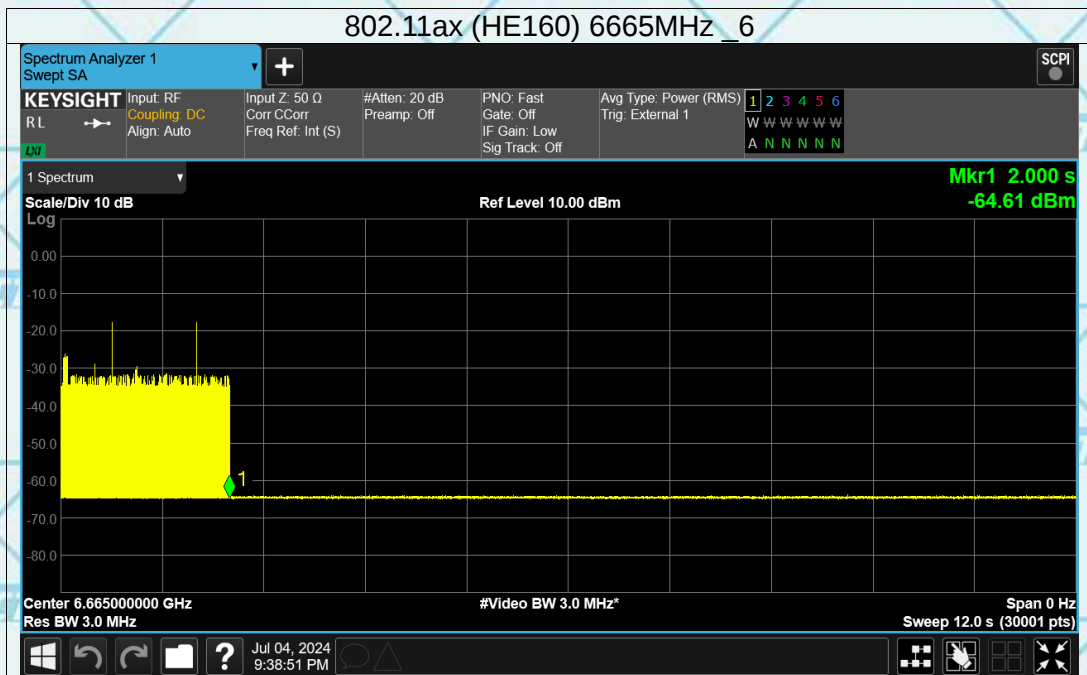
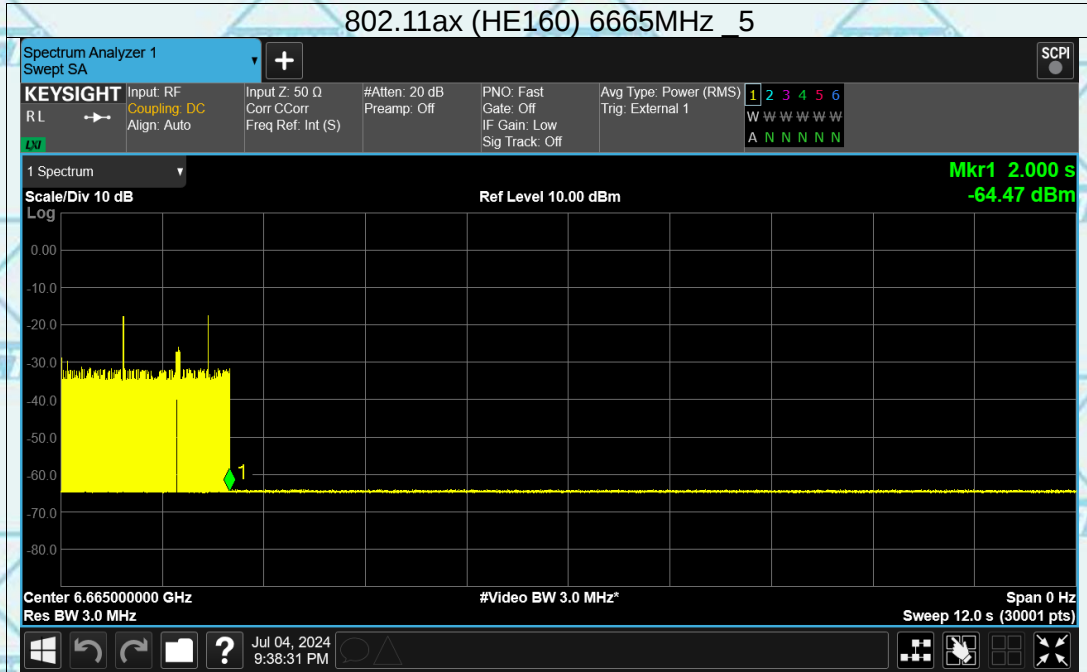




Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

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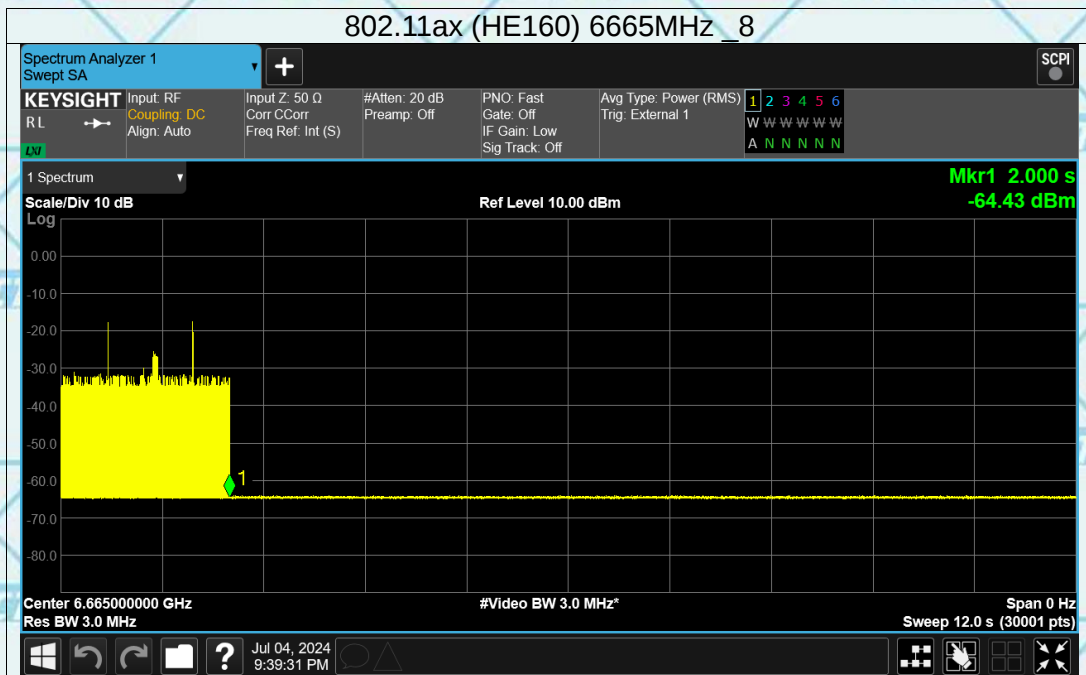
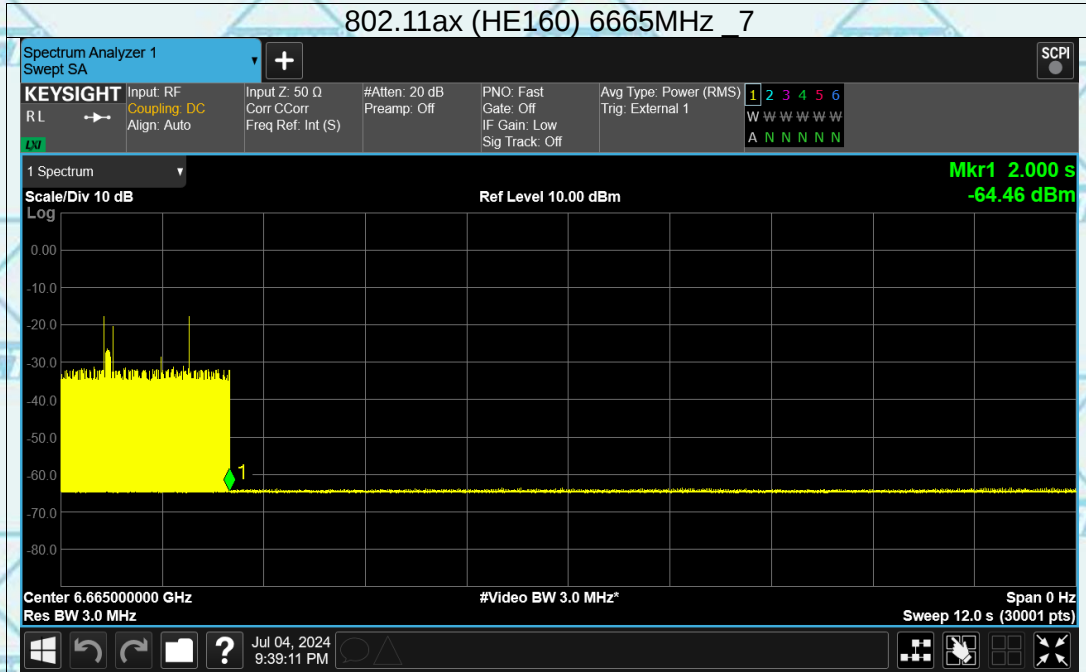




Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

Certificate #5768.01

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Please Contact with WSCT  
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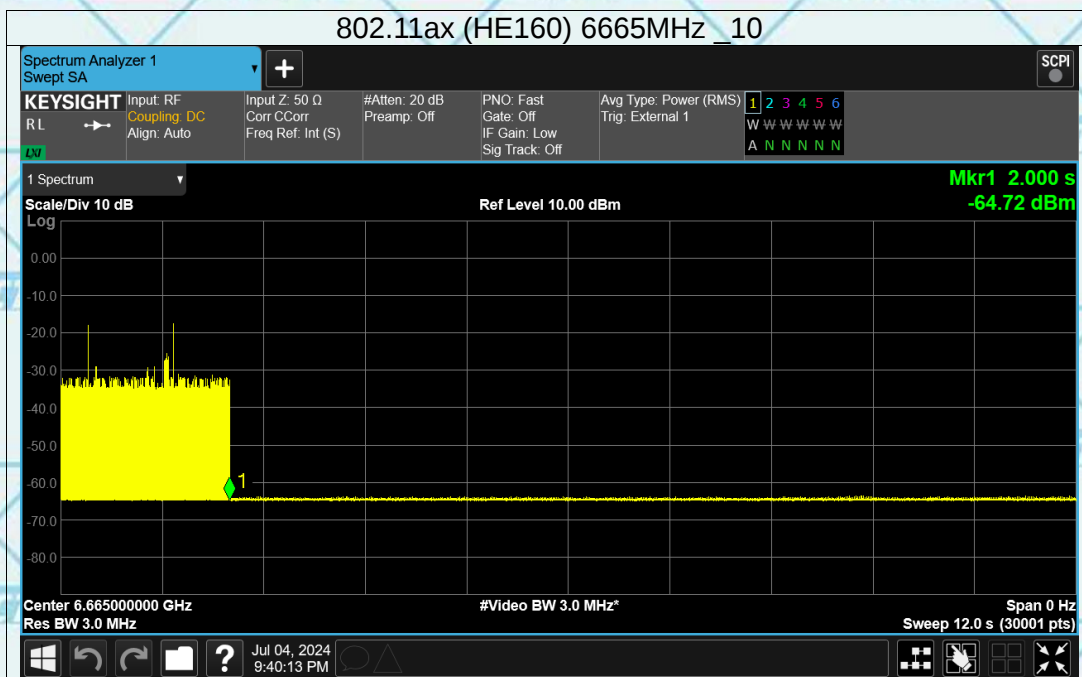
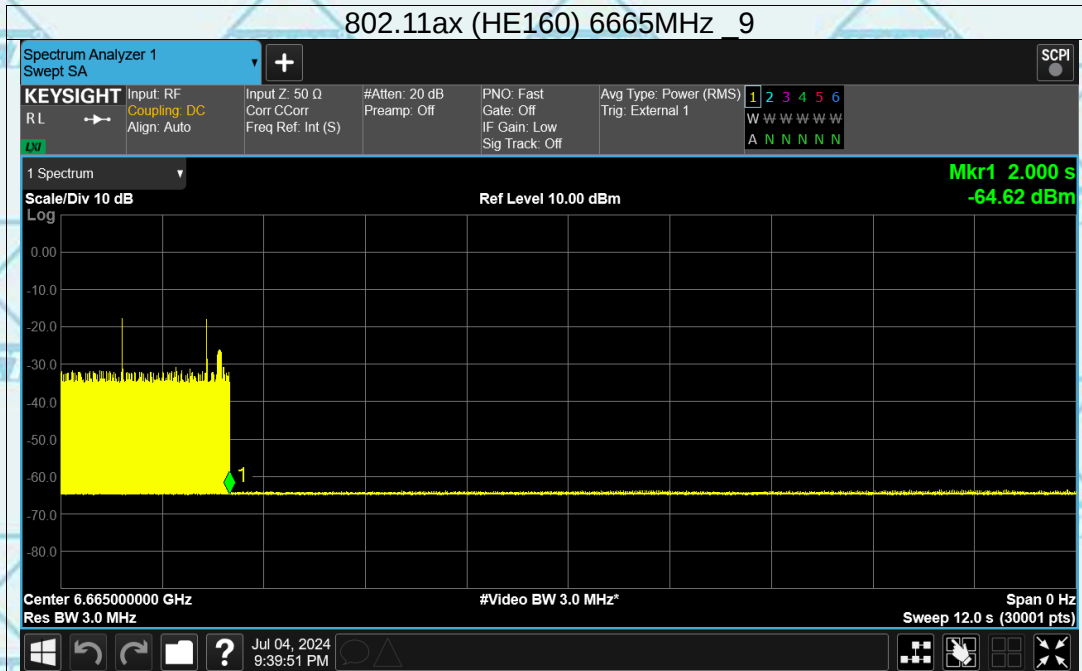




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Certificate #5768.01

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Please Contact with WSCT  
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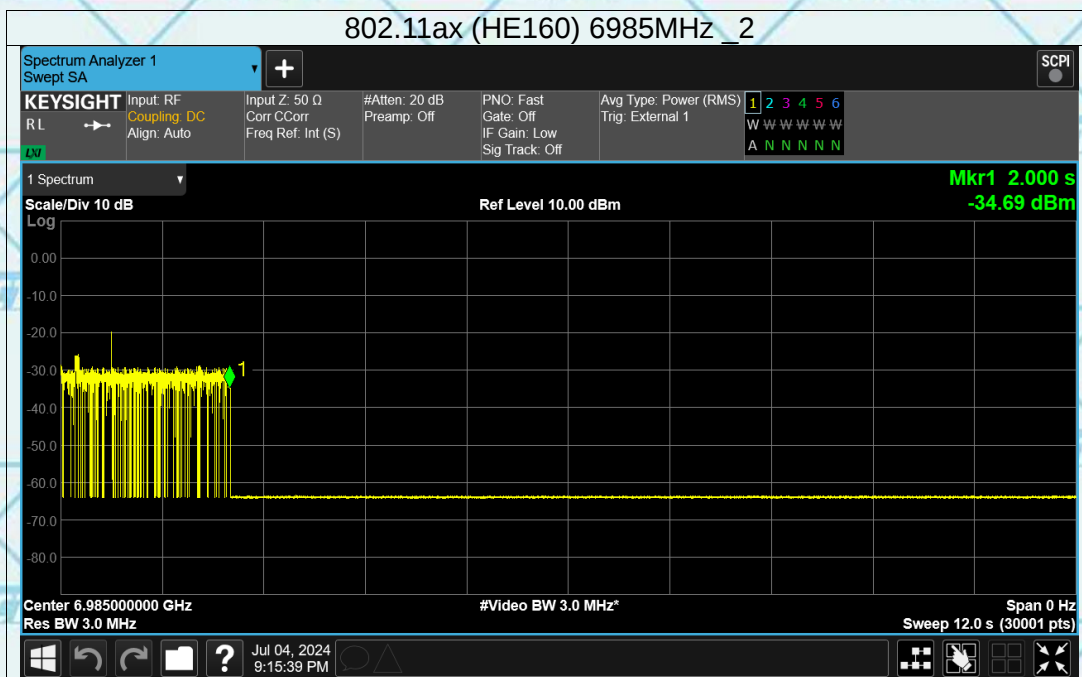
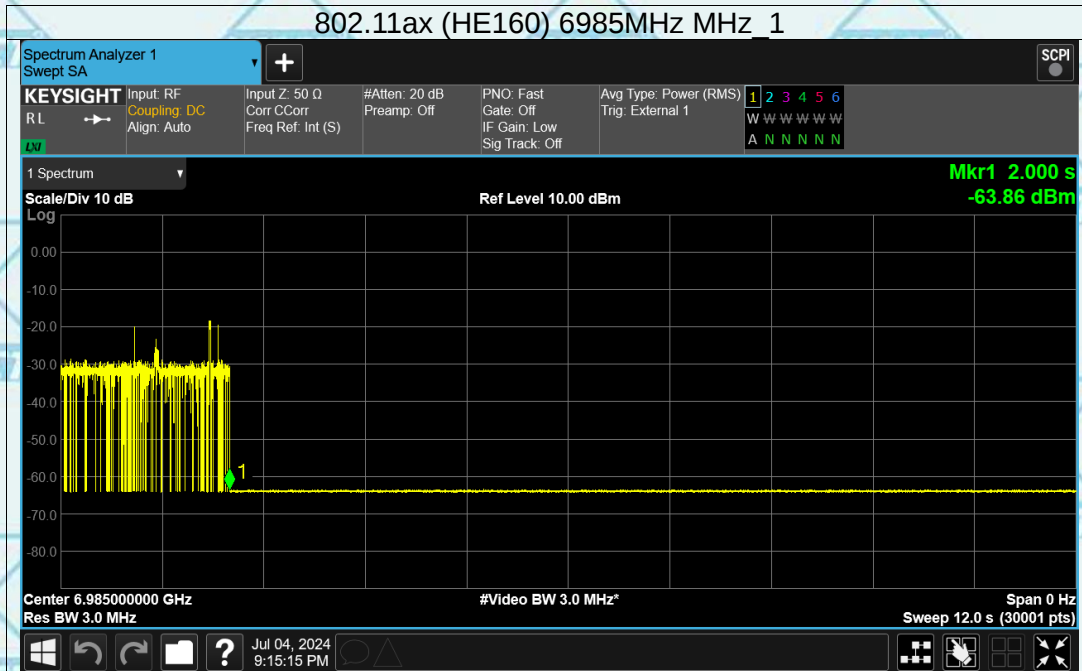




