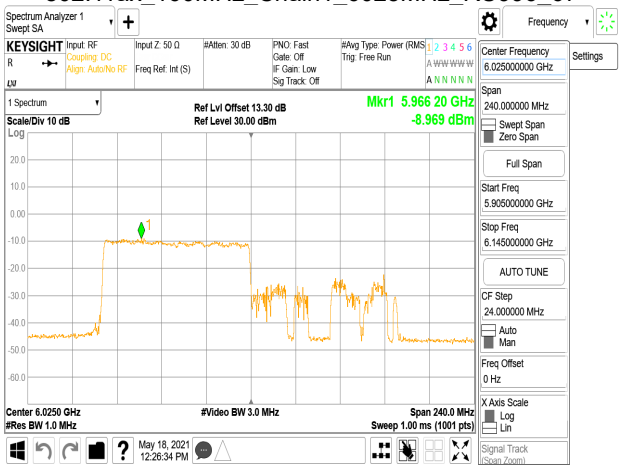
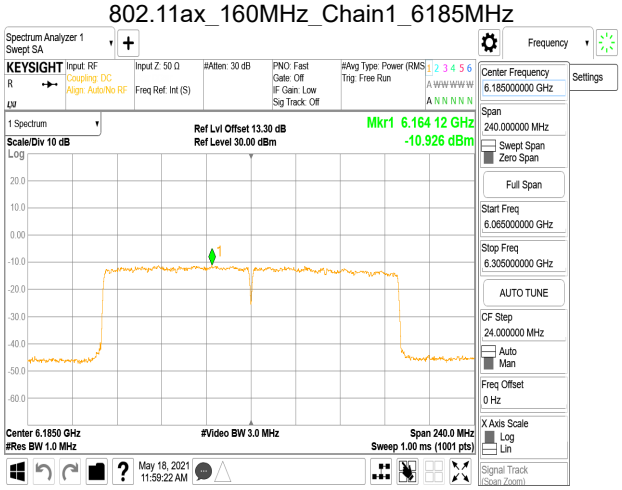
802.11ax_160MHz_Chain1_6025MHz_RU996_67

