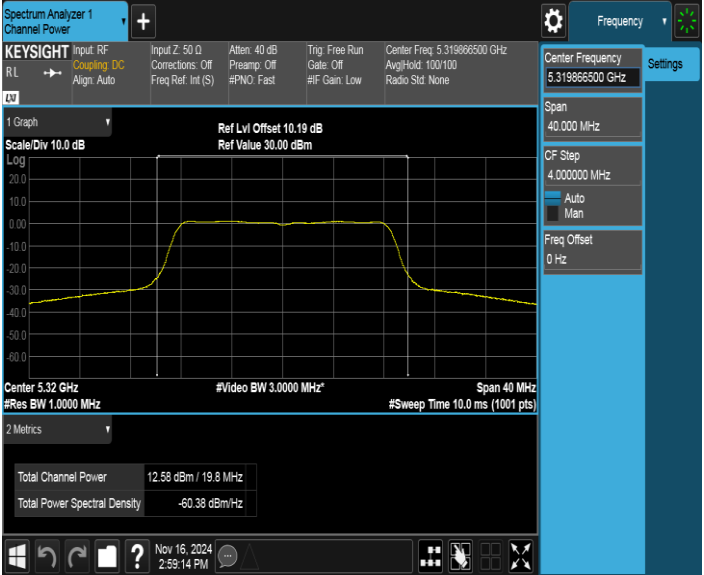
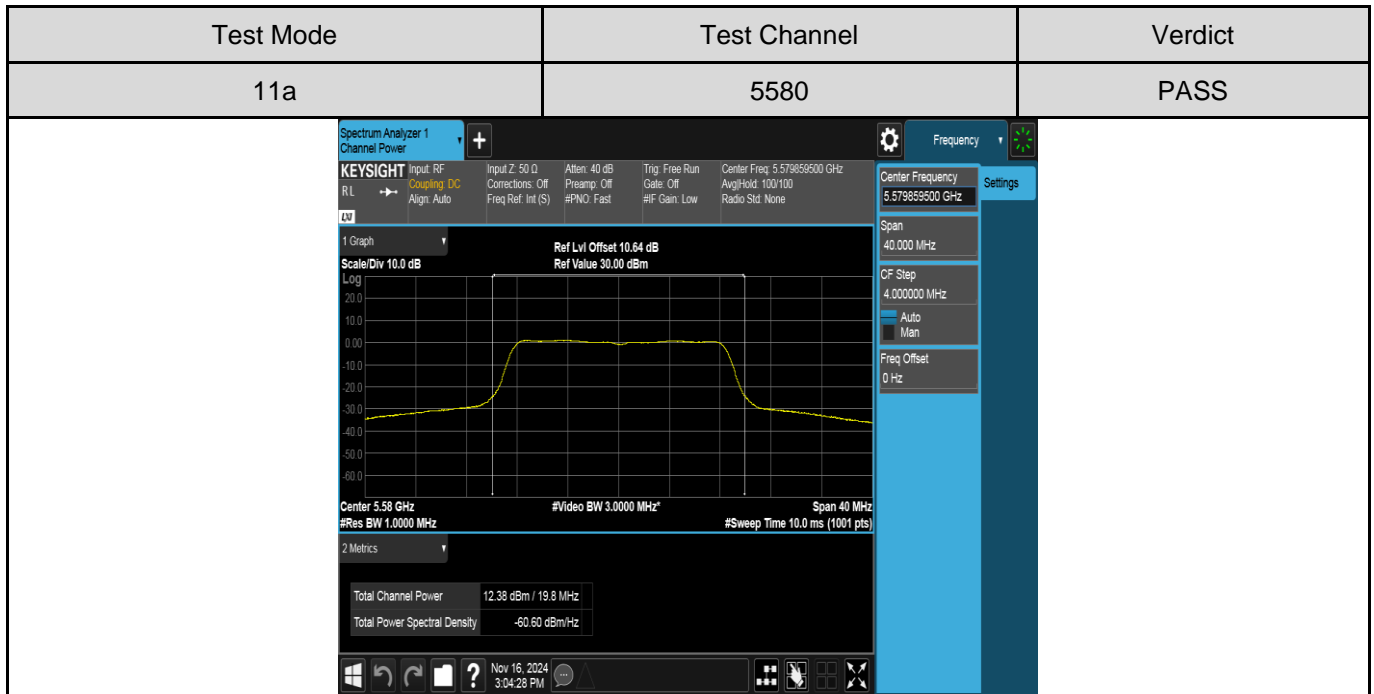
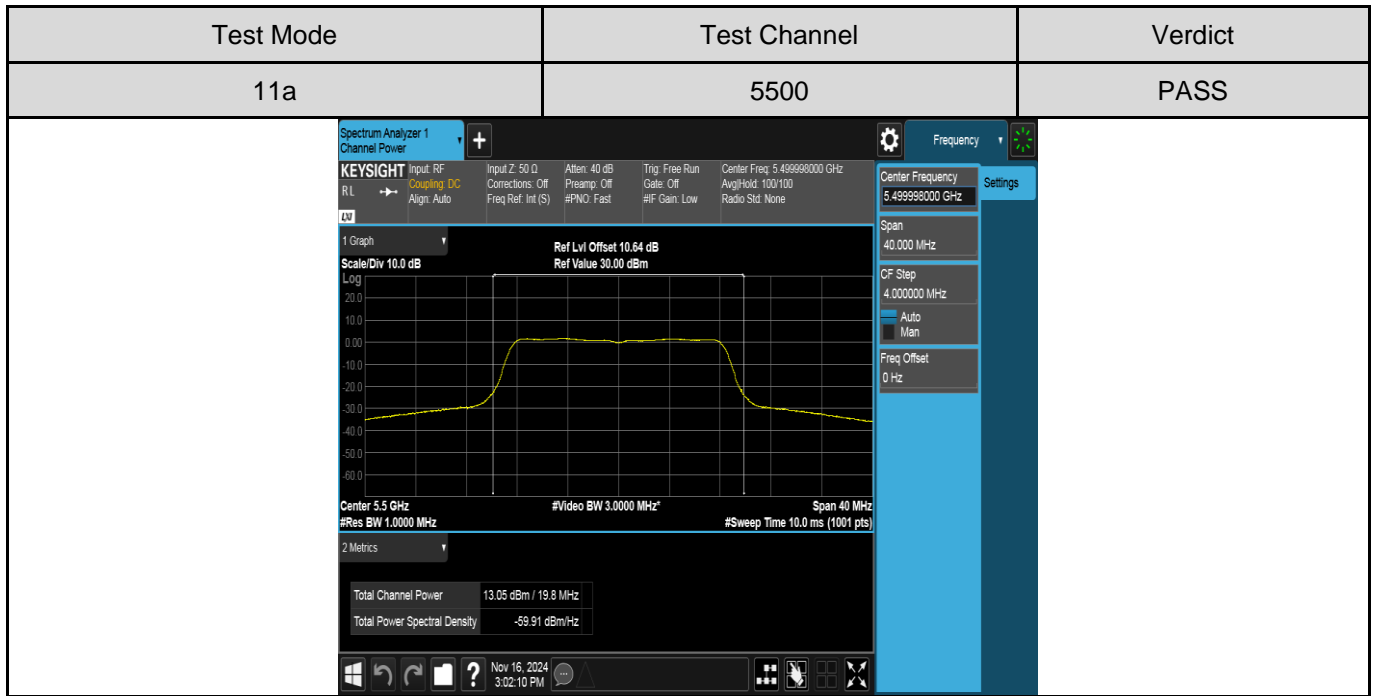
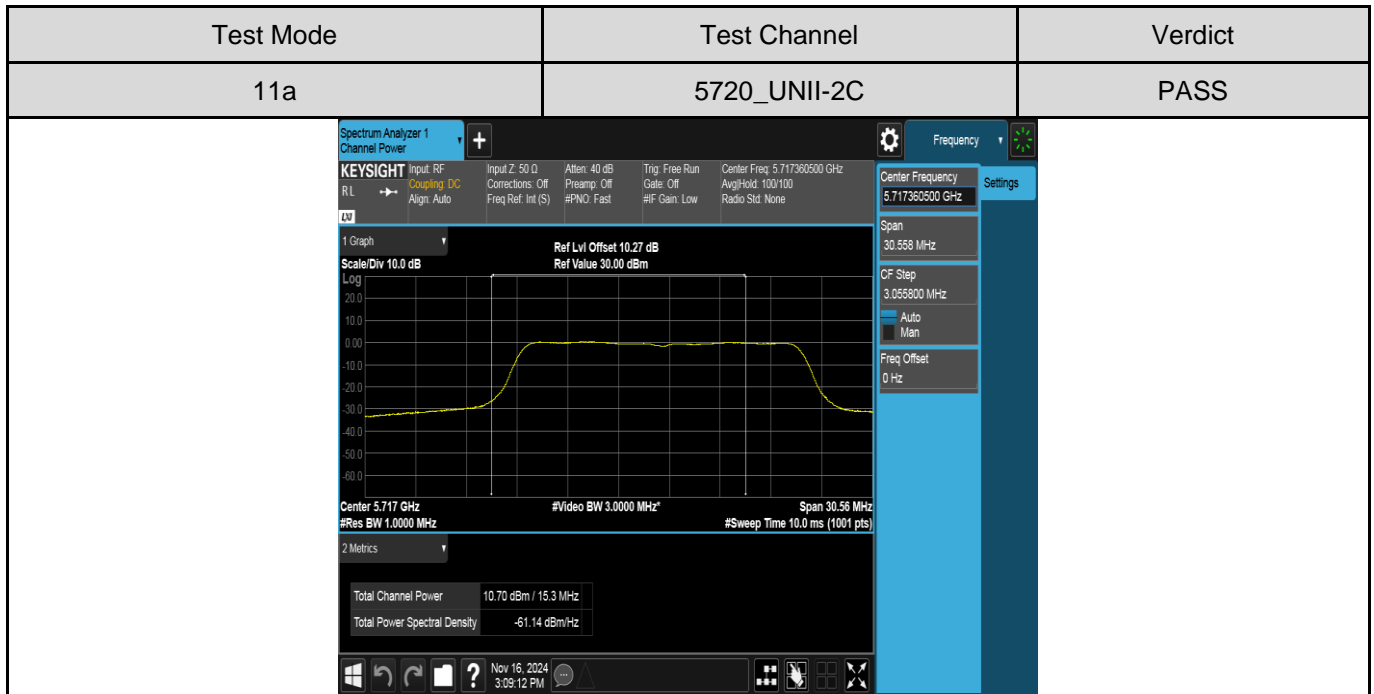
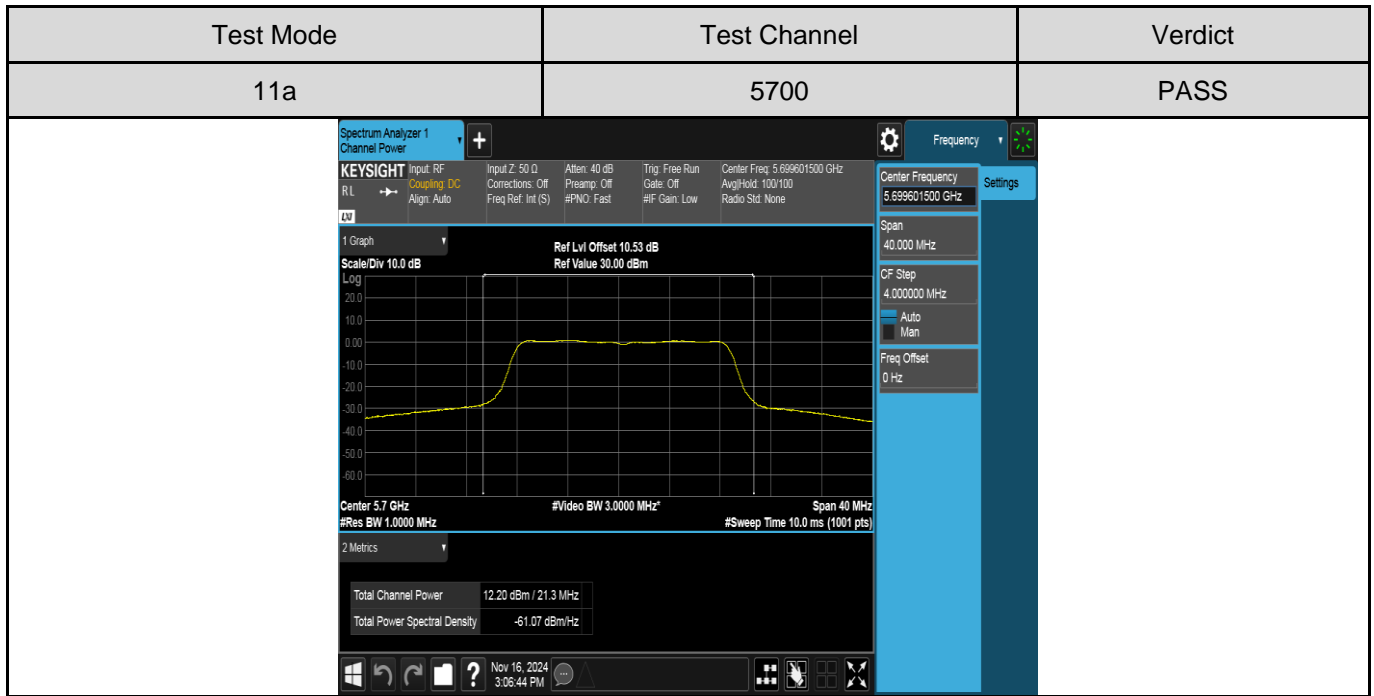
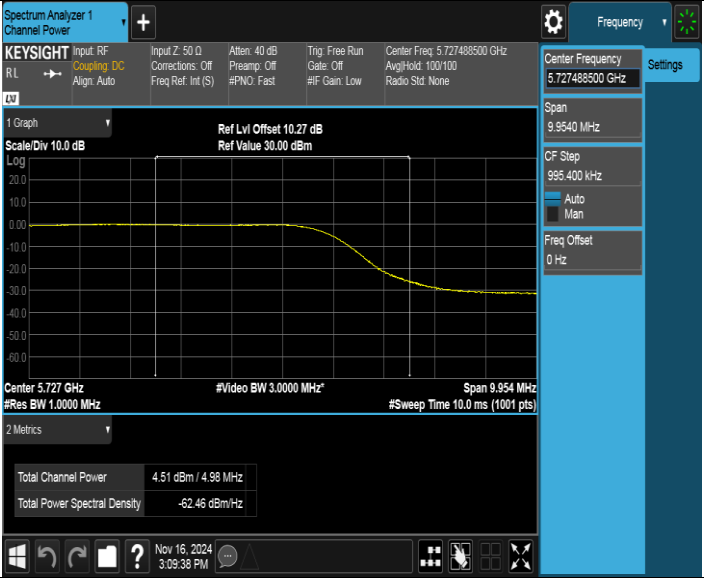


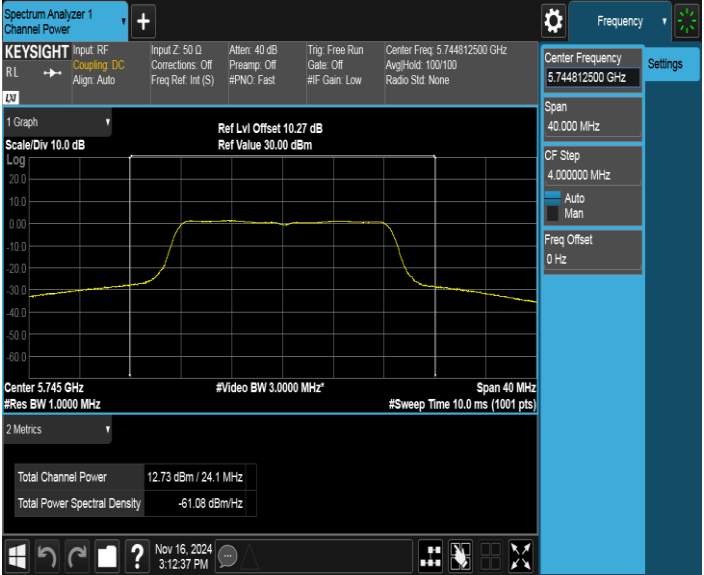
Test Mode	Test Channel	Verdict
11a	5280	PASS
		

