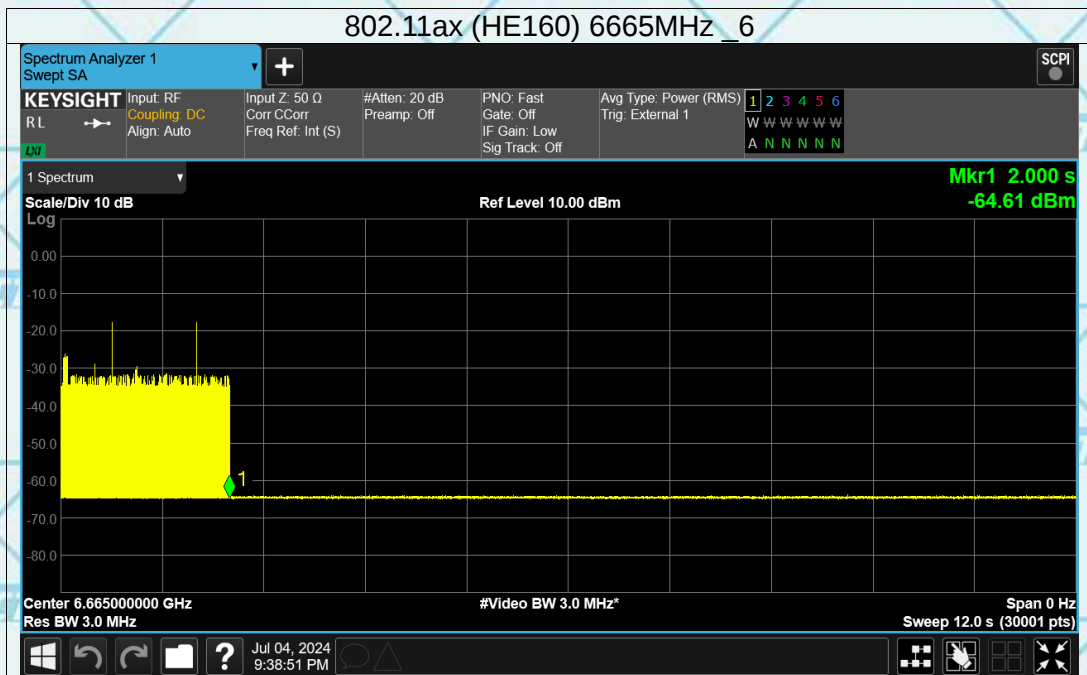
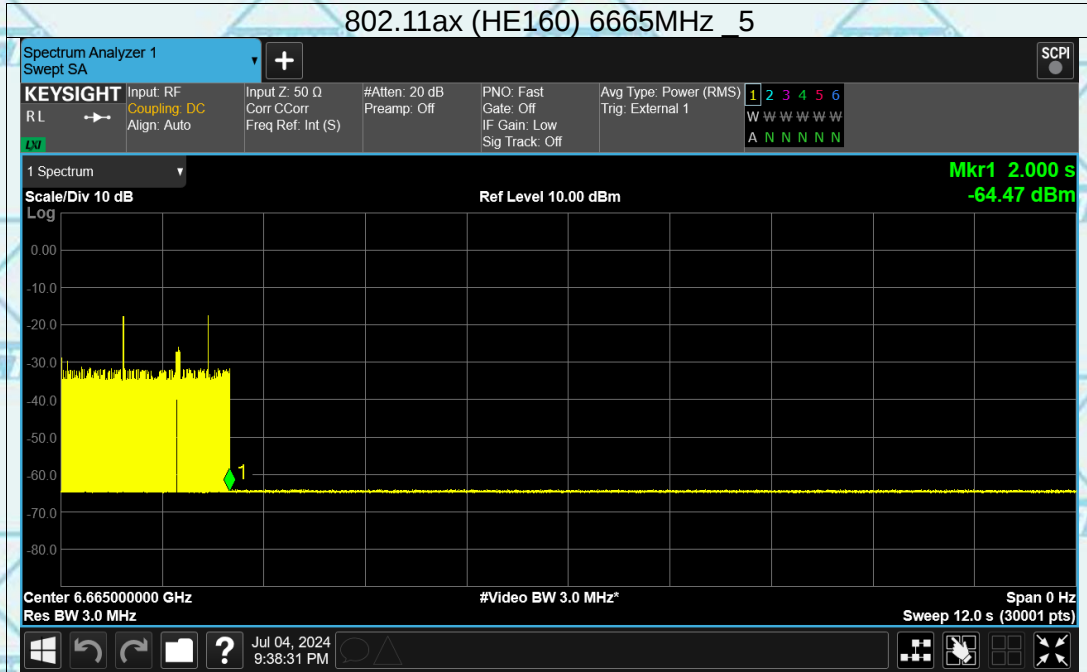




Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

Certificate #5768.01

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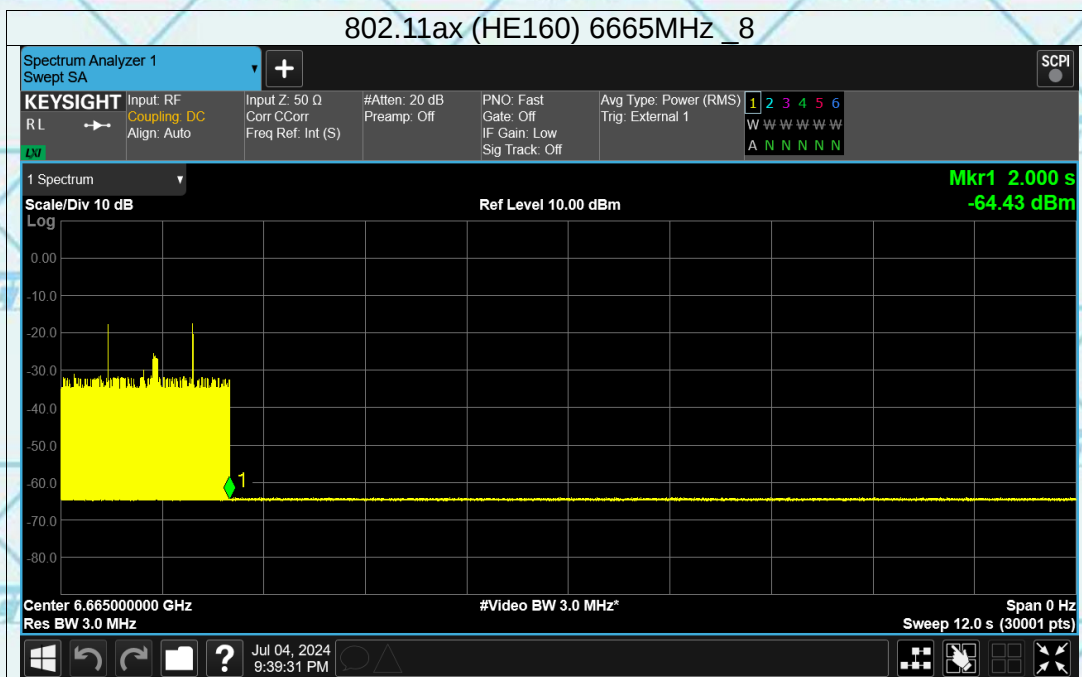
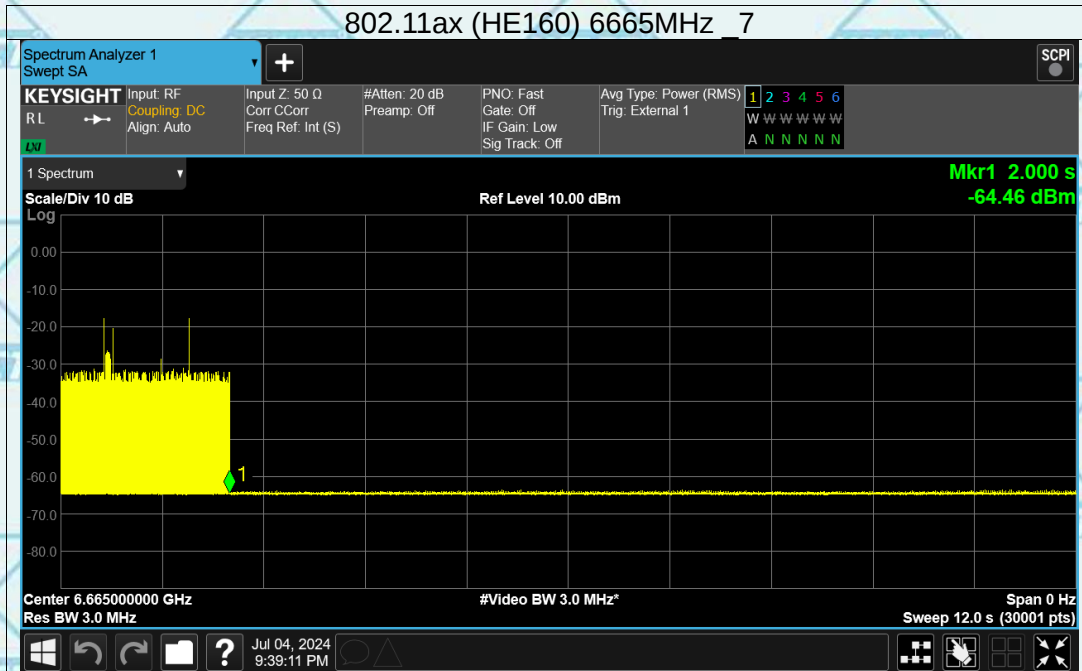




Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

Certificate #5768.01

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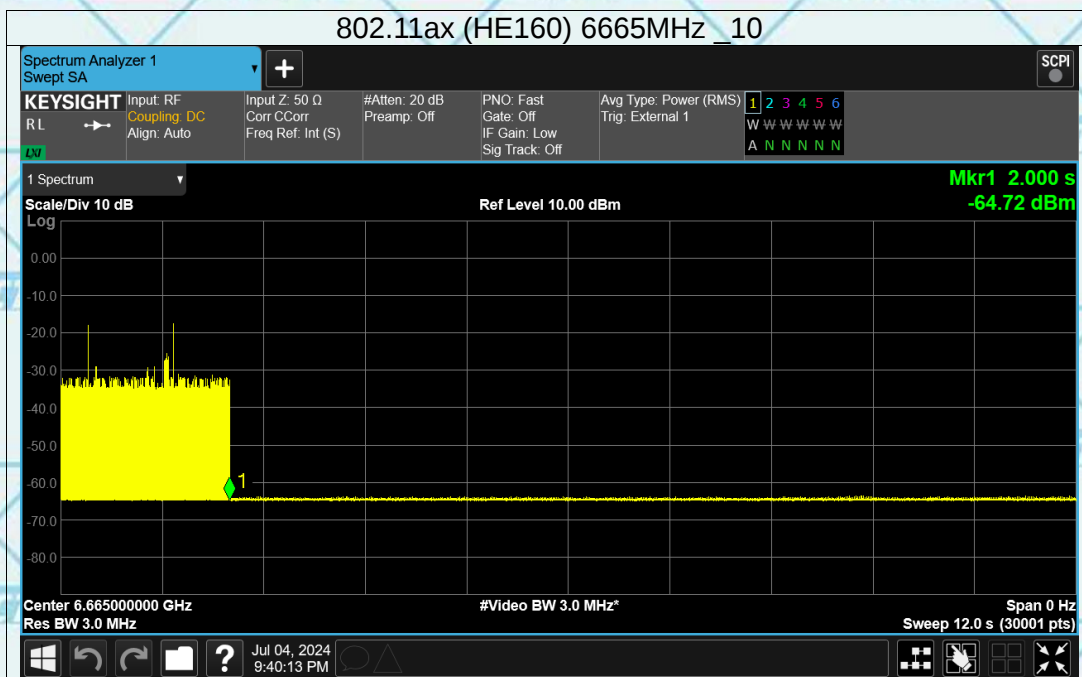
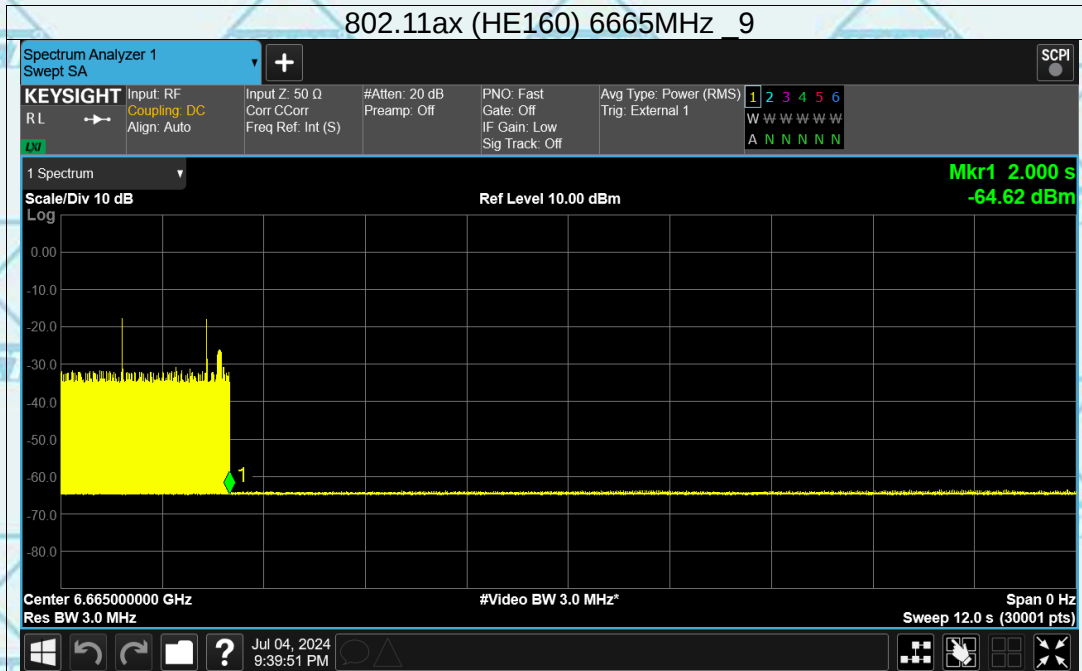




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Certificate #5768.01

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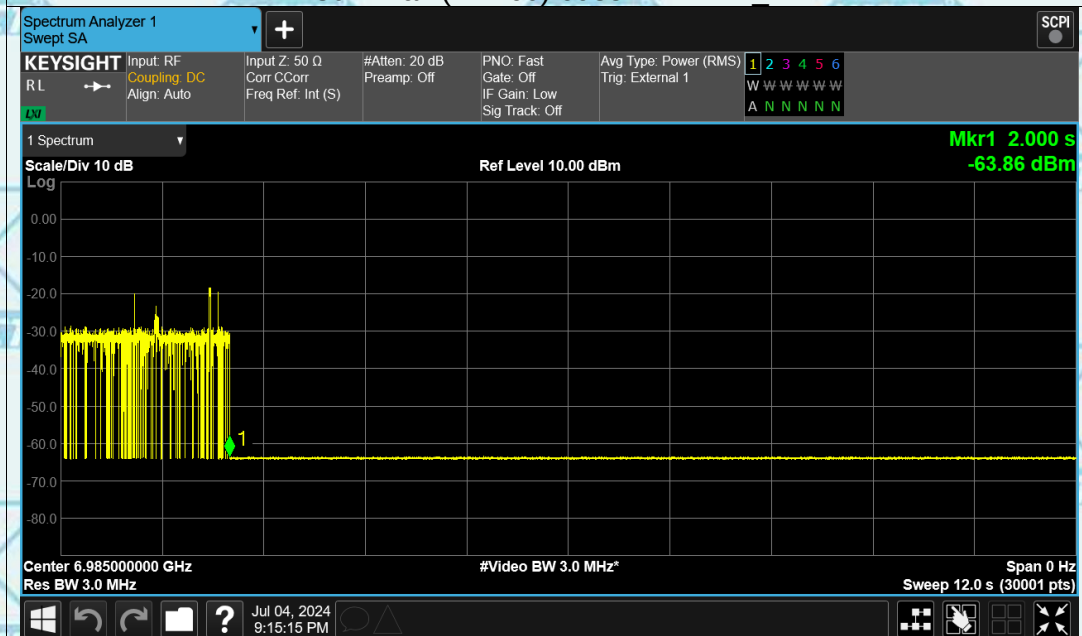