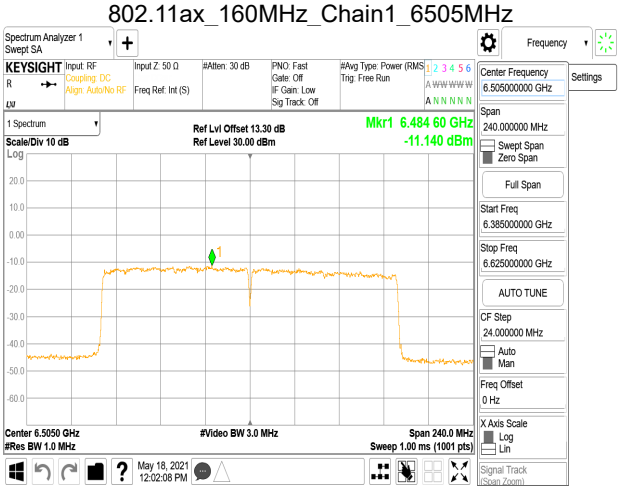


802.11ax_160MHz_Chain1_6345MHz_RU996_S67

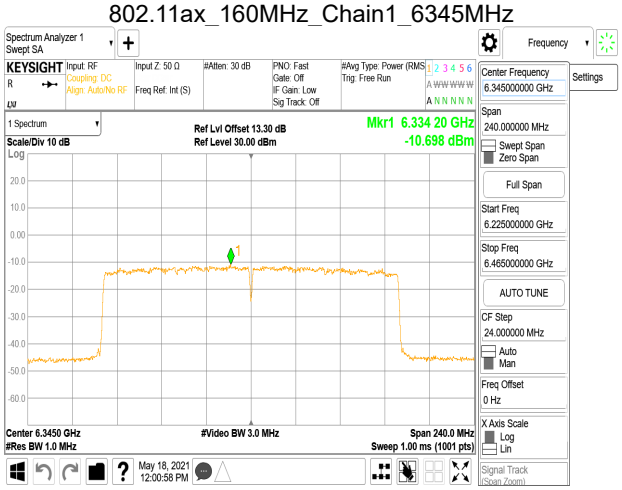
802.11ax_160MHz_Chain1_6185MHz



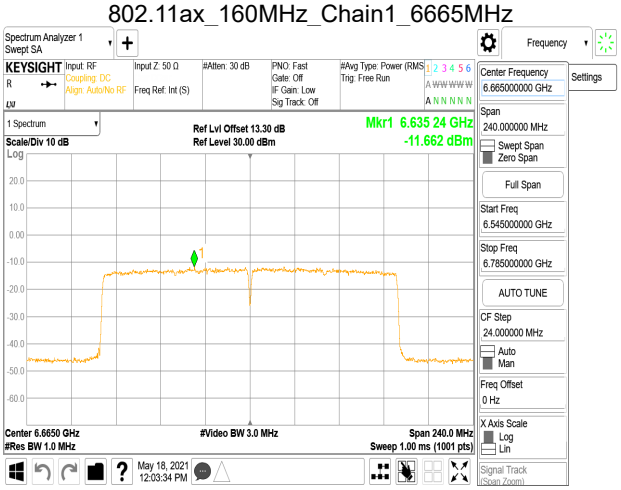
802.11ax_160MHz_Chain1_6505MHz



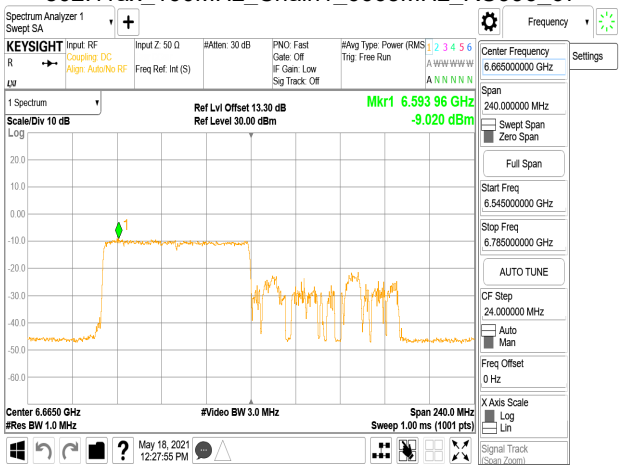
802.11ax_160MHz_Chain1_6345MHz



802.11ax_160MHz_Chain1_6665MHz

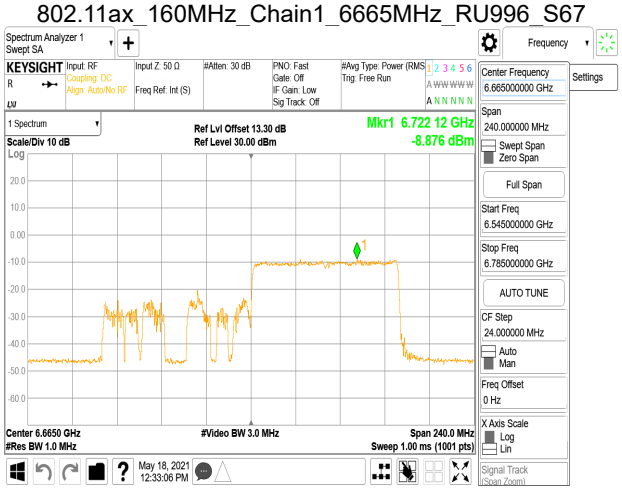


802.11ax_160MHz_Chain1_6665MHz_RU996_67

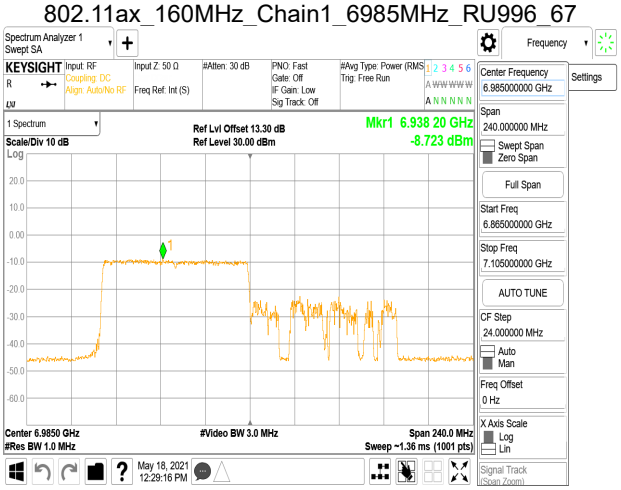


802.11ax_160MHz_Chain1_6985MHz

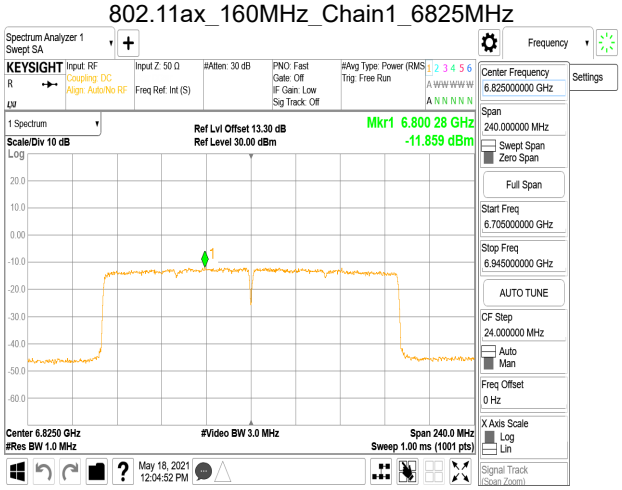
802.11ax_160MHz_Chain1_6665MHz_RU996_S67



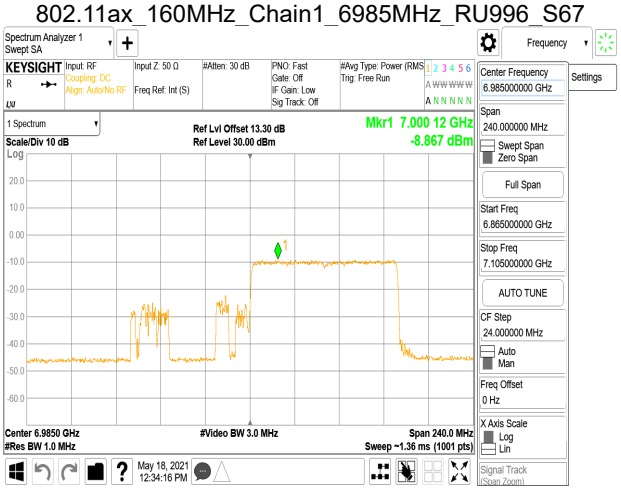
802.11ax_160MHz_Chain1_6985MHz_RU996_67



802.11ax_160MHz_Chain1_6825MHz



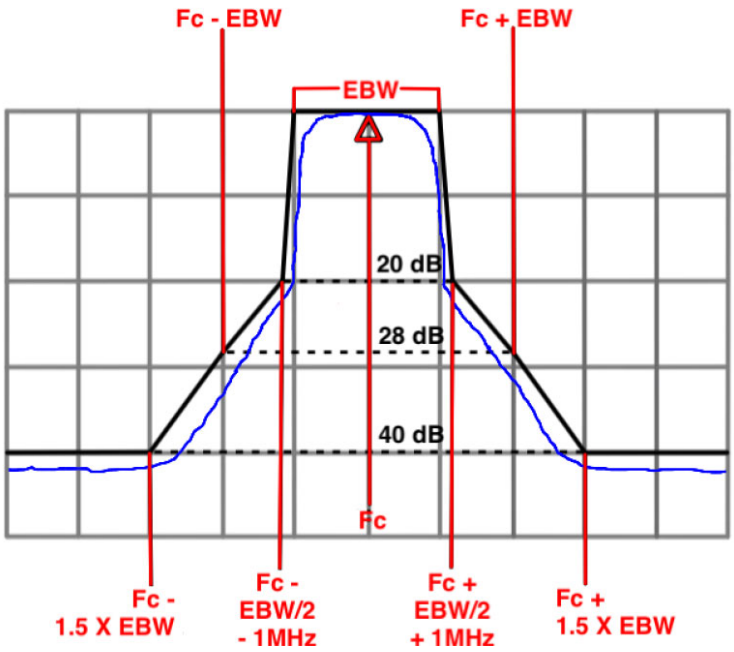
802.11ax_160MHz_Chain1_6985MHz_RU996_S67



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.



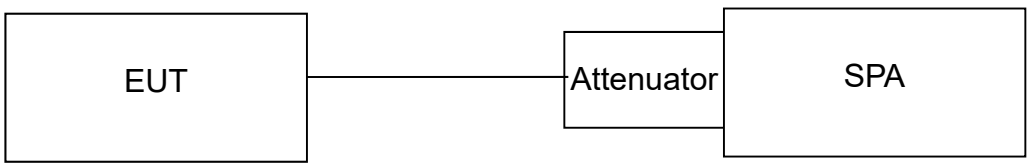
11.2 Measurement Procedure

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 Equipment Used

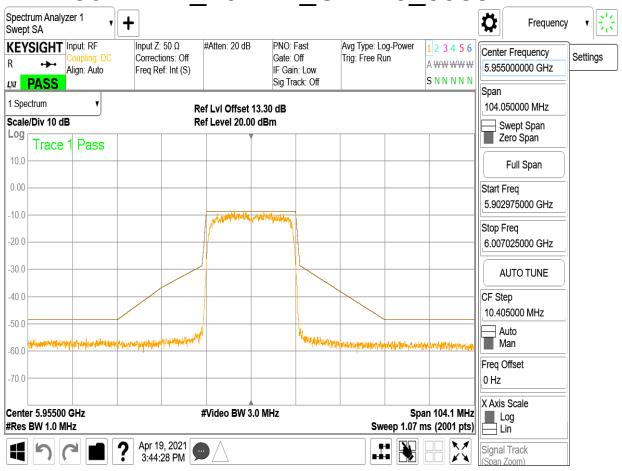
Conducted Emission Test Site: Conducted 2					
EQUIPMENT TYPE	**MFR/BRAND**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/27/2020	06/26/2021
DC Block	Mini-Circuits	BLK-18-S+	1	12/16/2020	12/15/2021

