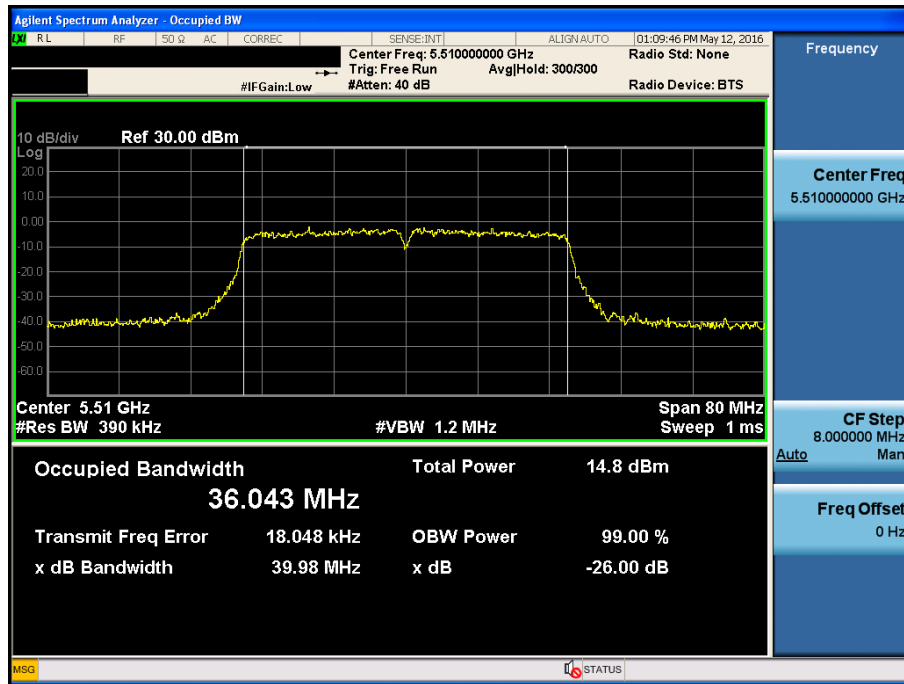


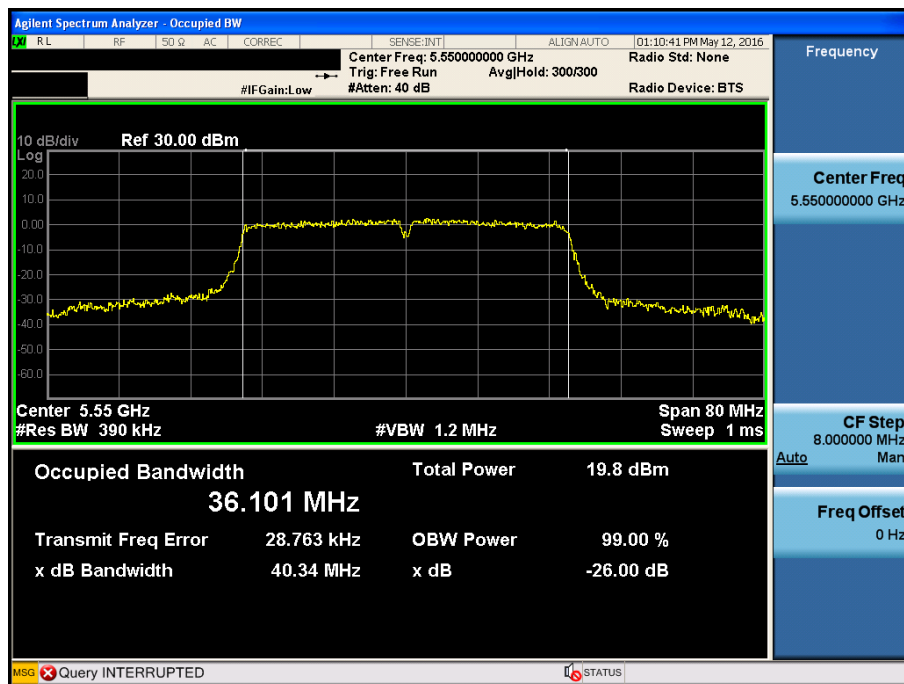
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.102



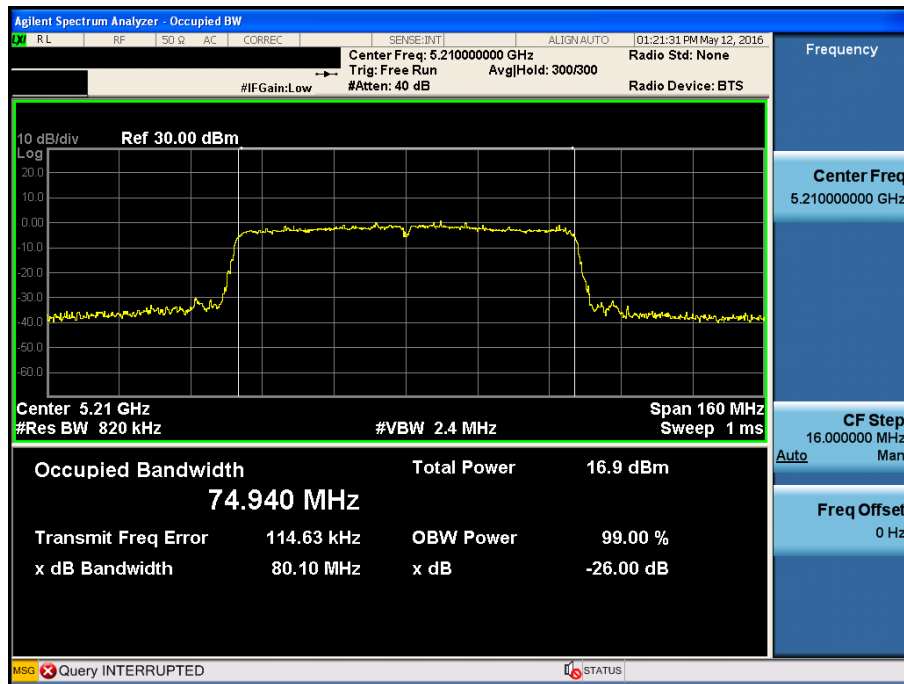
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.110



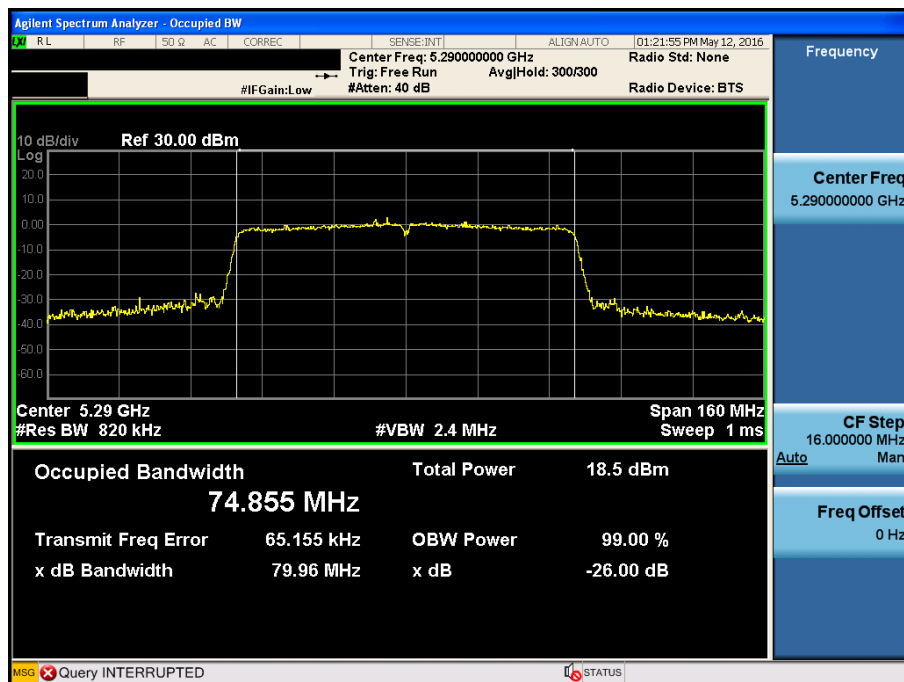
26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.42



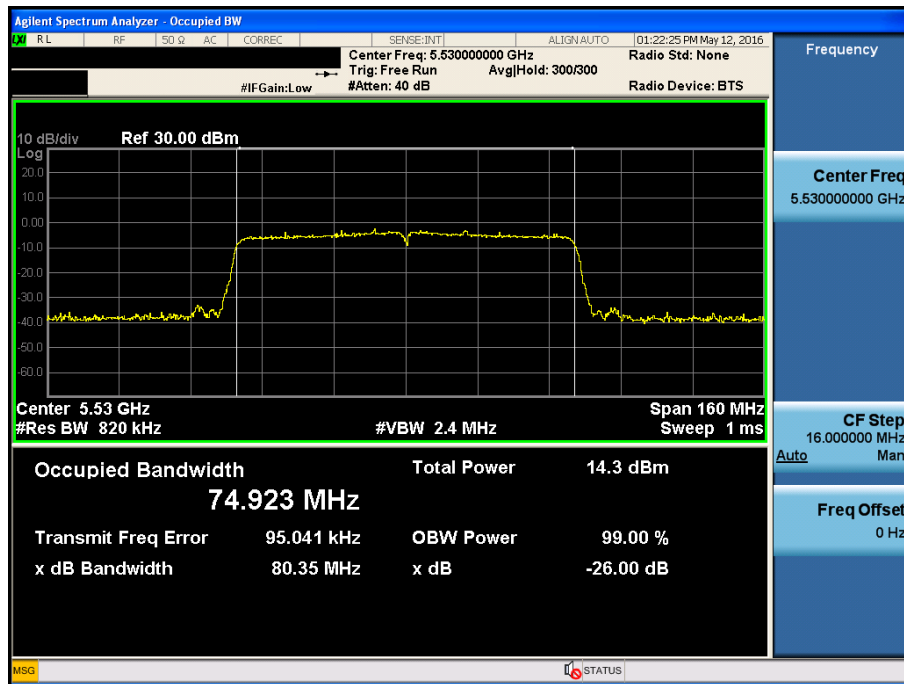
26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.58



26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.106



26 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.144



26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.144



26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.142



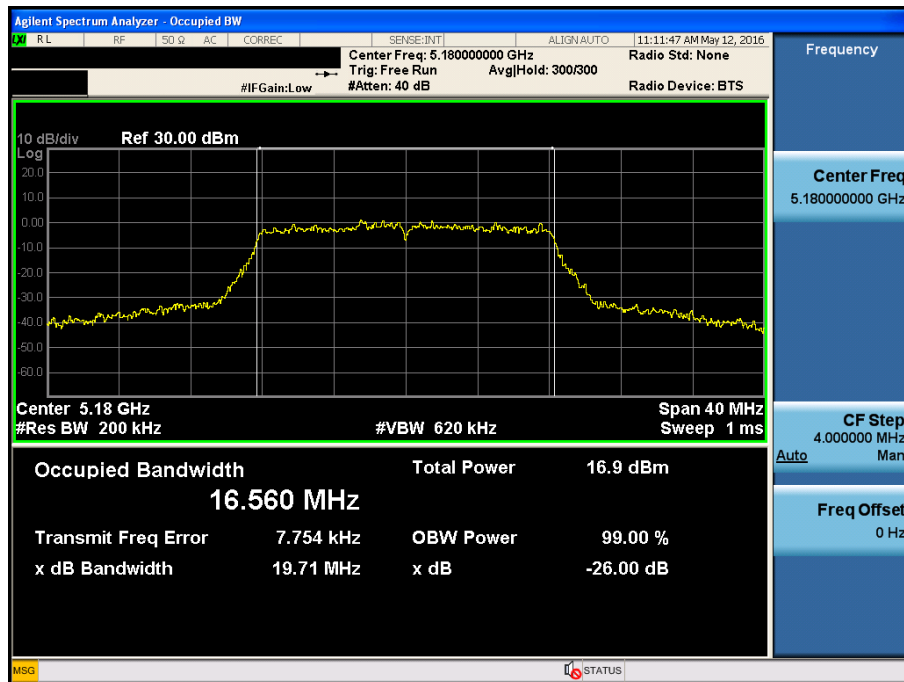
26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.138



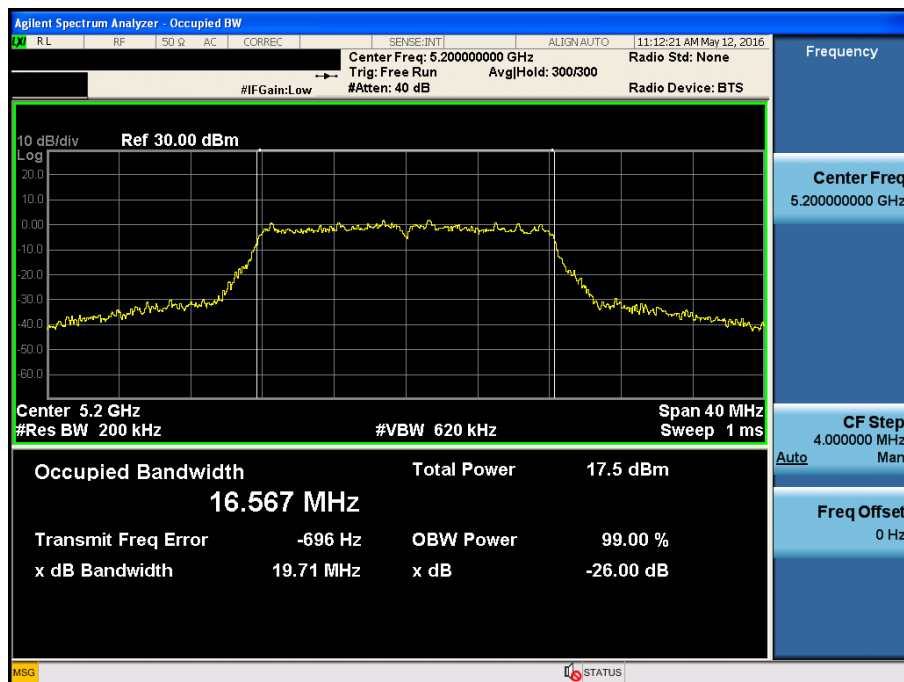
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.36



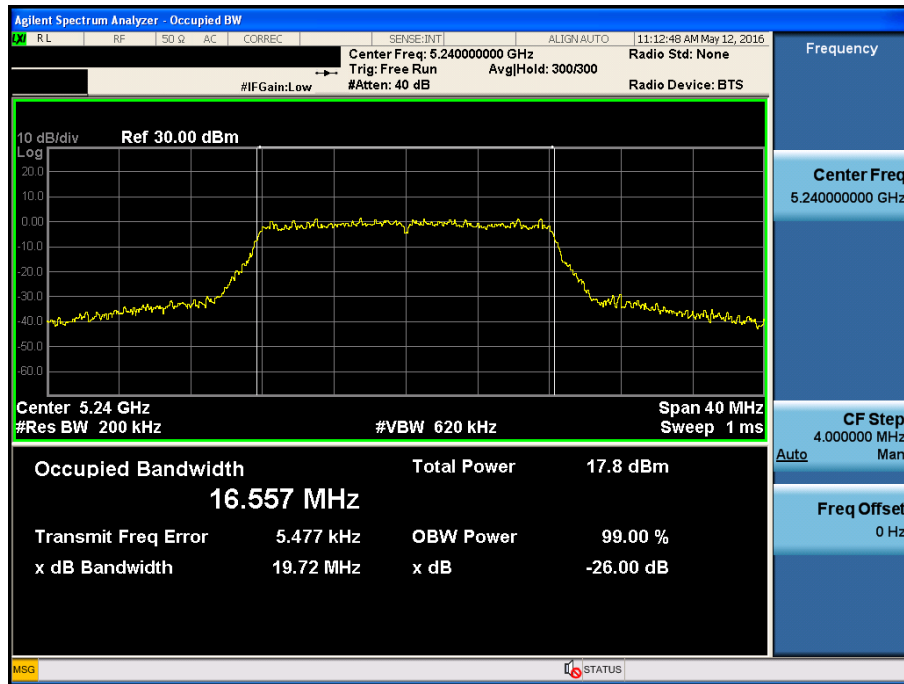
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.40



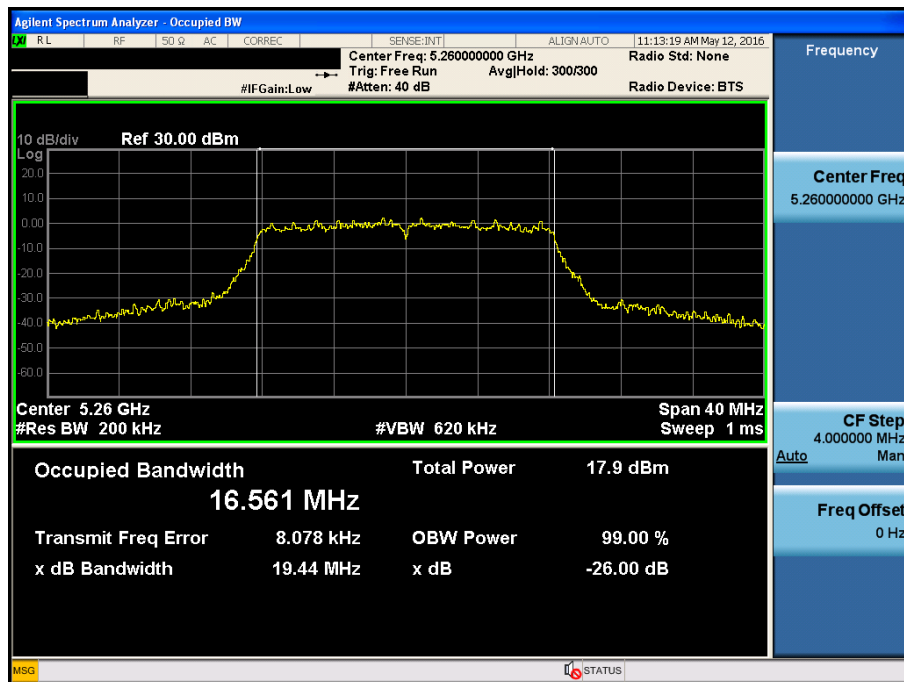
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.48



