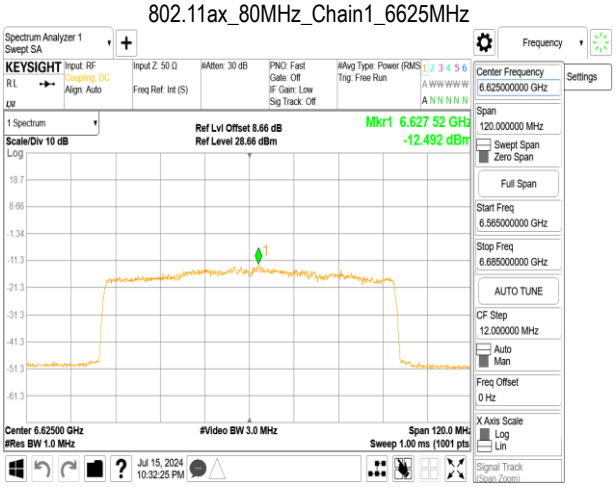

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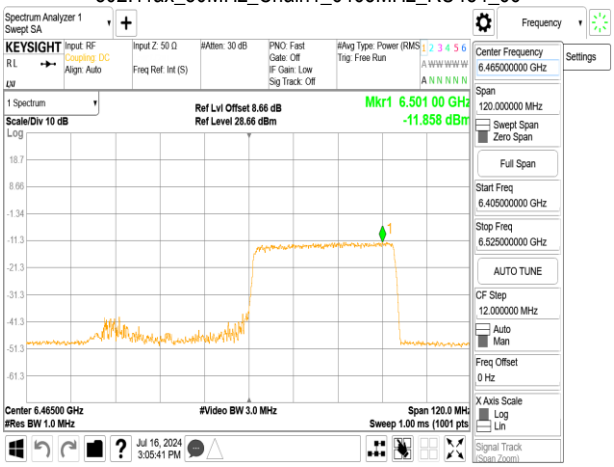

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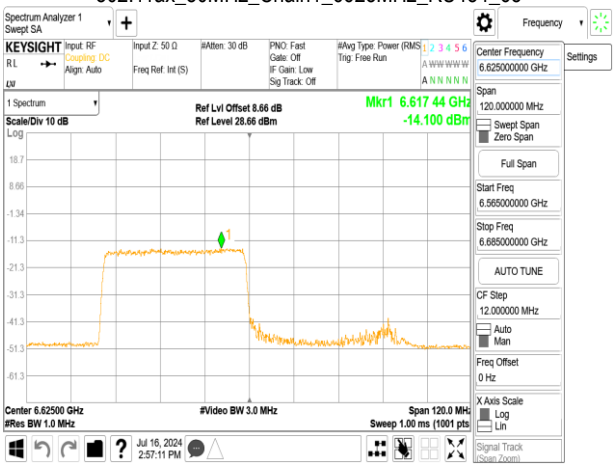

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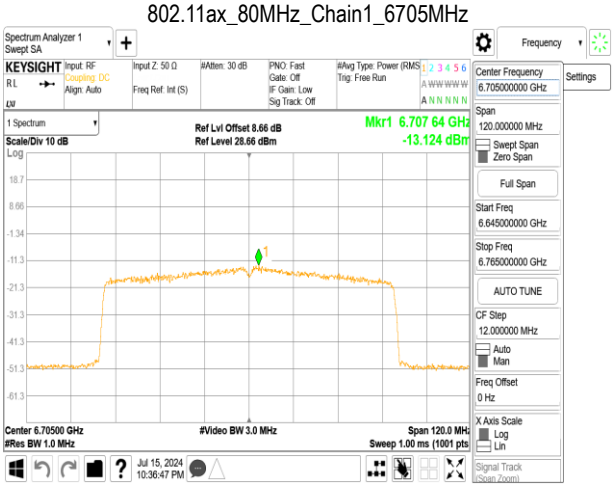
802.11ax_80MHz_Chain1_6705MHz



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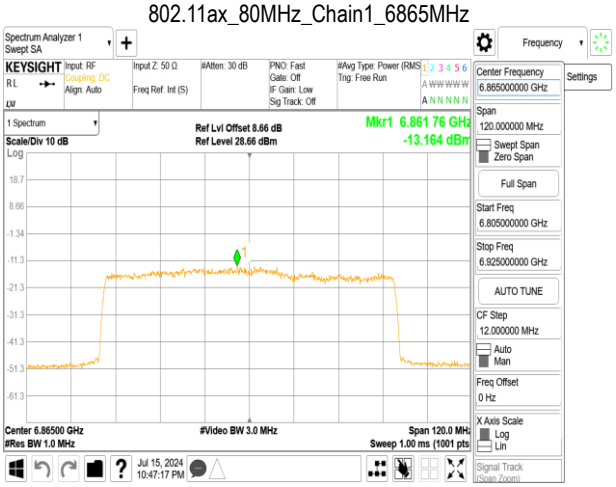
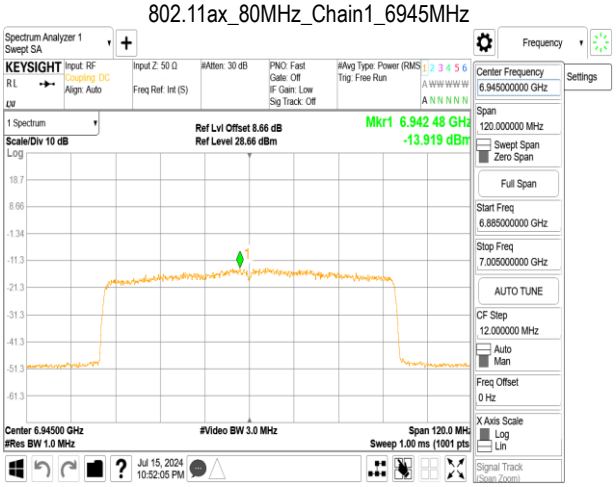


802.11ax_80MHz_Chain1_6785MHz

802.11ax_80MHz_Chain1_6945MHz



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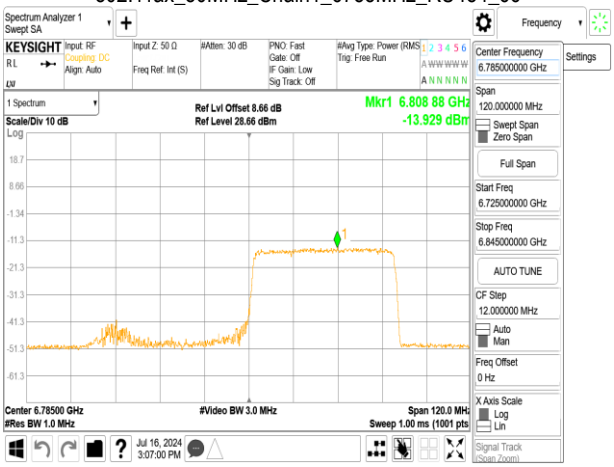
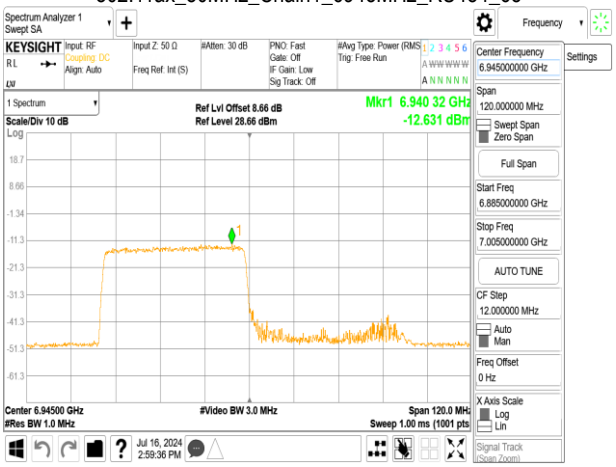