11.4 Test Set-up

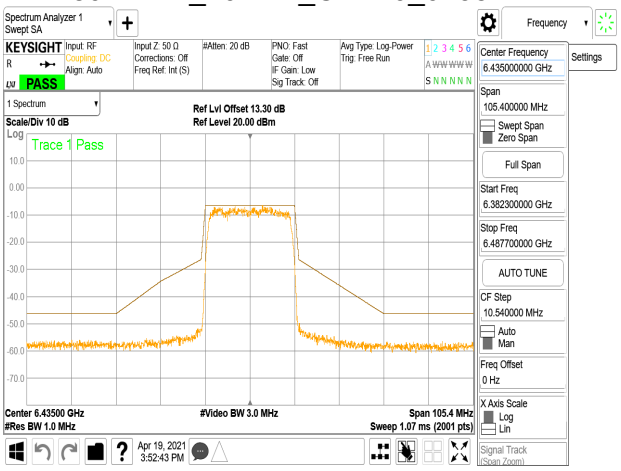


11.5 Measurement Result

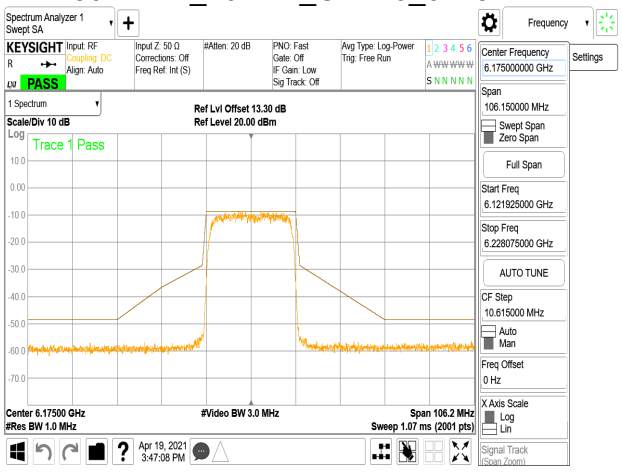
802.11ax_20MHz_Chain0_5955MHz



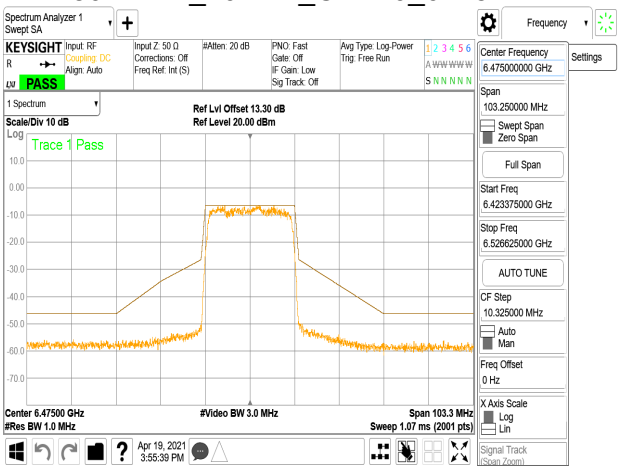
802.11ax_20MHz_Chain0_6435MHz



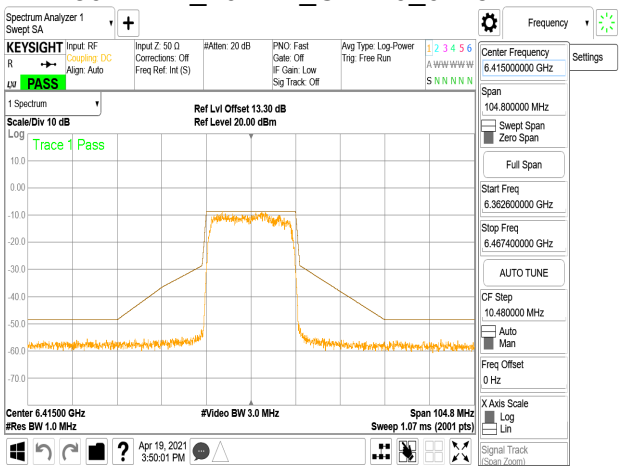
802.11ax_20MHz_Chain0_6175MHz



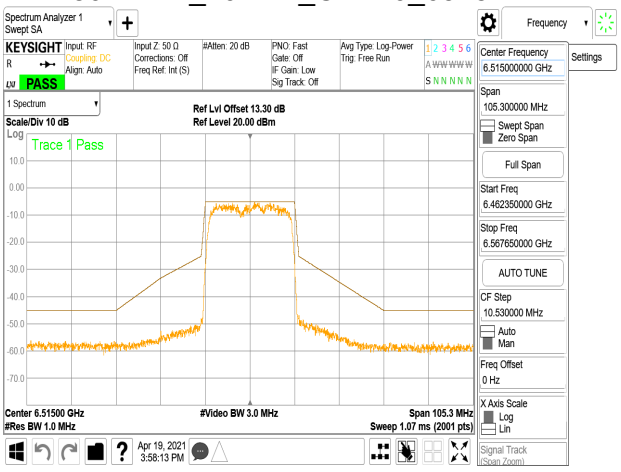
802.11ax_20MHz_Chain0_6475MHz



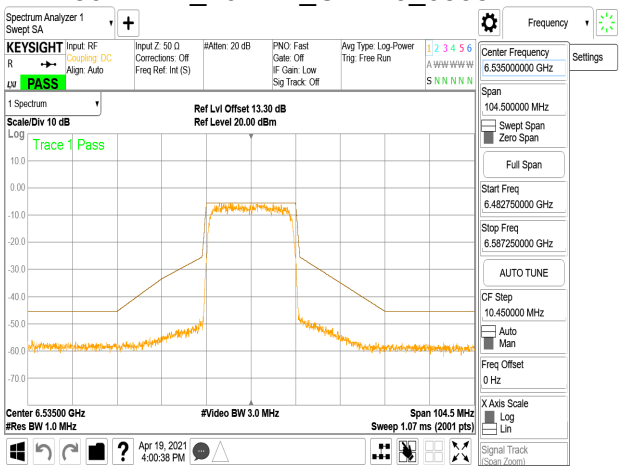
802.11ax_20MHz_Chain0_6415MHz



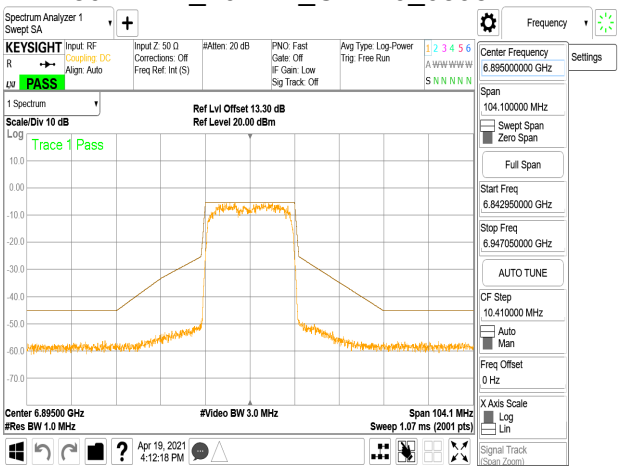
802.11ax_20MHz_Chain0_6515MHz



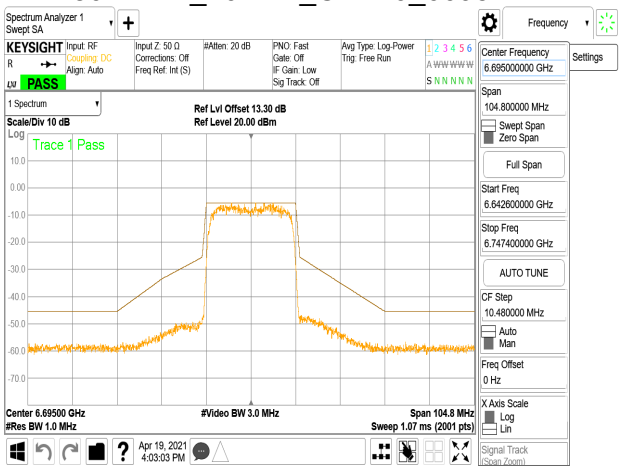
802.11ax_20MHz_Chain0_6535MHz



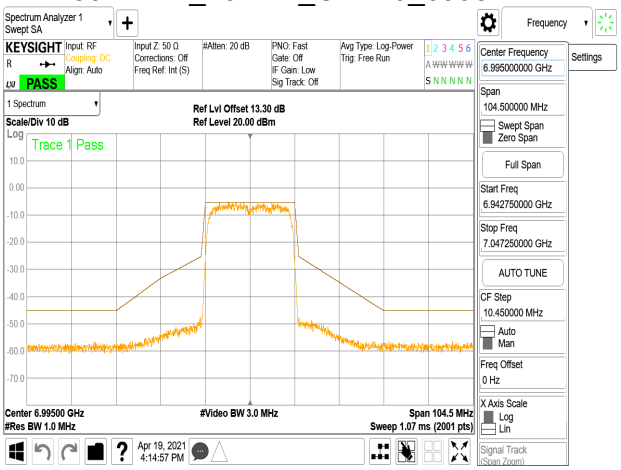