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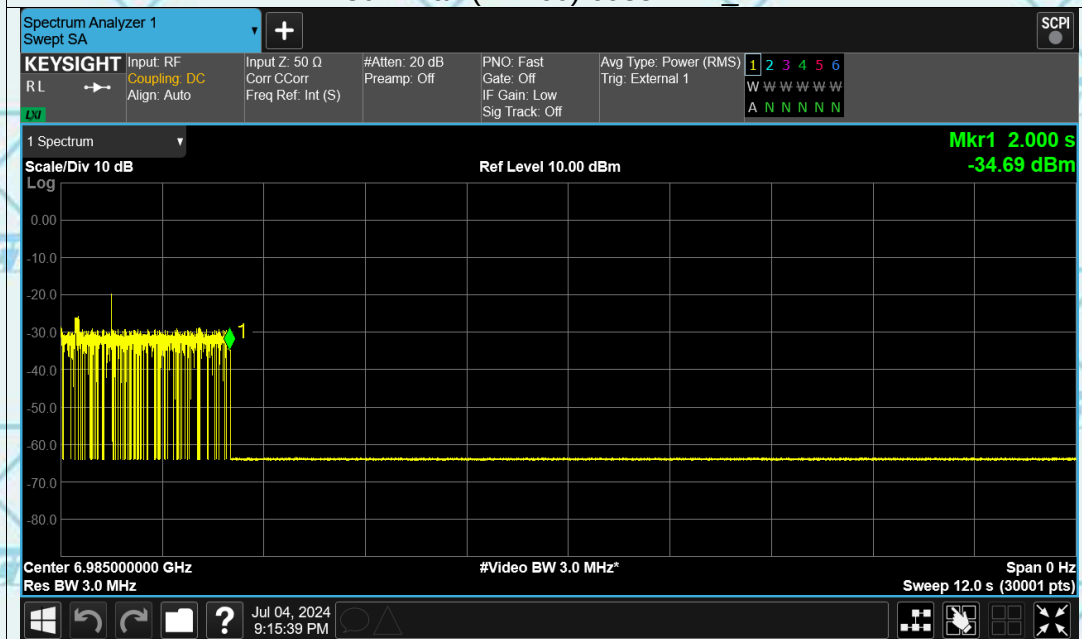
Certificate #5768.01

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802.11ax (HE160) 6985MHz MHz_1



802.11ax (HE160) 6985MHz_2

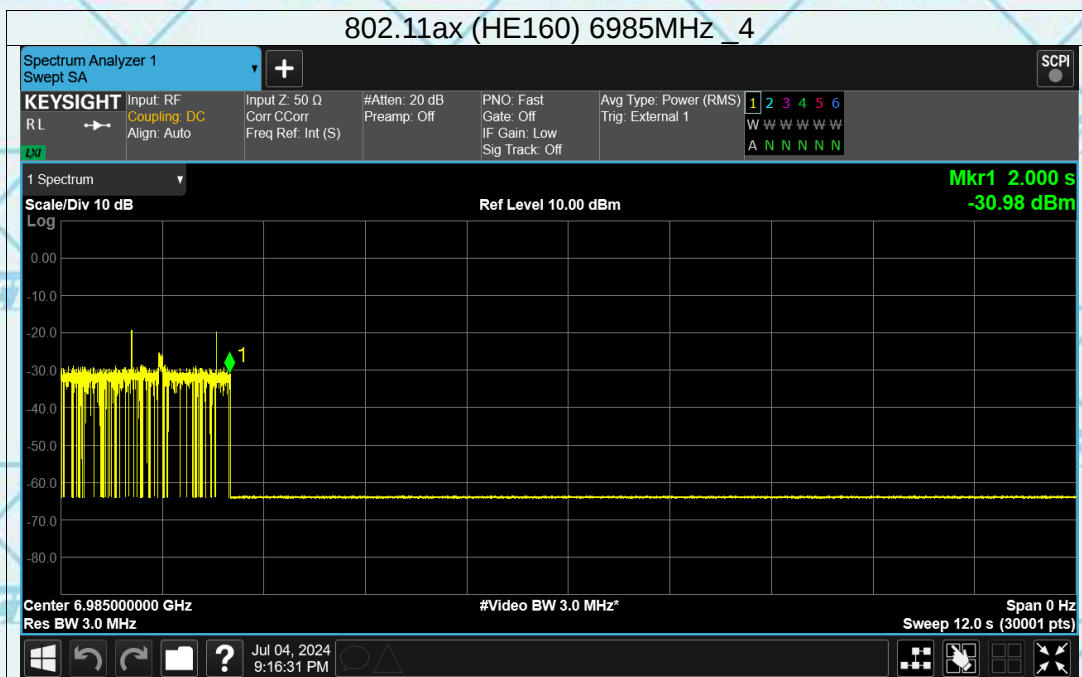
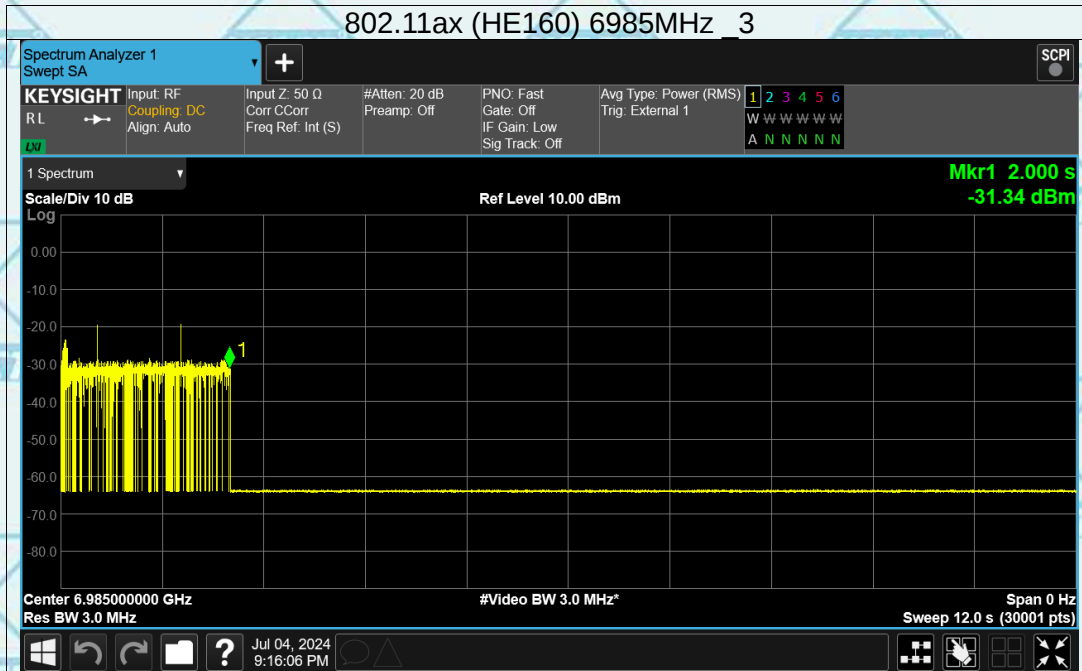




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For Question,
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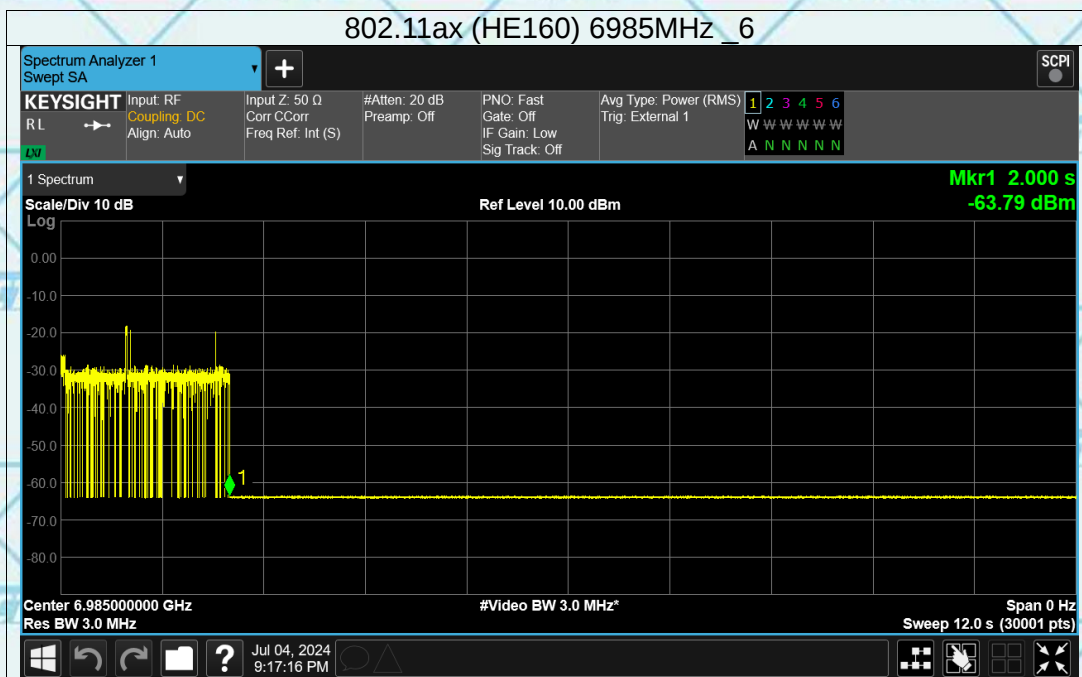
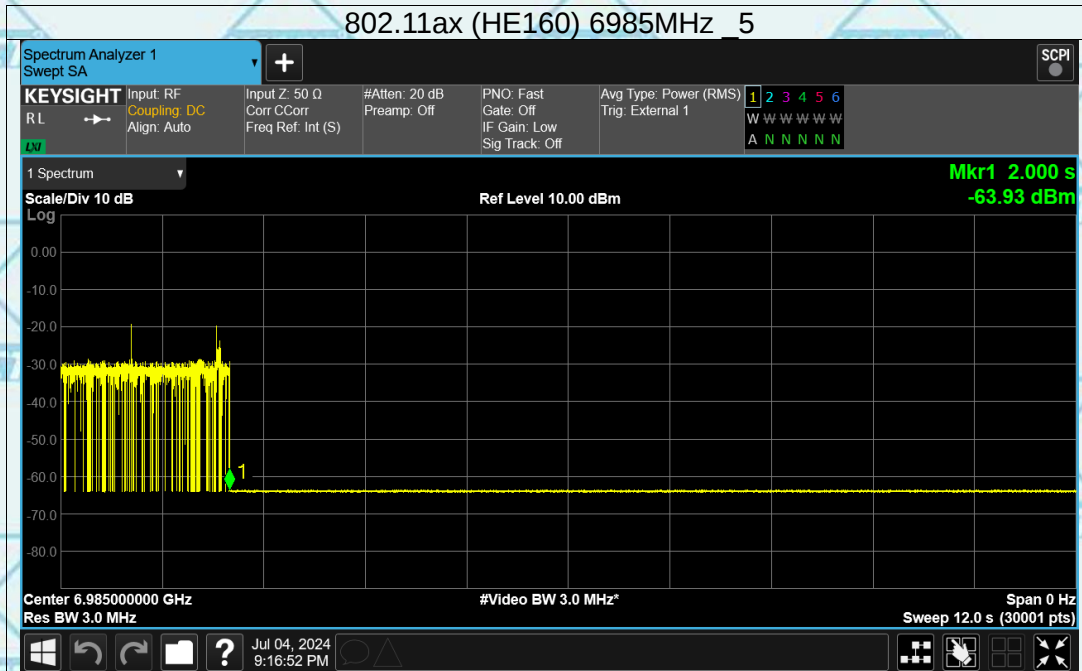




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Certificate #5768.01

For Question,
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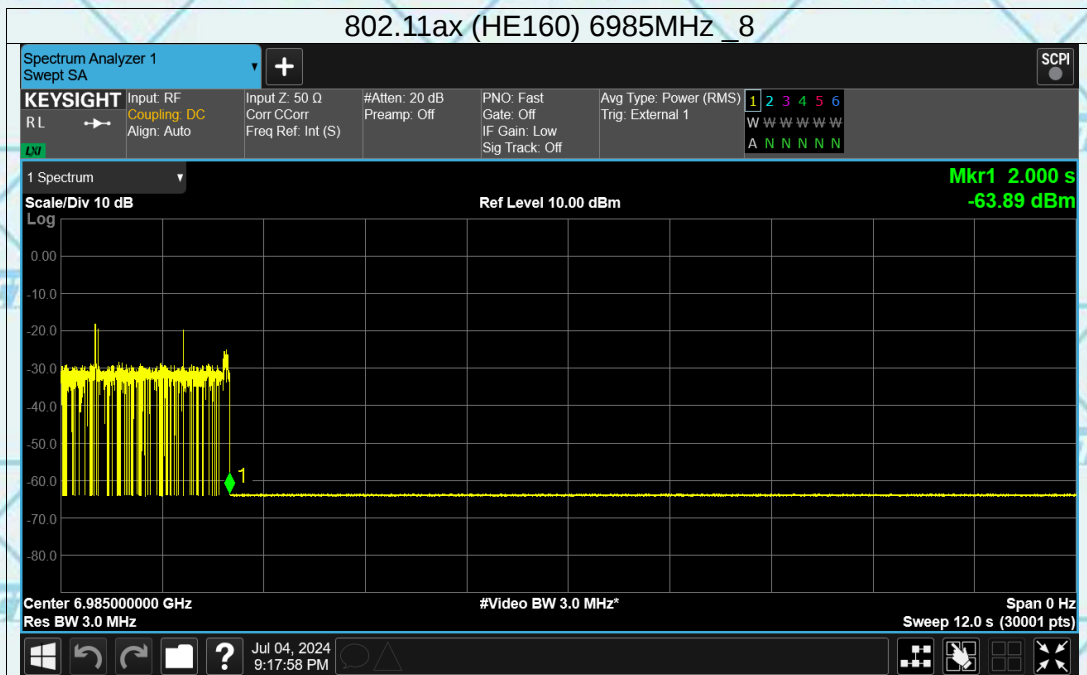
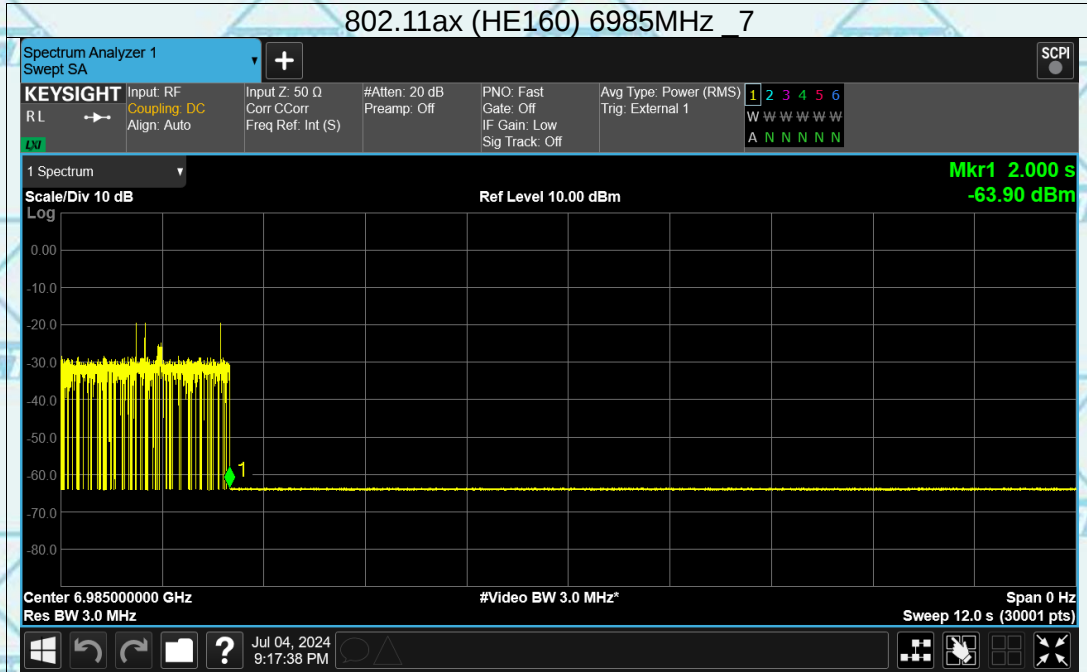




