

3.61. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:504204, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2521.02	99	26	1	Peak	47.49	50.26	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.52102 GHz and a span of 100 MHz. The vertical axis is labeled 'Log 10 dB/Offst 14.8 dB'. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 47.4855 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 22.069 kHz and the 'x dB Bandwidth' is 50.259 MHz. The 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom of the interface.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.4855 MHz	99.00 %	-26.00 dB

3.62. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	47.53	50.19	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.59299 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.5333 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes a 'Measure' panel on the right with buttons for 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.5333 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -88.614 kHz
x dB Bandwidth: 50.195 MHz

3.63. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:532998, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2664.99	99	26	1	Peak	47.48	50.17	50	Pass

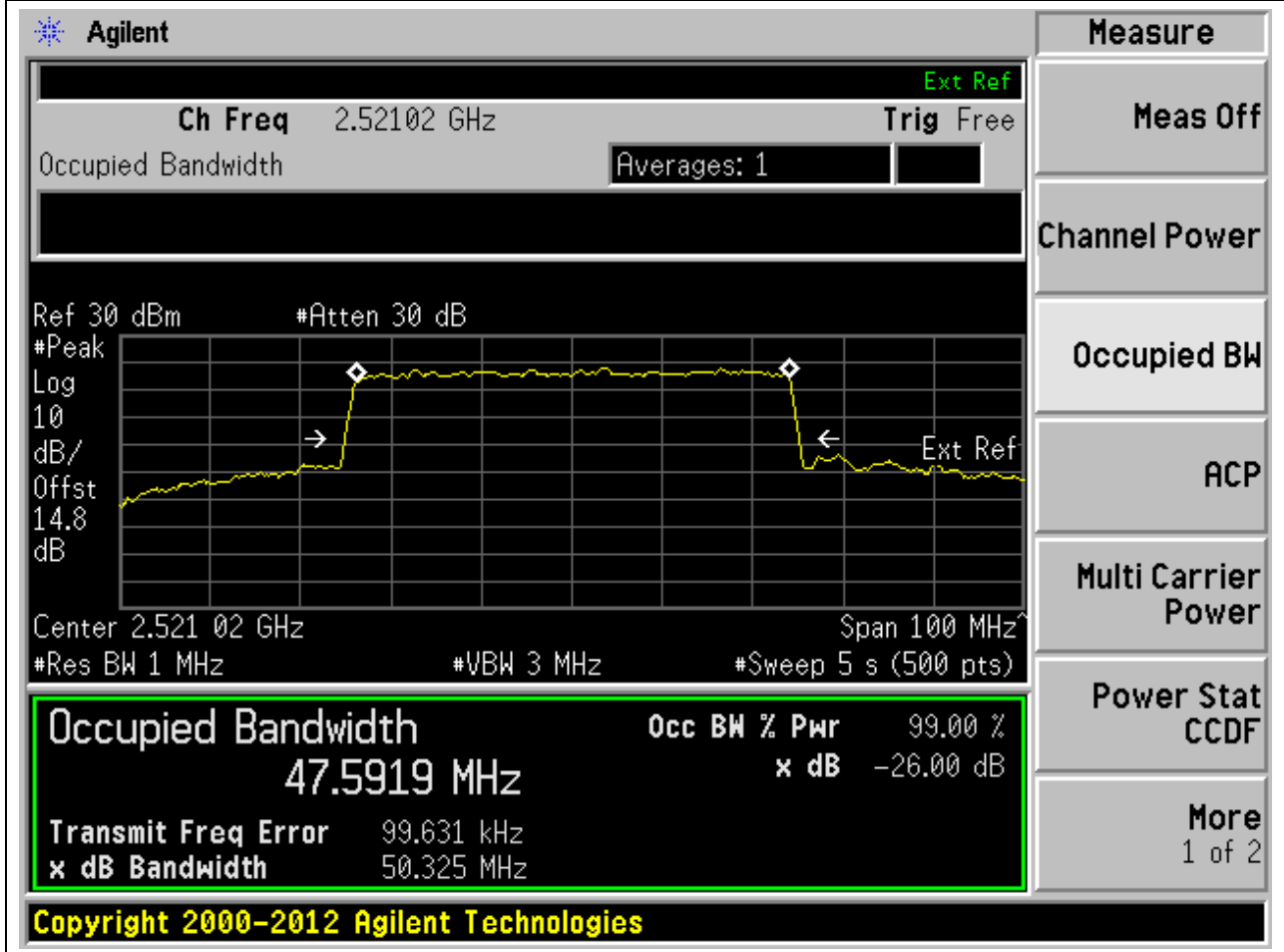
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.66499 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.4824 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The upper limit is 50 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr
47.4824 MHz	99.00 %
Transmit Freq Error	-151.439 kHz
x dB Bandwidth	50.169 MHz

Copyright 2000-2012 Agilent Technologies

3.64. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:504204, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2521.02	99	26	1	Peak	47.59	50.33	50	Pass



3.65. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	47.66	50.26	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.6571 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The upper limit is 50 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr
47.6571 MHz	99.00 %

Transmit Freq Error	x dB Bandwidth
6.983 kHz	50.257 MHz

Copyright 2000-2012 Agilent Technologies

3.66. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:532998, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2664.99	99	26	1	Peak	47.61	50.19	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.66499 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a reference level of 30 dBm and has a 30 dB attenuation. The occupied bandwidth is measured as 47.6119 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB bandwidth is -26.00 dB. The transmit frequency error is -60.810 kHz. The XdB bandwidth is 50.190 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.6119 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -60.810 kHz
 x dB Bandwidth: 50.190 MHz

Copyright 2000-2012 Agilent Technologies

3.67. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:504204, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2521.02	99	26	1	Peak	47.44	50.34	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.52102 GHz, and the span is 100 MHz. The occupied bandwidth is highlighted in a green box, showing 47.4386 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement controls and a 'Measure' menu on the right.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.4386 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.52102 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.8 dB, Center 2.521 02 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (500 pts), Transmit Freq Error 42.809 kHz, x dB Bandwidth 50.339 MHz.

3.68. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	47.5	50.28	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.4982 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The sweep time is 5 s (500 pts). The interface also shows a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More. The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.4982 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -53.502 kHz
x dB Bandwidth: 50.276 MHz

Copyright 2000-2012 Agilent Technologies

3.69. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:532998, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2664.99	99	26	1	Peak	47.43	50.22	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.66499 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.4278 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -133.124 kHz. The XdB bandwidth is 50.219 MHz. The interface includes a 'Measure' panel on the right with buttons for 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

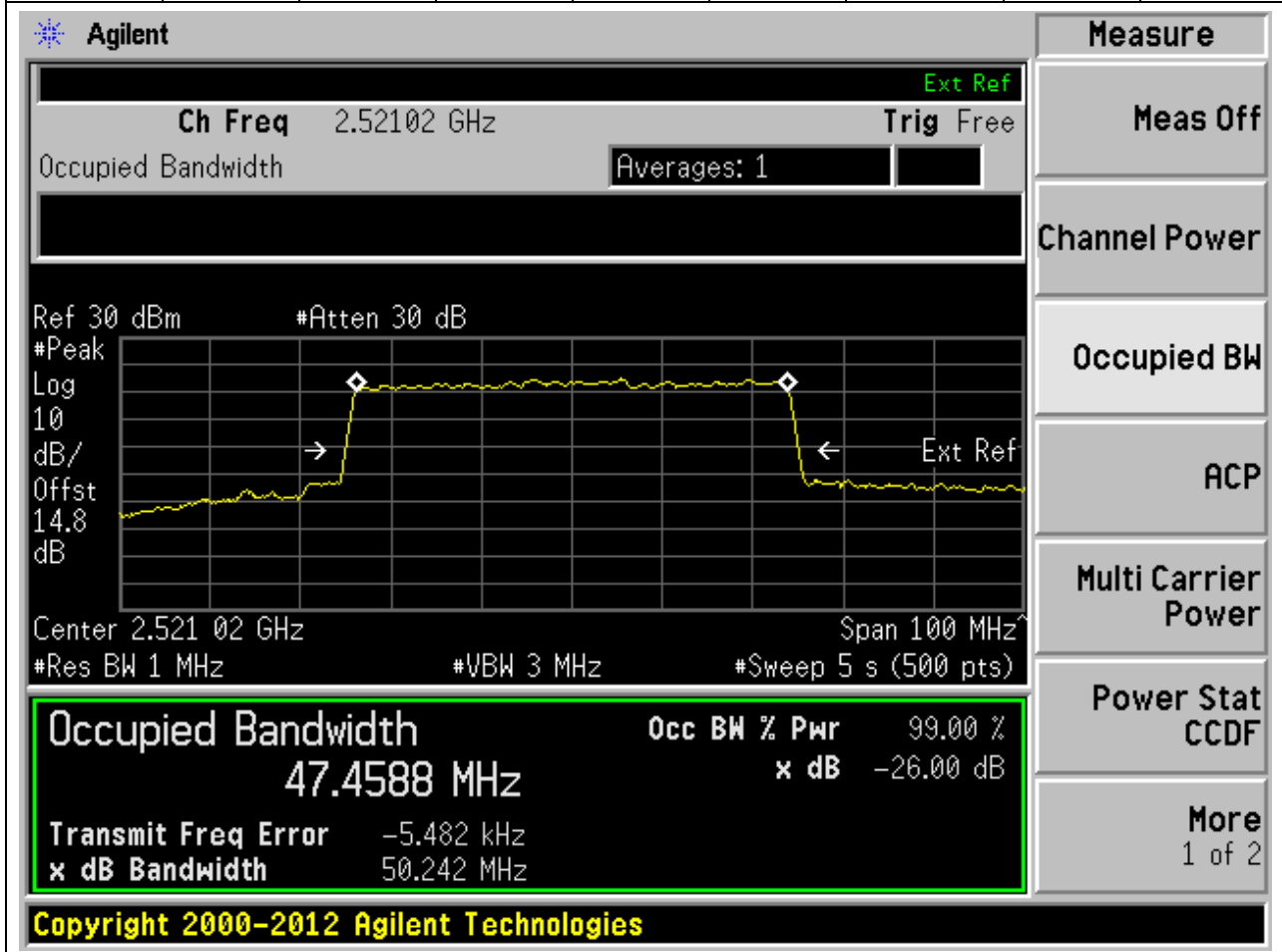
Occupied Bandwidth	Occ BW % Pwr	x dB
47.4278 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -133.124 kHz
 x dB Bandwidth: 50.219 MHz

Copyright 2000-2012 Agilent Technologies

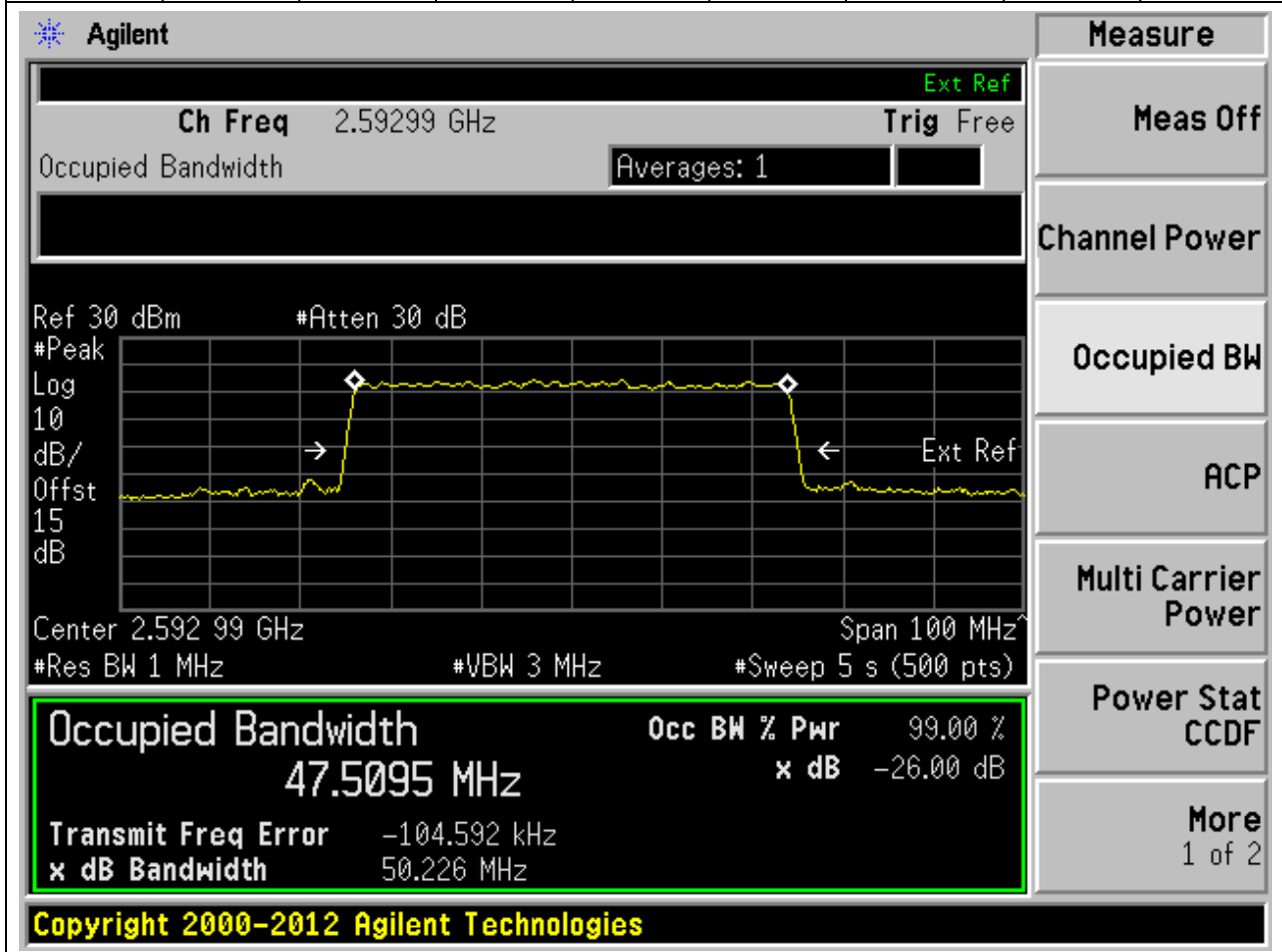
3.70. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:504204, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2521.02	99	26	1	Peak	47.46	50.24	50	Pass



3.71. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	47.51	50.23	50	Pass



3.72. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:532998, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2664.99	99	26	1	Peak	47.44	50.27	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.66499 GHz, and the span is 100 MHz. The occupied bandwidth is highlighted as 47.4372 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -185.558 kHz. The XdB bandwidth is 50.274 MHz. The interface includes a 'Measure' panel on the right with buttons for 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