802.11ax_20MHz_Chain0_6895MHz



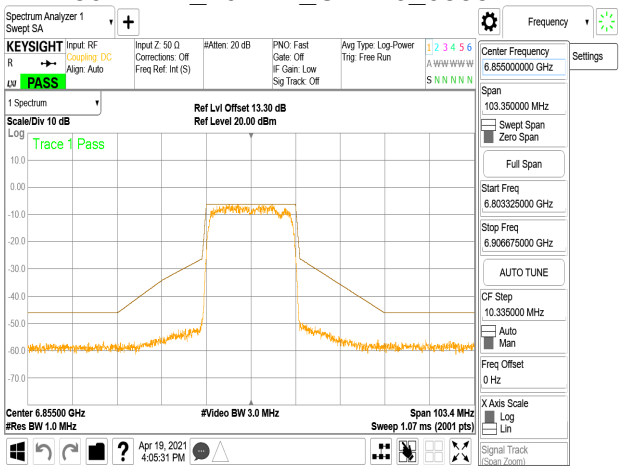
802.11ax_20MHz_Chain0_6695MHz



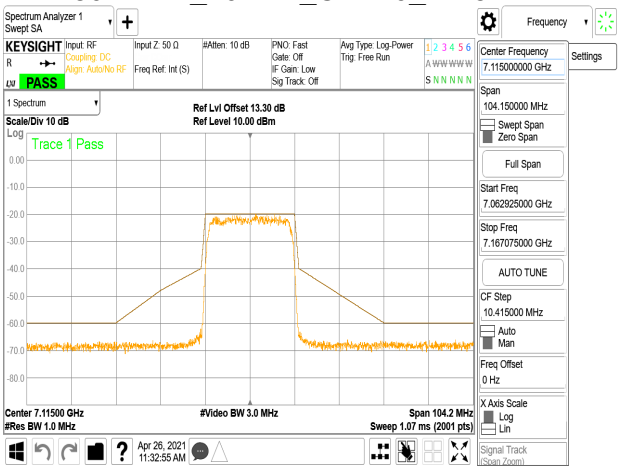
802.11ax_20MHz_Chain0_6995MHz



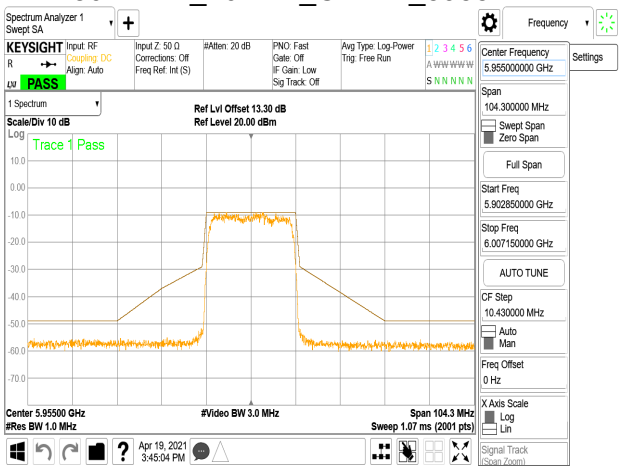
802.11ax_20MHz_Chain0_6855MHz



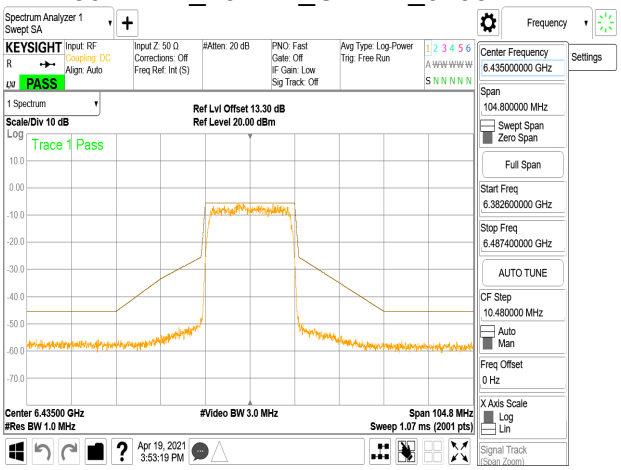
802.11ax_20MHz_Chain0_7115MHz



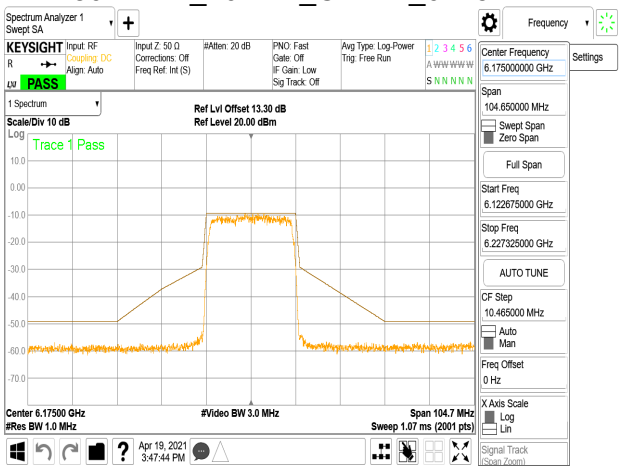
802.11ax_20MHz_Chain1_5955MHz



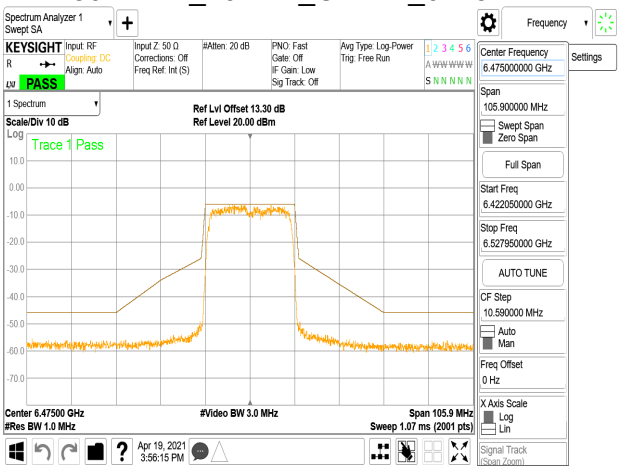
802.11ax_20MHz_Chain1_6435MHz



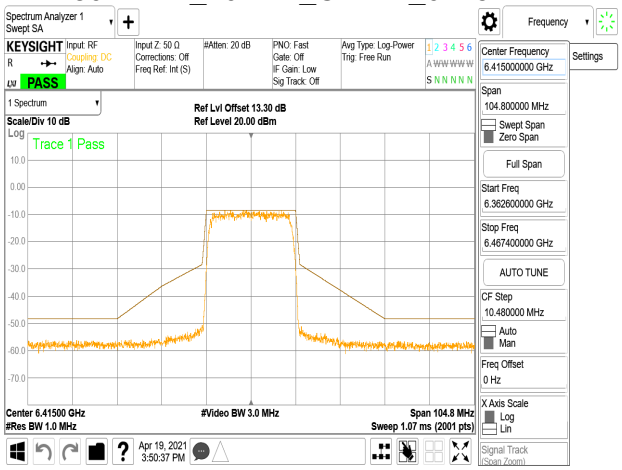
802.11ax_20MHz_Chain1_6175MHz



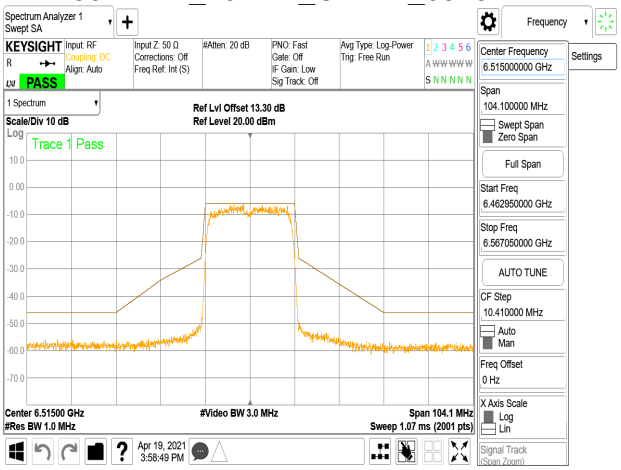
802.11ax_20MHz_Chain1_6475MHz



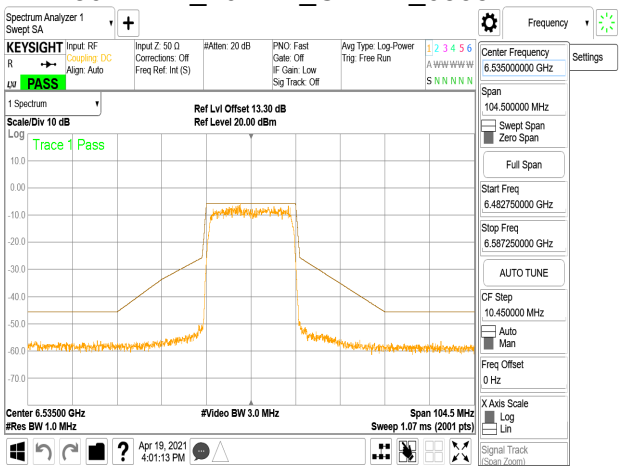