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For Question,
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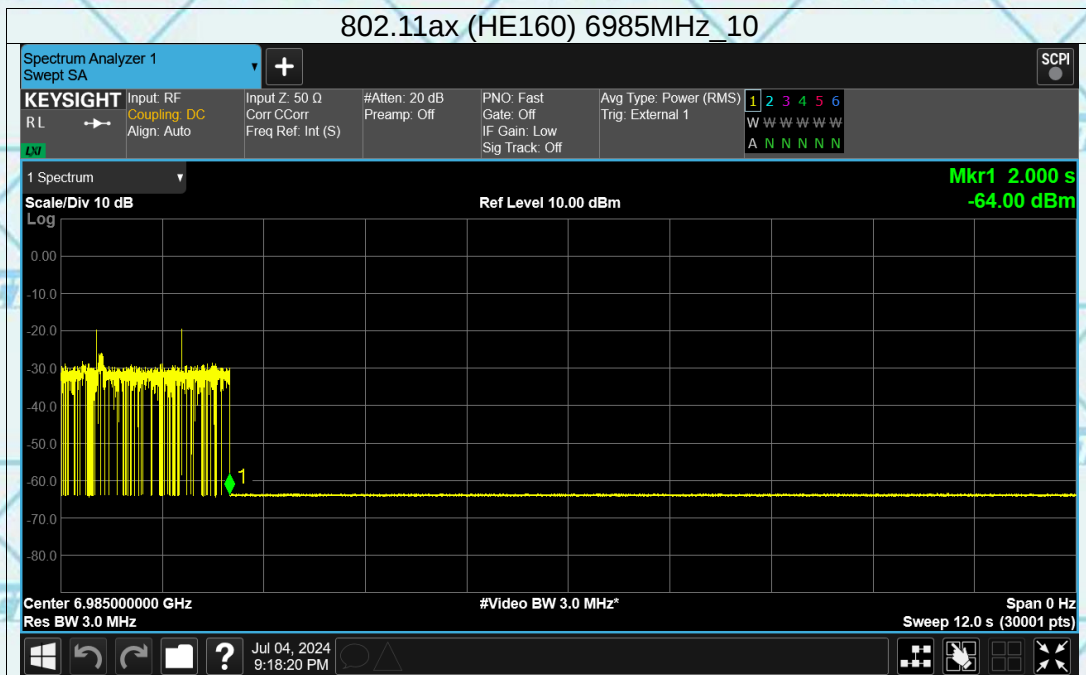
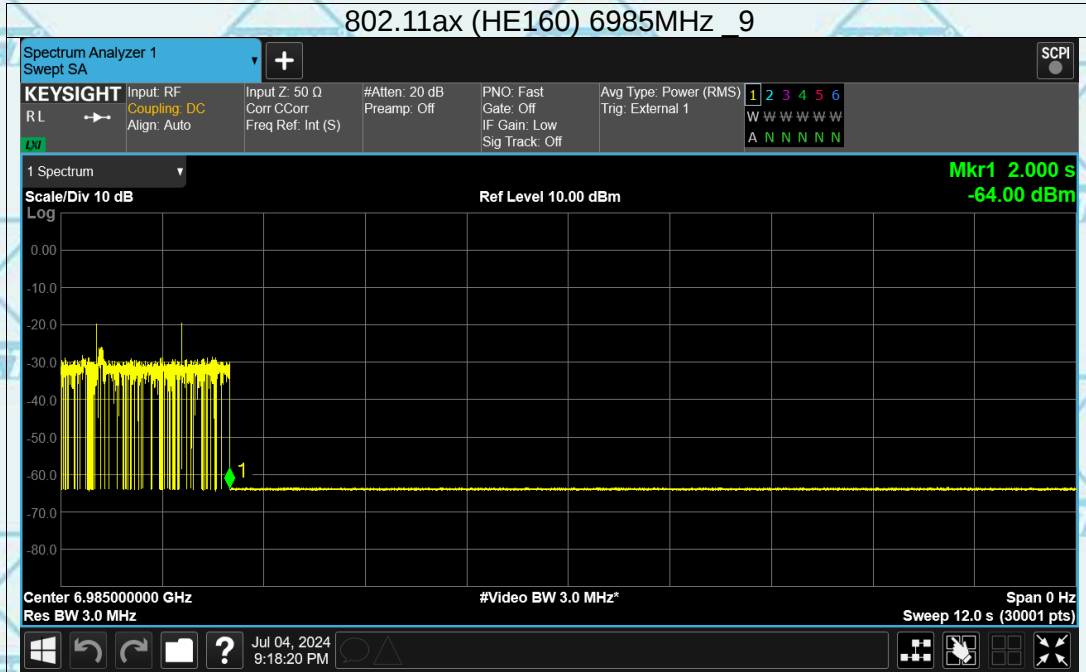




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Certificate #5768.01

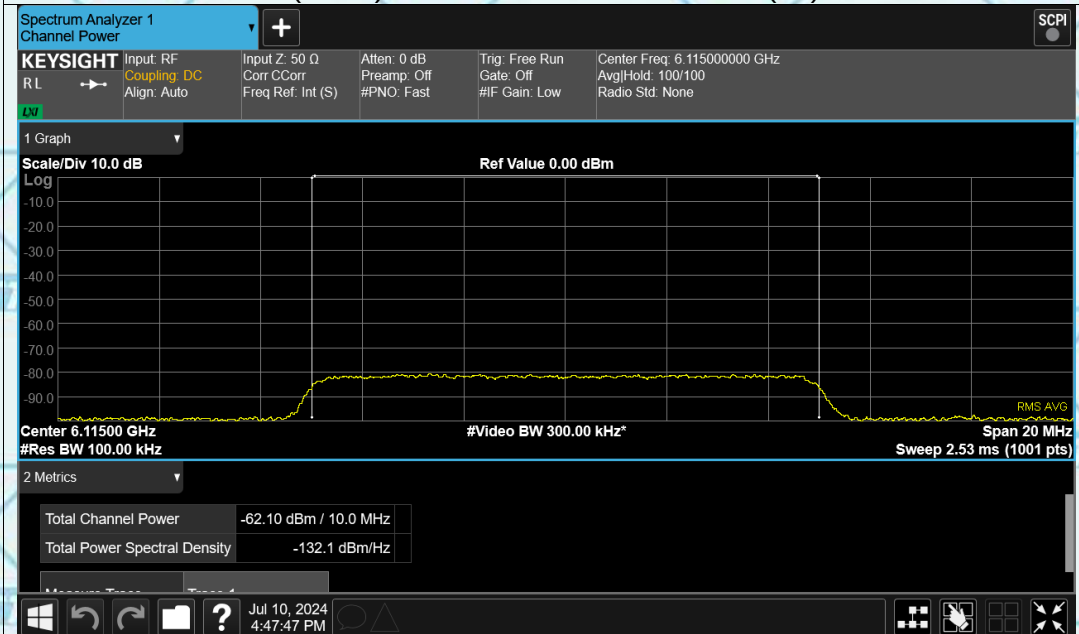
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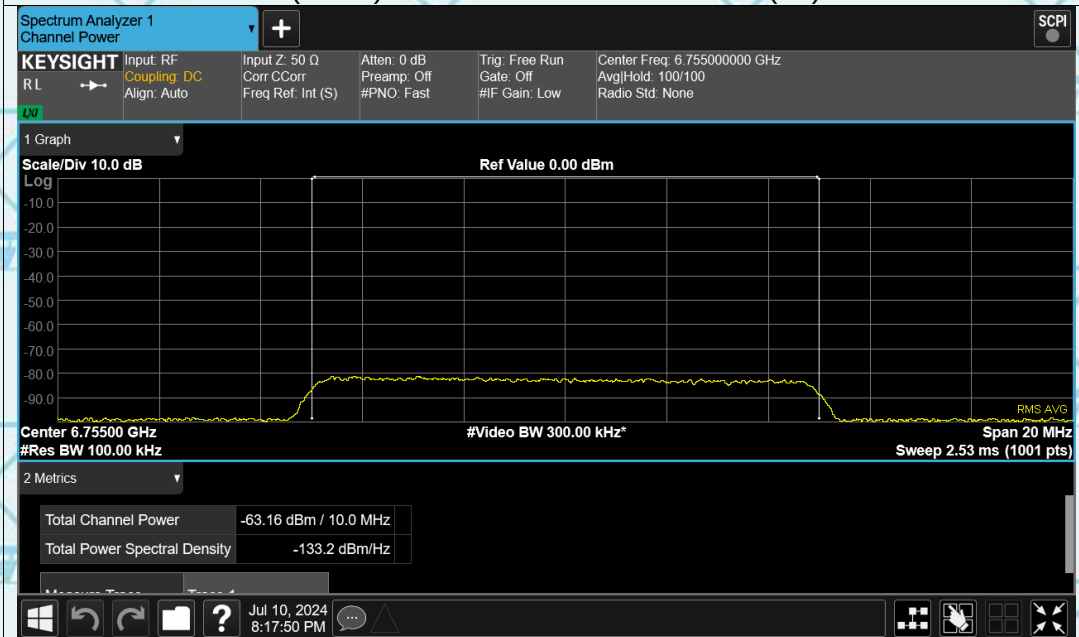


Test Graphs

802.11ax (HE20) 6115 MHz Threshold Center (TL) = -62.10



802.11ax (HE20) 6755 MHz Threshold Center (TL) = -63.16

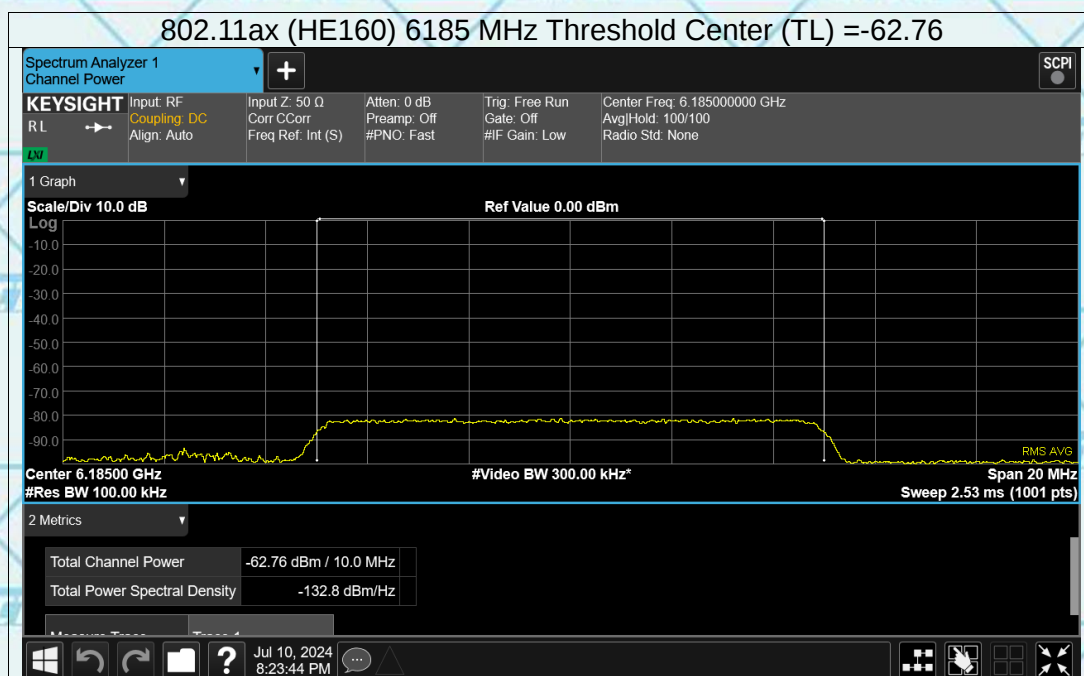
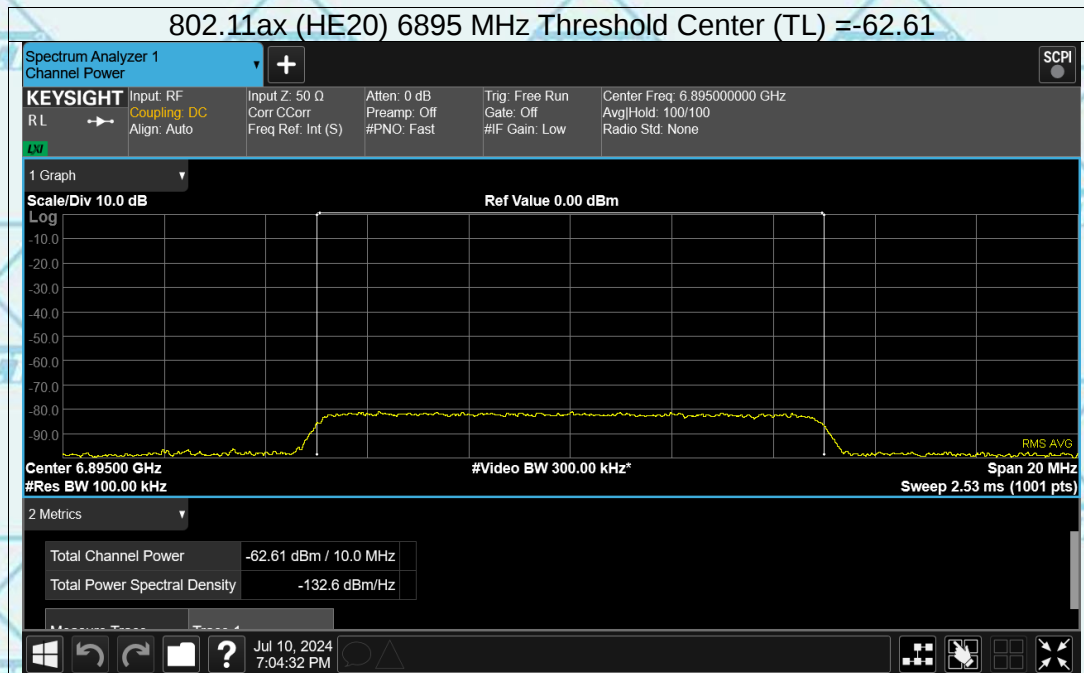




Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

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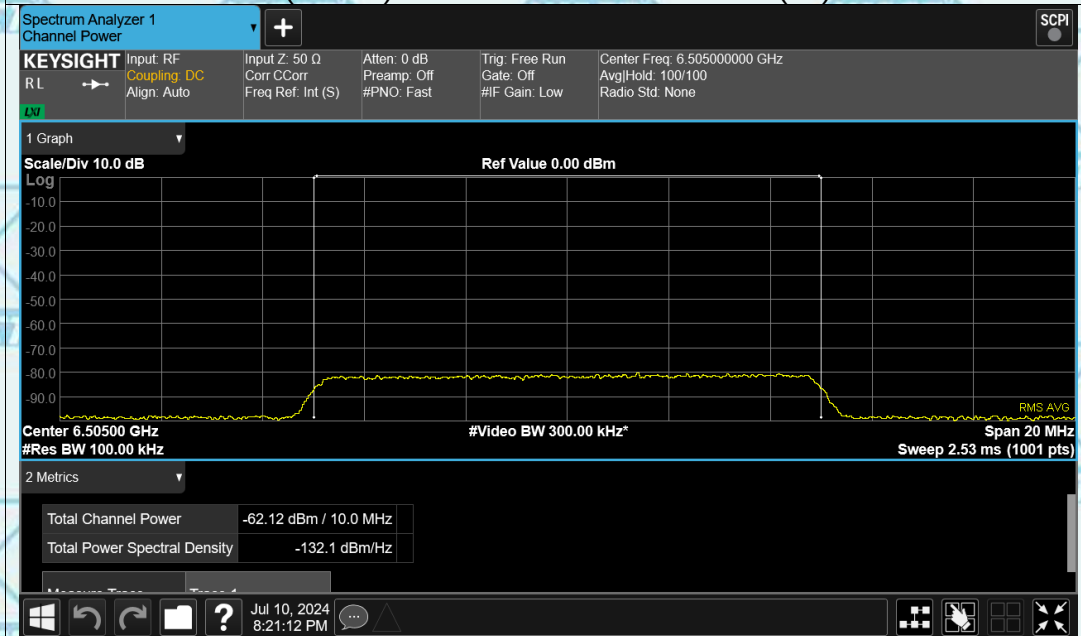


Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

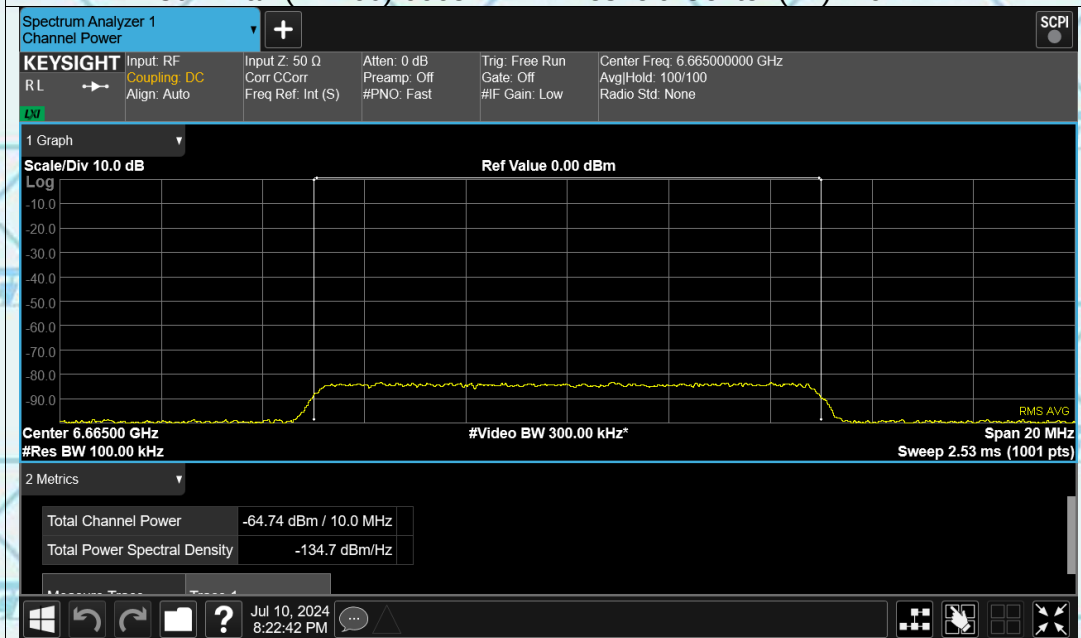
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802.11ax (HE160) 6505 MHz Threshold Center (TL) = -62.12



802.11ax (HE160) 6665 MHz Threshold Center (TL) = -64.74

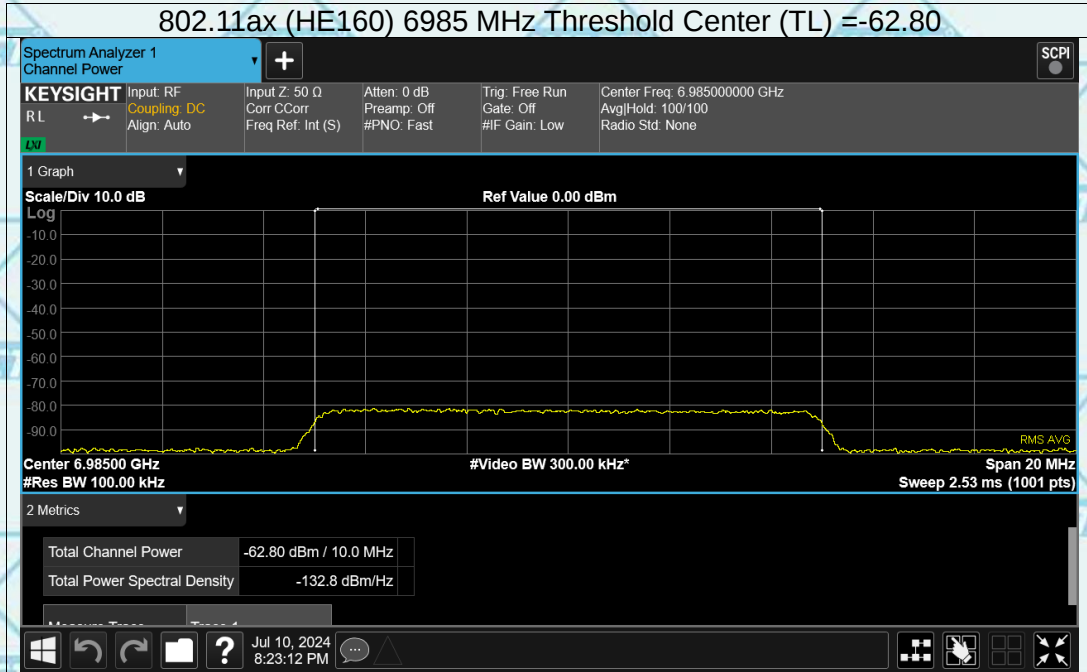




Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

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7.11 IN-BAND EMISSIONS (CHANNEL MASK)

3.4.1 Limit of Unwanted Emissions

<FCC 14-30 CFR 15.407>

(a)(6) 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.

