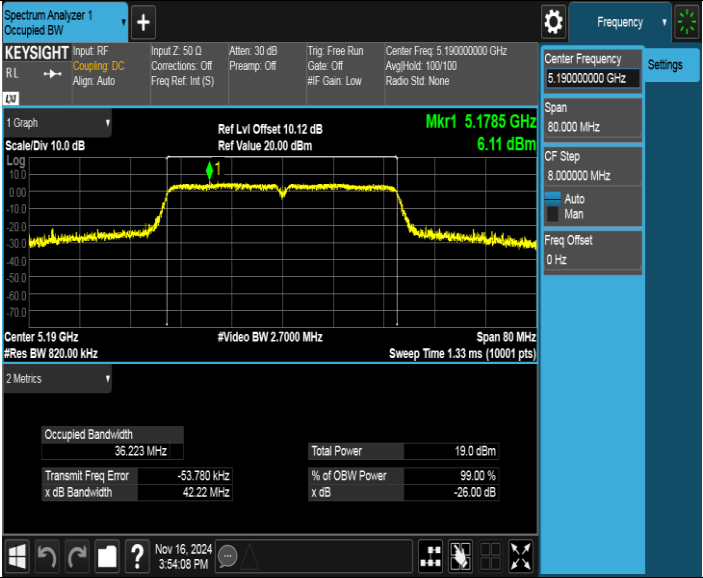
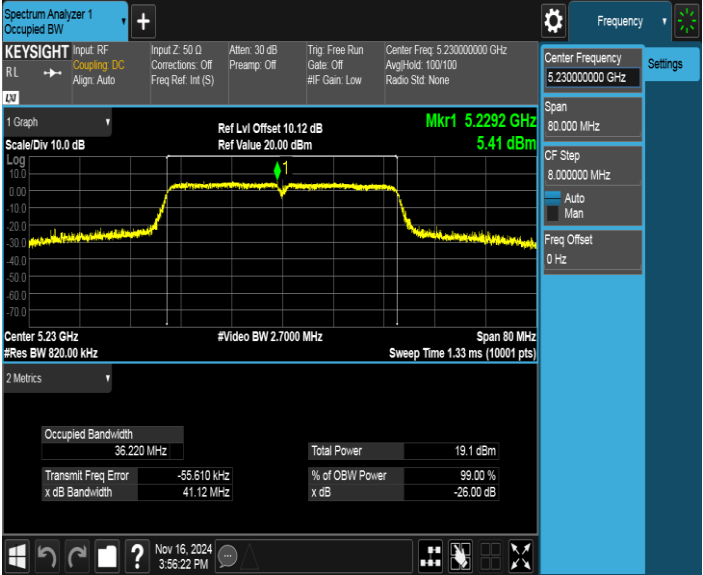
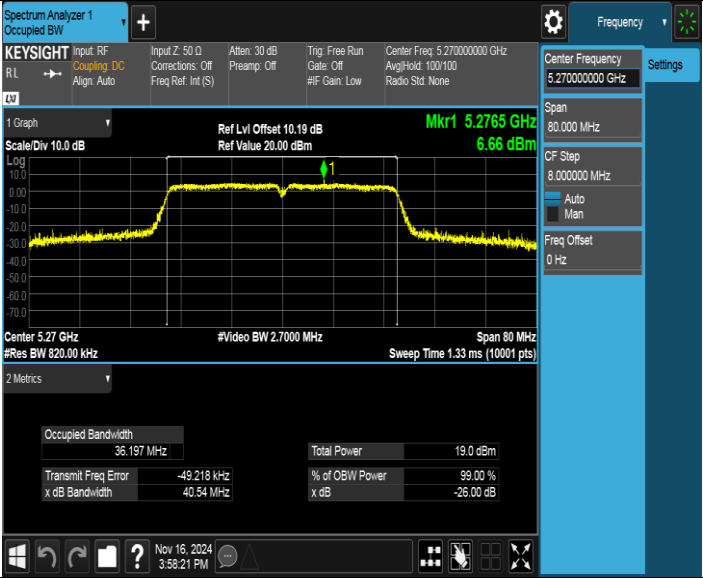
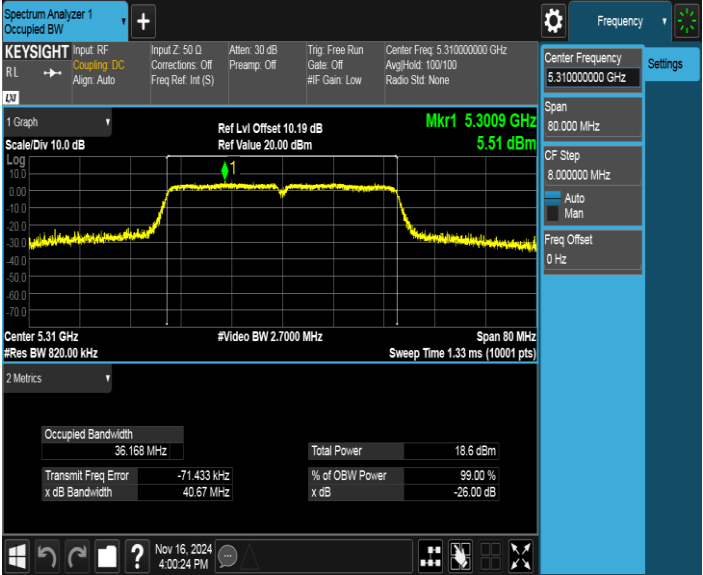
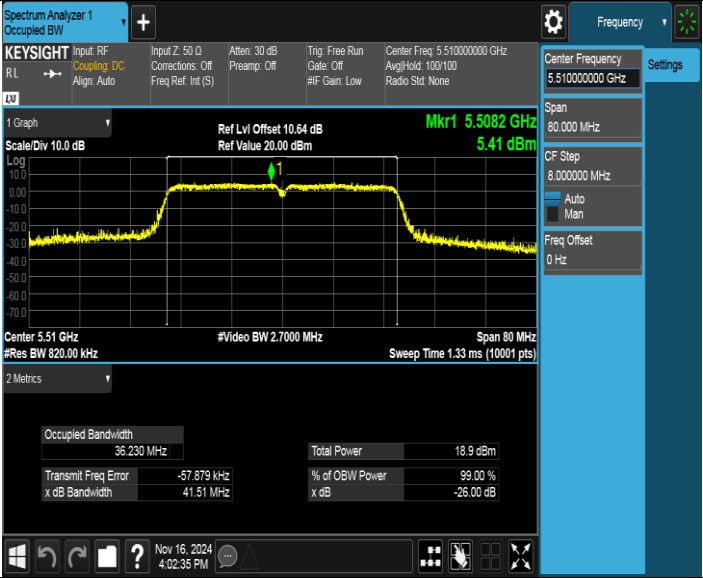


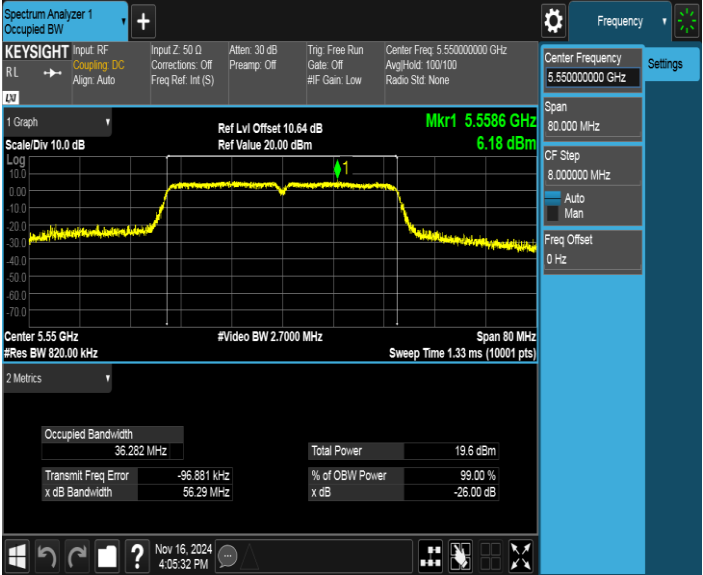
Test Mode	Test Channel	Verdict
11ac VHT40	5190	PASS
		

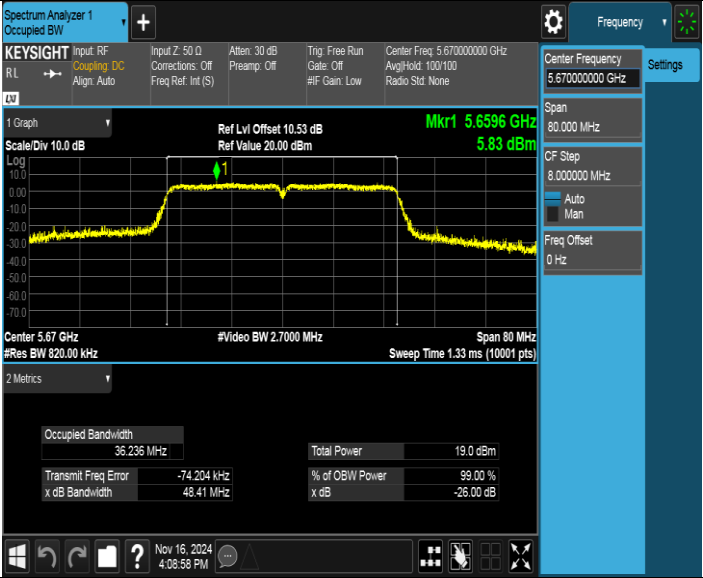
Test Mode	Test Channel	Verdict
11ac VHT40	5230	PASS
		

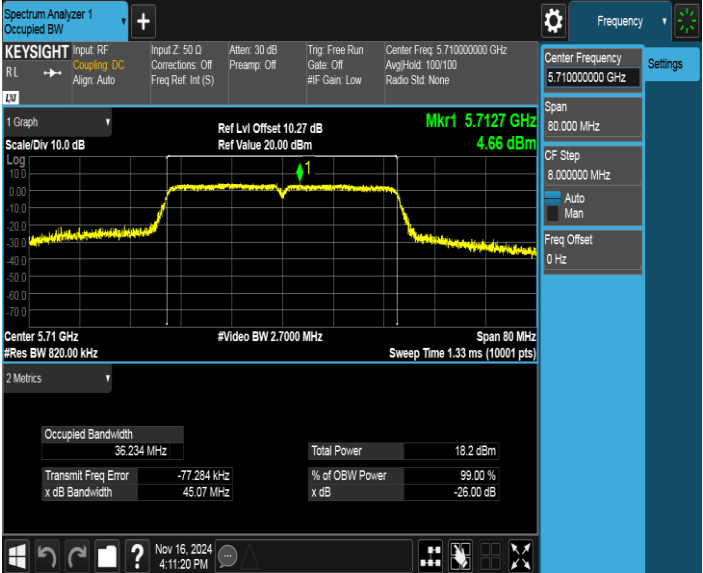
Test Mode	Test Channel	Verdict
11ac VHT40	5270	PASS
 Spectrum Analyzer 1 KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 5.27000000 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.19 dB Mkr1: 5.2765 GHz 6.66 dBm Ref Value: 20.00 dBm Center: 5.27 GHz #Video BW: 2.7000 MHz Span: 80 MHz #Res BW: 820.00 kHz Sweep Time: 1.33 ms (10001 pts) 2 Metrics Occupied Bandwidth: 36.197 MHz Total Power: 19.0 dBm Transmit Freq Error: -49.218 kHz % of OBIW Power: 99.00 % x dB Bandwidth: 40.54 MHz x dB: -26.00 dB Nov 16, 2024 3:58:21 PM		

