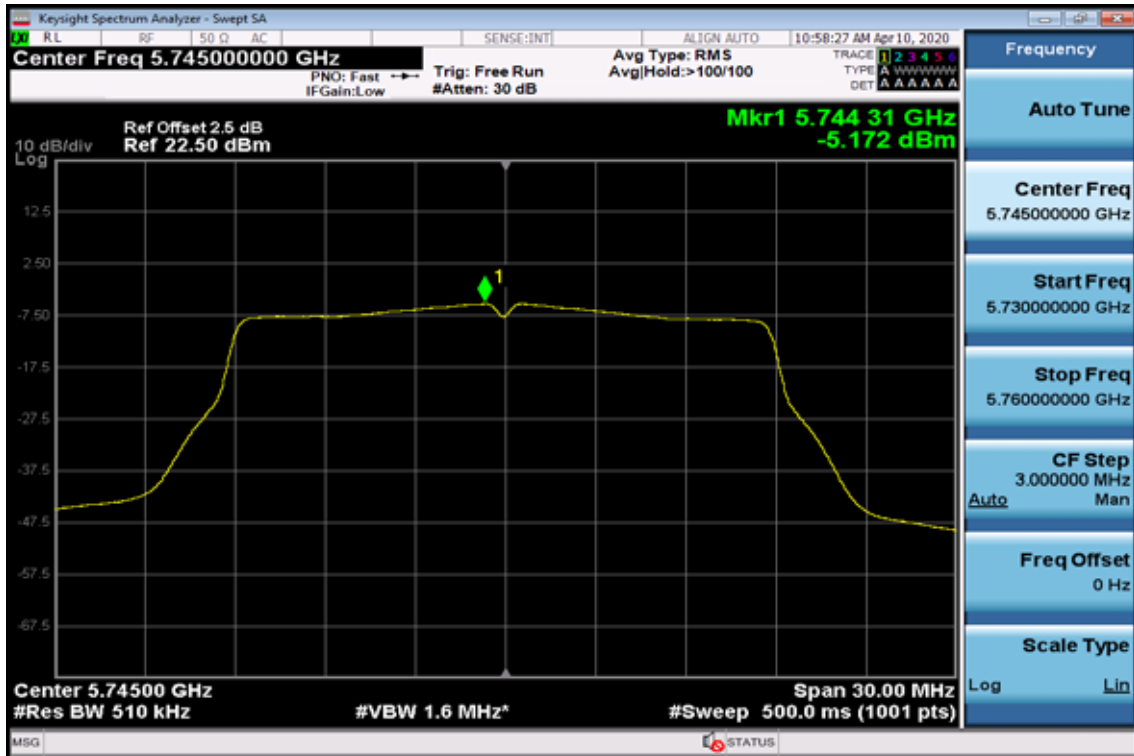
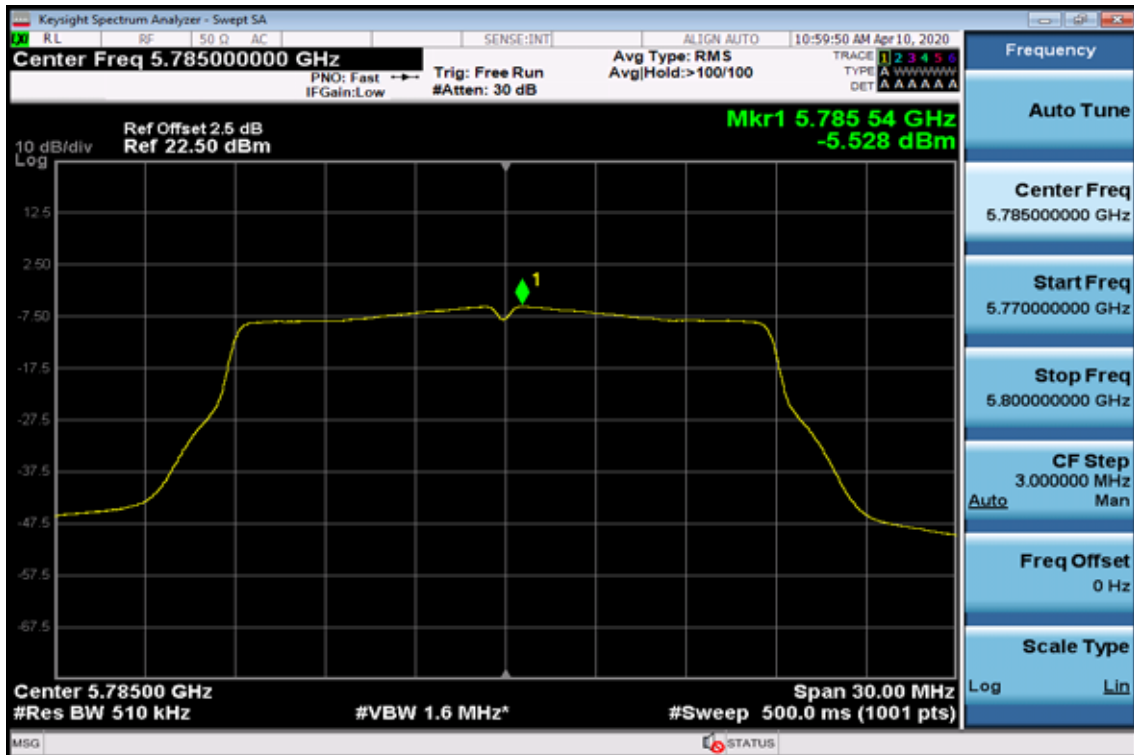


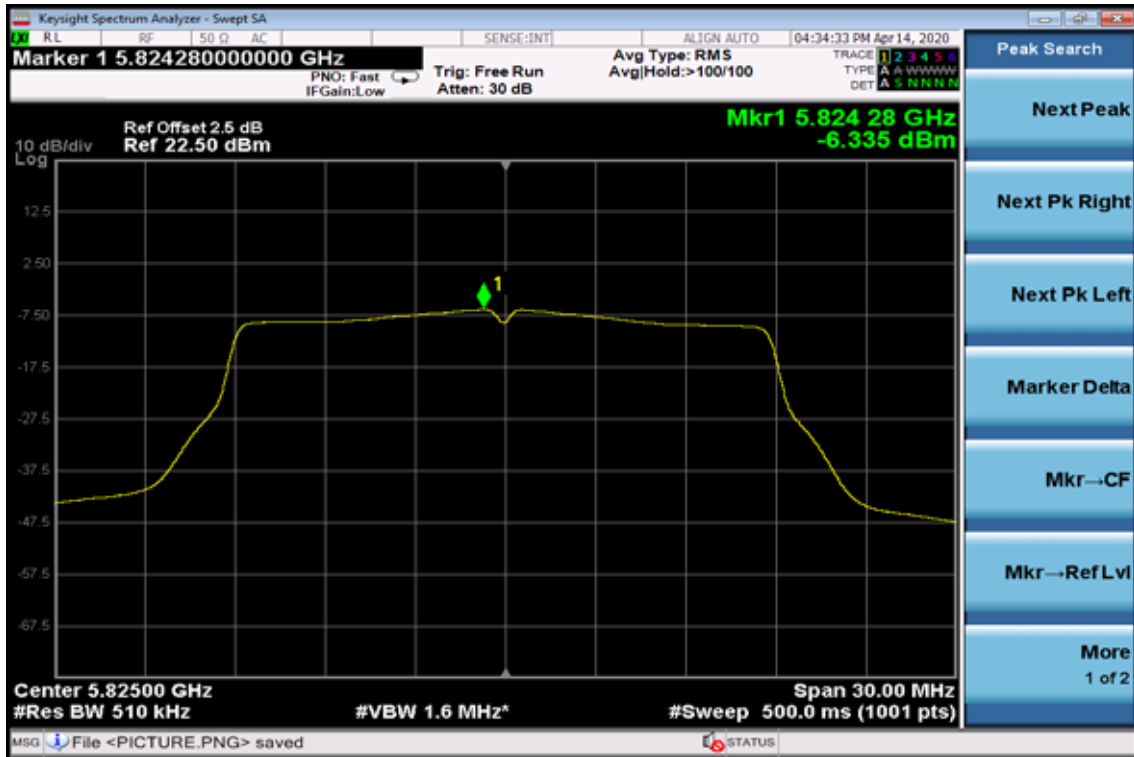
802.11ac VHT20 Power Spectral Density Test Plot (CH-Low)



Power Spectral Density Test Plot (CH-Mid)

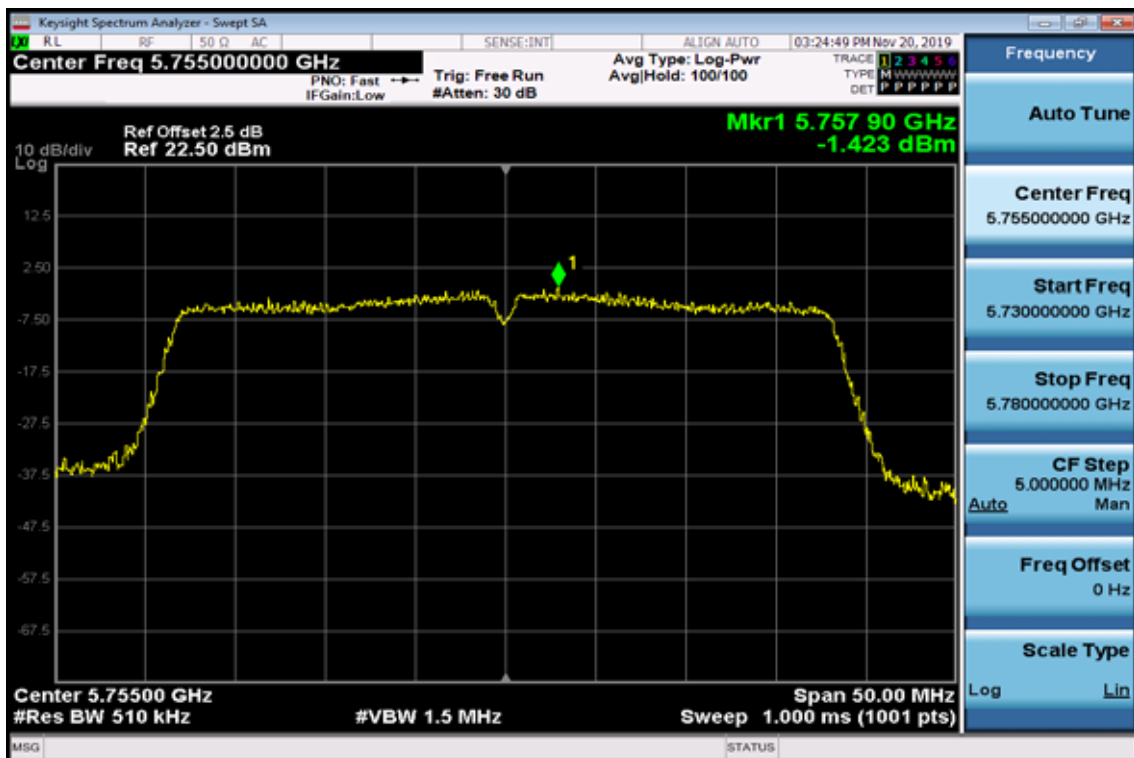


Power Spectral Density Test Plot (CH-High)

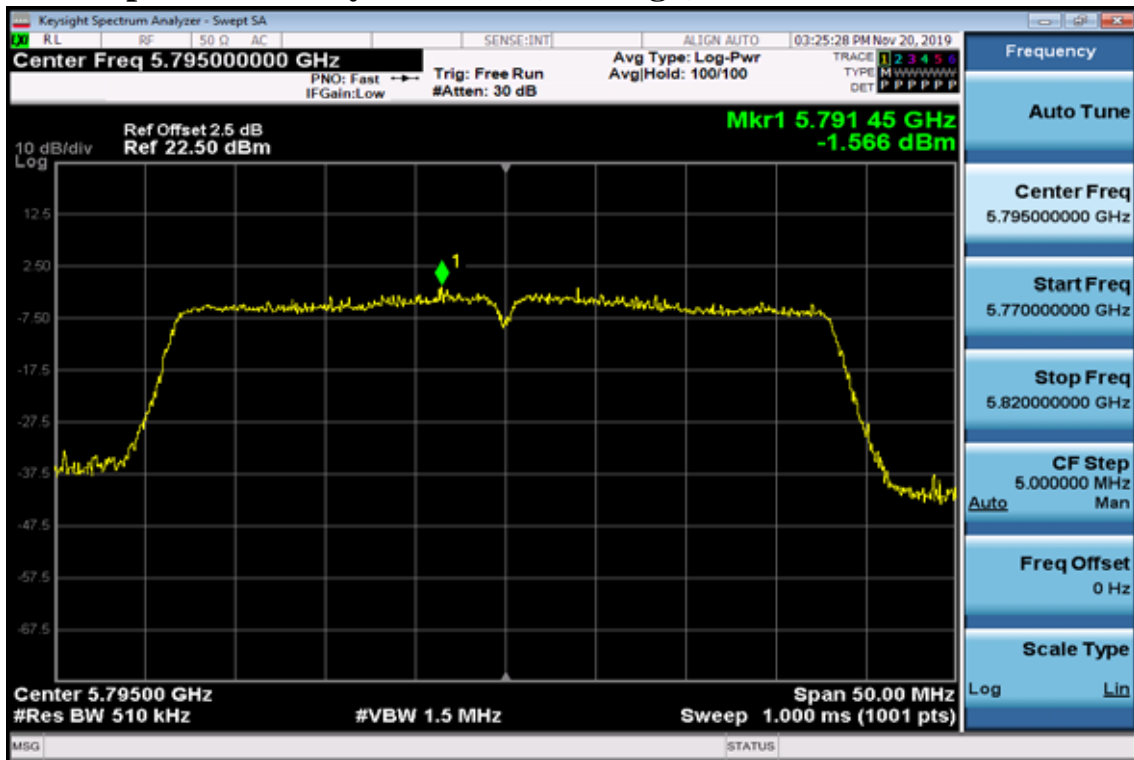


802.11n HT40

Power Spectral Density Test Plot (CH-Low)

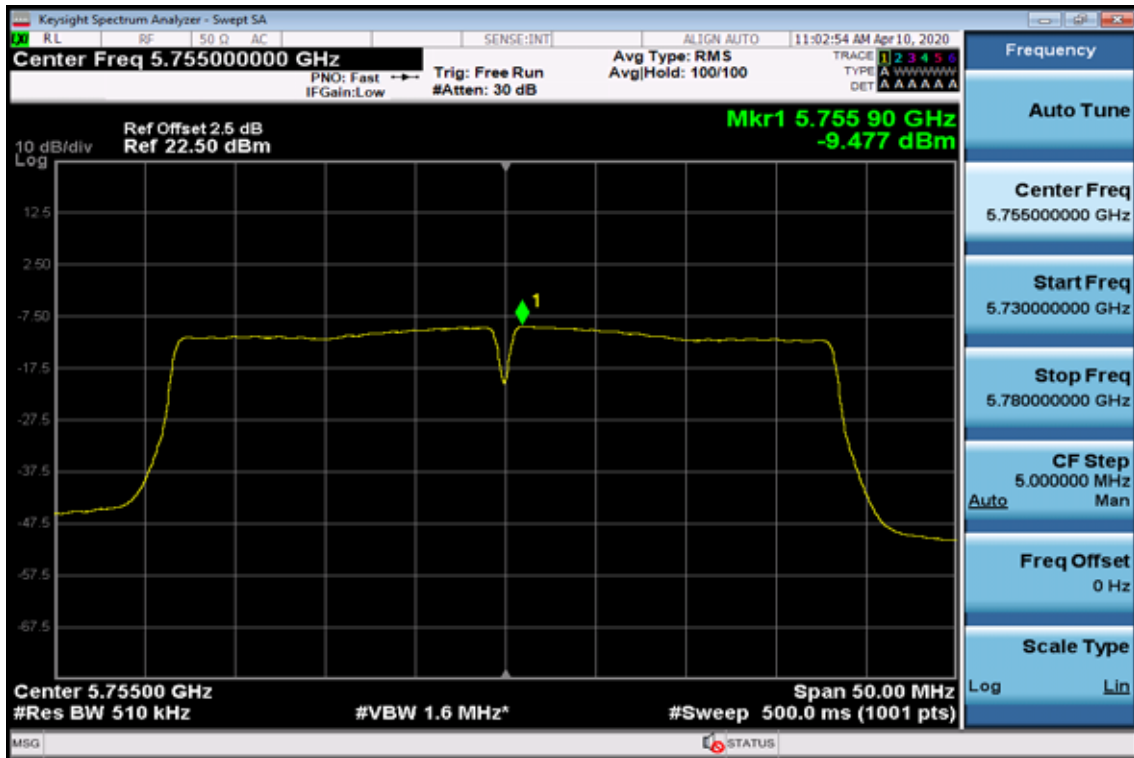


Power Spectral Density Test Plot (CH-High)

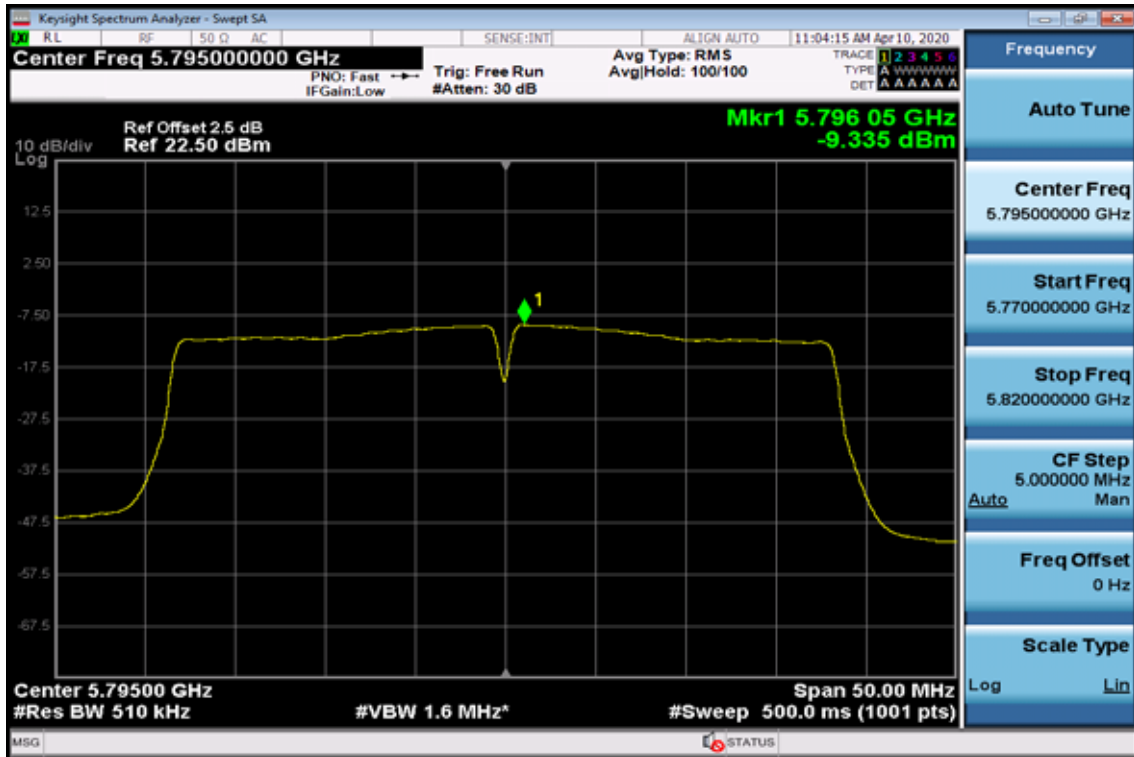


802.11ac VHT40

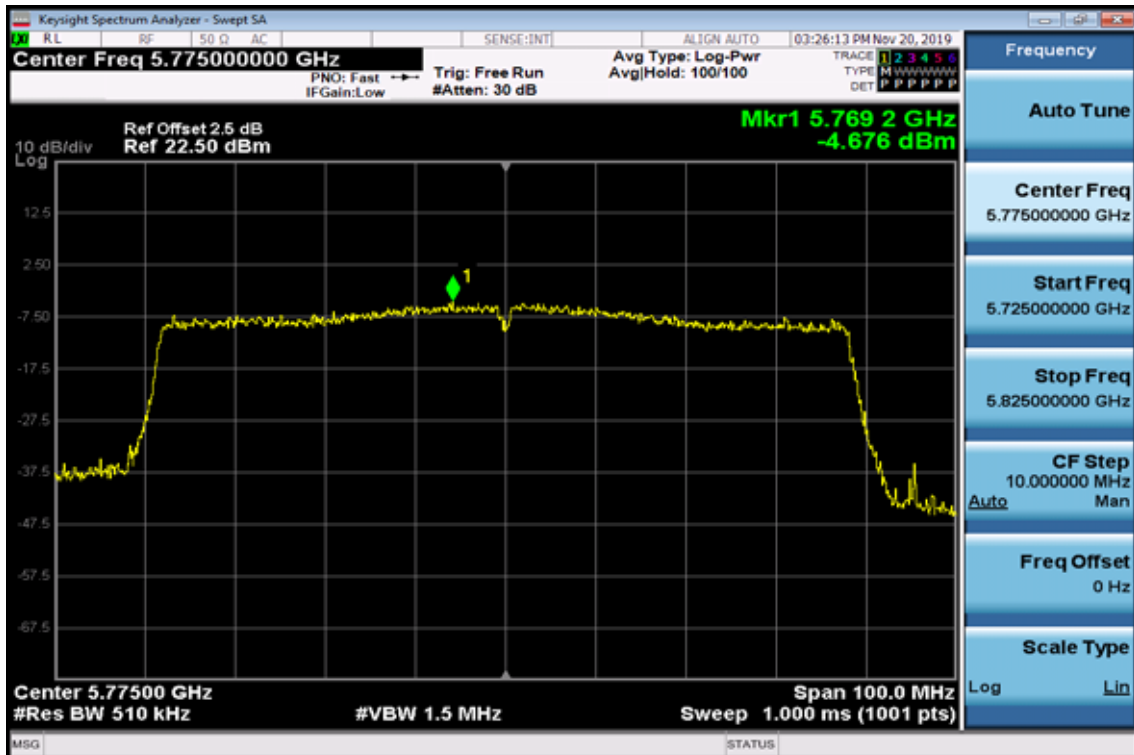
Power Spectral Density Test Plot (CH-Low)



Power Spectral Density Test Plot (CH-High)



802.11 ac VHT80,
Power Spectral Density Test Plot



7. 26dB /99% Emission Bandwidth Measurement

7.1. Standard Applicable

According to §15.407(a) for band 1,2,3. No Limit required.