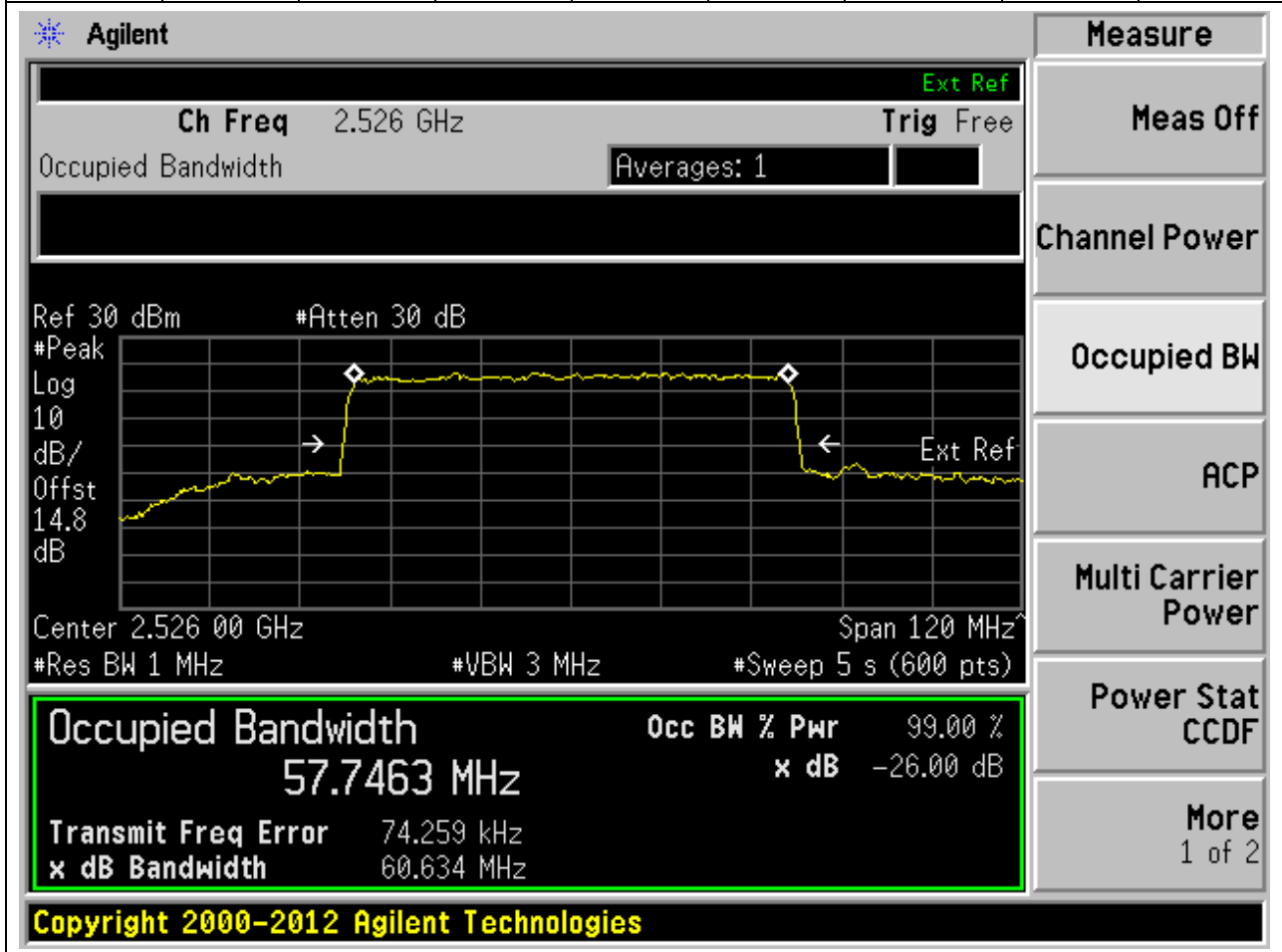
Occupied Bandwidth	Occ BW % Pwr	x dB
47.4372 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -185.558 kHz
 x dB Bandwidth: 50.274 MHz

Copyright 2000-2012 Agilent Technologies

3.73. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2526	99	26	1	Peak	57.75	60.63	60	Pass



3.74. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	57.85	60.66	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	57.8473 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-47.131 kHz
x dB Bandwidth	60.660 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.592 99 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

Copyright 2000-2012 Agilent Technologies

3.75. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2659.98	99	26	1	Peak	57.76	60.61	60	Pass

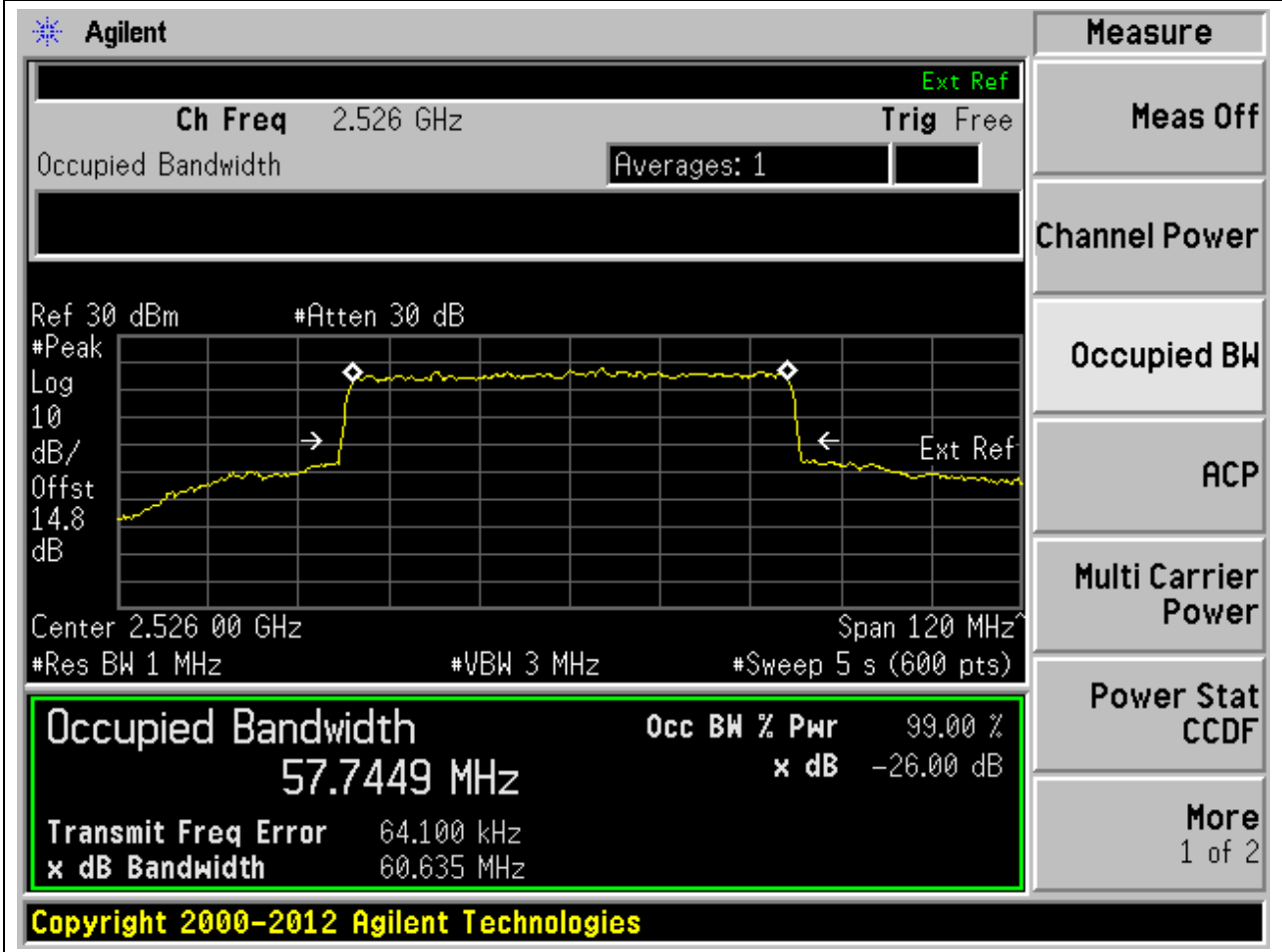
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.65998 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen, showing a value of 57.7638 MHz. The power is 99.00% and the XdB bandwidth is 60.611 MHz. The XdB down is -26.00 dB. The transmit frequency error is -128.280 kHz. The RBW is 3 MHz and the sweep time is 5 s (600 pts). The interface also shows various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

Occupied Bandwidth	Occ BW % Pwr	x dB
57.7638 MHz	99.00 %	-26.00 dB

Copyright 2000-2012 Agilent Technologies

3.76. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2526	99	26	1	Peak	57.74	60.64	60	Pass



3.77. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	57.83	60.72	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	57.8297 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-57.591 kHz
x dB Bandwidth	60.721 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.592 99 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

Copyright 2000-2012 Agilent Technologies

3.78. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2659.98	99	26	1	Peak	57.76	60.71	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	57.7563 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-140.377 kHz
x dB Bandwidth	60.709 MHz

Additional parameters shown in the interface include: Ch Freq 2.65998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.659 98 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

3.79. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2526	99	26	1	Peak	57.76	60.6	60	Pass

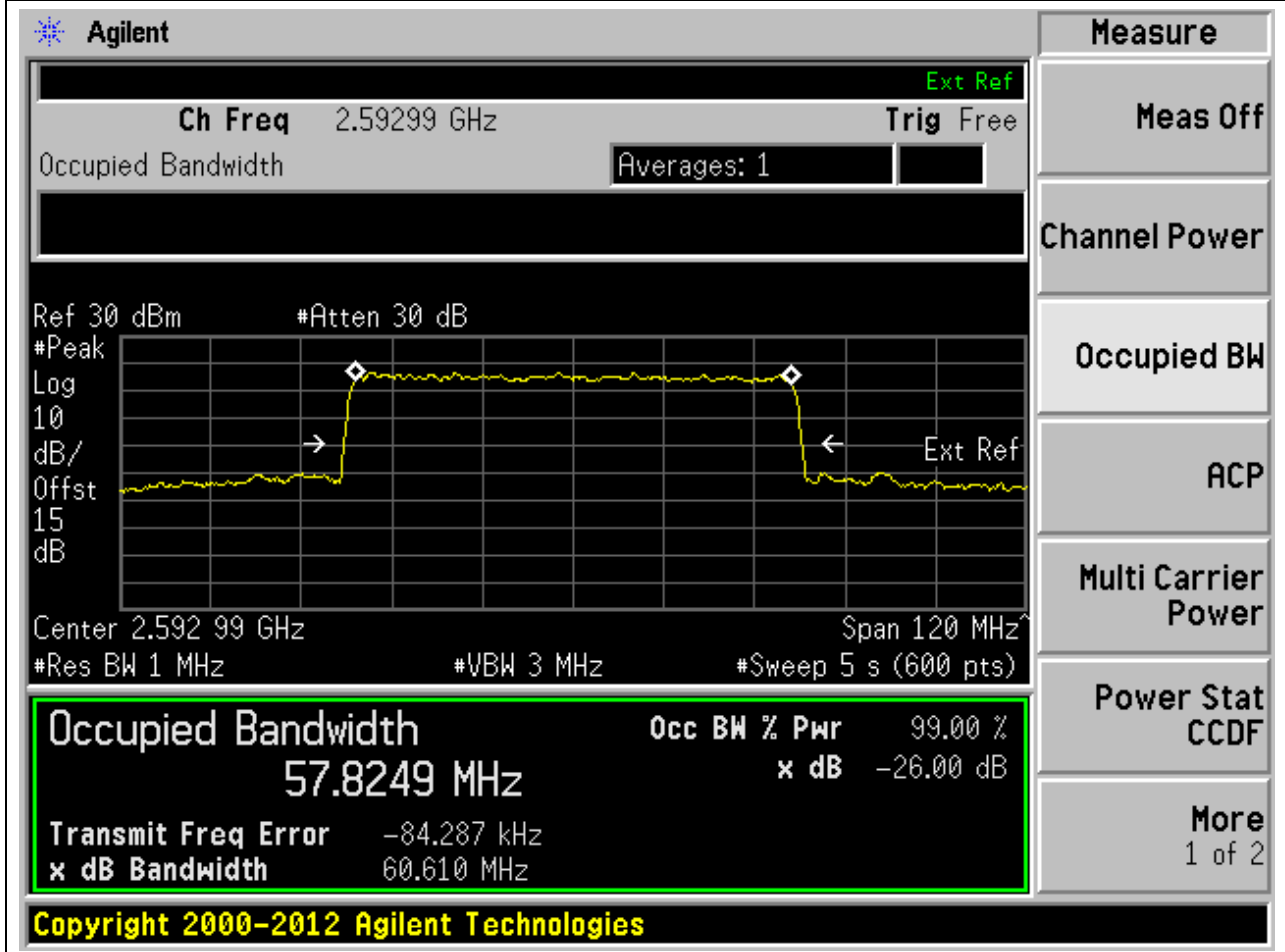
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.526 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a reference level of 30 dBm and an attenuation of 30 dB. The y-axis is labeled 'Log 10 dB/Offst 14.8 dB'. The x-axis shows a center frequency of 2.526 00 GHz and a span of 120 MHz. The resolution bandwidth is 1 MHz, and the video bandwidth is 3 MHz. The sweep time is 5 seconds with 600 points. On the right side, there is a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). At the bottom, a summary box highlights the following measurements:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
57.7623 MHz	x dB	-26.00 dB
Transmit Freq Error		19.734 kHz
x dB Bandwidth		60.604 MHz

Copyright 2000-2012 Agilent Technologies

3.80. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	57.82	60.61	60	Pass



3.81. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2659.98	99	26	1	Peak	57.75	60.56	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.65998 GHz, and the span is 120 MHz. The occupied bandwidth is measured as 57.7470 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -172.585 kHz. The XdB bandwidth is 60.557 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
57.7470 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -172.585 kHz
 x dB Bandwidth: 60.557 MHz

Copyright 2000-2012 Agilent Technologies

3.82. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2526	99	26	1	Peak	57.73	60.63	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	57.7329 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	20.838 kHz
x dB Bandwidth	60.635 MHz

Additional parameters shown in the interface include: Ch Freq 2.526 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 14.8 dB, Center 2.526 00 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

Copyright 2000-2012 Agilent Technologies

3.83. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	57.81	60.63	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the center frequency is 2.59299 GHz. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst' and ranges from 10 to 15 dB. The x-axis is labeled 'Center' and ranges from 2.59299 GHz to 2.59419 GHz. The plot shows a signal with a bandwidth of 57.8118 MHz. The 'Occupied Bandwidth' is highlighted in a green box. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -93.571 kHz and the 'x dB Bandwidth' is 60.634 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More 1 of 2

3.84. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2659.98	99	26	1	Peak	57.75	60.58	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

