

Chain 2:



802.11a-5500M



802.11a-5580M



802.11a-5700M



802.11ax-HT20 5500M



802.11ax-HT20 5580M



802.11ax-HT20 5700M

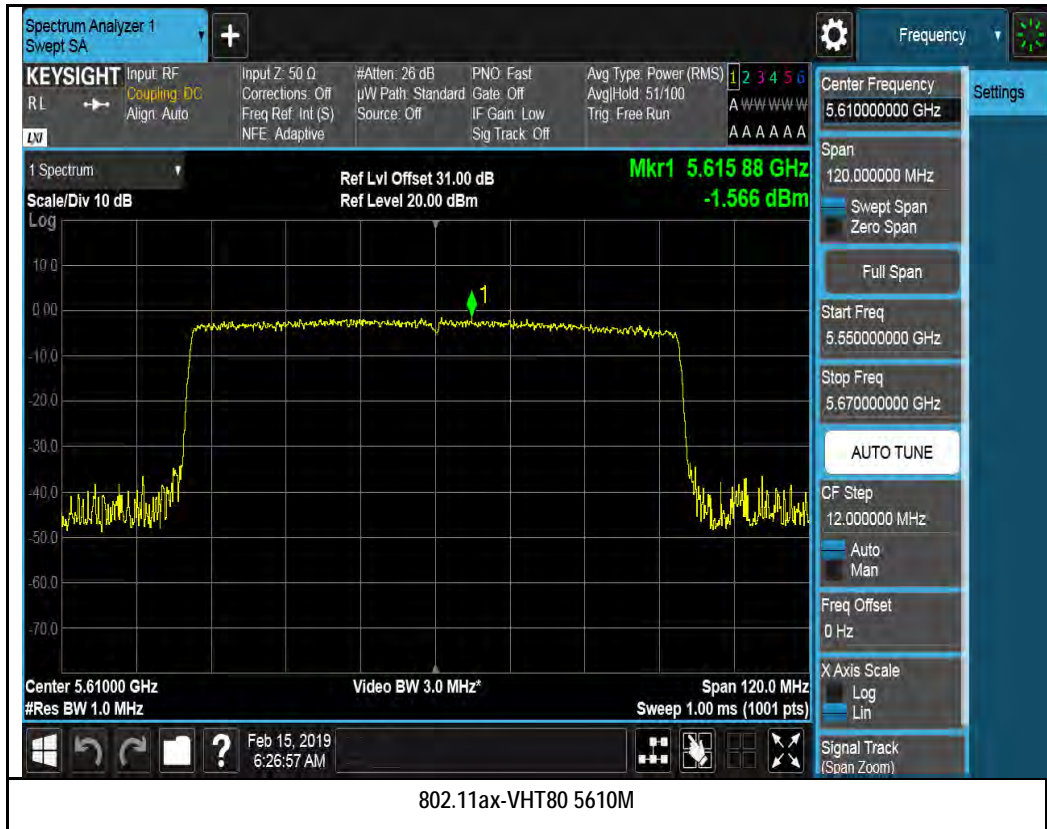




802.11ax-HT40 5670M



802.11ax-VHT80 5610M



Chain 3:



802.11a-5500M



802.11a-5580M







802.11ax-HT20 5580M



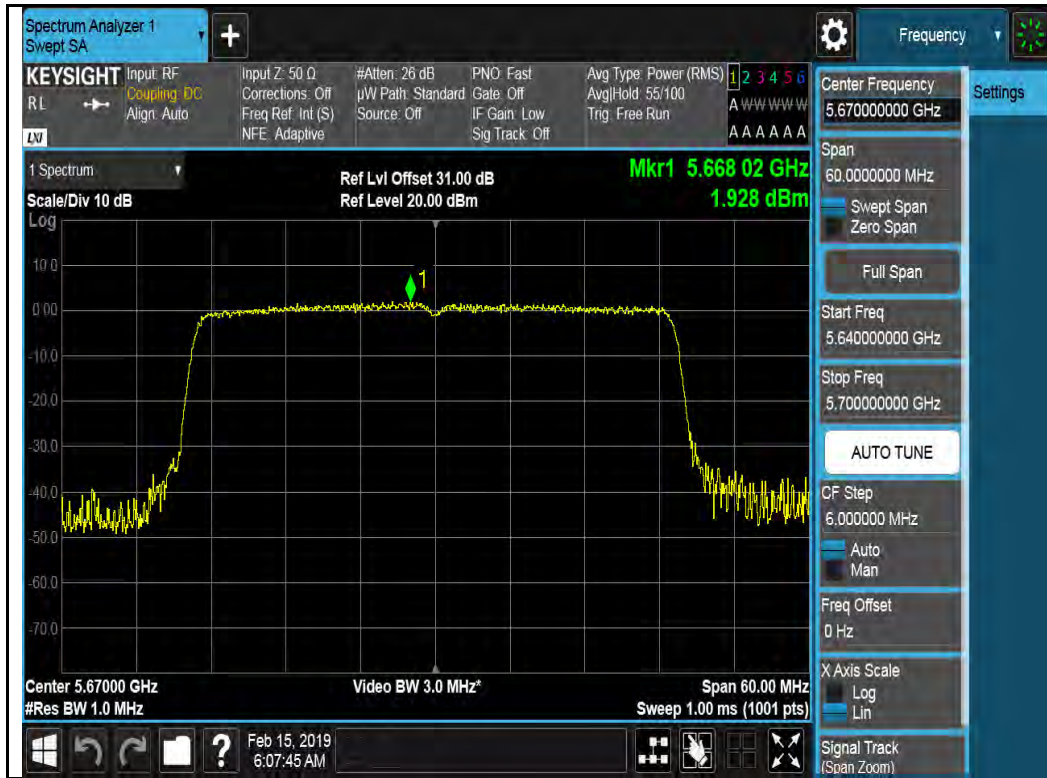
802.11ax-HT20 5700M



802.11ax-HT40 5510M



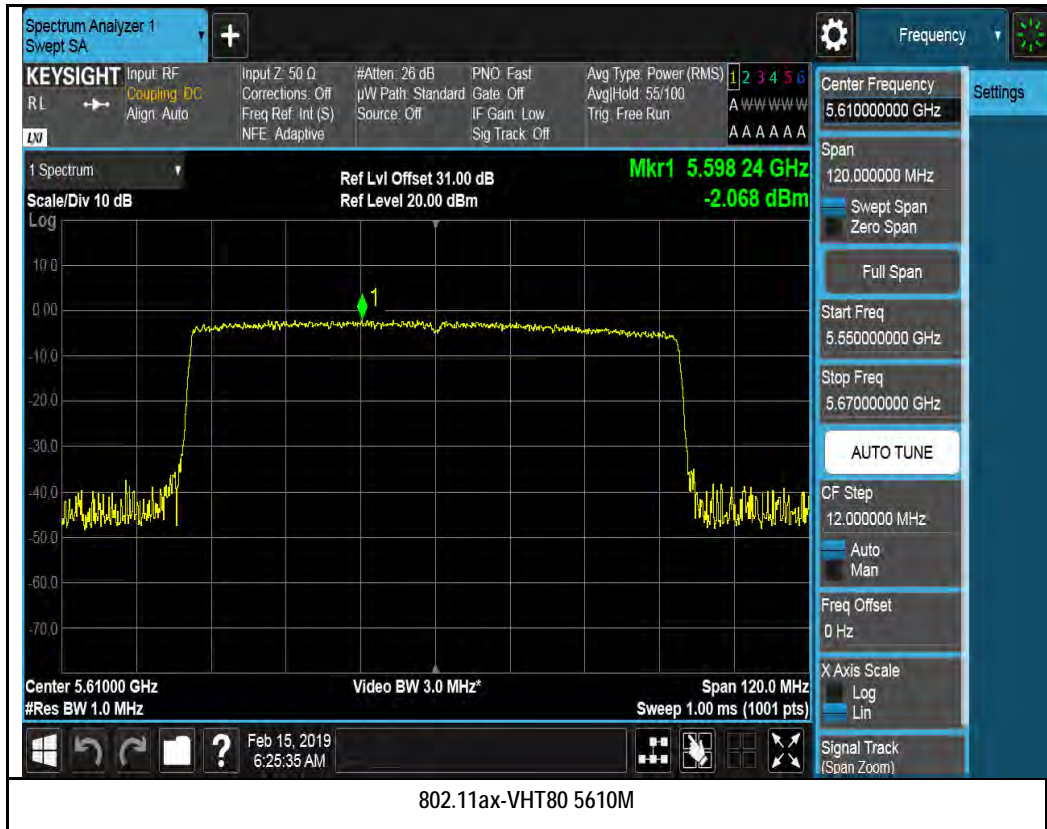
802.11ax-HT40 5550M



802.11ax-HT40 5670M



802.11ax-VHT80 5530M



Test Plot for Crossband in U-NII 2C:

Chain 0:



802.11a-5720M



802.11ax-HT20 5720M



802.11ax-HT40 5710M



802.11ax-VHT80 5690M

Chain 1:



802.11a-5720M



802.11ax-HT20 5720M



802.11ax-HT40 5710M



802.11ax-VHT80 5690M



Chain 2:



802.11a-5720M



802.11ax-HT20 5720M



802.11ax-HT40 5710M



802.11ax-VHT80 5690M

Chain 3:





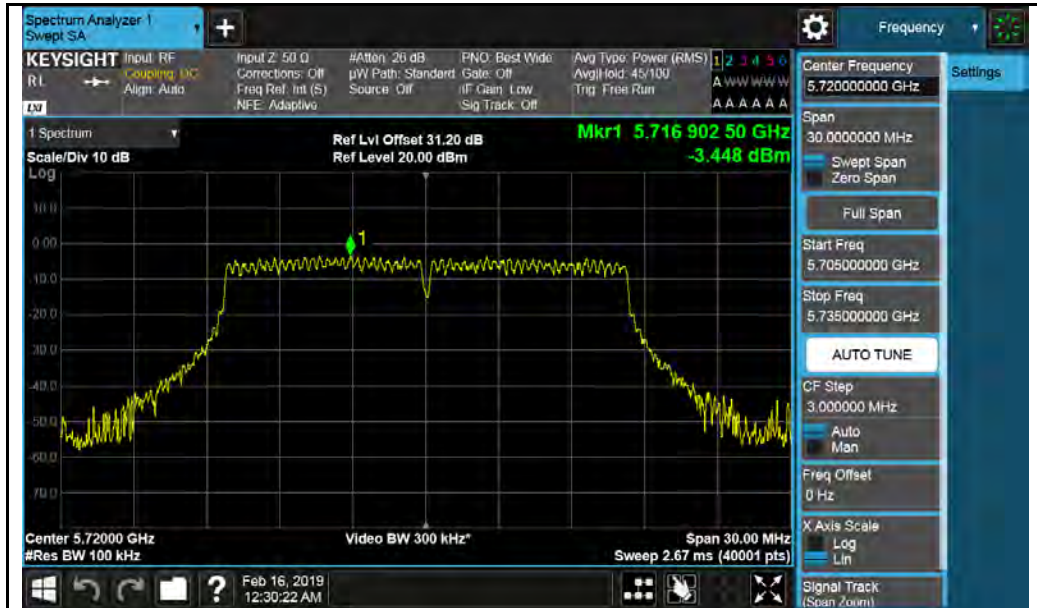
802.11ax-HT40 5710M



802.11ax-VHT80 5690M

Test Plot for Crossband in U-NII 3C :

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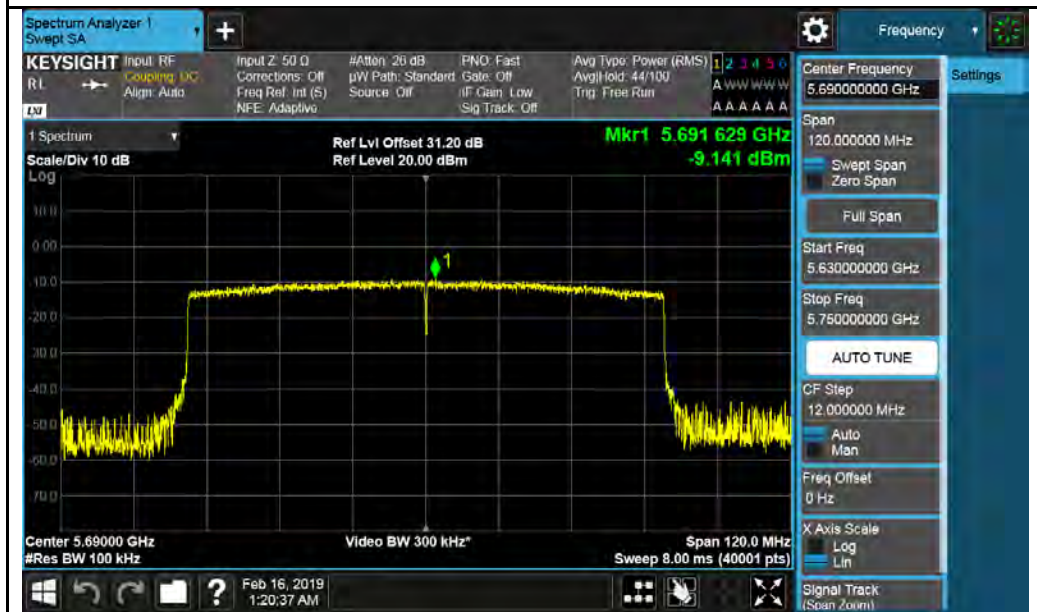
802.11a-5720M



802.11ax-HT20 5720M

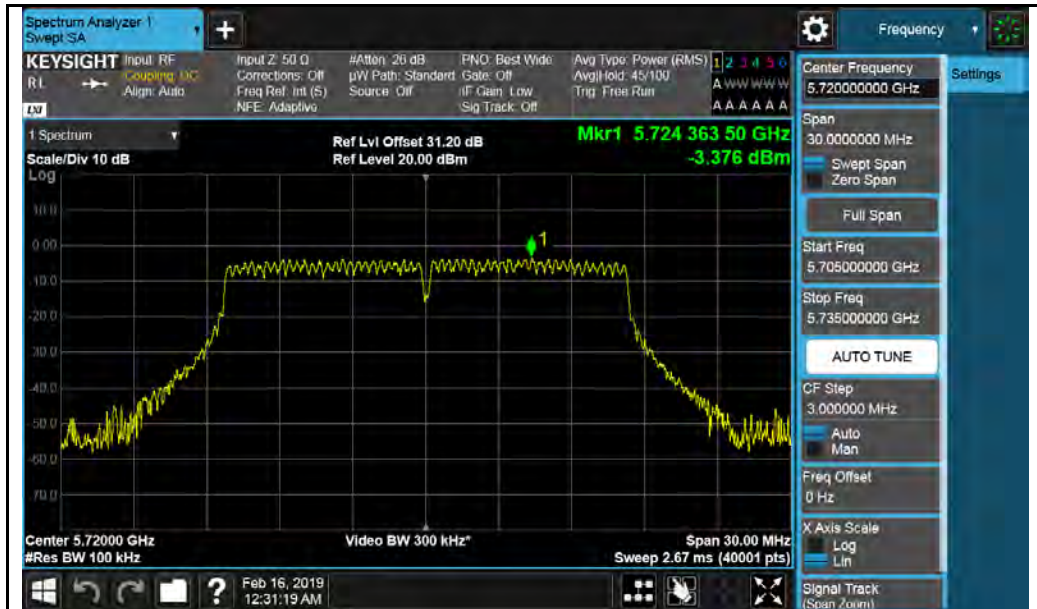


802.11ax-HT40 5710M



802.11ax-VHT80 5690M

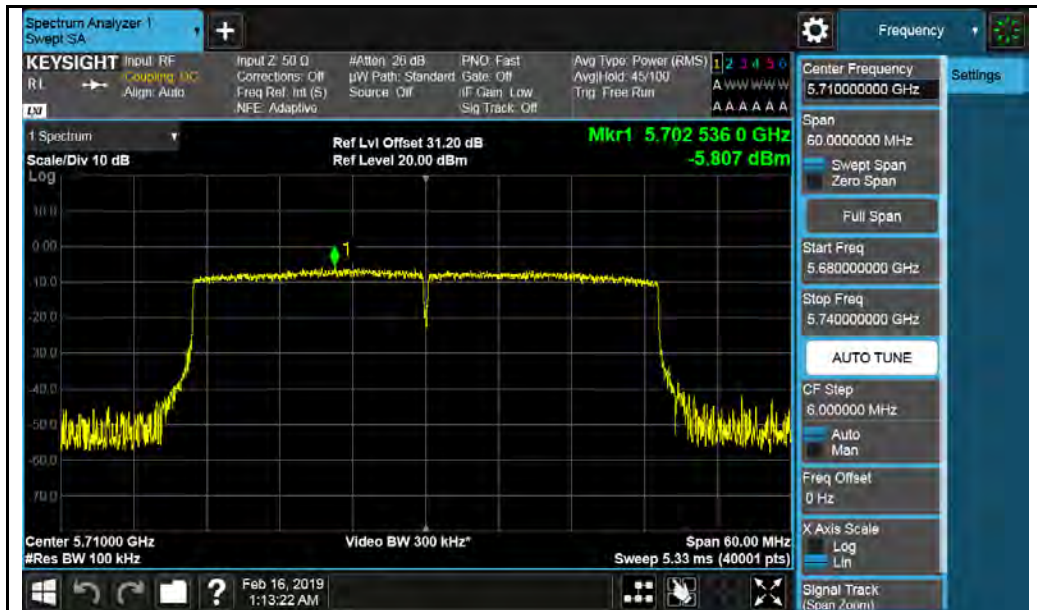
Chain 1:



802.11a-5720M



802.11ax-HT20 5720M



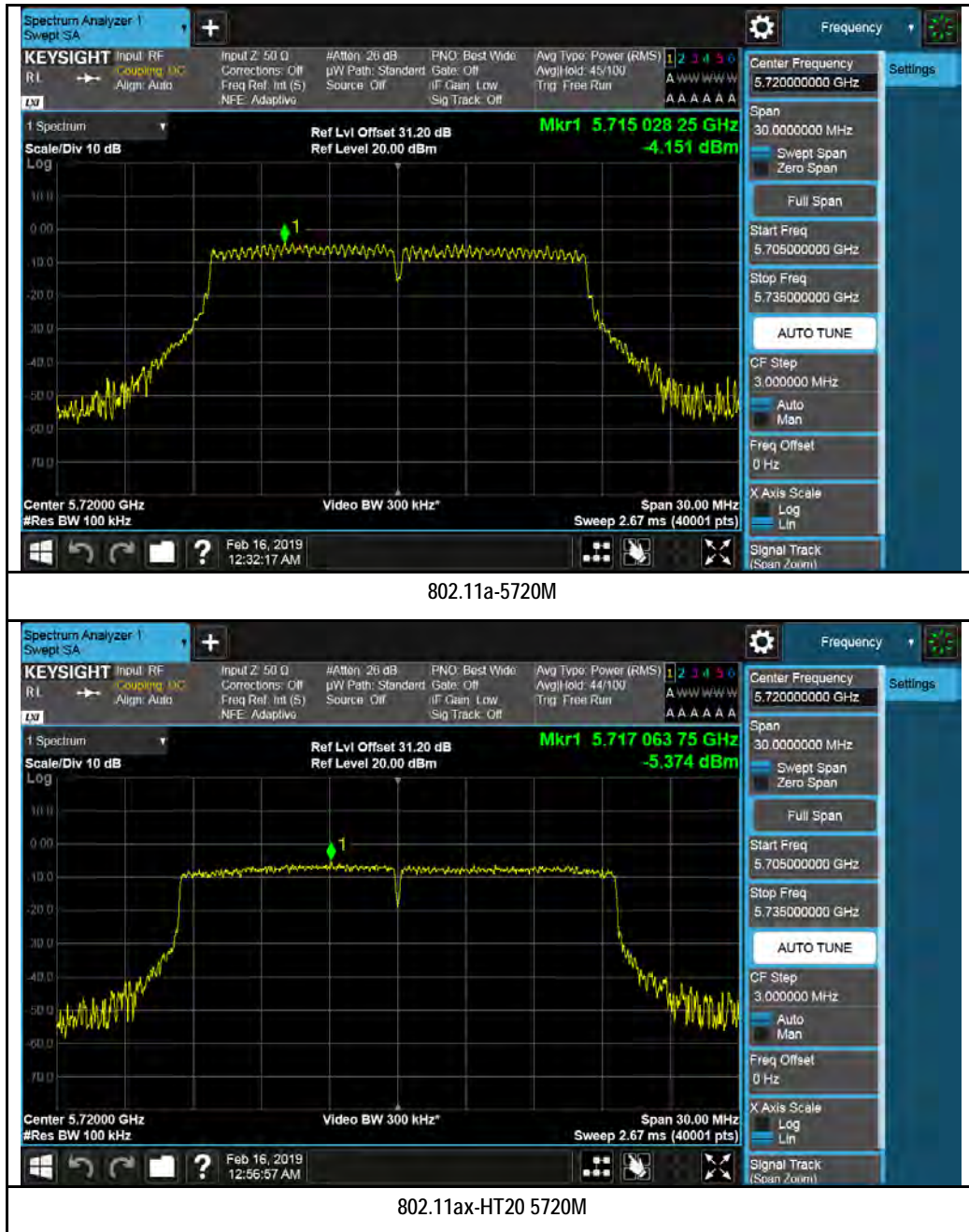
802.11ax-HT40 5710M

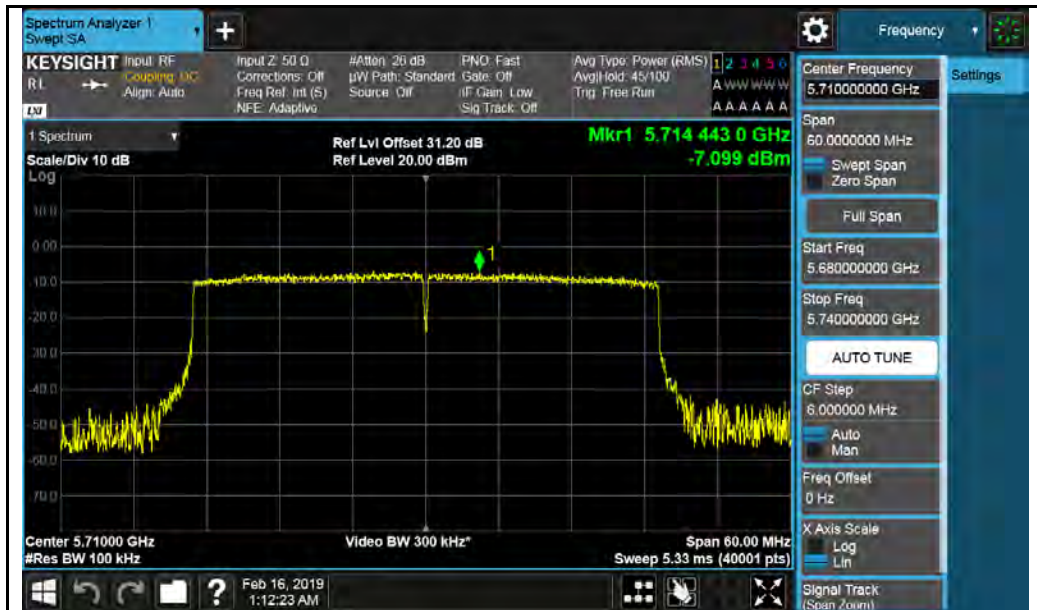


802.11ax-VHT80 5690M

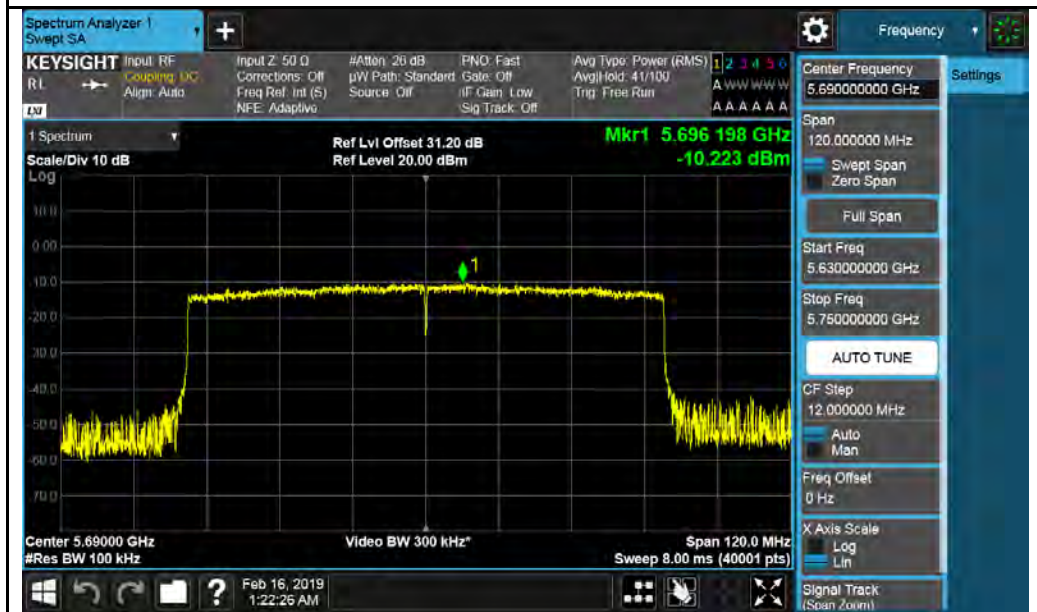


Chain 2:





802.11ax-HT40 5710M



802.11ax-VHT80 5690M

Chain 3:





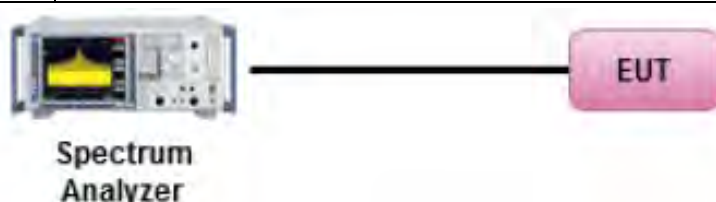
802.11ax-HT40 5710M



802.11ax-VHT80 5690M

## 10.6 Band Edge Measurement

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR§ 15.407(b)(2), 15.407(b)(6)	(1)	For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input type="checkbox"/>
	(2)	For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.	<input checked="" type="checkbox"/>
	(3)	For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(4)	For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.	<input type="checkbox"/>
RSS 247	6.2.2	For the band 5250-5350 MHz; a) All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.; or b) All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. and its power shall comply with the spectral power density for operation within the band 5150-5250MHz. The device, except devices installed in vehicles, shall be labelled or include in the user manual the following text "for indoor use only."	<input checked="" type="checkbox"/>
	6.2.3.2	Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p. at 5850 MHz instead of 5725 MHz.	<input checked="" type="checkbox"/>
Test Setup			
Procedure	<p>789033 D02 General U-NII Test Procedures New Rules v02r01, II.F. Method SA-1</p> <p><u>Band Edge measurement:</u></p> <ul style="list-style-type: none"> <li>- For average emissions measurements, follow the procedures described in section II.G.6., "Procedures for Average Unwanted Emissions Measurements above 1000 MHz", except for the following changes:</li> <li>- Set RBW=100kHz</li> <li>- Set VBW=300kHz</li> <li>- Perform a band-power integration across the 1 MHz bandwidth in which the band-edge emission level is to be measured.</li> </ul>		
Remark	Antenna gain was added to the offset.		
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

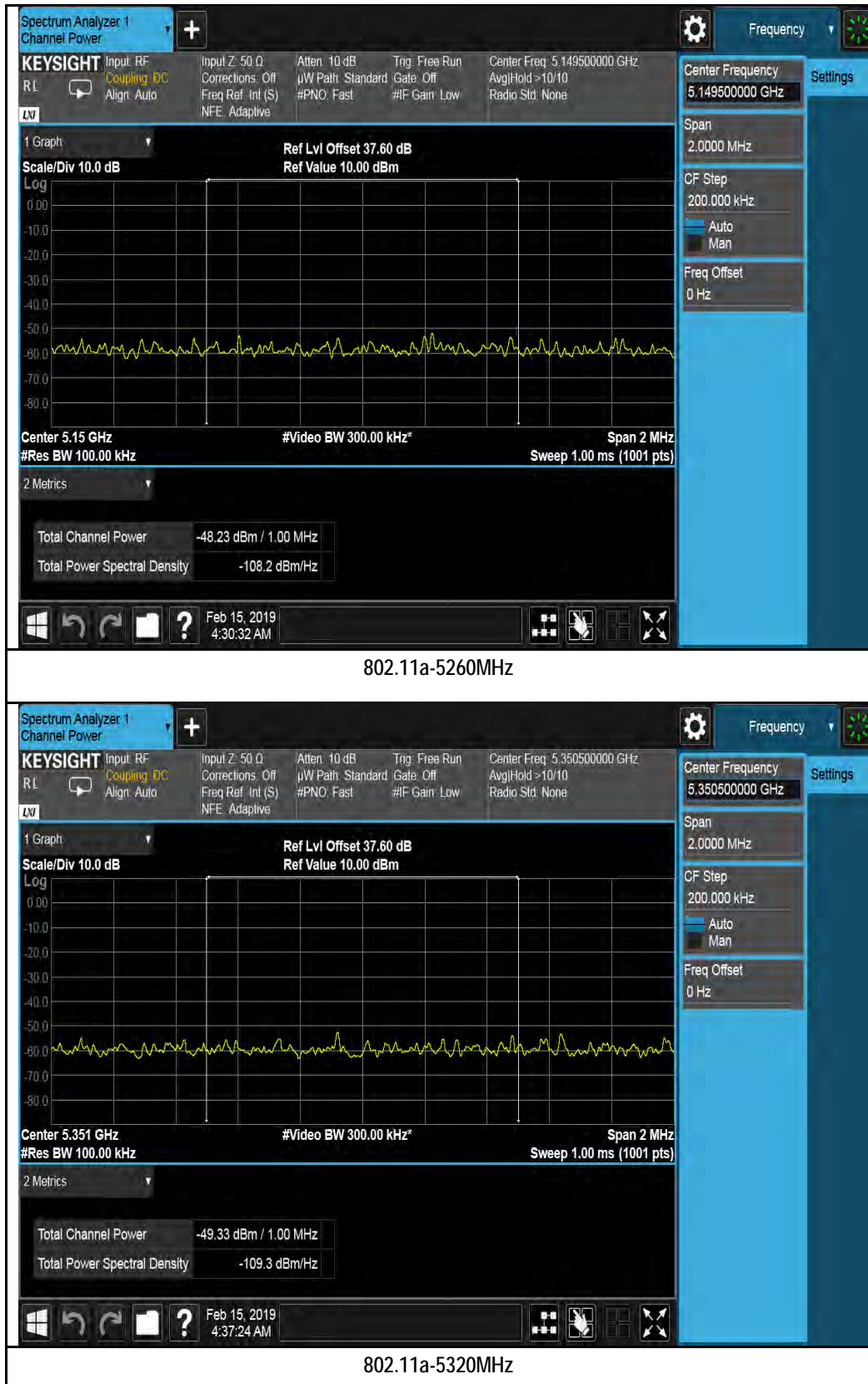
Test Data  Yes (See below)       N/A

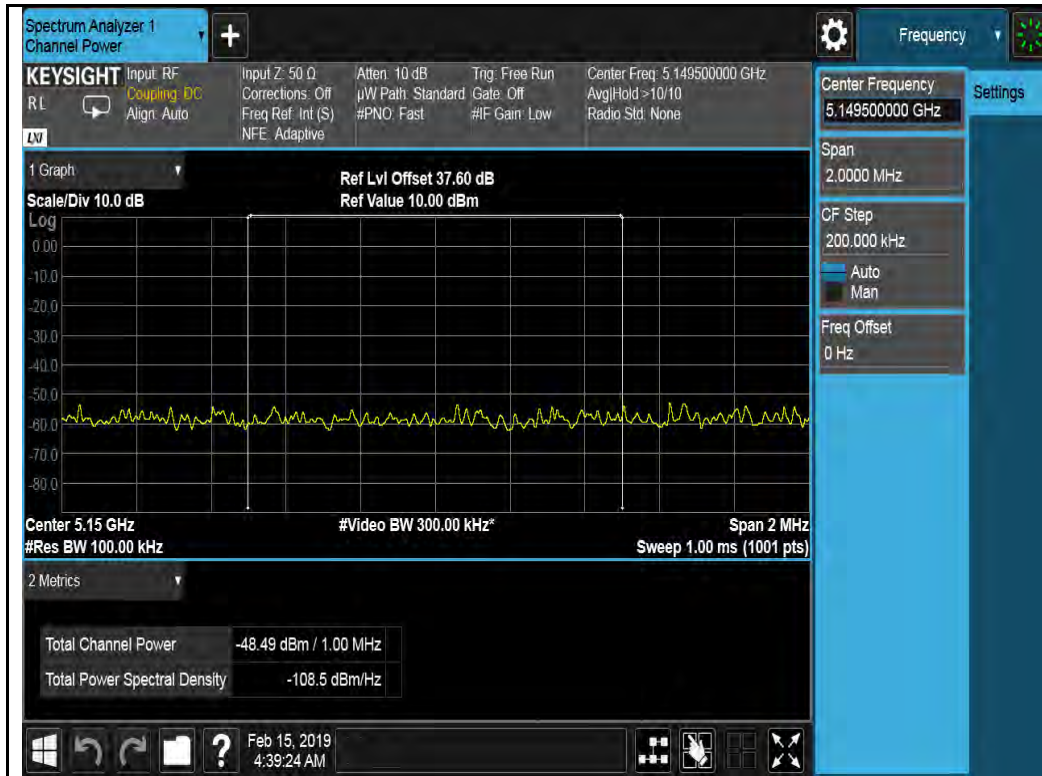
Test Plot  Yes (See below)       N/A

Test was done by Deon Dai at RF test site.

Test Plots for U-NII-2A:

Chain 0:





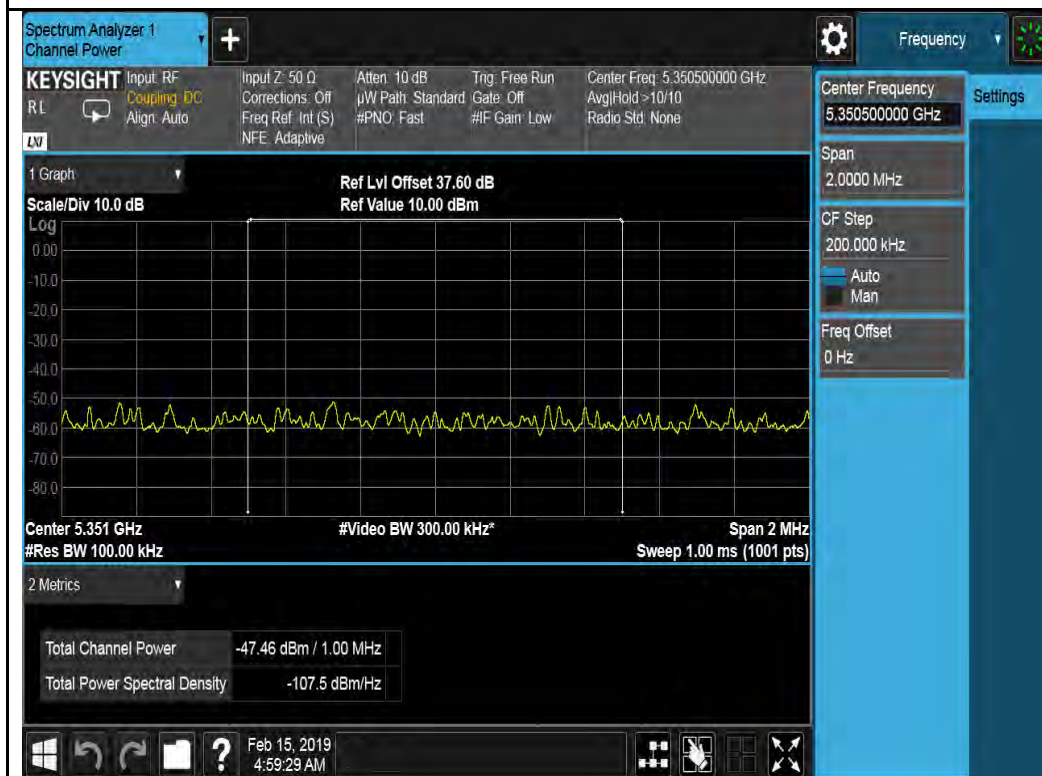
802.11ax-HT20-5260MHz



802.11ax-HT20-5320MHz



802.11ax-HT40-5270MHz

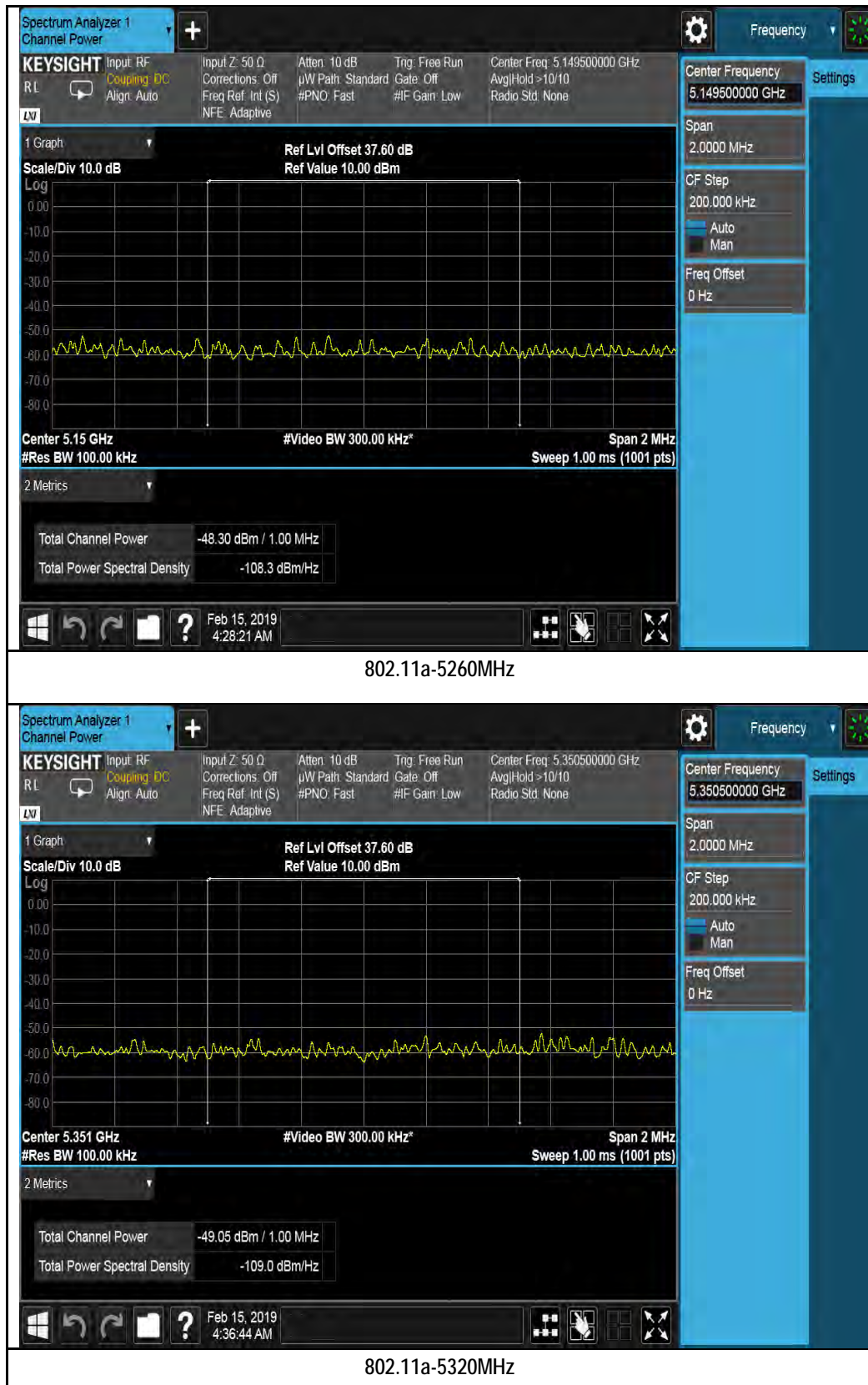


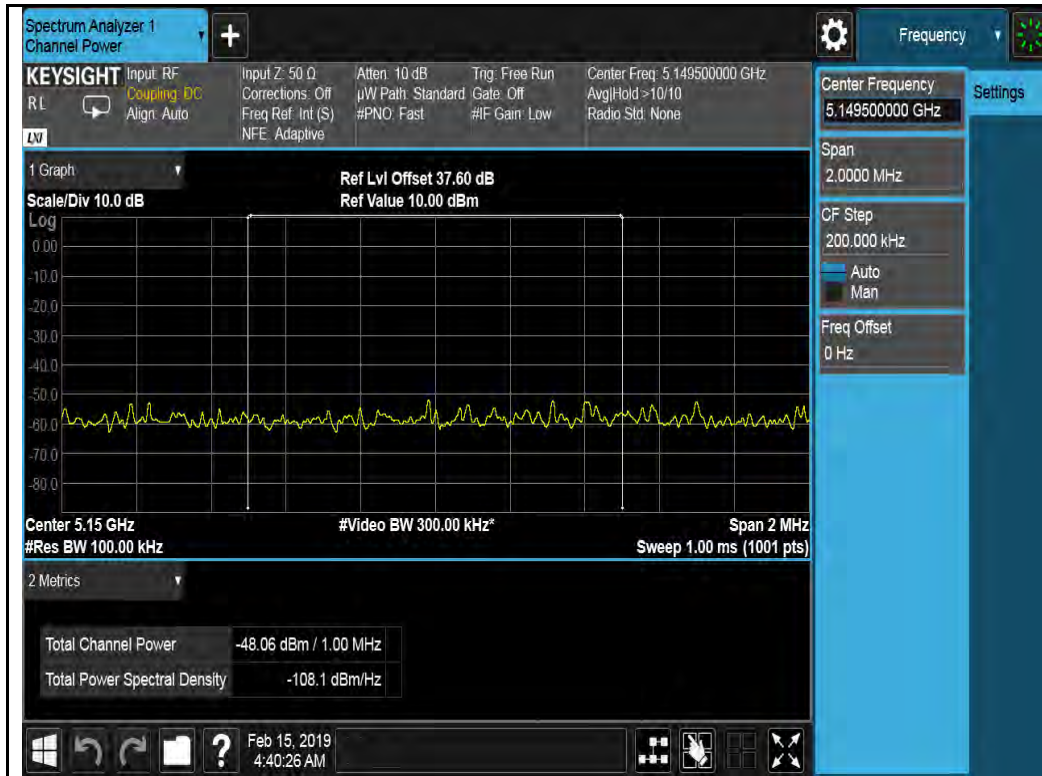
802.11ax-HT40-5310MHz



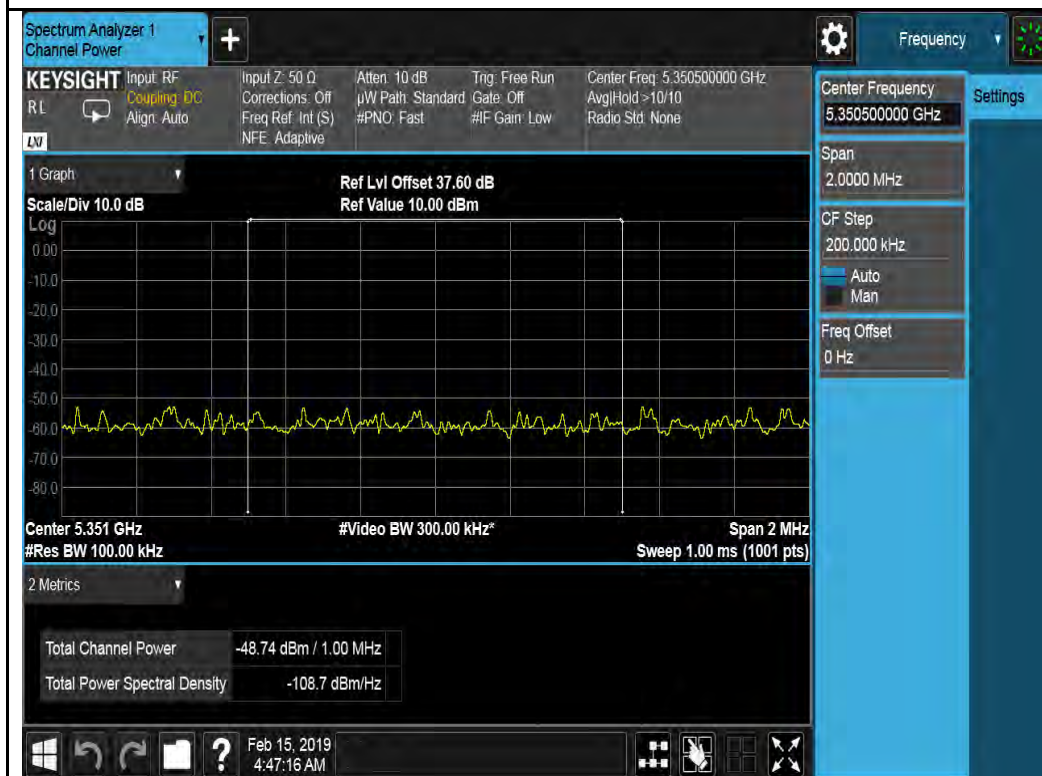


Chain 1:





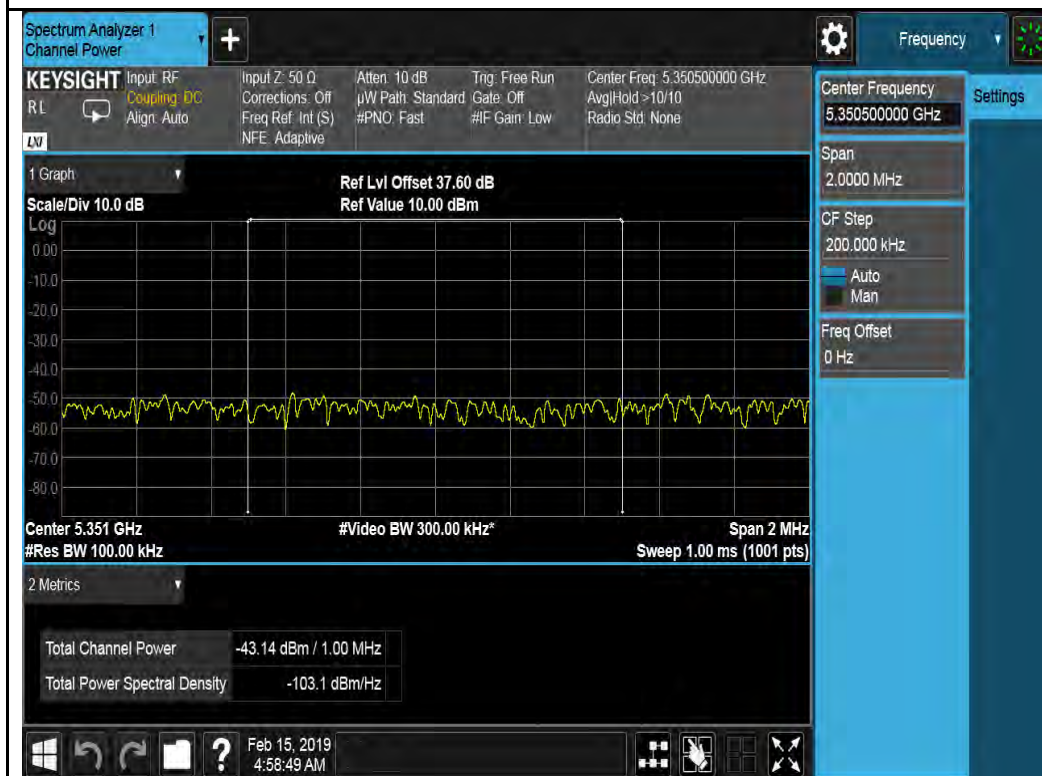
802.11ax-HT20-5260MHz



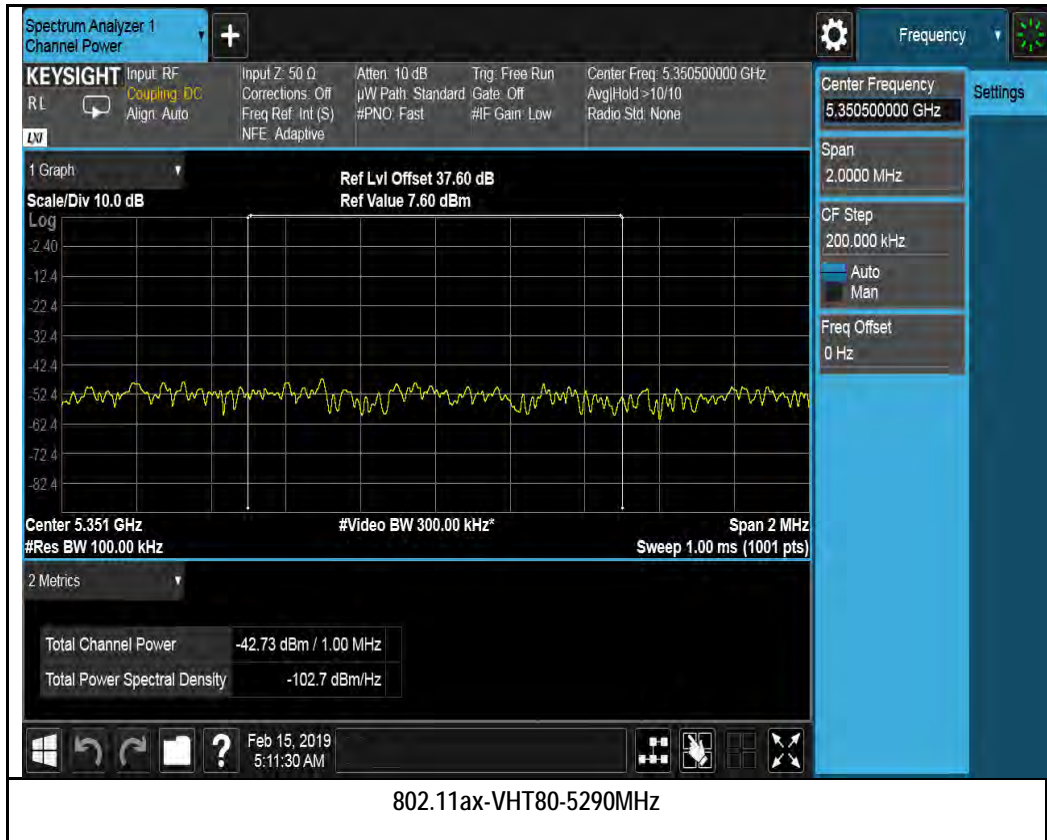
802.11ax-HT20-5320MHz



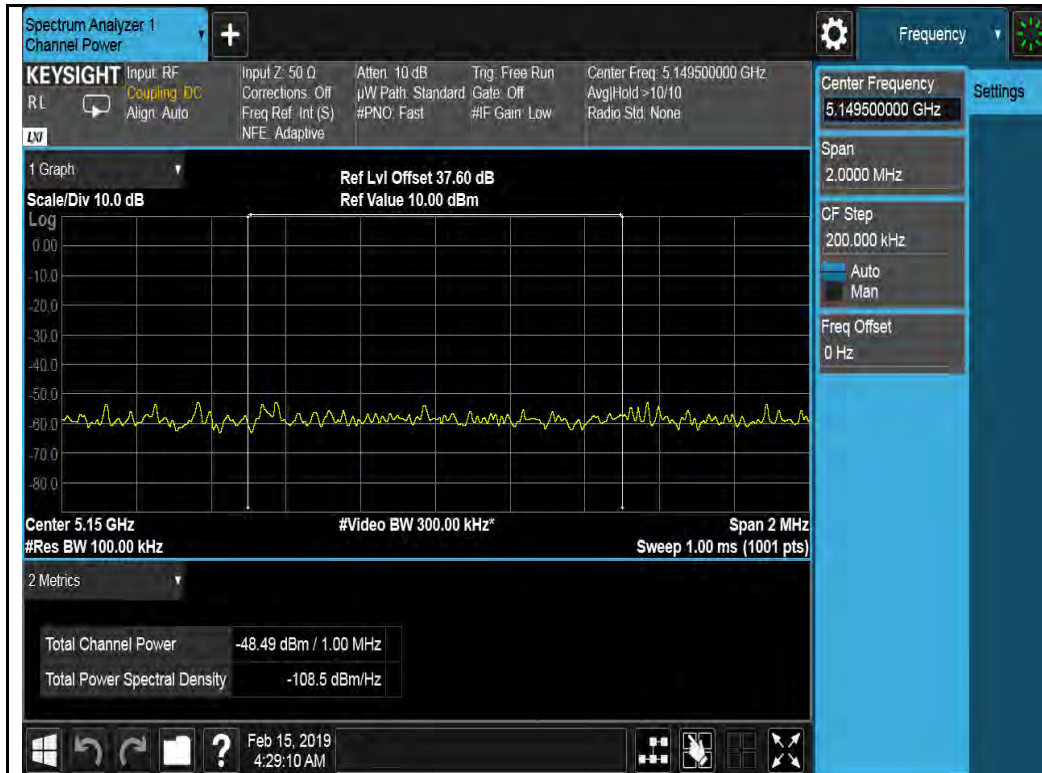
802.11ax-HT40-5270MHz



802.11ax-HT40-5310MHz



Chain 2:



802.11a-5260MHz



802.11a-5320MHz



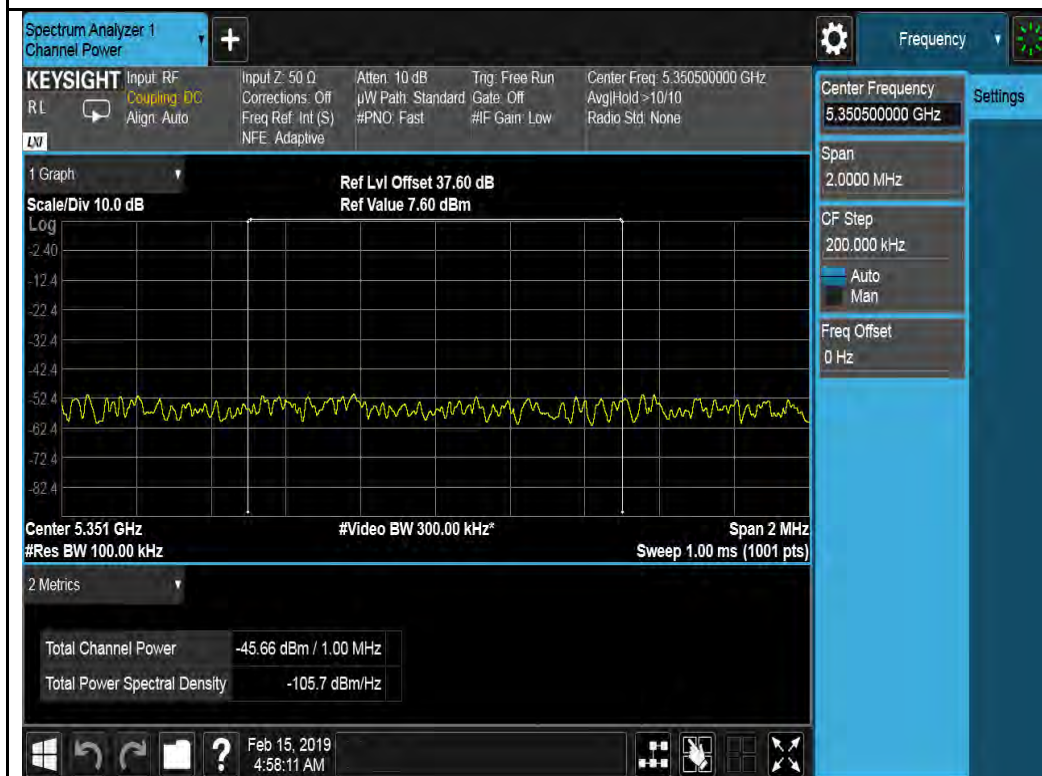
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802.11ax-HT20-5320MHz



