

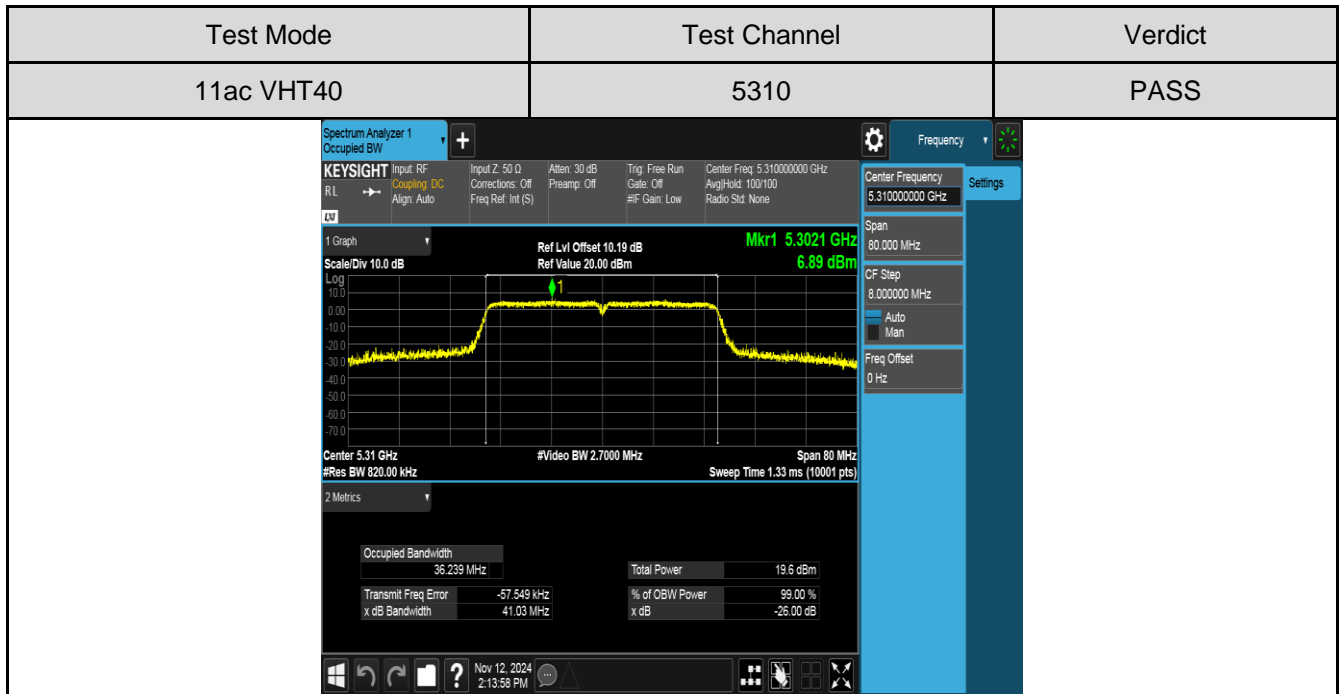
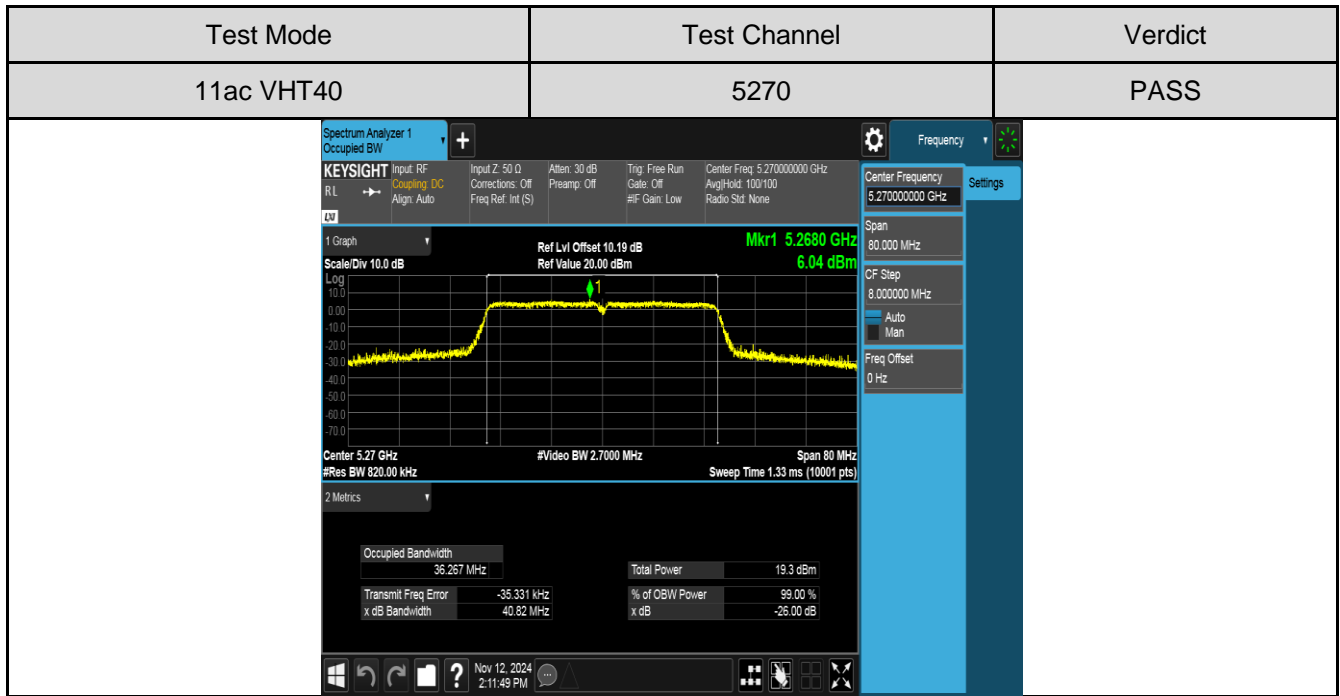
Test Mode	Test Channel	Verdict
11ac VHT20	5825	PASS

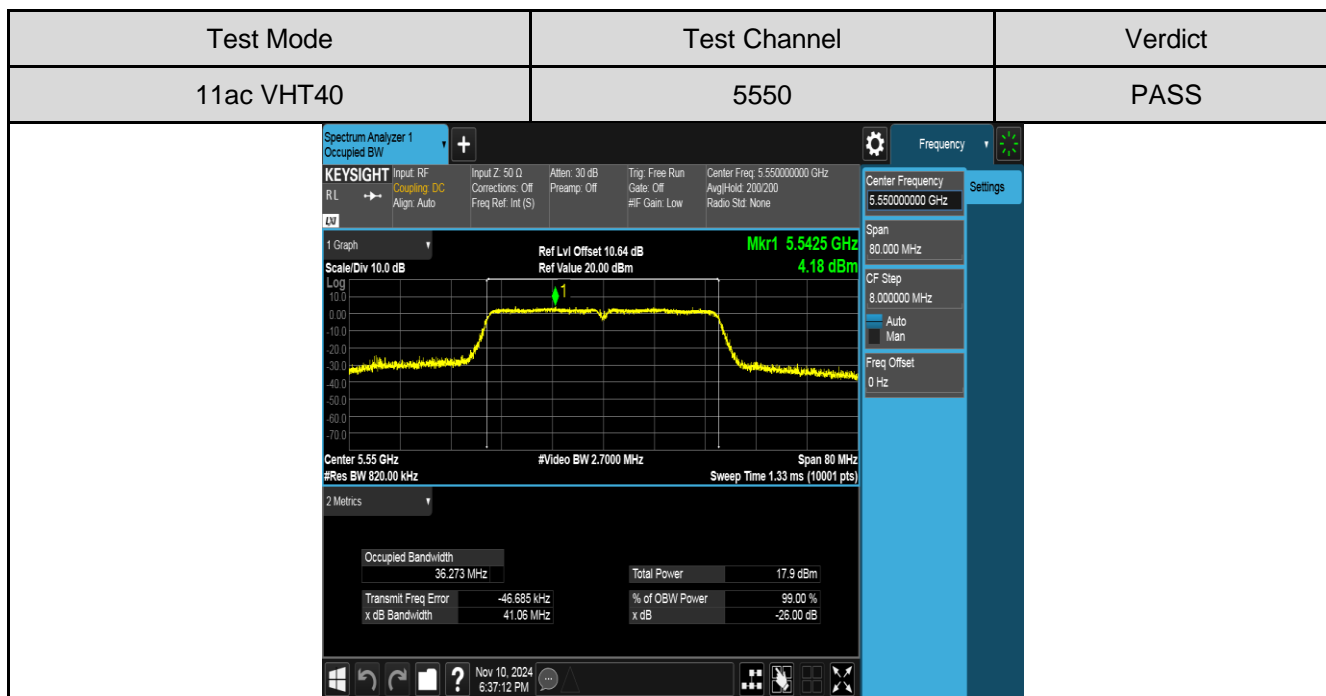
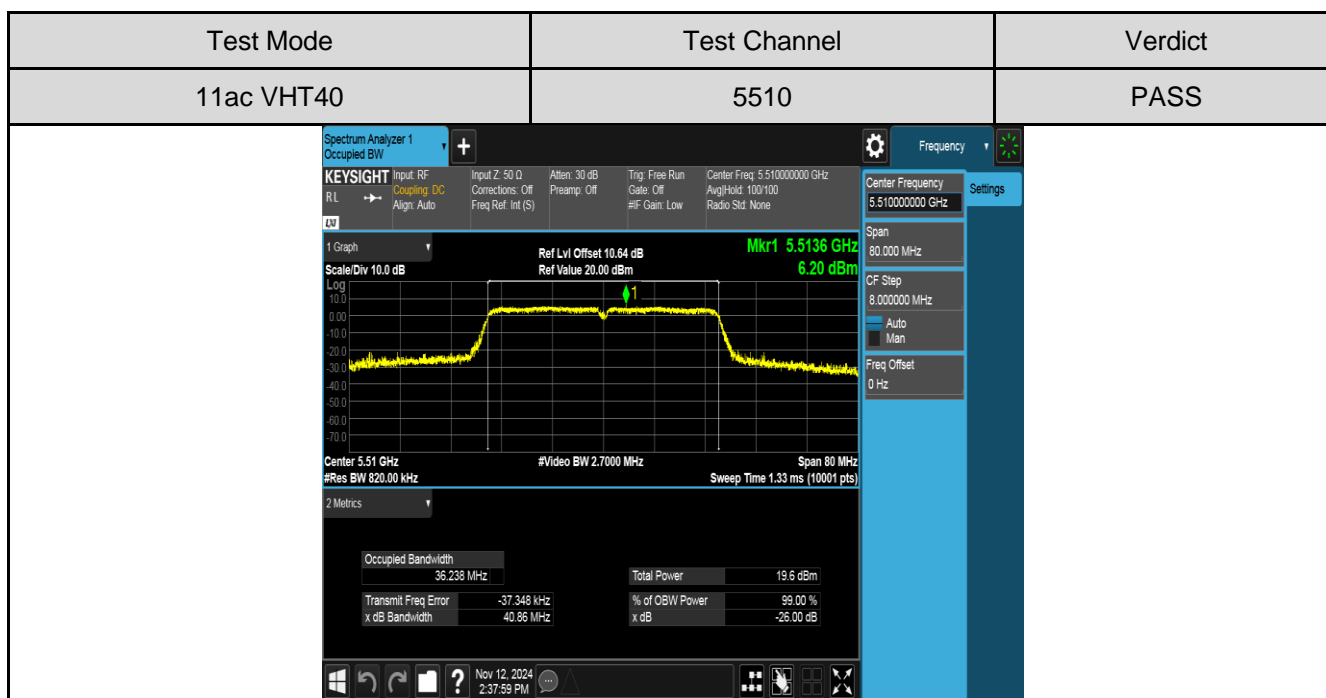
The screenshot displays a Spectrum Analyzer 1 interface with the following details:

- Top Bar:** Spectrum Analyzer 1, Occupied BW, Frequency, and a settings icon.
- KEYSIGHT Section:**
  - Input: RF, Coupling: DC, Align: Auto
  - Input Z: 50 Ω, Corrections: Off, Freq Ref: Int (S)
  - Atten: 30 dB, Preamp: Off
  - Trig: Free Run, Gate: Off, #F Gain: Low
  - Center Freq: 5.825000000 GHz, Avg/Hold: 100/100, Radio Sld: None
- Graph Area:**
  - 1 Graph, Scale/Div: 10.0 dB
  - Ref Lvl Offset: 10.36 dB, Ref Value: 20.00 dBm
  - Mkr1: 5.8296 GHz, 6.16 dBm
  - Center: 5.825 GHz, #Video BW: 1.3000 MHz, Span: 40 MHz, #Res BW: 430.00 kHz, Sweep Time: 1.33 ms (10001 pts)
- 2 Metrics Section:**
  - Occupied Bandwidth: 18.006 MHz
  - Total Power: 19.1 dBm
  - Transmit Freq Error: -46.409 kHz
  - % of OBW Power: 99.00 %
  - x dB Bandwidth: 26.79 MHz
  - x dB: -26.00 dB
- Right Panel (Settings):**
  - Center Frequency: 5.825000000 GHz
  - Span: 40.000 MHz
  - CF Step: 4.000000 MHz
  - Auto (selected), Man
  - Freq Offset: 0 Hz
- Bottom Bar:** Windows taskbar showing the date and time as Nov 12, 2024, 2:01:21 PM.

