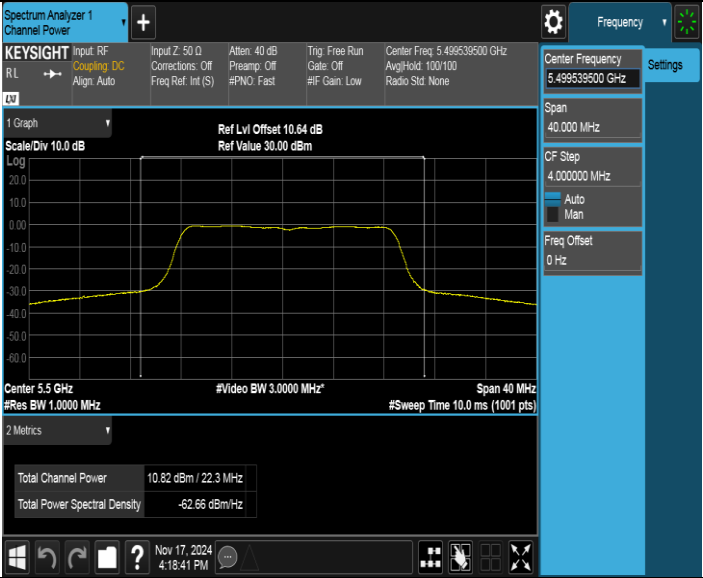
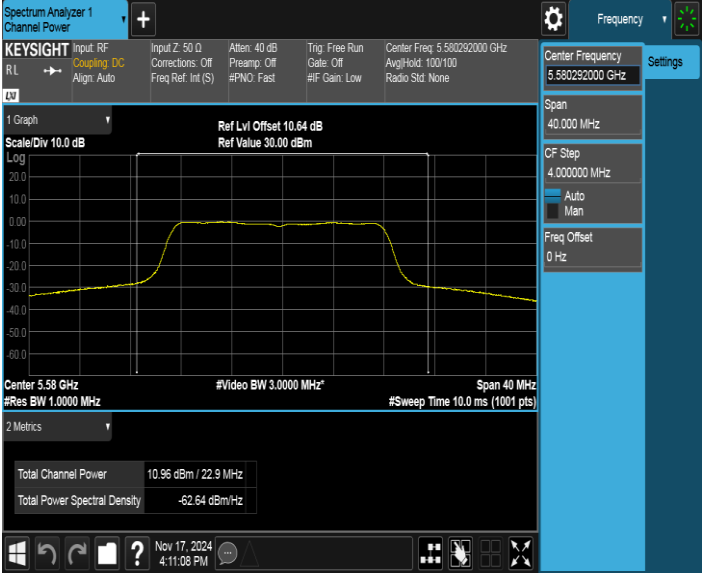
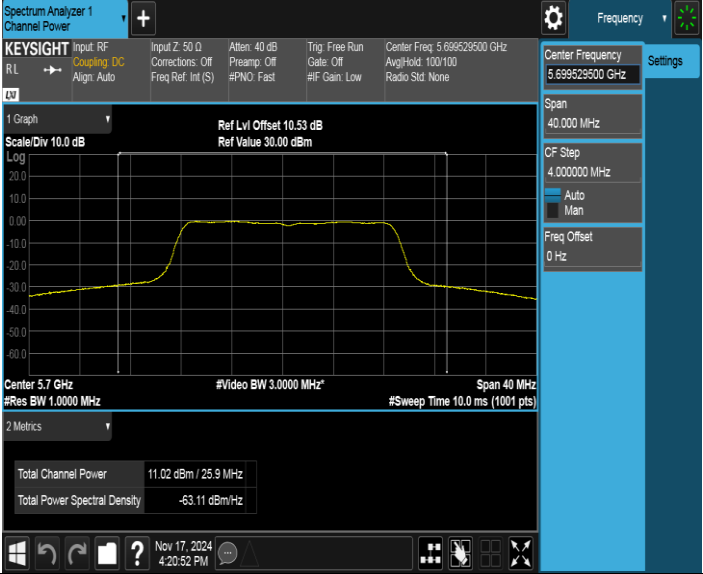
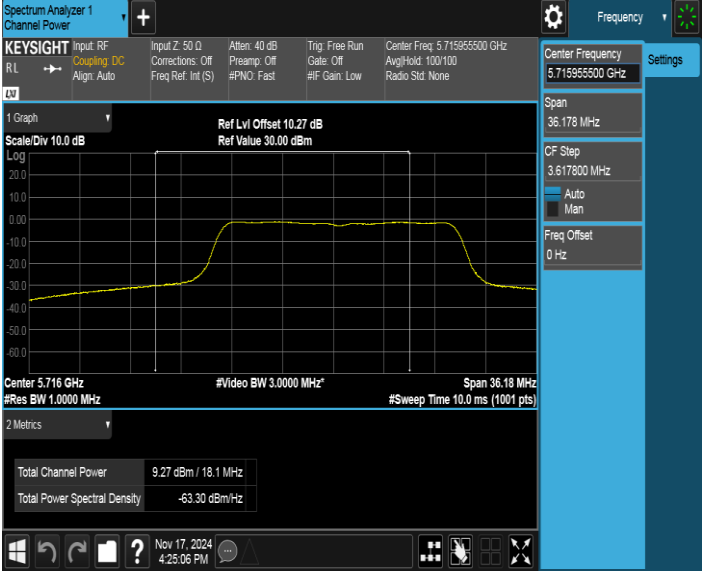
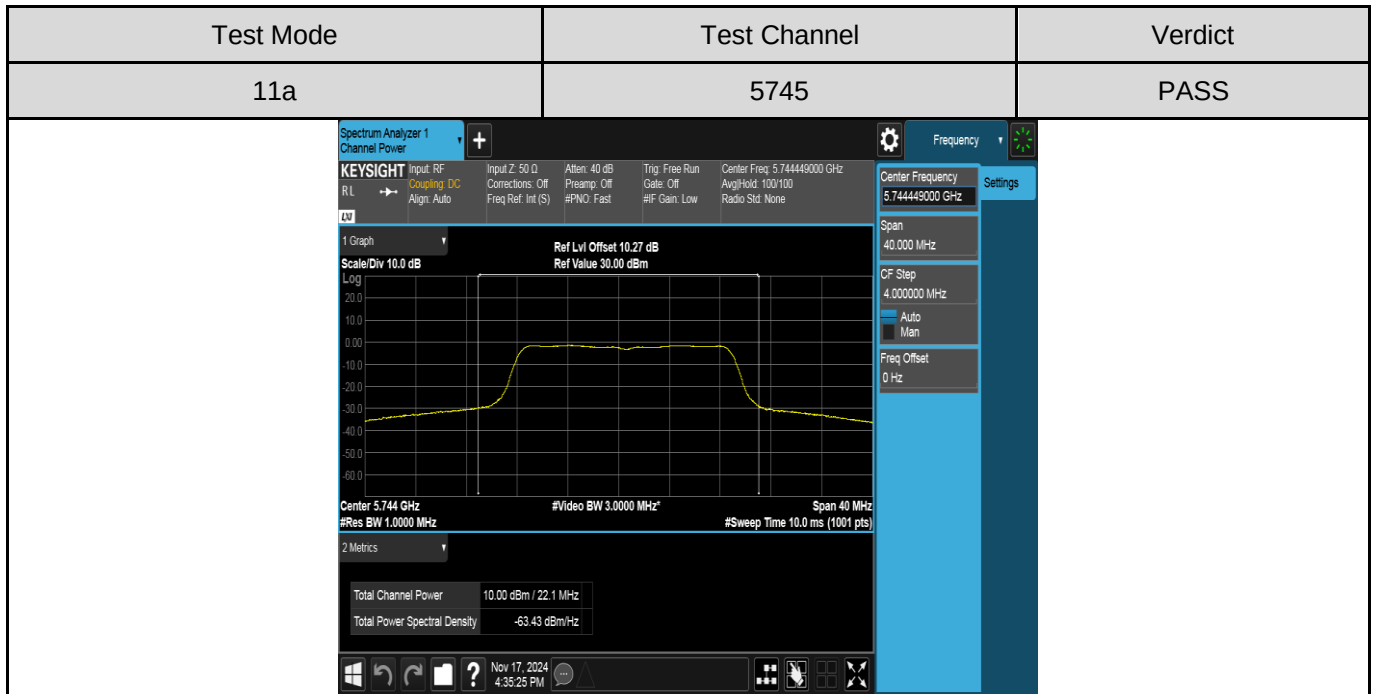
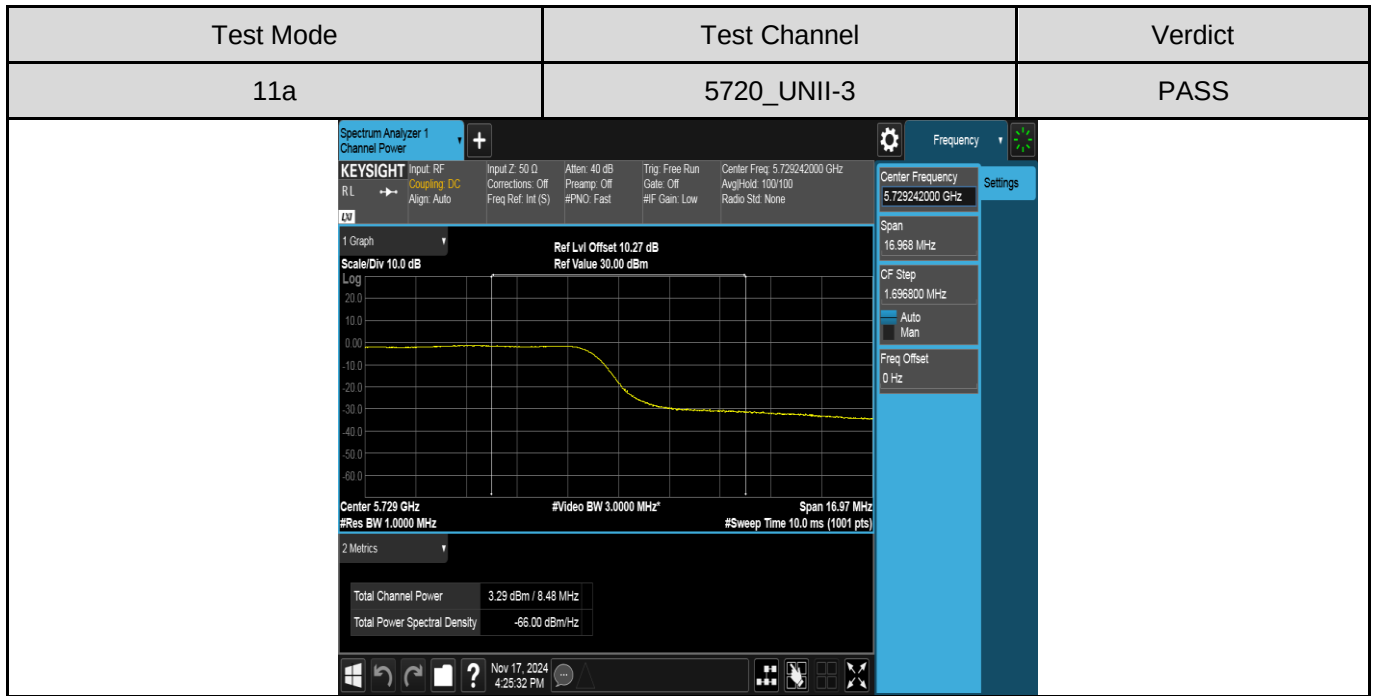


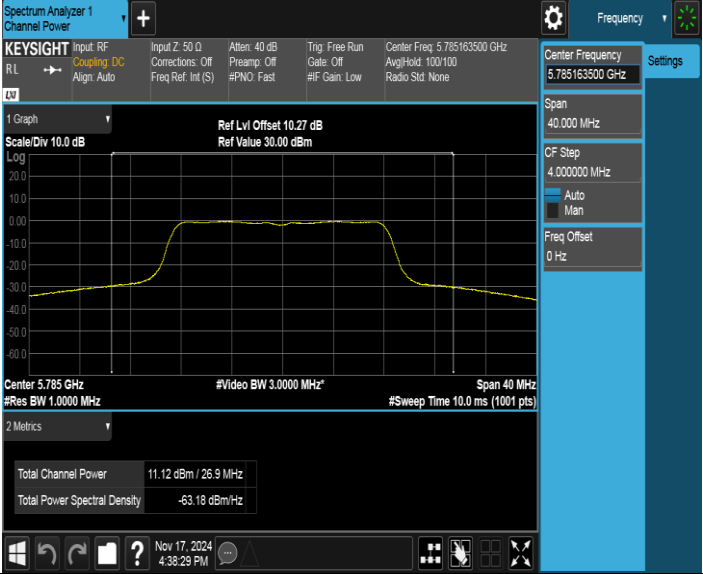
Test Mode	Test Channel	Verdict
11a	5500	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.4965 GHz. The y-axis represents power in dBm, ranging from -60 to 20. The x-axis represents frequency in MHz, with a span of 40 MHz. The center frequency is set to 5.496539500 GHz. The resolution bandwidth (RBW) is 3.0000 MHz, and the video bandwidth (VBW) is 3.0000 MHz. The total channel power is 10.82 dBm, and the total power spectral density is -62.66 dBm/Hz. 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, and other parameters.		