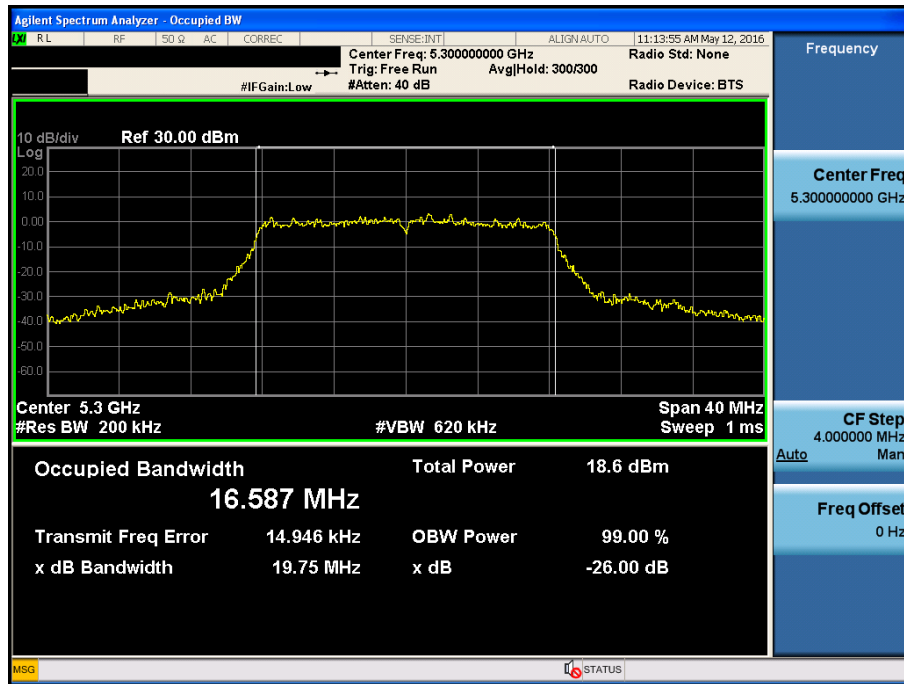
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.52



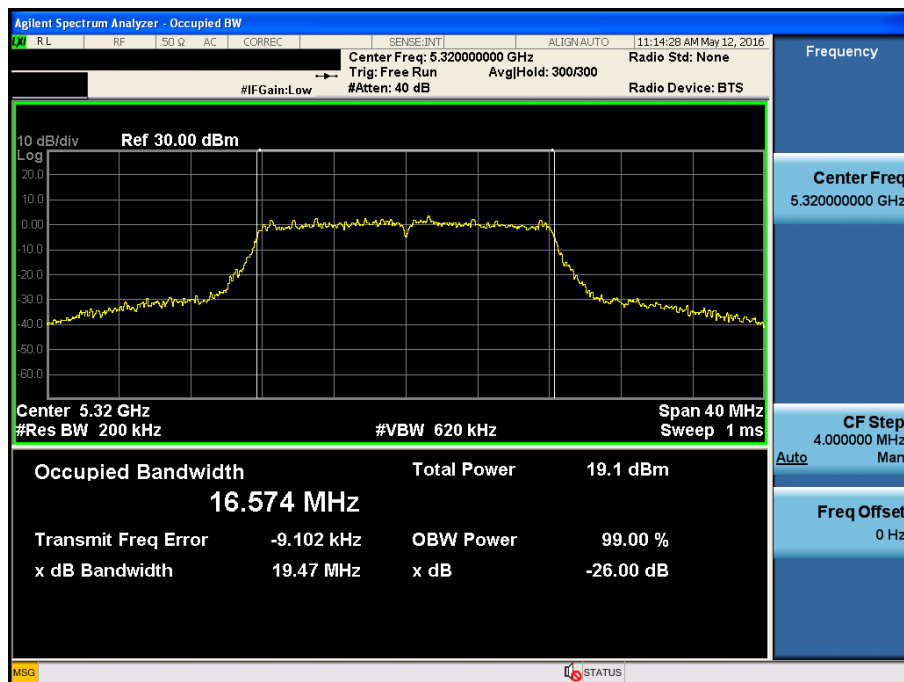
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.60



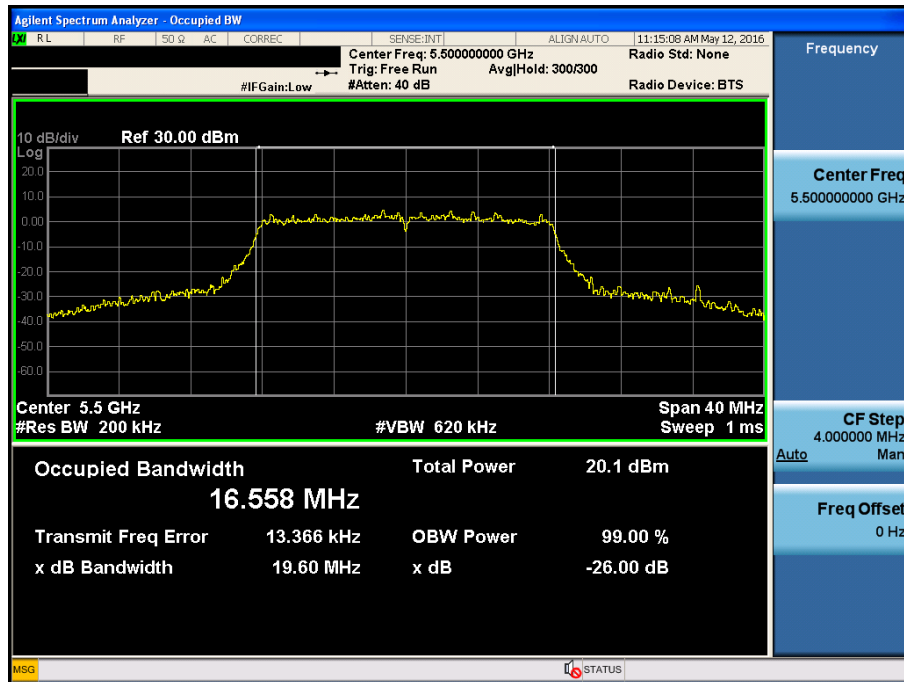
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.64



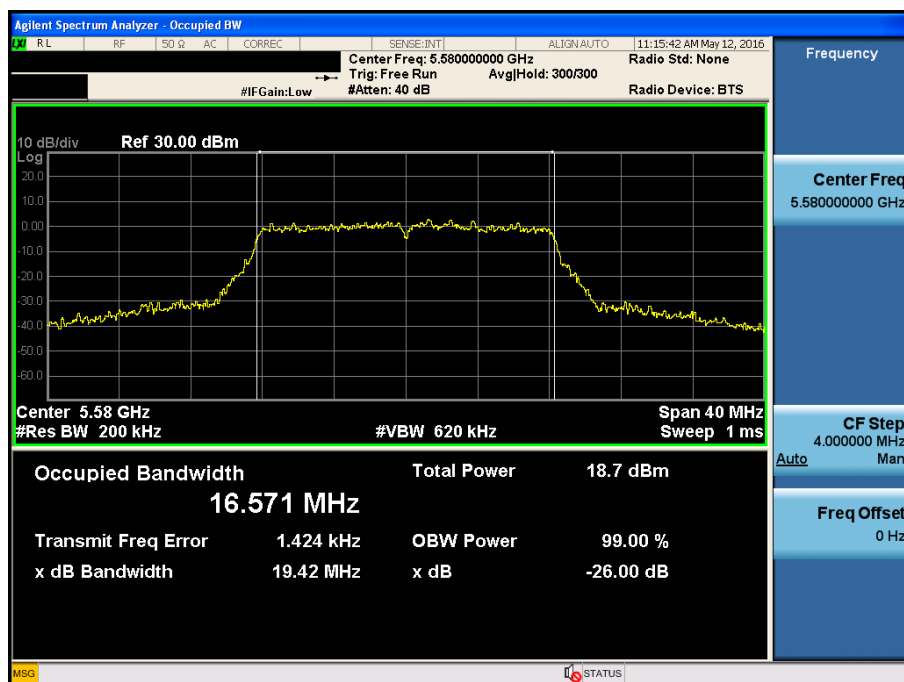
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.100



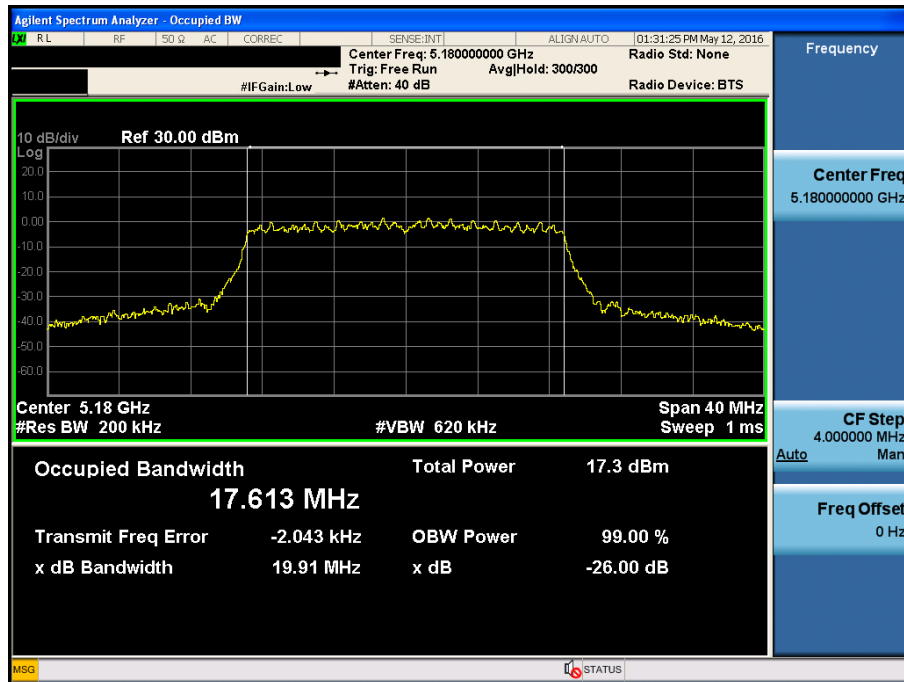
26 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.116



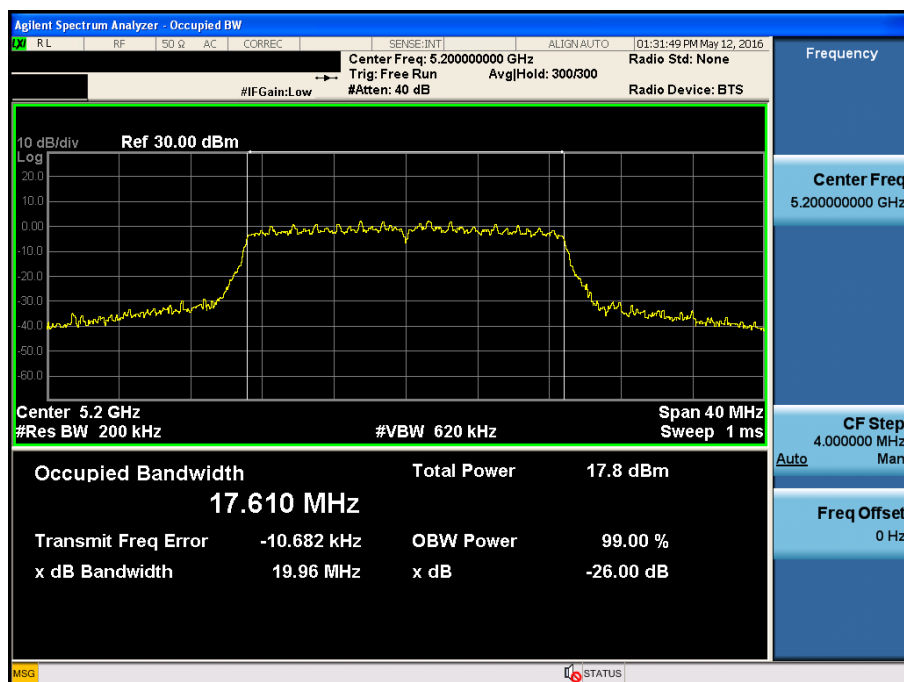
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.36



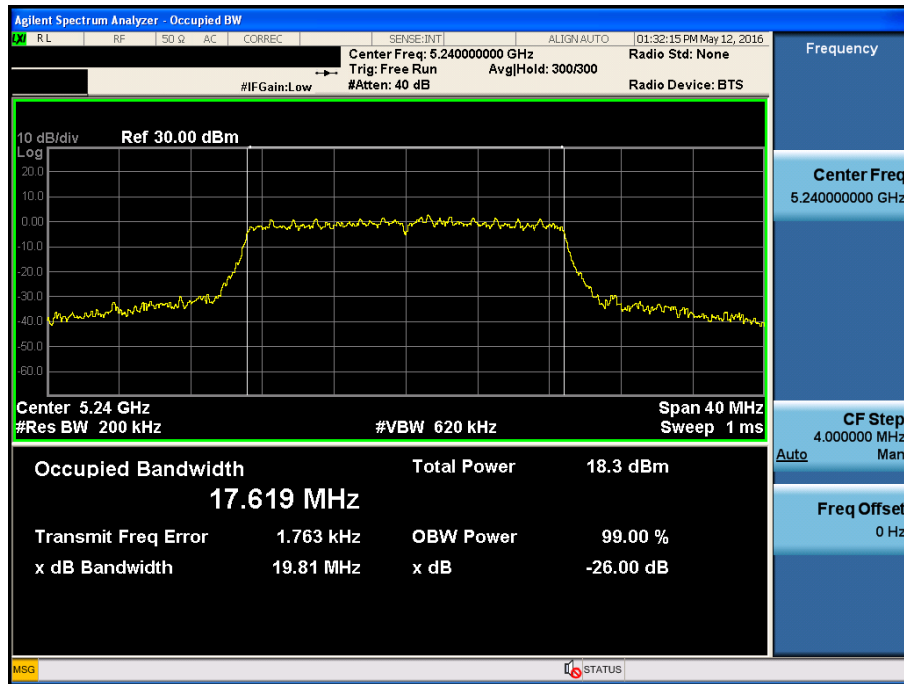
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.40



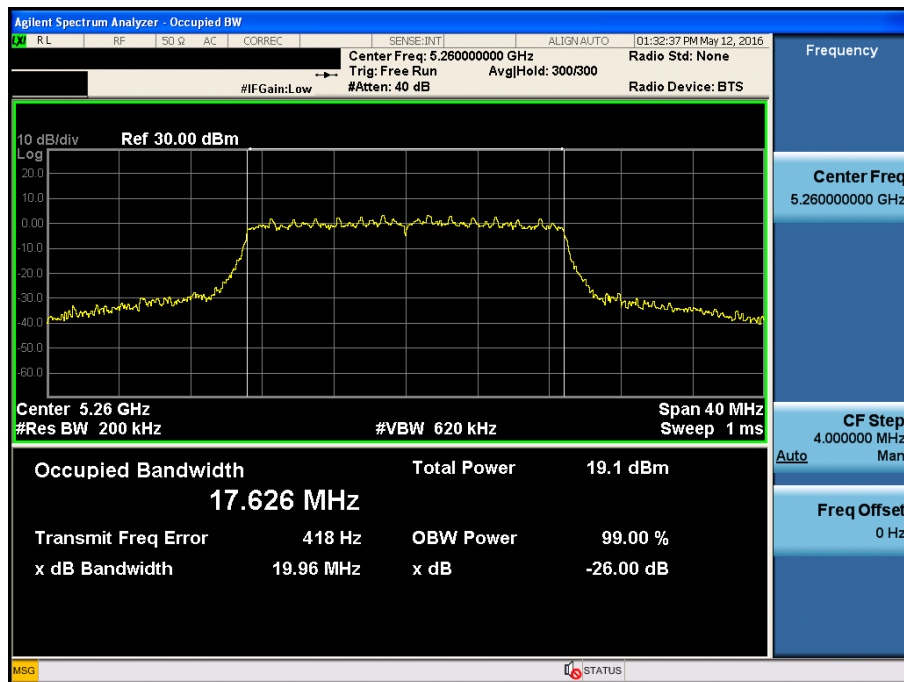
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.48



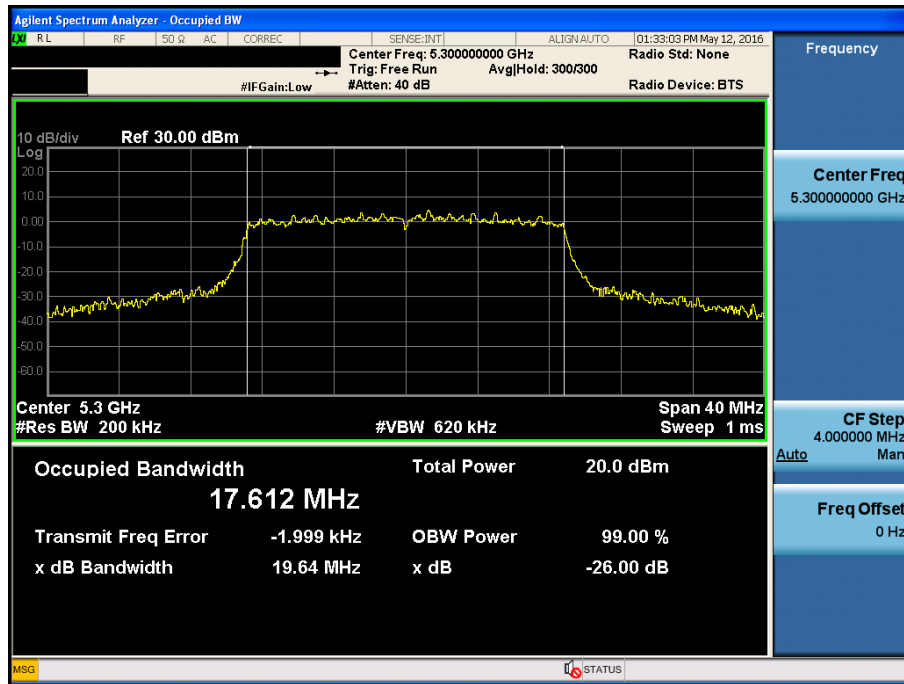
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.52



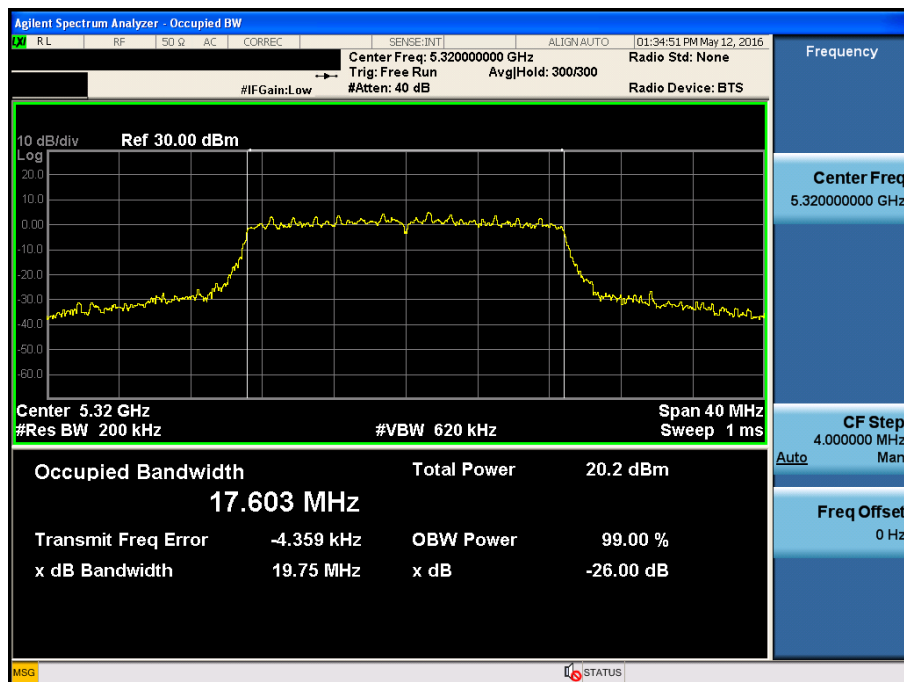
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.60