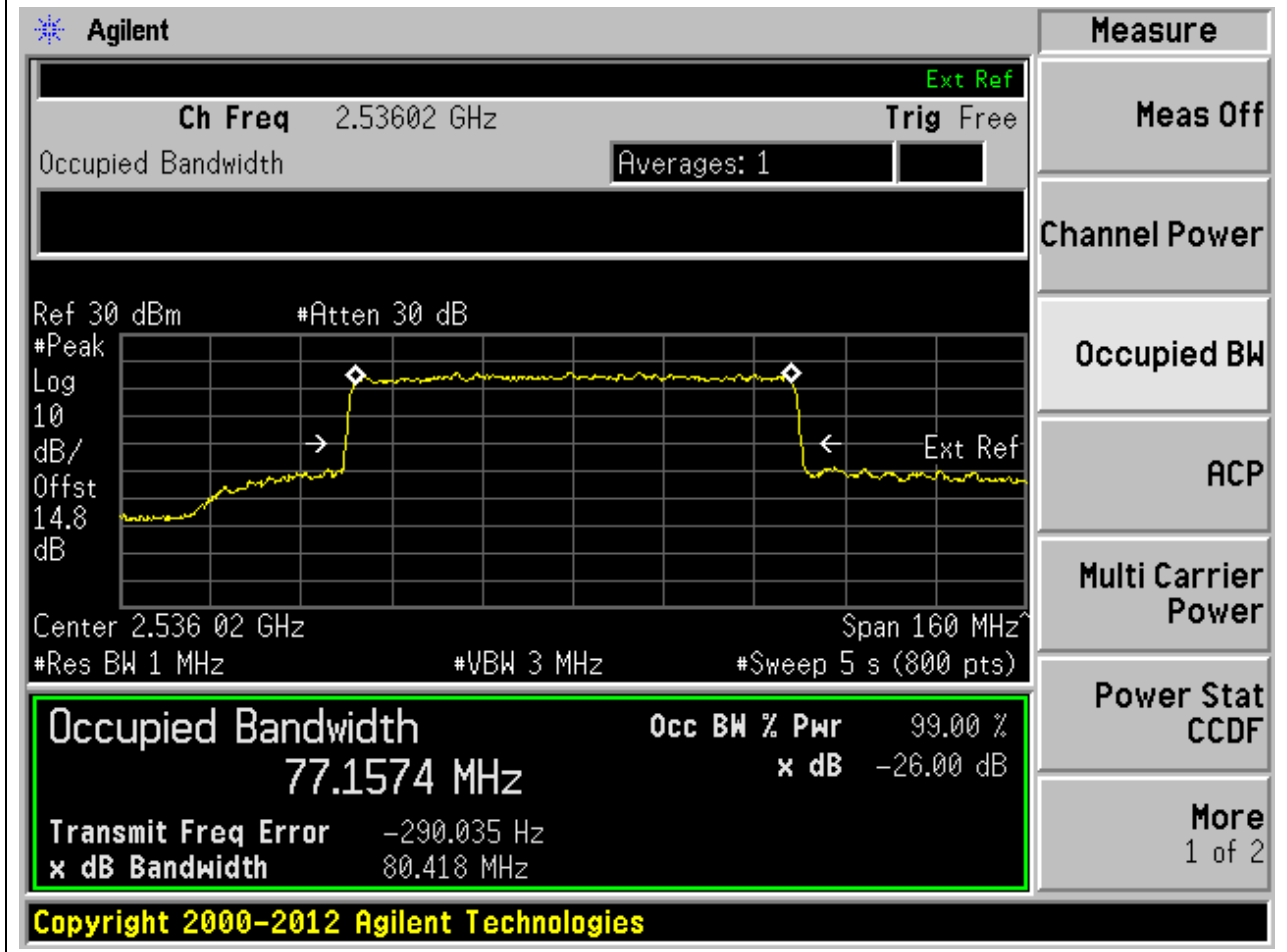
Measurement	Value
Occupied Bandwidth	57.7507 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-170.858 kHz
x dB Bandwidth	60.583 MHz

Additional parameters shown in the interface include: Ch Freq 2.65998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.659 98 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

Copyright 2000-2012 Agilent Technologies

3.85. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:507204, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2536.02	99	26	1	Peak	77.16	80.42	80	Pass



3.86. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	77.29	80.52	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	77.2933 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-146.232 kHz
x dB Bandwidth	80.517 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.592 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

Copyright 2000-2012 Agilent Technologies

3.87. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:529998, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2649.99	99	26	1	Peak	77.14	80.37	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.64999 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.1394 MHz. The power is 99.00% and the XdB bandwidth is 80.373 MHz. The XdB down is -26.00 dB. The transmit frequency error is -248.795 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.1394 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -248.795 kHz
x dB Bandwidth: 80.373 MHz

Copyright 2000-2012 Agilent Technologies

3.88. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:507204, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2536.02	99	26	1	Peak	77.13	80.4	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.53602 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.1271 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The upper limit is 80 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr
77.1271 MHz	99.00 %
Transmit Freq Error	x dB
45.789 kHz	-26.00 dB
x dB Bandwidth	
80.398 MHz	

Copyright 2000-2012 Agilent Technologies

3.89. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	77.28	80.47	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.2773 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -93.144 kHz, and the XdB bandwidth is 80.465 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

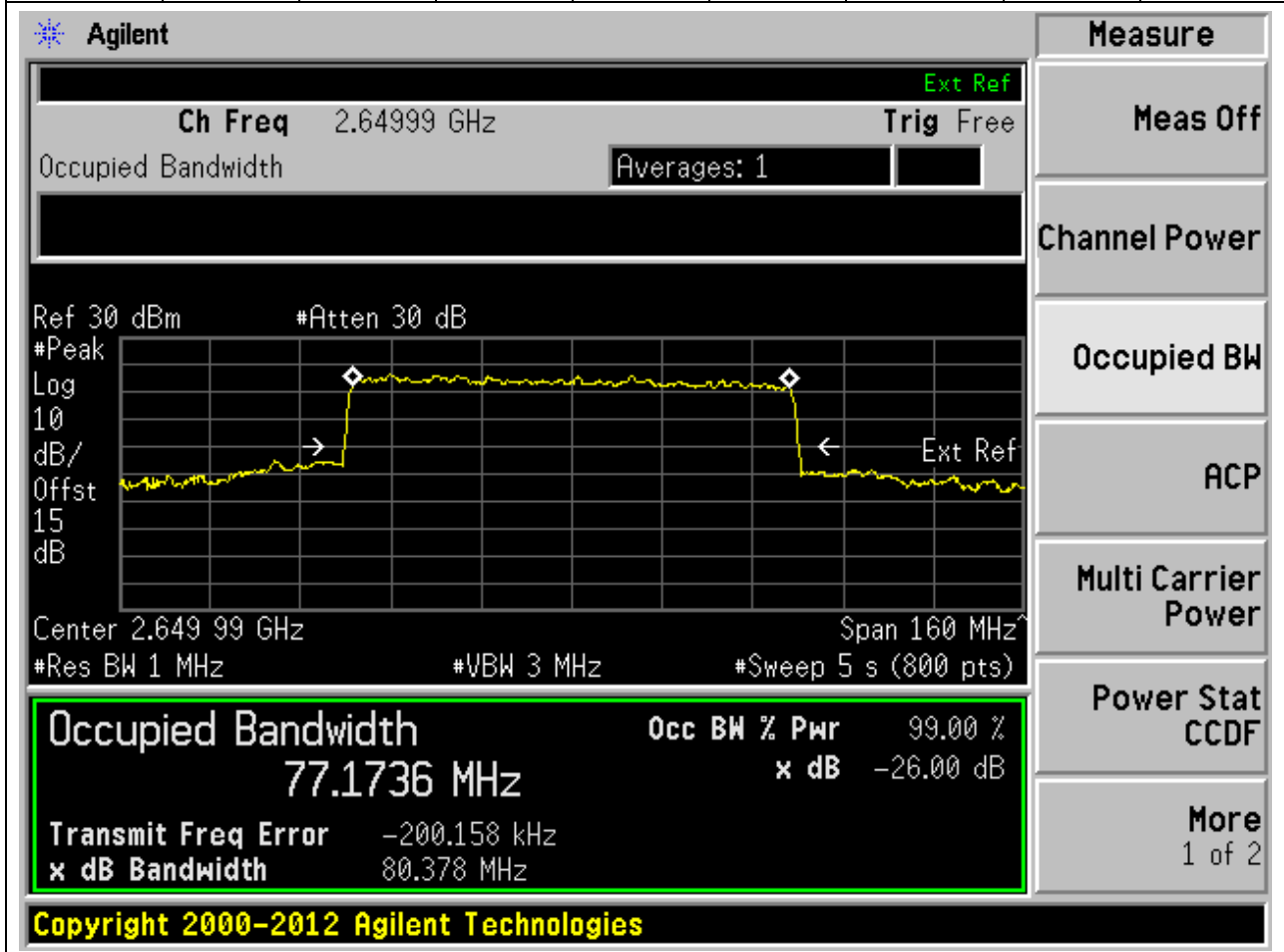
Occupied Bandwidth	Occ BW % Pwr	x dB
77.2773 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -93.144 kHz
 x dB Bandwidth: 80.465 MHz

Copyright 2000-2012 Agilent Technologies

3.90. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:529998, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2649.99	99	26	1	Peak	77.17	80.38	80	Pass



3.91. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:507204, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2536.02	99	26	1	Peak	77.13	80.4	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.53602 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.1261 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.1261 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 76.209 kHz
 x dB Bandwidth: 80.397 MHz

3.92. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	77.3	80.49	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.2973 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.2973 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -61.937 kHz
x dB Bandwidth: 80.489 MHz

3.93. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:529998, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2649.99	99	26	1	Peak	77.21	80.42	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The measurement results are summarized in a table at the bottom of the screen:

Measurement	Value
Occupied Bandwidth	77.2074 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-155.823 kHz
x dB Bandwidth	80.415 MHz

Additional parameters shown in the interface include: Ch Freq 2.64999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.649 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

3.94. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:507204, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2536.02	99	26	1	Peak	77.42	80.44	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.53602 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4154 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 80.439 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 28.598 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.4154 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 28.598 kHz
x dB Bandwidth: 80.439 MHz

Copyright 2000-2012 Agilent Technologies

3.95. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	77.56	80.54	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The measurement results are summarized in a table at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	x dB
77.5619 MHz	99.00 %	-26.00 dB
Transmit Freq Error	-107.309 kHz	
x dB Bandwidth	80.544 MHz	

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.592 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

Copyright 2000-2012 Agilent Technologies

3.96. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:529998, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2649.99	99	26	1	Peak	77.45	80.46	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow box highlighting the Occupied Bandwidth measurement. The results are as follows:

Occupied Bandwidth	Occ BW % Pwr	x dB
77.4508 MHz	99.00 %	-26.00 dB

Additional parameters shown in the interface include:

- Center: 2.649 99 GHz
- Span: 160 MHz
- #Res BW: 1 MHz
- #VBW: 3 MHz
- #Sweep: 5 s (800 pts)
- Ref: 30 dBm
- #Atten: 30 dB
- Ch Freq: 2.64999 GHz
- Trig: Free
- Averages: 1

The interface also includes a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

3.97. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:508200, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2541	99	26	1	Peak	87.29	90.5	90	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 2.541 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 14.8
 dB

Center 2.541 00 GHz
Span 180 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (900 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.2944 MHz	x dB -26.00 dB
Transmit Freq Error	-36.052 kHz
x dB Bandwidth	90.499 MHz

Copyright 2000-2012 Agilent Technologies

3.98. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	87.39	90.58	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	87.3883 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-158.774 kHz
x dB Bandwidth	90.577 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.592 99 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts).

Copyright 2000-2012 Agilent Technologies

3.99. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528996, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2644.98	99	26	1	Peak	87.26	90.53	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.64498 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.2644 MHz, which is 99.00% of the 90 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -254.963 kHz, and the XdB bandwidth is 90.528 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.2644 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -254.963 kHz
 x dB Bandwidth: 90.528 MHz

Copyright 2000-2012 Agilent Technologies

3.100. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:508200, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2541	99	26	1	Peak	87.37	90.47	90	Pass

Agilent

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More
1 of 2

Ch Freq 2.541 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.541 00 GHz Span 180 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (900 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.3681 MHz	x dB -26.00 dB
Transmit Freq Error 136.183 kHz	
x dB Bandwidth 90.472 MHz	

Copyright 2000-2012 Agilent Technologies

3.101. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	87.53	90.51	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.5325 MHz, which is 99.00% of the 90 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 2.120 kHz, and the x dB bandwidth is 90.506 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.5325 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 2.120 kHz
x dB Bandwidth: 90.506 MHz

Copyright 2000-2012 Agilent Technologies

3.102. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528996, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2644.98	99	26	1	Peak	87.46	90.45	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.64498 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a reference level of 30 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted with a green box, showing a value of 87.4596 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. Other parameters shown include a transmit frequency error of -83.870 kHz and an XdB bandwidth of 90.447 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.4596 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -83.870 kHz
 x dB Bandwidth: 90.447 MHz

Copyright 2000-2012 Agilent Technologies

3.103. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:508200, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2541	99	26	1	Peak	87.16	90.57	90	Pass

Agilent
Measure

Ch Freq 2.541 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.541 00 GHz Span 180 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (900 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

87.1645 MHz

Transmit Freq Error 55.964 kHz

x dB Bandwidth 90.571 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

3.104. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	87.29	90.57	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.2949 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes a 'Measure' panel on the right with buttons for 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.2949 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -92.865 kHz
x dB Bandwidth: 90.569 MHz

3.105. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528996, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2644.98	99	26	1	Peak	87.18	90.47	90	Pass

Agilent
Measure

Ch Freq 2.64498 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

87.1772 MHz

Transmit Freq Error -195.255 kHz

x dB Bandwidth 90.466 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

3.106. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:508200, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2541	99	26	1	Peak	87.21	90.54	90	Pass

Agilent

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More
1 of 2

Ch Freq 2.541 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 14.8 dB

Center 2.541 00 GHz Span 180 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (900 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.2063 MHz	x dB -26.00 dB
Transmit Freq Error	-37.541 kHz
x dB Bandwidth	90.537 MHz

Copyright 2000-2012 Agilent Technologies

3.107. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	87.36	90.54	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	87.3584 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-184.204 kHz
x dB Bandwidth	90.543 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.592 99 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

3.108. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528996, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2644.98	99	26	1	Peak	87.25	90.5	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	87.2485 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-279.526 kHz
x dB Bandwidth	90.496 MHz

Additional parameters shown in the interface include: Ch Freq 2.64498 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 15 dB, Center 2.644 98 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

3.109. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2546.01	99	26	1	Peak	97.26	100.7	100	Pass

Agilent
Measure

Ch Freq 2.54601 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.546 01 GHz Span 200 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (1000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

97.2628 MHz

Transmit Freq Error -6.225 kHz

x dB Bandwidth 100.705 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

3.110. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	97.38	100.76	100	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
→
←

10

dB/

Offst

15

dB

Center 2.592 99 GHz
Span 200 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (1000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
97.3788 MHz	x dB -26.00 dB
Transmit Freq Error -138.087 kHz	
x dB Bandwidth 100.764 MHz	

Copyright 2000-2012 Agilent Technologies

3.111. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2640	99	26	1	Peak	97.22	100.61	100	Pass

Agilent

Measure

Ch Freq 2.64 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

15.1
dB

Center 2.640 00 GHz
Span 200 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (1000 pts)

