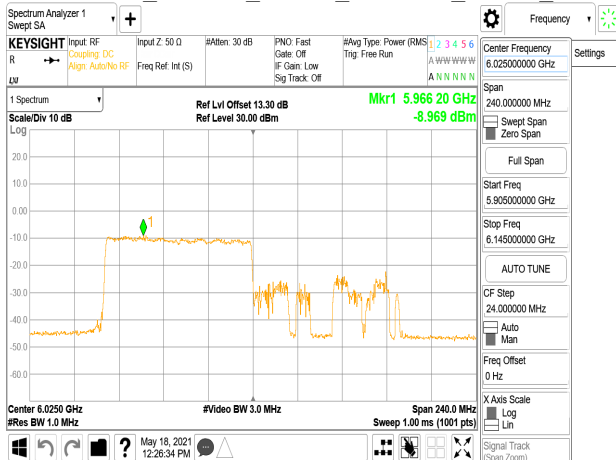
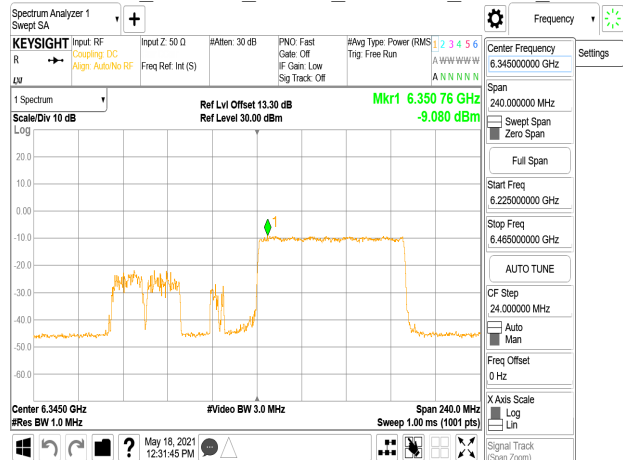


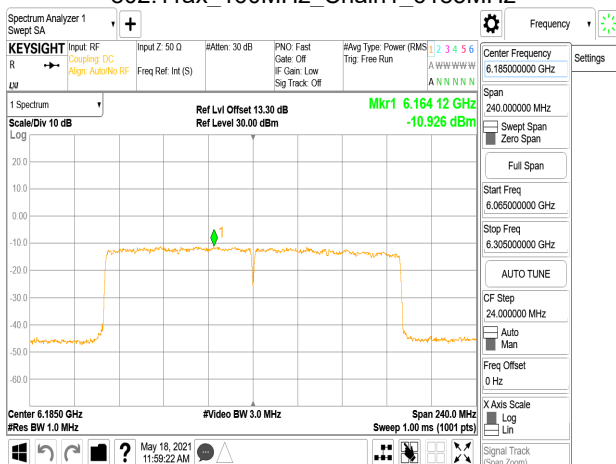
802.11ax\_160MHz\_Chain1\_6025MHz\_RU996\_67



