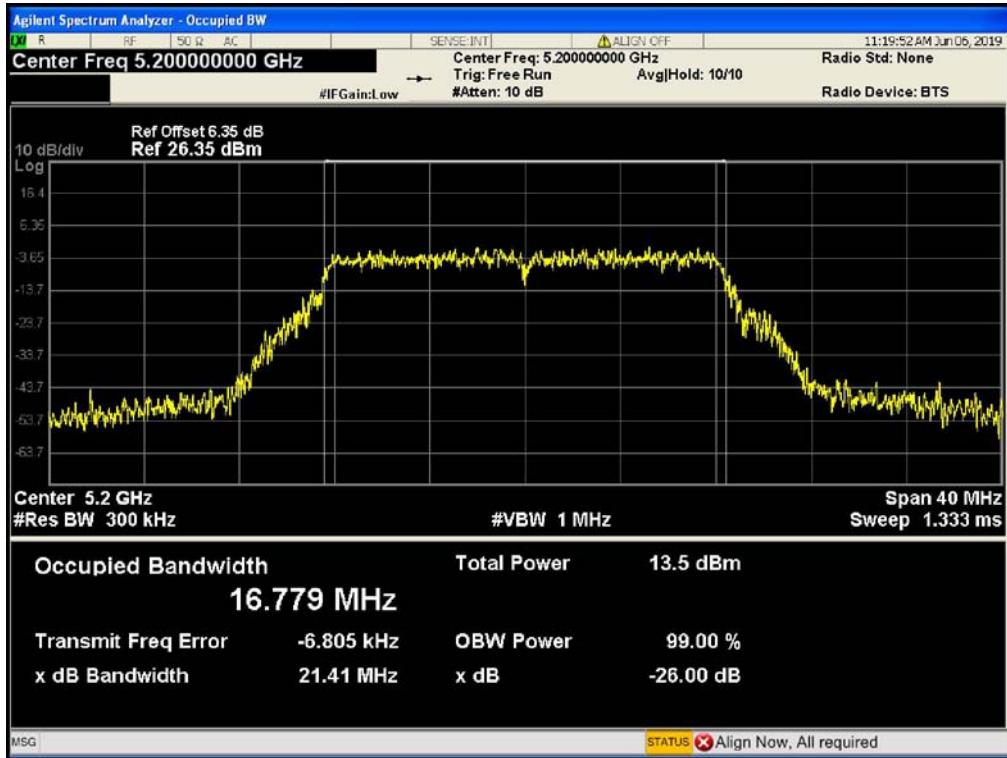


Attachment D-- Bandwidth Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	21.20	17.868
40	5200	21.41	16.779
48	5240	21.10	16.762
802.11a Mode			
5180 MHz			
Occupied Bandwidth		Total Power	13.2 dBm
17.868 MHz			
Transmit Freq Error	-21.651 kHz	OBW Power	99.00 %
x dB Bandwidth	21.20 MHz	x dB	-26.00 dB