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Certificate #5768.01

For Question,  
Please Contact with WSCT  
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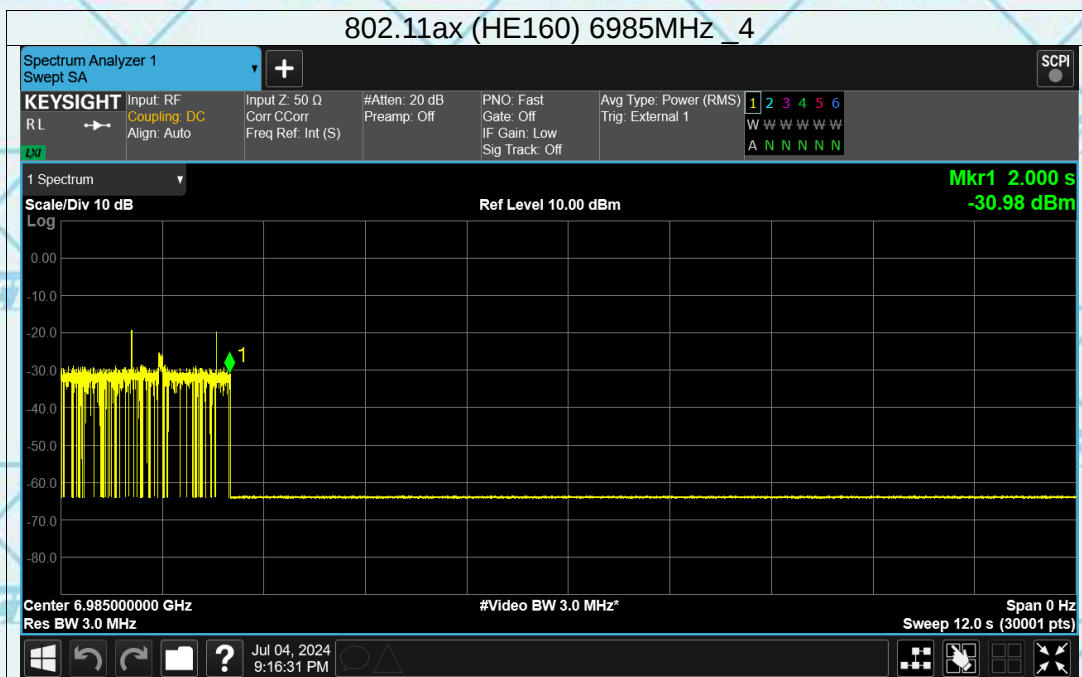
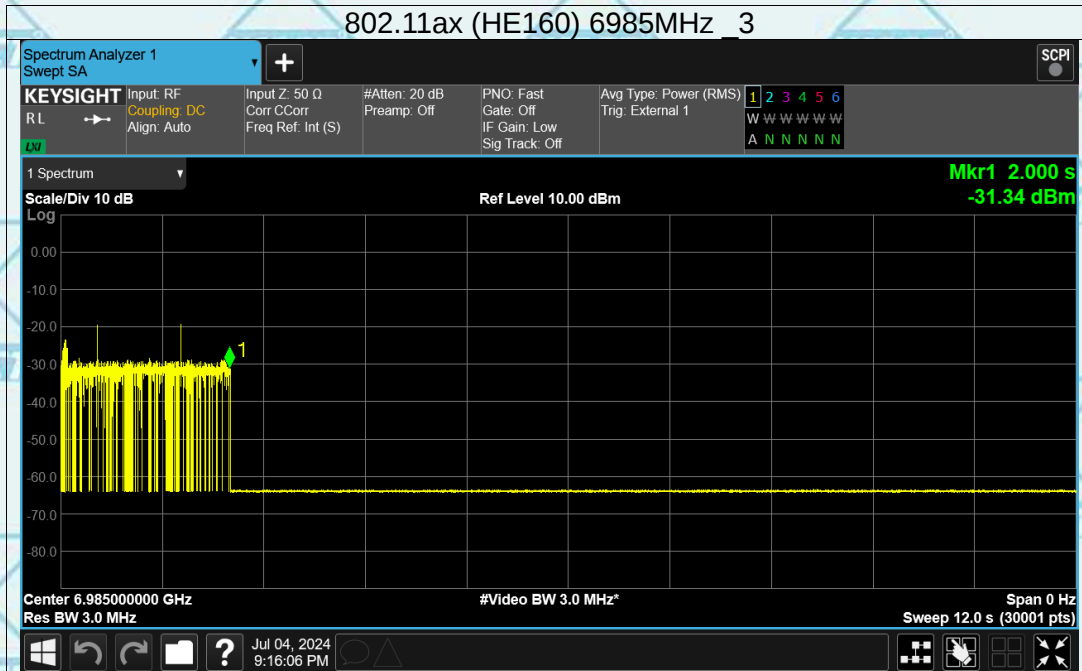




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Certificate #5768.01

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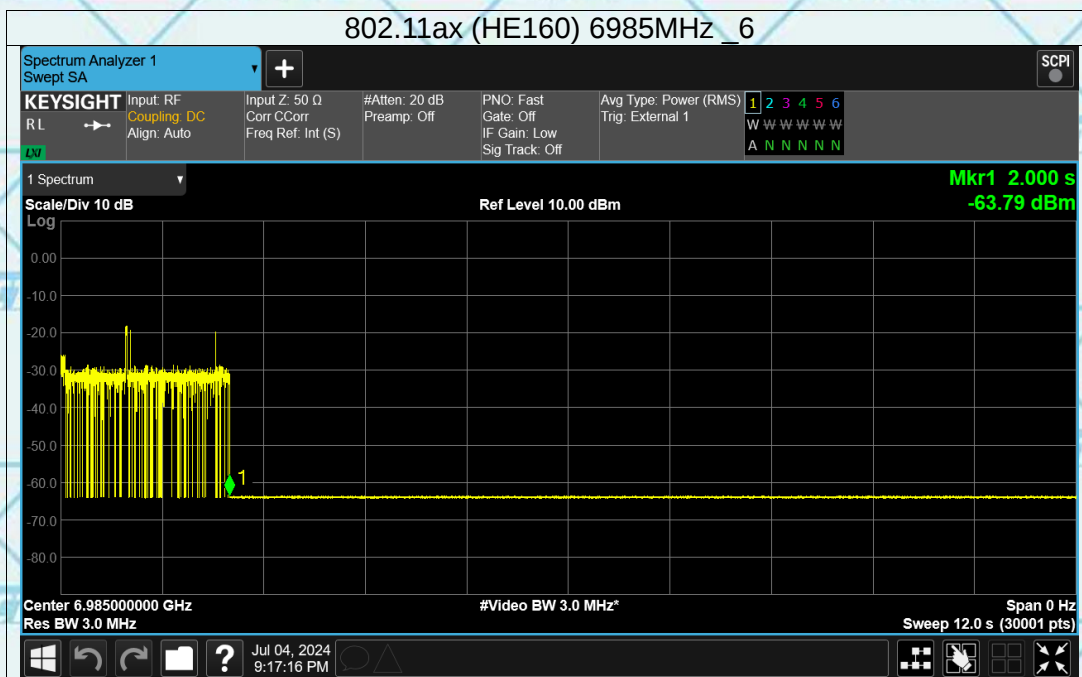
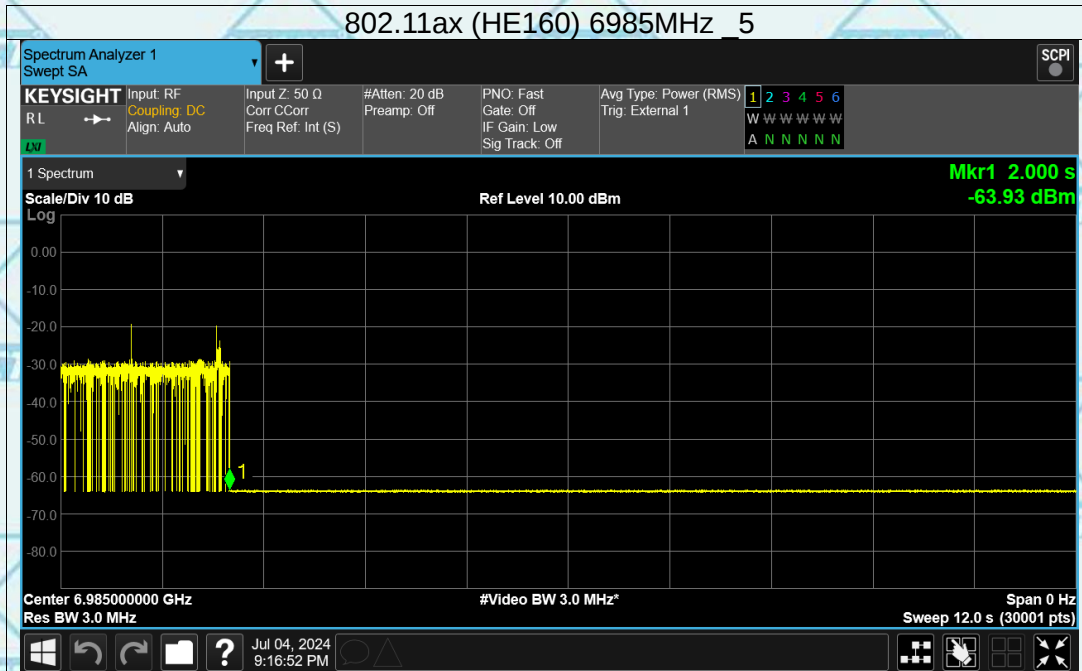




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Certificate #5768.01

For Question,  
Please Contact with WSCT  
www.wsct-cert.com

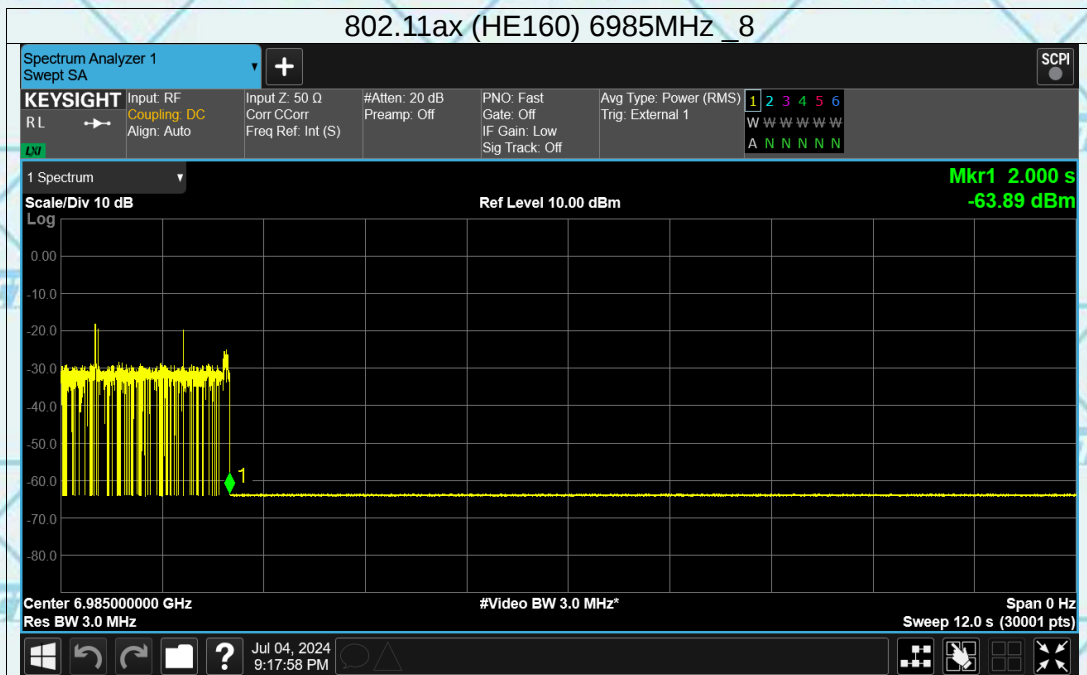
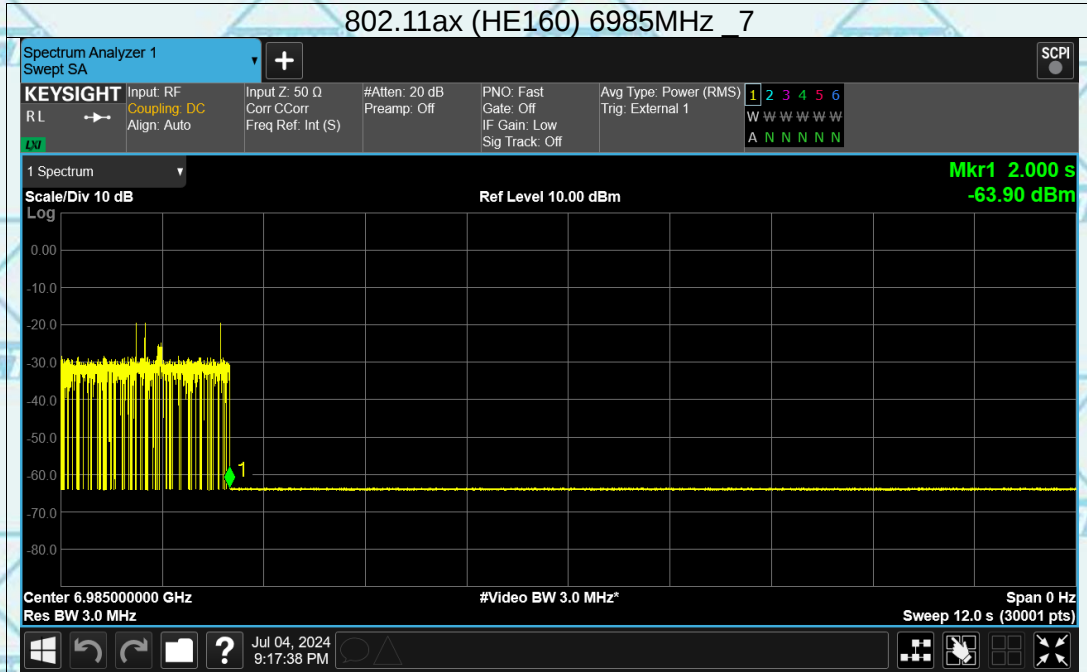