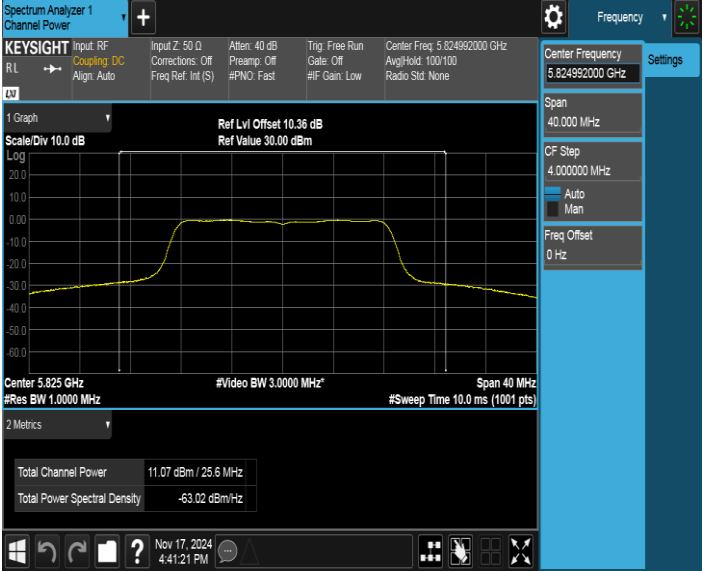
Test Mode	Test Channel	Verdict
11a	5580	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.5803 GHz. The y-axis represents power in dBm, ranging from -60 to 20. The x-axis represents frequency in MHz, with a span of 40 MHz. The center frequency is set to 5.580292000 GHz. The resolution bandwidth (RBW) is 3.0000 MHz, and the video bandwidth (VBW) is 3.0000 MHz. The total channel power is 10.96 dBm, and the total power spectral density is -62.64 dBm/Hz. 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, and other parameters.		

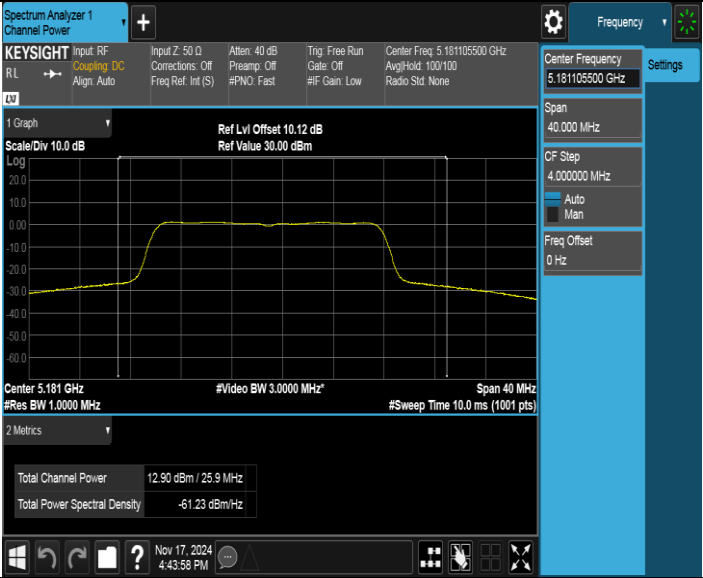
Test Mode	Test Channel	Verdict
11a	5700	PASS
		

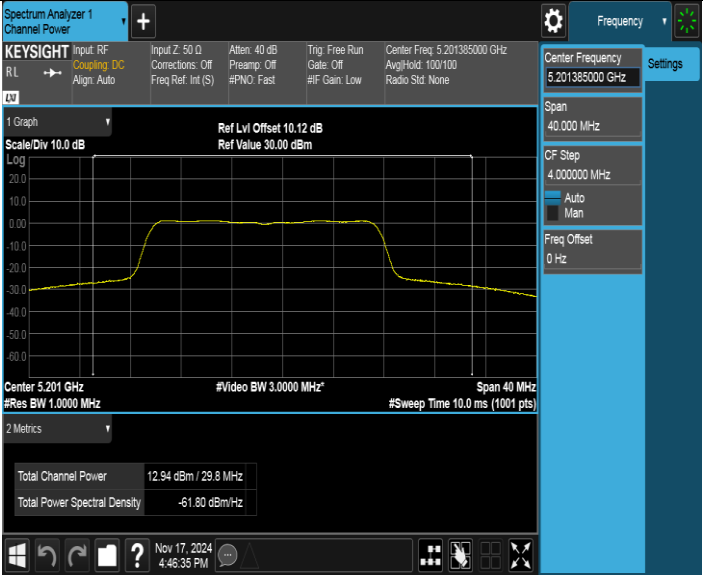
Test Mode	Test Channel	Verdict
11a	5720_UNII-2C	PASS
		

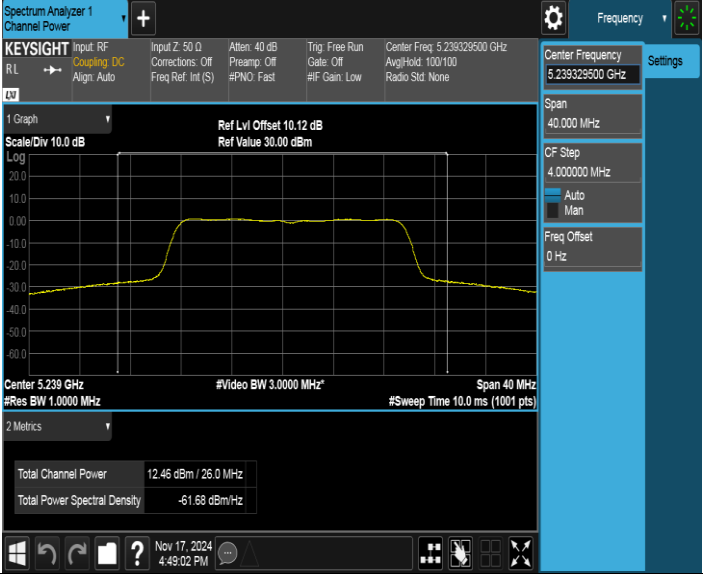


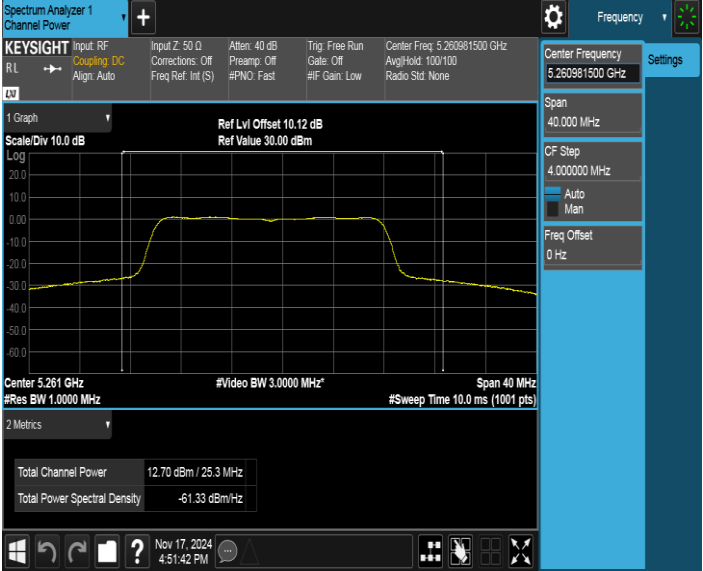
Test Mode	Test Channel	Verdict
11a	5785	PASS
		

Test Mode	Test Channel	Verdict
11a	5825	PASS
		

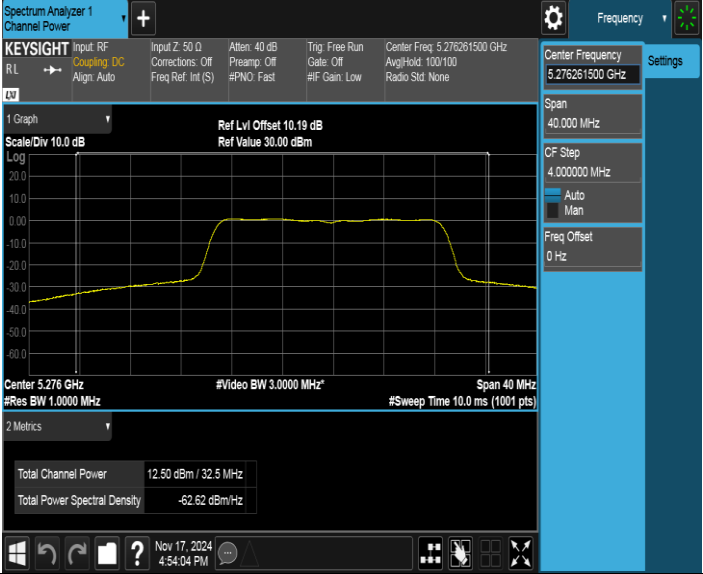
Test Mode	Test Channel	Verdict
11ac VHT20	5180	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.181 GHz with a span of 40 MHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The signal is centered at 5.181 GHz with a video bandwidth of 3.0000 MHz. The total channel power is 12.90 dBm / 25.9 MHz, and the total power spectral density is -61.23 dBm/Hz. The interface includes various settings such as Center Frequency, Span, CF Step, and Freq Offset.		

Test Mode	Test Channel	Verdict
11ac VHT20	5200	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.201 GHz with a span of 40 MHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The signal is centered at 5.201 GHz with a video bandwidth of 3.0000 MHz. The total channel power is 12.94 dBm / 29.8 MHz, and the total power spectral density is -61.80 dBm/Hz. The interface includes various settings such as Center Frequency, Span, CF Step, and Freq Offset.		

Test Mode	Test Channel	Verdict
11ac VHT20	5240	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.239 GHz with a total channel power of 12.46 dBm / 26.0 MHz. The plot is set to a log scale with a span of 40 MHz and a resolution bandwidth of 3.0000 MHz. The signal is centered at 5.239 GHz with a reference level offset of 10.12 dB. The plot shows a clear signal with a flat top and sharp edges, indicating a well-defined signal. The settings on the right include a center frequency of 5.23929500 GHz, a span of 40.000 MHz, and a CF step of 4.000000 MHz. The bottom status bar shows the date and time as Nov 17, 2024, 4:49:02 PM.		

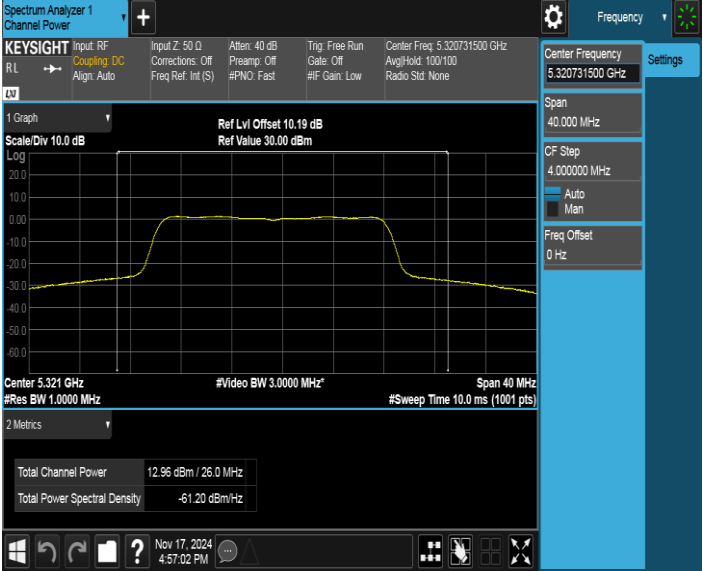
Test Mode	Test Channel	Verdict
11ac VHT20	5260	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.261 GHz with a total channel power of 12.70 dBm / 25.3 MHz. The plot is set to a log scale with a span of 40 MHz and a resolution bandwidth of 3.0000 MHz. The signal is centered at 5.261 GHz with a reference level offset of 10.12 dB. The plot shows a clear signal with a flat top and sharp edges, indicating a well-defined signal. The settings on the right include a center frequency of 5.260981500 GHz, a span of 40.000 MHz, and a CF step of 4.000000 MHz. The bottom status bar shows the date and time as Nov 17, 2024, 4:51:42 PM.		