Test Mode	Test Channel	Verdict
11ac VHT40	5190	PASS
<div><div><div><div><div>Spectrum Analyzer 1</div><div>Occupied BW</div></div><div><div>+</div></div></div><div><div>KEYSIGHT</div><div>Input: RF</div><div>Coupling: DC</div><div>Align: Auto</div></div><div><div>Input Z: 50 Ω</div><div>Corrections: Off</div><div>Freq Ref: Int (S)</div></div><div><div>Atten: 30 dB</div><div>Preamp: Off</div></div><div><div>Trig: Free Run</div><div>Gate: Off</div><div>#F Gain: Low</div></div><div><div>Center Freq: 5.19000000 GHz</div><div>Avg/Hold: 100/100</div><div>Radio Std: None</div></div></div><div><div>1 Graph</div><div>Scale/Div 10.0 dB</div><div>Log 10.0</div><div>Ref Lvl Offset 10.12 dB</div><div>Ref Value 20.00 dBm</div><div>Mkr1 5.1771 GHz</div><div>5.86 dBm</div><div>Center 5.19 GHz</div><div>#Res BW 820.00 kHz</div><div>#Video BW 2.7000 MHz</div><div>Sweep Time 1.33 ms (10001 pts)</div><div>Span 80 MHz</div></div><div><div>2 Metrics</div><div>Occupied Bandwidth</div><div>36.304 MHz</div><div>Total Power</div><div>19.3 dBm</div><div>Transmit Freq Error</div><div>-76.972 kHz</div><div>% of OBW Power</div><div>99.00 %</div><div>x dB Bandwidth</div><div>41.00 MHz</div><div>x dB</div><div>-26.00 dB</div></div><div><div>Frequency</div><div>Settings</div><div>Center Frequency</div><div>5.19000000 GHz</div><div>Span</div><div>80.000 MHz</div><div>CF Step</div><div>8.000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div><div><div>Nov 12, 2024</div><div>2:03:50 PM</div></div></div>		

Test Mode	Test Channel	Verdict
11ac VHT40	5230	PASS
<div><div><div><div><div>Spectrum Analyzer 1</div><div>Occupied BW</div></div><div><div>KEYSIGHT</div><div>Input: RF</div><div>Coupling: DC</div><div>Align: Auto</div></div><div><div>Input Z: 50 Ω</div><div>Corrections: Off</div><div>Freq Ref: Int (S)</div></div><div><div>Atten: 30 dB</div><div>Preamp: Off</div><div></div></div><div><div>Trig: Free Run</div><div>Gate: Off</div><div>#F Gain: Low</div></div><div><div>Center Freq: 5.23000000 GHz</div><div>Avg/Hold: 100/100</div><div>Radio Std: None</div></div></div></div><div><div>Frequency</div><div>Settings</div><div>Center Frequency</div><div>5.230000000 GHz</div><div>Span</div><div>80.000 MHz</div><div>CF Step</div><div>8.000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div> <div><div>1 Graph</div><div>Scale/Div 10.0 dB</div><div>Log</div><div>Ref Lvl Offset 10.12 dB</div><div>Ref Value 20.00 dBm</div><div>Mkr1 5.2210 GHz</div><div>5.78 dBm</div><div>Center 5.23 GHz</div><div>#Video BW 2.7000 MHz</div><div>Span 80 MHz</div><div>#Res BW 820.00 kHz</div><div>Sweep Time 1.33 ms (10001 pts)</div><div>2 Metrics</div><div><div>Occupied Bandwidth</div><div>36.247 MHz</div><div>Total Power</div><div>19.3 dBm</div><div>Transmit Freq Error</div><div>-42.618 kHz</div><div>% of OBW Power</div><div>99.00 %</div><div>x dB Bandwidth</div><div>41.14 MHz</div><div>x dB</div><div>-26.00 dB</div></div><div><div>Nov 12, 2024</div><div>2:09:37 PM</div></div></div>		





Test Mode	Test Channel	Verdict
11ac VHT40	5670	PASS

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)

Atten: 30 dB  
Preamp: Off

Trig: Free Run  
Gate: Off  
#F Gain: Low

Center Freq: 5.670000000 GHz  
Avg/Hold: 100/100  
Radio Std: None

1 Graph

Scale/Div 10.0 dB

Log

10.0  
0.00  
-10.0  
-20.0  
-30.0  
-40.0  
-50.0  
-60.0  
-70.0

Ref Lvl Offset 10.53 dB  
Ref Value 20.00 dBm

Mkr1 5.6760 GHz  
6.42 dBm

Center 5.67 GHz  
#Res BW 820.00 kHz

#Video BW 2.7000 MHz

Sweep Time 1.33 ms (10001 pts)

Span 80 MHz

2 Metrics

Occupied Bandwidth  
36.289 MHz

Total Power  
20.0 dBm

Transmit Freq Error  
x dB Bandwidth -74.555 kHz  
56.36 MHz

% of OBW Power  
x dB 99.00 %  
-26.00 dB

Nov 12, 2024  
2:51:23 PM

\*\*\*

Frequency

Settings

Center Frequency  
5.670000000 GHz

Span  
80.000 MHz

CF Step  
8.000000 MHz

Auto  
Man

Freq Offset  
0 Hz

Test Mode	Test Channel	Verdict
11ac VHT40	5710	PASS

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)

Atten: 30 dB  
Preamp: Off

Trig: Free Run  
Gate: Off  
#IF Gain: Low

Center Freq: 5.71000000 GHz  
Avg/Hold: 100/100  
Radio Std: None

1 Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 10.27 dB  
Ref Value 20.00 dBm

Mkr1 5.7174 GHz  
6.01 dBm

Center 5.71 GHz  
#Res BW 820.00 kHz

#Video BW 2.7000 MHz

Span 80 MHz  
Sweep Time 1.33 ms (10001 pts)

2 Metrics

Occupied Bandwidth  
36.233 MHz

Transmit Freq Error  
-96.706 kHz

x dB Bandwidth  
41.13 MHz

Total Power  
19.1 dBm

% of OBW Power  
99.00 %

x dB  
-26.00 dB

Frequency

Settings

Center Frequency  
5.710000000 GHz

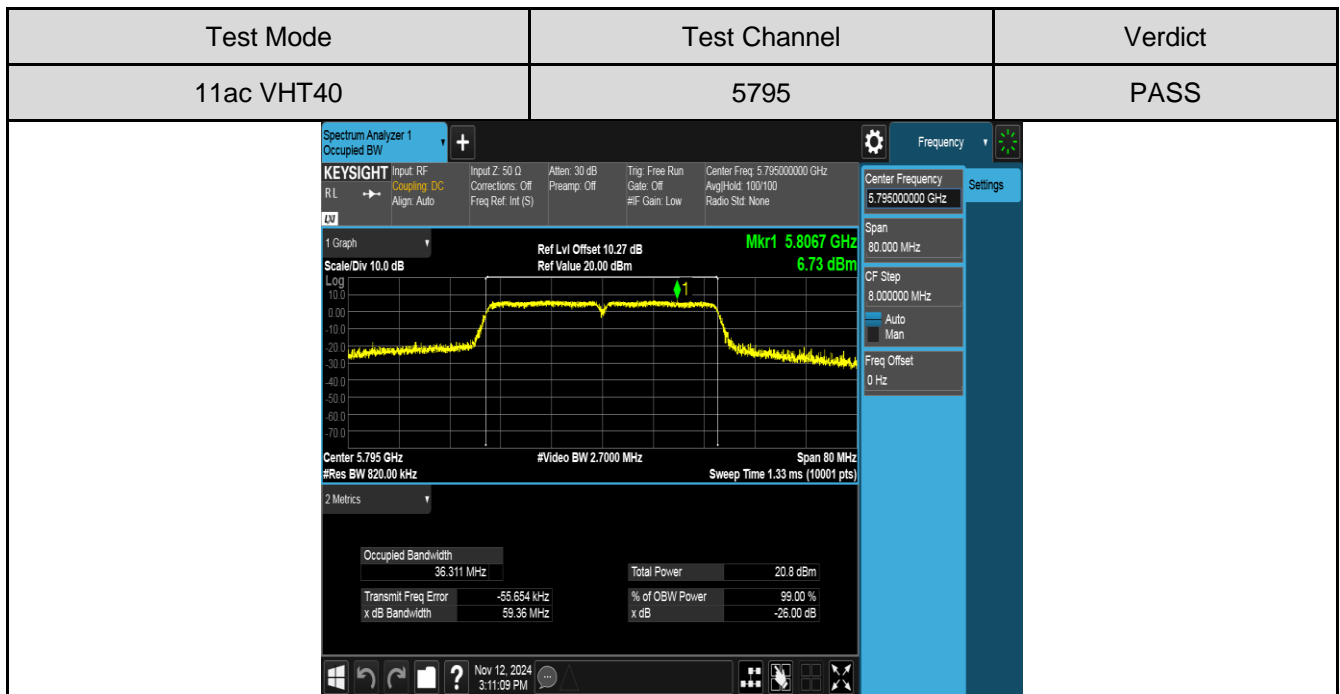
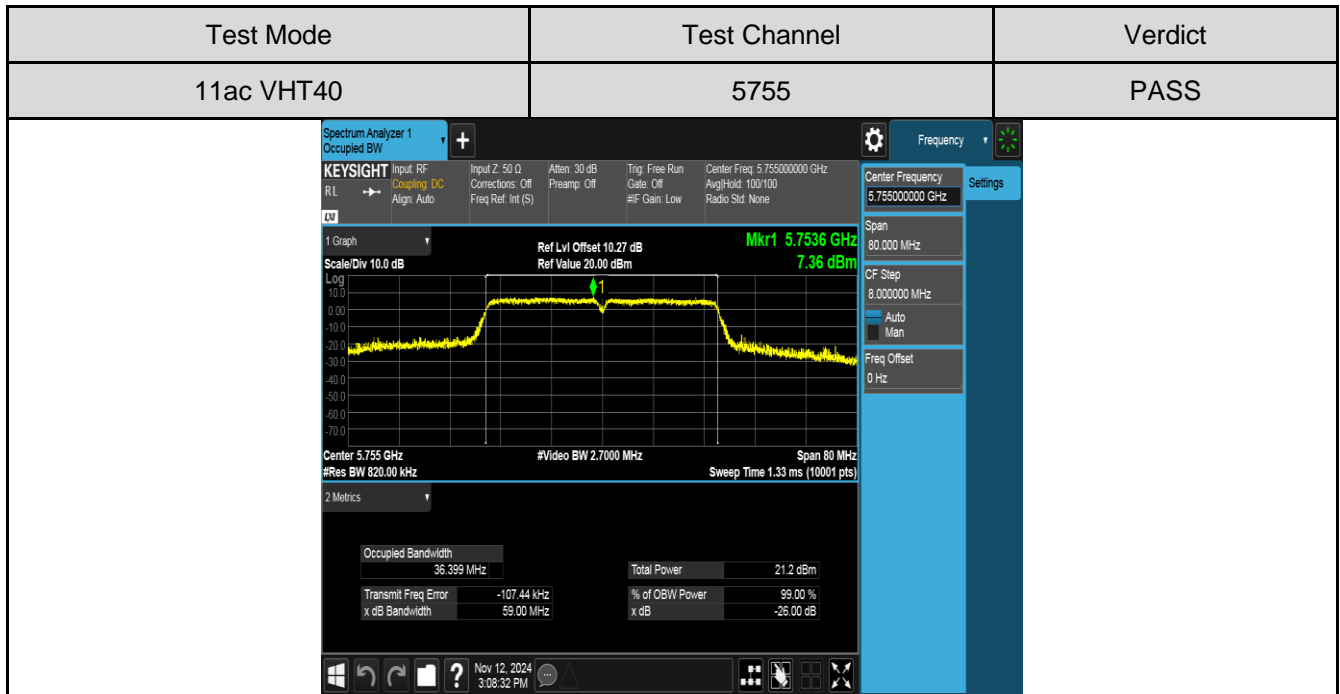
Span  
80.000 MHz

