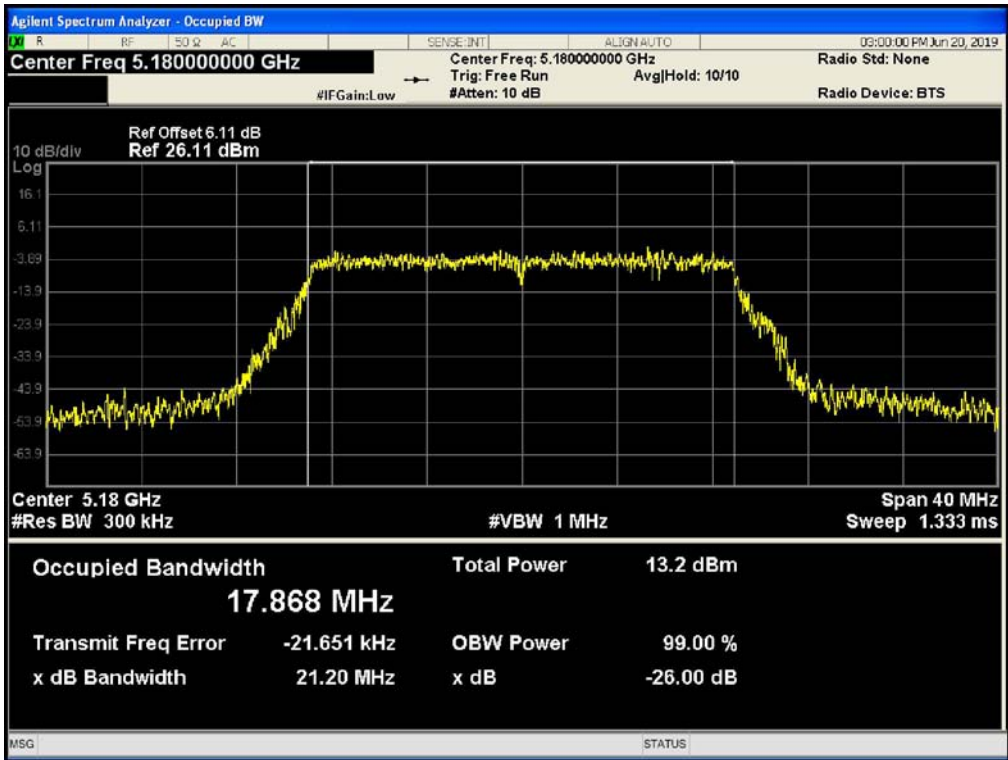
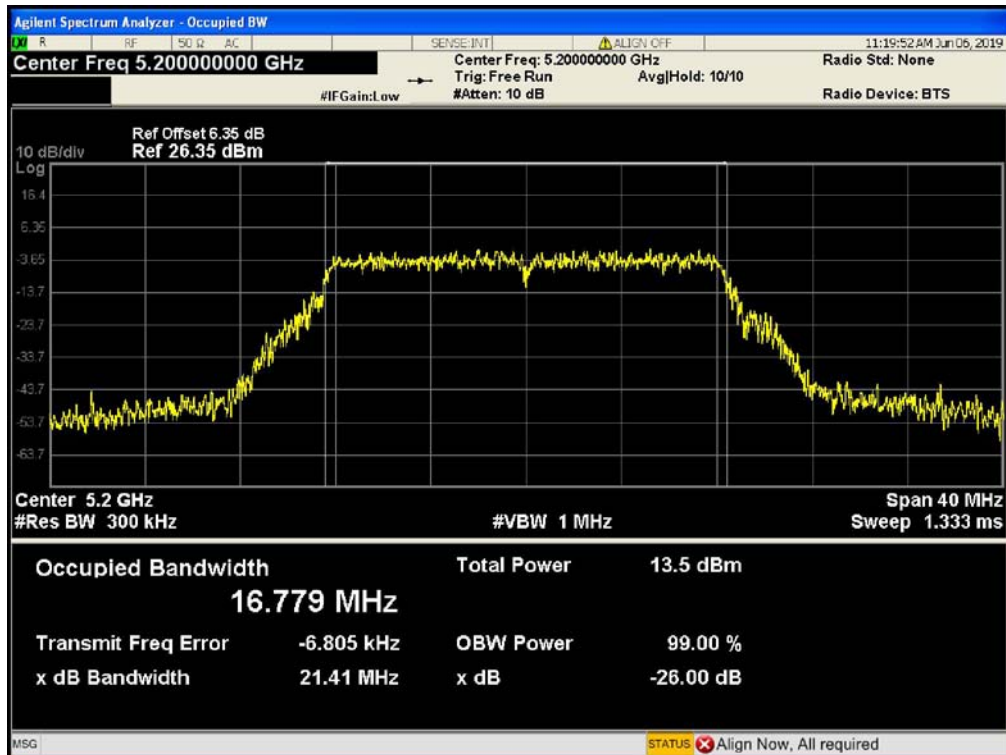


Attachment D-- Bandwidth Test Data

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			
 <p>The screenshot displays an Agilent Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.18 GHz. The y-axis is labeled '10 dB/div' and 'Log'. The x-axis is labeled 'Center 5.18 GHz' and 'Span 40 MHz'. The signal is identified as 'Occupied Bandwidth 17.868 MHz'. Other parameters shown include 'Total Power 13.2 dBm', 'Transmit Freq Error -21.651 kHz', and 'x dB Bandwidth 21.20 MHz'. The interface also shows various settings like 'Center Freq: 5.180000000 GHz', 'Ref Offset: 5.11 dB', 'Ref: 26.11 dBm', and 'Radio Device: BTS'.</p>			