Occupied Bandwidth

97.2204 MHz

Transmit Freq Error -239.686 kHz

x dB Bandwidth 100.612 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

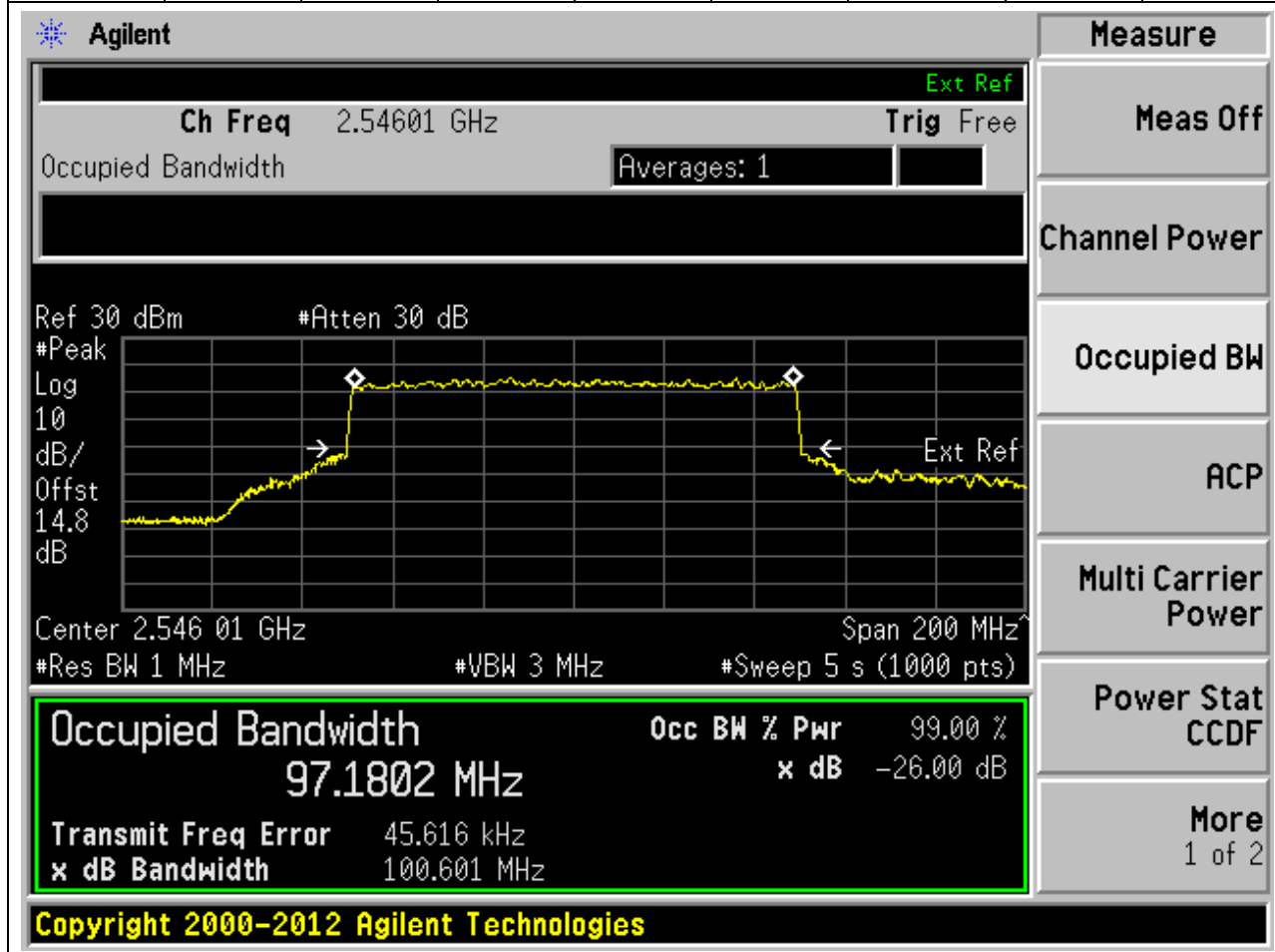
Power Stat CCDF

More
1 of 2

Copyright 2000-2012 Agilent Technologies

3.112. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2546.01	99	26	1	Peak	97.18	100.6	100	Pass



3.113. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	97.32	100.68	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 200 MHz. The occupied bandwidth is highlighted in green, showing a value of 97.3182 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement controls and a list of available measurement functions on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
97.3182 MHz		x dB	-26.00 dB
Transmit Freq Error		-103.030 kHz	
x dB Bandwidth		100.680 MHz	

Copyright 2000-2012 Agilent Technologies

3.114. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2640	99	26	1	Peak	97.16	100.6	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.64 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.1590 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -208.136 kHz, and the x dB bandwidth is 100.598 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.1590 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -208.136 kHz
x dB Bandwidth: 100.598 MHz

Copyright 2000-2012 Agilent Technologies

3.115. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2546.01	99	26	1	Peak	97.51	100.63	100	Pass

Agilent

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More
1 of 2

Ch Freq 2.54601 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.546 01 GHz Span 200 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (1000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
97.5142 MHz	x dB -26.00 dB
Transmit Freq Error 41.605 kHz	
x dB Bandwidth 100.631 MHz	

Copyright 2000-2012 Agilent Technologies

3.116. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	97.65	100.65	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.59299 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.6516 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -86.767 kHz, and the XdB bandwidth is 100.654 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.6516 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -86.767 kHz
 x dB Bandwidth: 100.654 MHz

Copyright 2000-2012 Agilent Technologies

3.117. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2640	99	26	1	Peak	97.54	100.59	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.64 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.5407 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -163.670 kHz, and the x dB bandwidth is 100.592 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Measurement	Value
Occupied Bandwidth	97.5407 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-163.670 kHz
x dB Bandwidth	100.592 MHz

Copyright 2000-2012 Agilent Technologies

3.118. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2546.01	99	26	1	Peak	97.27	100.71	100	Pass

Agilent

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More
1 of 2

Ch Freq 2.54601 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 14.8 dB

Center 2.546 01 GHz Span 200 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (1000 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

97.2702 MHz x dB -26.00 dB

Transmit Freq Error 58.015 kHz

x dB Bandwidth 100.708 MHz

Copyright 2000-2012 Agilent Technologies

3.119. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:518598, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	97.41	100.71	100	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 99 GHz Span 200 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (1000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
97.4144 MHz	x dB -26.00 dB
Transmit Freq Error	-93.614 kHz
x dB Bandwidth	100.711 MHz

Copyright 2000-2012 Agilent Technologies

3.120. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2640	99	26	1	Peak	97.29	100.58	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.64 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.2877 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -188.386 kHz, and the x dB bandwidth is 100.576 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.2877 MHz	99.00 %	-26.00 dB

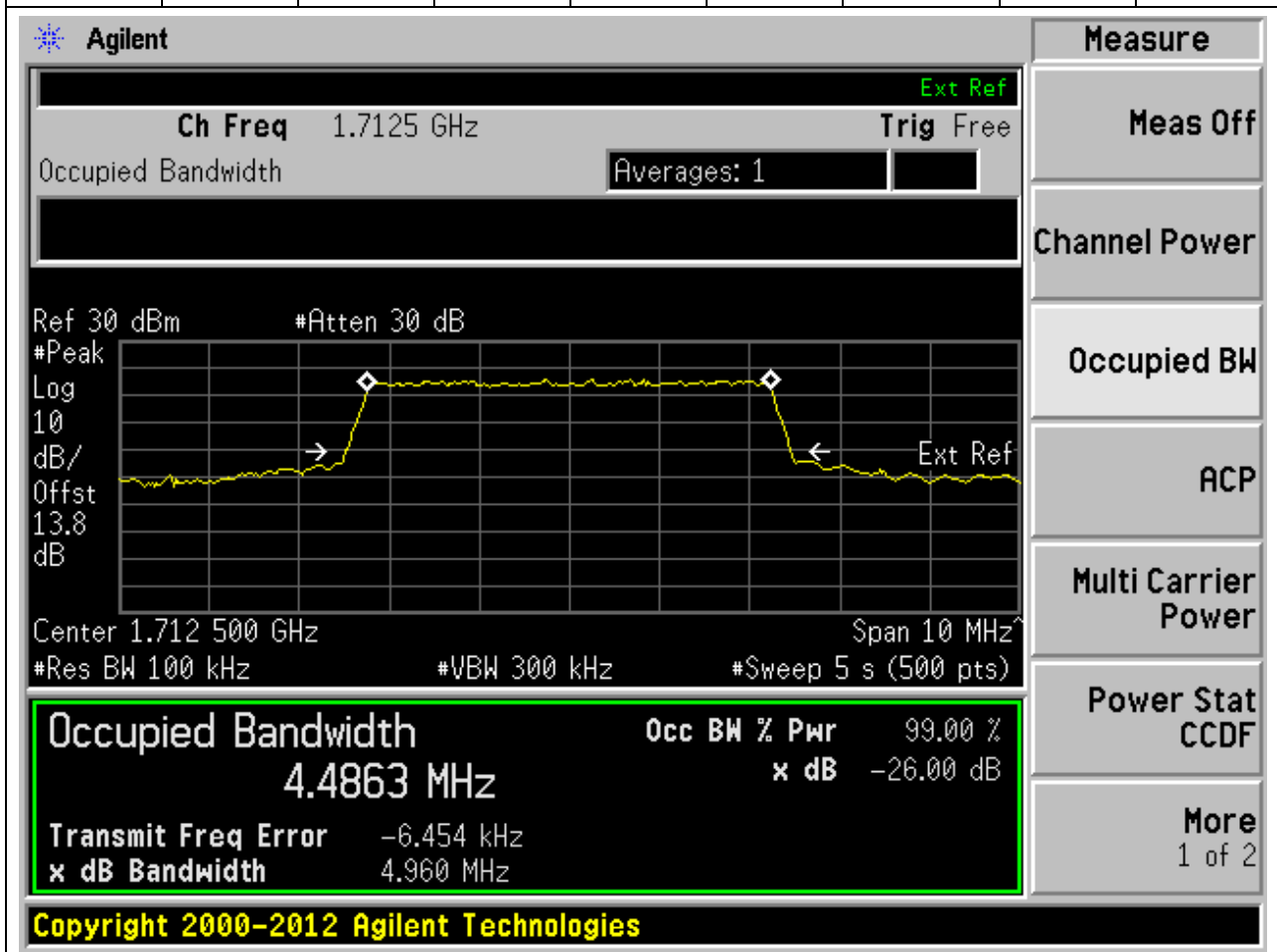
Transmit Freq Error: -188.386 kHz
x dB Bandwidth: 100.576 MHz

Copyright 2000-2012 Agilent Technologies

4. n66 15kHz

4.1. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:342500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	4.96	5	Pass



4.2. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.48	4.95	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.745 GHz. The main display shows a spectrum plot with a yellow trace. Two white diamonds mark the upper and lower bounds of the signal, with arrows pointing to them. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', and 'Ext Ref'. Below the plot, the following parameters are listed: Center 1.745 000 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, and #Sweep 5 s (500 pts).

A summary box at the bottom of the plot area contains the following data:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4844 MHz	x dB	-26.00 dB
Transmit Freq Error		-9.006 kHz
x dB Bandwidth		4.946 MHz

On the right side of the interface, there is a 'Measure' menu with the following options: Meas Off, Channel Power, Occupied BW (highlighted), ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.3. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.49	4.95	5	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 1.7775 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13.9 dB

Center 1.777 500 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4851 MHz	x dB -26.00 dB
Transmit Freq Error -10.505 kHz	
x dB Bandwidth 4.952 MHz	

Copyright 2000-2012 Agilent Technologies

4.4. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:342500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	4.88	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.7125 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a logarithmic scale (Log 10 dB/Offst 13.8 dB) and includes a reference level (Ref 30 dBm) and an attenuation of 30 dB. The occupied bandwidth is highlighted with a green box, showing a value of 4.4858 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. Other parameters shown include a transmit frequency error of -10.584 kHz and a bandwidth of 4.877 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4858 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -10.584 kHz
x dB Bandwidth: 4.877 MHz

Copyright 2000-2012 Agilent Technologies

4.5. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.49	4.89	5	Pass

Agilent

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More
1 of 2

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4857 MHz	x dB -26.00 dB
Transmit Freq Error -11.528 kHz	
x dB Bandwidth 4.893 MHz	

Copyright 2000-2012 Agilent Technologies

4.6. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.49	4.89	5	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 1.7775 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.777 500 GHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4888 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.323 kHz	
x dB Bandwidth	4.888 MHz	

Copyright 2000-2012 Agilent Technologies

4.7. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:342500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	4.9	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	4.4863 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.260 kHz
x dB Bandwidth	4.902 MHz

Additional parameters shown in the interface include: Ch Freq 1.7125 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.8 dB, Center 1.712 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.8. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.48	4.91	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4847 MHz. The power is 99.00% and the XdB bandwidth is 4.907 MHz. The XdB down is -26.00 dB. The transmit frequency error is -7.828 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4847 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -7.828 kHz
x dB Bandwidth: 4.907 MHz

Copyright 2000-2012 Agilent Technologies

4.9. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.48	4.9	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The center frequency is 1.7775 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4828 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -8.067 kHz, and the XdB bandwidth is 4.903 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4828 MHz	x dB	-26.00 dB
Transmit Freq Error		-8.067 kHz
x dB Bandwidth		4.903 MHz

4.10. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:342500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.5	4.93	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	4.4989 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.113 kHz
x dB Bandwidth	4.927 MHz

Other visible parameters include: Ch Freq 1.7125 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.8 dB, Center 1.712 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.11. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.5	4.92	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	4.4968 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.198 kHz
x dB Bandwidth	4.915 MHz

Additional parameters shown in the interface include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.9 dB, Center 1.745 000 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

Copyright 2000-2012 Agilent Technologies

4.12. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.5	4.91	5	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 1.7775 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 13.9
 dB

Center 1.777 500 GHz
Span 10 MHz

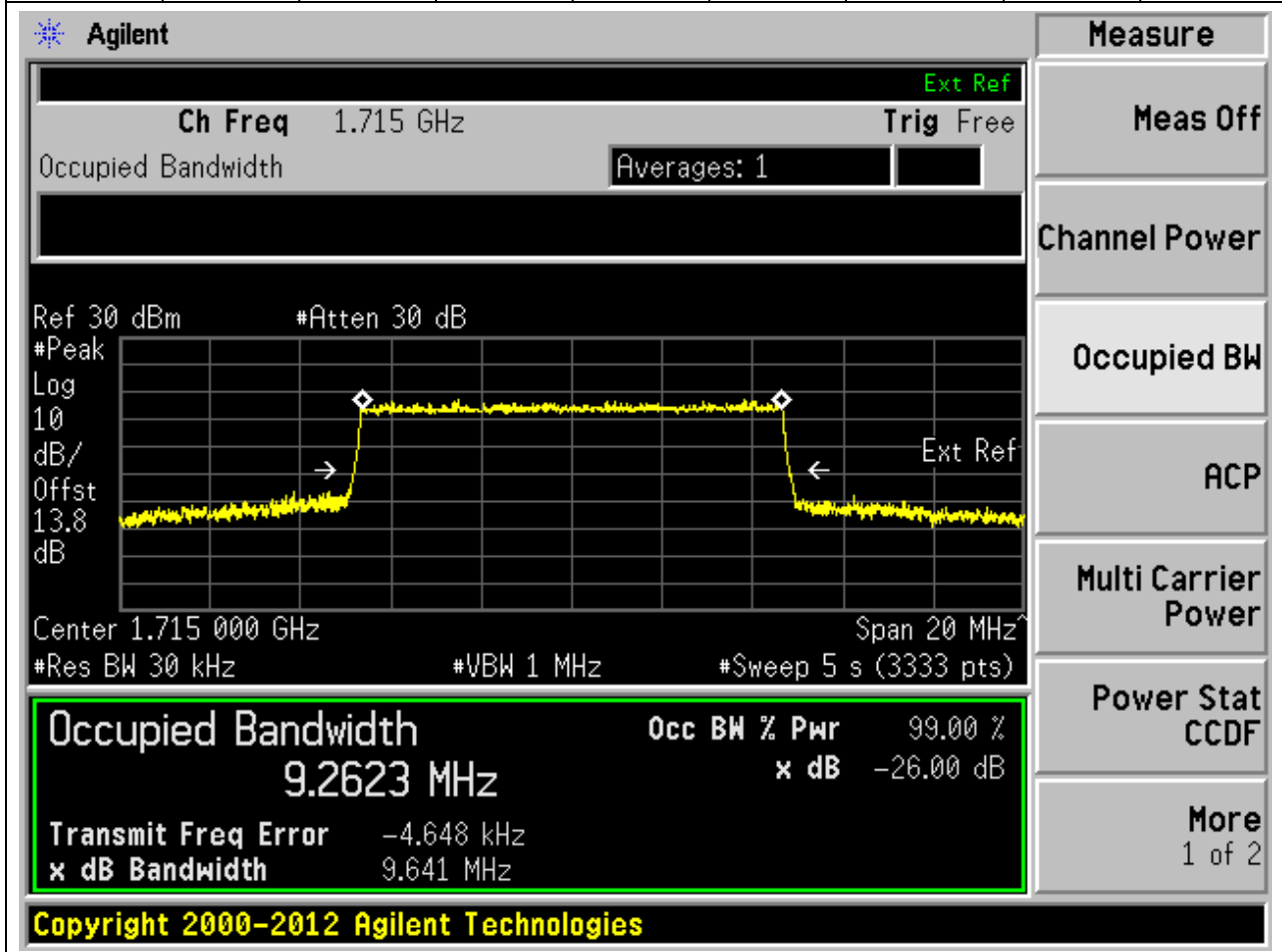
#Res BW 100 kHz
#VBW 300 kHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4976 MHz	x dB -26.00 dB
Transmit Freq Error	-4.817 kHz
x dB Bandwidth	4.910 MHz