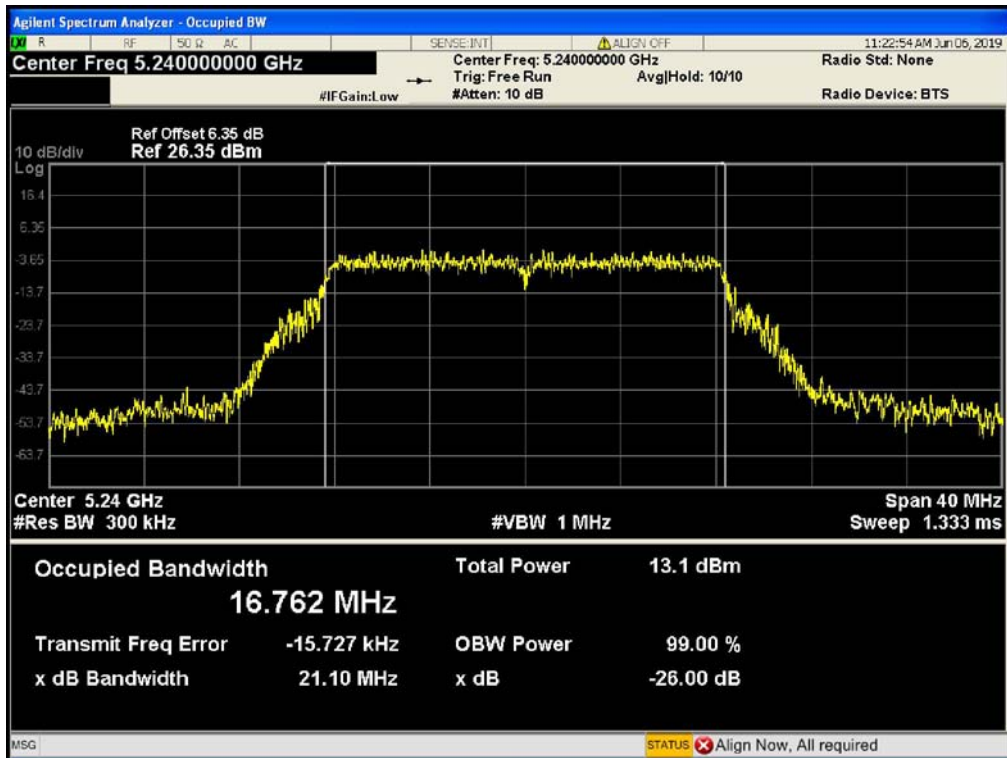
802.11a Mode

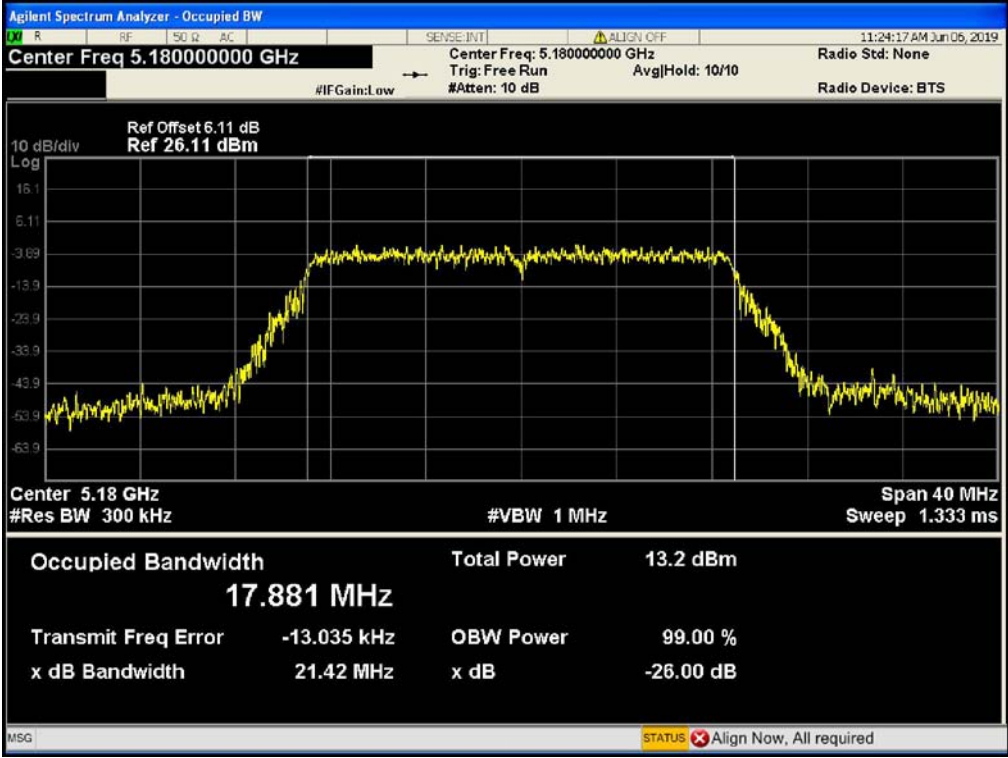
5200 MHz



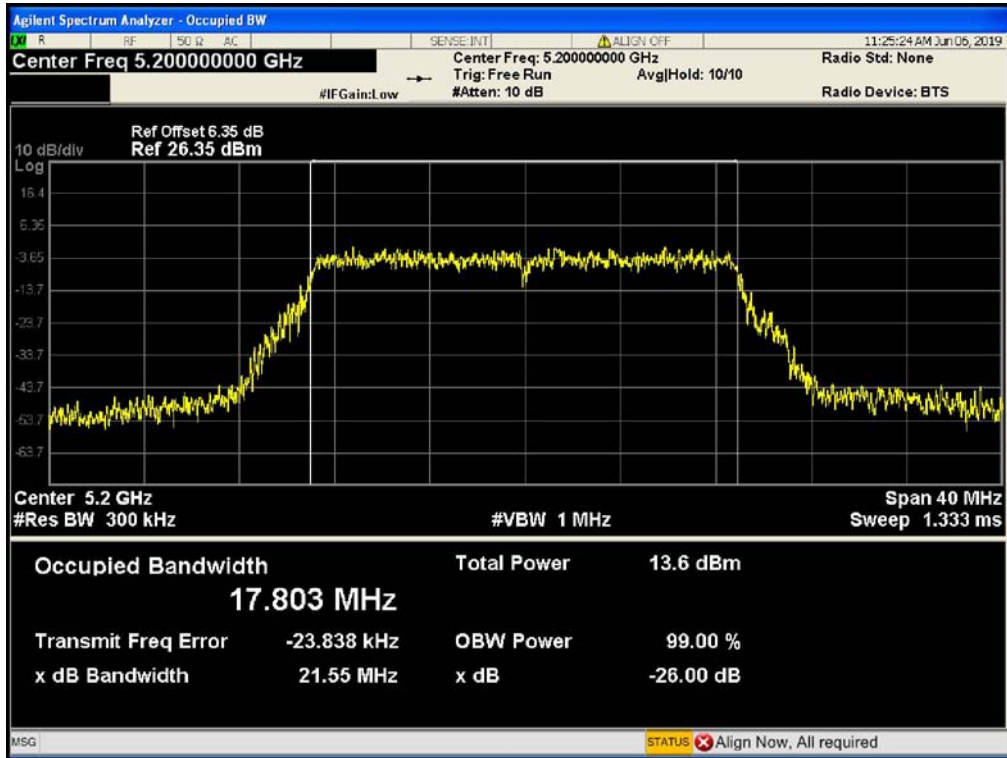
802.11a Mode

5240 MHz

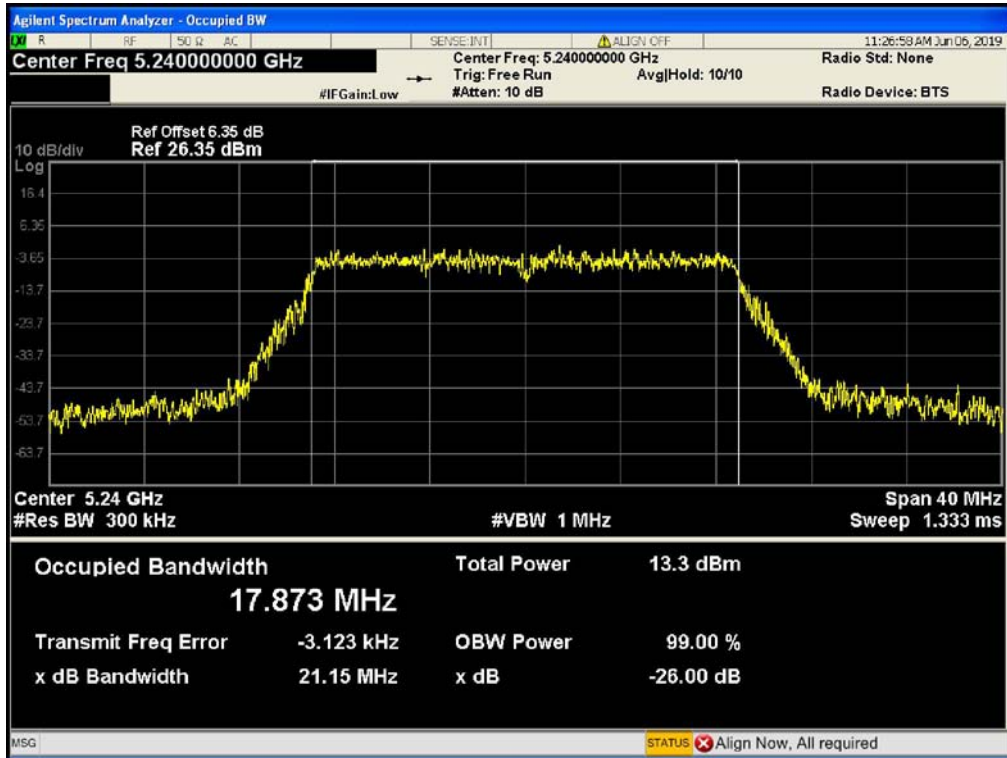


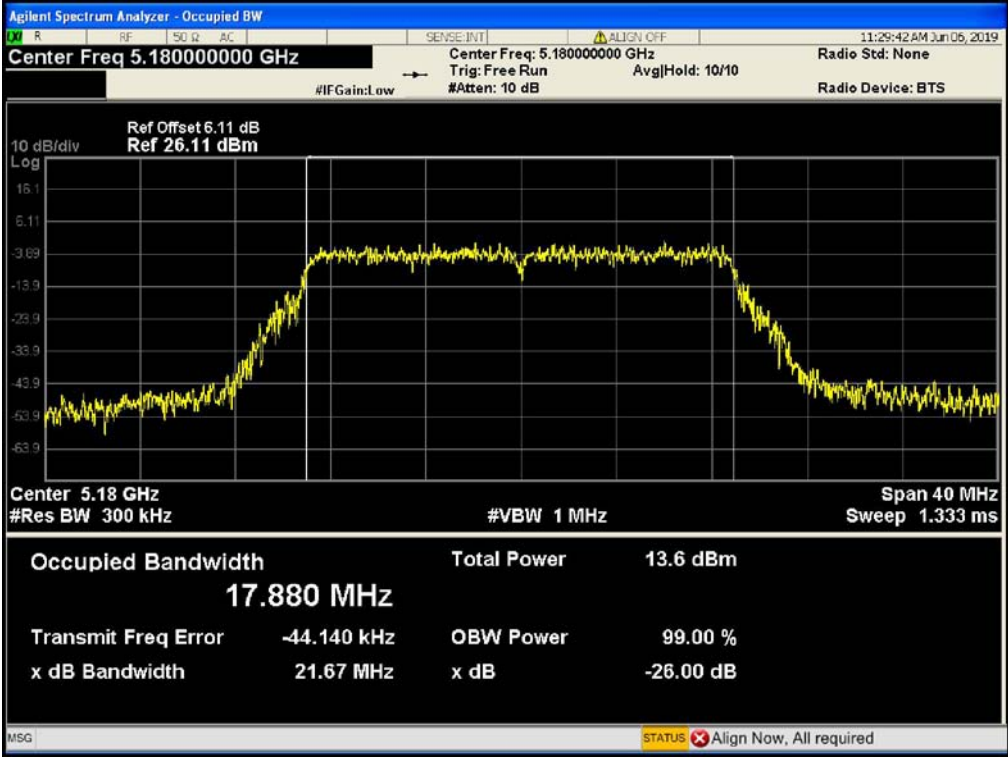
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	21.42	17.881
40	5200	21.55	17.803
48	5240	21.15	17.873
802.11n(HT20) Mode			
5180 MHz			
			