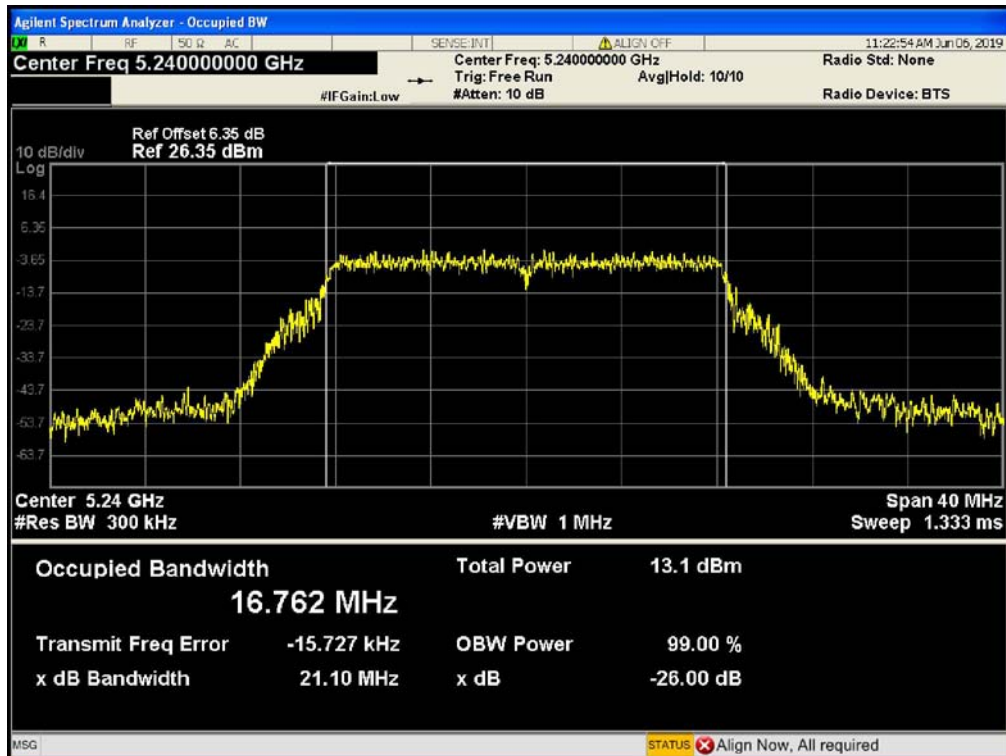
802.11a Mode

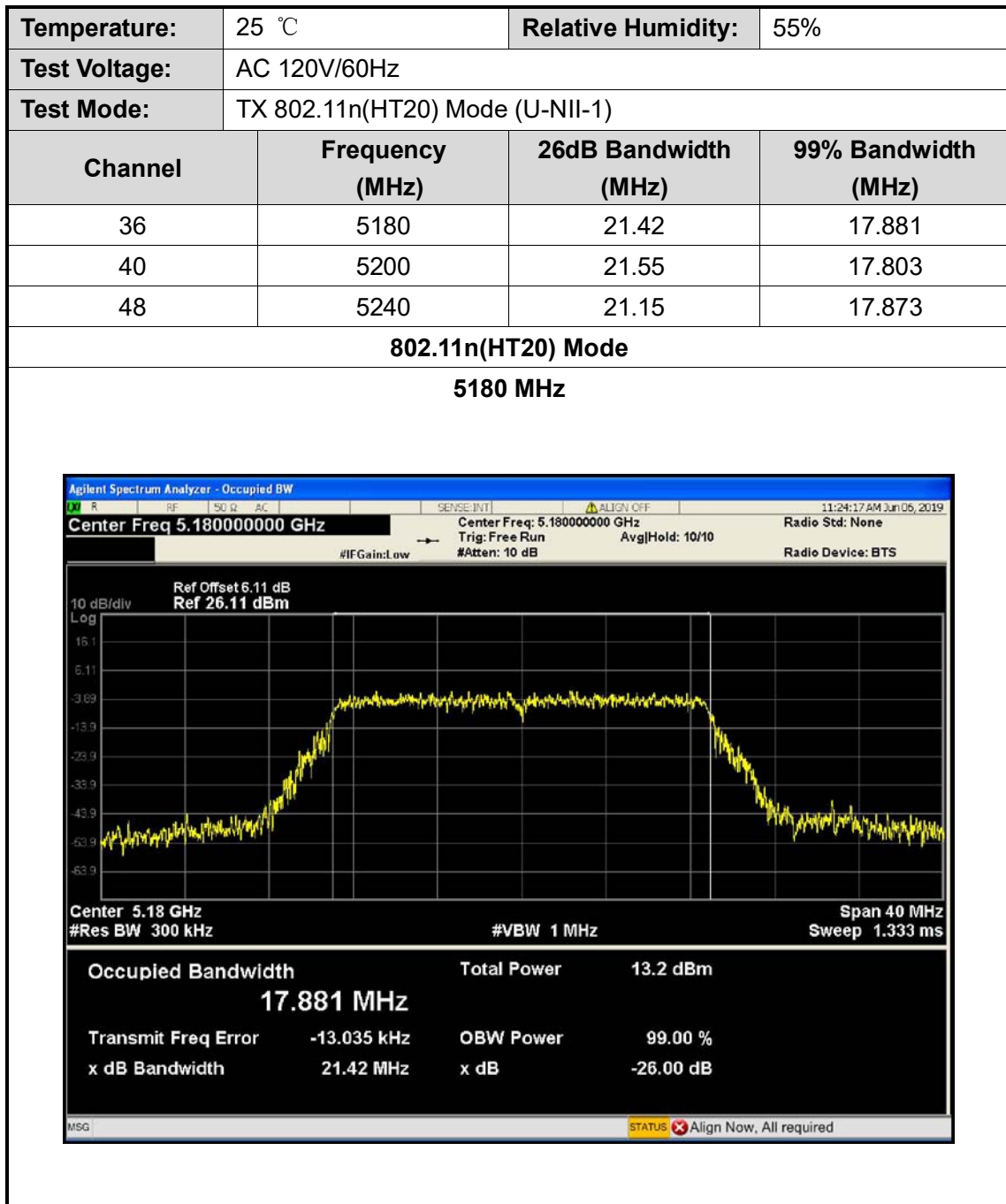
5200 MHz



802.11a Mode

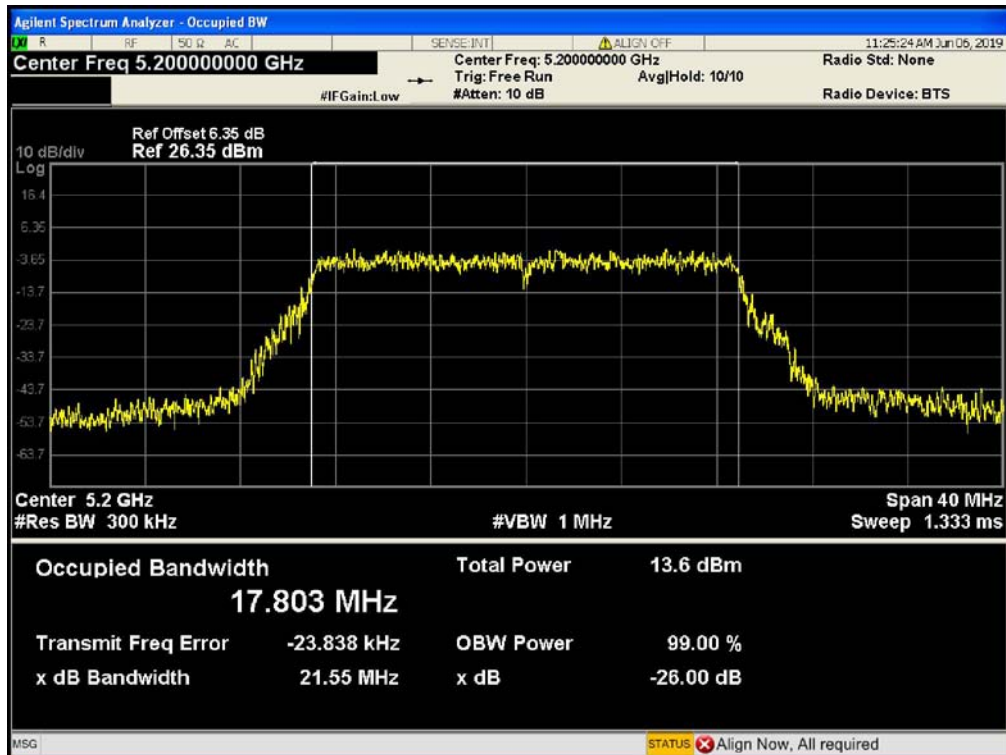
5240 MHz





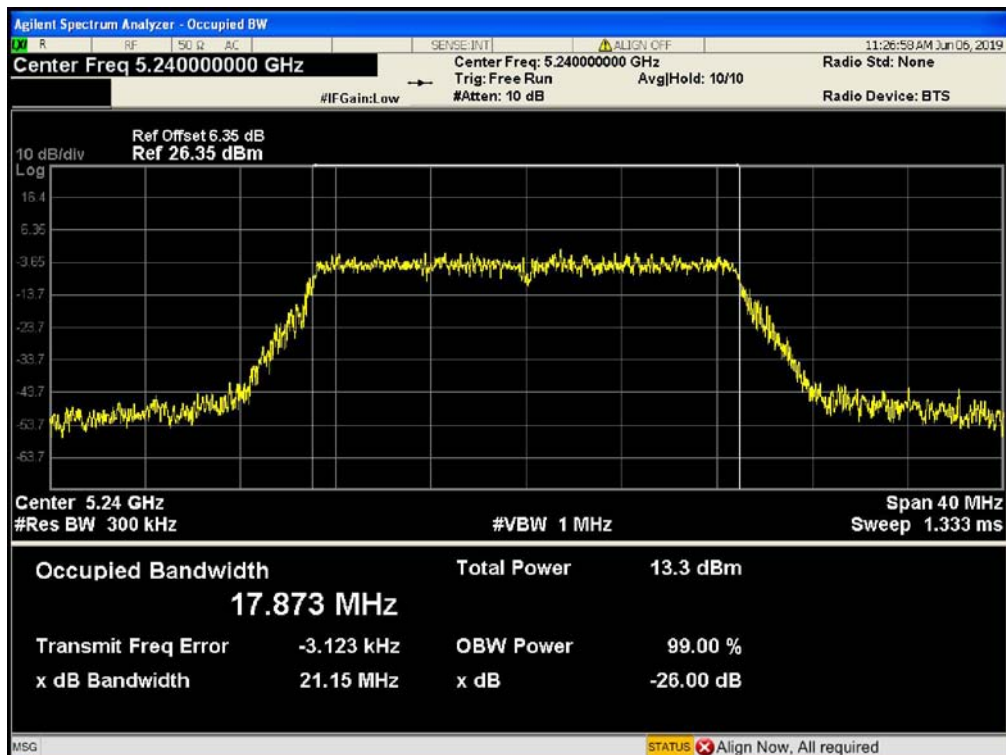
802.11n(HT20) Mode

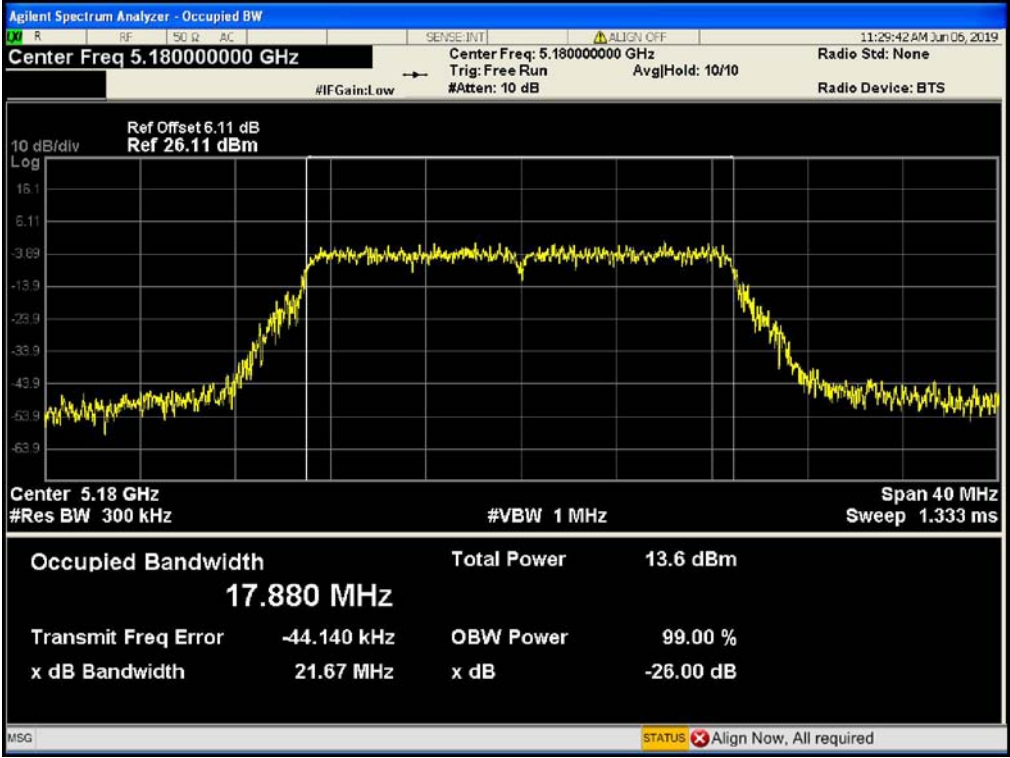
5200 MHz



802.11n(HT20) Mode

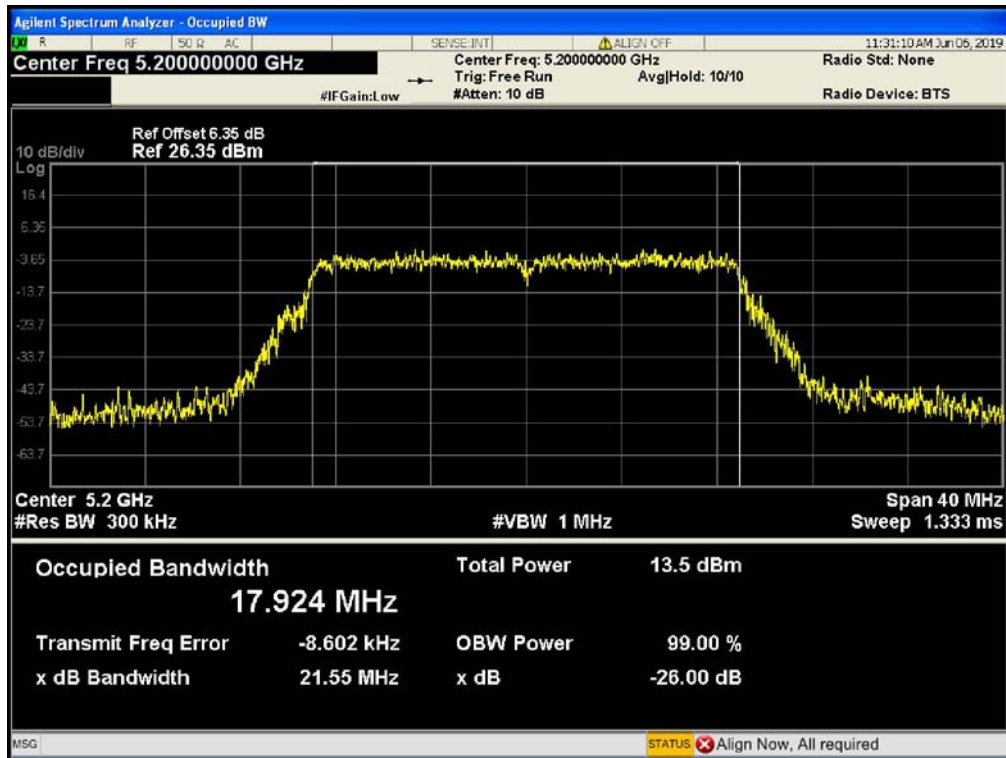
5240 MHz



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			
 <p>The screenshot shows an Agilent Spectrum Analyzer interface. The title bar reads 'Agilent Spectrum Analyzer - Occupied BW'. The main display shows a signal at a center frequency of 5.18000000 GHz. The signal is a rectangular pulse with a flat top. The y-axis is labeled '10 dB/div Log' and ranges from -63.9 to 15.1 dBm. The x-axis is labeled 'Span 40 MHz' and ranges from -40 MHz to 40 MHz. The signal's occupied bandwidth is 17.880 MHz. The total power is 13.6 dBm. The transmit frequency error is -44.140 kHz. The x dB bandwidth is 21.67 MHz. The OBW power is 99.00 %. The x dB is -26.00 dB. The status bar at the bottom shows 'STATUS' and 'Align Now, All required'.</p>			