802.11ax_80MHz_Chain1_6945MHz_RU484_65



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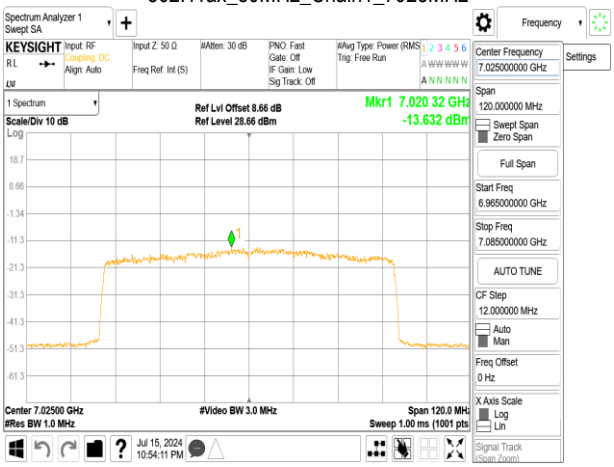
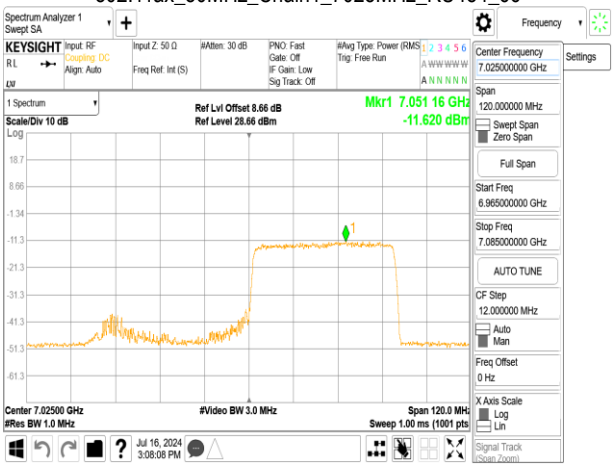
802.11ax_80MHz_Chain1_7025MHz



802.11ax_80MHz_Chain1_7025MHz_RU484_66



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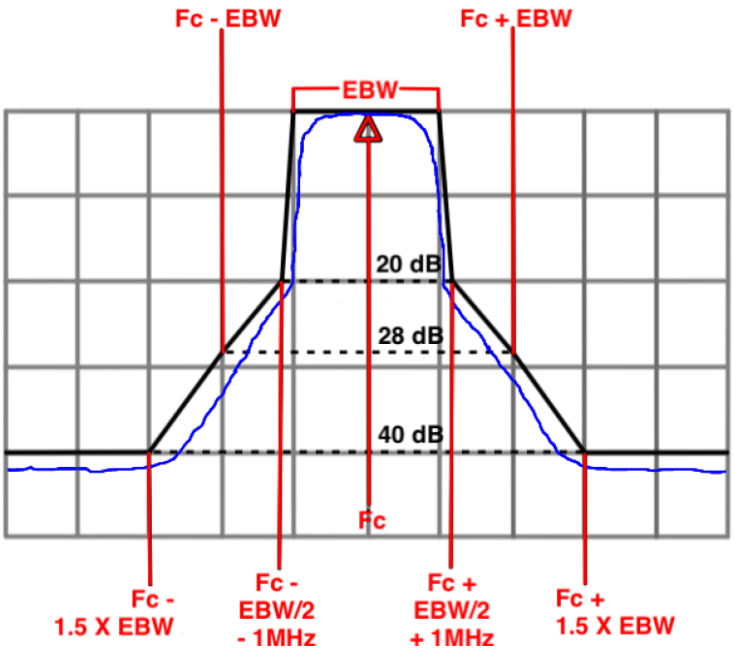
11 IN-BAND EMISSION

11.1 Standard Applicable

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.



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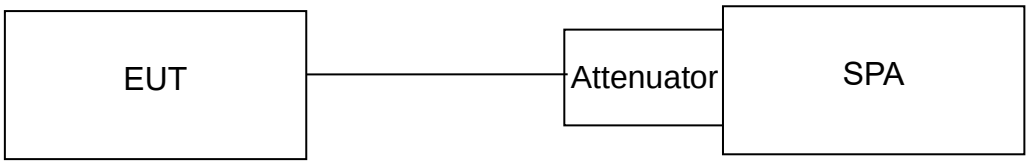
11.1 Test Setup



11.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 987594 D02 In-Band Emissions 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 ≥ 3 X RBW
   d. Number of points in sweep ≥ [2 X span / RBW].
   e. Sweep time = auto.
   f. Detector = RMS
   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.
3. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.

11.3 Measurement Result

Refer to next page for plots.

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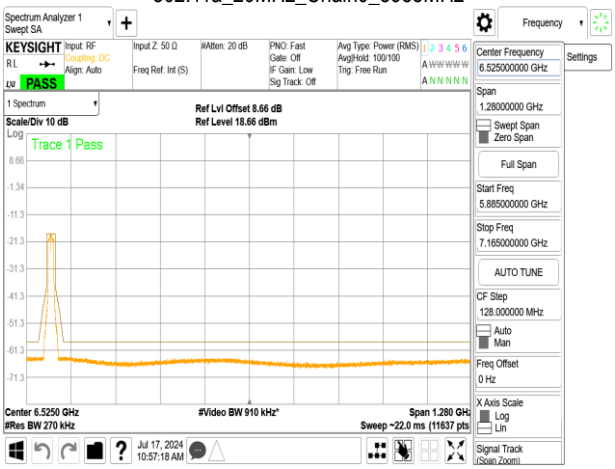
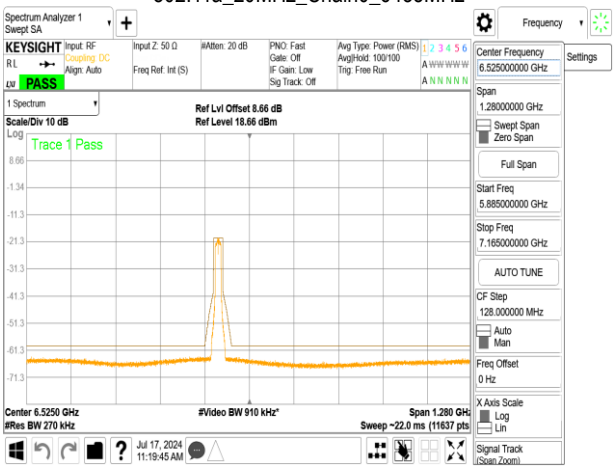
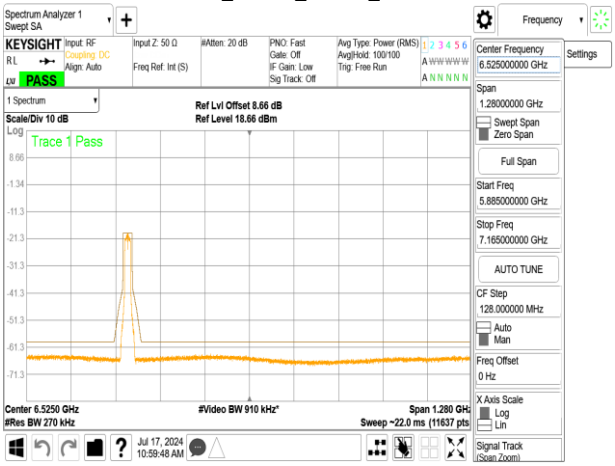
802.11a_20MHz_Chain0_5955MHz