802.11n(HT20) Mode
5200 MHz



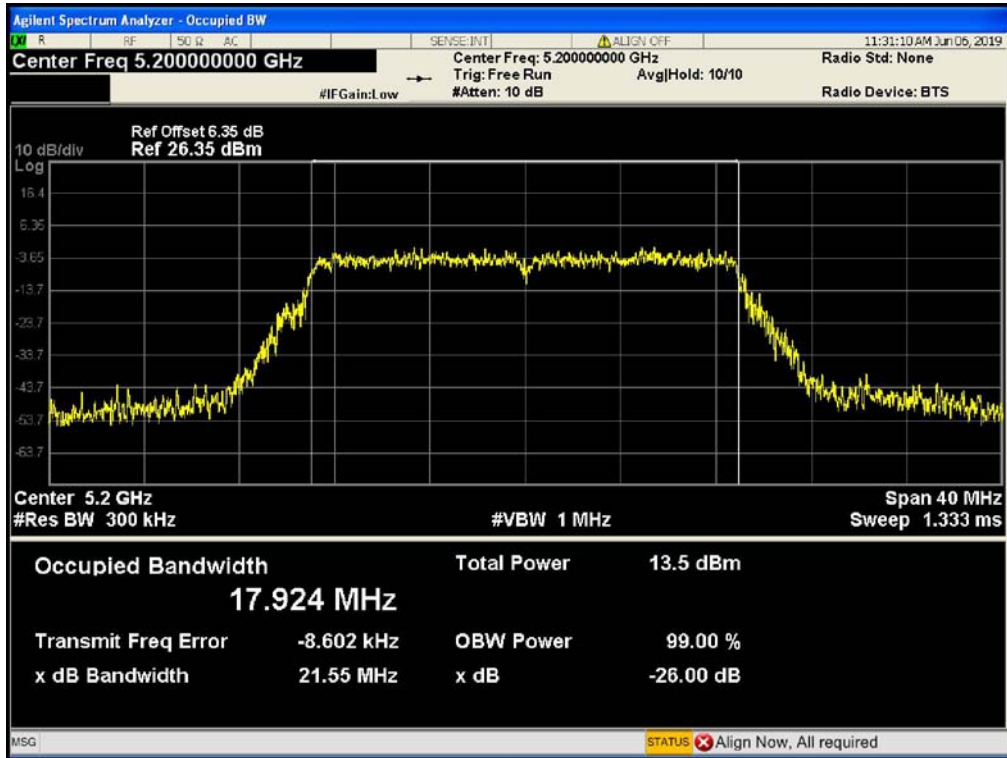
802.11n(HT20) Mode
5240 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(20) Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	21.67	17.880
40	5200	21.55	17.924
48	5240	21.52	17.820
802.11ac(20) Mode			
5180 MHz			
			