802.11ax_20MHz_Chain1_6415MHz



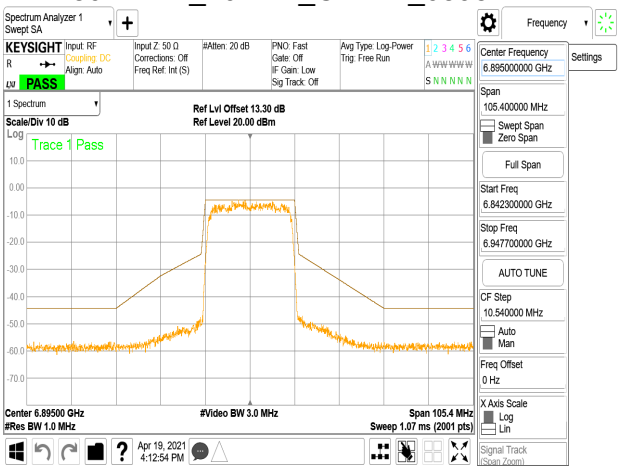
802.11ax_20MHz_Chain1_6515MHz



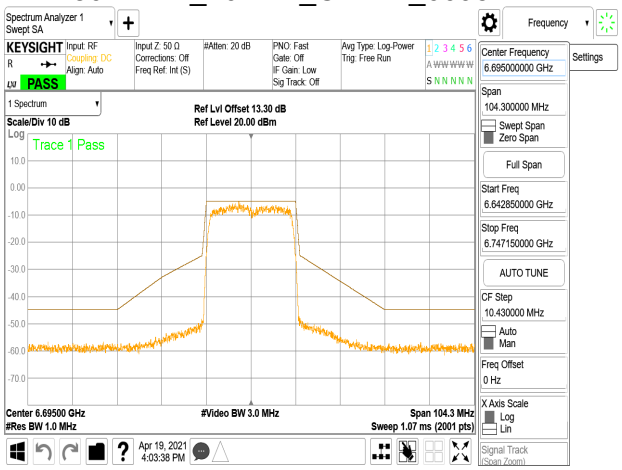
802.11ax_20MHz_Chain1_6535MHz



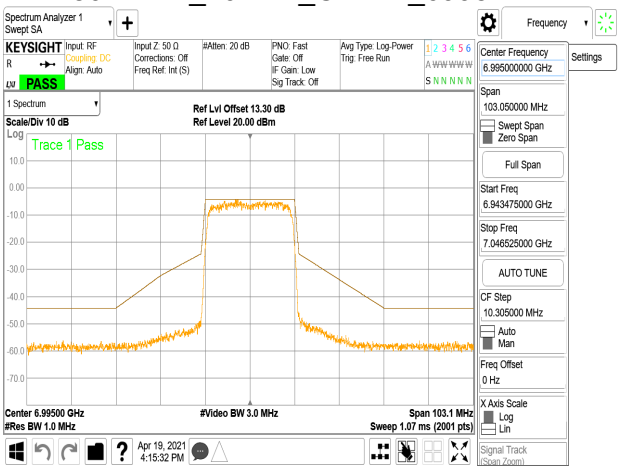
802.11ax_20MHz_Chain1_6895MHz



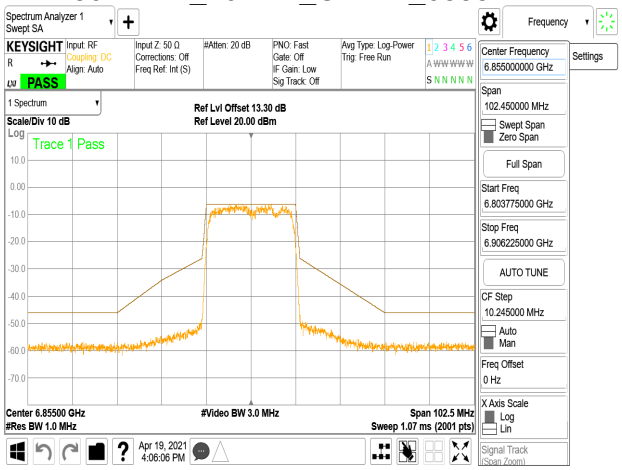
802.11ax_20MHz_Chain1_6695MHz



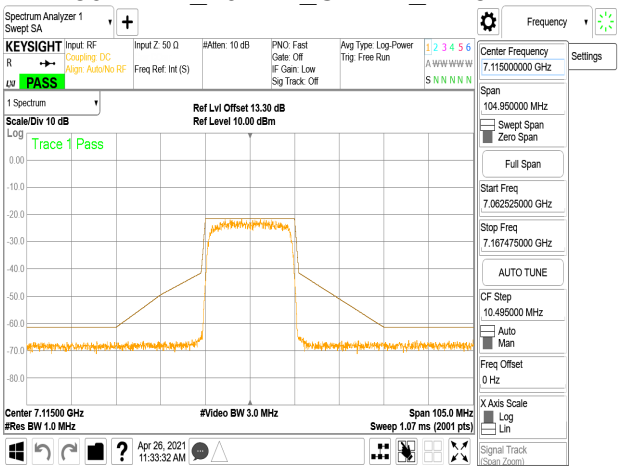
802.11ax_20MHz_Chain1_6995MHz



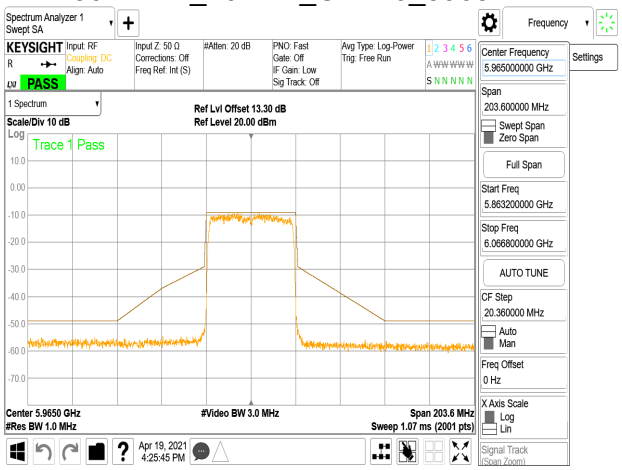
802.11ax_20MHz_Chain1_6855MHz



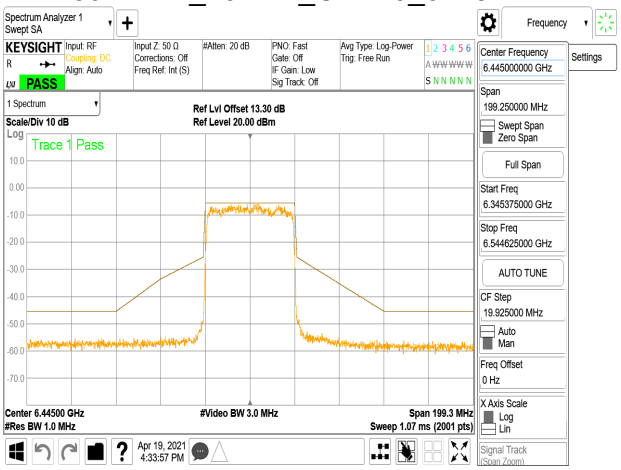
802.11ax_20MHz_Chain1_7115MHz



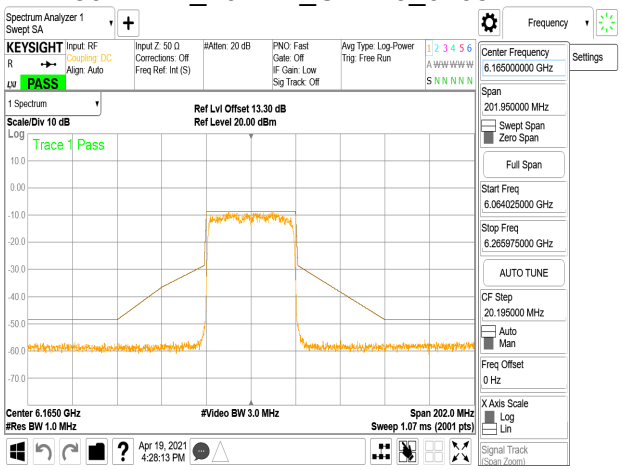
802.11ax_40MHz_Chain0_5965MHz



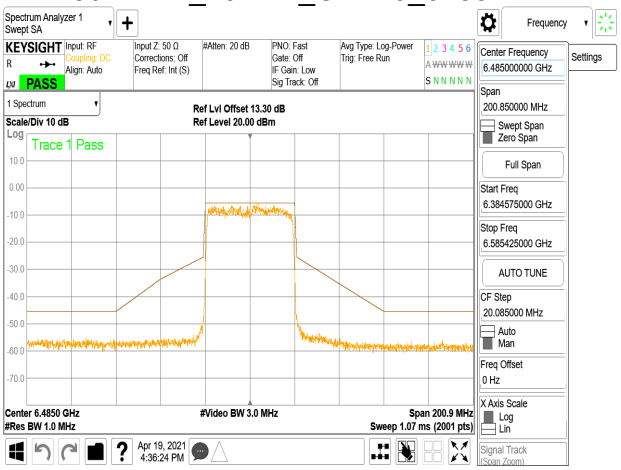