7.11.1 MEASURING INSTRUMENTS

See list of measuring equipment of this test report.

7.11.2 TEST PROCEDURES

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01. Section J) In-Band Emissions.

1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth
2. 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.
3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - a. Suppressed by 20 dB at 1 MHz outside of the channel edge.
 - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
4. Adjust the span to encompass the entire mask as necessary.
5. Clear trace.
6. Trace average at least 100 traces in power averaging (rms) mode.
7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

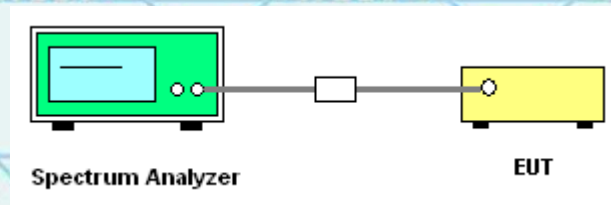


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7.11.3 TEST SETUP





Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

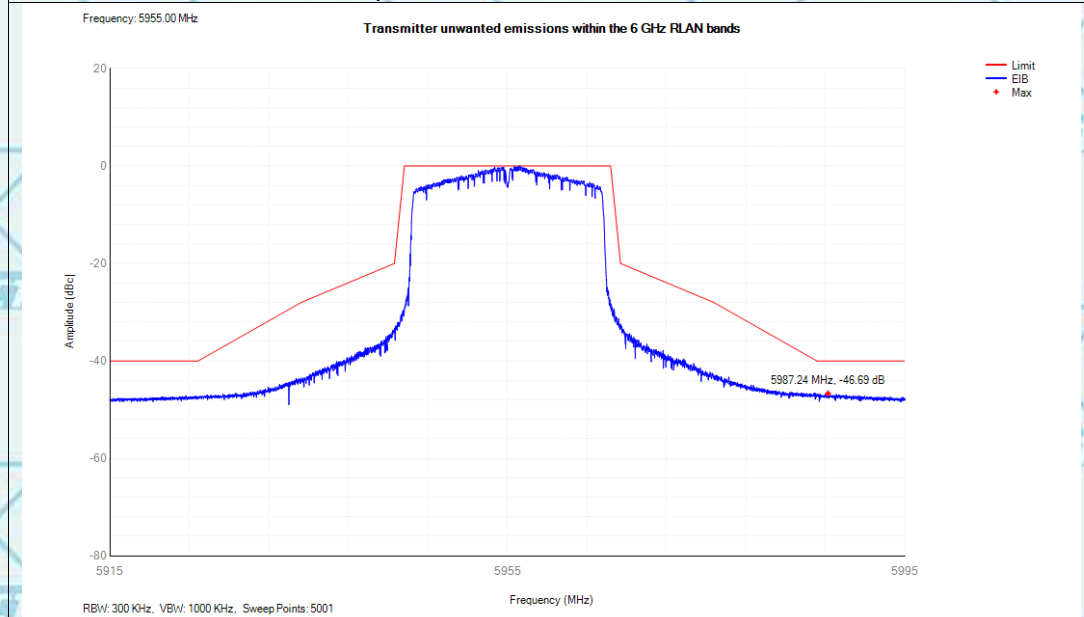
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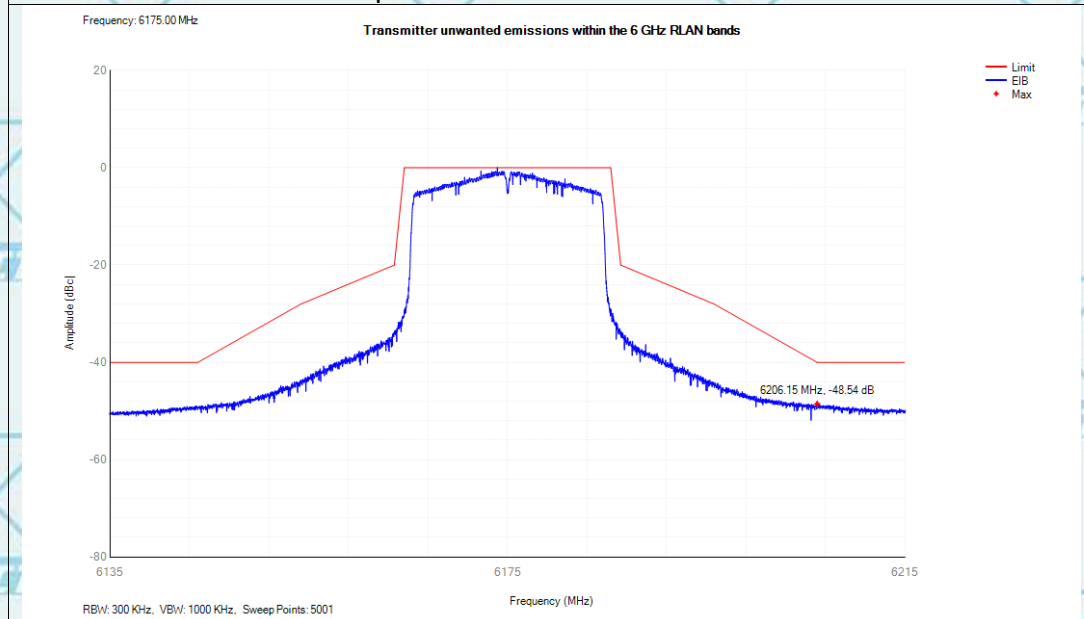
7.11.4 TEST RESULT