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For Question,  
Please Contact with WSCT  
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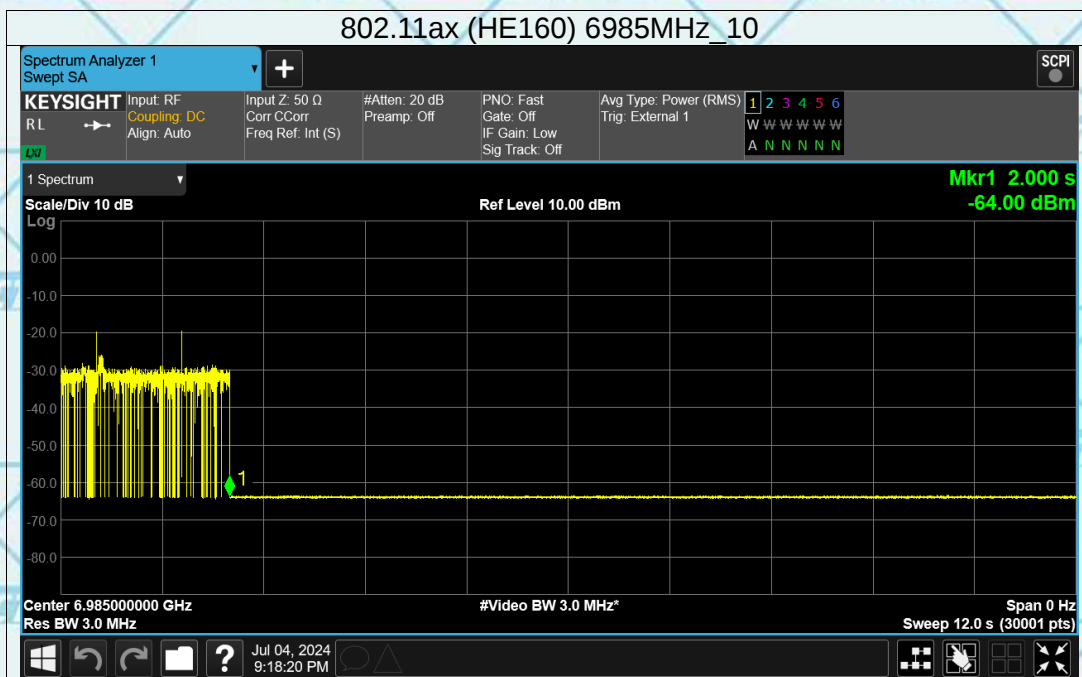
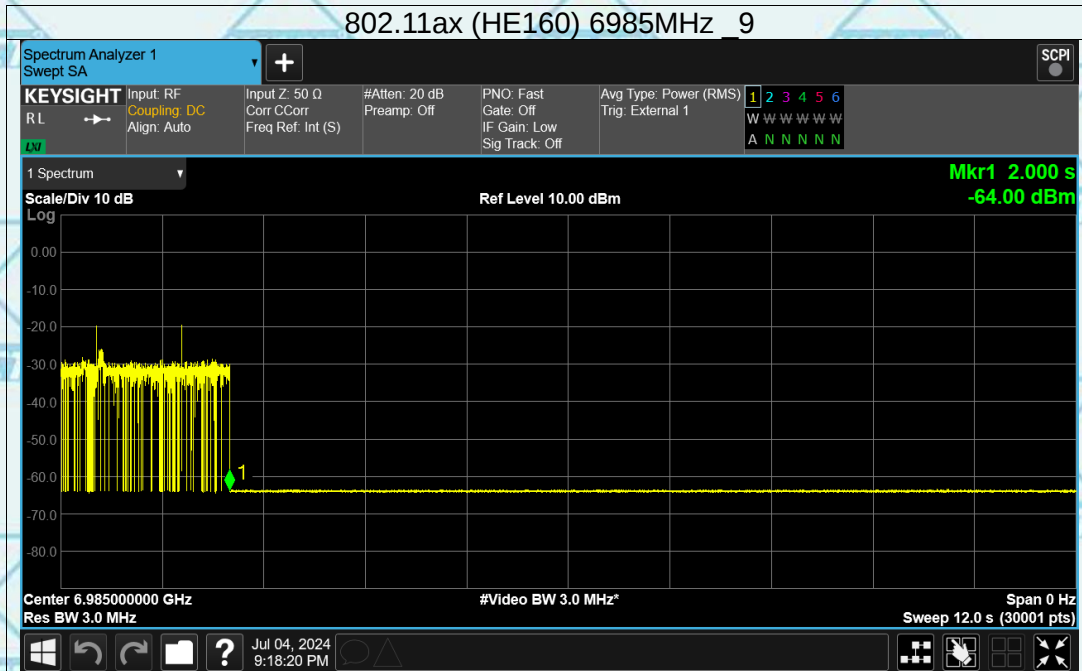




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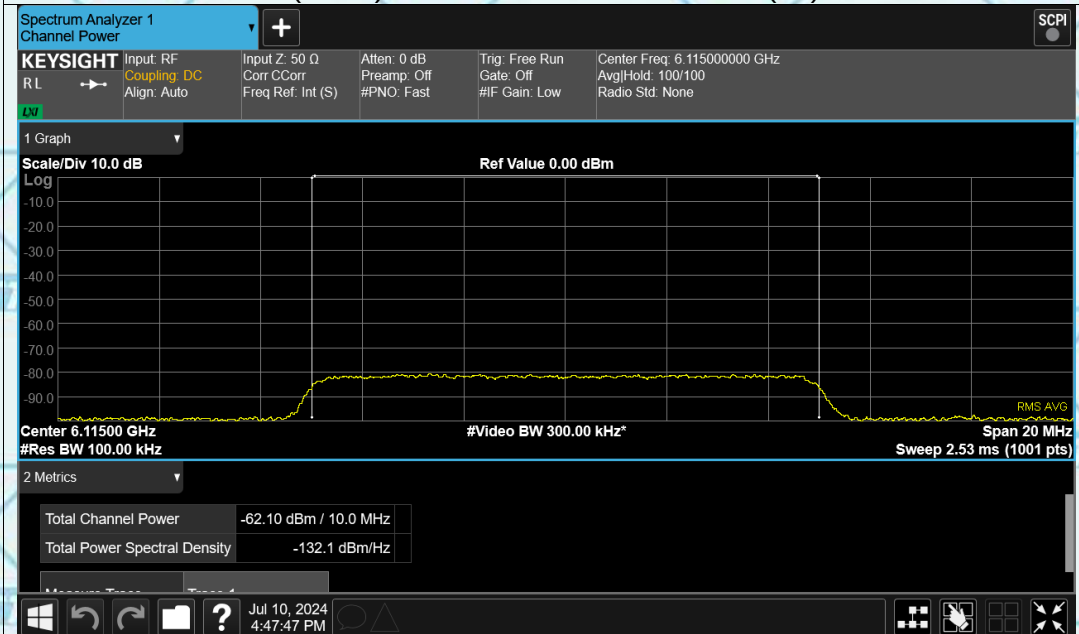
For Question,  
Please Contact with WSCT  
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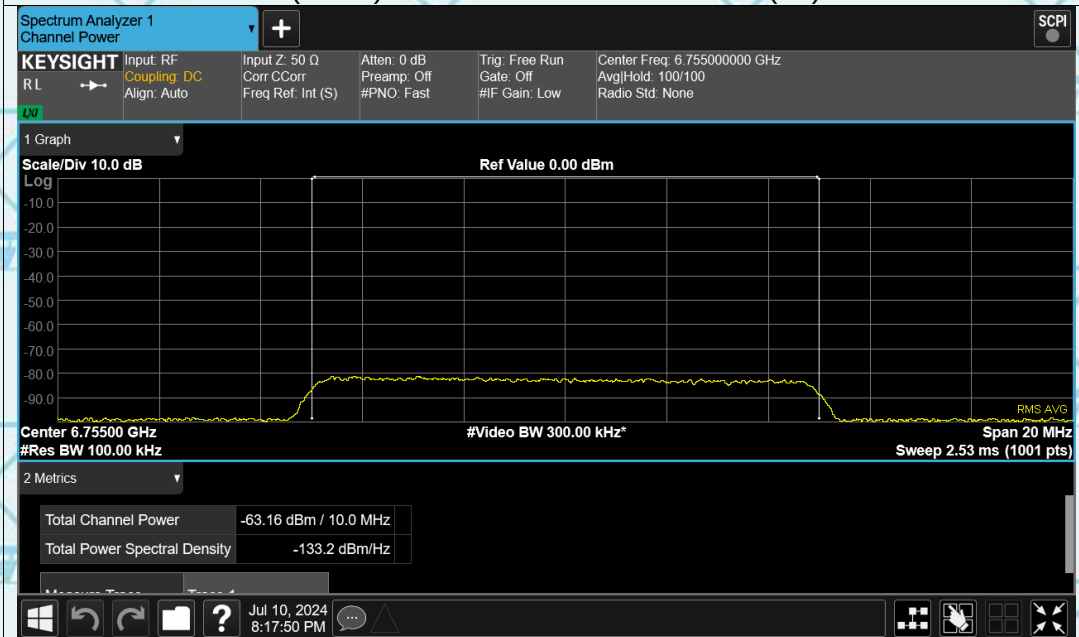


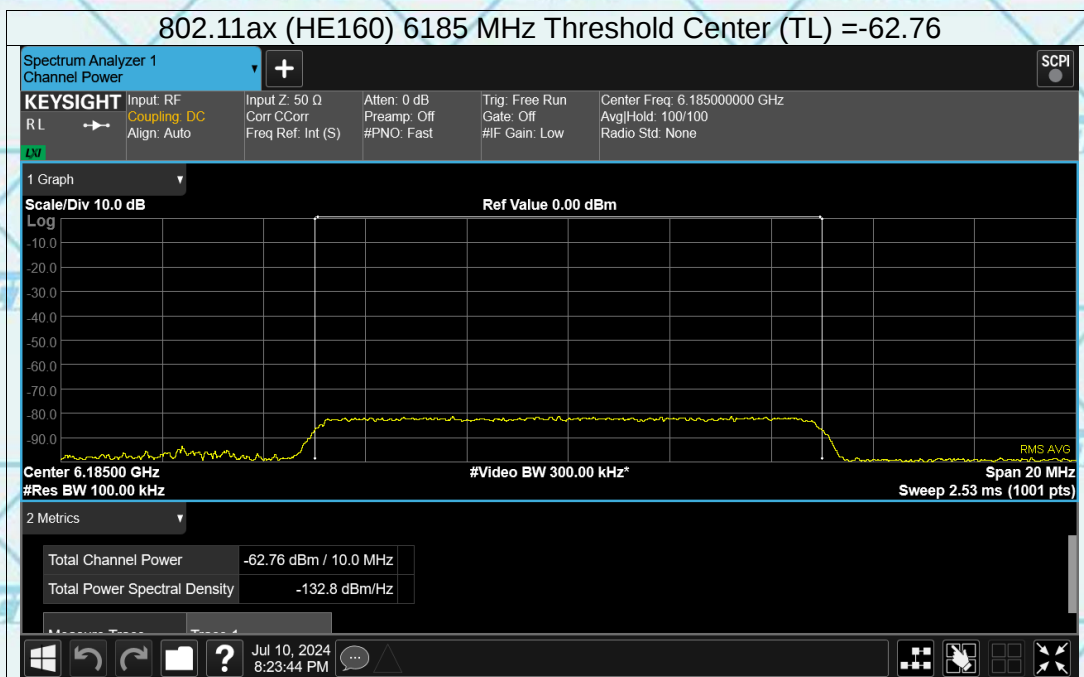
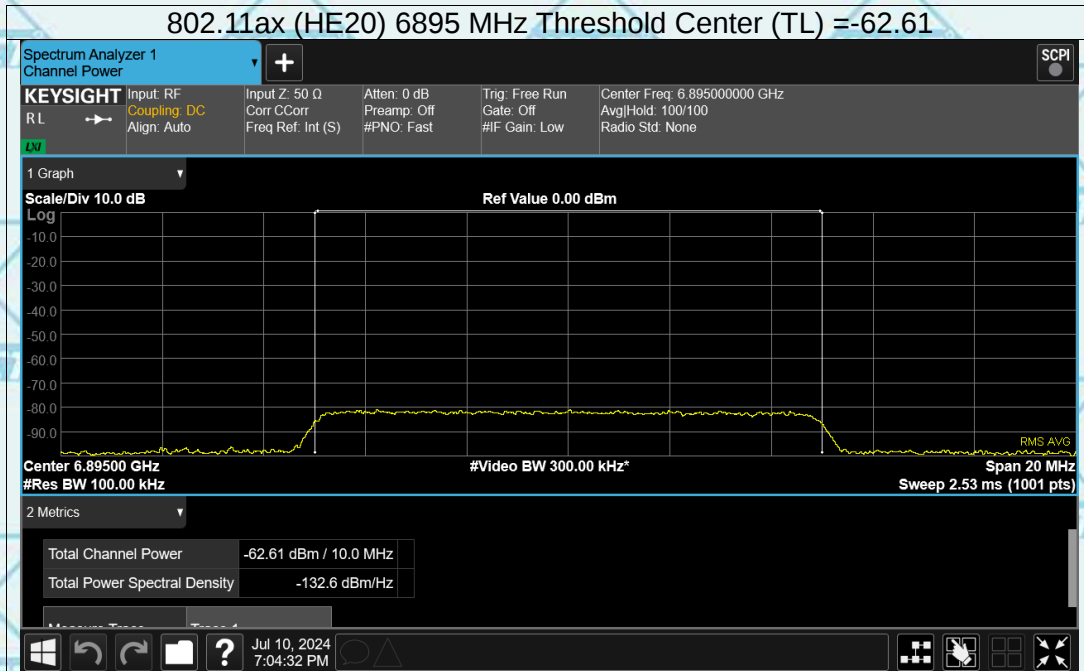
## Test Graphs