Test Mode	Test Channel	Verdict
11ac VHT20	5280	PASS

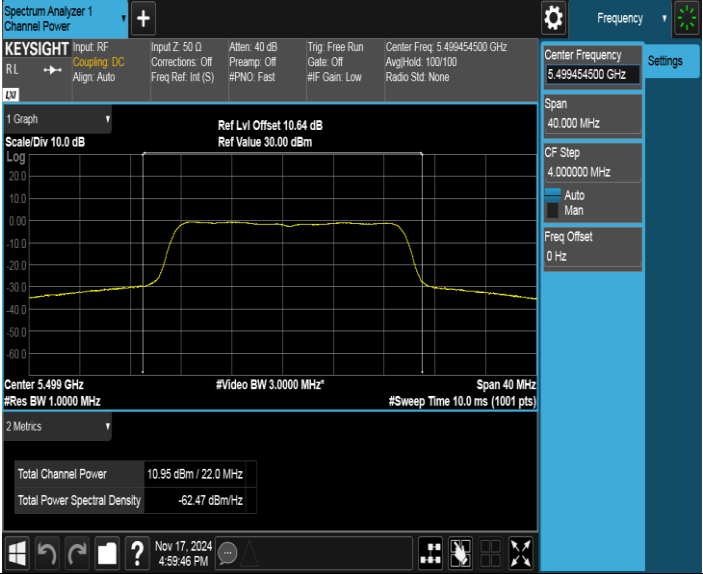


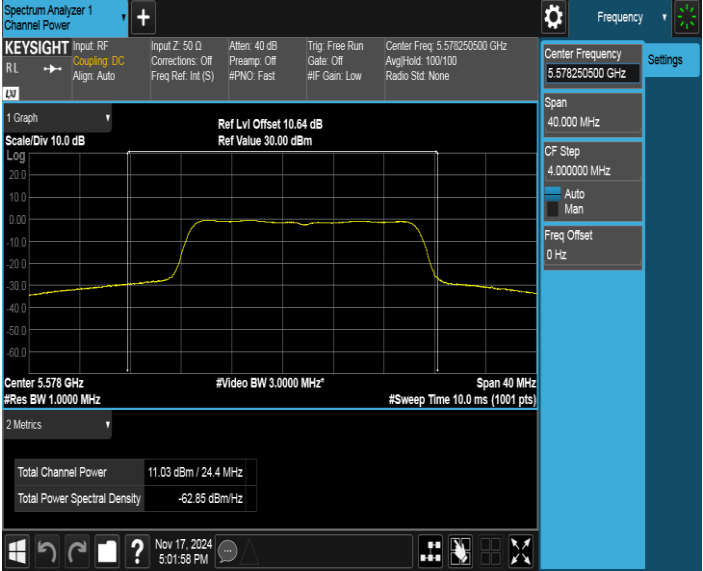
The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a spectral plot with a yellow trace. The center frequency is 5.276 GHz, and the span is 40 MHz. The resolution bandwidth (RBW) is 1.000 MHz, and the video bandwidth (VBW) is 3.000 MHz. The total channel power is 12.50 dBm / 32.5 MHz, and the total power spectral density is -62.62 dBm/Hz. The plot shows a signal with a flat top and sloped sides, characteristic of a VHT20 channel.

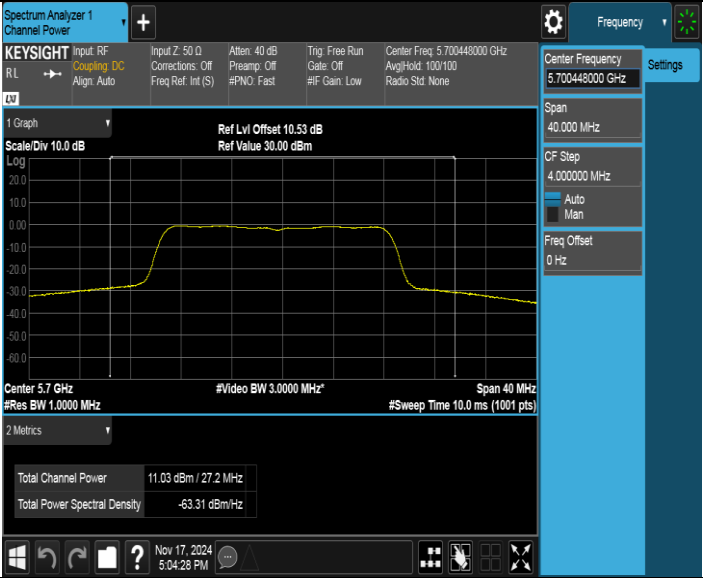
Test Mode	Test Channel	Verdict
11ac VHT20	5320	PASS

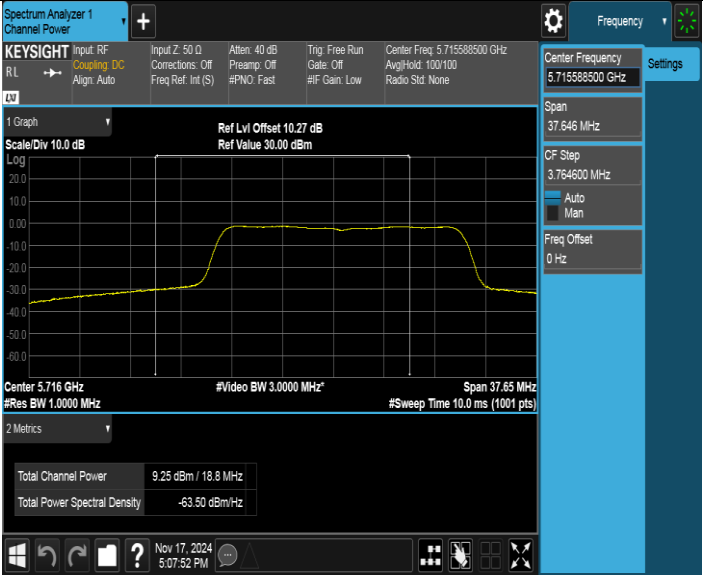


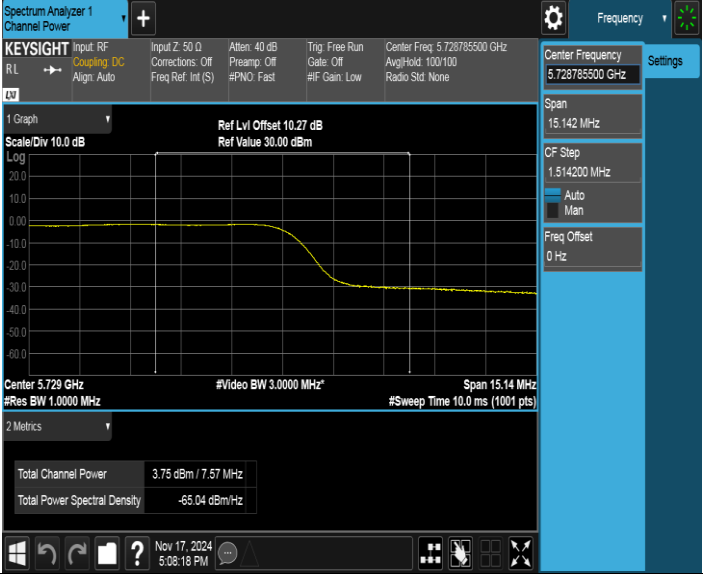
The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a spectral plot with a yellow trace. The center frequency is 5.321 GHz, and the span is 40 MHz. The resolution bandwidth (RBW) is 1.000 MHz, and the video bandwidth (VBW) is 3.000 MHz. The total channel power is 12.96 dBm / 26.0 MHz, and the total power spectral density is -61.20 dBm/Hz. The plot shows a signal with a flat top and sloped sides, characteristic of a VHT20 channel.

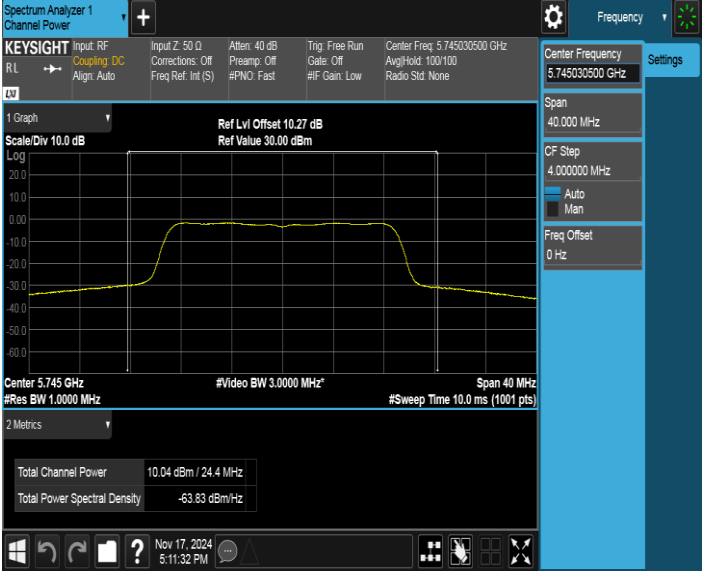
Test Mode	Test Channel	Verdict
11ac VHT20	5500	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.499 GHz with a span of 40 MHz. The signal is a rectangular pulse. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.499 GHz' and ranges from 5.459 GHz to 5.539 GHz. The plot shows a signal level of approximately 0 dBm. The right-hand side of the screen shows the 'Settings' panel with various parameters: 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 'Total Channel Power 10.95 dBm / 22.0 MHz' and 'Total Power Spectral Density -62.47 dBm/MHz'.		

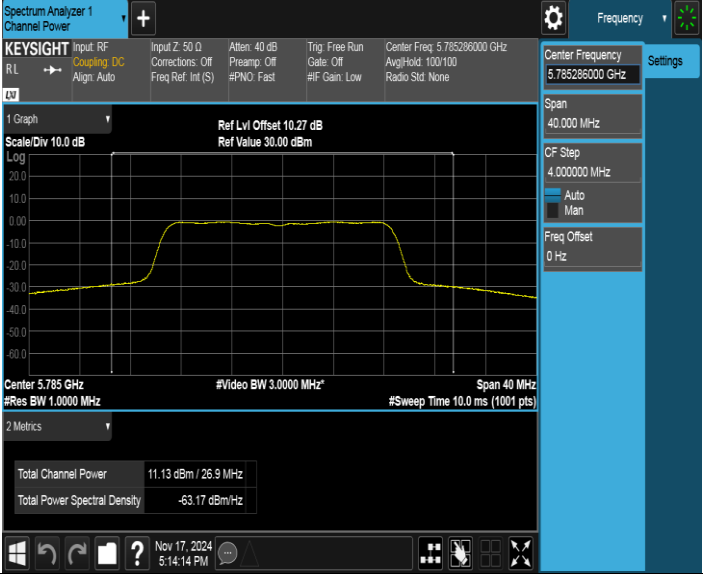
Test Mode	Test Channel	Verdict
11ac VHT20	5580	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 5.578 GHz with a span of 40 MHz. The signal is a rectangular pulse. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.578 GHz' and ranges from 5.538 GHz to 5.618 GHz. The plot shows a signal level of approximately 0 dBm. The right-hand side of the screen shows the 'Settings' panel with various parameters: 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 'Total Channel Power 11.03 dBm / 24.4 MHz' and 'Total Power Spectral Density -62.85 dBm/MHz'.		

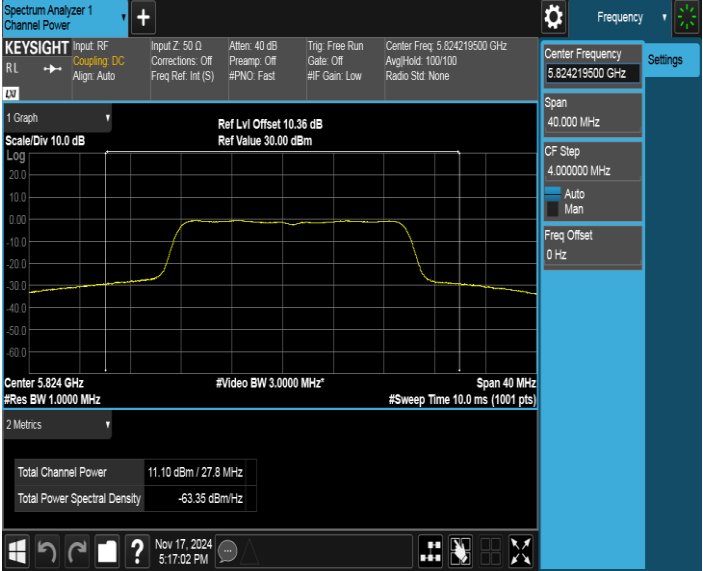
Test Mode	Test Channel	Verdict
11ac VHT20	5700	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.7 GHz with a total channel power of 11.03 dBm / 27.2 MHz. The reference level is set to 30.00 dBm. The span is 40 MHz, and the resolution bandwidth is 3.0000 MHz. The center frequency is 5.700448000 GHz. The settings panel on the right shows the center frequency, span, and other parameters.		

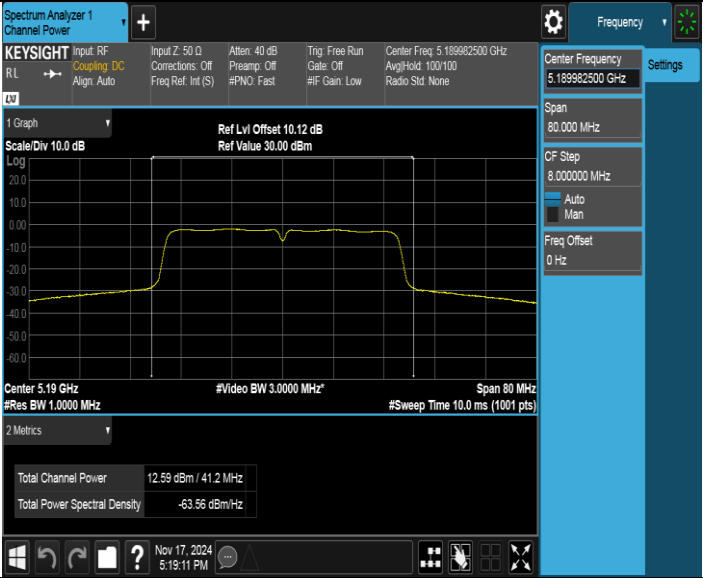
Test Mode	Test Channel	Verdict
11ac VHT20	5720_UNII-2C	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.716 GHz with a total channel power of 9.25 dBm / 18.8 MHz. The reference level is set to 30.00 dBm. The span is 37.65 MHz, and the resolution bandwidth is 3.0000 MHz. The center frequency is 5.715588500 GHz. The settings panel on the right shows the center frequency, span, and other parameters.		