802.11ax\_160MHz\_Chain1\_6345MHz\_RU996\_S67



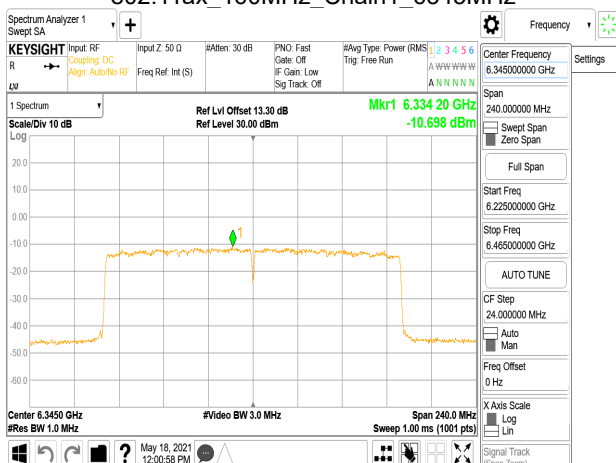
802.11ax\_160MHz\_Chain1\_6185MHz



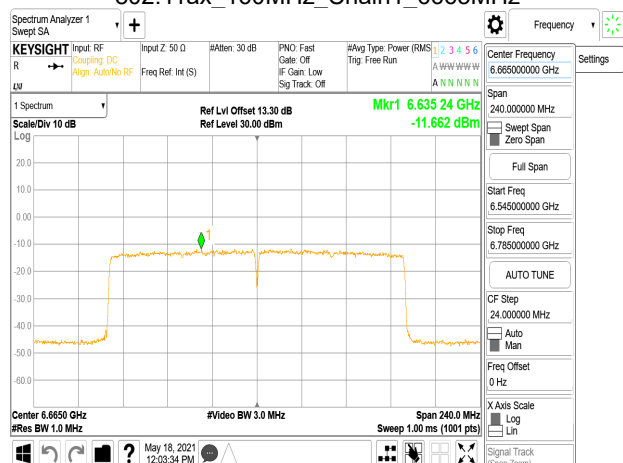
802.11ax\_160MHz\_Chain1\_6505MHz



802.11ax\_160MHz\_Chain1\_6345MHz



802.11ax\_160MHz\_Chain1\_6665MHz

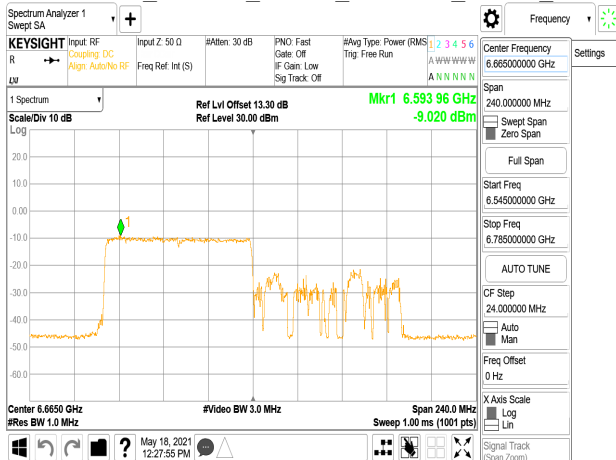


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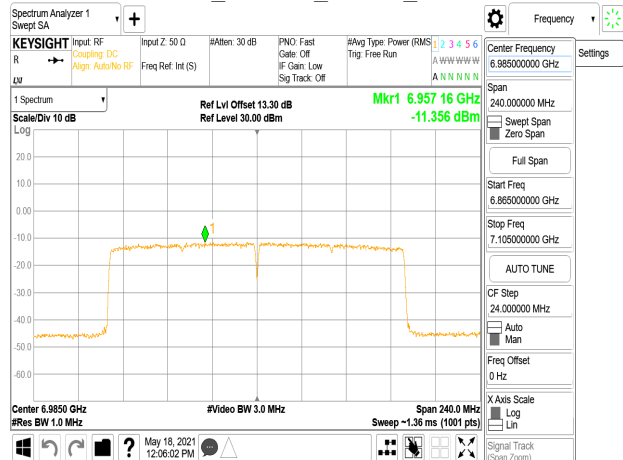
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802.11ax\_160MHz\_Chain1\_6665MHz\_RU996\_67



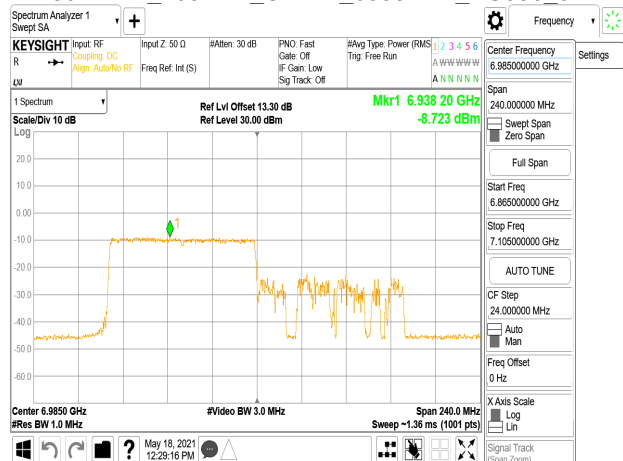
802.11ax\_160MHz\_Chain1\_6985MHz



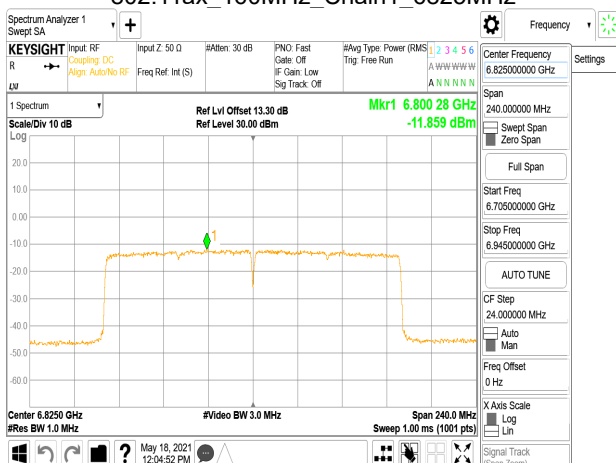
802.11ax\_160MHz\_Chain1\_6665MHz\_RU996\_S67



802.11ax\_160MHz\_Chain1\_6985MHz\_RU996\_67



802.11ax\_160MHz\_Chain1\_6825MHz



802.11ax\_160MHz\_Chain1\_6985MHz\_RU996\_S67



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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業

園區五工路 134 號

台灣檢驗科技股份有限公司 t (886-2) 2299-3279

f (886-2) 2298-0488

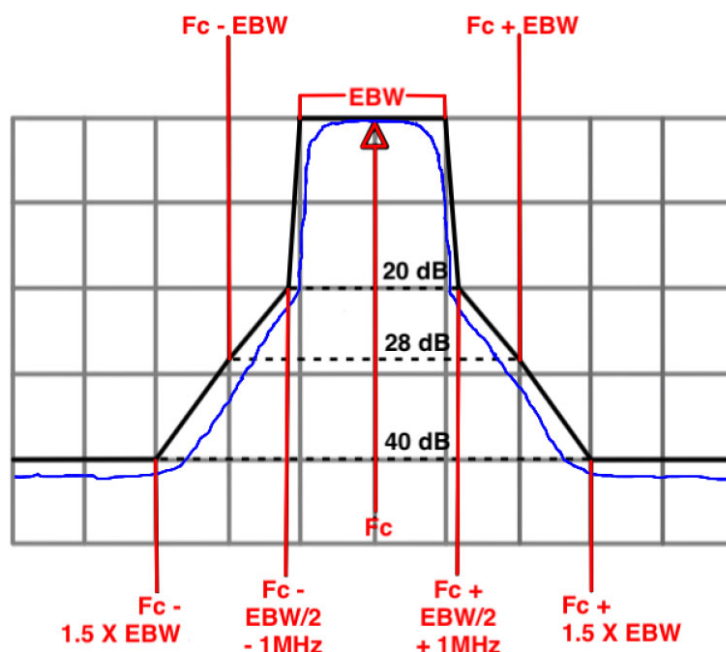
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## 11 IN-BAND EMISSION

### 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-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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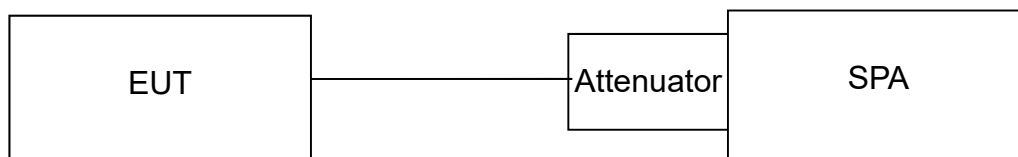
## 11.2 Measurement Procedure

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  $\geq 3 \times$  RBW
  - d. Number of points in sweep  $\geq [2 \times \text{span} / \text{RBW}]$ .
  - 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 Equipment Used

Conducted Emission Test Site: Conducted 2					
EQUIPMENT TYPE	MFR/BRAND	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/27/2020	06/26/2021
DC Block	Mini-Circuits	BLK-18-S+	1	12/16/2020	12/15/2021