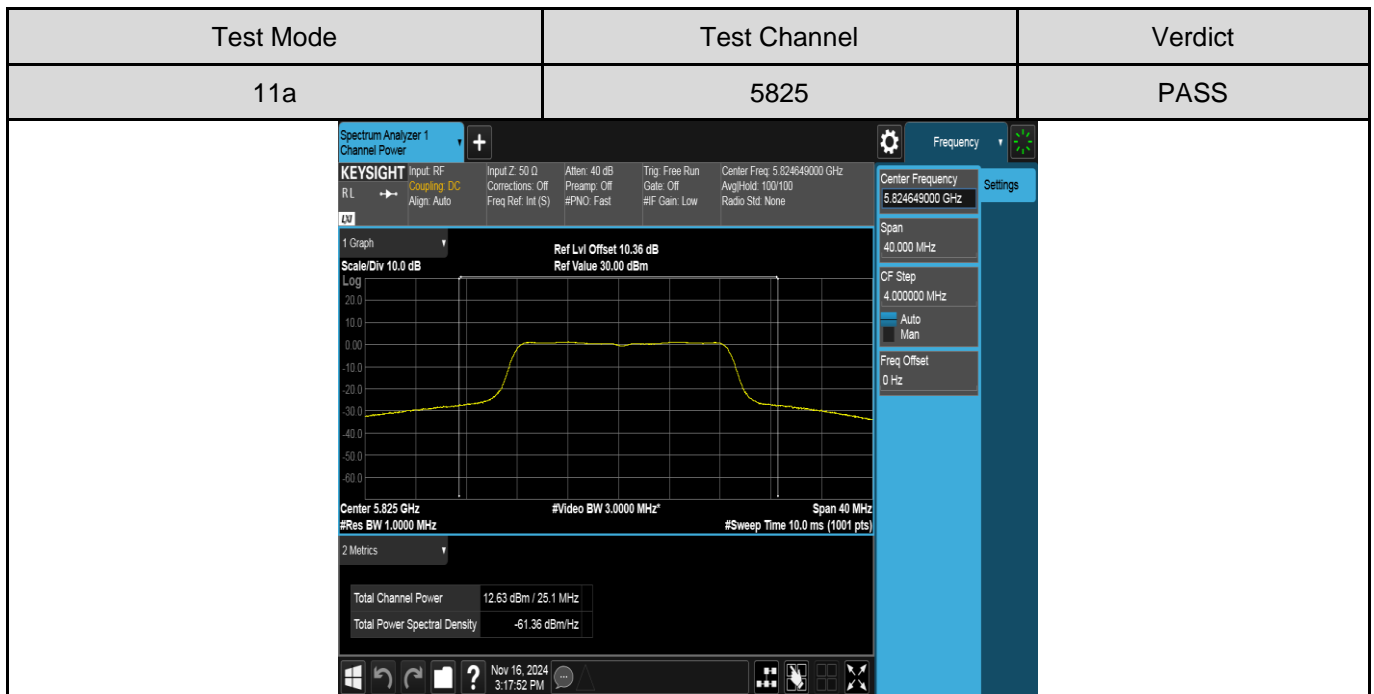
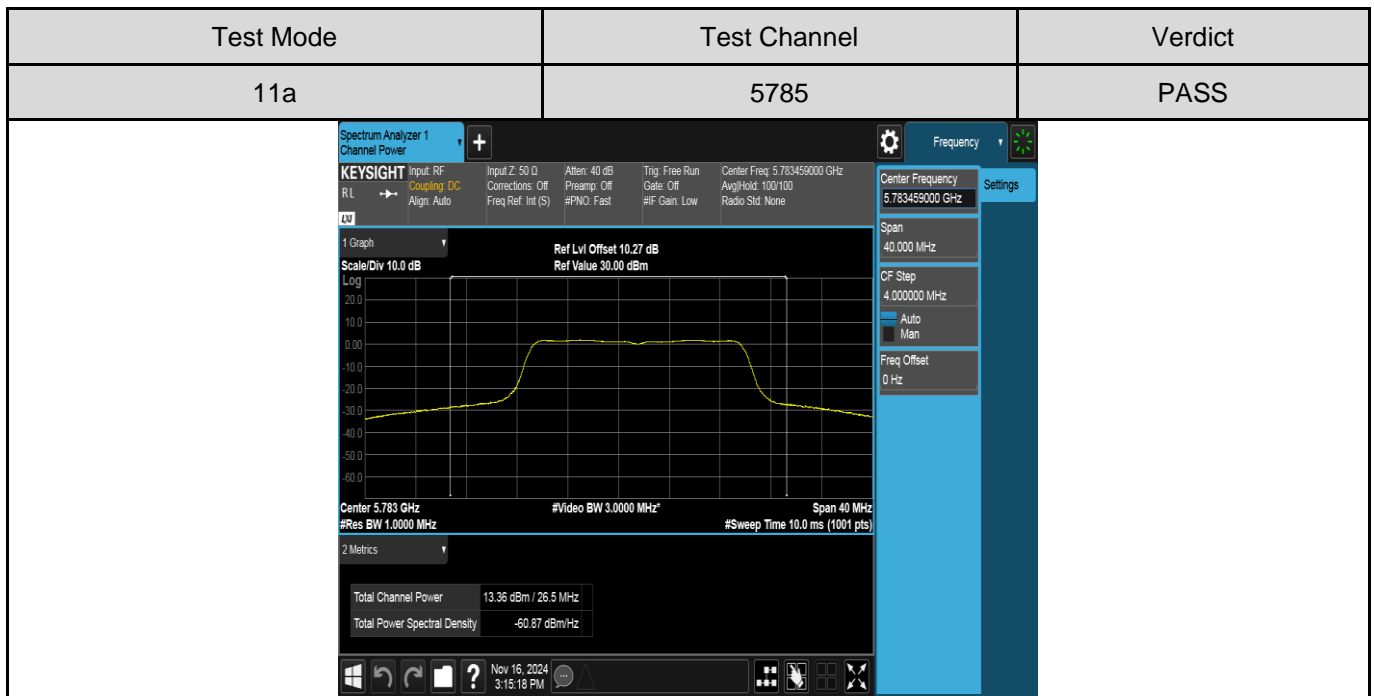
Test Mode	Test Channel	Verdict
11a	5320	PASS
		

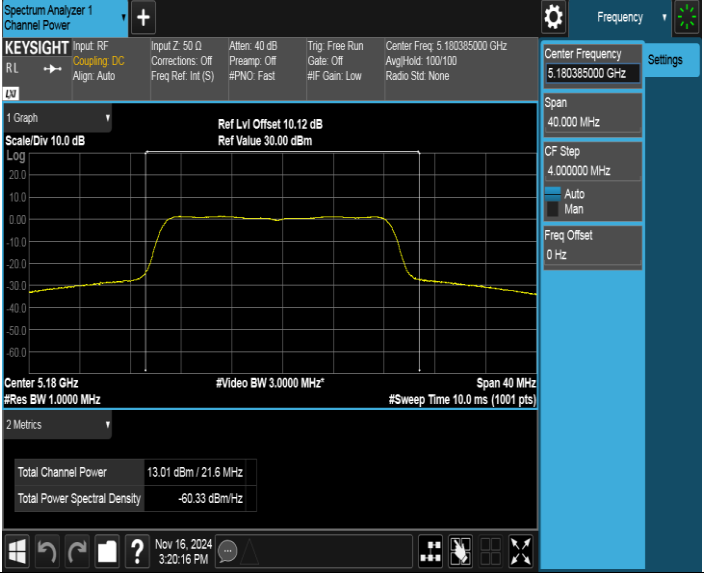


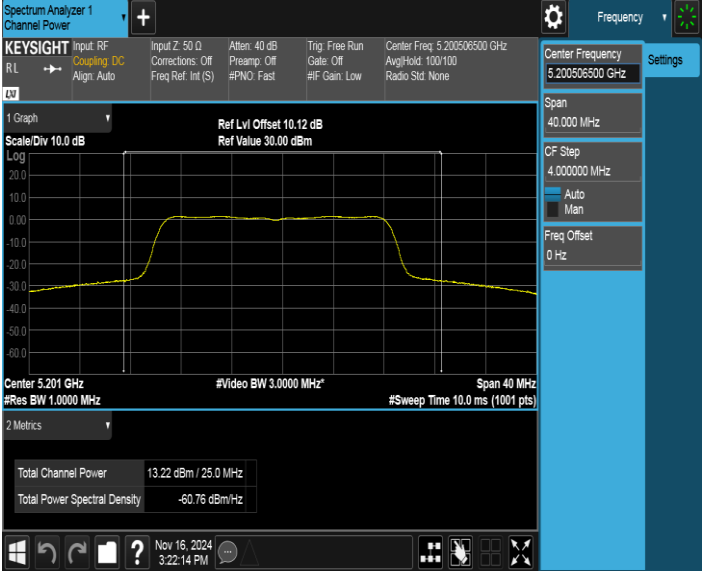


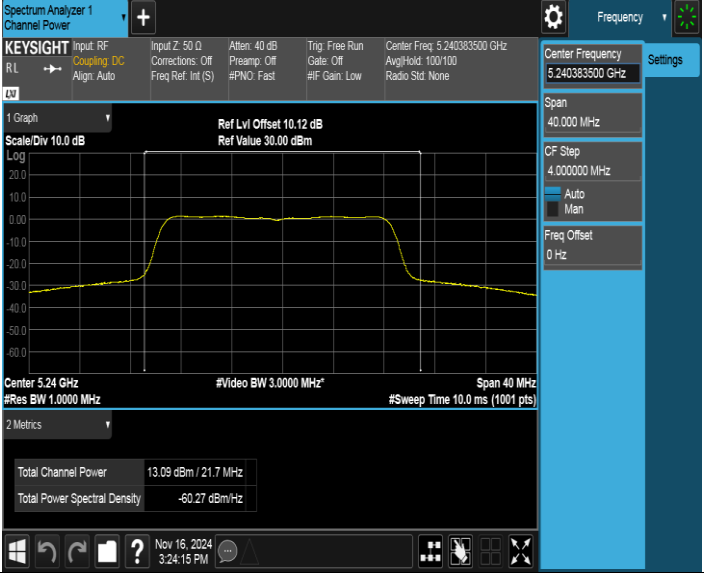
Test Mode	Test Channel	Verdict
11a	5720_UNII-3	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum centered at 5.727 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 9.954 MHz. The signal is a narrowband peak. The 'Total Channel Power' is measured as -45.1 dBm / 4.98 MHz. The 'Total Power Spectral Density' is -62.46 dBm/Hz. The interface includes various settings like Center Frequency, Span, and Resolution Bandwidth.</p>		

Test Mode	Test Channel	Verdict
11a	5745	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum centered at 5.745 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 signal is a narrowband peak. The 'Total Channel Power' is measured as -12.73 dBm / 24.1 MHz. The 'Total Power Spectral Density' is -61.08 dBm/Hz. The interface includes various settings like Center Frequency, Span, and Resolution Bandwidth.</p>		

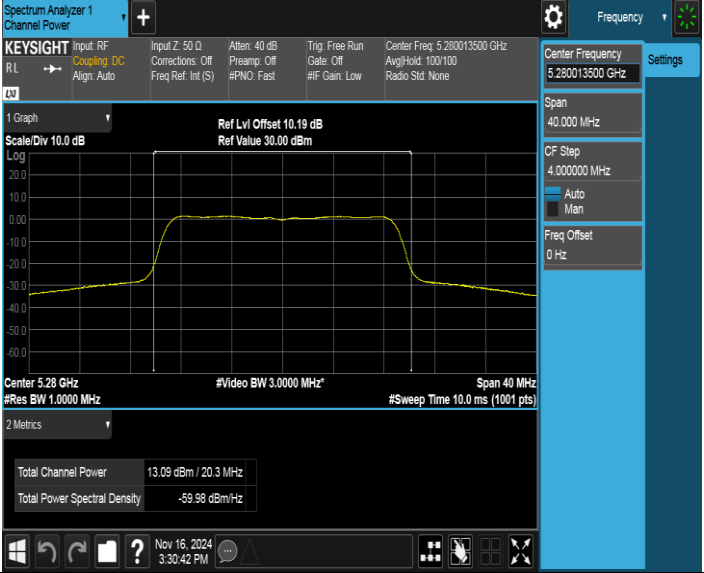


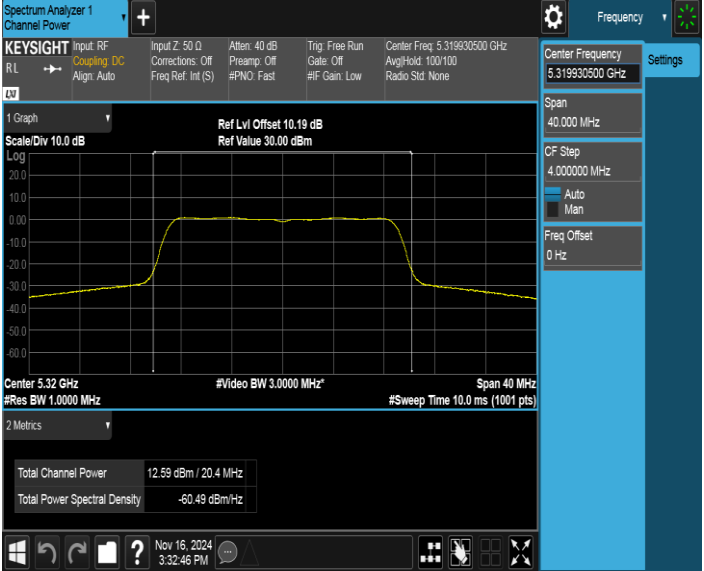
Test Mode	Test Channel	Verdict
11ac VHT20	5180	PASS
		

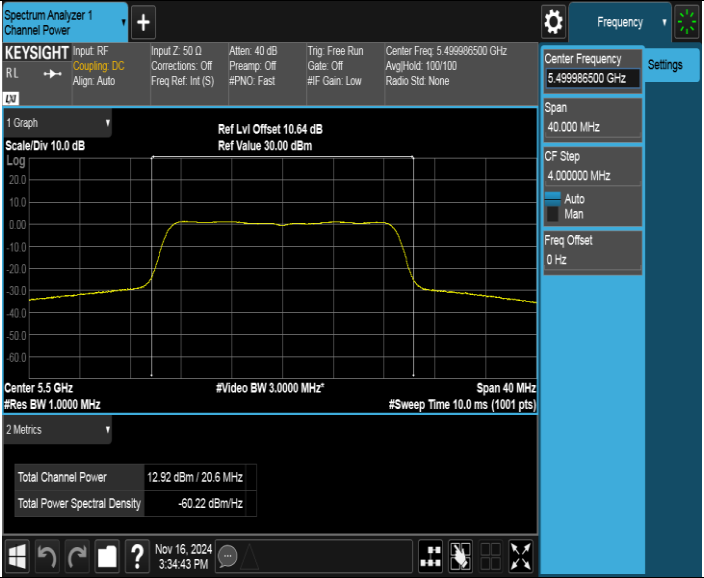
Test Mode	Test Channel	Verdict
11ac VHT20	5200	PASS
		

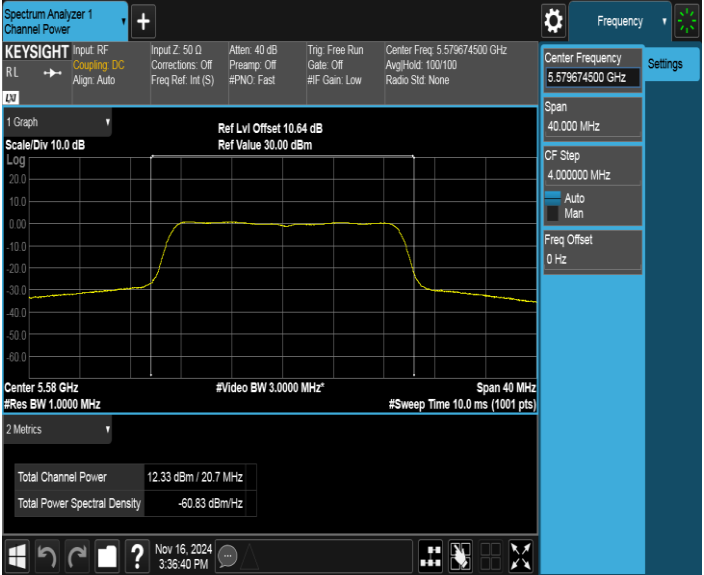
Test Mode	Test Channel	Verdict
11ac VHT20	5240	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.24 GHz with a span of 40 MHz. The signal is a rectangular pulse. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.24 GHz' and ranges from 5.200000 MHz to 5.280000 MHz. The plot shows a signal level of approximately 13 dBm. The 'Total Channel Power' is 13.09 dBm / 21.7 MHz, and the 'Total Power Spectral Density' is -60.27 dBm/Hz. The 'Ref Lvl Offset' is 10.12 dB and the 'Ref Value' is 30.00 dBm. The 'Center Frequency' is 5.240383500 GHz. The 'Span' is 40.000 MHz. The 'CF Step' is 4.000000 MHz. The 'Freq Offset' is 0 Hz. The 'Sweep Time' is 10.0 ms (1001 pts). The 'Video BW' is 3.0000 MHz. The 'Res BW' is 1.0000 MHz. The 'Input Z' is 50 Ω. The 'Atten' is 40 dB. The 'Trig' is Free Run. The 'Gate' is Off. The 'Ave/Hold' is 100/100. The 'Radio Std' is None. The 'Coupling' is DC. The 'Align' is Auto. The 'Corrections' are Off. The 'Preamp' is Off. The 'FNO' is Fast. The 'IF Gain' is Low. The 'Spectrum Analyzer 1 Channel Power' is selected. The 'Frequency' dropdown is set to 'Frequency'. The 'Settings' dropdown is set to 'Settings'. The 'Nov 16, 2024 3:24:15 PM' timestamp is visible at the bottom.</p>		