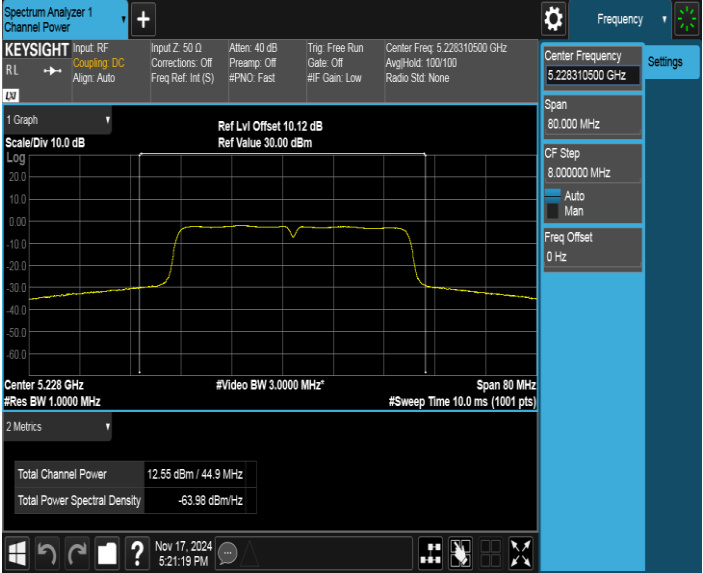
Test Mode	Test Channel	Verdict
11ac VHT20	5720_UNII-3	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.729 GHz with a total channel power of 3.75 dBm / 7.57 MHz. The plot is set to a scale of 10.0 dB and a resolution bandwidth of 3.0000 MHz. The 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.		

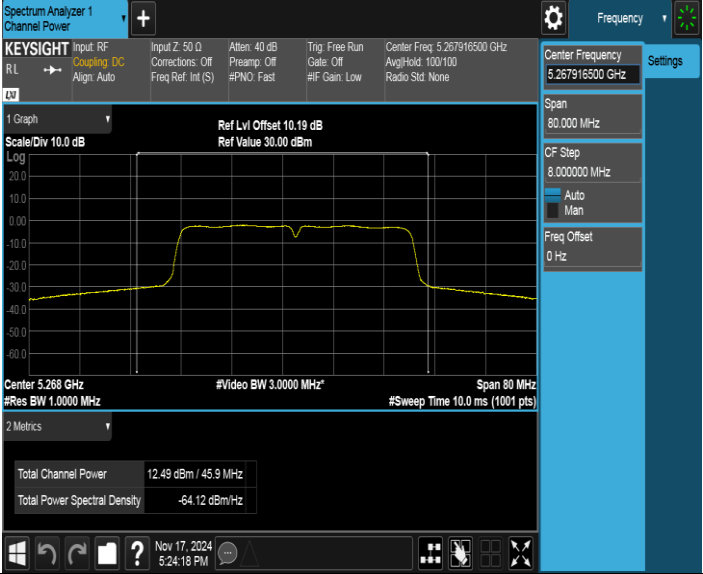
Test Mode	Test Channel	Verdict
11ac VHT20	5745	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.745 GHz with a total channel power of 10.04 dBm / 24.4 MHz. The plot is set to a scale of 10.0 dB and a resolution bandwidth of 3.0000 MHz. The center 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.		

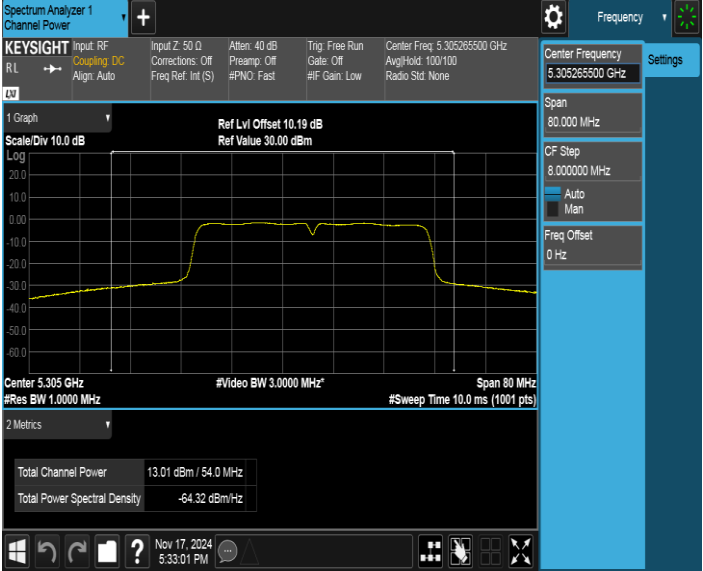
Test Mode	Test Channel	Verdict
11ac VHT20	5785	PASS
		

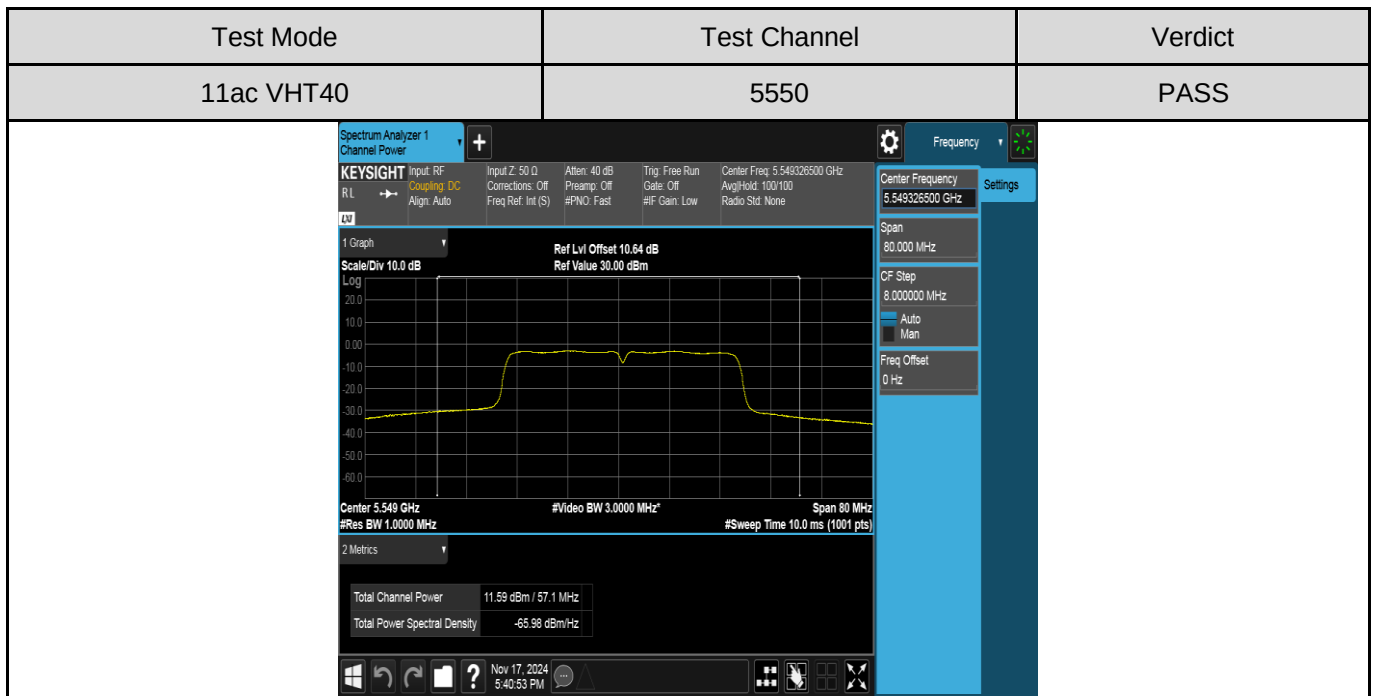
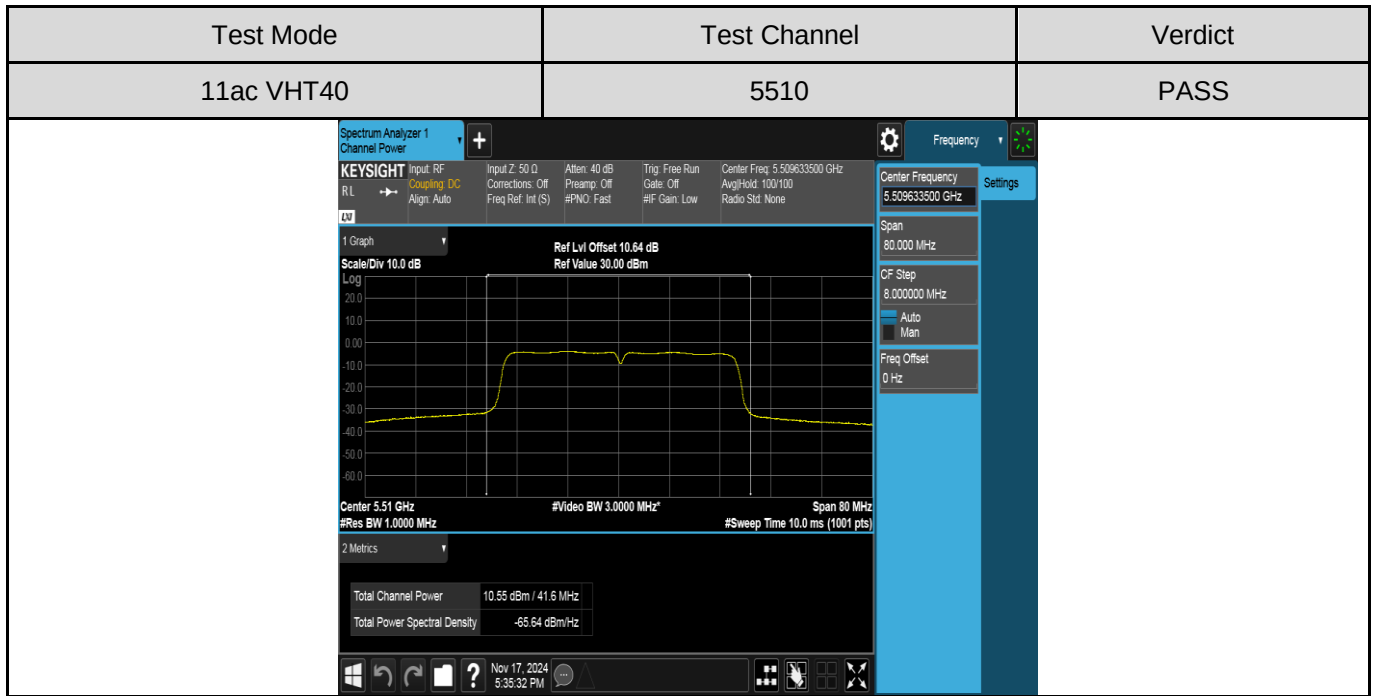
Test Mode	Test Channel	Verdict
11ac VHT20	5825	PASS
		

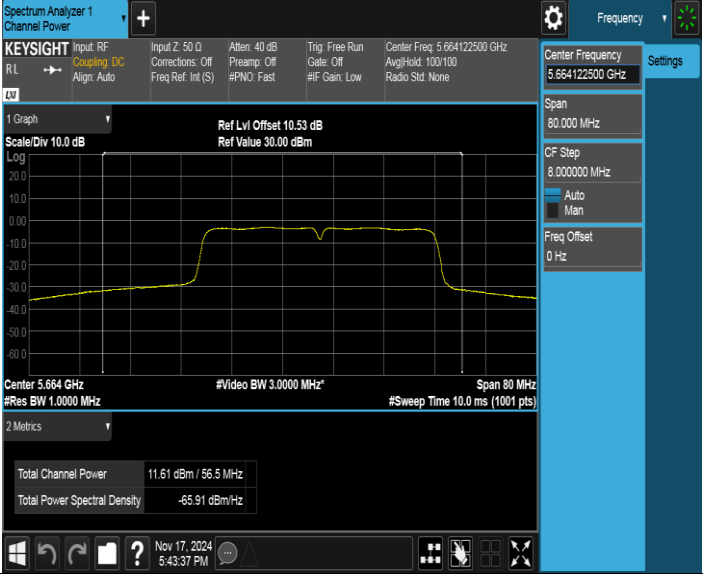
Test Mode	Test Channel	Verdict
11ac VHT40	5190	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.19 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.19 GHz' and ranges from 5.185 GHz to 5.195 GHz. The signal is identified as '11ac VHT40'. The total channel power is 12.59 dBm / 41.2 MHz, and the total power spectral density is -63.56 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The span is 80 MHz, and the sweep time is 10.0 ms (1001 pts). The center frequency is 5.18982500 GHz, and the span is 80.000 MHz. The CF step is 8.000000 MHz, and the frequency offset is 0 Hz. The settings panel on the right shows the center frequency, span, CF step, and frequency offset.		