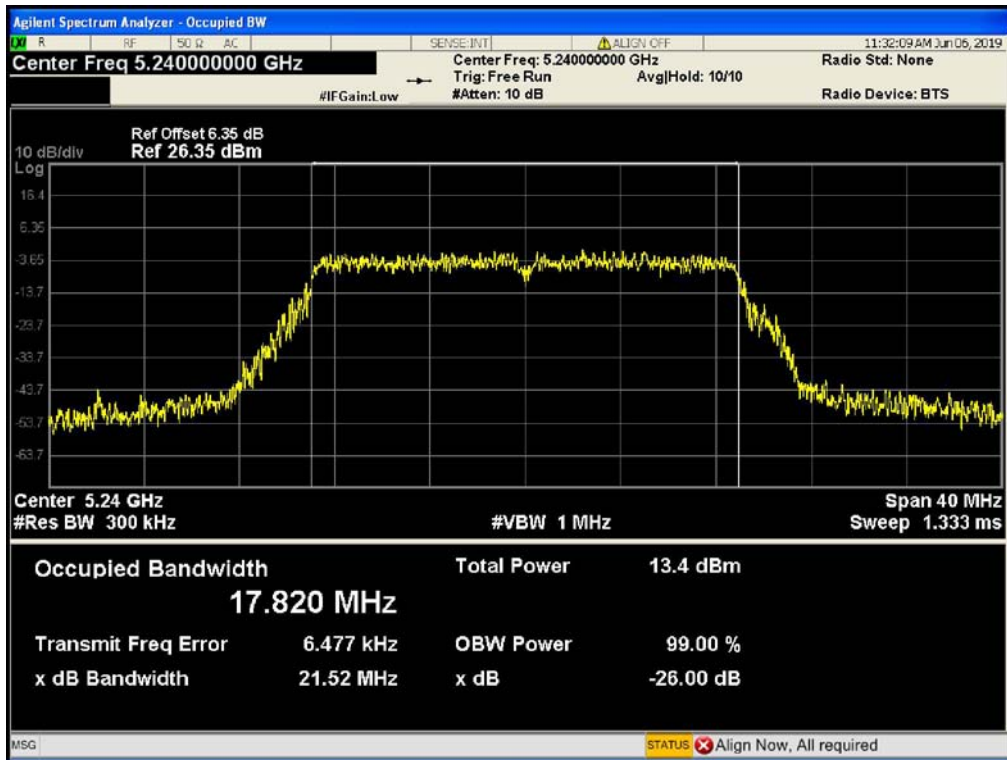
802.11ac(20) Mode

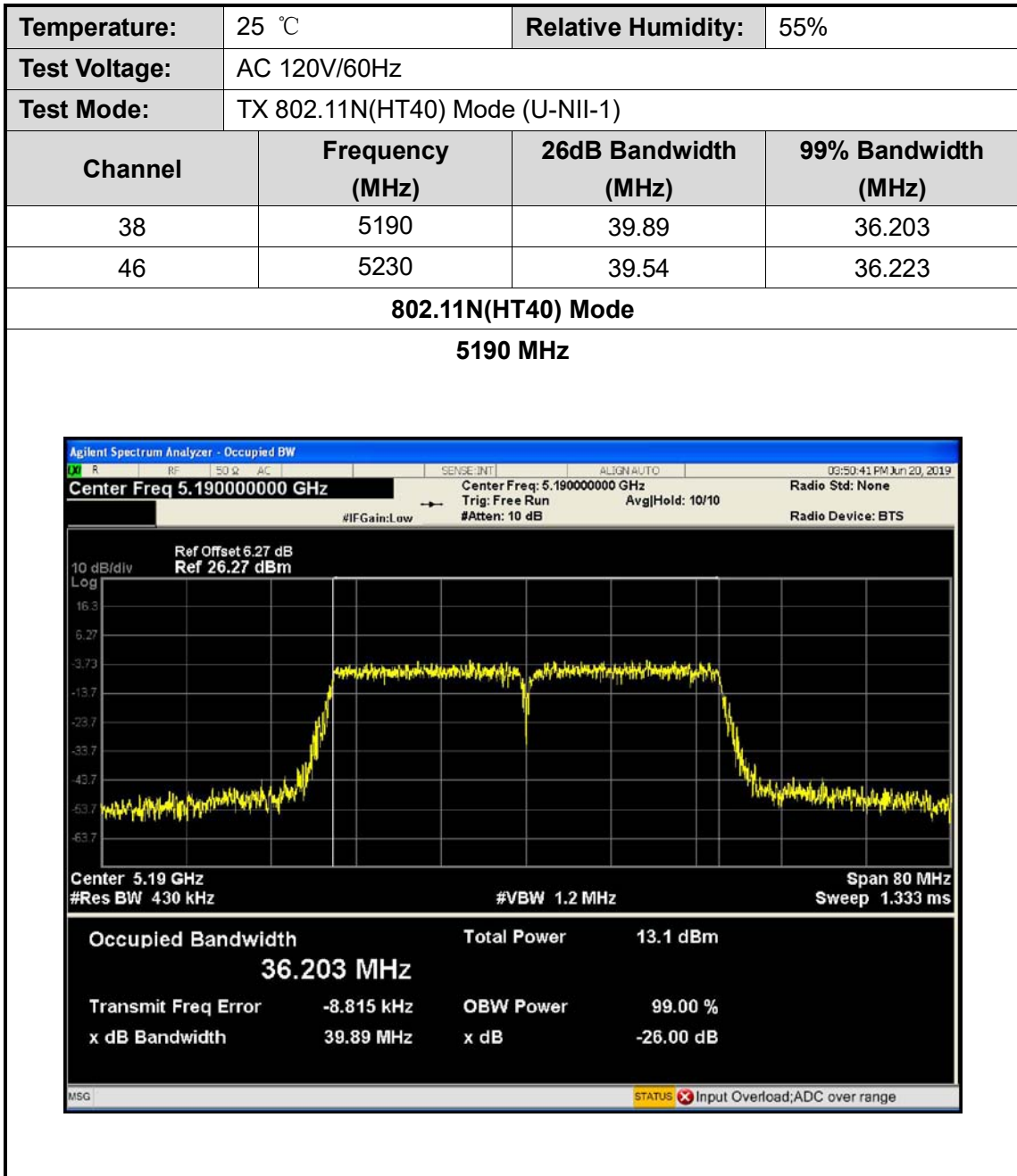
5200 MHz



802.11ac(20) Mode

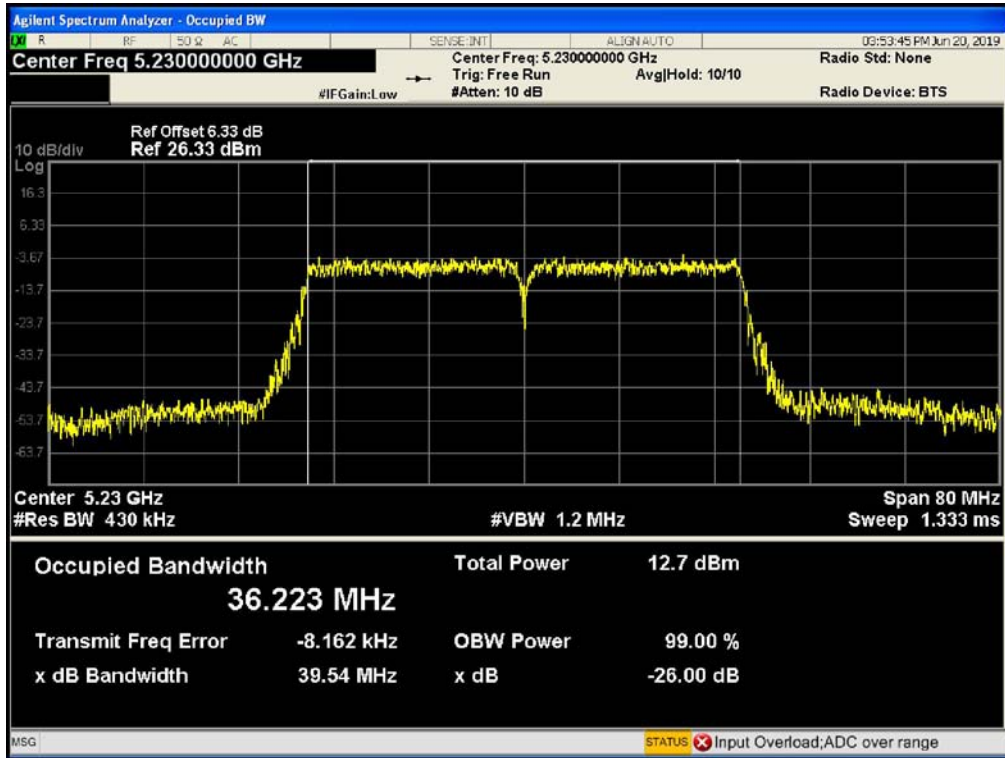
5240 MHz





802.11N(HT40) Mode

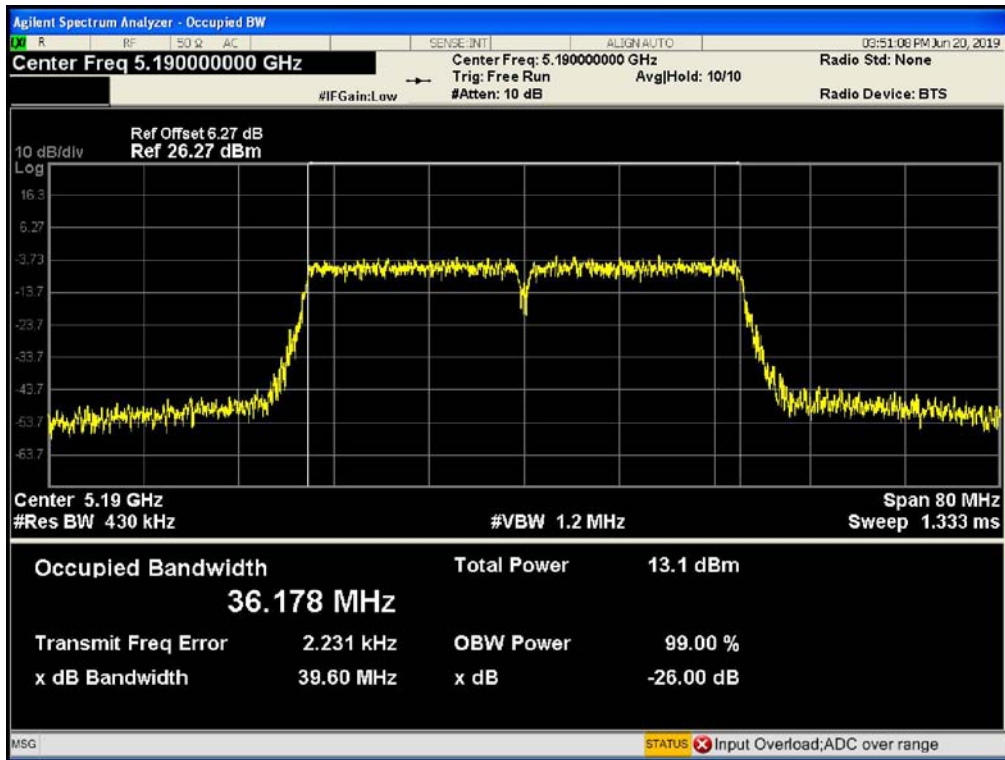
5230 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(40) Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38	5190	39.60	36.178
46	5230	39.07	36.223