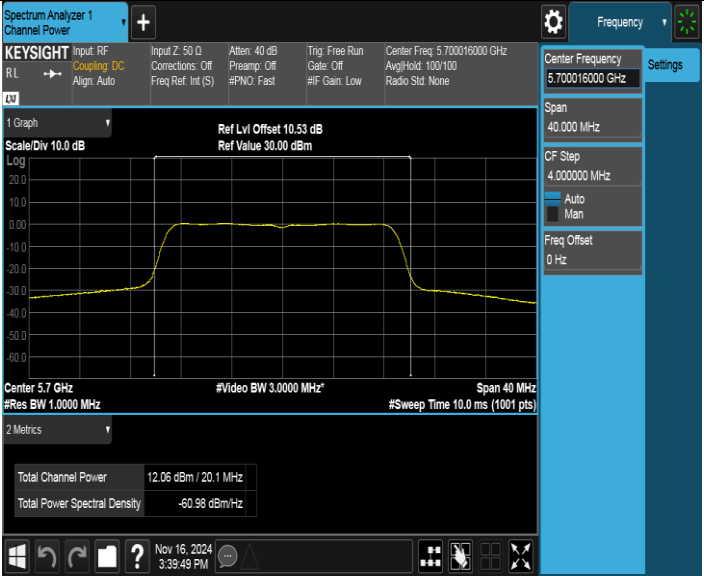
Test Mode	Test Channel	Verdict
11ac VHT20	5260	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.26 GHz with a span of 40 MHz. The signal is a rectangular pulse. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.26 GHz' and ranges from 5.220000 MHz to 5.300000 MHz. The plot shows a signal level of approximately 13 dBm. The 'Total Channel Power' is 13.15 dBm / 21.5 MHz, and the 'Total Power Spectral Density' is -60.16 dBm/Hz. The 'Ref Lvl Offset' is 10.12 dB and the 'Ref Value' is 30.00 dBm. The 'Center Frequency' is 5.259938000 GHz. The 'Span' is 40.000 MHz. The 'CF Step' is 4.000000 MHz. The 'Freq Offset' is 0 Hz. The 'Sweep Time' is 10.0 ms (1001 pts). The 'Video BW' is 3.0000 MHz. The 'Res BW' is 1.0000 MHz. The 'Input Z' is 50 Ω. The 'Atten' is 40 dB. The 'Trig' is Free Run. The 'Gate' is Off. The 'Ave/Hold' is 100/100. The 'Radio Std' is None. The 'Coupling' is DC. The 'Align' is Auto. The 'Corrections' are Off. The 'Preamp' is Off. The 'FNO' is Fast. The 'IF Gain' is Low. The 'Spectrum Analyzer 1 Channel Power' is selected. The 'Frequency' dropdown is set to 'Frequency'. The 'Settings' dropdown is set to 'Settings'. The 'Nov 16, 2024 3:26:15 PM' timestamp is visible at the bottom.</p>		

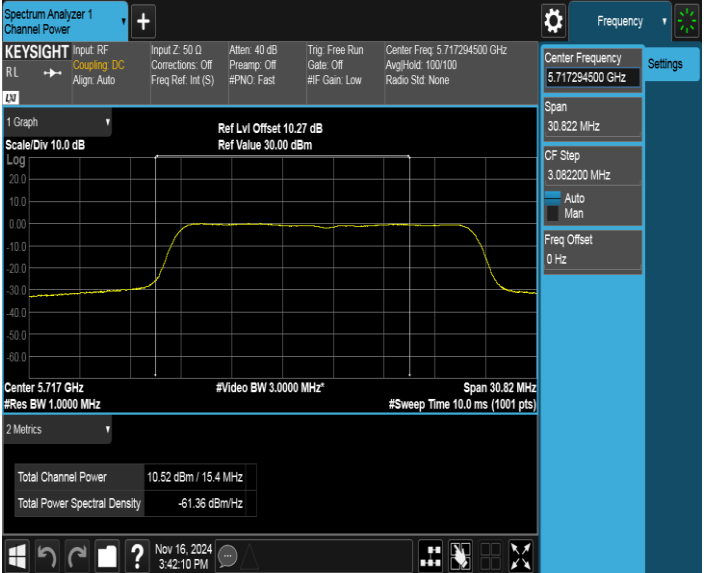
Test Mode	Test Channel	Verdict
11ac VHT20	5280	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.28 GHz with a total channel power of 13.09 dBm / 20.3 MHz. The plot is set to a scale of 10.0 dB and a span of 40 MHz. The signal is a rectangular pulse with a bandwidth of 3.0000 MHz. The total power spectral density is -59.98 dBm/Hz. The center frequency is 5.28013500 GHz. The span is 40.000 MHz. The CF step is 4.000000 MHz. The frequency offset is 0 Hz. The video bandwidth is 3.0000 MHz. The resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.19 dB and the reference value is 30.00 dBm.</p>		

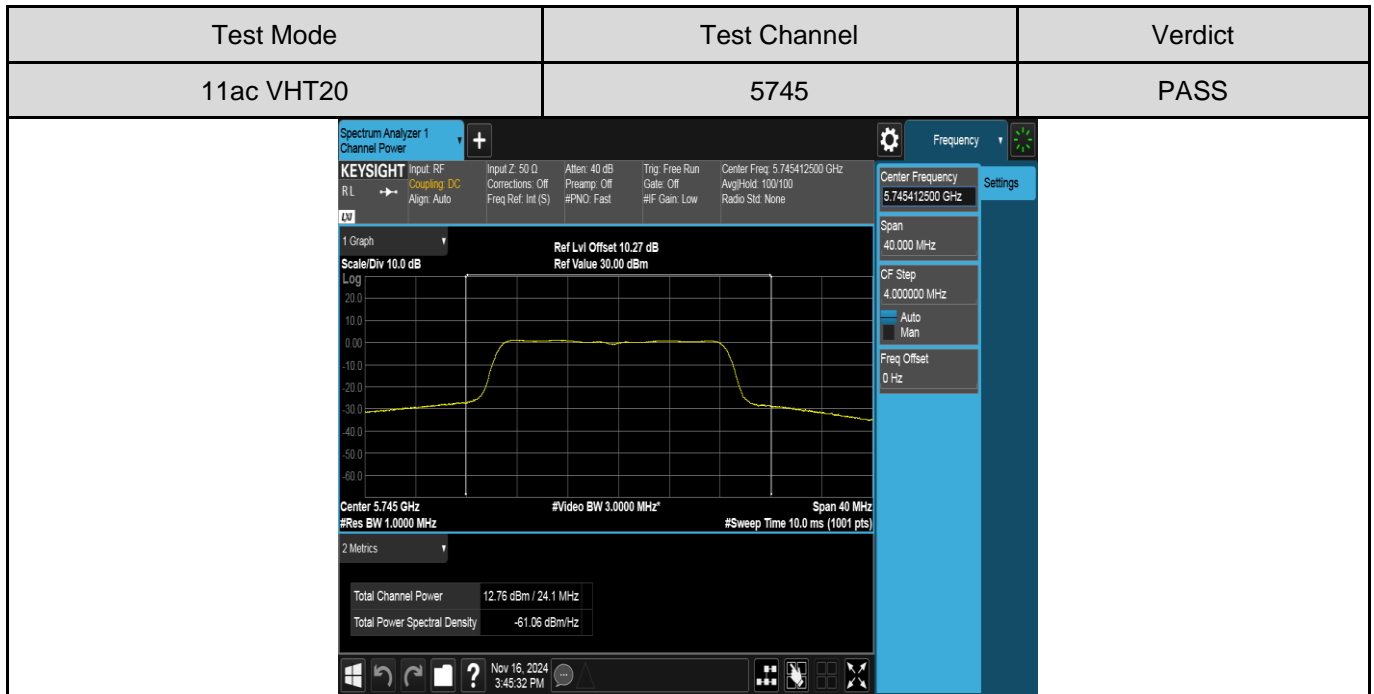
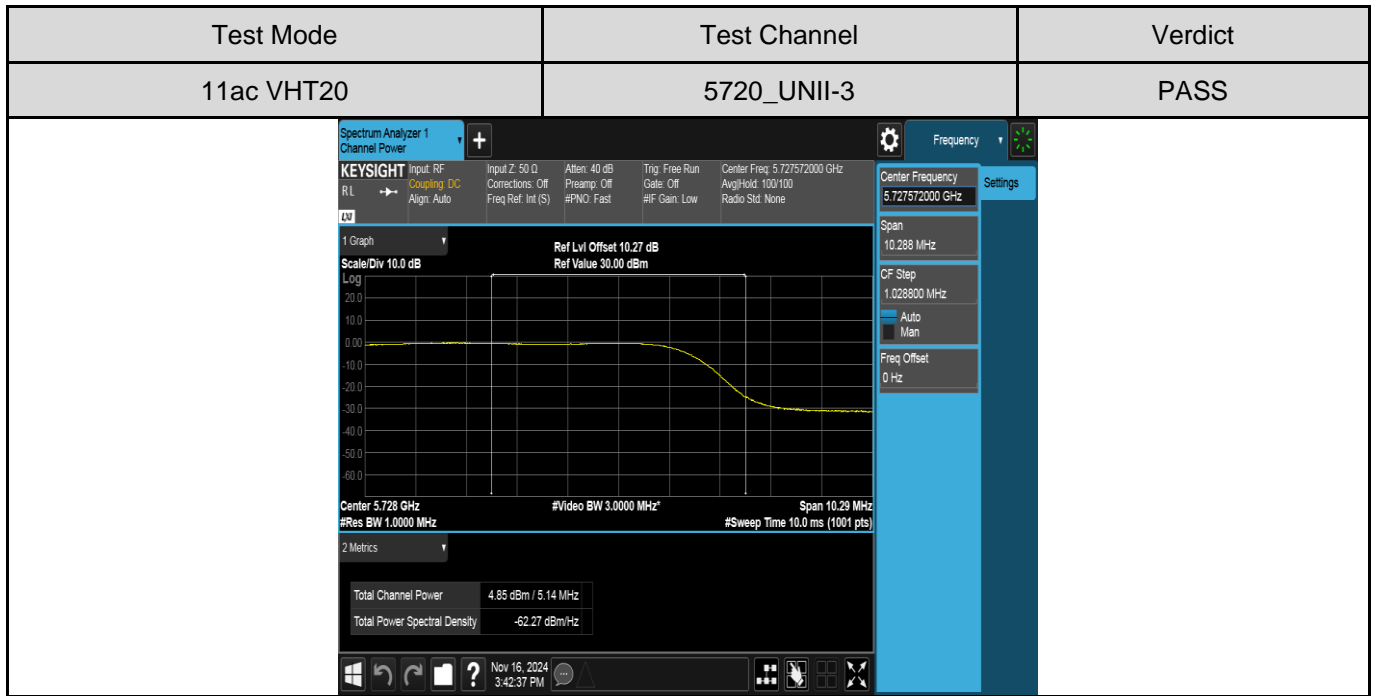
Test Mode	Test Channel	Verdict
11ac VHT20	5320	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.32 GHz with a total channel power of 12.59 dBm / 20.4 MHz. The plot is set to a scale of 10.0 dB and a span of 40 MHz. The signal is a rectangular pulse with a bandwidth of 3.0000 MHz. The total power spectral density is -60.49 dBm/Hz. The center frequency is 5.319930500 GHz. The span is 40.000 MHz. The CF step is 4.000000 MHz. The frequency offset is 0 Hz. The video bandwidth is 3.0000 MHz. The resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.19 dB and the reference value is 30.00 dBm.</p>		

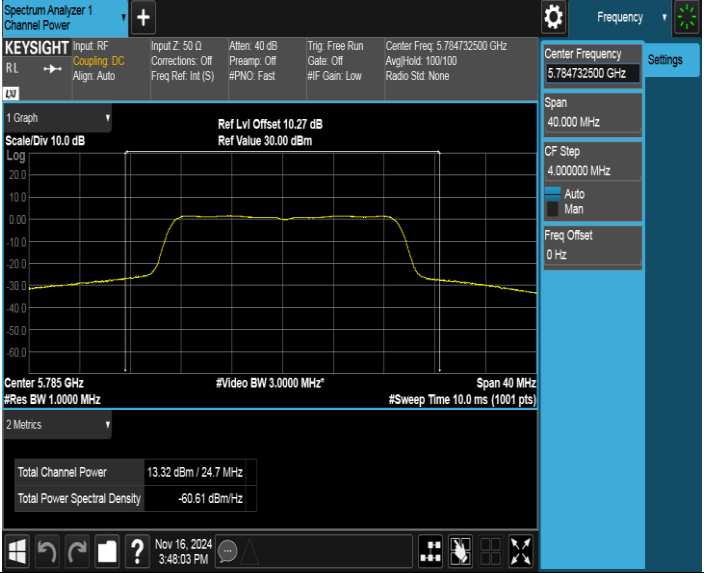
Test Mode	Test Channel	Verdict
11ac VHT20	5500	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.49986500 GHz with a span of 40.000 MHz. The signal is a rectangular pulse. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.5 GHz' and ranges from 5.49986500 GHz to 5.50013500 GHz. The plot shows a signal level of approximately 12.92 dBm. The settings panel on the right shows 'Center Frequency 5.49986500 GHz', 'Span 40.000 MHz', 'CF Step 4.000000 MHz', 'Auto Man', 'Freq Offset 0 Hz'. The bottom status bar shows 'Total Channel Power 12.92 dBm / 20.6 MHz' and 'Total Power Spectral Density -60.22 dBm/MHz'.</p>		

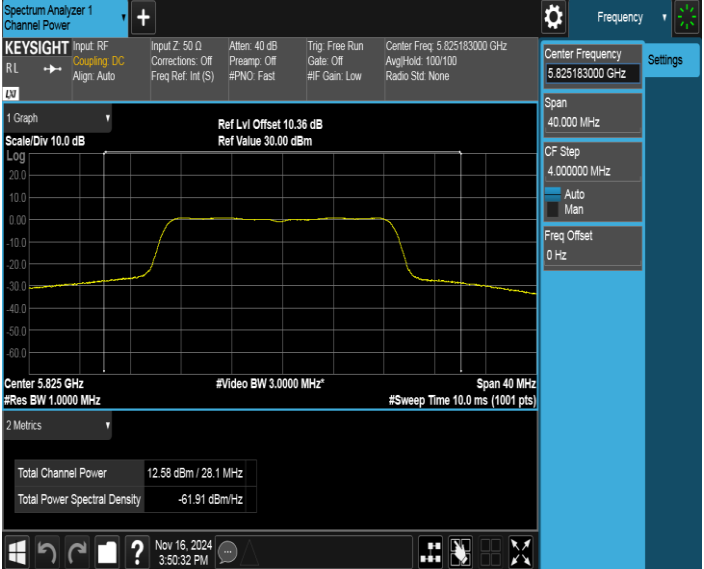
Test Mode	Test Channel	Verdict
11ac VHT20	5580	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.579674500 GHz with a span of 40.000 MHz. The signal is a rectangular pulse. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.58 GHz' and ranges from 5.579674500 GHz to 5.580325500 GHz. The plot shows a signal level of approximately 12.33 dBm. The settings panel on the right shows 'Center Frequency 5.579674500 GHz', 'Span 40.000 MHz', 'CF Step 4.000000 MHz', 'Auto Man', 'Freq Offset 0 Hz'. The bottom status bar shows 'Total Channel Power 12.33 dBm / 20.7 MHz' and 'Total Power Spectral Density -60.83 dBm/MHz'.</p>		