## 11.4 Test Set-up



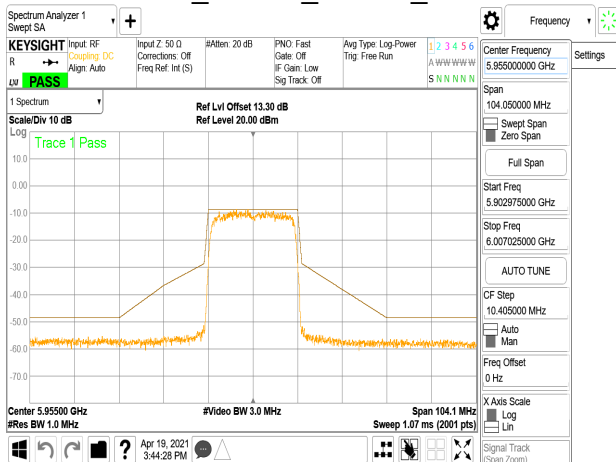
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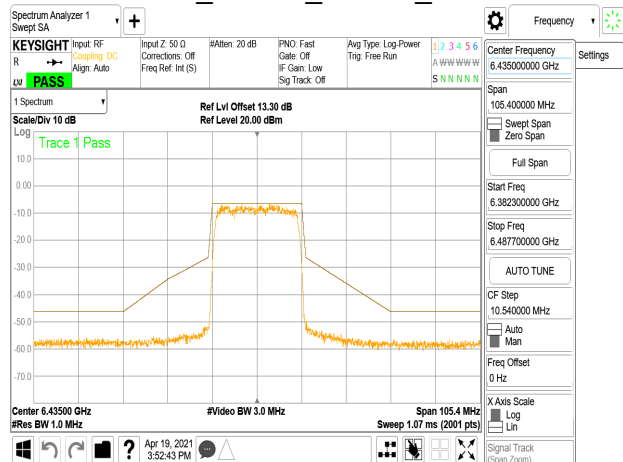
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## 11.5 Measurement Result

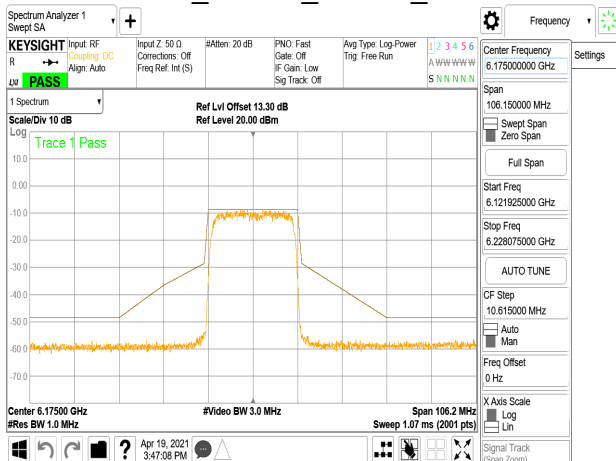
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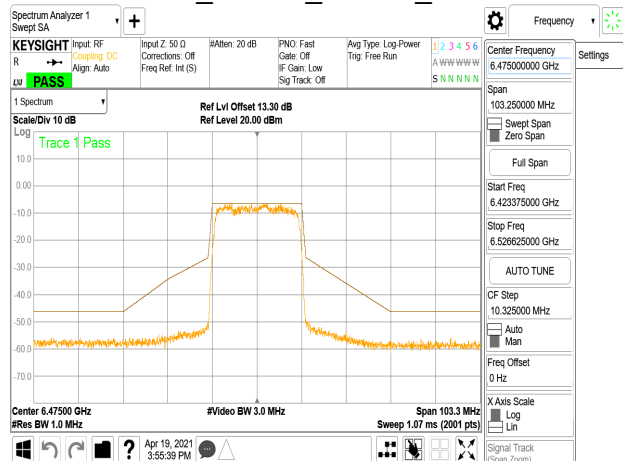
802.11ax\_20MHz\_Chain0\_6435MHz