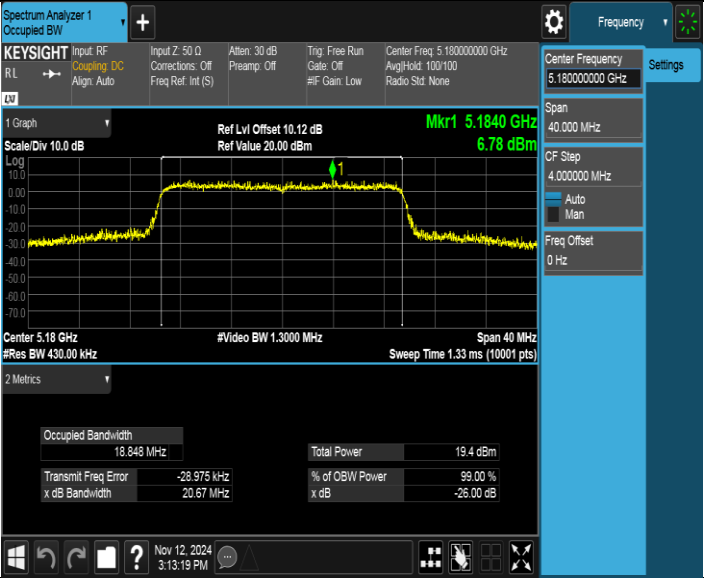
CF Step  
8.000000 MHz

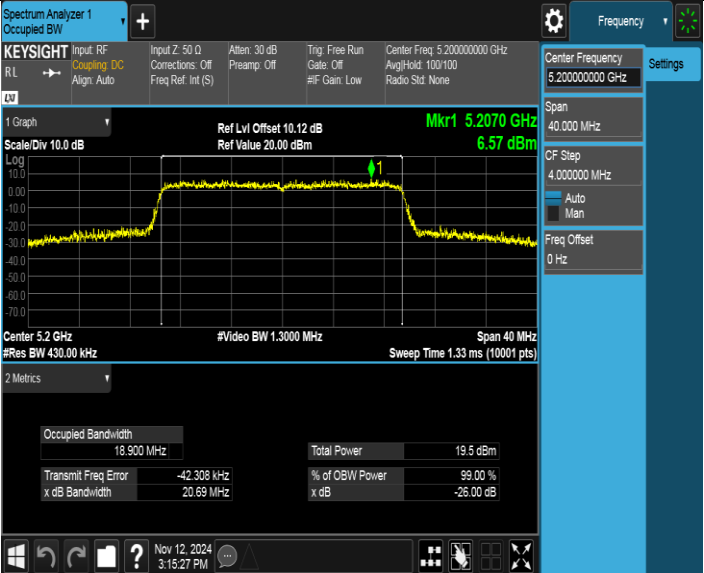
Auto  
Man

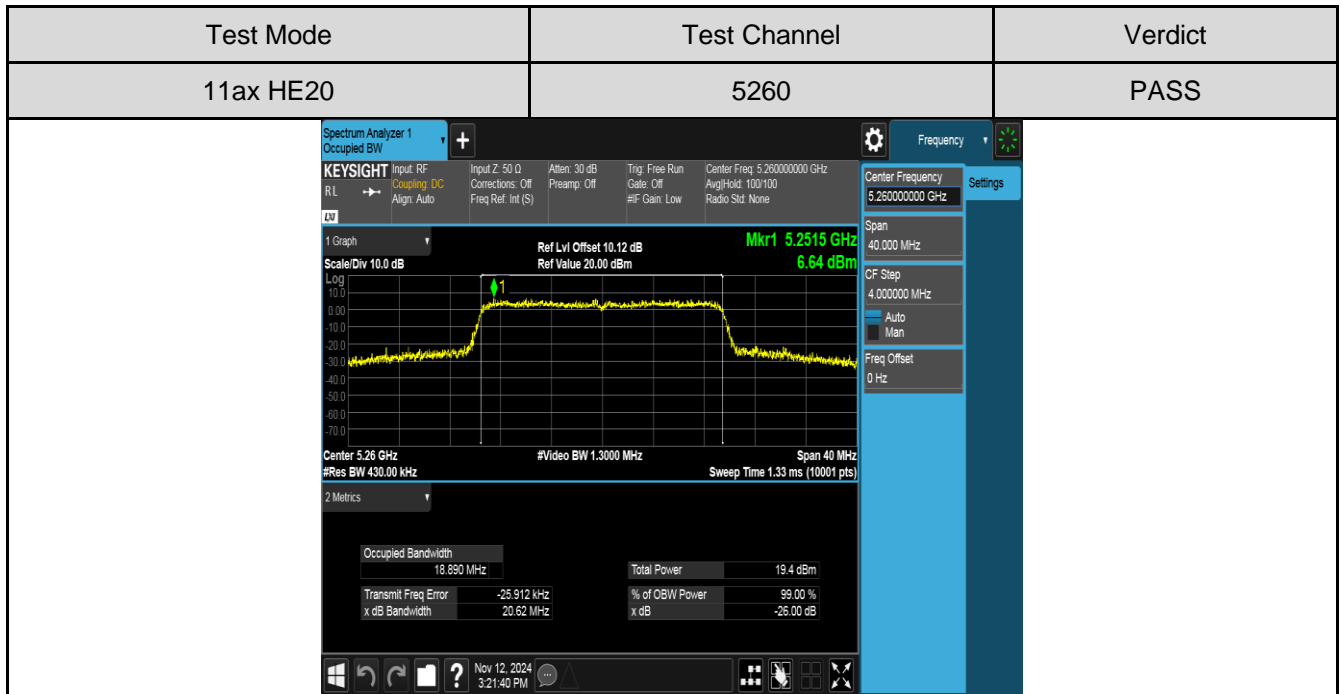
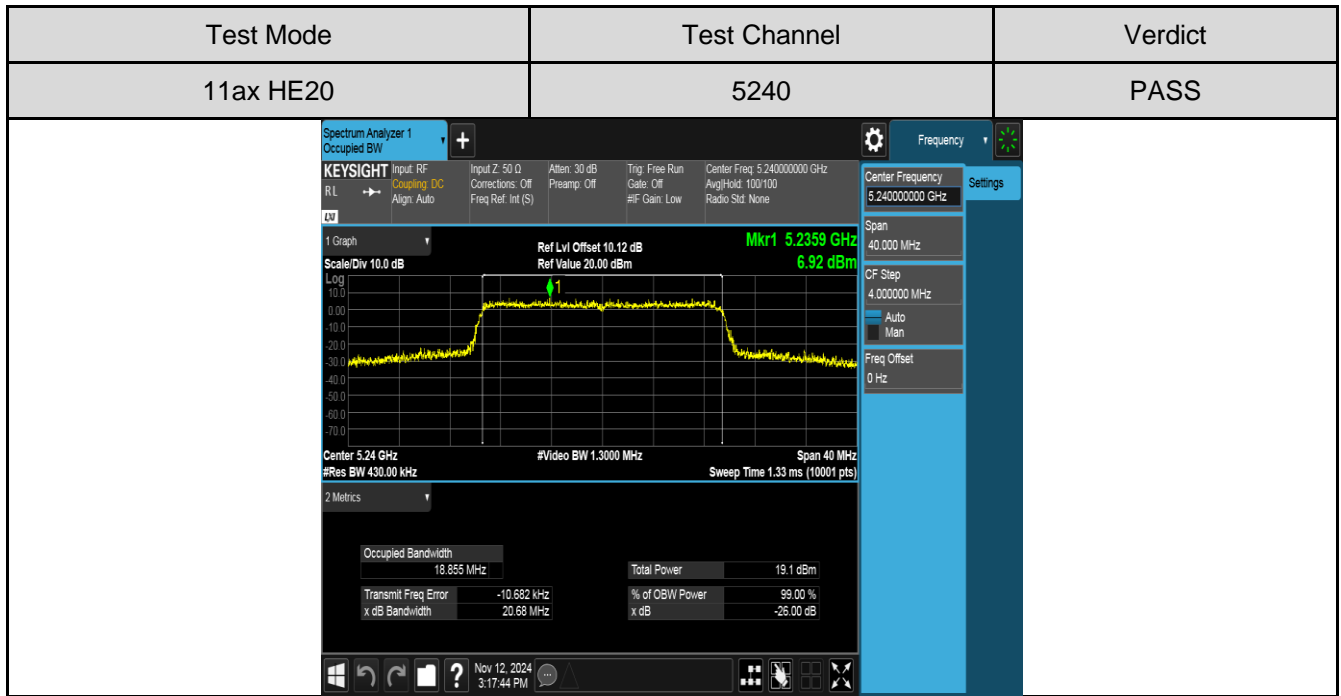
Freq Offset  
0 Hz

Nov 12, 2024  
2:52:53 PM



Test Mode	Test Channel	Verdict
11ax HE20	5180	PASS
		

Test Mode	Test Channel	Verdict
11ax HE20	5200	PASS
		





Test Mode	Test Channel	Verdict
11ax HE20	5280	PASS
<div><div><div><div><div>Spectrum Analyzer 1</div><div>Occupied BW</div></div><div><div>+</div></div></div><div><div>KEYSIGHT</div><div>Input: RF</div><div>Corrections: Off</div><div>Atten: 30 dB</div><div>Trig: Free Run</div><div>Center Freq: 5.28000000 GHz</div></div><div><div>R/L</div><div>Coupling: DC</div><div>Gate: Off</div><div>Preamp: Off</div><div>Avg/Hold: 100/100</div></div><div><div>Align: Auto</div><div>Freq Ref: Int (S)</div><div>#IF Gain: Low</div><div>Radio Std: None</div></div></div><div><div>1 Graph</div><div>Scale/Div 10.0 dB</div><div>Log</div><div>Ref Lvl Offset 10.19 dB</div><div>Ref Value 20.00 dBm</div><div>Mkr1 5.2762 GHz</div><div>6.94 dBm</div><div>Center 5.28 GHz</div><div>#Res BW 430.00 kHz</div><div>#Video BW 1.3000 MHz</div><div>Span 40 MHz</div><div>Sweep Time 1.33 ms (10001 pts)</div></div><div><div>2 Metrics</div><div><div>Occupied Bandwidth</div><div>18.881 MHz</div><div>Total Power</div><div>19.4 dBm</div><div>Transmit Freq Error</div><div>-26.834 kHz</div><div>% of OBW Power</div><div>99.00 %</div><div>x dB Bandwidth</div><div>20.55 MHz</div><div>x dB</div><div>-26.00 dB</div></div></div><div><div>Nov 12, 2024</div><div>3:24:01 PM</div></div></div> <div><div>Frequency</div><div>Settings</div><div>Center Frequency</div><div>5.280000000 GHz</div><div>Span</div><div>40.000 MHz</div><div>CF Step</div><div>4.000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div>		

Test Mode	Test Channel	Verdict
11ax HE20	5320	PASS

Spectrum Analyzer 1  
Occupied BW

+

Settings

KEYSIGHT

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)

Atten: 30 dB  
Preamp: Off

Trig: Free Run  
Gate: Off  
#F Gain: Low

Center Freq: 5.32000000 GHz  
Avg/Hold: 100/100  
Radio Std: None

1 Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 10.19 dB  
Ref Value 20.00 dBm

Mkr1 5.3133 GHz  
7.21 dBm

Center 5.32 GHz  
#Res BW 430.00 kHz

#Video BW 1.3000 MHz

Sweep Time 1.33 ms (10001 pts)

Span 40 MHz

2 Metrics

Occupied Bandwidth  
18.909 MHz

Total Power  
19.8 dBm

Transmit Freq Error  
-40.302 kHz

% of OBW Power  
99.00 %

x dB Bandwidth  
20.70 MHz

x dB  
-26.00 dB

Nov 12, 2024  
3:26:22 PM

Test Mode	Test Channel	Verdict
11ax HE20	5500	PASS
<div><div><div><div>Spectrum Analyzer 1 Occupied BW</div><div><div>KEYSIGHT</div><div><div>Input: RF</div><div>Coupling: DC</div><div>Align: Auto</div></div><div><div>Input Z: 50 Ω</div><div>Corrections: Off</div><div>Freq Ref: Int (S)</div></div><div><div>Atten: 30 dB</div><div>Preamp: Off</div><div></div></div><div><div>Trig: Free Run</div><div>Gate: Off</div><div>#F Gain: Low</div></div><div><div>Center Freq: 5.500000000 GHz</div><div>Avg/Hold: 100/100</div><div>Radio Std: None</div></div></div><div><div>1 Graph</div><div>Scale/Div 10.0 dB</div><div>Log</div><div>Ref Lvl Offset 10.64 dB</div><div>Ref Value 20.00 dBm</div><div>Mkr1 5.4920 GHz</div><div>7.92 dBm</div><div>Center 5.5 GHz</div><div>#Res BW 430.00 kHz</div><div>#Video BW 1.3000 MHz</div><div>Span 40 MHz</div><div>Sweep Time 1.33 ms (10001 pts)</div><div>2 Metrics</div><div><div>Occupied Bandwidth</div><div>18.912 MHz</div><div>Total Power</div><div>20.3 dBm</div><div>Transmit Freq Error</div><div>-31.360 kHz</div><div>% of OBW Power</div><div>99.00 %</div><div>x dB Bandwidth</div><div>20.83 MHz</div><div>x dB</div><div>-26.00 dB</div></div></div><div><div>Frequency</div><div>Settings</div><div>Center Frequency</div><div>5.500000000 GHz</div><div>Span</div><div>40.000 MHz</div><div>CF Step</div><div>4.000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div><div><div>Nov 12, 2024</div><div>3:29:00 PM</div></div></div></div>		

Test Mode	Test Channel	Verdict
11ax HE20	5580	PASS

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)

Atten: 30 dB  
Preamp: Off

Trig: Free Run  
Gate: Off  
#F Gain: Low

Center Freq: 5.58000000 GHz  
Avg/Hold: 100/100  
Radio Std: None

1 Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 10.64 dB  
Ref Value 20.00 dBm

Mkr1 5.5760 GHz  
7.43 dBm

Center 5.58 GHz  
#Res BW 430.00 kHz

#Video BW 1.3000 MHz

Span 40 MHz  
Sweep Time 1.33 ms (10001 pts)

2 Metrics

Occupied Bandwidth  
18.884 MHz

Transmit Freq Error  
x dB Bandwidth

Total Power  
19.7 dBm

% of OBW Power  
99.00 %  
x dB

Frequency

Settings

Center Frequency  
5.580000000 GHz

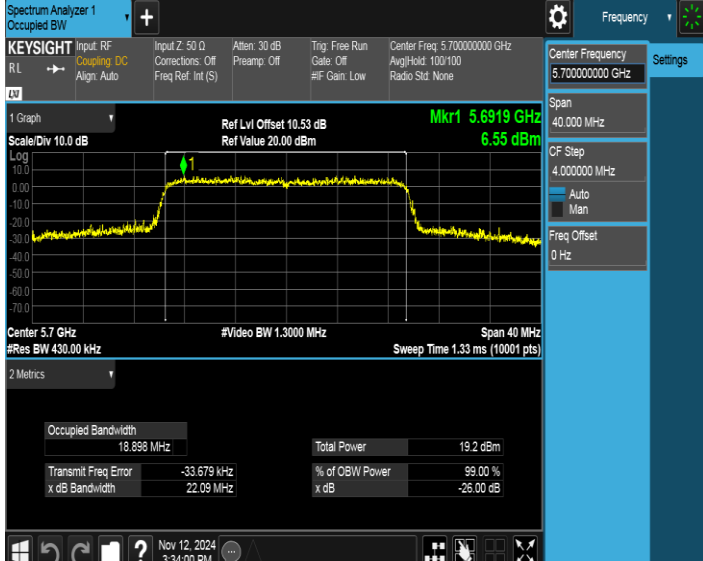
Span  
40.000 MHz

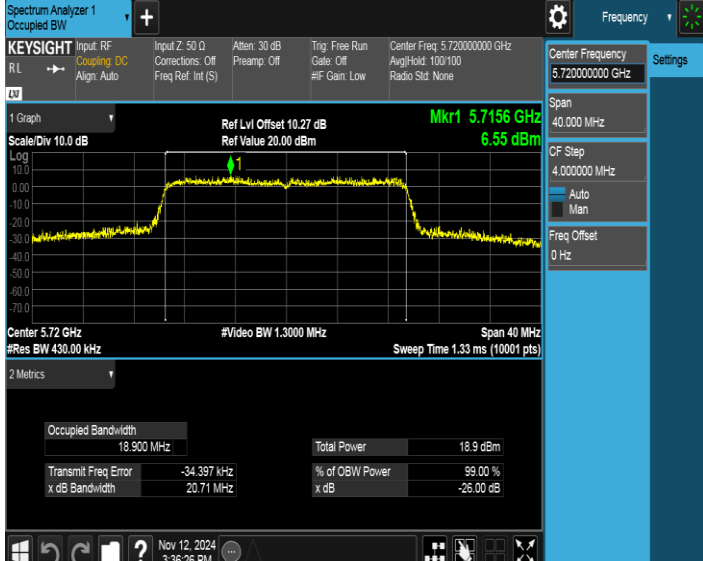
CF Step  
4.000000 MHz

Auto  
Man

Freq Offset  
0 Hz

Nov 12, 2024  
3:31:31 PM

Test Mode	Test Channel	Verdict
11ax HE20	5700	PASS
		

Test Mode	Test Channel	Verdict
11ax HE20	5720	PASS
		

Test Mode	Test Channel	Verdict
11ax HE20	5745	PASS

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)