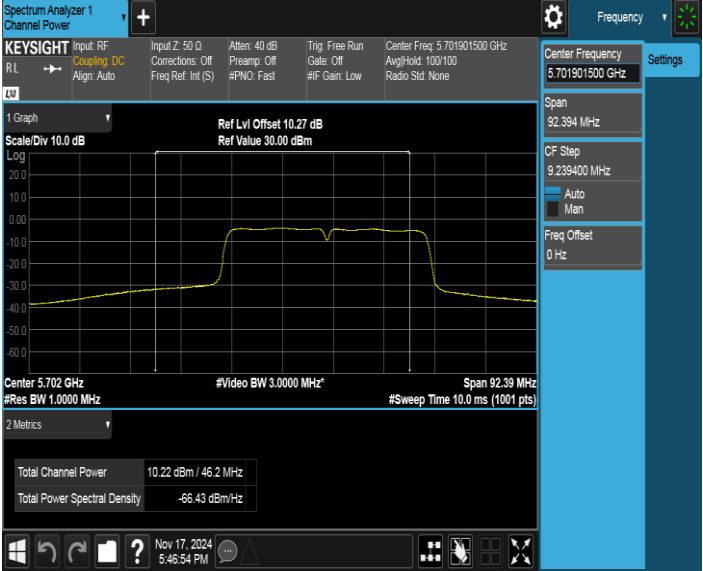
Test Mode	Test Channel	Verdict
11ac VHT40	5230	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.228 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.228 GHz' and ranges from 5.223 GHz to 5.233 GHz. The signal is identified as '11ac VHT40'. The total channel power is 12.55 dBm / 44.9 MHz, and the total power spectral density is -63.98 dBm/Hz. The video bandwidth is 3.0000 MHz, and the resolution bandwidth is 1.0000 MHz. The span is 80 MHz, and the sweep time is 10.0 ms (1001 pts). The center frequency is 5.228310500 GHz, and the span is 80.000 MHz. The CF step is 8.000000 MHz, and the frequency offset is 0 Hz. The settings panel on the right shows the center frequency, span, CF step, and frequency offset.		

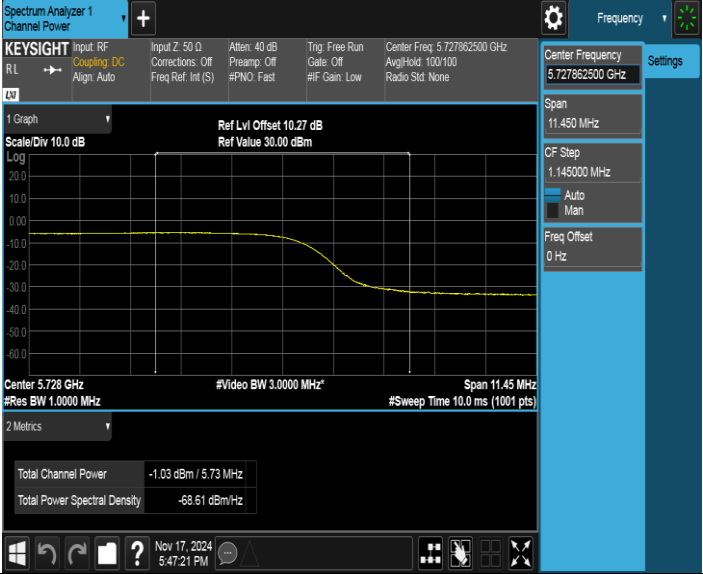
Test Mode	Test Channel	Verdict
11ac VHT40	5270	PASS
		

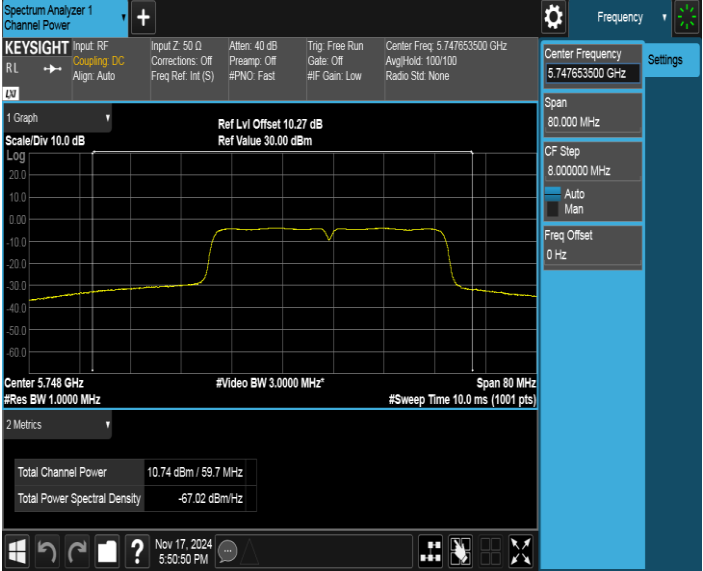
Test Mode	Test Channel	Verdict
11ac VHT40	5310	PASS
		



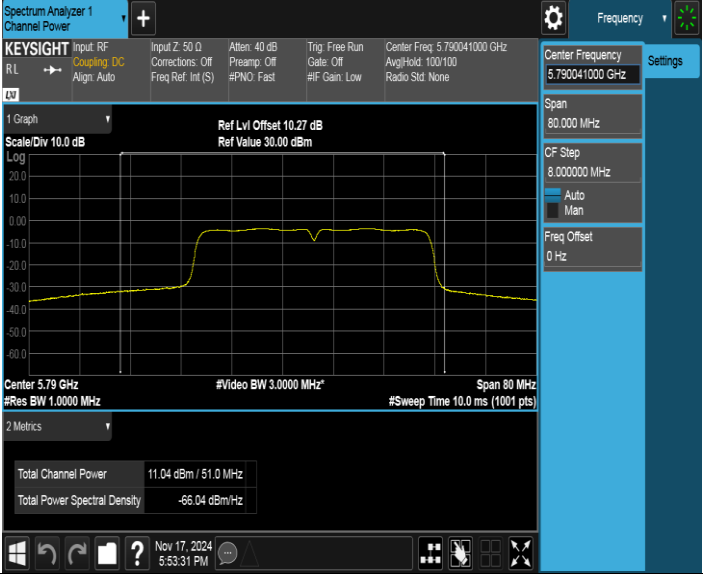
Test Mode	Test Channel	Verdict
11ac VHT40	5670	PASS
 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.664 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.664 GHz' and ranges from 5.600 to 5.720 GHz. The signal is a 11ac VHT40 channel. The total channel power is 11.61 dBm / 56.5 MHz. The total power spectral density is -65.91 dBm/Hz. The video bandwidth is 3.0000 MHz. The span is 80 MHz. The resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.53 dB. 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.		

Test Mode	Test Channel	Verdict
11ac VHT40	5710_UNII-2C	PASS
 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.702 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 5.702 GHz' and ranges from 5.640 to 5.764 GHz. The signal is a 11ac VHT40 channel. The total channel power is 10.22 dBm / 46.2 MHz. The total power spectral density is -66.43 dBm/Hz. The video bandwidth is 3.0000 MHz. The span is 92.39 MHz. The resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts). The reference level offset is 10.27 dB. 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.		

Test Mode	Test Channel	Verdict
11ac VHT40	5710_UNII-3	PASS
 The screenshot shows a 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 include a center frequency of 5.727862500 GHz, a span of 11.450 MHz, and a resolution bandwidth of 1.0000 MHz. The signal is identified as 11ac VHT40.		

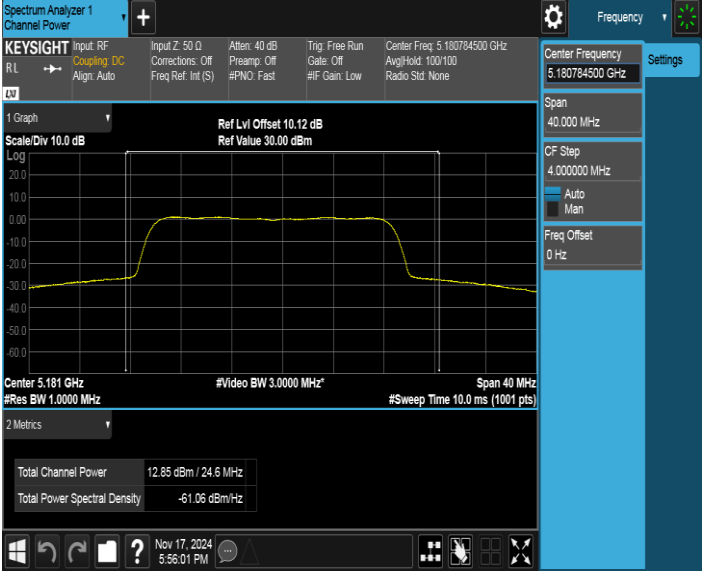
Test Mode	Test Channel	Verdict
11ac VHT40	5755	PASS
 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal at 5.748 GHz with a total channel power of 10.74 dBm. The settings include a center frequency of 5.747653500 GHz, a span of 80.000 MHz, and a resolution bandwidth of 1.0000 MHz. The signal is identified as 11ac VHT40.		

Test Mode	Test Channel	Verdict
11ac VHT40	5795	PASS

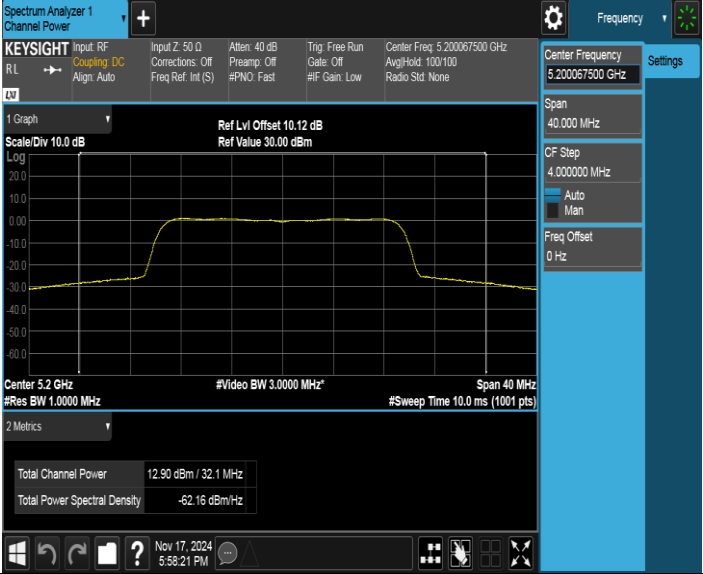


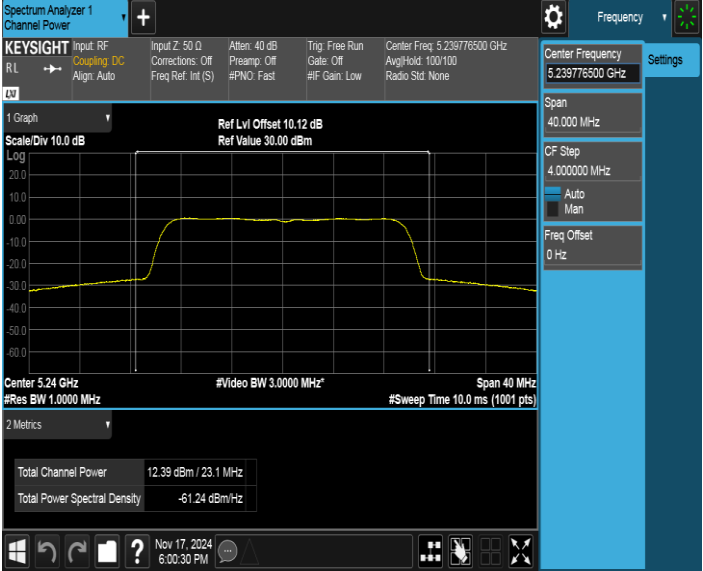
The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a power spectrum plot with a peak at 5.79 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.79 GHz' and ranges from 5.78 GHz to 5.80 GHz. The plot shows a signal with a bandwidth of 3.0000 MHz. The total channel power is 11.04 dBm / 51.0 MHz, and the total power spectral density is -66.04 dBm/Hz. The settings panel on the right shows a center frequency of 5.790041000 GHz, a span of 80.000 MHz, and a resolution bandwidth of 3.000000 MHz. The frequency offset is 0 Hz.