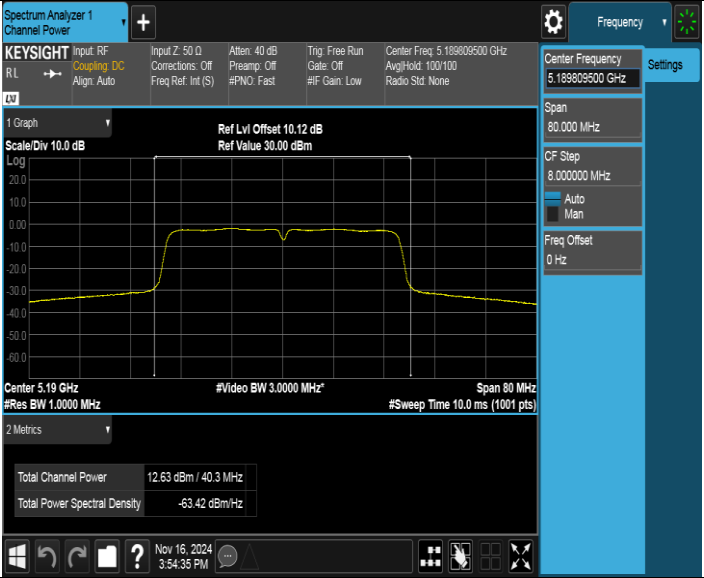
Test Mode	Test Channel	Verdict
11ac VHT20	5700	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.7 GHz with a total channel power of 12.06 dBm / 20.1 MHz. The settings panel on the right shows a center frequency of 5.70016000 GHz, a span of 40.000 MHz, and a resolution bandwidth of 3.00000 MHz. The bottom status bar shows the date and time as Nov 16, 2024, 3:39:49 PM.</p>		

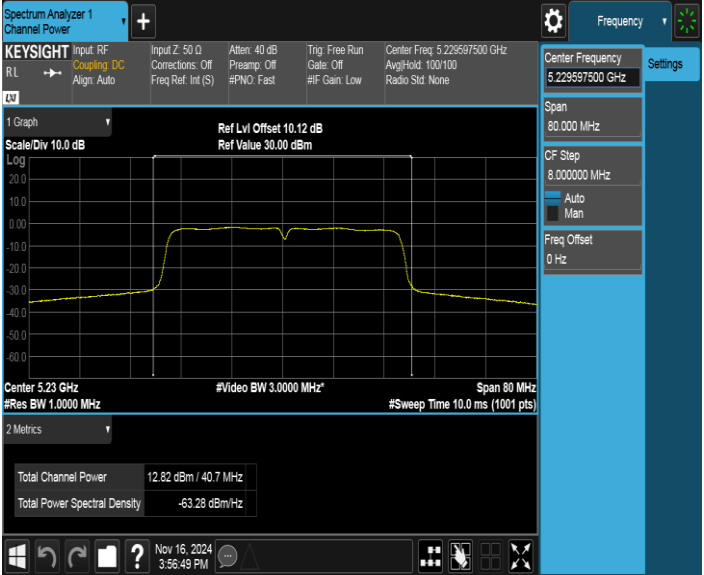
Test Mode	Test Channel	Verdict
11ac VHT20	5720_UNII-2C	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.717 GHz with a total channel power of 10.52 dBm / 15.4 MHz. The settings panel on the right shows a center frequency of 5.717294500 GHz, a span of 30.822 MHz, and a resolution bandwidth of 3.082200 MHz. The bottom status bar shows the date and time as Nov 16, 2024, 3:42:10 PM.</p>		

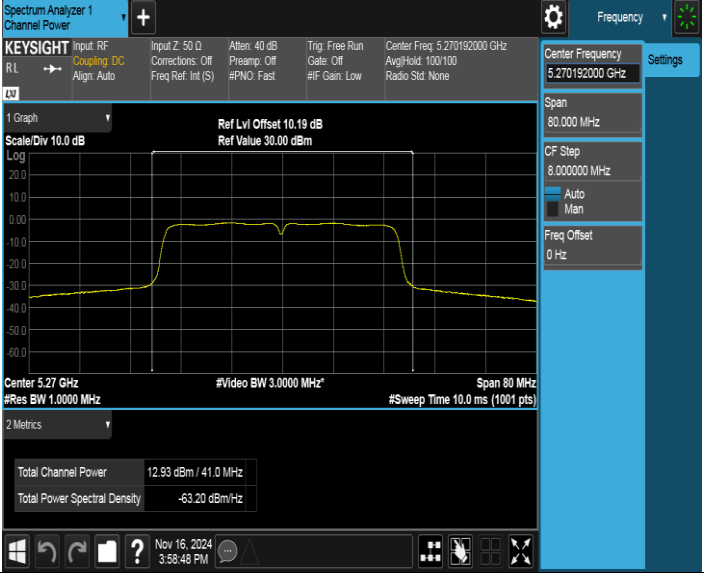


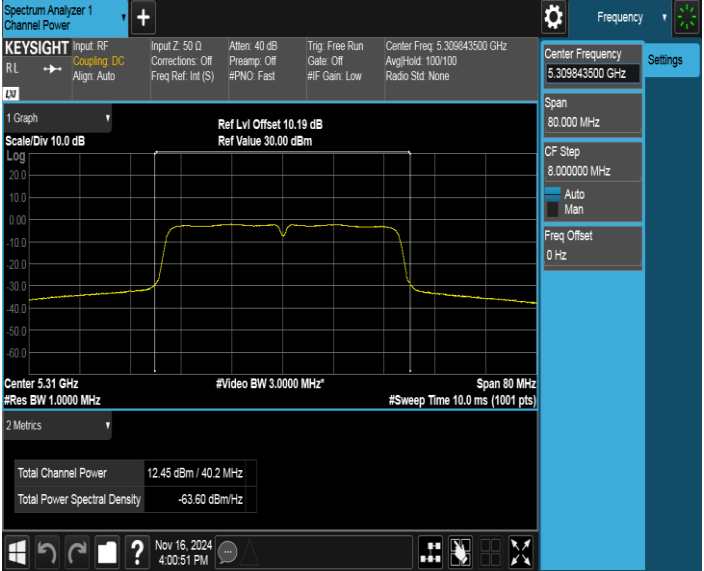
Test Mode	Test Channel	Verdict
11ac VHT20	5785	PASS
		

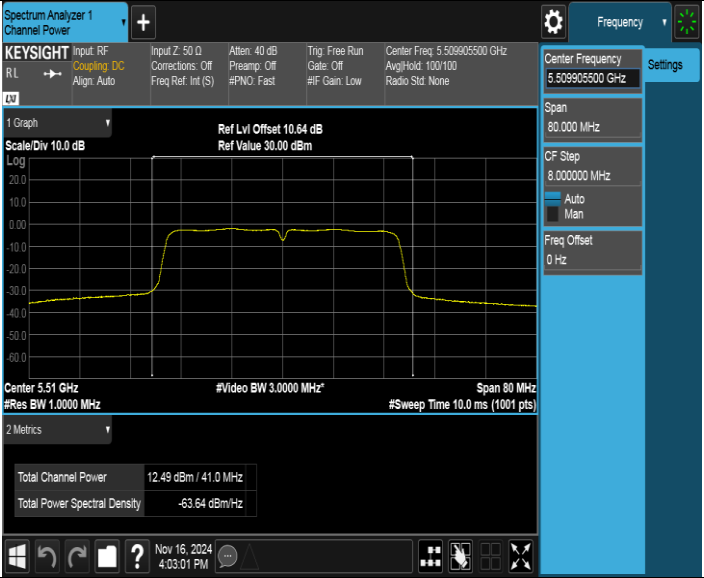
Test Mode	Test Channel	Verdict
11ac VHT20	5825	PASS
		

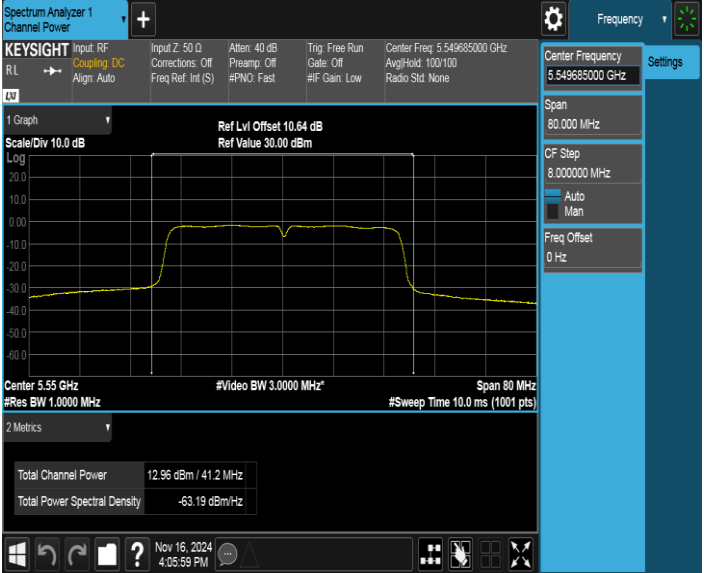
Test Mode	Test Channel	Verdict
11ac VHT40	5190	PASS
		

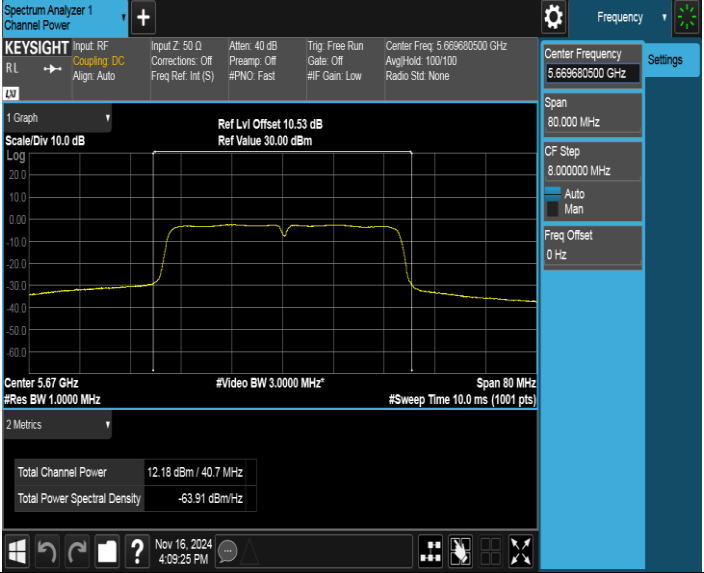
Test Mode	Test Channel	Verdict
11ac VHT40	5230	PASS
		

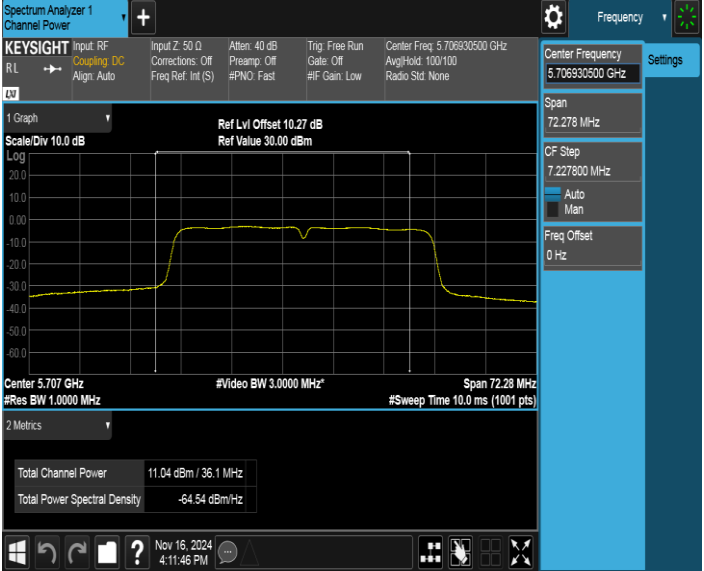
Test Mode	Test Channel	Verdict
11ac VHT40	5270	PASS
		

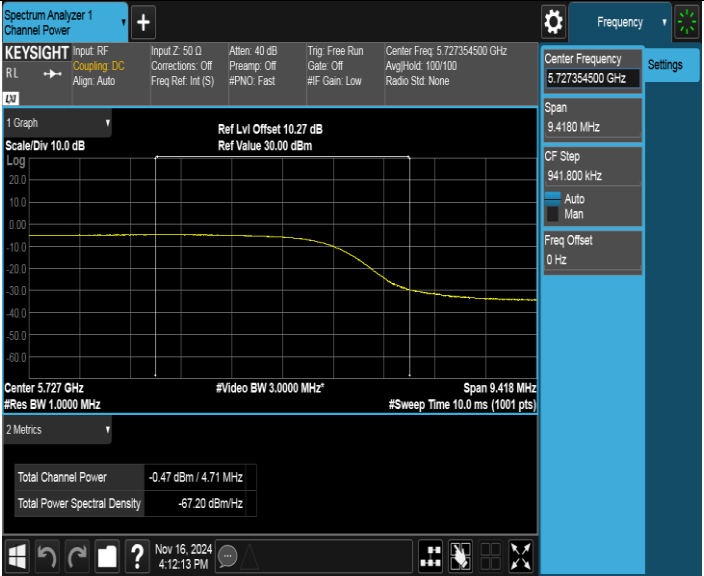
Test Mode	Test Channel	Verdict
11ac VHT40	5310	PASS
		

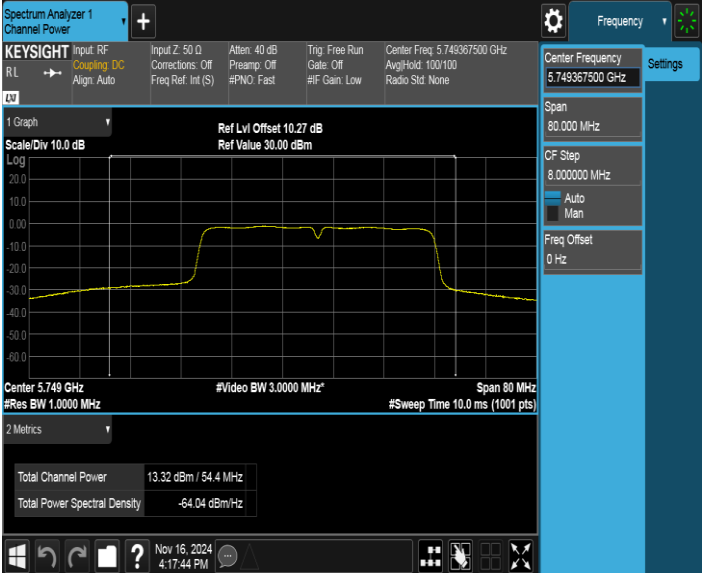
Test Mode	Test Channel	Verdict
11ac VHT40	5510	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.51 GHz with a total channel power of 12.49 dBm / 41.0 MHz. The plot is set to a scale of 10.0 dB and a span of 80 MHz. The signal is a 11ac VHT40 channel. The interface includes various settings such as Center Frequency, Span, CF Step, and Freq Offset. The bottom status bar shows the date and time as Nov 16, 2024, 4:03:01 PM.</p>		

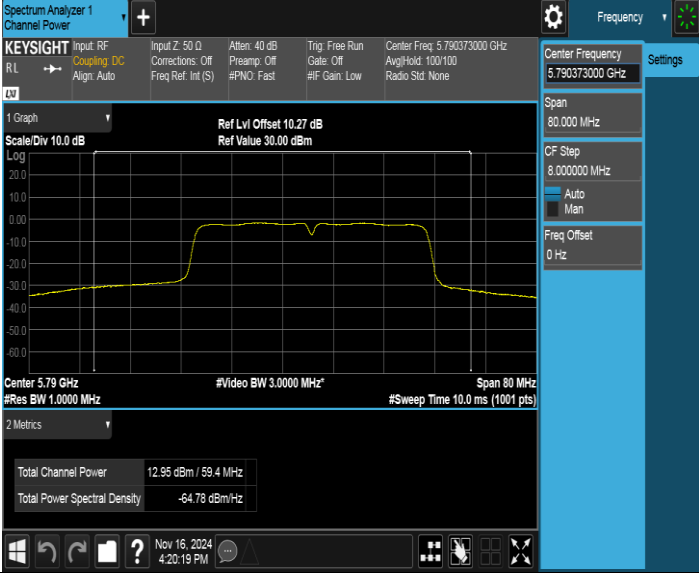
Test Mode	Test Channel	Verdict
11ac VHT40	5550	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.55 GHz with a total channel power of 12.96 dBm / 41.2 MHz. The plot is set to a scale of 10.0 dB and a span of 80 MHz. The signal is a 11ac VHT40 channel. The interface includes various settings such as Center Frequency, Span, CF Step, and Freq Offset. The bottom status bar shows the date and time as Nov 16, 2024, 4:05:59 PM.</p>		