7.2. Measurement Procedure

2. Place the EUT on the table and set it in transmitting mode.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
4. Set the spectrum analyzer as RBW=300kHz, VBW =1MHz, Span= 50MHz, Sweep=auto
5. Mark the peak frequency and -26dB (upper and lower) frequency.
6. Repeat above procedures until all frequency measured were complete.

Refer to section D of KDB Document: KDB 789033 D02 General UNII Test Procedures New Rules v01r03

7.3. Measurement Equipment Used:

Refer to section 6.3 for details.

7.4. Test Set-up:

Refer to section 6.4 for details.

7.5. Measurement Result

802.11a Mode

Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
5180	21.48	16.92
5200	21.57	16.90
5240	21.56	16.89
5260	21.42	16.93
5280	21.52	16.92
5320	21.42	16.91
5500	21.62	16.90
5600	21.55	16.89
5700	21.55	16.92

802.11n HT20 Mode

Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
5180	21.52	18.00
5200	21.64	17.97
5240	21.73	18.00
5260	21.61	17.99
5280	21.45	18.02
5320	21.41	17.99
5500	21.81	17.99
5600	21.54	18.03
5700	21.70	18.01

802.11ac VHT20 Mode

Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
5180	22.09	18.09
5200	21.79	17.96
5240	21.59	18.01
5260	21.62	17.96
5300	21.54	18.00
5320	21.58	18.03
5500	21.59	18.03
5580	21.66	18.01
5700	21.76	18.01

802.11n HT40 Mode

Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
5190	39.88	36.25
5230	39.94	36.27
5270	40.06	36.32
5310	40.02	36.23
5510	40.08	36.32
5590	40.05	36.30
5670	40.02	36.31

802.11ac VHT40 Mode

Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
5190	40.00	36.28
5230	39.90	36.35
5270	39.96	36.22
5310	39.93	36.33
5510	39.95	36.33
5550	39.82	36.33
5670	39.94	36.28

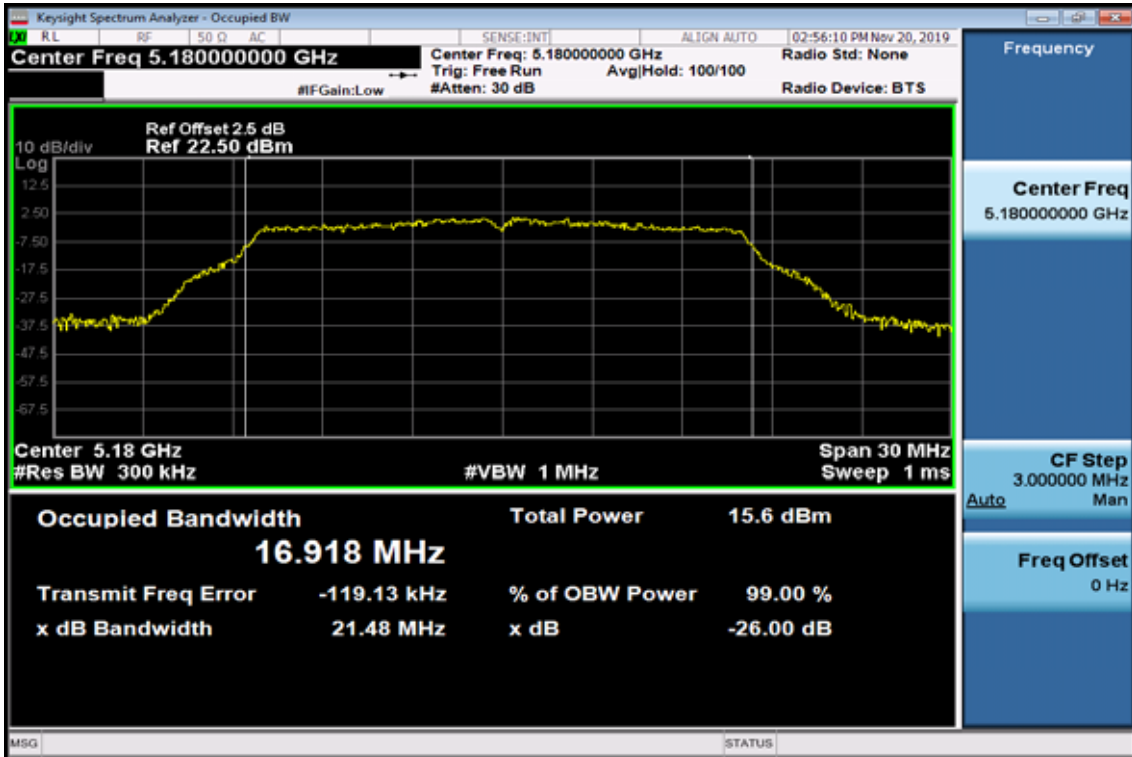
802.11ac VHT80 Mode

Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
5210	81.36	75.35
5290	81.47	75.52
5530	81.85	75.41
5610	81.65	75.57

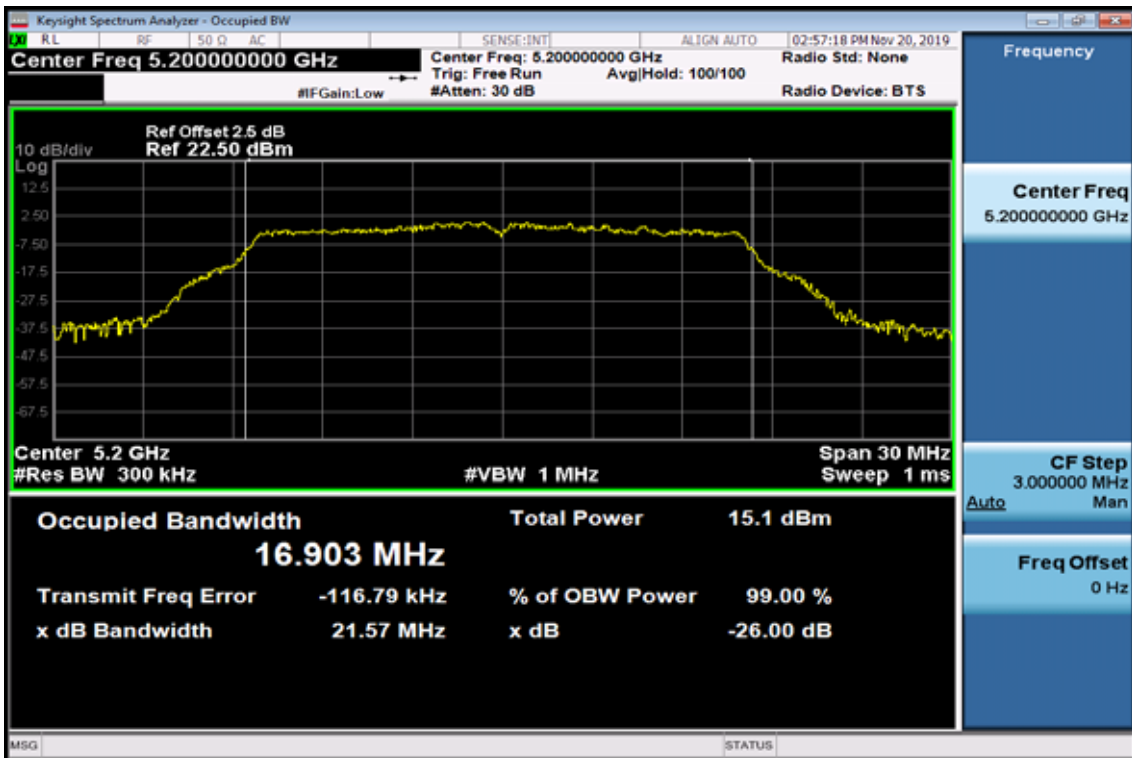
Band UNII-1

802.11a

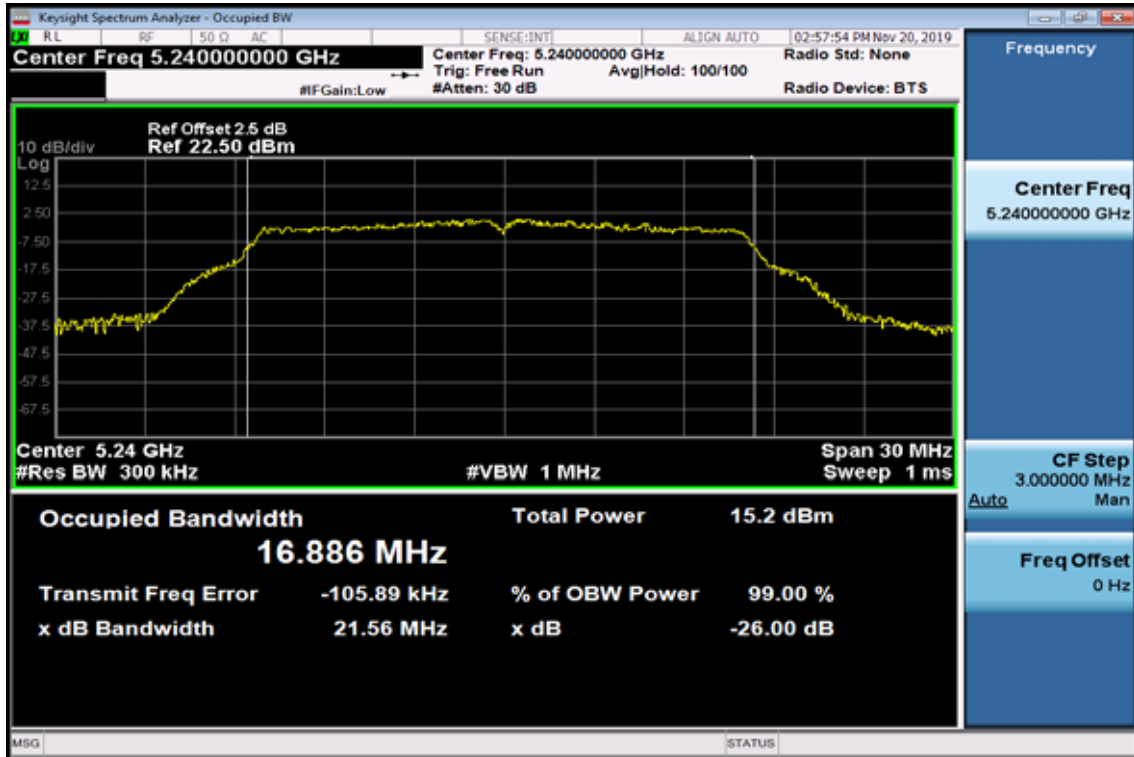
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

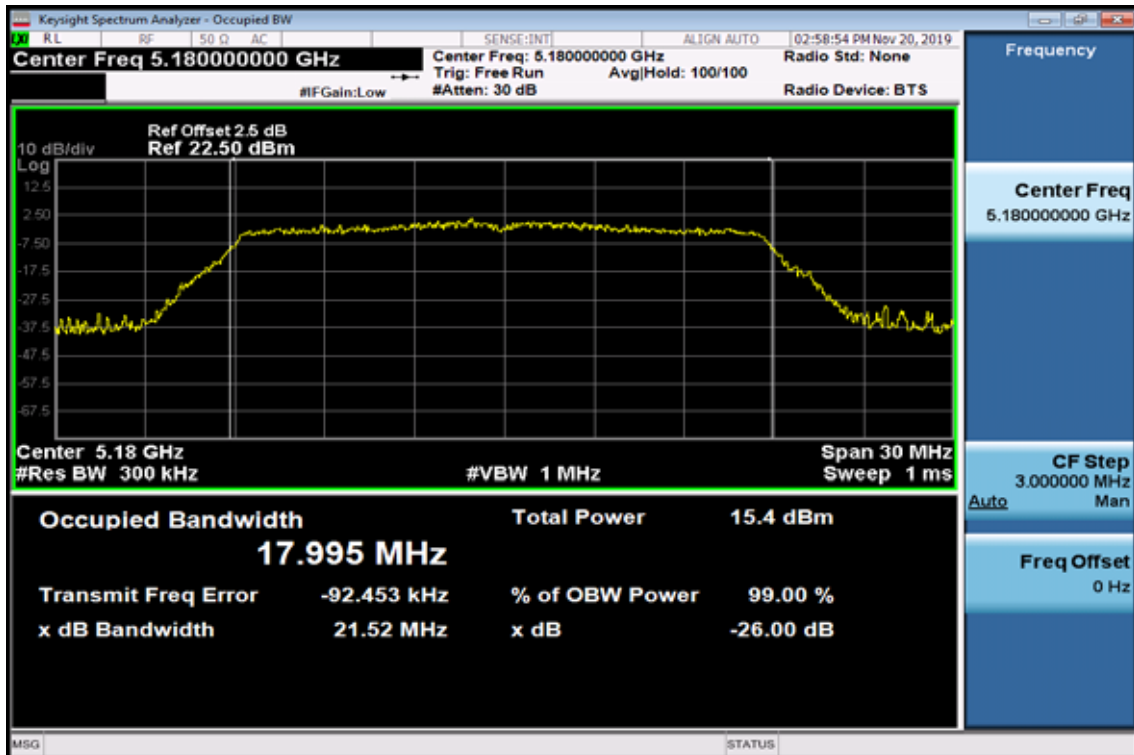


26dB / 99% Band Width Test Data CH-High

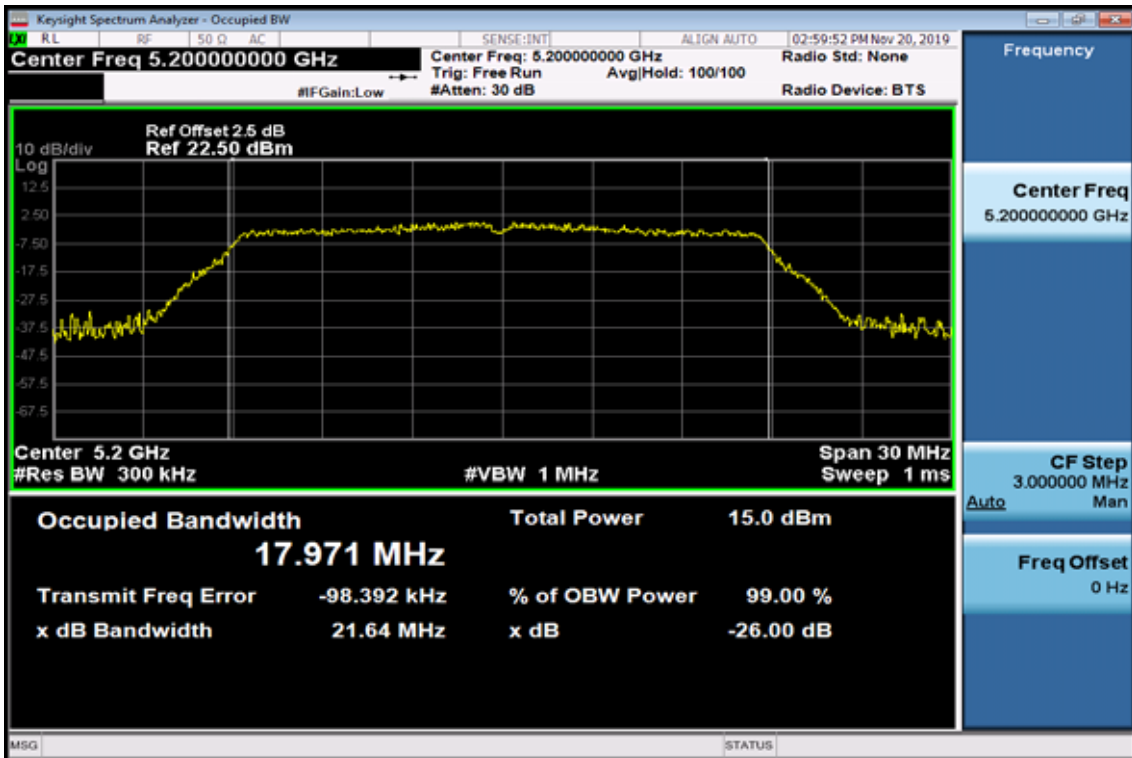


802.11n HT20

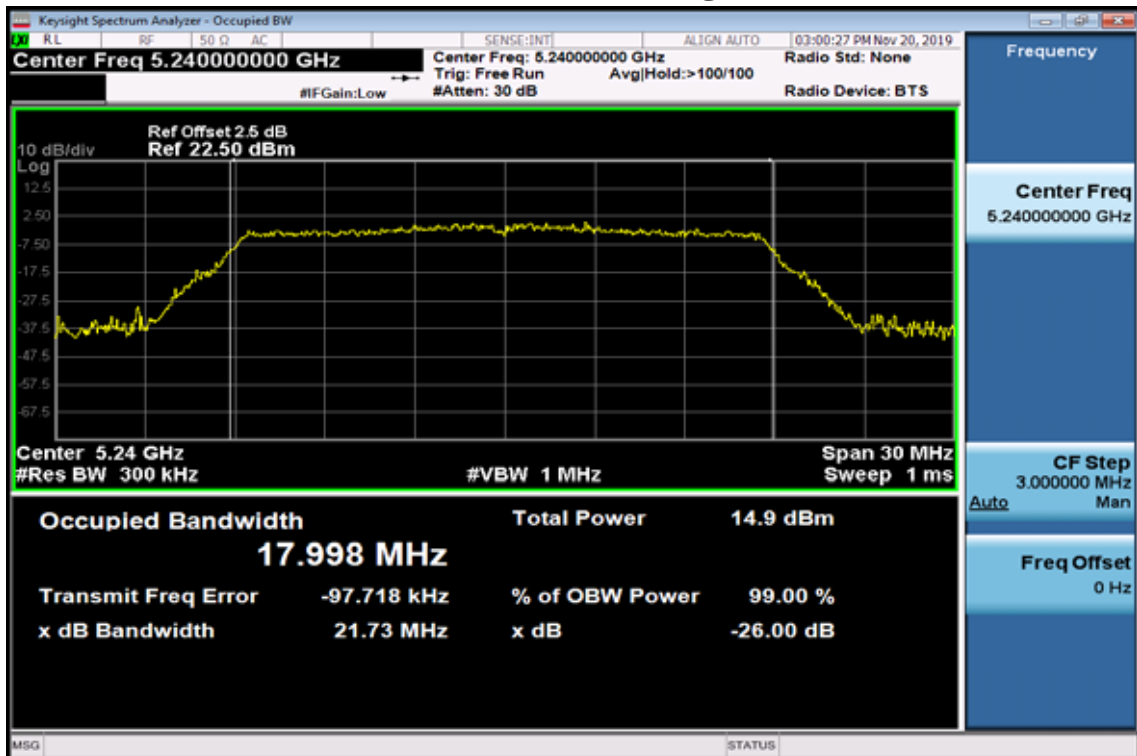
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