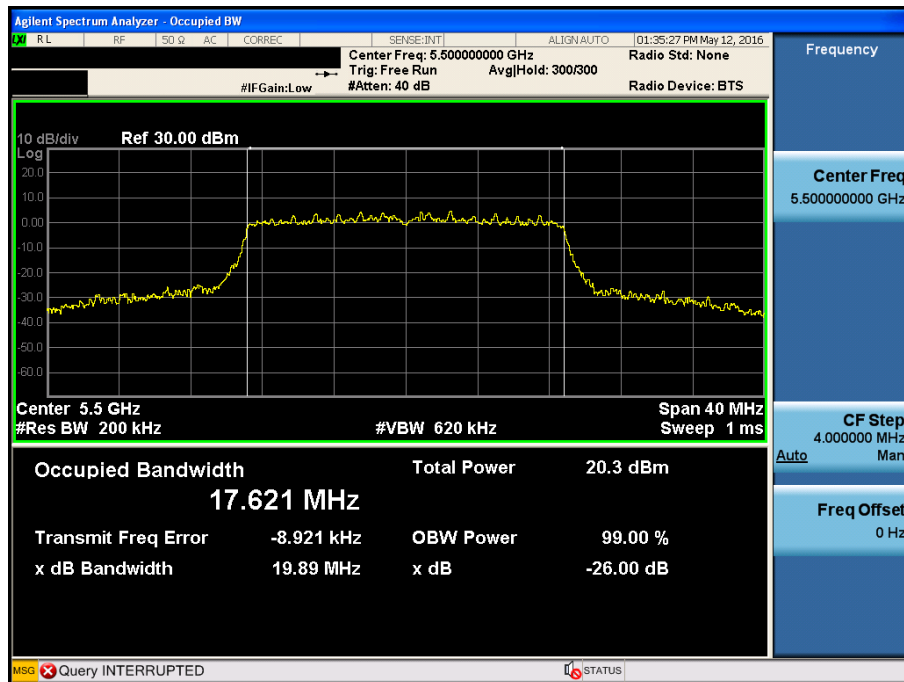
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.64



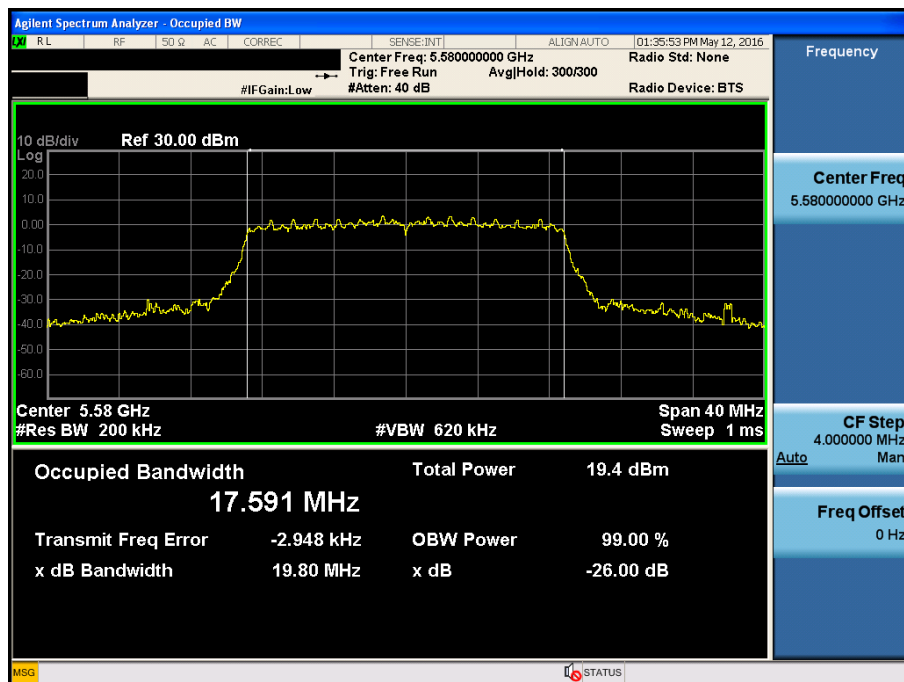
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.100



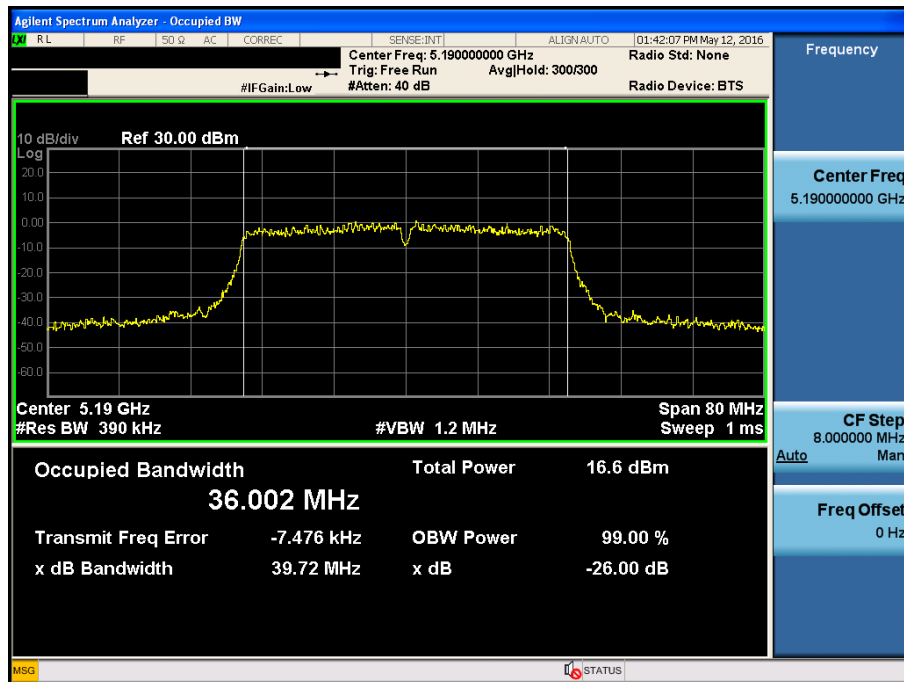
26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.116



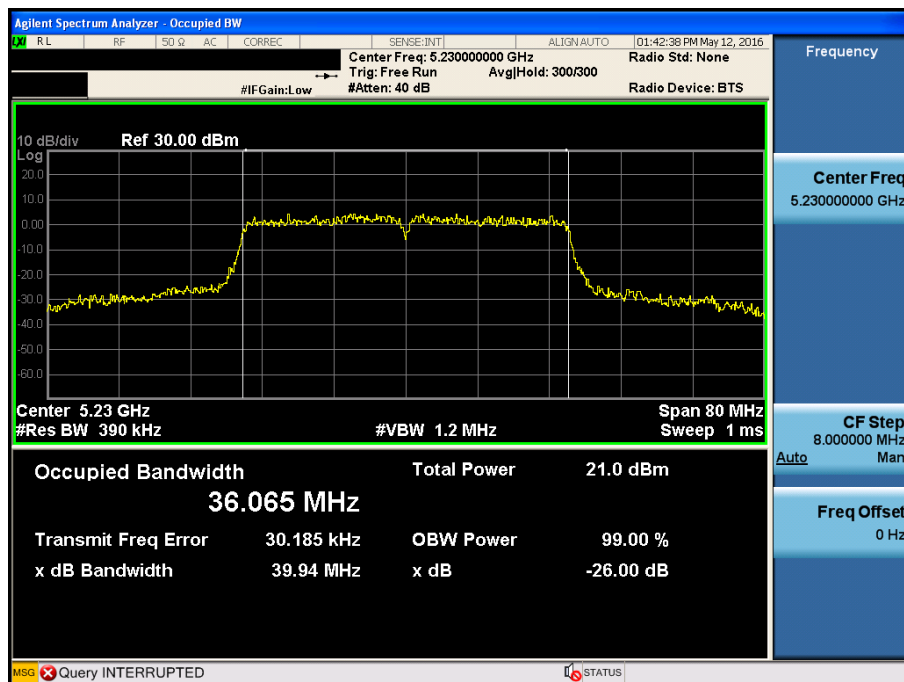
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.38



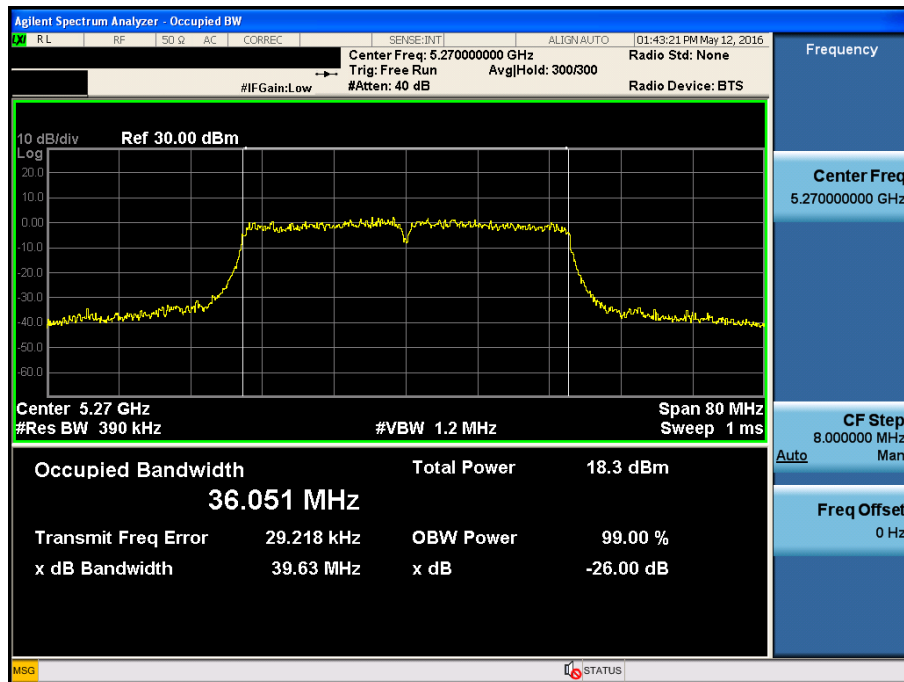
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.46



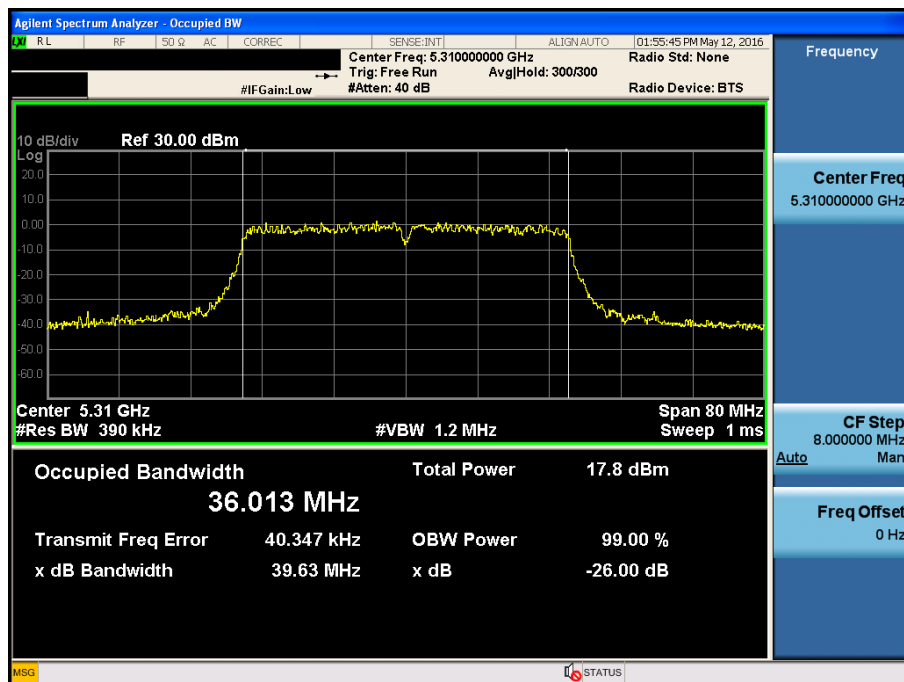
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.54



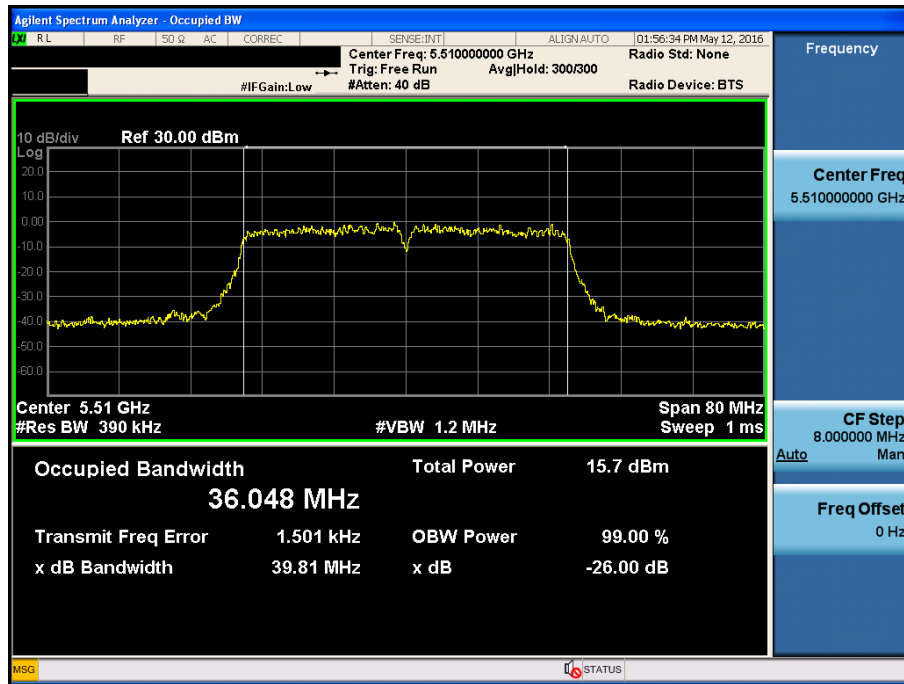
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.62



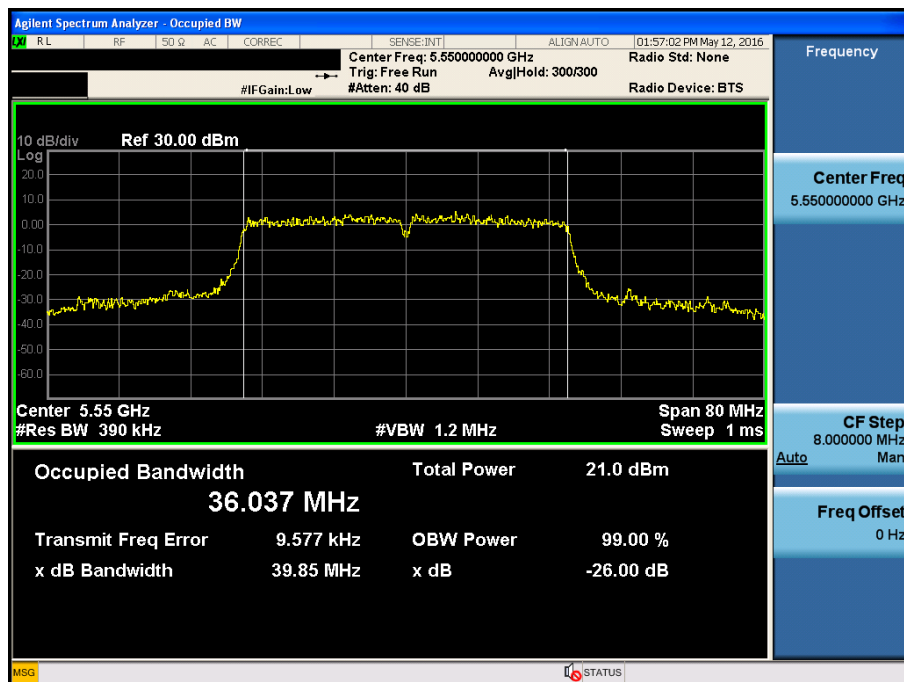
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.102



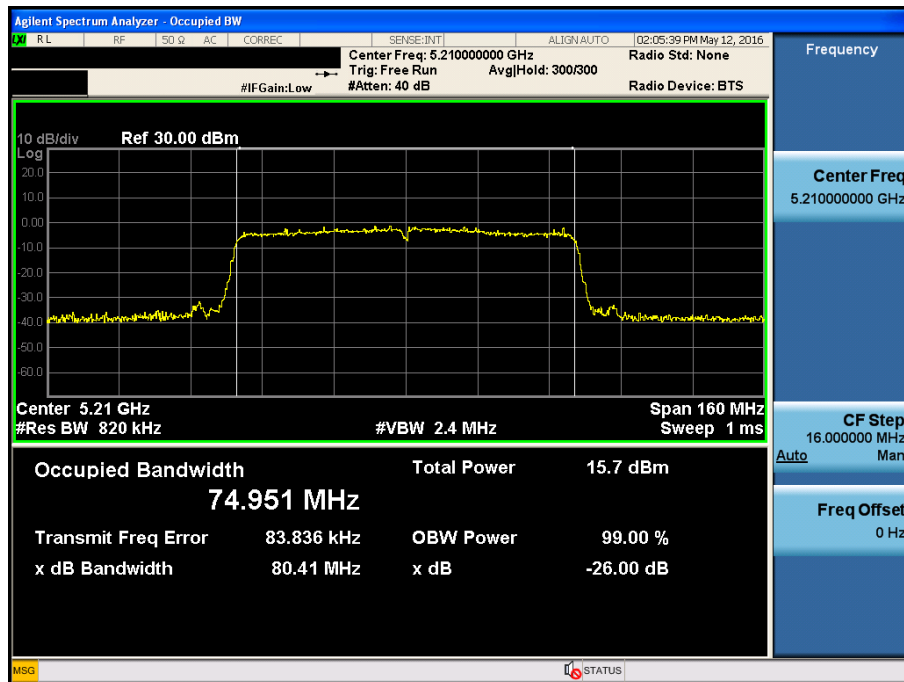
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.110