Test Mode	Test Channel	Verdict
11ac VHT40	5310	PASS
 Spectrum Analyzer 1 KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 5.31000000 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.19 dB Mkr1: 5.3009 GHz 5.51 dBm Ref Value: 20.00 dBm Center: 5.31 GHz #Video BW: 2.7000 MHz Span: 80 MHz #Res BW: 820.00 kHz Sweep Time: 1.33 ms (10001 pts) 2 Metrics Occupied Bandwidth: 36.168 MHz Total Power: 18.6 dBm Transmit Freq Error: -71.433 kHz % of OBIW Power: 99.00 % x dB Bandwidth: 40.67 MHz x dB: -26.00 dB Nov 16, 2024 4:00:24 PM		

Test Mode	Test Channel	Verdict
11ac VHT40	5510	PASS
		

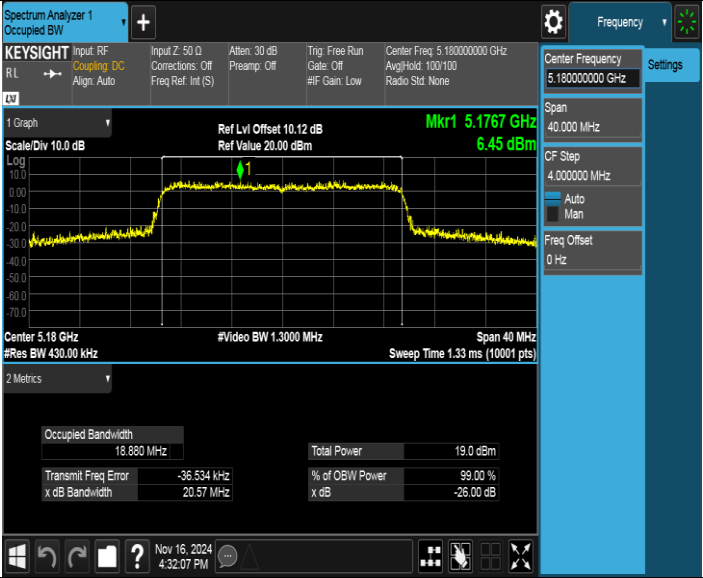
Test Mode	Test Channel	Verdict
11ac VHT40	5550	PASS
		

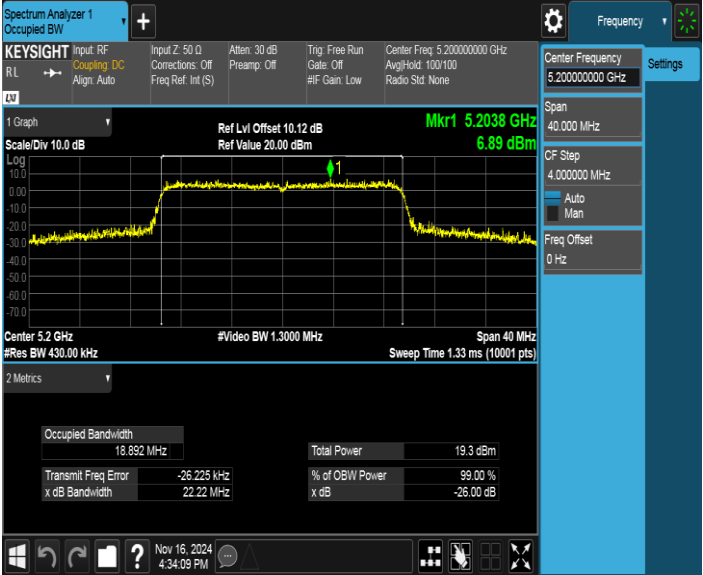
Test Mode	Test Channel	Verdict
11ac VHT40	5670	PASS
 Spectrum Analyzer 1 KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 5.67000000 GHz R/L → Coupling: DC Corrections: Off Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 100/100 Radio Std: None Align: Auto 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.53 dB Mkr1: 5.6596 GHz 5.83 dBm Center: 5.67 GHz #Video BW: 2.7000 MHz Span: 80 MHz #Res BW: 820.00 kHz Sweep Time: 1.33 ms (10001 pts) 2 Metrics Occupied Bandwidth: 36.236 MHz Total Power: 19.0 dBm Transmit Freq Error: -74.204 MHz % of OBIW Power: 99.00 % x dB Bandwidth: 48.41 MHz x dB: -26.00 dB		

Test Mode	Test Channel	Verdict
11ac VHT40	5710	PASS
 Spectrum Analyzer 1 KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 5.71000000 GHz R/L → Coupling: DC Corrections: Off Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 100/100 Radio Std: None Align: Auto 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.27 dB Mkr1: 5.7127 GHz 4.66 dBm Center: 5.71 GHz #Video BW: 2.7000 MHz Span: 80 MHz #Res BW: 820.00 kHz Sweep Time: 1.33 ms (10001 pts) 2 Metrics Occupied Bandwidth: 36.234 MHz Total Power: 18.2 dBm Transmit Freq Error: -77.284 MHz % of OBIW Power: 99.00 % x dB Bandwidth: 45.07 MHz x dB: -26.00 dB		

Test Mode	Test Channel	Verdict
11ac VHT40	5755	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: 5.75500000 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 5.7465 GHz 6.54 dBm Center 5.755 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 36.391 MHz Total Power 20.3 dBm Transmit Freq Error -135.02 kHz % of OBIW Power 99.00 % x dB Bandwidth 60.45 MHz x dB -26.00 dB Frequency Settings Center Frequency 5.755000000 GHz Span 80.000 MHz CF Step 8.0000000 MHz Auto Man Freq Offset 0 Hz Nov 16, 2024 4:17:17 PM		

Test Mode	Test Channel	Verdict
11ac VHT40	5795	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: 5.795000000 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 10.27 dB Ref Value 20.00 dBm Mkr1 5.7899 GHz 6.21 dBm Center 5.795 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 36.325 MHz Total Power 19.7 dBm Transmit Freq Error -55.536 kHz % of OBIW Power 99.00 % x dB Bandwidth 59.24 MHz x dB -26.00 dB Settings Center Frequency 5.795000000 GHz Span 80.000 MHz CF Step 8.0000000 MHz Auto Man Freq Offset 0 Hz Nov 16, 2024 4:19:53 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	5240	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: 5.24000000 GHz Avg/Hold: 100/100 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 10.12 dB Ref Value 20.00 dBm Mkr1 5.2455 GHz 6.40 dBm Center 5.24 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 18.907 MHz Transmit Freq Error -34.909 kHz x dB Bandwidth 20.61 MHz Total Power 18.9 dBm % of OBIW Power 99.00 % x dB -26.00 dB Frequency Settings Center Frequency 5.240000000 GHz Span 40.000 MHz CF Step 4.0000000 MHz Auto Man Freq Offset 0 Hz Nov 16, 2024 4:36:10 PM		

Test Mode	Test Channel	Verdict
11ax HE20	5260	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: 5.260000000 GHz Avg/Hold: 100/100 Radio Std: None 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.12 dB Ref Value: 20.00 dBm Mkr1: 5.2677 GHz 7.22 dBm Center: 5.26 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 18.875 MHz Total Power 19.3 dBm Transmit Freq Error -46.445 kHz % of OBIW Power 99.00 % x dB Bandwidth 20.61 MHz x dB -26.00 dB Frequency Settings Center Frequency 5.260000000 GHz Span 40.000 MHz CF Step 4.0000000 MHz Auto Man Freq Offset 0 Hz Nov 16, 2024 4:39:28 PM		

Test Mode	Test Channel	Verdict
11ax HE20	5280	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: 5.28000000 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 5.2849 GHz
6.62 dBm

Center 5.28 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
18.899 MHz

Total Power
19.3 dBm

Transmit Freq Error
-45.925 kHz

% of OBIW Power
99.00 %

x dB Bandwidth
20.69 MHz

x dB
-26.00 dB

Frequency

Settings

Center Frequency
5.280000000 GHz

Span
40.000 MHz

CF Step
4.0000000 MHz

Auto
Man

Freq Offset
0 Hz

Nov 16, 2024
4:42:19 PM

Test Mode	Test Channel	Verdict
11ax HE20	5320	PASS
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF 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: 5.32000000 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 5.3150 GHz 6.65 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 18.854 MHz Total Power 18.8 dBm Transmit Freq Error -53.425 kHz % of OBIW Power 99.00 % x dB Bandwidth 20.76 MHz x dB -26.00 dB Frequency Settings Center Frequency 5.320000000 GHz Span 40.000 MHz CF Step 4.0000000 MHz Auto Man Freq Offset 0 Hz Nov 16, 2024 4:44:27 PM		

Test Mode	Test Channel	Verdict
11ax HE20	5500	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: 5.500000000 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 5.4951 GHz
7.06 dBm

Center 5.5 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

18.881 MHz

Total Power

19.5 dBm

Transmit Freq Error

-44.046 kHz

% of OBIW Power

99.00 %

x dB Bandwidth

20.66 MHz

x dB

-26.00 dB

Frequency

Settings

Center Frequency

5.500000000 GHz

Span

40.000 MHz

CF Step

4.0000000 MHz

Auto

Man

Freq Offset

0 Hz

Nov 16, 2024

4:48:09 PM

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
#IF Gain: Low

Center Freq: 5.580000000 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: 5.5753 GHz
6.67 dBm