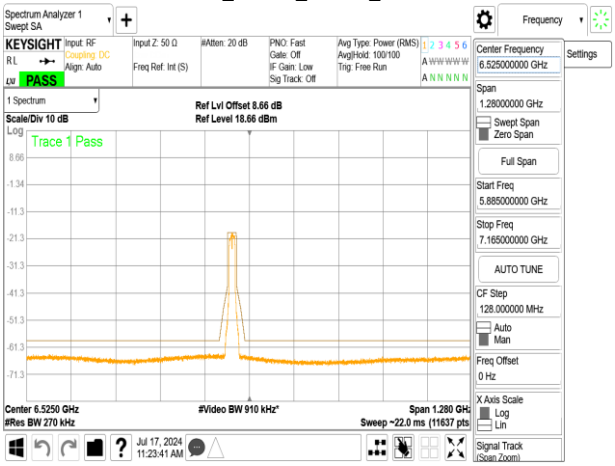
802.11a_20MHz_Chain0_6435MHz



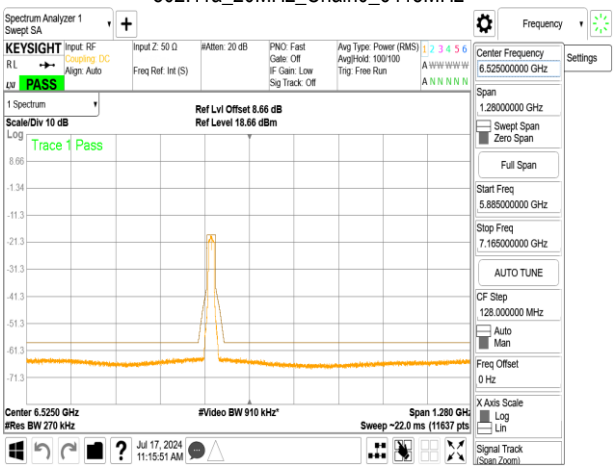
802.11a_20MHz_Chain0_6175MHz



802.11a_20MHz_Chain0_6475MHz



802.11a_20MHz_Chain0_6415MHz



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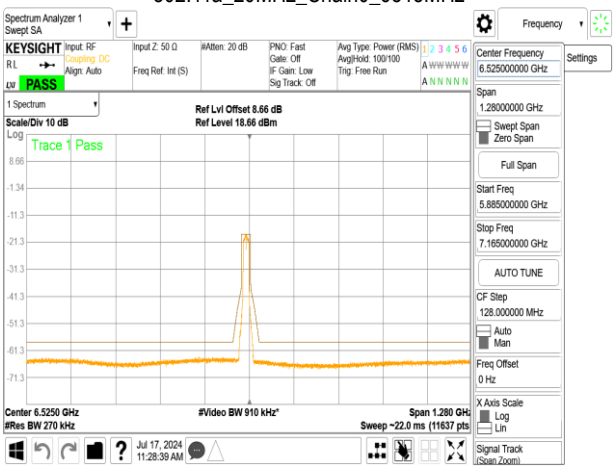

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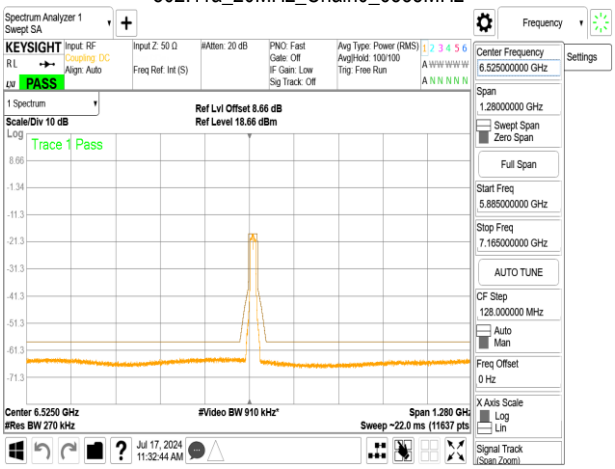
802.11a_20MHz_Chain0_6535MHz



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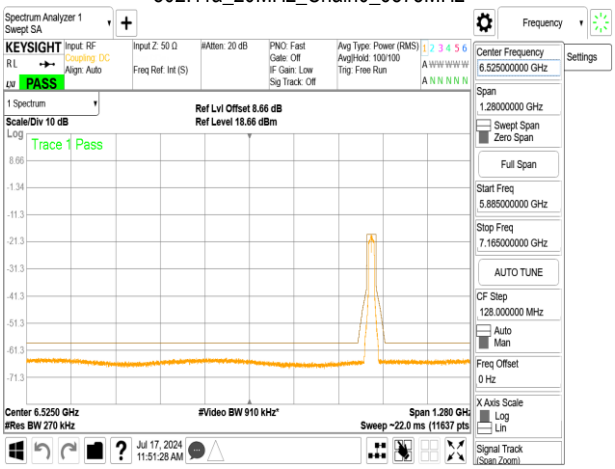

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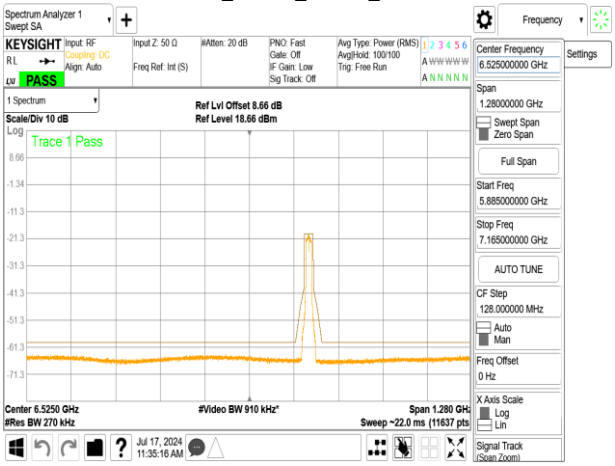

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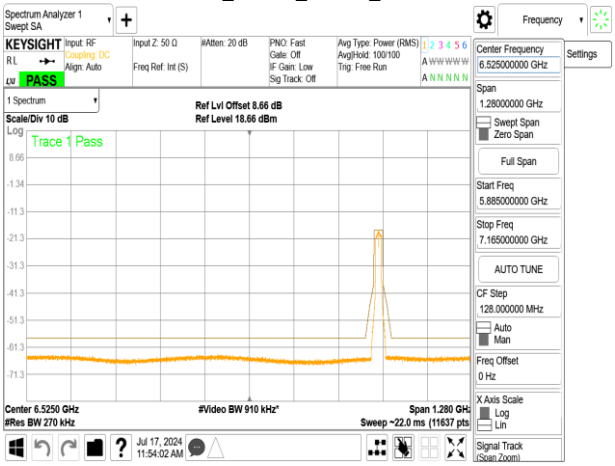

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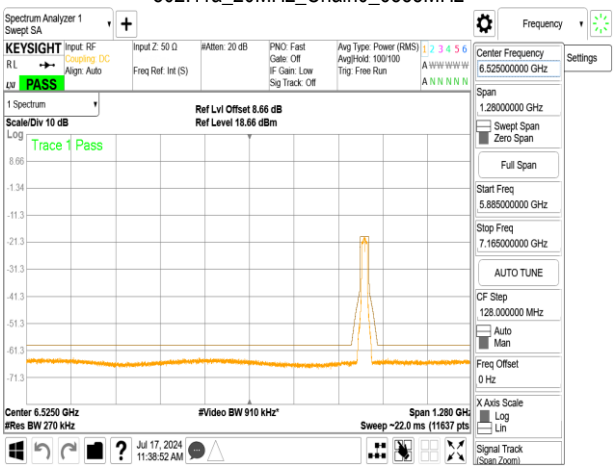

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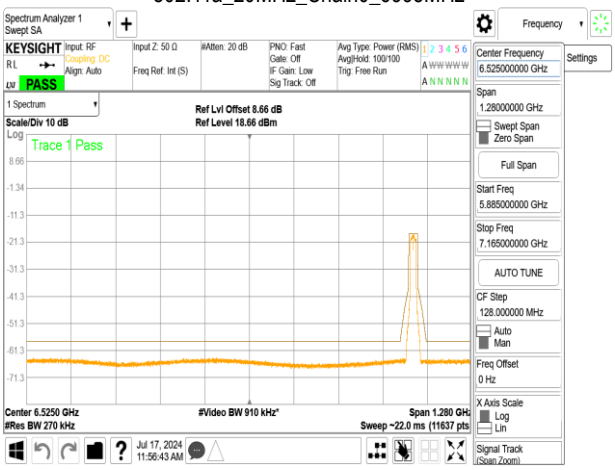