Atten: 30 dB  
Preamp: Off

Trig: Free Run  
Gate: Off  
#F Gain: Low

Center Freq: 5.74500000 GHz  
Avg/Hold: 100/100  
Radio Std: None

1 Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 10.27 dB  
Ref Value 20.00 dBm

Mkr1 5.7407 GHz  
7.96 dBm

Center 5.745 GHz  
#Res BW 430.00 kHz

#Video BW 1.3000 MHz

Span 40 MHz  
Sweep Time 1.33 ms (10001 pts)

2 Metrics

Occupied Bandwidth

18.853 MHz

Total Power

20.1 dBm

Transmit Freq Error

-46.505 kHz

% of OBW Power

99.00 %

x dB Bandwidth

21.86 MHz

x dB

-26.00 dB

Nov 12, 2024  
3:45:51 PM

Frequency

Settings

Center Frequency

5.74500000 GHz

Span

40.000 MHz

CF Step

4.000000 MHz

Auto  
Man

Freq Offset

0 Hz

Test Mode	Test Channel	Verdict
11ax HE20	5785	PASS

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)

Atten: 30 dB  
Preamp: Off

Trig: Free Run  
Gate: Off  
#F Gain: Low

Center Freq: 5.78500000 GHz  
Avg/Hold: 100/100  
Radio Std: None

1 Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 10.27 dB  
Ref Value 20.00 dBm

Mkr1 5.7779 GHz  
8.53 dBm

Center 5.785 GHz  
#Res BW 430.00 kHz

#Video BW 1.3000 MHz

Sweep Time 1.33 ms (10001 pts)

Span 40 MHz

2 Metrics

Occupied Bandwidth

18.942 MHz

Total Power

20.6 dBm

Transmit Freq Error

-49.209 kHz

% of OBW Power

99.00 %

x dB Bandwidth

24.78 MHz

x dB

-26.00 dB

Nov 12, 2024  
3:48:54 PM

Frequency

Settings

Center Frequency  
5.785000000 GHz

Span  
40.000 MHz

CF Step  
4.000000 MHz

Auto  
Man

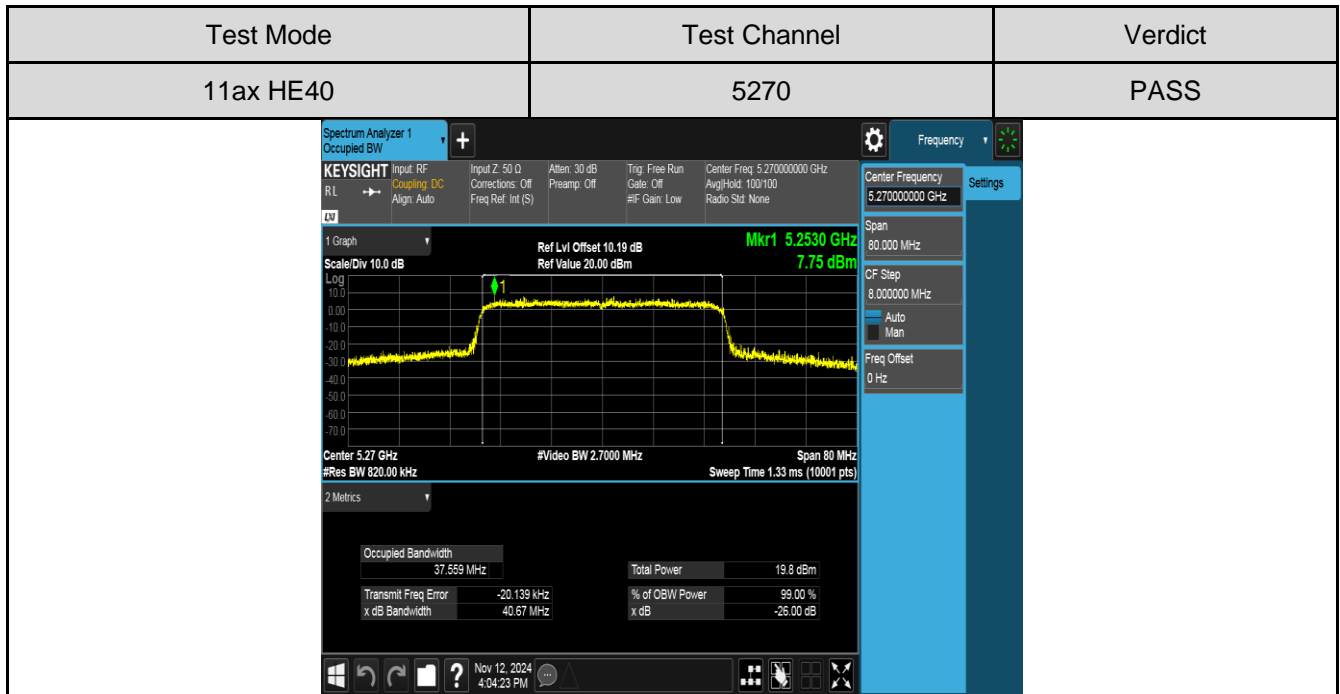
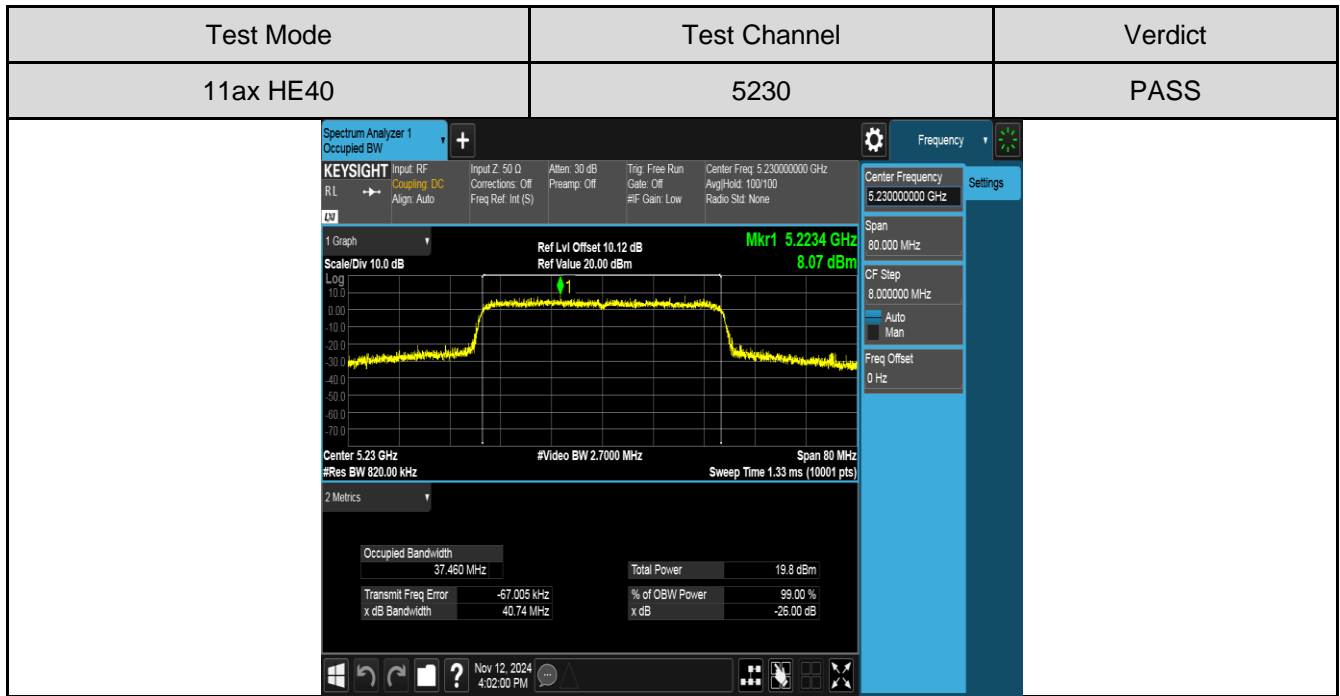
Freq Offset  
0 Hz

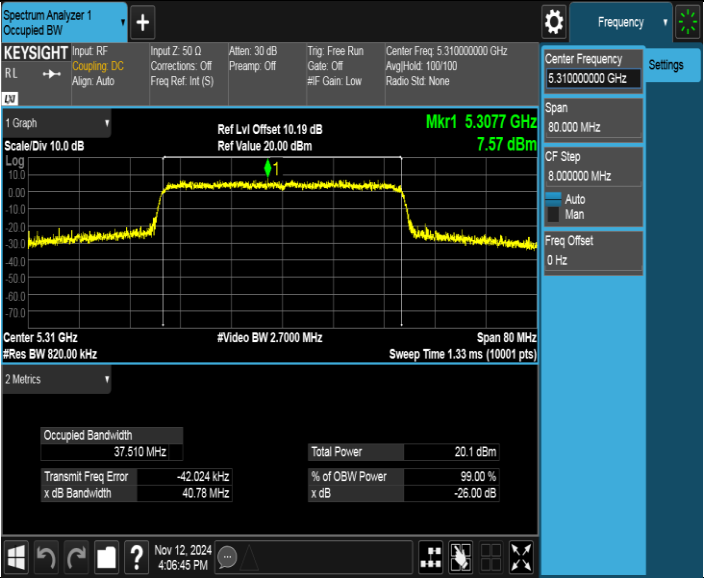
Test Mode	Test Channel	Verdict
11ax HE40	5190	PASS

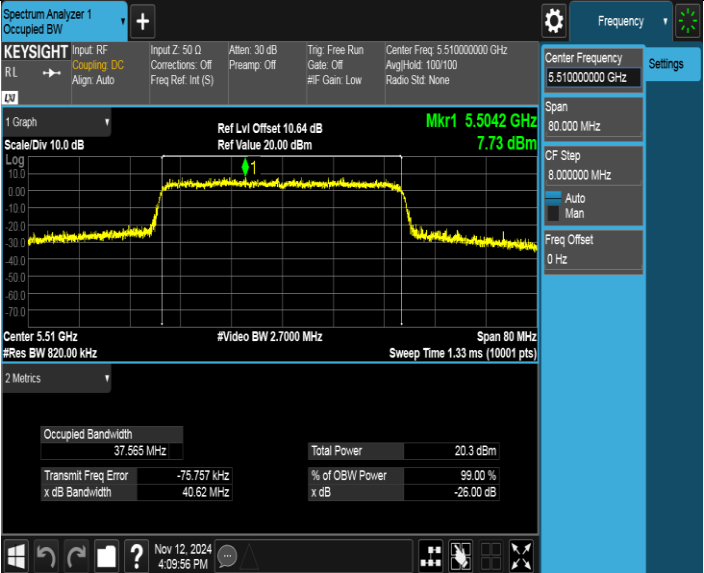
The screenshot displays a Spectrum Analyzer 1 interface with the following details:

- Top Bar:**
  - Left: Spectrum Analyzer 1, Occupied BW
  - Center: Frequency
  - Right: Settings icon
- KEYSIGHT Section:**
  - Input: RF, Coupling: DC, Align: Auto
  - Input Z: 50.0, Corrections: Off, Freq Ref: Int (S)
  - Atten: 30 dB, Preamp: Off
  - Trig: Free Run, Gate: Off, #F Gain: Low
  - Center Freq: 5.190000000 GHz, Avg/Hold: 100/100, Radio Sld: None
- Graph Area:**
  - 1 Graph, Scale/Div: 10.0 dB
  - Ref Lvl Offset: 10.12 dB, Ref Value: 20.00 dBm
  - Signal trace: Yellow line showing a signal peak at 5.1796 GHz with a level of 8.17 dBm.
  - Center: 5.19 GHz, #Video BW: 2.7000 MHz, Span: 60 MHz, #Res BW: 620.0 kHz, Sweep Time: 1.33 ms (10001 pts)
- 2 Metrics Section:**

Occupied Bandwidth	37.544 MHz	Total Power	19.8 dBm
Transmit Freq Error	-5.547 kHz	% of OBW Power	99.00 %
x dB Bandwidth	40.72 MHz	x dB	-26.00 dB
- Right Panel (Settings):**
  - Center Frequency: 5.190000000 GHz
  - Span: 80.000 MHz
  - CF Step: 8.000000 MHz
  - Auto Man (selected)
  - Freq Offset: 0 Hz
- Bottom Bar:**
  - Windows taskbar showing the date and time: Nov 12, 2024, 3:58:24 PM.