Center: 5.58 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
18.894 MHz

Total Power
19.0 dBm

Transmit Freq Error
-58.352 kHz

% of OBIW Power
99.00 %

x dB Bandwidth
21.05 MHz

x dB
-26.00 dB

Frequency

Settings

Center Frequency
5.580000000 GHz

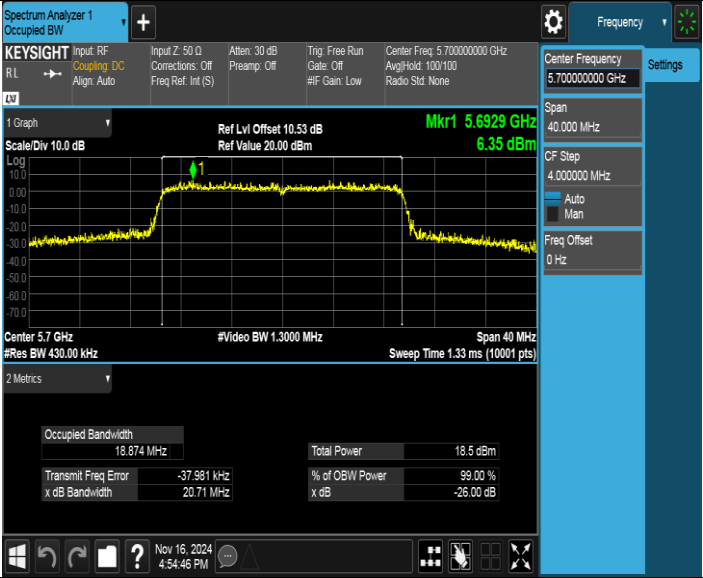
Span
40.000 MHz

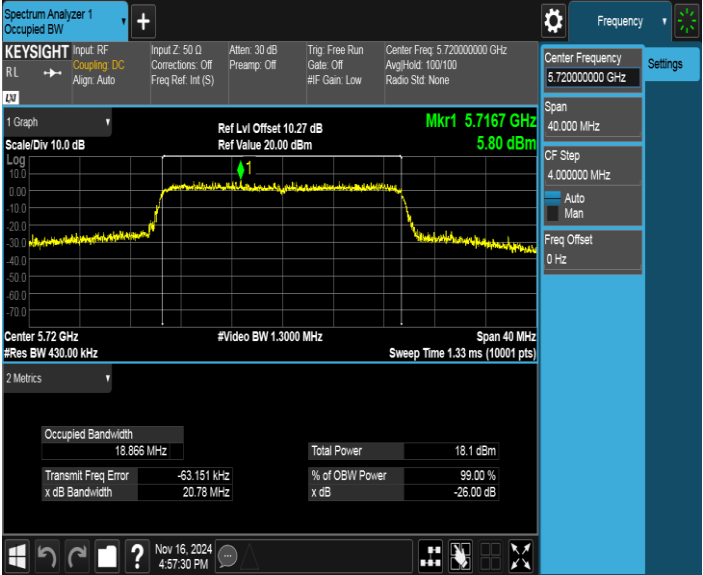
CF Step
4.0000000 MHz

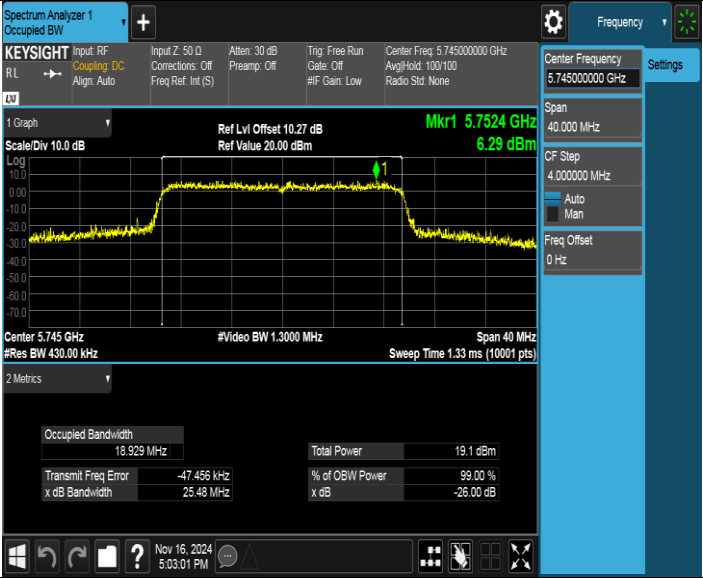
Auto
Man

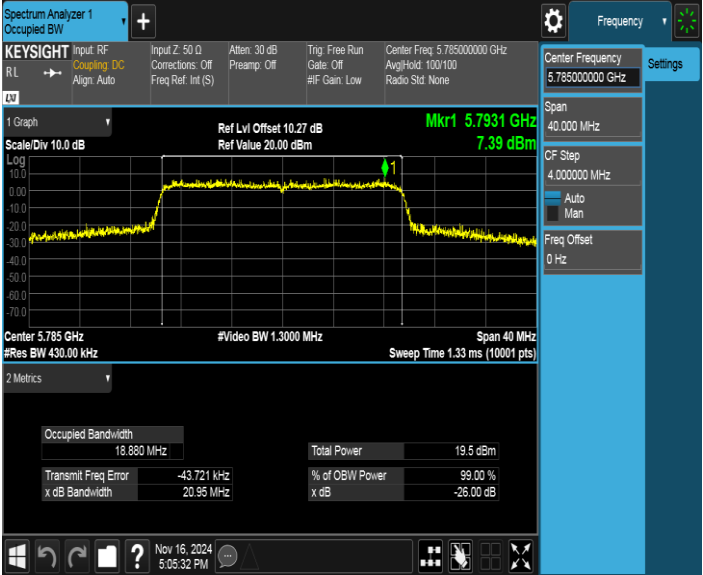
Freq Offset
0 Hz

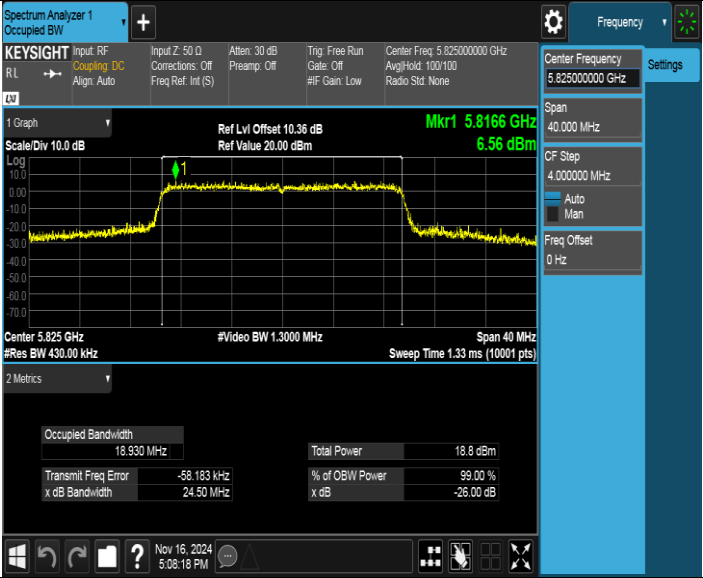
Nov 16, 2024
4:50:19 PM

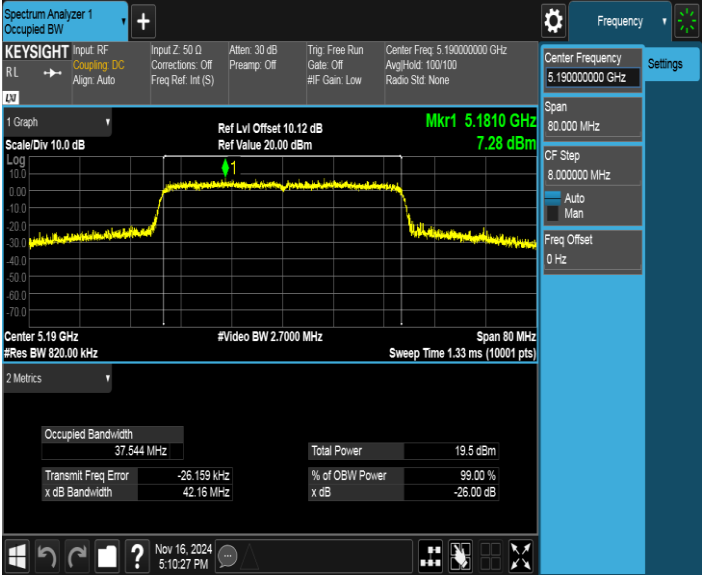
Test Mode	Test Channel	Verdict
11ax HE20	5700	PASS
 The screenshot displays a Spectrum Analyzer interface. The main plot shows a signal at 5.6929 GHz with a power level of 6.35 dBm. The y-axis is labeled 'Log' and ranges from -70.0 to 10.0. The x-axis is labeled 'Center 5.7 GHz' and ranges from 5.6929 GHz to 5.7000 GHz. The plot shows a signal with a bandwidth of 18.874 MHz. The interface includes various settings like Center Frequency, Span, Res BW, and Video BW. The 'Metrics' section shows Occupied Bandwidth, Total Power, Transmit Freq Error, and % of OBIW Power.		

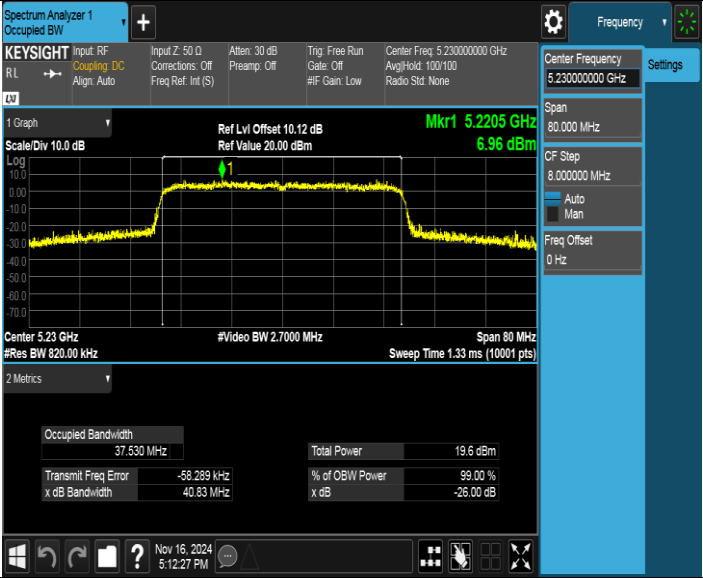
Test Mode	Test Channel	Verdict
11ax HE20	5720	PASS
 The screenshot displays a Spectrum Analyzer interface. The main plot shows a signal at 5.7167 GHz with a power level of 5.80 dBm. The y-axis is labeled 'Log' and ranges from -70.0 to 10.0. The x-axis is labeled 'Center 5.72 GHz' and ranges from 5.7167 GHz to 5.7200 GHz. The plot shows a signal with a bandwidth of 18.866 MHz. The interface includes various settings like Center Frequency, Span, Res BW, and Video BW. The 'Metrics' section shows Occupied Bandwidth, Total Power, Transmit Freq Error, and % of OBIW Power.		