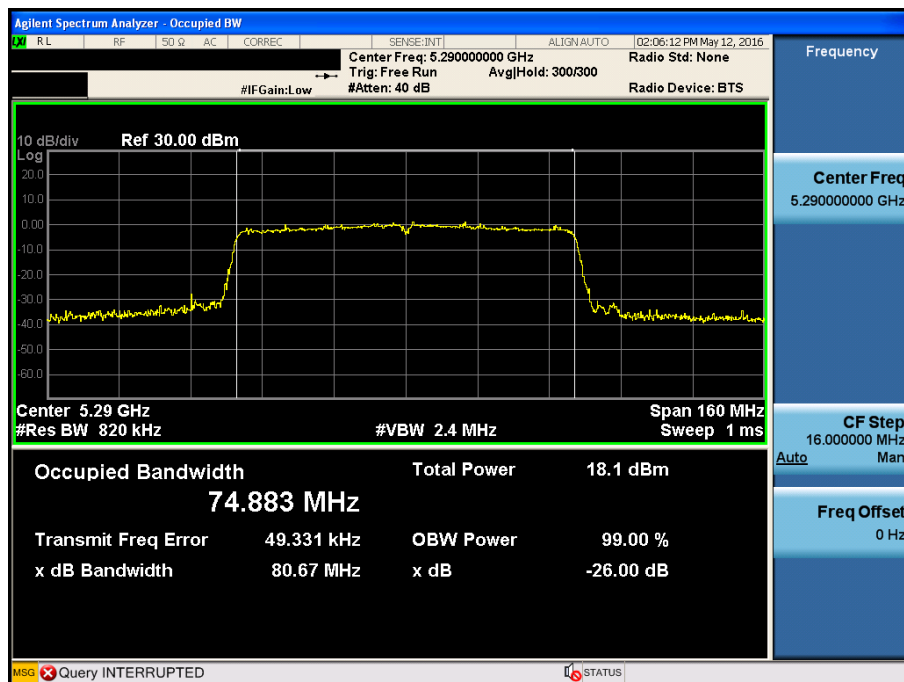
26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 2 & Ch.42



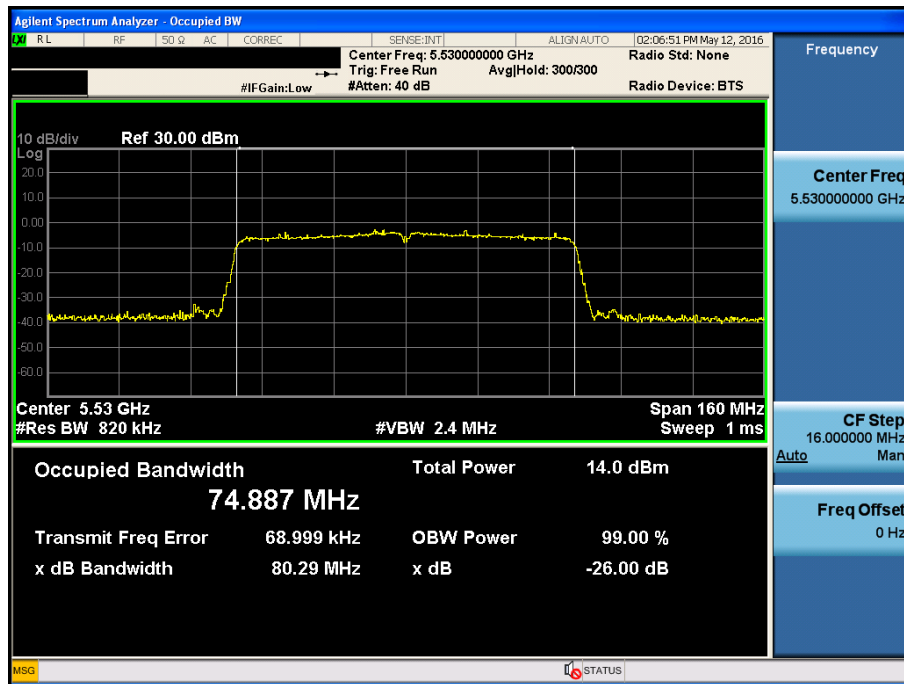
26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 2 & Ch.58



26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 2 & Ch.106



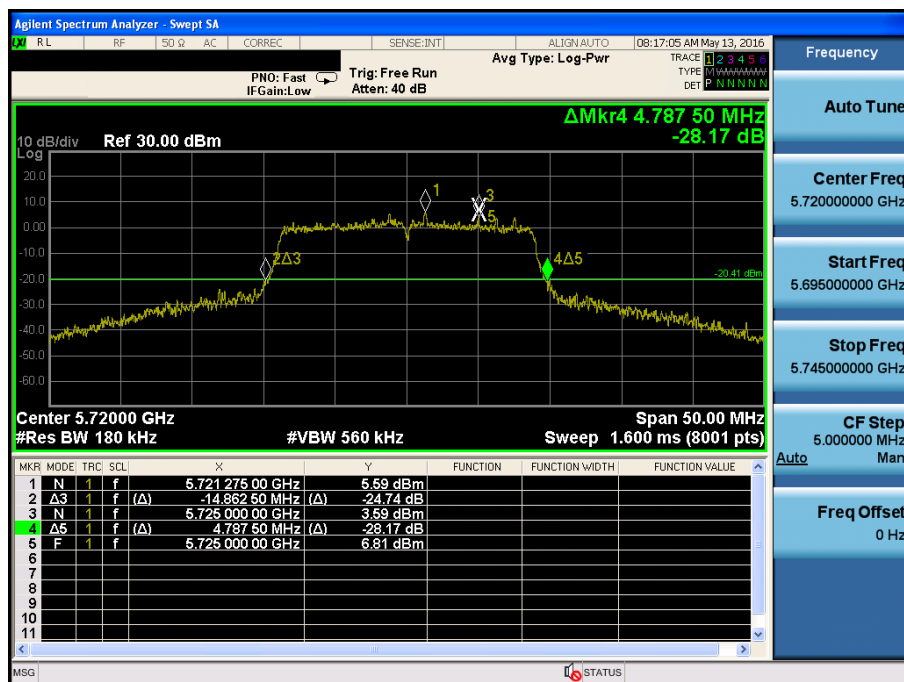
26 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.144



26 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.144



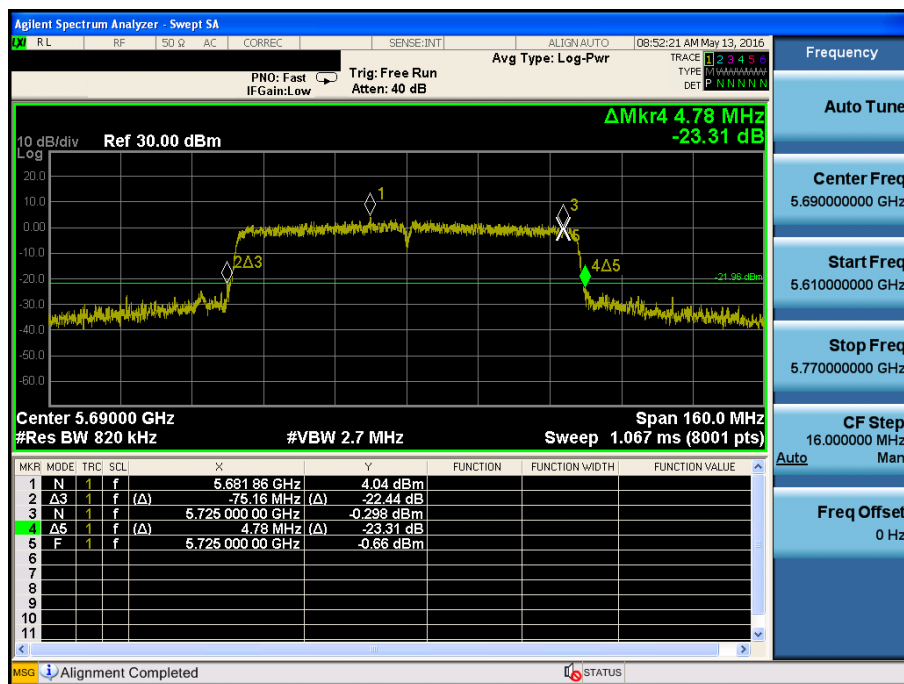
26 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.142



26 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.138



8.2 Minimum Emission Bandwidth (6 dB Bandwidth)

■ Test Requirements

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

■ Test Configuration

Refer to the APPENDIX I.

■ TEST PROCEDURE

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB789033 D02**.

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth $\geq 3 \times \text{RBW}$.
3. Detector = **Peak**.
4. Trace mode = **max hold**.

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

■ TEST RESULTS: **Comply**

Single Transmit

Mode	Band	Channel	Frequency [MHz]	Test Result [MHz]	
				ANT 1	ANT 2
802.11a	U-NII 3	149	5745	16.350	16.320
		157	5785	16.320	16.310
		165	5825	16.310	16.330
802.11n (HT20)	U-NII 3	149	5745	16.710	16.960
		157	5785	16.930	17.090
		165	5825	17.110	16.080
802.11n (HT40)	U-NII 3	151	5755	35.230	35.220
		159	5795	35.440	35.290
802.11ac (VHT80)	U-NII 3	155	5775	75.320	75.310

Multiple Transmit

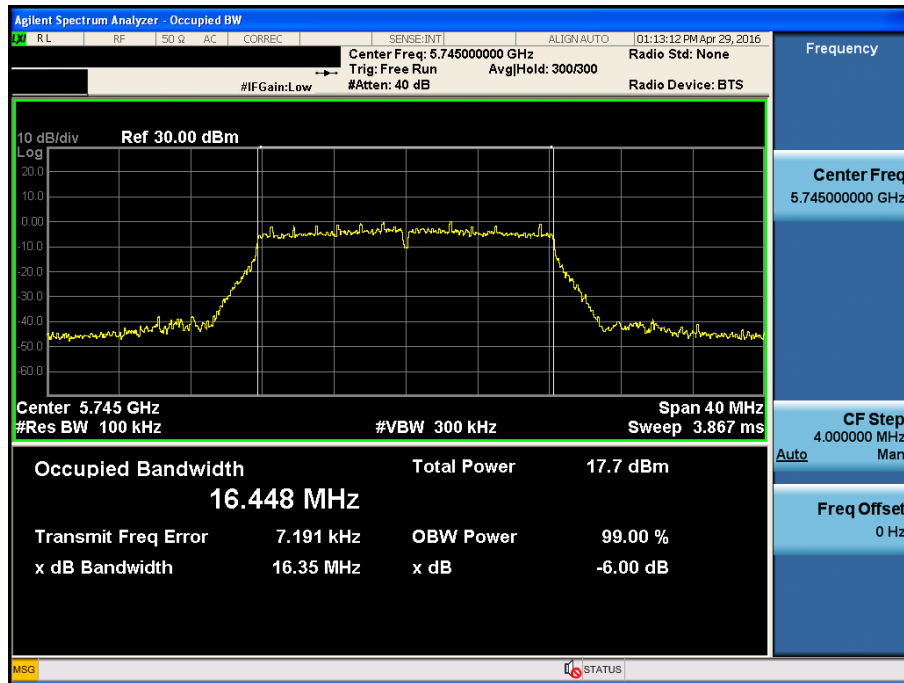
Mode	Band	Channel	Frequency [MHz]	Test Result [MHz]	
				ANT 1	ANT 2
802.11a	U-NII 3	149	5745	15.990	15.330
		157	5785	15.150	15.180
		165	5825	16.060	15.310
802.11n (HT20)	U-NII 3	149	5745	16.320	17.530
		157	5785	16.290	16.640
		165	5825	16.920	16.960
802.11n (HT40)	U-NII 3	151	5755	35.250	35.240
		159	5795	35.240	35.360
802.11ac (VHT80)	U-NII 3	155	5775	75.250	75.270

■ RESULT PLOTS

Single Transmit

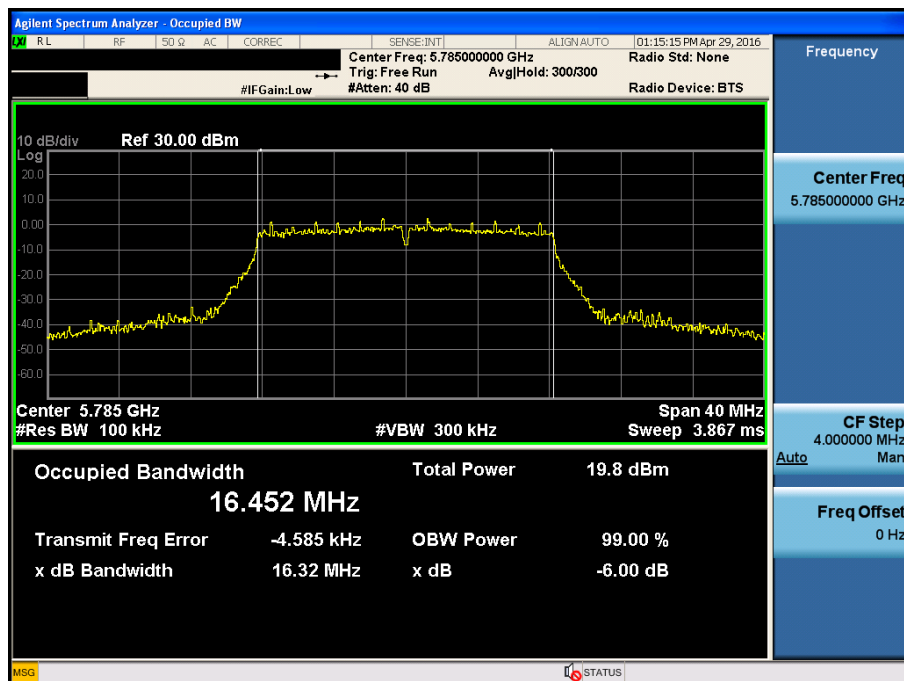
6 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.149



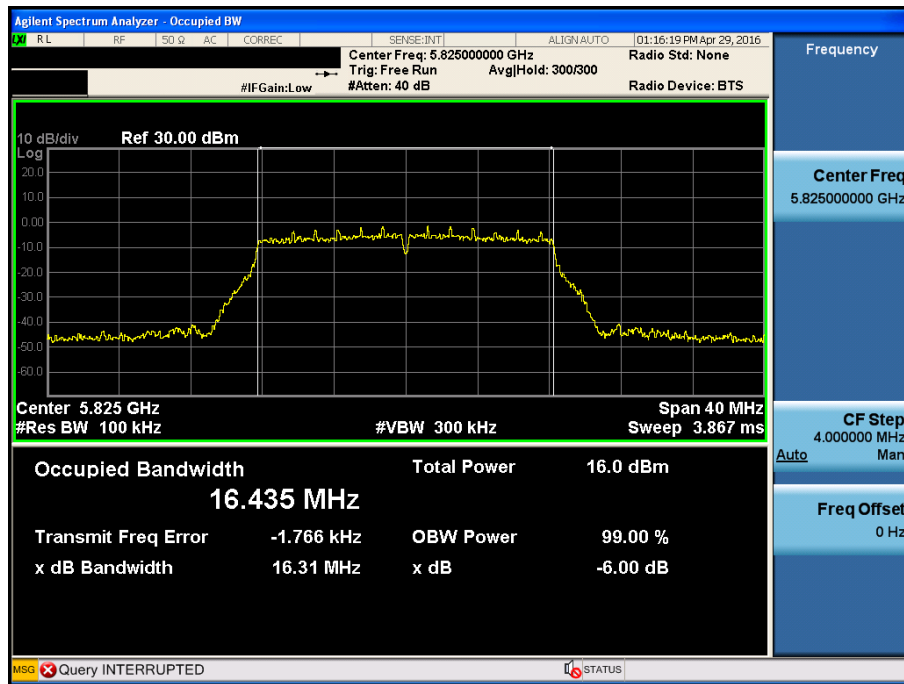
6 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.157



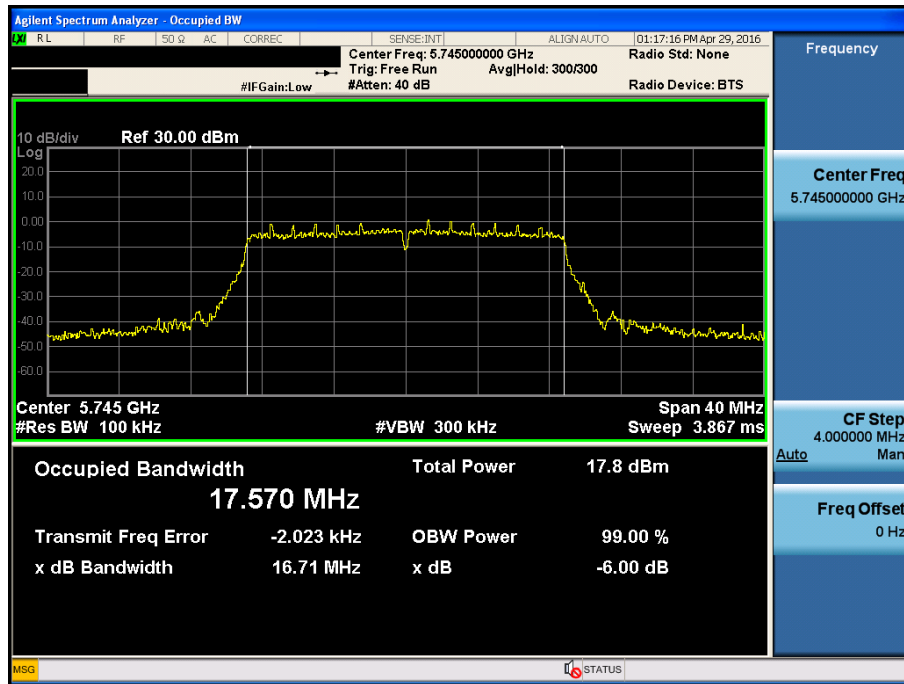
6 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.165



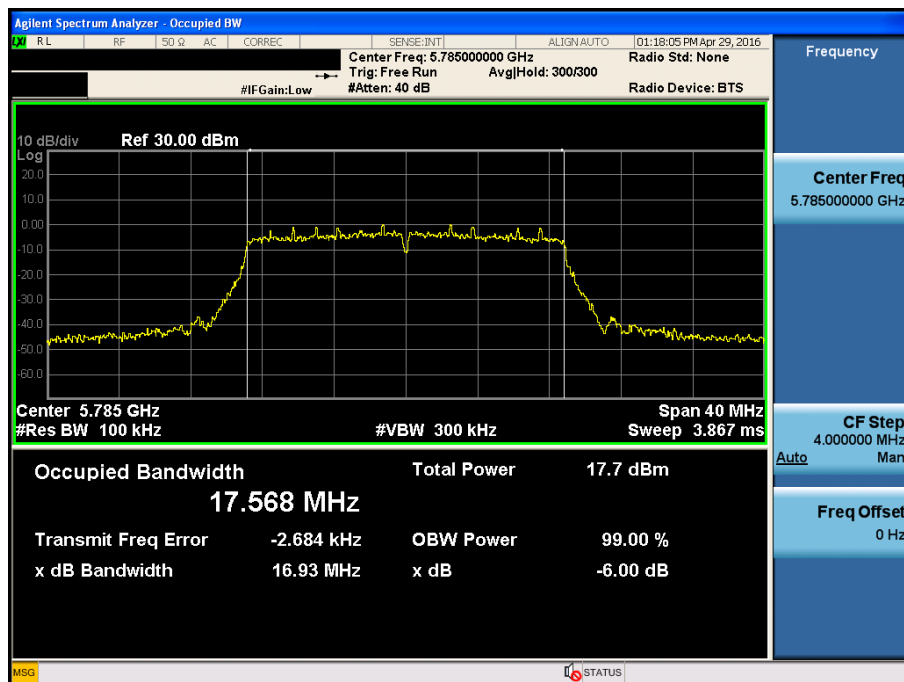
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.149