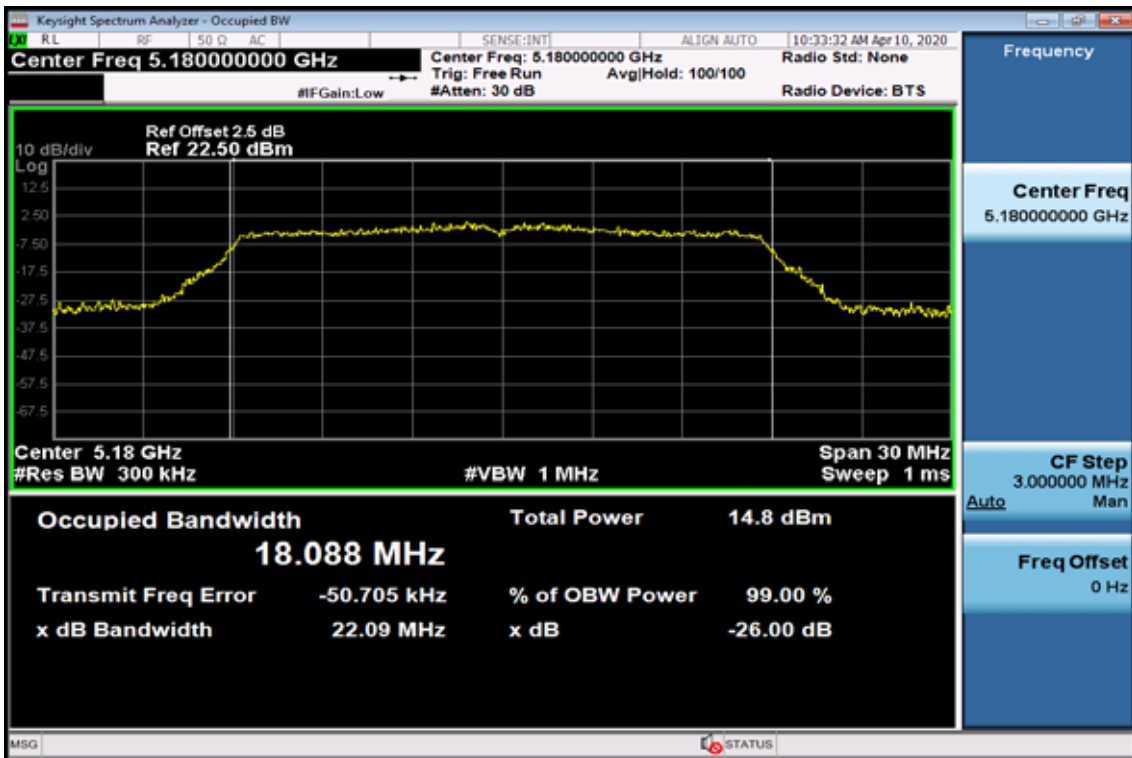


26dB / 99% Band Width Test Data CH-High

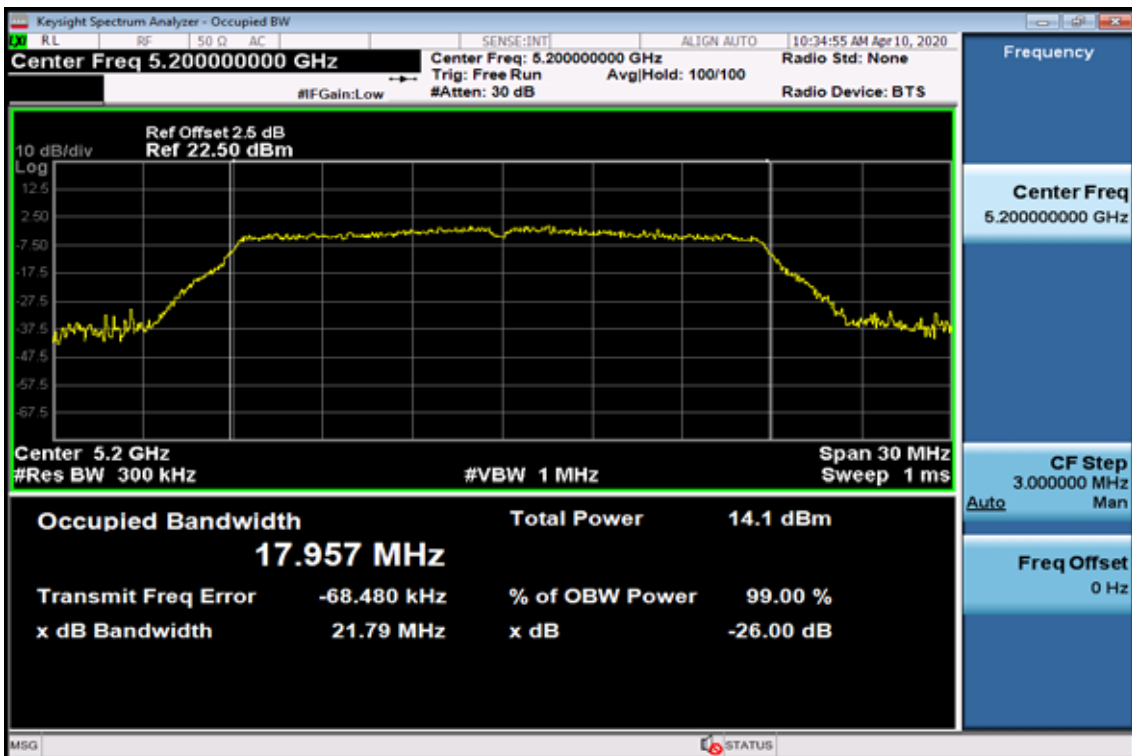


802.11ac VHT20

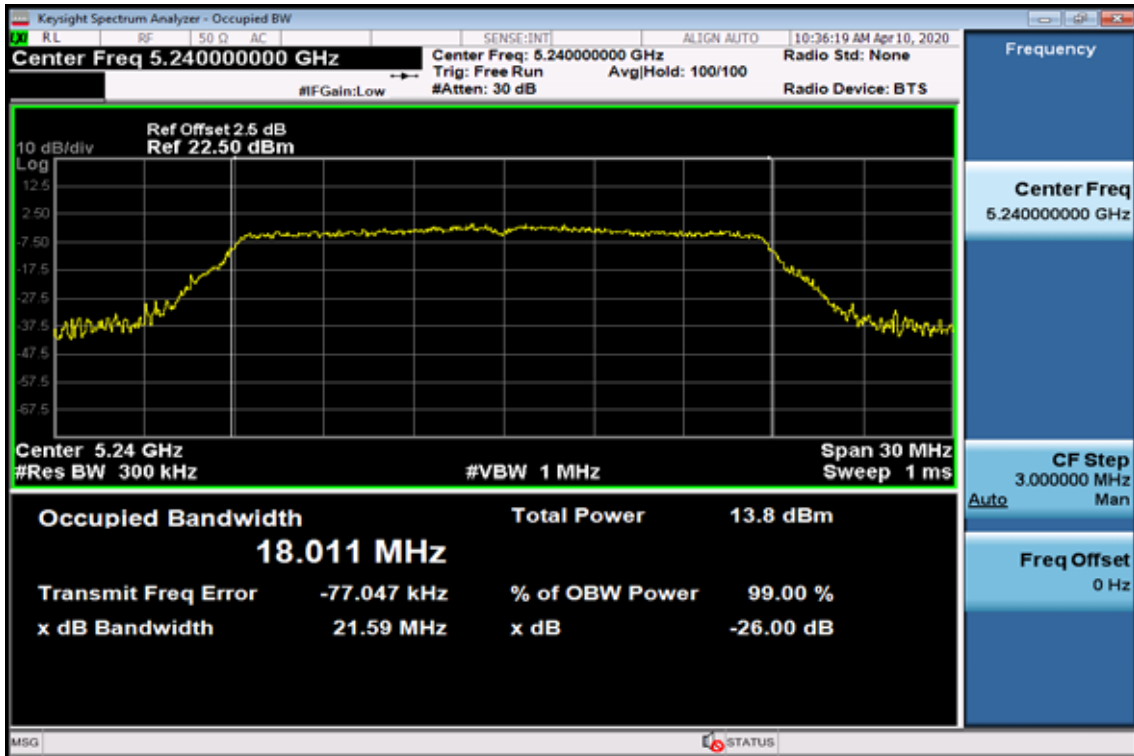
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