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



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





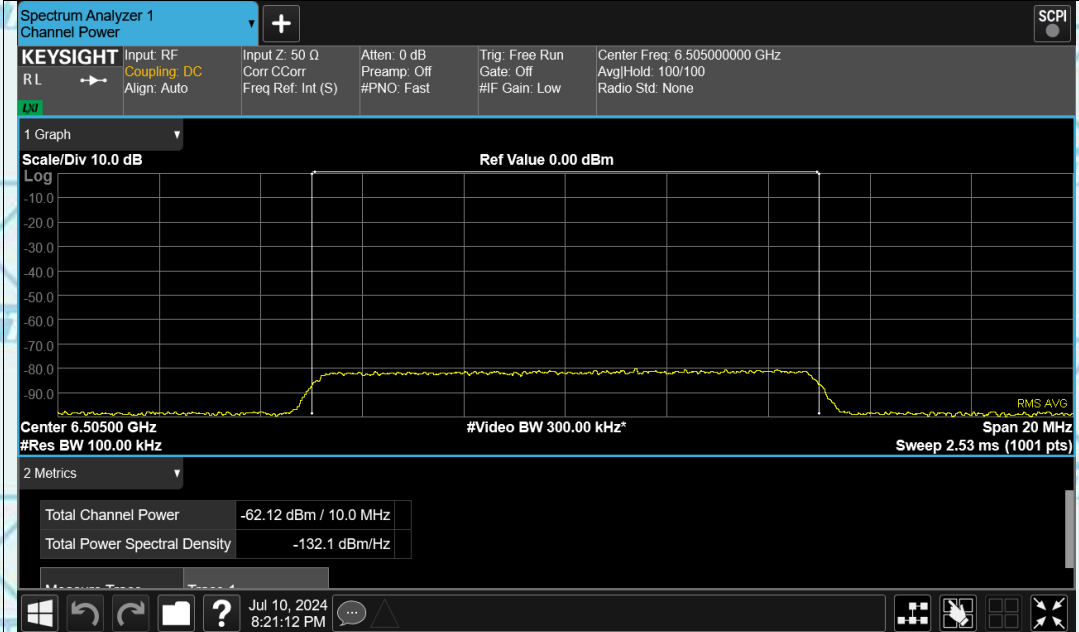


Report No.: WSCT-A2LA-R&E240300009A-Wi-Fi3

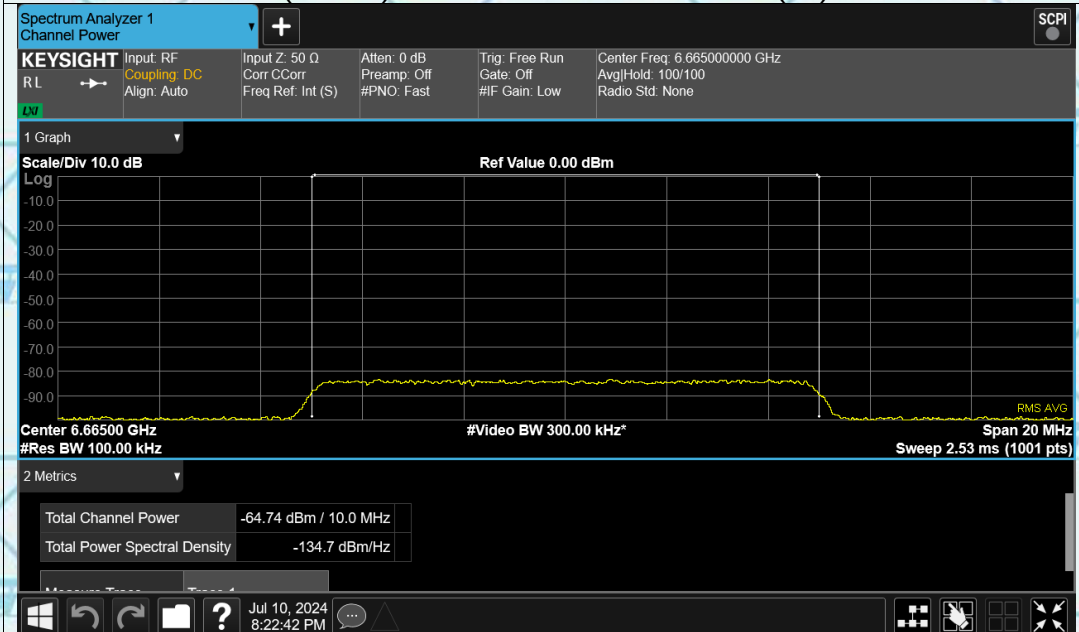
Certificate # 5768.01

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



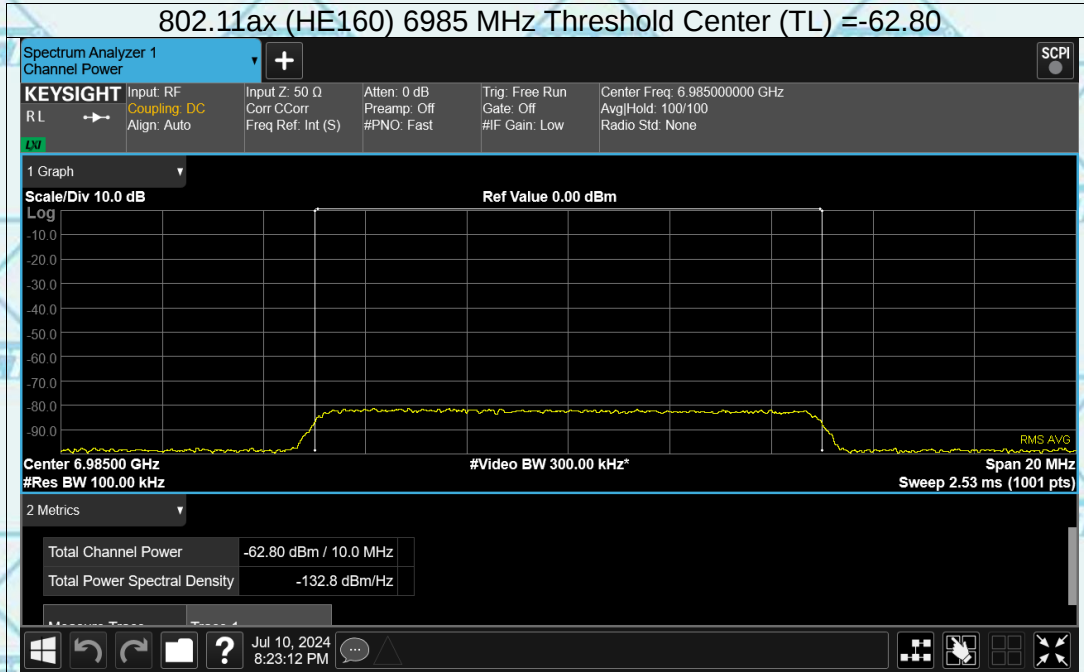
### 802.11ax (HE160) 6665 MHz Threshold Center (TL) = -64.74





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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.

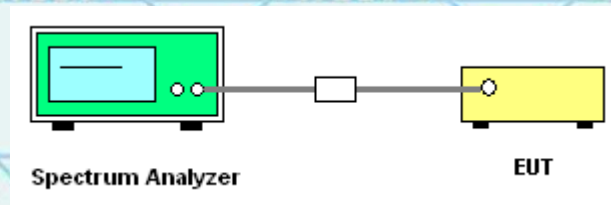


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### 7.11.3 TEST SETUP





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

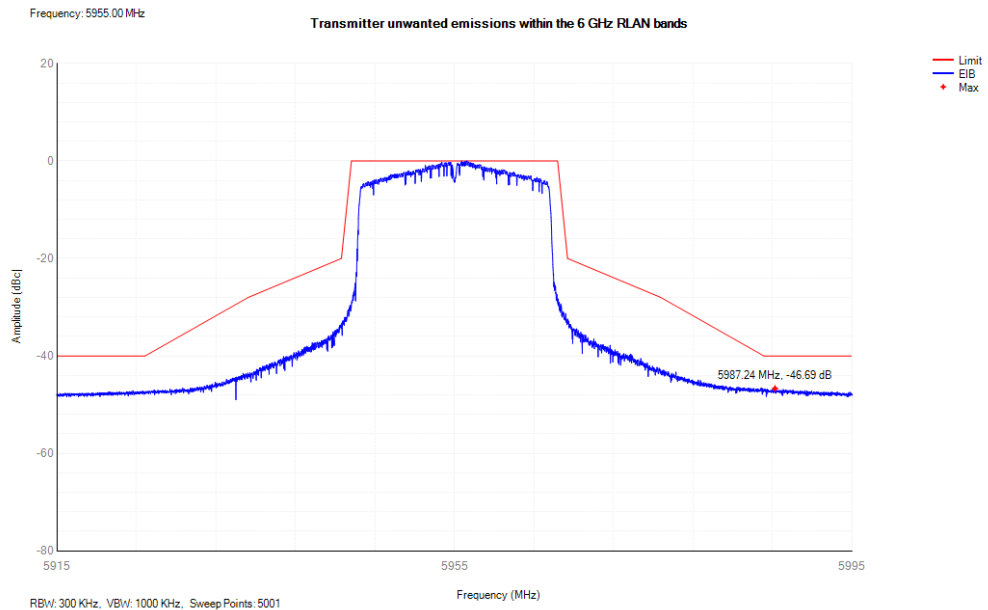
Certificate # 5768.01

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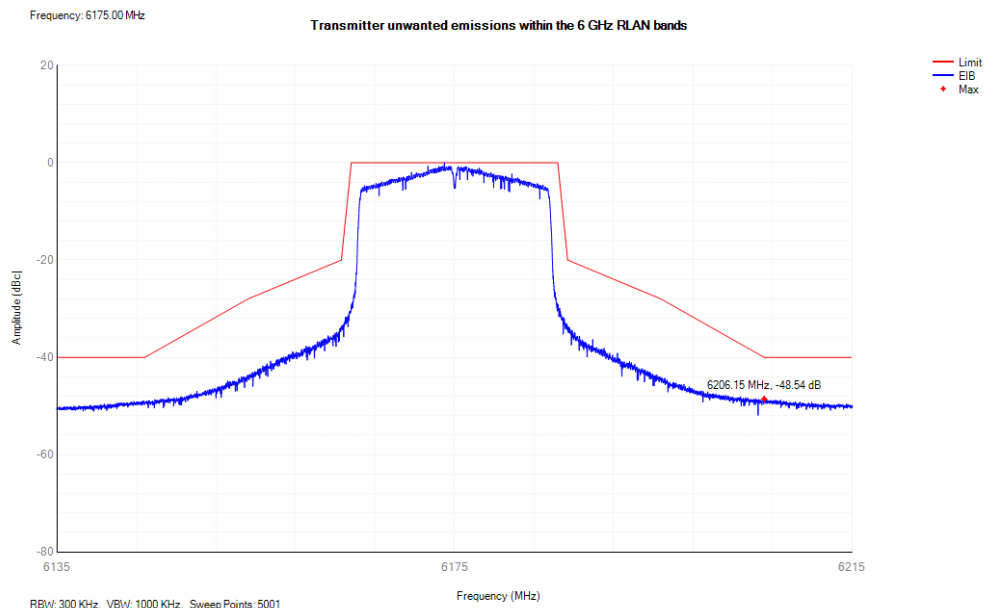
## 7.11.4 TEST RESULT