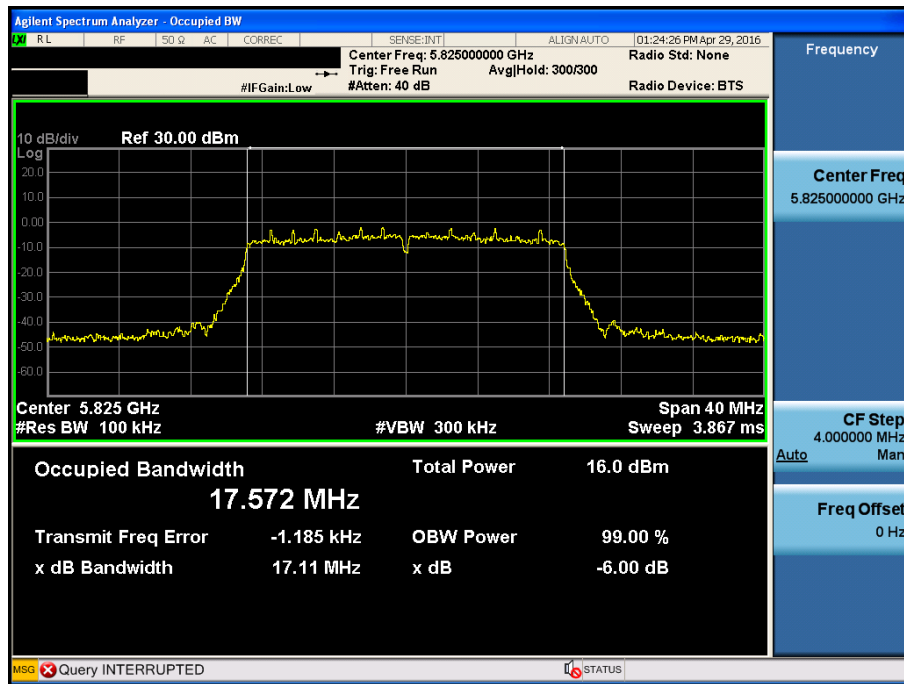
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.157



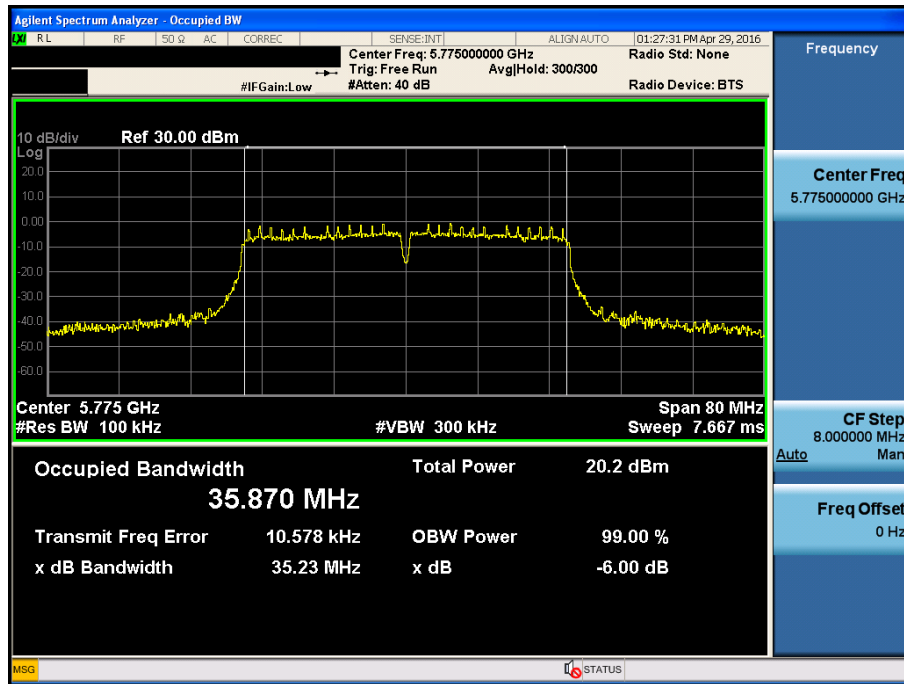
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.165



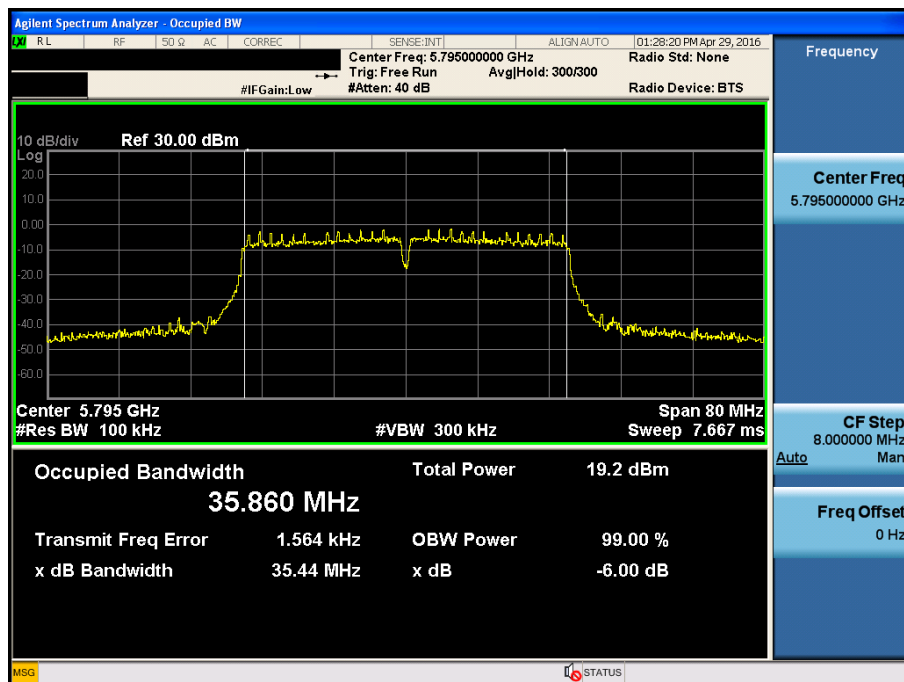
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.151



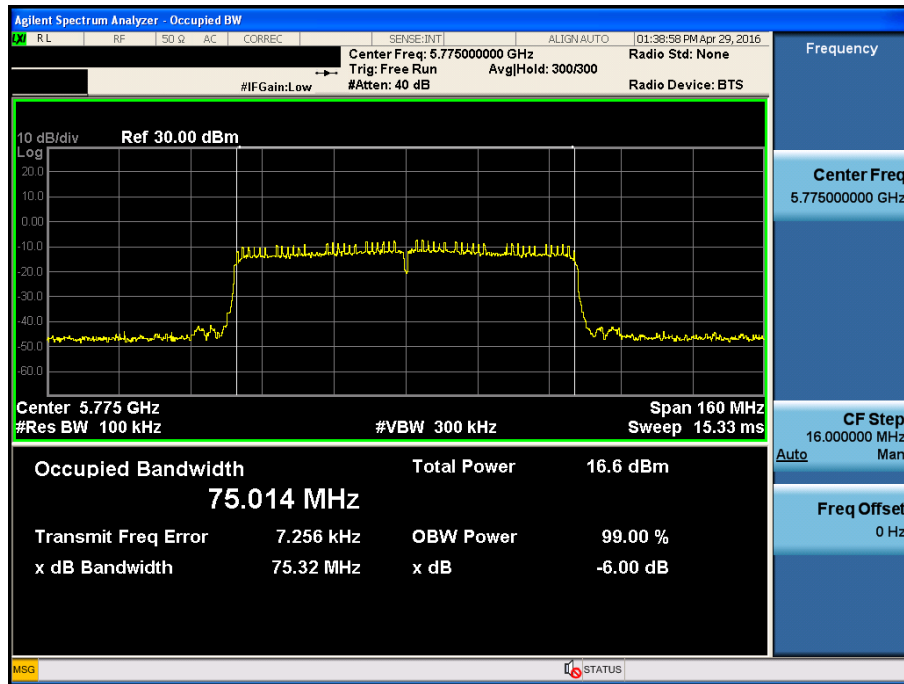
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.159



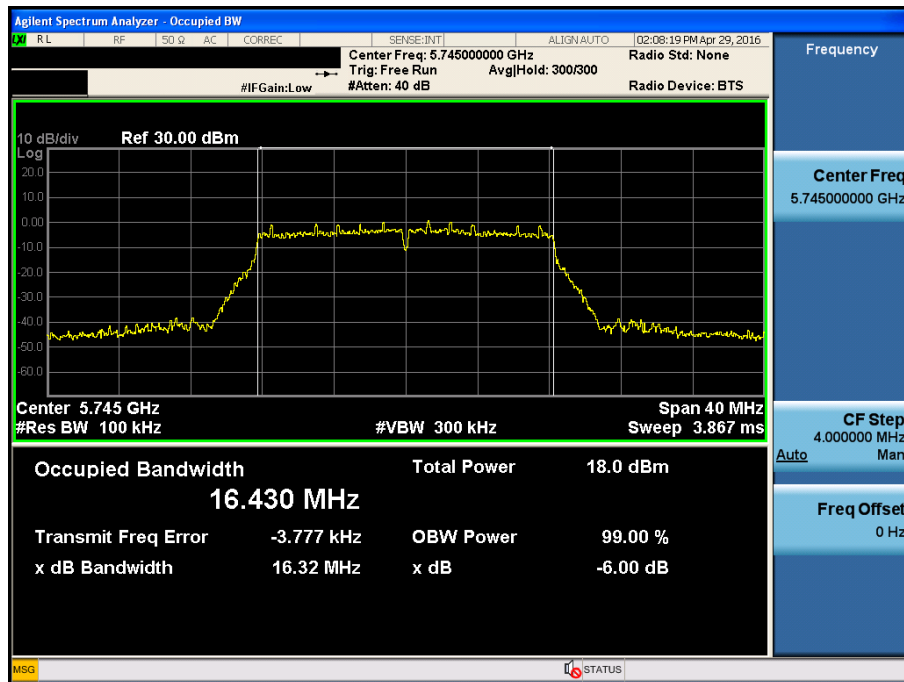
6 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.155



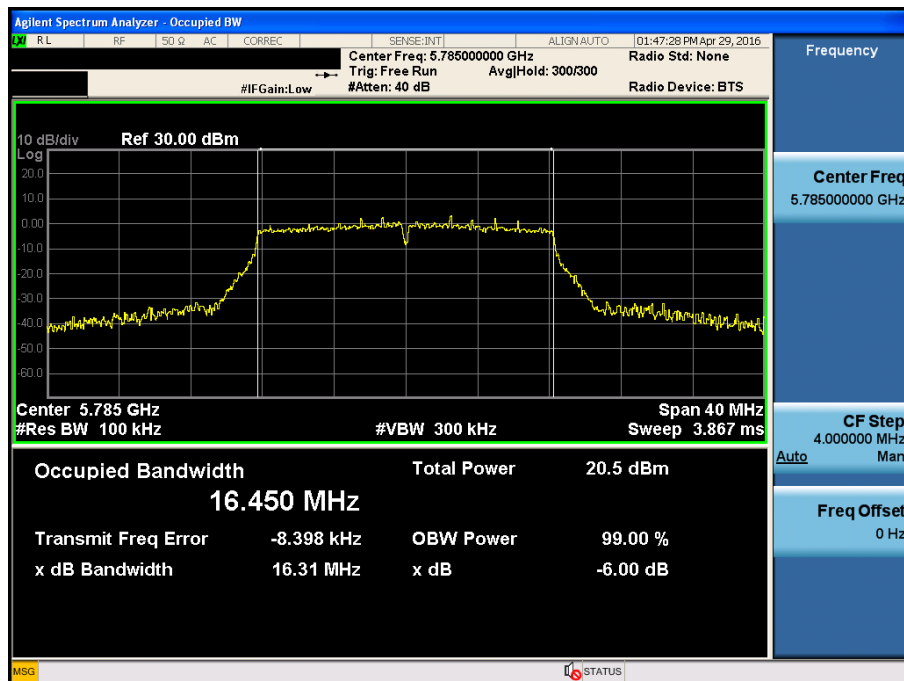
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.149



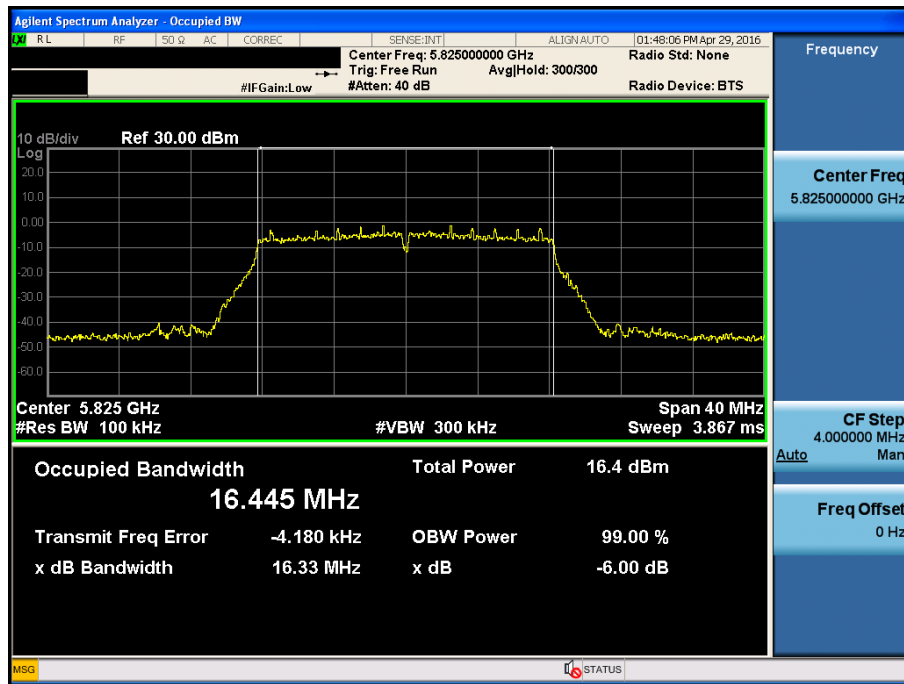
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.157



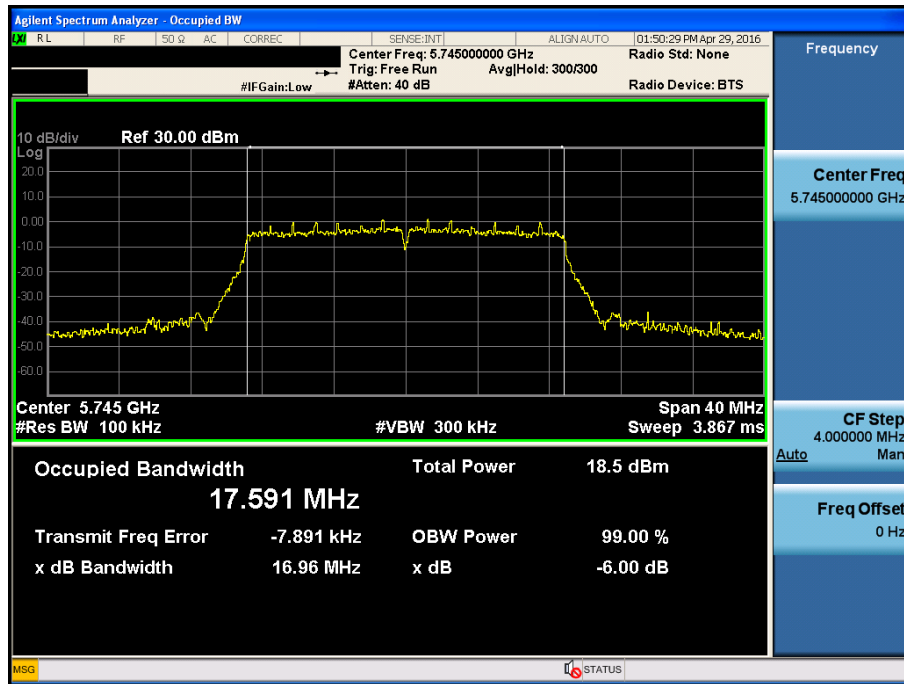
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.165



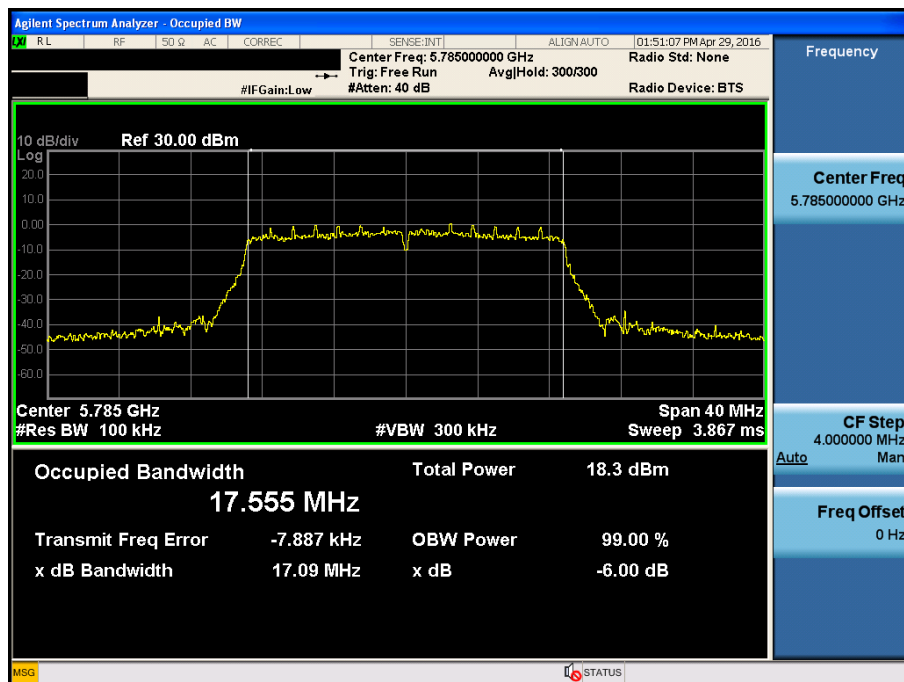
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.149