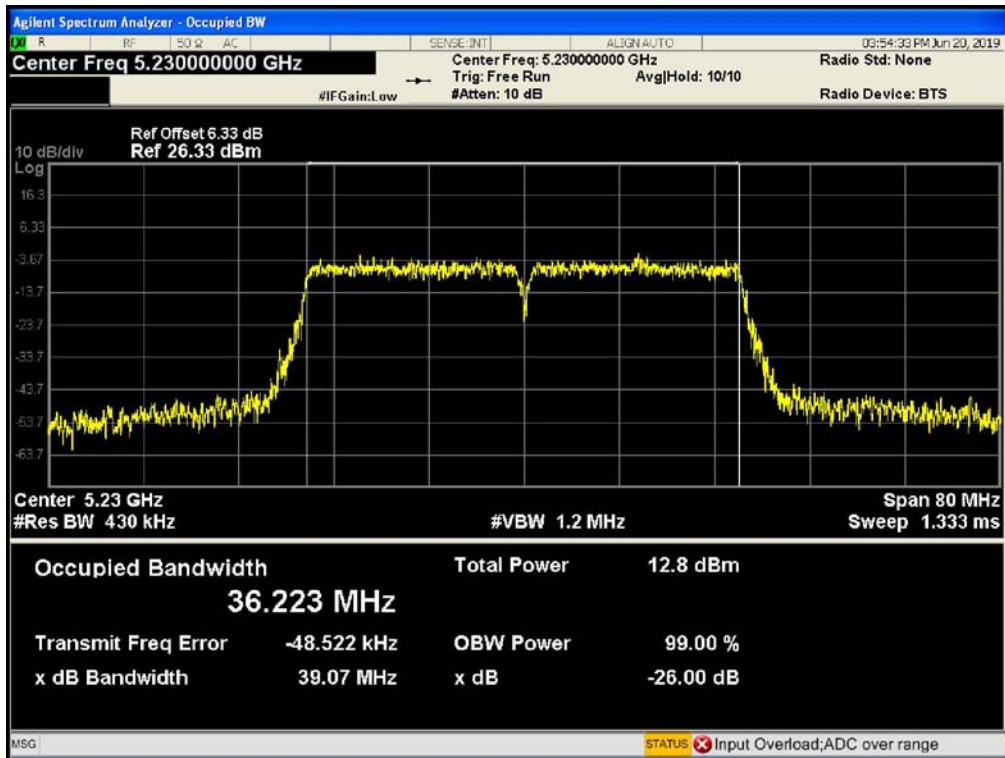
802.11ac(40) Mode

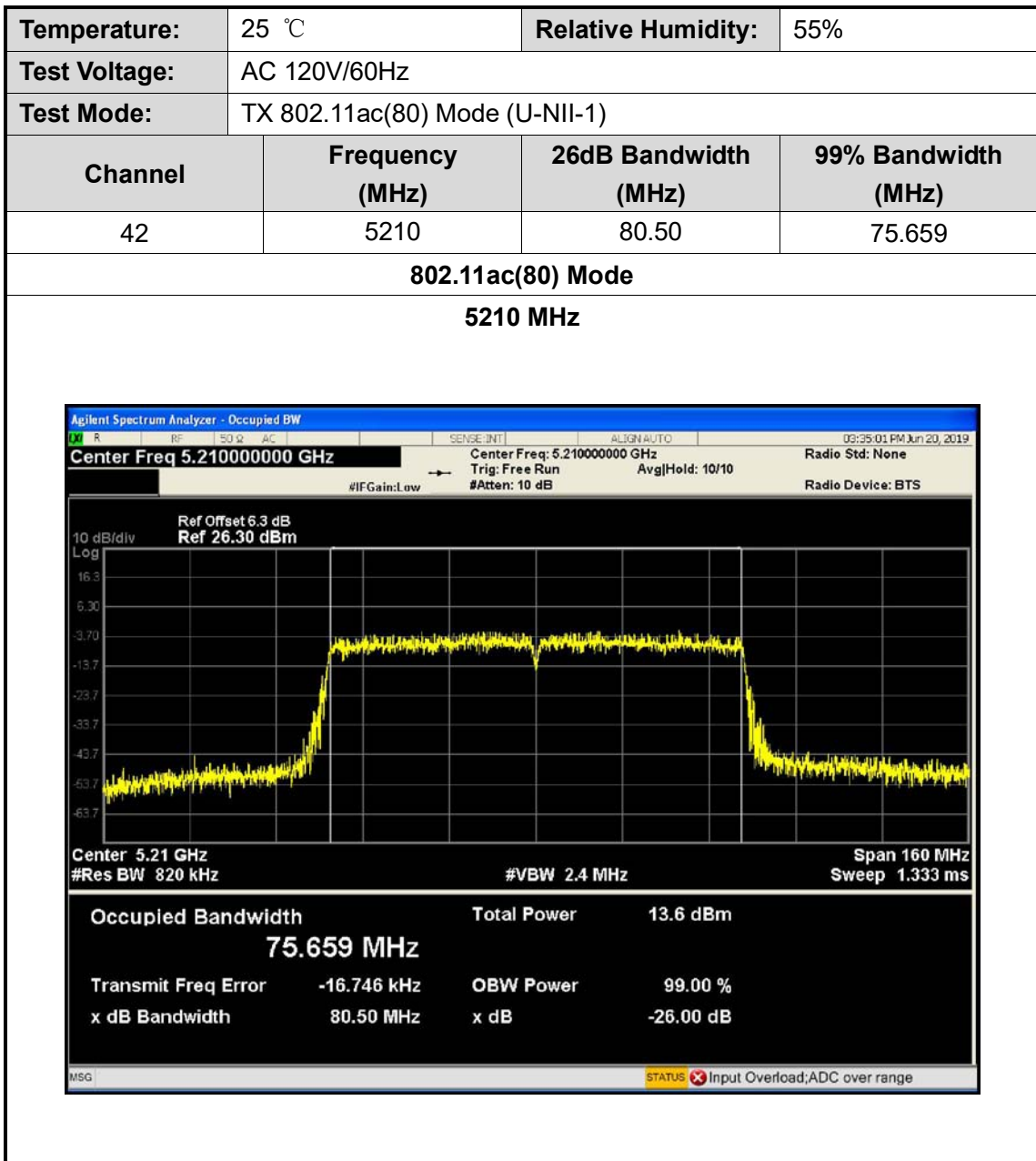
5190 MHz



802.11ac(40) Mode

5230 MHz

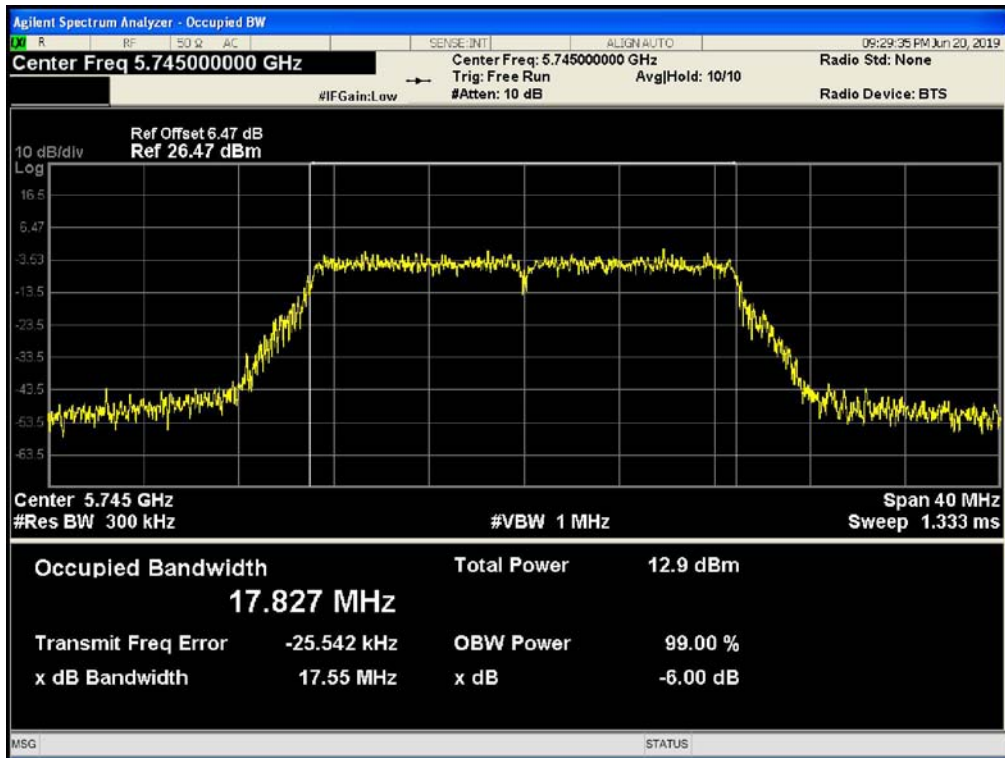




Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.55	17.827
157	5785	17.59	17.833
165	5825	17.64	17.835
Limit(MHz):		>0.5MHz	/