## Test Graphs

## Power spectral mask NVNT ax20 5955MHz

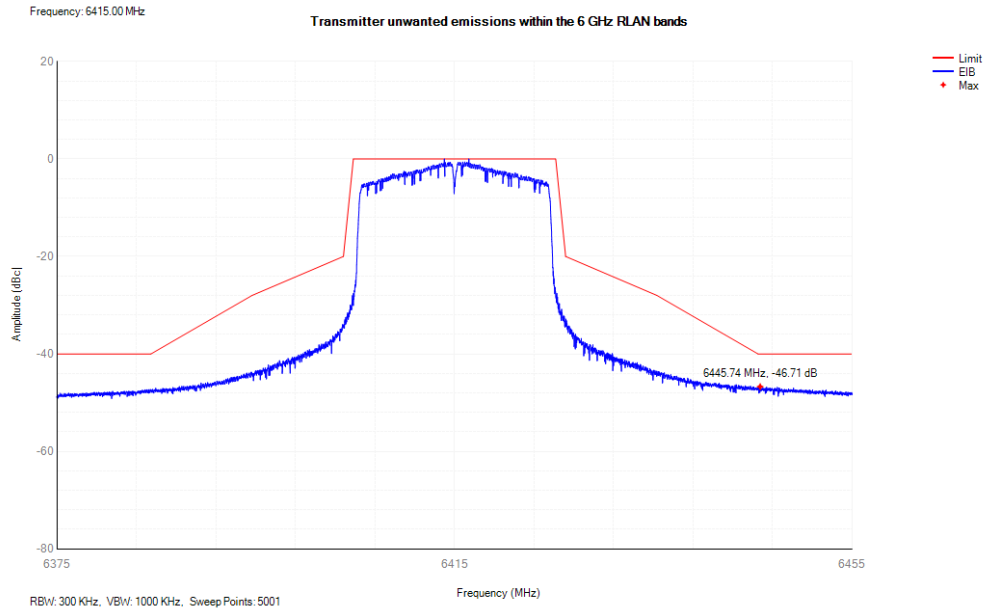


## Power spectral mask NVNT ax20 6175MHz

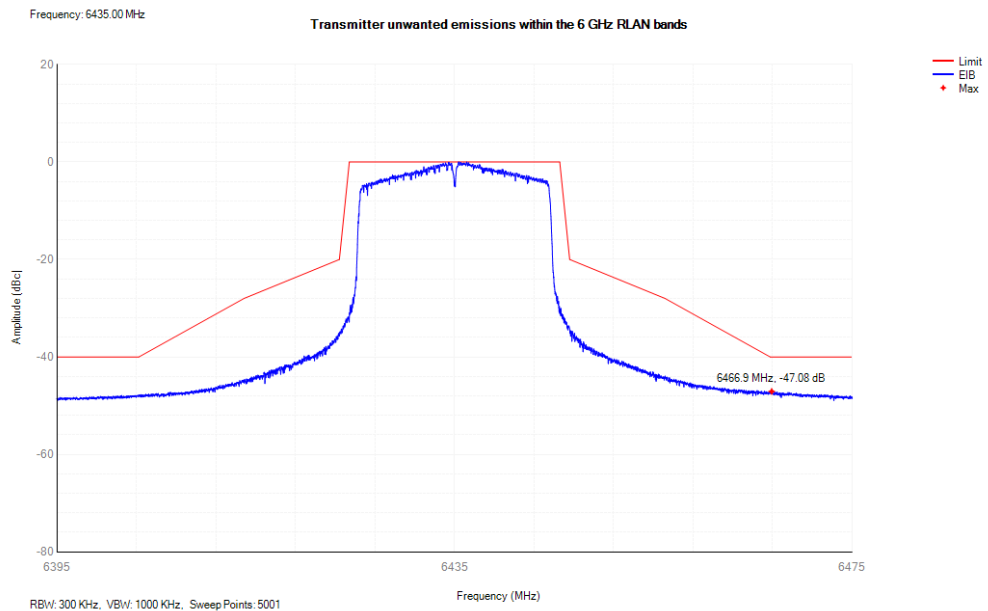




### Power spectral mask NVNT ax20 6415MHz

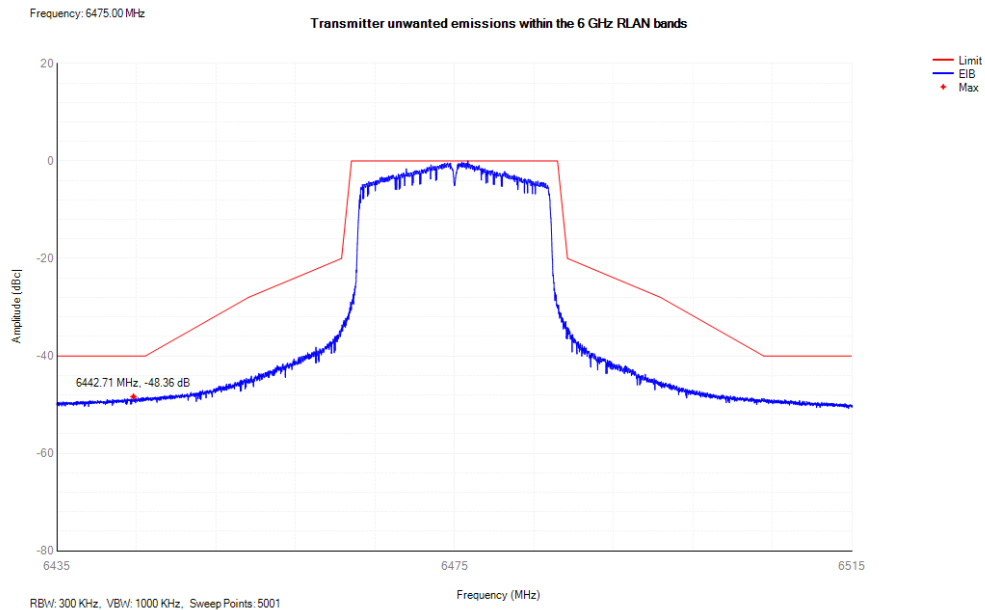


### Power spectral mask NVNT ax20 6435MHz

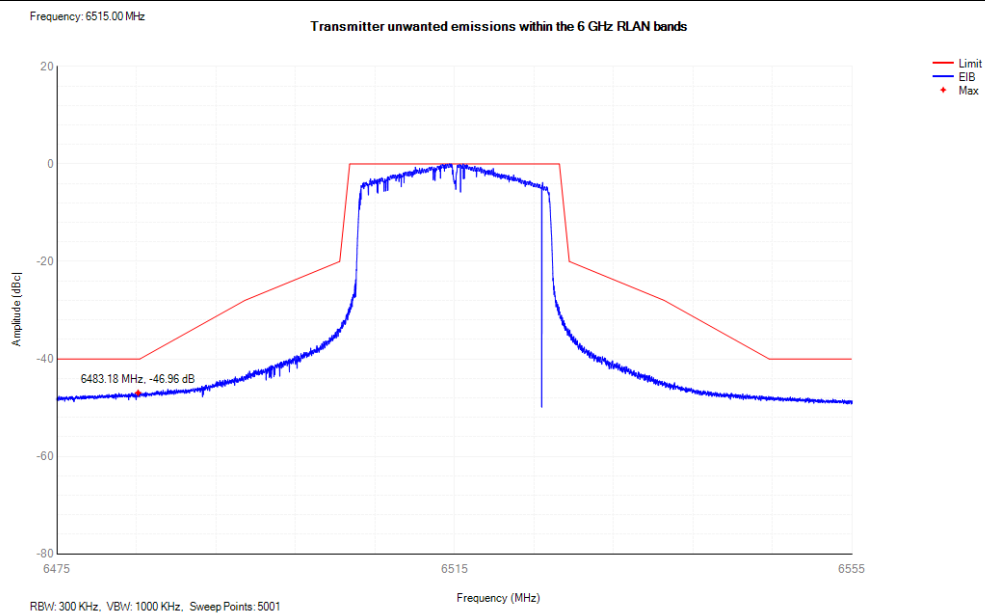




### Power spectral mask NVNT ax20 6475MHz

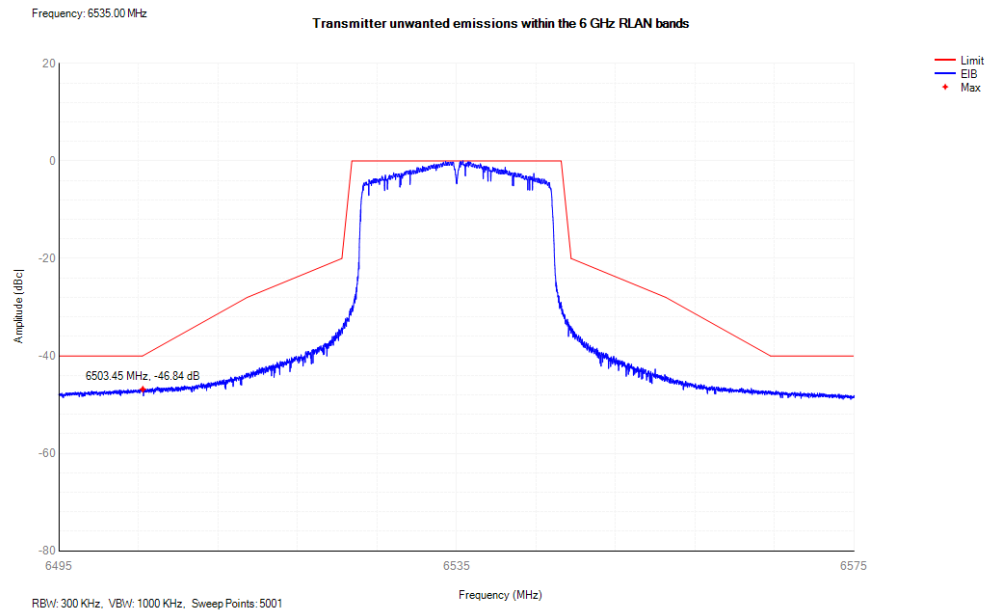


### Power spectral mask NVNT ax20 6515MHz

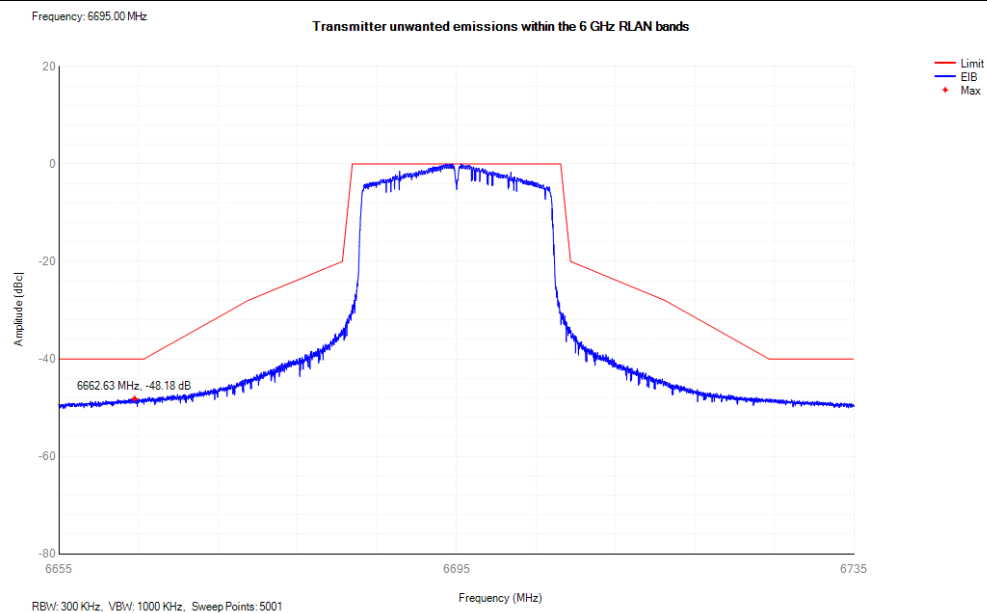




### Power spectral mask NVNT ax20 6535MHz

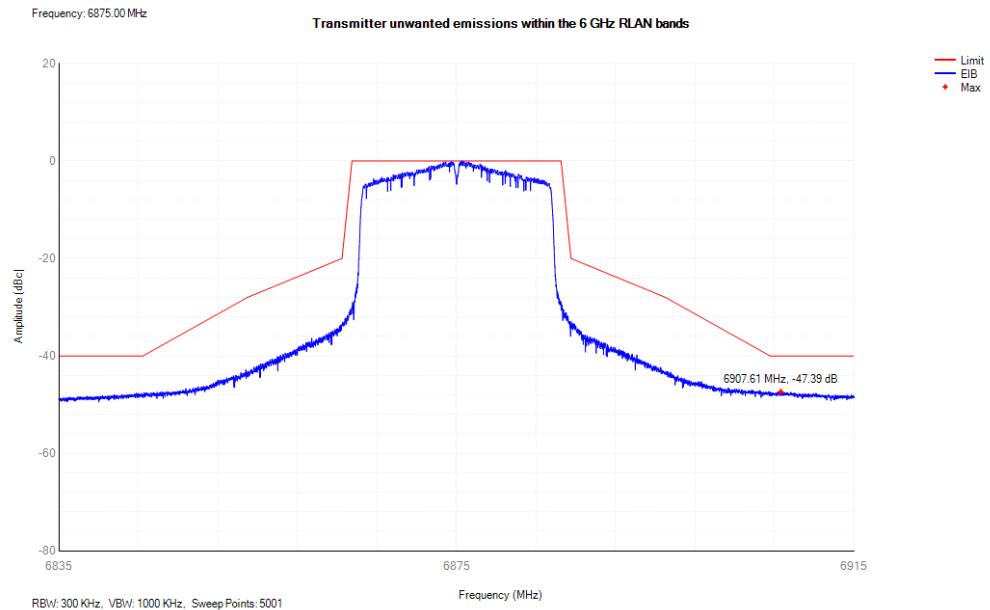


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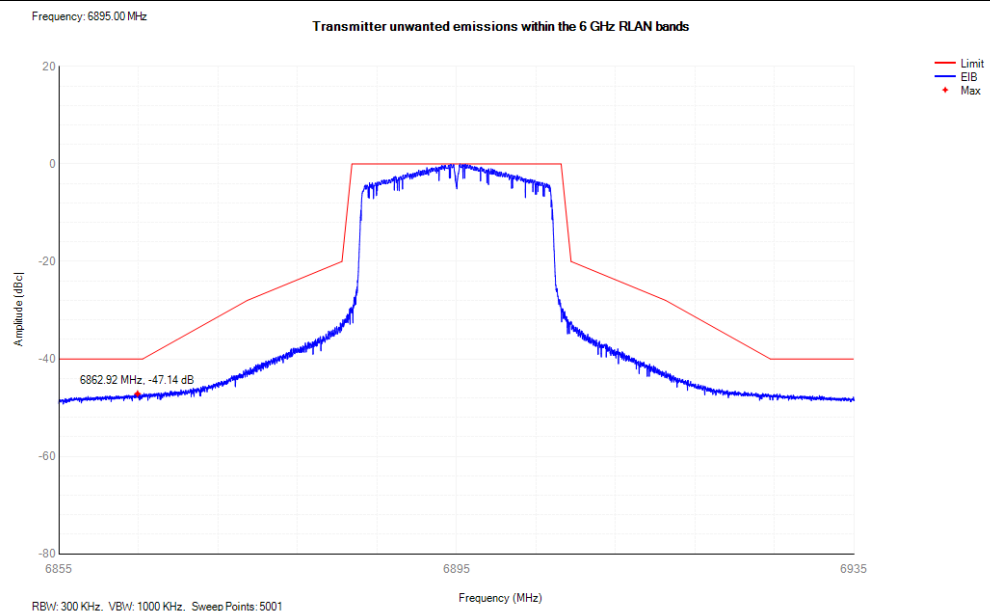




### Power spectral mask NVNT ax20 6875MHz

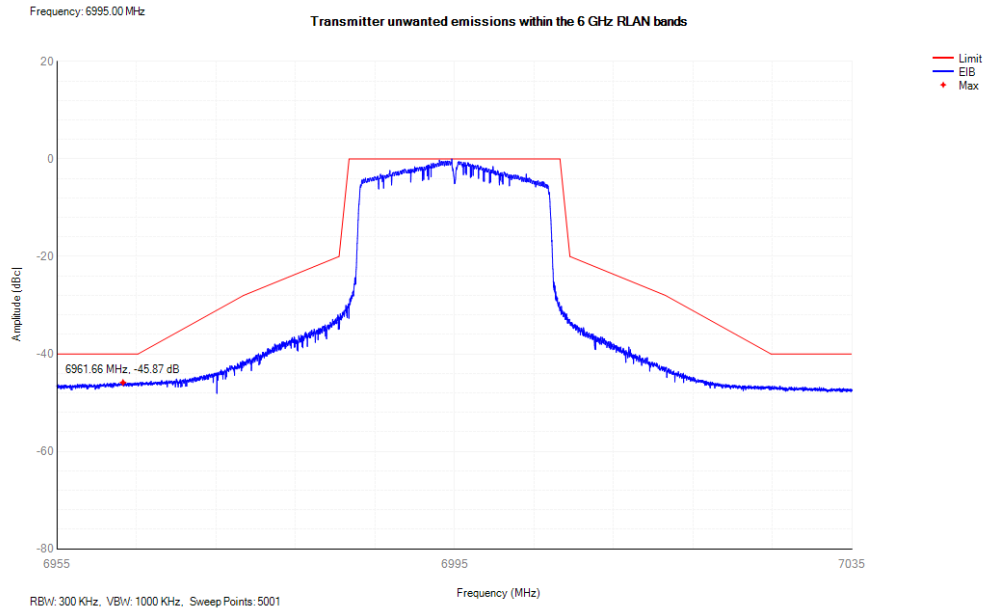


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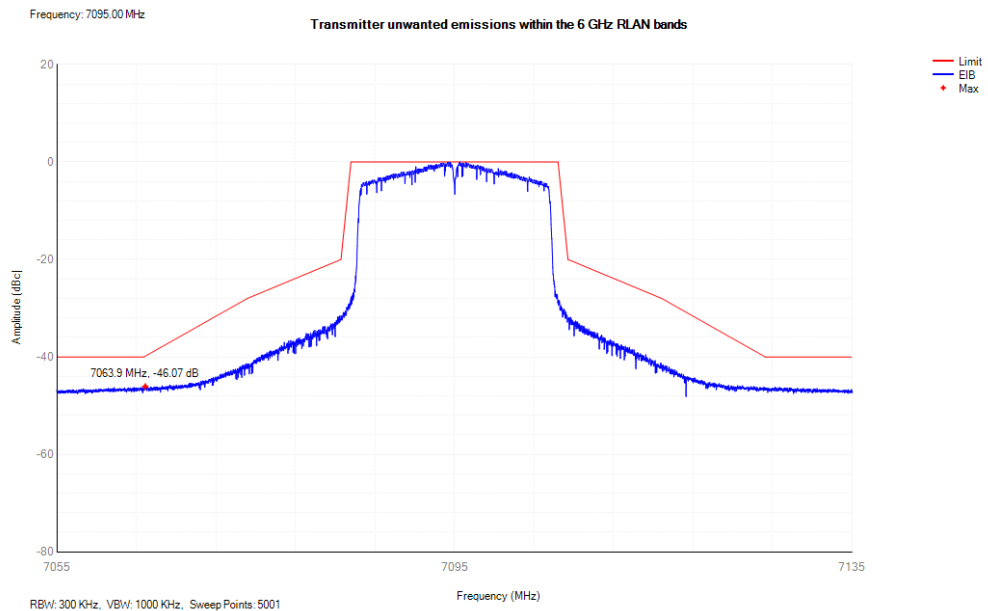




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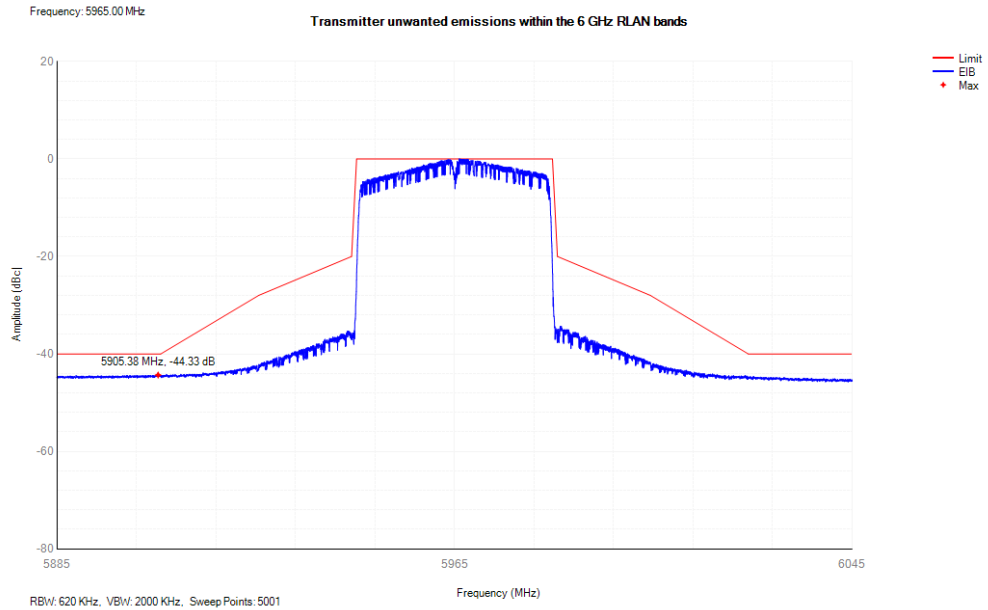


### Power spectral mask NVNT ax20 7095MHz

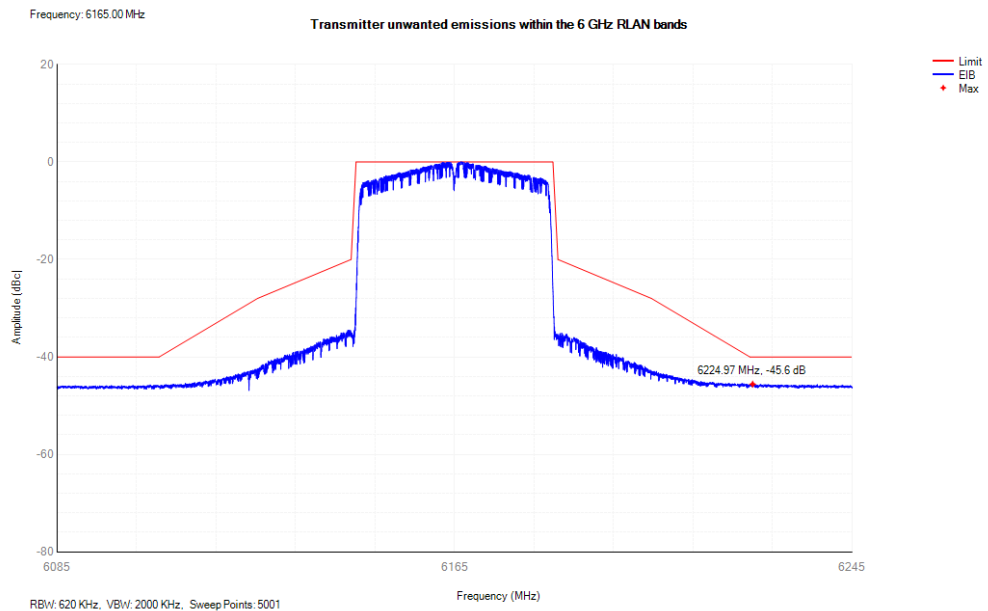




### Power spectral mask NVNT ax40 5965MHz

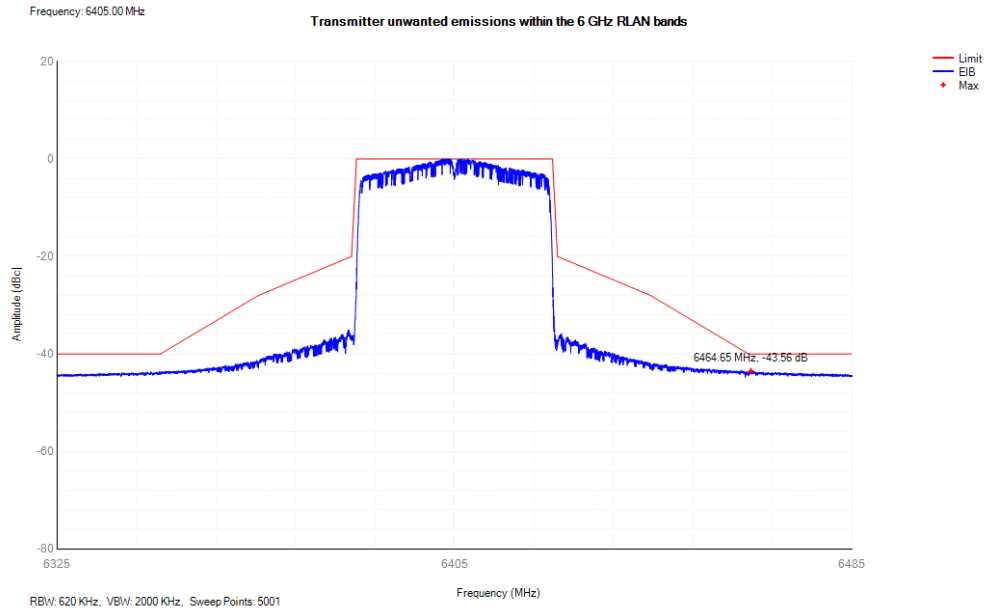


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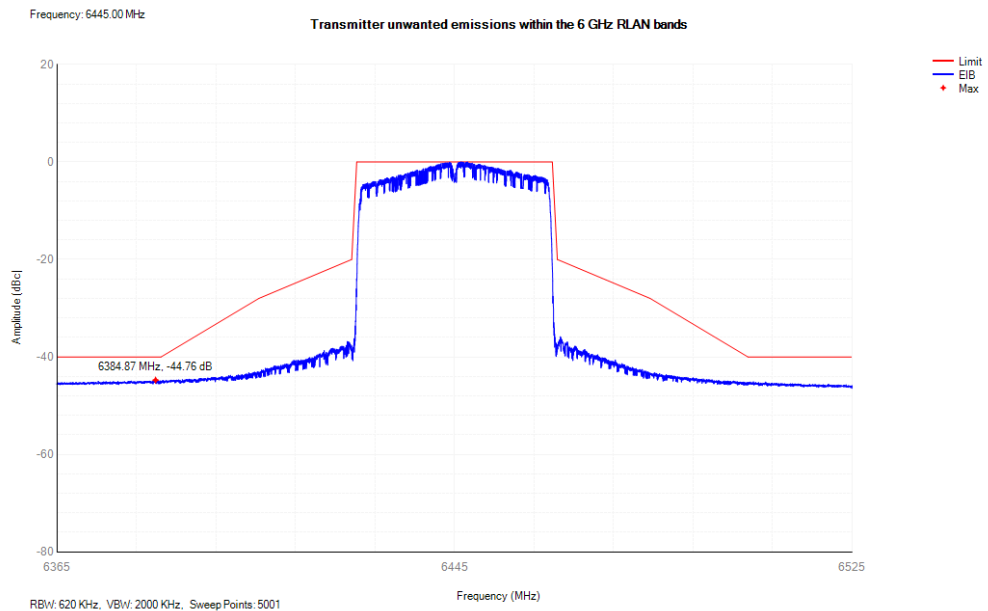