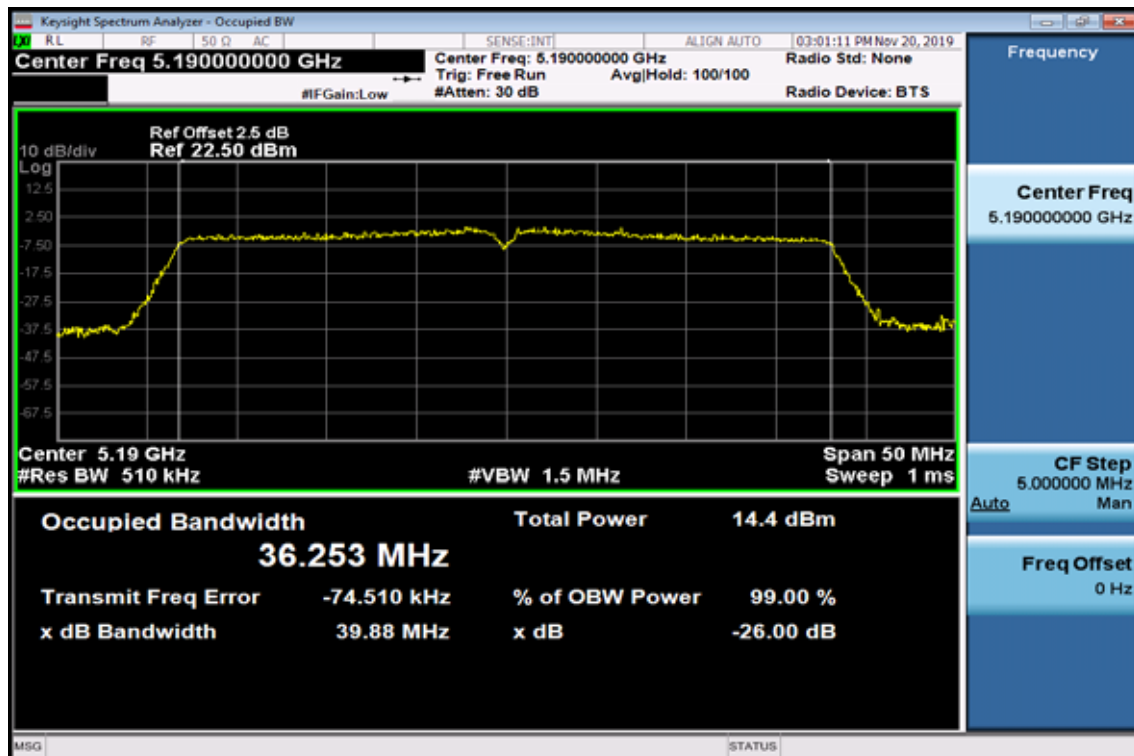


26dB / 99% Band Width Test Data CH-High

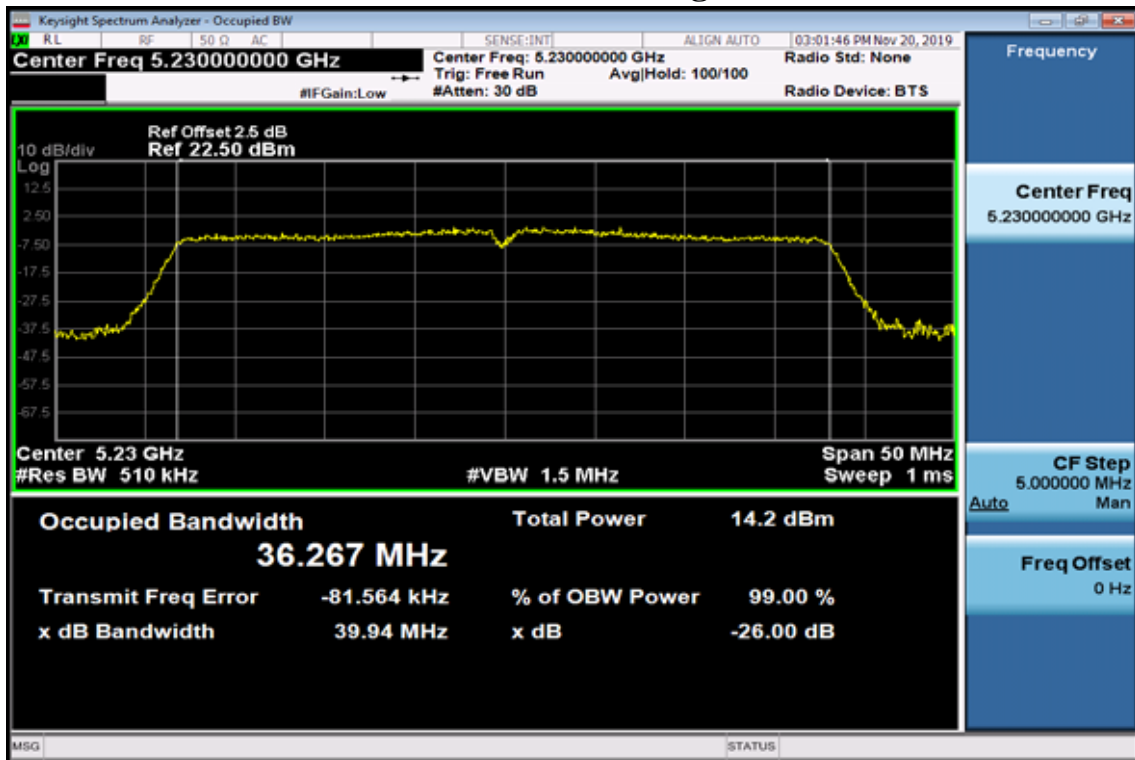


802.11n HT40

26dB / 99% Band Width Test Data CH-Low

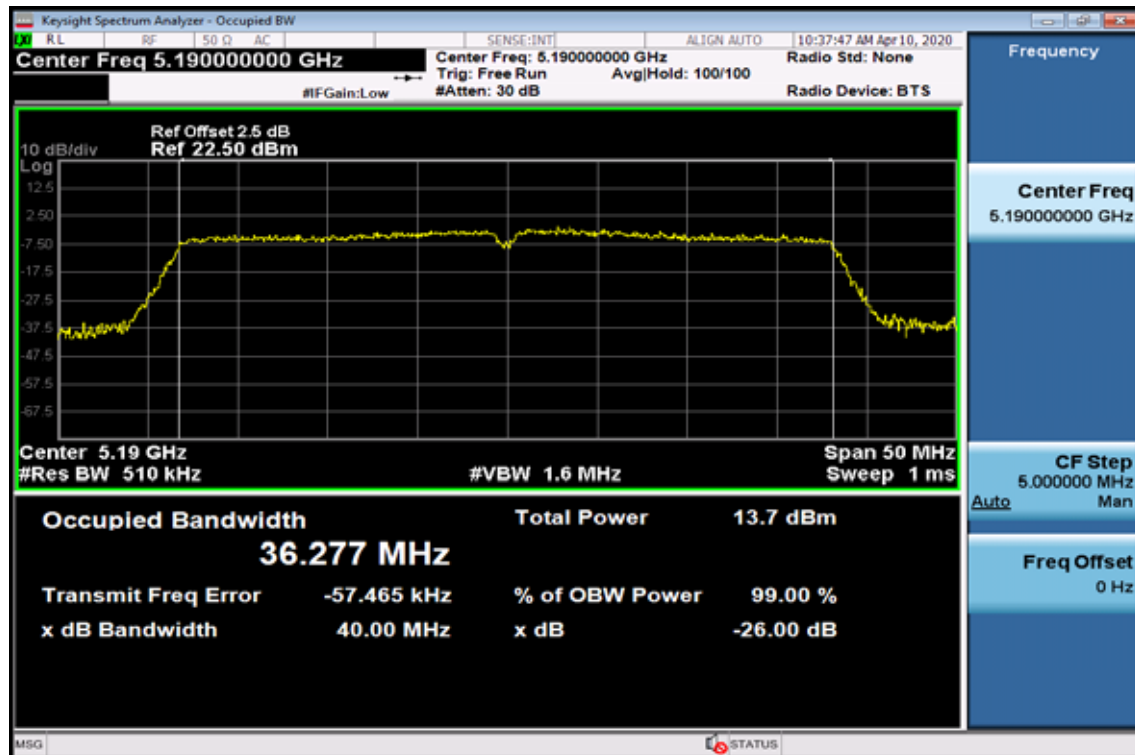


26dB / 99% Band Width Test Data CH-High

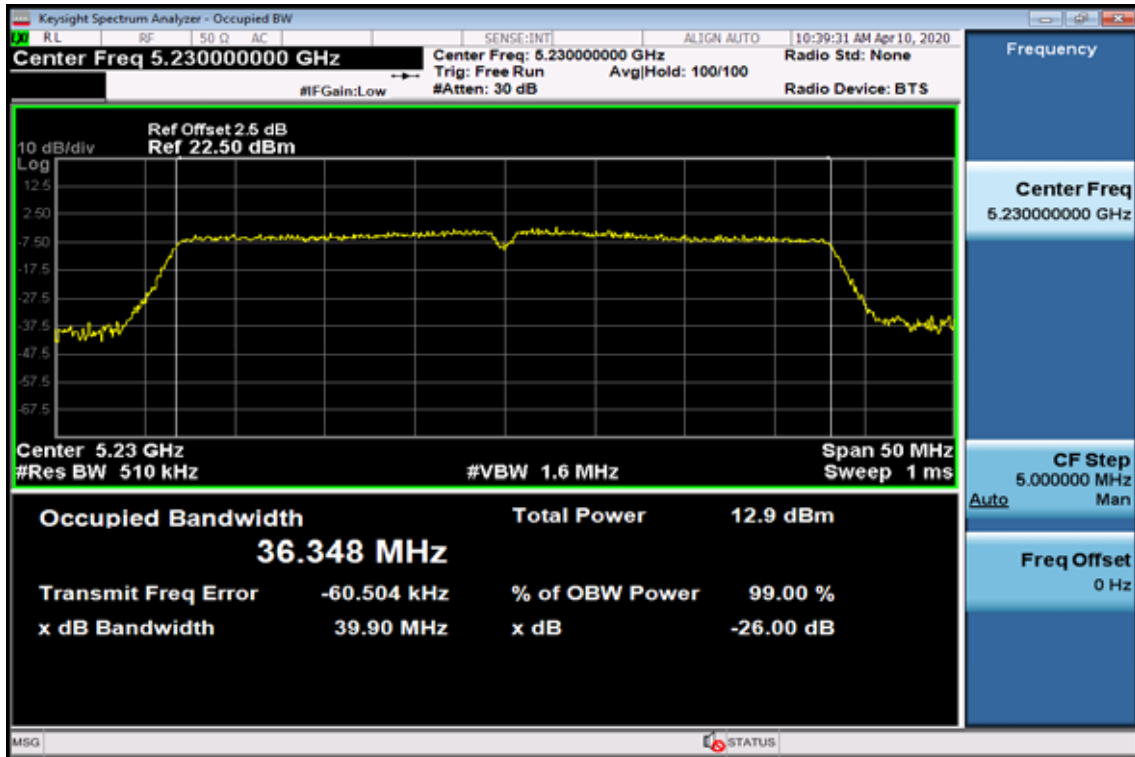


802.11ac VHT40

26dB / 99% Band Width Test Data CH-Low

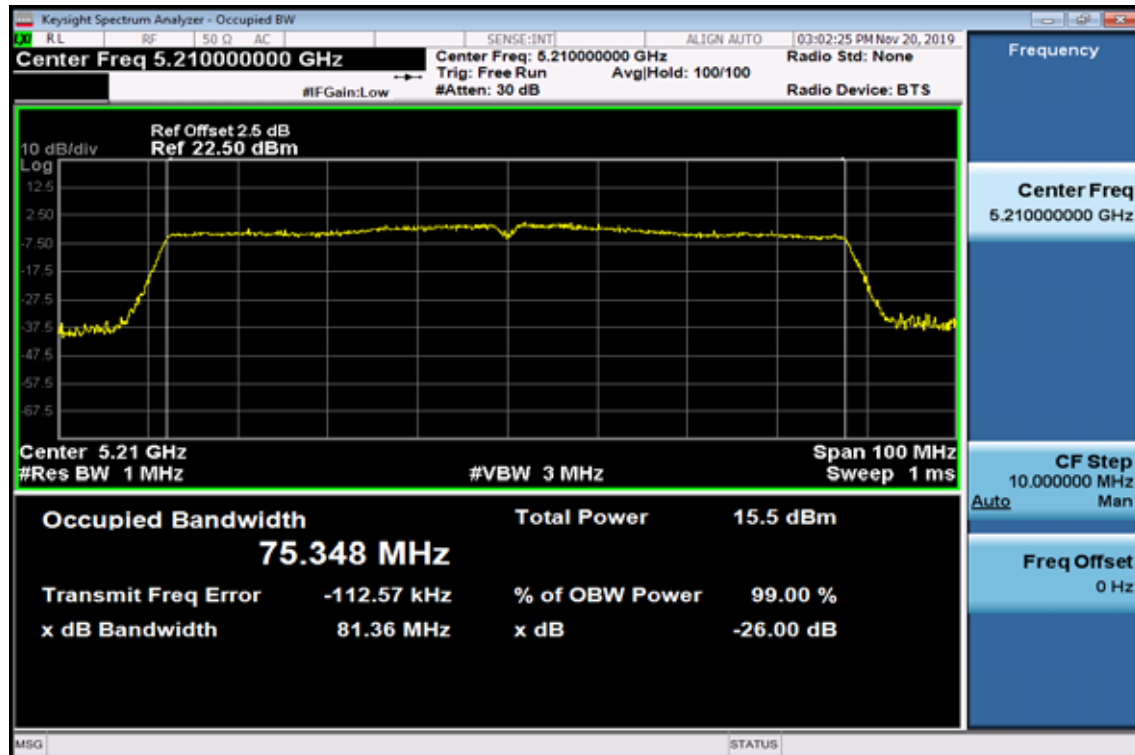


26dB / 99% Band Width Test Data CH-High



802.11 ac VHT80

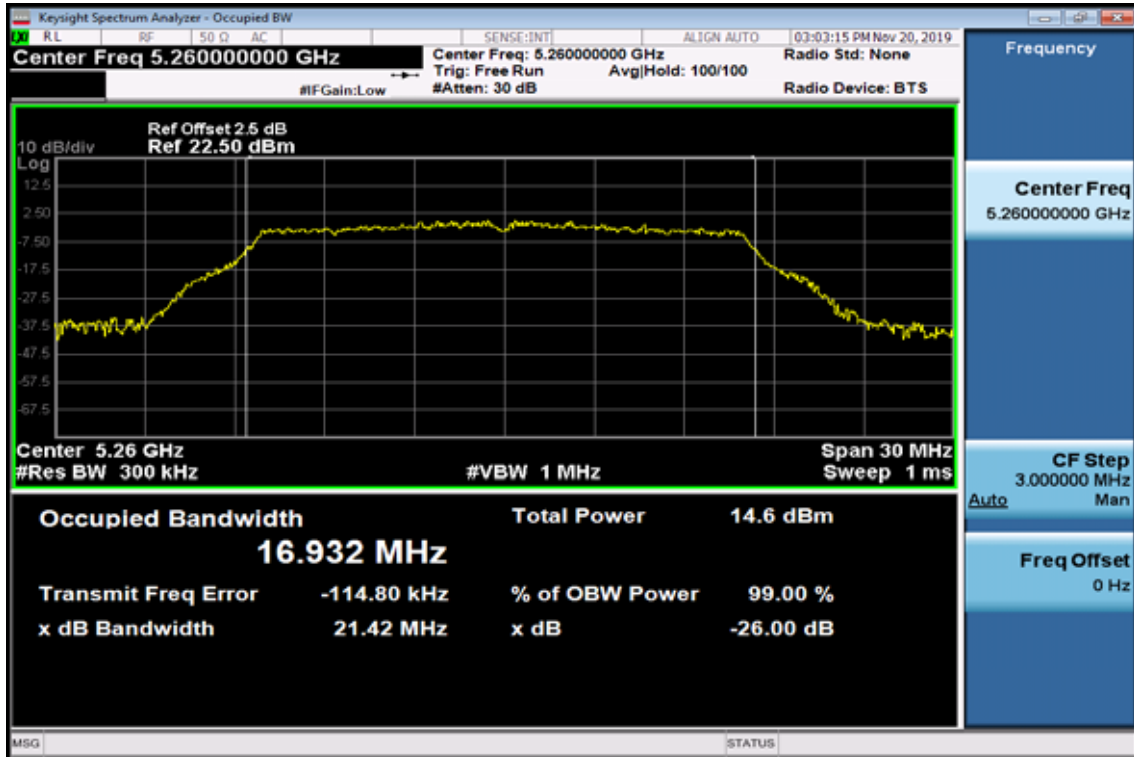
26dB / 99% Band Width Test Data



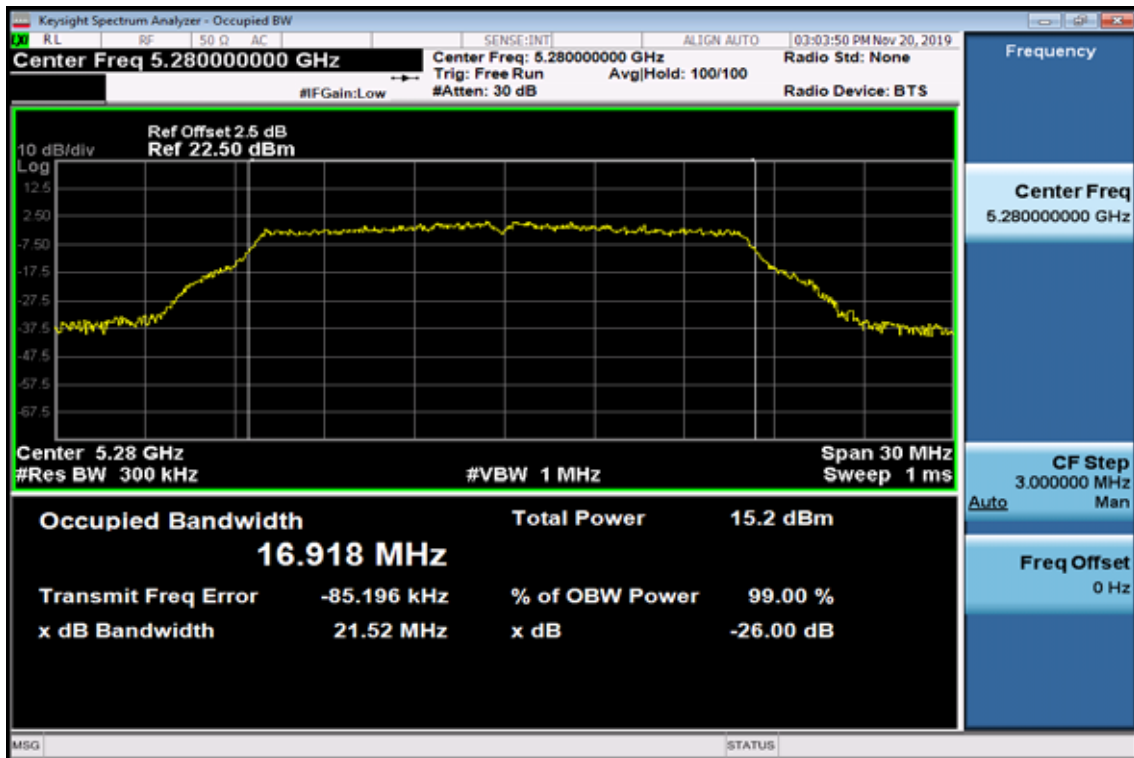