Test Graphs

Power spectral mask NVNT ax20 5955MHz

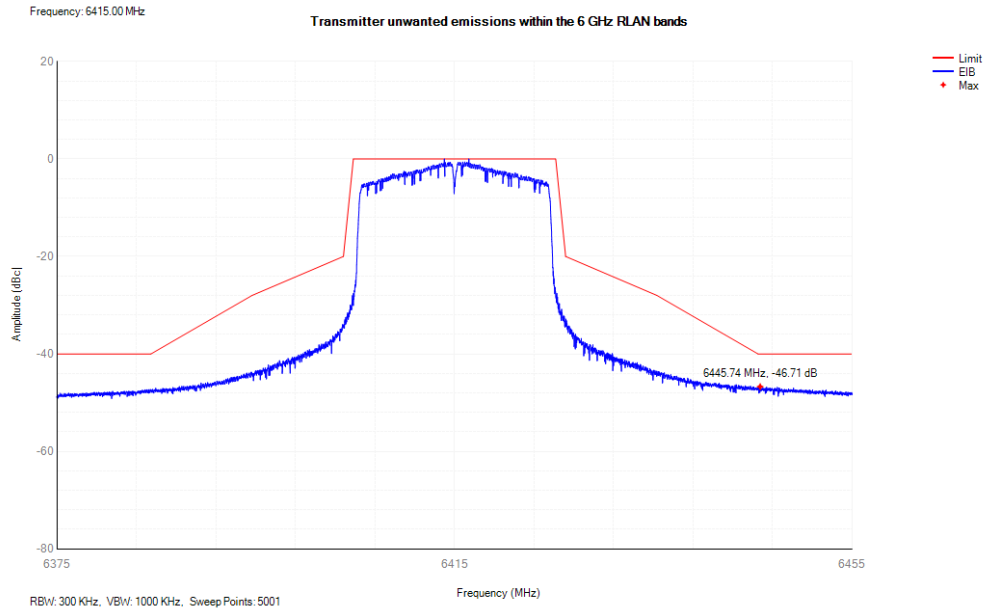


Power spectral mask NVNT ax20 6175MHz

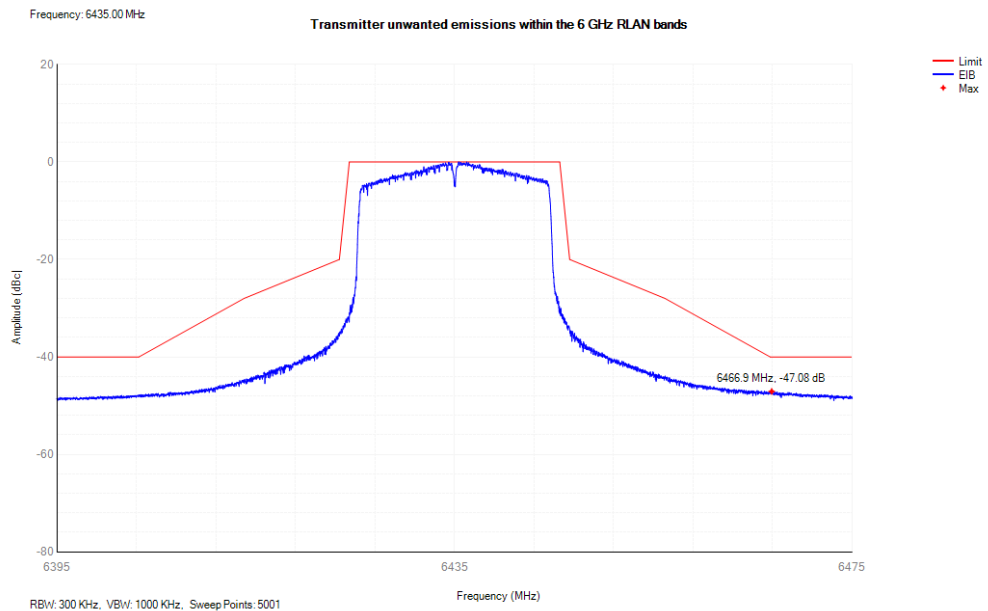




Power spectral mask NVNT ax20 6415MHz

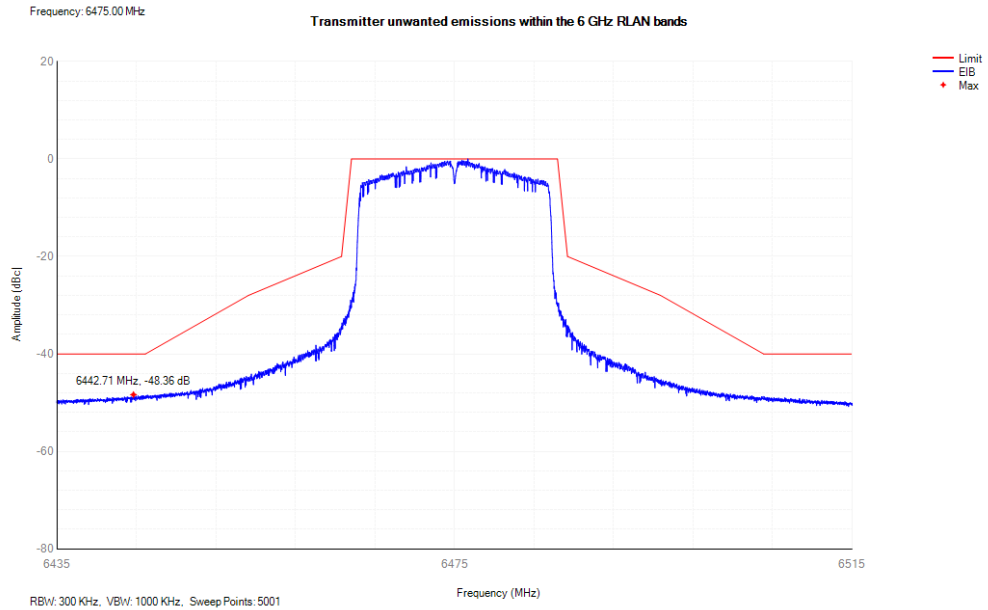


Power spectral mask NVNT ax20 6435MHz

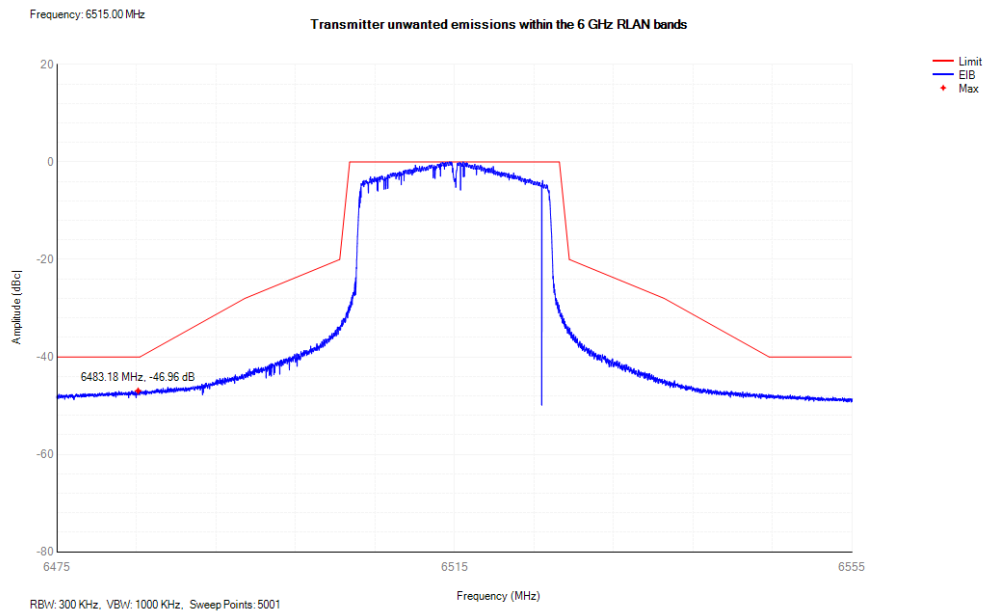




Power spectral mask NVNT ax20 6475MHz

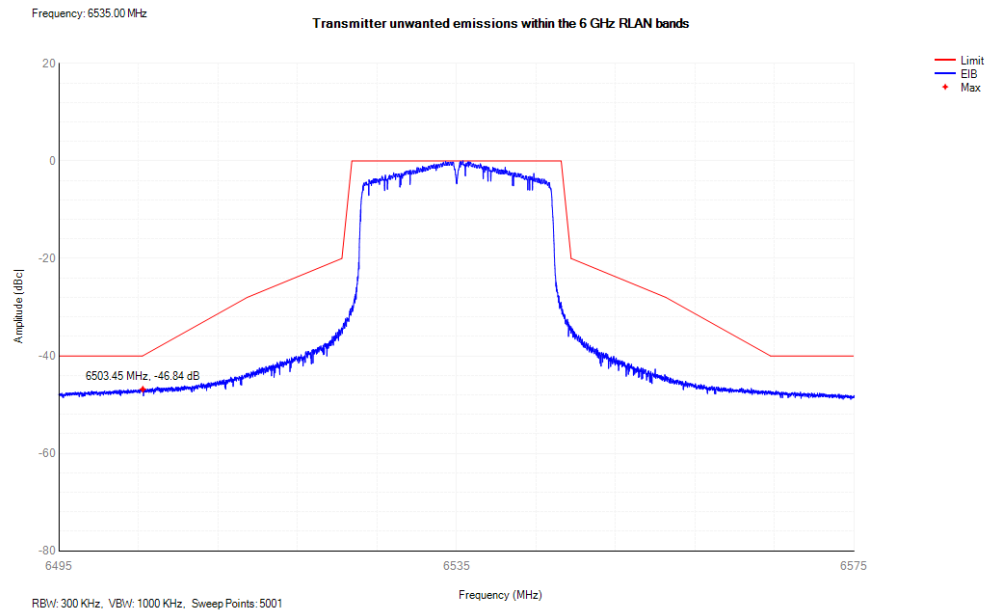


Power spectral mask NVNT ax20 6515MHz

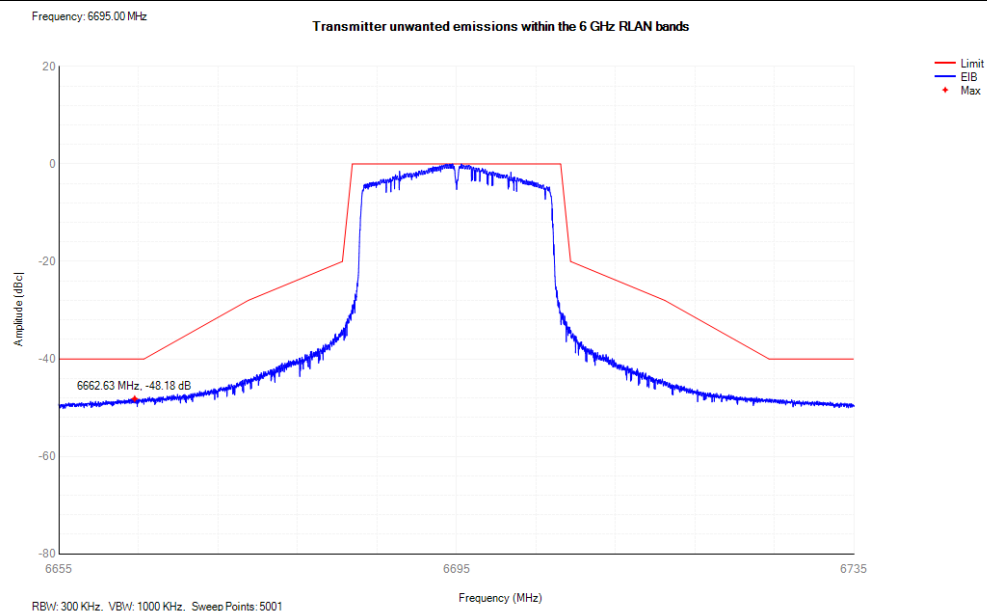




Power spectral mask NVNT ax20 6535MHz

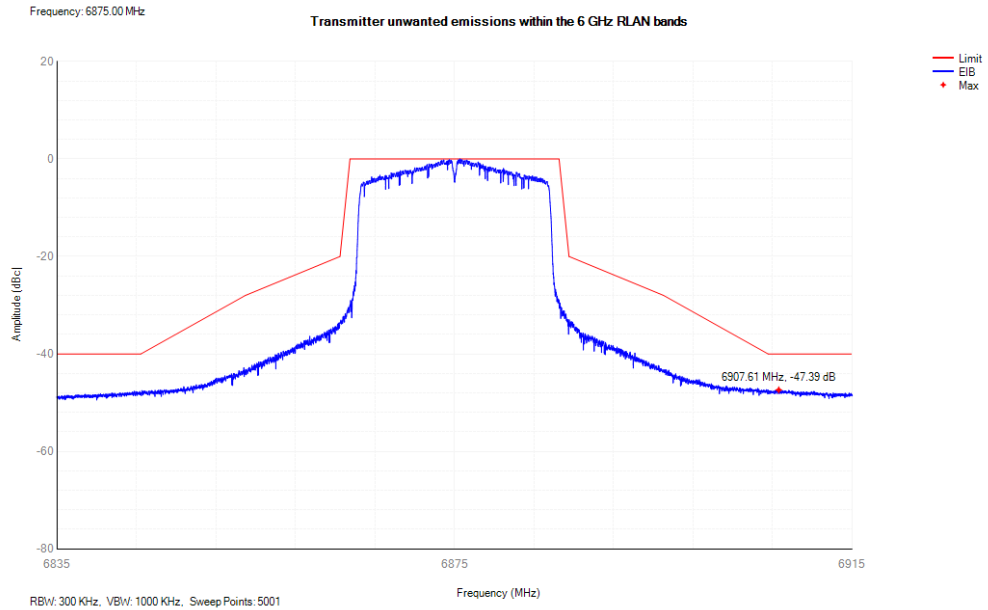


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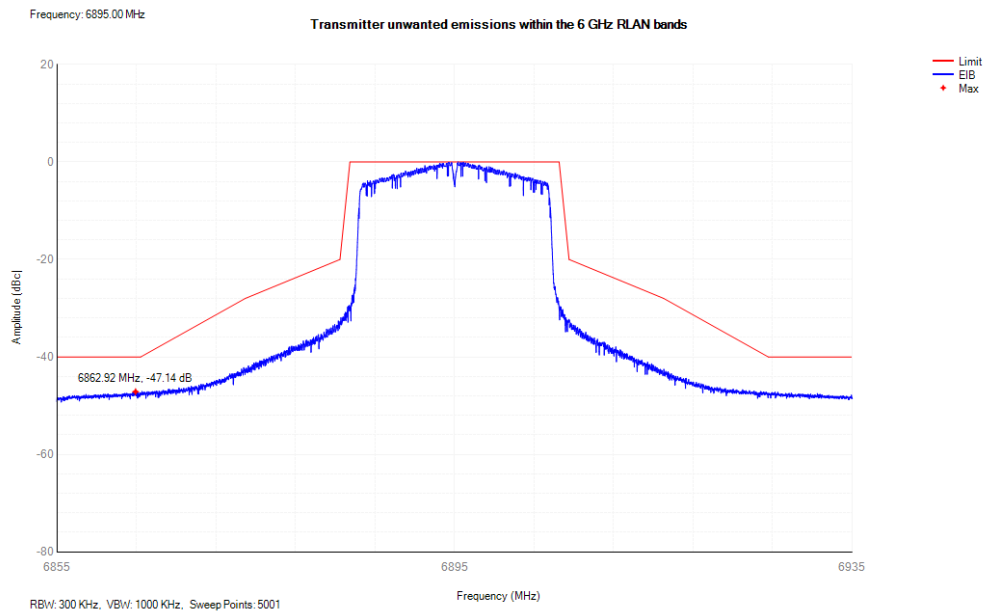




Power spectral mask NVNT ax20 6875MHz

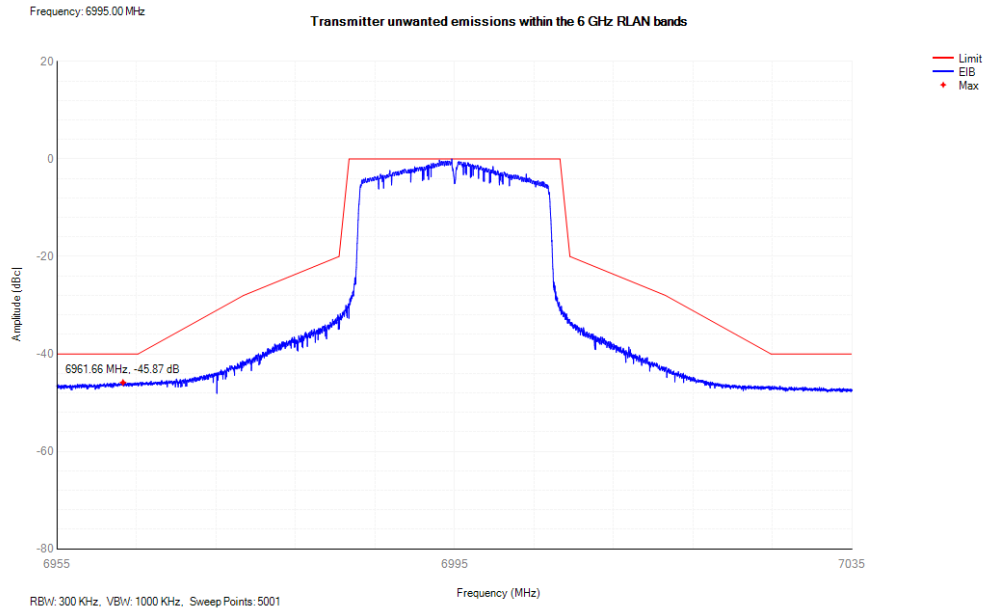


Power spectral mask NVNT ax20 6895MHz

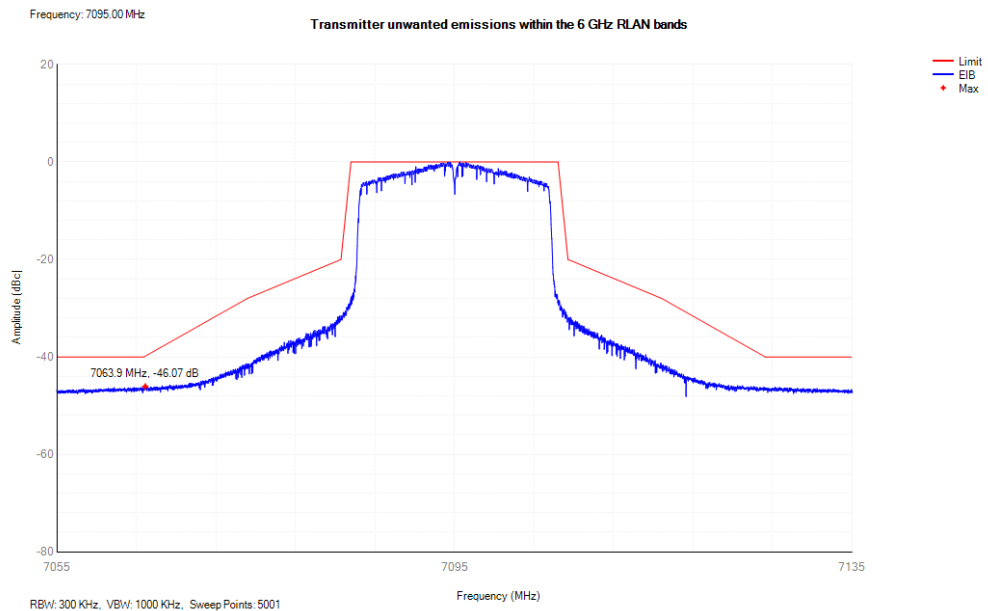




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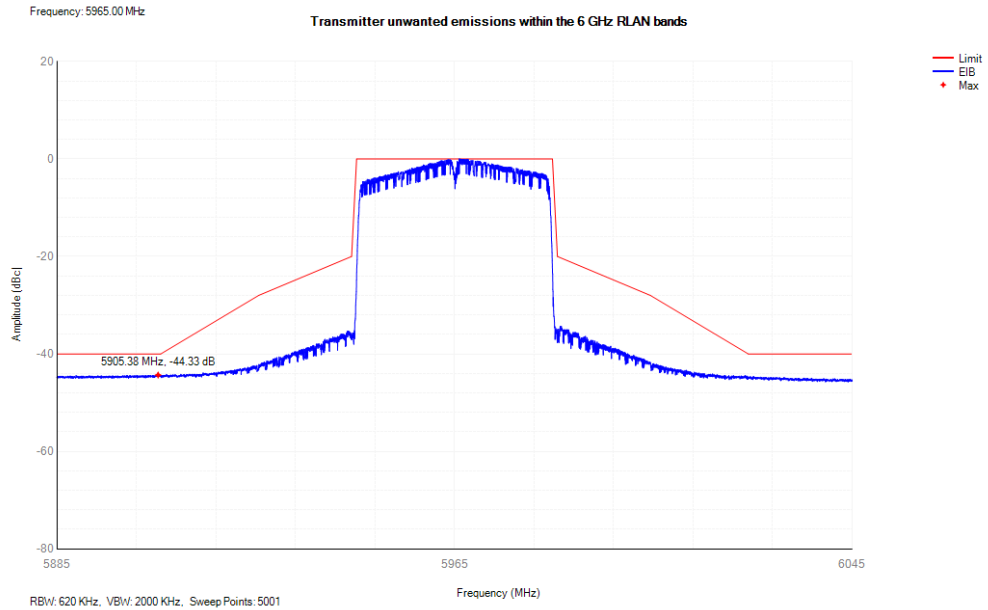