Copyright 2000-2012 Agilent Technologies

4.13. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.03	Peak	9.26	9.64	10	Pass



4.14. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	9.26	9.61	10	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 13.9
 dB

Center 1.745 000 GHz
Span 20 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (3333 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.2641 MHz	x dB -26.00 dB
Transmit Freq Error	-8.214 kHz
x dB Bandwidth	9.614 MHz

Copyright 2000-2012 Agilent Technologies

4.15. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.03	Peak	9.27	9.61	10	Pass

Agilent

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More
1 of 2

Ch Freq 1.775 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 13.9 dB

Center 1.775 000 GHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
9.2659 MHz	x dB -26.00 dB
Transmit Freq Error	-10.301 kHz
x dB Bandwidth	9.613 MHz

Copyright 2000-2012 Agilent Technologies

4.16. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.03	Peak	9.28	9.65	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	9.2807 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	447.211 Hz
x dB Bandwidth	9.651 MHz

Additional parameters shown in the interface include: Ch Freq 1.715 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.8 dB, Center 1.715 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

Copyright 2000-2012 Agilent Technologies

4.17. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	9.27	9.64	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	9.2700 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-8.472 kHz
x dB Bandwidth	9.638 MHz

Additional parameters shown in the interface include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.9 dB, Center 1.745 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

Copyright 2000-2012 Agilent Technologies

4.18. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.03	Peak	9.28	9.63	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	9.2754 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-8.219 kHz
x dB Bandwidth	9.627 MHz

Other visible parameters include: Ch Freq 1.775 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.9 dB, Center 1.775 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

Copyright 2000-2012 Agilent Technologies

4.19. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.03	Peak	9.25	9.6	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	9.2530 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.859 kHz
x dB Bandwidth	9.605 MHz

Additional parameters shown in the interface include: Ch Freq 1.715 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.8 dB, Center 1.715 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

Copyright 2000-2012 Agilent Technologies

4.20. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	9.25	9.57	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	9.2468 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-17.312 kHz
x dB Bandwidth	9.570 MHz

Additional parameters shown in the interface include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.9 dB, Center 1.745 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

Copyright 2000-2012 Agilent Technologies

4.21. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.03	Peak	9.25	9.63	10	Pass

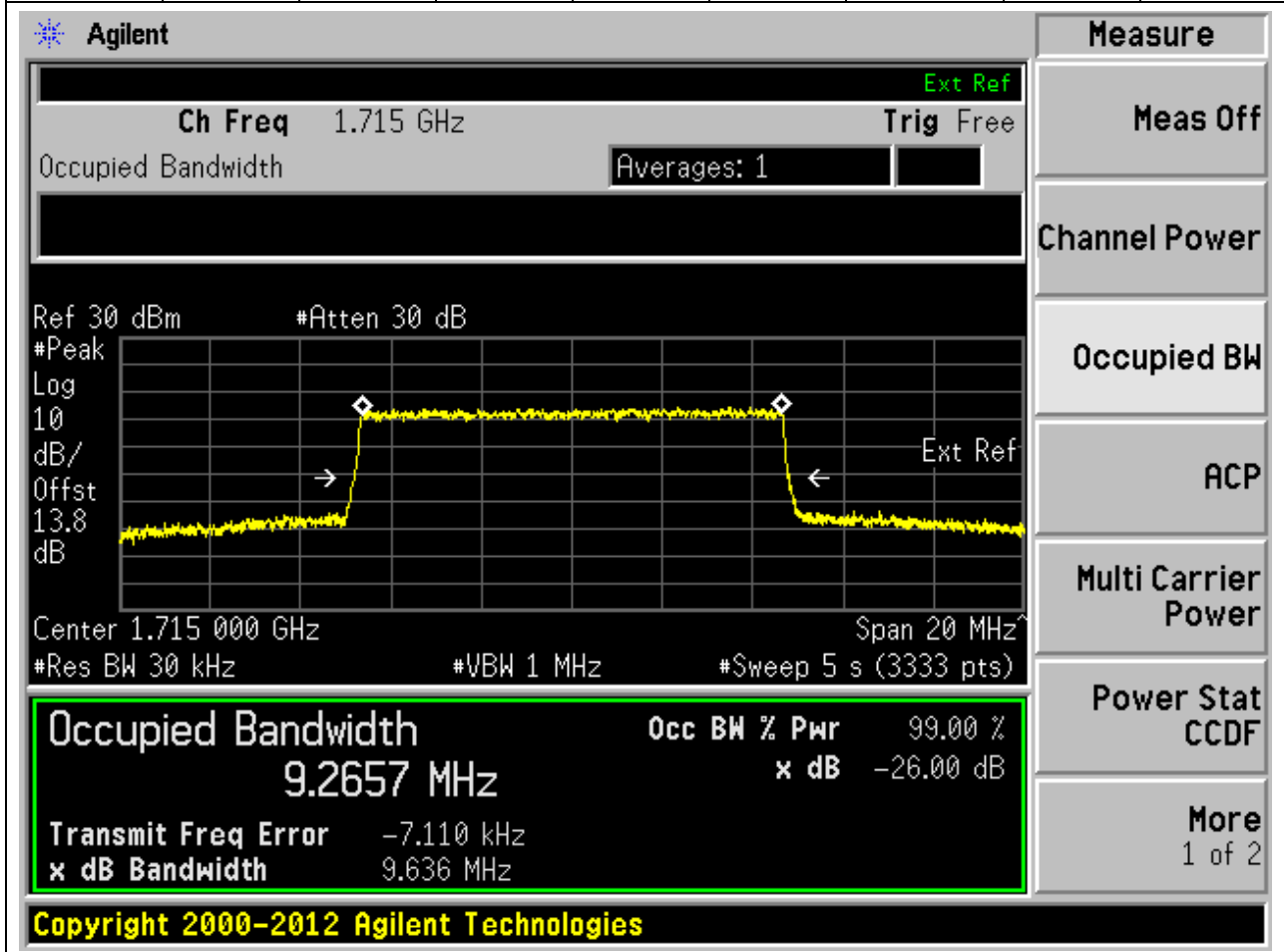
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.775 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2518 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement controls and a summary table at the bottom.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2518 MHz	x dB	-26.00 dB
Transmit Freq Error	-19.716 kHz	
x dB Bandwidth	9.628 MHz	

Copyright 2000-2012 Agilent Technologies

4.22. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.03	Peak	9.27	9.64	10	Pass



4.23. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	9.27	9.62	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 1.745 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2730 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak. The upper limit is 10 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2730 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.9 dB, Center 1.745 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts), Transmit Freq Error -12.448 kHz, x dB Bandwidth 9.619 MHz.

Copyright 2000-2012 Agilent Technologies

4.24. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:355000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.03	Peak	9.26	9.63	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.775 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2615 MHz, which is 99.00% of the 9.633 MHz bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -11.610 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

4.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.03	Peak	14.1	14.54	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.7175 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.1041 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.1041 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 3.492 kHz
x dB Bandwidth: 14.537 MHz

4.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	14.09	14.53	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz and the span is 30 MHz. The occupied bandwidth is measured as 14.0932 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -8.379 kHz. The XdB bandwidth is 14.533 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0932 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -8.379 kHz
x dB Bandwidth: 14.533 MHz

Copyright 2000-2012 Agilent Technologies

4.27. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.03	Peak	14.09	14.52	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 1.7725 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0880 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0880 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -12.497 kHz
x dB Bandwidth: 14.517 MHz

4.28. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.03	Peak	14.1	14.56	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.7175 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0962 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 9.381 kHz, and the XdB bandwidth is 14.558 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

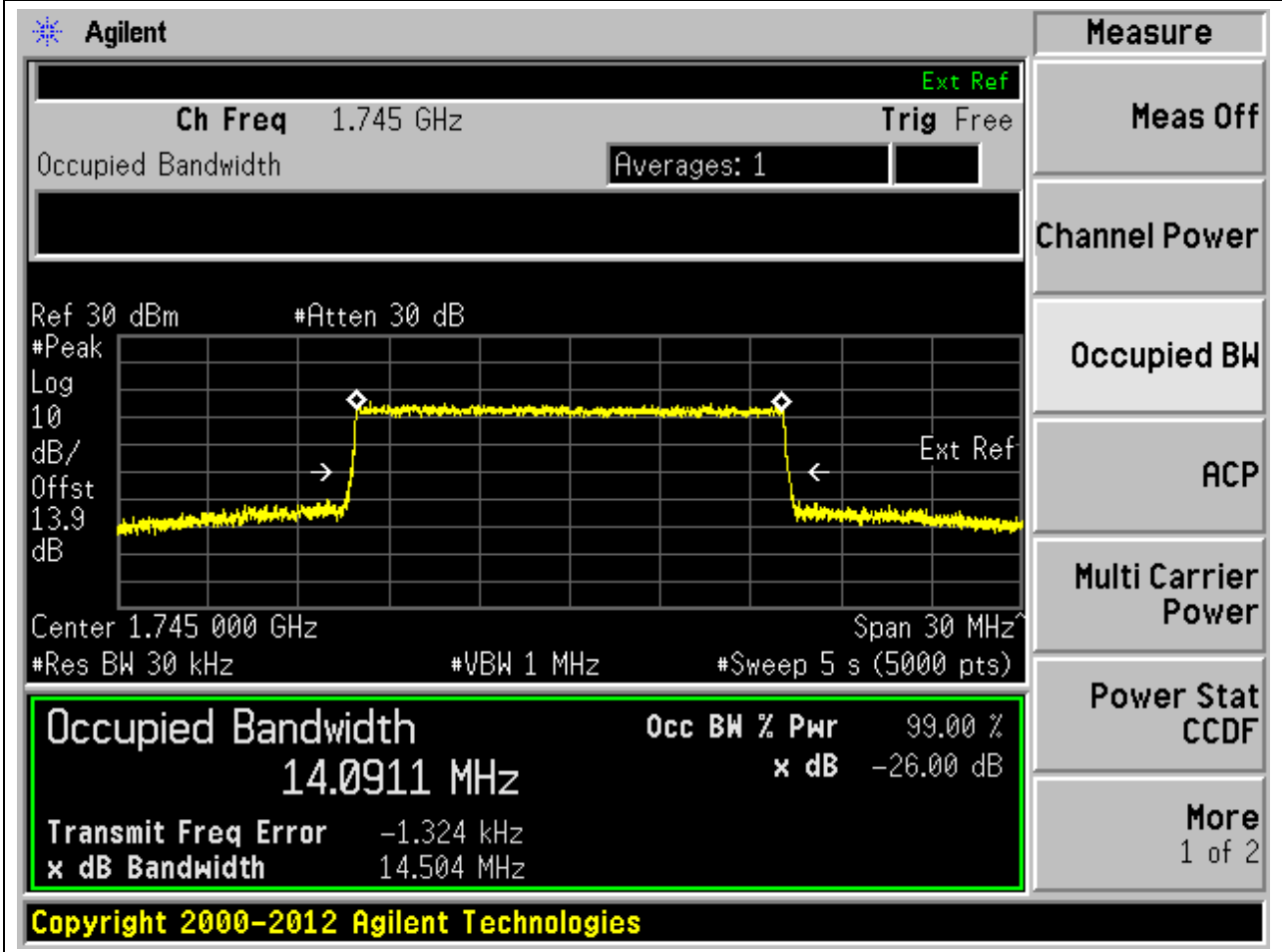
Occupied Bandwidth	Occ BW % Pwr	x dB
14.0962 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 9.381 kHz
x dB Bandwidth: 14.558 MHz

Copyright 2000-2012 Agilent Technologies

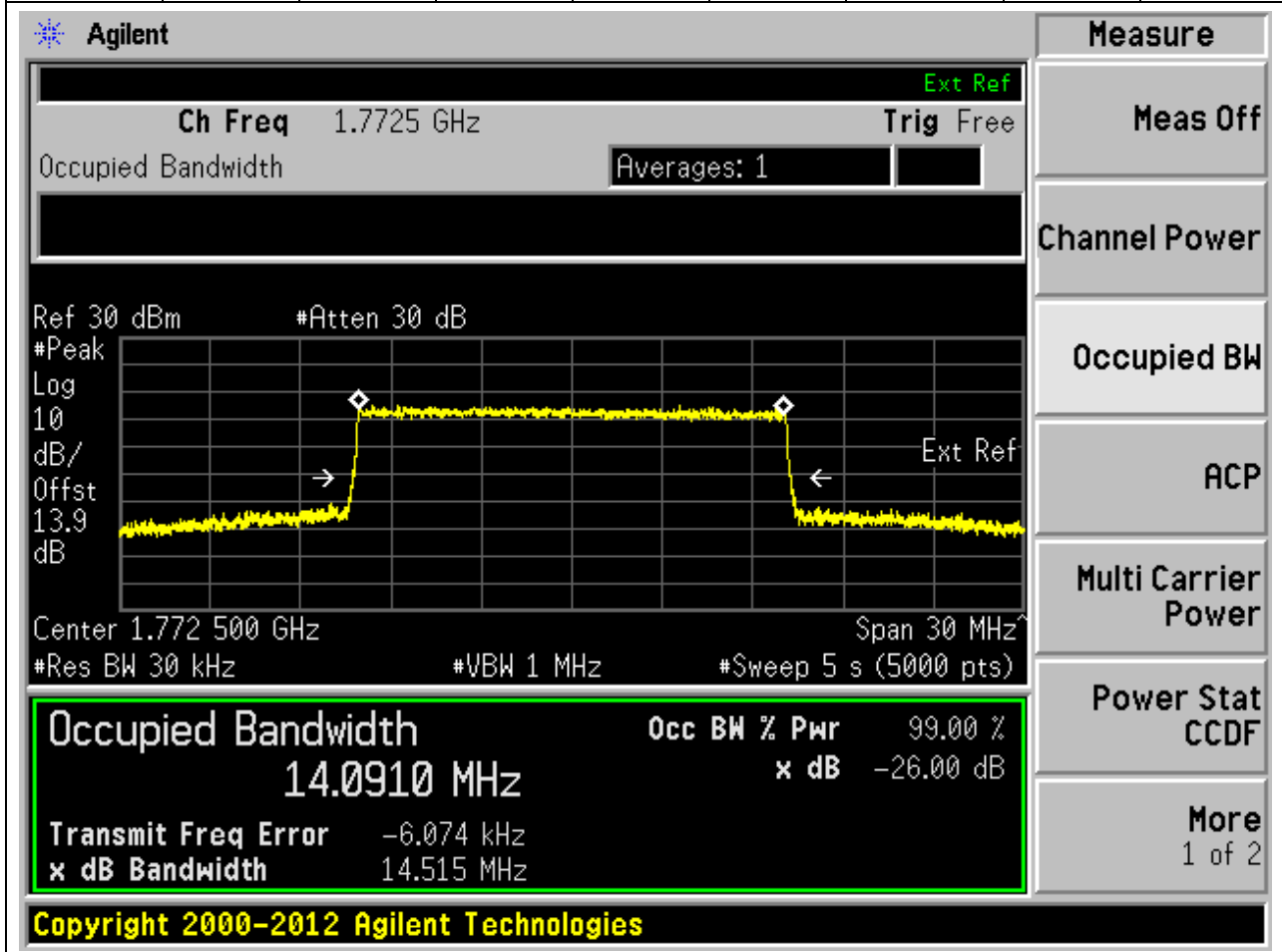
4.29. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	14.09	14.5	15	Pass