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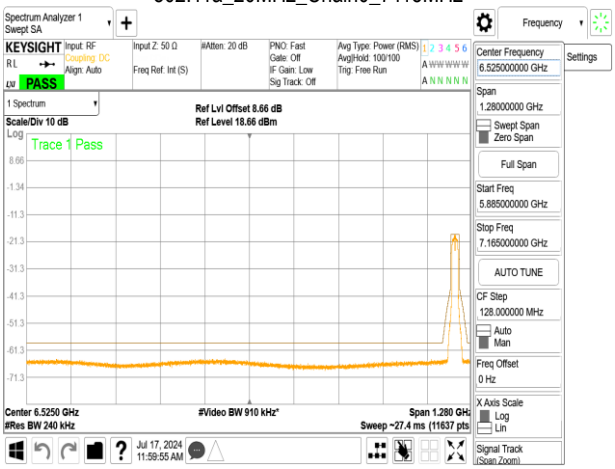
802.11a_20MHz_Chain0_7115MHz



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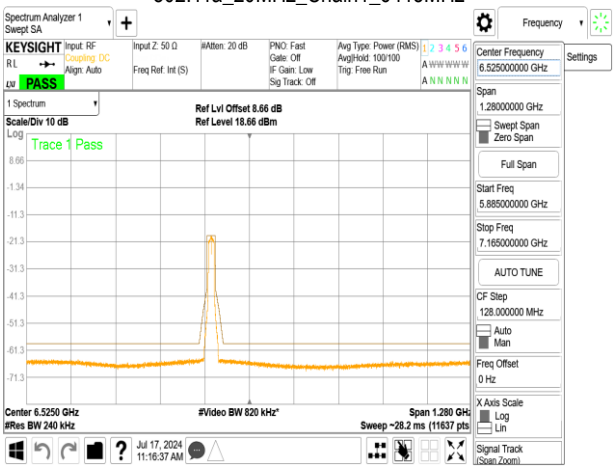

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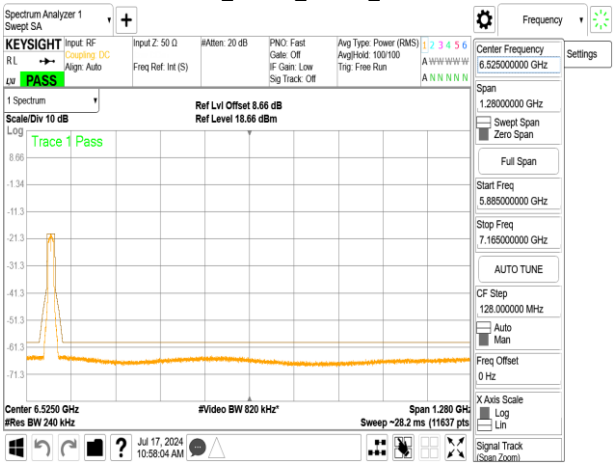

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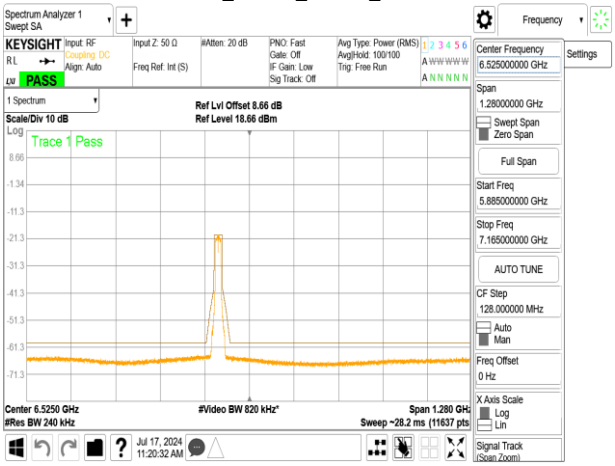

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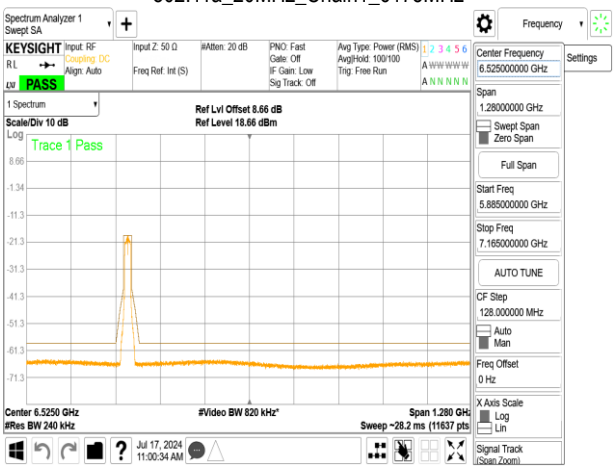
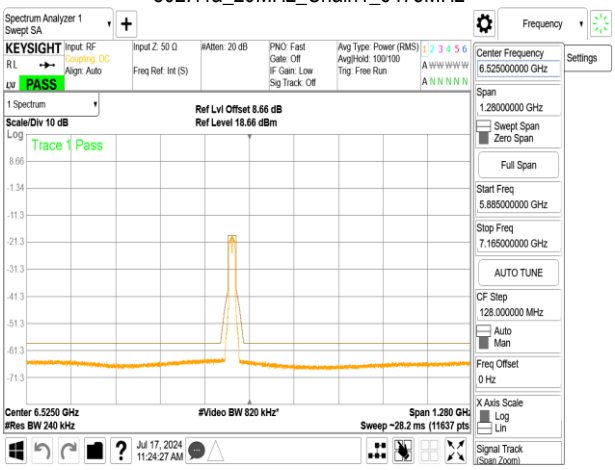


802.11a_20MHz_Chain1_6475MHz



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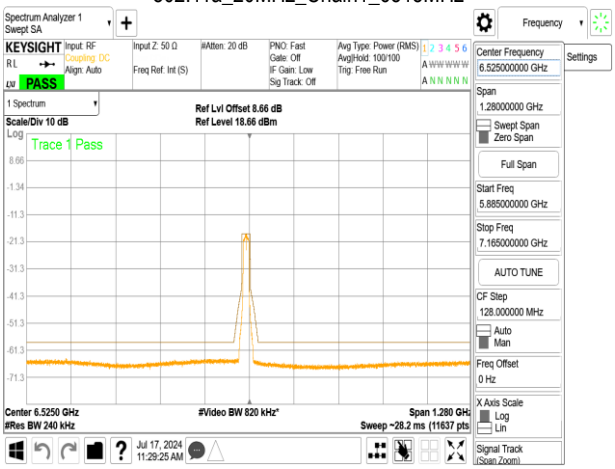
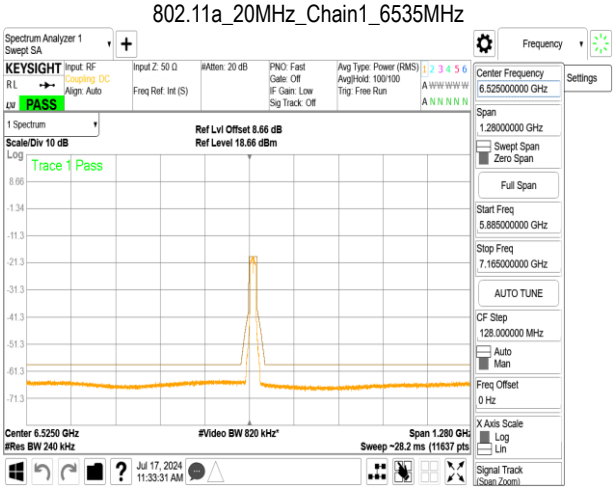
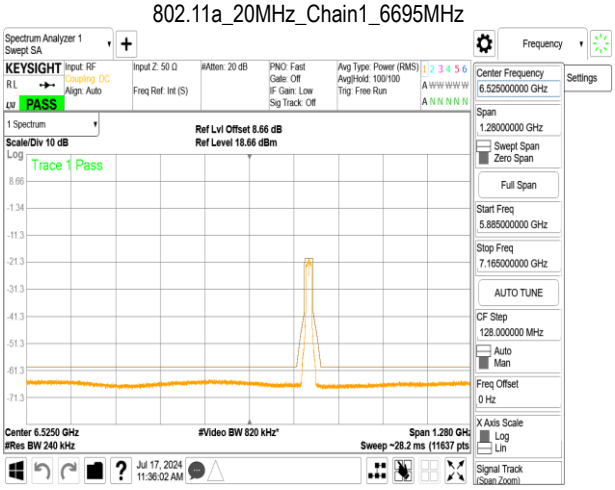
802.11a_20MHz_Chain1_6515MHz



