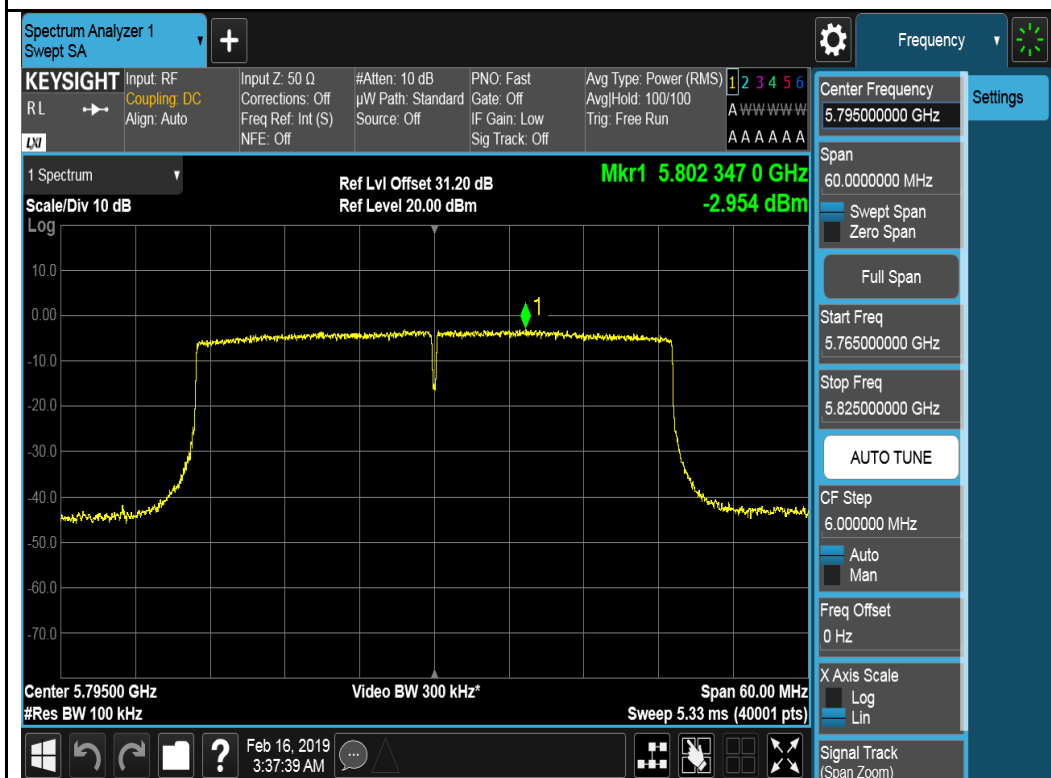
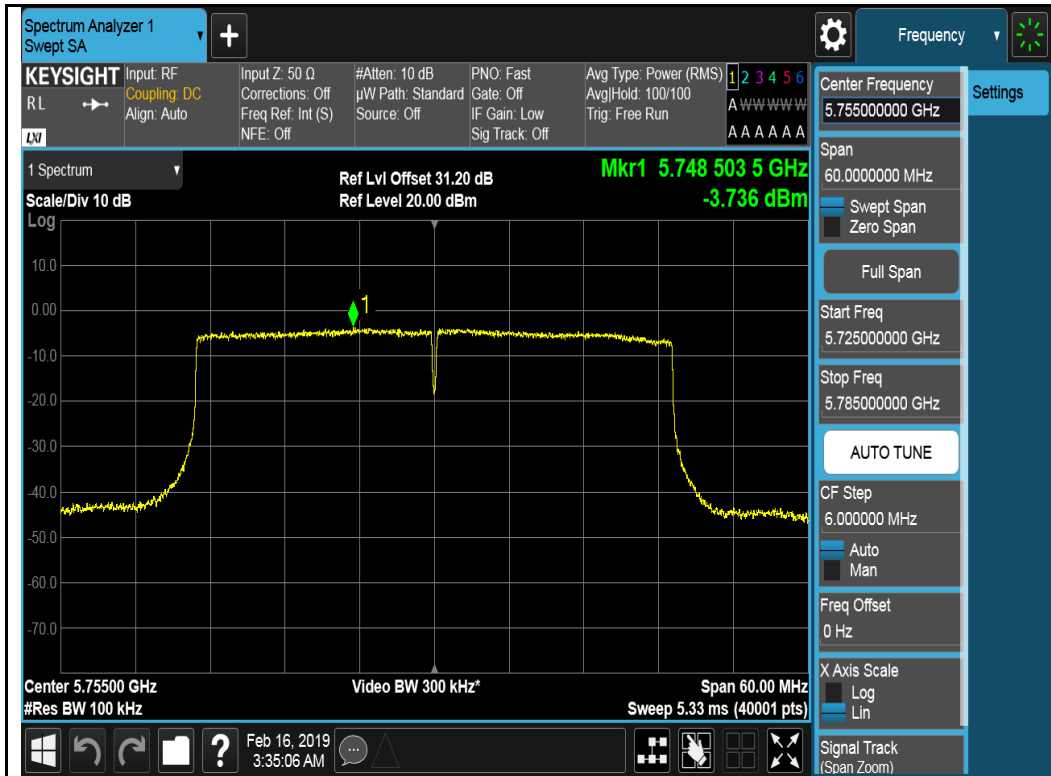
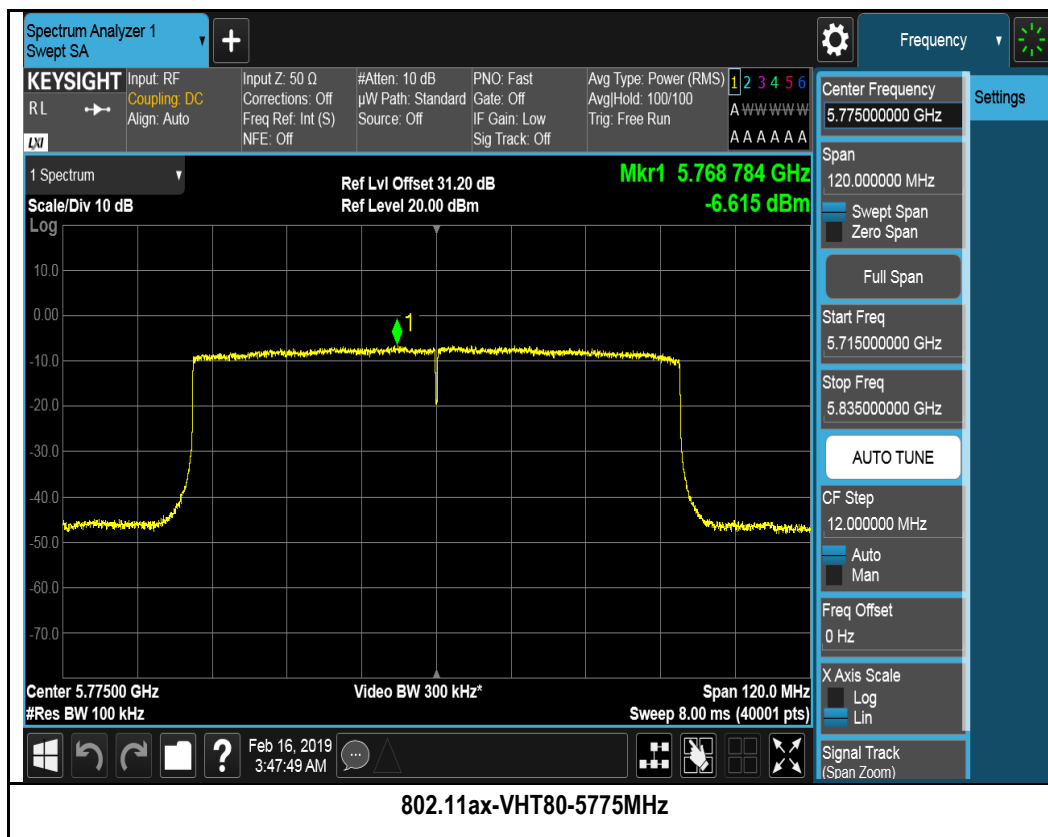
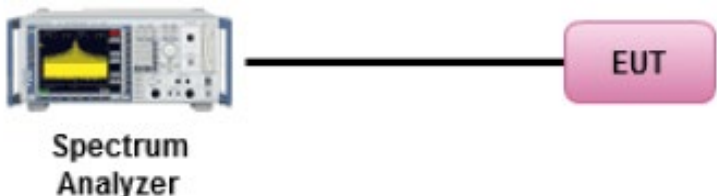






10.6 Band Edge and Emission Mask Measurement

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR§ 15.407(b)(1), 15.407(b)(4)	(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.	☒
	(4)(i)	For transmitters operating in the 5.725-5.825 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	☒
Test Setup	 The diagram illustrates the test setup. On the left is a Spectrum Analyzer with a yellow signal trace on its screen. A black line connects the Spectrum Analyzer to a pink rounded rectangle on the right labeled 'EUT' (Equipment Under Test).		
Procedure	789033 D02 General U-NII Test Procedures New Rules v02r01, II.F. Method SA-1 <u>Band Edge measurement:</u> - 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: - Set RBW=100kHz - Set VBW=300kHz - Perform a band-power integration across the 1 MHz bandwidth in which the band-edge emission level is to be measured.		
Remark	Antenna gain was added to the offset.		
Result	☒ Pass ☐ Fail		