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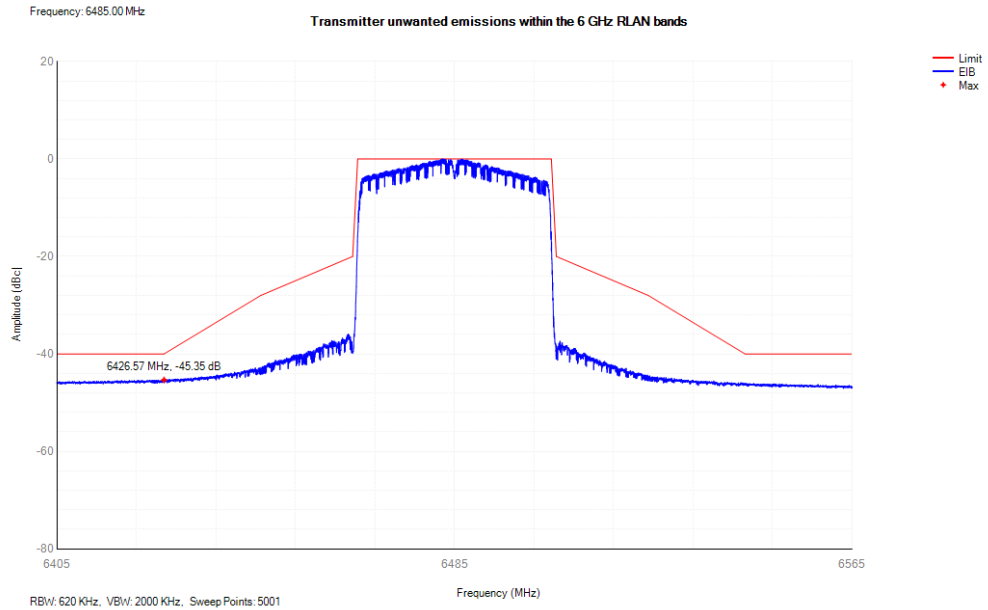


### Power spectral mask NVNT ax40 6445MHz

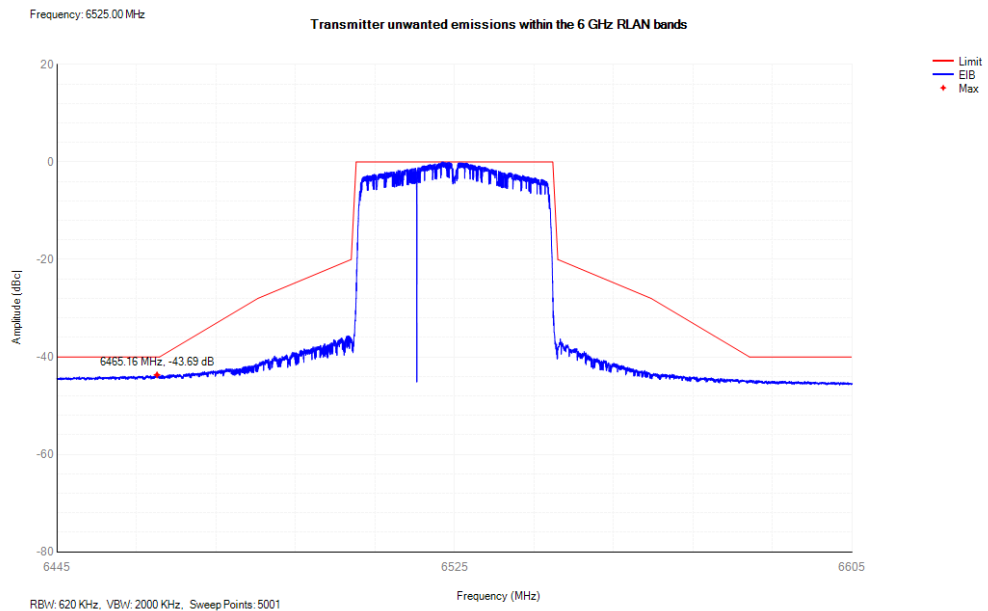




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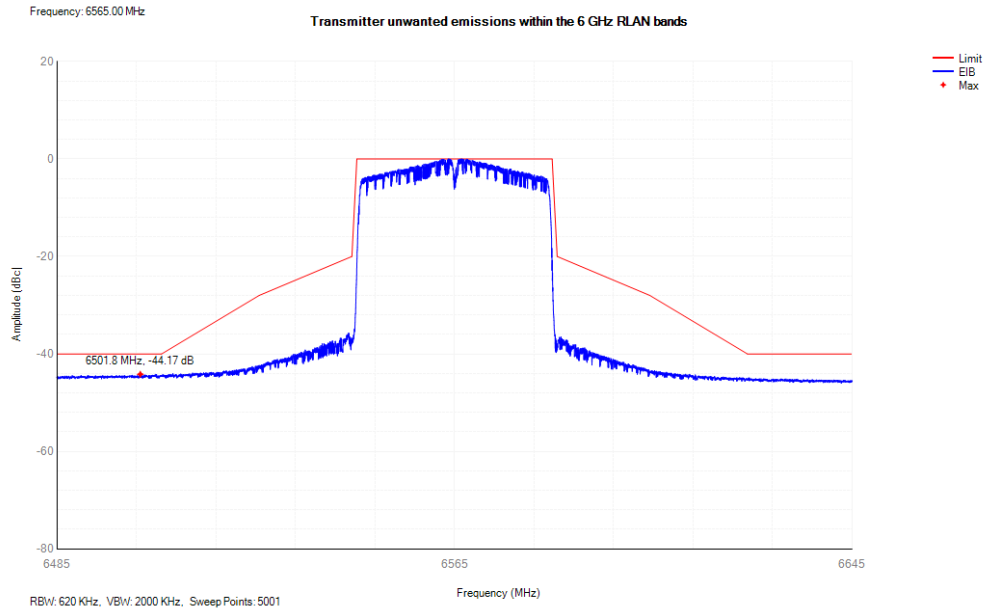


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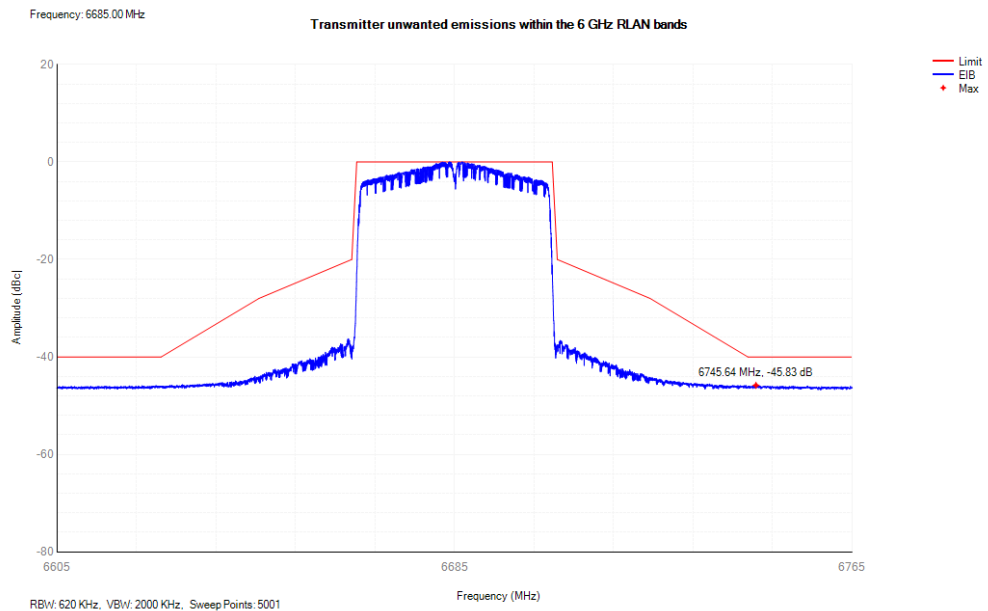




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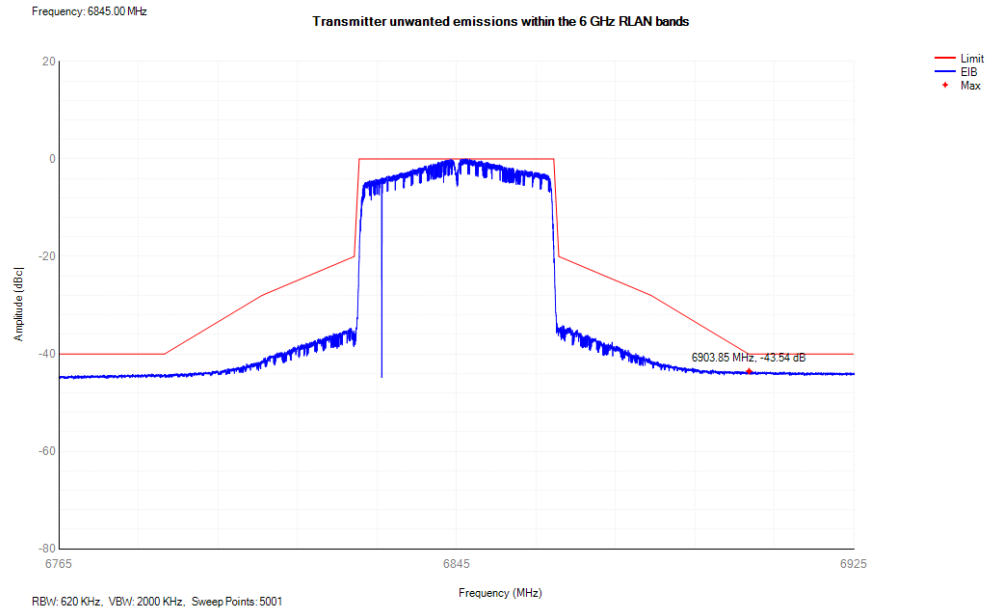


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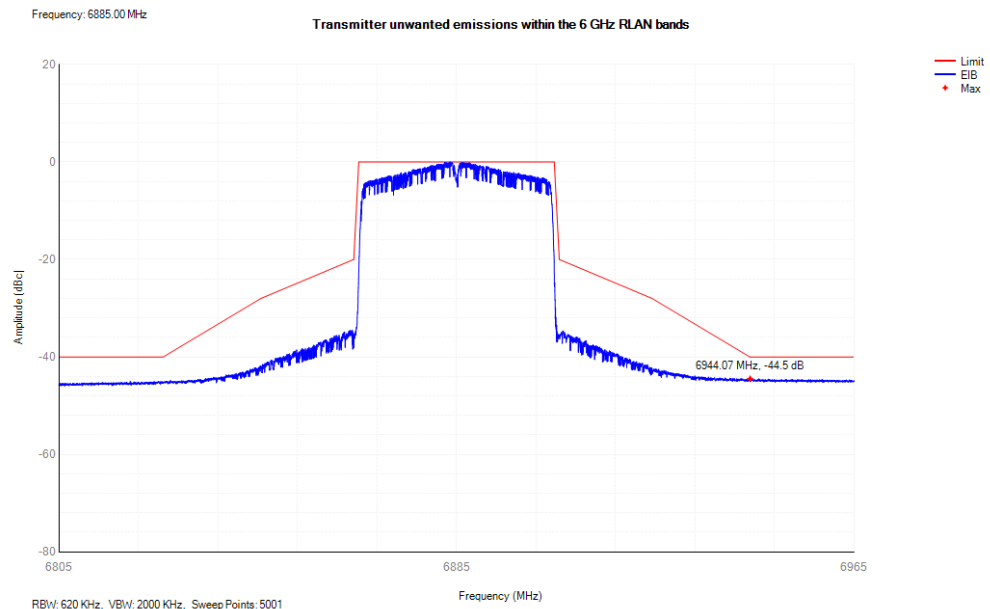