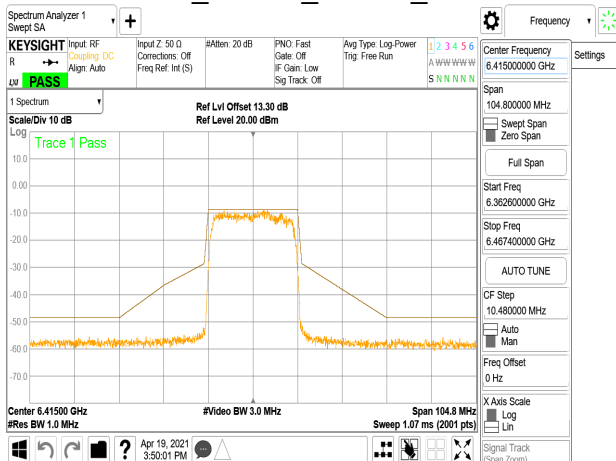
802.11ax\_20MHz\_Chain0\_6175MHz



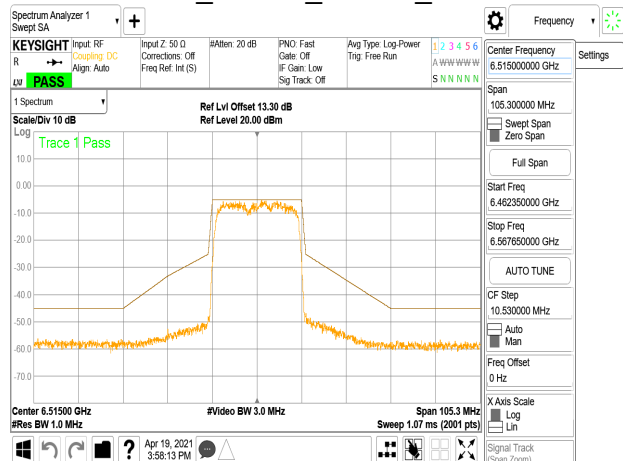
802.11ax\_20MHz\_Chain0\_6475MHz



802.11ax\_20MHz\_Chain0\_6415MHz



802.11ax\_20MHz\_Chain0\_6515MHz

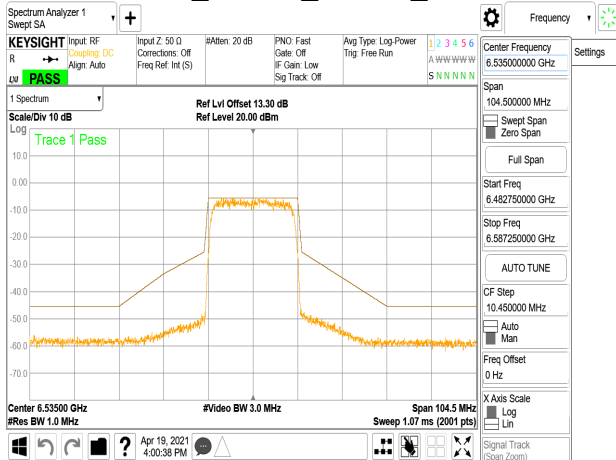


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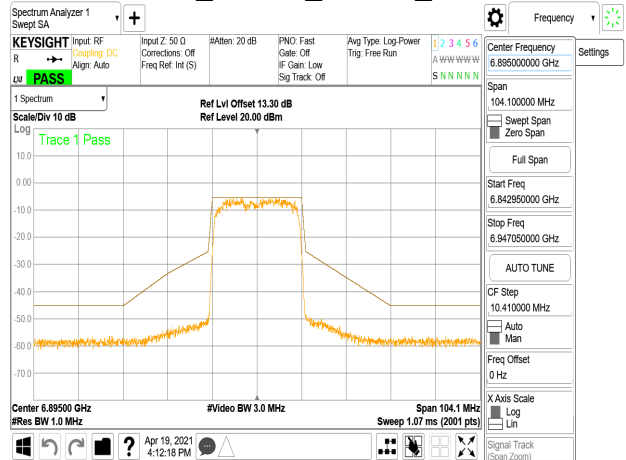
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802.11ax\_20MHz\_Chain0\_6535MHz



802.11ax\_20MHz\_Chain0\_6895MHz



802.11ax\_20MHz\_Chain0\_6695MHz



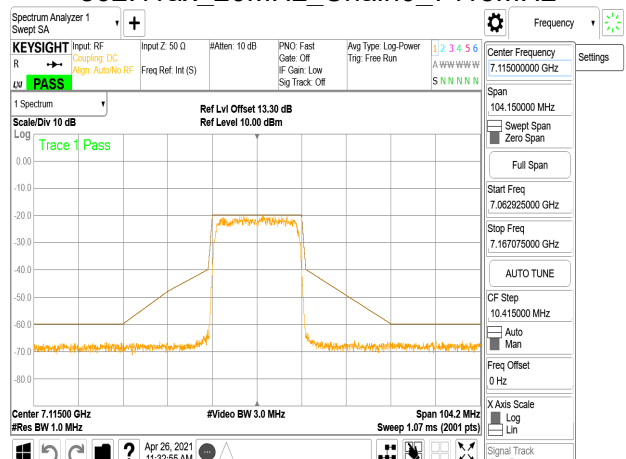
802.11ax\_20MHz\_Chain0\_6995MHz



802.11ax\_20MHz\_Chain0\_6855MHz



802.11ax\_20MHz\_Chain0\_7115MHz

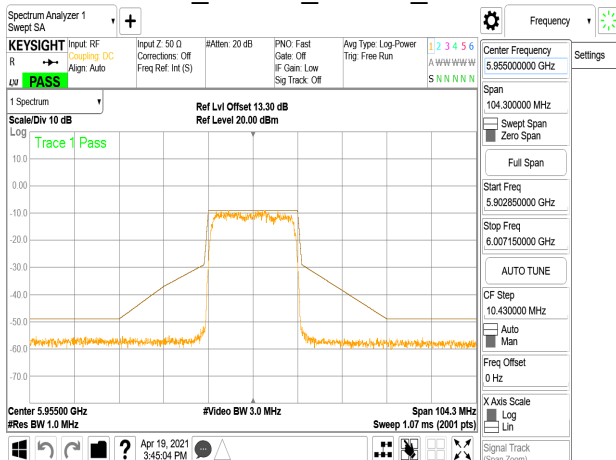


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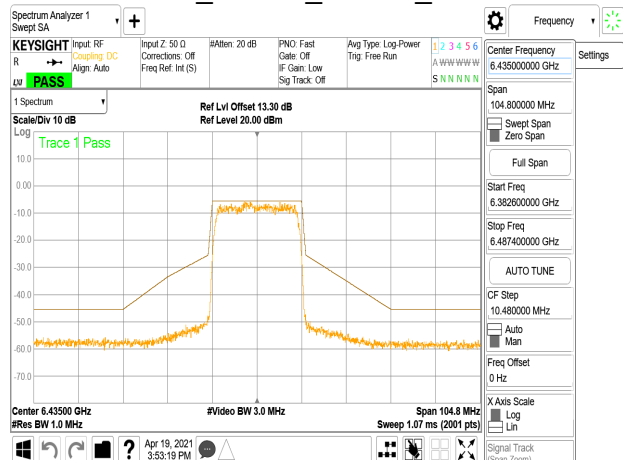
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802.11ax\_20MHz\_Chain1\_5955MHz