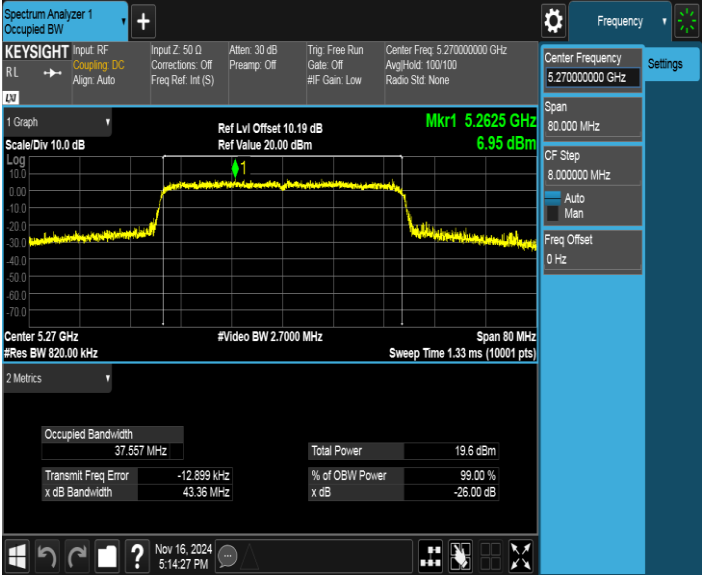
Test Mode	Test Channel	Verdict
11ax HE20	5745	PASS
		

Test Mode	Test Channel	Verdict
11ax HE20	5785	PASS
		

Test Mode	Test Channel	Verdict
11ax HE20	5825	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5190	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5230	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5270	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5310	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: 5.31000000 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 5.3016 GHz
6.90 dBm

Center 5.31 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
37.469 MHz

Total Power
19.1 dBm

Transmit Freq Error
x dB Bandwidth -80.416 kHz
41.17 MHz

% of OBIW Power
x dB 99.00 %
-26.00 dB

Frequency

Settings

Center Frequency
5.310000000 GHz

Span
80.000 MHz

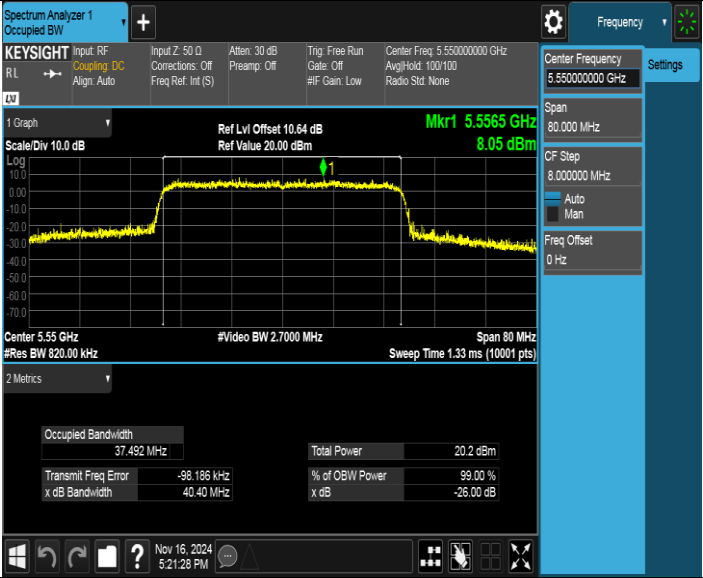
CF Step
8.0000000 MHz

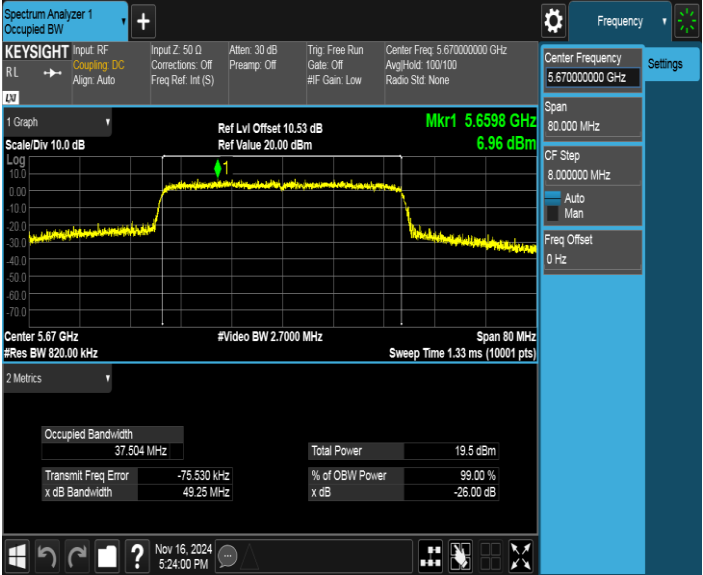
Auto
Man

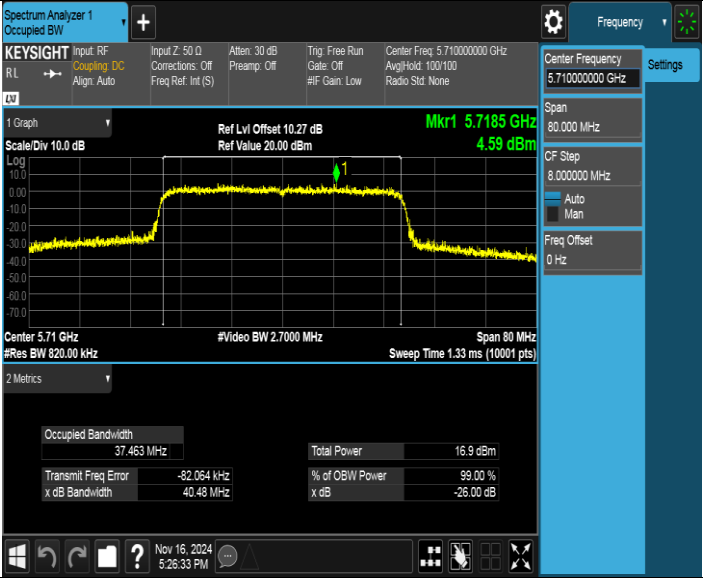
Freq Offset
0 Hz

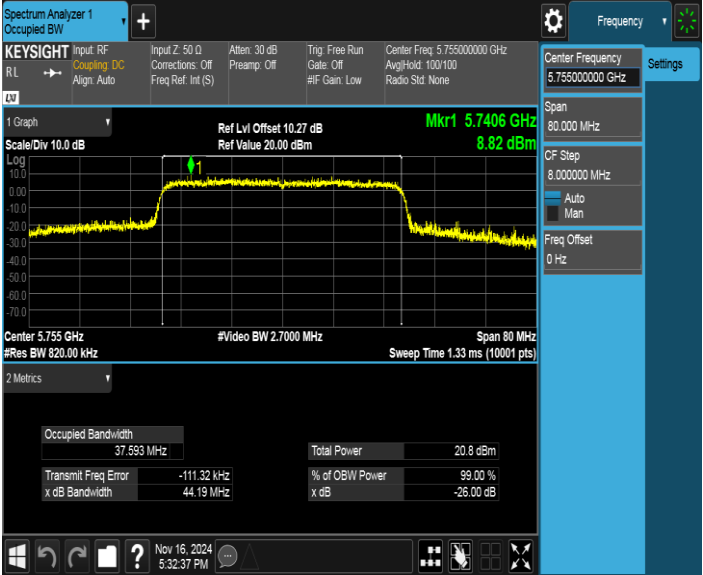
Nov 16, 2024
5:16:49 PM

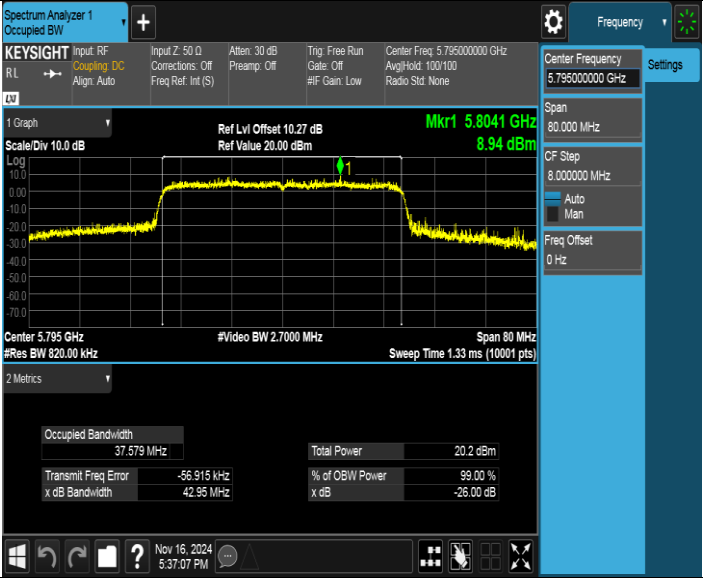
Test Mode	Test Channel	Verdict
11ax HE40	5510	PASS
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #F Gain: Low Center Freq: 5.510000000 GHz Avg/Hold: 100/100 Radio Std: None 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.64 dB Ref Value: 20.00 dBm Mkr1: 5.4936 GHz 7.25 dBm Center: 5.51 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 37.472 MHz Transmit Freq Error -62.278 kHz x dB Bandwidth 40.60 MHz Total Power 19.6 dBm % of OBIW Power 99.00 % x dB -26.00 dB Frequency Settings Center Frequency 5.510000000 GHz Span 80.000 MHz CF Step 8.0000000 MHz Auto Man Freq Offset 0 Hz		

Test Mode	Test Channel	Verdict
11ax HE40	5550	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5670	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5710	PASS
 Spectrum Analyzer 1 KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 5.71000000 GHz R/L → Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.27 dB Ref Value: 20.00 dBm Mkr1: 5.7185 GHz 4.59 dBm Center: 5.71 GHz #Video BW: 2.7000 MHz Span: 80 MHz #Res BW: 820.00 kHz Sweep Time: 1.33 ms (10001 pts) 2 Metrics Occupied Bandwidth: 37.463 MHz Total Power: 16.9 dBm Transmit Freq Error: -82.064 MHz % of OBIW Power: 99.00 % x dB Bandwidth: 40.48 MHz x dB: -26.00 dB Nov 16, 2024 5:26:33 PM		

Test Mode	Test Channel	Verdict
11ax HE40	5755	PASS
 Spectrum Analyzer 1 KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 5.75500000 GHz R/L → Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None 1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.27 dB Ref Value: 20.00 dBm Mkr1: 5.7406 GHz 8.82 dBm Center: 5.755 GHz #Video BW: 2.7000 MHz Span: 80 MHz #Res BW: 820.00 kHz Sweep Time: 1.33 ms (10001 pts) 2 Metrics Occupied Bandwidth: 37.593 MHz Total Power: 20.8 dBm Transmit Freq Error: -111.32 kHz % of OBIW Power: 99.00 % x dB Bandwidth: 44.19 MHz x dB: -26.00 dB Nov 16, 2024 5:32:37 PM		