802.11ax-HT40-5270MHz

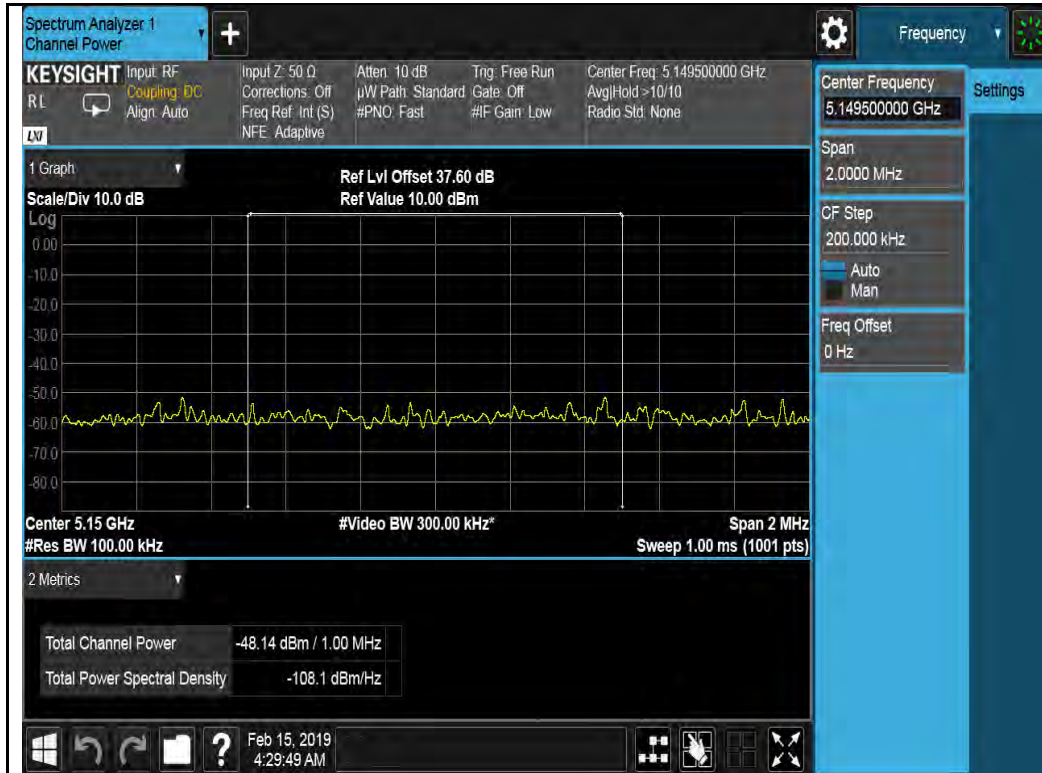


802.11ax-HT40-5310MHz

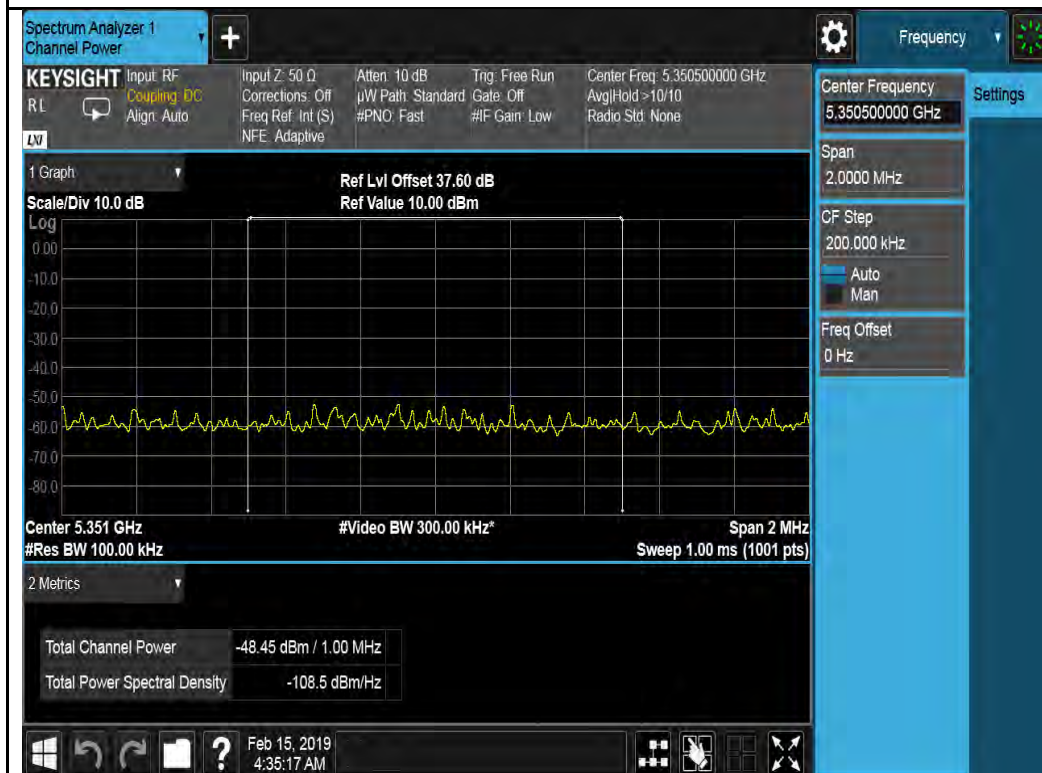




Chain 3:



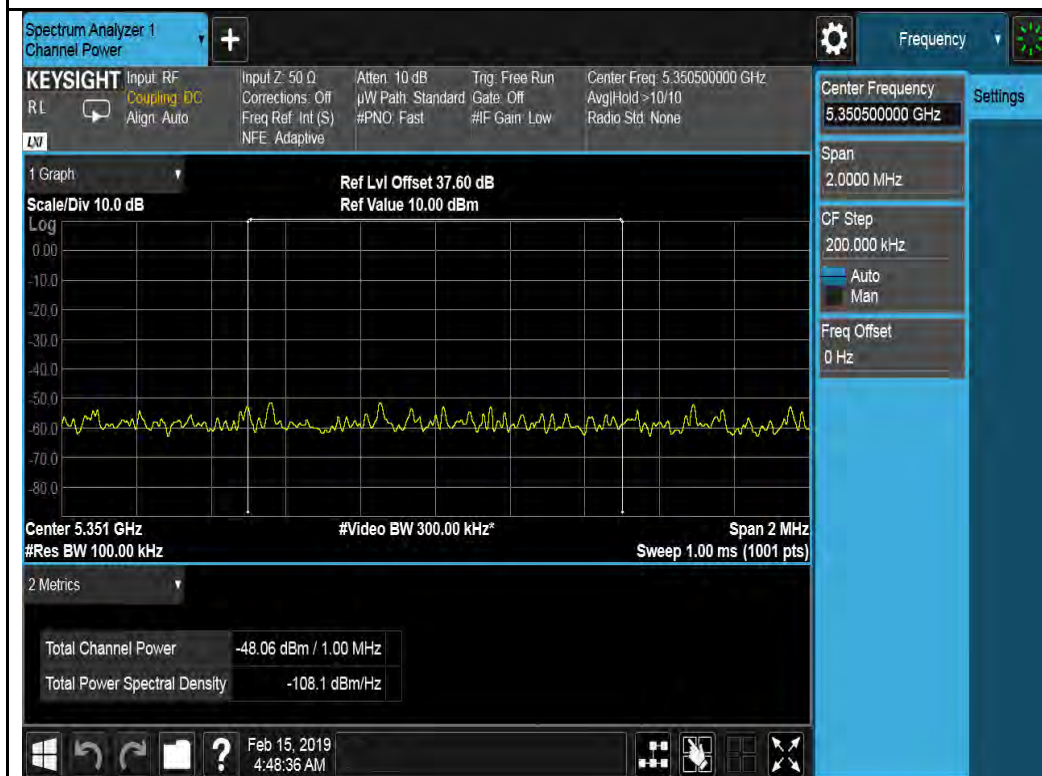
802.11a-5260MHz



802.11a-5320MHz



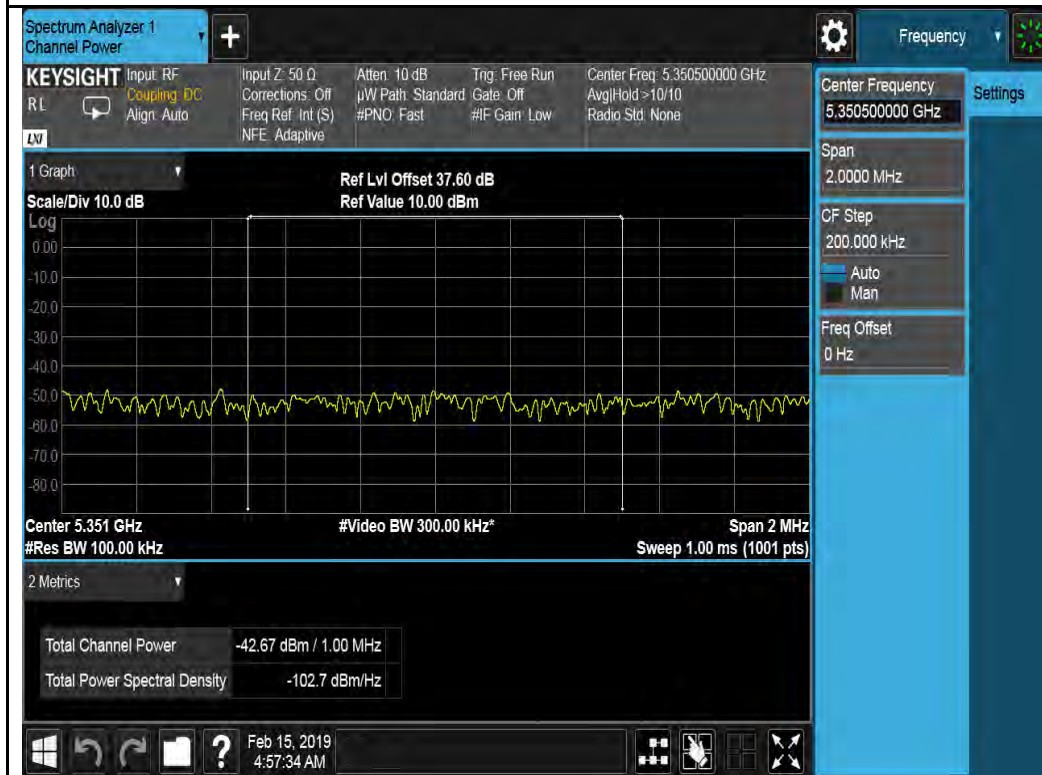
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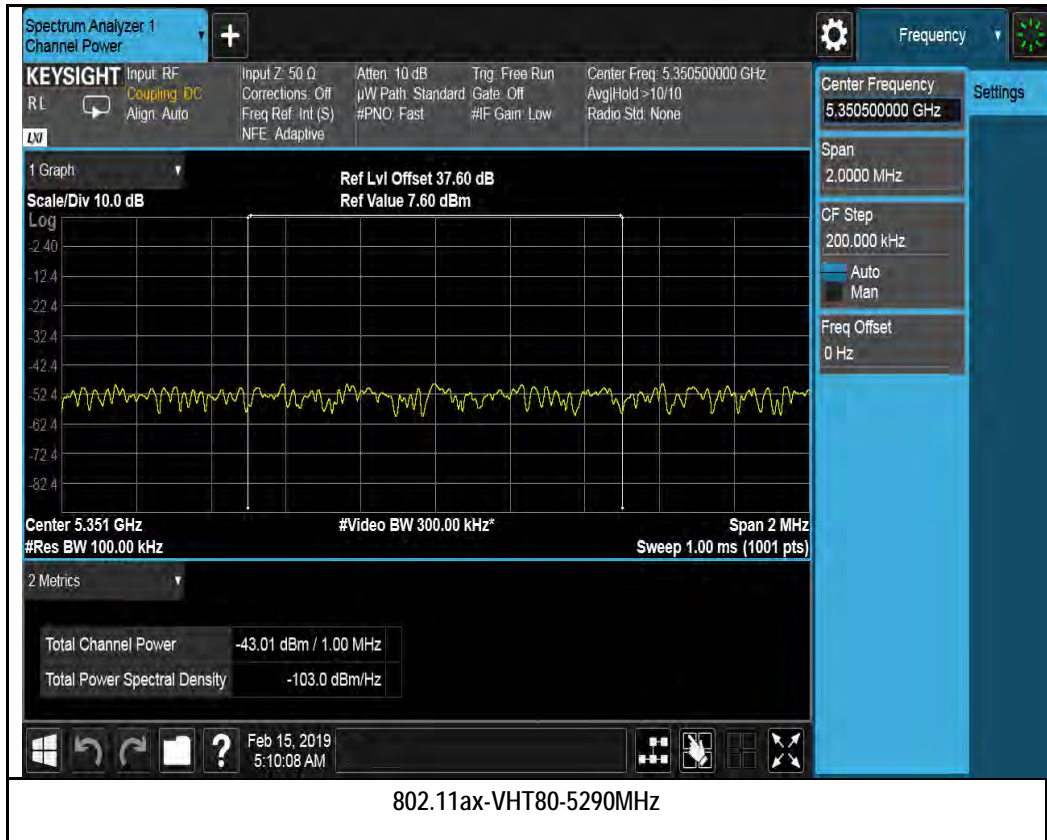
802.11ax-HT20-5320MHz