Power spectral mask NVNT ax20 7095MHz

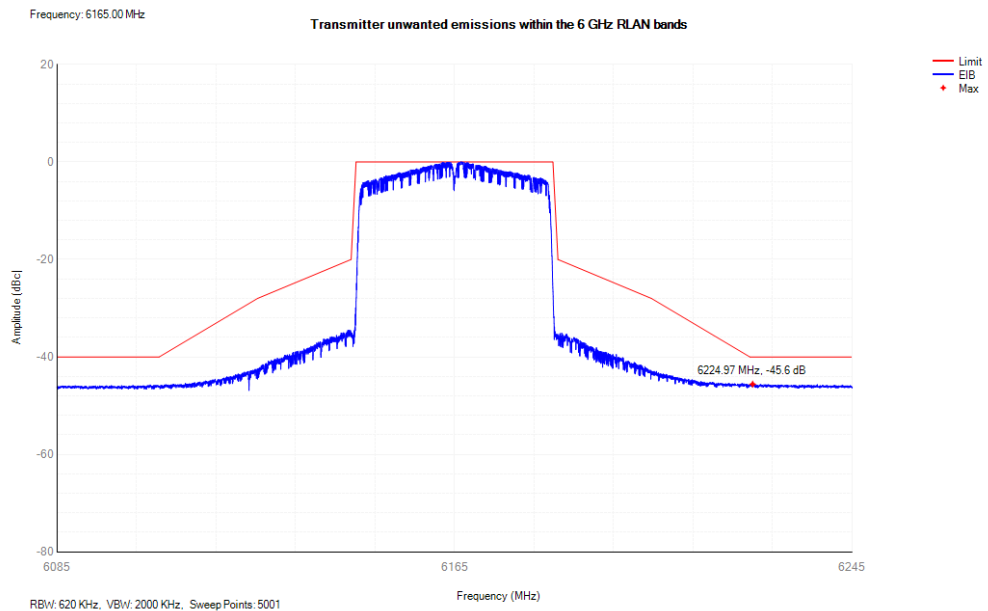




Power spectral mask NVNT ax40 5965MHz

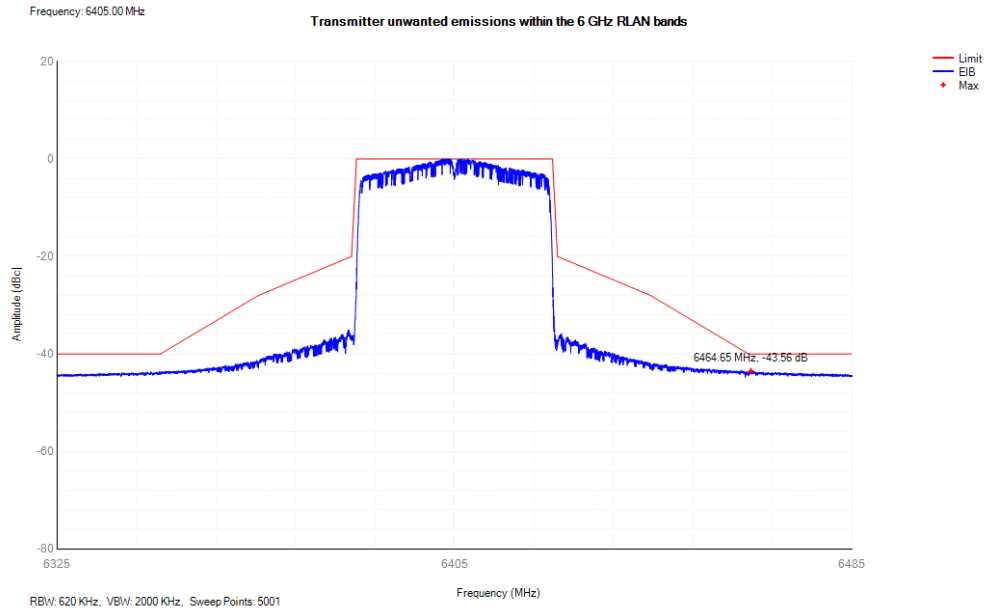


Power spectral mask NVNT ax40 6165MHz

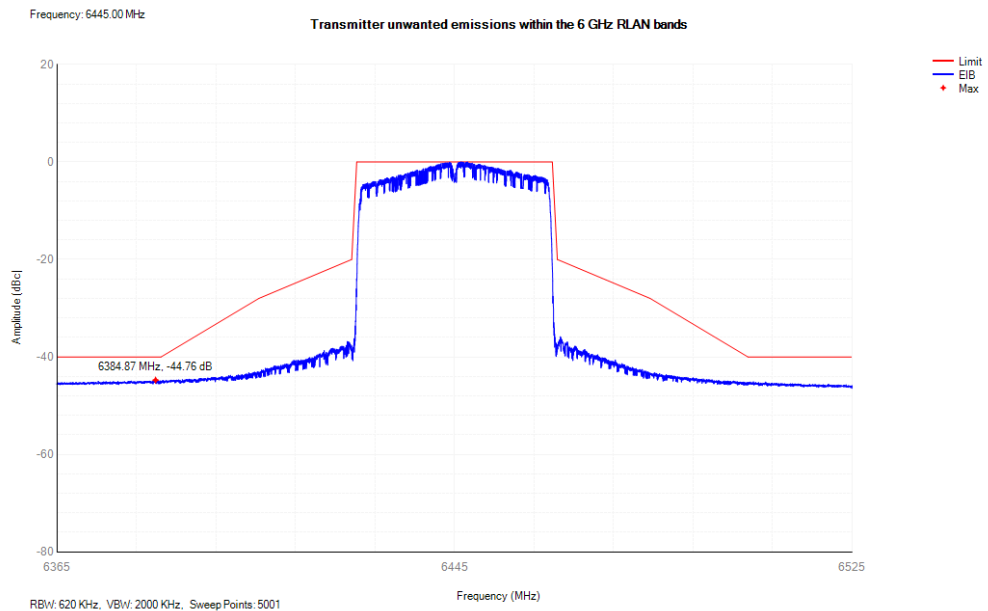




Power spectral mask NVNT ax40 6405MHz

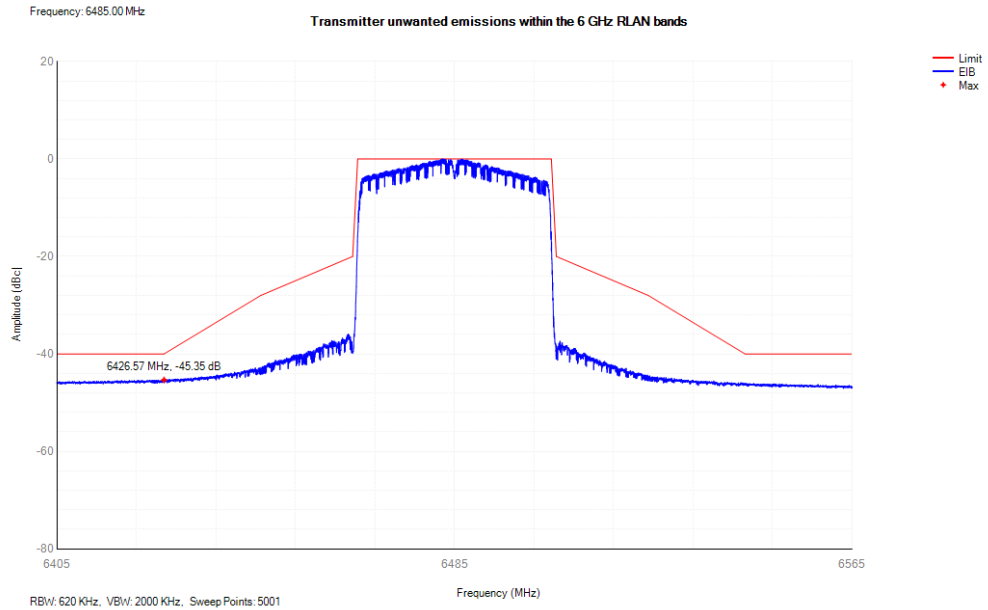


Power spectral mask NVNT ax40 6445MHz

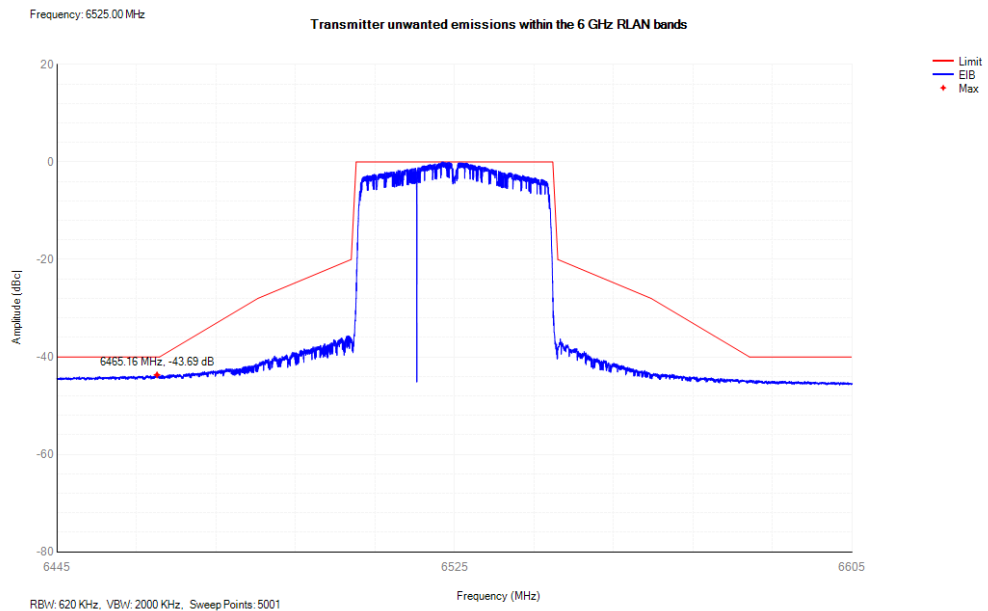




Power spectral mask NVNT ax40 6485MHz

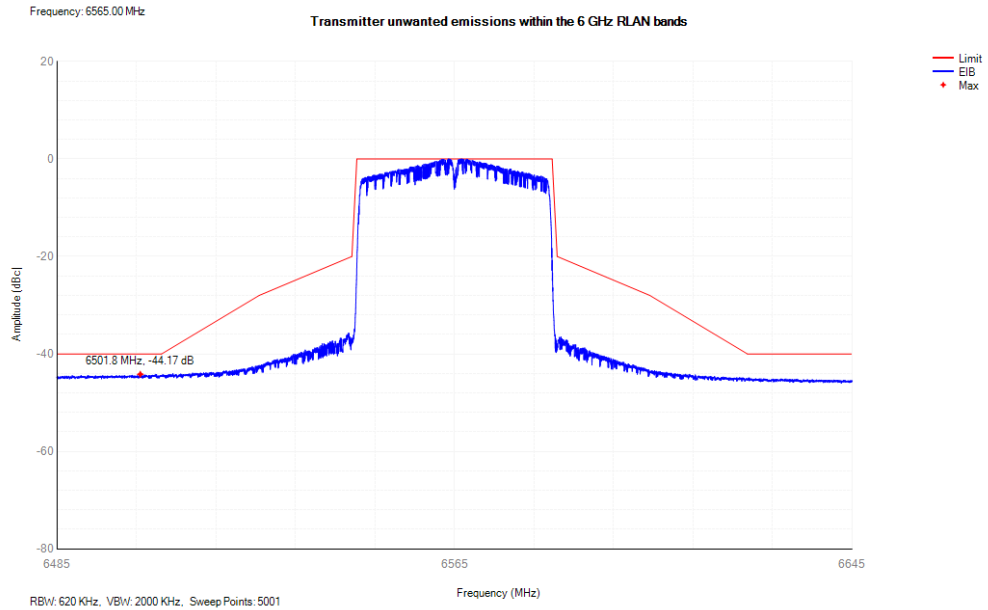


Power spectral mask NVNT ax40 6525MHz

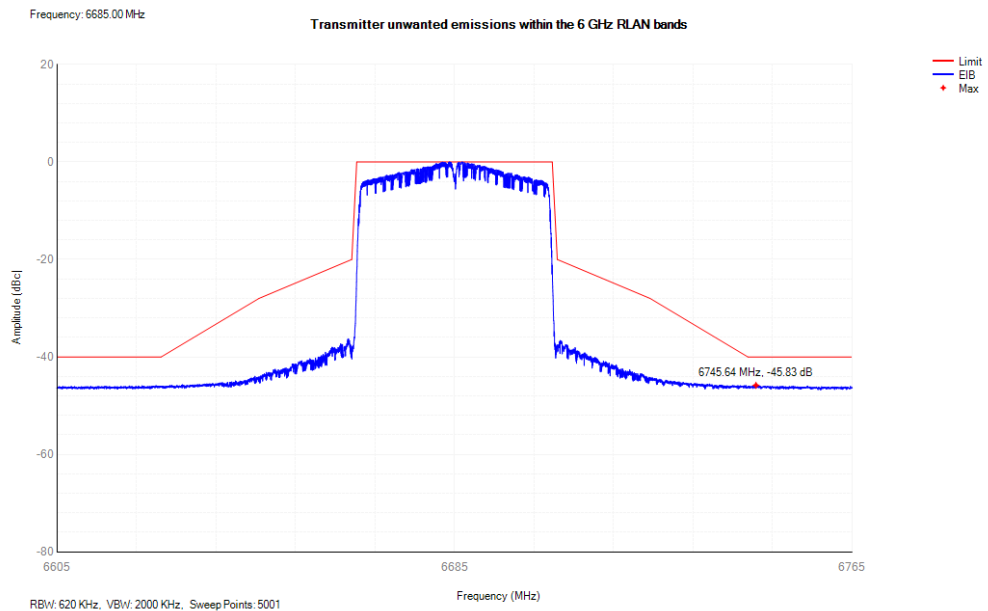




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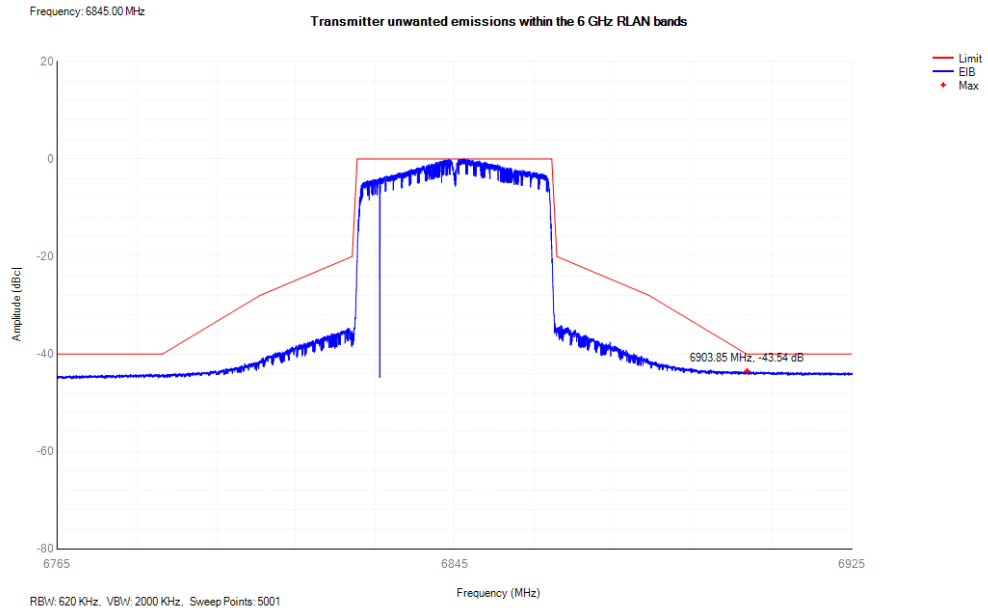