4.30. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.03	Peak	14.09	14.52	15	Pass



4.31. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.03	Peak	14.09	14.48	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 1.7175 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0857 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0857 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -4.466 kHz
x dB Bandwidth: 14.482 MHz

4.32. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	14.08	14.45	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 1.745 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0816 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0816 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -16.135 kHz
x dB Bandwidth: 14.453 MHz

4.33. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.03	Peak	14.08	14.51	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.7725 GHz, and the span is 30 MHz. The occupied bandwidth is highlighted as 14.0808 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0808 MHz	99.00 %	-26.00 dB

4.34. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:343500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.03	Peak	14.05	14.5	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	14.0533 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	77.719 Hz
x dB Bandwidth	14.502 MHz

Additional parameters shown in the interface include: Ch Freq 1.7175 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.8 dB, Center 1.717 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

Copyright 2000-2012 Agilent Technologies

4.35. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	14.06	14.48	15	Pass

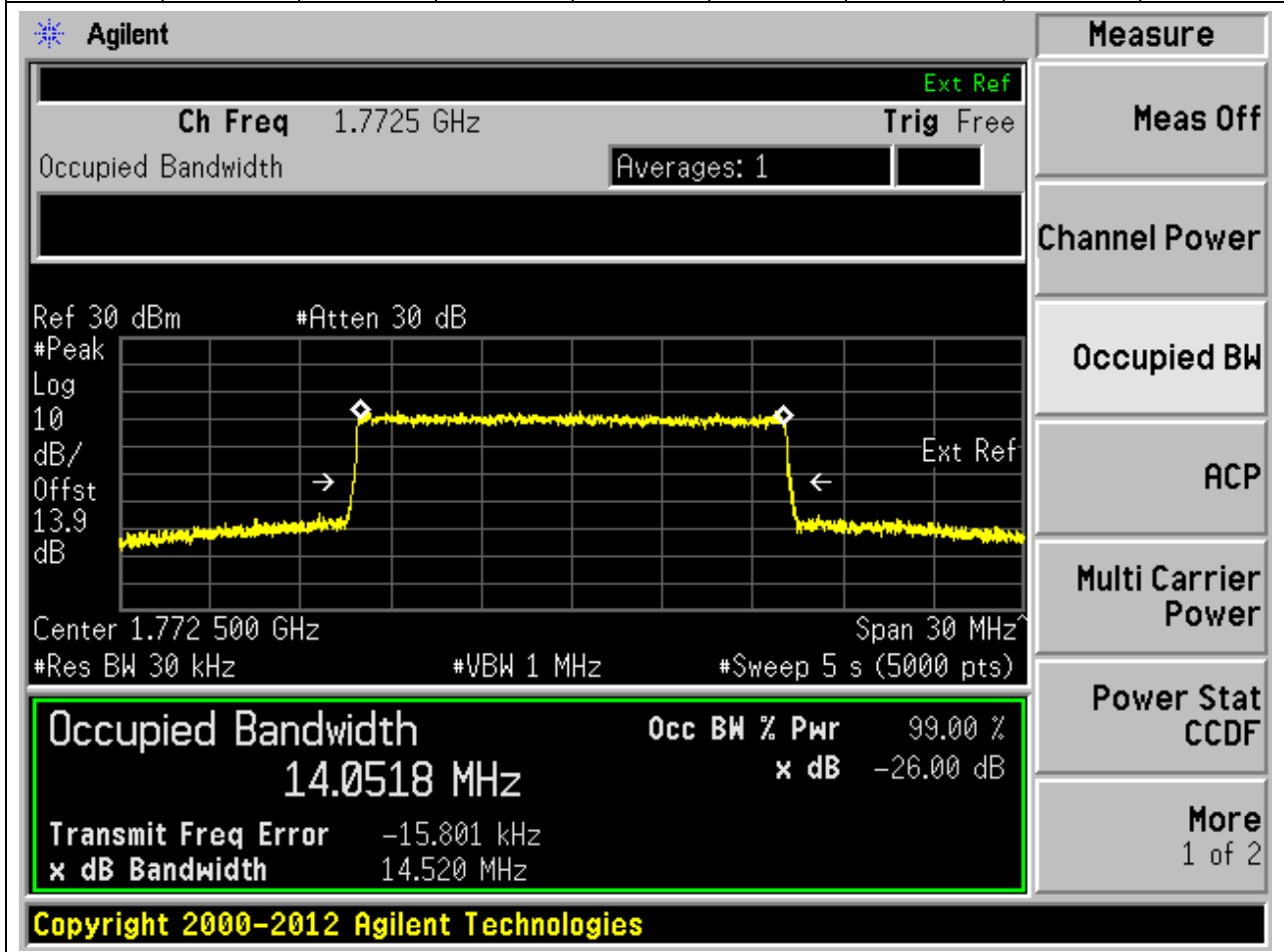
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz, and the span is 30 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0608 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.9 dB, Center 1.745 000 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts), Transmit Freq Error -12.016 kHz, and x dB Bandwidth 14.484 MHz.

4.36. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.03	Peak	14.05	14.52	15	Pass



4.37. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.03	Peak	18.89	19.41	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	18.8920 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	6.874 kHz
x dB Bandwidth	19.414 MHz

Other visible parameters include: Ch Freq 1.72 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 13.8 dB, Center 1.720 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

Copyright 2000-2012 Agilent Technologies

4.38. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	18.88	19.39	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 1.745 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8803 MHz	x dB	-26.00 dB
Transmit Freq Error		-13.840 kHz
x dB Bandwidth		19.389 MHz

Additional parameters shown include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.9 dB, Center 1.745 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.39. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.03	Peak	18.87	19.38	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

Measurement	Value	Unit
Occupied Bandwidth	18.8689	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	-15.553	kHz
x dB Bandwidth	19.382	MHz

Additional parameters shown in the interface include: Ch Freq 1.77 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.8 dB, Center 1.770 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.40. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.03	Peak	18.9	19.4	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 1.720 GHz and the span is 40 MHz. The occupied bandwidth is measured as 18.8985 MHz. The power is 99.00% and the XdB bandwidth is 19.403 MHz. The XdB down is -26.00 dB. The transmit frequency error is 10.273 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

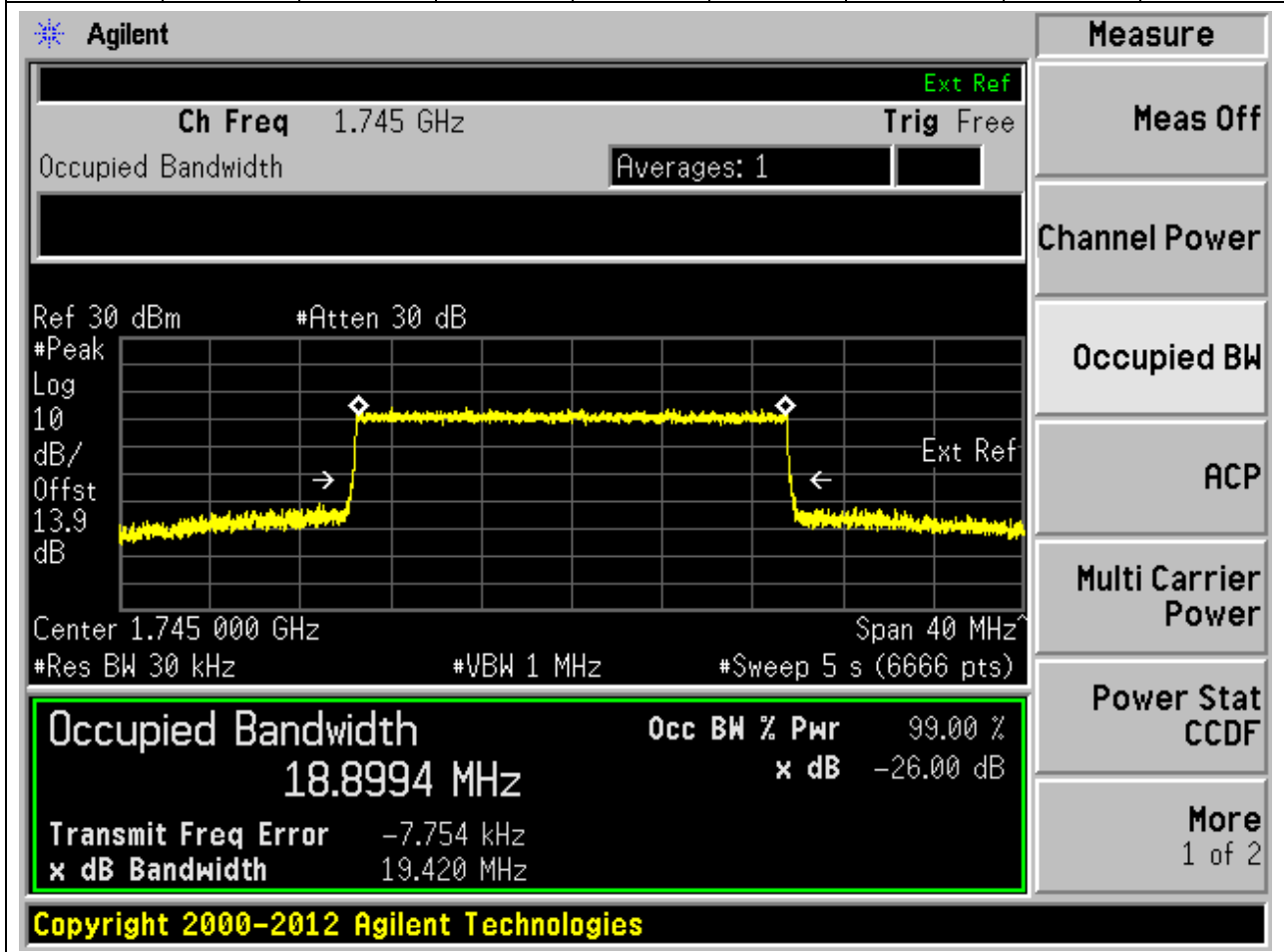
Occupied Bandwidth	Occ BW % Pwr	x dB
18.8985 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 10.273 kHz
x dB Bandwidth: 19.403 MHz

Copyright 2000-2012 Agilent Technologies

4.41. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	18.9	19.42	20	Pass



4.42. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.03	Peak	18.89	19.42	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.77 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8884 MHz. The power is 99.00% and the XdB bandwidth is 19.421 MHz. The XdB down is -26.00 dB. The transmit frequency error is -7.227 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

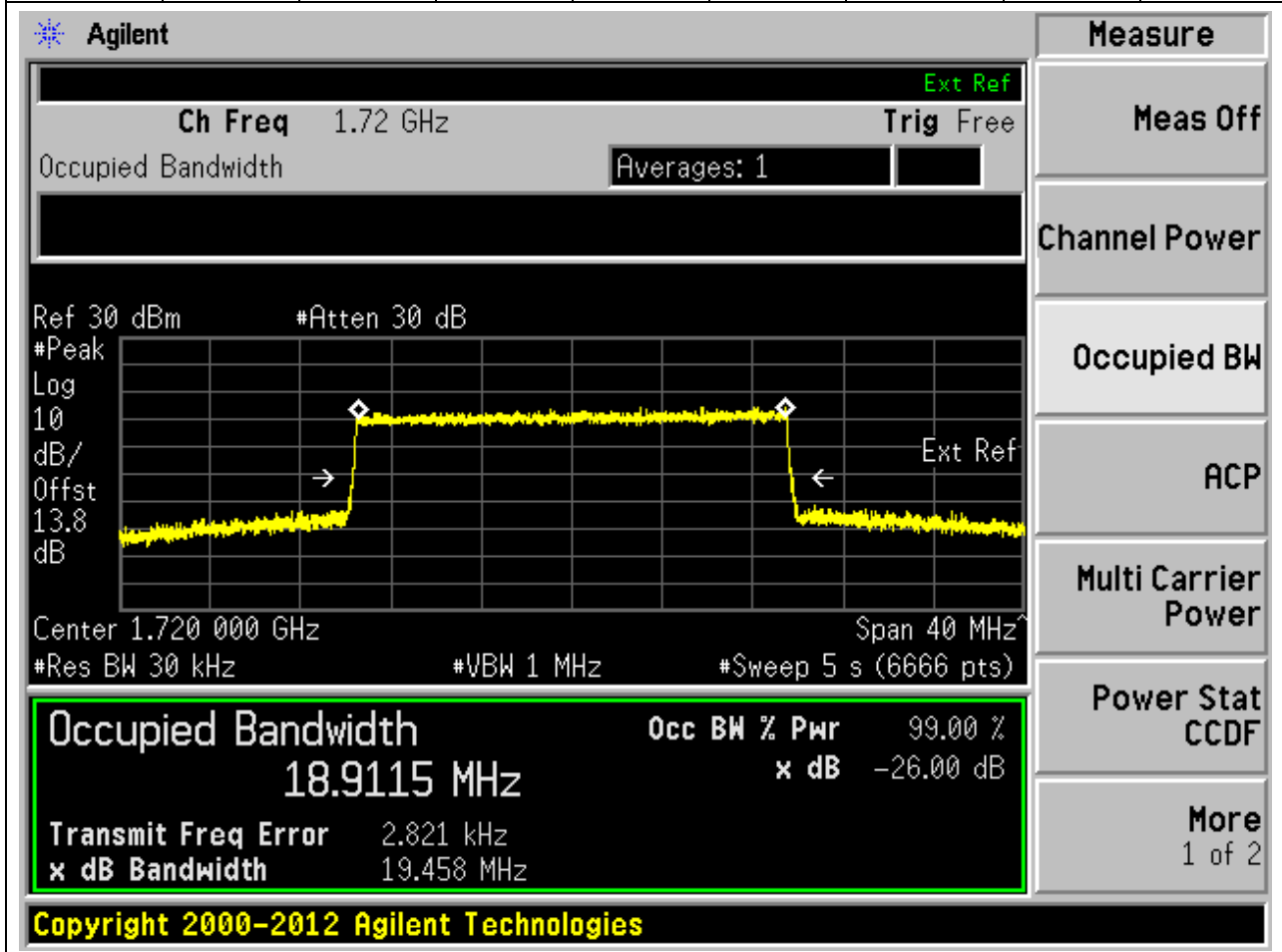
Occupied Bandwidth	Occ BW % Pwr	x dB
18.8884 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -7.227 kHz
x dB Bandwidth: 19.421 MHz

Copyright 2000-2012 Agilent Technologies

4.43. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.03	Peak	18.91	19.46	20	Pass