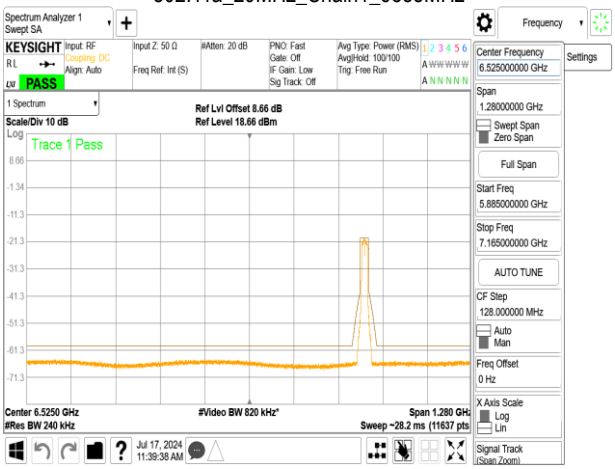
802.11a_20MHz_Chain1_6535MHz



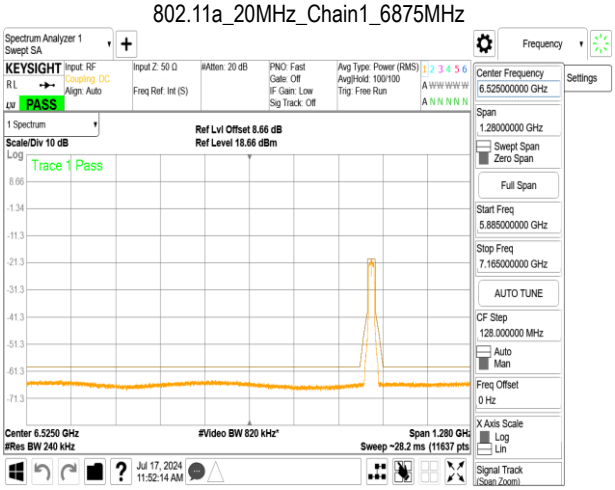
802.11a_20MHz_Chain1_6695MHz



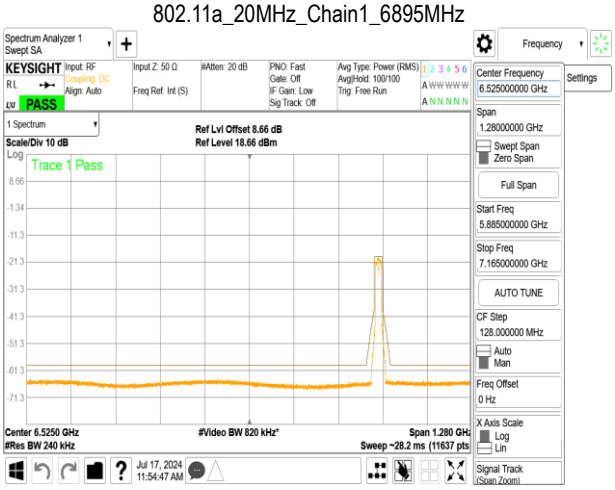
802.11a_20MHz_Chain1_6855MHz



802.11a_20MHz_Chain1_6875MHz



802.11a_20MHz_Chain1_6895MHz



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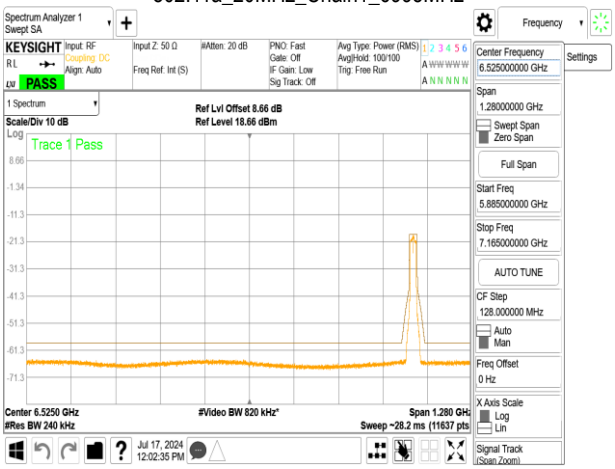
802.11a_20MHz_Chain1_6995MHz



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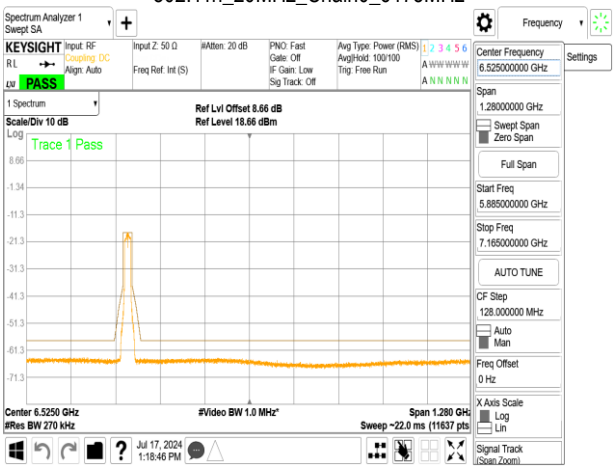
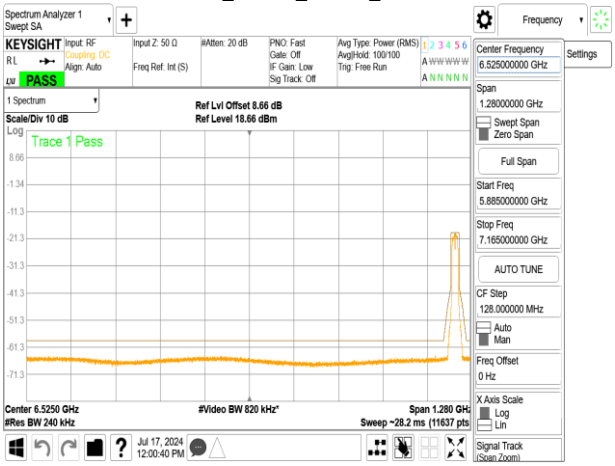
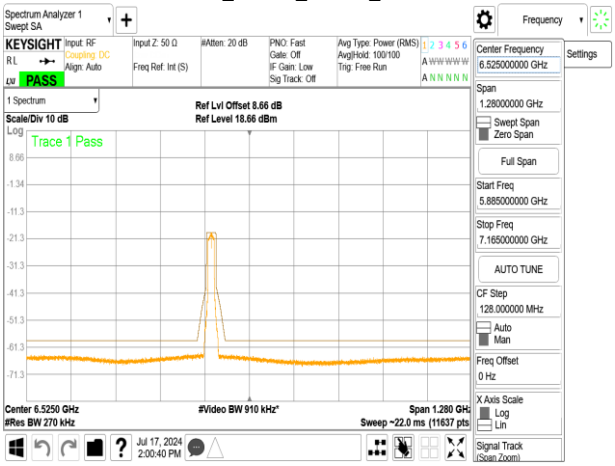


802.11a_20MHz_Chain1_7115MHz



802.11n_20MHz_Chain0_6415MHz



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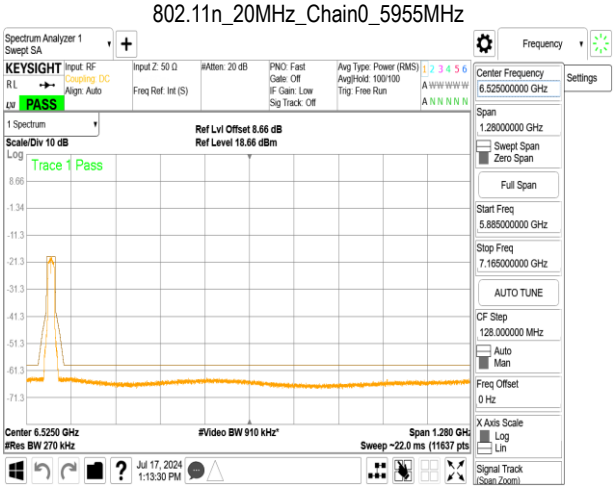