Test Mode	Test Channel	Verdict
11ax HE40	5795	PASS
		

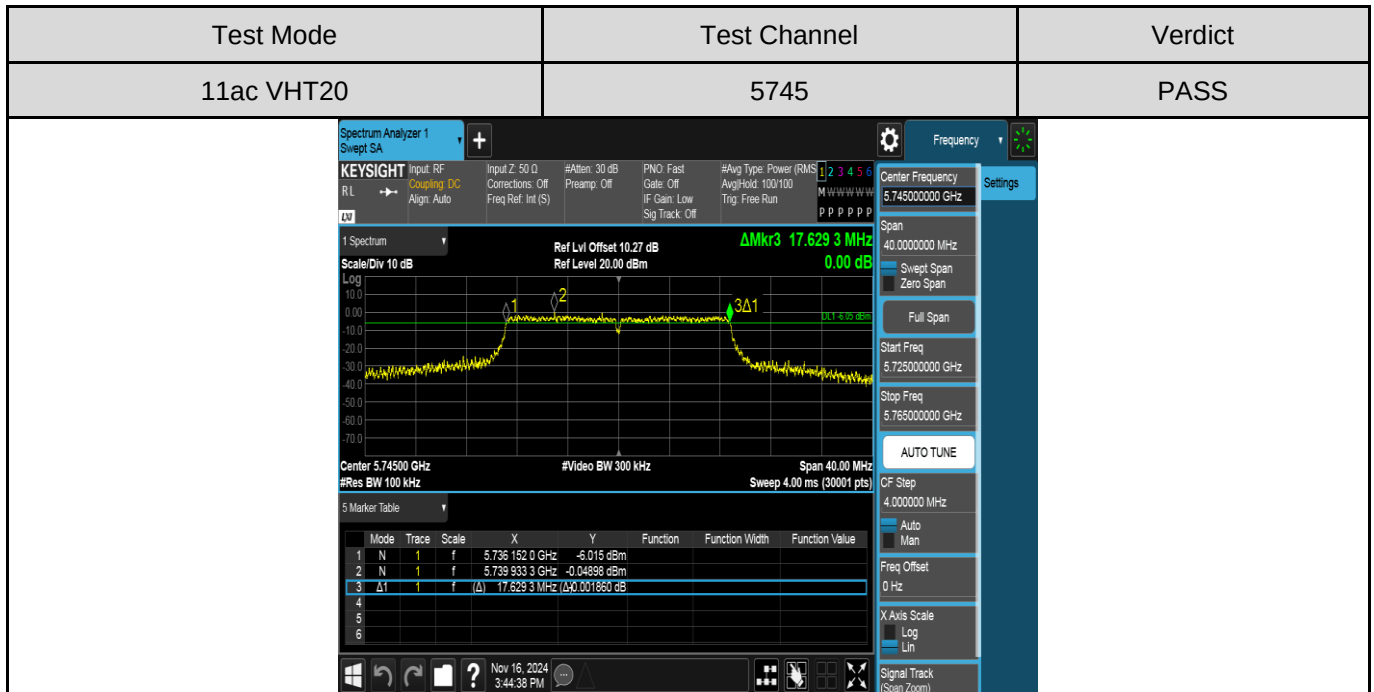
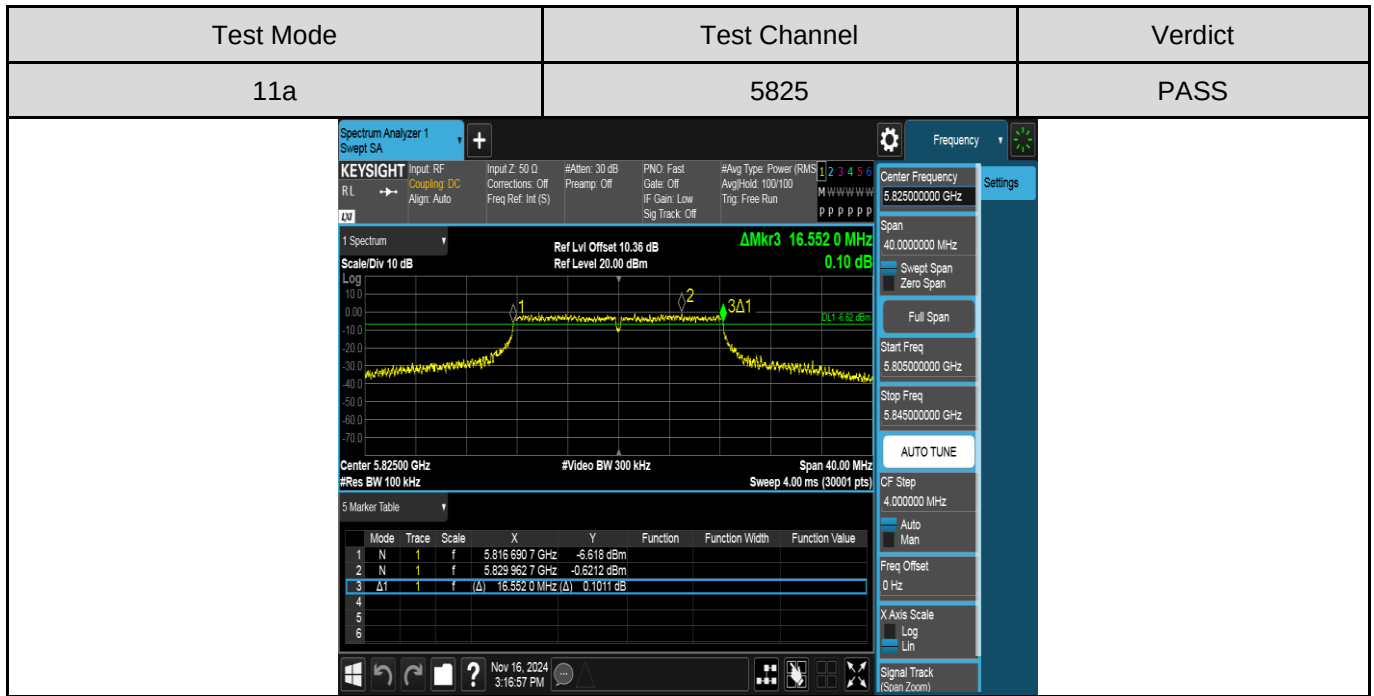
For 6 dB Emission Bandwidth Part:

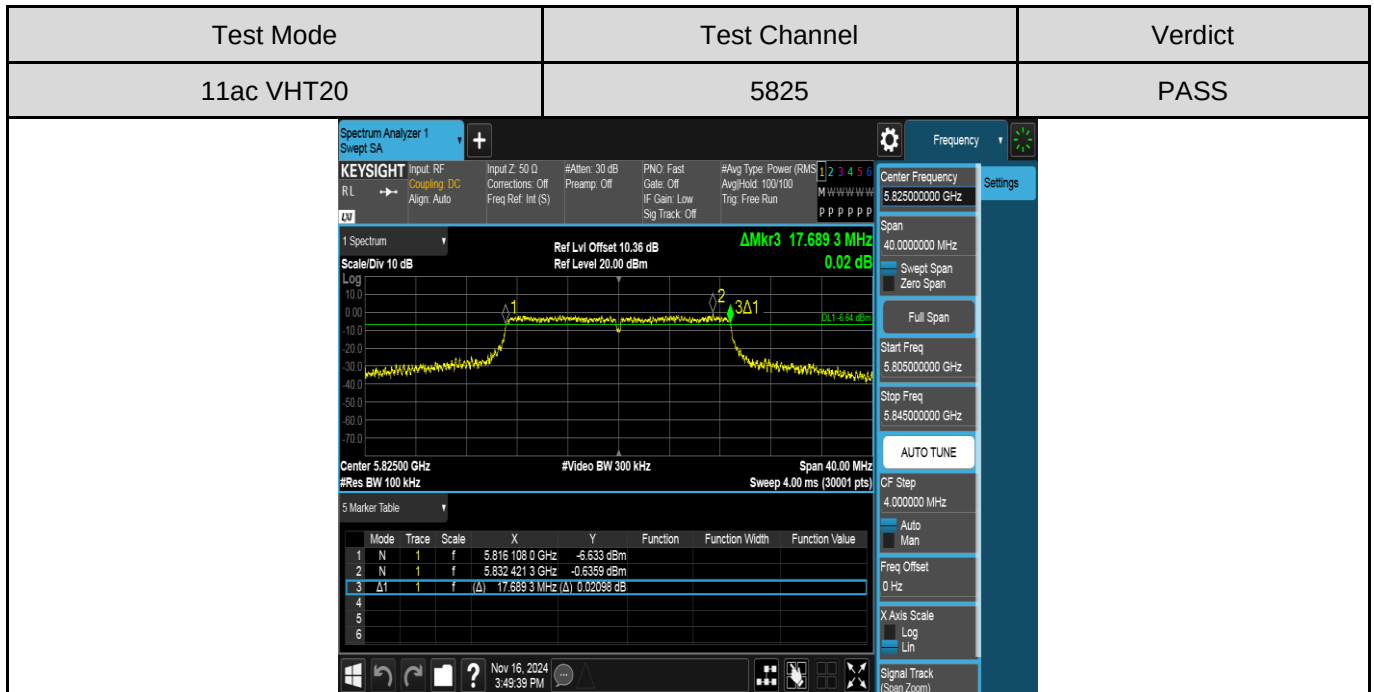
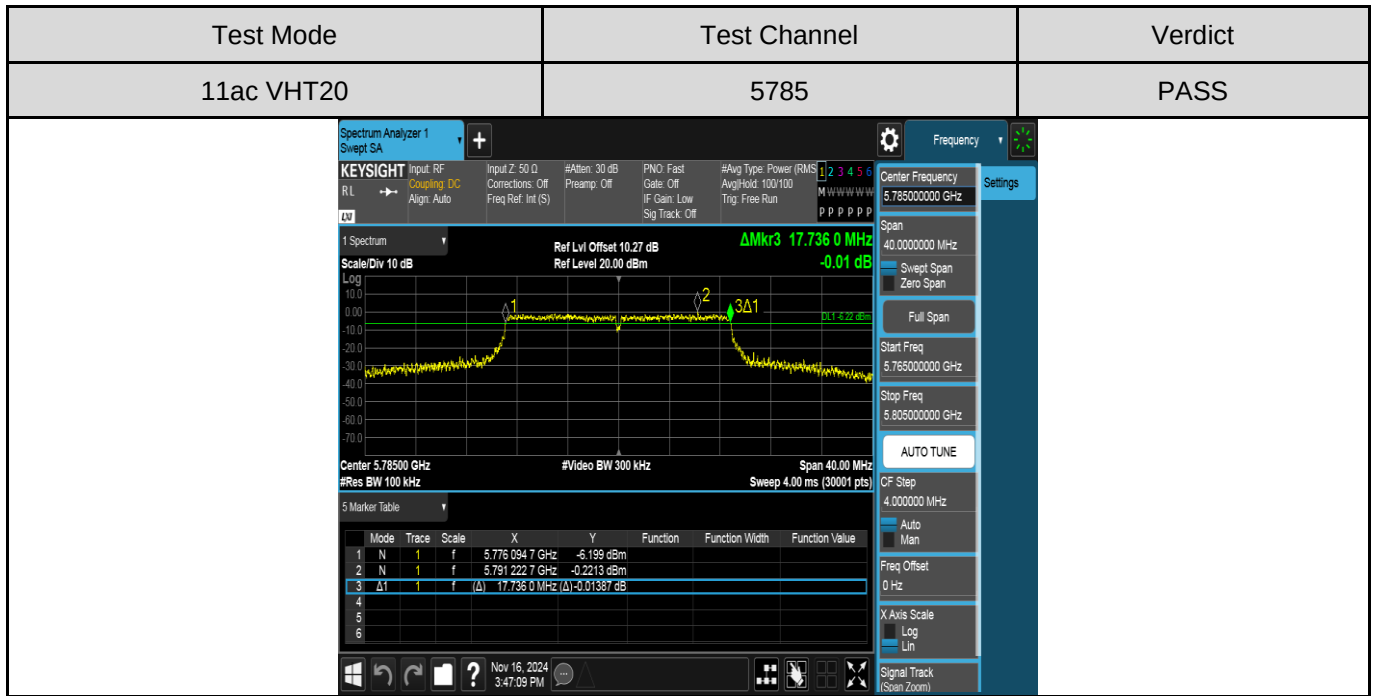
Test Mode	Test Channel	Verdict
11a	5745	PASS