### Power spectral mask NVNT ax40 6845MHz

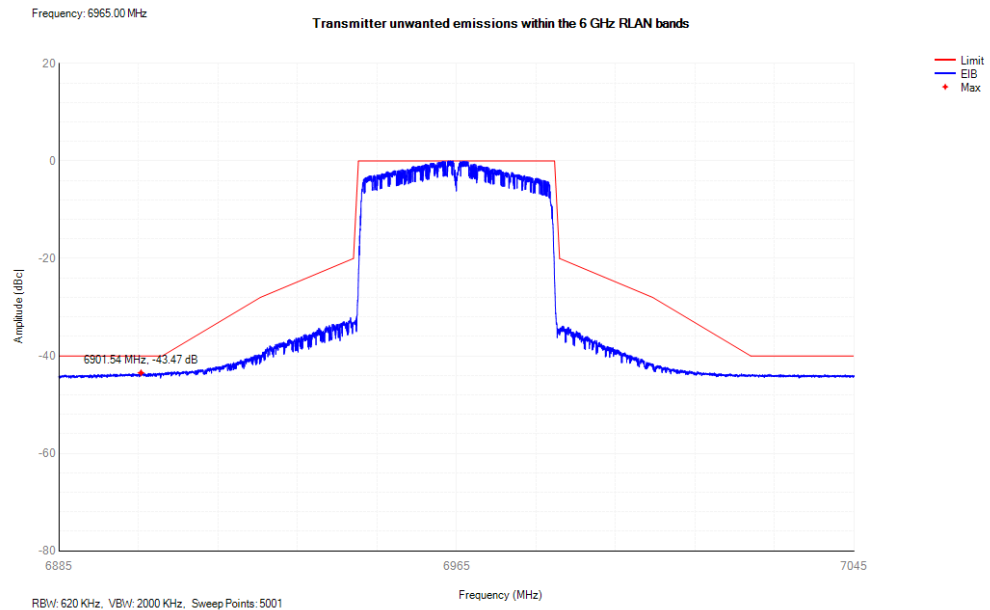


### Power spectral mask NVNT ax40 6885MHz

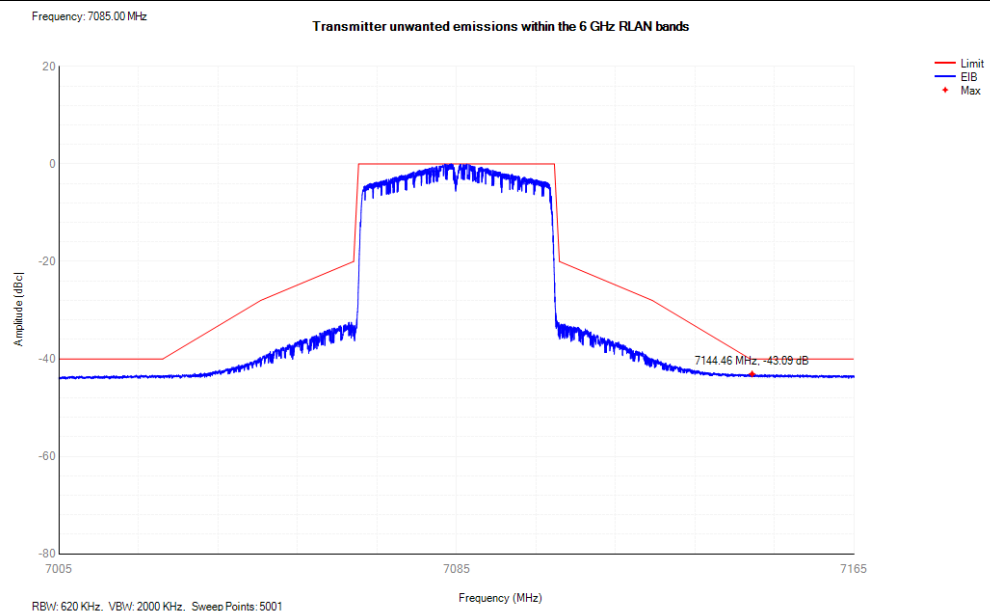




### Power spectral mask NVNT ax40 6965MHz

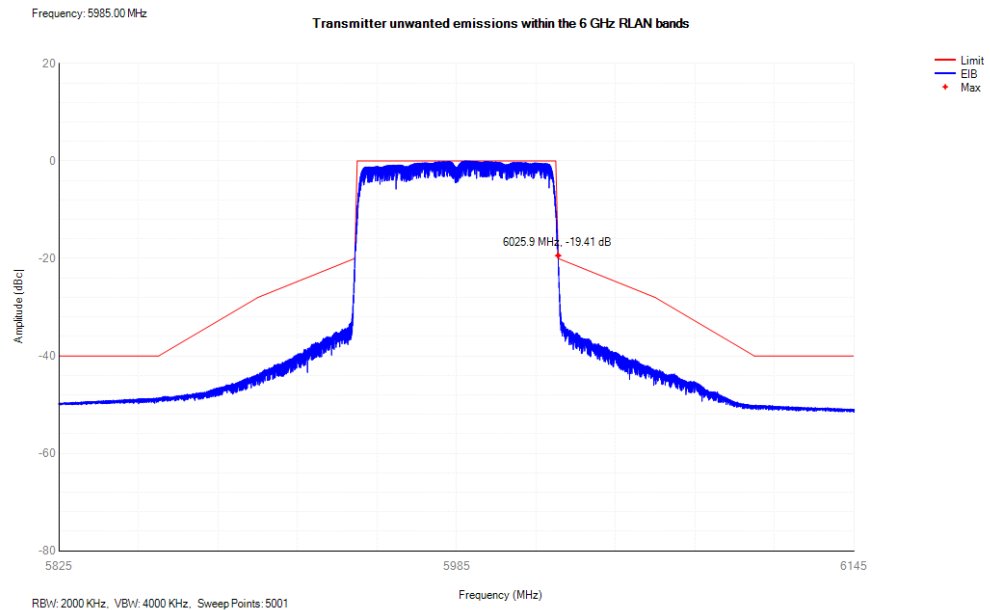


### Power spectral mask NVNT ax40 7085MHz

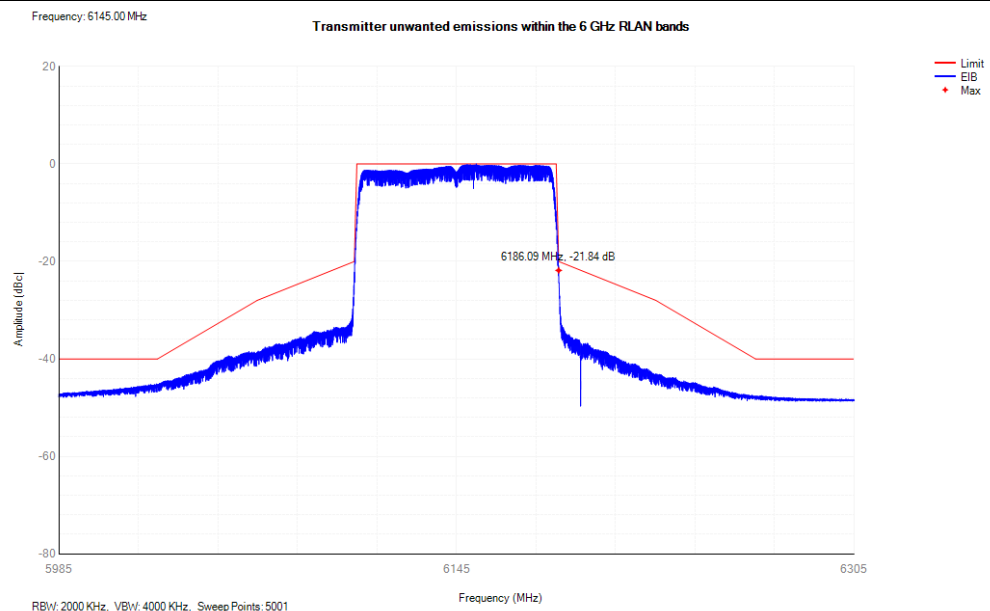




### Power spectral mask NVNT ax80 5985MHz

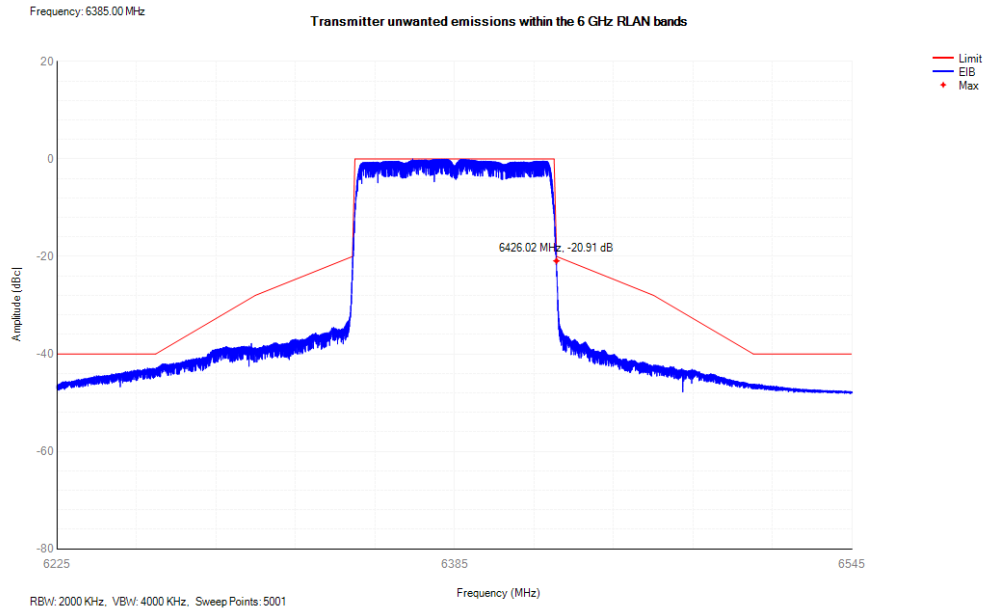


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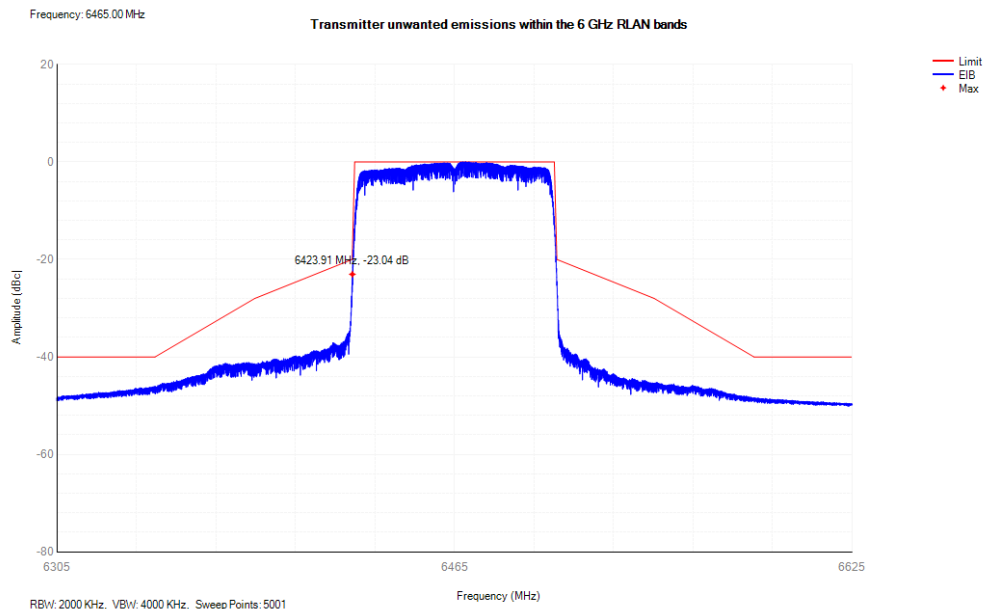




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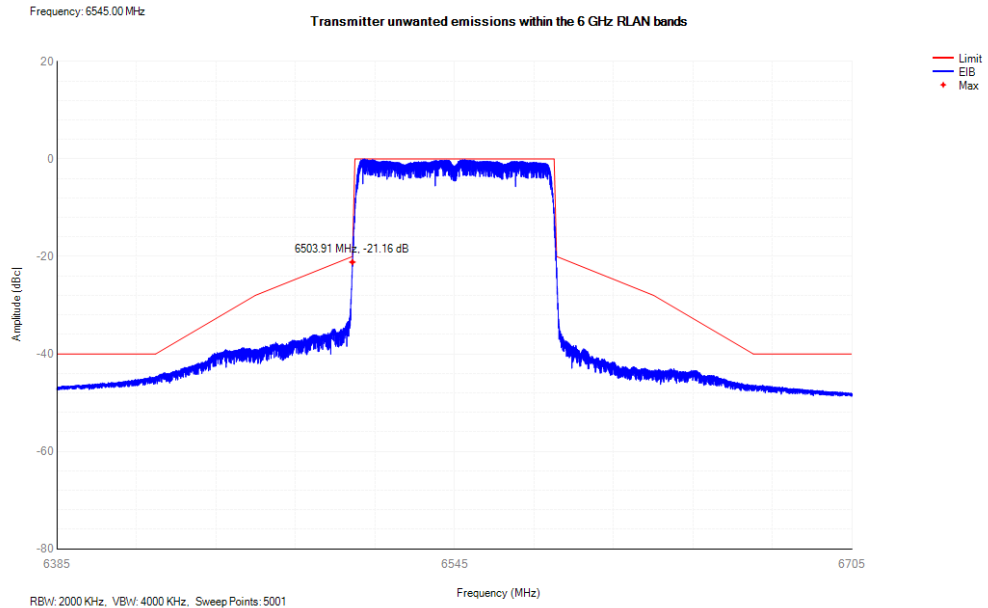


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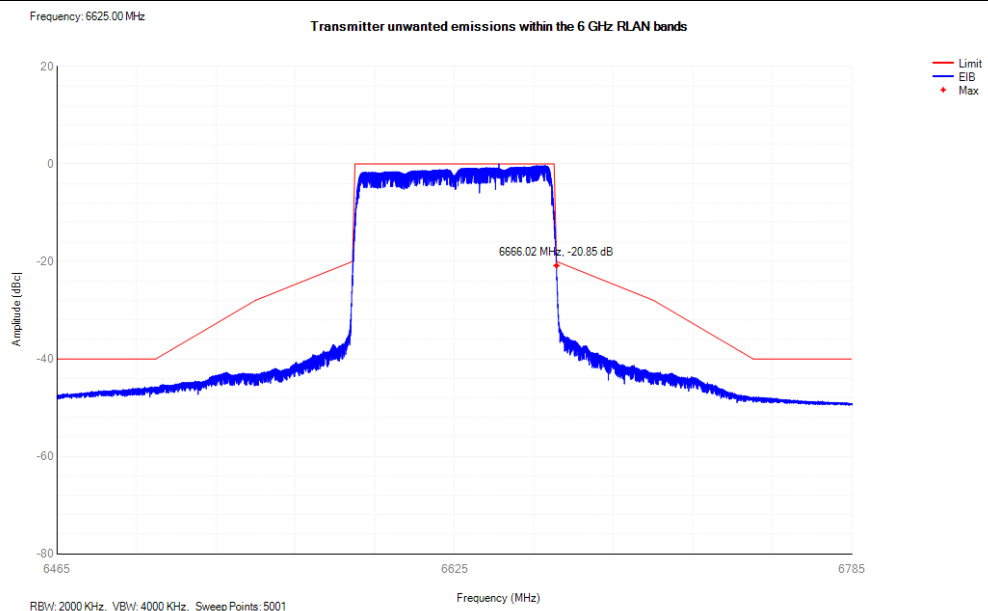




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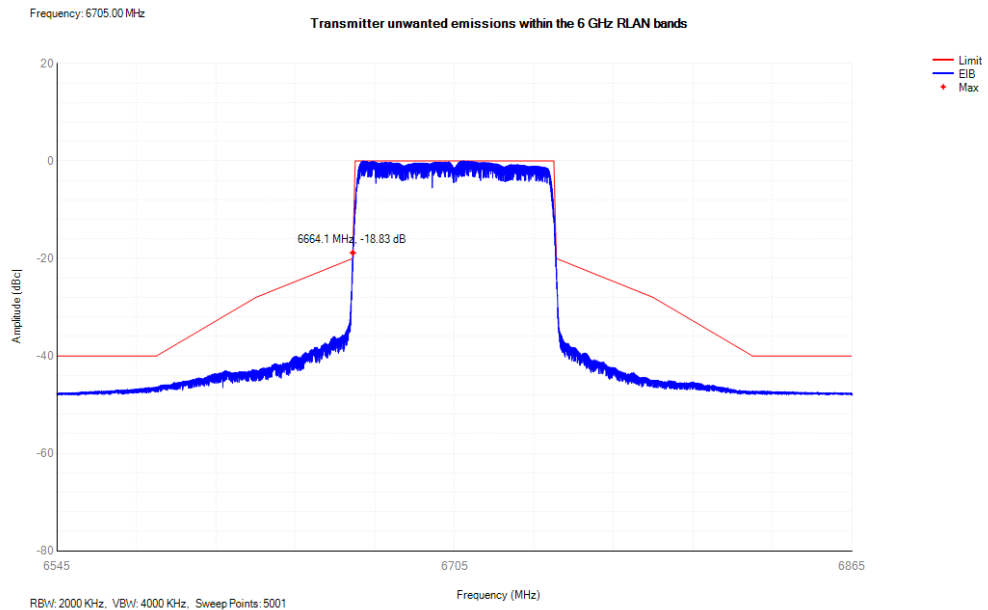


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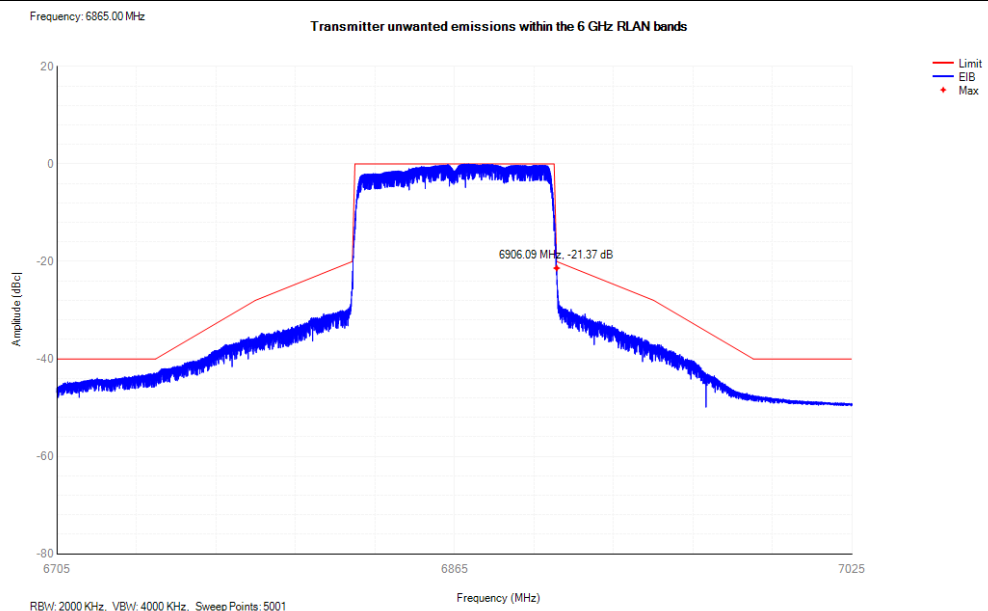




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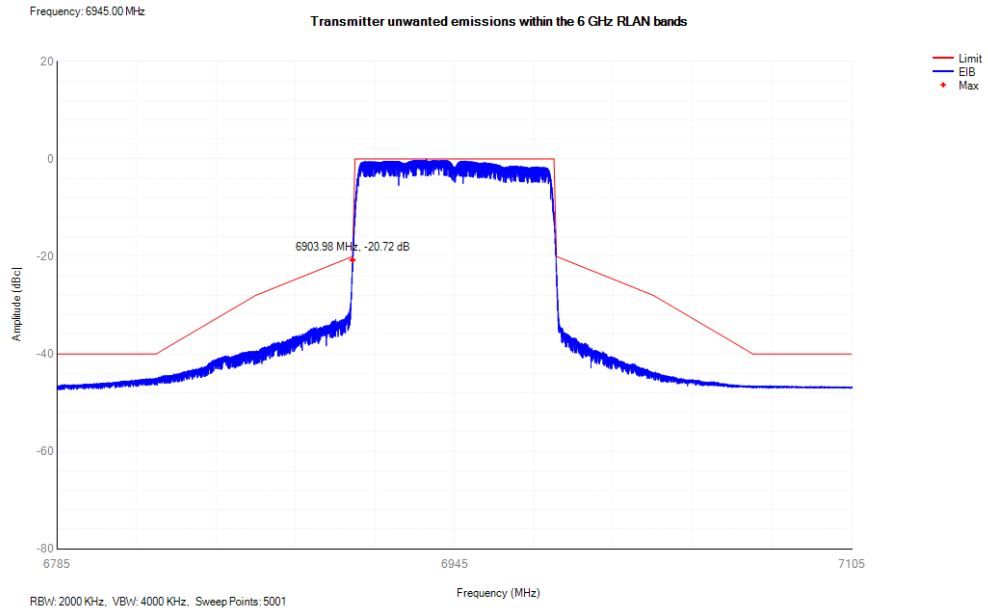