Band UNII-2A

802.11a

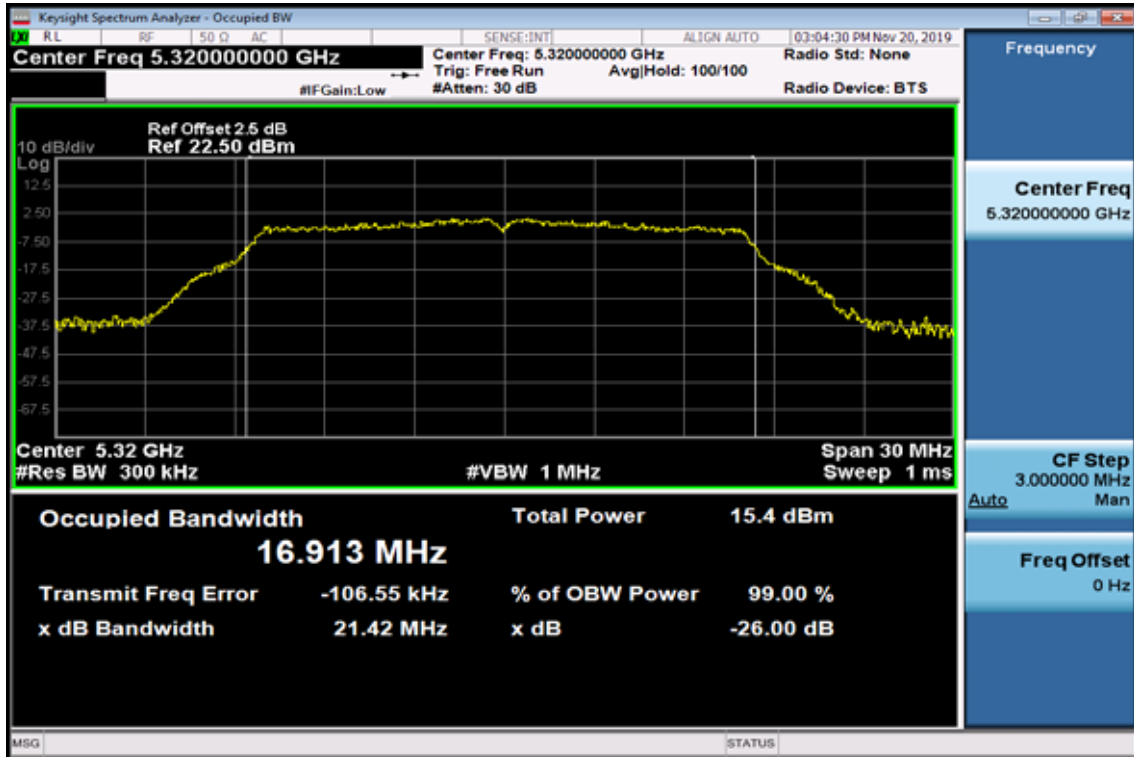
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

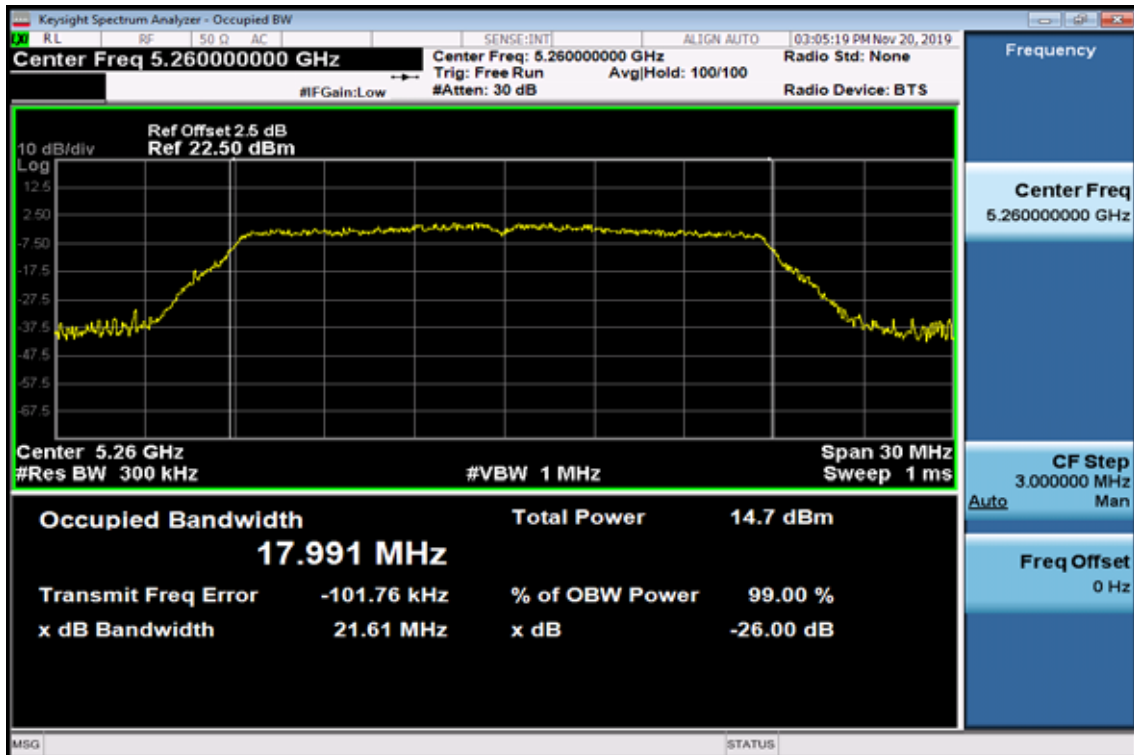


26dB / 99% Band Width Test Data CH-High

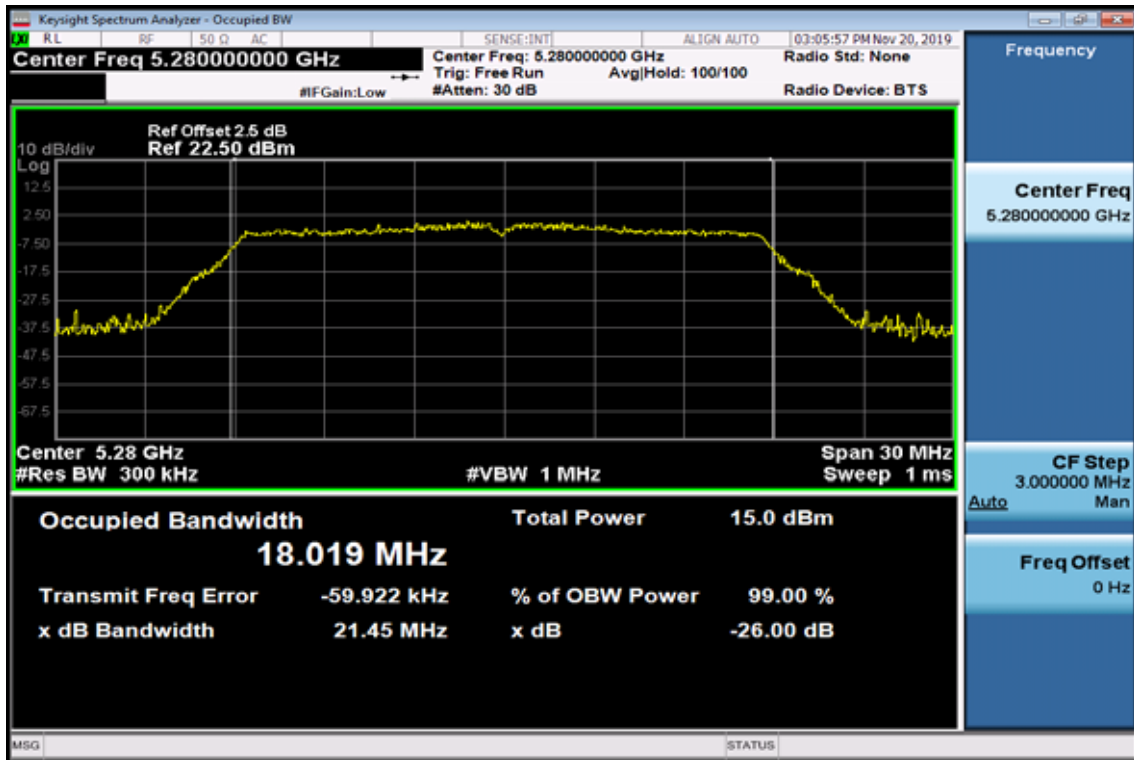


802.11n HT20

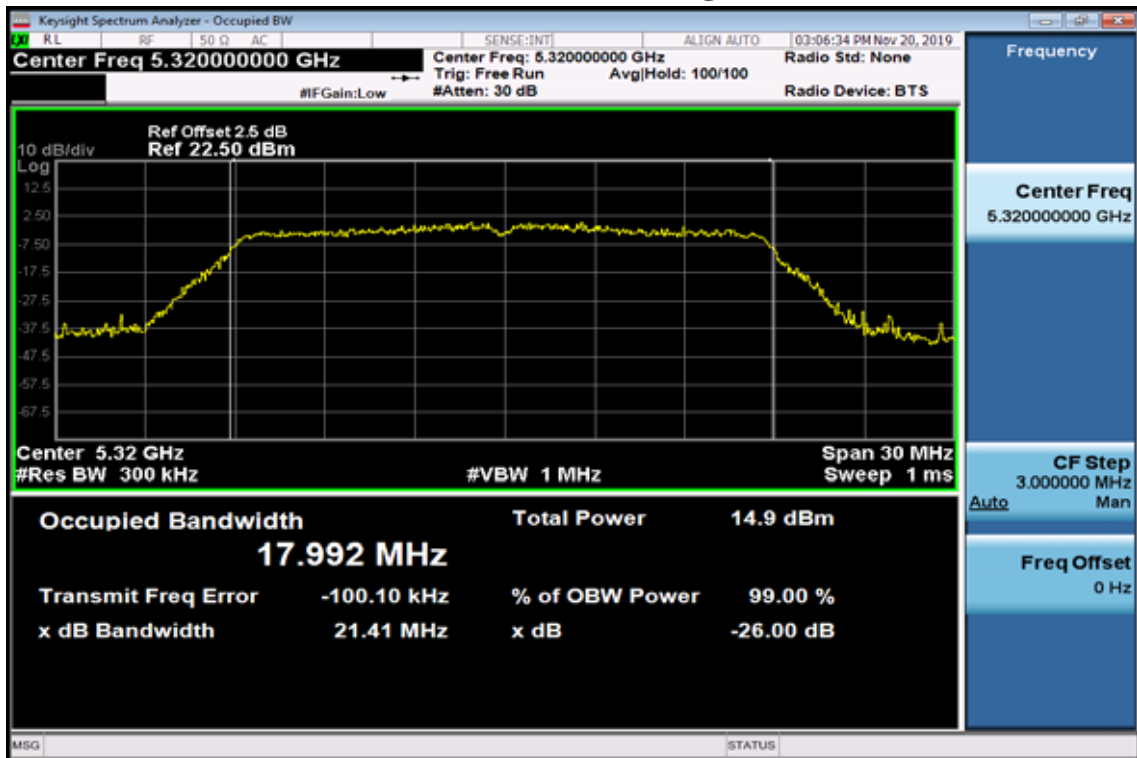
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

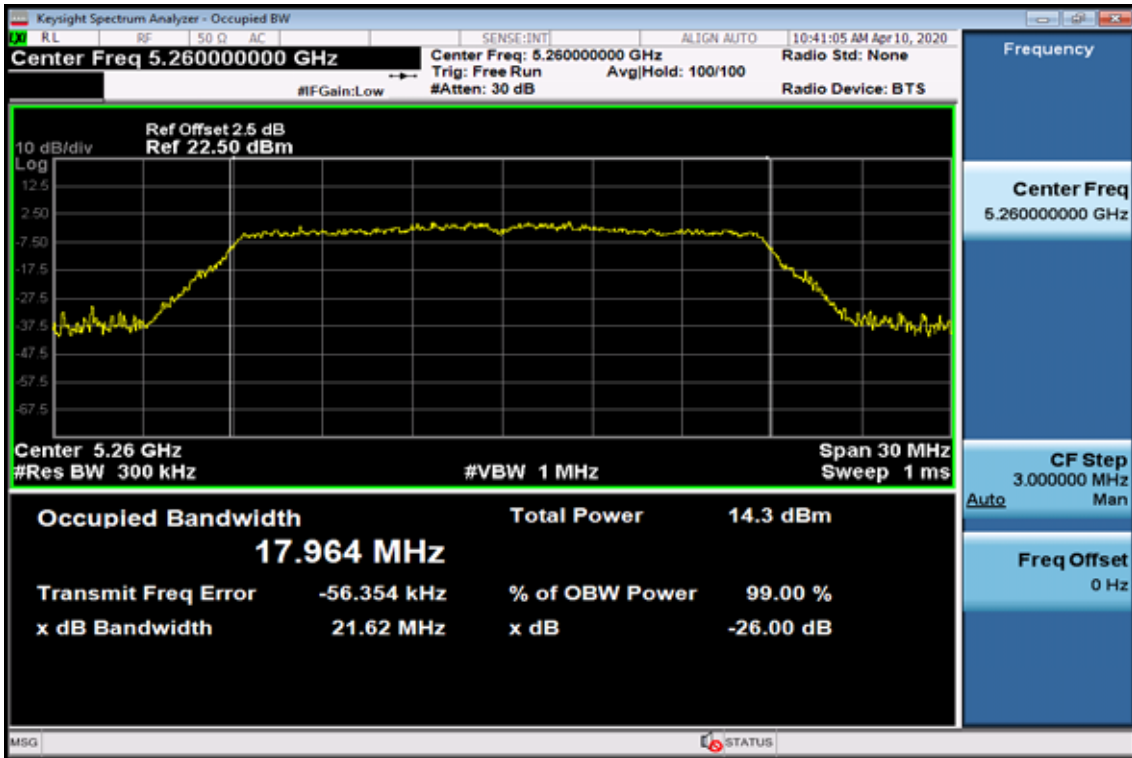


26dB / 99% Band Width Test Data CH-High

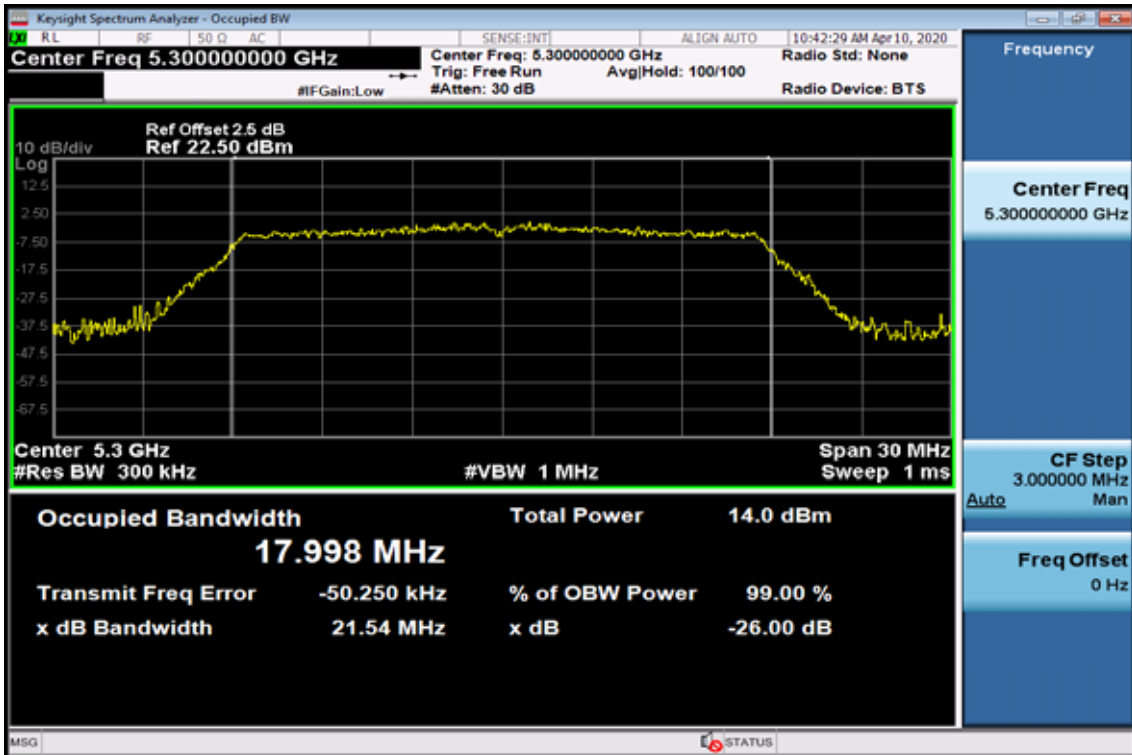


802.11ac VHT20

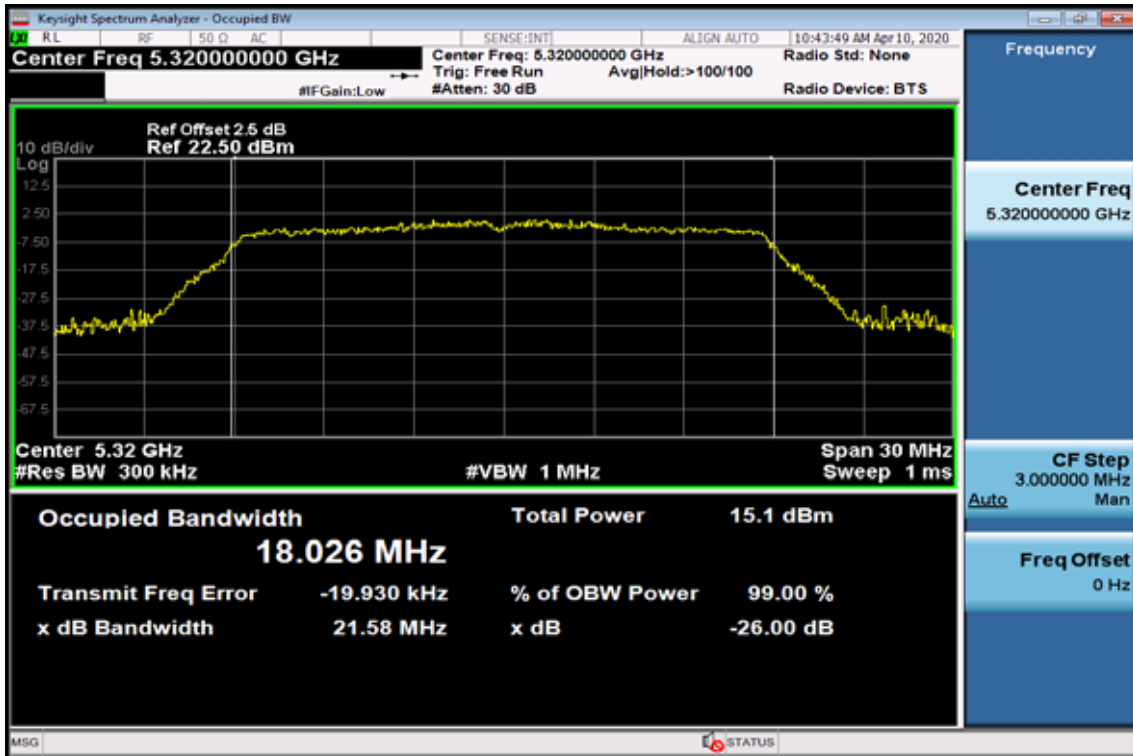
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