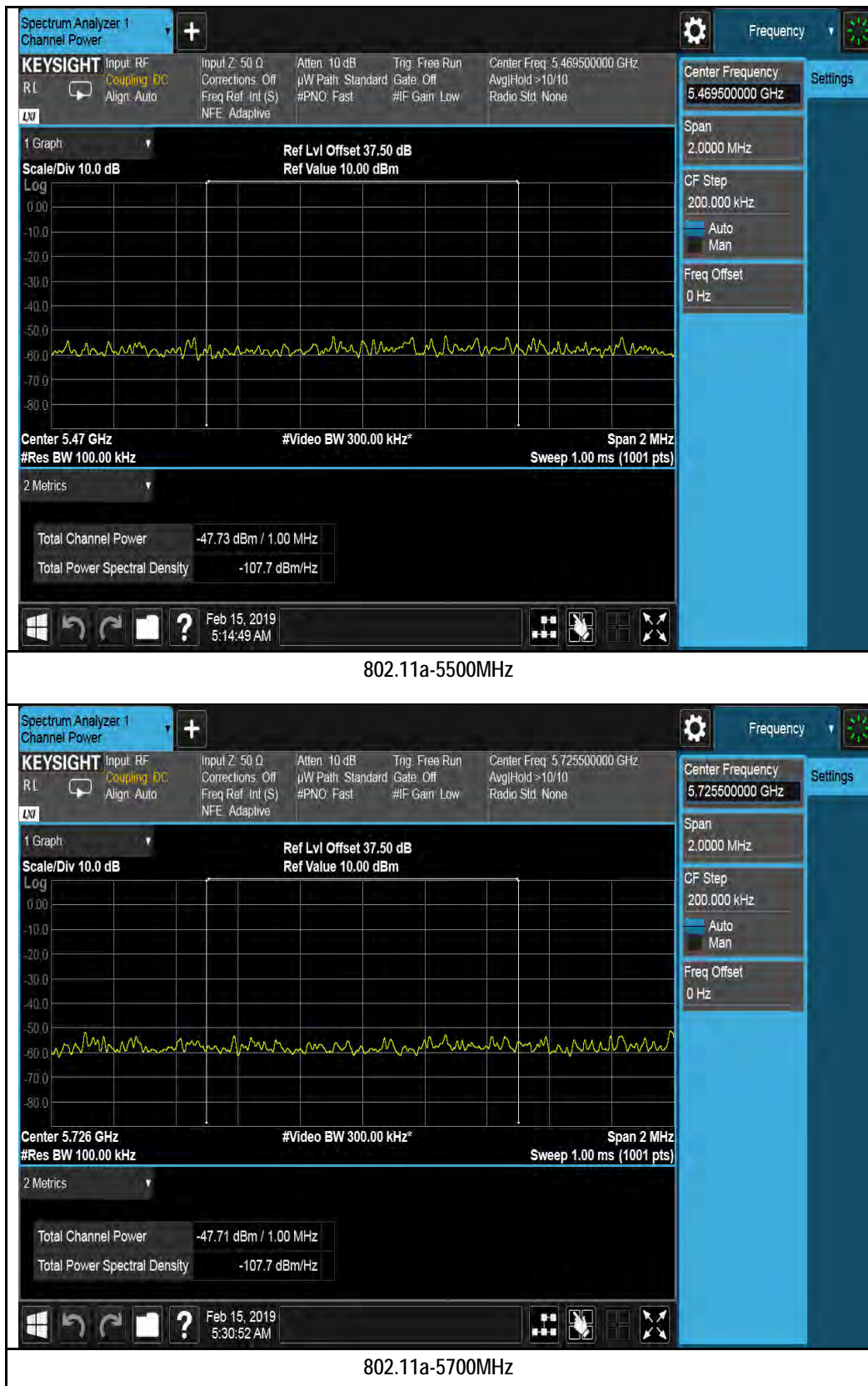
802.11ax-HT40-5270MHz

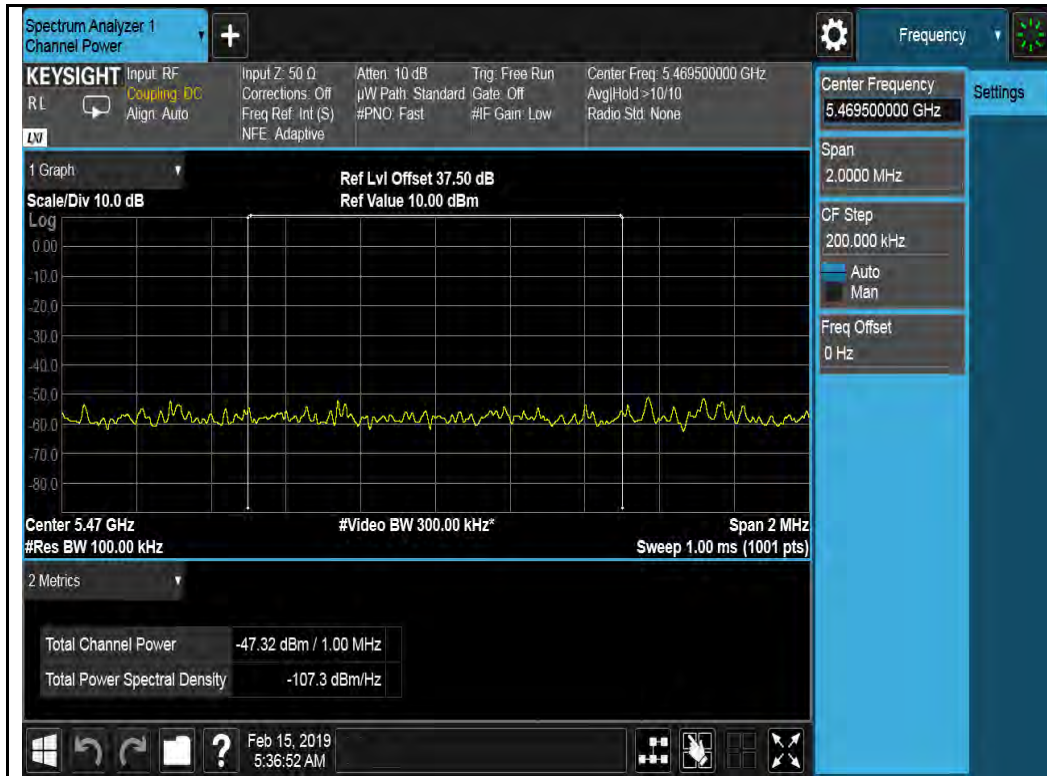


802.11ax-HT40-5310MHz

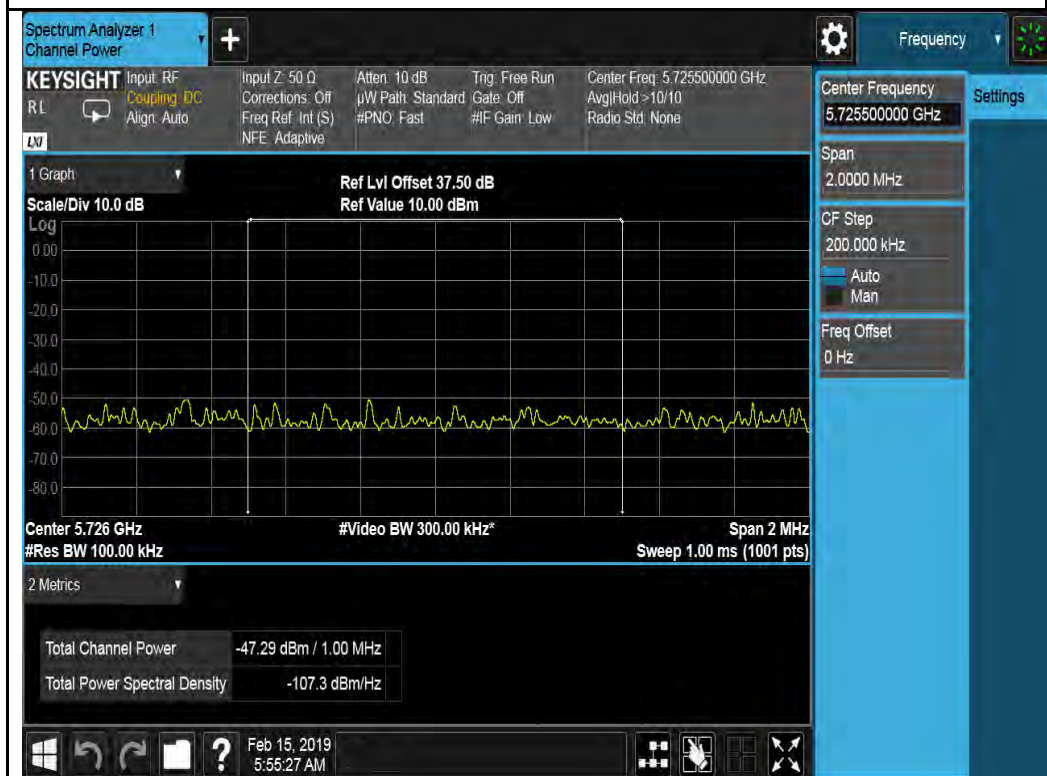


Test Plots for U-NII-2C:  
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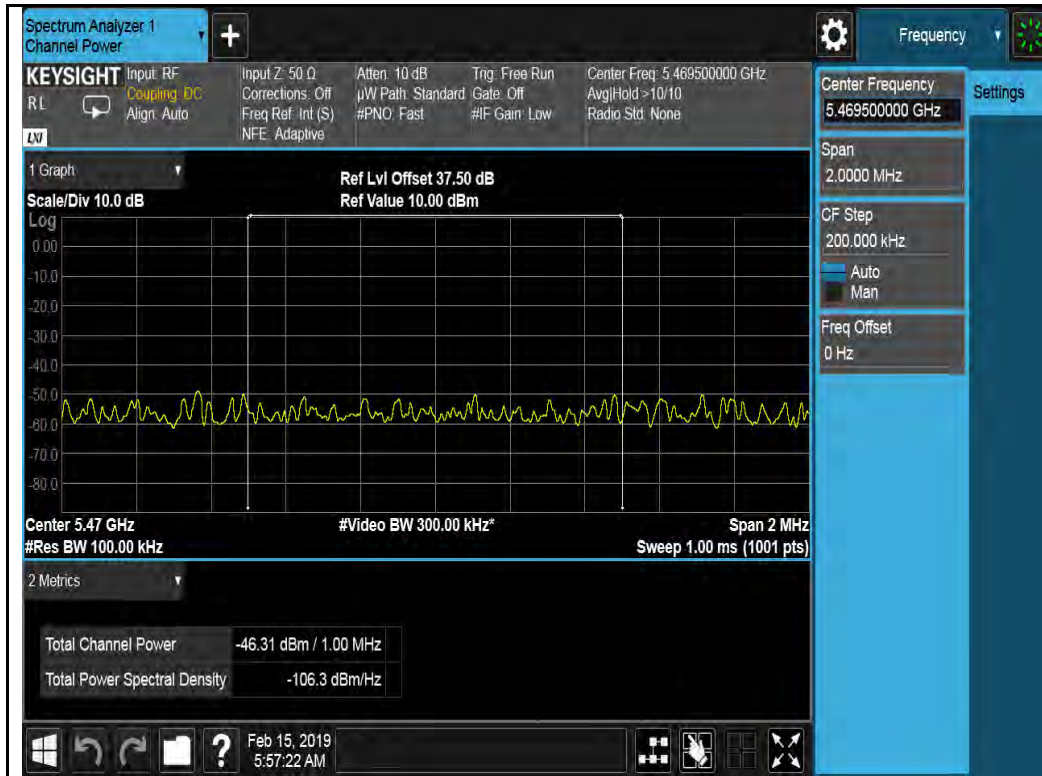




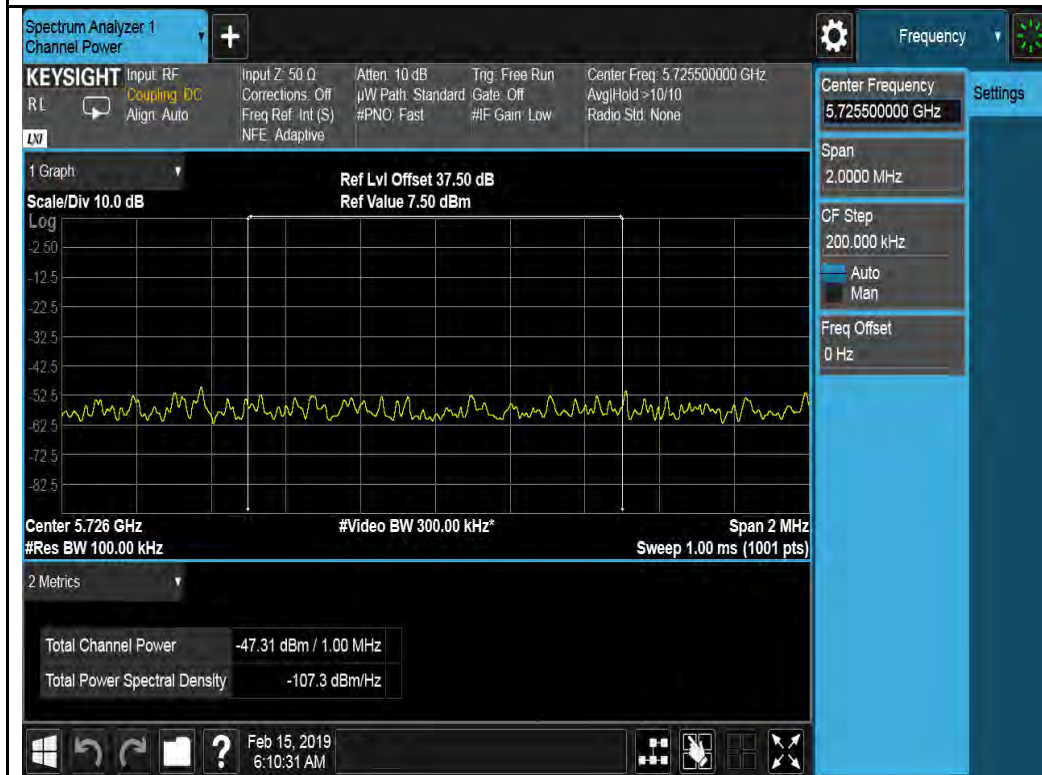
802.11ax-HT20-5500MHz



802.11ax-HT20-5700MHz

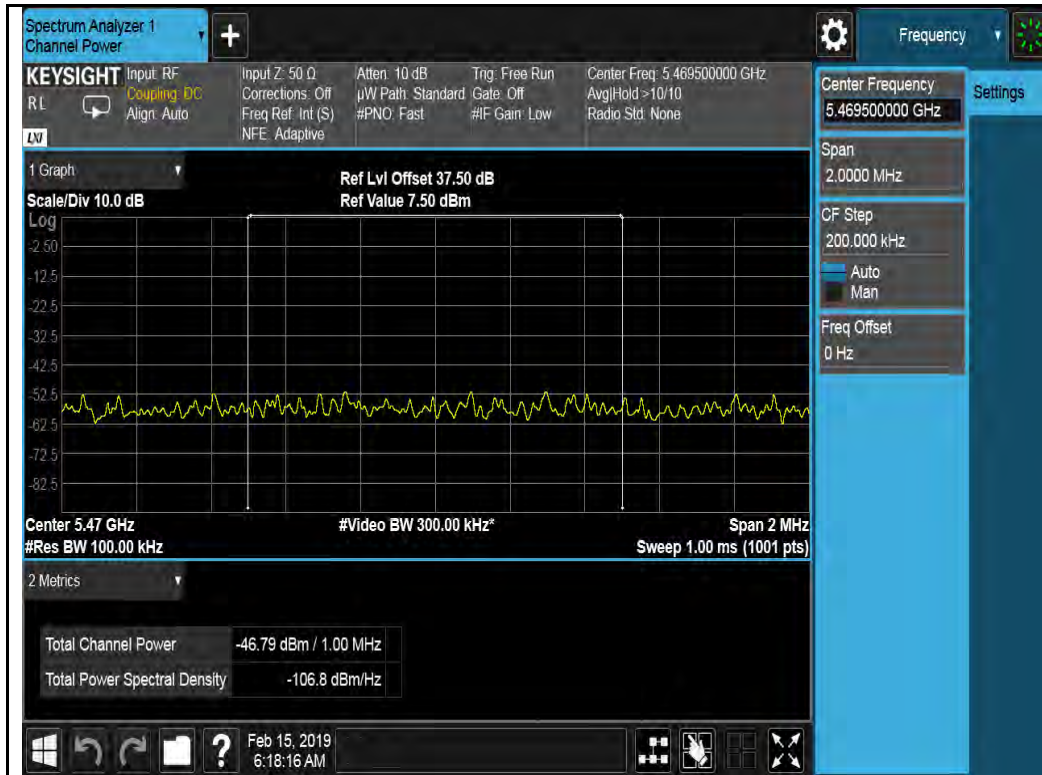


802.11ax-HT40-5510MHz

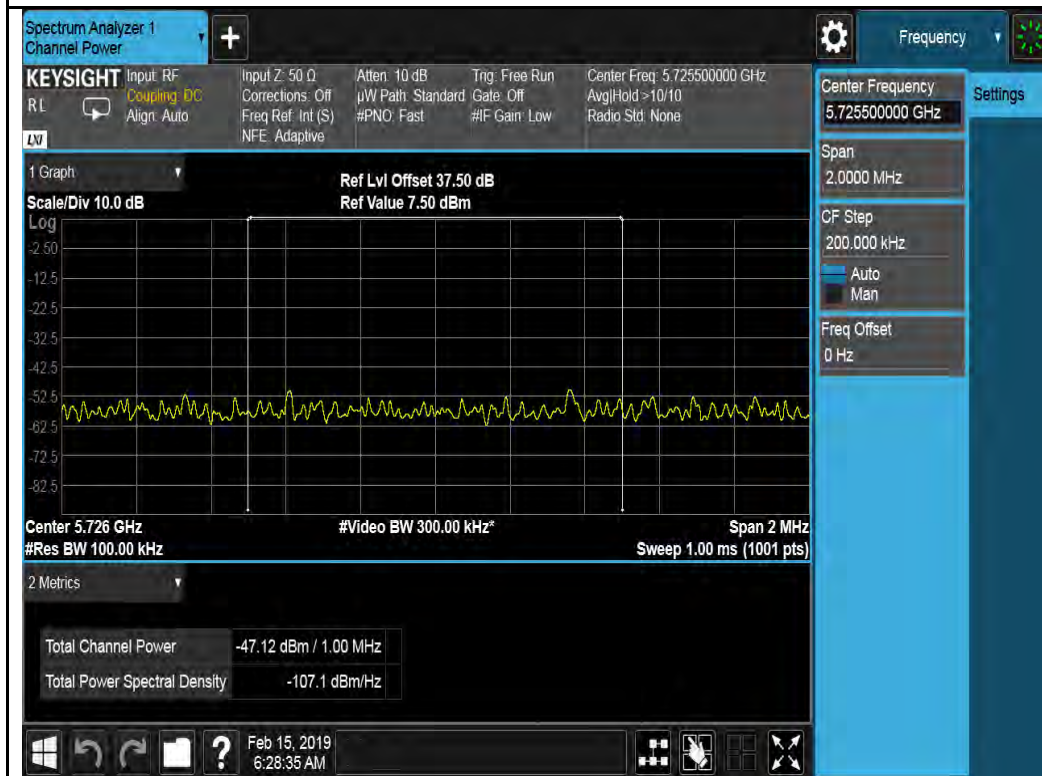


802.11ax-HT40-5670MHz



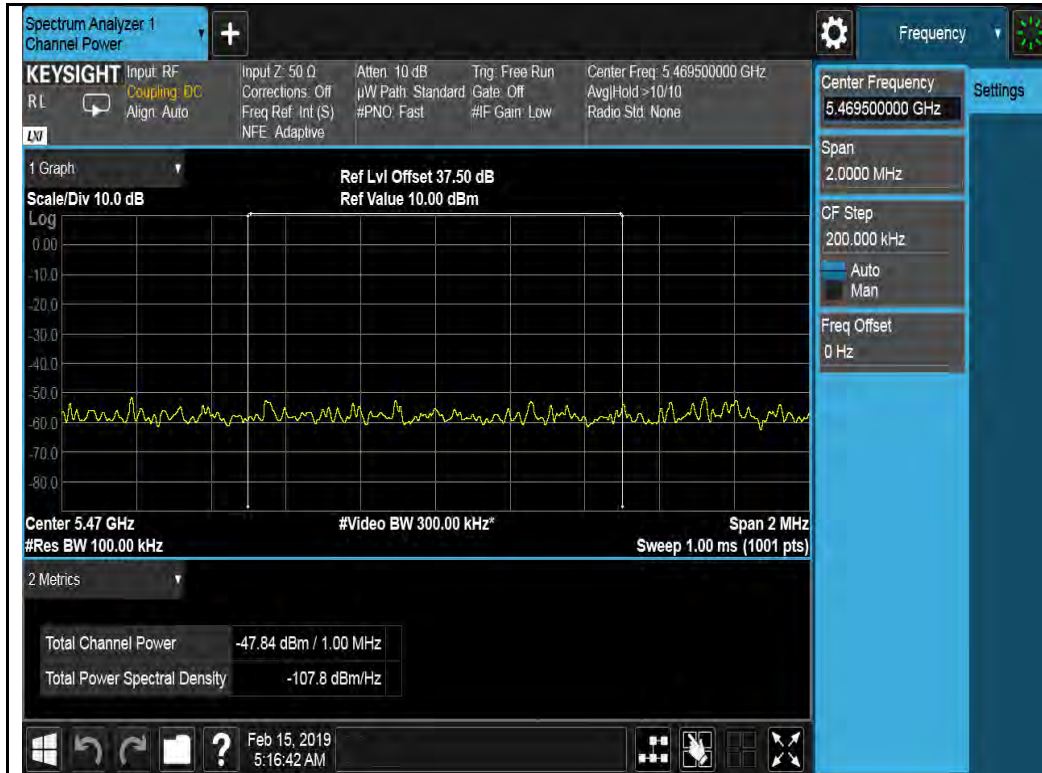


802.11ax-VHT80-5530MHz

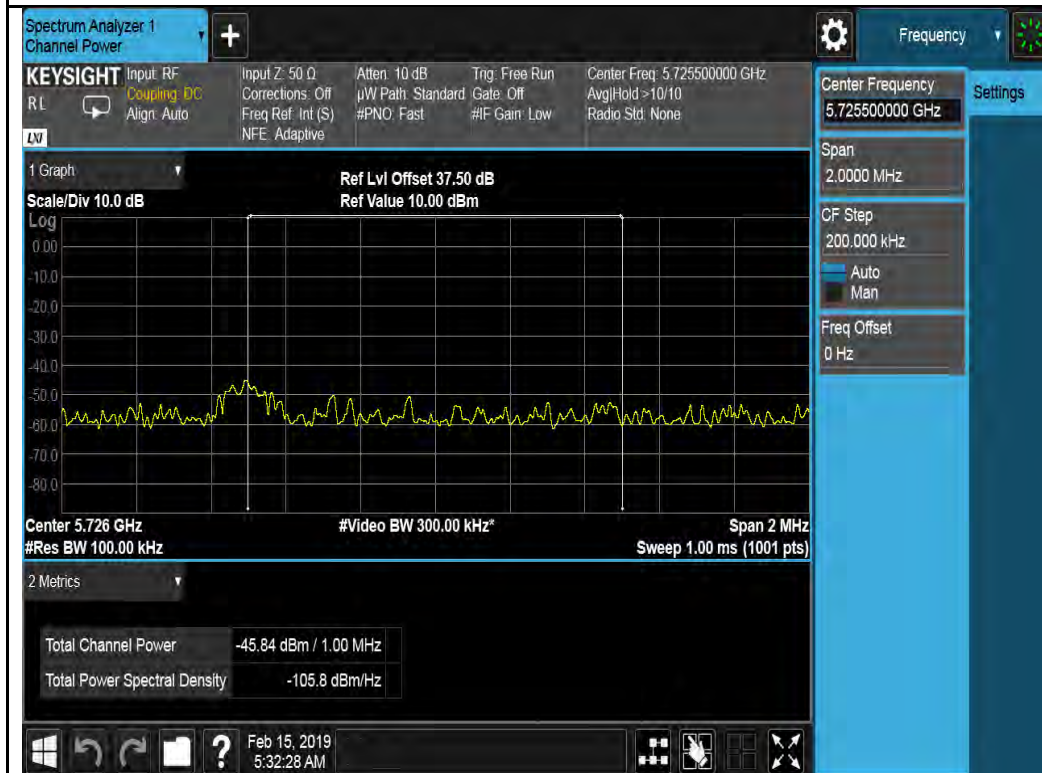


802.11ax-VHT80-5610MHz

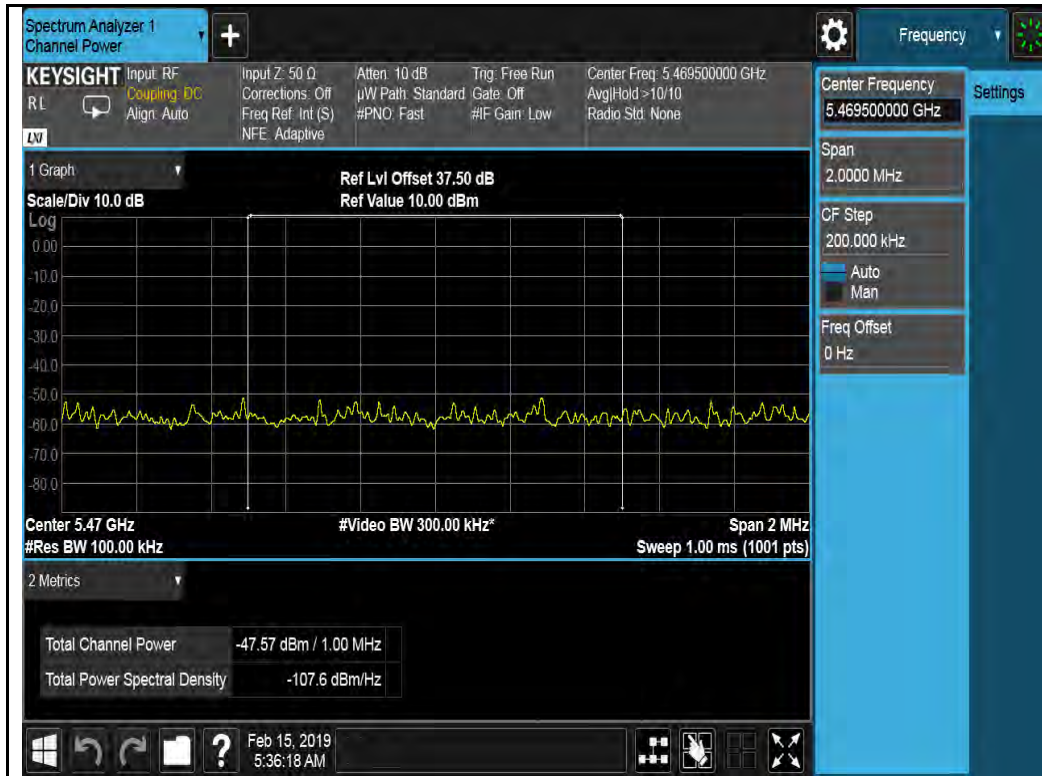
Chain 1:



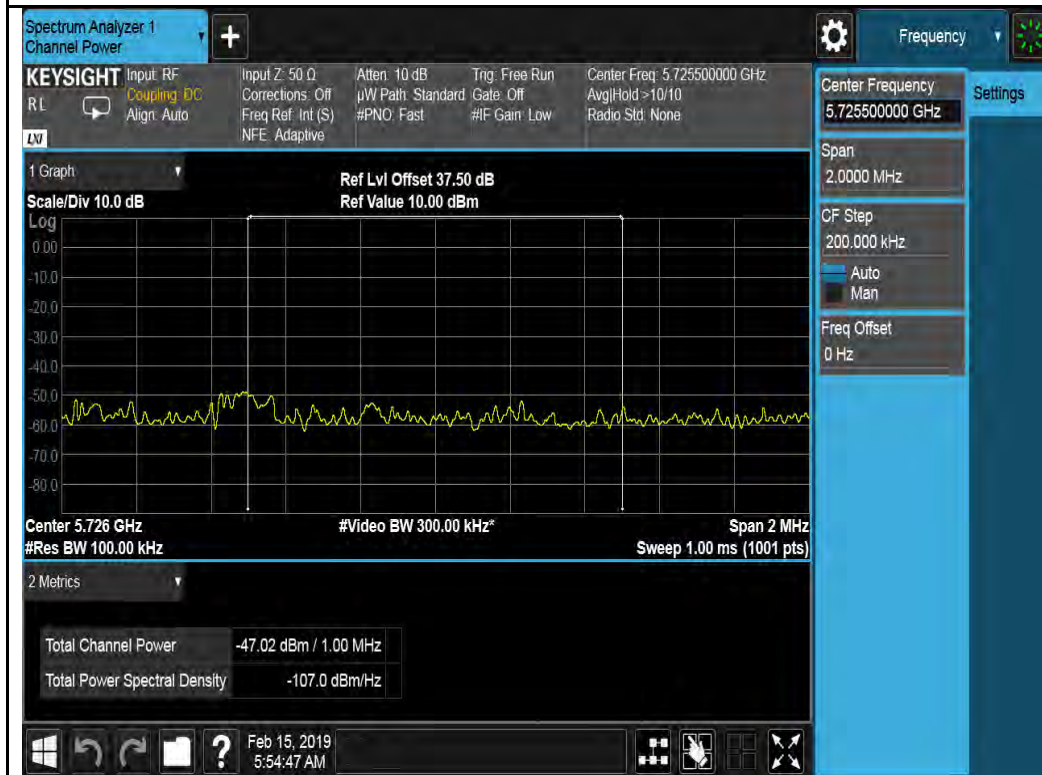
802.11a-5500MHz



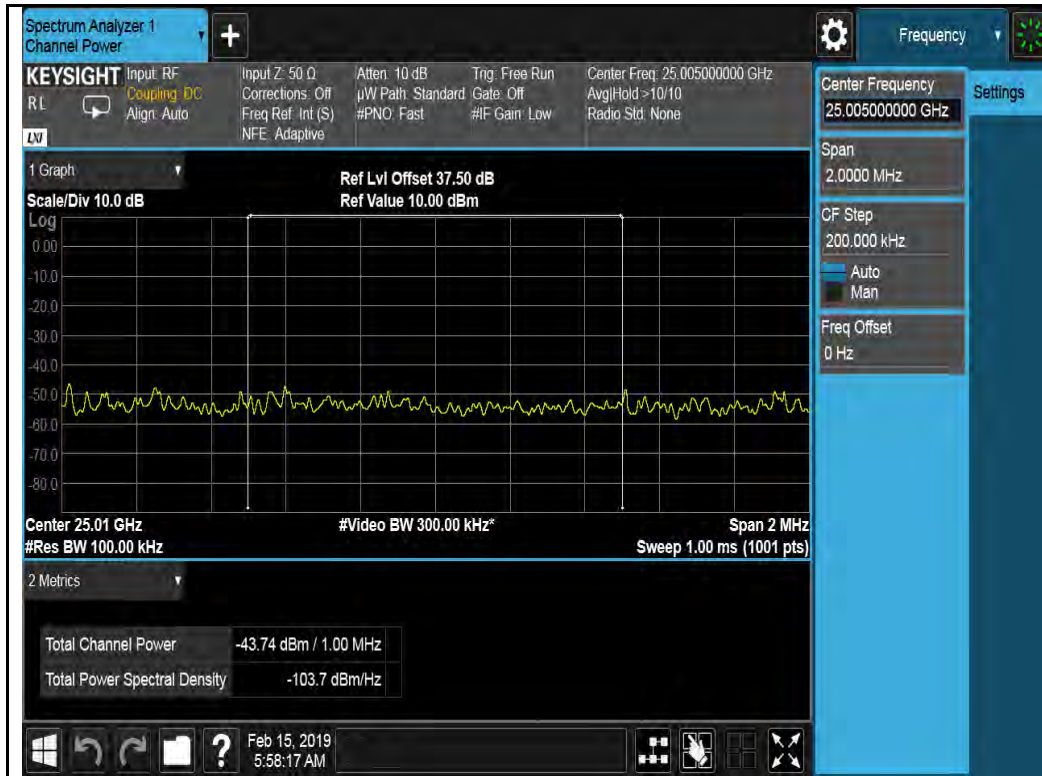
802.11a-5700MHz



802.11ax-HT20-5500MHz



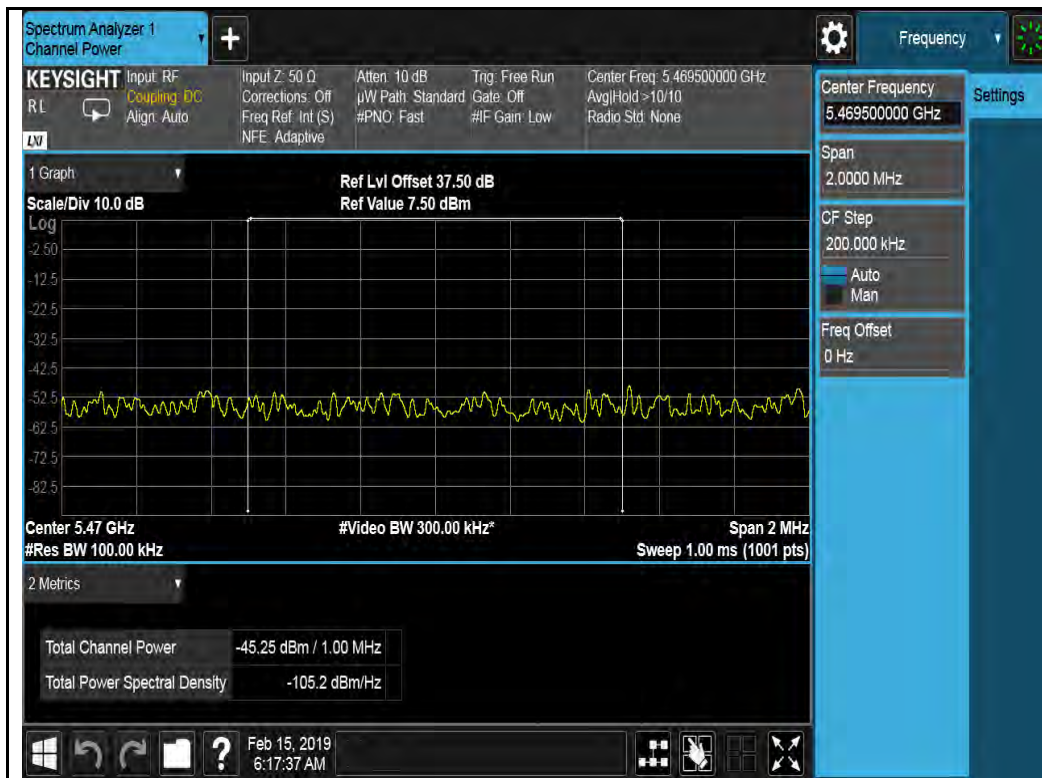
802.11ax-HT20-5700MHz



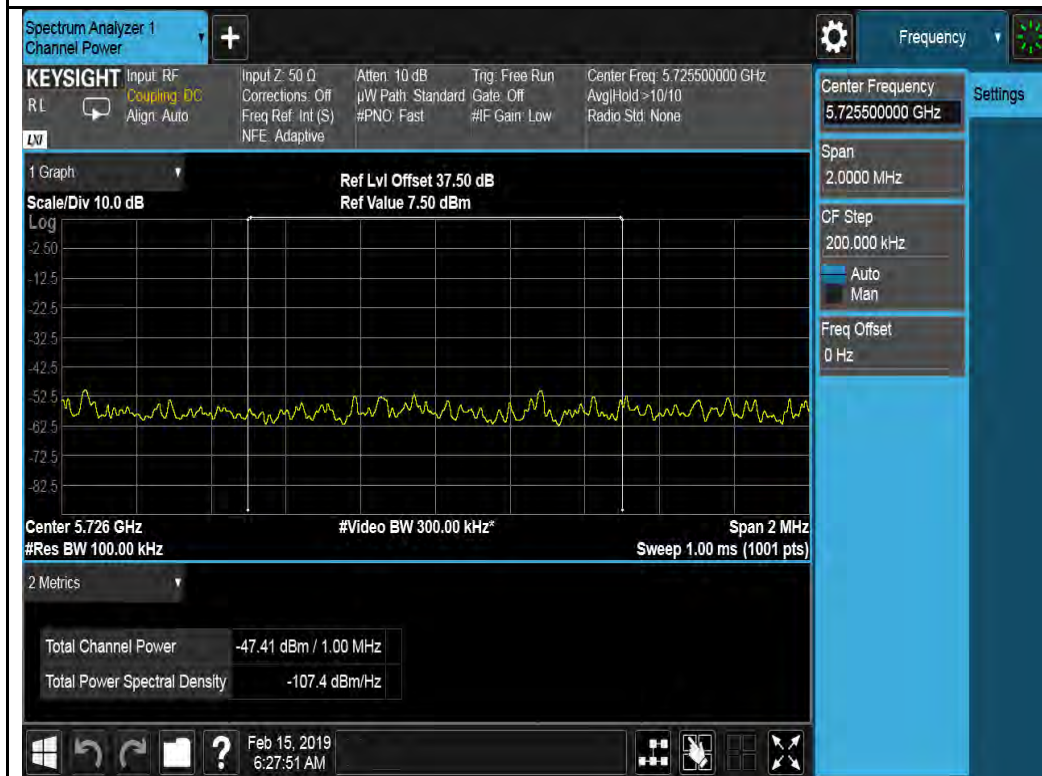
802.11ax-HT40-5510MHz



802.11ax-HT40-5670MHz

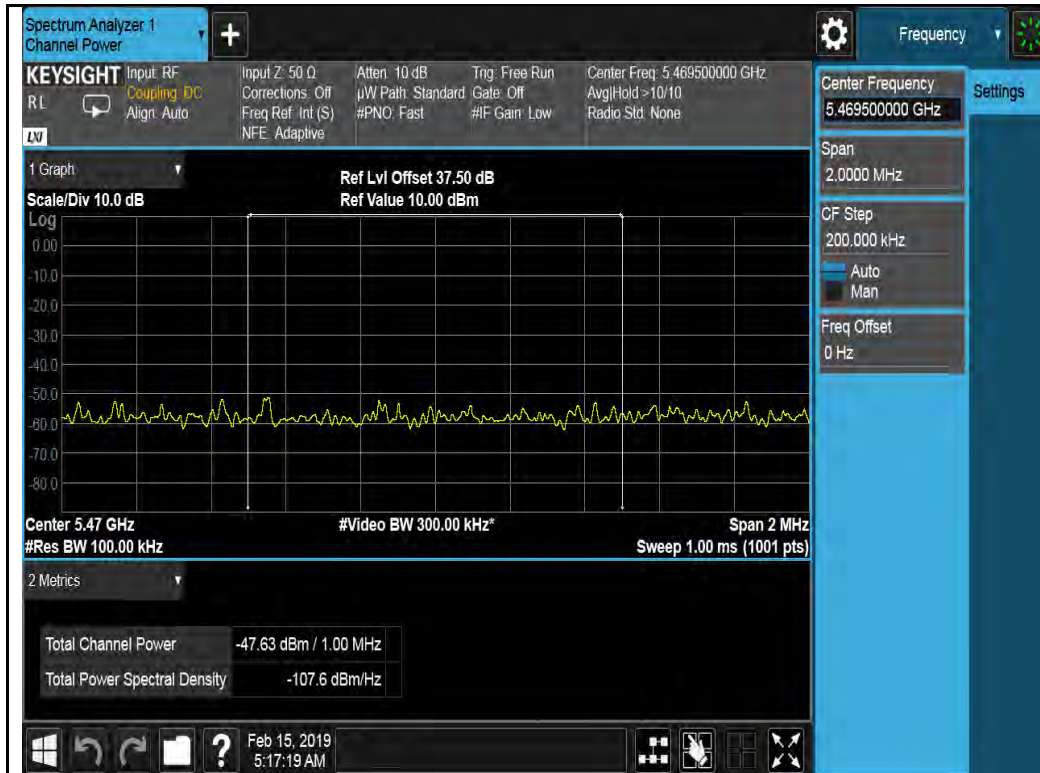


802.11ax-VHT80-5530MHz



802.11ax-VHT80-5610MHz

Chain 2:



802.11a-5500MHz



802.11a-5700MHz



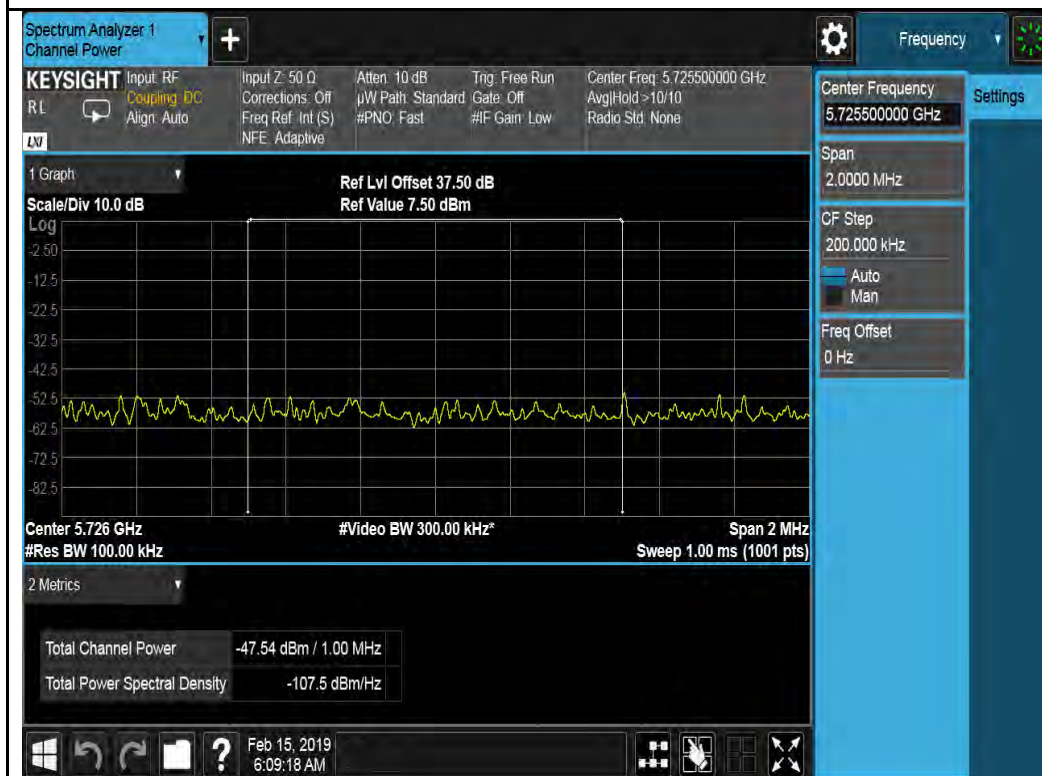
802.11ax-HT20-5500MHz



802.11ax-HT20-5700MHz

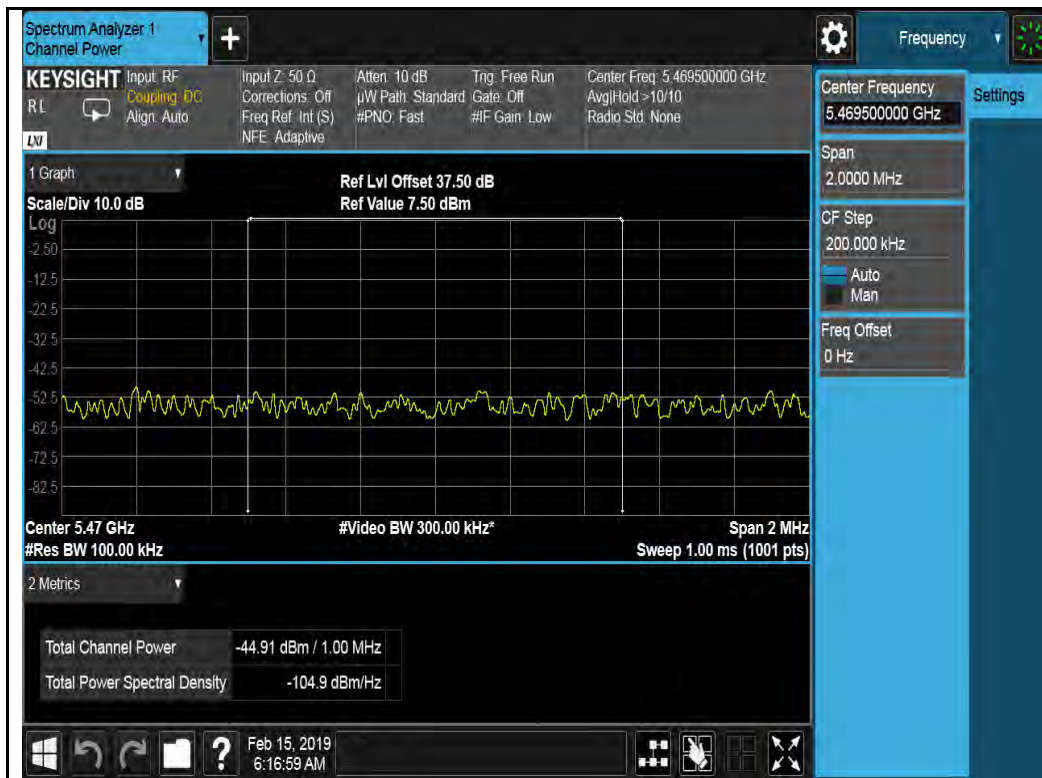


802.11ax-HT40-5510MHz

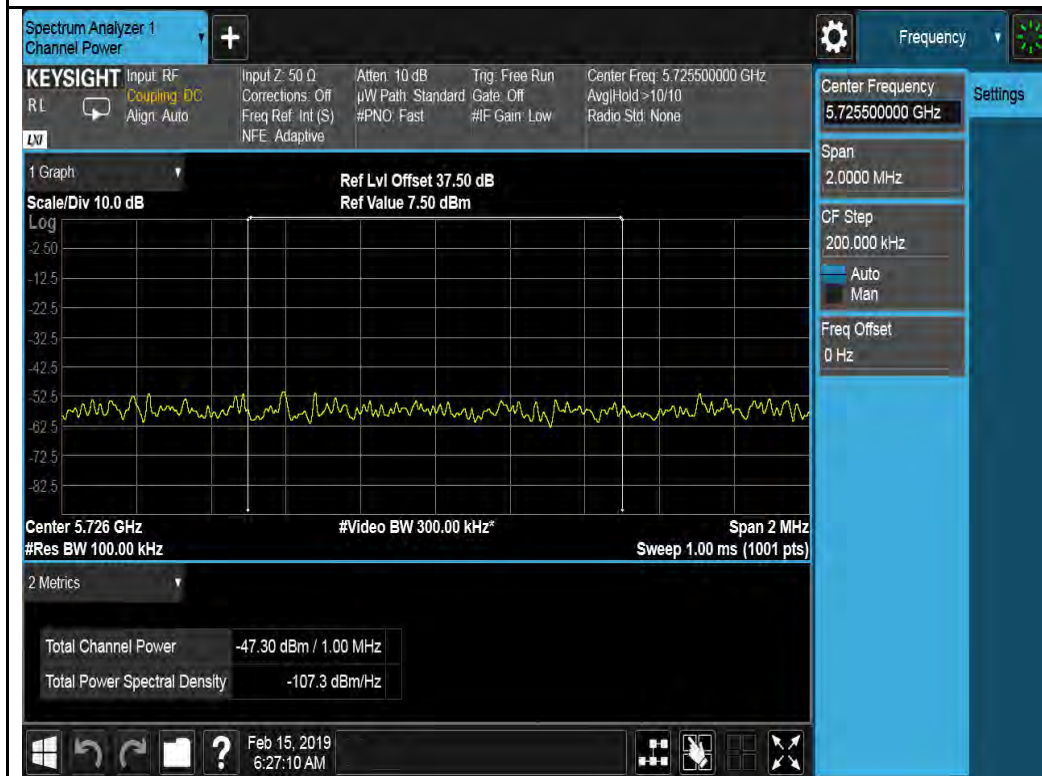


802.11ax-HT40-5670MHz



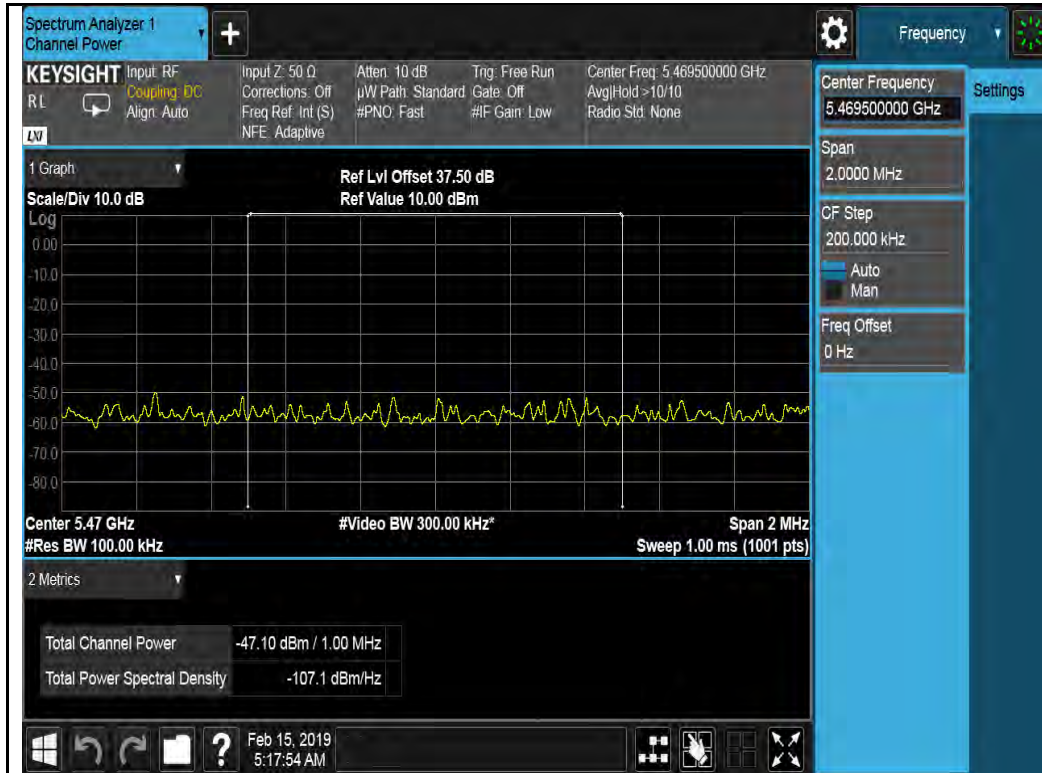


802.11ax-VHT80-5530MHz

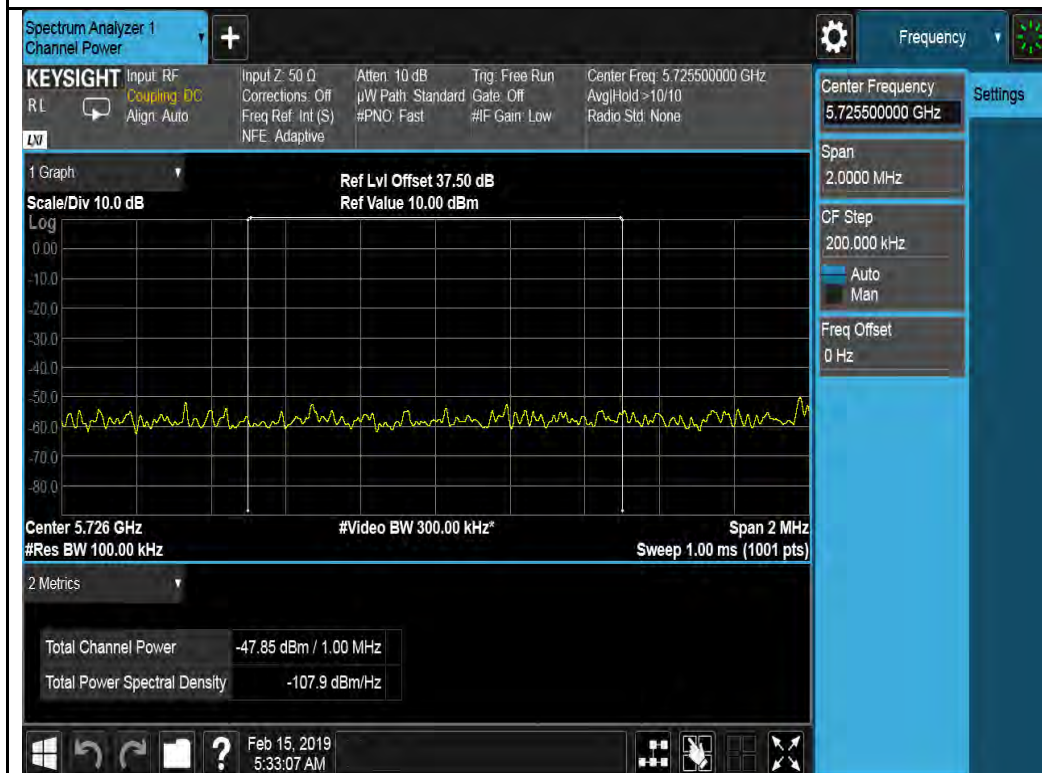


802.11ax-VHT80-5610MHz

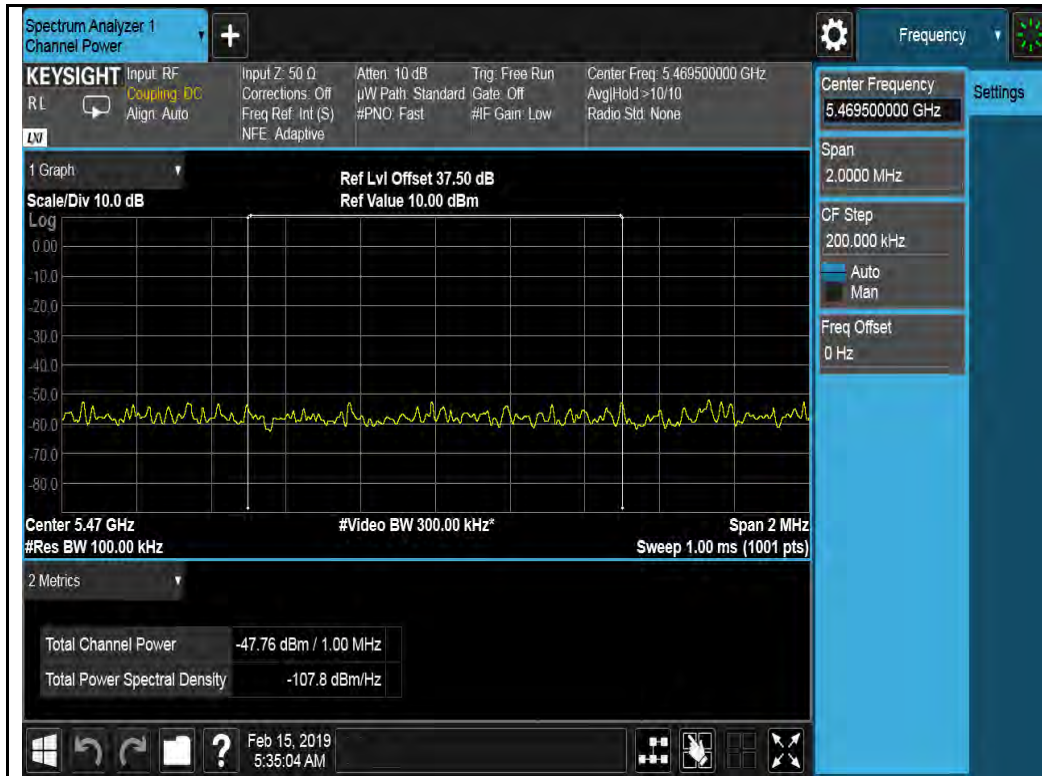
Chain 3:



802.11a-5500MHz



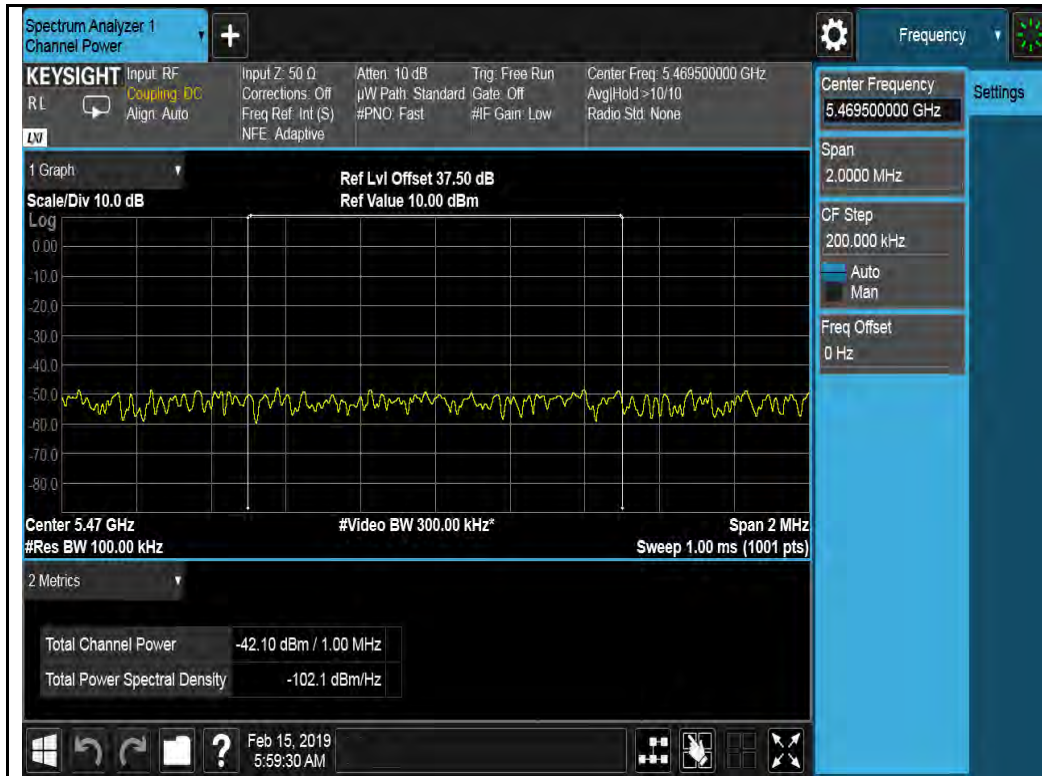
802.11a-5700MHz



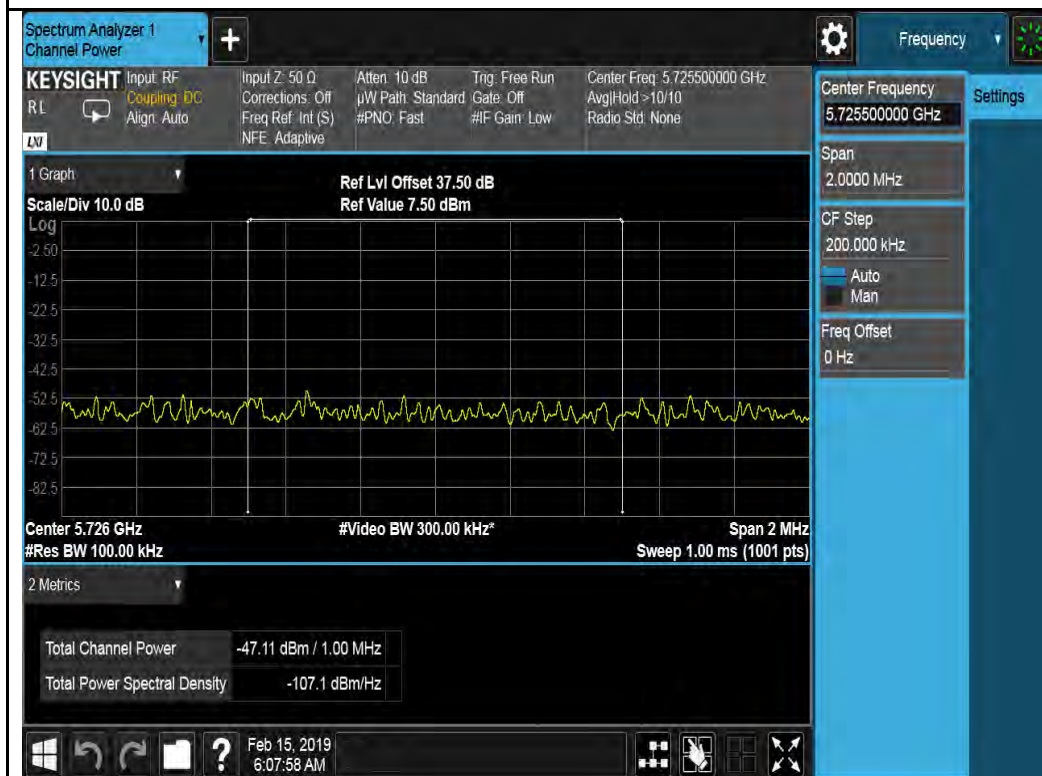
802.11ax-HT20-5500MHz



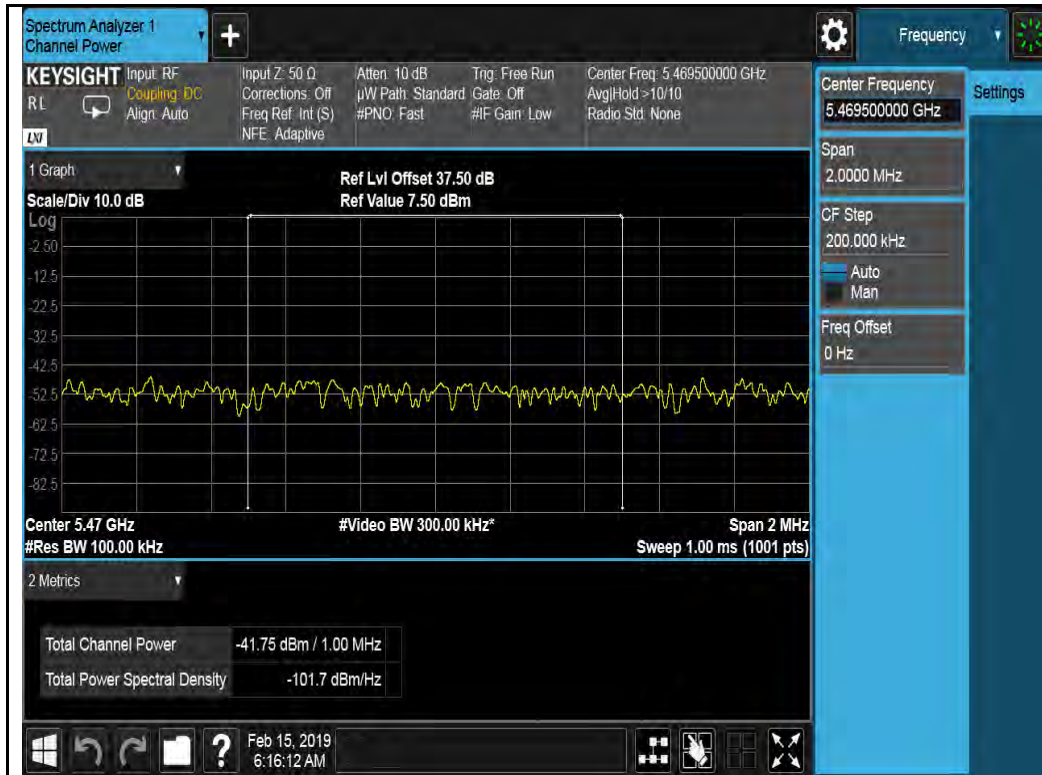
802.11ax-HT20-5700MHz



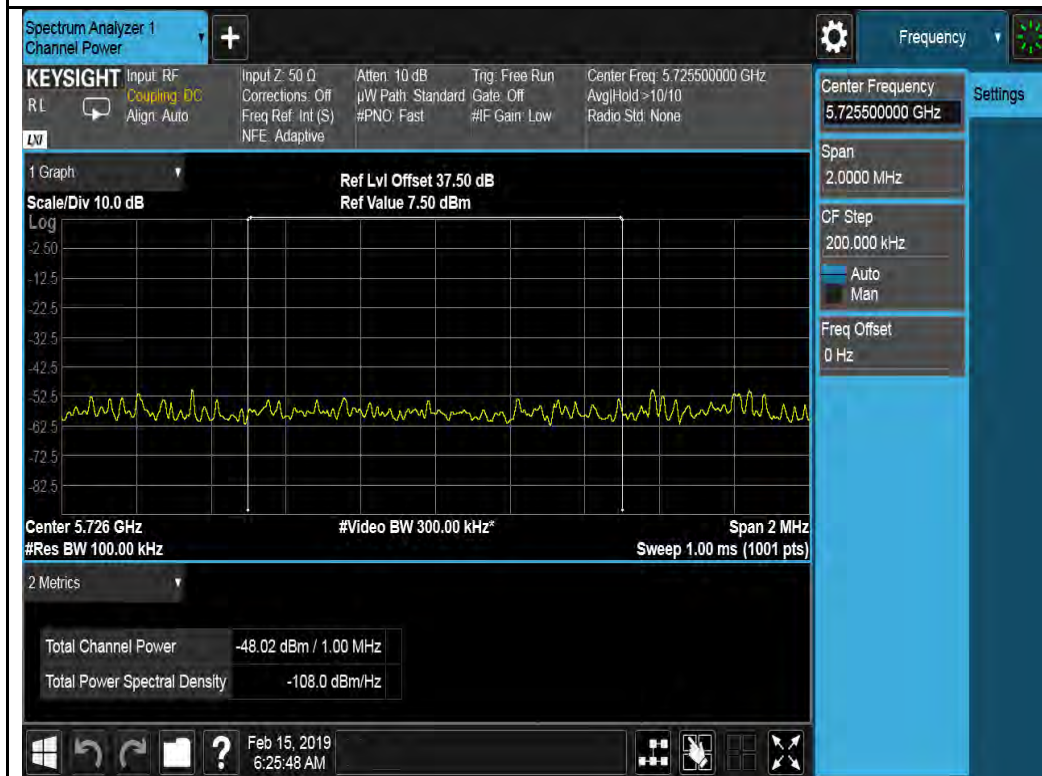
802.11ax-HT40-5510MHz



802.11ax-HT40-5670MHz



802.11ax-VHT80-5530MHz

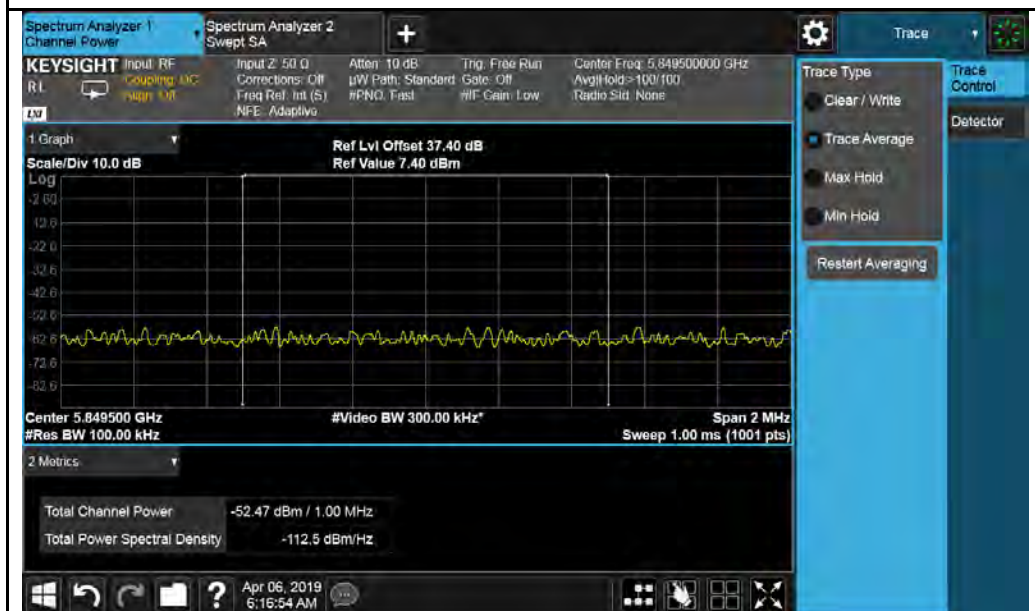


802.11ax-VHT80-5610MHz

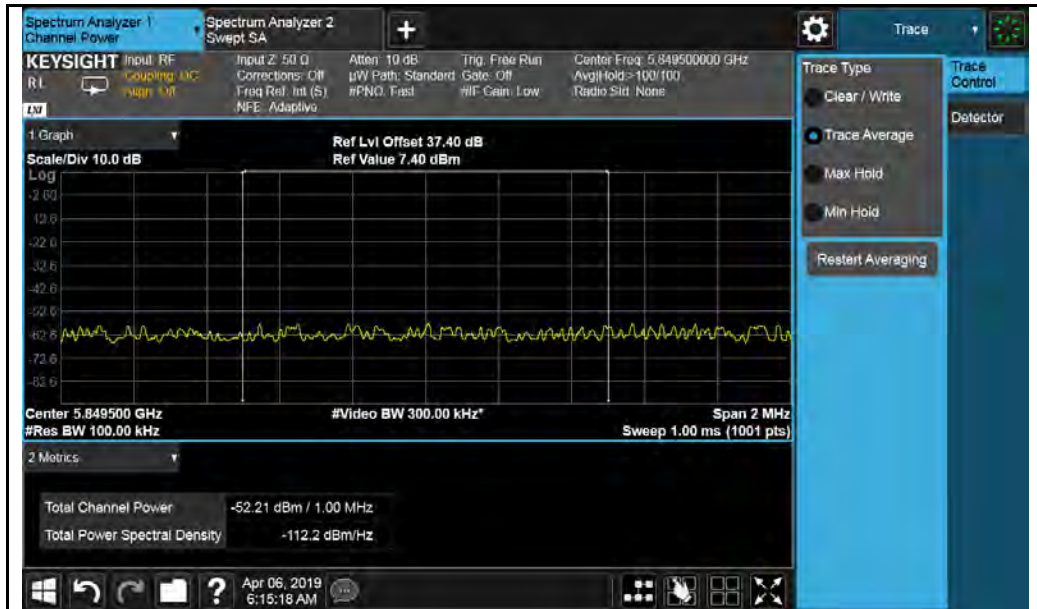
Test Plots for Cross Band:  
Chain 0



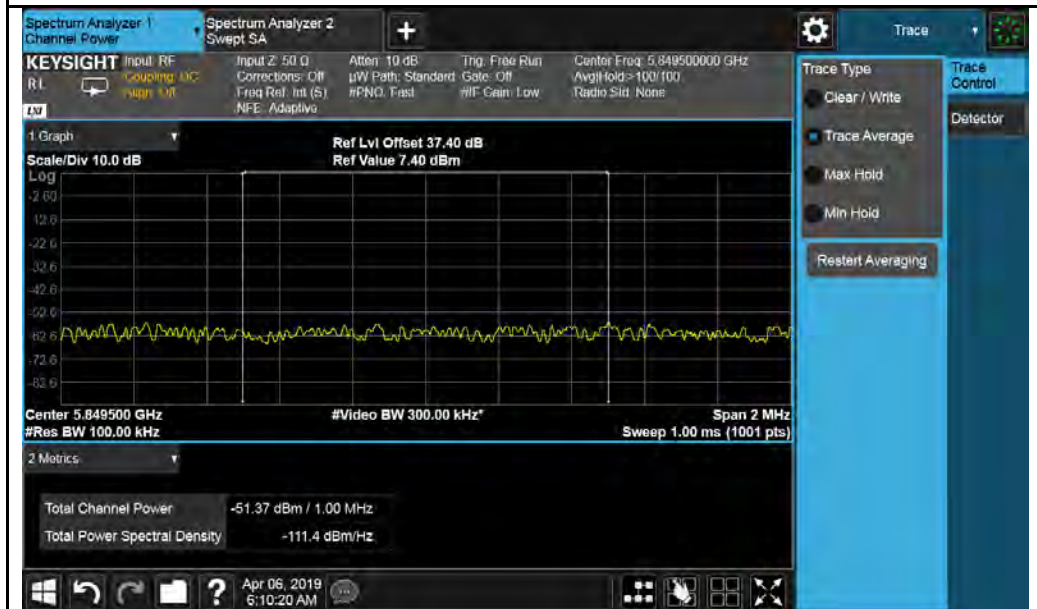
802.11a-5720MHz



802.11n-5720MHz



802.11ax-HT40-5710MHz

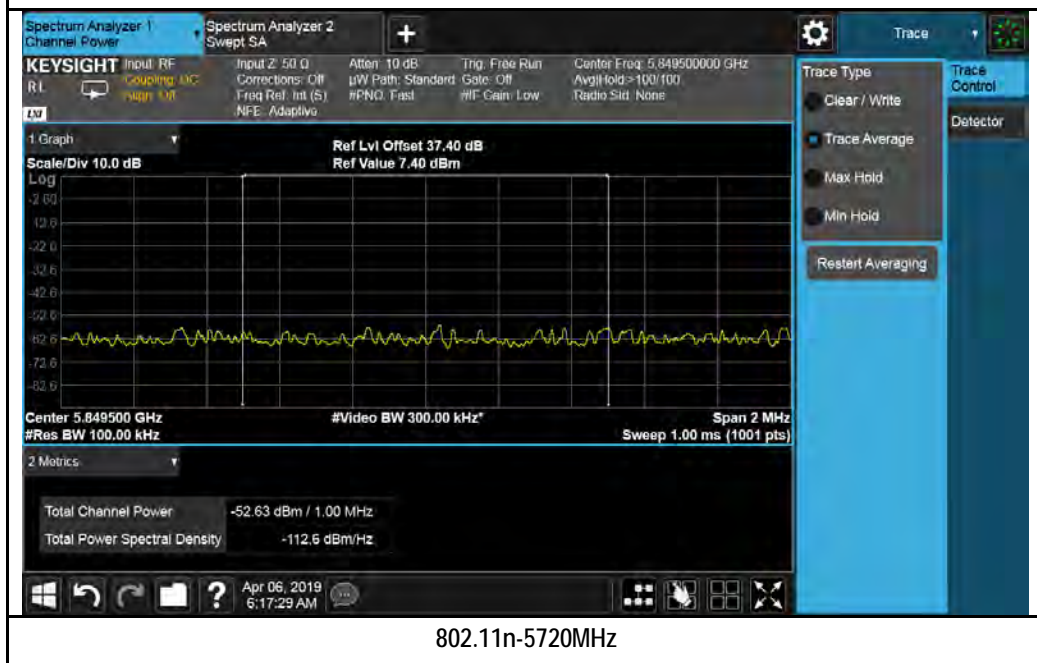


802.11ax-VHT80-5690MHz

Chain 1

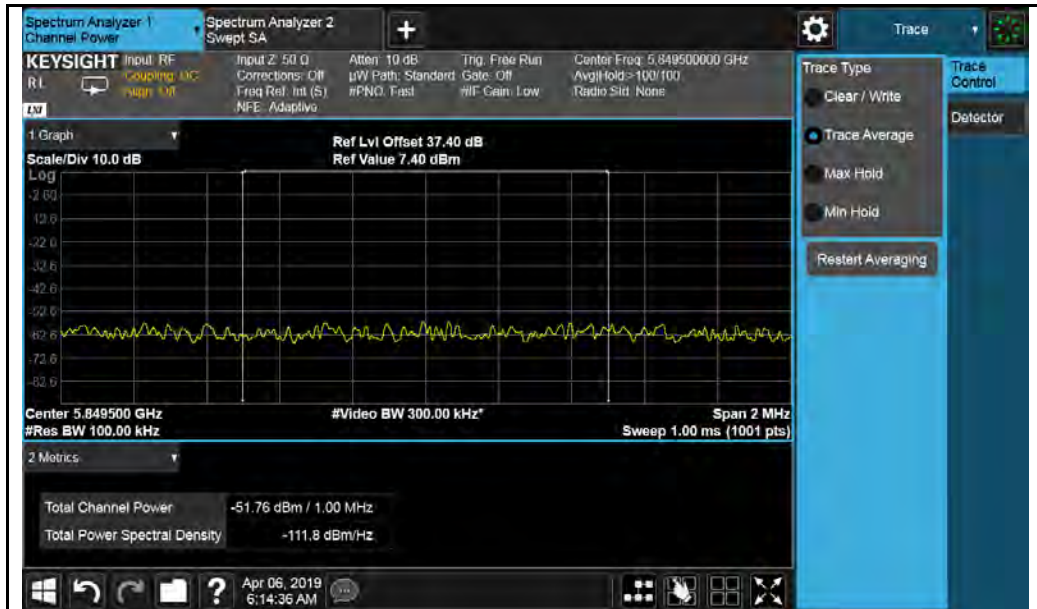


802.11a-5720MHz

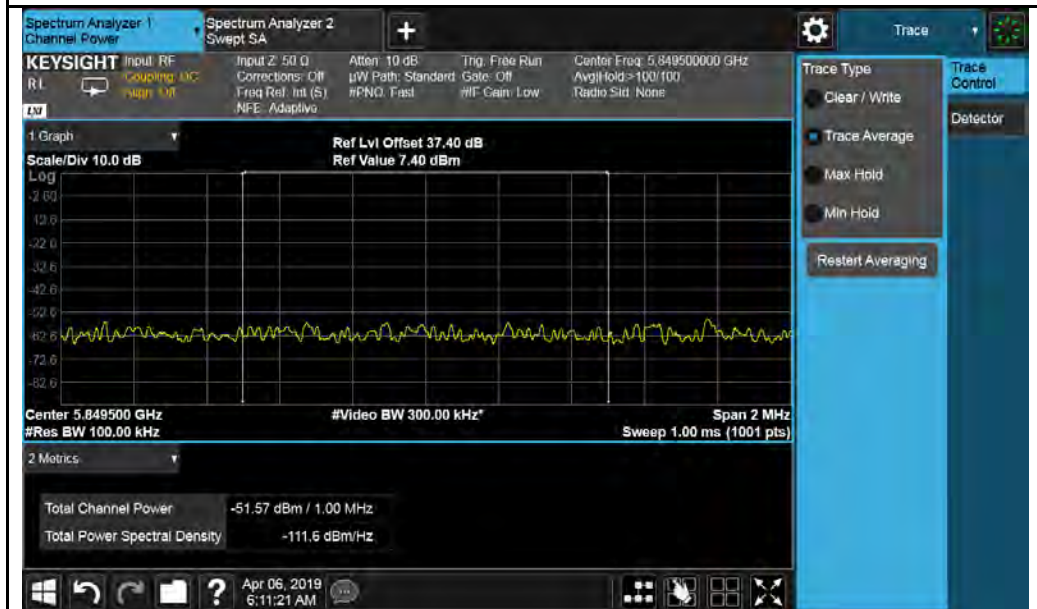


802.11n-5720MHz





802.11ax-HT40-5710MHz

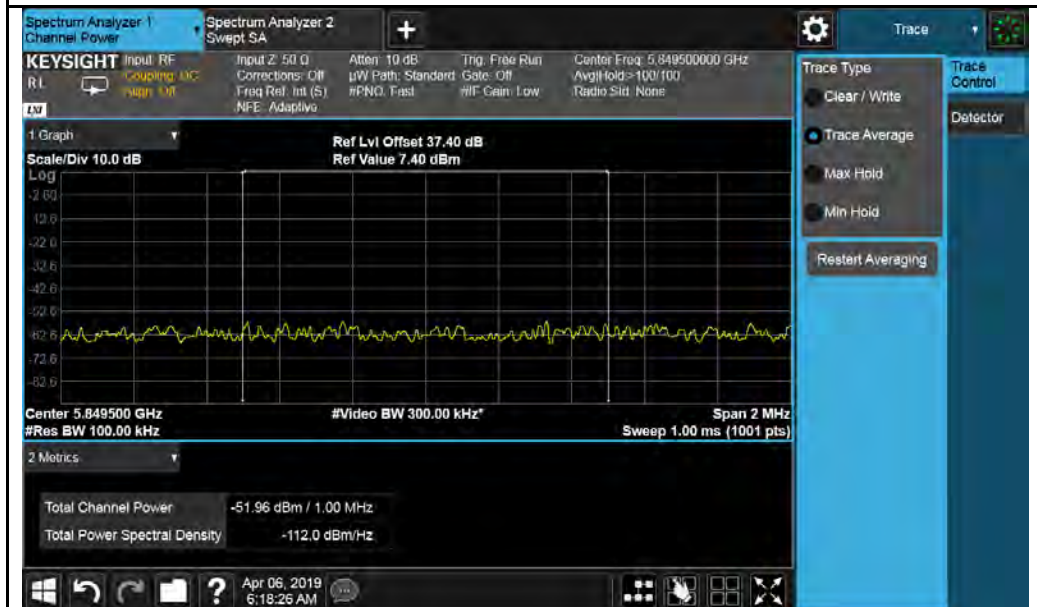


802.11ax-VHT80-5690MHz

Chain 2



802.11a-5720MHz



802.11n-5720MHz