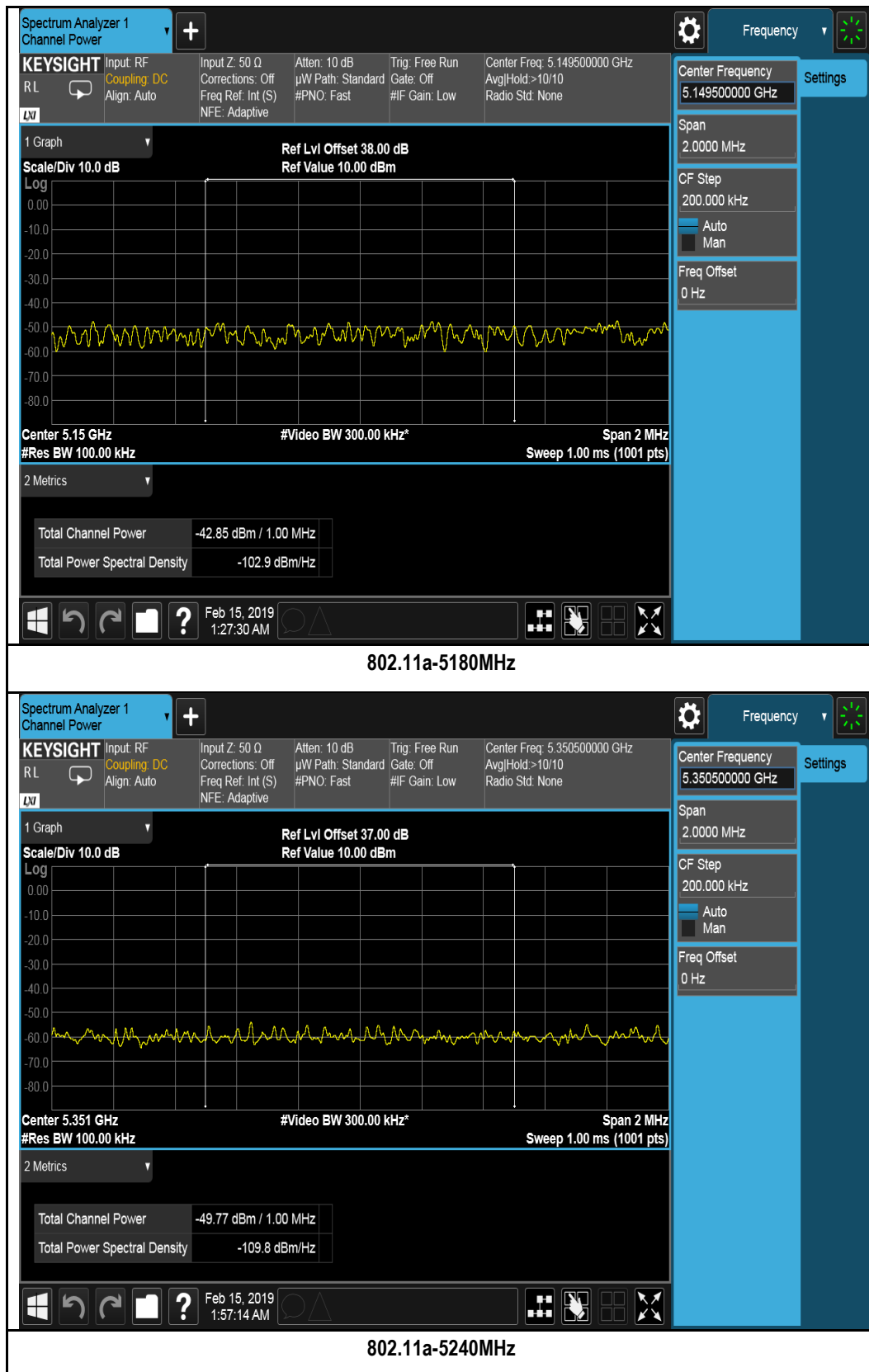
Test Data ☐ Yes (See below) ☒ N/A

Test Plot ☒ Yes (See below) ☐ N/A

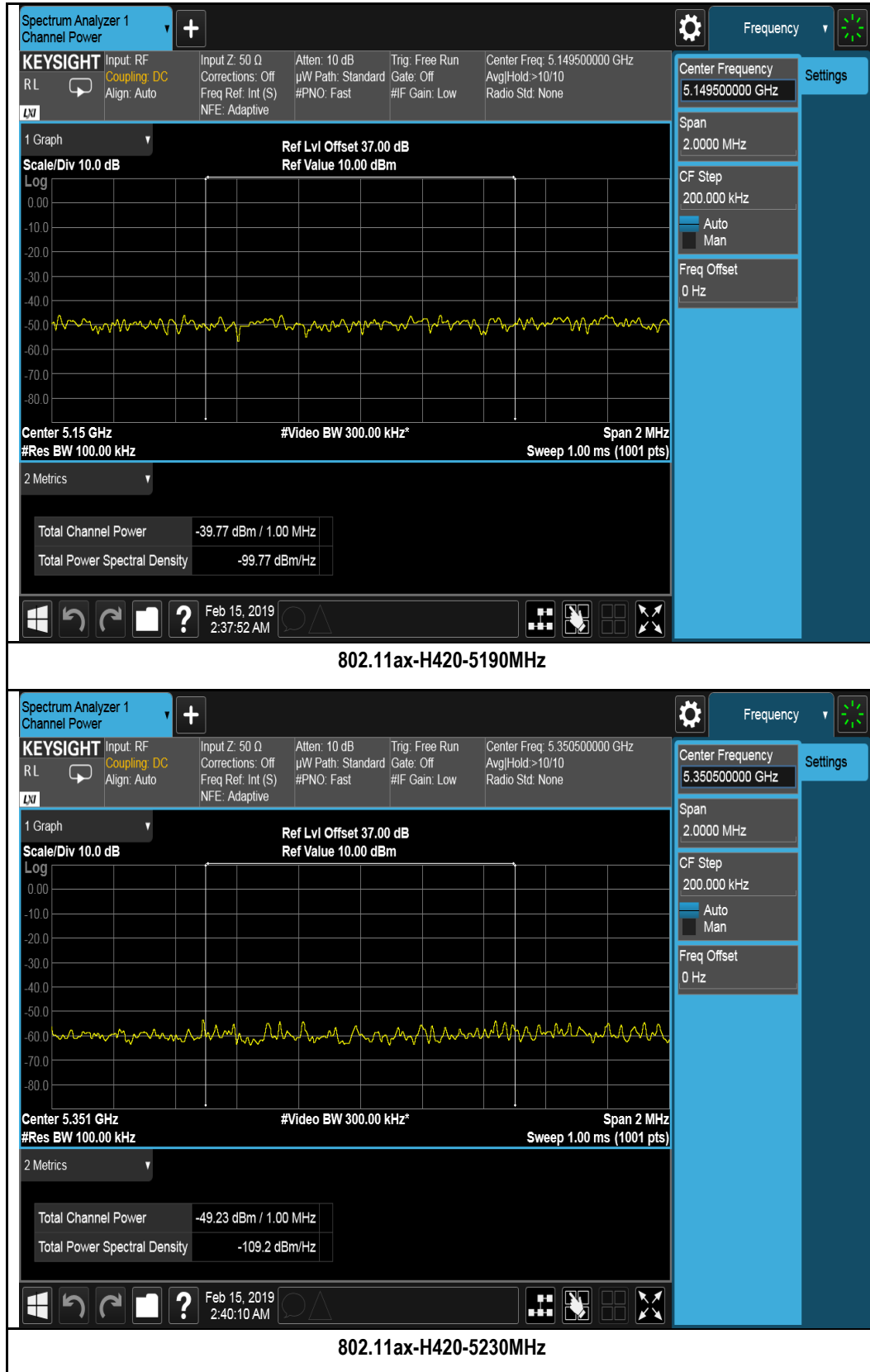
Test was done by Deon Dai at RF test site.

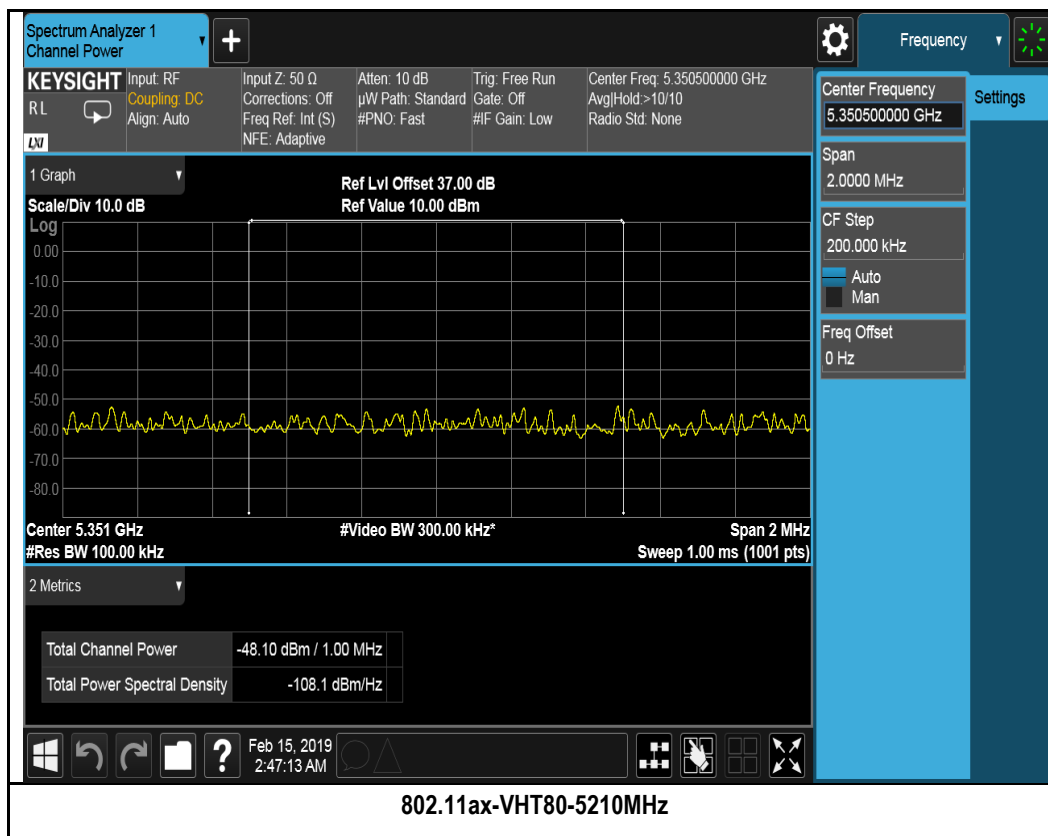
Test Plot for U-NII-1 Band:

Chain 0:



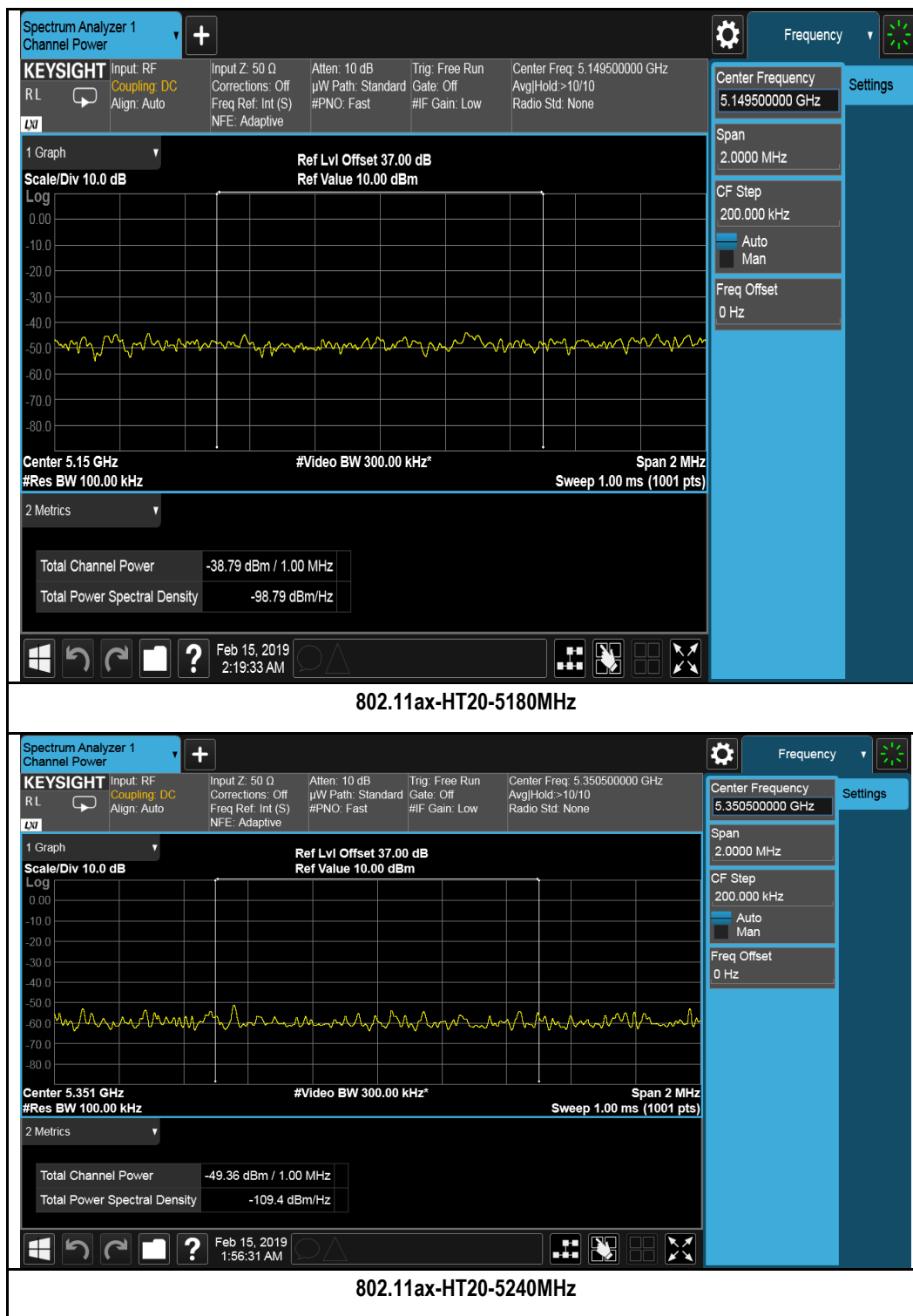


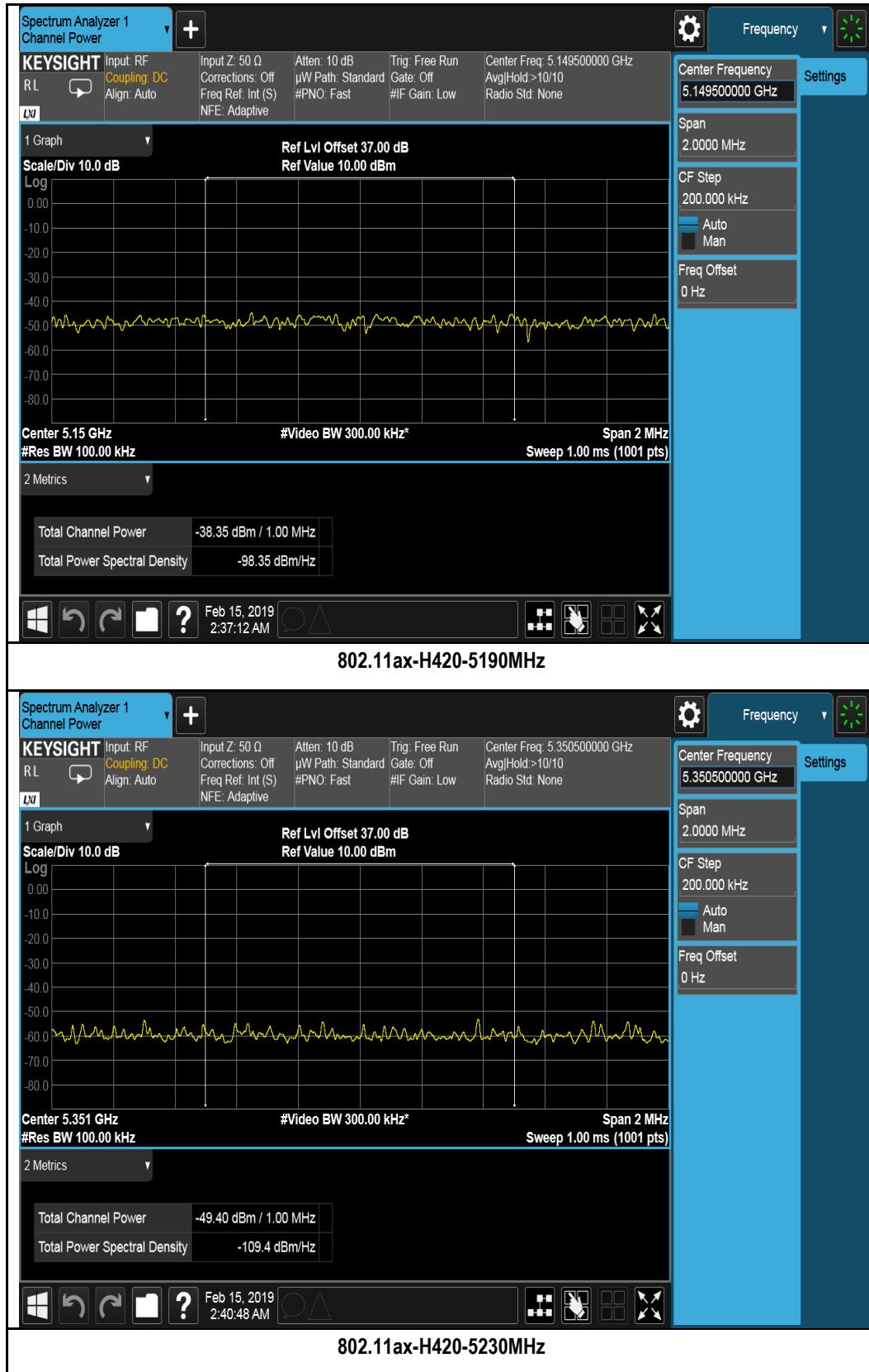


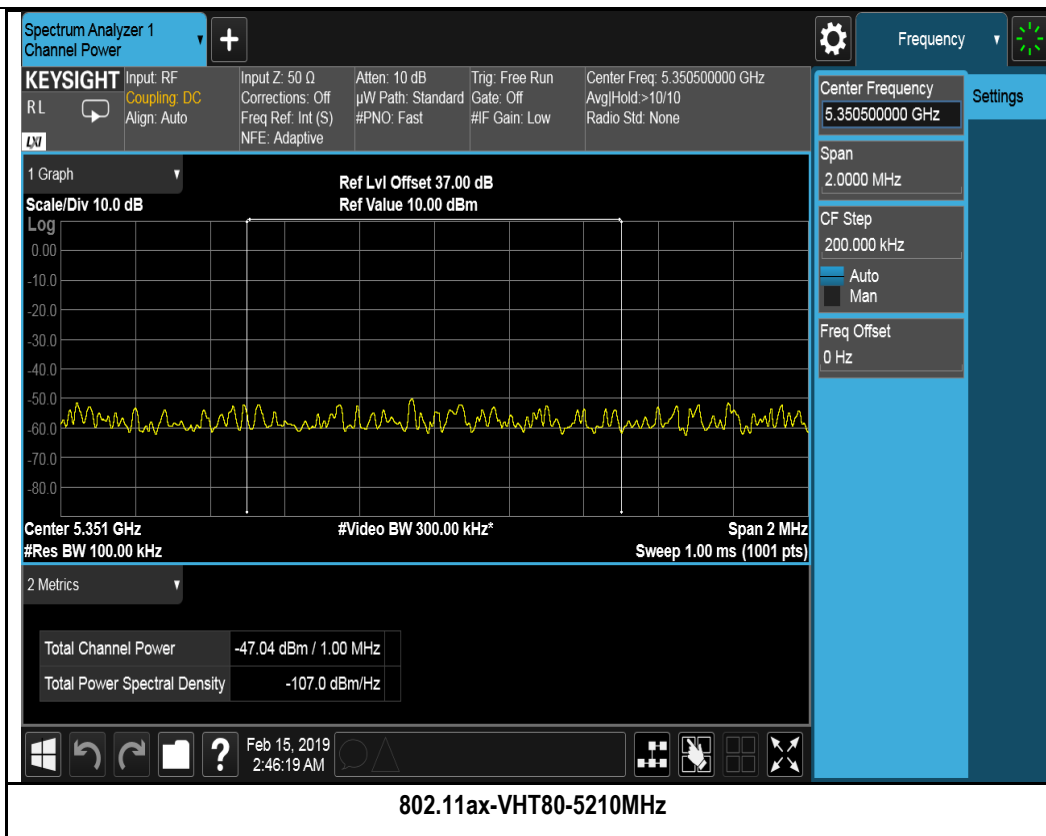


Chain 1:



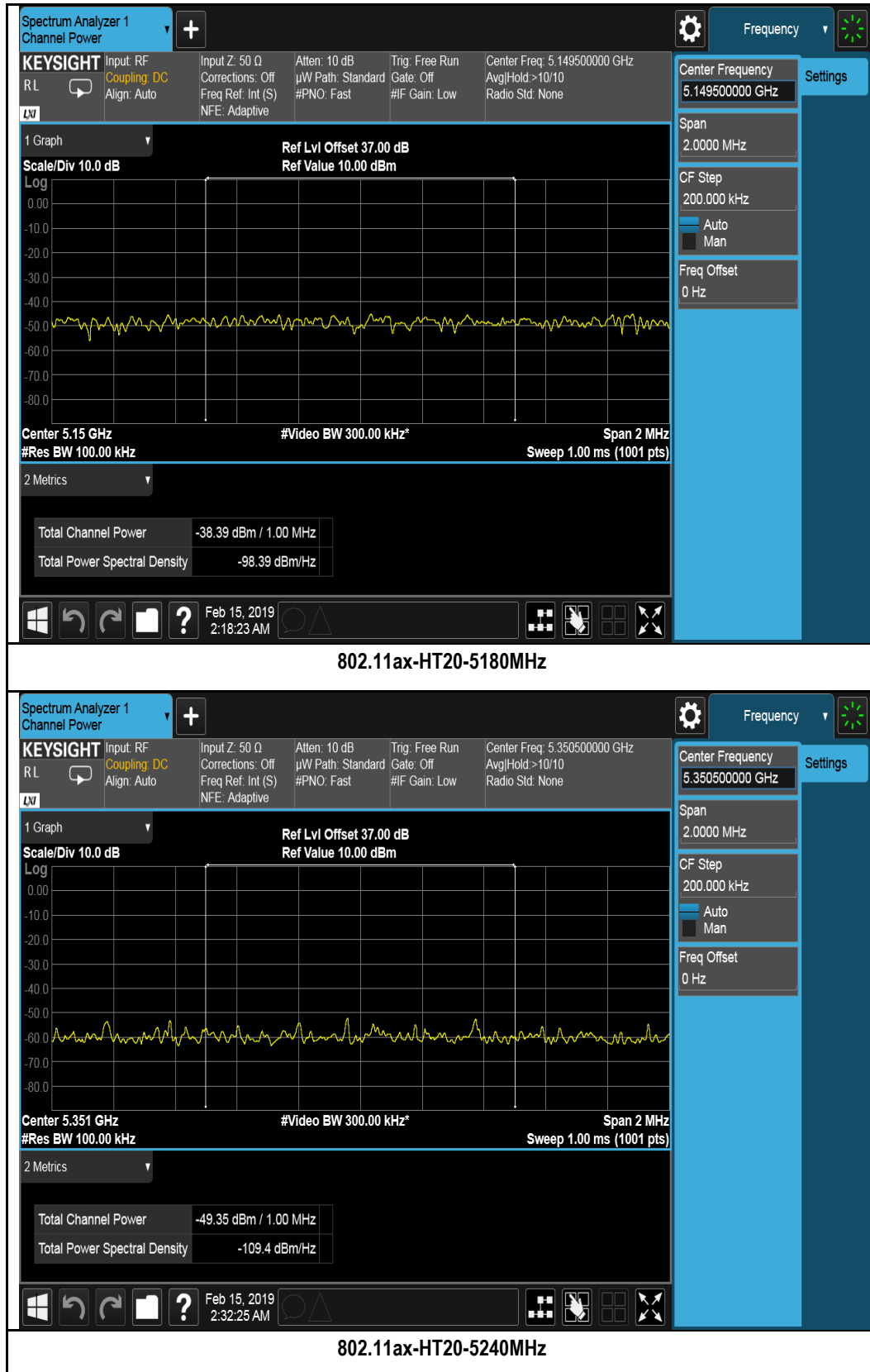


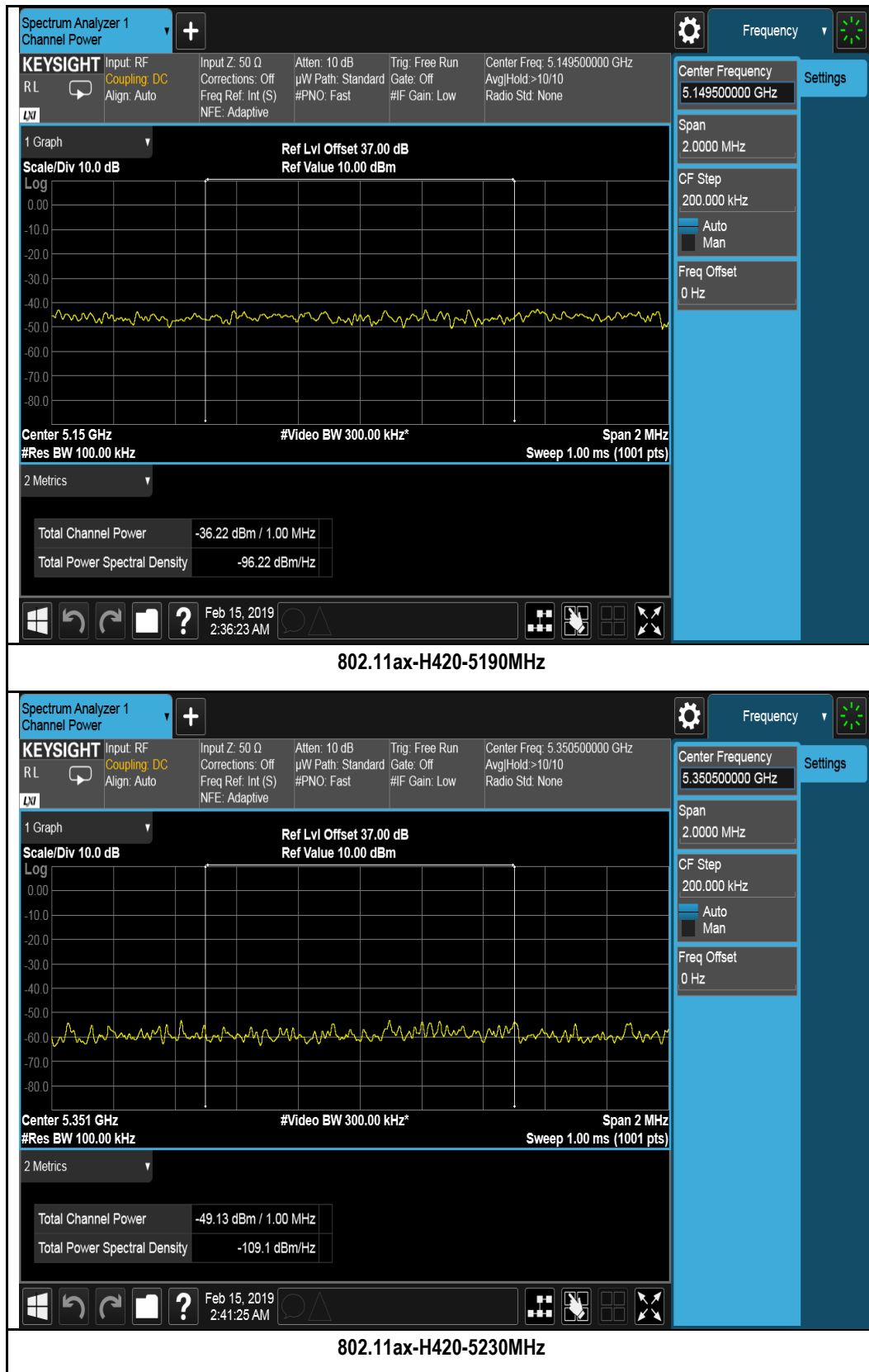


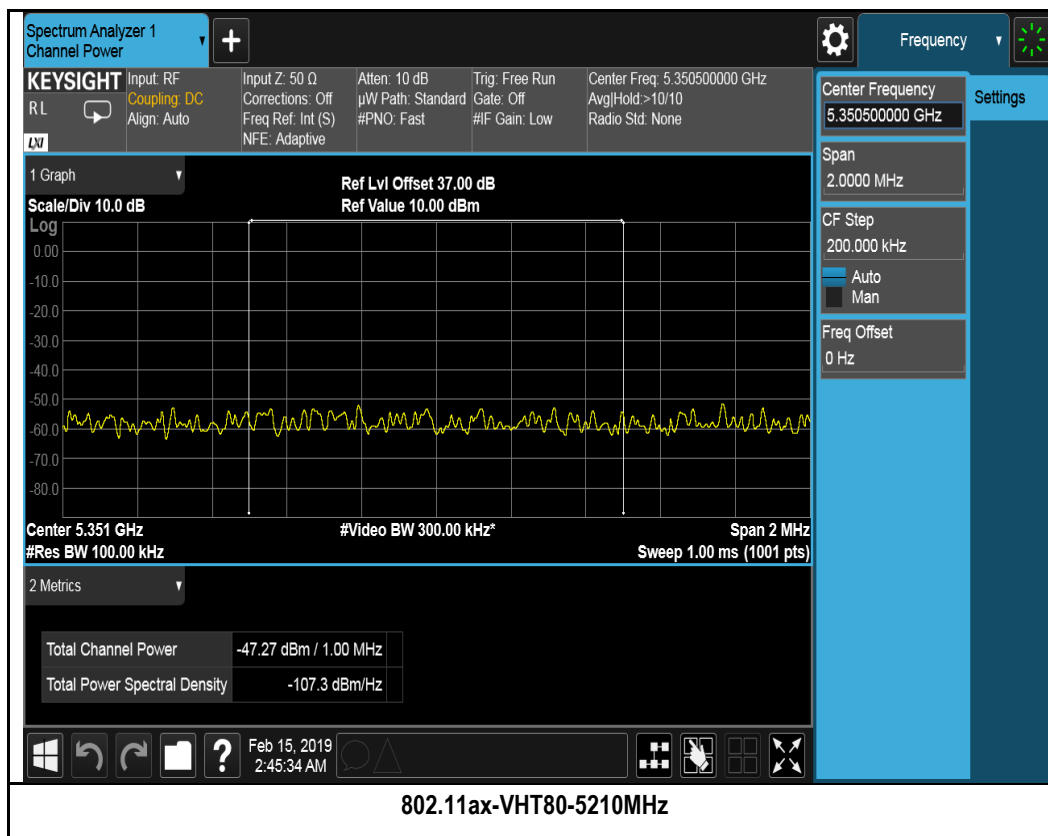


Chain 2:

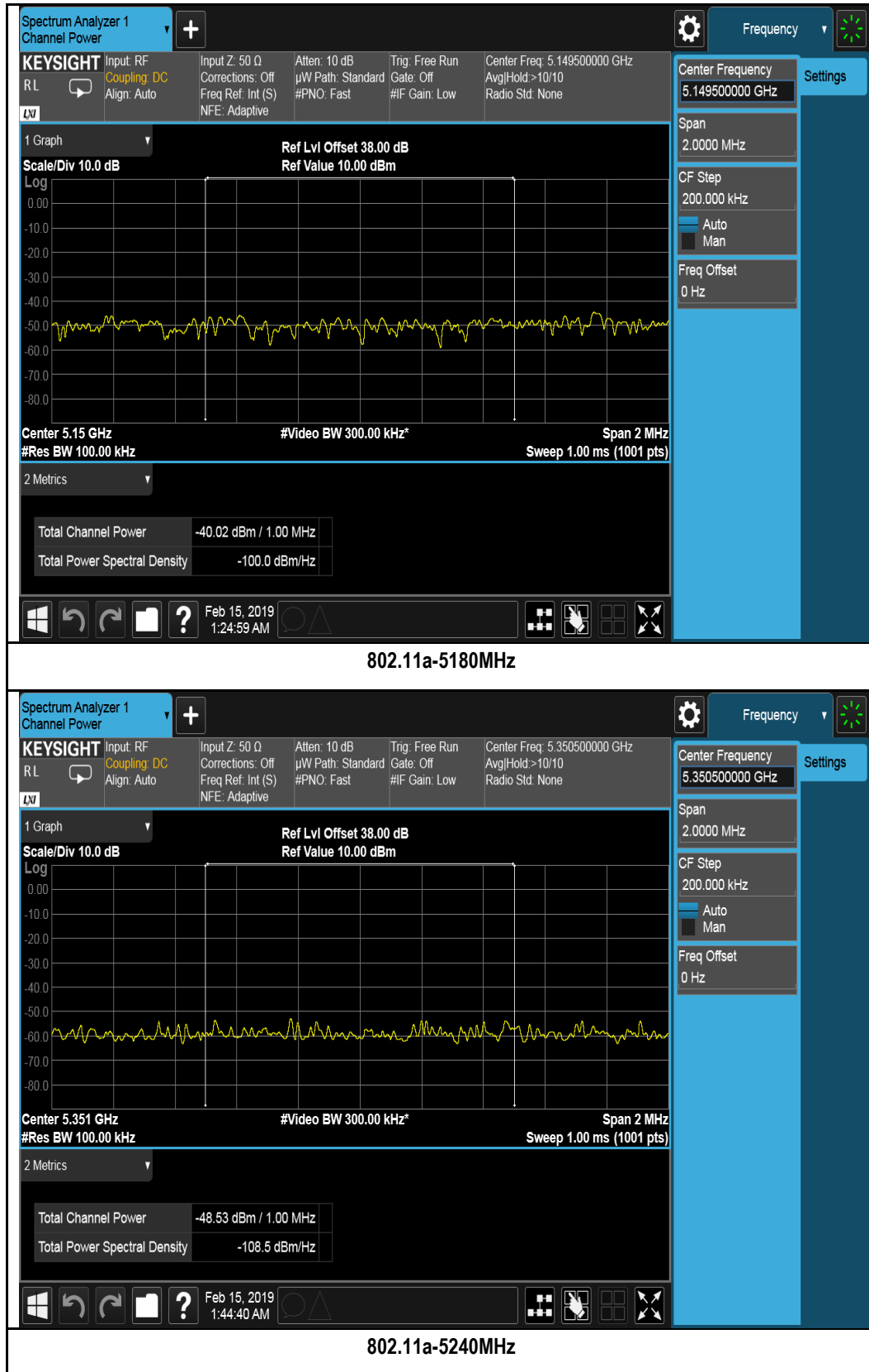


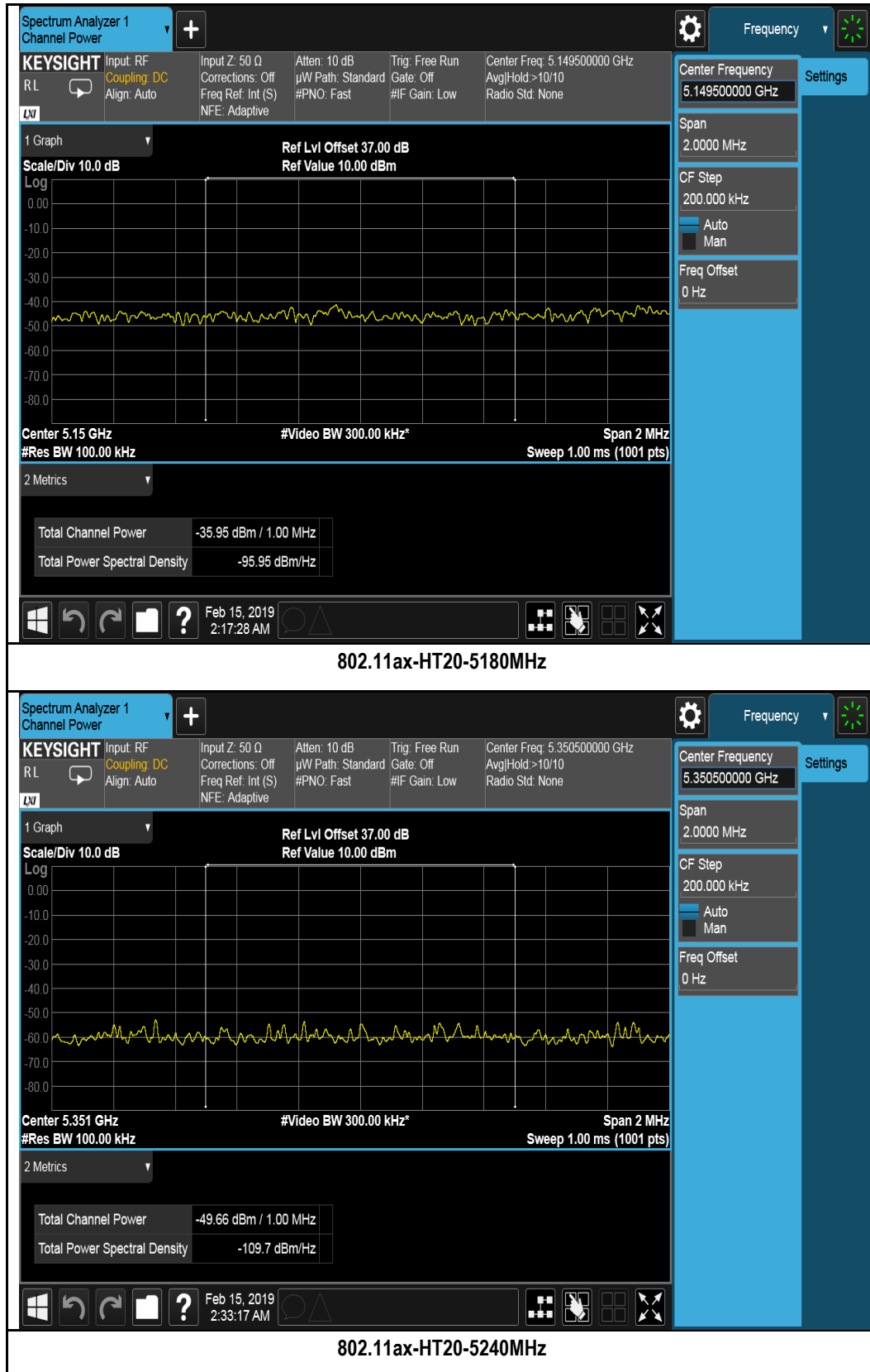


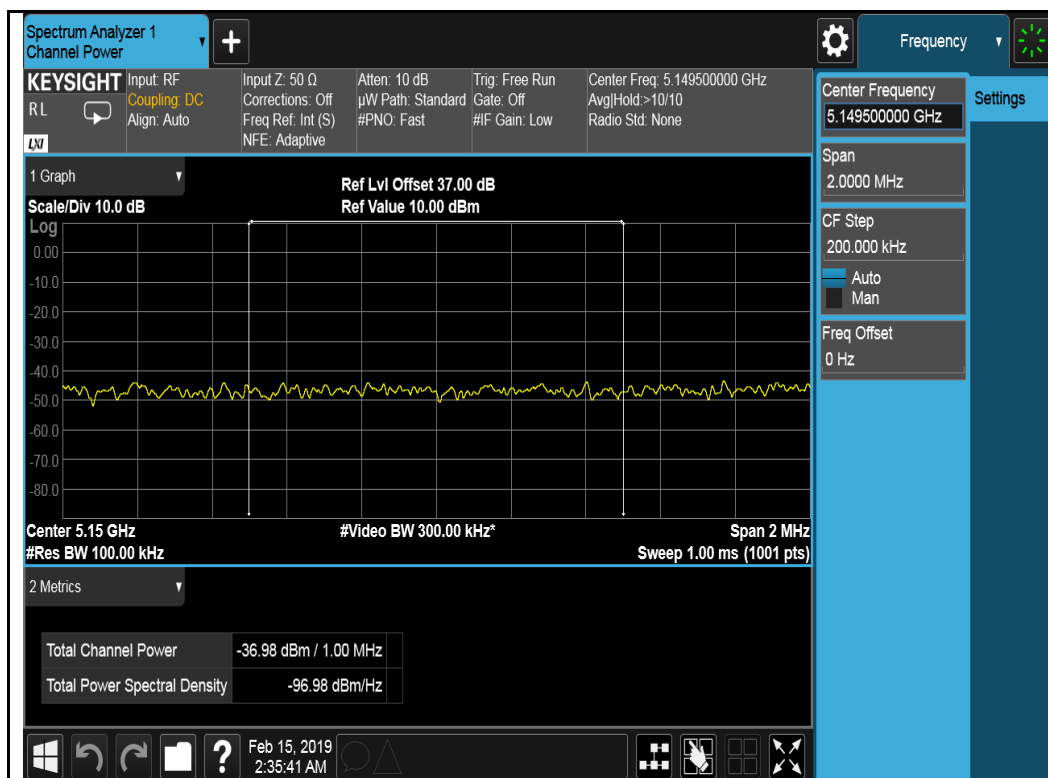




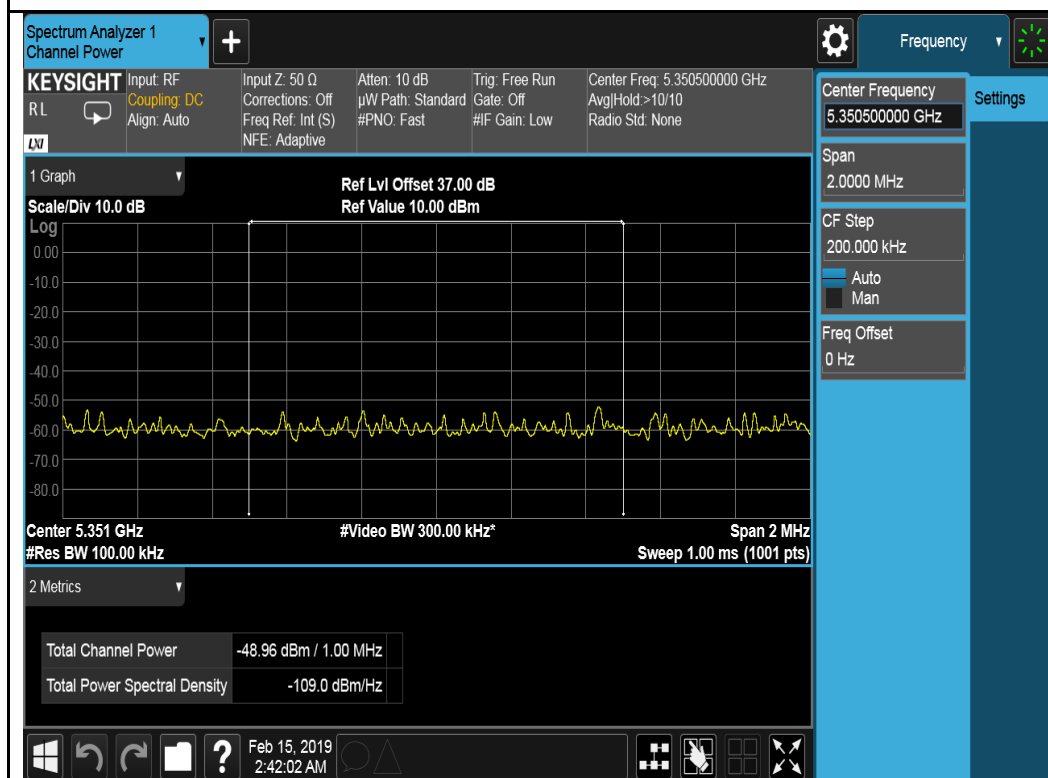
Chain 3:



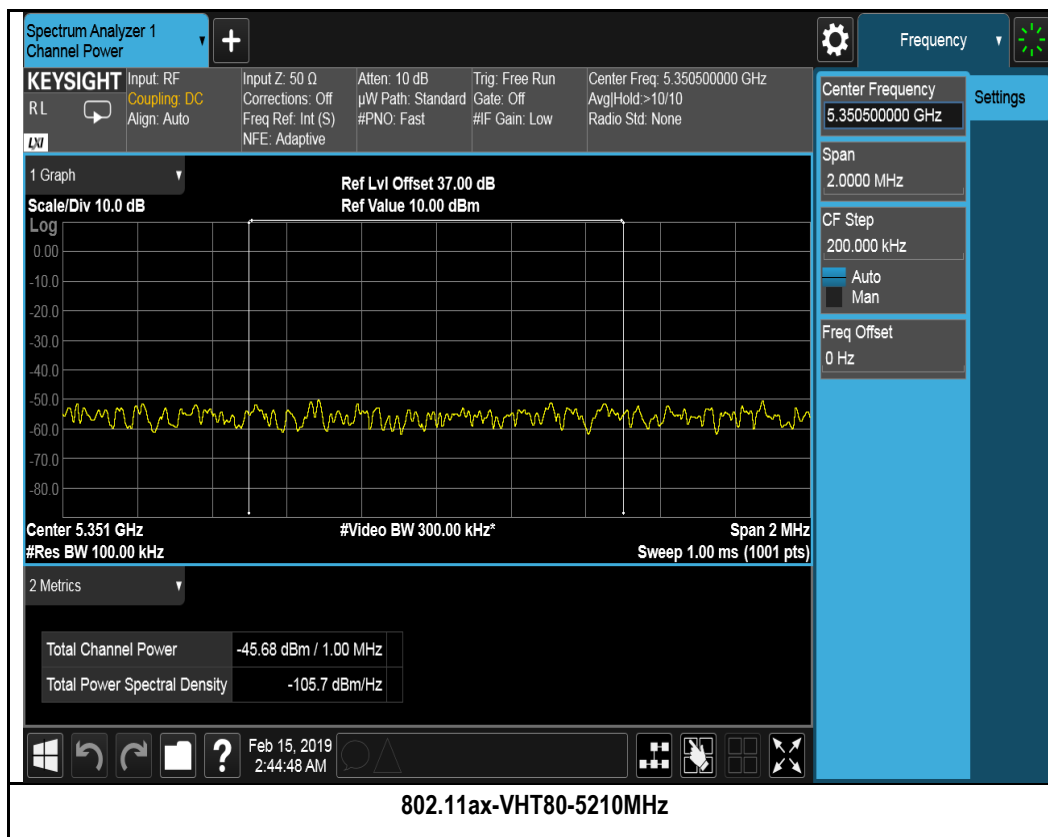




802.11ax-H420-5190MHz

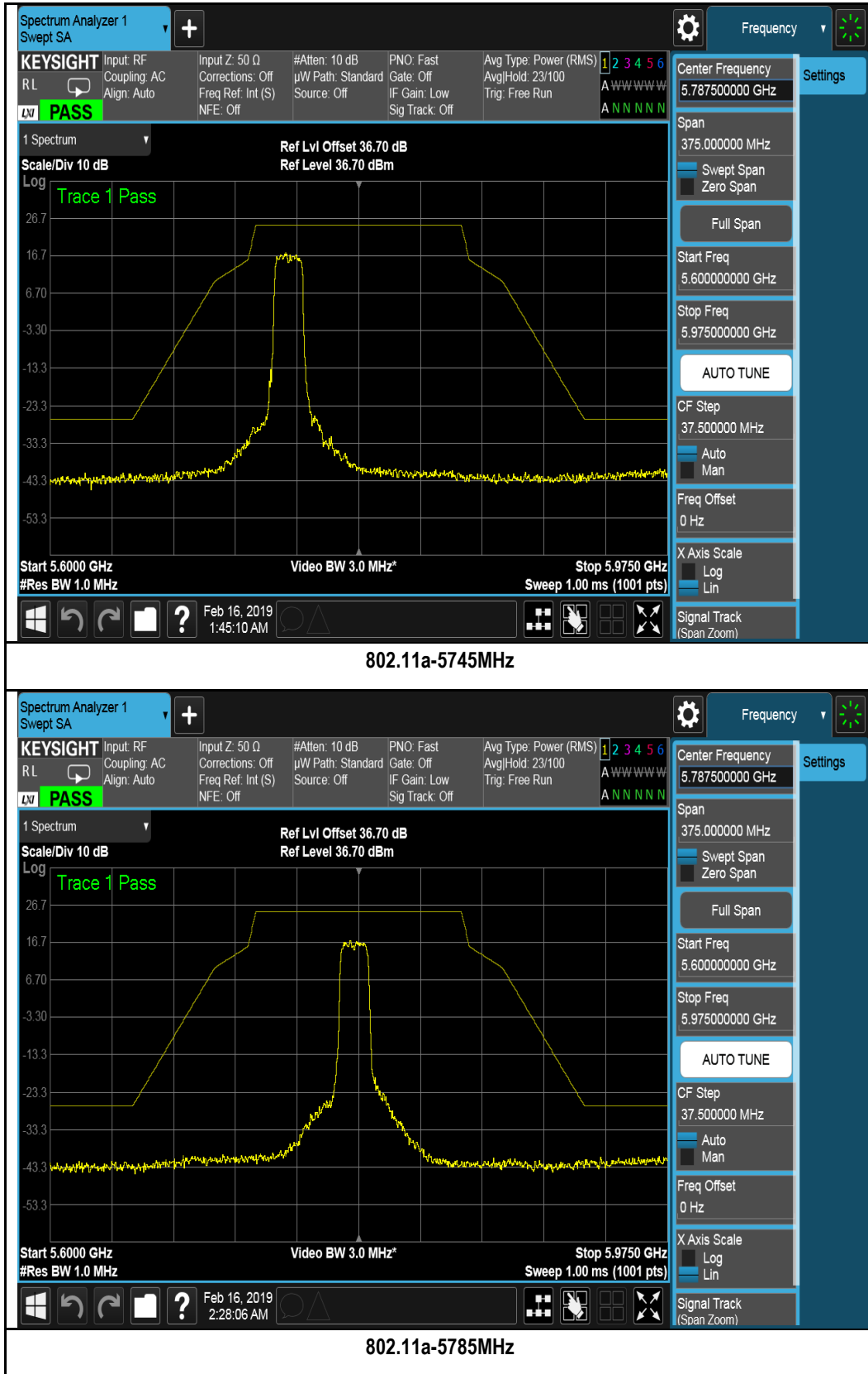


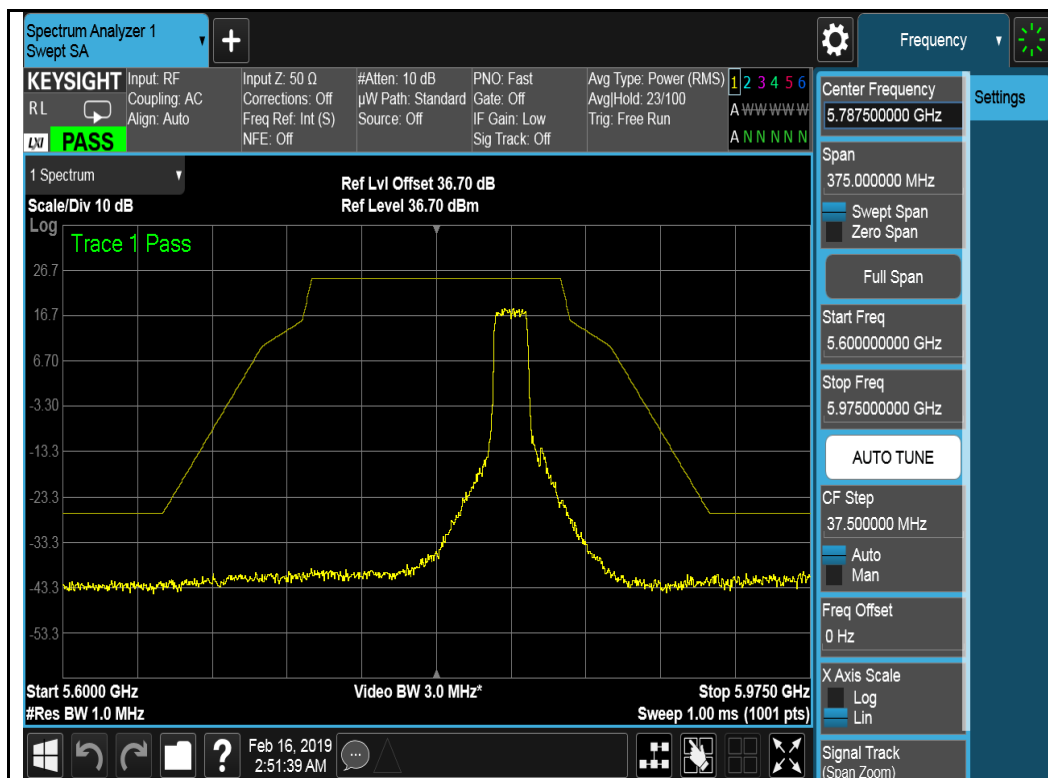
802.11ax-H420-5230MHz



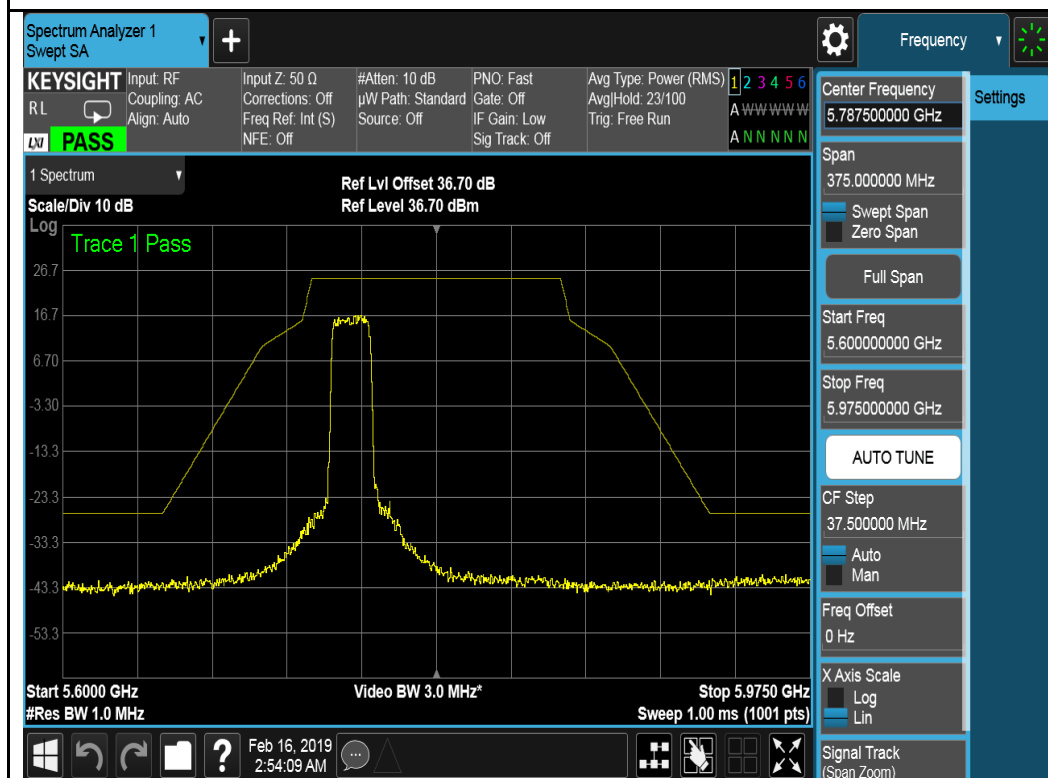
Test Plot for U-NII-3 Band:

Chain 0:

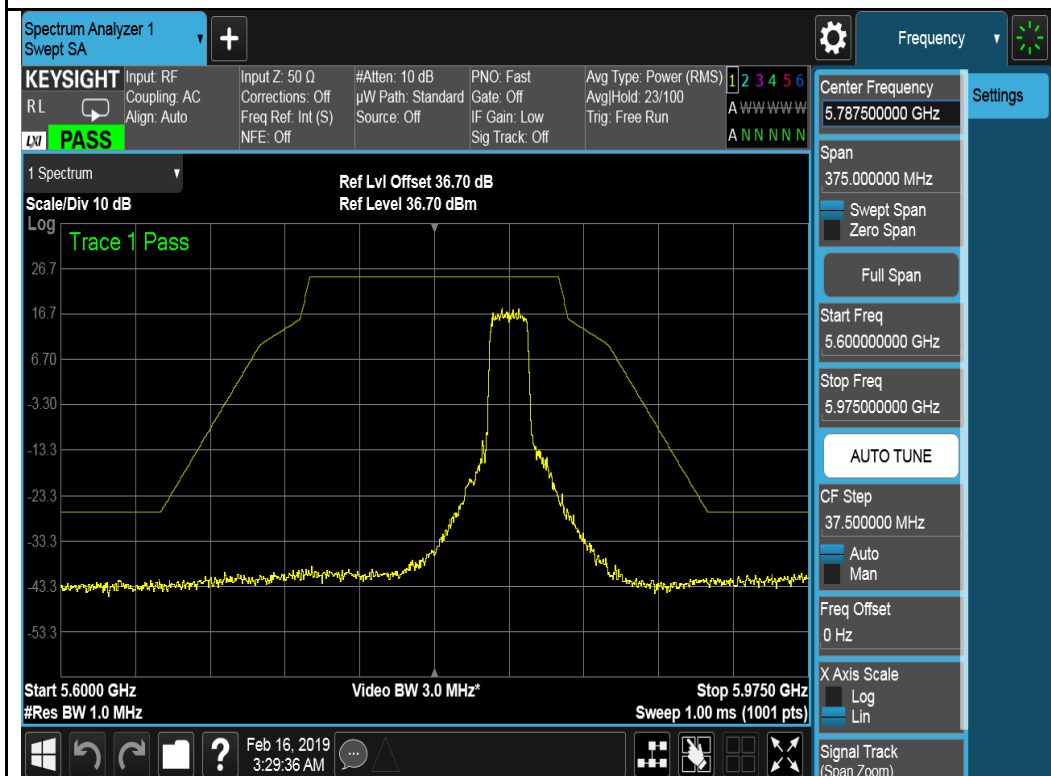
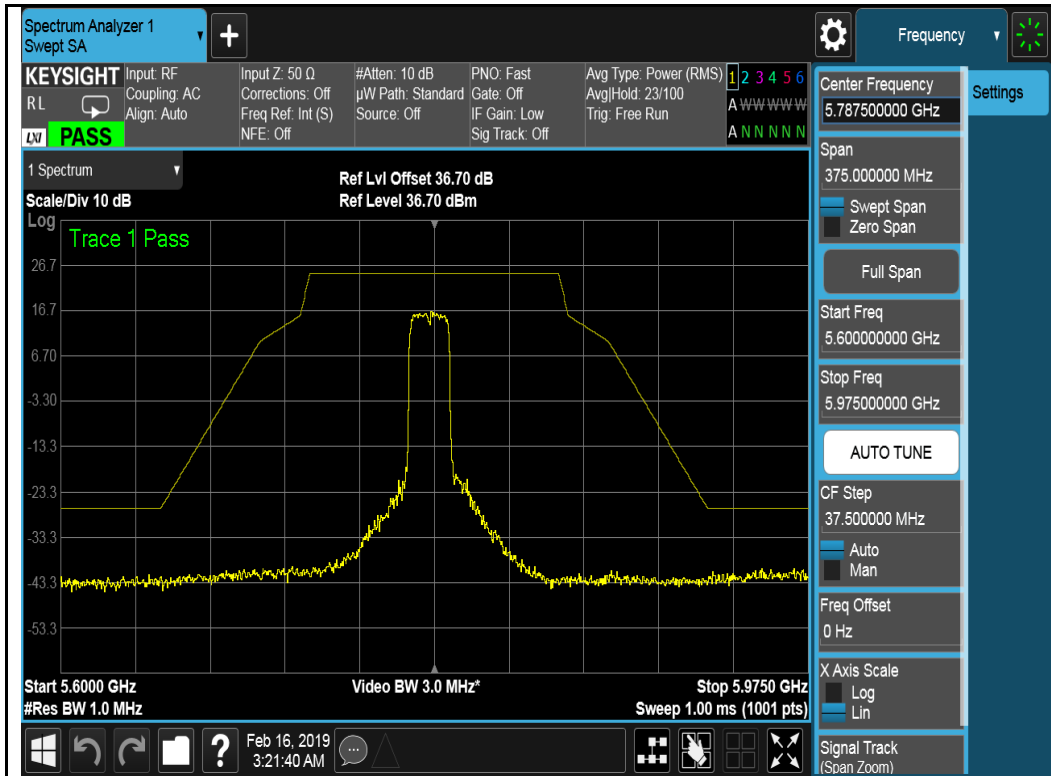