Test Mode	Test Channel	Verdict
11ax HE40	5310	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5510	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5550	PASS
<div><div><div><div><div>Spectrum Analyzer 1</div><div>Occupied BW</div></div><div><div>+</div></div></div><div><div>KEYSIGHT</div><div>Input: RF</div><div>Input Z: 50 Ω</div><div>Atten: 30 dB</div><div>Trig: Free Run</div><div>Center Freq: 5.55000000 GHz</div></div><div><div>R/L</div><div>Coupling: DC</div><div>Corrections: Off</div><div>Preamp: Off</div><div>Gate: Off</div><div>Avg/Hold: 100/100</div></div><div><div>Align: Auto</div><div>Freq Ref: Int (S)</div><div>#IF Gain: Low</div><div>Radio Std: None</div></div></div><div><div>1 Graph</div><div>Scale/Div 10.0 dB</div><div>Log</div><div>Ref Lvl Offset 10.64 dB</div><div>Ref Value 20.00 dBm</div><div>Mkr1 5.5392 GHz</div><div>9.29 dBm</div><div>Center 5.55 GHz</div><div>#Res BW 820.00 kHz</div><div>#Video BW 2.7000 MHz</div><div>Span 80 MHz</div><div>Sweep Time 1.33 ms (10001 pts)</div></div><div><div>2 Metrics</div><div>Occupied Bandwidth</div><div>37.532 MHz</div><div>Total Power</div><div>20.8 dBm</div><div>Transmit Freq Error</div><div>-89.514 kHz</div><div>% of OBW Power</div><div>99.00 %</div><div>x dB Bandwidth</div><div>40.87 MHz</div><div>x dB</div><div>-26.00 dB</div></div><div><div>Frequency</div><div>Settings</div><div>Center Frequency</div><div>5.550000000 GHz</div><div>Span</div><div>80.000 MHz</div><div>CF Step</div><div>8.0000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div><div><div>Nov 12, 2024</div><div>4:13:07 PM</div></div></div>		

Test Mode	Test Channel	Verdict
11ax HE40	5670	PASS

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)

Atten: 30 dB  
Preamp: Off

Trig: Free Run  
Gate: Off  
#F Gain: Low

Center Freq: 5.67000000 GHz  
Avg/Hold: 100/100  
Radio Std: None

1 Graph

Ref Lvl Offset 10.53 dB  
Ref Value 20.00 dBm

Mkr1 5.6682 GHz  
8.48 dBm

Scale/Div 10.0 dB

Log

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-70.0

Center 5.67 GHz  
#Res BW 820.00 kHz

#Video BW 2.7000 MHz

Sweep Time 1.33 ms (10001 pts)

Span 80 MHz

2 Metrics

Occupied Bandwidth

37.566 MHz

Total Power

20.4 dBm

Transmit Freq Error

-30.335 kHz

% of OBW Power

99.00 %

x dB Bandwidth

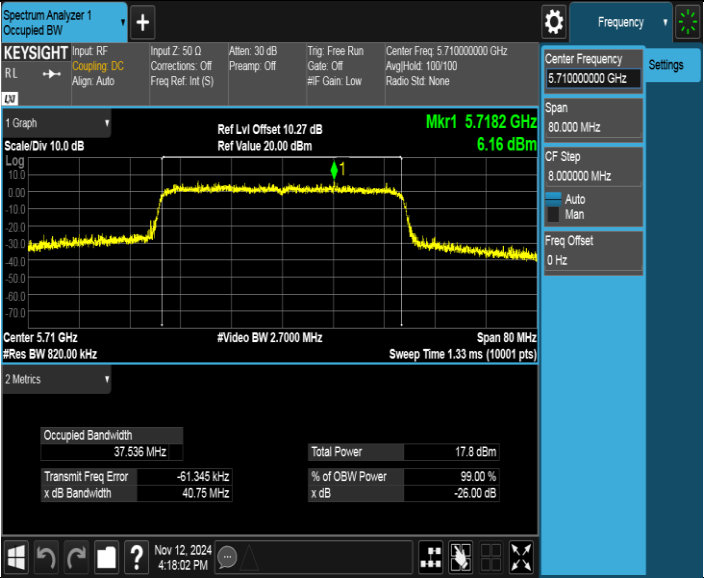
45.79 MHz

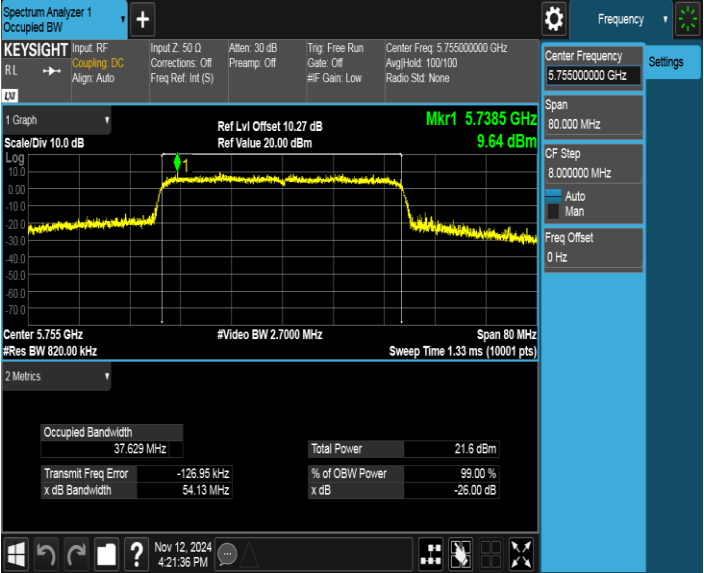
x dB

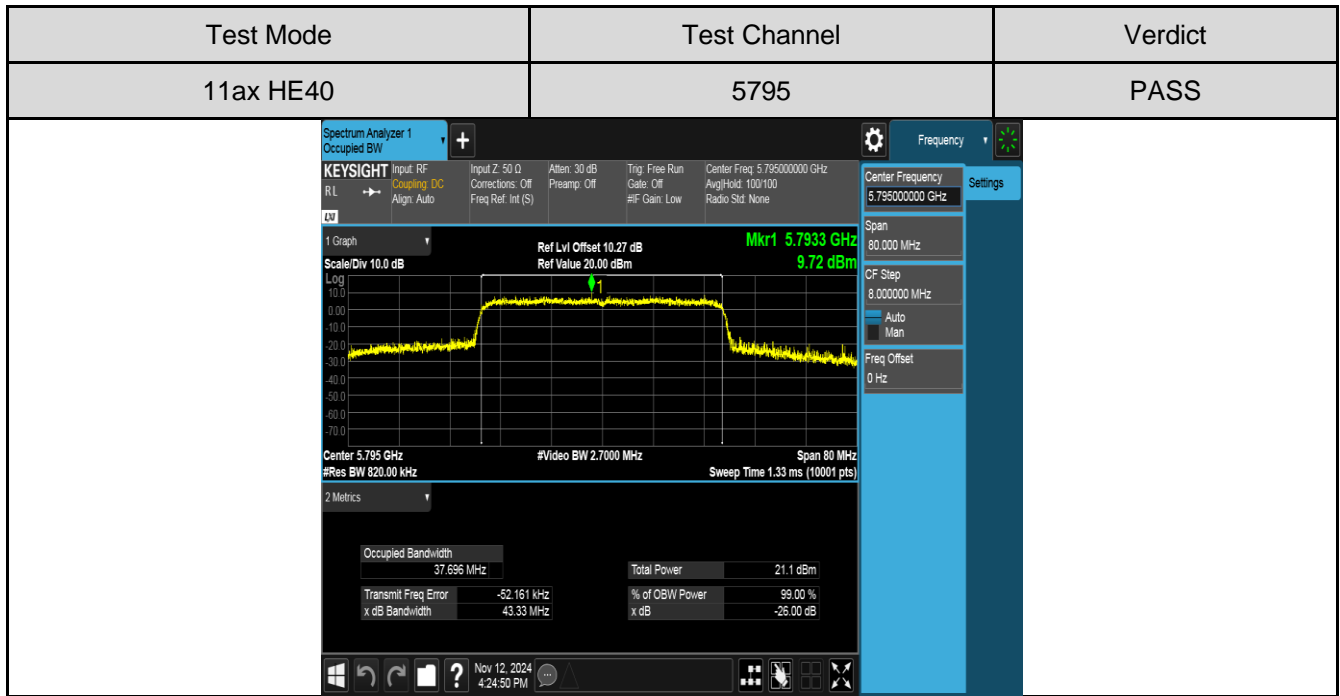
-26.00 dB

Nov 12, 2024  
4:15:25 PM

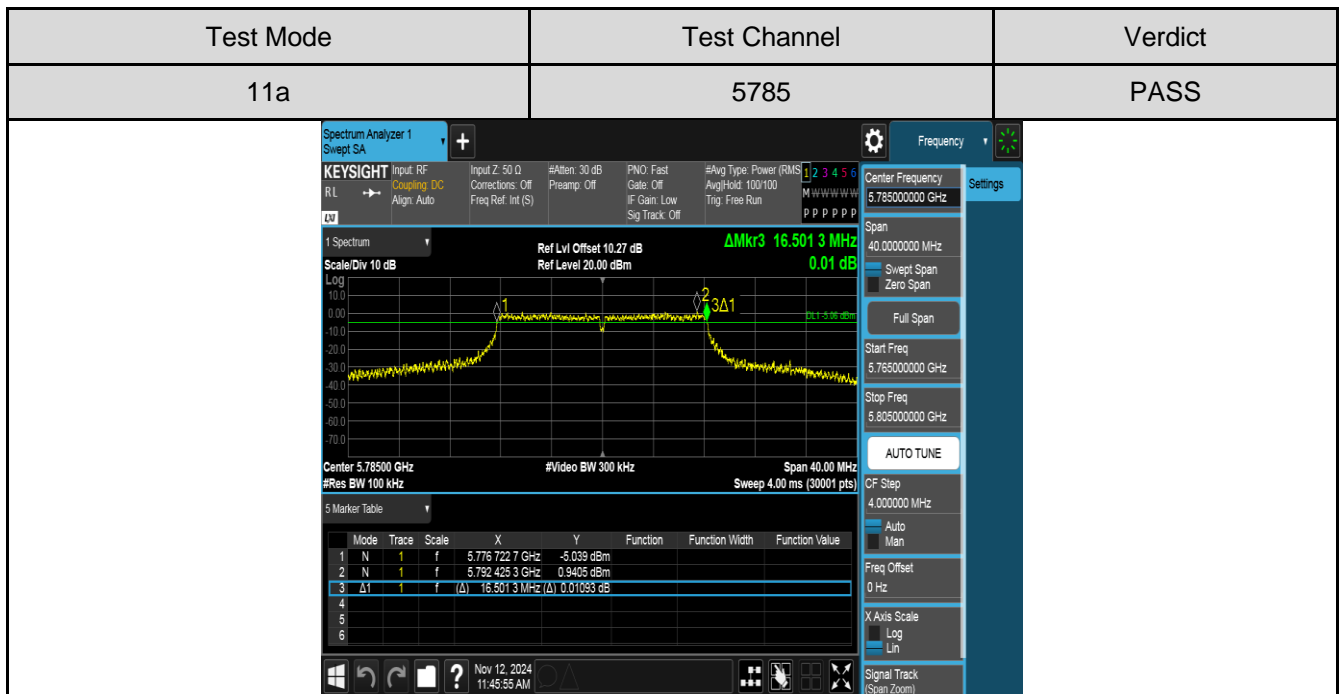
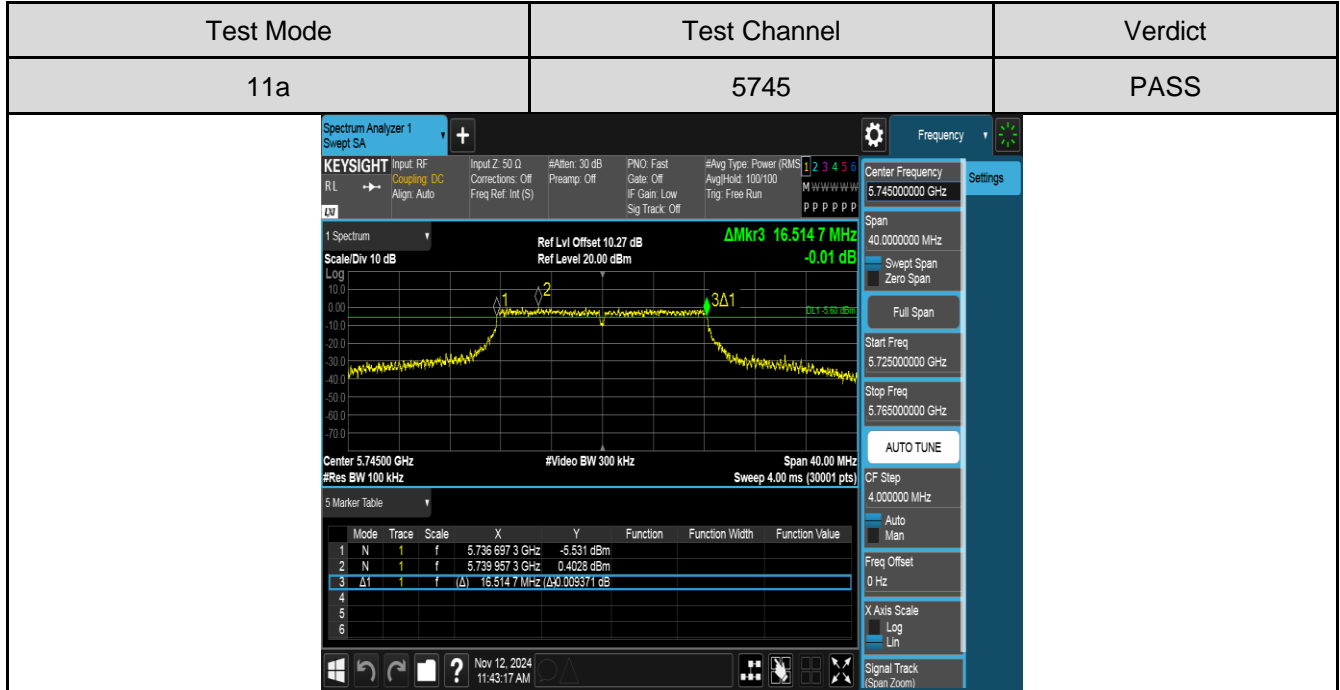