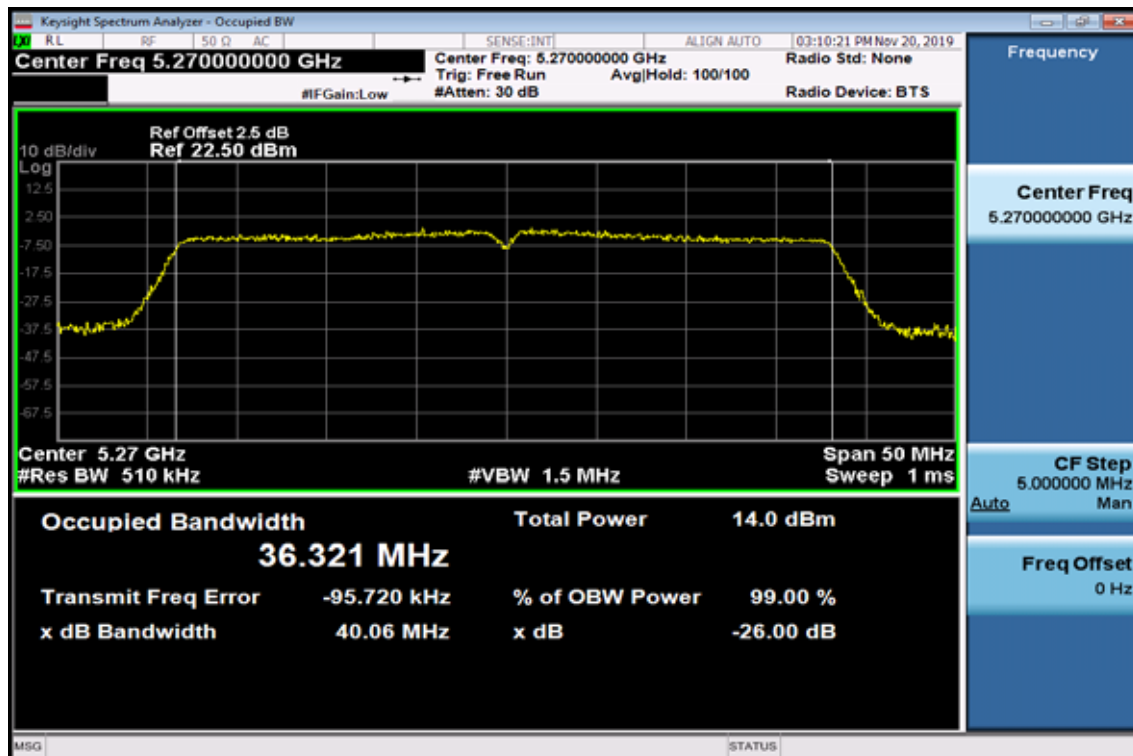


26dB / 99% Band Width Test Data CH-High

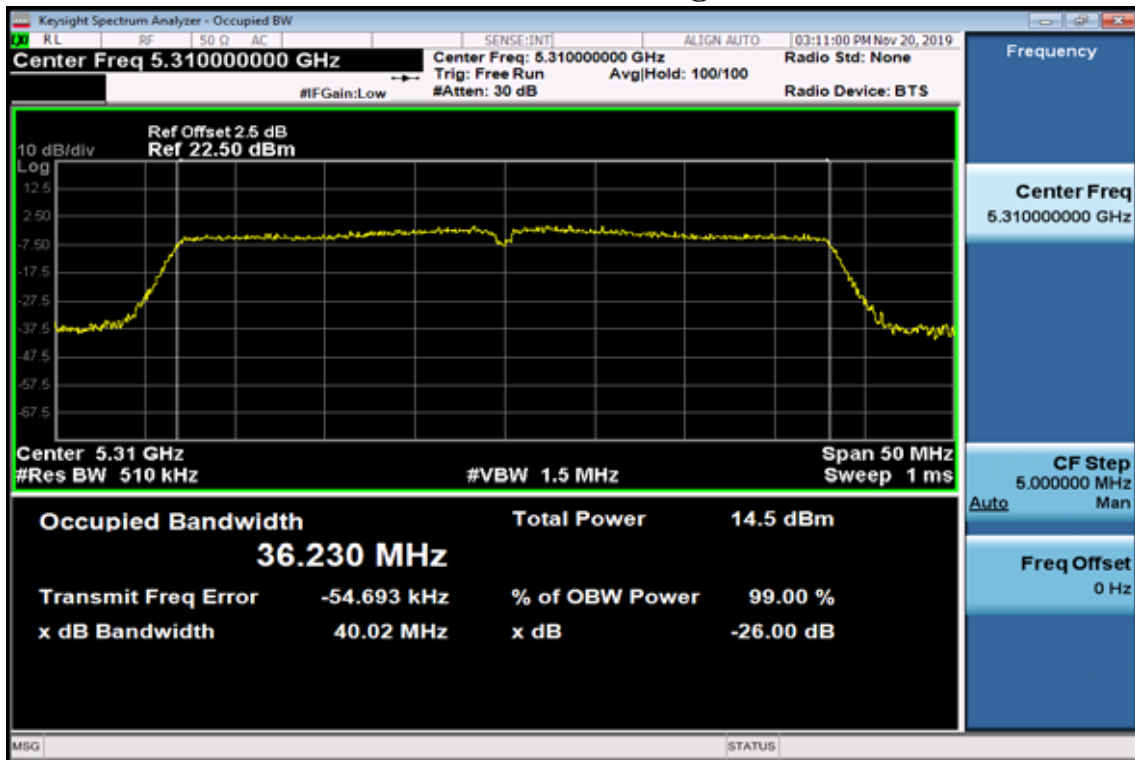


802.11n HT40

26dB / 99% Band Width Test Data CH-Low

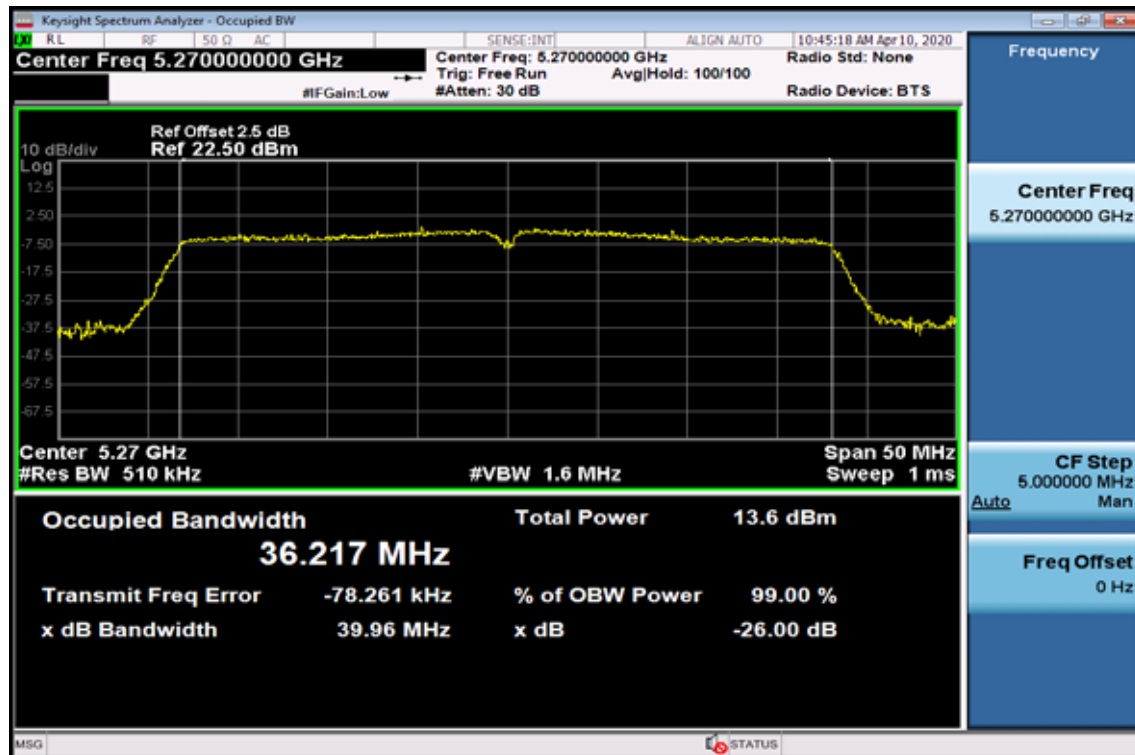


26dB / 99% Band Width Test Data CH-High

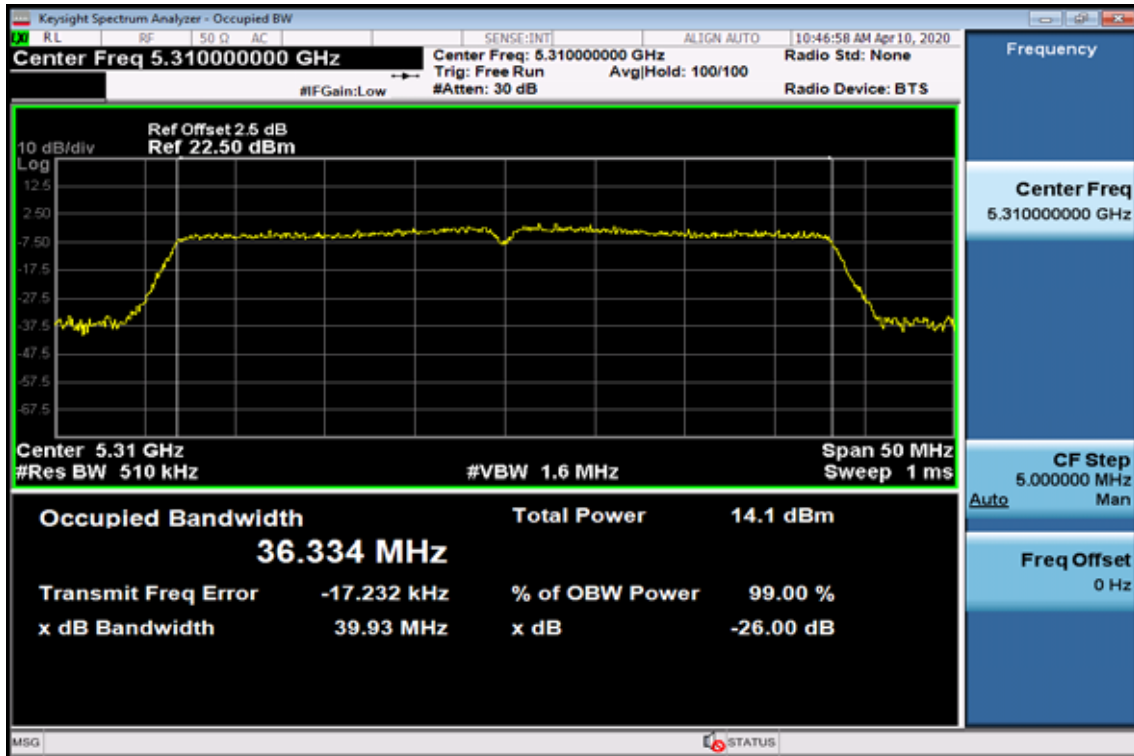


802.11ac VHT40

26dB / 99% Band Width Test Data CH-Low

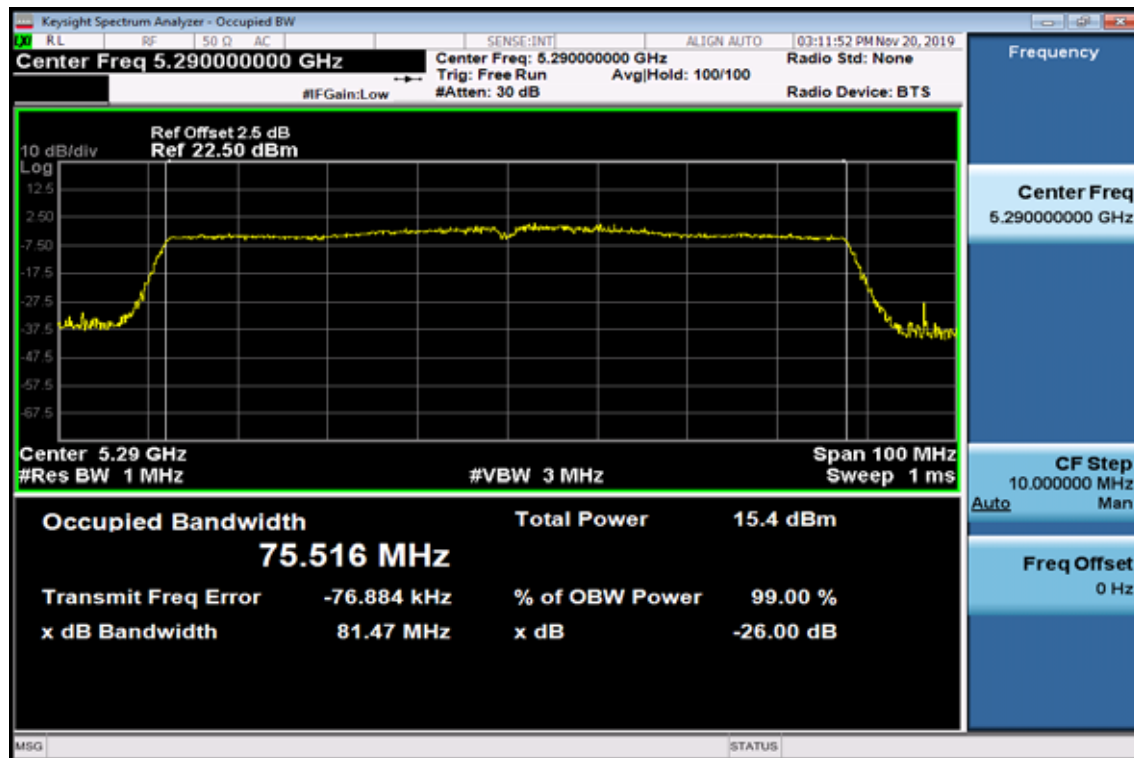


26dB / 99% Band Width Test Data CH-High



802.11 ac VHT80

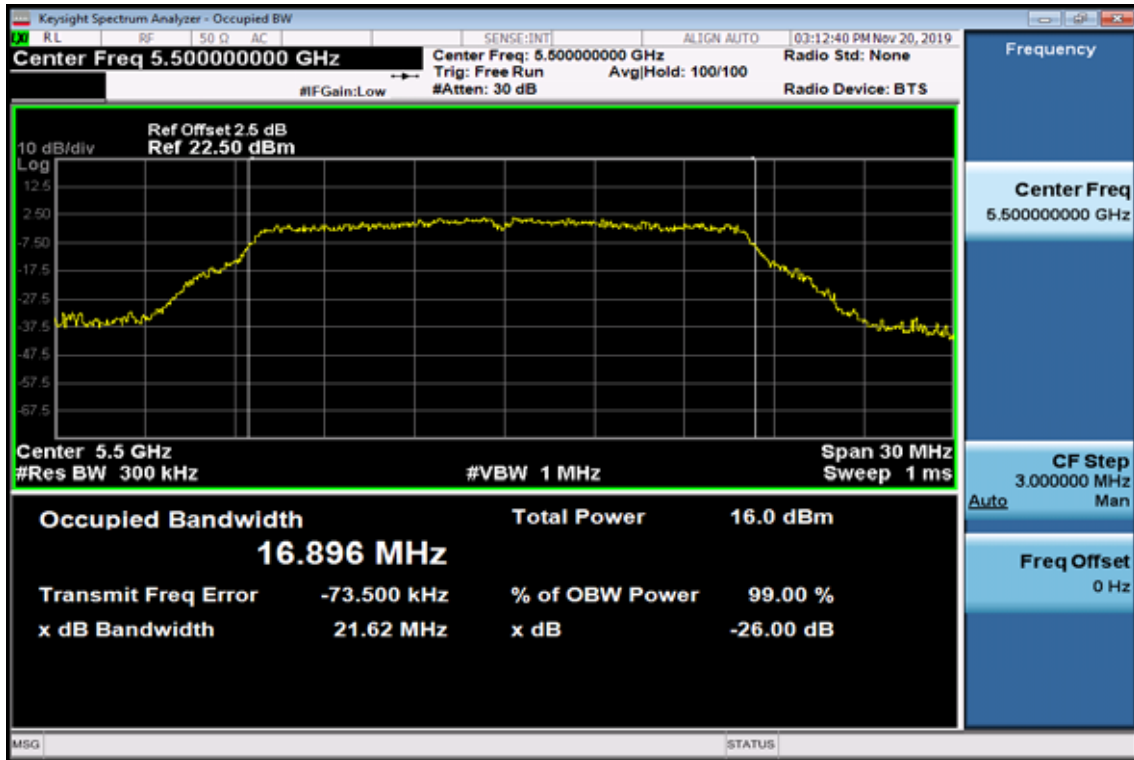
26dB / 99% Band Width Test Data



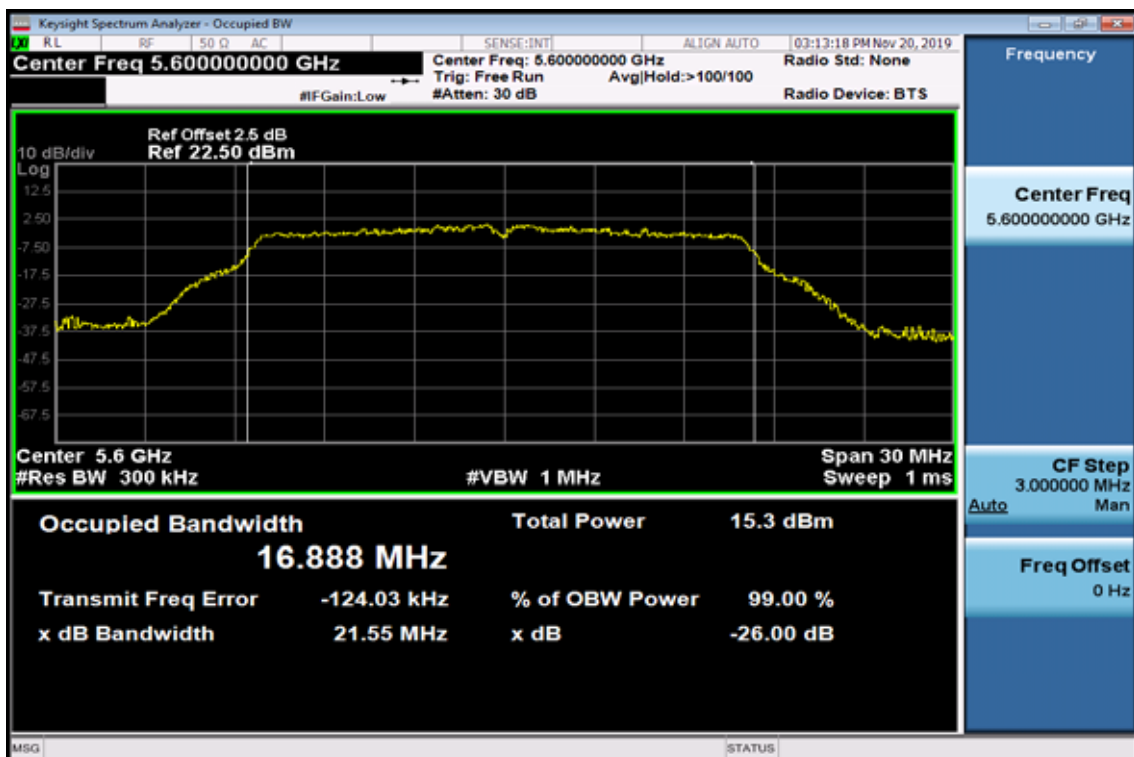
Band UNII-2C

802.11a

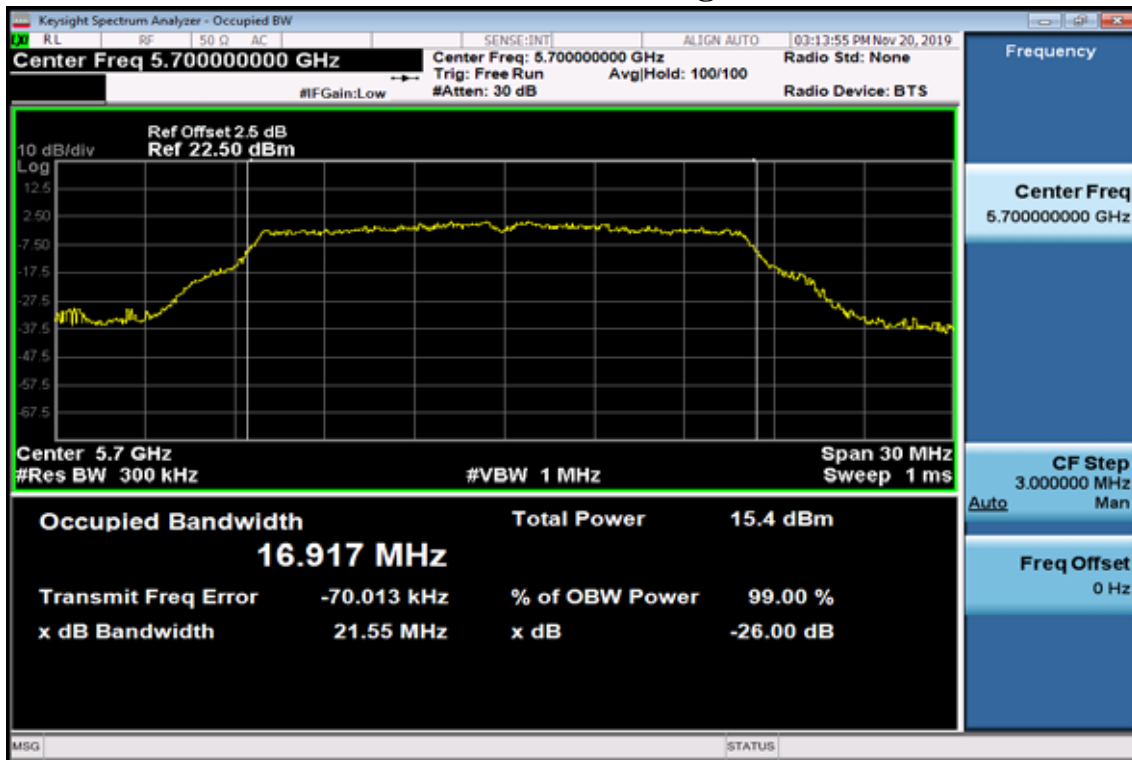
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

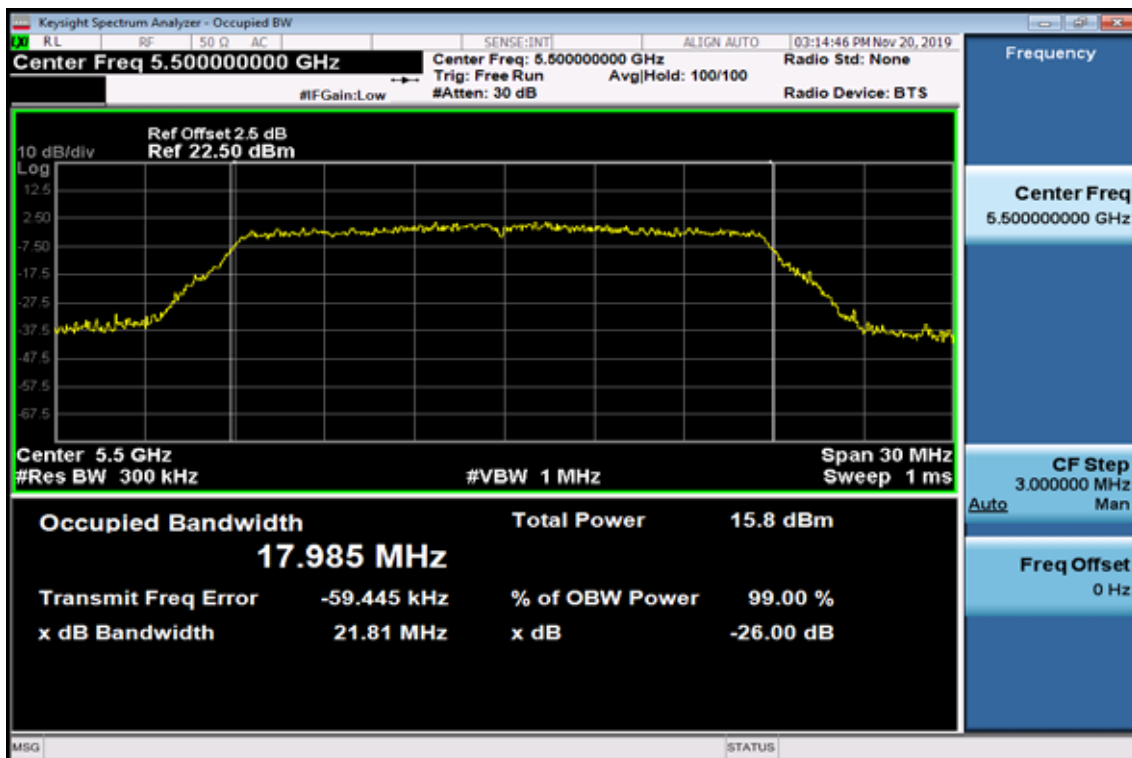


26dB / 99% Band Width Test Data CH-High

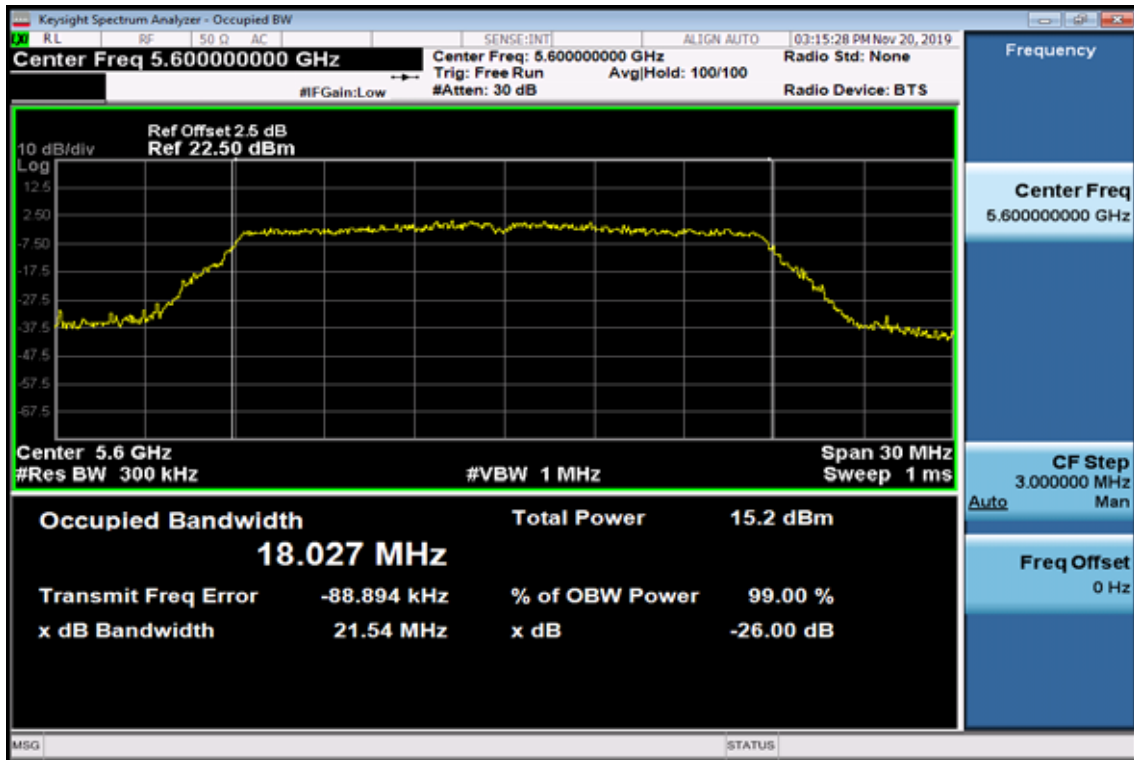


802.11n HT20

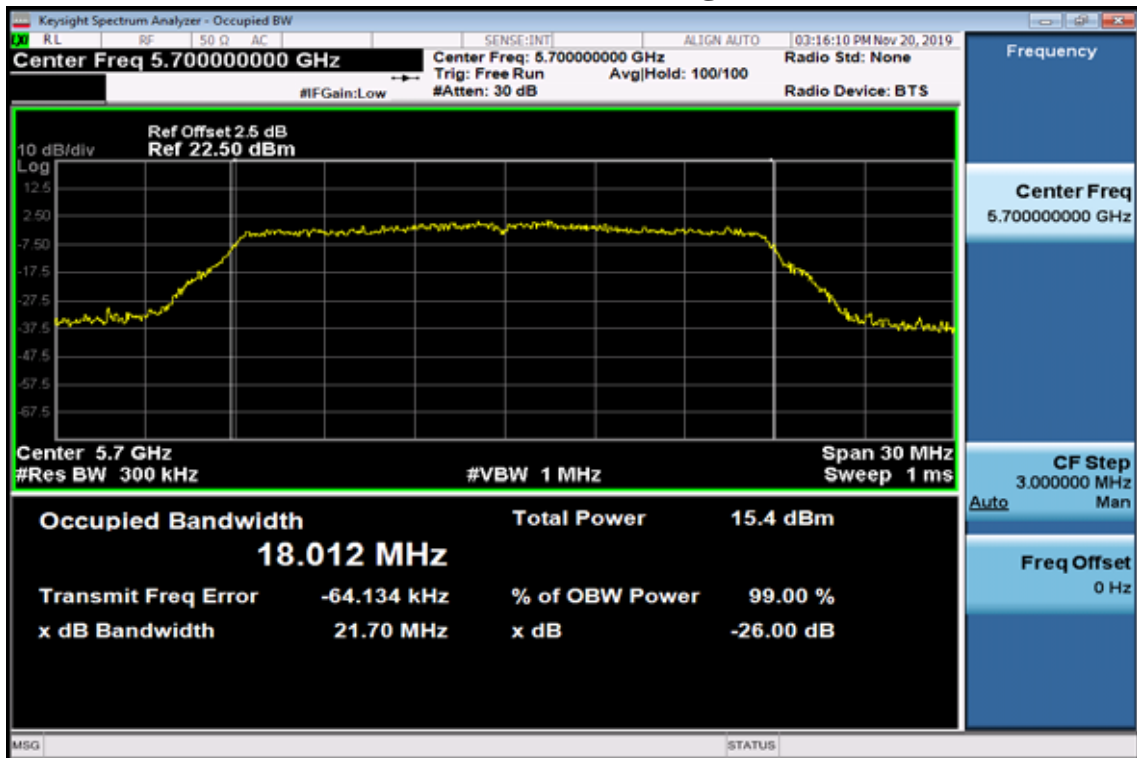
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