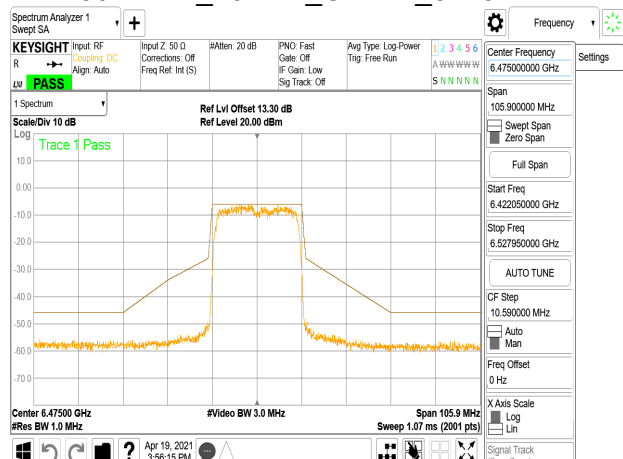
802.11ax\_20MHz\_Chain1\_6435MHz



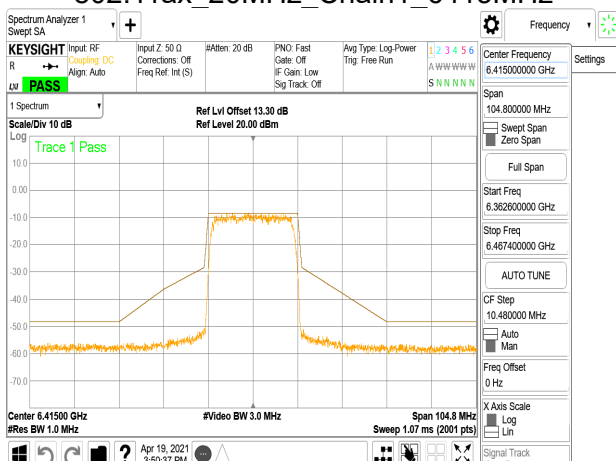
802.11ax\_20MHz\_Chain1\_6175MHz



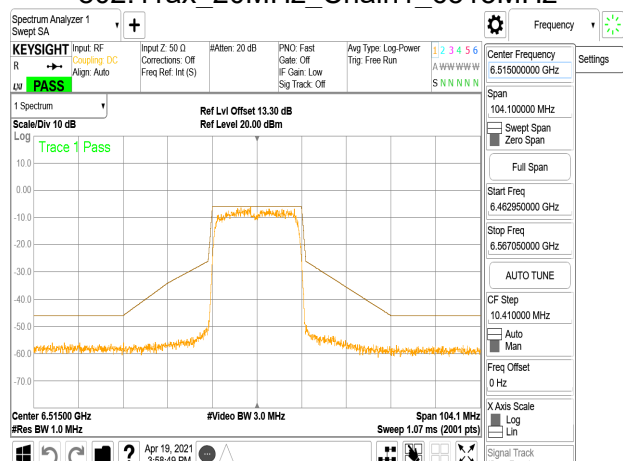
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802.11ax\_20MHz\_Chain1\_6415MHz



802.11ax\_20MHz\_Chain1\_6515MHz

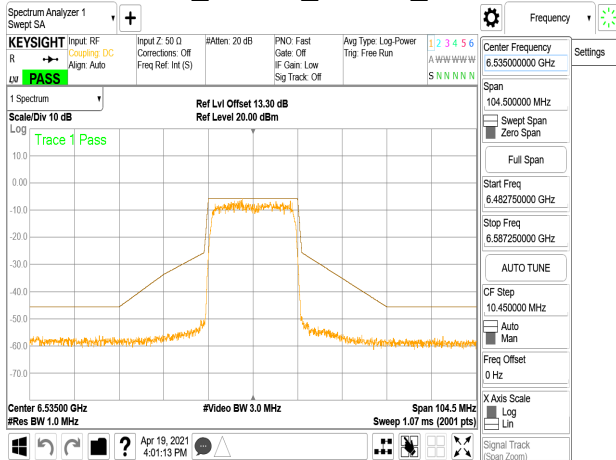


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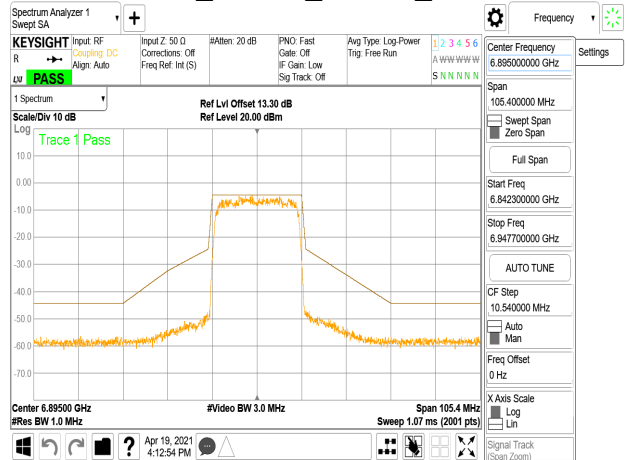
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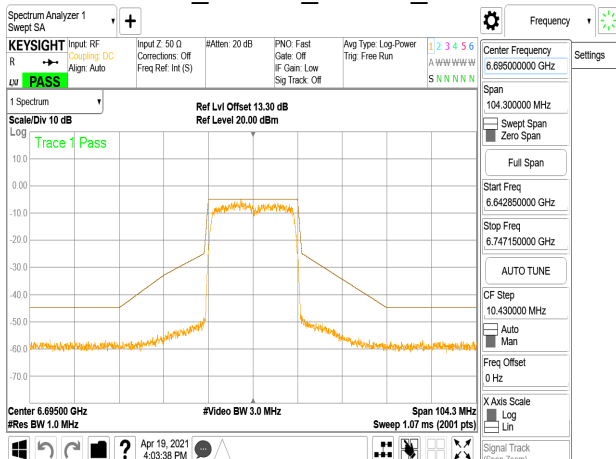
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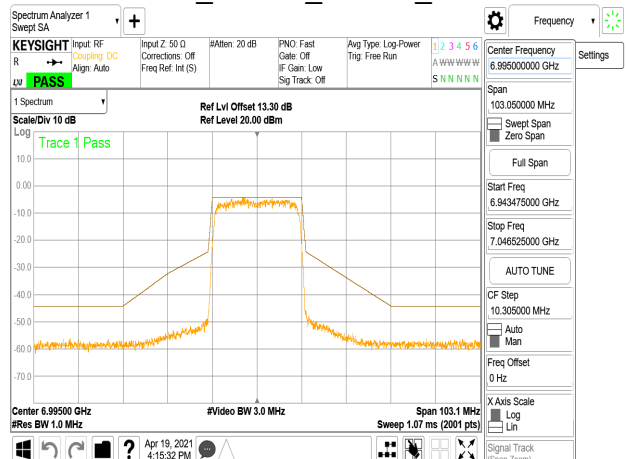
802.11ax\_20MHz\_Chain1\_6895MHz