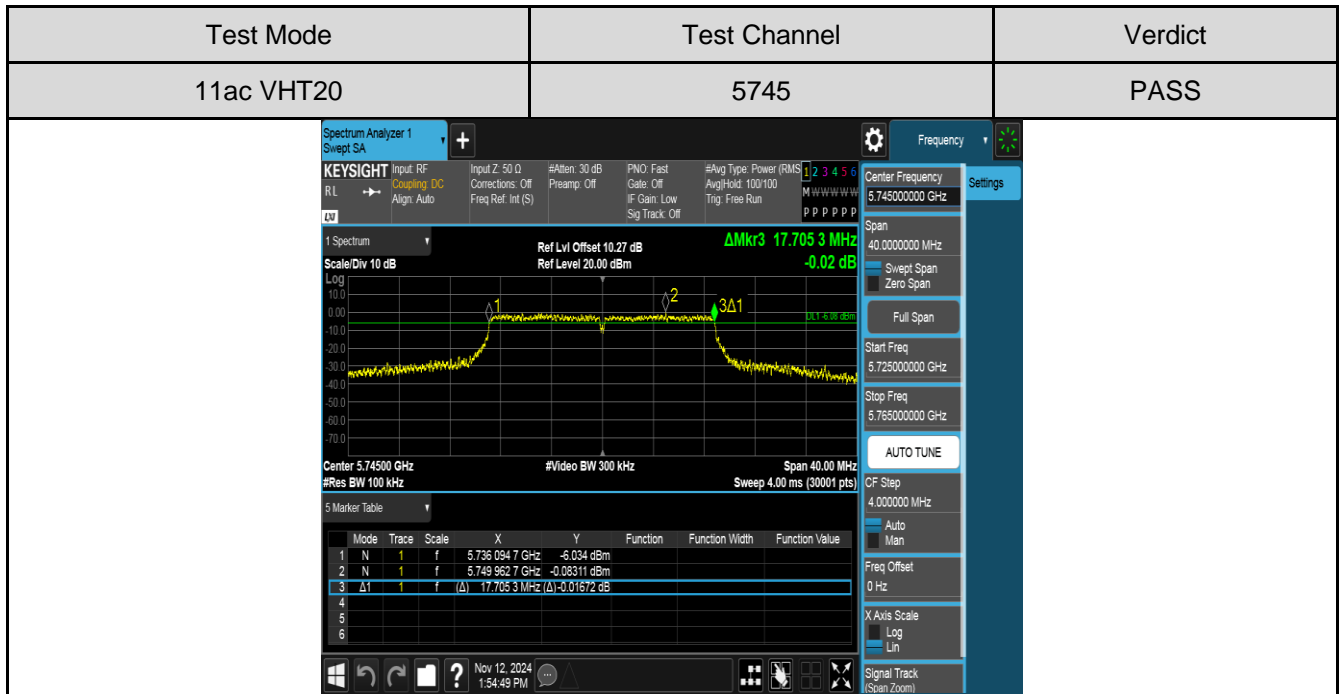
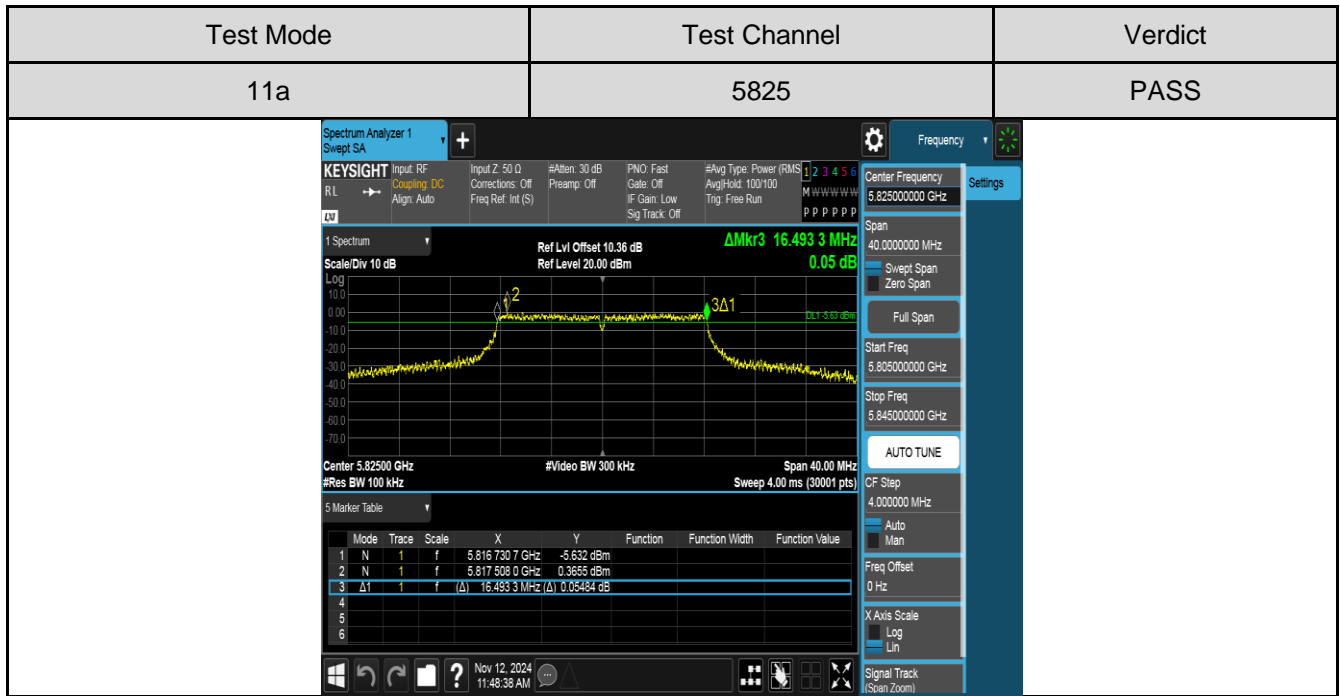
Test Mode	Test Channel	Verdict
11ax HE40	5710	PASS
 <p>The screenshot shows a Spectrum Analyzer interface for a test at 5710 MHz. The main display shows a signal spectrum with a peak at 5.7182 GHz and a power level of 6.16 dBm. The interface includes various settings such as Center Frequency (5.710000000 GHz), Span (80.000 MHz), and Res BW (820.00 kHz). A table of metrics is visible at the bottom, showing Occupied Bandwidth (37.536 MHz), Total Power (17.8 dBm), and other parameters.</p>		

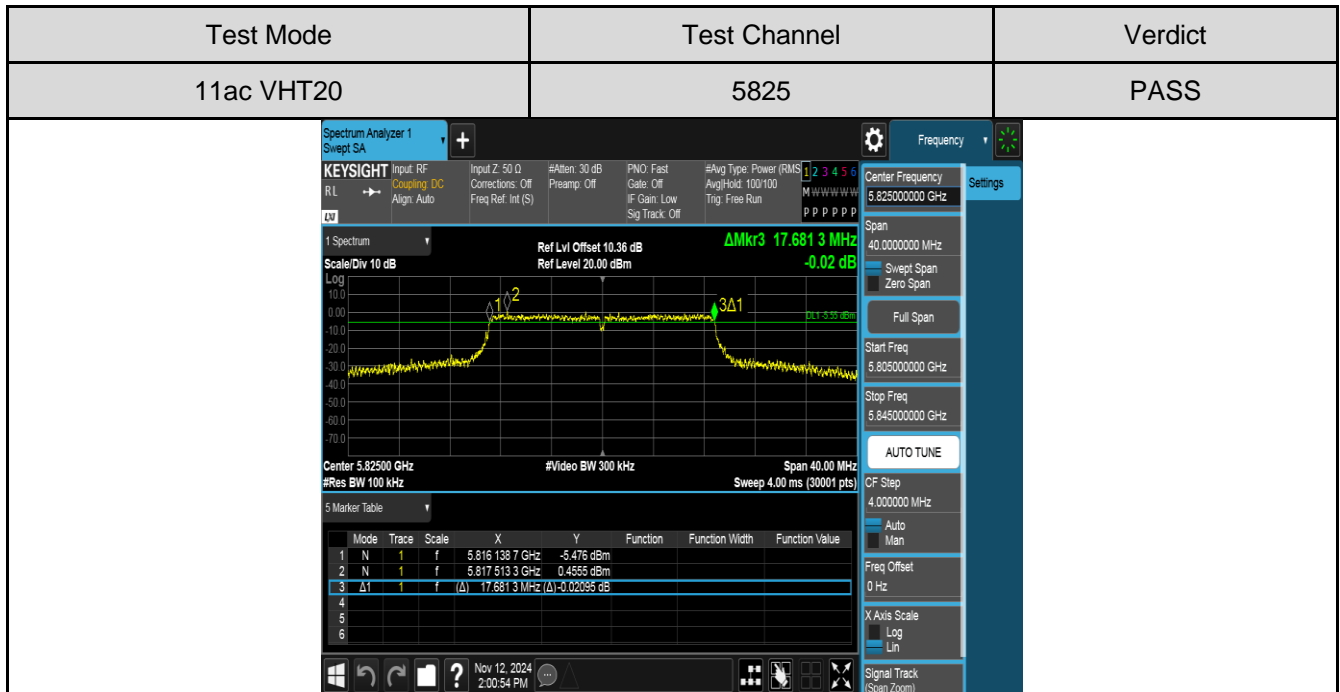
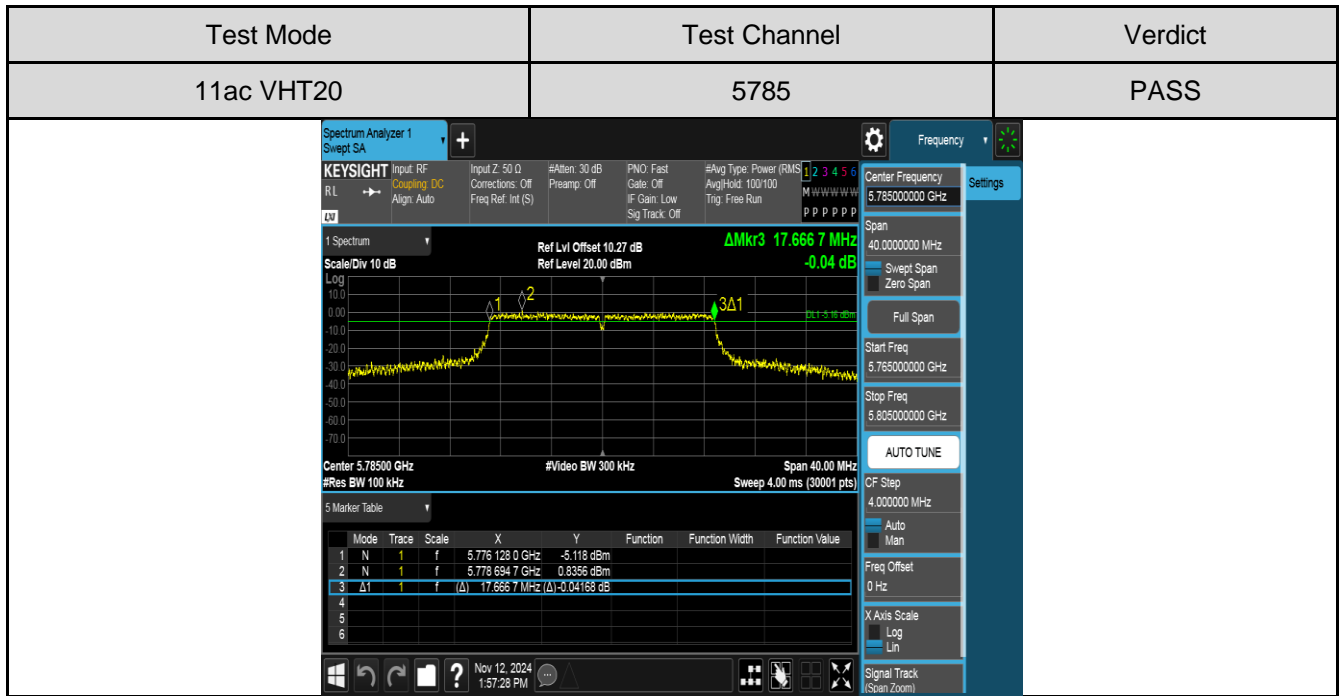
Test Mode	Test Channel	Verdict
11ax HE40	5755	PASS
 <p>The screenshot shows a Spectrum Analyzer interface for a test at 5755 MHz. The main display shows a signal spectrum with a peak at 5.7385 GHz and a power level of 9.64 dBm. The interface includes various settings such as Center Frequency (5.755000000 GHz), Span (80.000 MHz), and Res BW (820.00 kHz). A table of metrics is visible at the bottom, showing Occupied Bandwidth (37.629 MHz), Total Power (21.6 dBm), and other parameters.</p>		