802.11ax_40MHz_Chain0_6445MHz



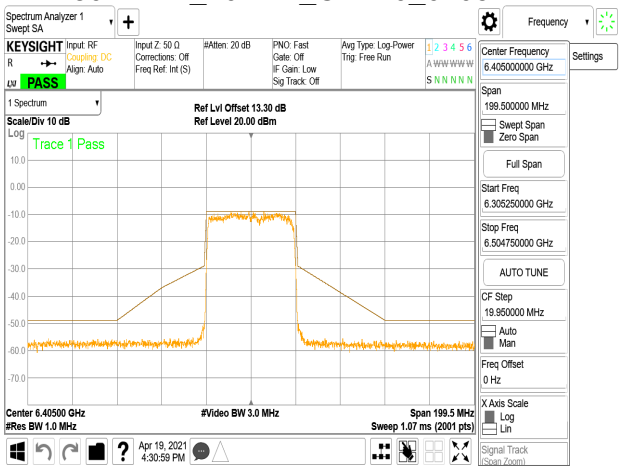
802.11ax_40MHz_Chain0_6165MHz



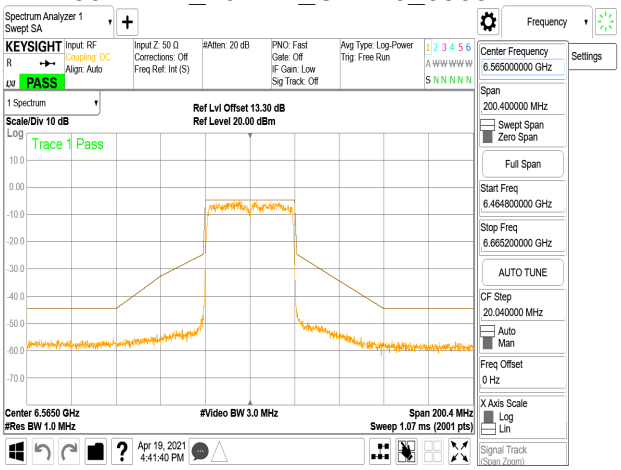
802.11ax_40MHz_Chain0_6485MHz



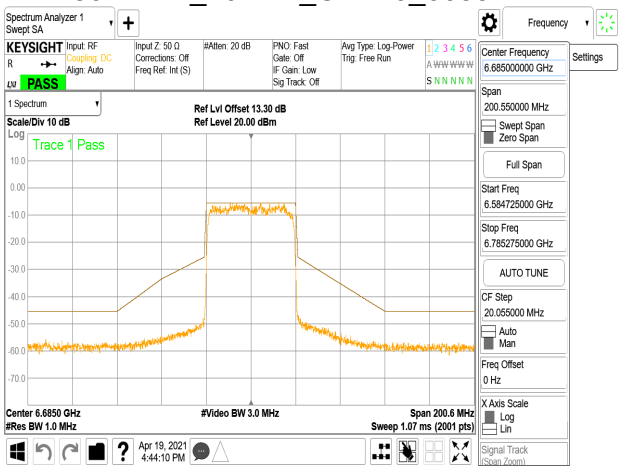
802.11ax_40MHz_Chain0_6405MHz



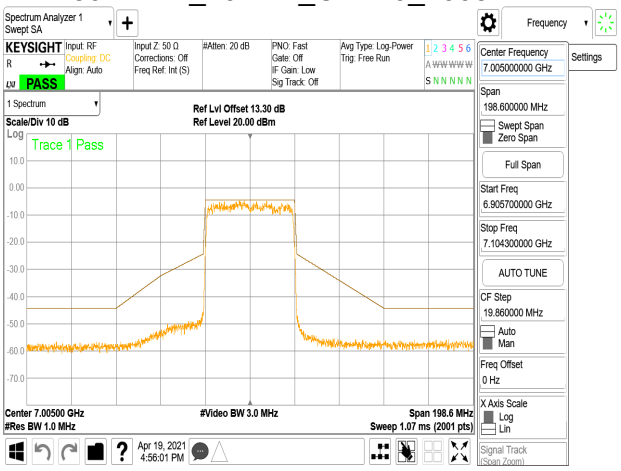
802.11ax_40MHz_Chain0_6565MHz



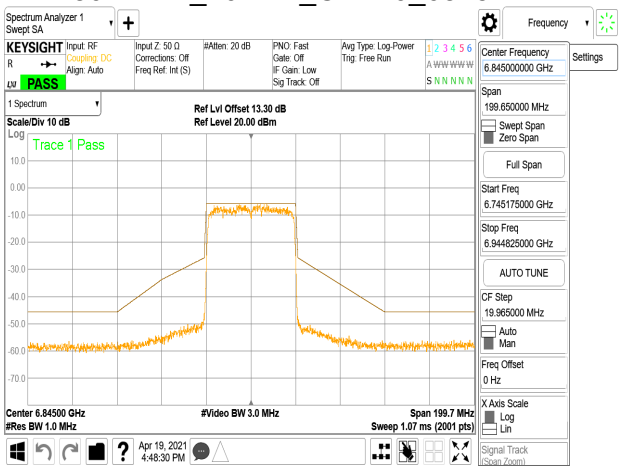
802.11ax_40MHz_Chain0_6685MHz



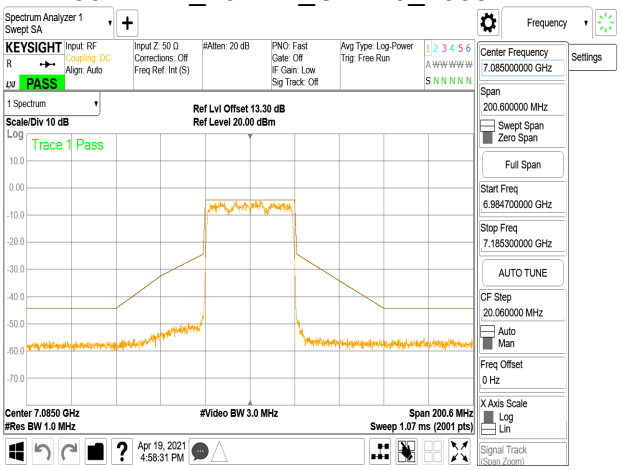
802.11ax_40MHz_Chain0_7005MHz



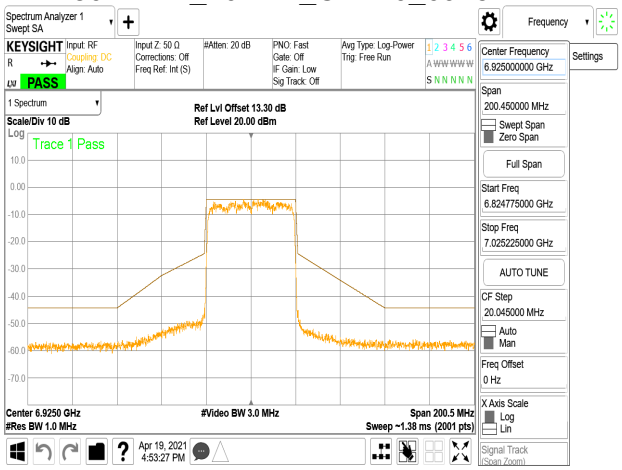
802.11ax_40MHz_Chain0_6845MHz



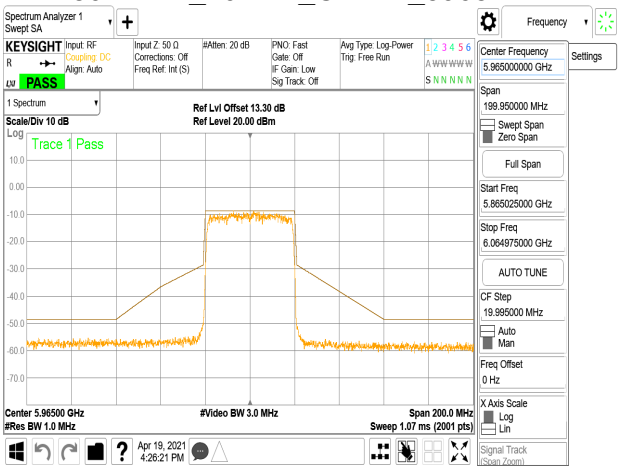
802.11ax_40MHz_Chain0_7085MHz



802.11ax_40MHz_Chain0_6925MHz