Power spectral mask NVNT ax40 6685MHz

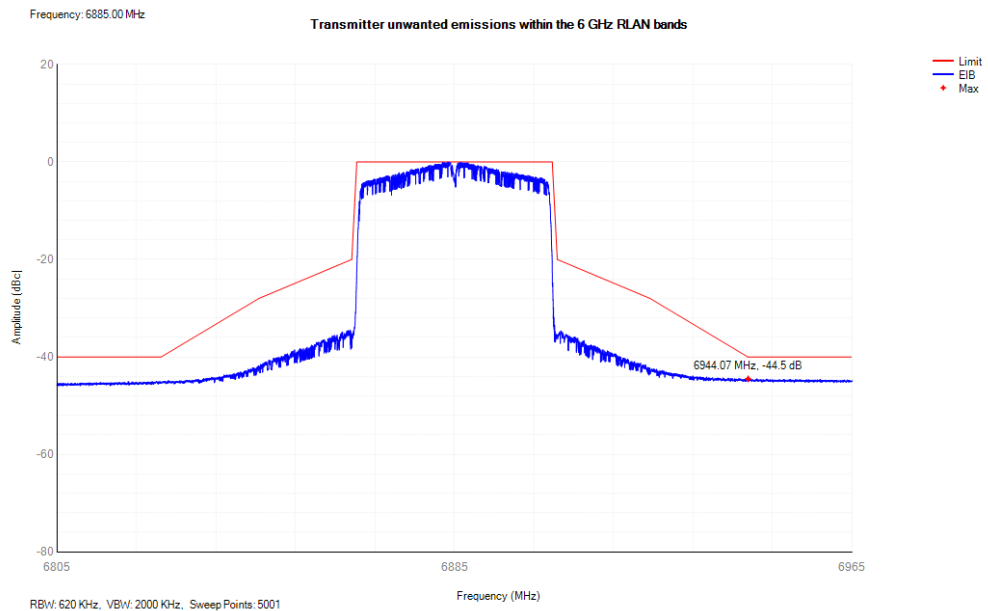




Power spectral mask NVNT ax40 6845MHz

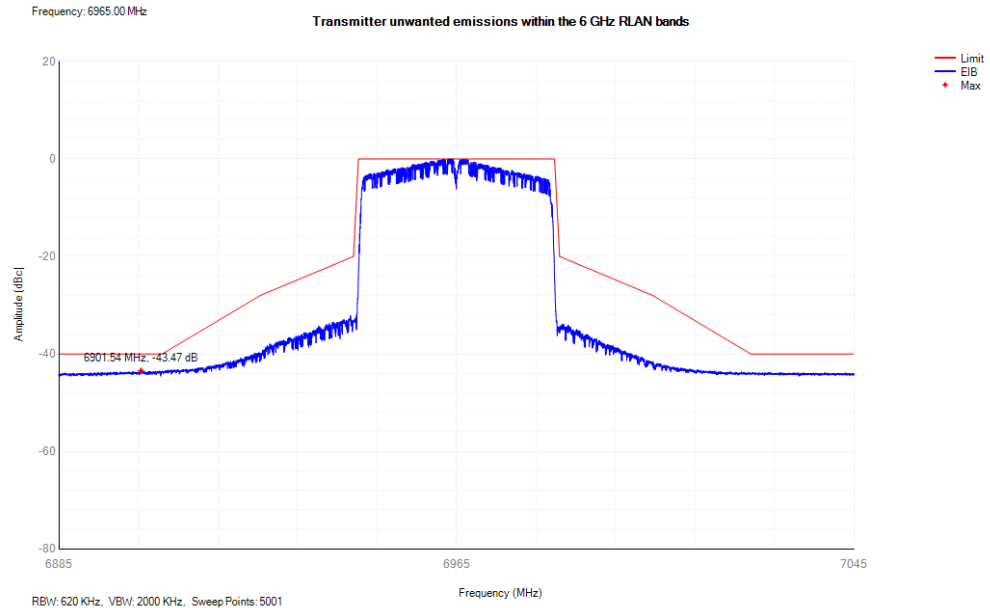


Power spectral mask NVNT ax40 6885MHz

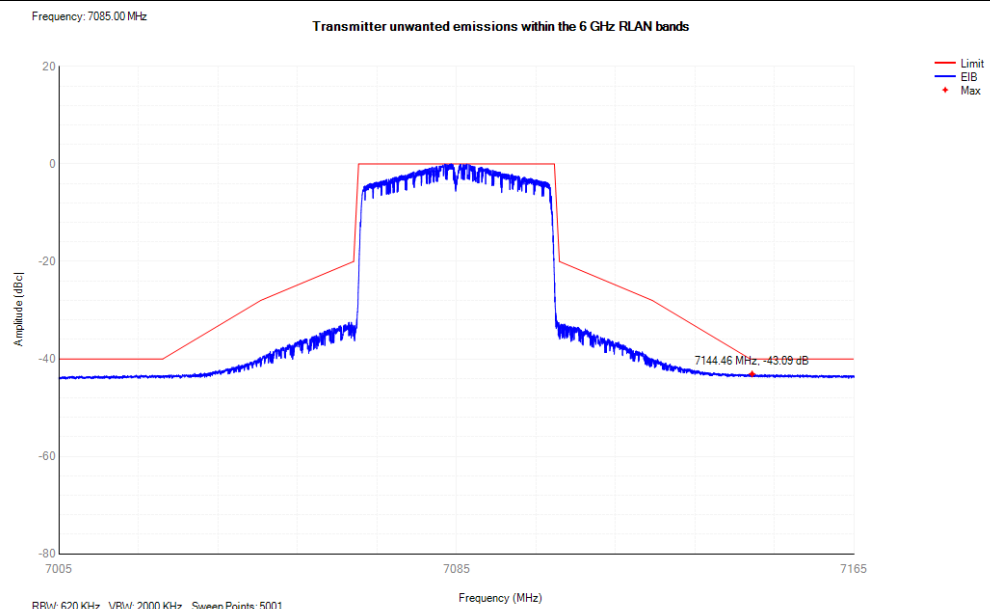




Power spectral mask NVNT ax40 6965MHz

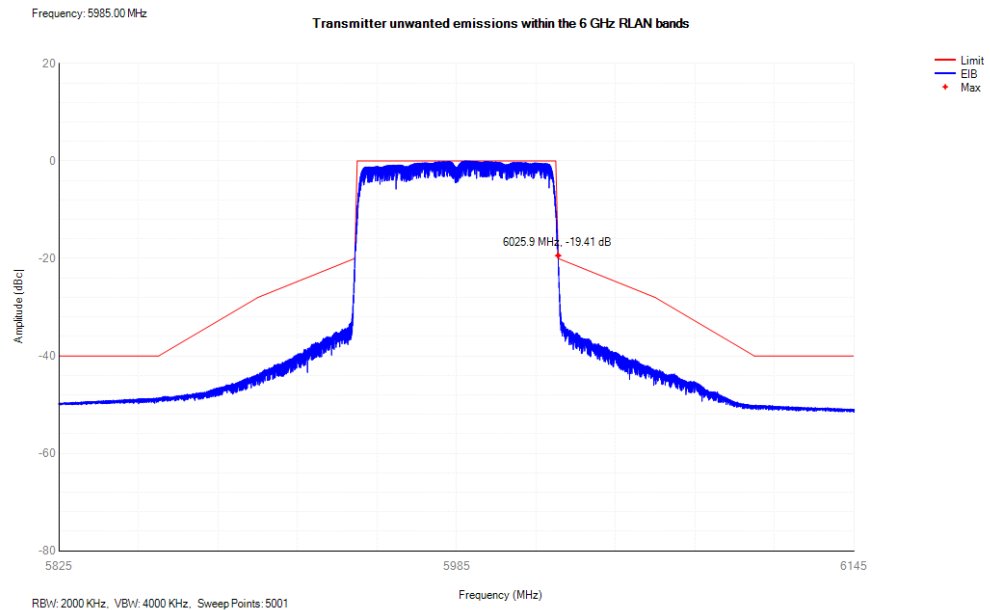


Power spectral mask NVNT ax40 7085MHz

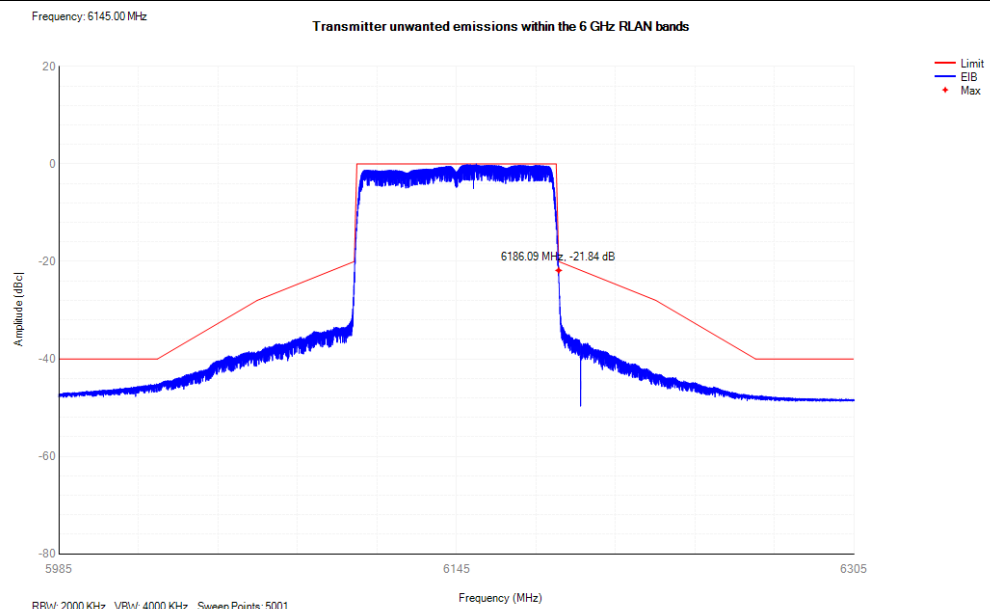




Power spectral mask NVNT ax80 5985MHz

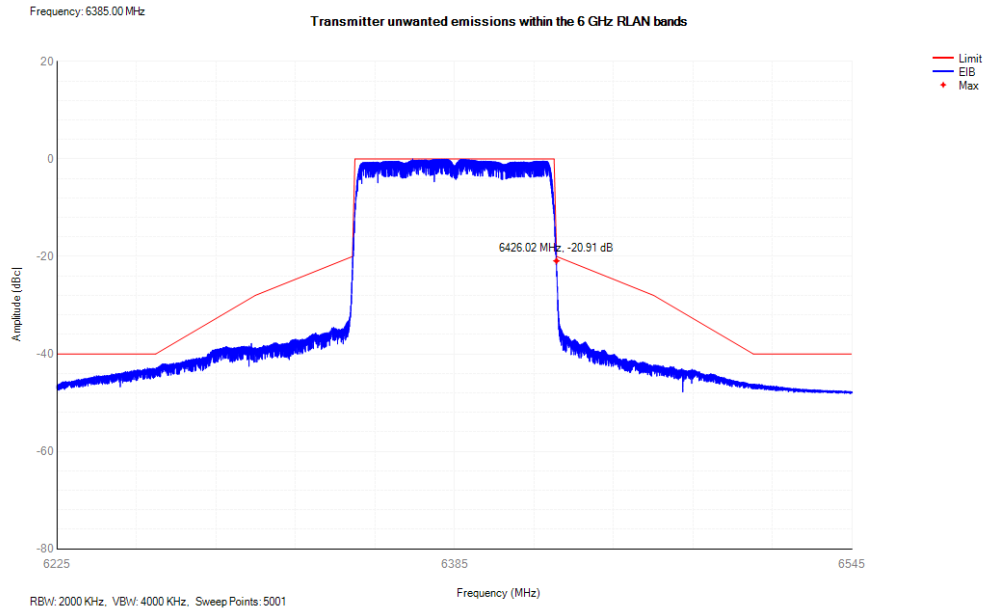


Power spectral mask NVNT ax80 6145MHz

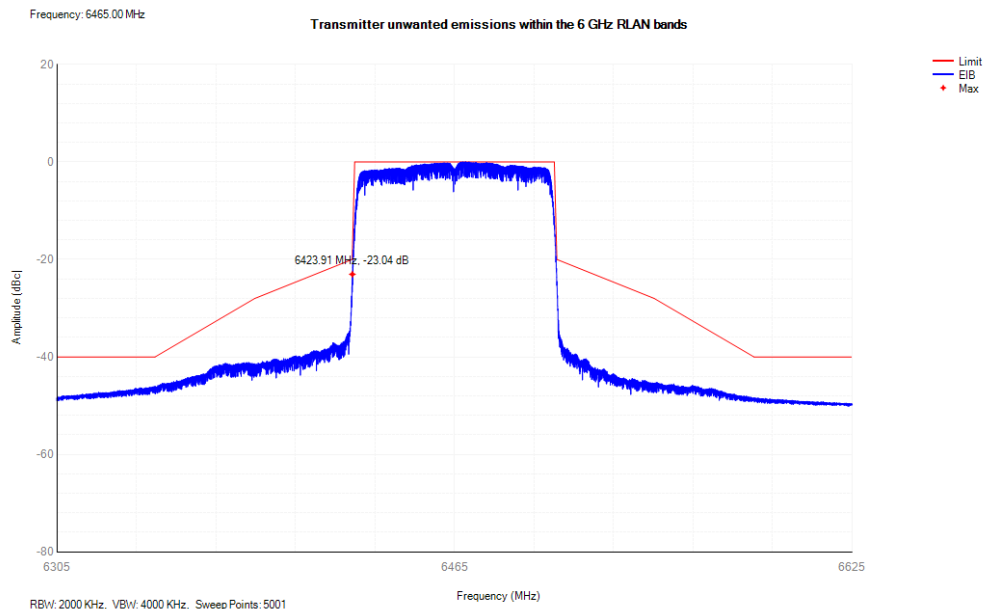




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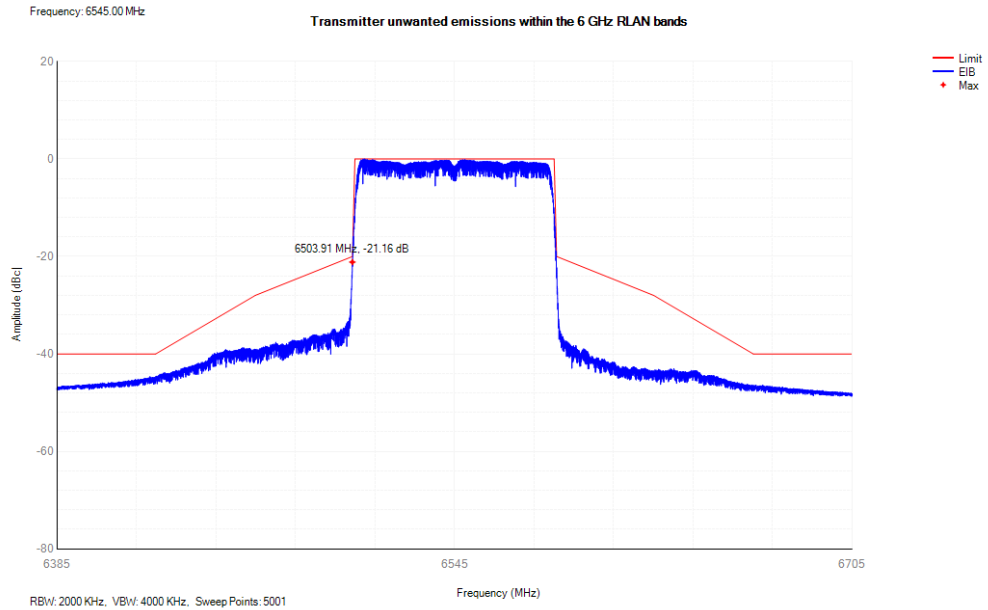


Power spectral mask NVNT ax80 6465MHz

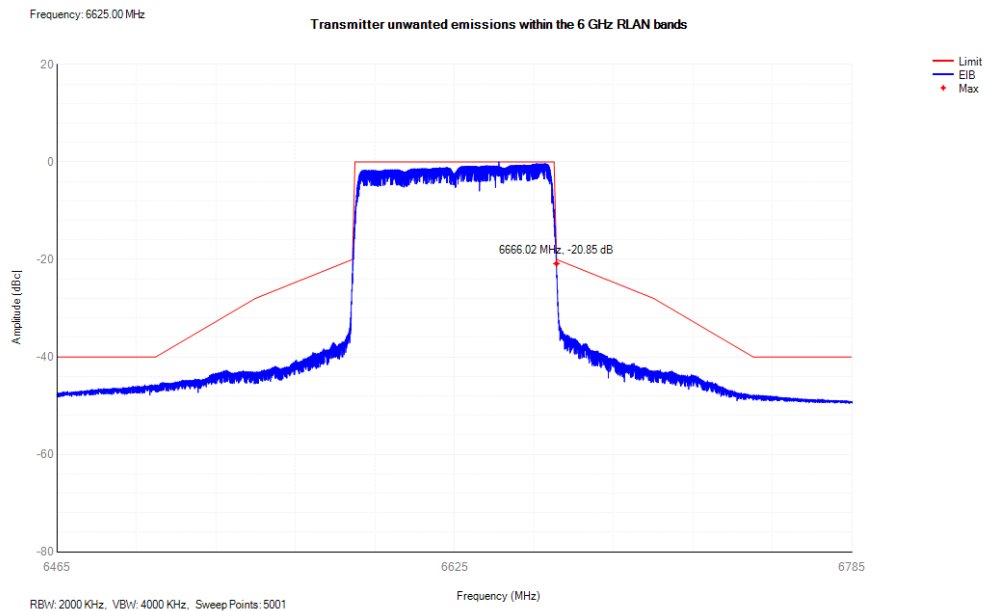




Power spectral mask NVNT ax80 6545MHz

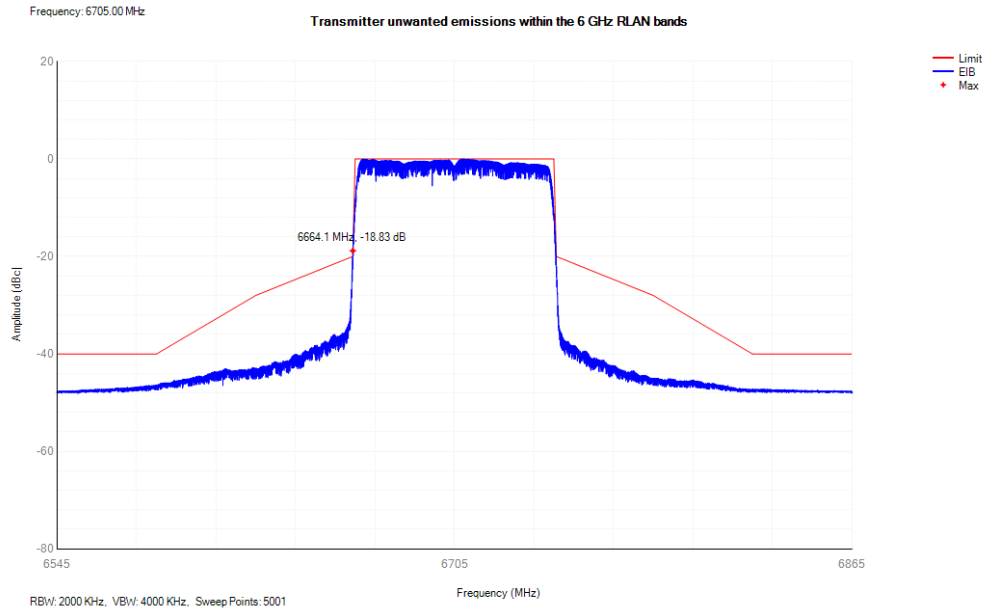


Power spectral mask NVNT ax80 6625MHz

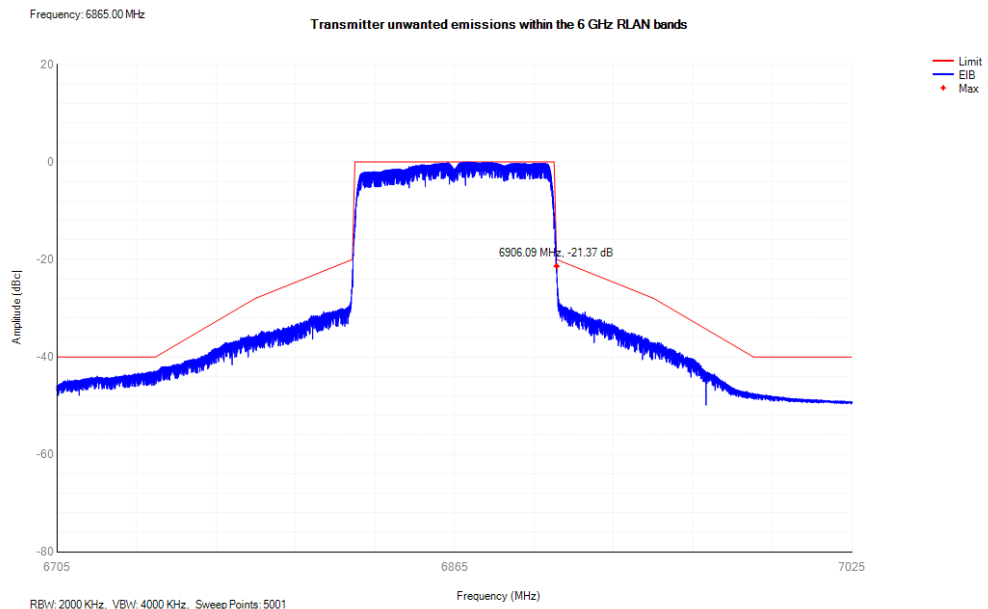




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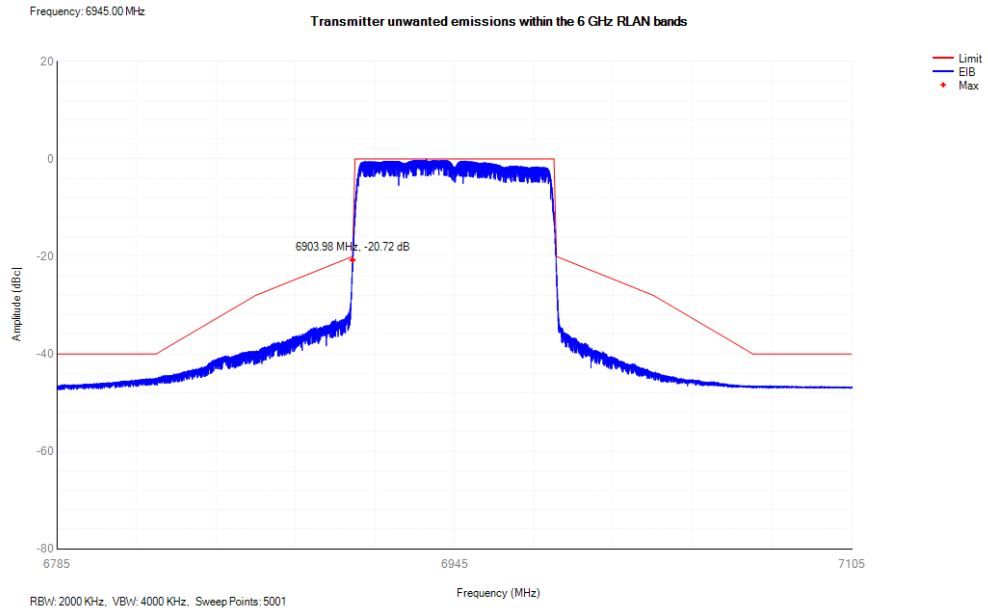