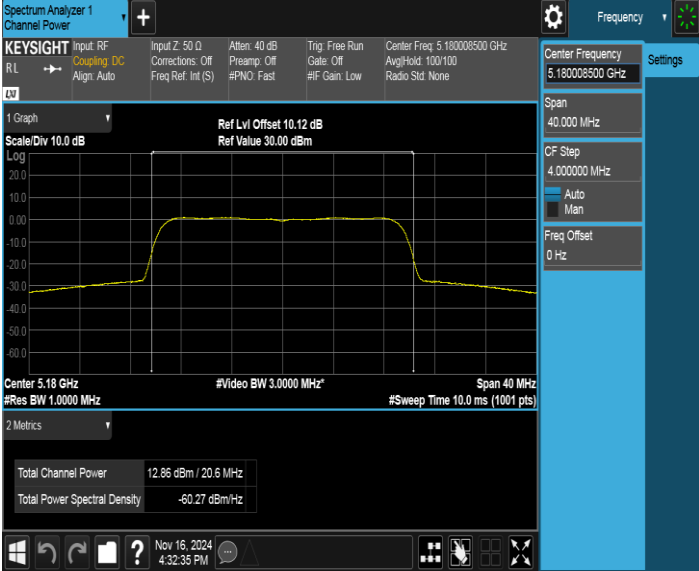
Test Mode	Test Channel	Verdict
11ac VHT40	5670	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.67 GHz with a total channel power of 12.18 dBm / 40.7 MHz. The reference level is set to 10.53 dB. The span is 80 MHz, and the resolution bandwidth is 1.0000 MHz. The video bandwidth is 3.0000 MHz. The sweep time is 10.0 ms (1001 pts). The total power spectral density is -63.91 dBm/Hz.</p>		

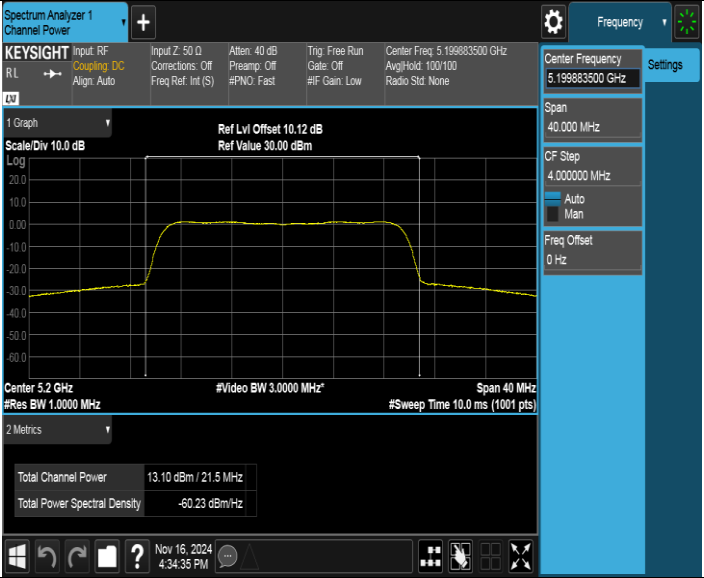
Test Mode	Test Channel	Verdict
11ac VHT40	5710_UNII-2C	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.707 GHz with a total channel power of 11.04 dBm / 36.1 MHz. The reference level is set to 10.27 dB. The span is 72.28 MHz, and the resolution bandwidth is 1.0000 MHz. The video bandwidth is 3.0000 MHz. The sweep time is 10.0 ms (1001 pts). The total power spectral density is -64.54 dBm/Hz.</p>		

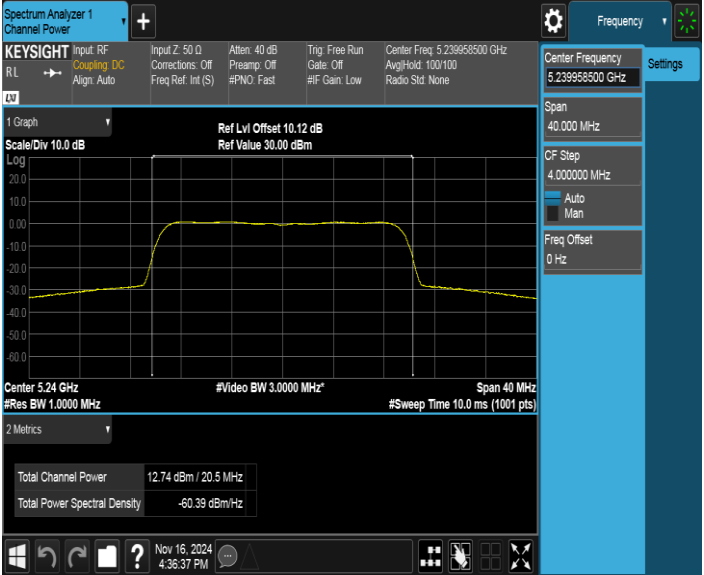
Test Mode	Test Channel	Verdict
11ac VHT40	5710_UNII-3	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.727 GHz with a total channel power of -0.47 dBm / 4.71 MHz. The plot is set to a scale of 10.0 dB and a span of 9.418 MHz. The center frequency is 5.727354500 GHz. The plot shows a signal with a peak at 5.727 GHz and a total channel power of -0.47 dBm / 4.71 MHz. The plot also shows the total power spectral density at -67.20 dBm/Hz.</p>		

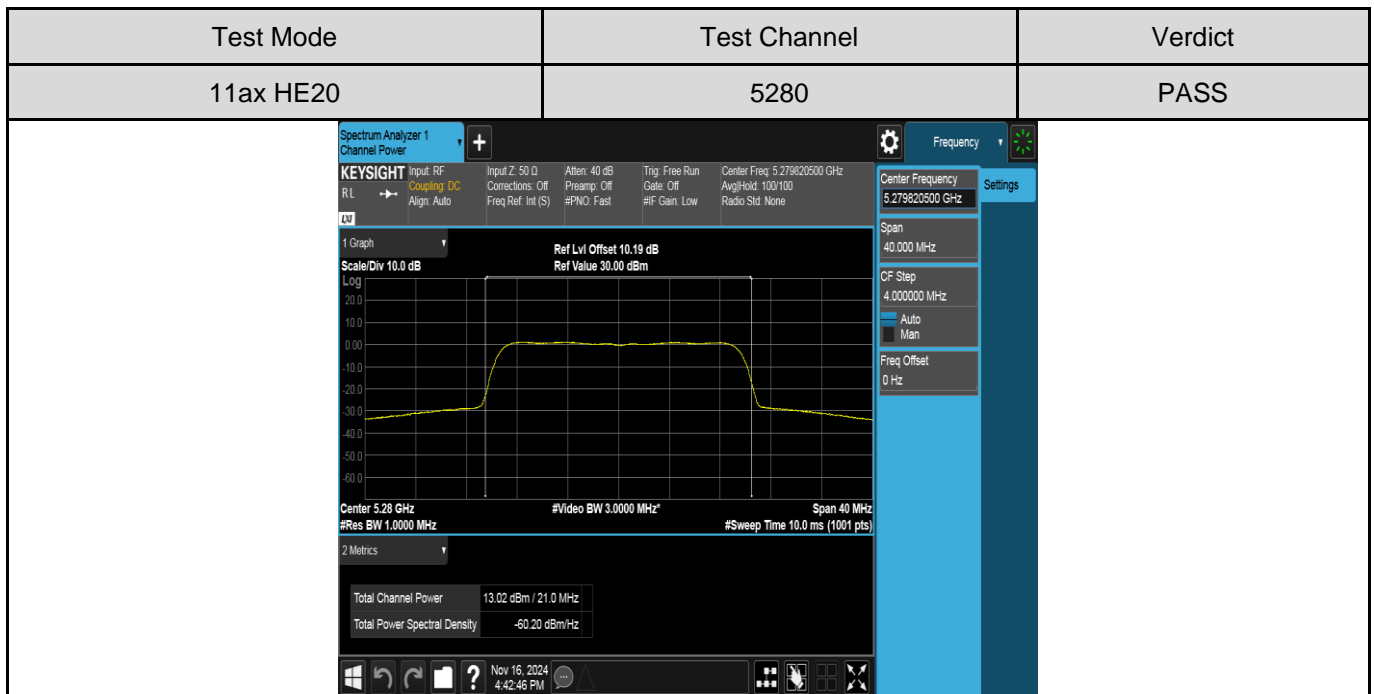
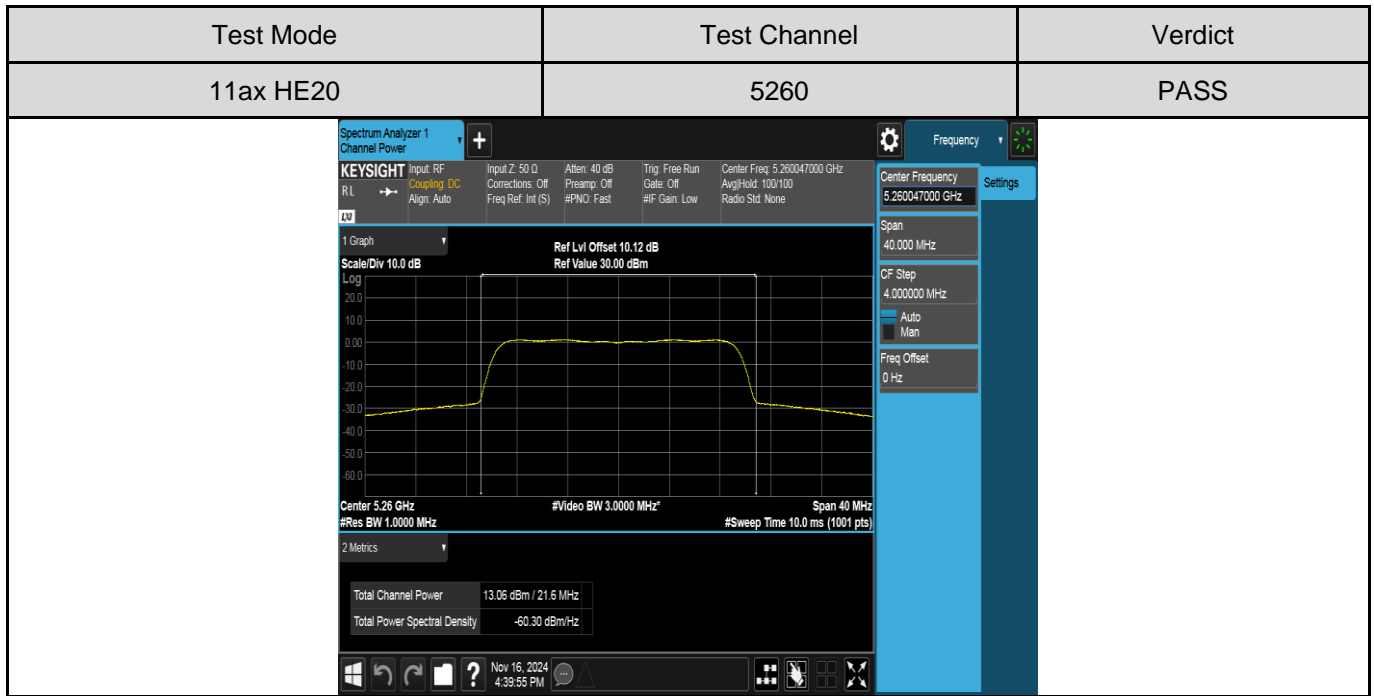
Test Mode	Test Channel	Verdict
11ac VHT40	5755	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.749 GHz with a total channel power of 13.32 dBm / 54.4 MHz. The plot is set to a scale of 10.0 dB and a span of 80.0 MHz. The center frequency is 5.749367500 GHz. The plot shows a signal with a peak at 5.749 GHz and a total channel power of 13.32 dBm / 54.4 MHz. The plot also shows the total power spectral density at -64.04 dBm/Hz.</p>		

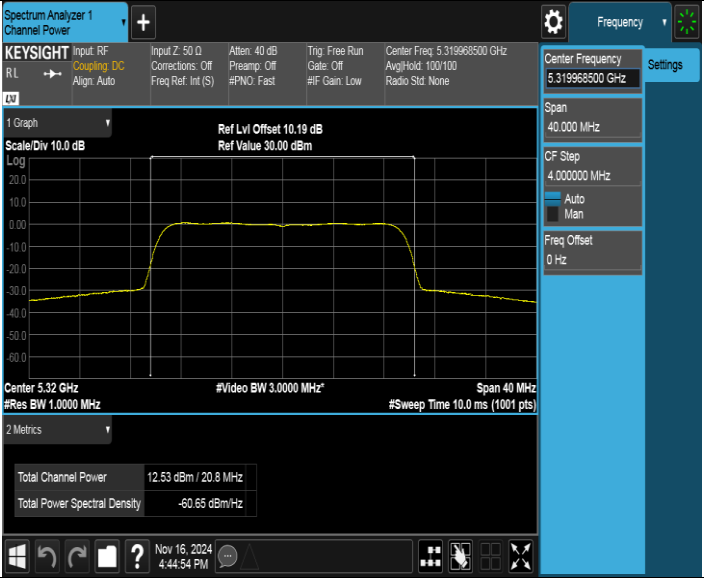
Test Mode	Test Channel	Verdict
11ac VHT40	5795	PASS
 <p>Spectrum Analyzer 1 Channel Power</p> <p>KEYSIGHT Input: RF Input Z: 50 Ω Attenu: 40 dB Trig: Free Run Center Freq: 5.790373000 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #PNO: Fast #IF Gain: Low Radio Std: None</p> <p>Center Frequency: 5.790373000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz</p> <p>1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.27 dB Ref Value: 30.00 dBm</p> <p>Center: 5.79 GHz #Video BW: 3.0000 MHz* Span: 80 MHz #Res BW: 1.0000 MHz #Sweep Time: 10.0 ms (1001 pts)</p> <p>2 Metrics Total Channel Power: 12.95 dBm / 59.4 MHz Total Power Spectral Density: -64.78 dBm/MHz</p> <p>Nov 16, 2024 4:20:19 PM</p>		

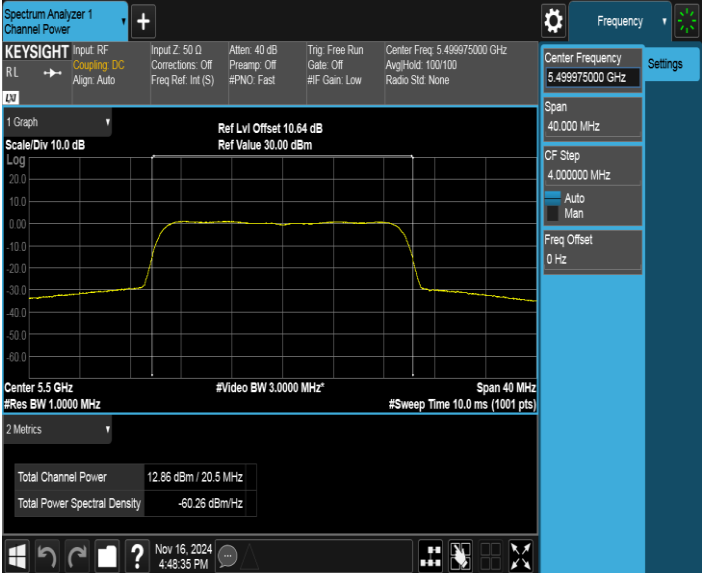
Test Mode	Test Channel	Verdict
11ax HE20	5180	PASS
 <p>Spectrum Analyzer 1 Channel Power</p> <p>KEYSIGHT Input: RF Input Z: 50 Ω Attenu: 40 dB Trig: Free Run Center Freq: 5.180008500 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #PNO: Fast #IF Gain: Low Radio Std: None</p> <p>Center Frequency: 5.180008500 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Auto Man Freq Offset: 0 Hz</p> <p>1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.12 dB Ref Value: 30.00 dBm</p> <p>Center: 5.18 GHz #Video BW: 3.0000 MHz* Span: 40 MHz #Res BW: 1.0000 MHz #Sweep Time: 10.0 ms (1001 pts)</p> <p>2 Metrics Total Channel Power: 12.86 dBm / 20.6 MHz Total Power Spectral Density: -60.27 dBm/MHz</p> <p>Nov 16, 2024 4:32:35 PM</p>		