### Power spectral mask NVNT ax80 6865MHz

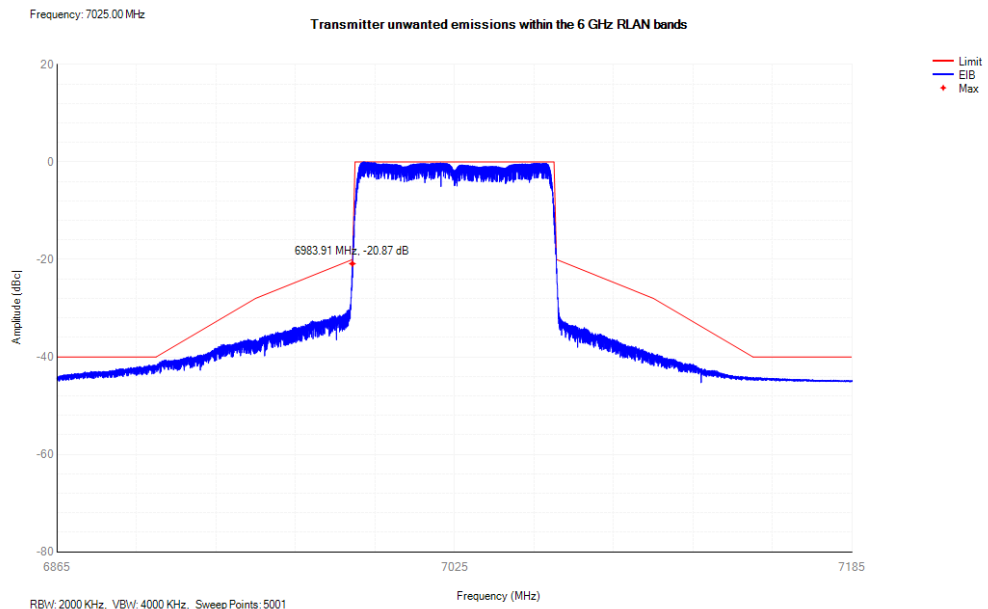




### Power spectral mask NVNT ax80 6945MHz

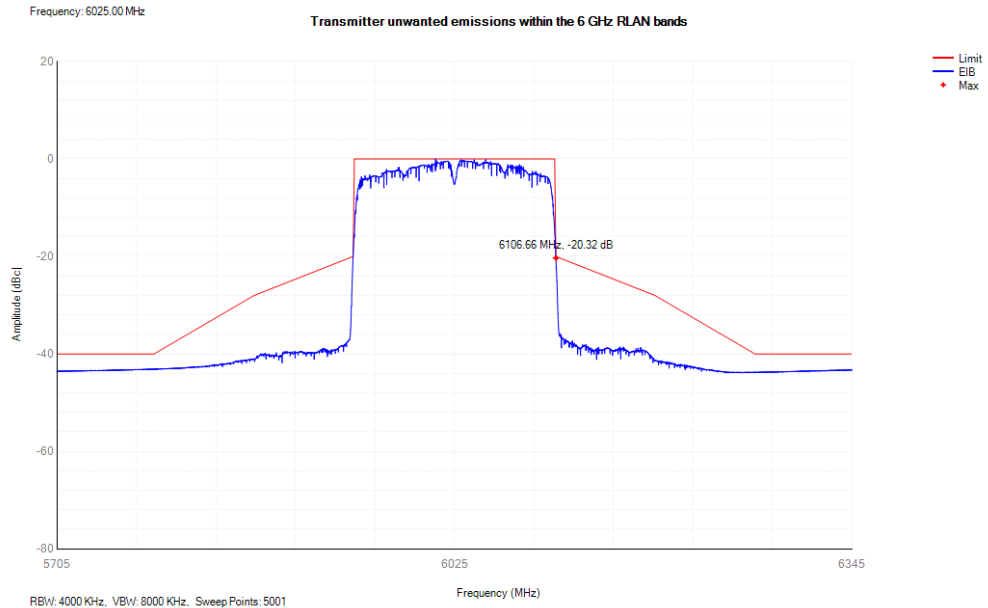


### Power spectral mask NVNT ax80 7025MHz

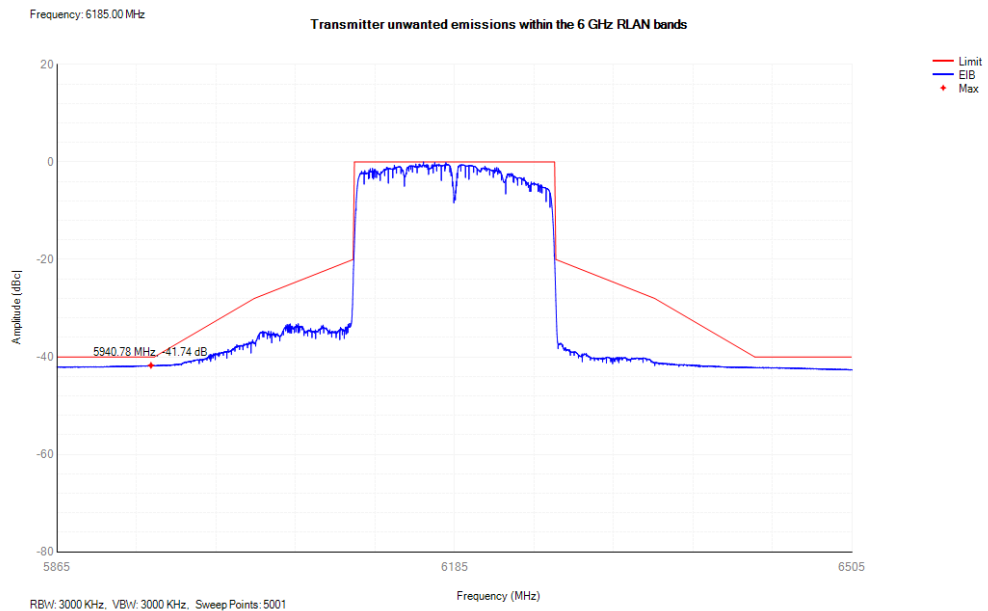




### Power spectral mask NVNT ax160 6025MHz

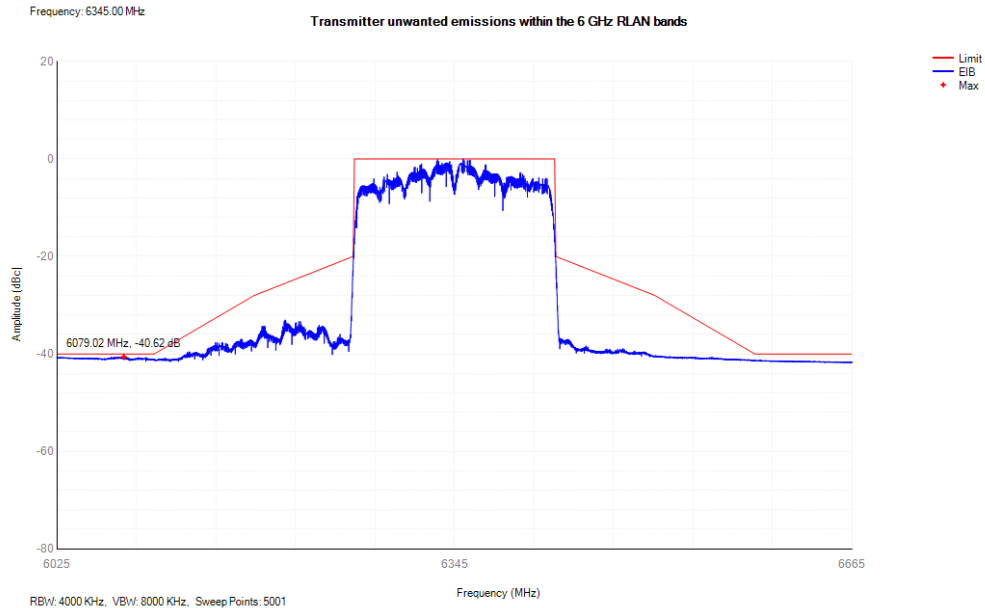


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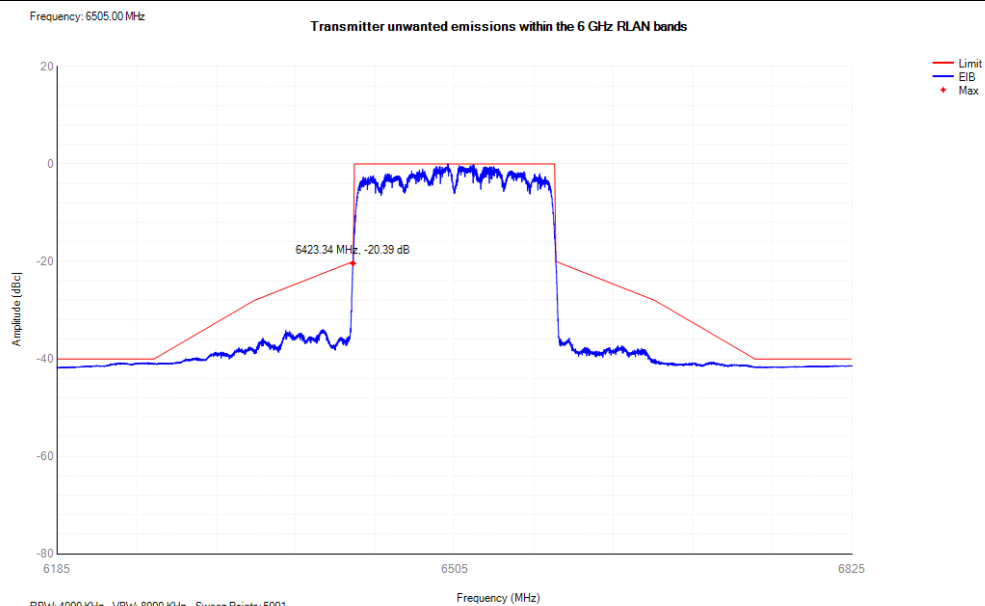




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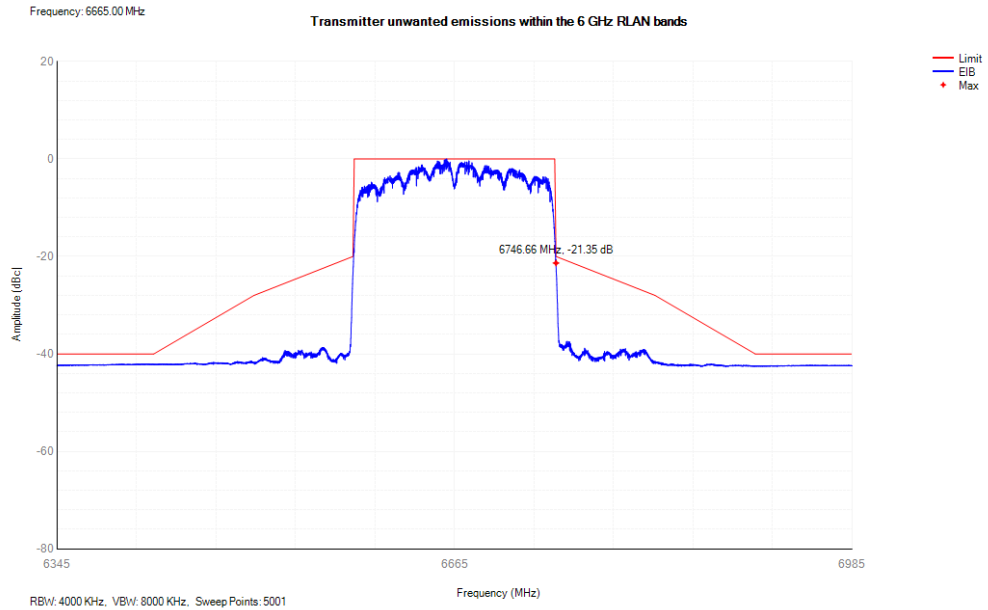


### Power spectral mask NVNT ax160 6505MHz

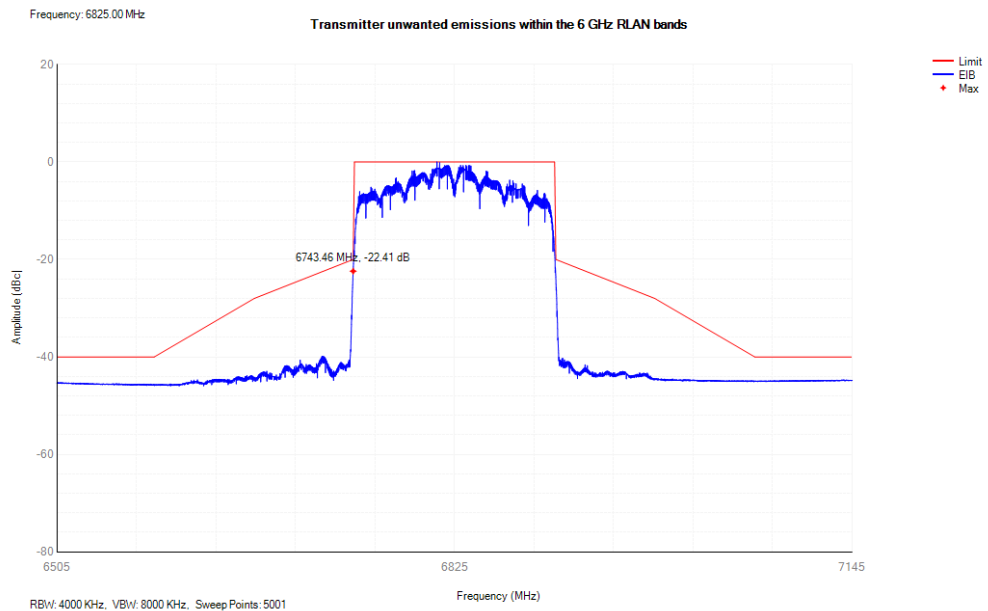




### Power spectral mask NVNT ax160 6665MHz



### Power spectral mask NVNT ax160 6825MHz



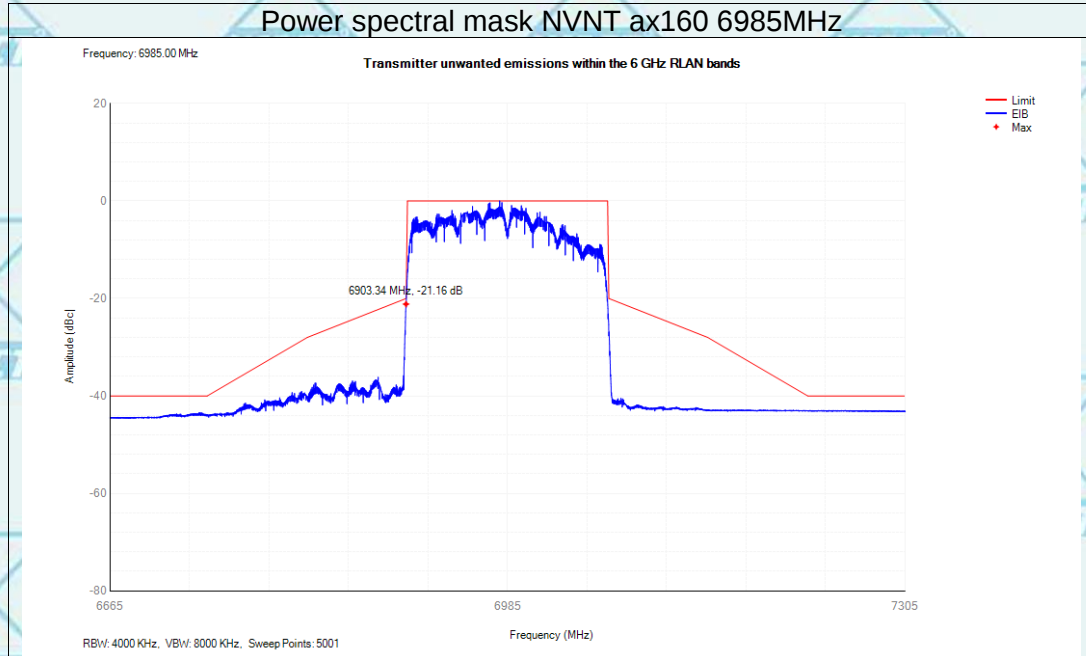


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### Power spectral mask NVNT ax160 6985MHz





## 8 Test Setup Photographs

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

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