Power spectral mask NVNT ax80 6865MHz

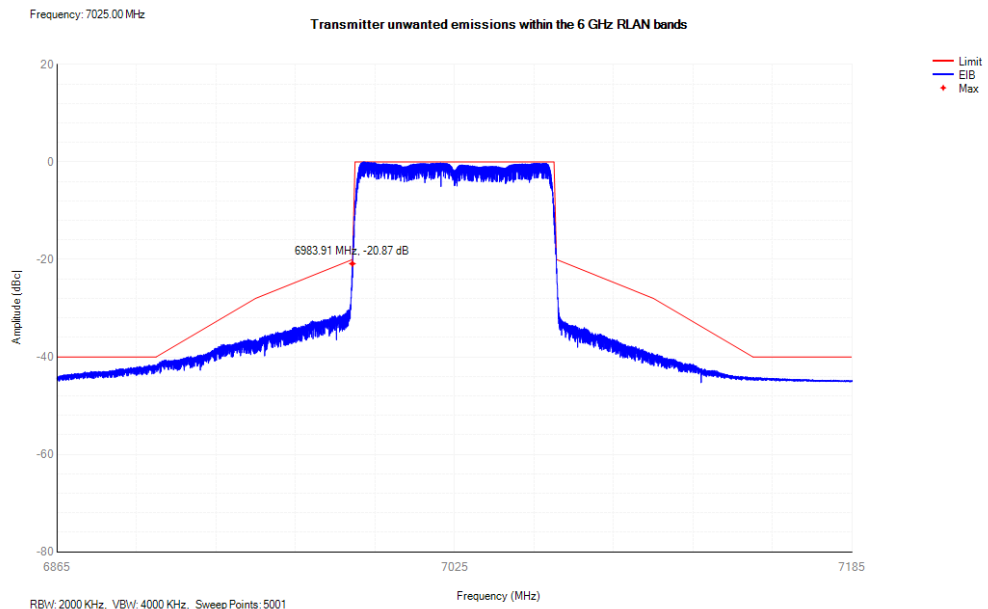




Power spectral mask NVNT ax80 6945MHz

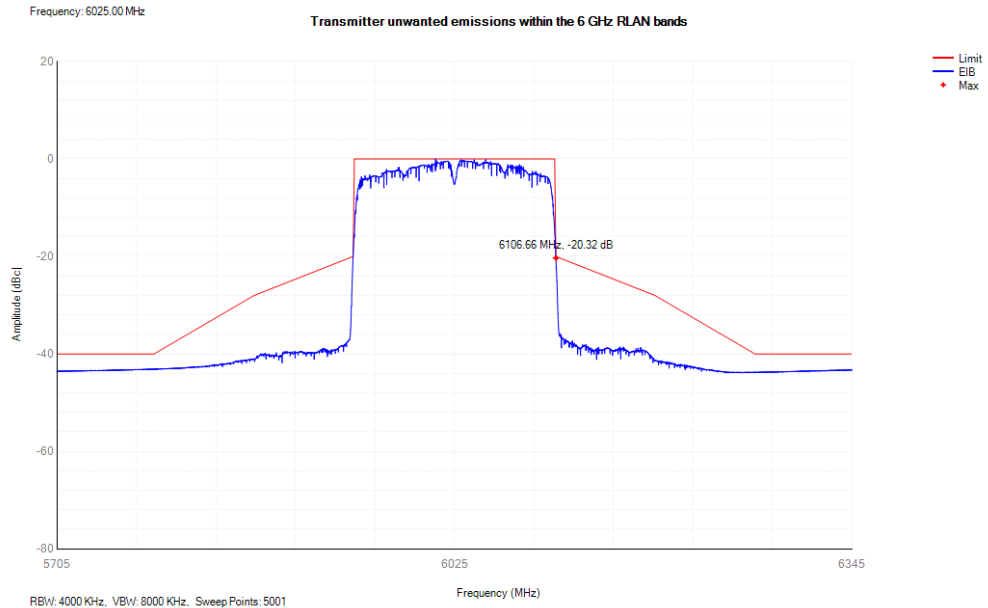


Power spectral mask NVNT ax80 7025MHz

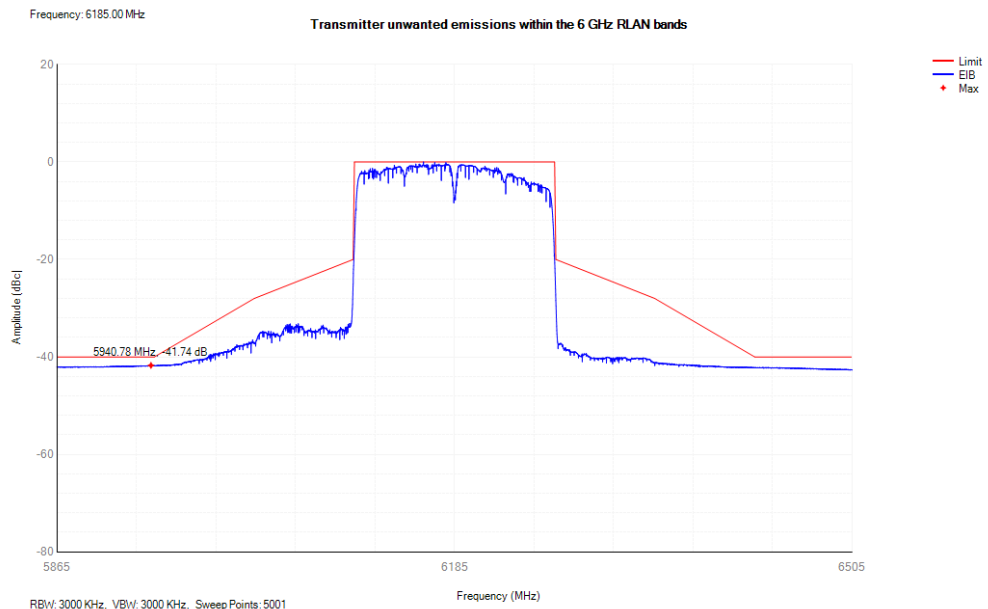




Power spectral mask NVNT ax160 6025MHz

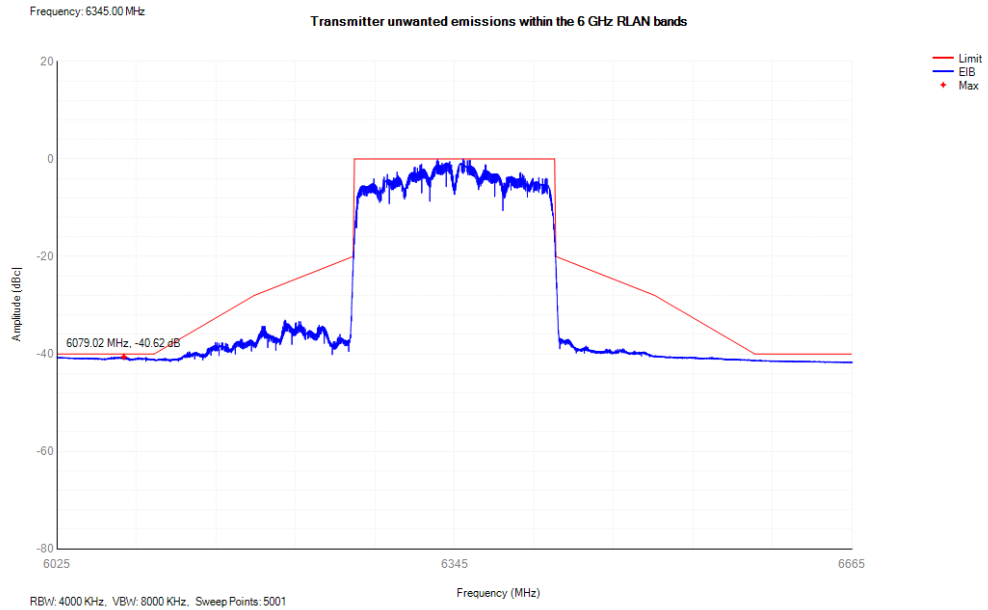


Power spectral mask NVNT ax160 6185MHz

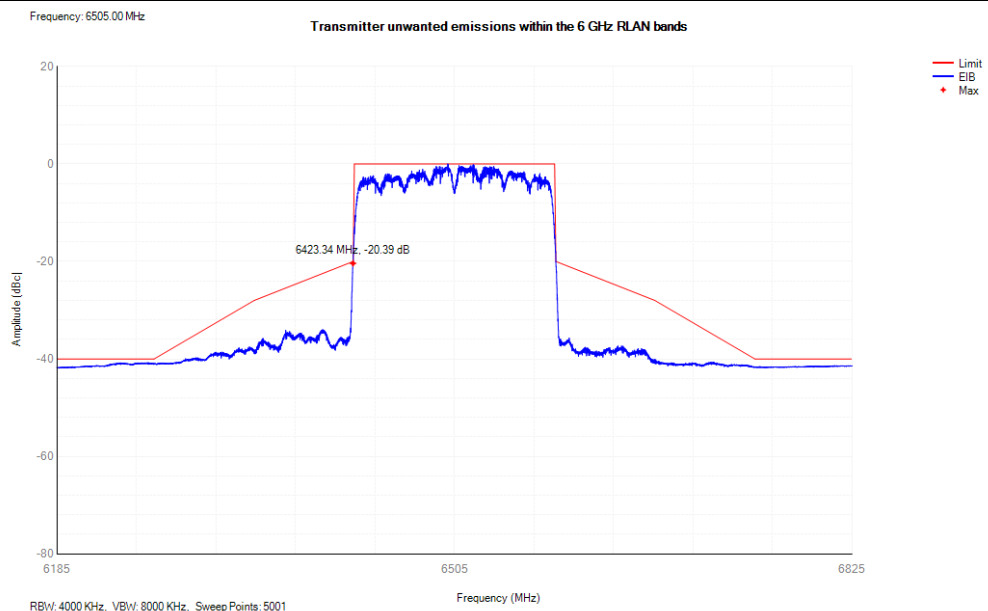




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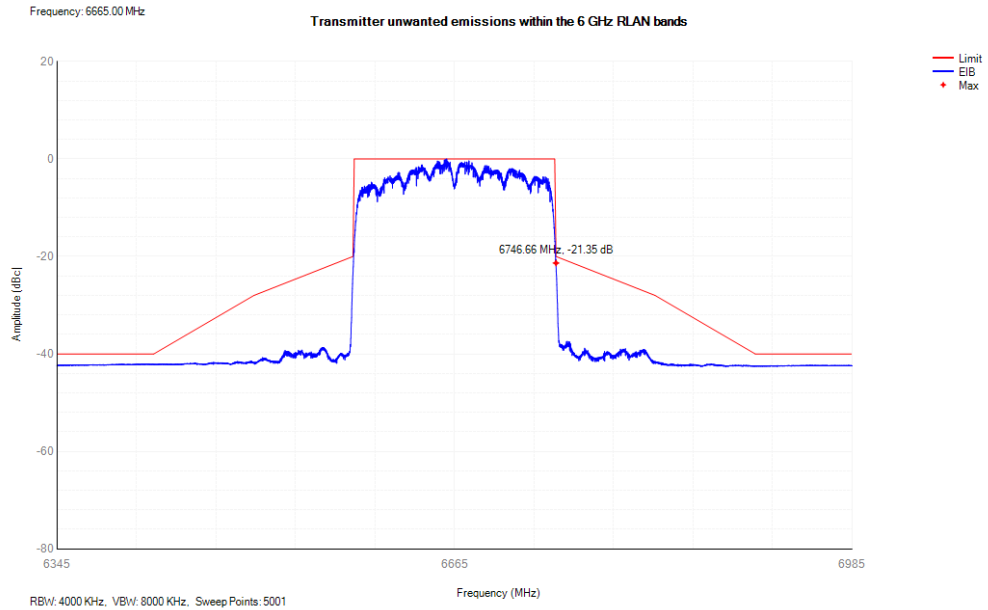


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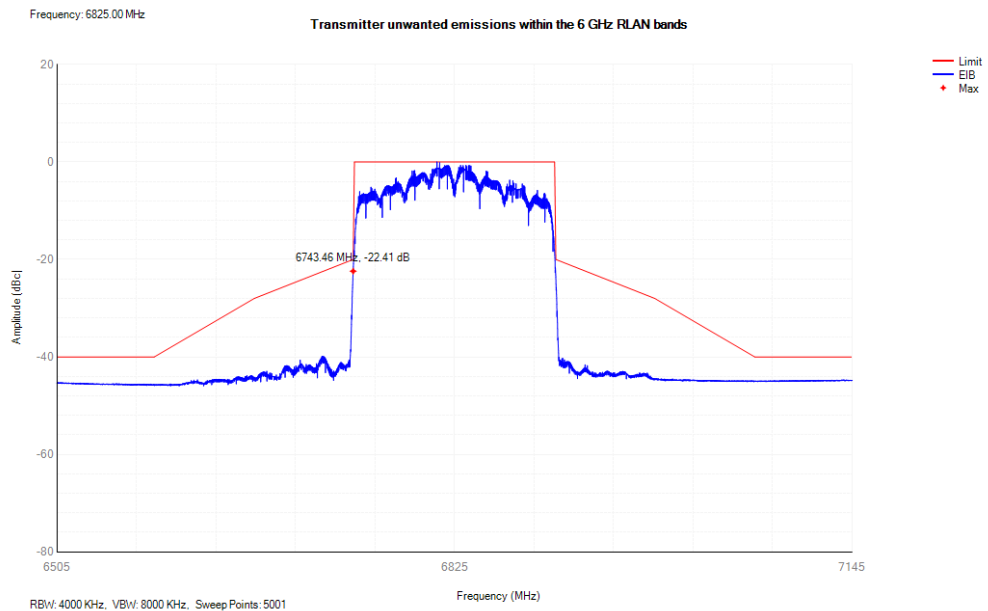




Power spectral mask NVNT ax160 6665MHz



Power spectral mask NVNT ax160 6825MHz



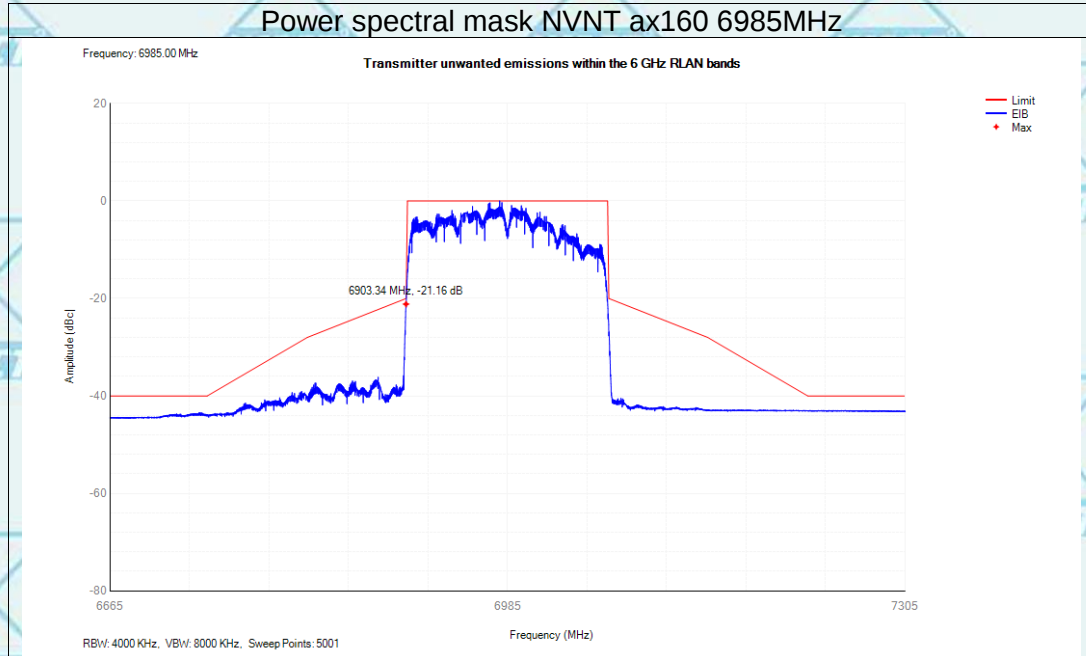


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Power spectral mask NVNT ax160 6985MHz





8 Test Setup Photographs

Please refer to Annex "Set Up Photos-15E" for test setup photos

*******END OF REPORT*******