4.44. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	18.9	19.37	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 1.745 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth Measurement Summary:

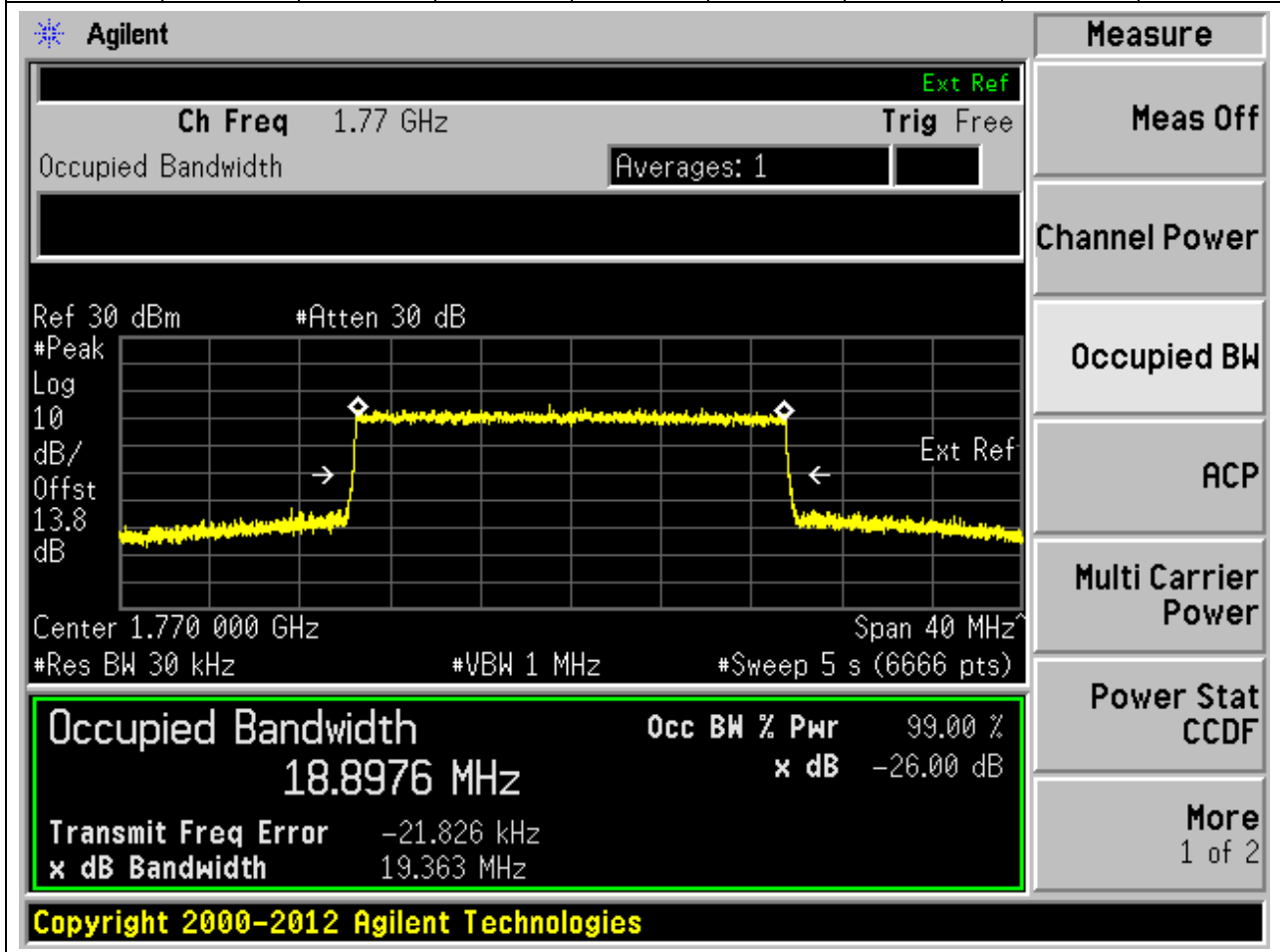
Occupied Bandwidth	18.9038 MHz	Occ BW % Pwr	99.00 %
Transmit Freq Error	-24.239 kHz	x dB	-26.00 dB
x dB Bandwidth	19.371 MHz		

Additional parameters shown in the interface include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.9 dB, Center 1.745 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

Copyright 2000-2012 Agilent Technologies

4.45. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.03	Peak	18.9	19.36	20	Pass



4.46. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.03	Peak	18.88	19.43	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.720 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8833 MHz. The power is 99.00% and the XdB bandwidth is 19.431 MHz. The XdB down is -26.00 dB. The transmit frequency error is 5.074 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A table of measurements is visible on the right side of the screen.

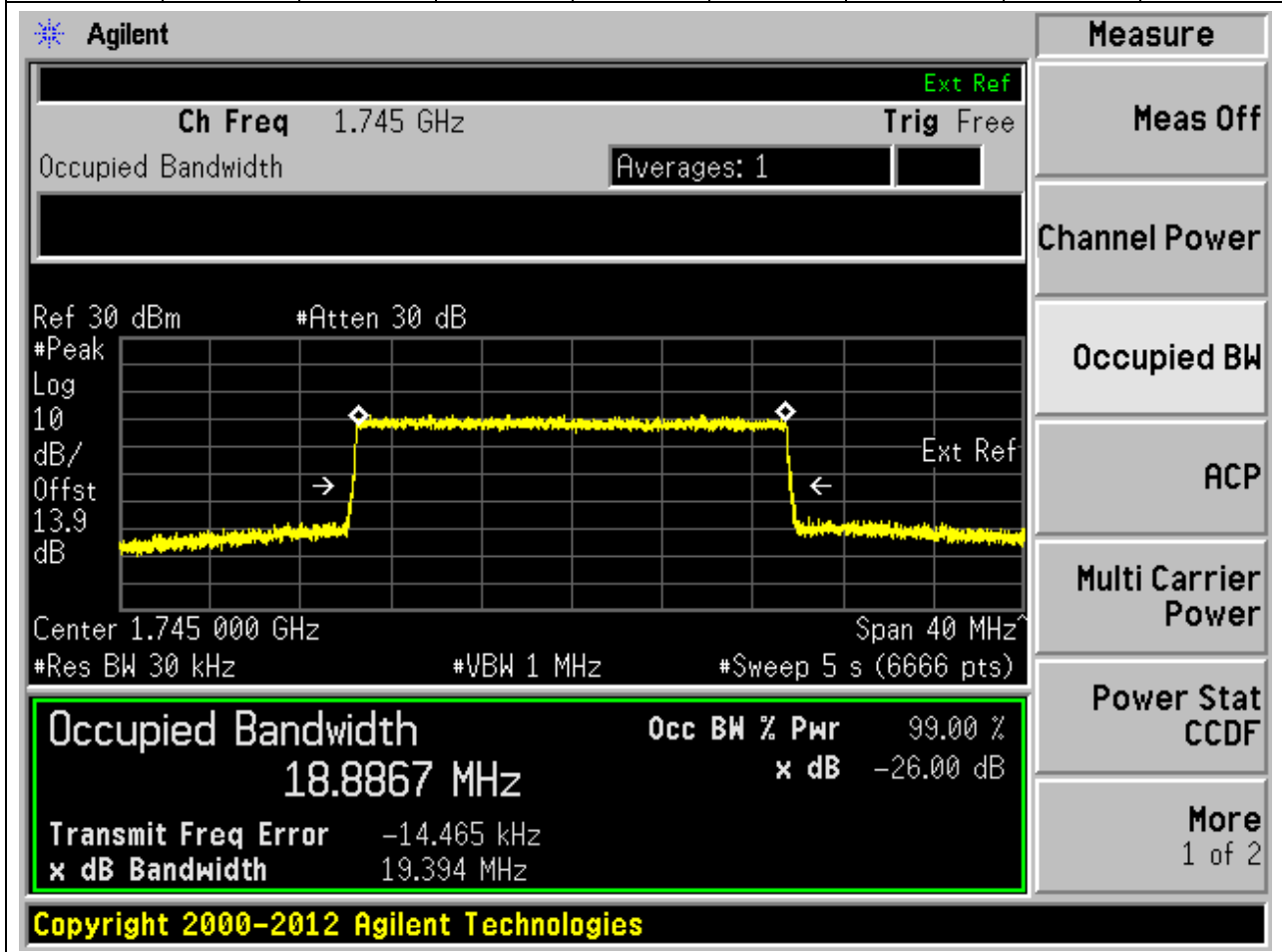
Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More 1 of 2

Occupied Bandwidth 18.8833 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Transmit Freq Error 5.074 kHz
x dB Bandwidth 19.431 MHz

Copyright 2000-2012 Agilent Technologies

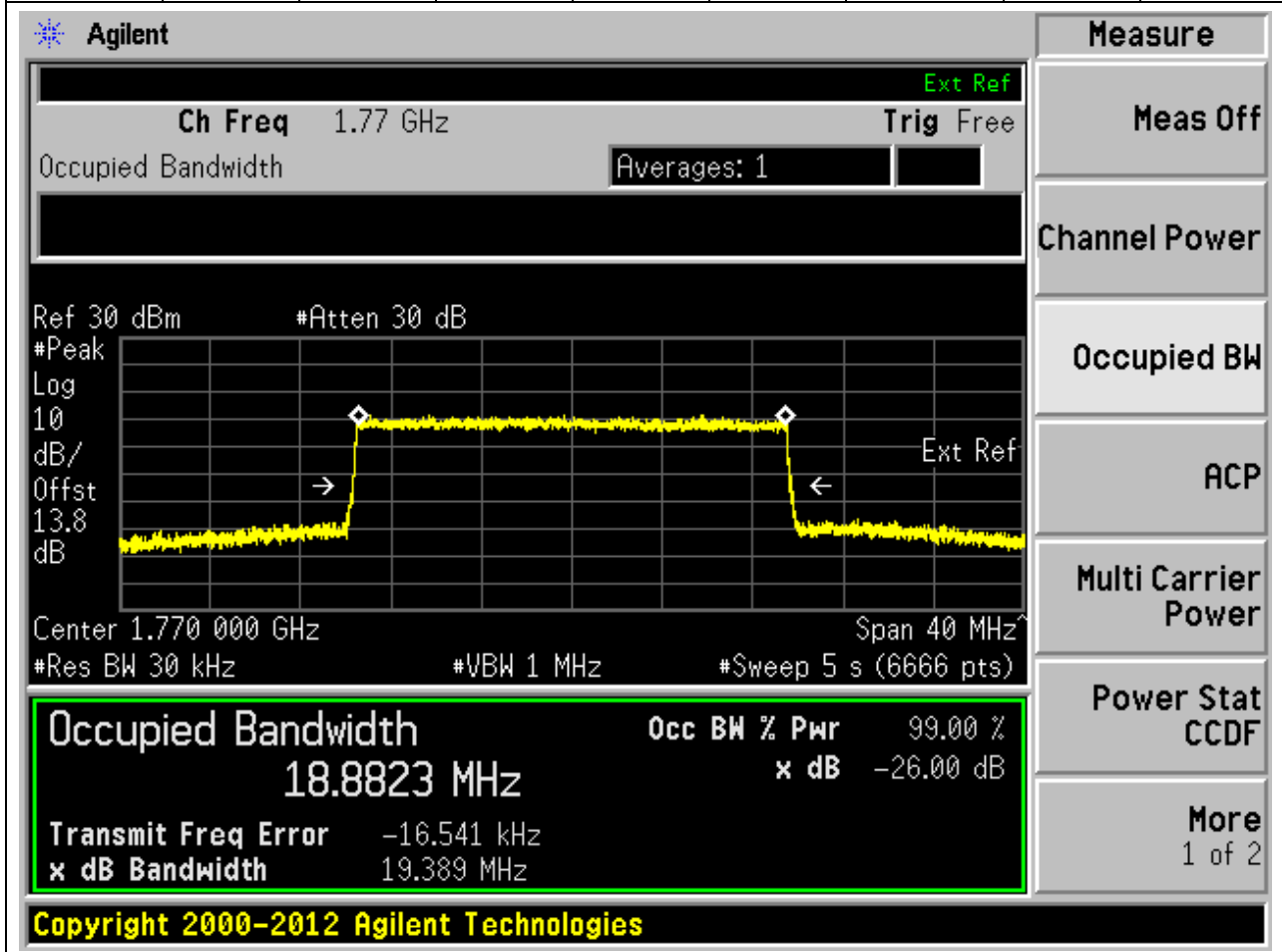
4.47. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	18.89	19.39	20	Pass



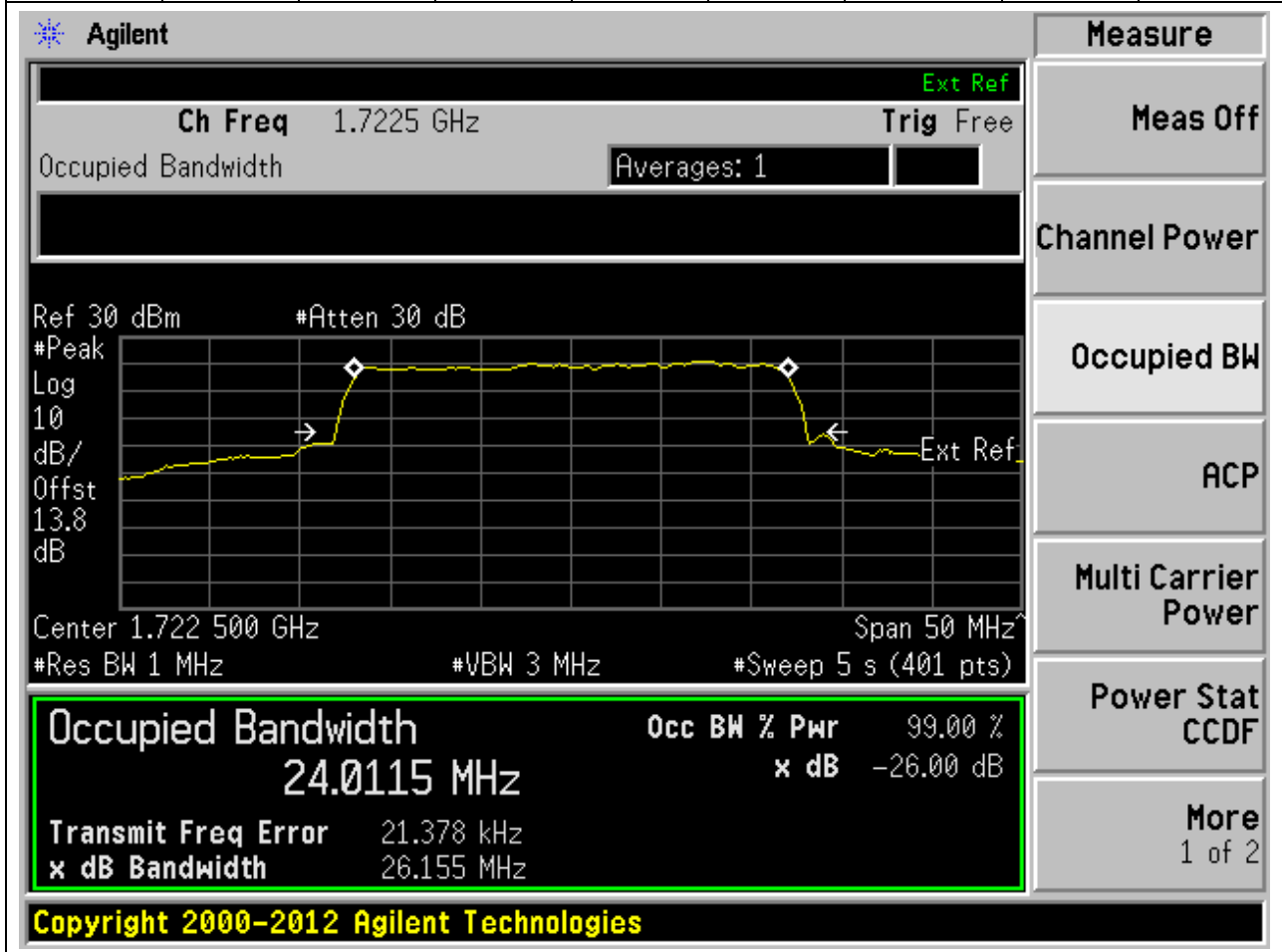
4.48. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:354000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.03	Peak	18.88	19.39	20	Pass