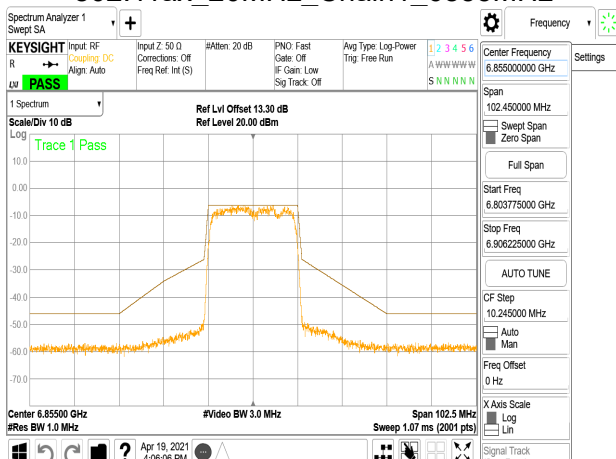
802.11ax\_20MHz\_Chain1\_6695MHz



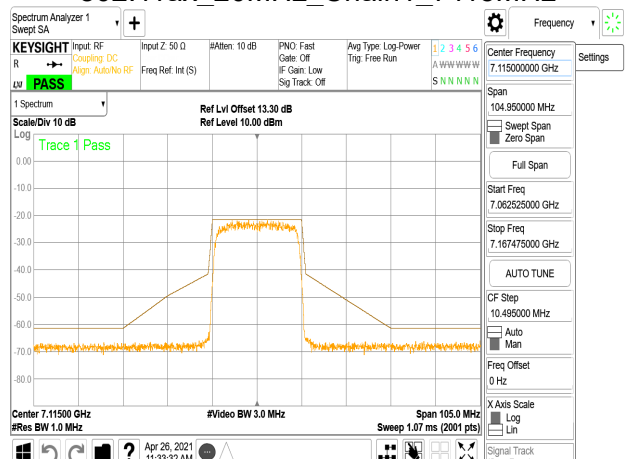
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802.11ax\_20MHz\_Chain1\_6855MHz



802.11ax\_20MHz\_Chain1\_7115MHz

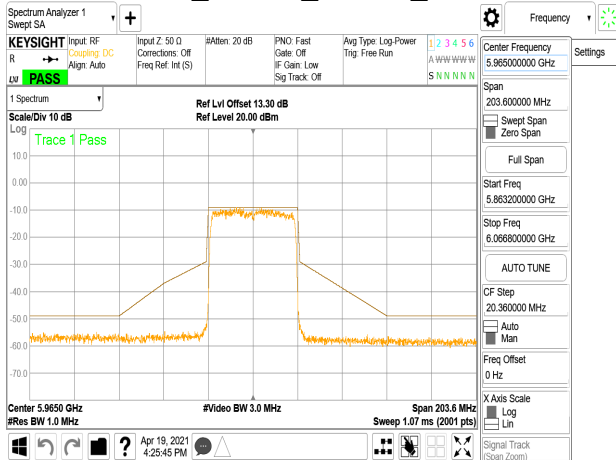


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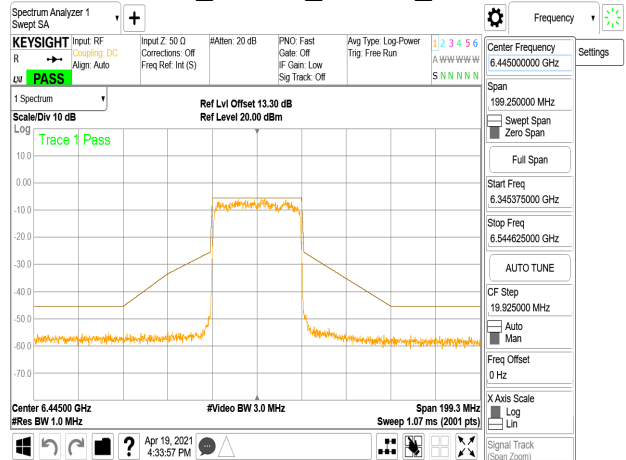
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802.11ax\_40MHz\_Chain0\_5965MHz