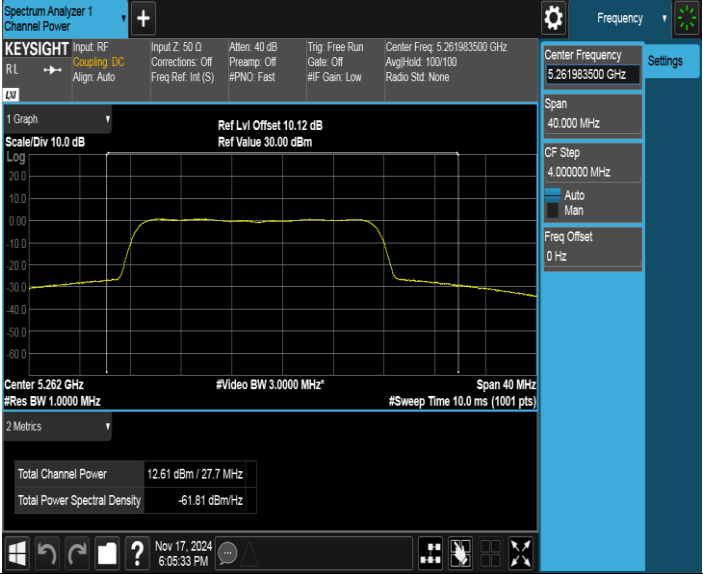
Test Mode	Test Channel	Verdict
11ax HE20	5180	PASS

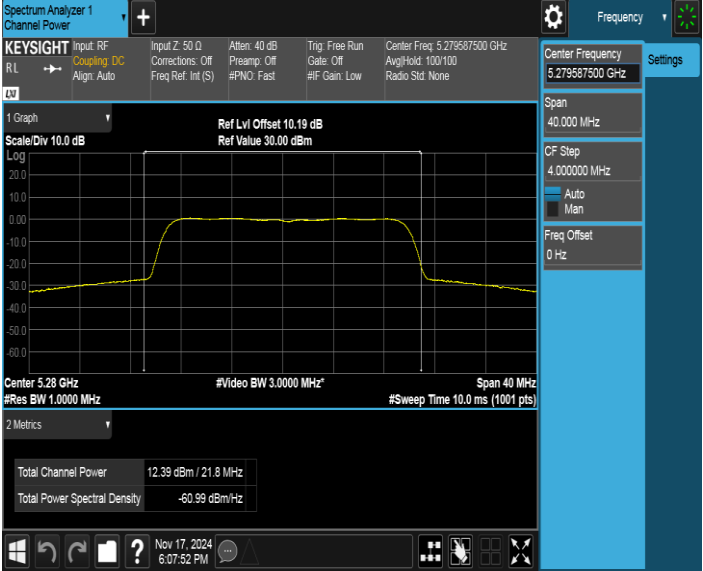


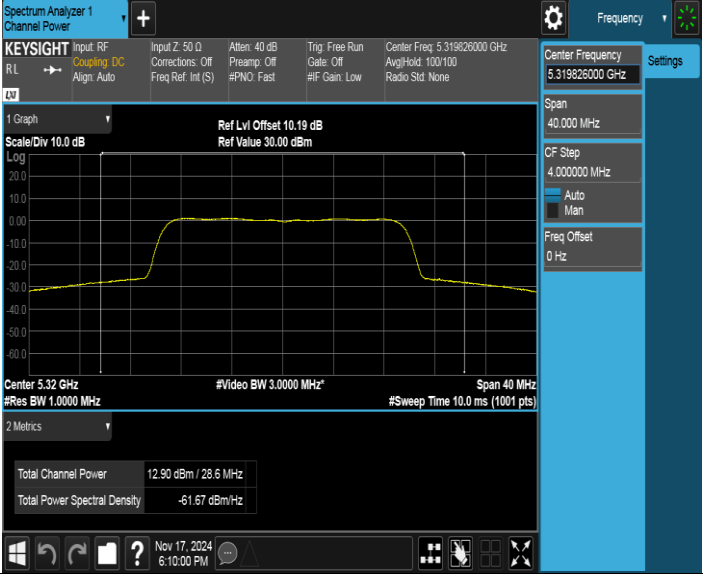
The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a power spectrum plot with a peak at 5.181 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.181 GHz' and ranges from 5.17 GHz to 5.19 GHz. The plot shows a signal with a bandwidth of 3.0000 MHz. The total channel power is 12.85 dBm / 24.6 MHz, and the total power spectral density is -61.06 dBm/Hz. The settings panel on the right shows a center frequency of 5.180784500 GHz, a span of 40.000 MHz, and a resolution bandwidth of 3.000000 MHz. The frequency offset is 0 Hz.

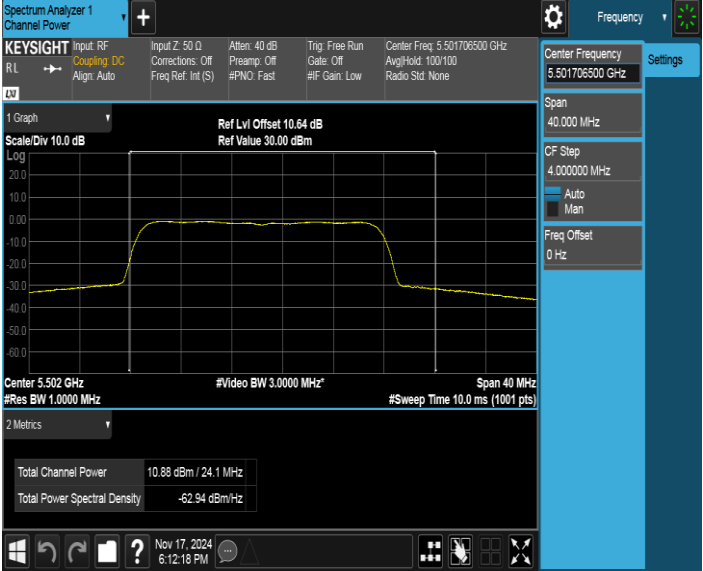
Test Mode	Test Channel	Verdict
11ax HE20	5200	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.2 GHz with a total channel power of 12.90 dBm / 32.1 MHz. The plot is set to a scale of 10.0 dB and a span of 40 MHz. The center frequency is 5.200067500 GHz. 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 plot shows a signal with a peak at 5.2 GHz and a total channel power of 12.90 dBm / 32.1 MHz. The plot is set to a scale of 10.0 dB and a span of 40 MHz. The center frequency is 5.200067500 GHz. The video bandwidth is 3.0000 MHz and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts).		

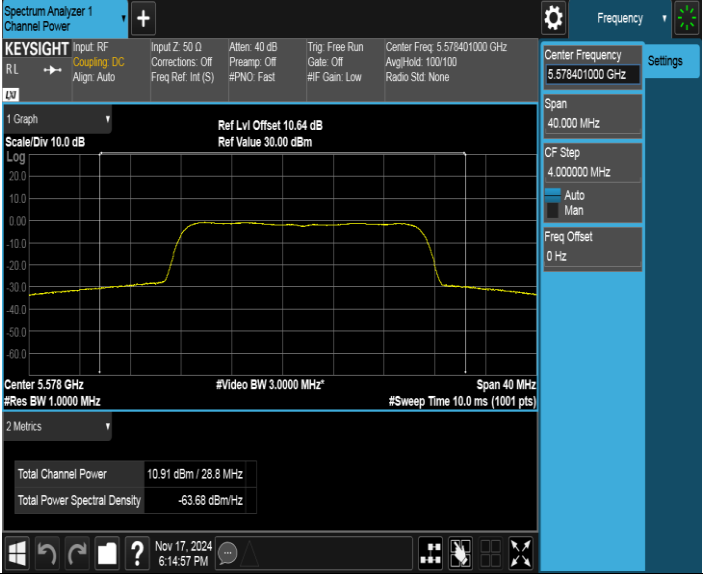
Test Mode	Test Channel	Verdict
11ax HE20	5240	PASS
 The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal at 5.24 GHz with a total channel power of 12.39 dBm / 23.1 MHz. The plot is set to a scale of 10.0 dB and a span of 40 MHz. The center frequency is 5.239776500 GHz. 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 plot shows a signal with a peak at 5.24 GHz and a total channel power of 12.39 dBm / 23.1 MHz. The plot is set to a scale of 10.0 dB and a span of 40 MHz. The center frequency is 5.239776500 GHz. The video bandwidth is 3.0000 MHz and the resolution bandwidth is 1.0000 MHz. The sweep time is 10.0 ms (1001 pts).		

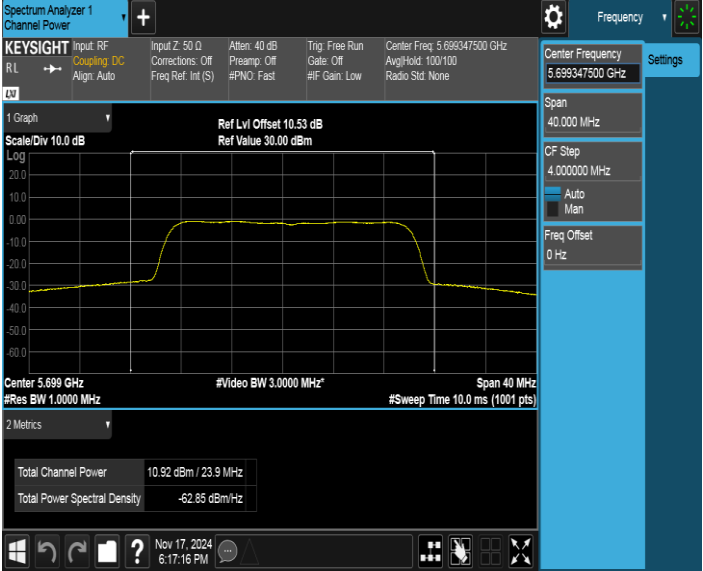
Test Mode	Test Channel	Verdict
11ax HE20	5260	PASS
		

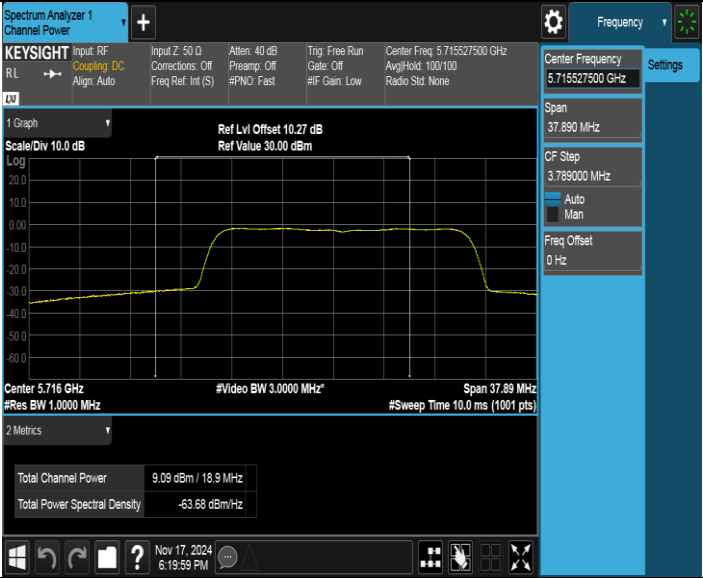
Test Mode	Test Channel	Verdict
11ax HE20	5280	PASS
		

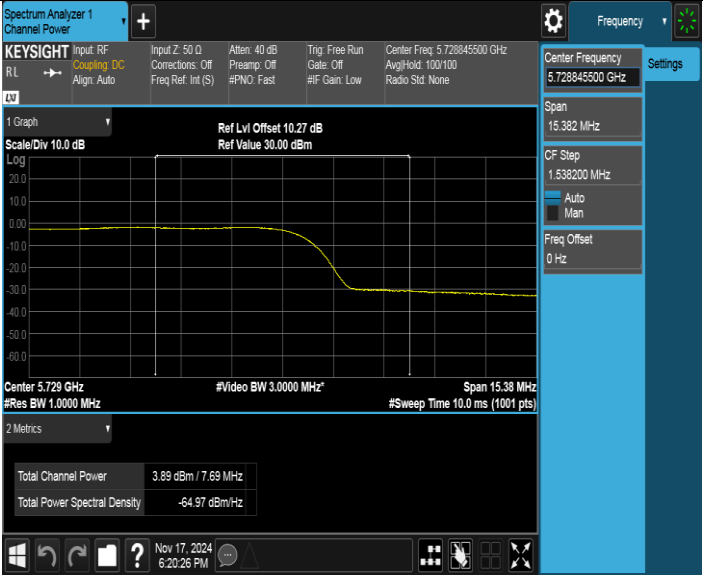
Test Mode	Test Channel	Verdict
11ax HE20	5320	PASS
		

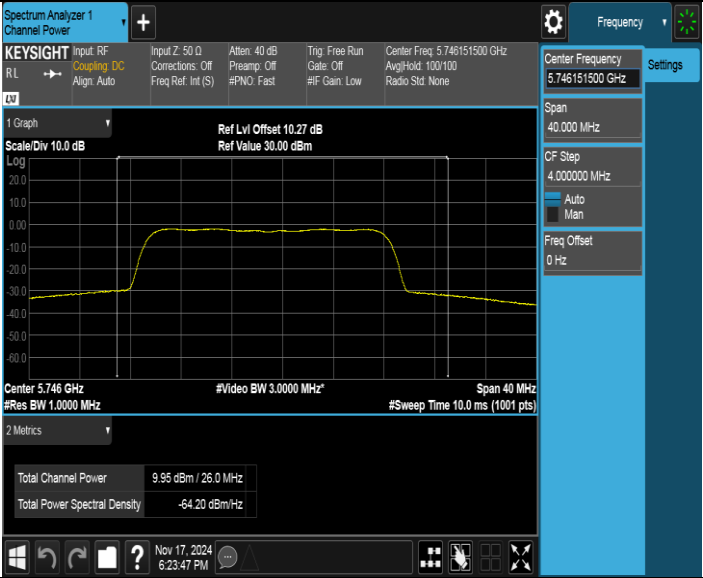
Test Mode	Test Channel	Verdict
11ax HE20	5500	PASS
		