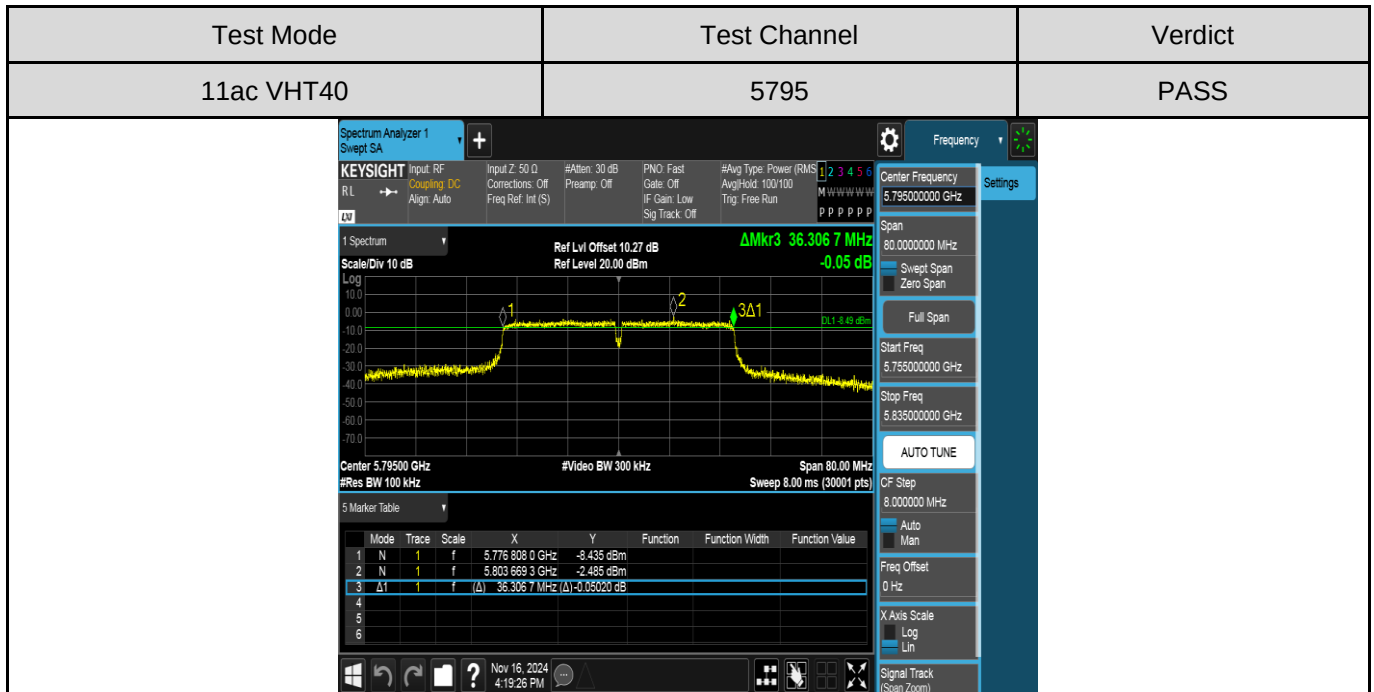
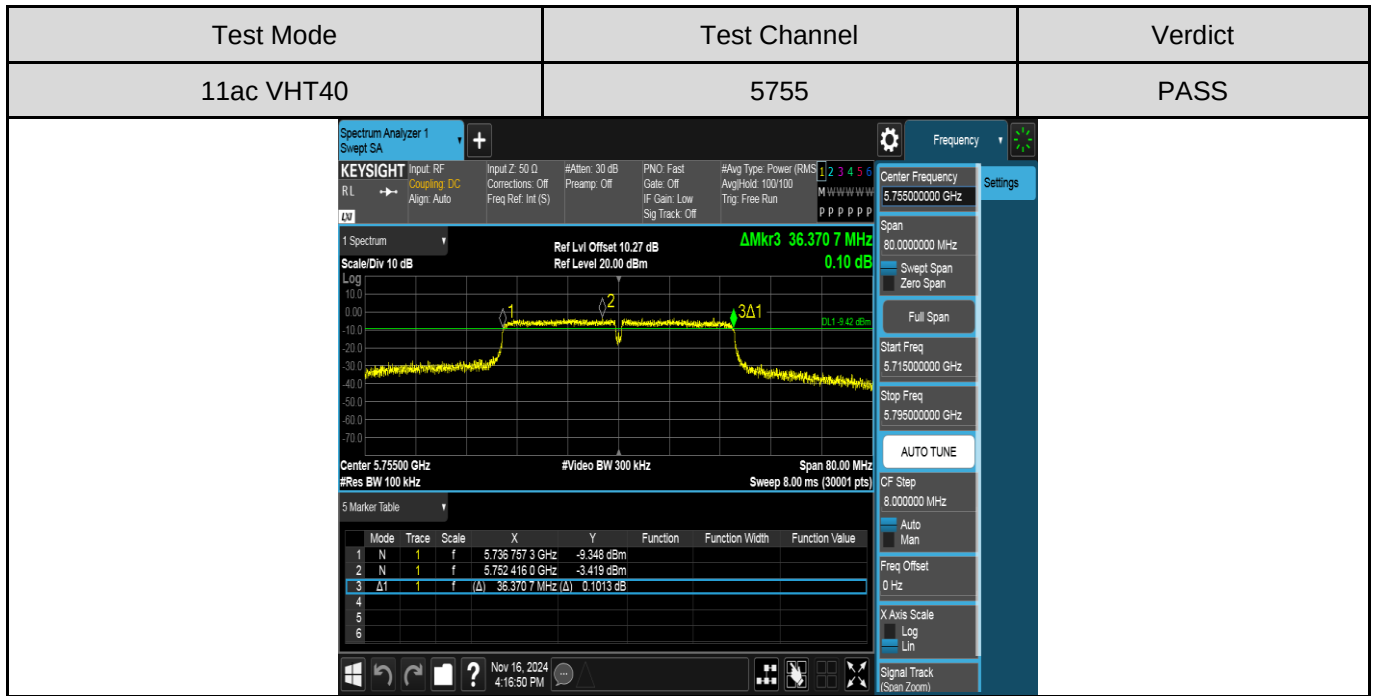


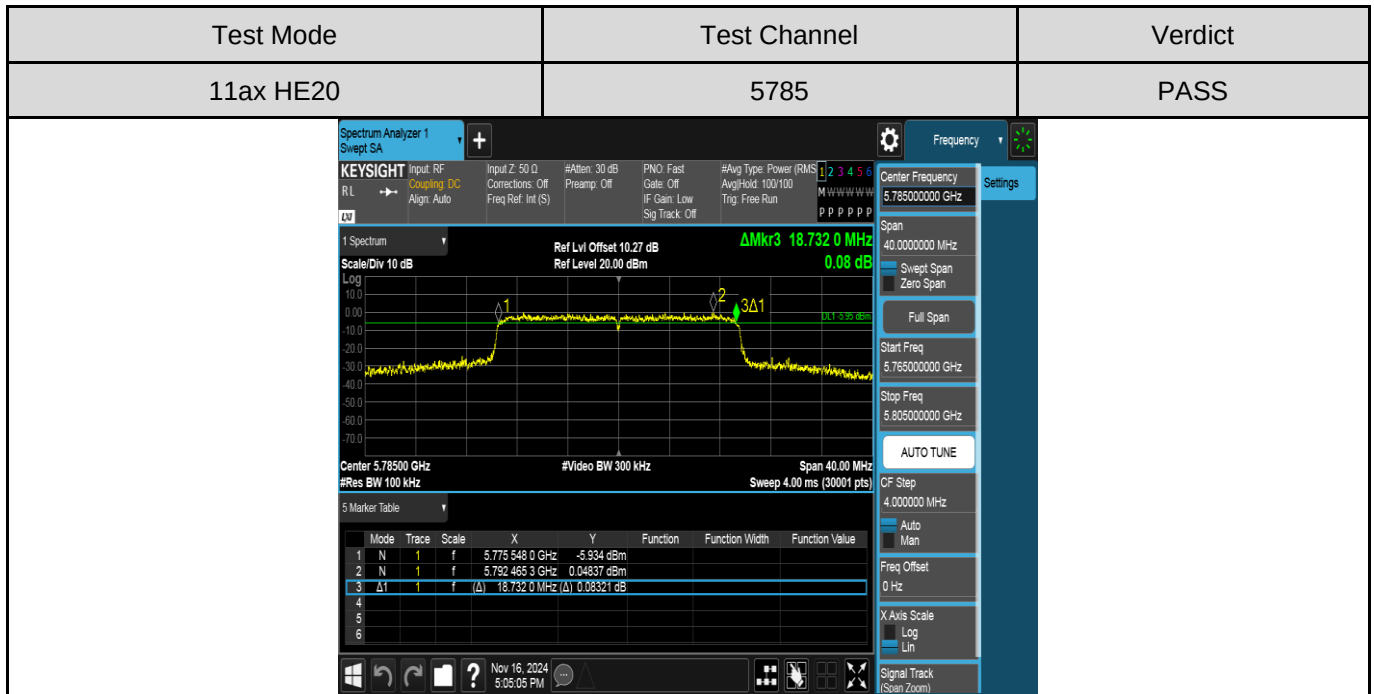
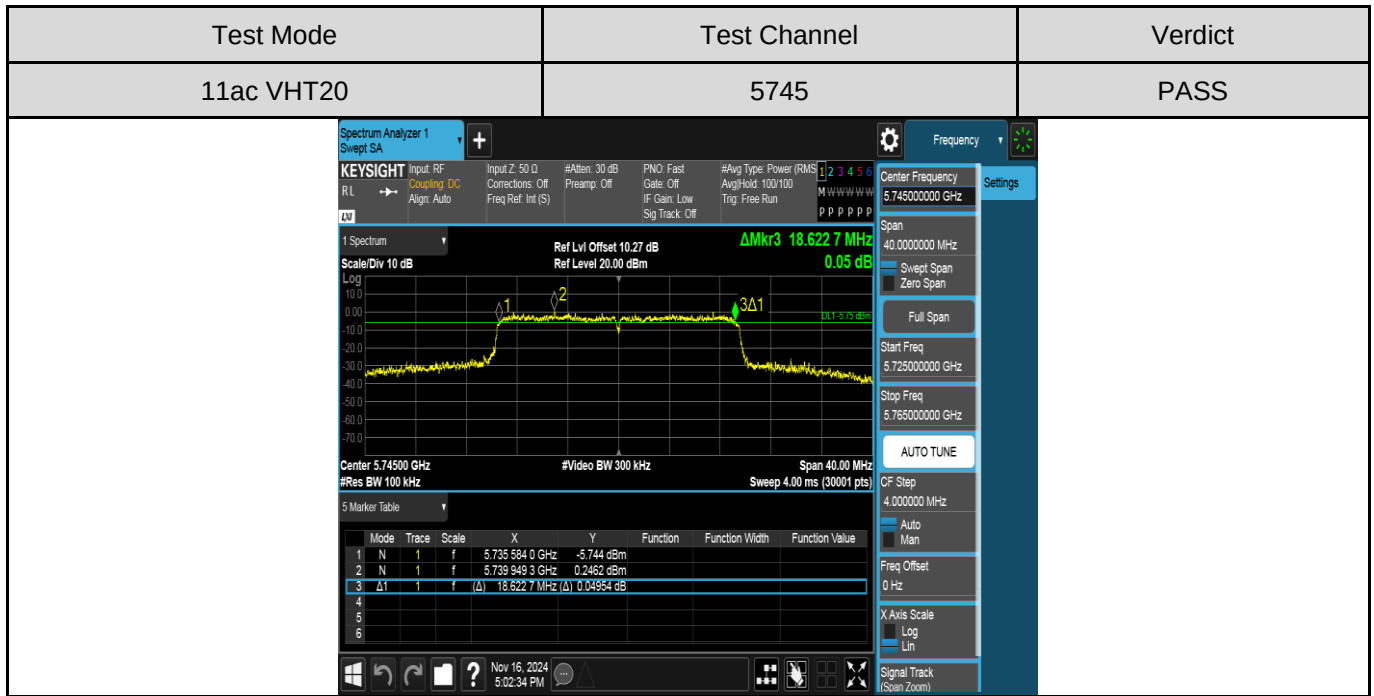
Test Mode	Test Channel	Verdict
11a	5785	PASS