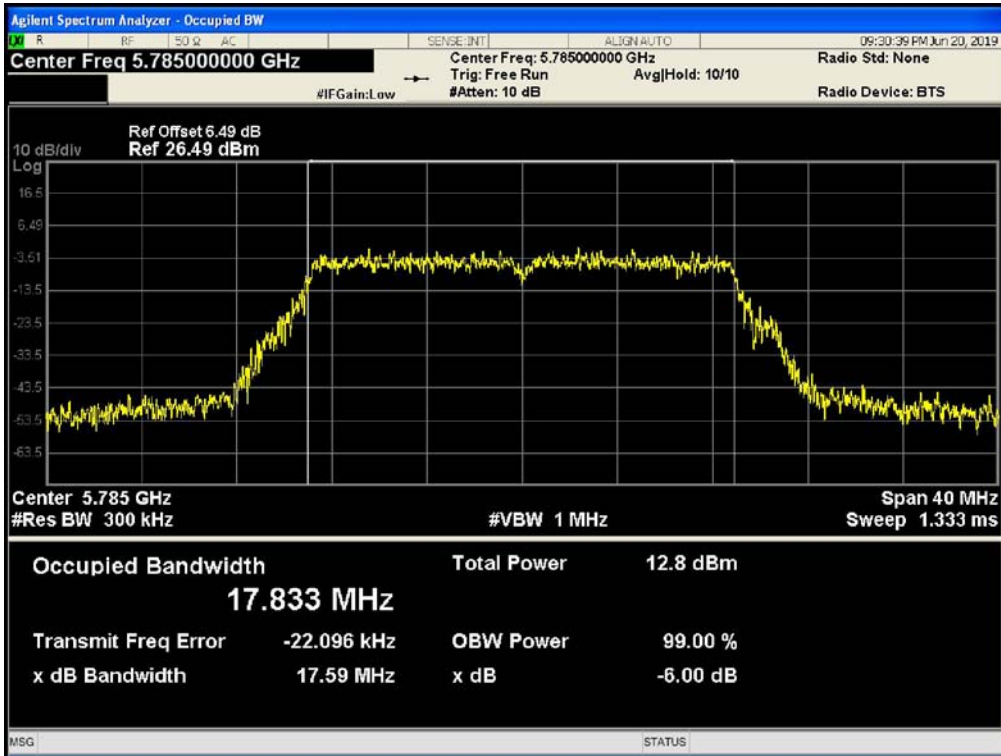
802.11a Mode

5745 MHz



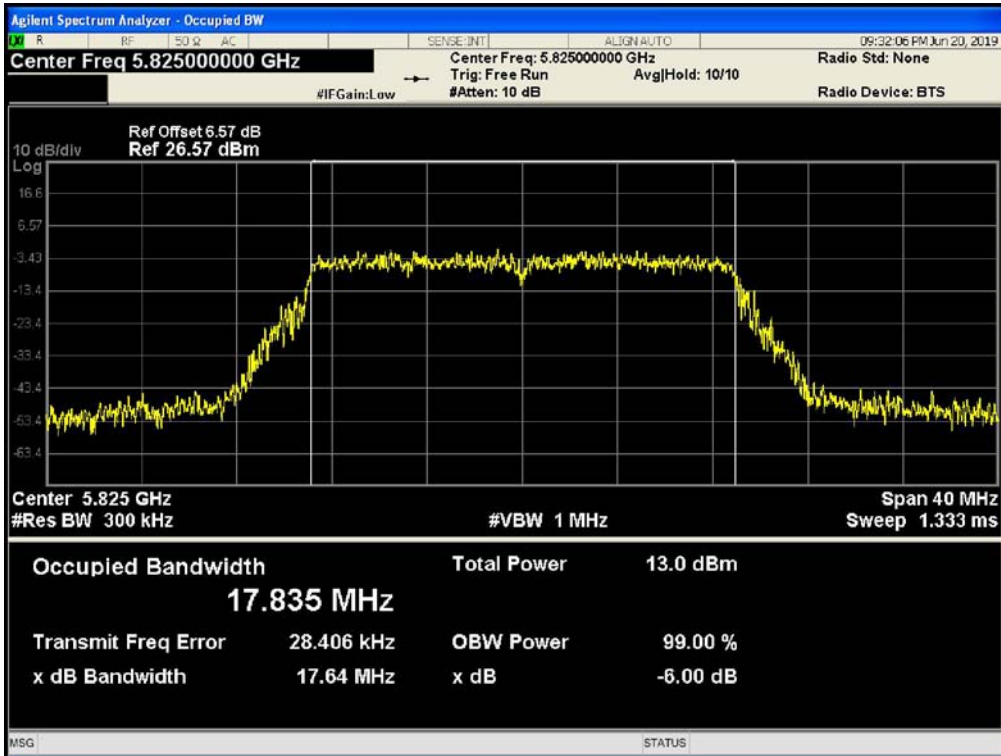
802.11a Mode

5785 MHz



802.11a Mode

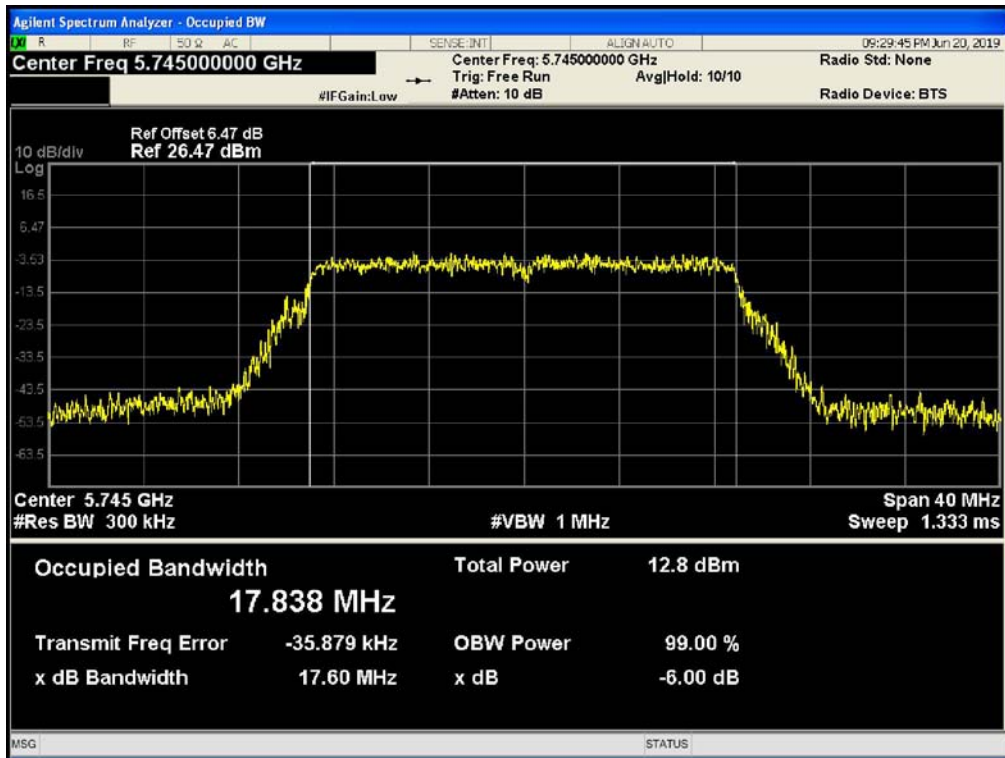
5825 MHz



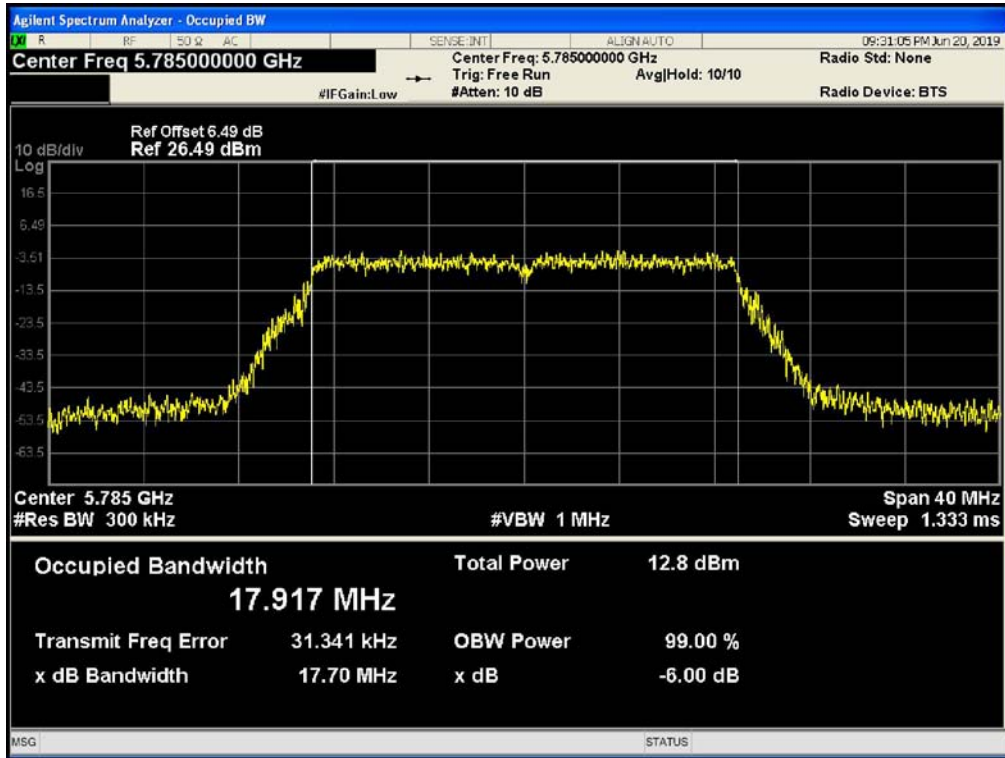
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.60	17.838
157	5785	17.70	17.917
165	5825	17.53	17.884