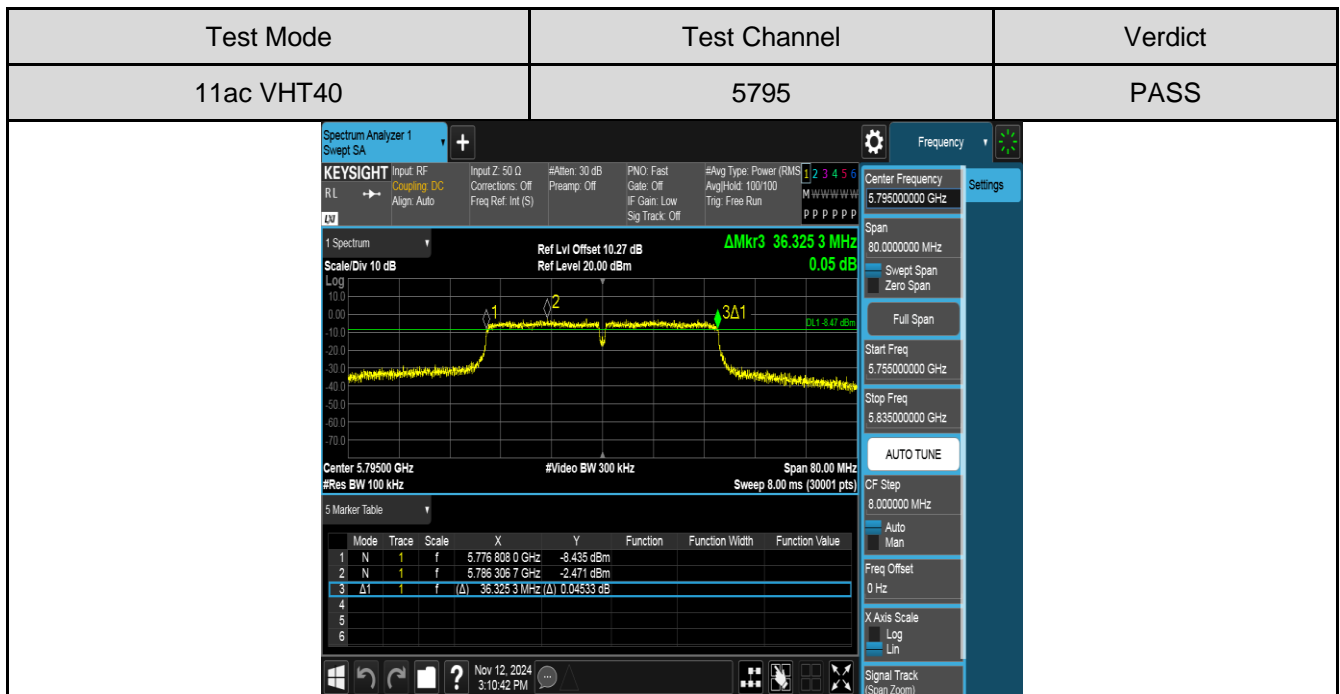
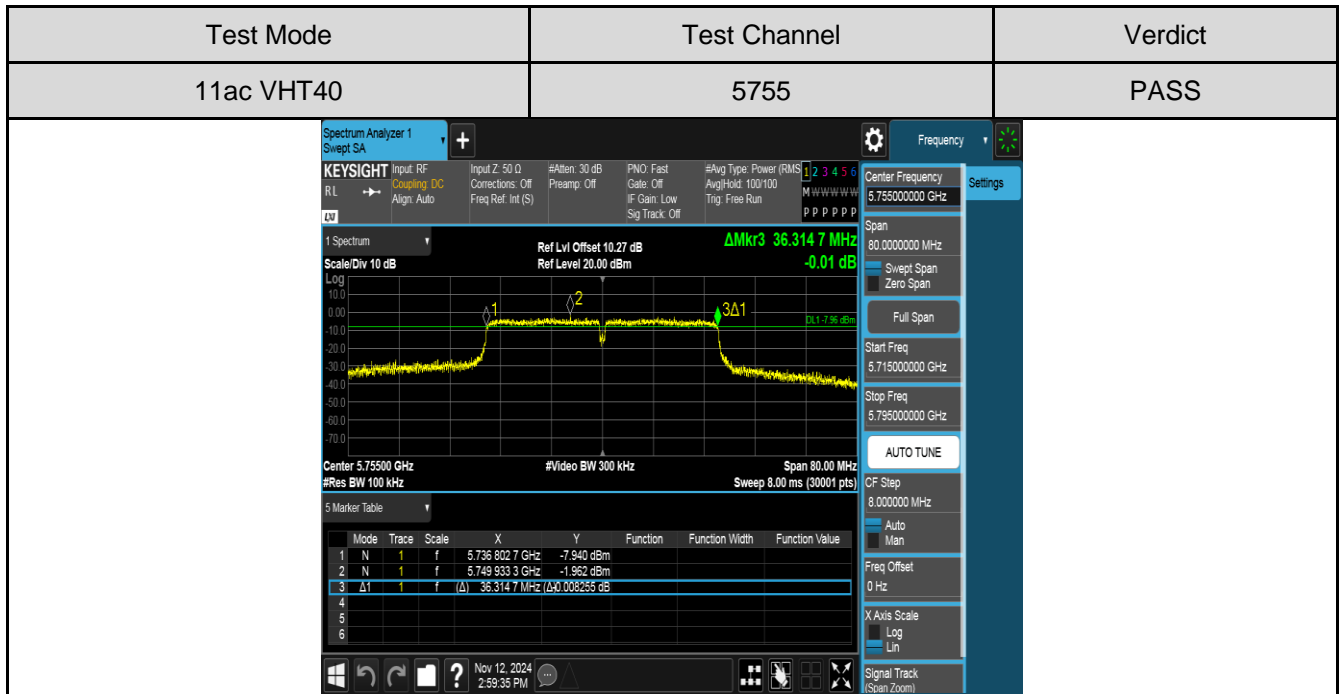


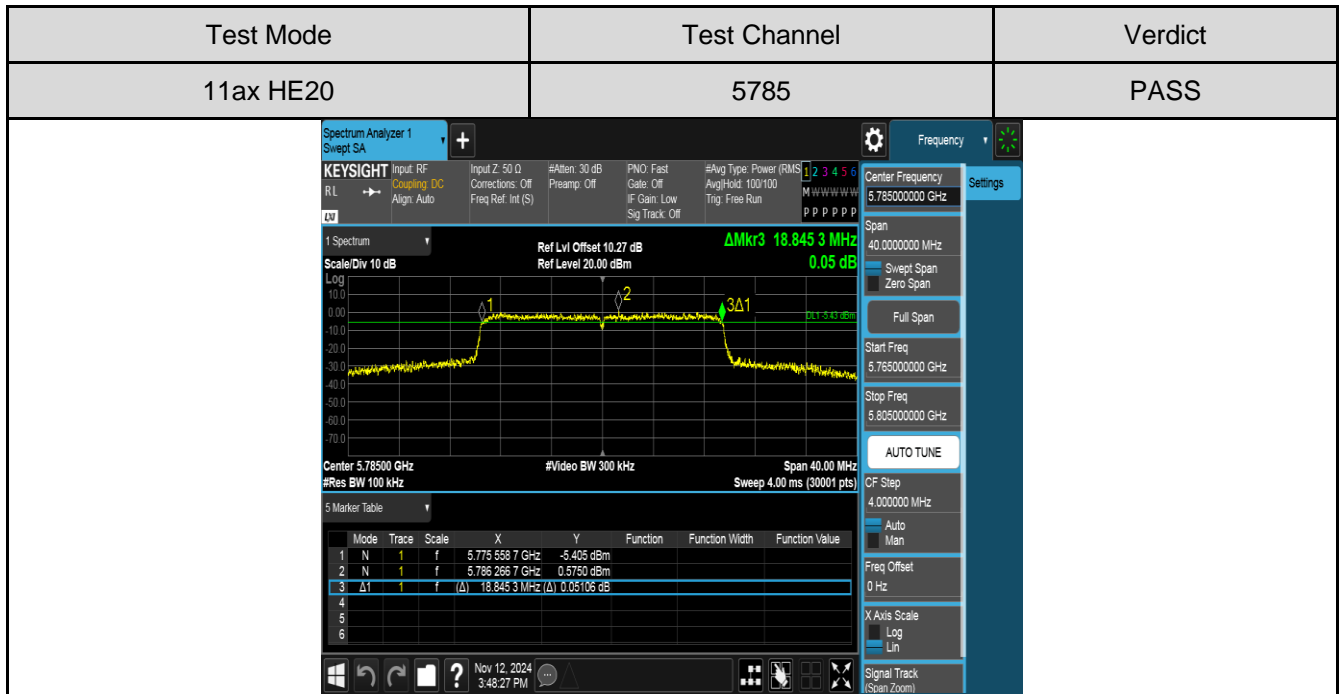
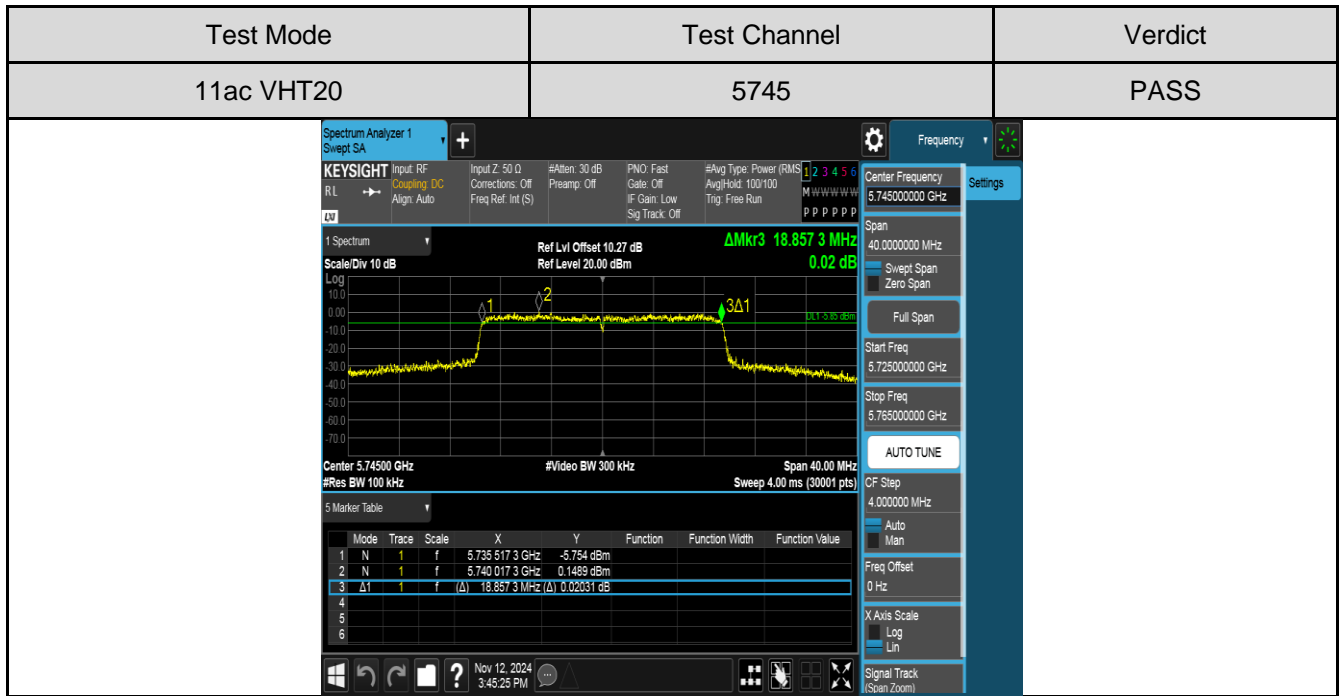
### For 6 dB Emission Bandwidth Part:

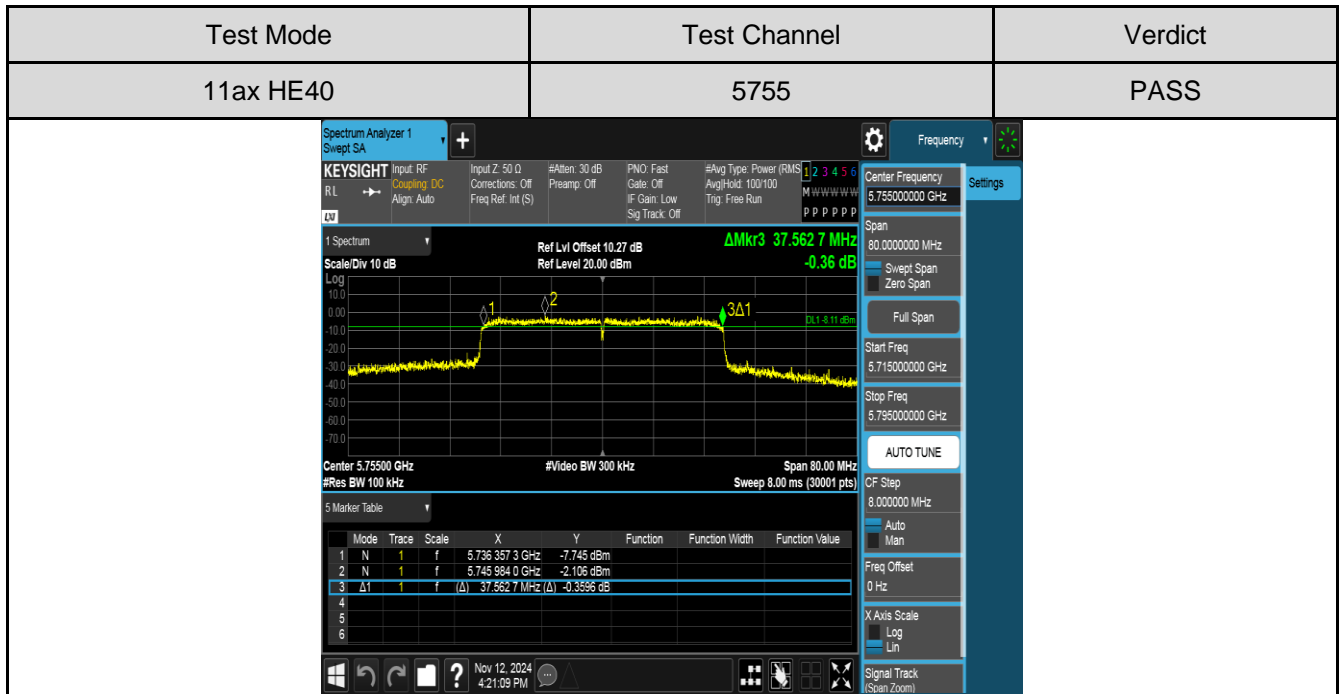
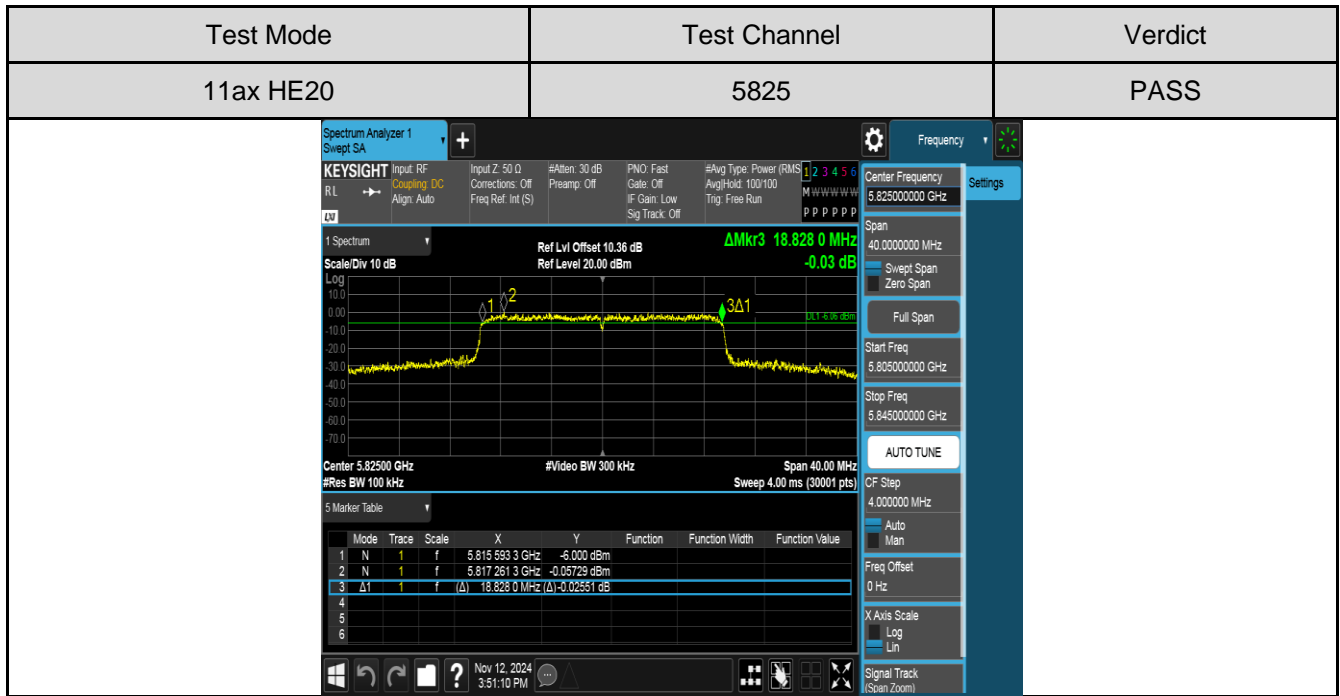