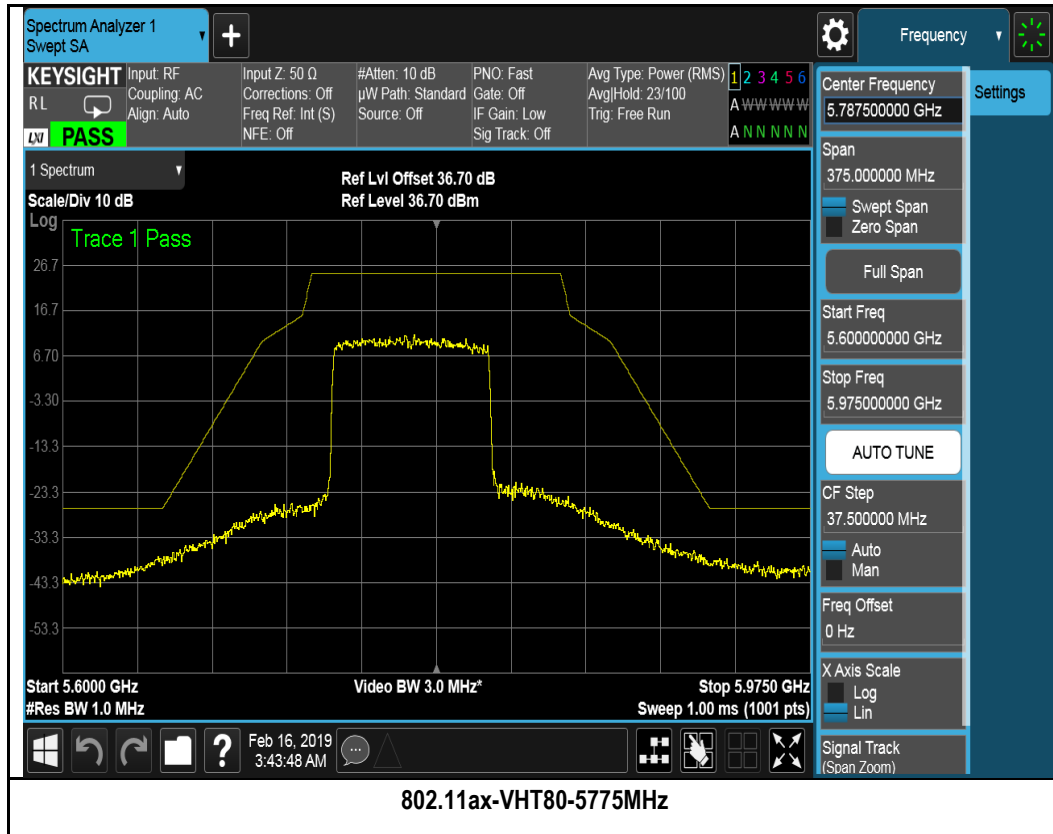
802.11a-5825MHz



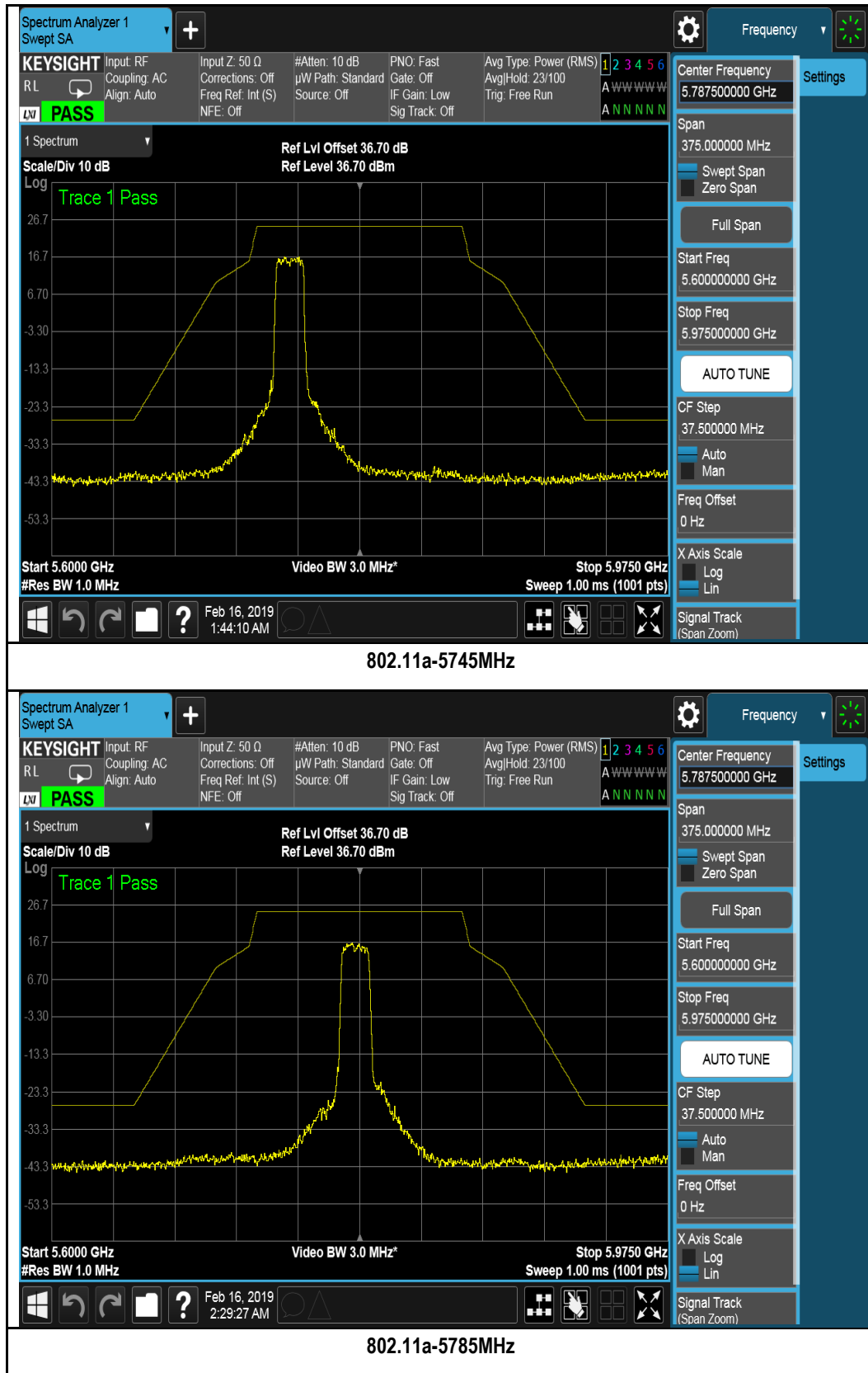
802.11ax-HT20-5745MHz

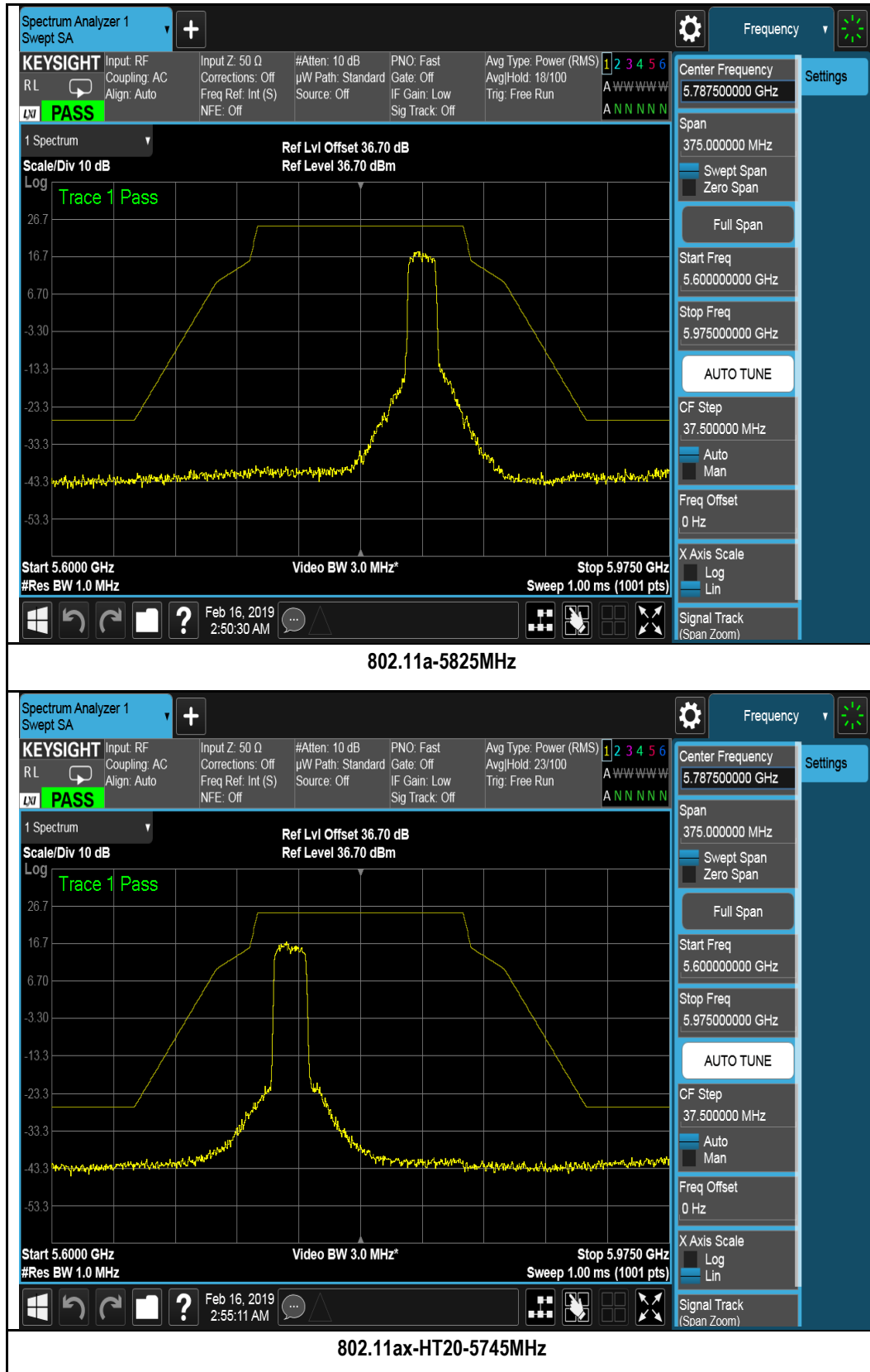