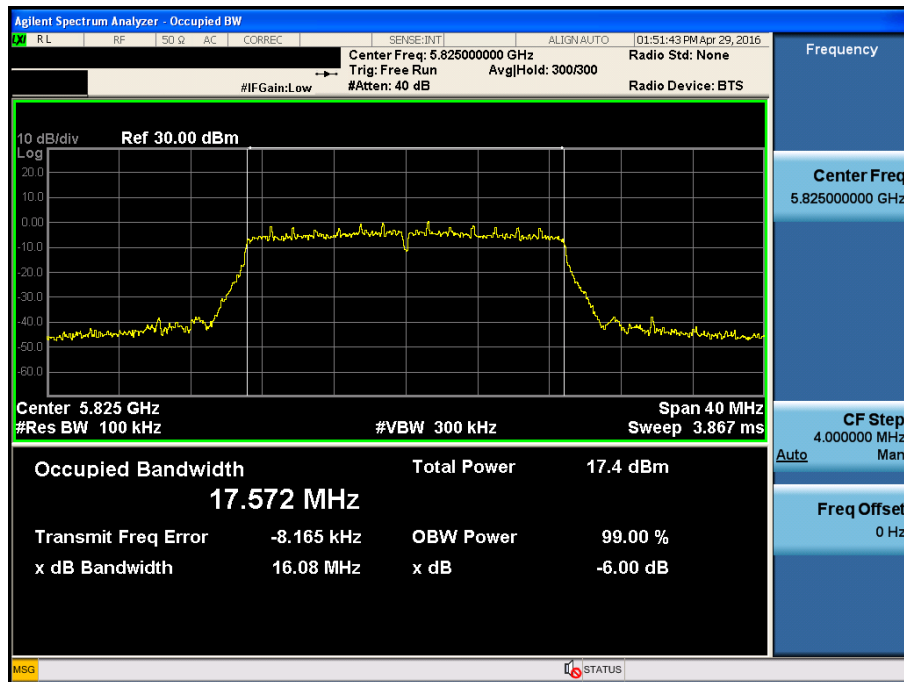
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.157



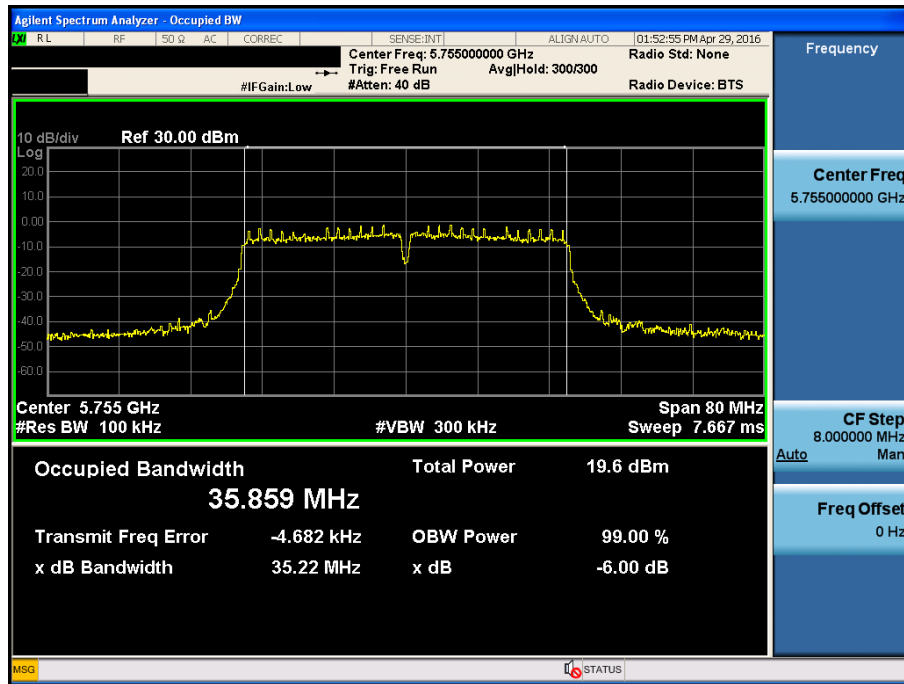
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.165



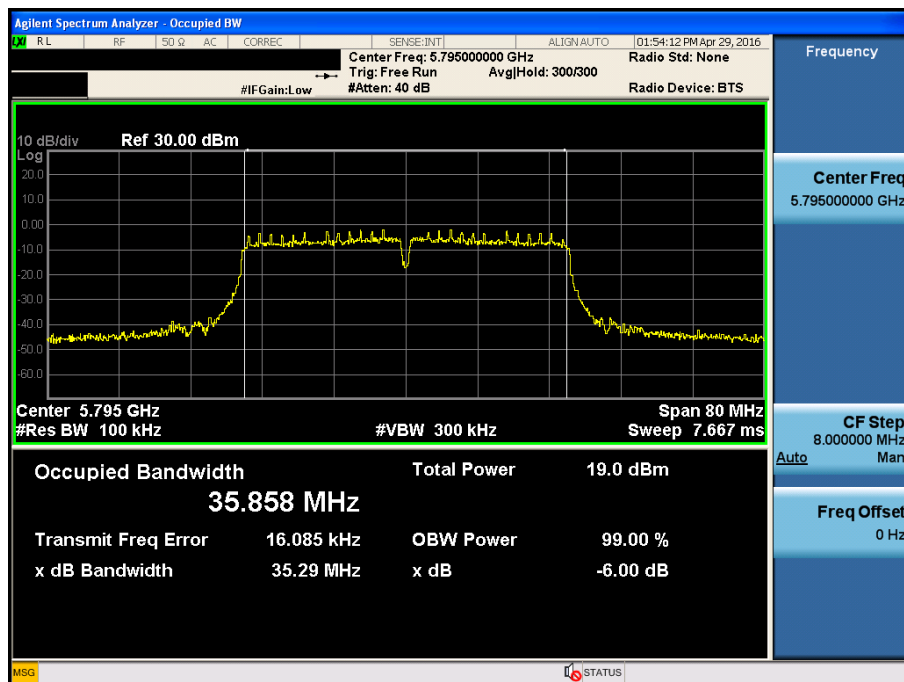
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.151



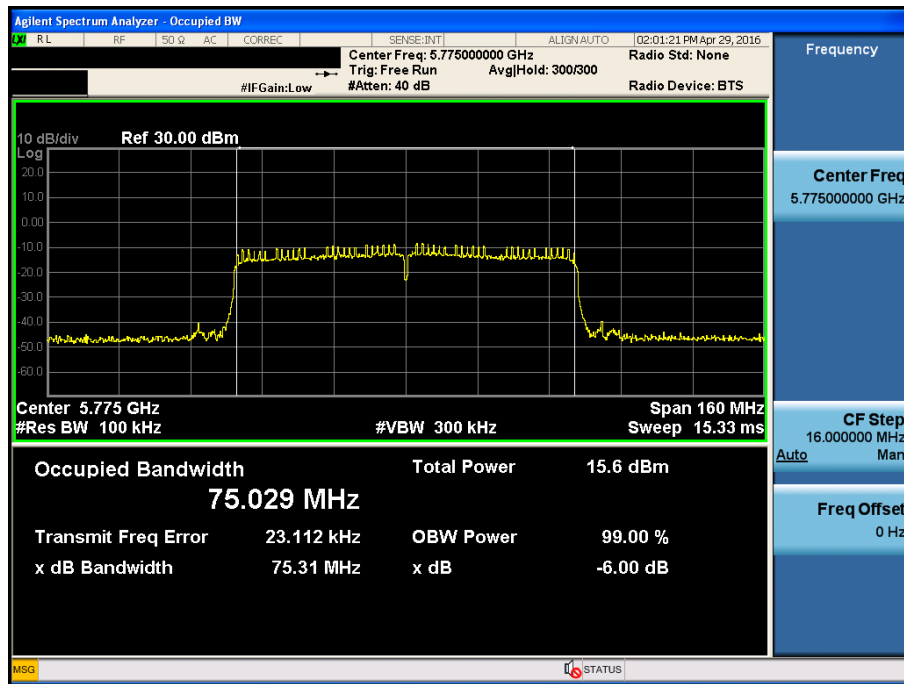
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.159



6 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 2 & Ch.155

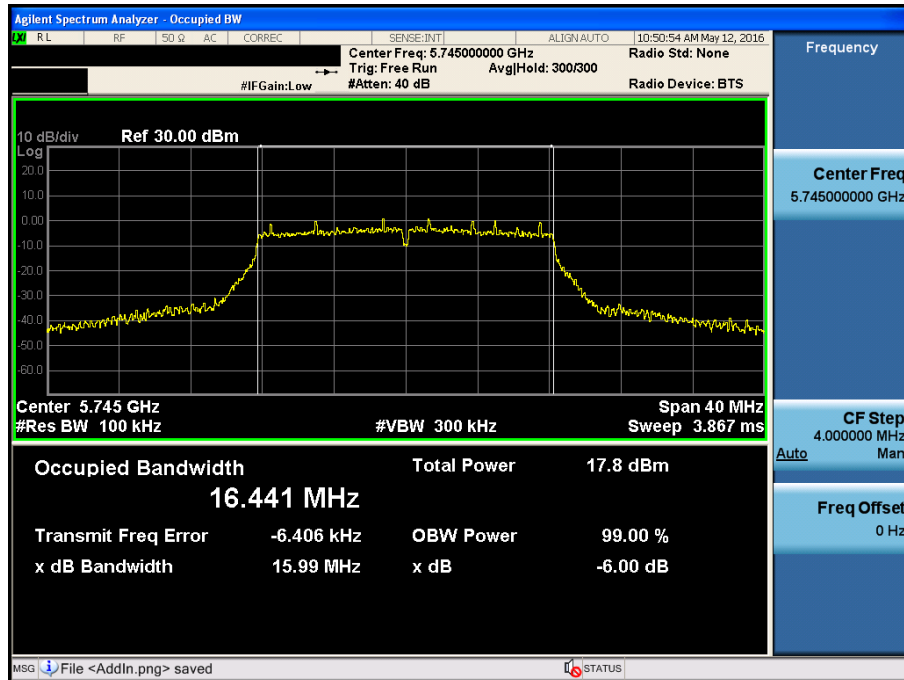


■ RESULT PLOTS

Multiple Transmit

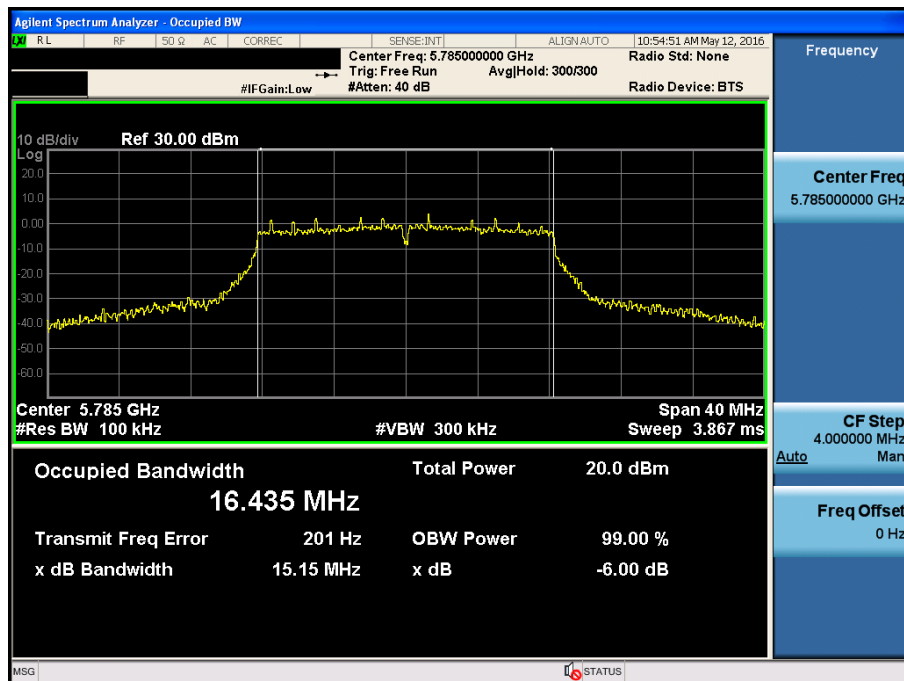
6 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.149



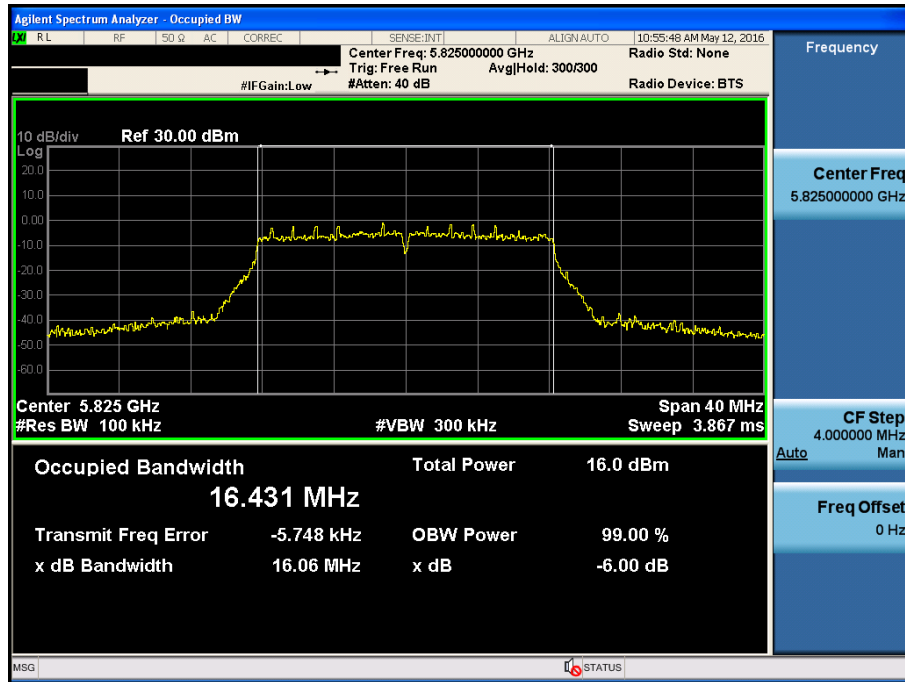
6 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.157



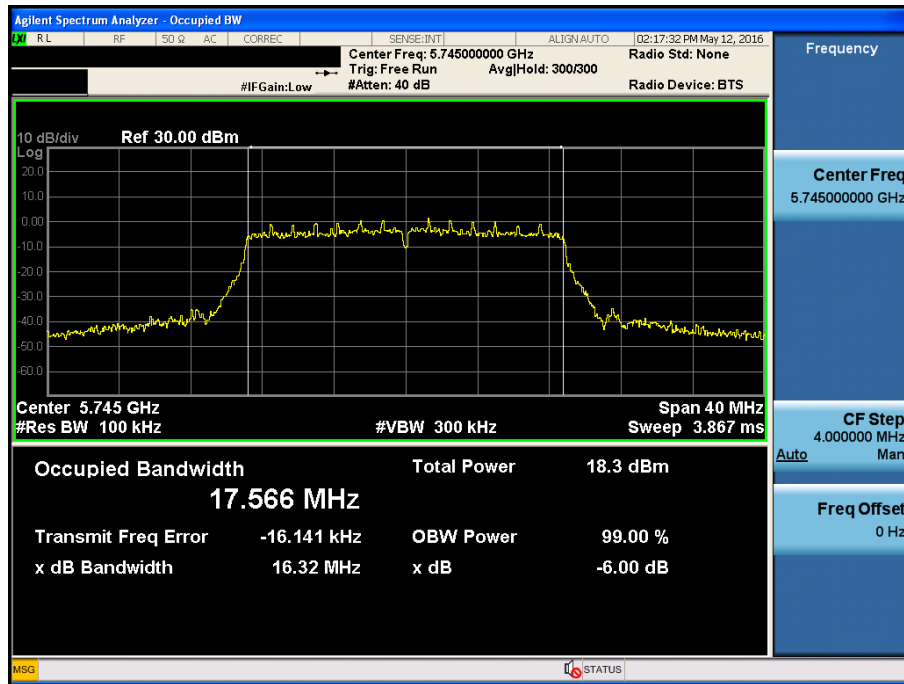
6 dB Bandwidth

Test Mode: 802.11a & ANT 1 & Ch.165



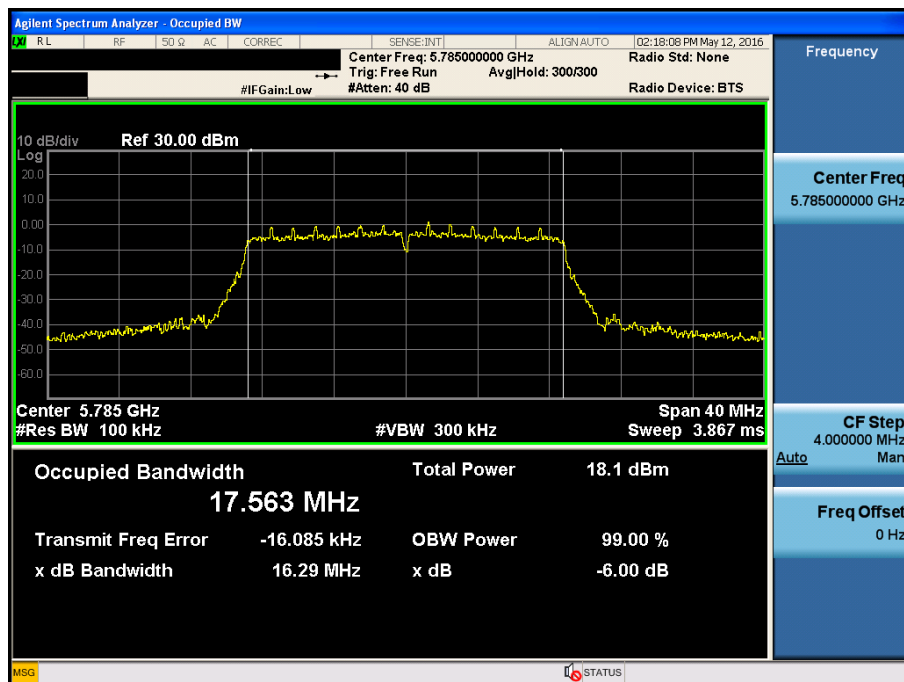
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.149



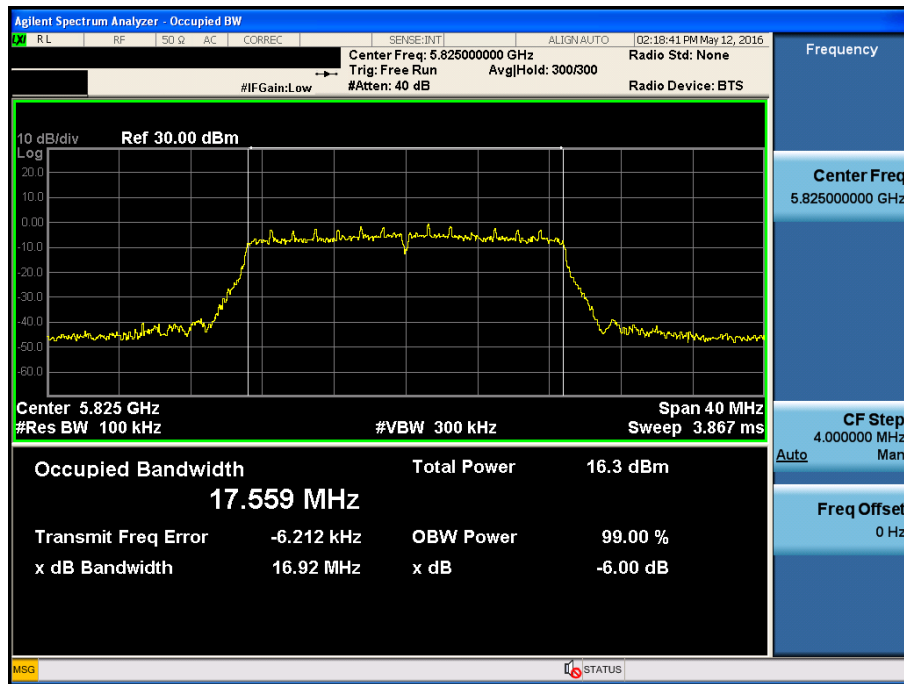
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.157