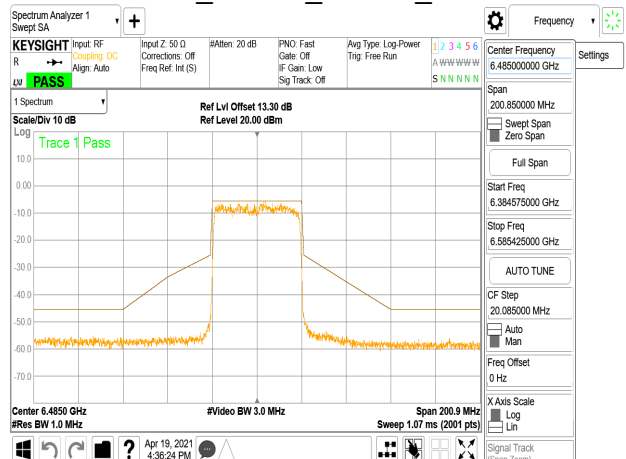
802.11ax\_40MHz\_Chain0\_6445MHz



802.11ax\_40MHz\_Chain0\_6165MHz



802.11ax\_40MHz\_Chain0\_6485MHz



802.11ax\_40MHz\_Chain0\_6405MHz



802.11ax\_40MHz\_Chain0\_6565MHz

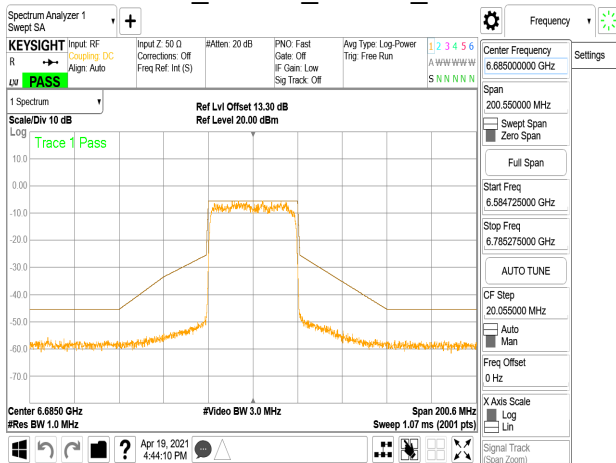


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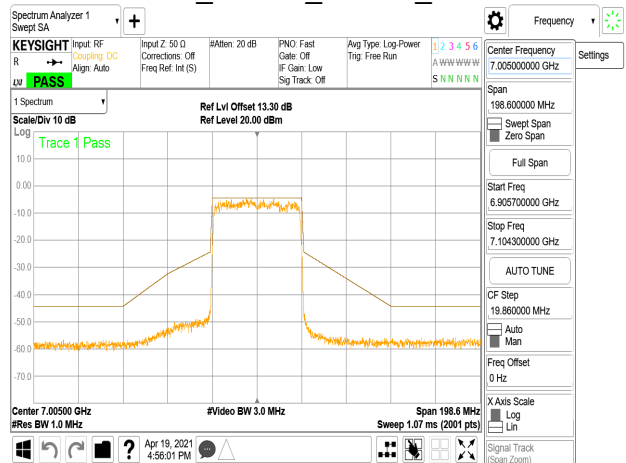
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802.11ax\_40MHz\_Chain0\_6685MHz



802.11ax\_40MHz\_Chain0\_7005MHz



802.11ax\_40MHz\_Chain0\_6845MHz



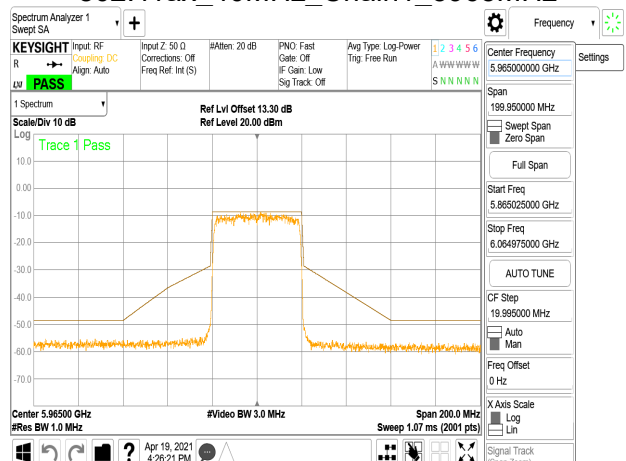
802.11ax\_40MHz\_Chain0\_7085MHz



802.11ax\_40MHz\_Chain0\_6925MHz



802.11ax\_40MHz\_Chain1\_5965MHz

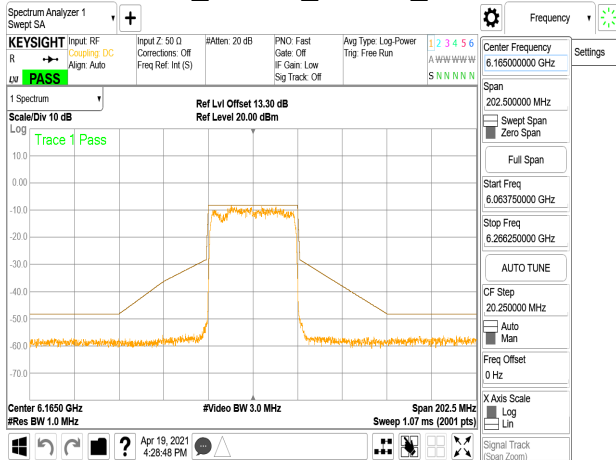


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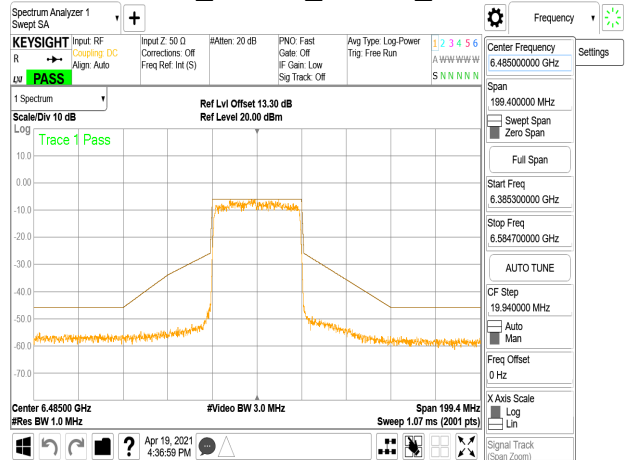
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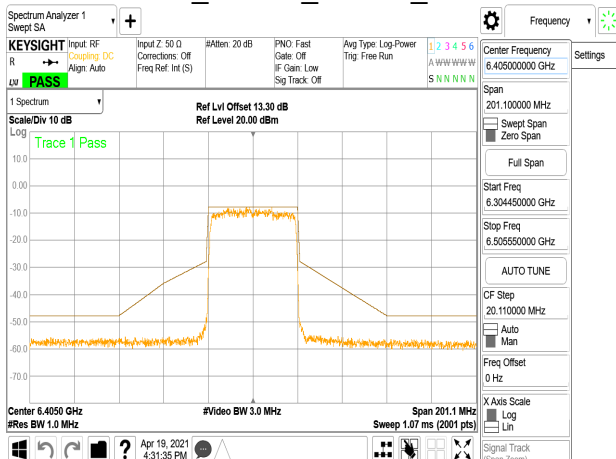
802.11ax\_40MHz\_Chain1\_6165MHz