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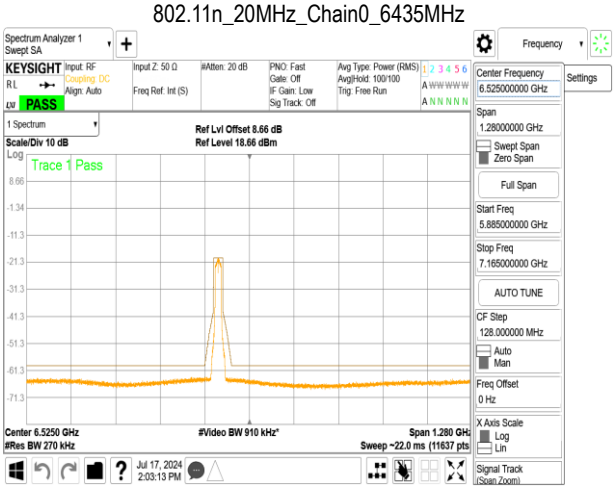

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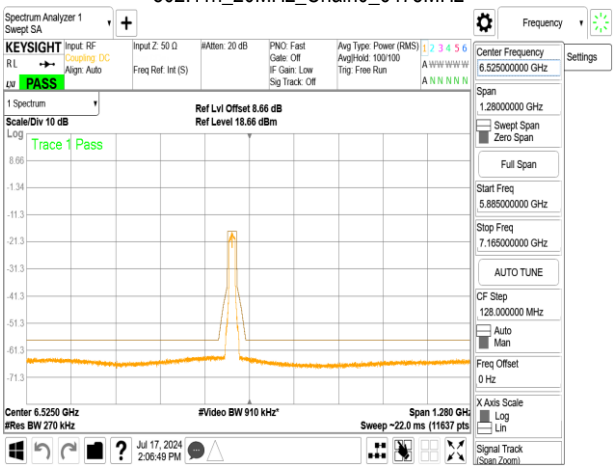
802.11n_20MHz_Chain0_6475MHz



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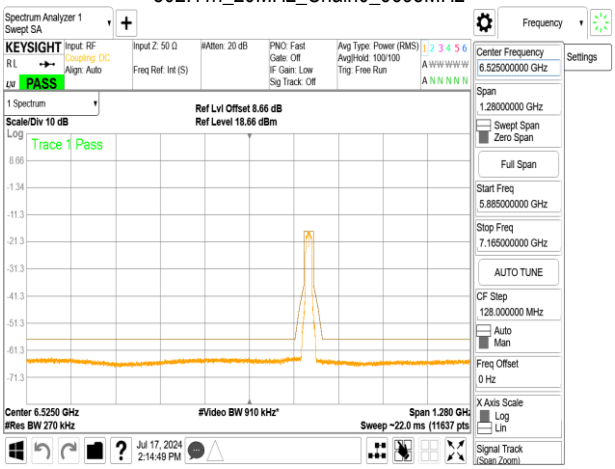

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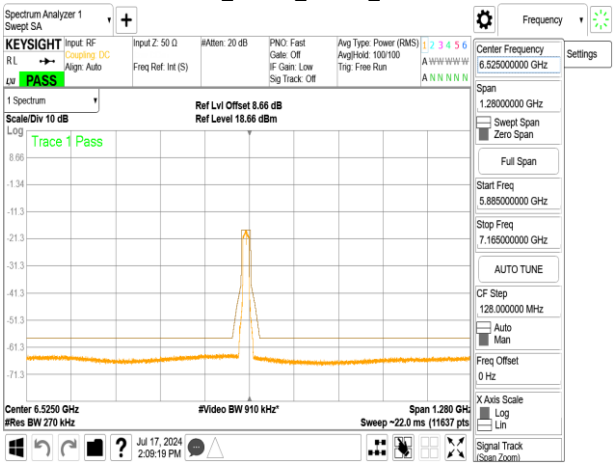

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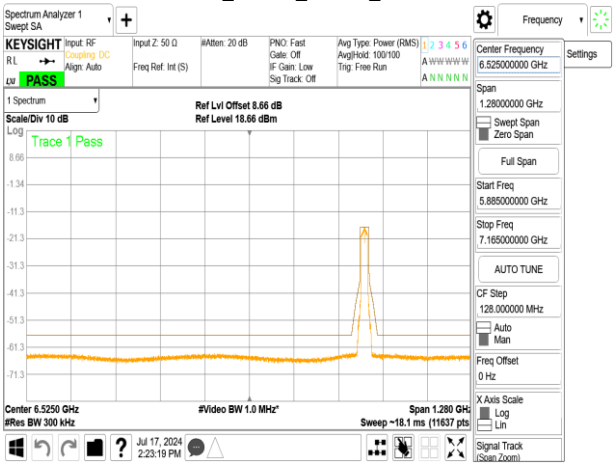

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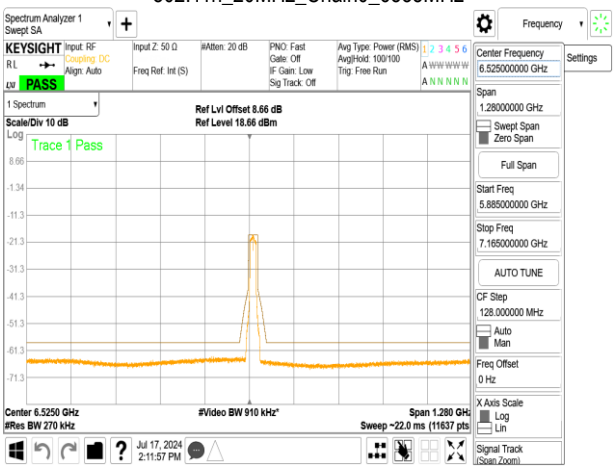
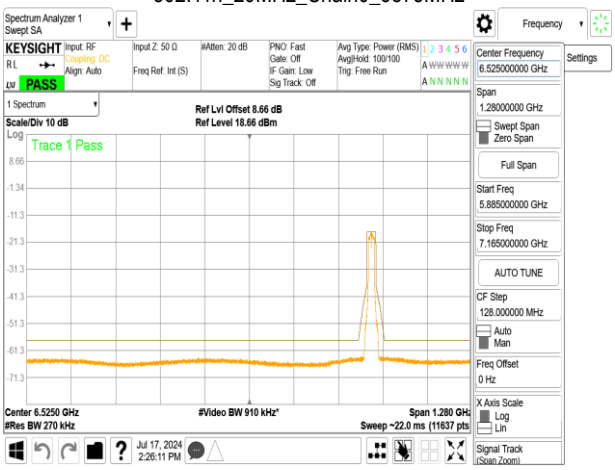


802.11n_20MHz_Chain0_6875MHz



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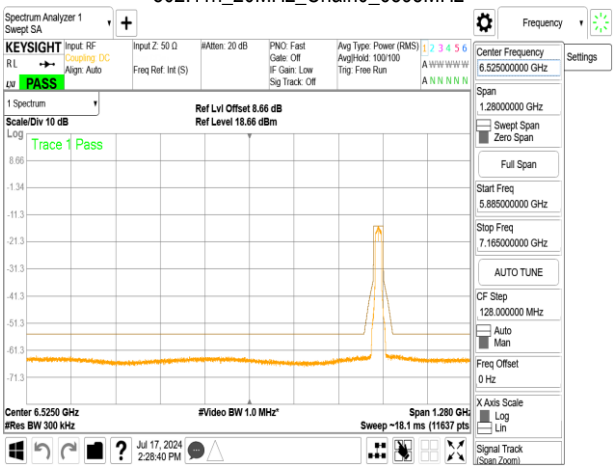
802.11n_20MHz_Chain0_6895MHz