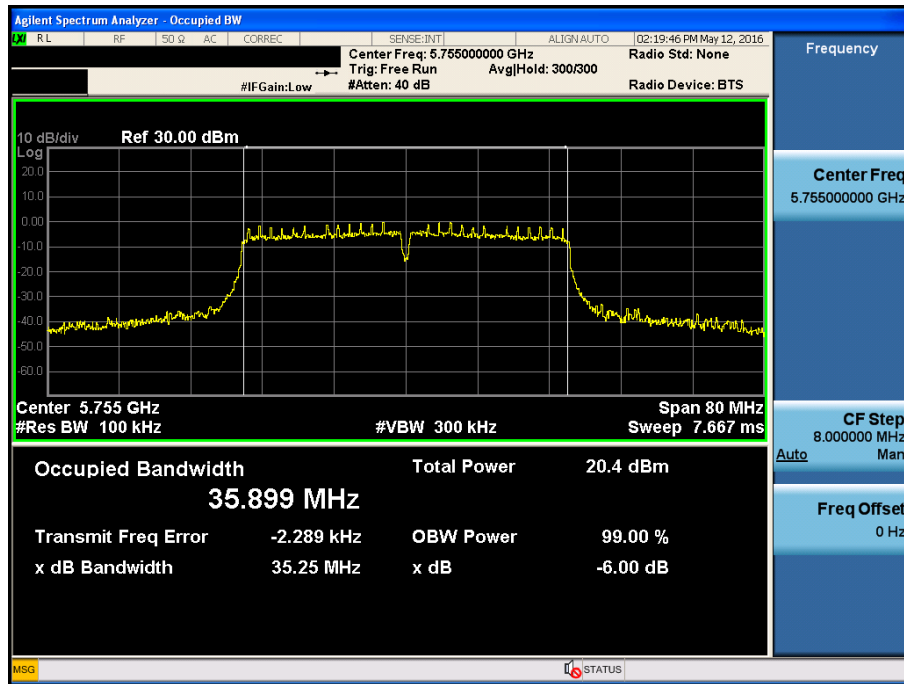
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 1 & Ch.165



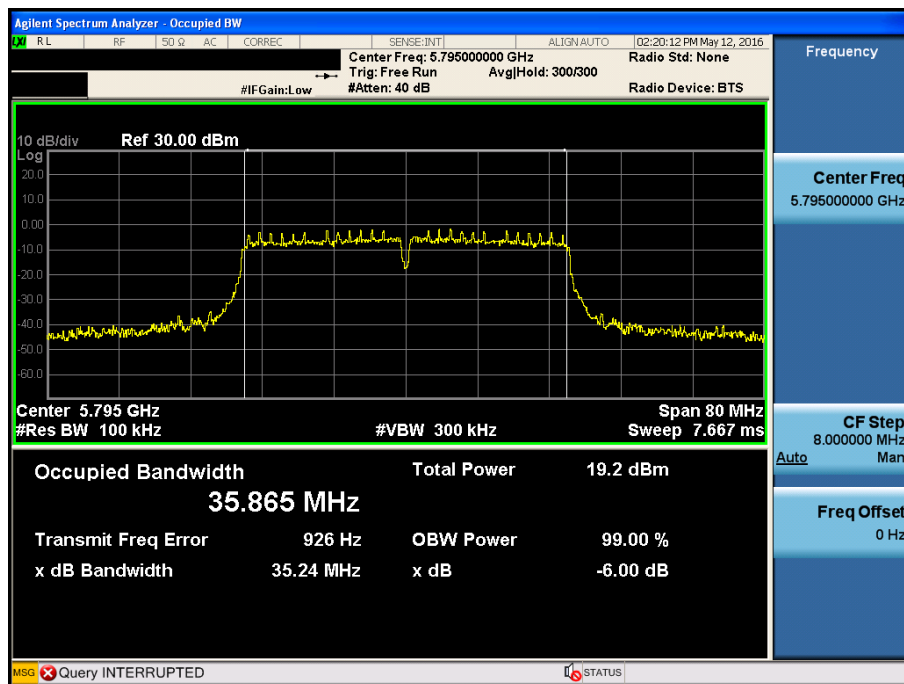
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.151



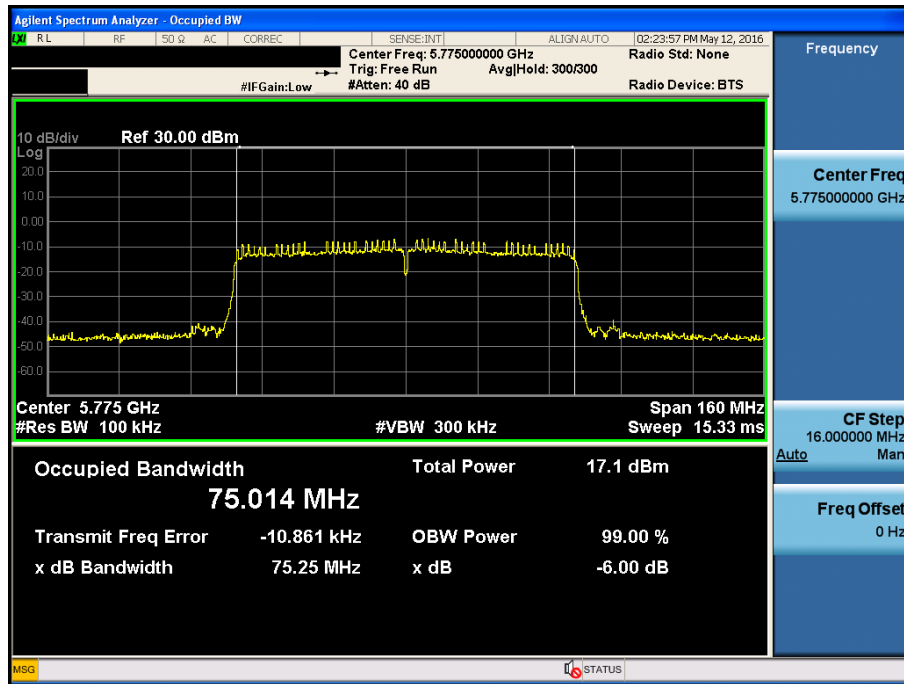
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 1 & Ch.159



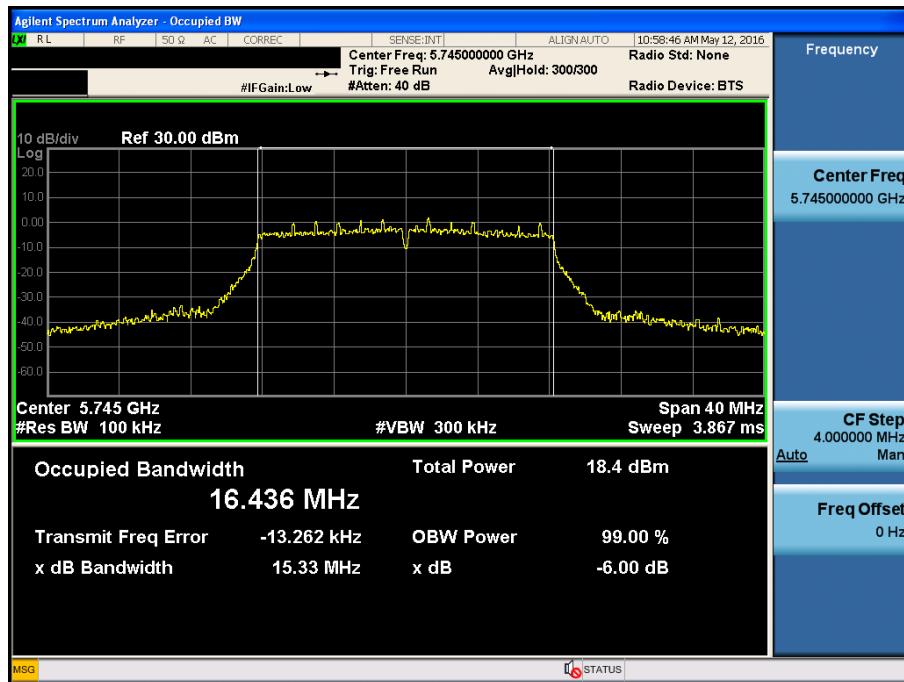
6 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.155



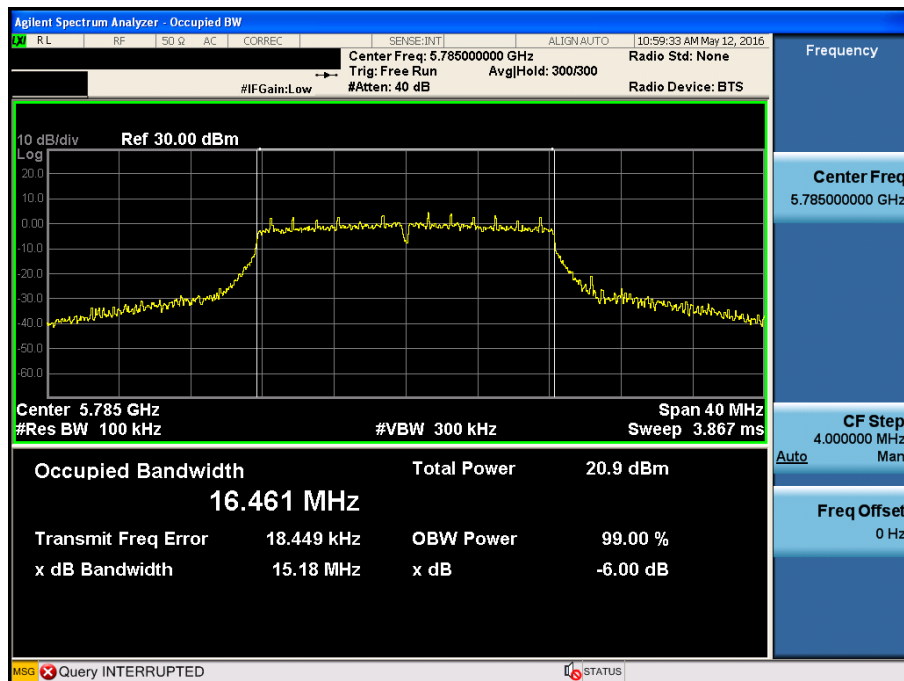
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.149



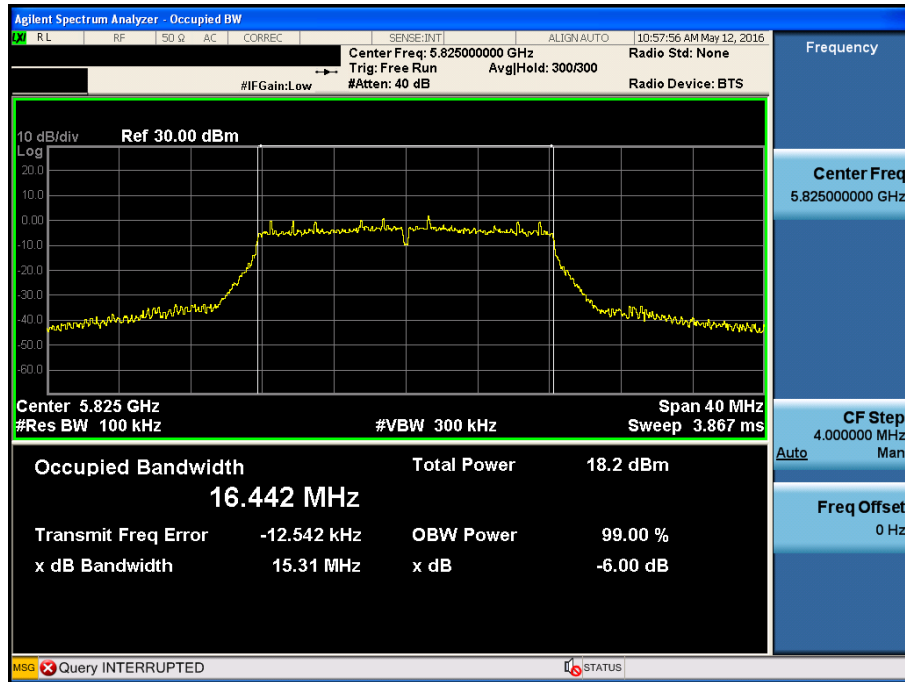
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.157



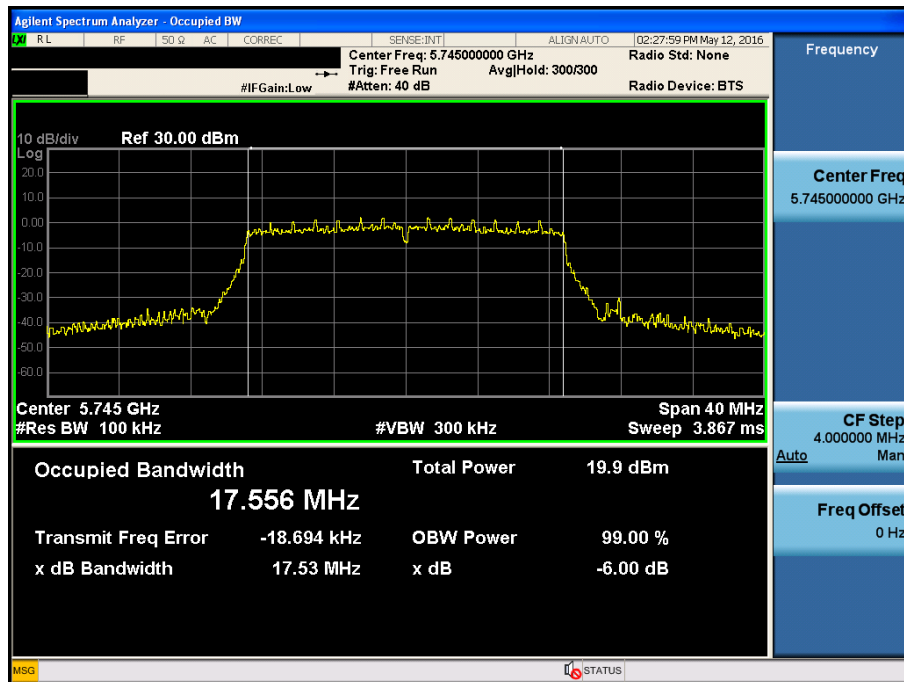
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.165



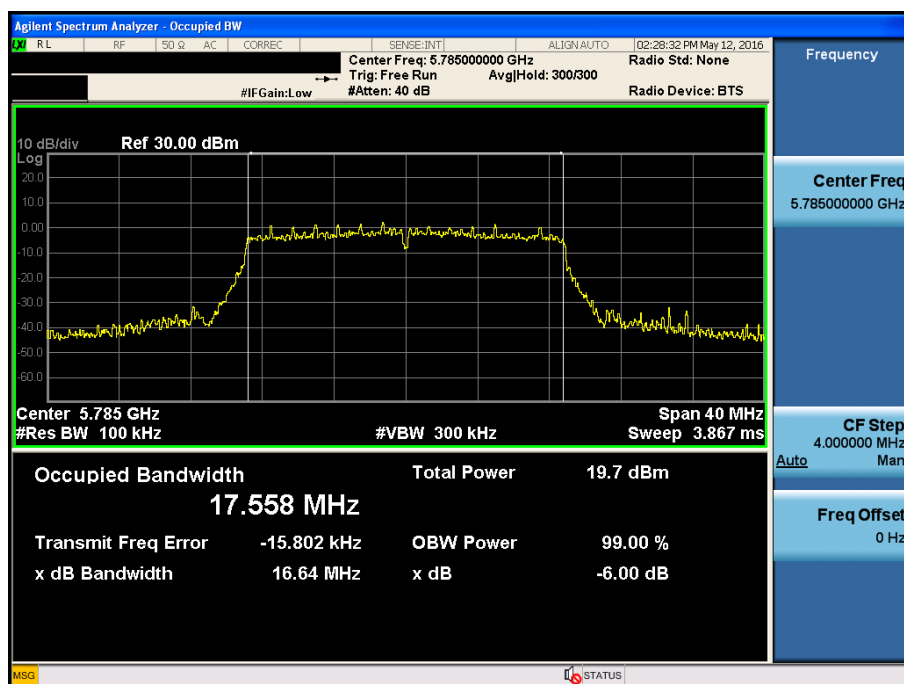
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.149



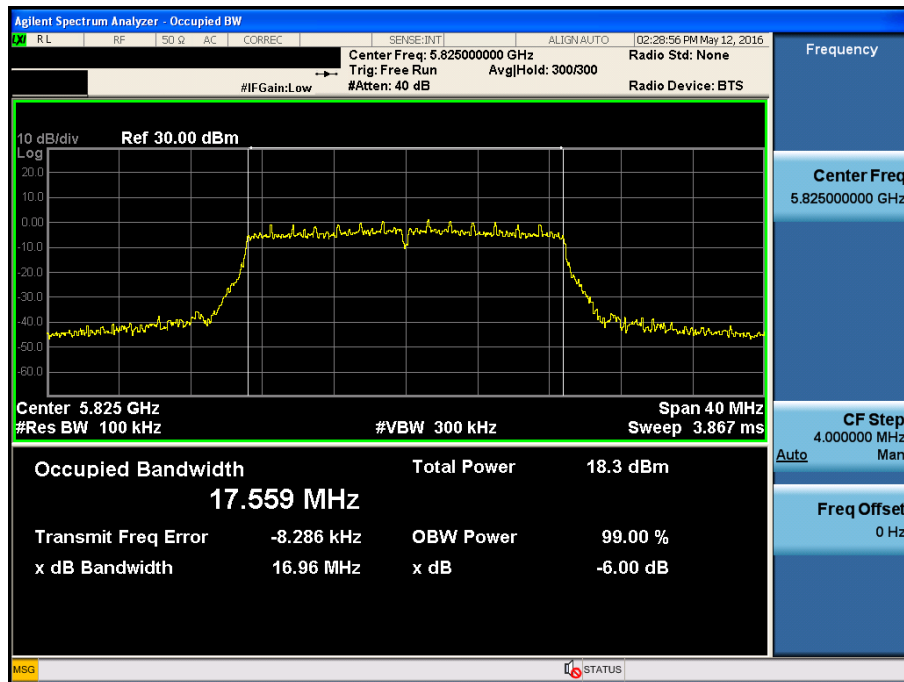
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.157