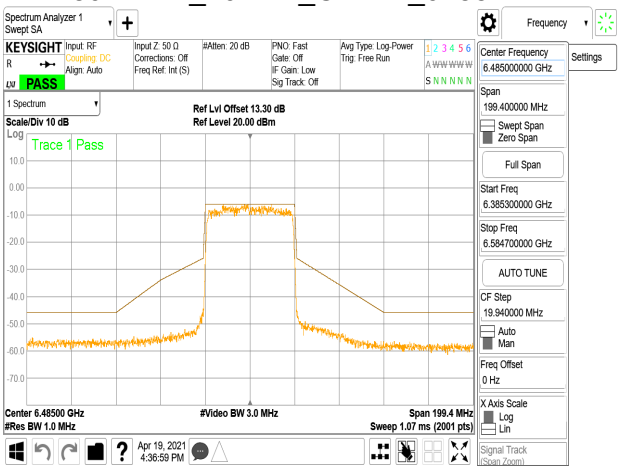


802.11ax_40MHz_Chain1_5965MHz

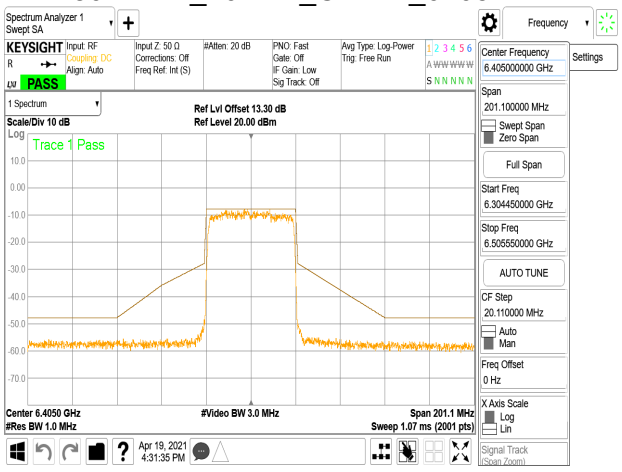


802.11ax_40MHz_Chain1_6165MHz

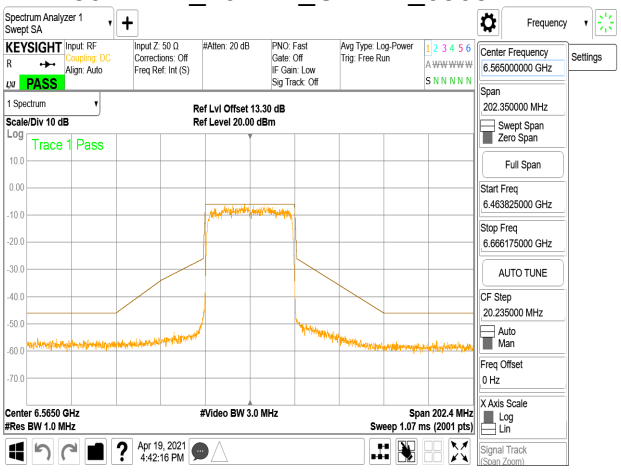
802.11ax_40MHz_Chain1_6485MHz



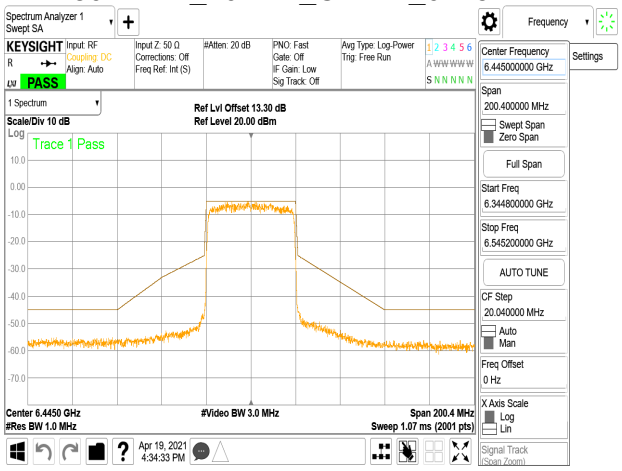
802.11ax_40MHz_Chain1_6405MHz



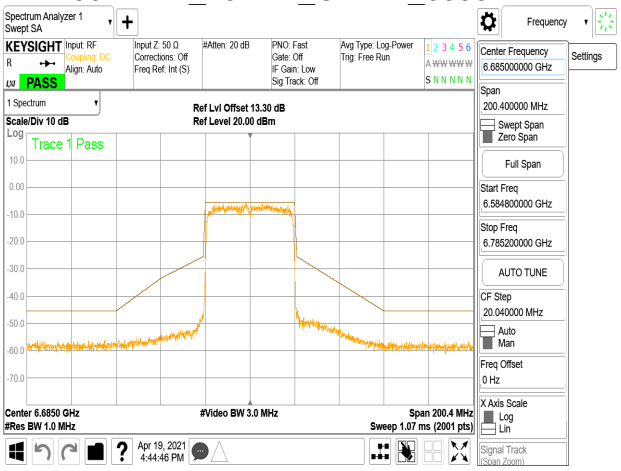
802.11ax_40MHz_Chain1_6565MHz



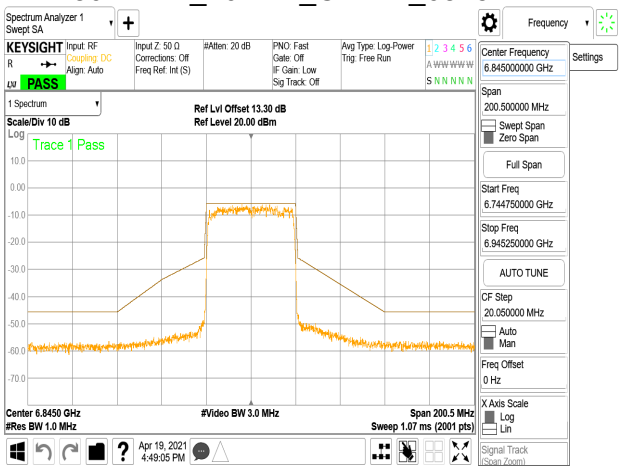
802.11ax_40MHz_Chain1_6445MHz



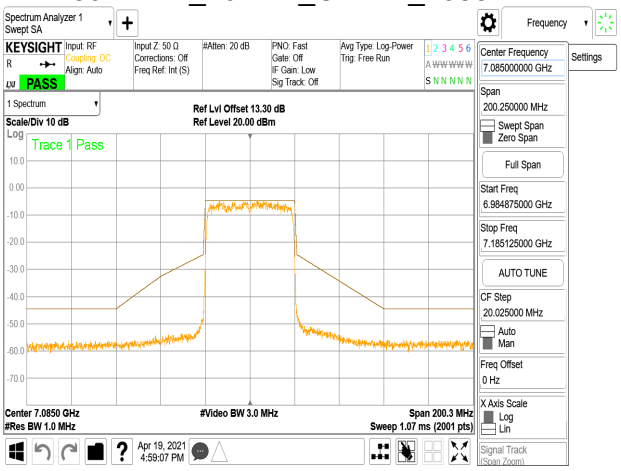
802.11ax_40MHz_Chain1_6685MHz



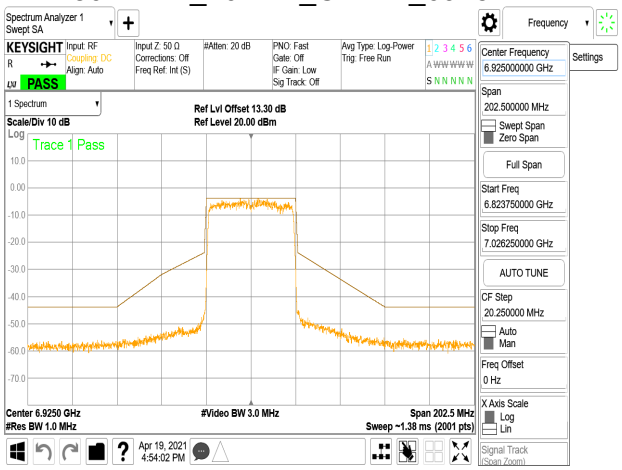
802.11ax_40MHz_Chain1_6845MHz



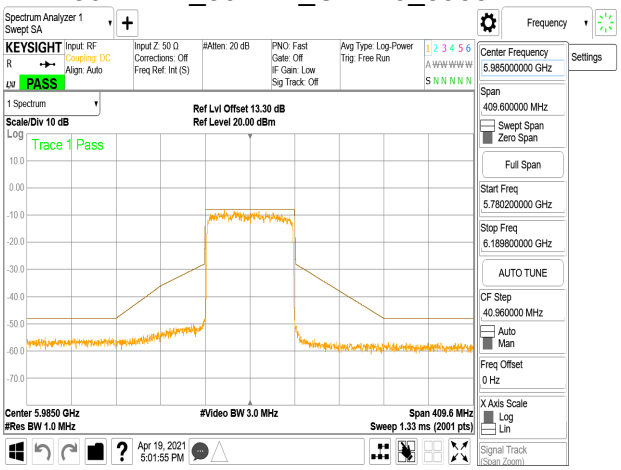