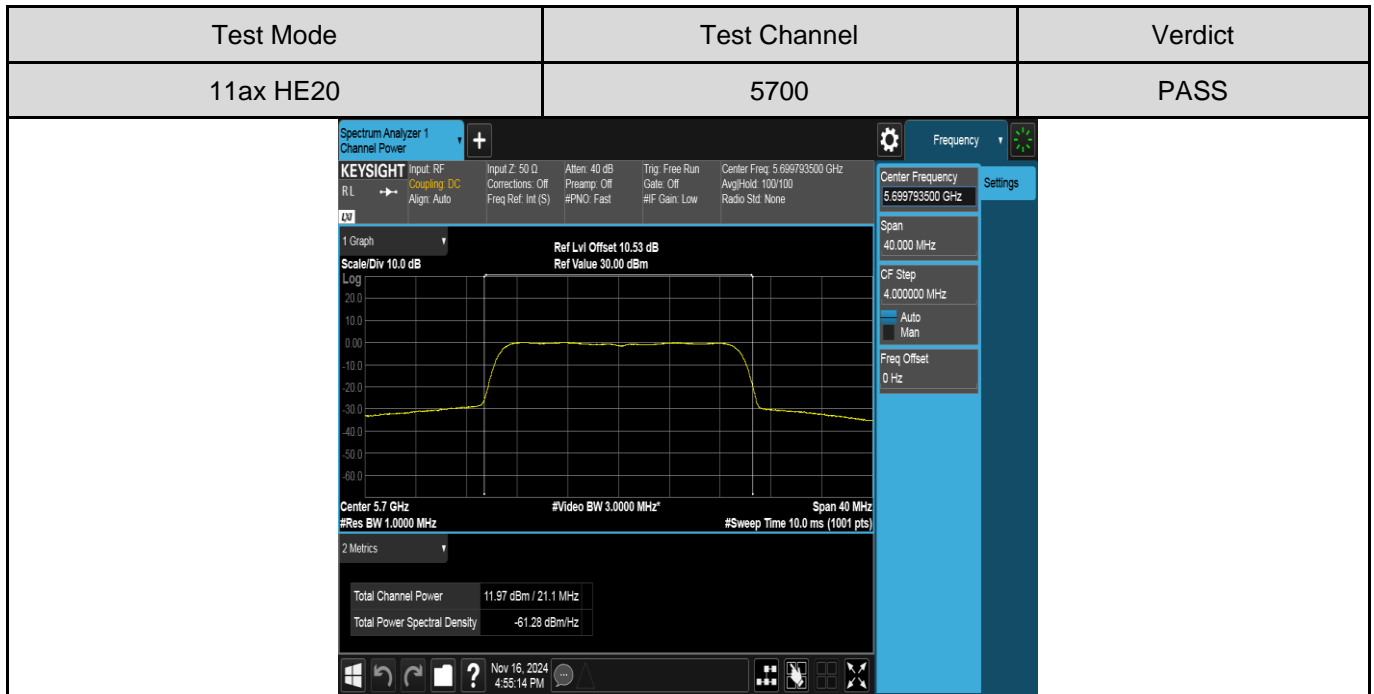
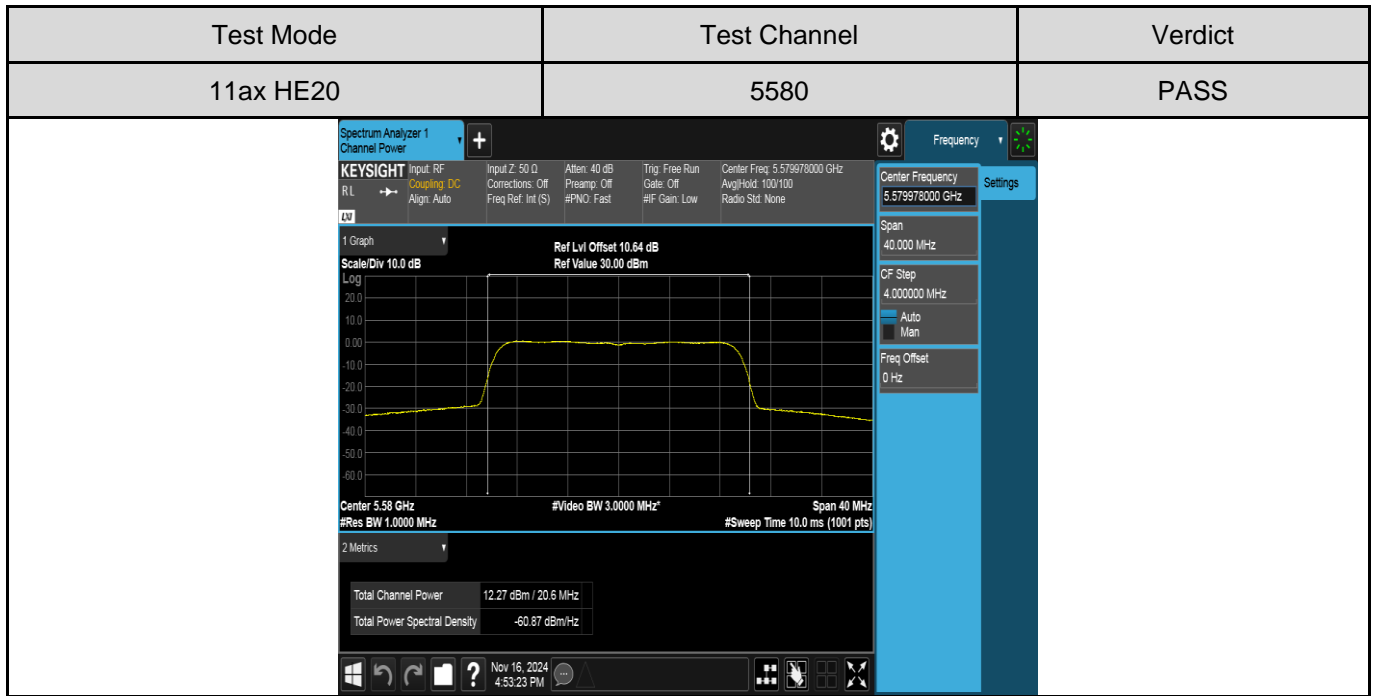
Test Mode	Test Channel	Verdict
11ax HE20	5200	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.2 GHz. The settings on the right indicate a center frequency of 5.199883500 GHz, a span of 40.000 MHz, and a resolution bandwidth of 3.00000 MHz. The bottom status bar shows the total channel power as 13.10 dBm / 21.5 MHz and the total power spectral density as -60.23 dBm/Hz.</p>		

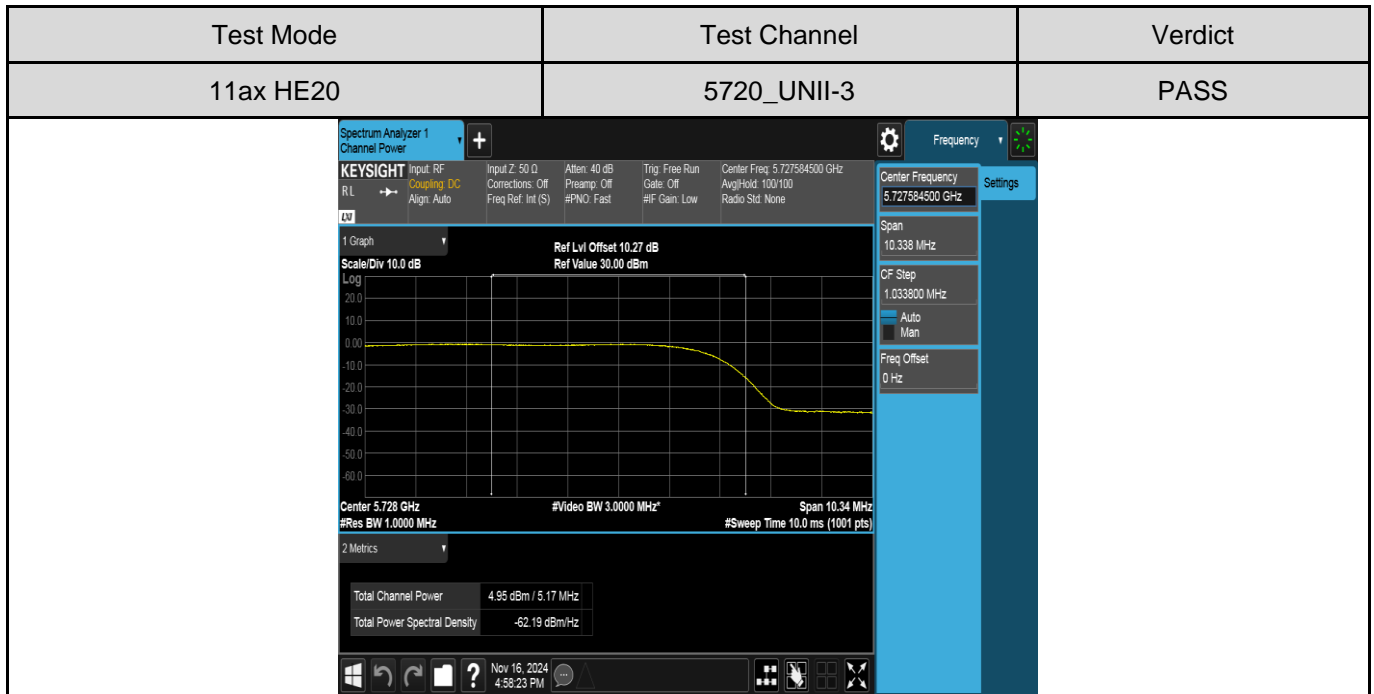
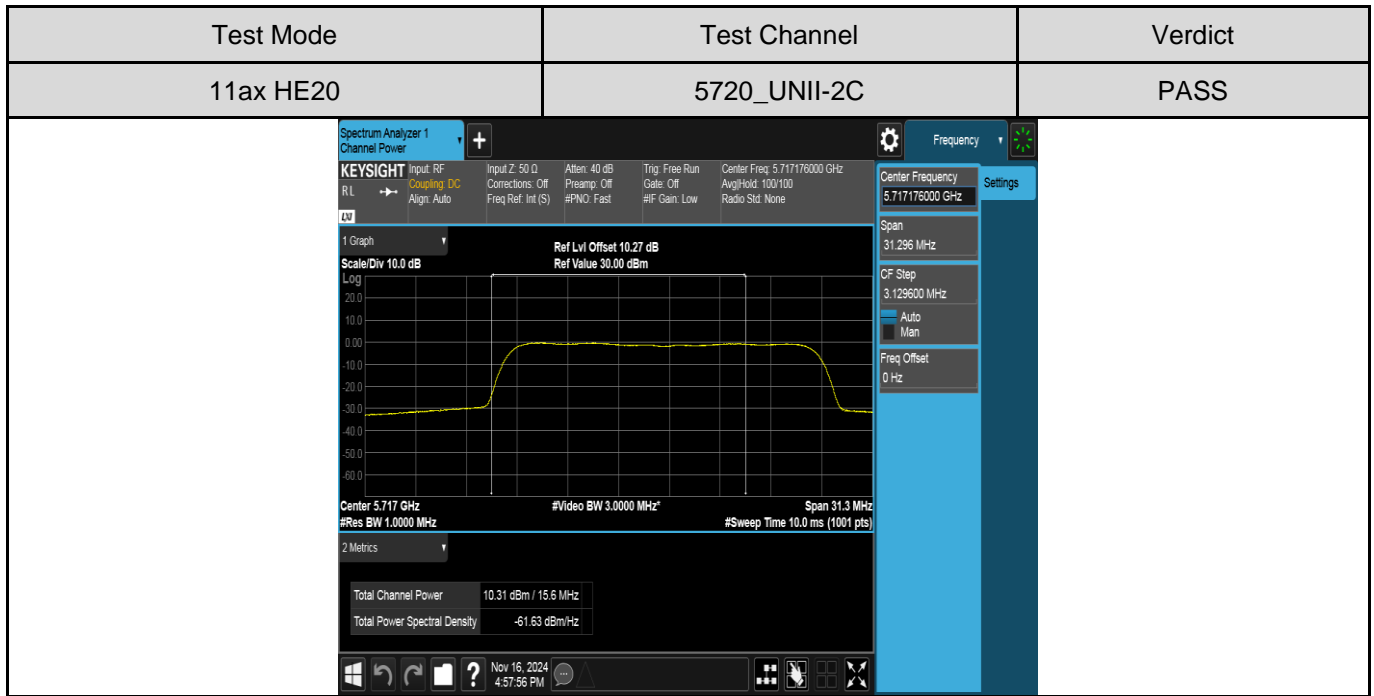
Test Mode	Test Channel	Verdict
11ax HE20	5240	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.24 GHz. The settings on the right indicate a center frequency of 5.239958500 GHz, a span of 40.000 MHz, and a resolution bandwidth of 3.00000 MHz. The bottom status bar shows the total channel power as 12.74 dBm / 20.5 MHz and the total power spectral density as -60.38 dBm/Hz.</p>		

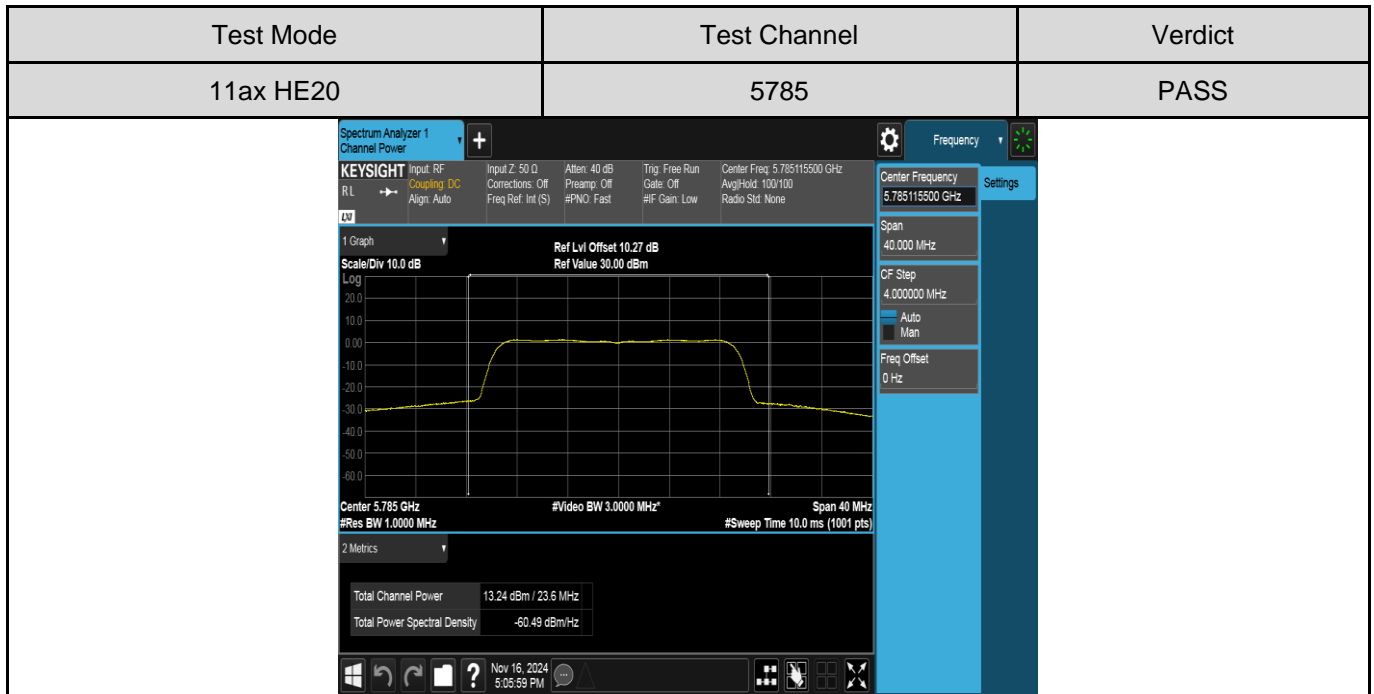
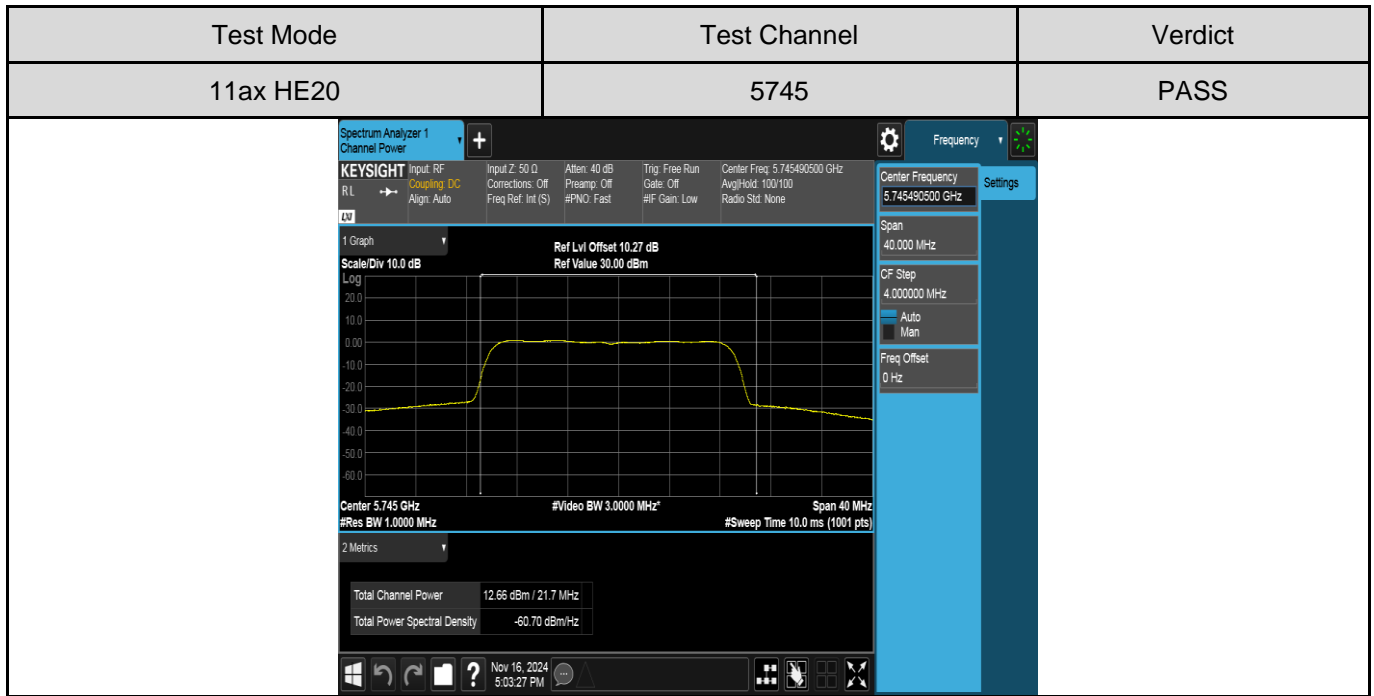


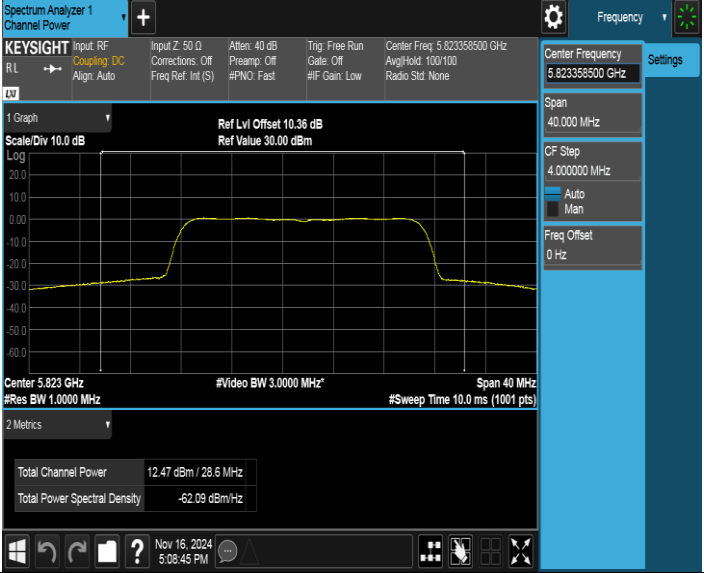
Test Mode	Test Channel	Verdict
11ax HE20	5320	PASS
		

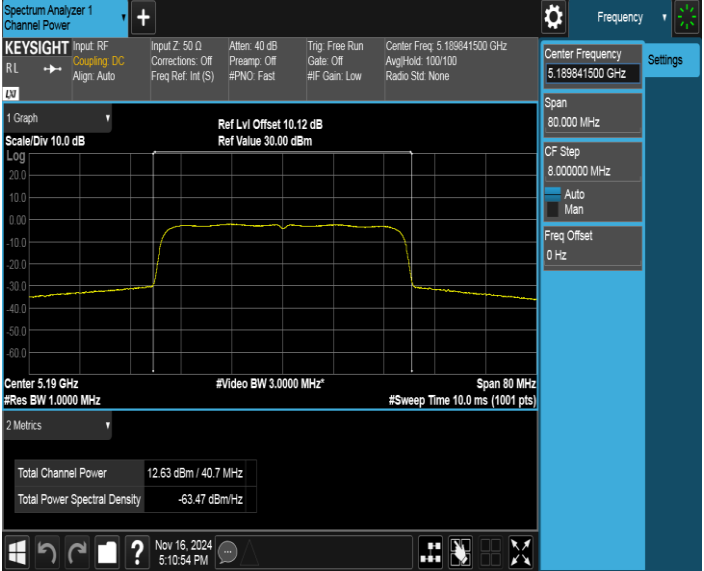
Test Mode	Test Channel	Verdict
11ax HE20	5500	PASS
		

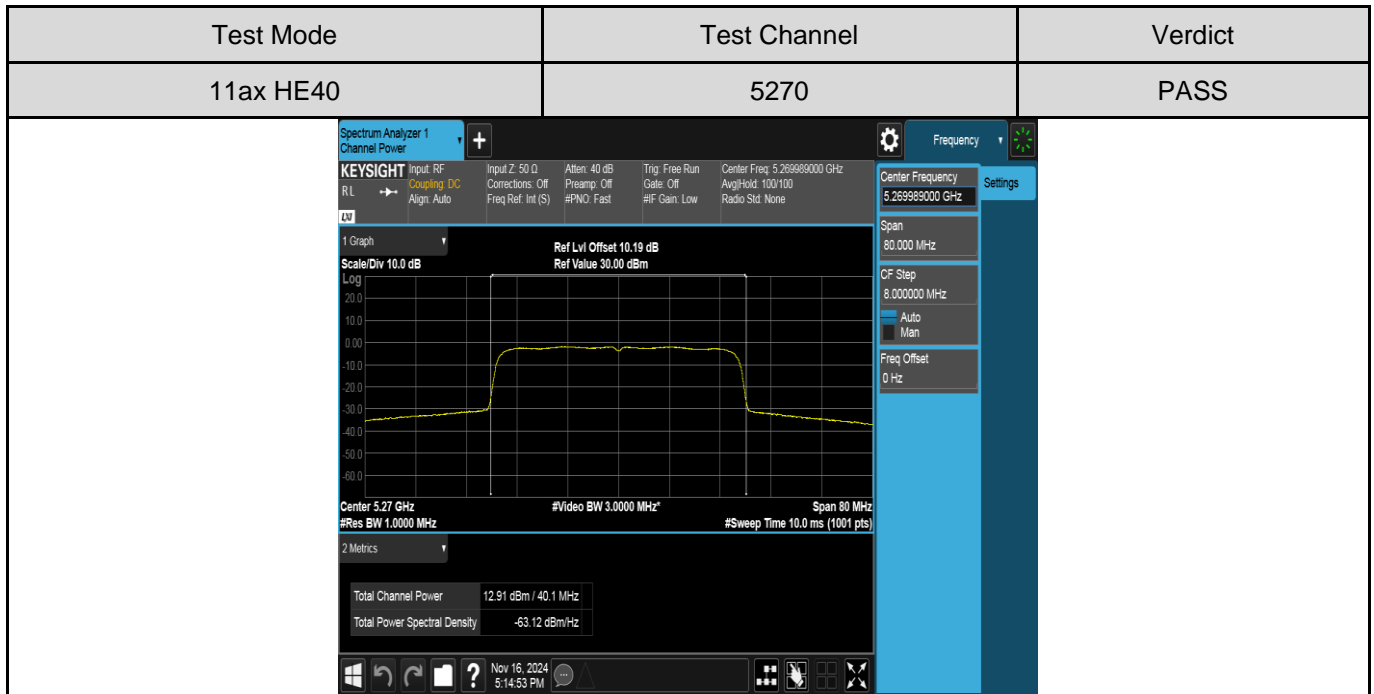
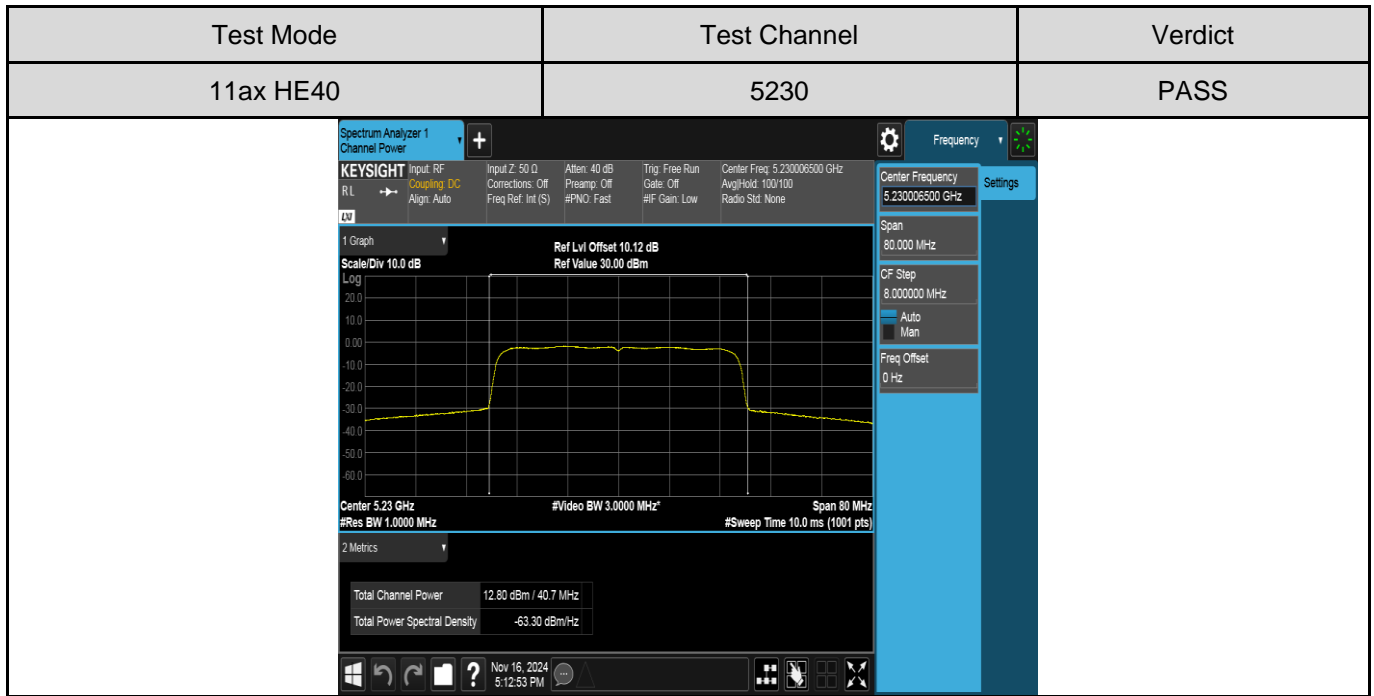


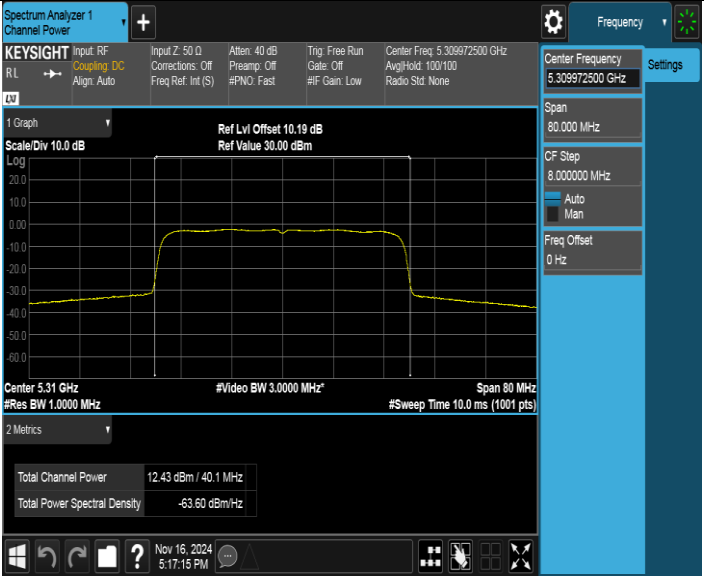


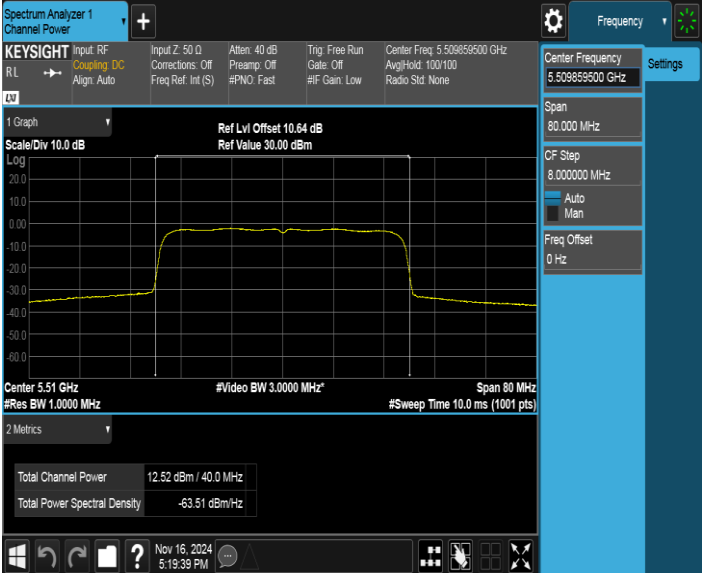


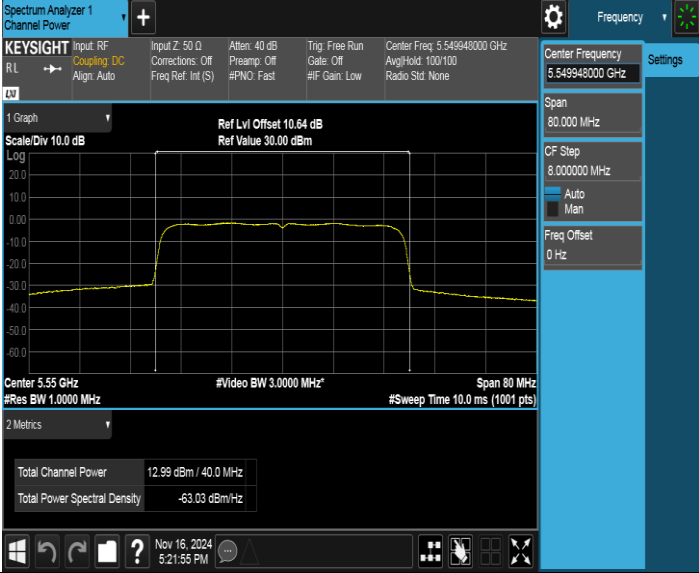
Test Mode	Test Channel	Verdict
11ax HE20	5825	PASS
 <p>Spectrum Analyzer 1 Channel Power</p> <p>KEYSIGHT Input: RF Input Z: 50 Ω Attenu: 40 dB Trig: Free Run Center Freq: 5.82358500 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #PNO: Fast #IF Gain: Low Radio Std: None</p> <p>Center Frequency: 5.82358500 GHz</p> <p>Span: 40.000 MHz</p> <p>CF Step: 4.000000 MHz</p> <p>Freq Offset: 0 Hz</p> <p>1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.36 dB Ref Value: 30.00 dBm</p> <p>Center: 5.823 GHz #Video BW: 3.0000 MHz* Span: 40 MHz #Res BW: 1.0000 MHz #Sweep Time: 10.0 ms (1001 pts)</p> <p>2 Metrics</p> <p>Total Channel Power: 12.47 dBm / 28.6 MHz</p> <p>Total Power Spectral Density: -62.09 dBm/Hz</p> <p>Nov 16, 2024 5:08:45 PM</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5190	PASS
 <p>Spectrum Analyzer 1 Channel Power</p> <p>KEYSIGHT Input: RF Input Z: 50 Ω Attenu: 40 dB Trig: Free Run Center Freq: 5.189841500 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #PNO: Fast #IF Gain: Low Radio Std: None</p> <p>Center Frequency: 5.189841500 GHz</p> <p>Span: 80.000 MHz</p> <p>CF Step: 8.000000 MHz</p> <p>Freq Offset: 0 Hz</p> <p>1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.12 dB Ref Value: 30.00 dBm</p> <p>Center: 5.19 GHz #Video BW: 3.0000 MHz* Span: 80 MHz #Res BW: 1.0000 MHz #Sweep Time: 10.0 ms (1001 pts)</p> <p>2 Metrics</p> <p>Total Channel Power: 12.63 dBm / 40.7 MHz</p> <p>Total Power Spectral Density: -63.47 dBm/Hz</p> <p>Nov 16, 2024 5:10:54 PM</p>		