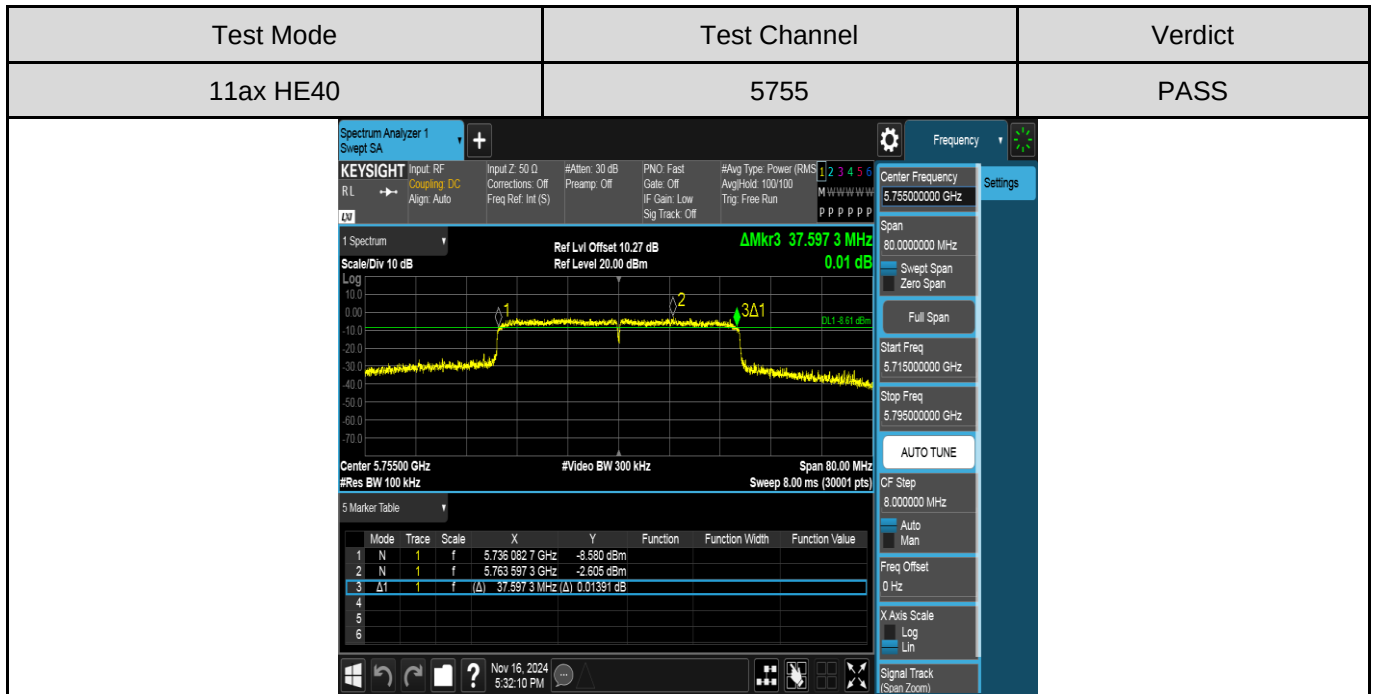
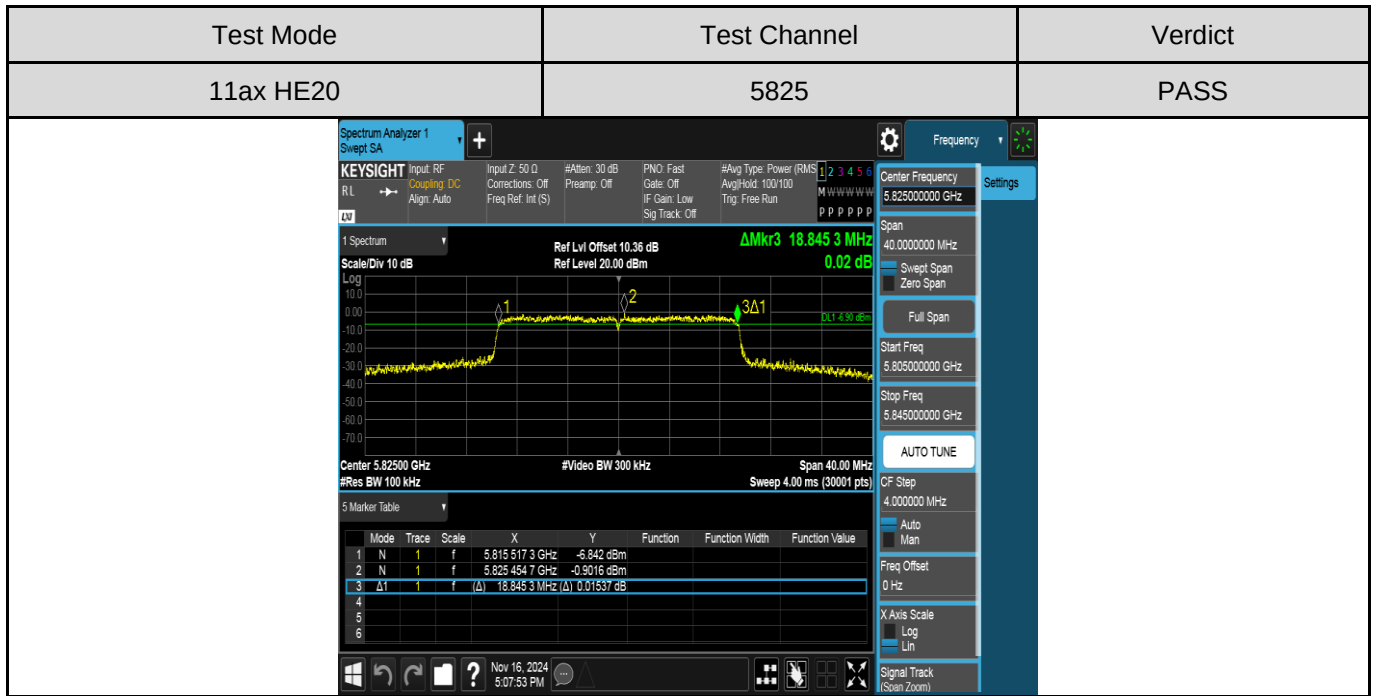












Test Mode	Test Channel	Verdict																																																															
11ax HE40	5795	PASS																																																															
Spectrum Analyzer 1 Sweep SA + KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 30 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6 RL Coupling: DC Corrections: Off Gate: Off Avg/Hold: 100/100 M W W W W W Align: Auto Freq Ref: Int (S) Preampl: Off IF Gain: Low Sig Track: Off Trig: Free Run P P P P P P 1 Spectrum Ref Lvl Offset 10.27 dB ΔMkr3 37.437 3 MHz Scale/Div 10 dB Ref Level 20.00 dBm 0.06 dB Center 5.79500 GHz #Video BW 300 kHz Span 80.00 MHz #Res BW 100 kHz Sweep 8.00 ms (30001 pts) 5 Marker Table <table><thead><tr><th></th><th>Mode</th><th>Trace</th><th>Scale</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>5.776 229 3 GHz</td><td>-9.133 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>5.792 448 0 GHz</td><td>-3.207 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>Δ1</td><td>1</td><td>f (Δ)</td><td>37.437 3 MHz (Δ)</td><td>0.06392 dB</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> Nov 16, 2024 5:38:40 PM ⏏ 🖱 ⏏ ⏏ Frequency Settings Center Frequency 5.795000000 GHz Span 80.00000000 MHz Sweep Span Zero Span Full Span Start Freq 5.756000000 GHz Stop Freq 5.835000000 GHz AUTO TUNE CF Step 8.00000000 MHz Auto Man Freq Offset 0 Hz X Axis Scale Log Lin Signal Track (Span Zoom)				Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	f	5.776 229 3 GHz	-9.133 dBm				2	N	1	f	5.792 448 0 GHz	-3.207 dBm				3	Δ1	1	f (Δ)	37.437 3 MHz (Δ)	0.06392 dB				4									5									6								
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6.3. MAXIMUM CONDUCTED AVERAGE OUTPUT POWER