802.11ax\_40MHz\_Chain1\_6485MHz



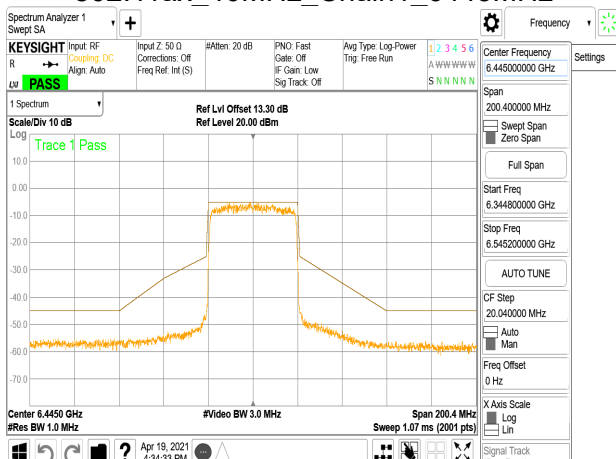
802.11ax\_40MHz\_Chain1\_6405MHz



802.11ax\_40MHz\_Chain1\_6565MHz



802.11ax\_40MHz\_Chain1\_6445MHz



802.11ax\_40MHz\_Chain1\_6685MHz

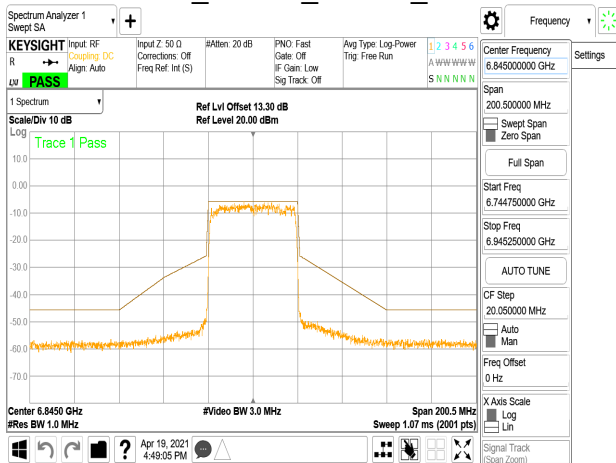


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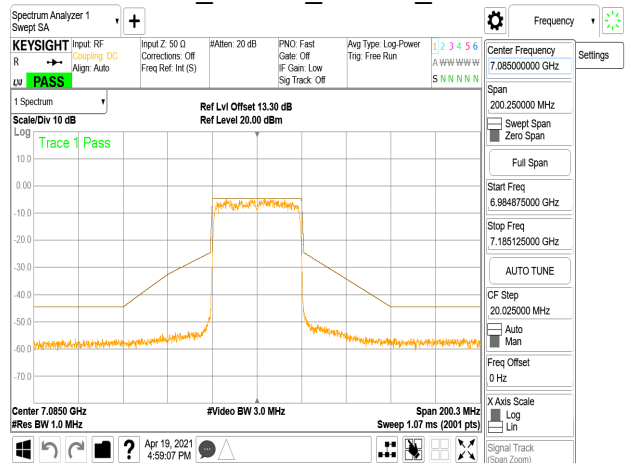
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802.11ax\_40MHz\_Chain1\_6845MHz



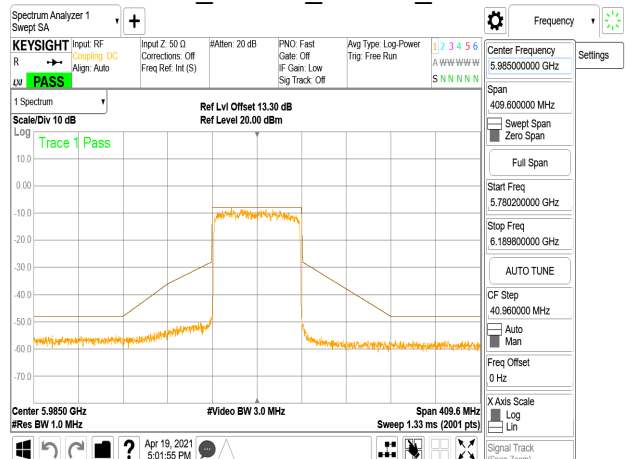
802.11ax\_40MHz\_Chain1\_7085MHz



802.11ax\_40MHz\_Chain1\_6925MHz



802.11ax\_80MHz\_Chain0\_5985MHz



802.11ax\_40MHz\_Chain1\_7005MHz



802.11ax\_80MHz\_Chain0\_6145MHz

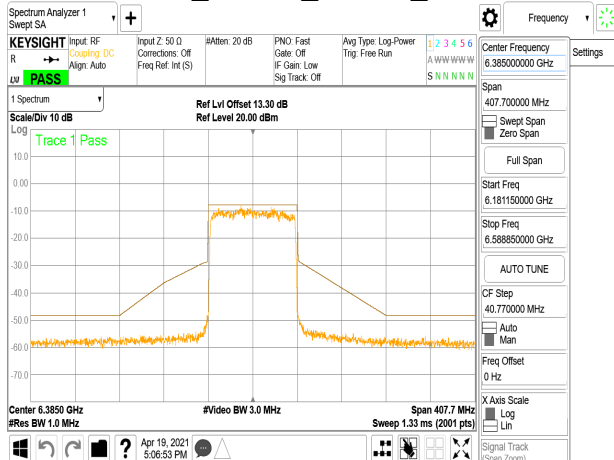


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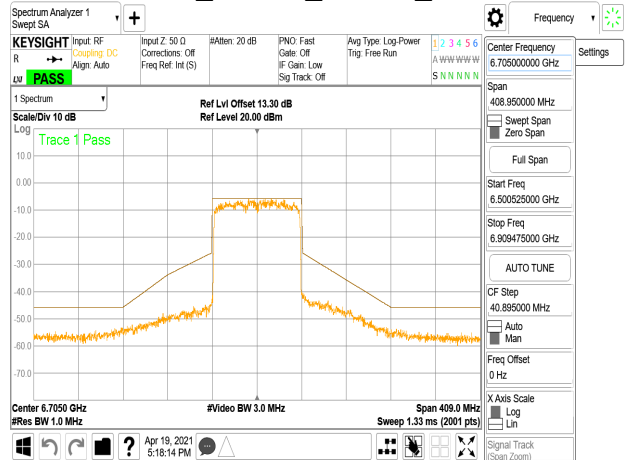
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802.11ax\_80MHz\_Chain0\_6385MHz



802.11ax\_80MHz\_Chain0\_6705MHz



802.11ax\_80MHz\_Chain0\_6465MHz



802.11ax\_80MHz\_Chain0\_6785MHz



802.11ax\_80MHz\_Chain0\_6625MHz



802.11ax\_80MHz\_Chain0\_6945MHz



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