Limit(MHz):		>0.5MHz	/

802.11n(HT20) Mode

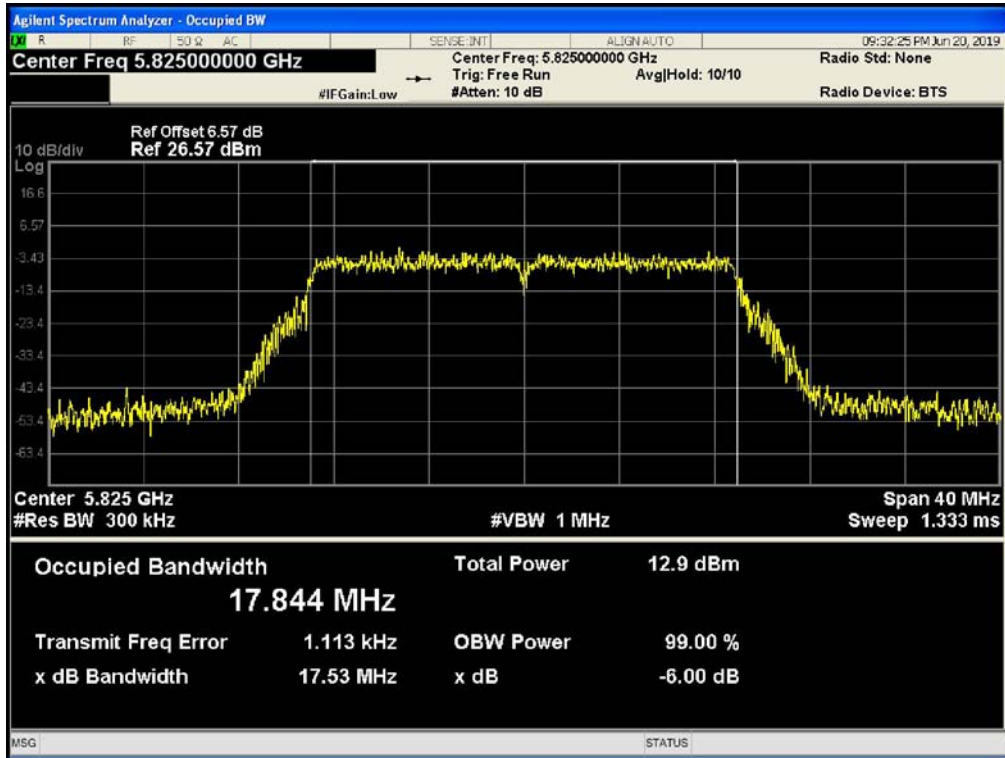
5745 MHz



802.11n(HT20) Mode
5785 MHz



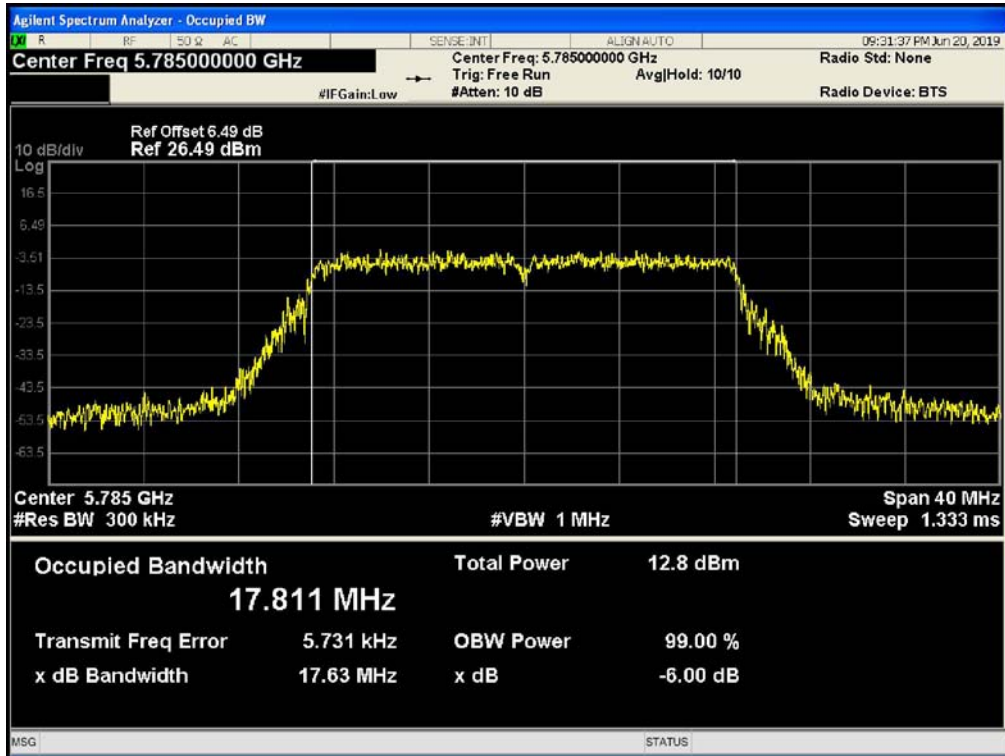
802.11n(HT20) Mode
5825 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.56	17.789
157	5785	17.63	17.811
165	5825	17.58	17.779
Limit(MHz):		>0.5MHz	/
802.11ac(20) Mode			
5745 MHz			