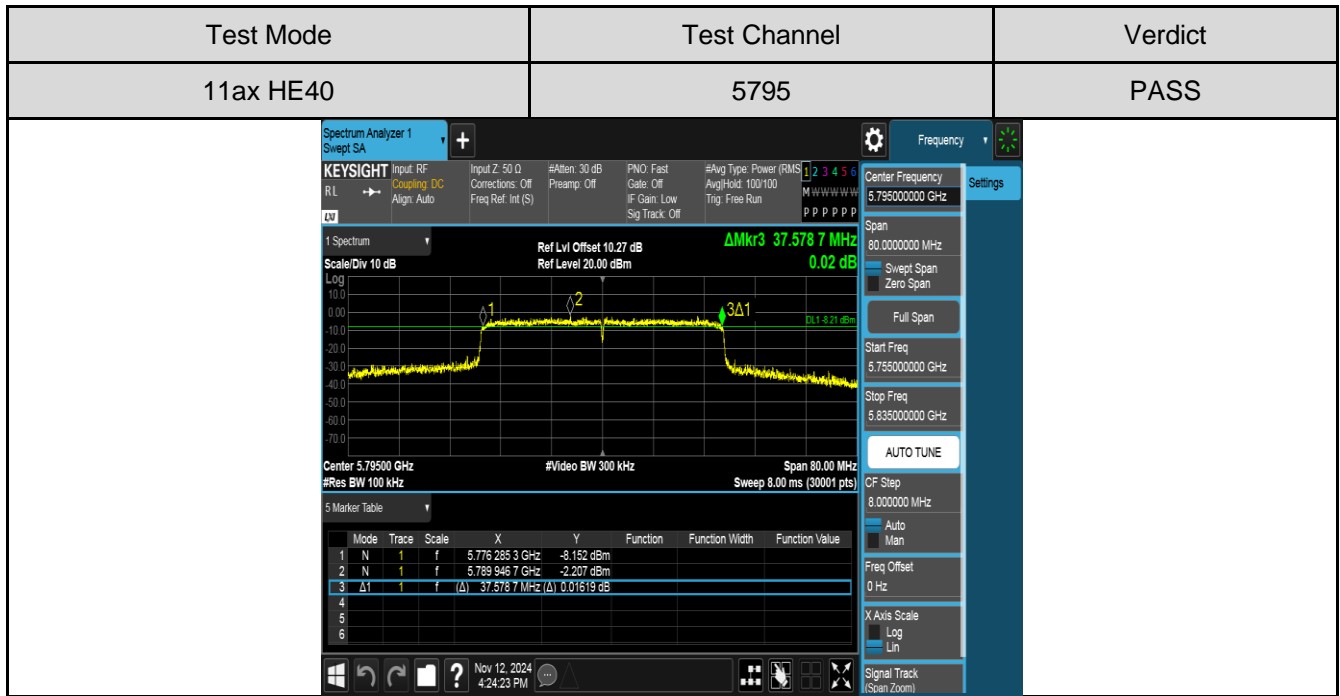












### 6.3. MAXIMUM CONDUCTED AVERAGE OUTPUT POWER

#### LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	<input type="checkbox"/> Outdoor Access Point: 1 W (30 dBm) <input type="checkbox"/> Indoor Access Point: 1 W (30 dBm) <input type="checkbox"/> Fixed Point-To-Point Access Points: 1 W (30 dBm) <input checked="" type="checkbox"/> Client Devices: 250 mW (24 dBm)	5150 ~ 5250
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

ISED RSS-247 ISSUE 3		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power or e.i.r.p.	The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or 10 + 10 log <sub>10</sub> B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz.	5150 ~ 5250
	a. The maximum conducted output power shall not exceed 250 mW (24 dBm) or 11 + 10 log <sub>10</sub> B dBm, whichever is less.  b. The maximum e.i.r.p. shall not exceed 1.0 W (30 dBm) or 17 + 10 log <sub>10</sub> B dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.	5250 ~ 5350 5470 ~ 5600 5650 ~ 5725
	Shall not exceed 1 Watt (30 dBm). The e.i.r.p. shall not exceed 4 W	5725 ~ 5850

**Note:**

The above limits are based upon the maximum antenna gain does not exceed 6 dBi.

If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

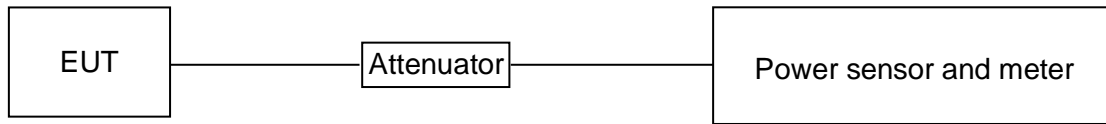
**TEST PROCEDURE**

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

**Method AVGSA-2 (trace averaging across ON and OFF times of the EUT transmissions, followed by duty cycle correction):**

- a) Measure the duty cycle D of the transmitter output signal as described in 11.6.
- b) Set span to at least 1.5 times the OBW.
- c) Set RBW = 1% to 5% of the OBW, not to exceed 1 MHz.
- d) Set VBW  $\geq [3 \times \text{RBW}]$ .
- e) Number of points in sweep  $\geq [2 \times \text{span} / \text{RBW}]$ . (This gives bin-to-bin spacing  $\leq \text{RBW} / 2$ , so that narrowband signals are not lost between frequency bins.)
- f) Sweep time = auto.
- g) Detector = RMS (i.e., power averaging), if available. Otherwise, use the sample detector mode.
- h) Do not use sweep triggering. Allow the sweep to “free run.”
- i) Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.
- j) Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
- k) Add  $[10 \log (1 / D)]$ , where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the ON and OFF times of the transmission). For example, add  $[10 \log (1/0.25)] = 6 \text{ dB}$  if the duty cycle is 25%.

## TEST SETUP



## TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	60%
Atmospheric Pressure:	101kPa
Temperature	22.2°C
Test Voltage	AC 120V
Test Date	11/12/2024

## TEST RESULT TABLE

Mode	Frequency	Measurement Output Power	Duty Cycle Correction Factor	Average Conducted Output Power	FCC Power Limit	ISED Power Limit	Antenna Gain	EIRP	ISED EIRP Limit
	MHz	dBm	dB	dBm	dBm	dBm	dBd	dBm	dBm
11a	5180	13.20	0	13.20	24.00	/	2.66	15.86	22.31
	5200	13.35	0	13.35	24.00	/	2.66	16.01	22.31
	5240	12.93	0	12.93	24.00	/	2.66	15.59	22.31
	5260	13.25	0	13.25	24.00	23.32	2.66	15.91	29.32
	5280	13.16	0	13.16	24.00	23.31	2.66	15.82	29.31
	5320	13.54	0	13.54	24.00	23.32	2.66	16.20	29.32
	5500	13.66	0	13.66	24.00	23.31	2.66	16.32	29.31
	5580	12.85	0	12.85	24.00	23.31	2.66	15.51	29.31
	5700	12.54	0	12.54	24.00	23.31	2.66	15.20	29.31
	5720_ UNII-2C	11.11	0	11.11	22.82	22.32	2.66	13.77	28.32
	5720_ UNII-3	4.98	0	4.98	30.00	/	2.66	7.64	36.00
	5745	13.26	0	13.26	30.00	/	2.66	15.92	36.00
	5785	13.91	0	13.91	30.00	/	2.66	16.57	36.00
	5825	13.38	0	13.38	30.00	/	2.66	16.04	36.00

Mode	Frequency	Measurement Output Power	Duty Cycle Correction Factor	Average Conducted Output Power	FCC Power Limit	ISED Power Limit	Antenna Gain	EIRP	ISED EIRP Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ac VHT20	5180	13.49	0	13.49	24.00	/	2.66	16.15	22.54
	5200	13.60	0	13.60	24.00	/	2.66	16.26	22.55
	5240	13.16	0	13.16	24.00	/	2.66	15.82	22.53
	5260	13.46	0	13.46	24.00	23.54	2.66	16.12	29.54
	5280	13.36	0	13.36	24.00	23.53	2.66	16.02	29.53
	5320	13.72	0	13.72	24.00	23.54	2.66	16.38	29.54
	5500	13.69	0	13.69	24.00	23.54	2.66	16.35	29.54
	5580	13.04	0	13.04	24.00	23.54	2.66	15.70	29.54
	5700	12.72	0	12.72	24.00	23.53	2.66	15.38	29.53
	5720_UNII-2C	11.12	0	11.12	22.93	22.47	2.66	13.78	28.47
	5720_UNII-3	5.52	0	5.52	30.00	/	2.66	8.180	36.00
	5745	13.39	0	13.39	30.00	/	2.66	16.05	36.00
	5785	14.02	0	14.02	30.00	/	2.66	16.68	36.00
	5825	13.51	0	13.51	30.00	/	2.66	16.17	36.00

Mode	Frequency	Measurement Output Power	Duty Cycle Correction Factor	Average Conducted Output Power	FCC Power Limit	ISED Power Limit	Antenna Gain	EIRP	ISED EIRP Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ac VHT40	5190	12.66	0	12.66	24.00	24.00	2.66	15.32	23.00
	5230	13.01	0	13.01	24.00	24.00	2.66	15.67	23.00
	5270	13.11	0	13.11	24.00	24.00	2.66	15.77	30.00
	5310	13.48	0	13.48	24.00	24.00	2.66	16.14	30.00
	5510	13.25	0	13.25	24.00	24.00	2.66	15.91	30.00
	5550	13.59	0	13.59	24.00	24.00	2.66	16.25	30.00
	5670	12.89	0	12.89	24.00	24.00	2.66	15.55	30.00
	5710_UNII-2C	11.49	0	11.49	24.00	24.00	2.66	14.15	30.00
	5710_UNII-3	0.31	0	0.31	30.00	/	2.66	2.97	36.00
	5755	13.96	0	13.96	30.00	/	2.66	16.62	36.00
	5795	13.70	0	13.70	30.00	/	2.66	16.36	36.00

Mode	Frequency	Measurement Output Power	Duty Cycle Correction Factor	Average Conducted Output Power	FCC Power Limit	ISED Power Limit	Antenna Gain	EIRP	ISED EIRP Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ax HE20	5180	12.96	0	12.96	24.00	/	2.66	15.62	22.75
	5200	13.17	0	13.17	24.00	/	2.66	15.83	22.76
	5240	12.78	0	12.78	24.00	/	2.66	15.44	22.75
	5260	13.10	0	13.10	24.00	23.76	2.66	15.76	29.76
	5280	13.03	0	13.03	24.00	23.76	2.66	15.69	29.76
	5320	13.43	0	13.43	24.00	23.77	2.66	16.09	29.77
	5500	13.57	0	13.57	24.00	23.77	2.66	16.23	29.77
	5580	12.78	0	12.78	24.00	23.76	2.66	15.44	29.76
	5700	12.41	0	12.41	24.00	23.76	2.66	15.07	29.76
	5720_UNII-2C	10.91	0	10.91	22.85	22.61	2.66	13.57	28.61
	5720_UNII-3	5.54	0	5.54	30.00	/	2.66	8.20	36.00
	5745	13.17	0	13.17	30.00	/	2.66	15.83	36.00
	5785	13.84	0	13.84	30.00	/	2.66	16.50	36.00
	5825	13.31	0	13.31	30.00	/	2.66	15.97	36.00

Mode	Frequency	Measurement Output Power	Duty Cycle Correction Factor	Average Conducted Output Power	FCC Power Limit	ISED Power Limit	Antenna Gain	EIRP	ISED EIRP Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ax HE40	5190	12.77	0	12.77	24.00	24.00	2.66	15.43	23.00
	5230	12.90	0	12.90	24.00	24.00	2.66	15.56	23.00
	5270	13.01	0	13.01	24.00	24.00	2.66	15.67	30.00
	5310	13.38	0	13.38	24.00	24.00	2.66	16.04	30.00
	5510	13.18	0	13.18	24.00	24.00	2.66	15.84	30.00
	5550	13.59	0	13.59	24.00	24.00	2.66	16.25	30.00
	5670	12.89	0	12.89	24.00	24.00	2.66	15.55	30.00
	5710_UNII-2C	9.83	0	9.83	24.00	24.00	2.66	12.49	30.00
	5710_UNII-3	-1.14	0	-1.14	30.00	/	2.66	1.52	36.00
	5755	13.92	0	13.92	30.00	/	2.66	16.58	36.00
	5795	13.74	0	13.74	30.00	/	2.66	16.40	36.00

### TEST GRAPHS