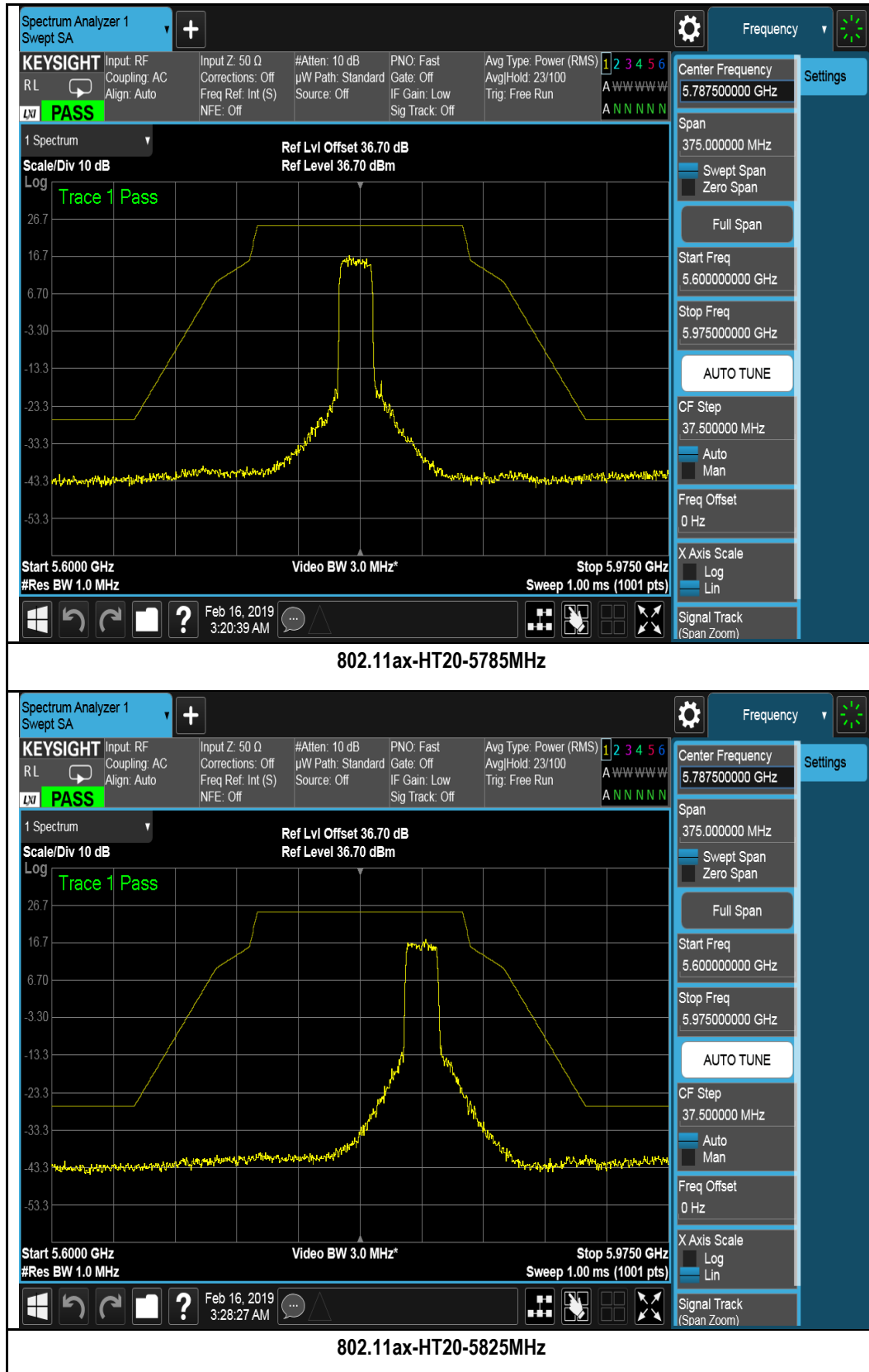


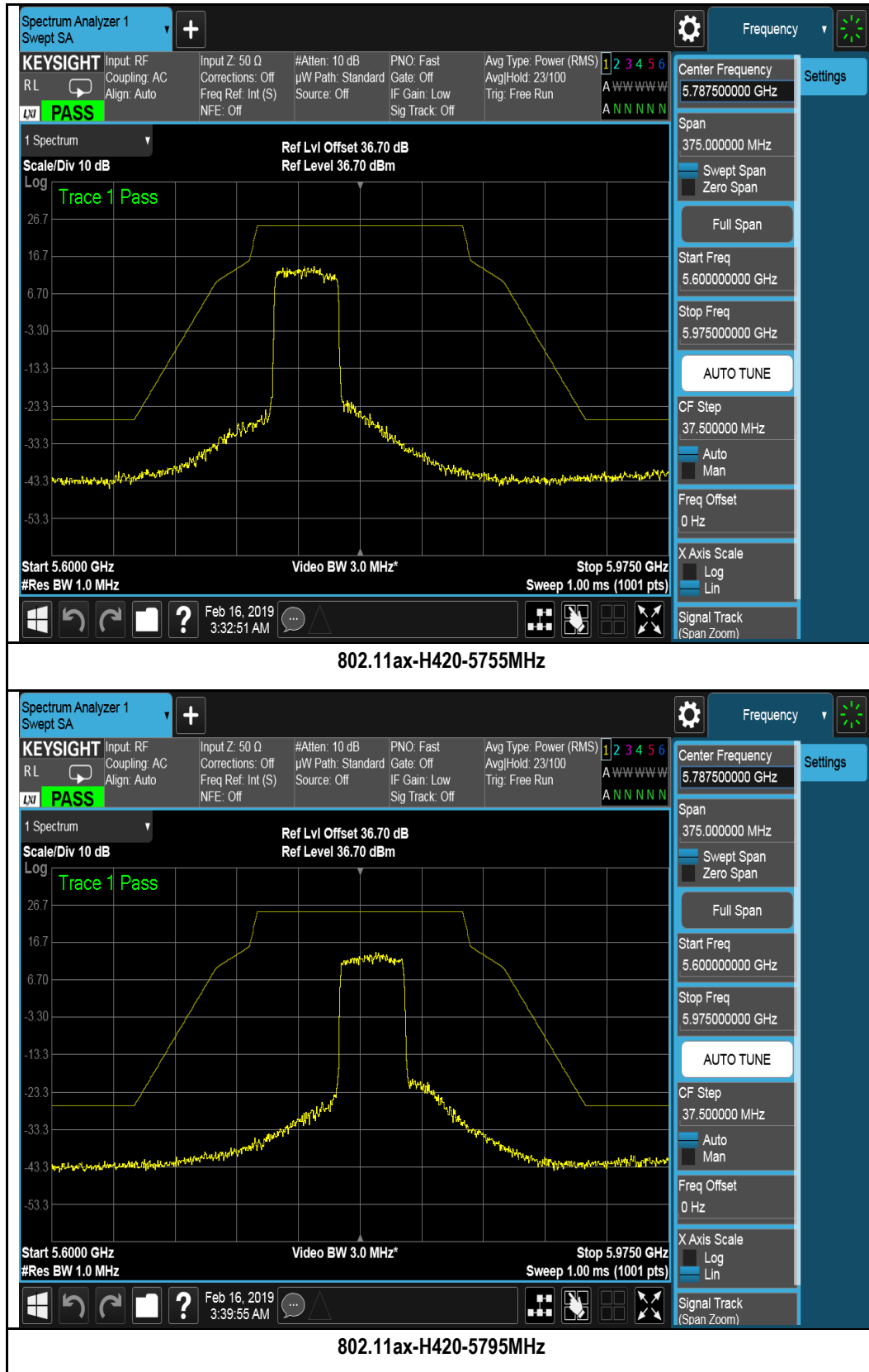


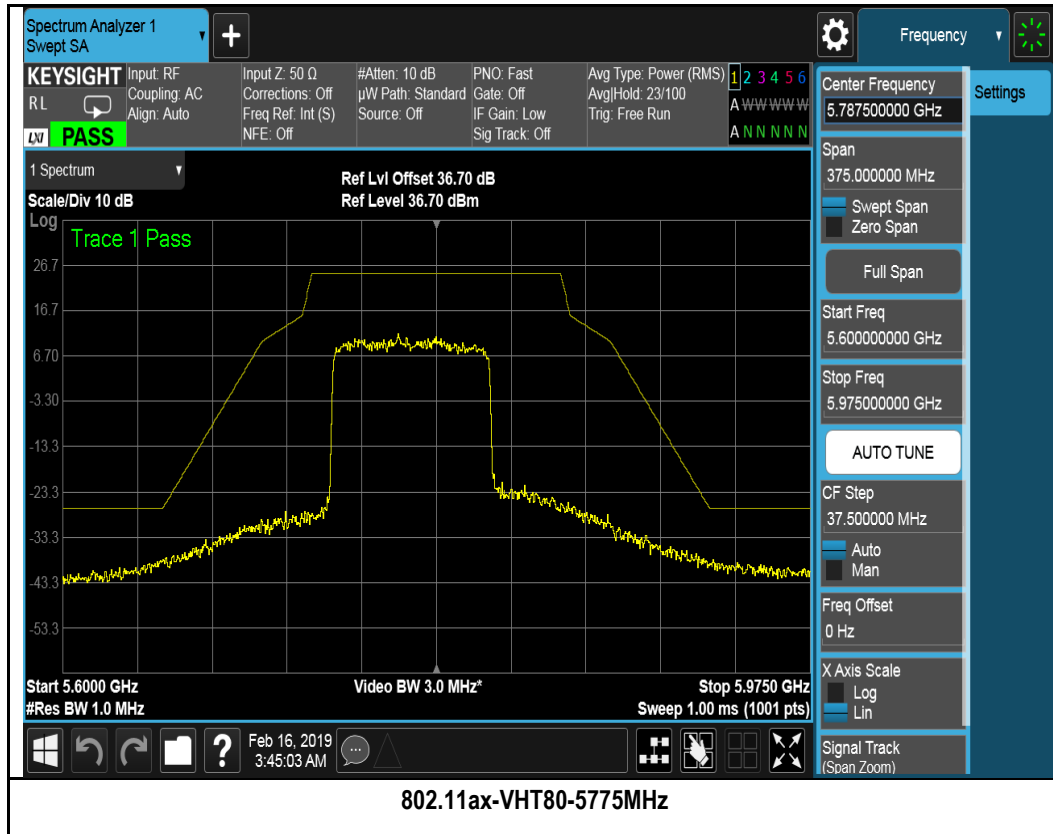
Chain 1:











Chain 2:

