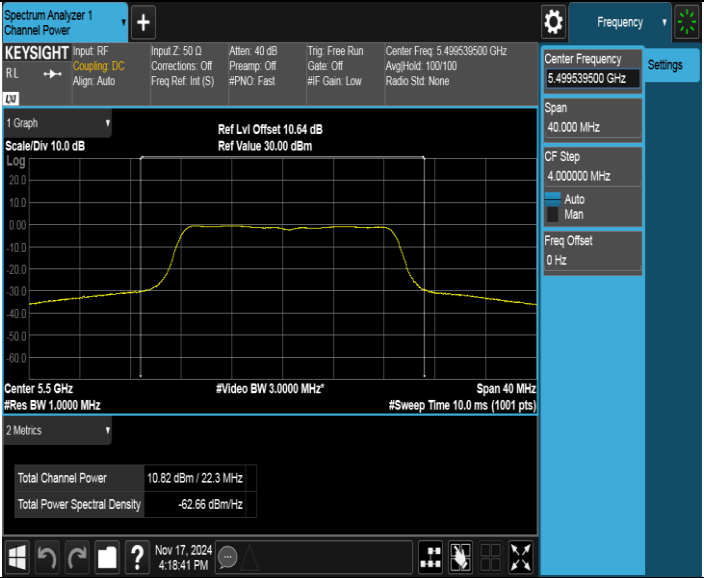
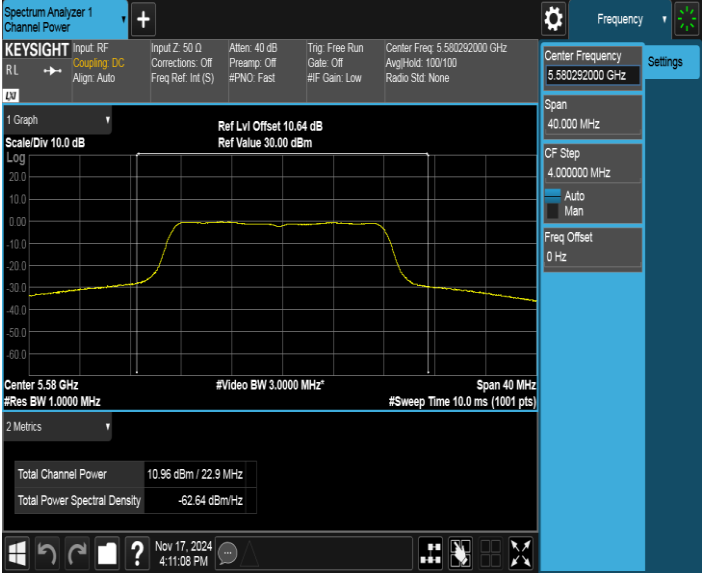
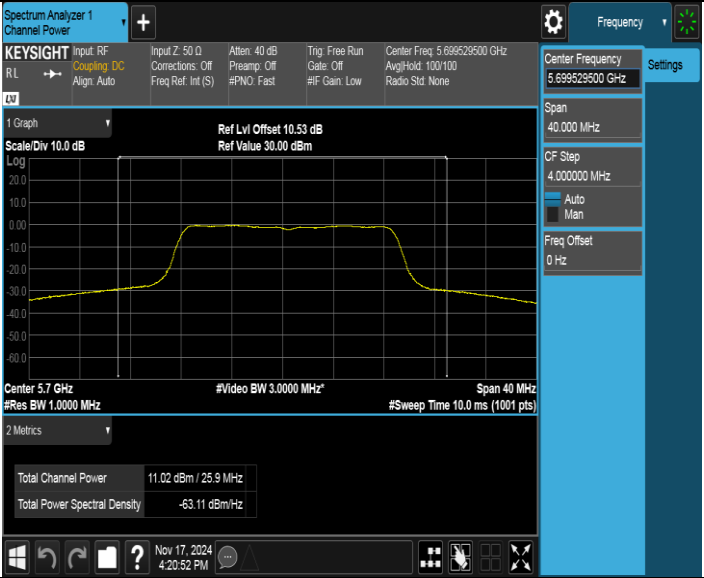
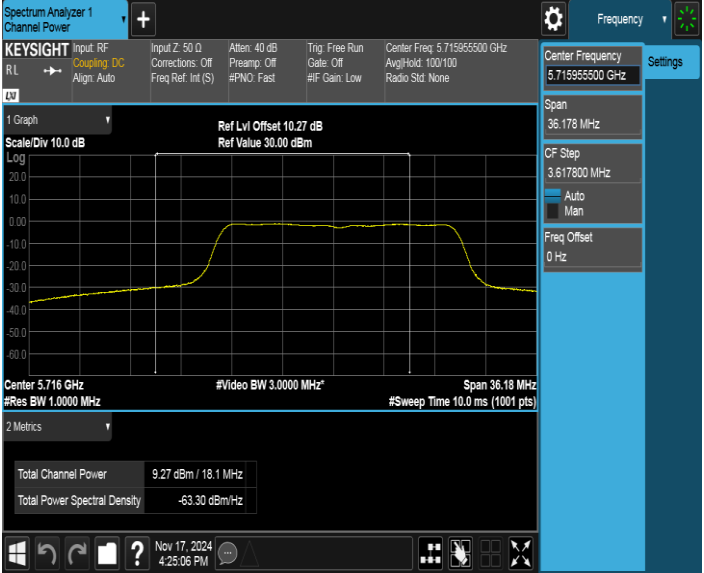
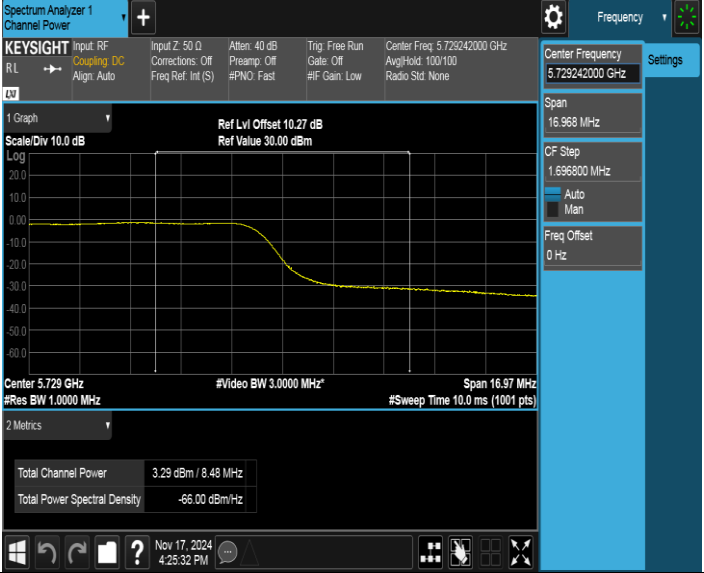


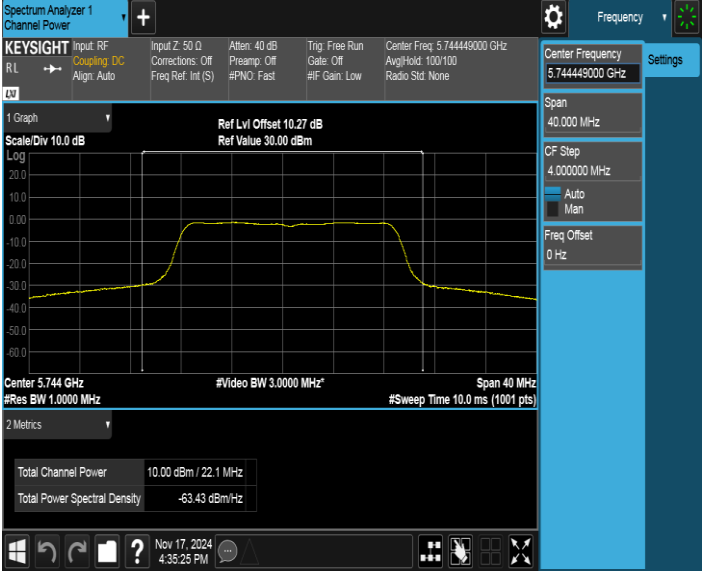
Test Mode	Test Channel	Verdict
11a	5500	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.499539500 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 40 MHz. The signal is centered at 5.5 GHz. The total channel power is 10.82 dBm / 22.3 MHz, and the total power spectral density is -62.66 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.64 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency, span, CF step, and frequency offset.</p>		

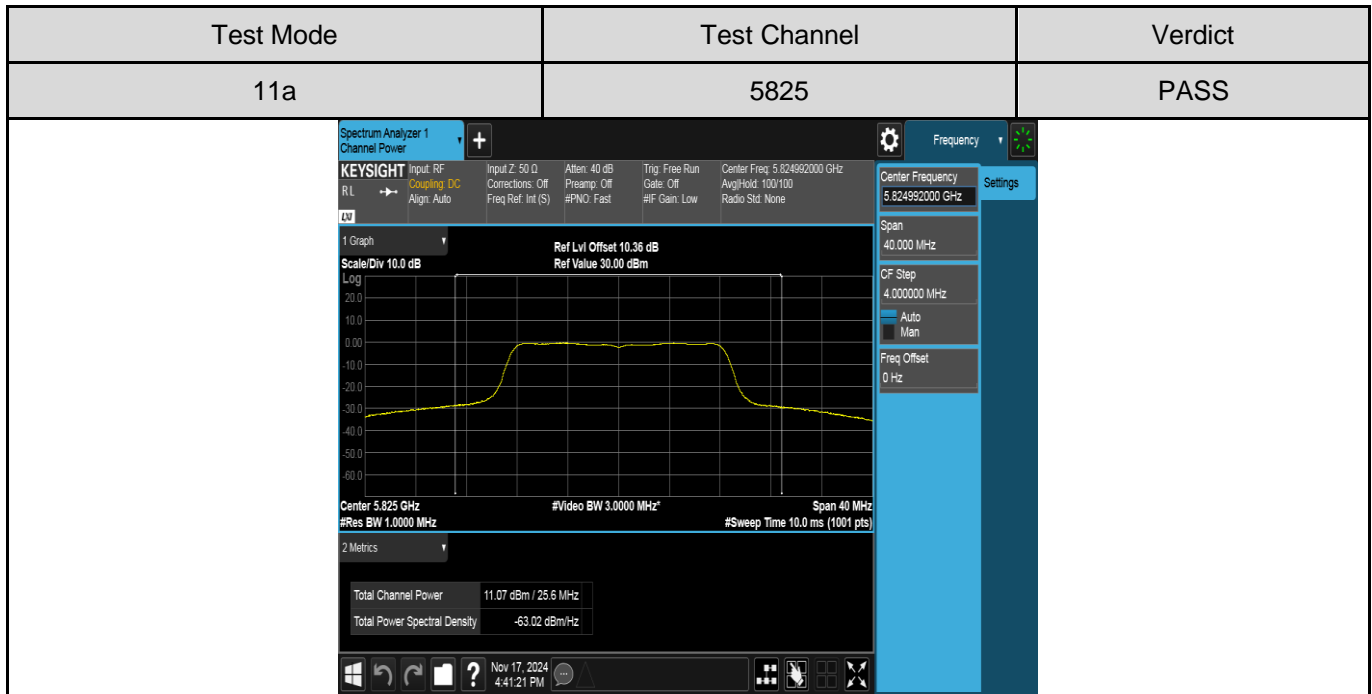
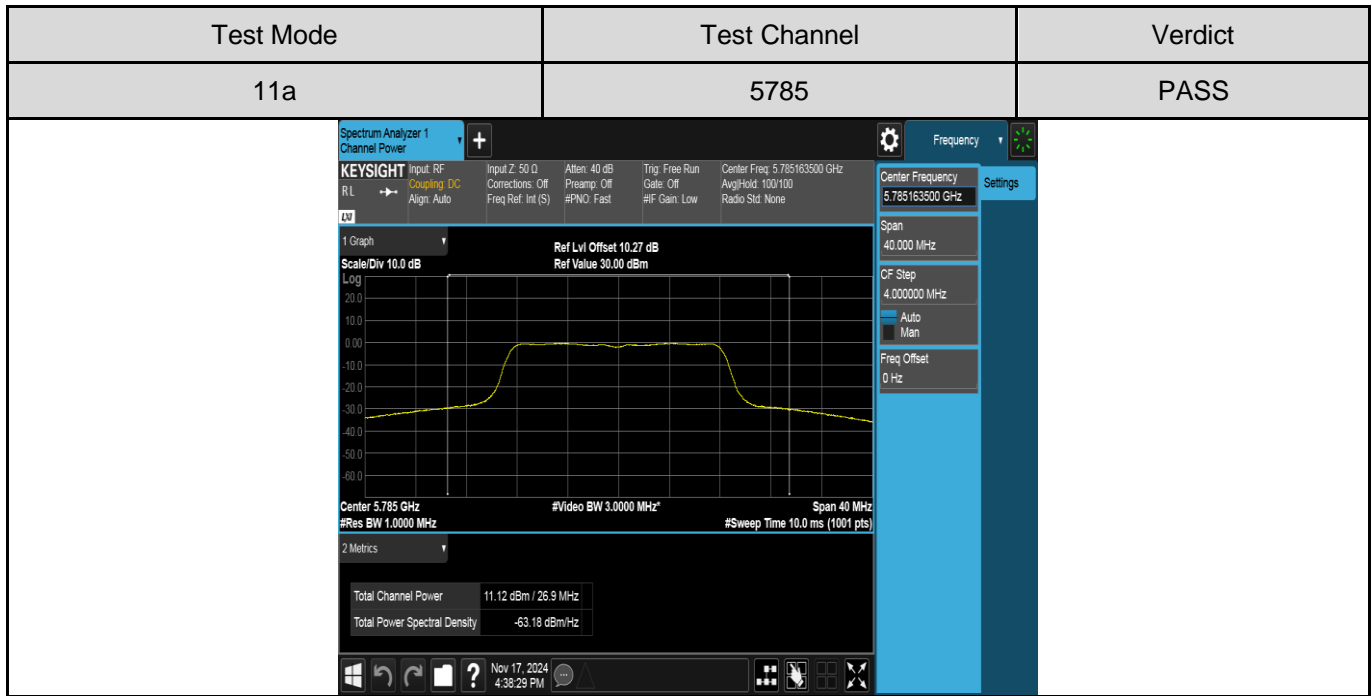
Test Mode	Test Channel	Verdict
11a	5580	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.580292000 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 40 MHz. The signal is centered at 5.58 GHz. The total channel power is 10.96 dBm / 22.9 MHz, and the total power spectral density is -62.64 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.64 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency, span, CF step, and frequency offset.</p>		

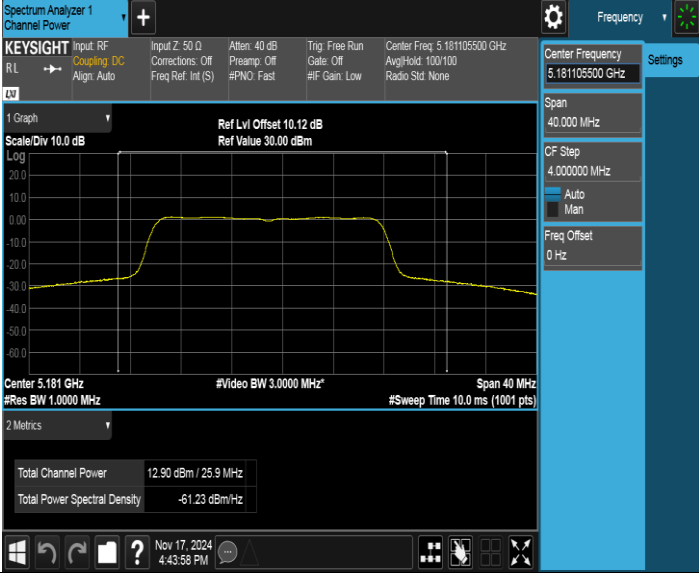
Test Mode	Test Channel	Verdict
11a	5700	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.7 GHz with a span of 40 MHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The signal is a rectangular pulse. The settings panel on the right shows the center frequency at 5.699529500 GHz, span at 40.000 MHz, and CF step at 4.000000 MHz. The metrics section at the bottom indicates a total channel power of 11.02 dBm / 25.9 MHz and a total power spectral density of -63.11 dBm/MHz.</p>		

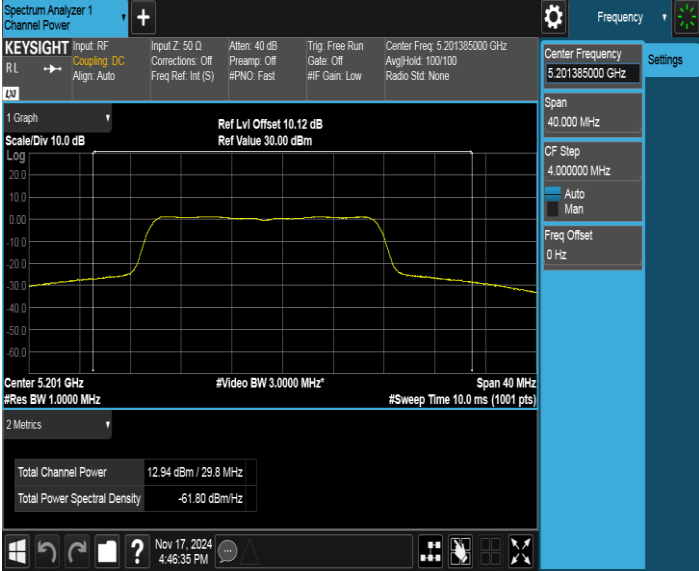
Test Mode	Test Channel	Verdict
11a	5720_UNII-2C	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.716 GHz with a span of 36.18 MHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The signal is a rectangular pulse. The settings panel on the right shows the center frequency at 5.715955500 GHz, span at 36.178 MHz, and CF step at 3.617800 MHz. The metrics section at the bottom indicates a total channel power of 9.27 dBm / 18.1 MHz and a total power spectral density of -63.30 dBm/MHz.</p>		

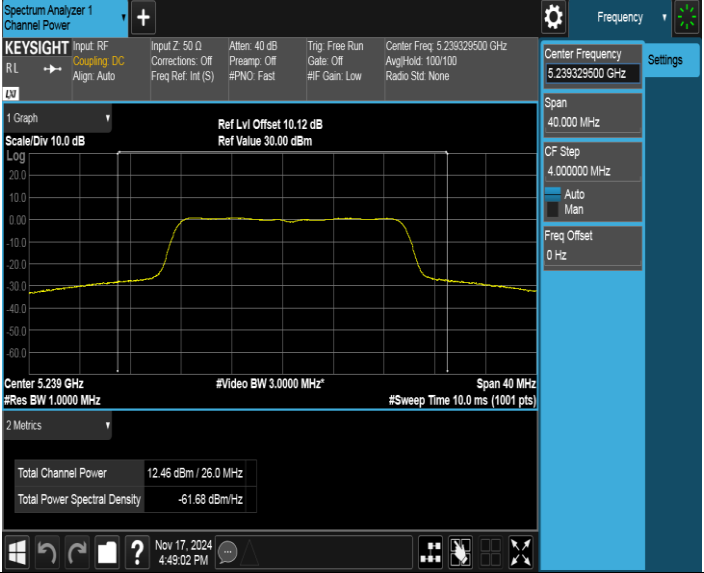
Test Mode	Test Channel	Verdict
11a	5720_UNII-3	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.729 GHz with a total channel power of 3.29 dBm / 8.48 MHz. The frequency span is 16.97 MHz, and the resolution bandwidth is 1.0000 MHz. The video bandwidth is 3.0000 MHz. The signal is centered at 5.729242000 GHz. The interface includes various settings such as Input Z (50 Ω), Attenuation (40 dB), and Frequency (5.729242000 GHz).</p>		

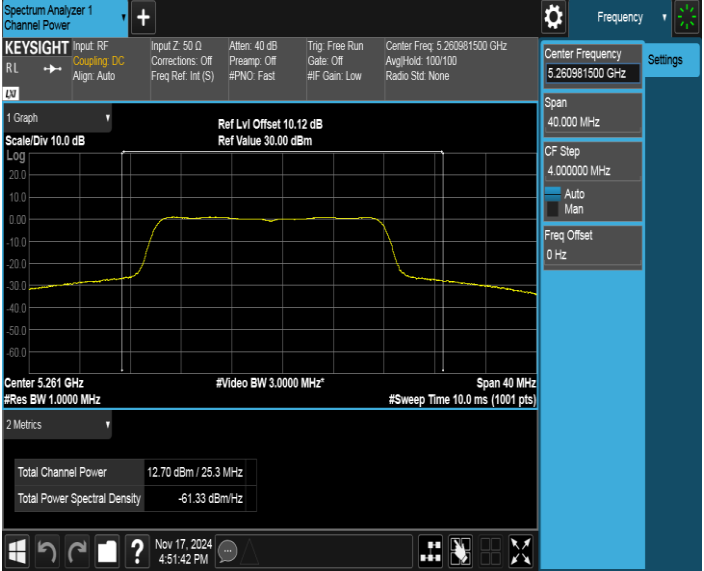
Test Mode	Test Channel	Verdict
11a	5745	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.744 GHz with a total channel power of 10.00 dBm / 22.1 MHz. The frequency span is 40 MHz, and the resolution bandwidth is 1.0000 MHz. The video bandwidth is 3.0000 MHz. The signal is centered at 5.744449000 GHz. The interface includes various settings such as Input Z (50 Ω), Attenuation (40 dB), and Frequency (5.744449000 GHz).</p>		

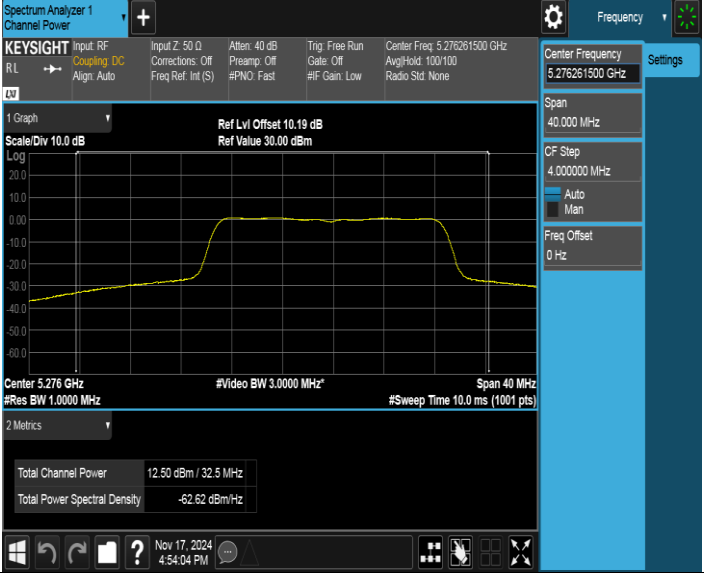


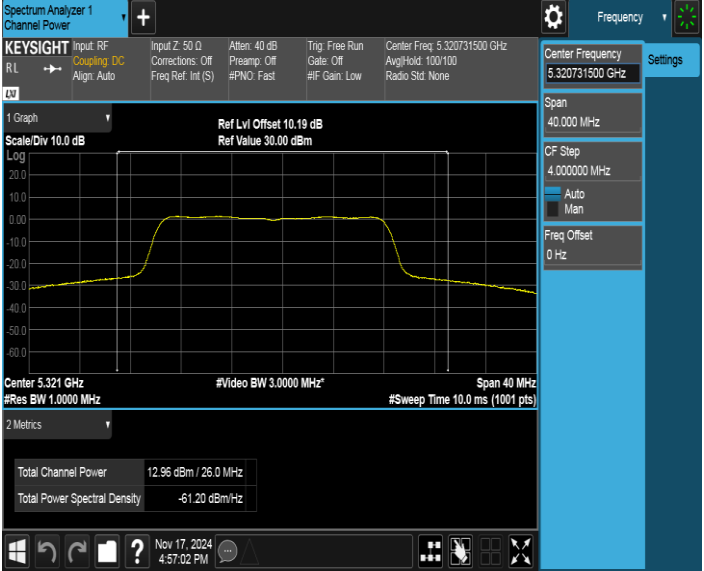
Test Mode	Test Channel	Verdict
11ac VHT20	5180	PASS
		

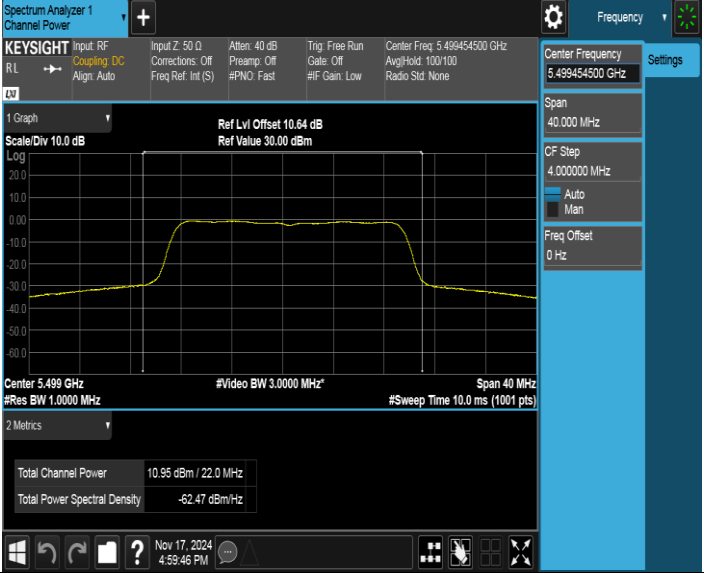
Test Mode	Test Channel	Verdict
11ac VHT20	5200	PASS
		

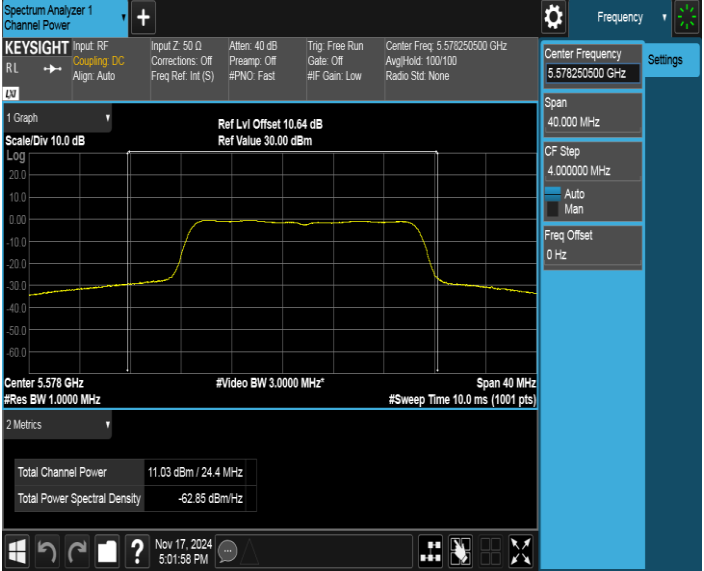
Test Mode	Test Channel	Verdict
11ac VHT20	5240	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.239 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 40 MHz. The signal is centered at 5.239 GHz. The total channel power is 12.46 dBm / 26.0 MHz, and the total power spectral density is -61.68 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.12 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency at 5.23929500 GHz, span at 40.000 MHz, and CF step at 4.000000 MHz.</p>		

Test Mode	Test Channel	Verdict
11ac VHT20	5260	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.261 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 centered at 5.261 GHz. The total channel power is 12.70 dBm / 25.3 MHz, and the total power spectral density is -61.33 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.12 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency at 5.260981500 GHz, span at 40.000 MHz, and CF step at 4.000000 MHz.</p>		

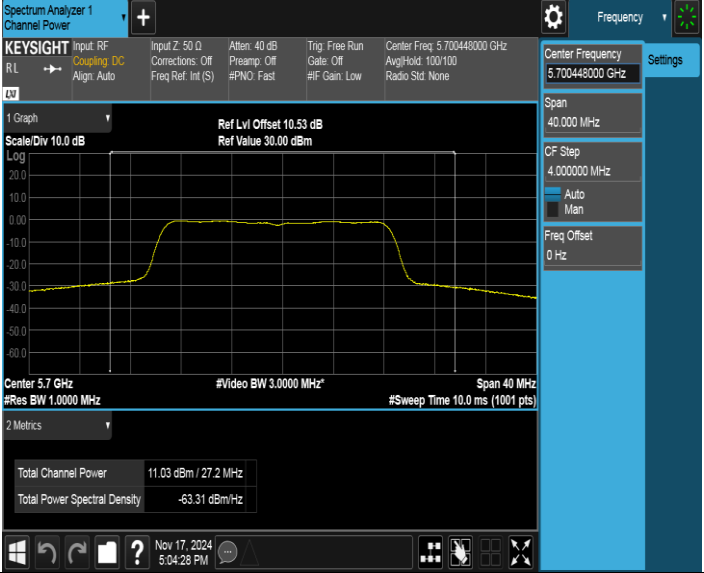
Test Mode	Test Channel	Verdict
11ac VHT20	5280	PASS
		

Test Mode	Test Channel	Verdict
11ac VHT20	5320	PASS
		

Test Mode	Test Channel	Verdict
11ac VHT20	5500	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.499 GHz with a total channel power of 10.95 dBm / 22.0 MHz. The signal is a rectangular pulse. The settings on the right include: Center Frequency 5.499454500 GHz, Span 40.000 MHz, CF Step 4.000000 MHz, Auto Man, Freq Offset 0 Hz. The bottom status bar shows the date Nov 17, 2024 and time 4:59:46 PM.</p>		

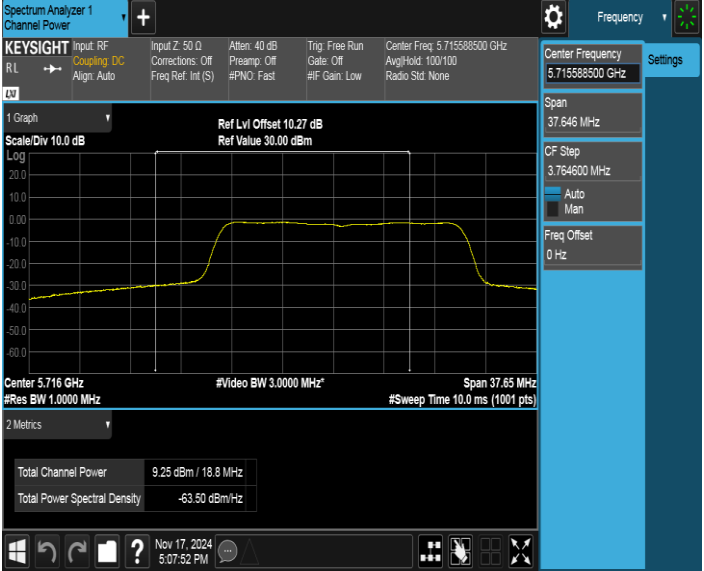
Test Mode	Test Channel	Verdict
11ac VHT20	5580	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.578 GHz with a total channel power of 11.03 dBm / 24.4 MHz. The signal is a rectangular pulse. The settings on the right include: Center Frequency 5.578250500 GHz, Span 40.000 MHz, CF Step 4.000000 MHz, Auto Man, Freq Offset 0 Hz. The bottom status bar shows the date Nov 17, 2024 and time 5:01:58 PM.</p>		

Test Mode	Test Channel	Verdict
11ac VHT20	5700	PASS

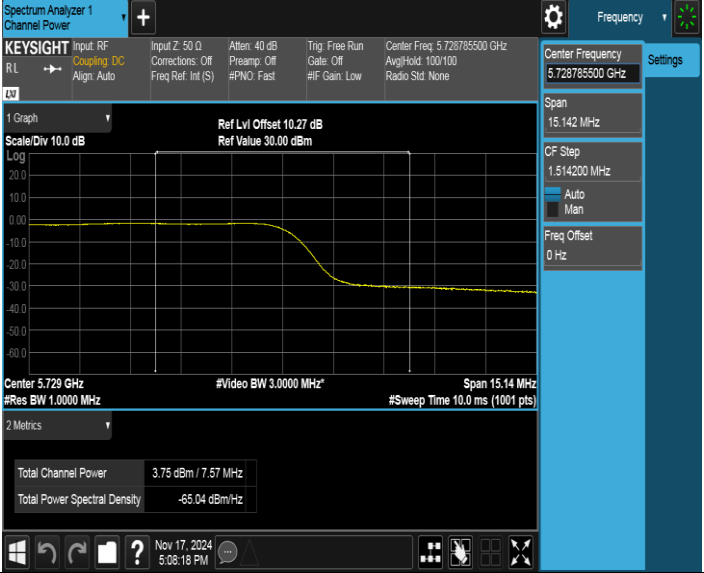


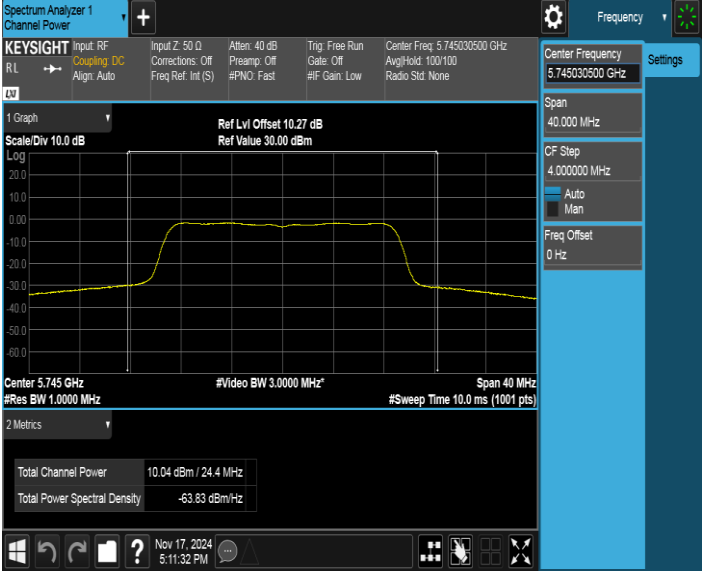
The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a power spectrum plot with a peak at 5.7 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.7 GHz' and ranges from 5.68 GHz to 5.72 GHz. The plot shows a signal with a bandwidth of 3.0000 MHz. The total channel power is 11.03 dBm / 27.2 MHz, and the total power spectral density is -63.31 dBm/Hz. The settings panel on the right shows a center frequency of 5.700448000 GHz, a span of 40.000 MHz, and a resolution bandwidth of 3.000000 MHz. The frequency offset is 0 Hz.

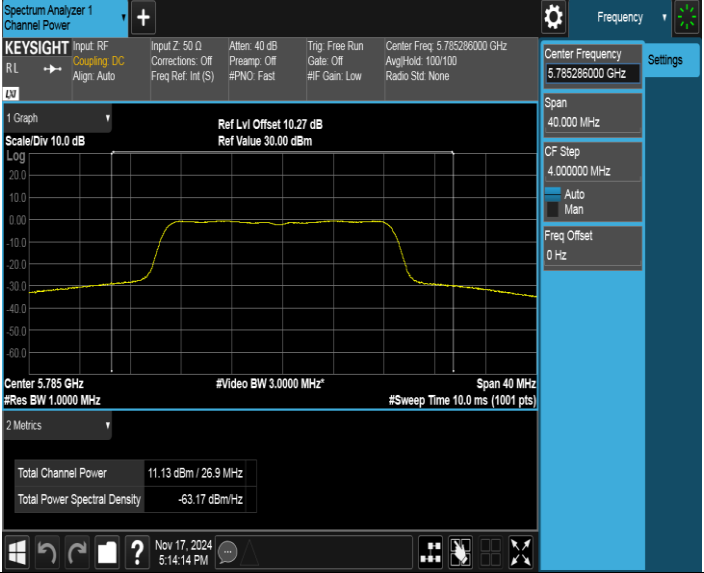
Test Mode	Test Channel	Verdict
11ac VHT20	5720_UNII-2C	PASS

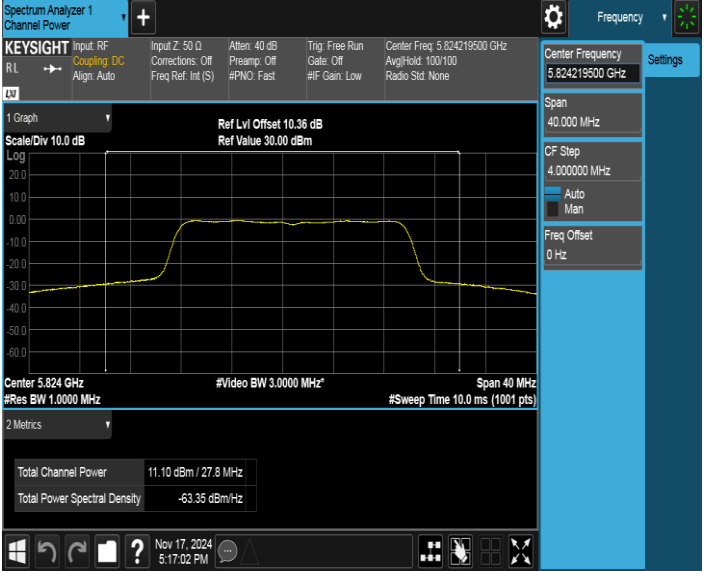


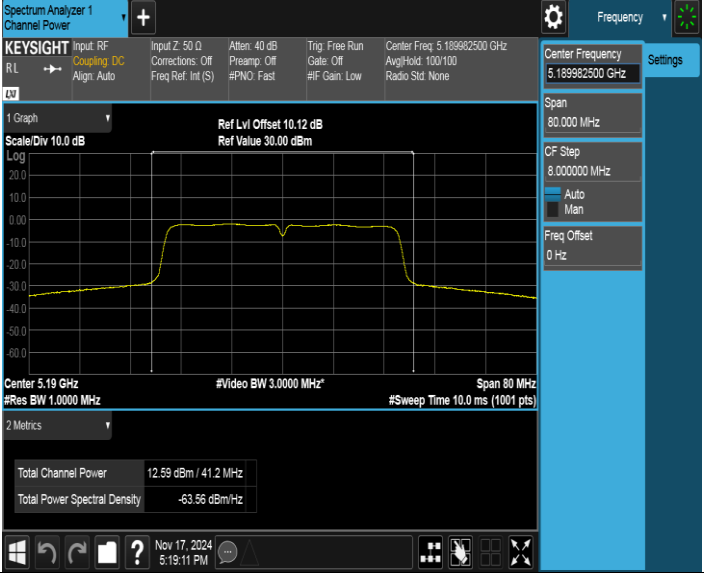
The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a power spectrum plot with a peak at 5.716 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.716 GHz' and ranges from 5.70 GHz to 5.73 GHz. The plot shows a signal with a bandwidth of 3.0000 MHz. The total channel power is 9.25 dBm / 18.8 MHz, and the total power spectral density is -63.50 dBm/Hz. The settings panel on the right shows a center frequency of 5.715588500 GHz, a span of 37.646 MHz, and a resolution bandwidth of 3.764600 MHz. The frequency offset is 0 Hz.

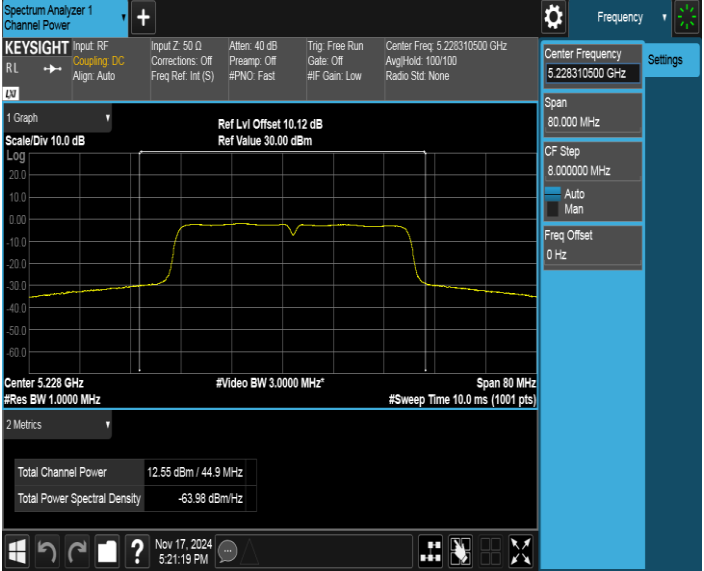
Test Mode	Test Channel	Verdict
11ac VHT20	5720_UNII-3	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.729 GHz with a total channel power of 3.75 dBm / 7.57 MHz. The plot is set to a scale of 10.0 dB and a resolution bandwidth of 3.0000 MHz. The center frequency is 5.728785500 GHz, and the span is 15.142 MHz. The total power spectral density is -65.04 dBm/Hz. The interface includes various settings and a status bar at the bottom.</p>		

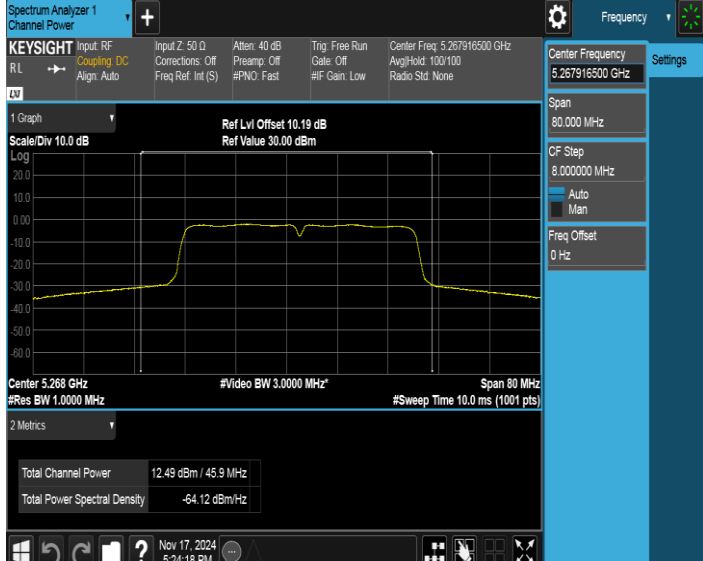
Test Mode	Test Channel	Verdict
11ac VHT20	5745	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.745 GHz with a total channel power of 10.04 dBm / 24.4 MHz. The plot is set to a scale of 10.0 dB and a resolution bandwidth of 3.0000 MHz. The center frequency is 5.745030500 GHz, and the span is 40.000 MHz. The total power spectral density is -63.83 dBm/Hz. The interface includes various settings and a status bar at the bottom.</p>		

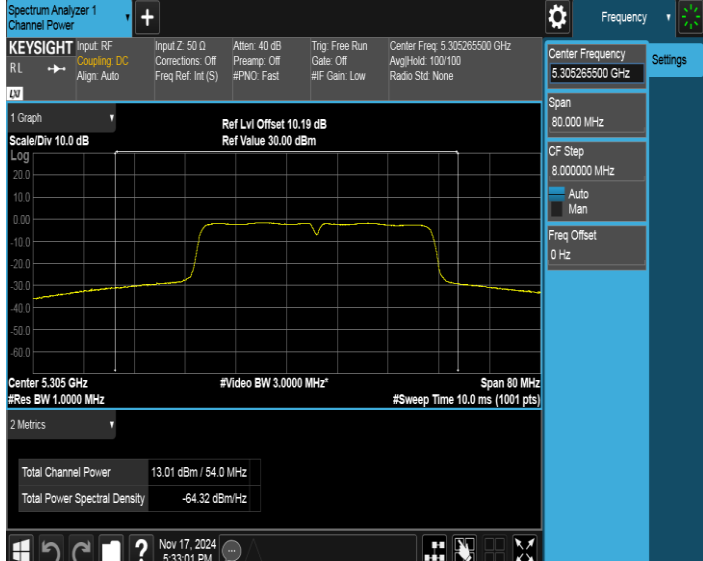
Test Mode	Test Channel	Verdict
11ac VHT20	5785	PASS
		

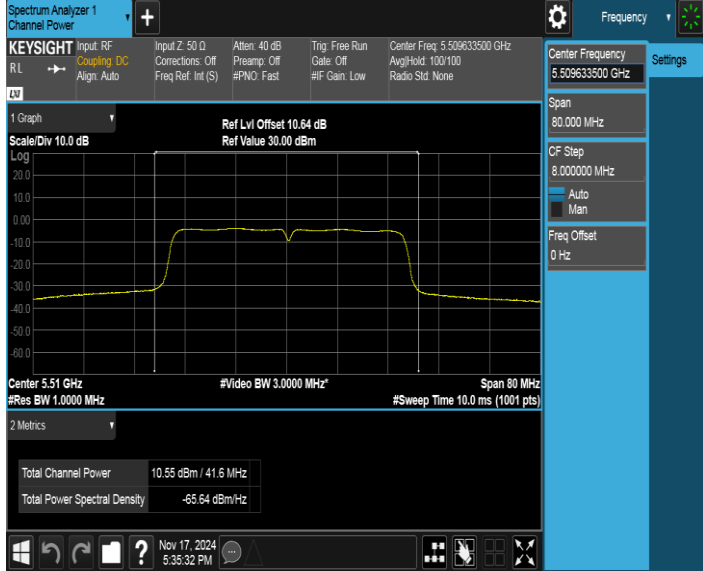
Test Mode	Test Channel	Verdict
11ac VHT20	5825	PASS
		

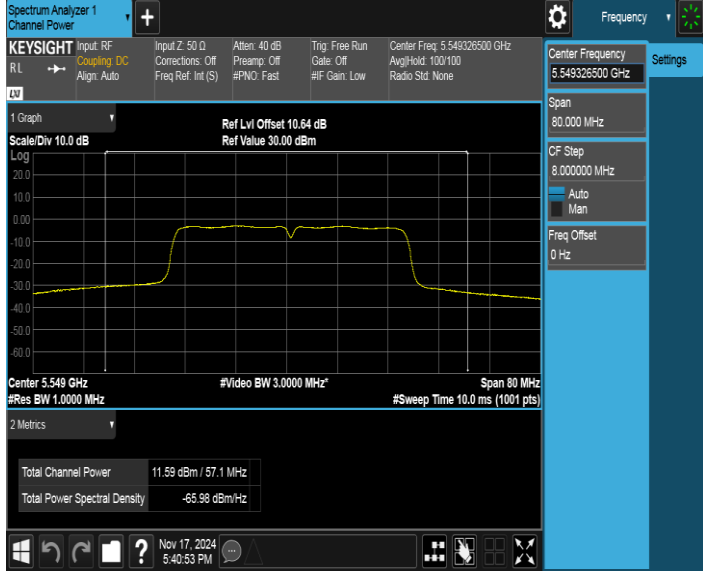
Test Mode	Test Channel	Verdict
11ac VHT40	5190	PASS
		

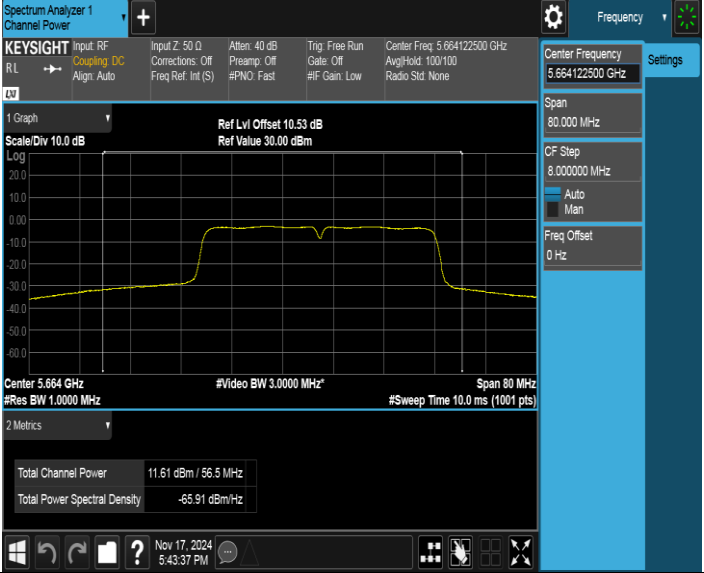
Test Mode	Test Channel	Verdict
11ac VHT40	5230	PASS
		

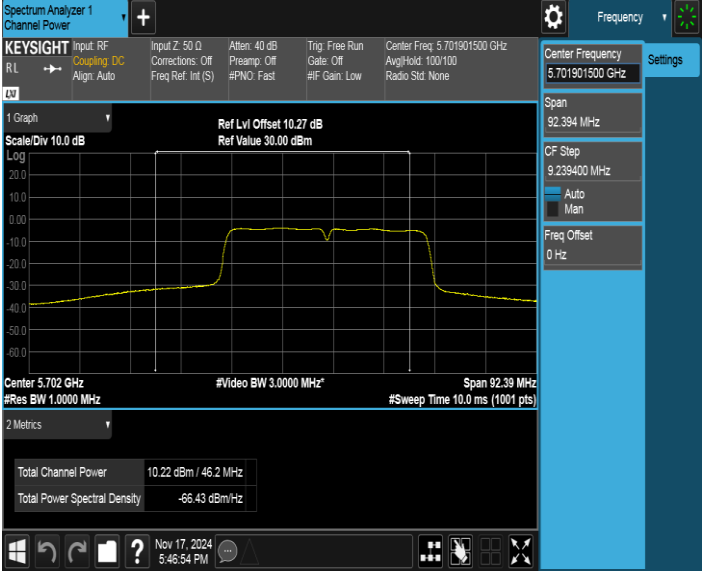
Test Mode	Test Channel	Verdict
11ac VHT40	5270	PASS
		

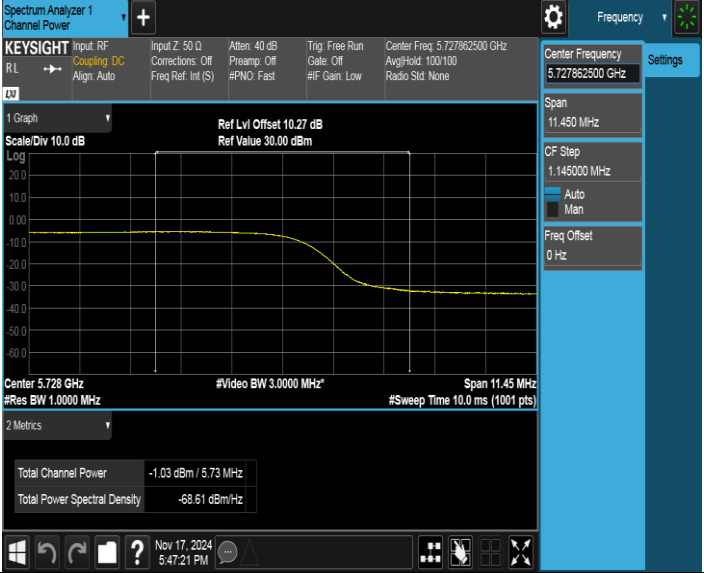
Test Mode	Test Channel	Verdict
11ac VHT40	5310	PASS
		

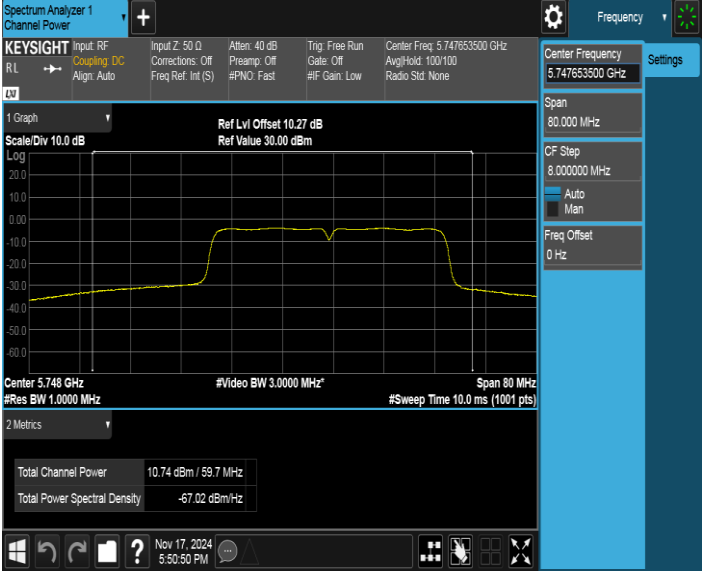
Test Mode	Test Channel	Verdict
11ac VHT40	5510	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.51 GHz with a total channel power of 10.55 dBm / 41.6 MHz. The plot is set to a scale of 10.0 dB and a span of 80 MHz. The center frequency is 5.50633500 GHz. The plot shows a signal with a peak at 5.51 GHz and a total channel power of 10.55 dBm / 41.6 MHz. The plot also shows the total power spectral density at -65.64 dBm/Hz.</p>		

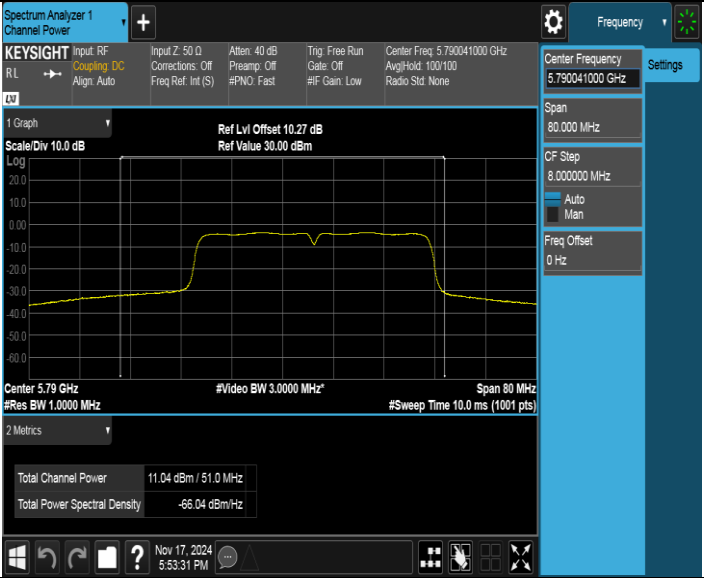
Test Mode	Test Channel	Verdict
11ac VHT40	5550	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.549 GHz with a total channel power of 11.59 dBm / 57.1 MHz. The plot is set to a scale of 10.0 dB and a span of 80 MHz. The center frequency is 5.549326500 GHz. The plot shows a signal with a peak at 5.549 GHz and a total channel power of 11.59 dBm / 57.1 MHz. The plot also shows the total power spectral density at -65.98 dBm/Hz.</p>		

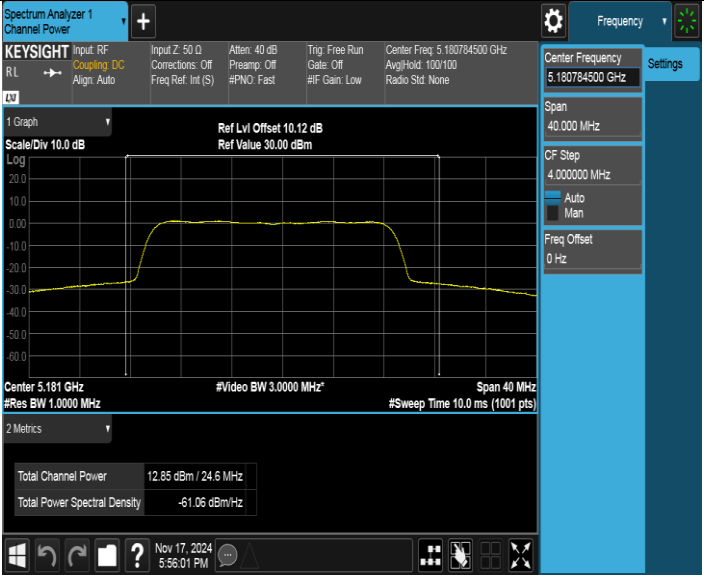
Test Mode	Test Channel	Verdict
11ac VHT40	5670	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.664 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 80 MHz. The signal is identified as 11ac VHT40. The total channel power is 11.61 dBm / 56.5 MHz, and the total power spectral density is -65.91 dBm/MHz. The center frequency is 5.664 GHz, and the video bandwidth is 3.0000 MHz. The span is 80 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.53 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency at 5.664122500 GHz, span at 80.000 MHz, CF step at 8.000000 MHz, and frequency offset at 0 Hz.</p>		

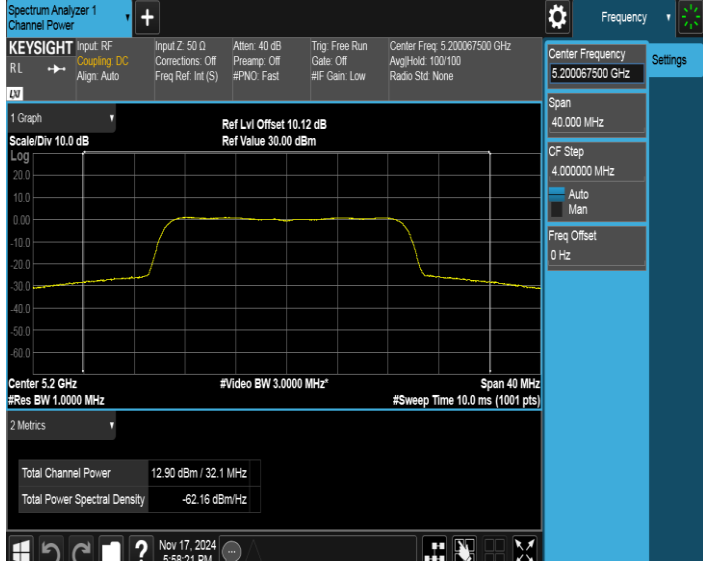
Test Mode	Test Channel	Verdict
11ac VHT40	5710_UNII-2C	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.702 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, with a span of 92.39 MHz. The signal is identified as 11ac VHT40. The total channel power is 10.22 dBm / 46.2 MHz, and the total power spectral density is -66.43 dBm/MHz. The center frequency is 5.702 GHz, and the video bandwidth is 3.0000 MHz. The span is 92.39 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.27 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency at 5.701901500 GHz, span at 92.394 MHz, CF step at 9.239400 MHz, and frequency offset at 0 Hz.</p>		

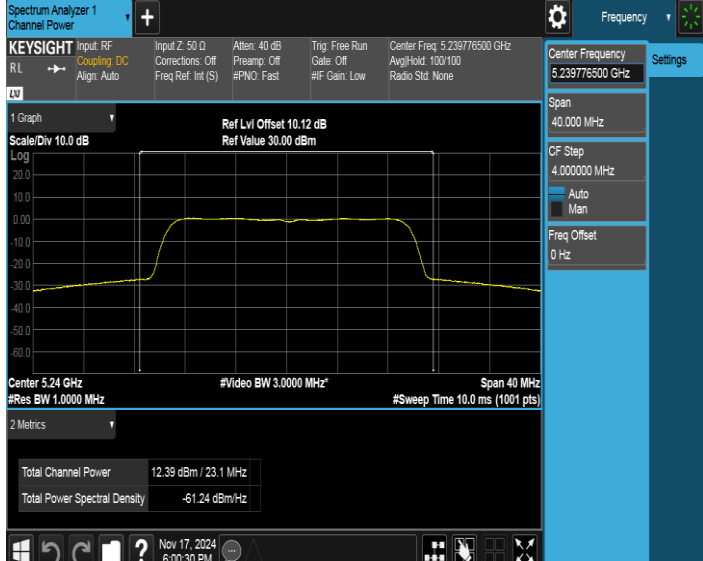
Test Mode	Test Channel	Verdict
11ac VHT40	5710_UNII-3	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.728 GHz with a total channel power of -1.03 dBm. The settings panel on the right shows a center frequency of 5.727862500 GHz and a span of 11.450 MHz. The bottom status bar indicates the date and time as Nov 17, 2024, 5:47:21 PM.</p>		

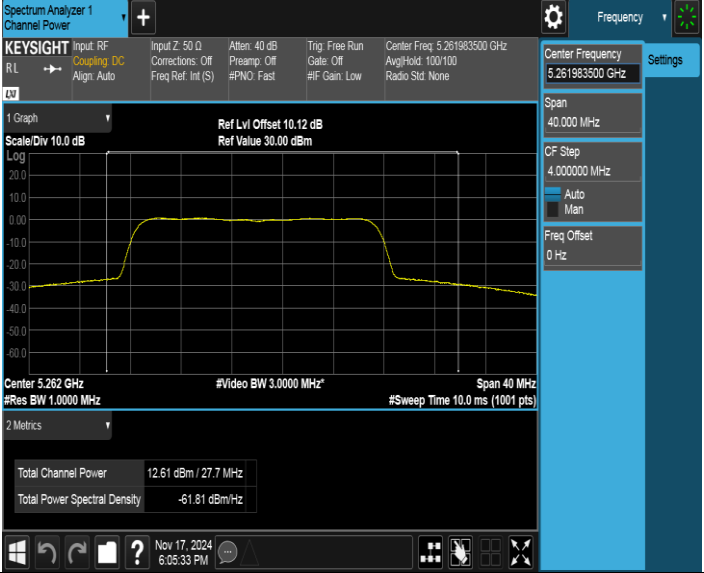
Test Mode	Test Channel	Verdict
11ac VHT40	5755	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.748 GHz with a total channel power of 10.74 dBm. The settings panel on the right shows a center frequency of 5.747653500 GHz and a span of 80.000 MHz. The bottom status bar indicates the date and time as Nov 17, 2024, 5:50:50 PM.</p>		

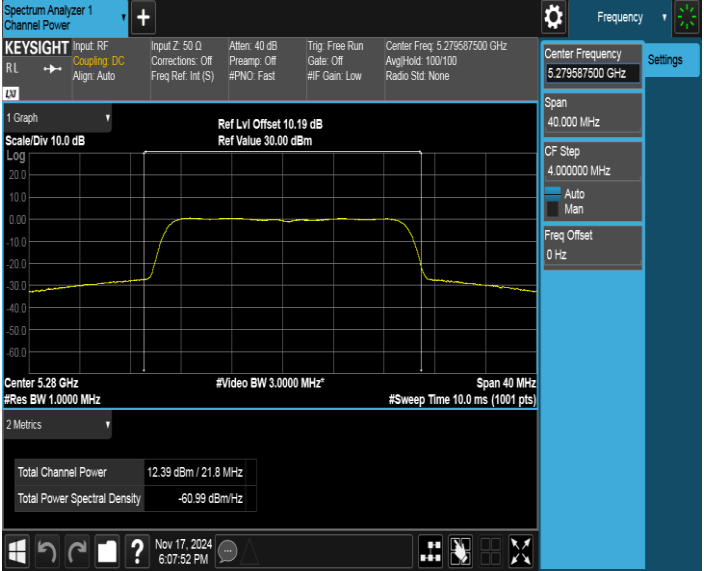
Test Mode	Test Channel	Verdict
11ac VHT40	5795	PASS
		

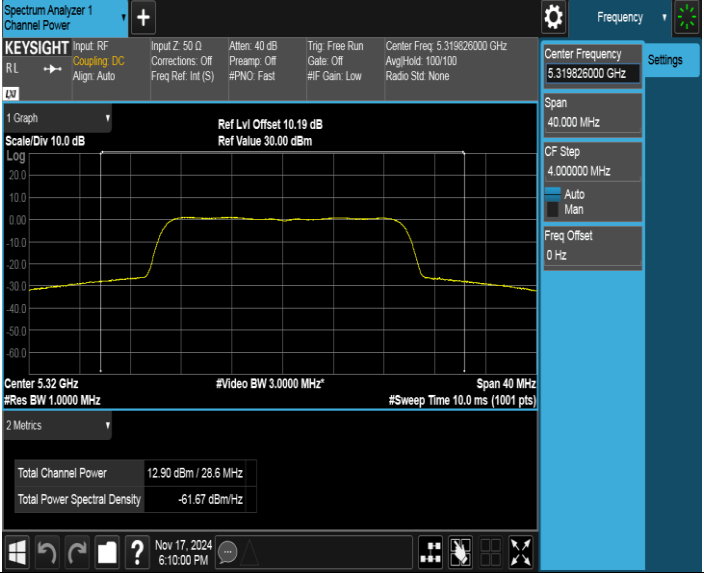
Test Mode	Test Channel	Verdict
11ax HE20	5180	PASS
		

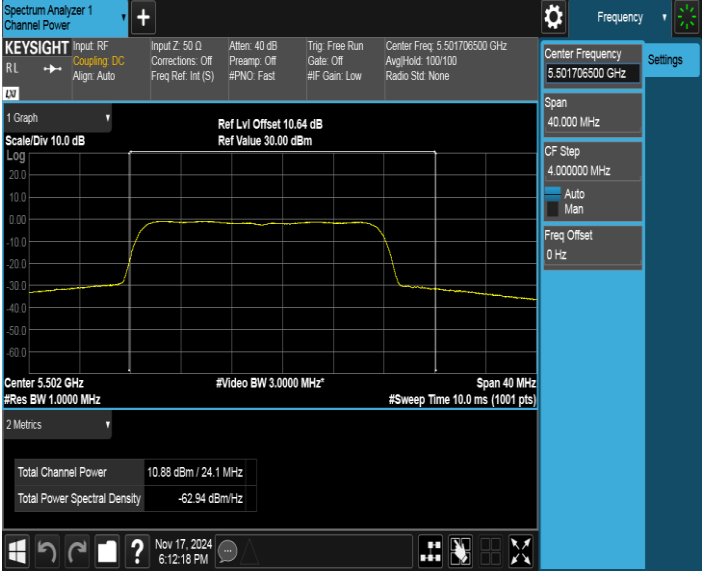
Test Mode	Test Channel	Verdict
11ax HE20	5200	PASS
 <p>The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal at 5.2 GHz with a power of 12.90 dBm. The settings include: Center Frequency 5.200067500 GHz, Span 40.000 MHz, CF Step 4.000000 MHz, Freq Offset 0 Hz, and Video BW 3.0000 MHz. The signal is a rectangular pulse shape.</p>		

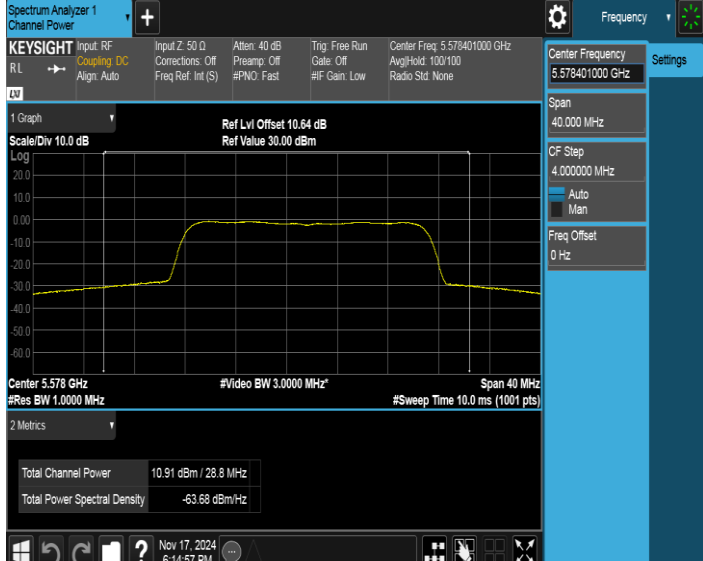
Test Mode	Test Channel	Verdict
11ax HE20	5240	PASS
 <p>The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal at 5.24 GHz with a power of 12.39 dBm. The settings include: Center Frequency 5.239776500 GHz, Span 40.000 MHz, CF Step 4.000000 MHz, Freq Offset 0 Hz, and Video BW 3.0000 MHz. The signal is a rectangular pulse shape.</p>		

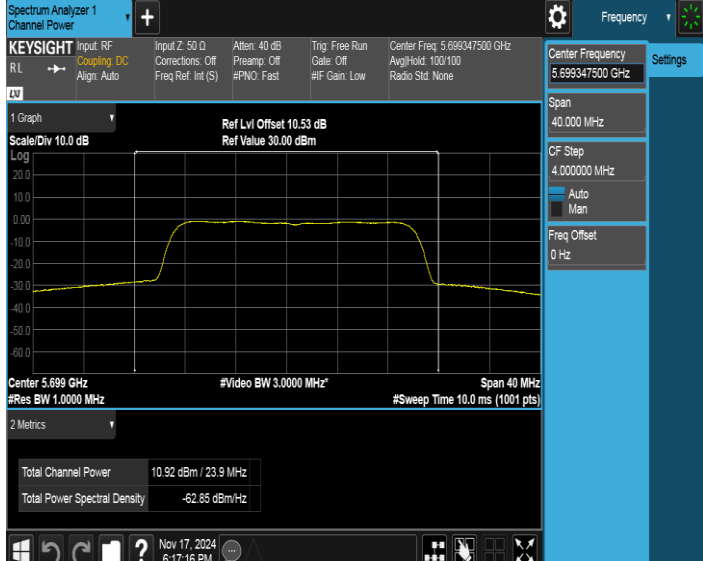
Test Mode	Test Channel	Verdict
11ax HE20	5260	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.262 GHz with a total channel power of 12.61 dBm / 27.7 MHz. The signal is a rectangular pulse. The settings on the right include: Center Frequency 5.261983500 GHz, Span 40.000 MHz, CF Step 4.000000 MHz, Auto Man, Freq Offset 0 Hz. The bottom status bar shows the date Nov 17, 2024 and time 6:05:33 PM.</p>		

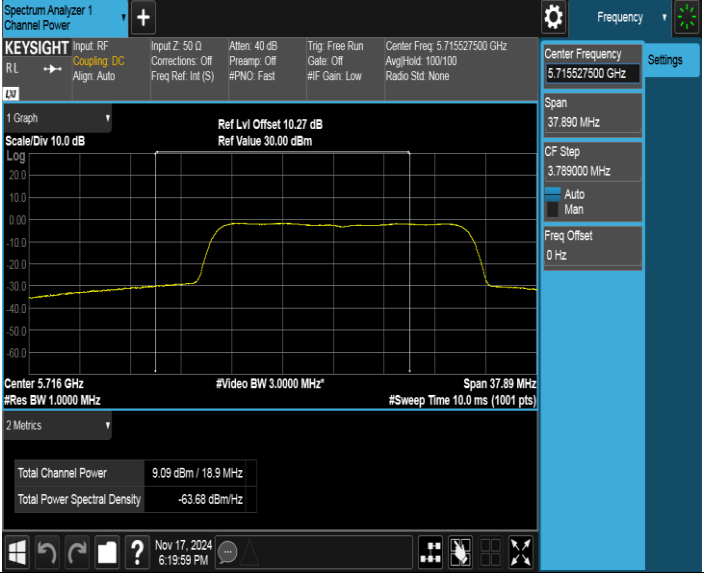
Test Mode	Test Channel	Verdict
11ax HE20	5280	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal at 5.28 GHz with a total channel power of 12.39 dBm / 21.8 MHz. The signal is a rectangular pulse. The settings on the right include: Center Frequency 5.279587500 GHz, Span 40.000 MHz, CF Step 4.000000 MHz, Auto Man, Freq Offset 0 Hz. The bottom status bar shows the date Nov 17, 2024 and time 6:07:52 PM.</p>		

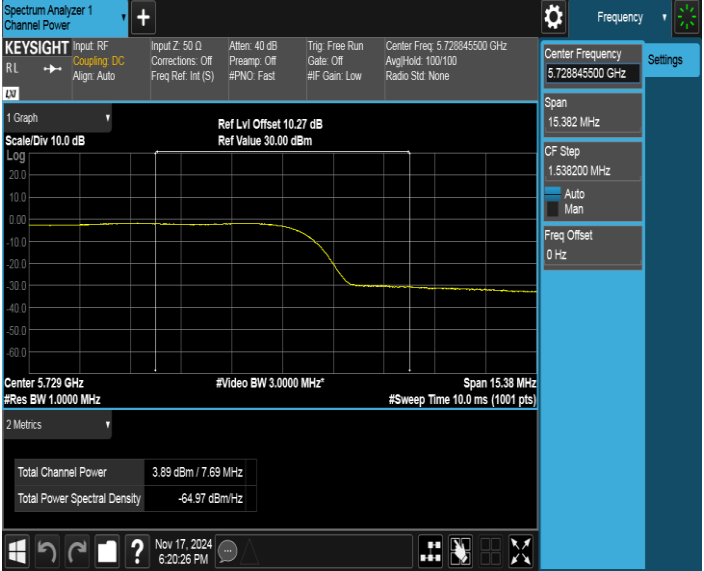
Test Mode	Test Channel	Verdict
11ax HE20	5320	PASS
		

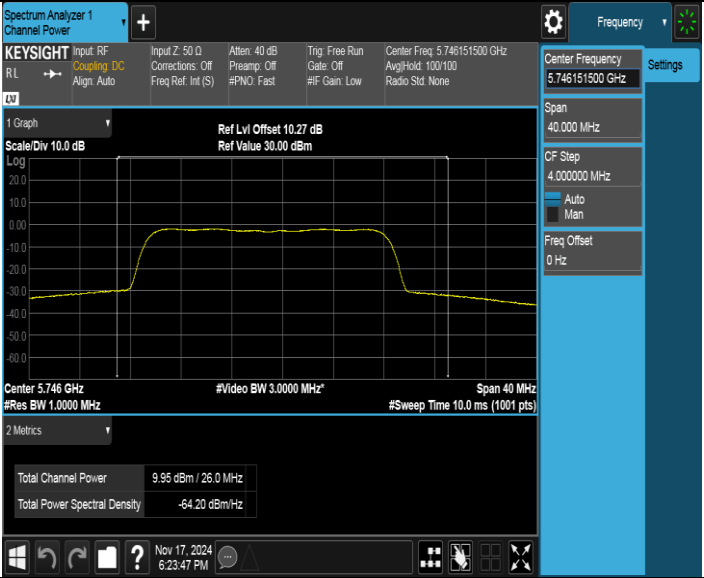
Test Mode	Test Channel	Verdict
11ax HE20	5500	PASS
		

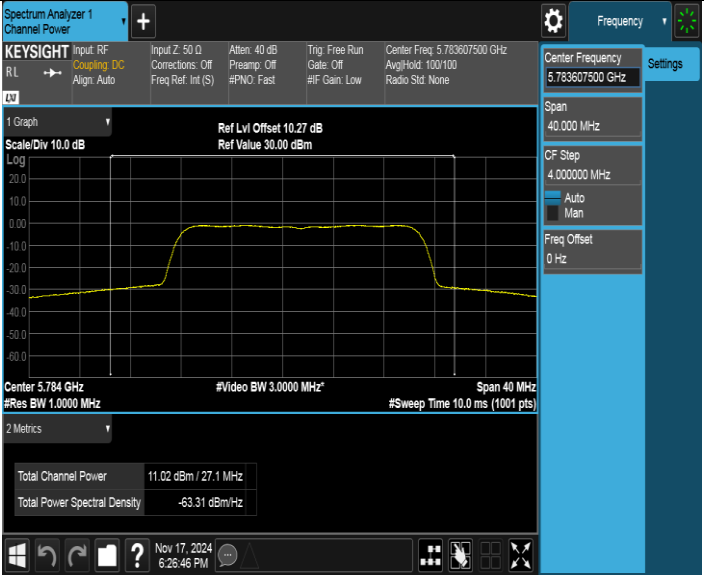
Test Mode	Test Channel	Verdict
11ax HE20	5580	PASS
		

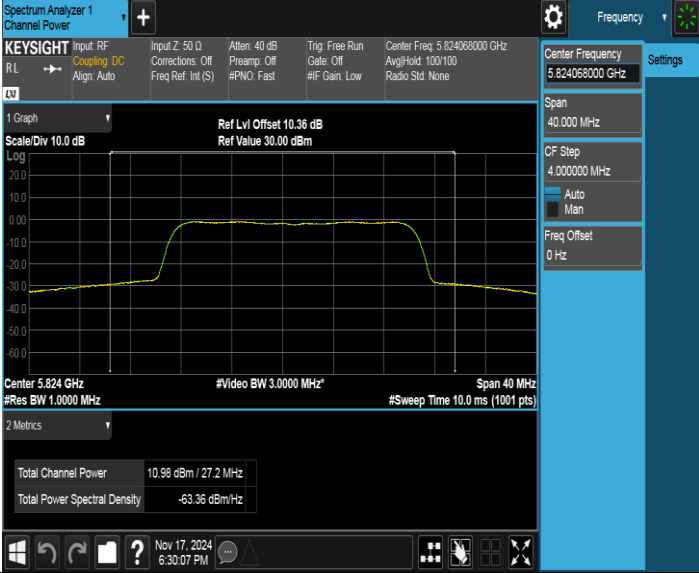
Test Mode	Test Channel	Verdict
11ax HE20	5700	PASS
		

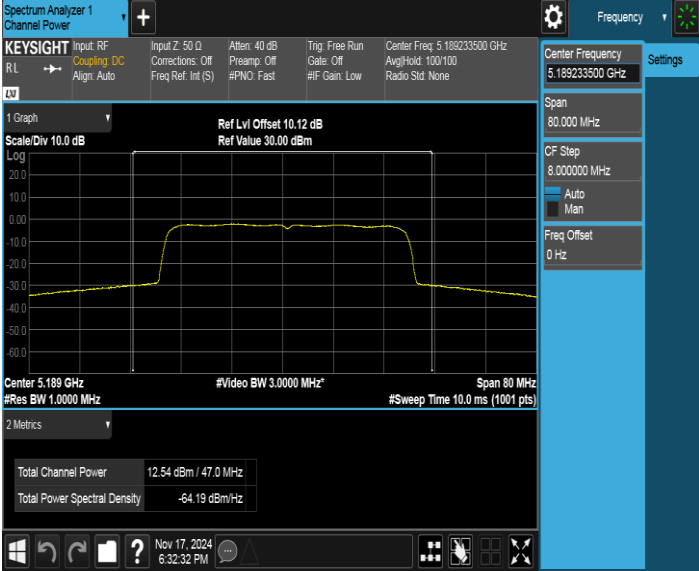
Test Mode	Test Channel	Verdict
11ax HE20	5720_UNII-2C	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.716 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.716 GHz' and ranges from 5.700 GHz to 5.732 GHz. The signal is a narrowband peak. The right-hand side shows the 'Settings' panel with 'Center Frequency' set to 5.715527500 GHz, 'Span' set to 37.890 MHz, and 'CF Step' set to 3.789000 MHz. The bottom status bar shows 'Total Channel Power: 9.09 dBm / 18.9 MHz' and 'Total Power Spectral Density: -63.68 dBm/Hz'.</p>		

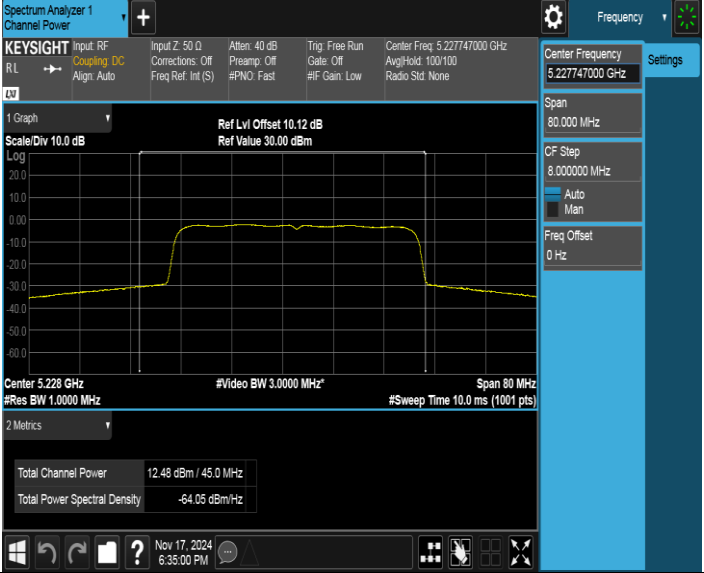
Test Mode	Test Channel	Verdict
11ax HE20	5720_UNII-3	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.729 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.729 GHz' and ranges from 5.714 GHz to 5.744 GHz. The signal is a narrowband peak. The right-hand side shows the 'Settings' panel with 'Center Frequency' set to 5.728845500 GHz, 'Span' set to 15.382 MHz, and 'CF Step' set to 1.538200 MHz. The bottom status bar shows 'Total Channel Power: 3.89 dBm / 7.69 MHz' and 'Total Power Spectral Density: -64.97 dBm/Hz'.</p>		

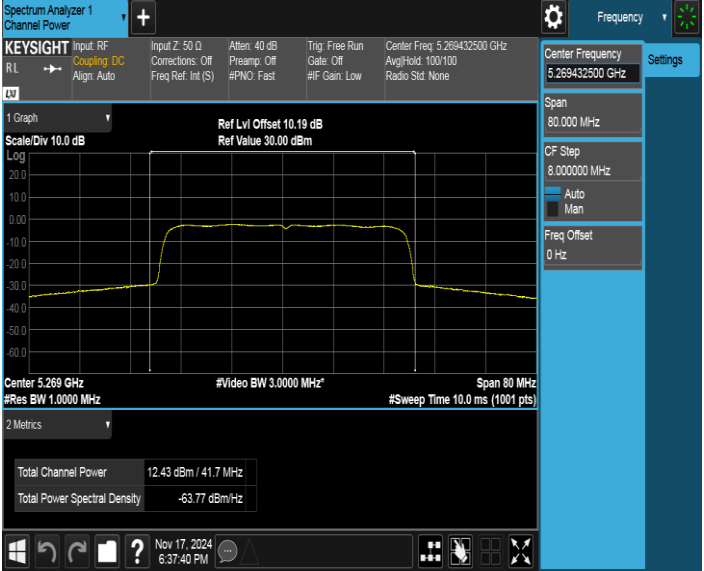
Test Mode	Test Channel	Verdict
11ax HE20	5745	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.746 GHz with a total channel power of 9.95 dBm / 26.0 MHz. The reference level is set to 10.27 dB. The span is 40 MHz, and the resolution bandwidth is 3.0000 MHz. The center frequency is 5.746151500 GHz. The settings panel on the right shows the center frequency, span, and other parameters.</p>		

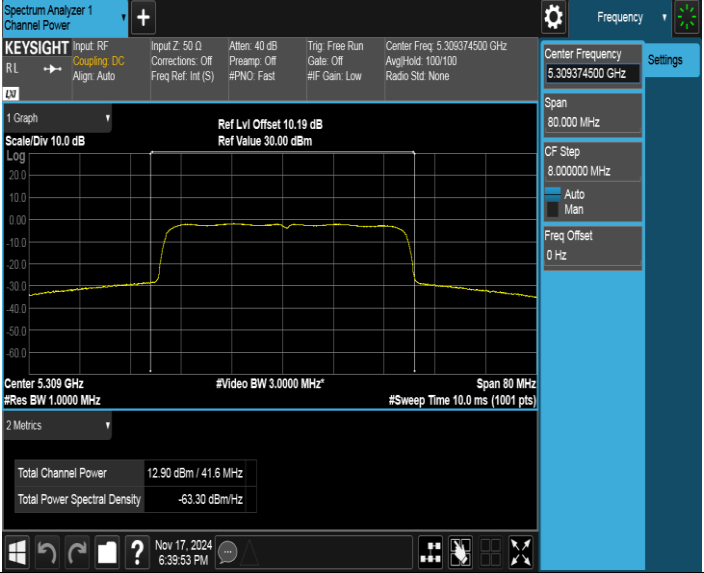
Test Mode	Test Channel	Verdict
11ax HE20	5785	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.784 GHz with a total channel power of 11.02 dBm / 27.1 MHz. The reference level is set to 10.27 dB. The span is 40 MHz, and the resolution bandwidth is 3.0000 MHz. The center frequency is 5.783607500 GHz. The settings panel on the right shows the center frequency, span, and other parameters.</p>		

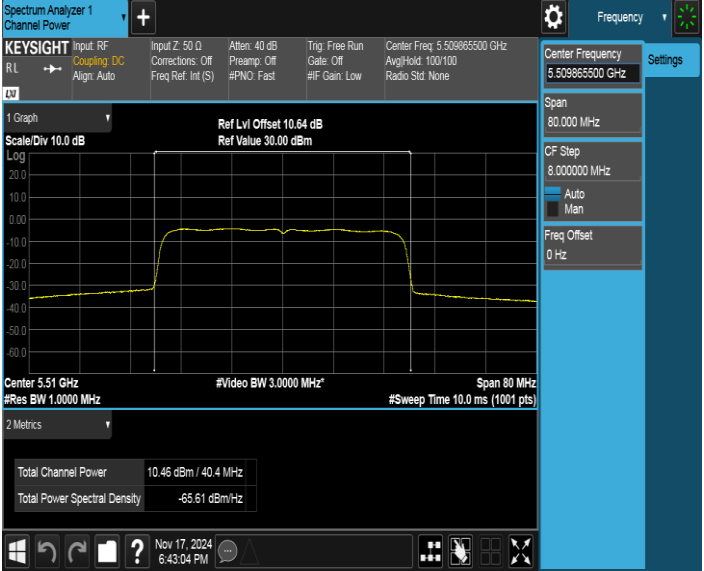
Test Mode	Test Channel	Verdict
11ax HE20	5825	PASS
		

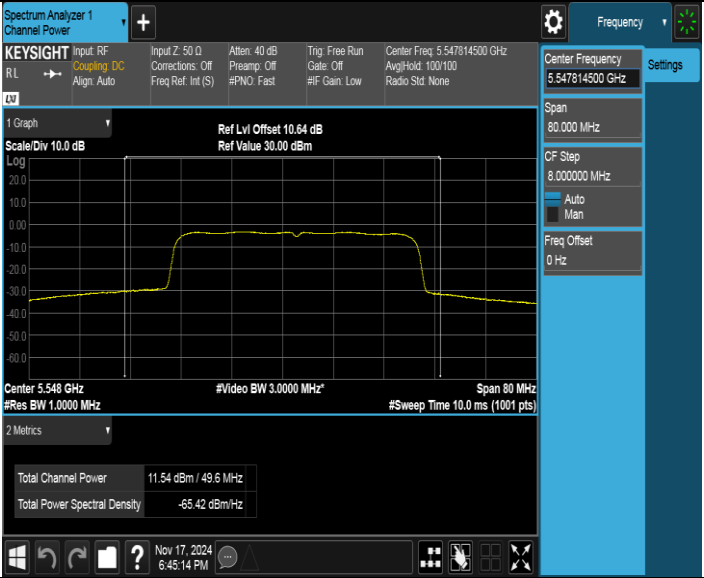
Test Mode	Test Channel	Verdict
11ax HE40	5190	PASS
		

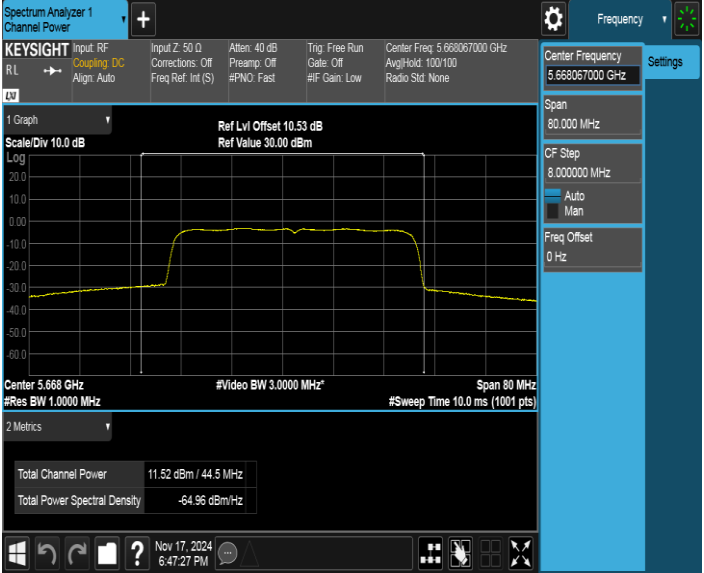
Test Mode	Test Channel	Verdict
11ax HE40	5230	PASS
		

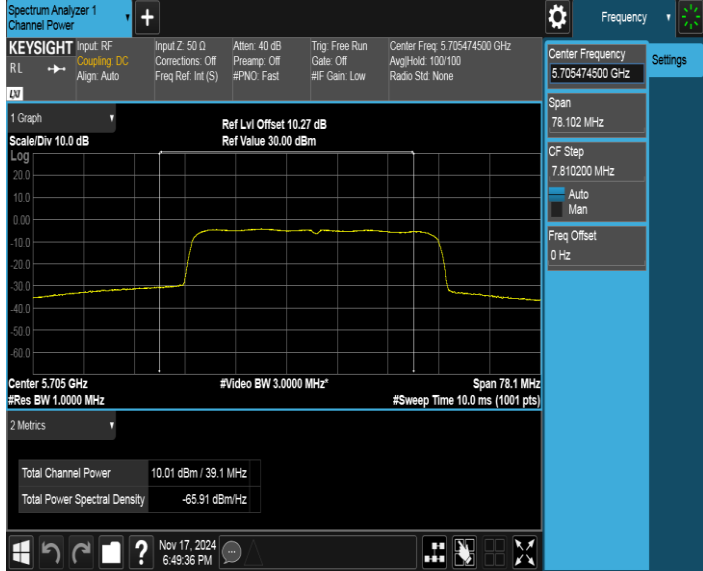
Test Mode	Test Channel	Verdict
11ax HE40	5270	PASS
		

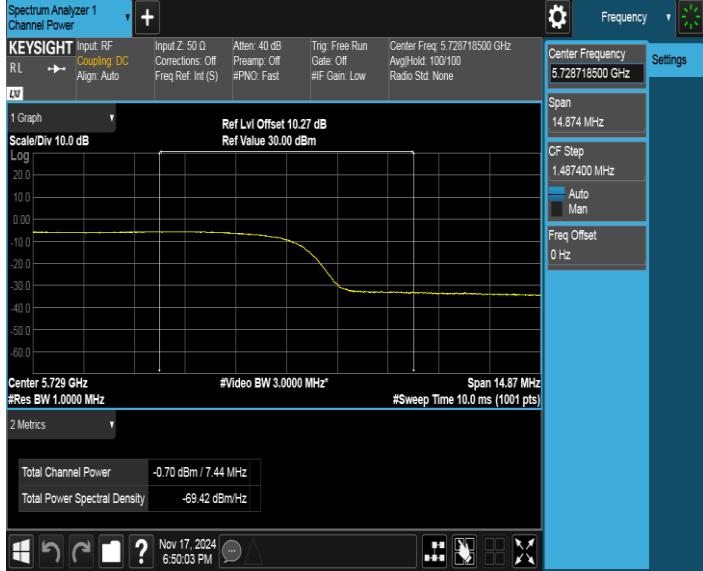
Test Mode	Test Channel	Verdict
11ax HE40	5310	PASS
		

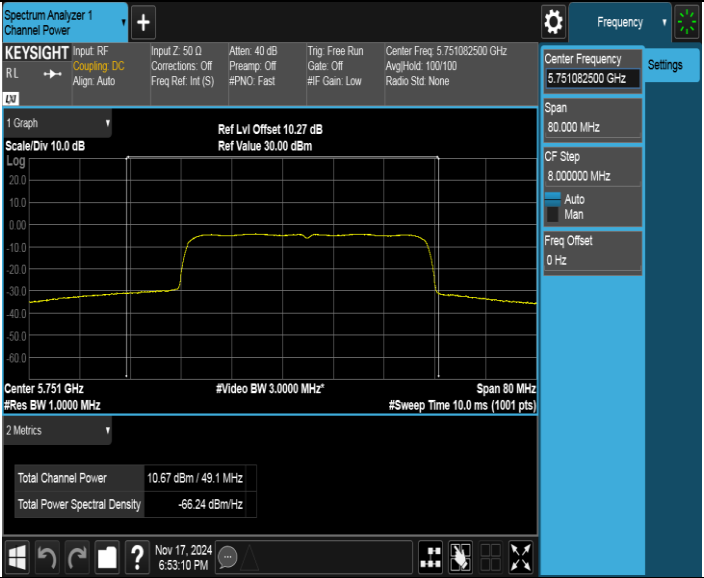
Test Mode	Test Channel	Verdict
11ax HE40	5510	PASS
		

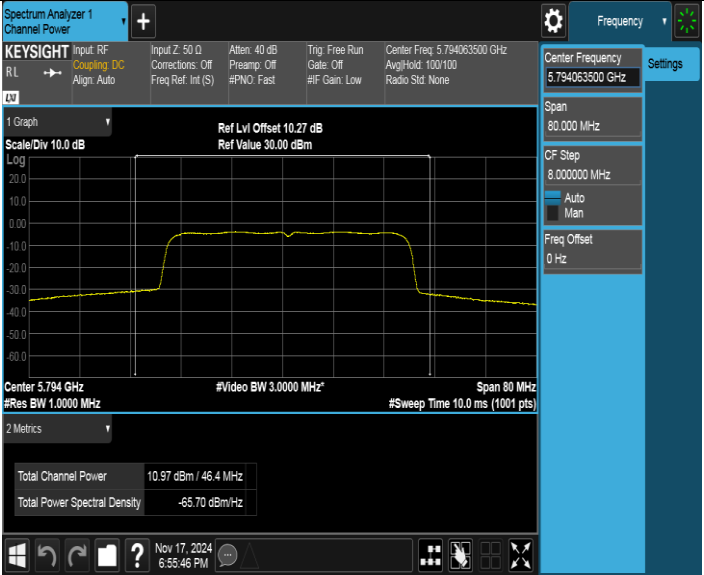
Test Mode	Test Channel	Verdict
11ax HE40	5550	PASS
 <p>The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.548 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.548 GHz' and ranges from 5.540 GHz to 5.556 GHz. The signal is a rectangular pulse. The '2 Metrics' section at the bottom shows: Total Channel Power: 11.54 dBm / 49.6 MHz, and Total Power Spectral Density: -65.42 dBm/Hz. The 'Settings' panel on the right shows: Center Frequency: 5.547814500 GHz, Span: 80.000 MHz, CF Step: 8.000000 MHz, Freq Offset: 0 Hz.</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5670	PASS
 <p>The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.668 GHz. 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 5.668 GHz' and ranges from 5.660 GHz to 5.676 GHz. The signal is a rectangular pulse. The '2 Metrics' section at the bottom shows: Total Channel Power: 11.62 dBm / 44.5 MHz, and Total Power Spectral Density: -64.96 dBm/Hz. The 'Settings' panel on the right shows: Center Frequency: 5.668067000 GHz, Span: 80.000 MHz, CF Step: 8.000000 MHz, Freq Offset: 0 Hz.</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5710_UNII-2C	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.705 GHz. 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 5.705 GHz' and ranges from 5.700 GHz to 5.710 GHz. The 'Total Channel Power' is 10.01 dBm / 39.1 MHz, and the 'Total Power Spectral Density' is -65.91 dBm/Hz. The 'Ref Lvl Offset' is 10.27 dB and the 'Ref Value' is 30.00 dBm. The 'Span' is 78.1 MHz and the 'Sweep Time' is 10.0 ms (1001 pts).</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5710_UNII-3	PASS
 <p>The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.729 GHz. 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 5.729 GHz' and ranges from 5.724 GHz to 5.734 GHz. The 'Total Channel Power' is -0.70 dBm / 7.44 MHz, and the 'Total Power Spectral Density' is -69.42 dBm/Hz. The 'Ref Lvl Offset' is 10.27 dB and the 'Ref Value' is 30.00 dBm. The 'Span' is 14.87 MHz and the 'Sweep Time' is 10.0 ms (1001 pts).</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5755	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.751 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 80 MHz. The signal is centered at 5.751 GHz. The total channel power is 10.67 dBm / 49.1 MHz, and the total power spectral density is -66.24 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.27 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency at 5.751082500 GHz, span at 80.000 MHz, and CF step at 8.000000 MHz.</p>		

Test Mode	Test Channel	Verdict
11ax HE40	5795	PASS
 <p>The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.794 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 80 MHz. The signal is centered at 5.794 GHz. The total channel power is 10.97 dBm / 46.4 MHz, and the total power spectral density is -65.70 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.27 dB, and the reference value is 30.00 dBm. The settings panel on the right shows the center frequency at 5.794063500 GHz, span at 80.000 MHz, and CF step at 8.000000 MHz.</p>		

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

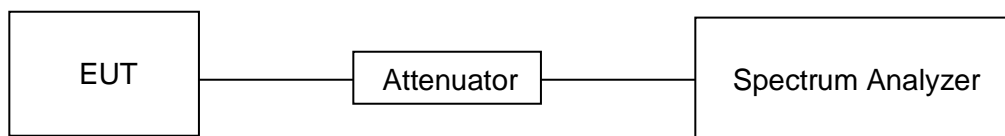
For U-NII-3:

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	11/17/2024

RESULTS

Band 1 & Band 2:

Mode	Channel	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	2.05	0	2.05	11	/	1.08	3.13	10
	5200	1.99	0	1.99	11	/	1.08	3.07	10
	5240	1.46	0	1.46	11	/	1.08	2.54	10
	5260	1.68	0	1.68	11	11	1.08	2.76	/
	5280	1.58	0	1.58	11	11	1.08	2.66	/
	5320	1.90	0	1.90	11	11	1.08	2.98	/
	5500	-0.07	0	-0.07	11	11	1.08	1.01	/
	5580	0.03	0	0.03	11	11	1.08	1.11	/
	5700	-0.01	0	-0.01	11	11	1.08	1.07	/
	5720_ UNII-2C	-0.80	0	-0.80	11	11	1.08	0.28	/

Mode	Channel	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	1.60	0	1.60	11	/	1.08	2.68	10
	5200	1.64	0	1.64	11	/	1.08	2.72	10
	5240	1.14	0	1.14	11	/	1.08	2.22	10
	5260	1.41	0	1.41	11	11	1.08	2.49	/
	5280	1.28	0	1.28	11	11	1.08	2.36	/
	5320	1.66	0	1.66	11	11	1.08	2.74	/
	5500	-0.28	0	-0.28	11	11	1.08	0.80	/
	5580	-0.21	0	-0.21	11	11	1.08	0.87	/
	5700	-0.34	0	-0.34	11	11	1.08	0.74	/
	5720_ UNII-2C	-0.92	0	-0.92	11	11	1.08	0.16	/

Mode	Channel	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	-1.54	0	-1.54	11	/	1.08	-0.46	10
	5230	-1.60	0	-1.60	11	/	1.08	-0.52	10
	5270	-1.67	0	-1.67	11	/	1.08	-0.59	/
	5310	-1.35	0	-1.35	11	11	1.08	-0.27	/
	5510	-3.62	0	-3.62	11	11	1.08	-2.54	/
	5550	-2.64	0	-2.64	11	11	1.08	-1.56	/
	5670	-2.73	0	-2.73	11	11	1.08	-1.65	/
	5710_ UNII-2C	-3.98	0	-3.98	11	11	1.08	-2.90	/

Mode	Channel	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	1.71	0	1.71	11	/	1.08	2.79	10
	5200	1.60	0	1.60	11	/	1.08	2.68	10
	5240	1.08	0	1.08	11	/	1.08	2.16	10
	5260	1.27	0	1.27	11	11	1.08	2.35	/
	5280	1.06	0	1.06	11	11	1.08	2.14	/
	5320	1.52	0	1.52	11	11	1.08	2.60	/
	5500	-0.38	0	-0.38	11	11	1.08	0.70	/
	5580	-0.23	0	-0.23	11	11	1.08	0.85	/
	5700	-0.45	0	-0.45	11	11	1.08	0.63	/
	5720_ UNII-2C	-1.13	0	-1.13	11	11	1.08	-0.05	/

Mode	Channel	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	-1.66	0	-1.66	11	/	1.08	-0.58	10
	5230	-1.48	0	-1.48	11	/	1.08	-0.40	10
	5270	-1.83	0	-1.83	11	/	1.08	-0.75	/
	5310	-1.36	0	-1.36	11	11	1.08	-0.28	/
	5510	-3.70	0	-3.70	11	11	1.08	-2.62	/
	5550	-2.70	0	-2.70	11	11	1.08	-1.62	/
	5670	-2.89	0	-2.89	11	11	1.08	-1.81	/
	5710_UNII-2C	-3.87	0	-3.87	11	11	1.08	-2.79	/

Band 3:

Mode	Channel	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	-3.91	0	-2.55	2.22	-0.33	30.00
	5745	-3.85	0	-1.02	2.22	1.20	30.00
	5785	-2.69	0	-0.47	2.22	1.75	30.00
	5825	-2.72	0	-1.17	2.22	1.05	30.00

Mode	Channel	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	-4.08	0	-2.86	2.22	-0.64	30.00
	5745	-4.05	0	-1.28	2.22	0.94	30.00
	5785	-2.97	0	-0.83	2.22	1.39	30.00
	5825	-3.03	0	-1.57	2.22	0.65	30.00

Mode	Channel	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	-7.96	0	-7.02	2.22	-4.80	30.00
	5755	-6.51	0	-3.76	2.22	-1.54	30.00
	5795	-6.13	0	-3.96	2.22	-1.74	30.00

Mode	Channel	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	-4.23	0	-4.23	2.22	-2.01	30.00
	5745	-4.15	0	-4.15	2.22	-1.93	30.00
	5785	-3.05	0	-3.05	2.22	-0.83	30.00
	5825	-3.18	0	-3.18	2.22	-0.96	30.00

Mode	Channel	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	-8.01	0	-8.01	2.22	-5.79	30.00
	5755	-6.42	0	-6.42	2.22	-4.20	30.00
	5795	-6.09	0	-6.09	2.22	-3.87	30.00

Note:

1. The Result and Limit Unit is dBm/500 kHz in the band 5.725 - 5.85 GHz.
2. $\text{PSD/500 kHz} = 10 \cdot \log \left(10^{\left(\frac{\text{PSD/300 kHz}}{10} \right) / 300 \cdot 500} \right)$
 $= \text{PSD/300 kHz} + 2.2 \text{ dB}$