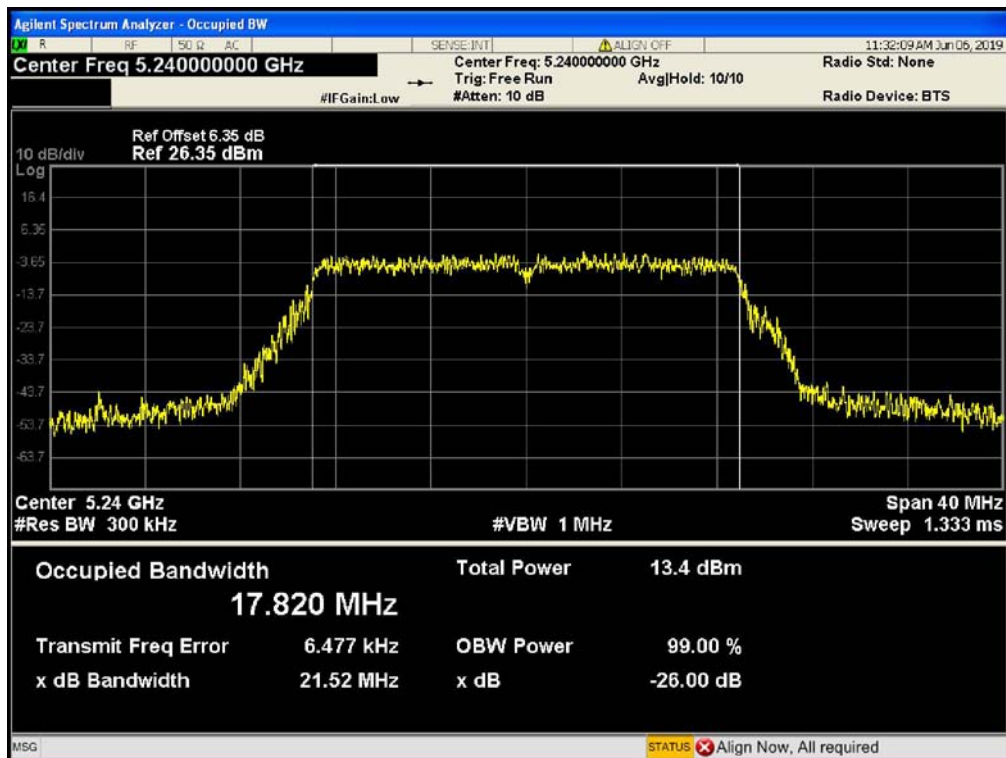
802.11ac(20) Mode

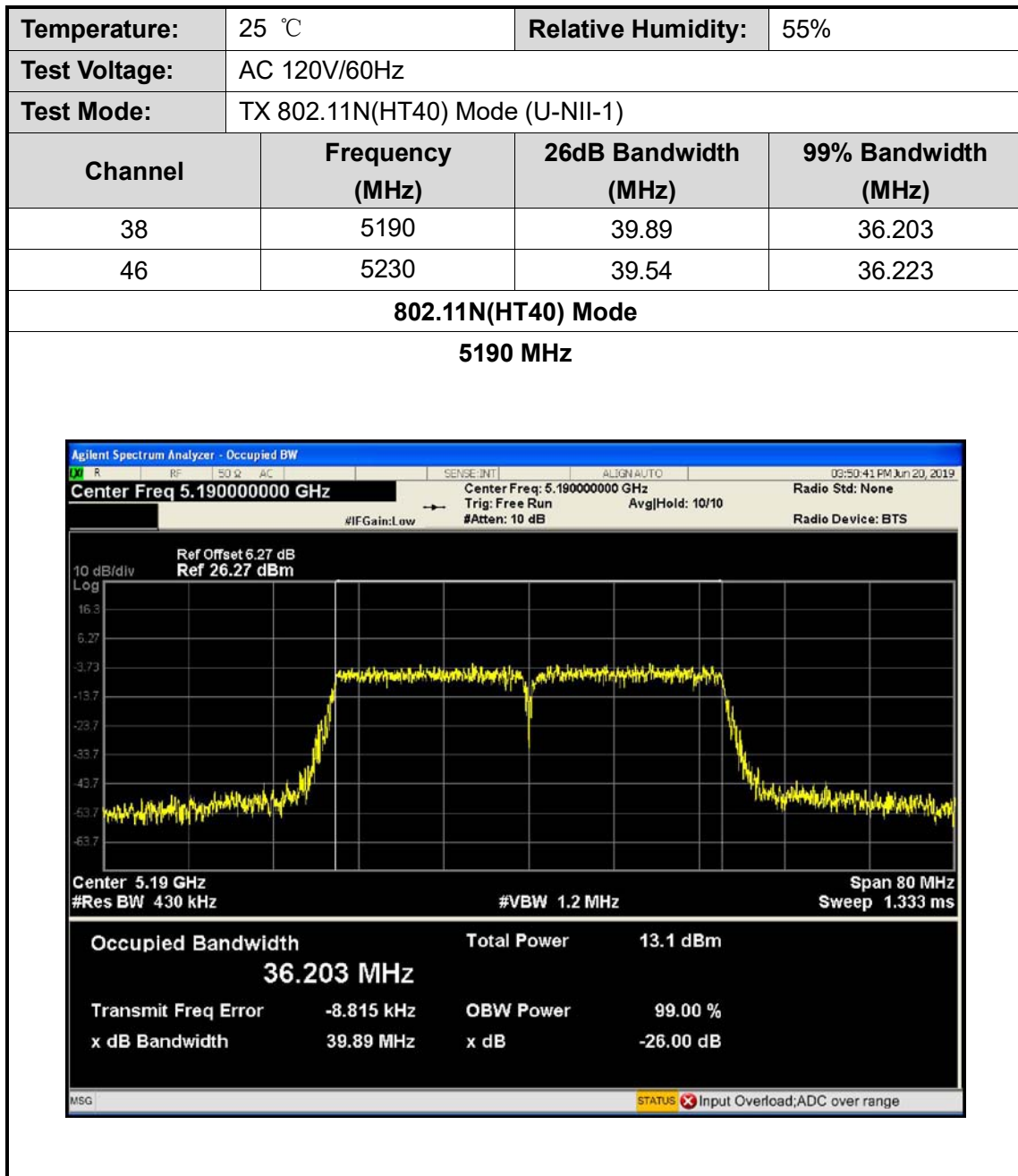
5200 MHz

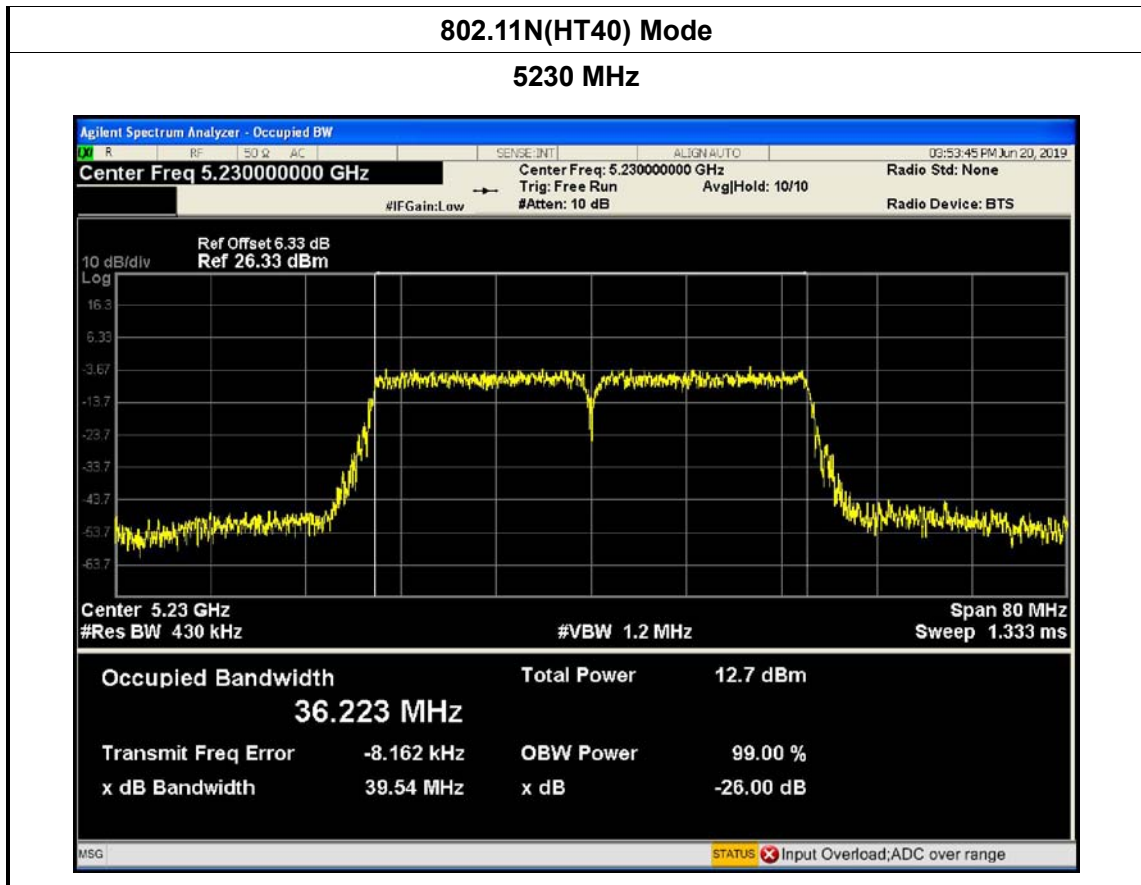


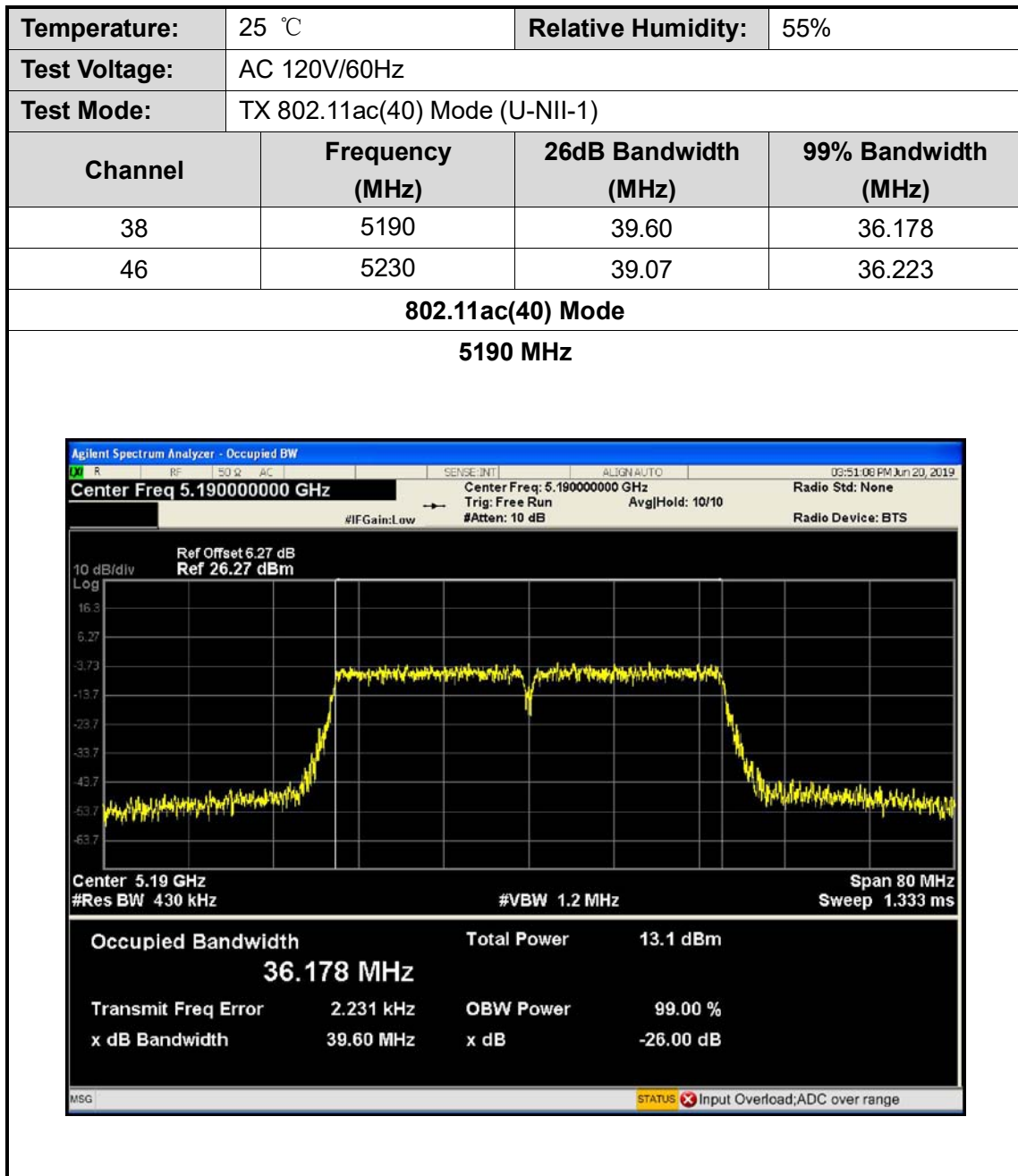
802.11ac(20) Mode

5240 MHz



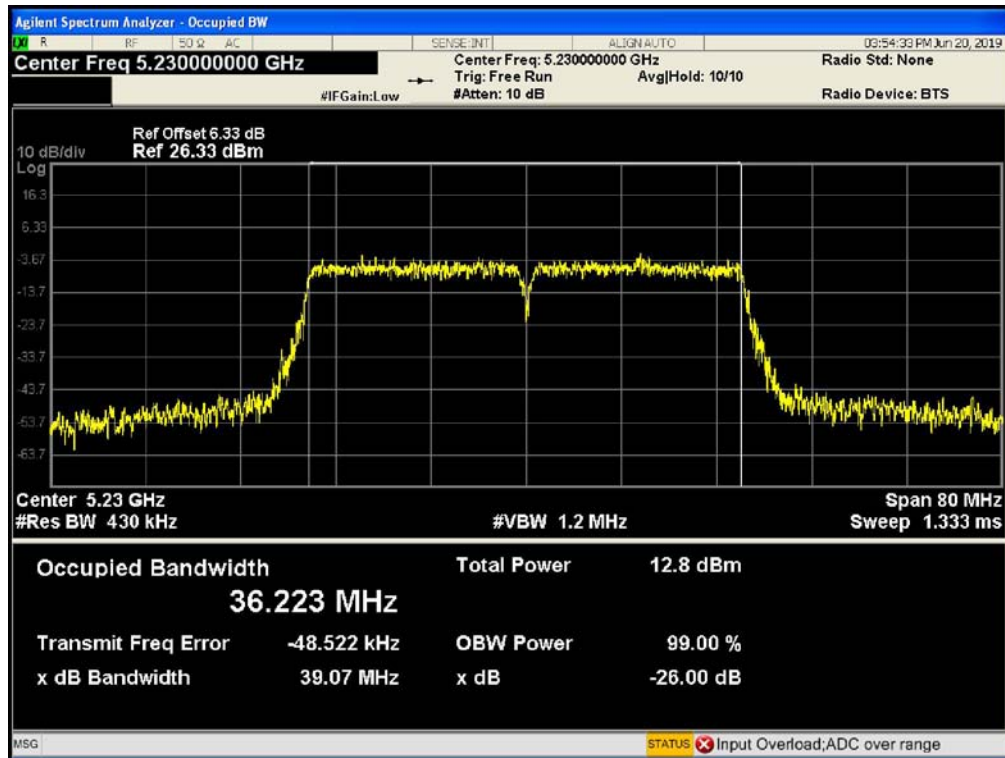


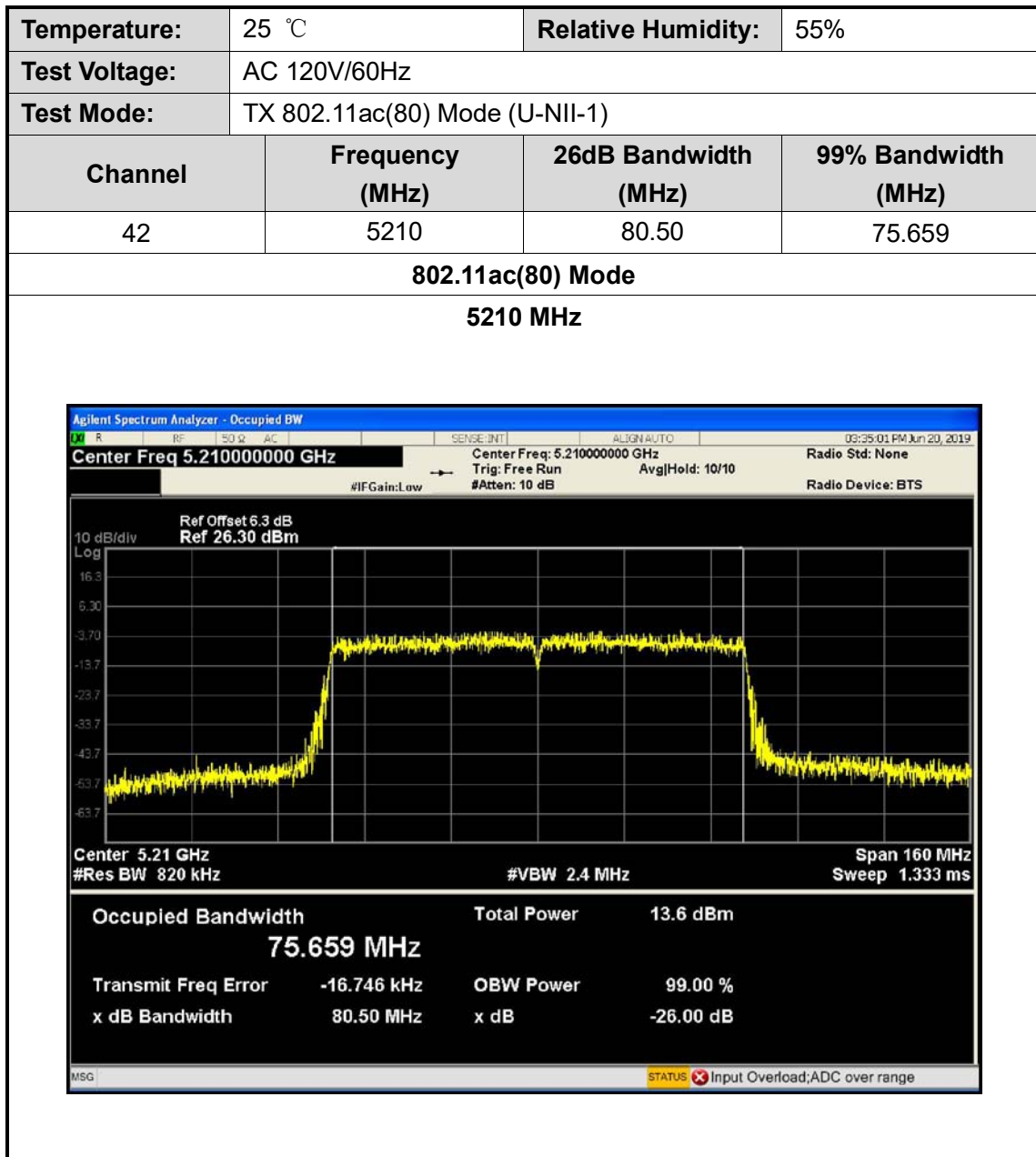


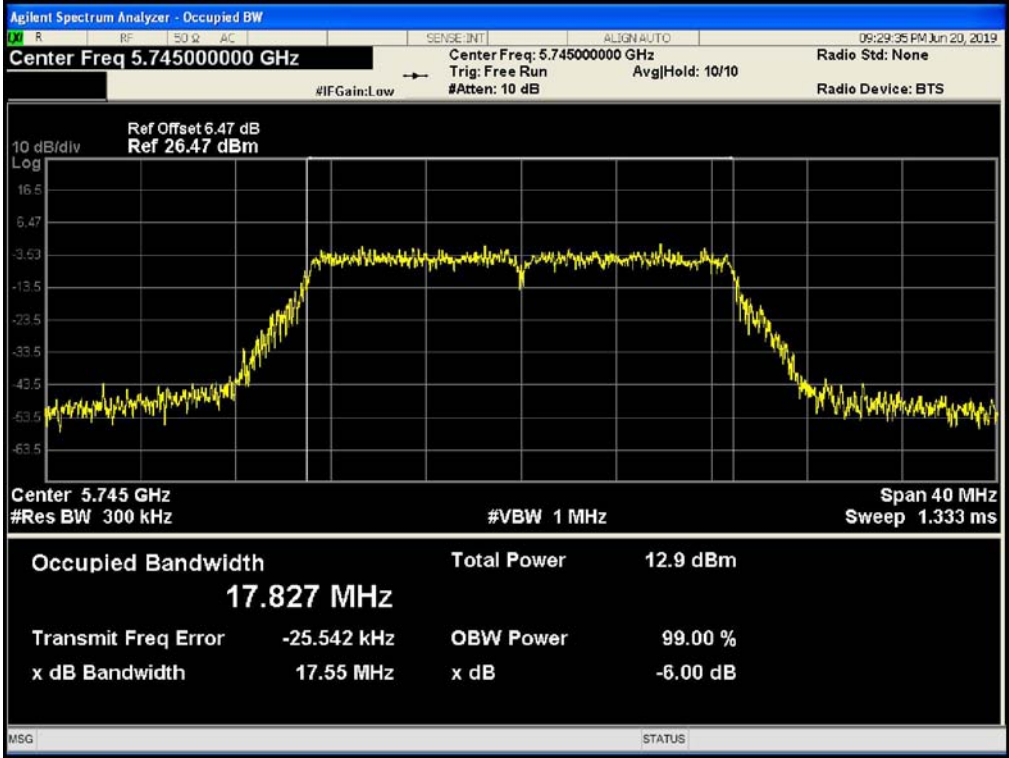


802.11ac(40) Mode

5230 MHz

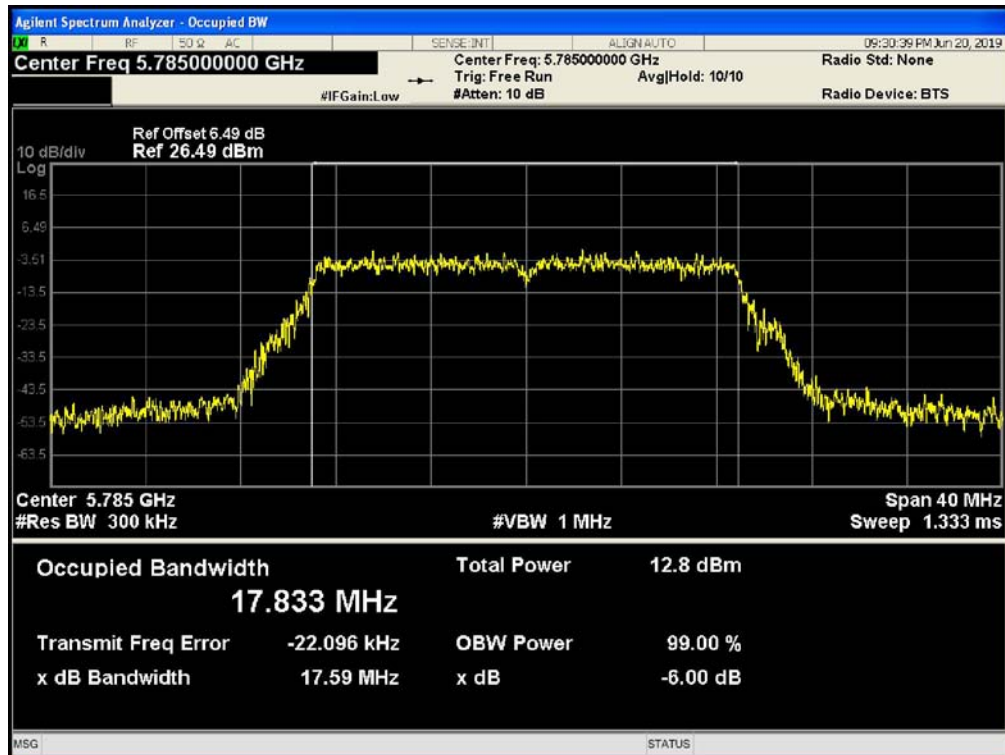




Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.55	17.827
157	5785	17.59	17.833
165	5825	17.64	17.835
Limit(MHz):		>0.5MHz	/
802.11a Mode			
5745 MHz			
 <p>The screenshot shows an Agilent Spectrum Analyzer in Occupied BW mode. The center frequency is 5.745000000 GHz. The signal is a rectangular pulse with a flat top at approximately -13.5 dBm. The occupied bandwidth is 17.827 MHz, and the total power is 12.9 dBm. The transmit frequency error is -25.542 kHz, and the x dB bandwidth is 17.55 MHz. The OBW power is 99.00%, and the x dB value is -6.00 dB. The span is 40 MHz, and the sweep is 1.333 ms. The resolution bandwidth is 300 kHz, and the video bandwidth is 1 MHz. The reference offset is 6.47 dB, and the reference level is 26.47 dBm. The radio device is identified as BTS.</p>			