LIMITS

CFR 47 FCC Part15, Subpart E RSS-247 Clause 6.2		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	☐ Outdoor Access Point: 1 W (30 dBm) ☐ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☒ 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

Remark:

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

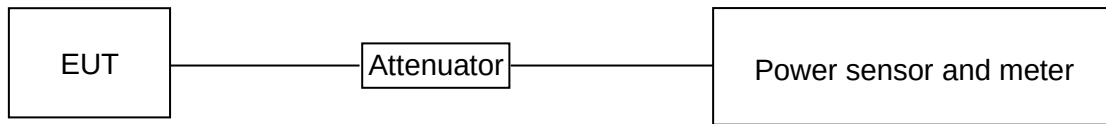
If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep):

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1 MHz.
- (iii) Set VBW $\geq$ 3 MHz.
- (iv) Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This ensures that bin-to-bin spacing is $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)
- (v) Sweep time = auto.
- (vi) Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
- (vii) If transmit duty cycle $< 98\%$, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq 98\%$, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run."
- (viii) Trace average at least 100 traces in power averaging (rms) mode.
- (ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

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	11/16/2024

TEST RESULT TABLE

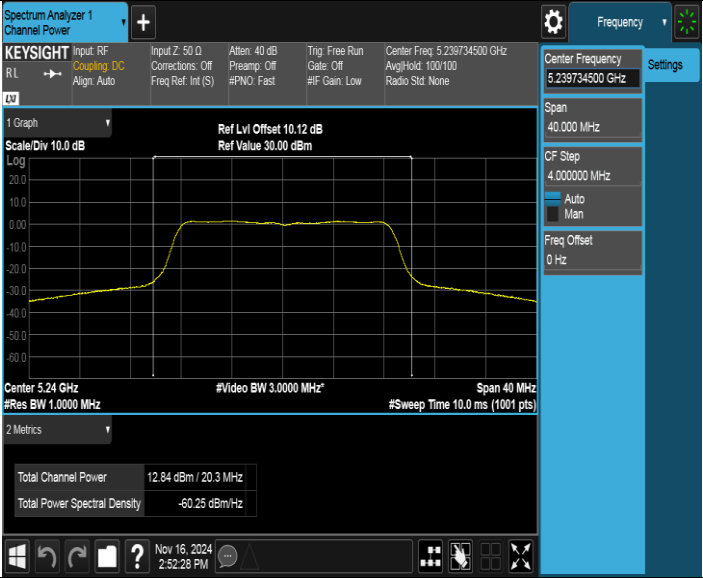
Mode	Frequency	Measurement Output Power	Duty Cycle Correction Factor	Average Conducted Output Power	FCC Power Limit	ISED Power Limit	Antenna Gain	EIRP	ISED EIRP Limit
	MHz	dBm	dB	dBm	dBm	dBm	dBi	dBm	dBm
11a	5180	13.03	0	13.03	24.00	/	2.66	15.69	22.32
	5200	13.21	0	13.21	24.00	/	2.66	15.87	22.33
	5240	12.84	0	12.84	24.00	/	2.66	15.5	22.31
	5260	13.16	0	13.16	24.00	23.31	2.66	15.82	29.31
	5280	13.08	0	13.08	24.00	23.32	2.66	15.74	29.32
	5320	12.58	0	12.58	23.96	23.30	2.66	15.24	29.30
	5500	13.05	0	13.05	23.96	23.31	2.66	15.71	29.31
	5580	12.38	0	12.38	23.97	23.32	2.66	15.04	29.32
	5700	12.20	0	12.20	24.00	23.31	2.66	14.86	29.31
	5720_ UNII-2C	10.70	0	10.70	22.84	22.33	2.66	13.36	28.33
	5720_ UNII-3	4.51	0	4.51	30.00	/	2.66	7.17	36.00
	5745	12.73	0	12.73	30.00	/	2.66	15.39	36.00
	5785	13.36	0	13.36	30.00	/	2.66	16.02	36.00
	5825	13.63	0	13.63	30.00	/	2.66	16.29	36.00

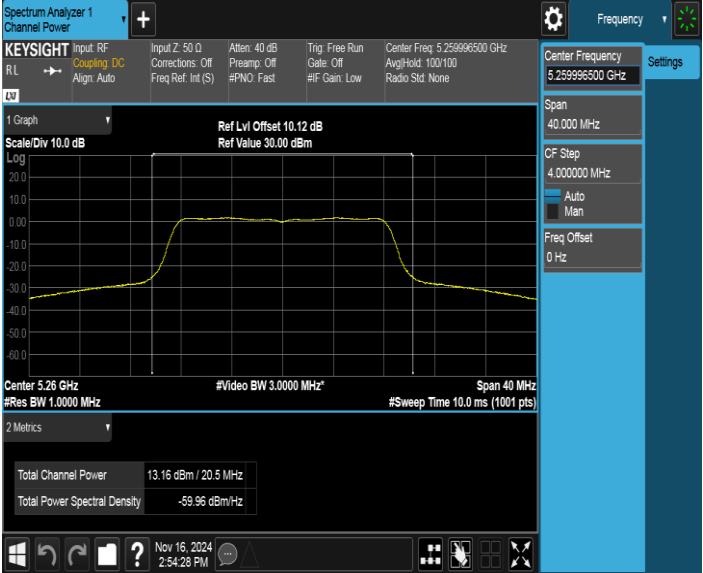
Mode	Frequency	Measurement Output Power	Duty Cycle Correction Factor	Average Conducted Output Power	FCC Power Limit	ISED Power Limit	Antenna Gain	EIRP	ISED EIRP Limit
	MHz	dBm	dB	dBm	dBm	dBm	dBi	dBm	dBm
11ac VHT20	5180	13.01	0	13.01	24.00	/	2.66	15.67	22.54
	5200	13.22	0	13.22	24.00	/	2.66	15.88	22.56
	5240	13.09	0	13.09	24.00	/	2.66	15.75	22.53
	5260	13.15	0	13.15	24.00	23.54	2.66	15.81	29.54
	5280	13.09	0	13.09	24.00	23.53	2.66	15.75	29.53
	5320	12.59	0	12.59	24.00	23.54	2.66	15.25	29.54
	5500	12.92	0	12.92	24.00	23.54	2.66	15.58	29.54
	5580	12.33	0	12.33	24.00	23.54	2.66	14.99	29.54
	5700	12.06	0	12.06	24.00	23.54	2.66	14.72	29.54
	5720_ UNII-2C	10.52	0	10.52	22.88	22.47	2.66	13.18	28.47
	5720_ UNII-3	4.85	0	4.85	30.00	/	2.66	7.51	36.00
	5745	12.76	0	12.76	30.00	/	2.66	15.42	36.00
	5785	13.32	0	13.32	30.00	/	2.66	15.98	36.00
	5825	12.58	0	12.58	30.00	/	2.66	15.24	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	dBi	dBm	dBm
11ac VHT40	5190	12.63	0	12.63	24.00	24.00	2.66	15.29	23.00
	5230	12.82	0	12.82	24.00	24.00	2.66	15.48	23.00
	5270	12.93	0	12.93	24.00	24.00	2.66	15.59	30.00
	5310	12.45	0	12.45	24.00	24.00	2.66	15.11	30.00
	5510	12.49	0	12.49	24.00	24.00	2.66	15.15	30.00
	5550	12.96	0	12.96	24.00	24.00	2.66	15.62	30.00
	5670	12.18	0	12.18	24.00	24.00	2.66	14.84	30.00
	5710_ UNII-2C	11.04	0	11.04	24.00	24.00	2.66	13.7	30.00
	5710_ UNII-3	-0.47	0	-0.47	30.00	/	2.66	2.19	36.00
	5755	13.32	0	13.32	30.00	/	2.66	15.98	36.00
	5795	12.95	0	12.95	30.00	/	2.66	15.61	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	dBi	dBm	dBm
11ax HE20	5180	12.86	0	12.86	24.00	/	2.66	15.52	22.76
	5200	13.10	0	13.10	24.00	/	2.66	15.76	22.76
	5240	12.74	0	12.74	24.00	/	2.66	15.4	22.77
	5260	13.06	0	13.06	24.00	23.76	2.66	15.72	29.76
	5280	13.02	0	13.02	24.00	23.76	2.66	15.68	29.76
	5320	12.53	0	12.53	24.00	23.77	2.66	15.19	29.75
	5500	12.86	0	12.86	24.00	23.77	2.66	15.52	29.76
	5580	12.27	0	12.27	24.00	23.76	2.66	14.93	29.76
	5700	11.97	0	11.97	24.00	23.76	2.66	14.63	29.76
	5720_ UNII-2C	10.31	0	10.31	22.94	22.61	2.66	12.97	28.61
	5720_ UNII-3	4.95	0	4.95	30.00	/	2.66	7.61	36.00
	5745	12.66	0	12.66	30.00	/	2.66	15.32	36.00
	5785	13.24	0	13.24	30.00	/	2.66	15.9	36.00
	5825	12.47	0	12.47	30.00	/	2.66	15.13	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	12.63	0	12.63	24.00	24.00	2.66	15.29	23.00
	5230	12.80	0	12.80	24.00	24.00	2.66	15.46	23.00
	5270	12.91	0	12.91	24.00	24.00	2.66	15.57	30.00
	5310	12.43	0	12.43	24.00	24.00	2.66	15.09	30.00
	5510	12.52	0	12.52	24.00	24.00	2.66	15.18	30.00
	5550	12.99	0	12.99	24.00	24.00	2.66	15.65	30.00
	5670	12.20	0	12.20	24.00	24.00	2.66	14.86	30.00
	5710_ UNII-2C	9.29	0	9.29	24.00	24.00	2.66	11.95	30.00
	5710_ UNII-3	-1.87	0	-1.87	30.00	/	2.66	0.79	36.00
	5755	13.45	0	13.45	30.00	/	2.66	16.11	36.00
	5795	12.91	0	12.91	30.00	/	2.66	15.57	36.00

Test Mode	Test Channel	Verdict
11a	5240	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.24 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 40 MHz. The center frequency is 5.239734500 GHz. The resolution bandwidth (RBW) is 1.0000 MHz, and the video bandwidth (VBW) is 3.0000 MHz. The total channel power is 12.84 dBm / 20.3 MHz, and the total power spectral density is -60.25 dBm/MHz. The interface includes various settings and a 'Settings' panel on the right.		

Test Mode	Test Channel	Verdict
11a	5260	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.26 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 40 MHz. The center frequency is 5.259996500 GHz. The resolution bandwidth (RBW) is 1.0000 MHz, and the video bandwidth (VBW) is 3.0000 MHz. The total channel power is 13.16 dBm / 20.5 MHz, and the total power spectral density is -59.96 dBm/MHz. The interface includes various settings and a 'Settings' panel on the right.		