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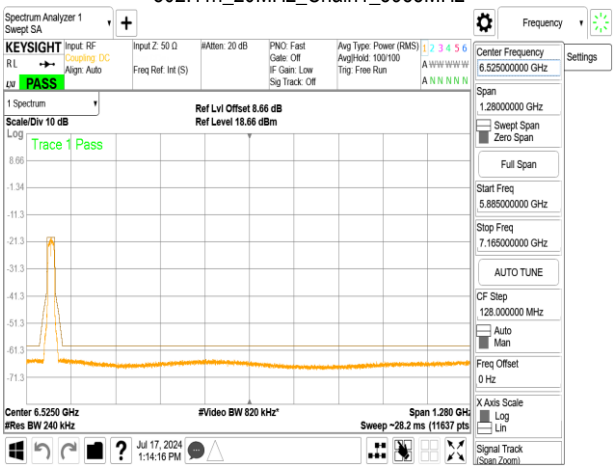
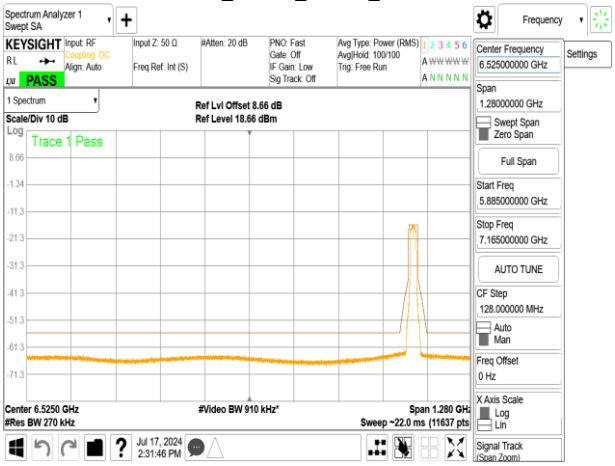
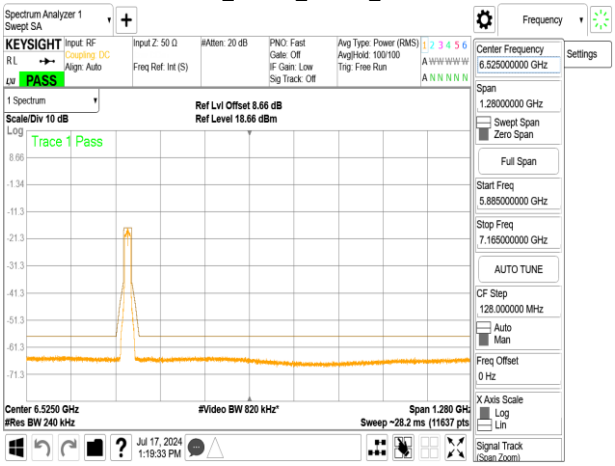


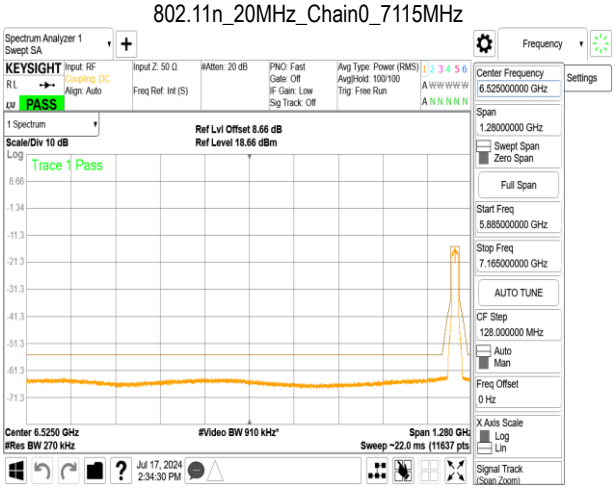
802.11n_20MHz_Chain0_6995MHz



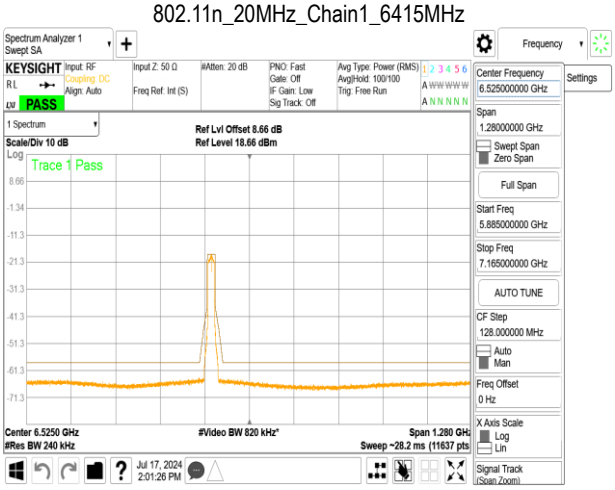
802.11n_20MHz_Chain1_6175MHz



802.11n_20MHz_Chain0_7115MHz



802.11n_20MHz_Chain1_6415MHz



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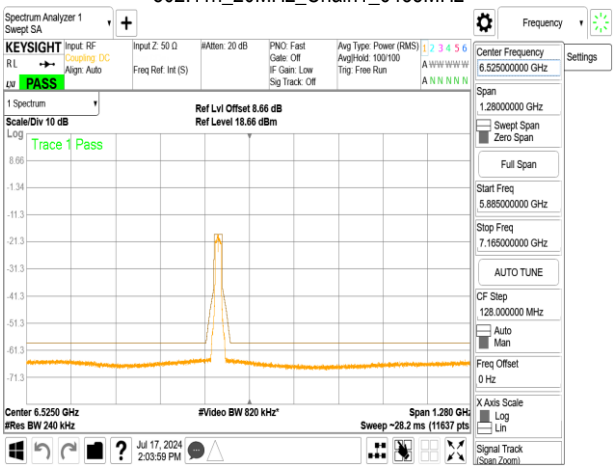
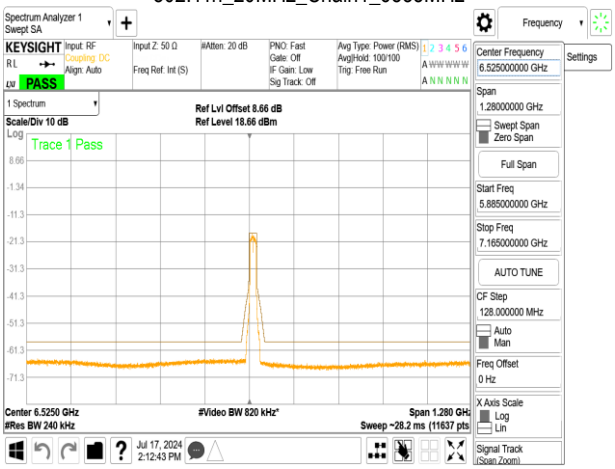
802.11n_20MHz_Chain1_6435MHz



802.11n_20MHz_Chain1_6535MHz



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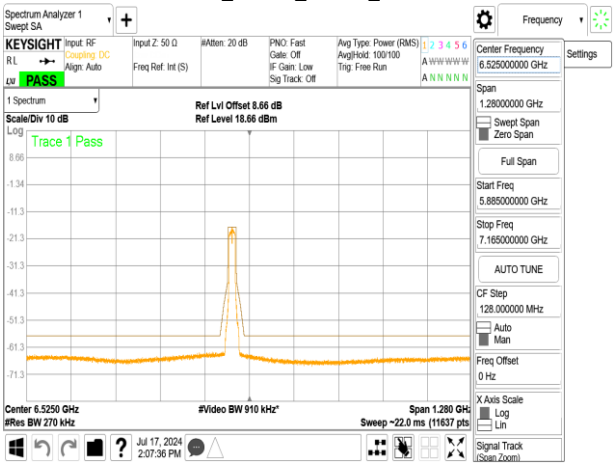
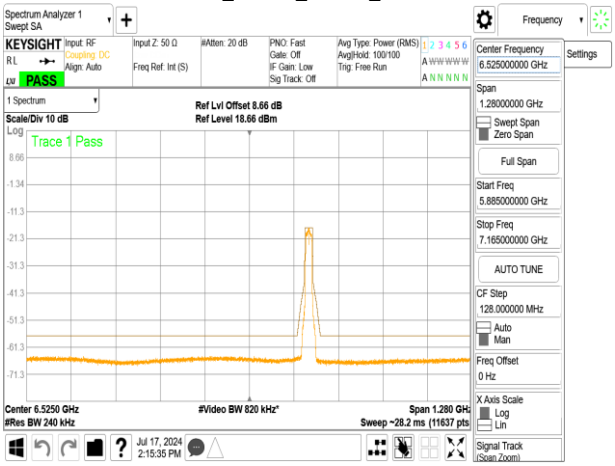
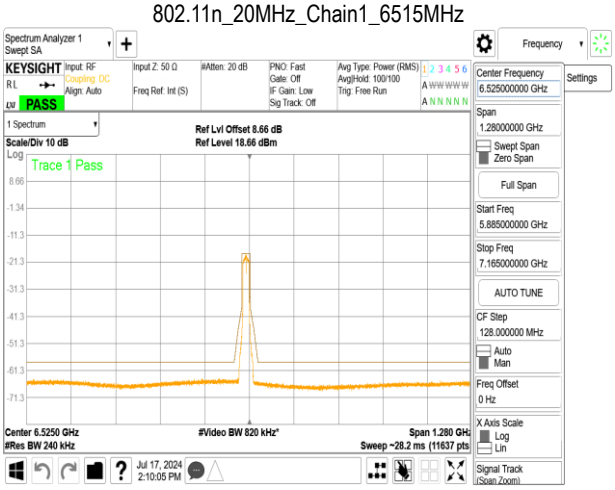