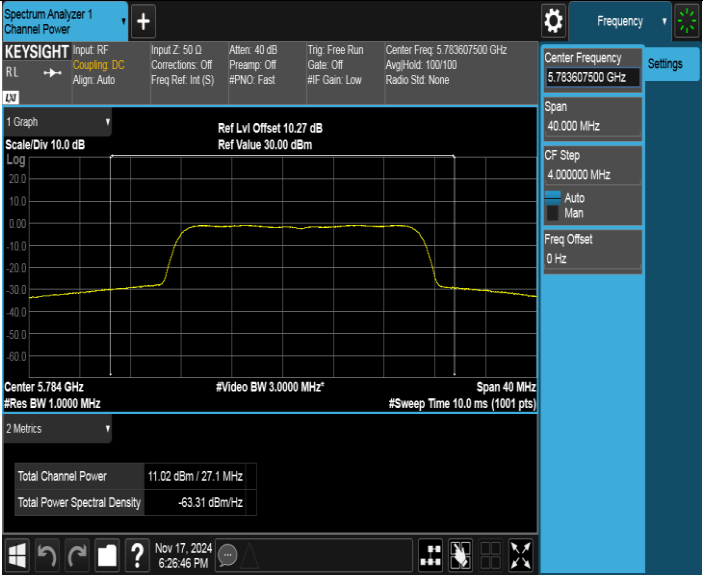
Test Mode	Test Channel	Verdict
11ax HE20	5580	PASS
		

Test Mode	Test Channel	Verdict
11ax HE20	5700	PASS
		

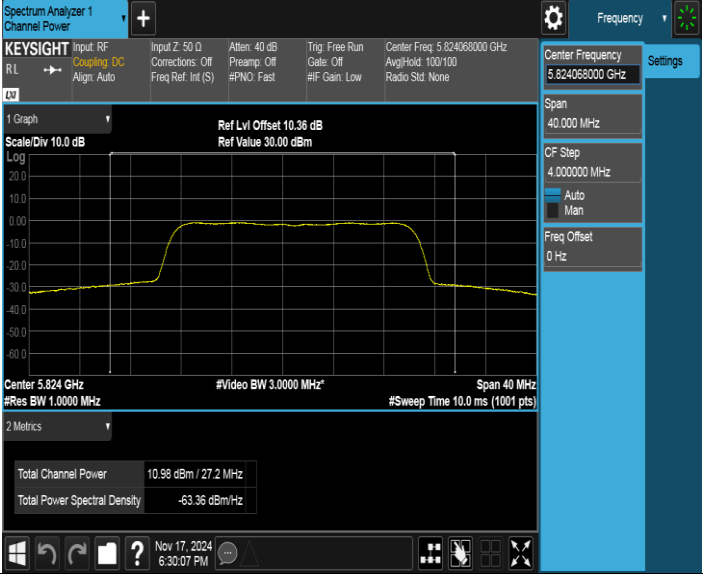
Test Mode	Test Channel	Verdict
11ax HE20	5720_UNII-2C	PASS
 The screenshot shows a Keysight Spectrum Analyzer interface. The main display is a log-scale plot of power versus frequency. The center frequency is 5.716 GHz, and the span is 37.89 MHz. The resolution bandwidth (RBW) is 1.000 MHz, and the video bandwidth (VBW) is 3.000 MHz. The sweep time is 10.0 ms. The plot shows a signal with a peak power of approximately 0 dBm. The total channel power is 9.09 dBm / 18.9 MHz, and the total power spectral density is -63.68 dBm/Hz. The interface includes various settings and controls on the right side, such as Center Frequency, Span, CF Step, and Freq Offset.		

Test Mode	Test Channel	Verdict
11ax HE20	5720_UNII-3	PASS
 The screenshot shows a Keysight Spectrum Analyzer interface. The main display is a log-scale plot of power versus frequency. The center frequency is 5.729 GHz, and the span is 15.38 MHz. The resolution bandwidth (RBW) is 1.000 MHz, and the video bandwidth (VBW) is 3.000 MHz. The sweep time is 10.0 ms. The plot shows a signal with a peak power of approximately 0 dBm. The total channel power is 3.89 dBm / 7.69 MHz, and the total power spectral density is -64.97 dBm/Hz. The interface includes various settings and controls on the right side, such as Center Frequency, Span, CF Step, and Freq Offset.		

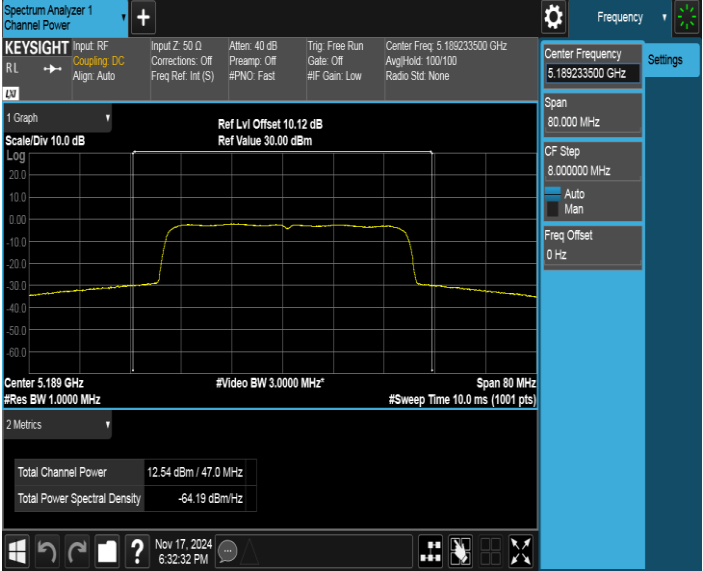
Test Mode	Test Channel	Verdict
11ax HE20	5745	PASS
 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal at 5.746 GHz with a total channel power of 9.95 dBm / 26.0 MHz. The signal is a rectangular pulse. The settings on the right include: Center Frequency 5.746151500 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 6:23:47 PM.		

Test Mode	Test Channel	Verdict
11ax HE20	5785	PASS
 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal at 5.784 GHz with a total channel power of 11.02 dBm / 27.1 MHz. The signal is a rectangular pulse. The settings on the right include: Center Frequency 5.783607500 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 6:26:46 PM.		

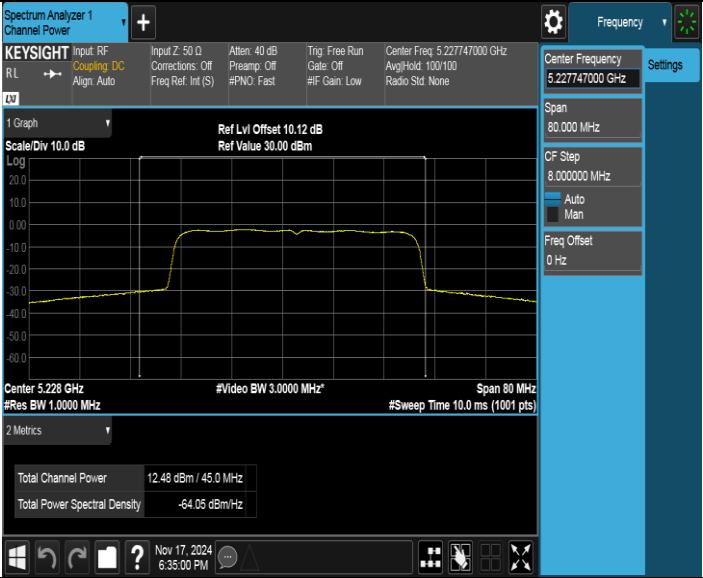
Test Mode	Test Channel	Verdict
11ax HE20	5825	PASS



Test Mode	Test Channel	Verdict
11ax HE40	5190	PASS

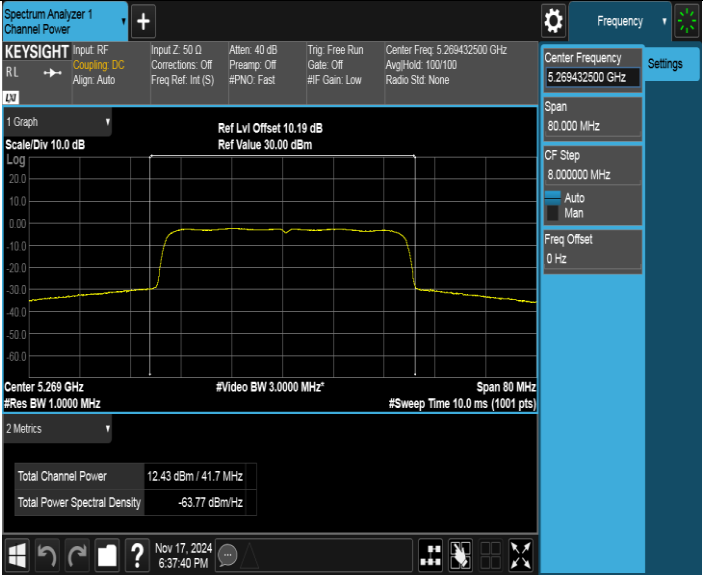


Test Mode	Test Channel	Verdict
11ax HE40	5230	PASS

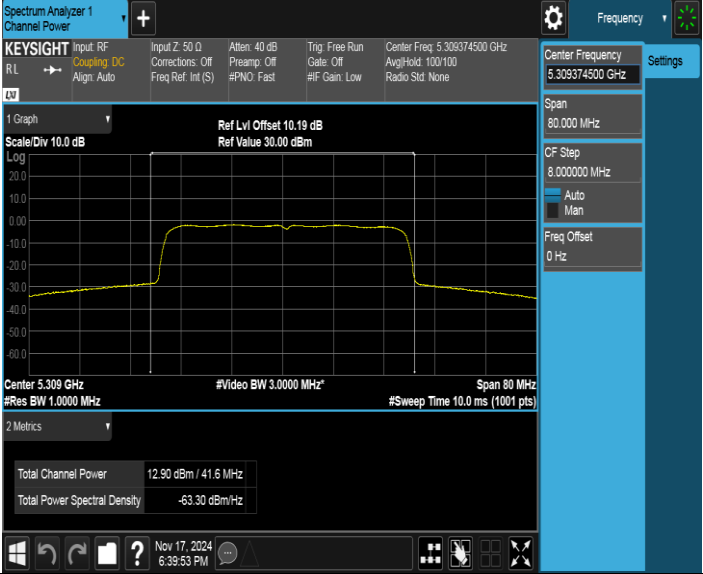


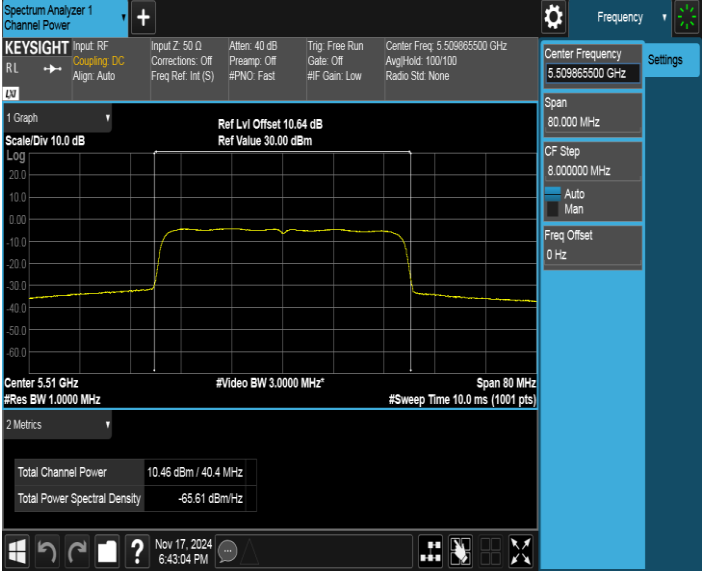
The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.228 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.228 GHz' and ranges from 5.22747000 GHz to 5.22853000 GHz. The signal is a rectangular pulse. The right-hand side shows settings: Center Frequency 5.22747000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The bottom status bar shows 'Total Channel Power 12.48 dBm / 45.0 MHz' and 'Total Power Spectral Density -64.05 dBm/MHz'.

Test Mode	Test Channel	Verdict
11ax HE40	5270	PASS

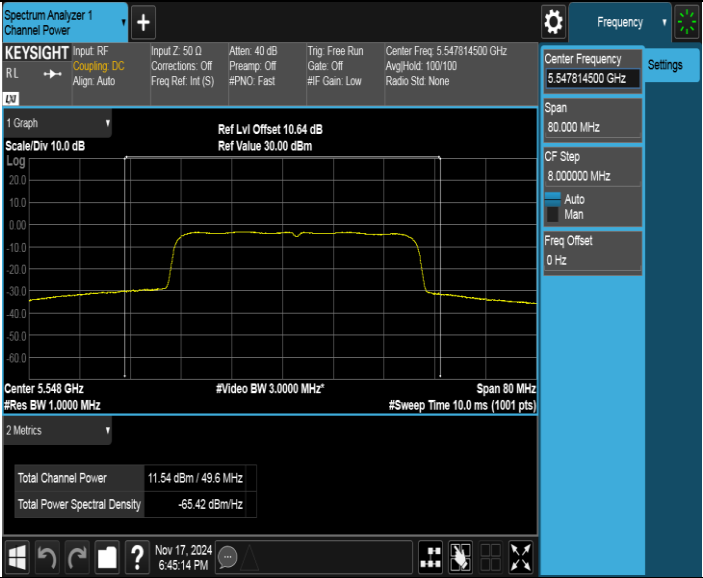


The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.269 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.269 GHz' and ranges from 5.268432500 GHz to 5.269567500 GHz. The signal is a rectangular pulse. The right-hand side shows settings: Center Frequency 5.269432500 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The bottom status bar shows 'Total Channel Power 12.43 dBm / 41.7 MHz' and 'Total Power Spectral Density -63.77 dBm/MHz'.

Test Mode	Test Channel	Verdict
11ax HE40	5310	PASS
		

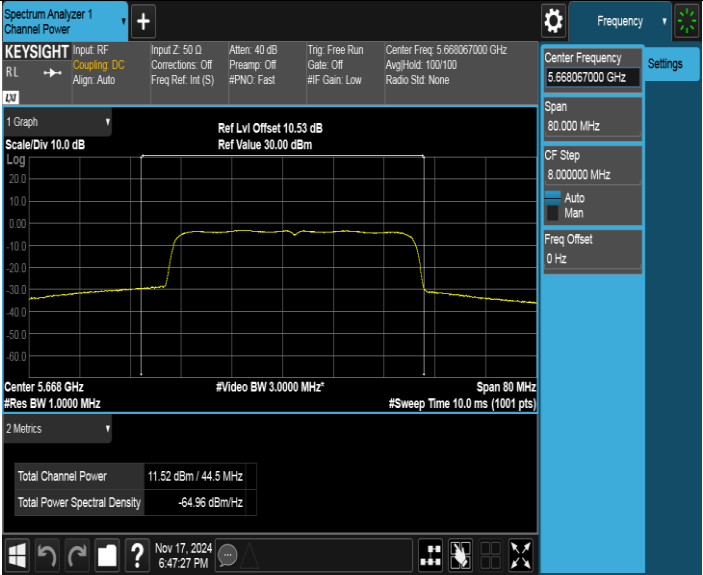
Test Mode	Test Channel	Verdict
11ax HE40	5510	PASS
		

Test Mode	Test Channel	Verdict
11ax HE40	5550	PASS

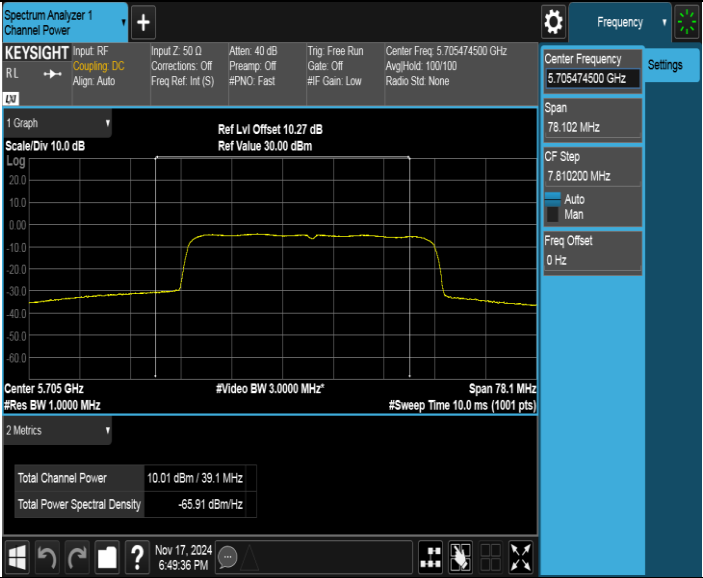


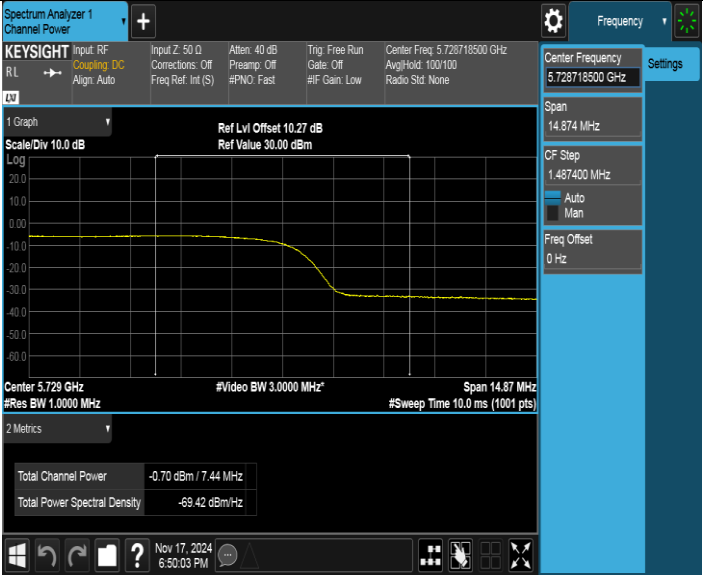
The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.548 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.548 GHz' and ranges from 5.540 GHz to 5.556 GHz. The signal is a rectangular pulse. The right-hand side shows the 'Settings' panel with 'Center Frequency' set to 5.54814500 GHz, 'Span' set to 80.000 MHz, 'CF Step' set to 8.000000 MHz, and 'Freq Offset' set to 0 Hz. The bottom status bar shows 'Total Channel Power' as 11.54 dBm / 49.6 MHz and 'Total Power Spectral Density' as -65.42 dBm/Hz. The date and time are Nov 17, 2024, 6:45:14 PM.

Test Mode	Test Channel	Verdict
11ax HE40	5670	PASS

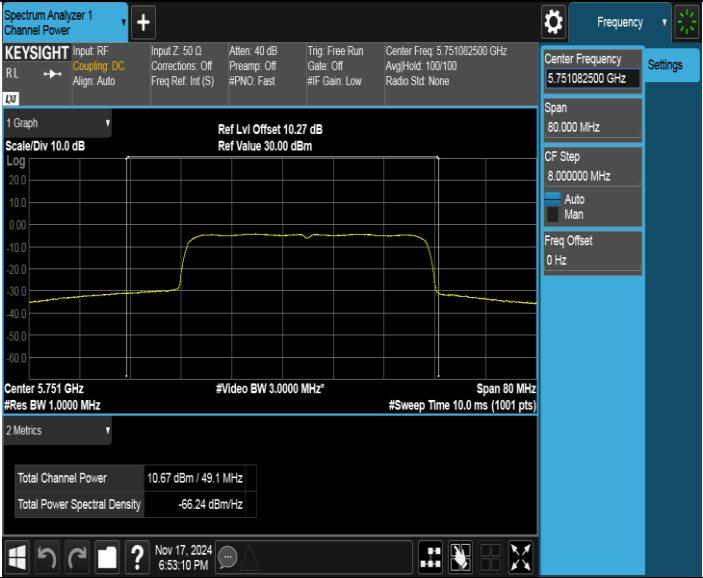


The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.668 GHz. The y-axis is labeled 'Scale/Div 10.0 dB' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 5.668 GHz' and ranges from 5.660 GHz to 5.676 GHz. The signal is a rectangular pulse. The right-hand side shows the 'Settings' panel with 'Center Frequency' set to 5.668067000 GHz, 'Span' set to 80.000 MHz, 'CF Step' set to 8.000000 MHz, and 'Freq Offset' set to 0 Hz. The bottom status bar shows 'Total Channel Power' as 11.62 dBm / 44.5 MHz and 'Total Power Spectral Density' as -64.96 dBm/Hz. The date and time are Nov 17, 2024, 6:47:27 PM.

Test Mode	Test Channel	Verdict
11ax HE40	5710_UNII-2C	PASS
 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 'Log' and ranges from -60.0 to 20.0 dBm. The X-axis is labeled 'Frequency' and ranges from 5.700 GHz to 5.710 GHz. The settings panel on the right shows: Center Frequency: 5.705474500 GHz, Span: 78.102 MHz, CF Step: 7.810200 MHz, Freq Offset: 0 Hz. The bottom status bar shows: Center 5.705 GHz, #Res BW 1.0000 MHz, #Video BW 3.0000 MHz, Span 78.1 MHz, #Sweep Time 10.0 ms (1001 pts). The metrics section shows: Total Channel Power: 10.01 dBm / 39.1 MHz, Total Power Spectral Density: -65.91 dBm/MHz.		

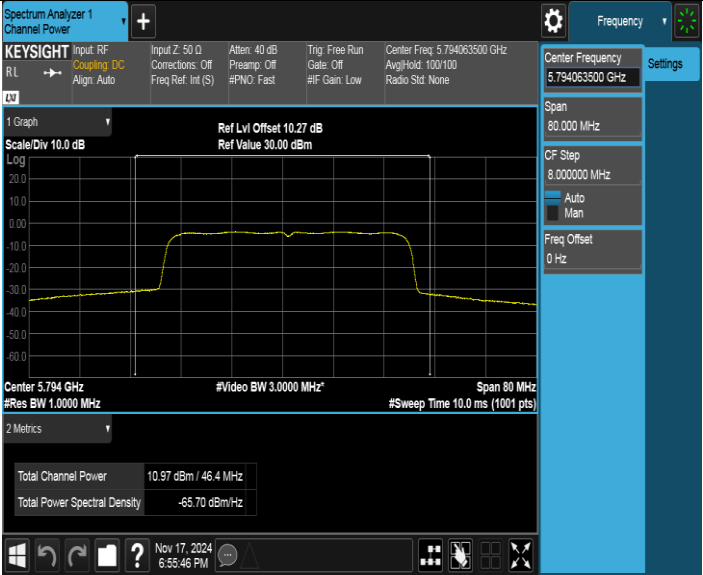
Test Mode	Test Channel	Verdict
11ax HE40	5710_UNII-3	PASS
 The screenshot shows the Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at approximately 5.729 GHz. The Y-axis is labeled 'Log' and ranges from -60.0 to 20.0 dBm. The X-axis is labeled 'Frequency' and ranges from 5.720 GHz to 5.738 GHz. The settings panel on the right shows: Center Frequency: 5.728718500 GHz, Span: 14.874 MHz, CF Step: 1.487400 MHz, Freq Offset: 0 Hz. The bottom status bar shows: Center 5.729 GHz, #Res BW 1.0000 MHz, #Video BW 3.0000 MHz, Span 14.87 MHz, #Sweep Time 10.0 ms (1001 pts). The metrics section shows: Total Channel Power: -0.70 dBm / 7.44 MHz, Total Power Spectral Density: -69.42 dBm/MHz.		

Test Mode	Test Channel	Verdict
11ax HE40	5755	PASS



The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.751 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 5.751 GHz' and ranges from 5.745 GHz to 5.757 GHz. The signal is a rectangular pulse. The 'Total Channel Power' is 10.67 dBm / 49.1 MHz, and the 'Total Power Spectral Density' is -66.24 dBm/Hz. The 'Ref Lvl Offset' is 10.27 dB and the 'Ref Value' is 30.00 dBm. The 'Span' is 80 MHz, 'Res BW' is 1.0000 MHz, and 'Sweep Time' is 10.0 ms (1001 pts). The 'Frequency' settings on the right show 'Center Frequency' at 5.751082500 GHz, 'Span' at 80.000 MHz, 'CF Step' at 8.000000 MHz, and 'Freq Offset' at 0 Hz.

Test Mode	Test Channel	Verdict
11ax HE40	5795	PASS



The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 5.794 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 5.794 GHz' and ranges from 5.788 GHz to 5.800 GHz. The signal is a rectangular pulse. The 'Total Channel Power' is 10.97 dBm / 46.4 MHz, and the 'Total Power Spectral Density' is -65.70 dBm/Hz. The 'Ref Lvl Offset' is 10.27 dB and the 'Ref Value' is 30.00 dBm. The 'Span' is 80 MHz, 'Res BW' is 1.0000 MHz, and 'Sweep Time' is 10.0 ms (1001 pts). The 'Frequency' settings on the right show 'Center Frequency' at 5.794063500 GHz, 'Span' at 80.000 MHz, 'CF Step' at 8.000000 MHz, and 'Freq Offset' at 0 Hz.

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	☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☒ 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

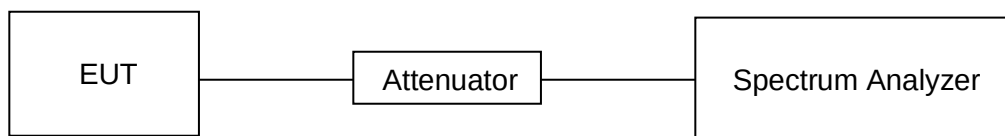
For U-NII-3:

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. $\text{PSD/500 kHz} = 10 \cdot \log \left(10^{\left(\frac{\text{PSD/300 kHz}}{10} \right) / 300 \cdot 500} \right)$
 $= \text{PSD/300 kHz} + 2.2 \text{ dB}$

TEST GRAPHS