802.11ax_40MHz_Chain1_7085MHz



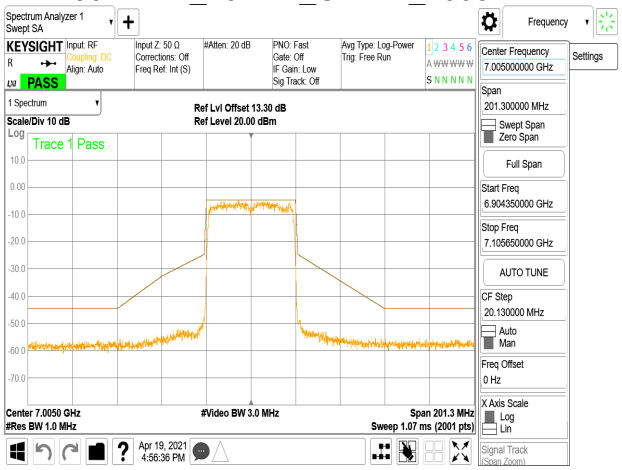
802.11ax_40MHz_Chain1_6925MHz



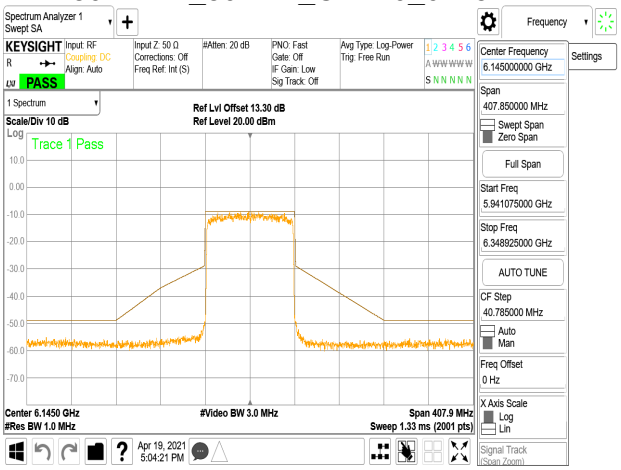
802.11ax_80MHz_Chain0_5985MHz



802.11ax_40MHz_Chain1_7005MHz



802.11ax_80MHz_Chain0_6145MHz



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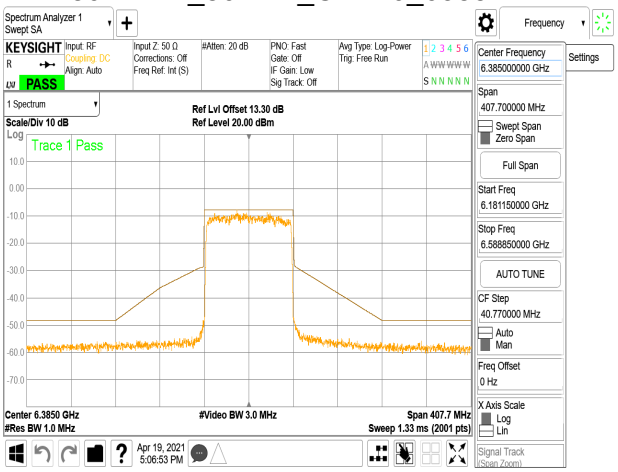
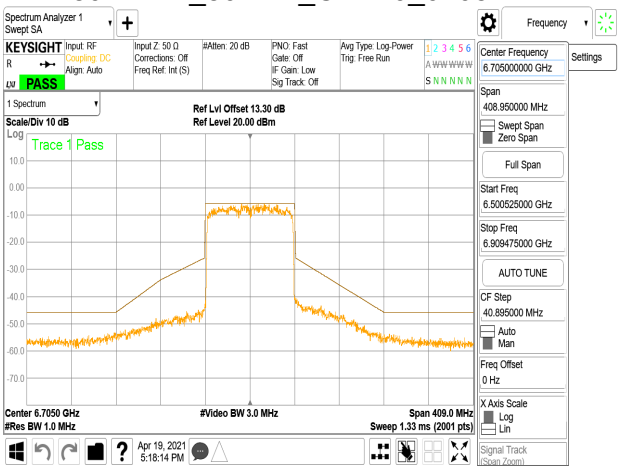
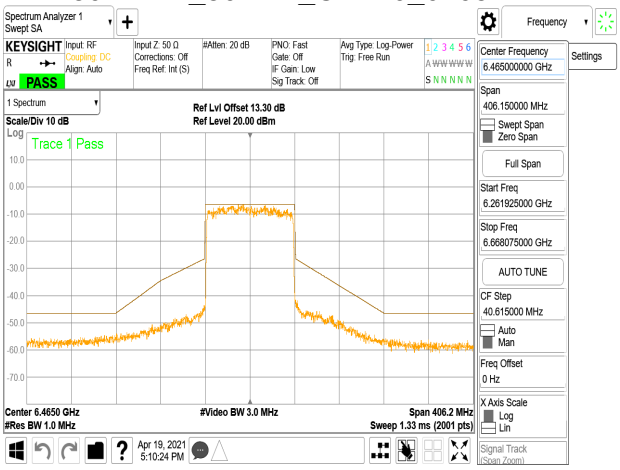


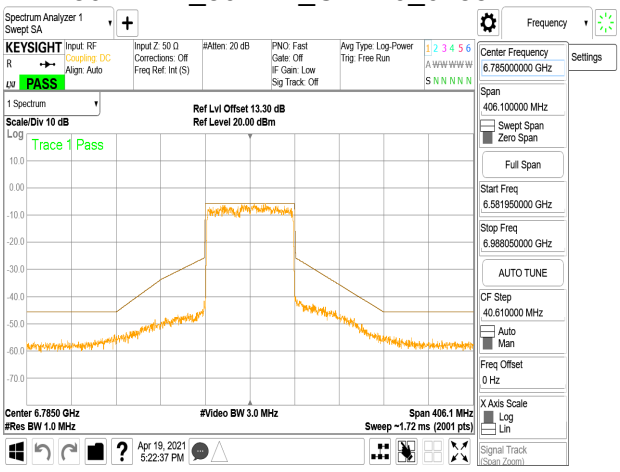
802.11ax_80MHz_Chain0_6705MHz



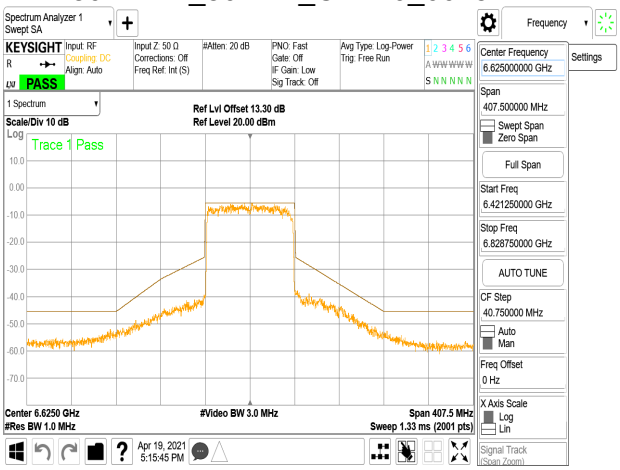
802.11ax_80MHz_Chain0_6465MHz



802.11ax_80MHz_Chain0_6785MHz



802.11ax_80MHz_Chain0_6625MHz



802.11ax_80MHz_Chain0_6945MHz