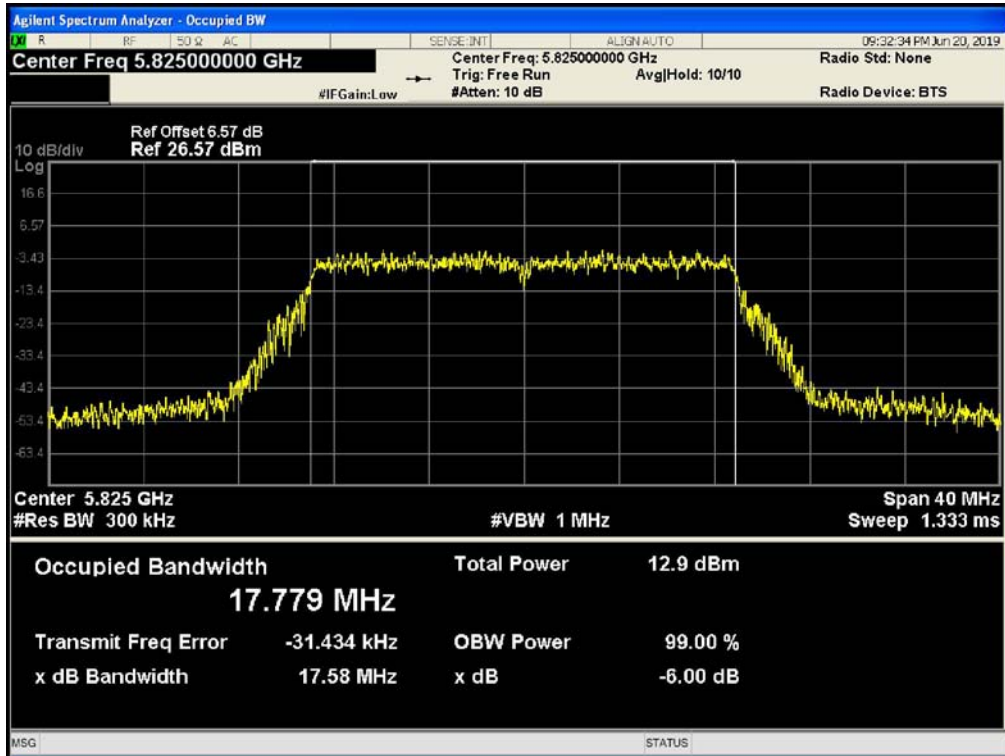
802.11ac(20) Mode

5785 MHz



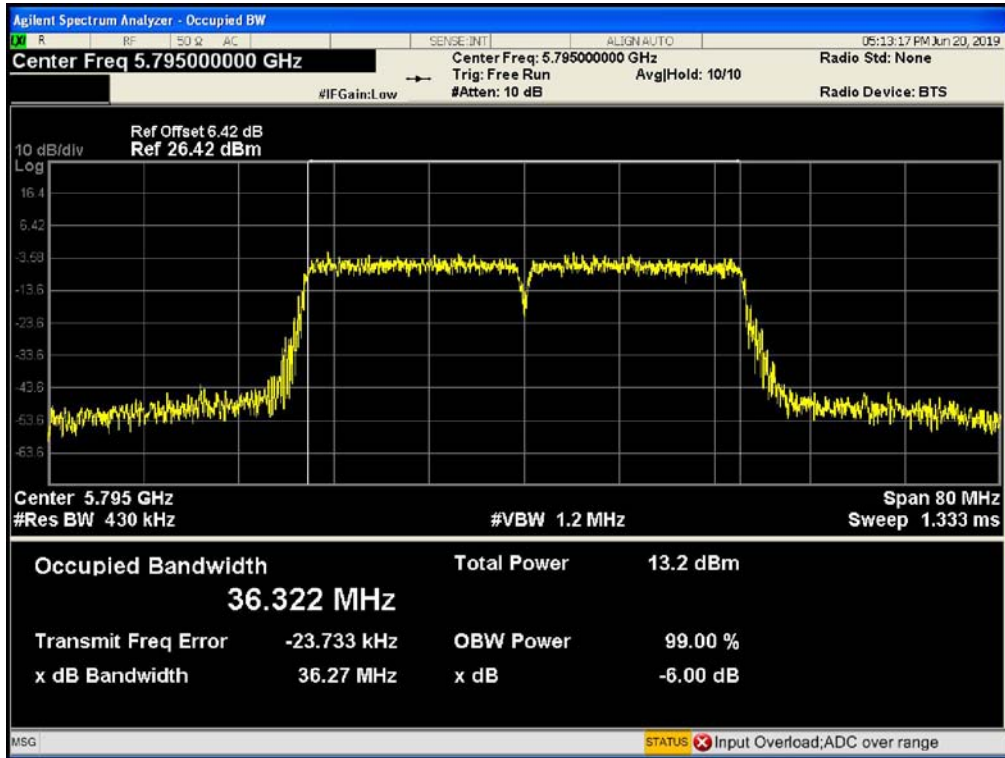
802.11ac(20) Mode

5825 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(40) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.40	36.315
159	5795	36.27	36.322
Limit(MHz):		>0.5MHz	/
802.11n(HT40) Mode			
5755 MHz			
<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.755000000 GHz</p> <p>Center Freq: 5.755000000 GHz</p> <p>Trig: Free Run</p> <p>#Atten: 10 dB</p> <p>Ref Offset 6.67 dB</p> <p>Ref 26.67 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 5.755 GHz</p> <p>#Res BW 430 kHz</p> <p>#VBW 1.2 MHz</p> <p>Span 80 MHz</p> <p>Sweep 1.333 ms</p> <p>Occupied Bandwidth 36.315 MHz</p> <p>Total Power 13.7 dBm</p> <p>Transmit Freq Error -52.301 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 36.40 MHz</p> <p>x dB -6.00 dB</p> <p>STATUS <input checked="" type="checkbox"/> Input Overload;ADC over range</p>			

802.11n(HT40) Mode
5795 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(40) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.25	36.222
159	5795	36.33	36.210
Limit(MHz):		>0.5MHz	/
802.11ac(40) Mode			
5755 MHz			
Occupied Bandwidth		Total Power	13.6 dBm
36.222 MHz			
Transmit Freq Error	-18.690 kHz	OBW Power	99.00 %
x dB Bandwidth	36.25 MHz	x dB	-6.00 dB
MSG		STATUS Input Overload;ADC over range	