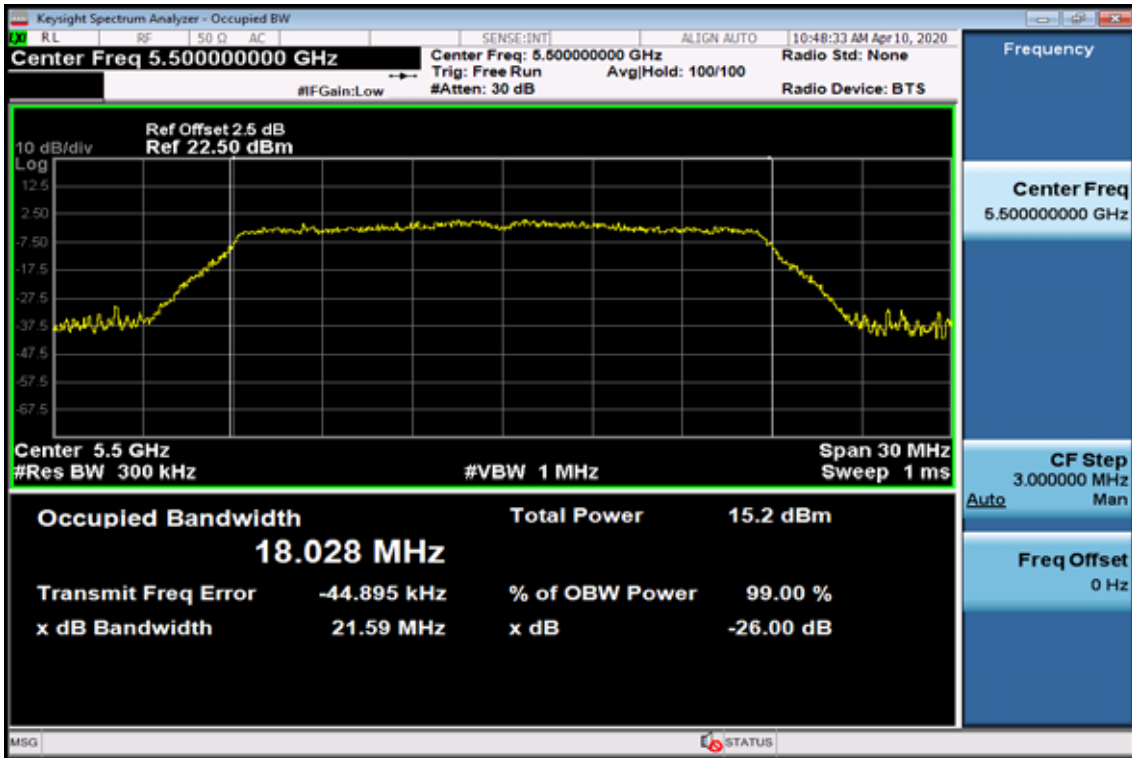


26dB / 99% Band Width Test Data CH-High

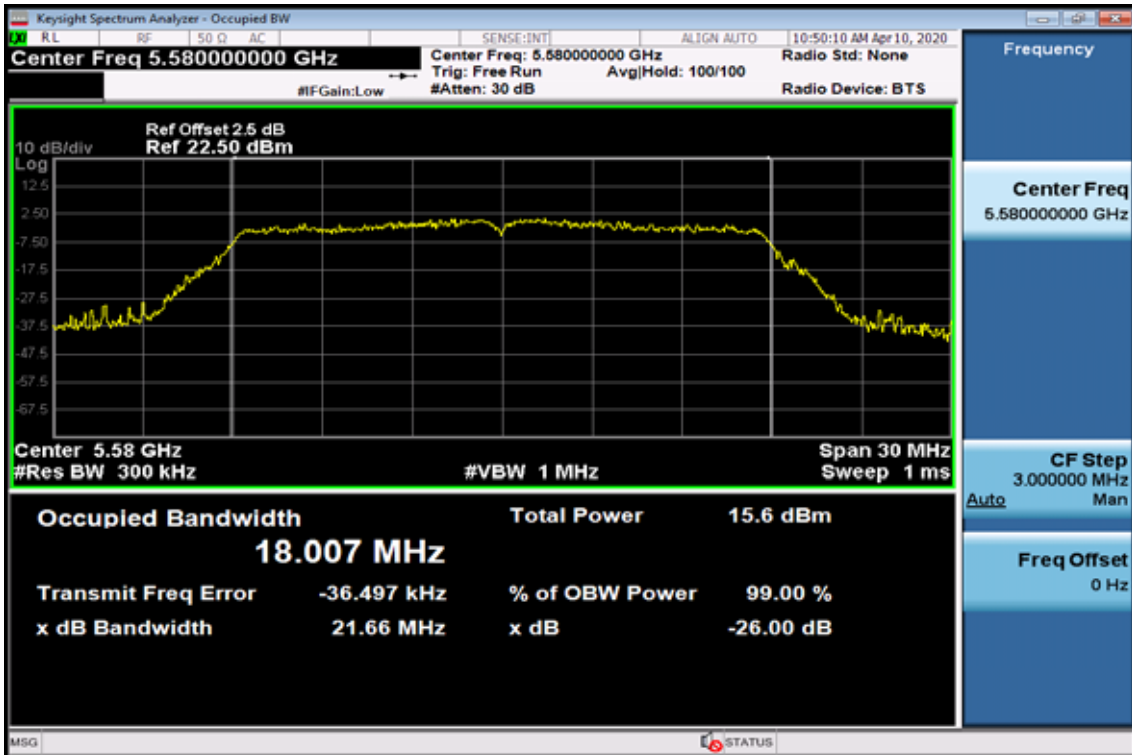


802.11ac VHT20

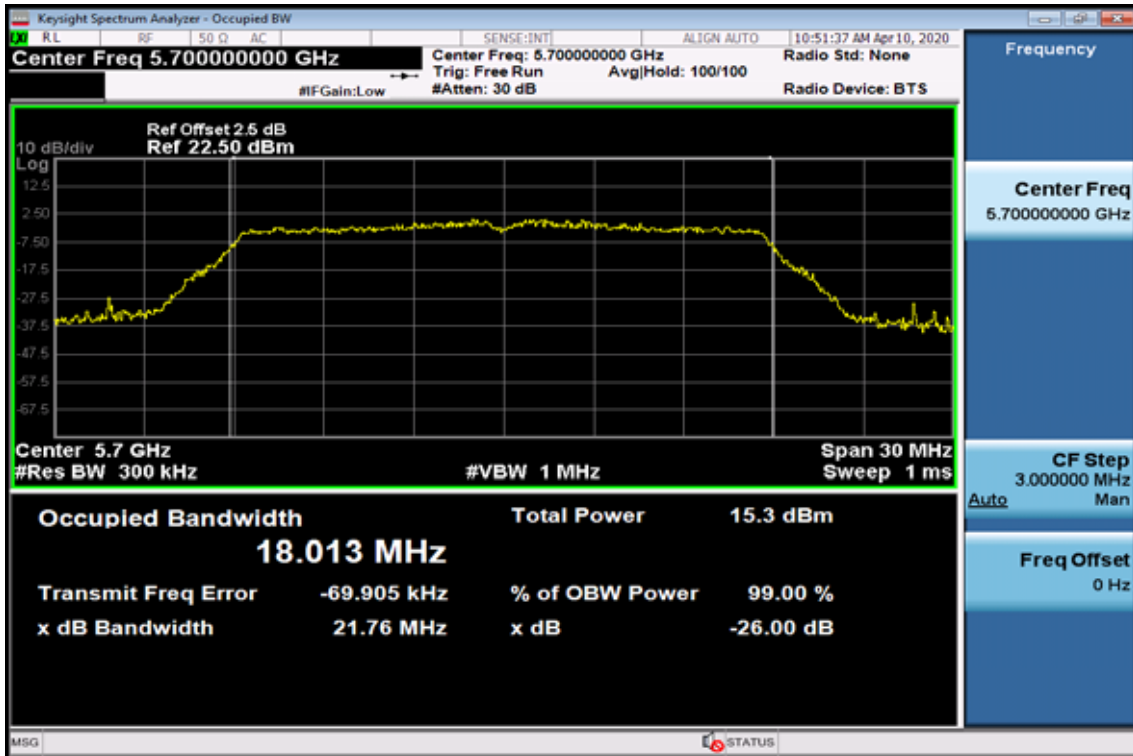
26dB / 99% Band Width Test Data CH-Low



26dB / 99% Band Width Test Data CH-Mid

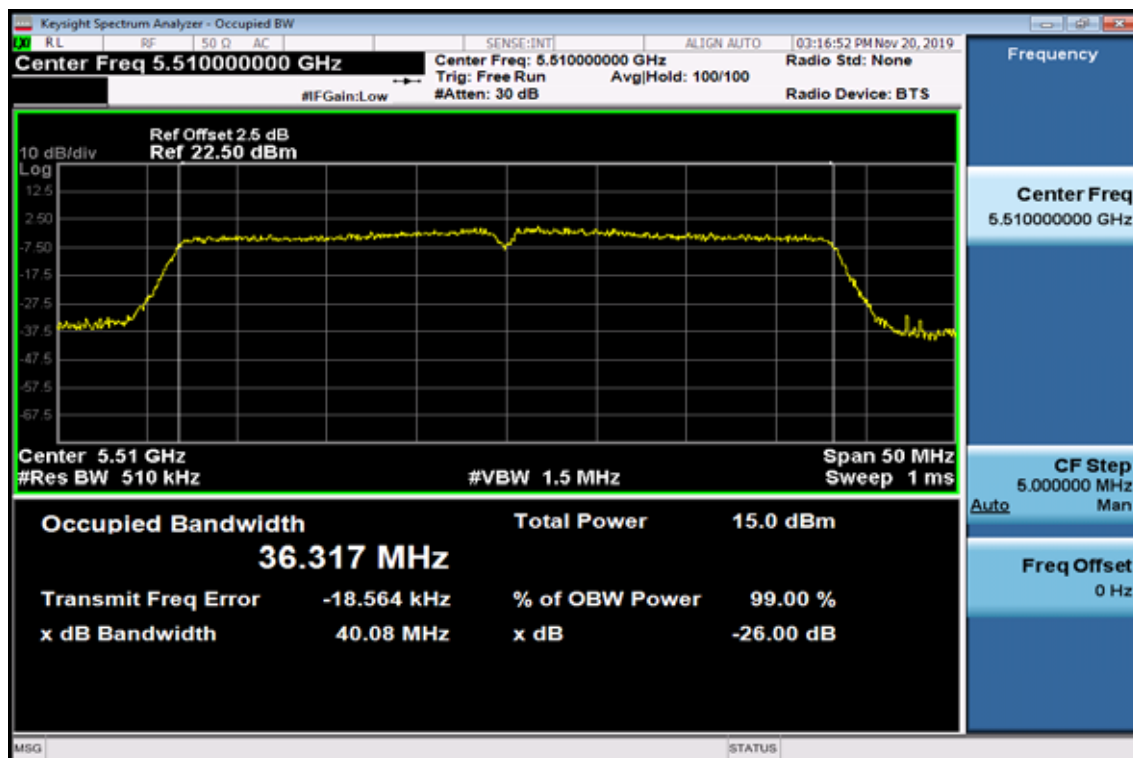


26dB / 99% Band Width Test Data CH-High

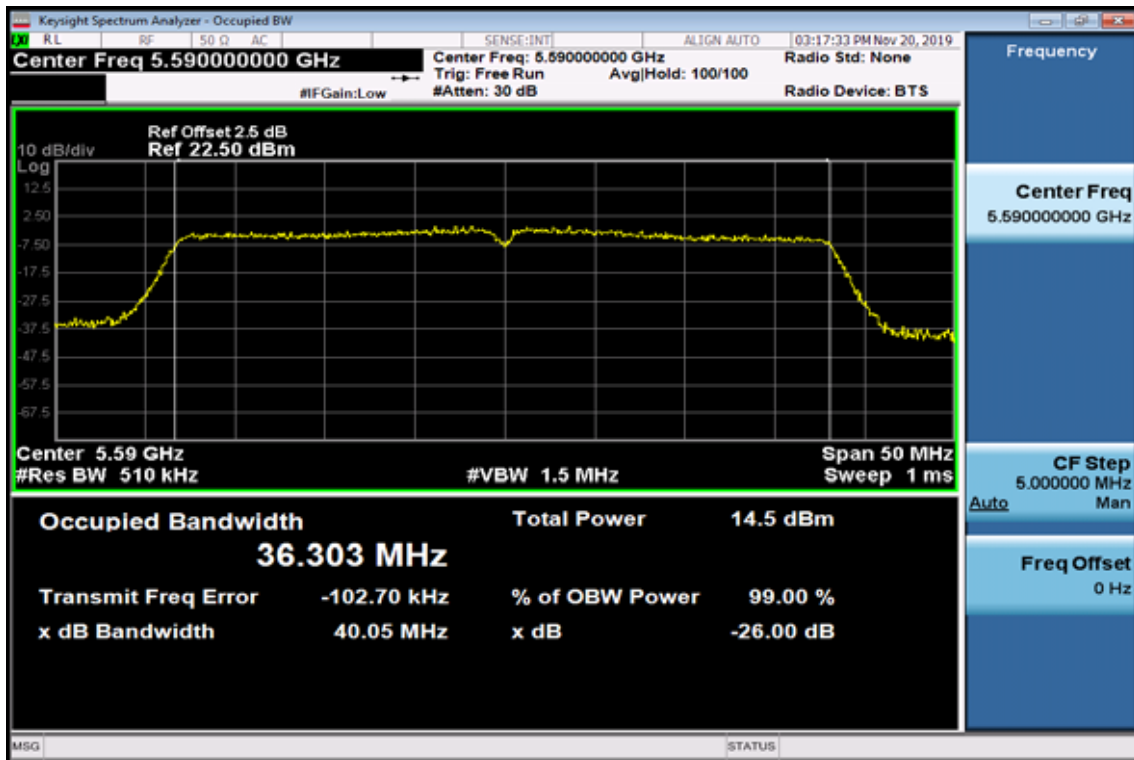


802.11n HT40

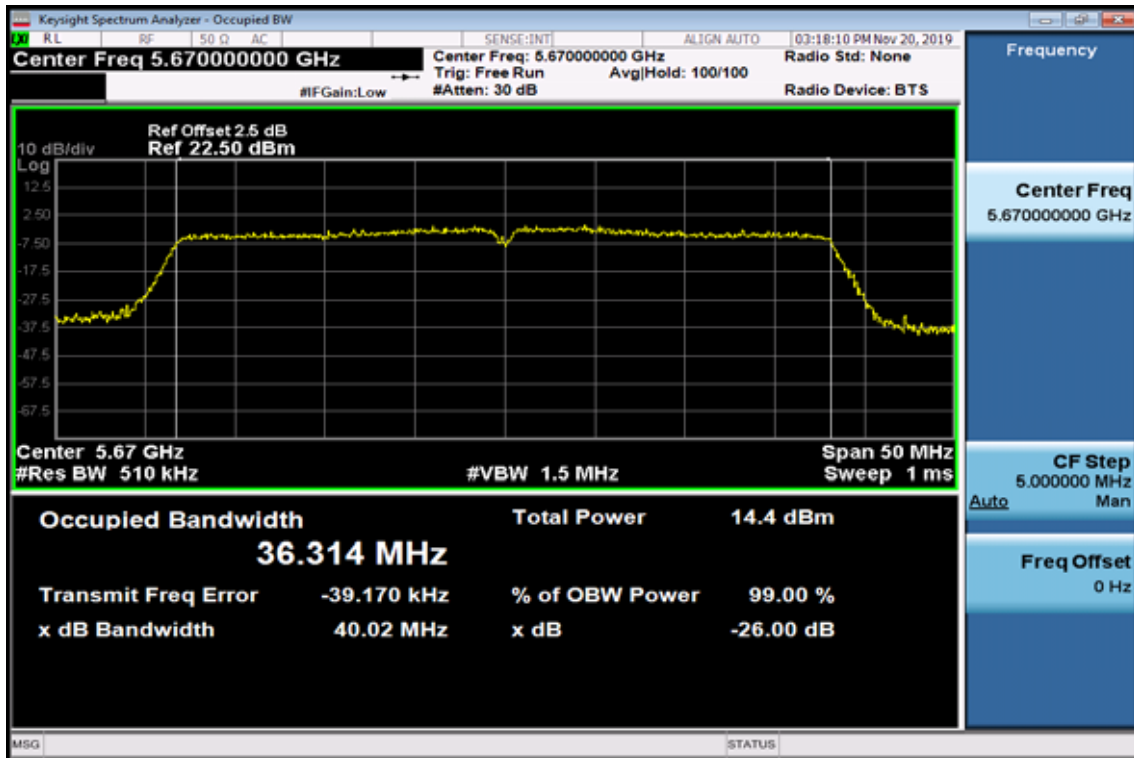
26dB / 99% Band Width Test Data CH-Low



26dB / 99%Band Width Test Data CH-Mid

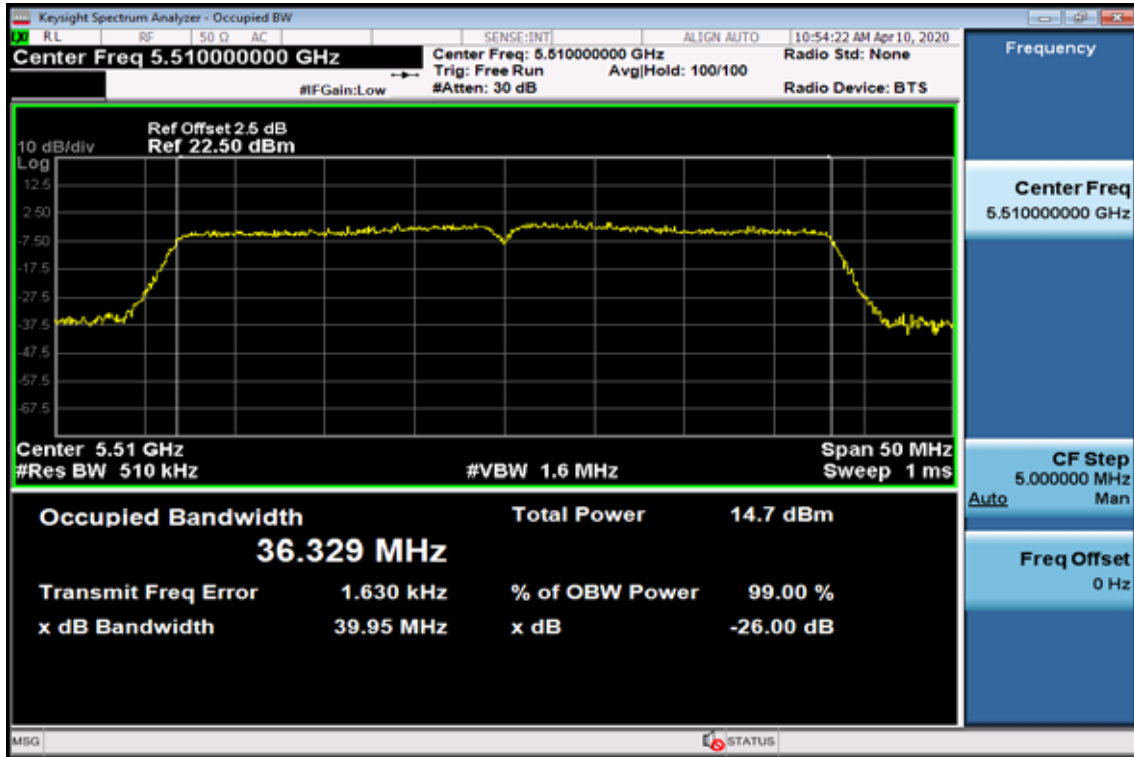


26dB / 99%Band Width Test Data CH-High

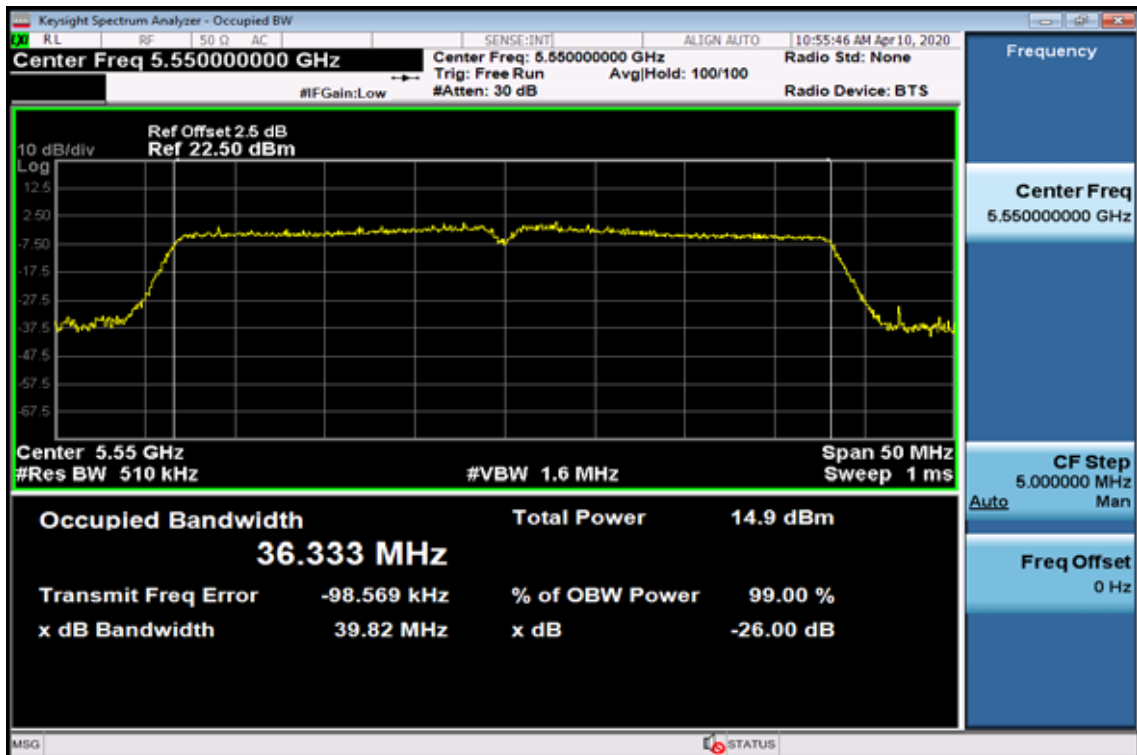


802.11ac VHT40

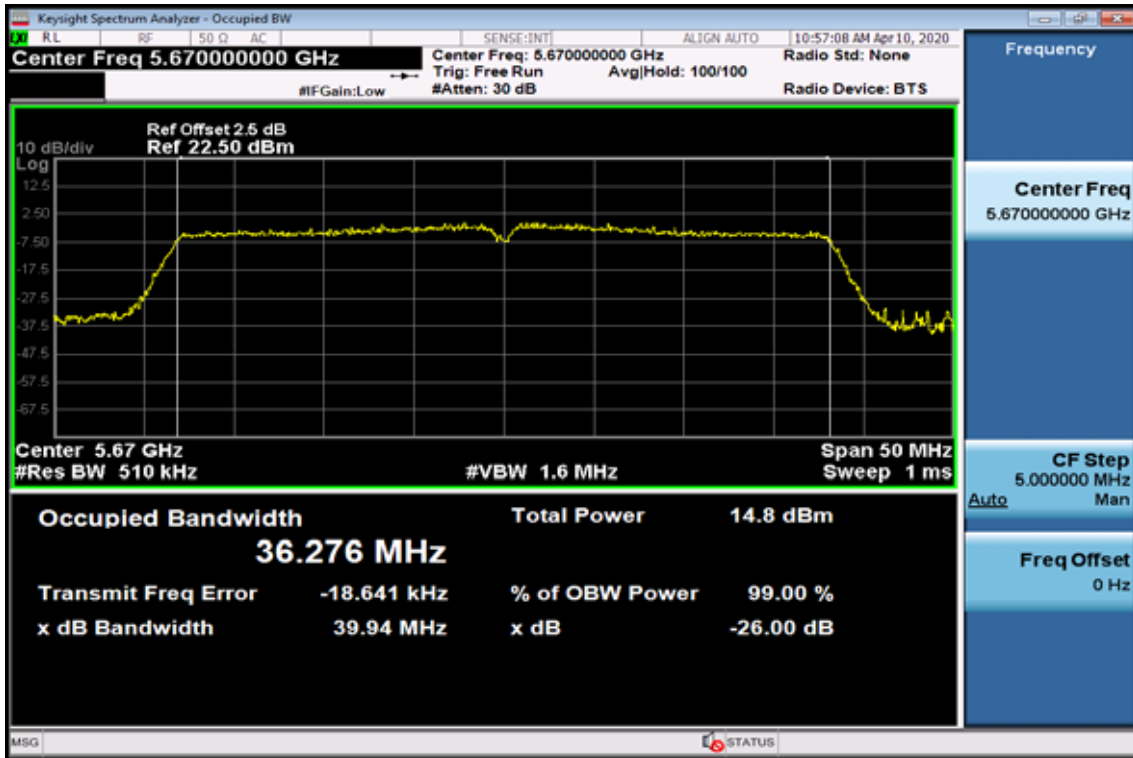
26dB / 99% Band Width Test Data CH-Low



26dB / 99%Band Width Test Data CH-Mid

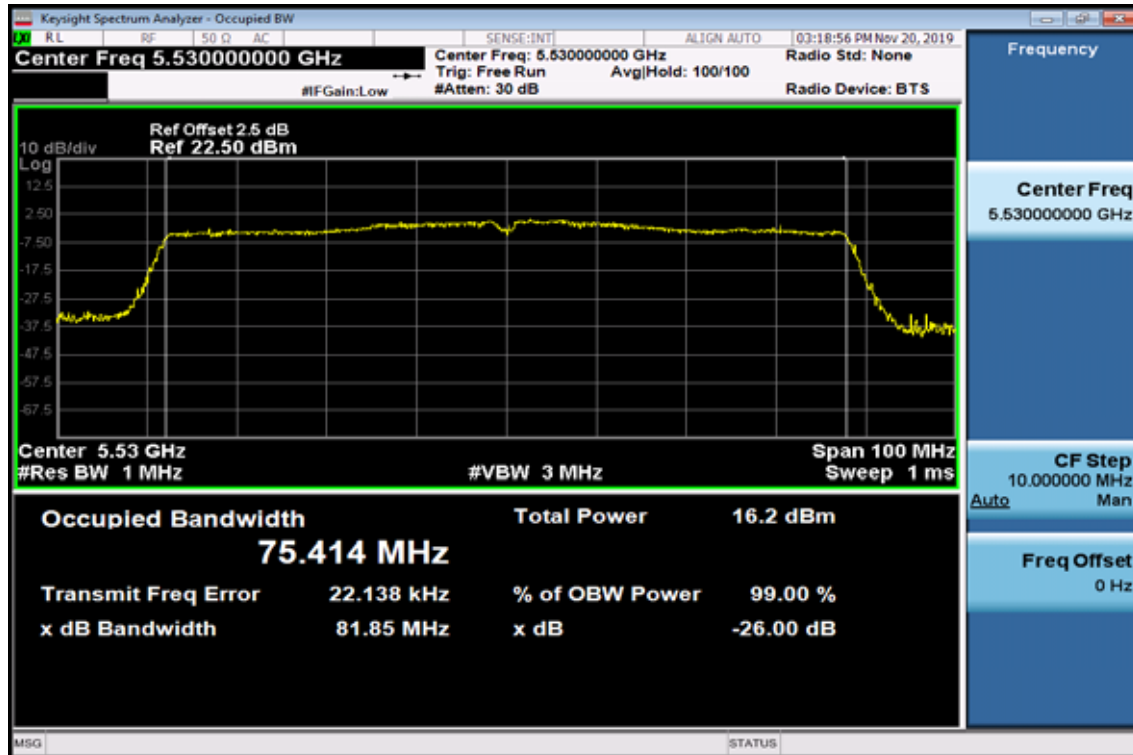


26dB / 99% Band Width Test Data CH-High



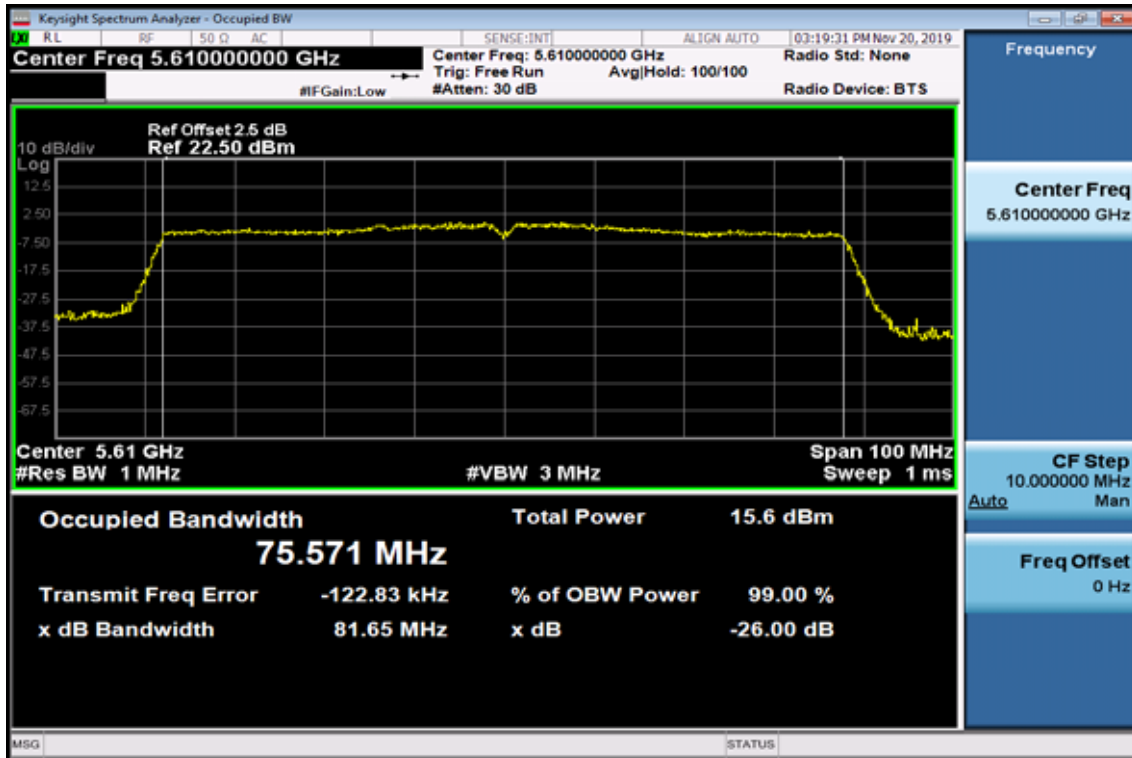
802.11 ac VHT80

26dB / 99% Band Width Test Data CH-Low



802.11 ac VHT80

26dB / 99% Band Width Test Data CH-High



8. 6dB Emission Bandwidth Measurement

8.1. Standard Applicable

According to §15.407 (e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

8.2. Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW=100kHz, VBW =300MHz, Span= 50MHz, Sweep=auto
4. Mark the peak frequency and -6dB (upper and lower) frequency.
5. Repeat above procedures until all frequency measured were complete.