802.11n_20MHz_Chain1_6695MHz



802.11n_20MHz_Chain1_6515MHz



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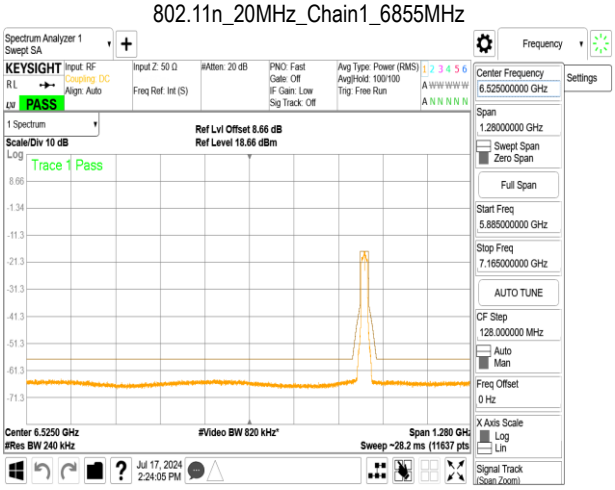

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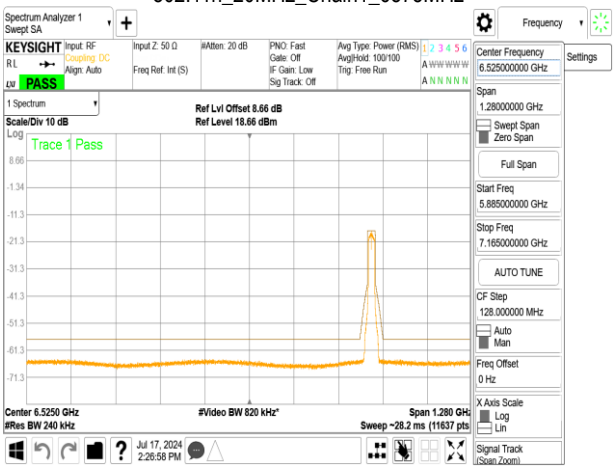
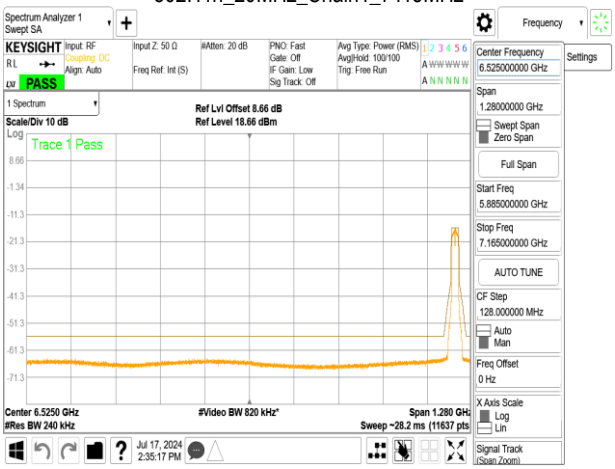
802.11n_20MHz_Chain1_6875MHz



802.11n_20MHz_Chain1_7115MHz



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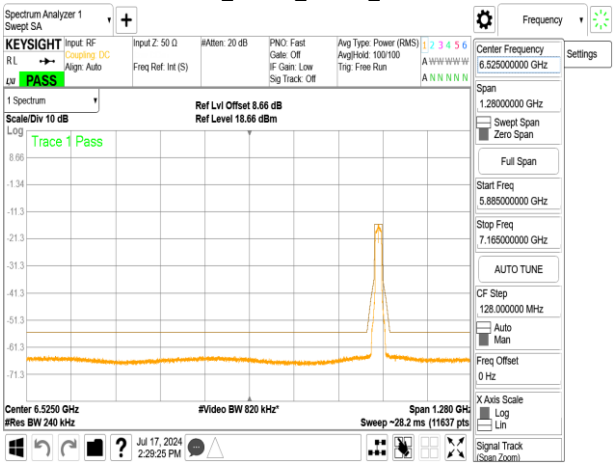

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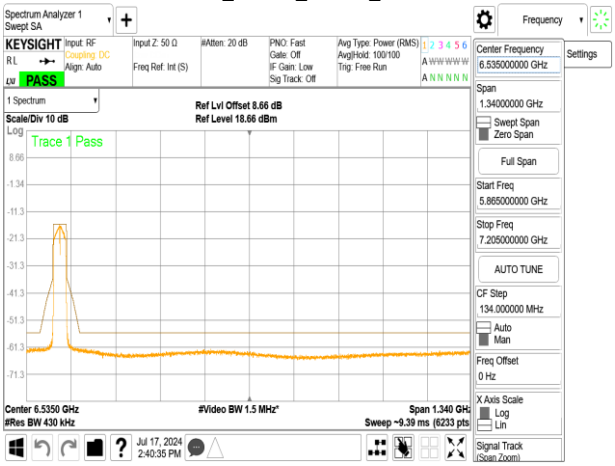
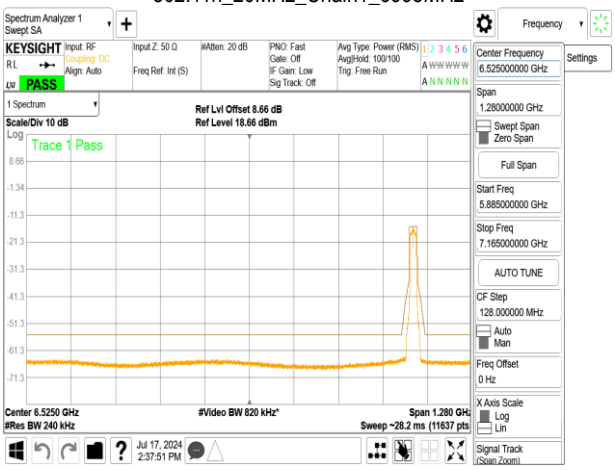


802.11n_20MHz_Chain1_6995MHz



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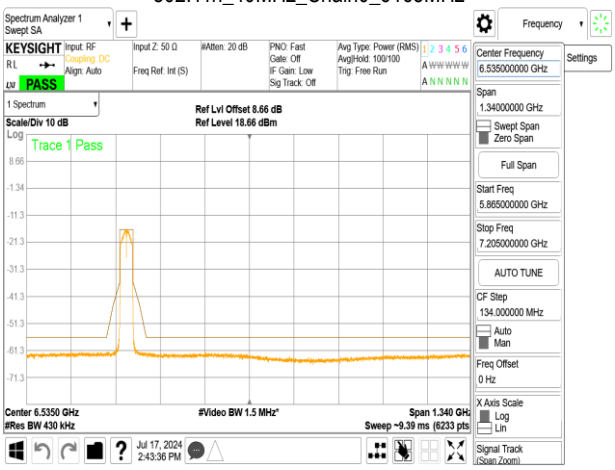

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