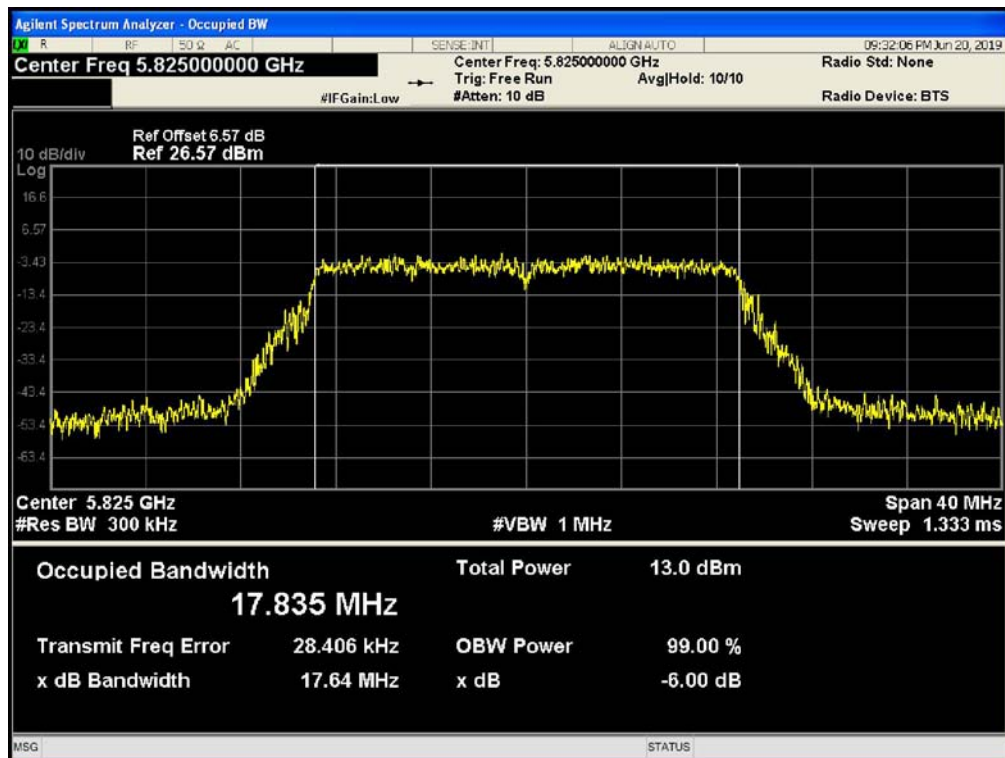
802.11a Mode

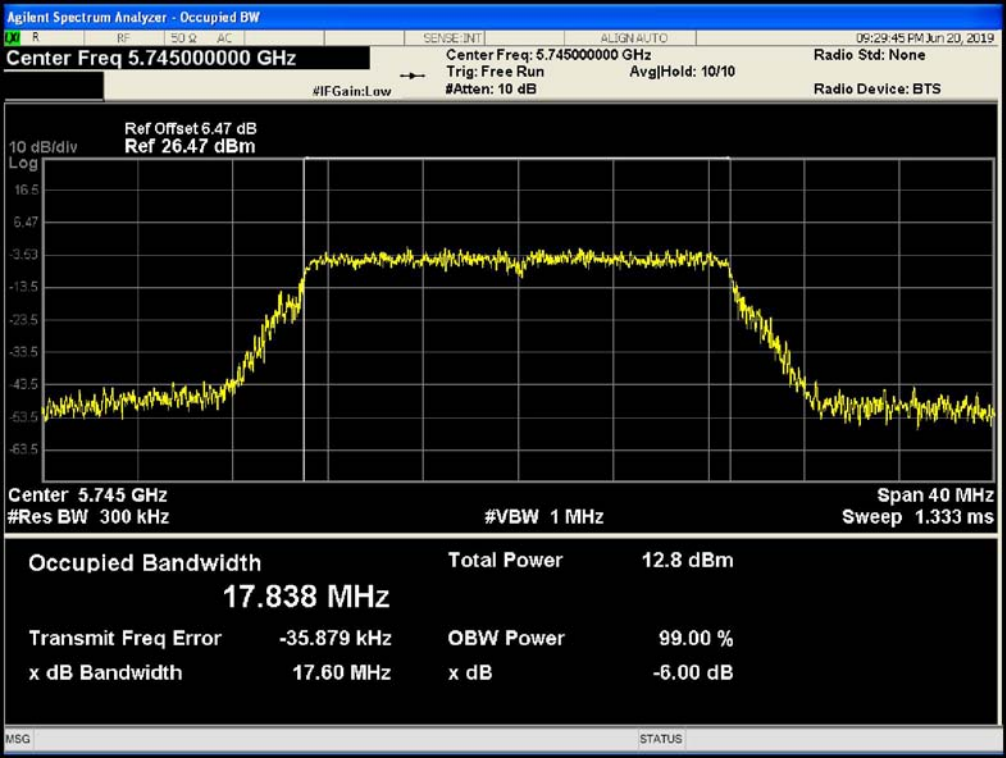
5785 MHz



802.11a Mode

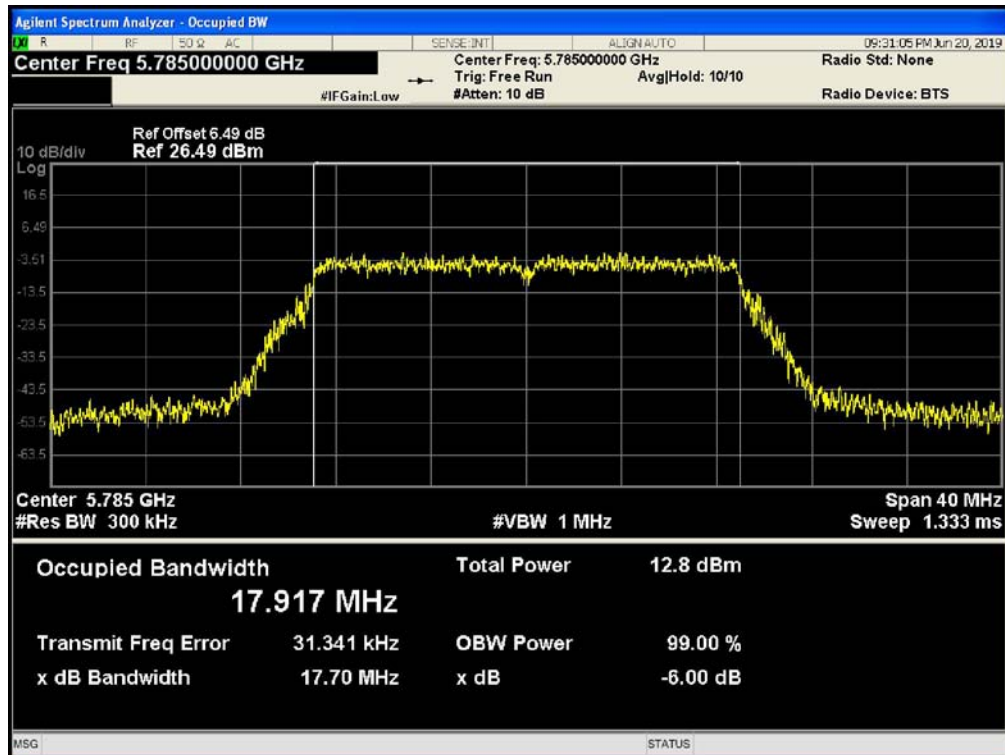
5825 MHz



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			
 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.745000000 GHz</p> <p>Ref Offset 6.47 dB</p> <p>Ref 26.47 dBm</p> <p>Center 5.745 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1.333 ms</p> <p>Occupied Bandwidth 17.838 MHz</p> <p>Total Power 12.8 dBm</p> <p>Transmit Freq Error -35.879 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.60 MHz</p> <p>x dB -6.00 dB</p>			