Refer to section D of KDB Document: KDB 789033 D02 General UNII Test Procedures New Rules v01r03

8.3. Measurement Equipment Used:

Refer to section 6.3 for details.

8.4. Test Set-up:

Refer to section 6.4 for details.

8.5. Measurement Result

802.11a Mode

Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (KHz)
5745	16.35	16.46	>500
5785	16.35	16.46	>500
5825	16.33	16.47	>500

802.11n HT20 Mode

Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (KHz)
5745	17.57	17.65	>500
5785	17.21	17.64	>500
5825	17.56	17.65	>500

802.11ac VHT20 Mode

Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (KHz)
5745	17.33	17.63	>500
5785	17.02	17.64	>500
5825	17.59	17.67	>500

802.11n HT40 Mode

Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (KHz)
5755	35.87	36.03	>500
5795	35.90	36.05	>500

802.11ac VHT40 Mode

Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (KHz)
5755	36.31	36.07	>500
5795	35.71	36.00	>500

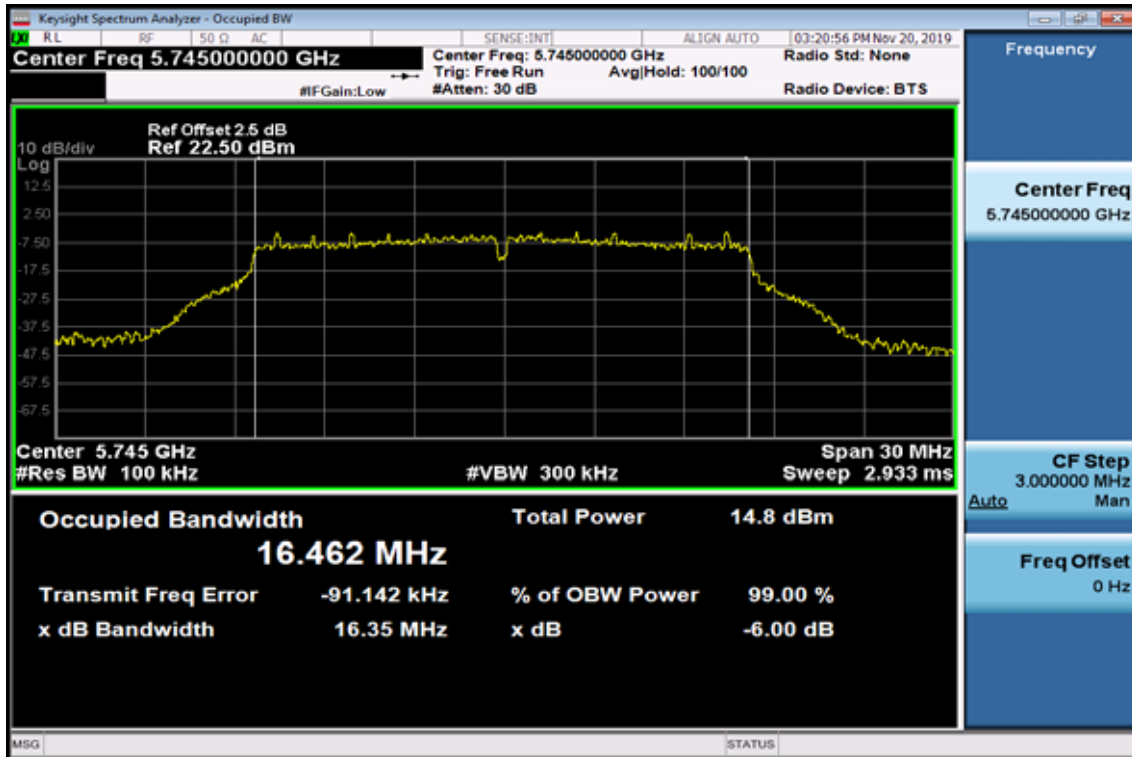
802.11 ac VHT80 Mode

Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (kHz)
5775	75.33	75.27	>500

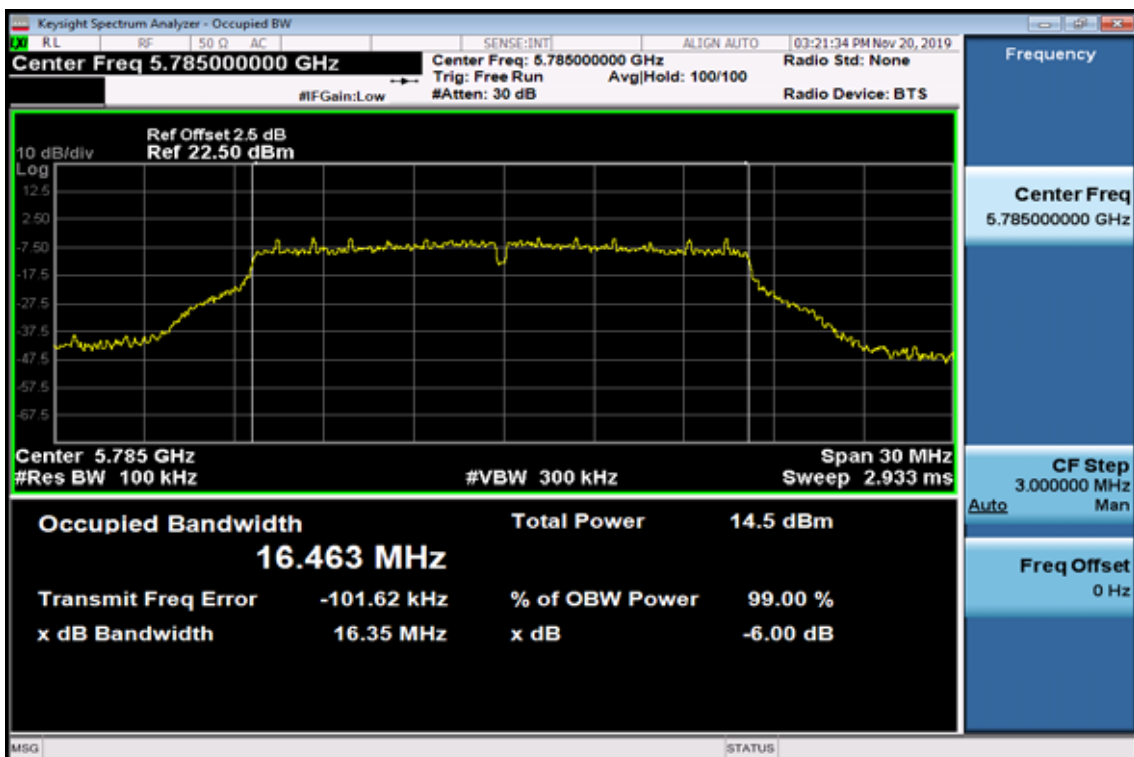
Band UNII-3

802.11a

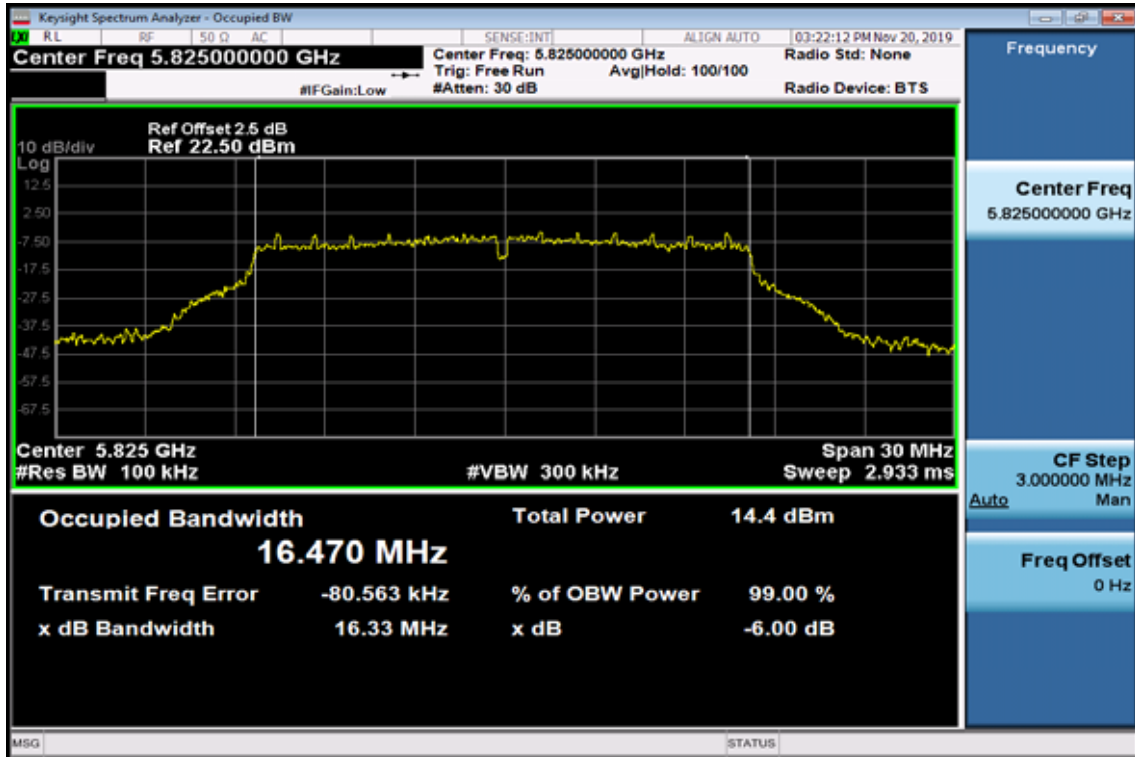
6dB Band Width Test Data CH-Low



6dB Band Width Data CH-Mid

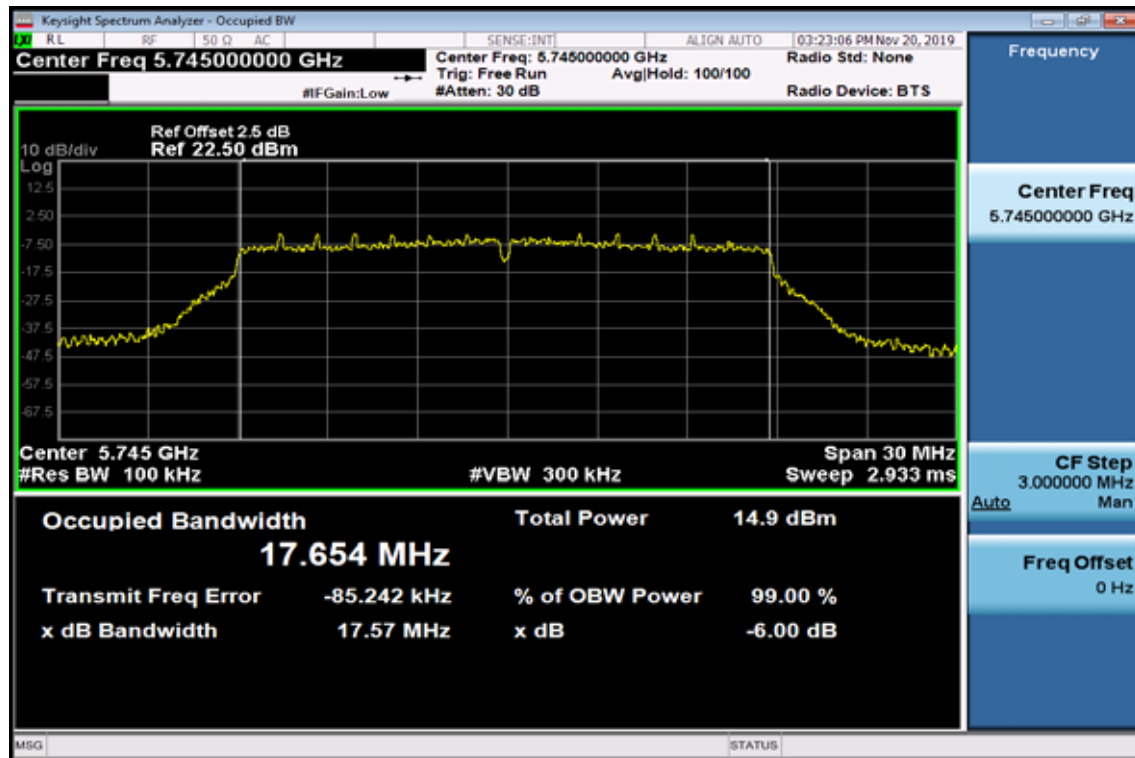


6dB Band Width Data CH-High

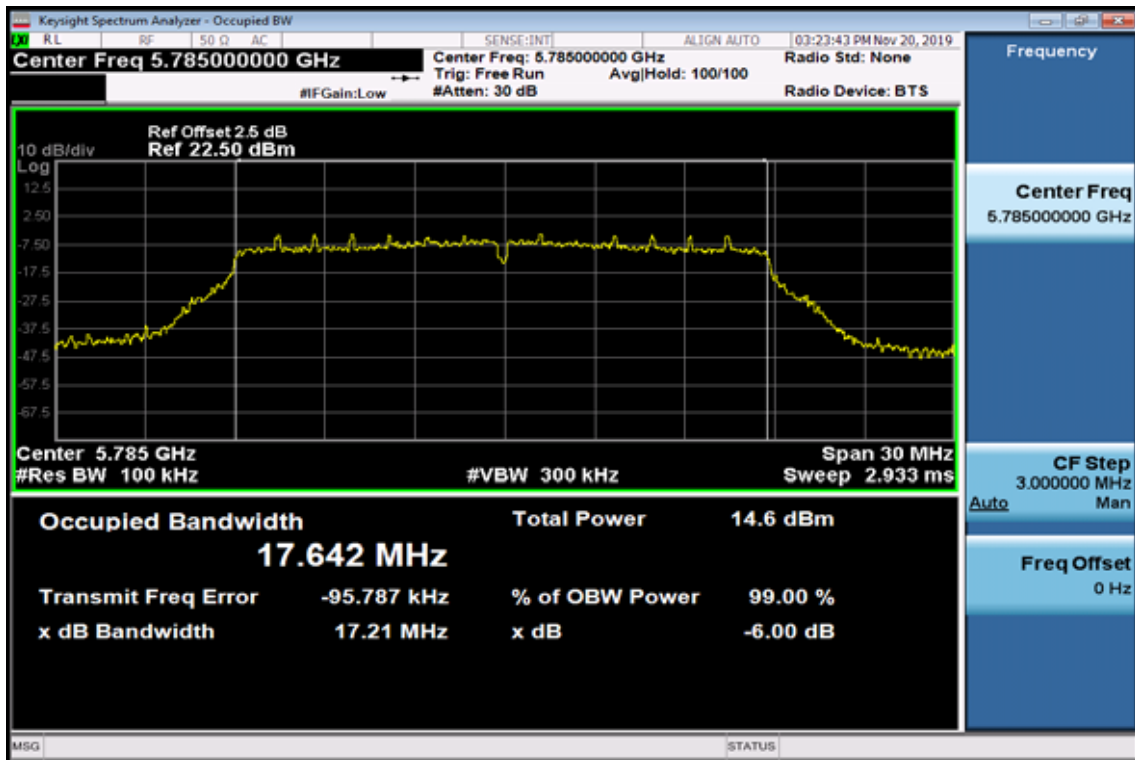


802.11n HT20

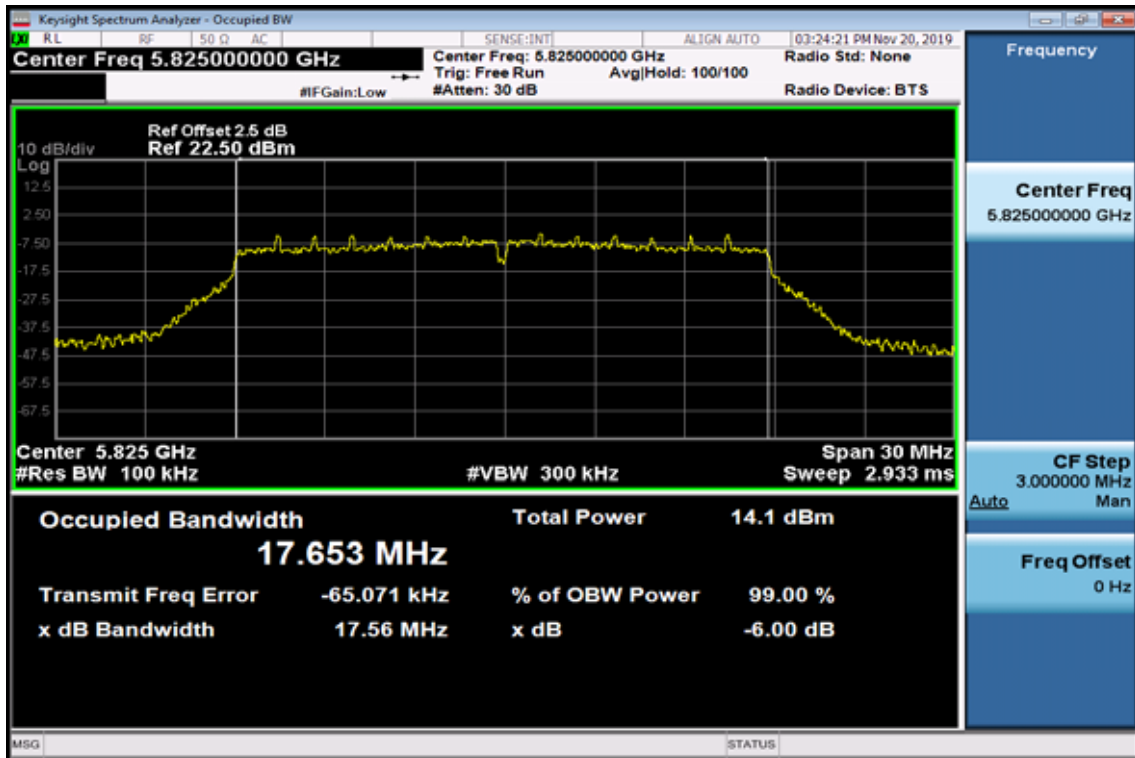
6dB Band Width Data CH-Low



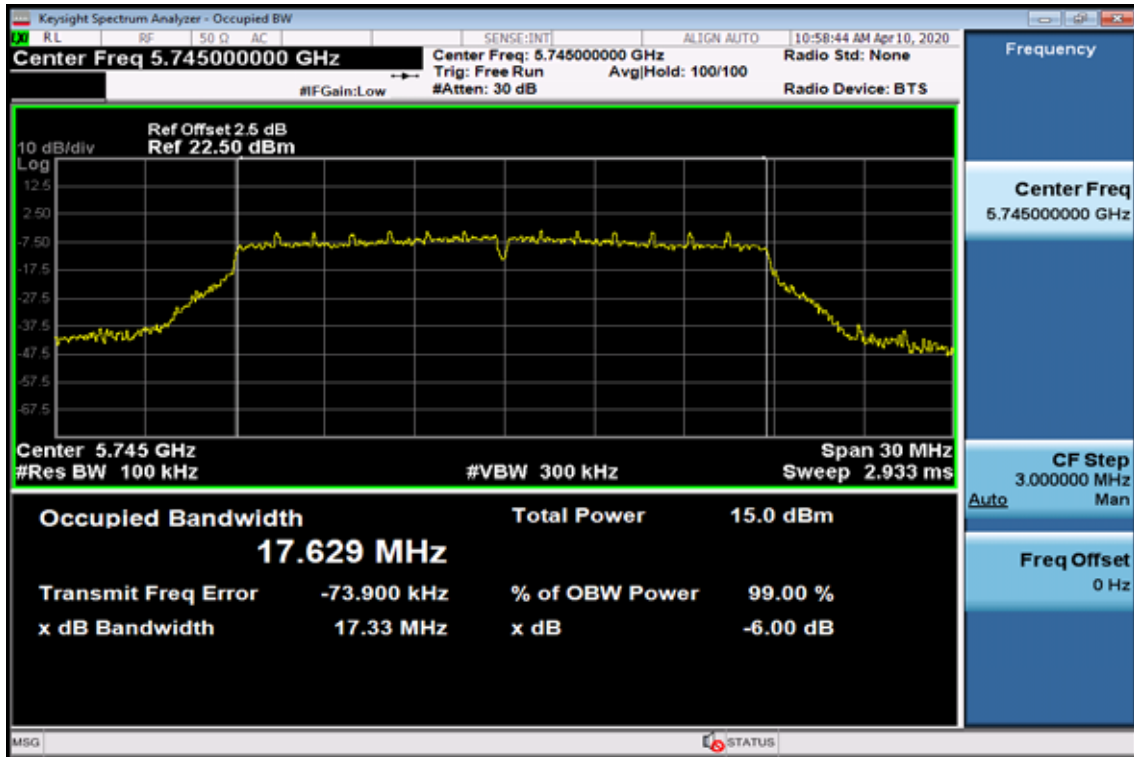
6dB Band Width Data CH-Mid



6dB Band Width Data CH-High



802.11ac VHT20 6dB Band Width Data CH-Low



6dB Band Width Data CH-Mid