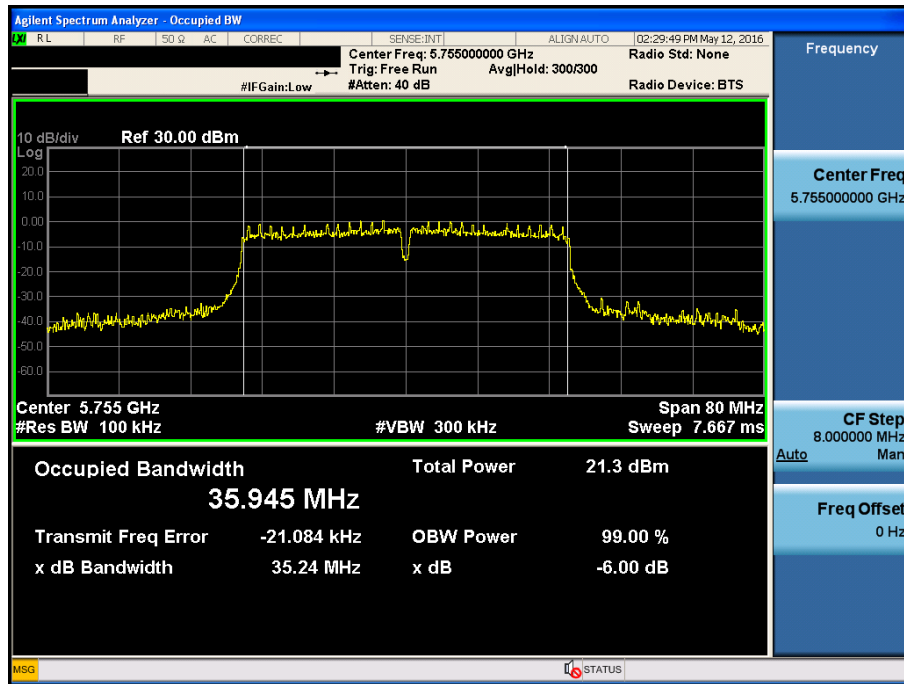
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.165



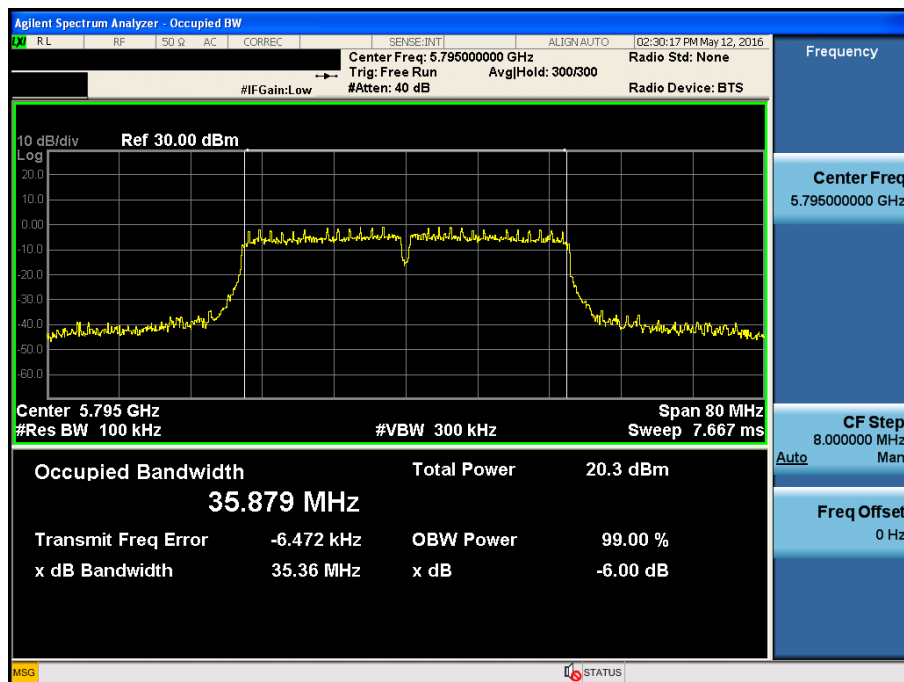
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.151



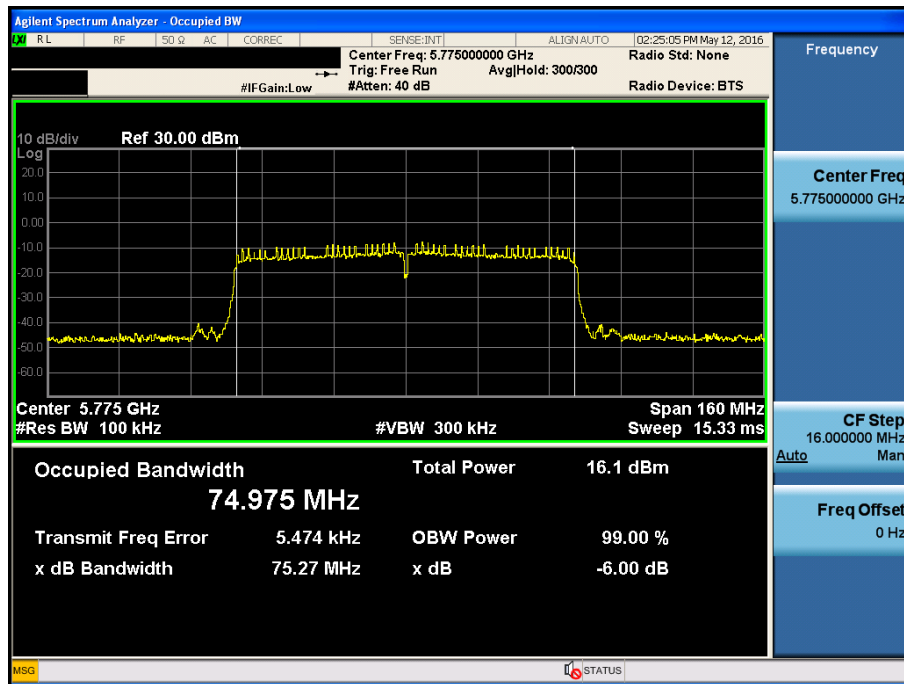
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.159



6 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 2 & Ch.155



8.3 Maximum Conducted Output Power

■ Test Requirements

Part. 15.407(a)

(1) For the band 5.15 - 5.25 GHz.

(i) For an outdoor access point operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15 - 5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725 - 5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

- Output power Limit Calculation (FCC)

Bands	Mode	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case)	Determined Limit [dBm]
U-NII 1	802.11a	250	23.97	1.316	23.97
	802.11n(HT20)				
	802.11n(HT40)				
	802.11ac(VHT80)				

Bands	Mode	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case)	Determined Limit [dBm]
		Least 26 dBc BW [MHz]			
U-NII 2A	802.11a	250	23.97	1.335	23.88
		19.44	23.88		
	802.11n(HT20)	250	23.97		23.93
		19.64	23.93		
	802.11n(HT40)	250	23.97		23.97
		39.63	26.98		
	802.11ac(VHT80)	250	23.97		23.97
		79.96	30.02		
U-NII 2C	802.11a	250	23.97	1.305	23.86
		19.36	23.86		
	802.11n(HT20)	250	23.97		23.96
		19.77	23.96		
	802.11n(HT40)	250	23.97		23.97
		39.75	26.99		
	802.11ac(VHT80)	250	23.97		23.97
		80.16	30.03		

Bands	Mode	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case)	Determined Limit [dBm]
		Least 26 dBc BW [MHz]			
U-NII 2C (band-crossing channels)	802.11a	250	23.97	1.305	22.69
		14.77	22.69		
	802.11n(HT20)	250	23.97		22.73
		14.92	22.73		
	802.11n(HT40)	250	23.97		23.97
		35.03	26.44		
	802.11ac(VHT80)	250	23.97		23.97
		74.86	29.74		
U-NII 3 (band-crossing channels)	802.11a	1000	30.00	1.305	30.00
	802.11n(HT20)				
	802.11n(HT40)				
	802.11ac(VHT80)				

Bands	Mode	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case)	Determined Limit [dBm]
U-NII 3	802.11a	1000	30.00	1.295	30.00
	802.11n(HT20)				
	802.11n(HT40)				
	802.11ac(VHT80)				

RSS-247[6.11]**(1) For band 5150 - 5250 MHz**

The maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99 % emission bandwidth in MHz.

(2) For band 5250 - 5350 MHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log B$, dBm, whichever power is less.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99 % emission bandwidth in MHz.

(3) For band 5470 - 5600 MHz and 5650 - 5725 MHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log B$, dBm, whichever power is less.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99 % emission bandwidth in MHz.

(4) For band 5725 - 5850 MHz

The maximum conducted output power shall not exceed 1 W.

-Output power Limit Calculation(IC)

Band	Mode	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case)	Determined Limit [dBm]
		Least 99 % BW [MHz]			
U-NII 1	802.11a	200	23.01	1.316	22.25
		16.784	22.25		
	802.11n(HT20)	200	23.01		22.48
		17.695	22.48		
	802.11n(HT40)	200	23.01		23.01
		36.077	25.57		
U-NII 2A	802.11a	250	23.97	1.335	23.26
		16.808	23.26		
	802.11n(HT20)	250	23.97		23.49
		17.729	23.49		
	802.11n(HT40)	250	23.97		23.97
		36.038	26.57		
U-NII 2C	802.11a	250	23.97	1.305	23.24
		16.761	23.24		
	802.11n(HT20)	250	23.97		23.47
		17.672	23.47		
	802.11n(HT40)	250	23.97		23.97
		36.017	26.57		
U-NII 2C	802.11ac(VHT80)	250	23.97	1.305	23.97
		74.832	29.74		

Bands	Mode	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case)	Determined Limit [dBm]
		Least 99 % BW [MHz]			
U-NII 2C (band-crossing channels)	802.11a	250	23.97	1.305	23.27
		16.849	23.27		
	802.11n(HT20)	250	23.97		23.49
		17.744	23.49		
	802.11n(HT40)	250	23.97		23.97
		36.077	26.57		
U-NII 2C (band-crossing channels)	802.11ac(VHT80)	250	23.97	1.305	23.97
		74.801	29.74		

Band	Mode	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case)	Determined Limit [dBm]
U-NII 3	802.11a	1000	30.00	1.295	30.00
	802.11n(HT20)				
	802.11n(HT40)				
	802.11ac(VHT80)				

■ Test Results: **Comply**

Mode	CH	Freq. [MHz]	Test Result [dBm]	
			ANT 1	ANT 2
802.11a (Single Transmit)	36	5180	12.150	11.060
	40	5200	12.270	11.290
	48	5240	12.860	11.910
	52	5260	12.860	12.070
	60	5300	13.710	12.910
	64	5320	14.190	13.590
	100	5500	12.990	14.120
	116	5580	11.170	12.750
	-	-	-	-
	149	5745	11.420	12.450
	157	5785	13.960	14.720
	165	5825	10.250	10.330

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	SUM
802.11a (Multiple Transmit)	36	5180	12.060	10.910	14.533
	40	5200	12.200	11.090	14.691
	48	5240	12.770	11.760	15.305
	52	5260	12.780	11.930	15.386
	60	5300	13.640	12.750	16.228
	64	5320	14.110	13.450	16.803
	100	5500	12.920	13.970	16.487
	116	5580	11.100	12.620	14.936
	-	-	-	-	-
	149	5745	11.350	12.280	14.850
	157	5785	13.910	14.570	17.263
	165	5825	10.240	10.140	13.201

Mode	CH	Freq. [MHz]	Test Result [dBm]	
			ANT 1	ANT 2
802.11n(HT20) (Single Transmit)	36	5180	12.160	11.340
	40	5200	12.410	11.620
	48	5240	13.130	12.530
	52	5260	13.470	12.850
	60	5300	14.310	13.870
	64	5320	14.760	14.110
	100	5500	13.220	14.120
	116	5580	11.850	13.190
	-	-	-	-
	149	5745	11.580	12.460
	157	5785	11.440	12.250
	165	5825	10.410	10.650

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	SUM
802.11n(HT20) (Multiple Transmit)	36	5180	12.090	11.250	14.701
	40	5200	12.310	11.520	14.943
	48	5240	13.050	12.430	15.761
	52	5260	13.400	12.800	16.121
	60	5300	14.250	13.780	17.032
	64	5320	14.710	14.030	17.394
	100	5500	13.130	14.040	16.619
	116	5580	11.760	13.120	15.503
	-	-	-	-	-
	149	5745	11.490	12.350	14.952
	157	5785	11.360	12.170	14.794
	165	5825	10.400	10.590	13.506

Mode	CH	Freq. [MHz]	Test Result [dBm]	
			ANT 1	ANT 2
802.11n(HT40) (Single Transmit)	38	5190	10.280	10.110
	46	5230	15.360	13.910
	54	5270	11.970	10.590
	62	5310	11.730	10.180
	102	5510	11.250	10.580
	110	5550	14.180	13.690
	-	-	-	-
	151	5755	13.230	13.290
	159	5795	12.410	12.410

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	SUM
802.11n(HT40) (Multiple Transmit)	38	5190	10.180	10.050	13.126
	46	5230	15.280	13.820	17.621
	54	5270	11.890	10.530	14.273
	62	5310	11.660	10.120	13.968
	102	5510	11.140	10.440	13.814
	110	5550	14.090	13.620	16.872
	-	-	-	-	-
	151	5755	13.150	13.190	16.180
	159	5795	12.330	12.350	15.350

Mode	CH	Freq. [MHz]	Test Result [dBm]	
			ANT 1	ANT 2
802.11ac(VHT20) (Single Transmit)	36	5180	12.270	11.040
	40	5200	12.260	11.170
	48	5240	13.060	12.120
	52	5260	13.680	12.480
	60	5300	14.090	13.460
	64	5320	14.570	13.930
	100	5500	11.580	12.750
	116	5580	11.420	12.890
	-	-	-	-
	149	5745	11.370	12.440
	157	5785	11.340	12.240
	165	5825	10.340	10.430

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	SUM
802.11ac(VHT20) (Multiple Transmit)	36	5180	12.200	10.930	14.622
	40	5200	12.170	11.050	14.656
	48	5240	13.000	11.960	15.521
	52	5260	13.600	12.330	16.022
	60	5300	14.030	13.330	16.704
	64	5320	14.510	13.760	17.161
	100	5500	11.500	12.590	15.089
	116	5580	11.370	12.750	15.125
	-	-	-	-	-
	149	5745	11.310	12.280	14.832
	157	5785	11.280	12.090	14.714
	165	5825	10.330	10.280	13.315

Mode	CH	Freq. [MHz]	Test Result [dBm]	
			ANT 1	ANT 2
802.11ac(VHT40) (Single Transmit)	38	5190	10.090	10.130
	46	5230	15.320	13.910
	54	5270	15.340	14.220
	62	5310	11.440	10.140
	102	5510	11.250	10.340
	110	5550	13.990	13.390
	-	-	-	-
	151	5755	13.270	13.160
	159	5795	12.460	12.210

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	SUM
802.11ac(VHT40) (Multiple Transmit)	38	5190	10.020	10.120	13.081
	46	5230	15.230	13.700	17.542
	54	5270	15.210	13.910	17.619
	62	5310	11.370	9.950	13.728
	102	5510	11.040	10.150	13.628
	110	5550	13.900	13.180	16.565
	-	-	-	-	-
	151	5755	13.190	12.950	16.082
	159	5795	12.390	12.000	15.210

Mode	CH	Freq. [MHz]	Test Result [dBm]	
			ANT 1	ANT 2
802.11ac(VHT80) (Single Transmit)	42	5210	10.540	10.150
	58	5290	12.090	11.040
	106	5530	10.240	9.080
	155	5775	10.180	10.340

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	SUM
802.11ac(VHT80) (Multiple Transmit)	42	5210	10.410	10.110	13.273
	58	5290	12.010	10.790	14.453
	106	5530	10.150	9.010	12.628
	155	5775	10.110	10.060	13.095

Band-Crossing Channels (U-NII 2C)

Mode	CH	Freq. [MHz]	Reading value [dBm]		DCF [dB]	Test Result [dBm]	
			ANT 1	ANT 2		ANT 1	ANT 2
802.11a (Single Transmit)	144	5720	12.460	12.410	0.630	13.090	13.040
802.11n(HT20) (Single Transmit)	144	5720	11.590	12.260	0.670	12.260	12.930
802.11n(HT40) (Single Transmit)	142	5710	13.030	13.240	1.120	14.150	14.360
802.11ac(VHT20) (Single Transmit)	144	5720	12.260	12.600	0.630	12.890	13.230
802.11ac(VHT40) (Single Transmit)	142	5710	13.730	12.700	1.120	14.850	13.820
802.11ac(VHT80) (Single Transmit)	138	5690	13.800	12.220	2.140	15.940	14.360

Mode	CH	Freq. [MHz]	Reading value [dBm]			DCF [dB]	Test Result [dBm]
			ANT 1	ANT 2	SUM		
802.11a (Multiple Transmit)	144	5720	11.800	12.080	14.953	0.630	15.583
802.11n(HT20) (Multiple Transmit)	144	5720	11.720	11.720	14.730	1.100	15.830
802.11n(HT40) (Multiple Transmit)	142	5710	12.190	12.030	15.121	1.920	17.041
802.11ac(VHT20) (Multiple Transmit)	144	5720	12.000	11.920	14.970	1.140	16.110
802.11ac(VHT40) (Multiple Transmit)	142	5710	11.790	12.500	15.170	2.000	17.170
802.11ac(VHT80) (Multiple Transmit)	138	5690	12.460	10.700	14.679	3.240	17.919

Note: Please refer to Appendix II for the duty correction factor

Band-Crossing Channels (U-NII 3)

Mode	CH	Freq. [MHz]	Reading value [dBm]		DCF [dB]	Test Result [dBm]	
			ANT 1	ANT 2		ANT 1	ANT 2
802.11a (Single Transmit)	144	5720	5.430	5.490	0.630	6.060	6.120
802.11n(HT20) (Single Transmit)	144	5720	5.080	5.920	0.670	5.750	6.590
802.11n(HT40) (Single Transmit)	142	5710	1.880	1.990	1.120	3.000	3.110
802.11ac(VHT20) (Single Transmit)	144	5720	6.010	6.090	0.630	6.640	6.720
802.11ac(VHT40) (Single Transmit)	142	5710	2.660	1.810	1.120	3.780	2.930
802.11ac(VHT80) (Single Transmit)	138	5690	-1.130	-2.410	2.140	1.010	-0.270

Mode	CH	Freq. [MHz]	Reading value [dBm]			DCF [dB]	Test Result [dBm]
			ANT 1	ANT 2	SUM		
802.11a (Multiple Transmit)	144	5720	4.850	5.040	7.956	0.630	8.586
802.11n(HT20) (Multiple Transmit)	144	5720	4.720	4.990	7.867	1.100	8.967
802.11n(HT40) (Multiple Transmit)	142	5710	1.190	0.480	3.860	1.920	5.780
802.11ac(VHT20) (Multiple Transmit)	144	5720	5.460	5.700	8.592	1.140	9.732
802.11ac(VHT40) (Multiple Transmit)	142	5710	0.960	1.500	4.249	2.000	6.249
802.11ac(VHT80) (Multiple Transmit)	138	5690	-3.470	-4.780	-1.065	3.240	2.175

Note1: See next pages for actual measured spectrum plots.

Note2: Please refer to Appendix II for the duty correction factor