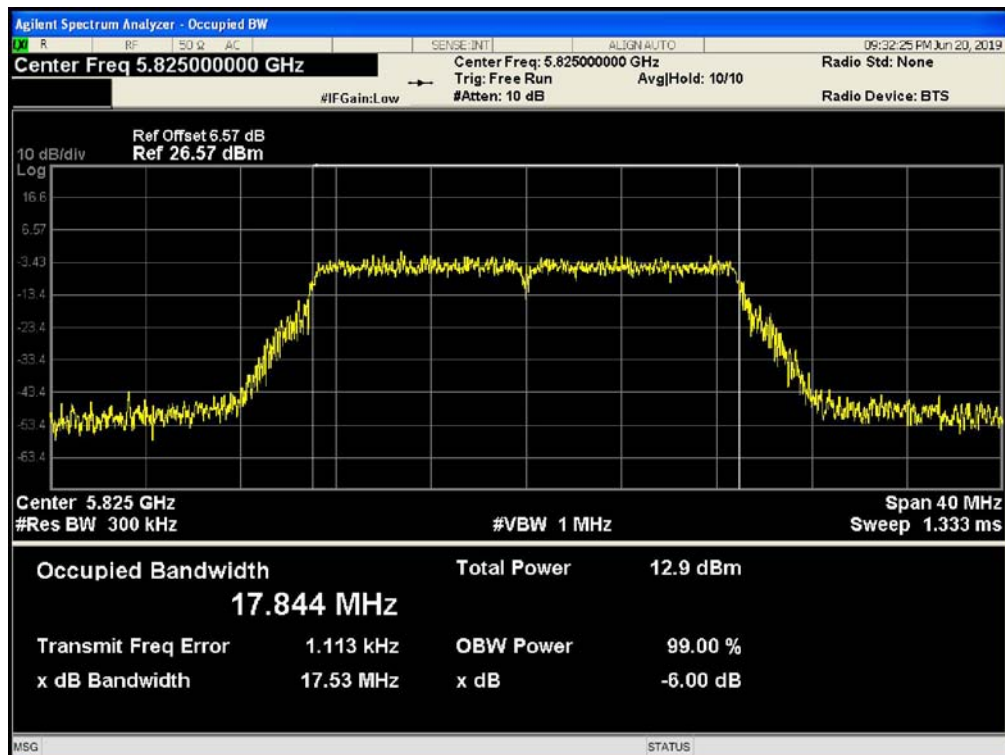
802.11n(HT20) Mode

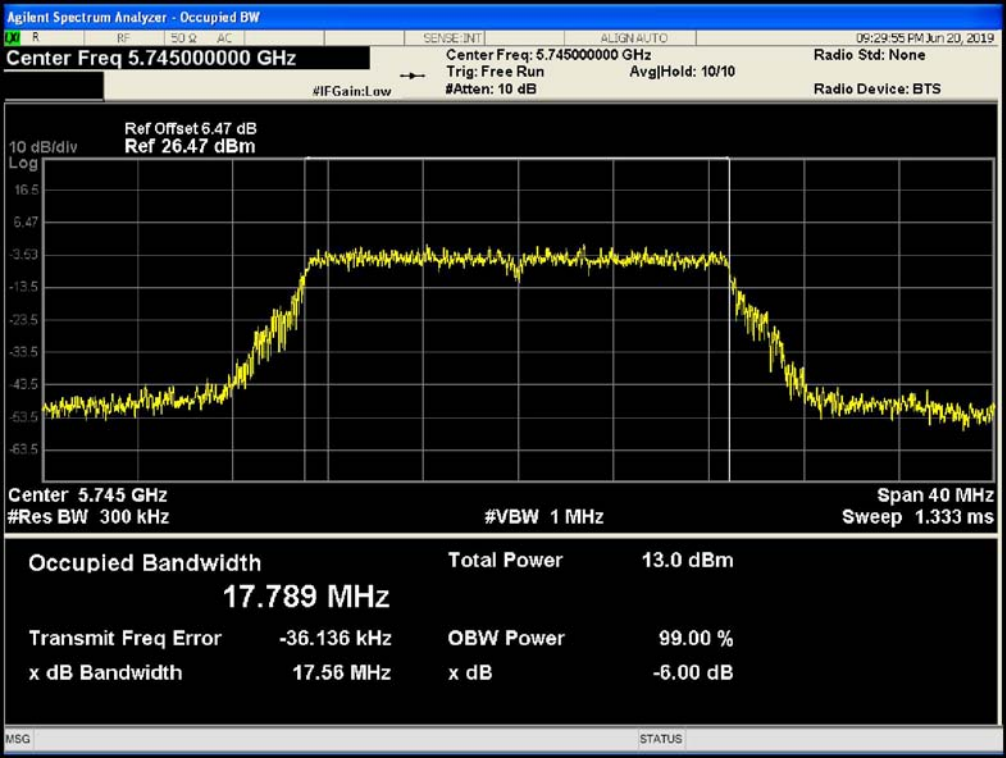
5785 MHz



802.11n(HT20) Mode

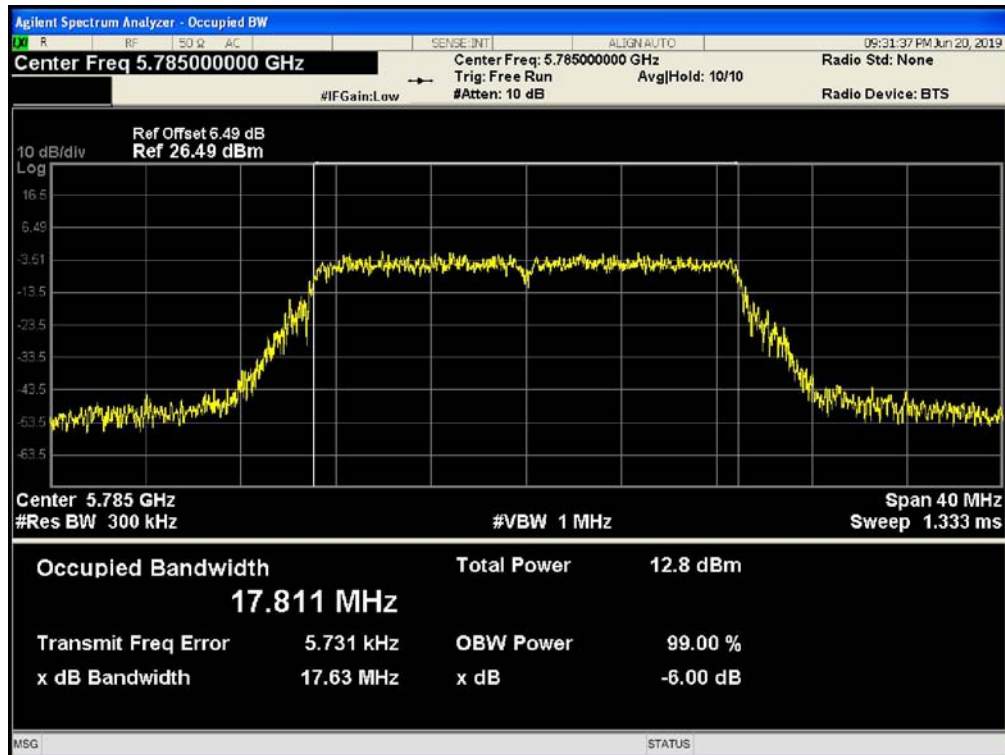
5825 MHz



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			
 <p>The screenshot shows an Agilent Spectrum Analyzer in Occupied BW mode. The center frequency is 5.745 GHz. The span is 40 MHz. The resolution bandwidth (Res BW) is 300 kHz. The video bandwidth (VBW) is 1 MHz. The sweep time is 1.333 ms. The signal is a 17.789 MHz wideband signal with a total power of 13.0 dBm. The transmit frequency error is -36.136 kHz. The x dB bandwidth is 17.56 MHz. The x dB power is -6.00 dB. The radio device is identified as BTS.</p>			

802.11ac(20) Mode

5785 MHz



802.11ac(20) Mode

5825 MHz