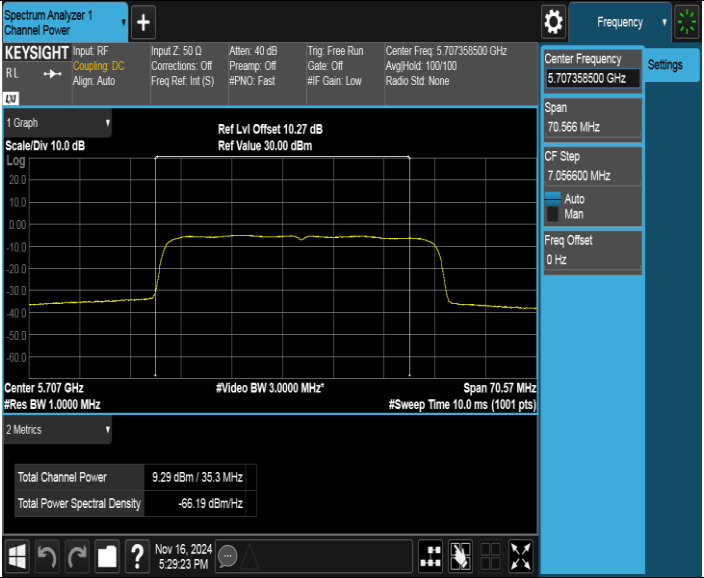


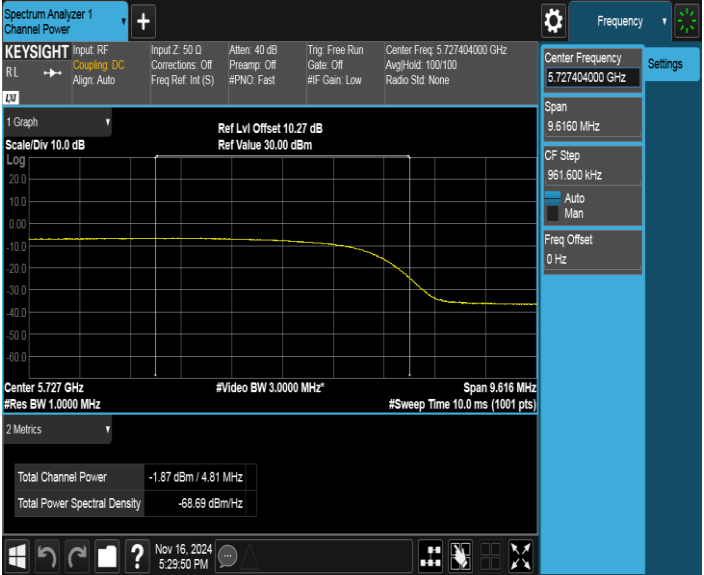
Test Mode	Test Channel	Verdict
11ax HE40	5310	PASS
 <p>Spectrum Analyzer 1 Channel Power</p> <p>KEYSIGHT Input: RF Input Z: 50 Ω Attenu: 40 dB Trig: Free Run Center Freq: 5.30972500 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #PNO: Fast #IF Gain: Low Radio Std: None</p> <p>Center Frequency: 5.30972500 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz</p> <p>1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.19 dB Ref Value: 30.00 dBm</p> <p>Center: 5.31 GHz #Res BW: 1.0000 MHz #Video BW: 3.0000 MHz Span: 80 MHz #Sweep Time: 10.0 ms (1001 pts)</p> <p>2 Metrics Total Channel Power: 12.43 dBm / 40.1 MHz Total Power Spectral Density: -63.60 dBm/Hz</p> <p>Nov 16, 2024 5:17:15 PM</p>		

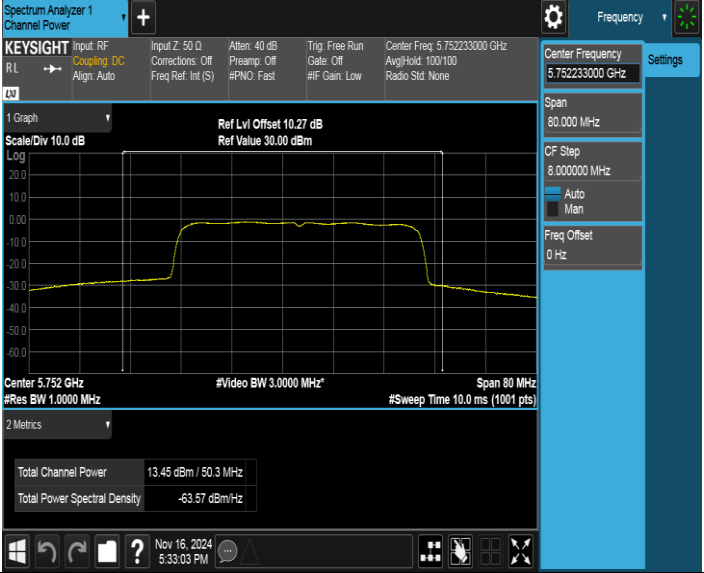
Test Mode	Test Channel	Verdict
11ax HE40	5510	PASS
 <p>Spectrum Analyzer 1 Channel Power</p> <p>KEYSIGHT Input: RF Input Z: 50 Ω Attenu: 40 dB Trig: Free Run Center Freq: 5.509859500 GHz Coupling: DC Corrections: Off Preamp: Off Gate: Off Avg/Hold: 100/100 Align: Auto Freq Ref: Int (S) #PNO: Fast #IF Gain: Low Radio Std: None</p> <p>Center Frequency: 5.509859500 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz</p> <p>1 Graph Scale/Div: 10.0 dB Log Ref Lvl Offset: 10.64 dB Ref Value: 30.00 dBm</p> <p>Center: 5.51 GHz #Res BW: 1.0000 MHz #Video BW: 3.0000 MHz Span: 80 MHz #Sweep Time: 10.0 ms (1001 pts)</p> <p>2 Metrics Total Channel Power: 12.52 dBm / 40.0 MHz Total Power Spectral Density: -63.51 dBm/Hz</p> <p>Nov 16, 2024 5:19:39 PM</p>		

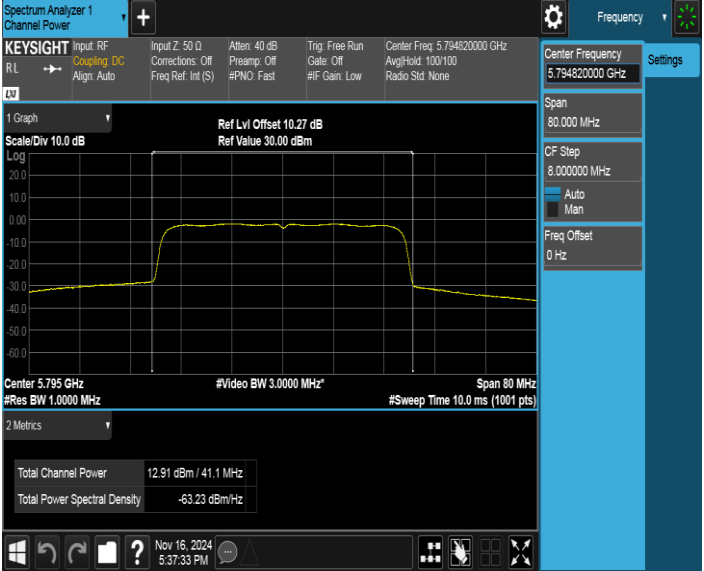
Test Mode	Test Channel	Verdict
11ax HE40	5550	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5670	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5710_UNII-2C	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.707 GHz with a total channel power of 9.29 dBm / 35.3 MHz. The plot is set to a scale of 10.0 dB and a span of 70.57 MHz. The center frequency is 5.707358500 GHz. The plot shows a signal with a peak at 5.707 GHz and a bandwidth of 3.0000 MHz. The total power spectral density is -66.19 dBm/Hz. The plot is set to a scale of 10.0 dB and a span of 70.57 MHz. The center frequency is 5.707358500 GHz. The plot shows a signal with a peak at 5.707 GHz and a bandwidth of 3.0000 MHz. The total power spectral density is -66.19 dBm/Hz.</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5710_UNII-3	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.727 GHz with a total channel power of -1.87 dBm / 4.81 MHz. The plot is set to a scale of 10.0 dB and a span of 9.616 MHz. The center frequency is 5.727404000 GHz. The plot shows a signal with a peak at 5.727 GHz and a bandwidth of 3.0000 MHz. The total power spectral density is -68.69 dBm/Hz. The plot is set to a scale of 10.0 dB and a span of 9.616 MHz. The center frequency is 5.727404000 GHz. The plot shows a signal with a peak at 5.727 GHz and a bandwidth of 3.0000 MHz. The total power spectral density is -68.69 dBm/Hz.</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5755	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5795	PASS
		

6.4. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15, Subpart E RSS-247 Clause 6.2		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	<input type="checkbox"/> Outdoor Access Point: 17 dBm/MHz <input type="checkbox"/> Indoor Access Point: 17 dBm/MHz <input type="checkbox"/> Fixed Point-To-Point Access Points: 17 dBm/MHz <input checked="" type="checkbox"/> Client Devices: 11 dBm/MHz	5150 ~ 5250
	11 dBm/MHz	5250 ~ 5350 5470 ~ 5725
	30 dBm/500kHz	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, maximum power spectral density 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.F.

Connect the EUT to the spectrum analyser and use the following settings:

For U-NII-1, U-NII-2A and U-NII-2C band:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	1 MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

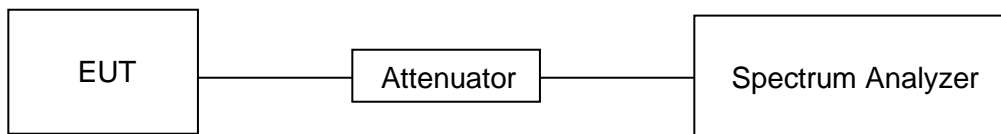
For U-NII-3:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow trace to fully stabilize and Use the peak search function on the instrument to find the peak of the spectrum and record its value.

Add $10 \log (1/x)$, where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

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

RESULTS

Band 1 & Band 2:

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD /MHz	FCC PSD Limit	ISED PSD Limit	Antenna Gain	EIRP PSD	ISED EIRP PSD Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11a	5180	2.01	0	2.01	11	/	2.66	4.67	10
	5200	2.16	0	2.16	11	/	2.66	4.82	10
	5240	1.87	0	1.87	11	/	2.66	4.53	10
	5260	2.07	0	2.07	11	11	2.66	4.73	/
	5280	1.98	0	1.98	11	11	2.66	4.64	/
	5320	1.56	0	1.56	11	11	2.66	4.22	/
	5500	2.15	0	2.15	11	11	2.66	4.81	/
	5580	1.45	0	1.45	11	11	2.66	4.11	/
	5700	1.16	0	1.16	11	11	2.66	3.82	/
	5720_ UNII-2C	0.55	0	0.55	11	11	2.66	3.21	/

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD /MHz	FCC PSD Limit	ISED PSD Limit	Antenna Gain	EIRP PSD	ISED EIRP PSD Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ac VHT20	5180	1.64	0	1.64	11	/	2.66	4.30	10
	5200	1.85	0	1.85	11	/	2.66	4.51	10
	5240	1.68	0	1.68	11	/	2.66	4.34	10
	5260	1.87	0	1.87	11	11	2.66	4.53	/
	5280	1.85	0	1.85	11	11	2.66	4.51	/
	5320	1.30	0	1.30	11	11	2.66	3.96	/
	5500	1.67	0	1.67	11	11	2.66	4.33	/
	5580	1.18	0	1.18	11	11	2.66	3.84	/
	5700	0.61	0	0.61	11	11	2.66	3.27	/
	5720_ UNII-2C	0.31	0	0.31	11	11	2.66	2.97	/

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD /MHz	FCC PSD Limit	ISED PSD Limit	Antenna Gain	EIRP PSD	ISED EIRP PSD Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ac VHT40	5190	-1.39	0	-1.39	11	/	2.66	1.27	10
	5230	-1.28	0	-1.28	11	/	2.66	1.38	10
	5270	-1.27	0	-1.27	11	/	2.66	1.39	/
	5310	-1.81	0	-1.81	11	11	2.66	0.85	/
	5510	-1.59	0	-1.59	11	11	2.66	1.07	/
	5550	-1.16	0	-1.16	11	11	2.66	1.50	/
	5670	-2.19	0	-2.19	11	11	2.66	0.47	/
	5710_ UNII-2C	-2.70	0	-2.70	11	11	2.66	-0.04	/

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD /MHz	FCC PSD Limit	ISED PSD Limit	Antenna Gain	EIRP PSD	ISED EIRP PSD Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ax HE20	5180	1.50	0	1.50	11	/	2.66	4.16	10
	5200	1.80	0	1.80	11	/	2.66	4.46	10
	5240	1.56	0	1.56	11	/	2.66	4.22	10
	5260	1.68	0	1.68	11	11	2.66	4.34	/
	5280	1.75	0	1.75	11	11	2.66	4.41	/
	5320	1.10	0	1.10	11	11	2.66	3.76	/
	5500	1.57	0	1.57	11	11	2.66	4.23	/
	5580	1.03	0	1.03	11	11	2.66	3.69	/
	5700	0.62	0	0.62	11	11	2.66	3.28	/
	5720_ UNII-2C	0.08	0	0.08	11	11	2.66	2.74	/

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD /MHz	FCC PSD Limit	ISED PSD Limit	Antenna Gain	EIRP PSD	ISED EIRP PSD Limit
	MHz	dBm	dB	dBm	dBm	dBm	dB	dBm	dBm
11ax HE40	5190	-1.64	0	-1.64	11	/	2.66	1.02	10
	5230	-1.25	0	-1.25	11	/	2.66	1.41	10
	5270	-1.31	0	-1.31	11	/	2.66	1.35	/
	5310	-1.71	0	-1.71	11	11	2.66	0.95	/
	5510	-1.72	0	-1.72	11	11	2.66	0.94	/
	5550	-1.28	0	-1.28	11	11	2.66	1.38	/
	5670	-2.22	0	-2.22	11	11	2.66	0.44	/
	5710_UNII-2C	-4.63	0	-4.63	11	11	2.66	-1.97	/

Band 3:

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD/300 kHz	Correct Factor	PSD/500 kHz	Limit
	MHz	dBm	dBm	dBm	dB	dBm	dBm
11a	5720_UNII-3	-2.55	0	-2.55	2.22	-0.33	30
	5745	-1.02	0	-1.02	2.22	1.20	30
	5785	-0.47	0	-0.47	2.22	1.75	30
	5825	-1.17	0	-1.17	2.22	1.05	30

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD/300 kHz	Correct Factor	PSD/500 kHz	Limit
	MHz	dBm	dBm	dBm	dB	dBm	dBm
11ac VHT20	5720_UNII-3	-2.86	0	-2.86	2.22	-0.64	30
	5745	-1.28	0	-1.28	2.22	0.94	30
	5785	-0.83	0	-0.83	2.22	1.39	30
	5825	-1.57	0	-1.57	2.22	0.65	30

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD/300 kHz	Correct Factor	PSD/500 kHz	Limit
	MHz	dBm	dBm	dBm	dB	dBm	dBm
11ac VHT40	5710_UNII-3	-7.02	0	-7.02	2.22	-4.80	30
	5755	-3.76	0	-3.76	2.22	-1.54	30
	5795	-3.96	0	-3.96	2.22	-1.74	30

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD/300 kHz	Correct Factor	PSD/500 kHz	Limit
	MHz	dBm	dBm	dBm	dB	dBm	dBm
11ax HE20	5720_UNII-3	-2.83	0	-2.83	2.22	-0.61	30
	5745	-1.26	0	-1.26	2.22	0.96	30
	5785	-0.84	0	-0.84	2.22	1.38	30
	5825	-1.78	0	-1.78	2.22	0.44	30

Mode	Frequency	Measurement Value	Duty Cycle Correction Factor	PSD/300 kHz	Correct Factor	PSD/500 kHz	Limit
	MHz	dBm	dBm	dBm	dB	dBm	dBm
11ax HE40	5710_UNII-3	-8.74	0	-8.74	2.22	-6.52	30
	5755	-3.66	0	-3.66	2.22	-1.44	30
	5795	-4.10	0	-4.10	2.22	-1.88	30

Note:

1. The Result and Limit Unit is dBm/500 kHz in the band 5.725 - 5.85 GHz.
2.
$$\text{PSD/500 kHz} = 10 \cdot \log \left(10^{\frac{(\text{PSD/300 kHz})}{10}} / 300 \cdot 500 \right)$$

$$= \text{PSD/300 kHz} + 2.2 \text{ dB}$$