4.49. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1722.5	99	26	1	Peak	24.01	26.16	25	Pass



4.50. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	24.01	26.2	25	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 50 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
24.0135 MHz	x dB -26.00 dB
Transmit Freq Error	-49.401 kHz
x dB Bandwidth	26.197 MHz

Copyright 2000-2012 Agilent Technologies

4.51. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1767.5	99	26	1	Peak	24.02	26.14	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 24.0162 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Center 1.767 500 GHz, Span 50 MHz, Res BW 1 MHz, VBW 3 MHz, and Sweep 5 s (401 pts). The interface also includes a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	x dB
24.0162 MHz	99.00 %	-26.00 dB

Copyright 2000-2012 Agilent Technologies

4.52. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1722.5	99	26	1	Peak	24.14	26.2	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	24.1450 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	64.159 kHz
x dB Bandwidth	26.198 MHz

Additional parameters shown in the interface include: Ch Freq 1.7225 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.8 dB, Center 1.722 500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

Copyright 2000-2012 Agilent Technologies

4.53. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	24.14	26.22	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The trace is centered at 1.745 GHz with a span of 50 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The signal level is approximately -26 dB. The occupied bandwidth is measured as 24.1440 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -15.901 kHz, and the XdB bandwidth is 26.216 MHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
24.1440 MHz	x dB	-26.00 dB
Transmit Freq Error		-15.901 kHz
x dB Bandwidth		26.216 MHz

Copyright 2000-2012 Agilent Technologies

4.54. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1767.5	99	26	1	Peak	24.08	26.15	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	24.0832 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.540 kHz
x dB Bandwidth	26.148 MHz

Additional parameters shown in the interface include: Ch Freq 1.7675 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.8 dB, Center 1.767 500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.55. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1722.5	99	26	1	Peak	24.06	26.15	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

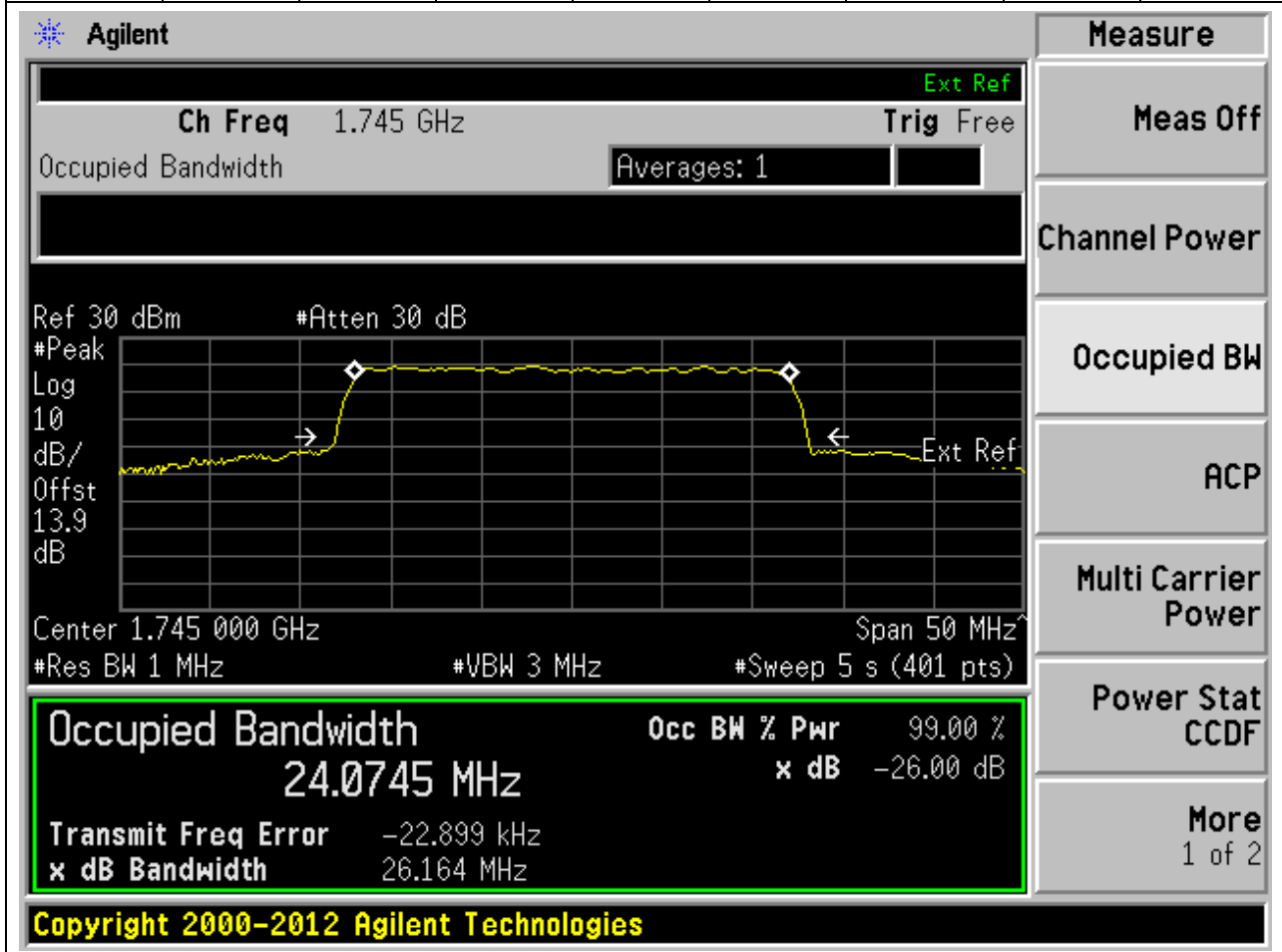
Measurement	Value
Occupied Bandwidth	24.0633 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	57.530 kHz
x dB Bandwidth	26.146 MHz

Additional parameters shown in the interface include: Ch Freq 1.7225 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.8 dB, Center 1.722 500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

Copyright 2000-2012 Agilent Technologies

4.56. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	24.07	26.16	25	Pass



4.57. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

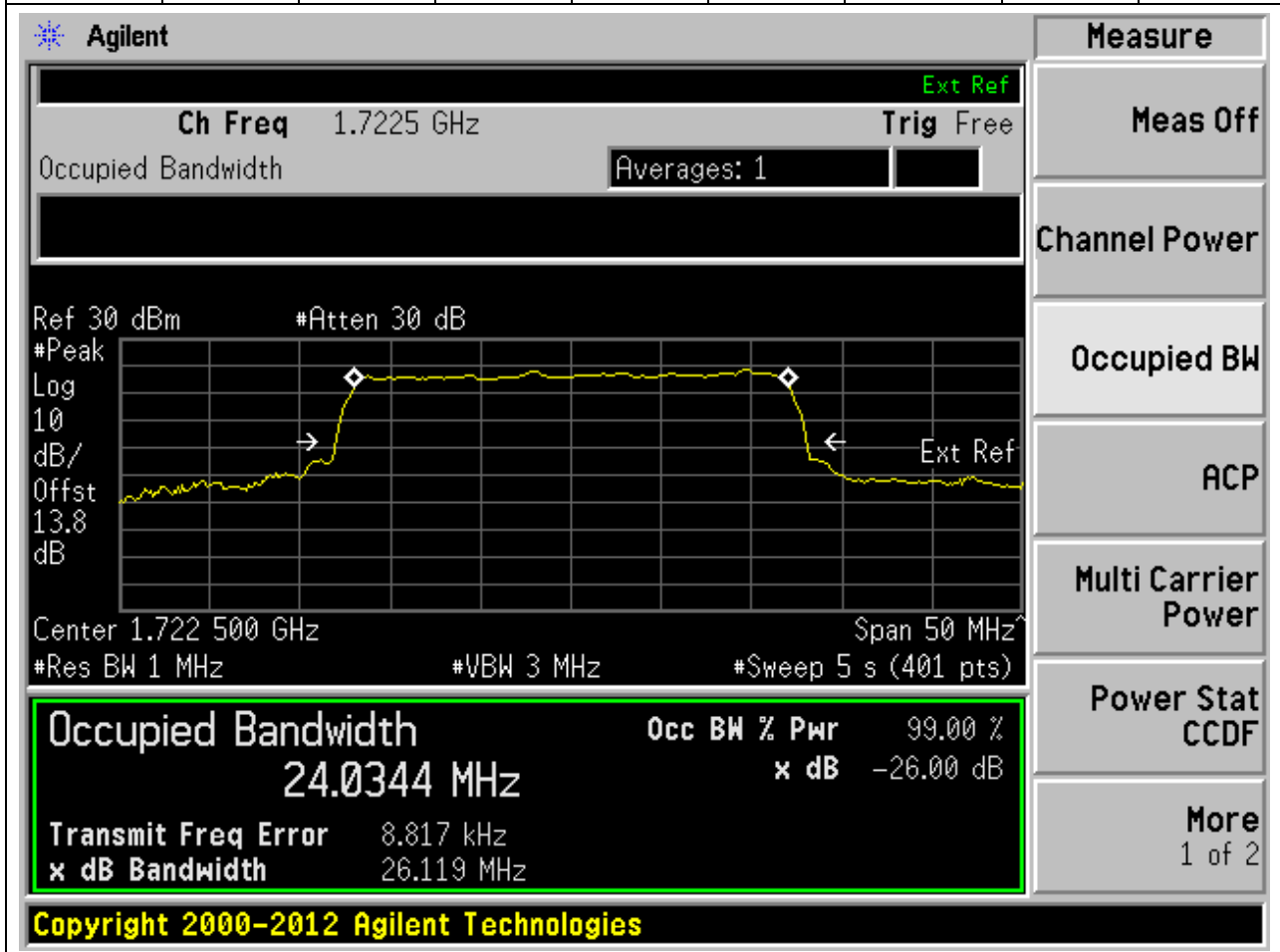
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1767.5	99	26	1	Peak	24	26.19	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.7675 GHz with a span of 50 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The plot shows a signal with a peak level of 30 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 24.0045 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 26.194 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -21.128 kHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
24.0045 MHz	x dB	-26.00 dB
Transmit Freq Error		-21.128 kHz
x dB Bandwidth		26.194 MHz

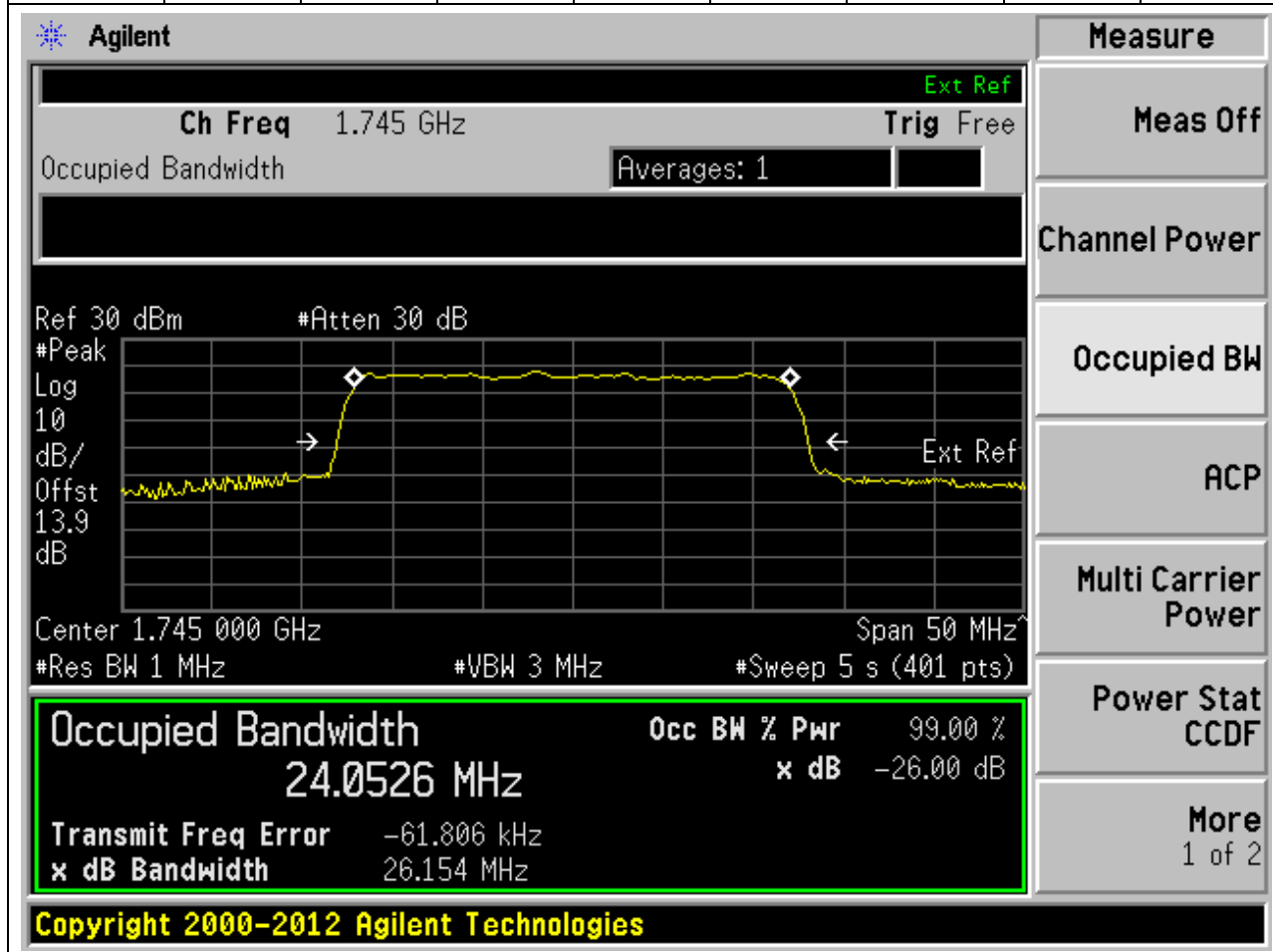
4.58. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:344500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1722.5	99	26	1	Peak	24.03	26.12	25	Pass



4.59. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	24.05	26.15	25	Pass



4.60. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1767.5	99	26	1	Peak	23.99	26.12	25	Pass

Agilent

Measure
Meas Off
Channel Power
Occupied BW
ACP
Multi Carrier Power
Power Stat CCDF
More
1 of 2

Ch Freq 1.7675 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.767 500 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
23.9879 MHz	x dB -26.00 dB
Transmit Freq Error -66.482 kHz	
x dB Bandwidth 26.116 MHz	

Copyright 2000-2012 Agilent Technologies

4.61. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:345000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1725	99	26	1	Peak	28.82	30.96	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

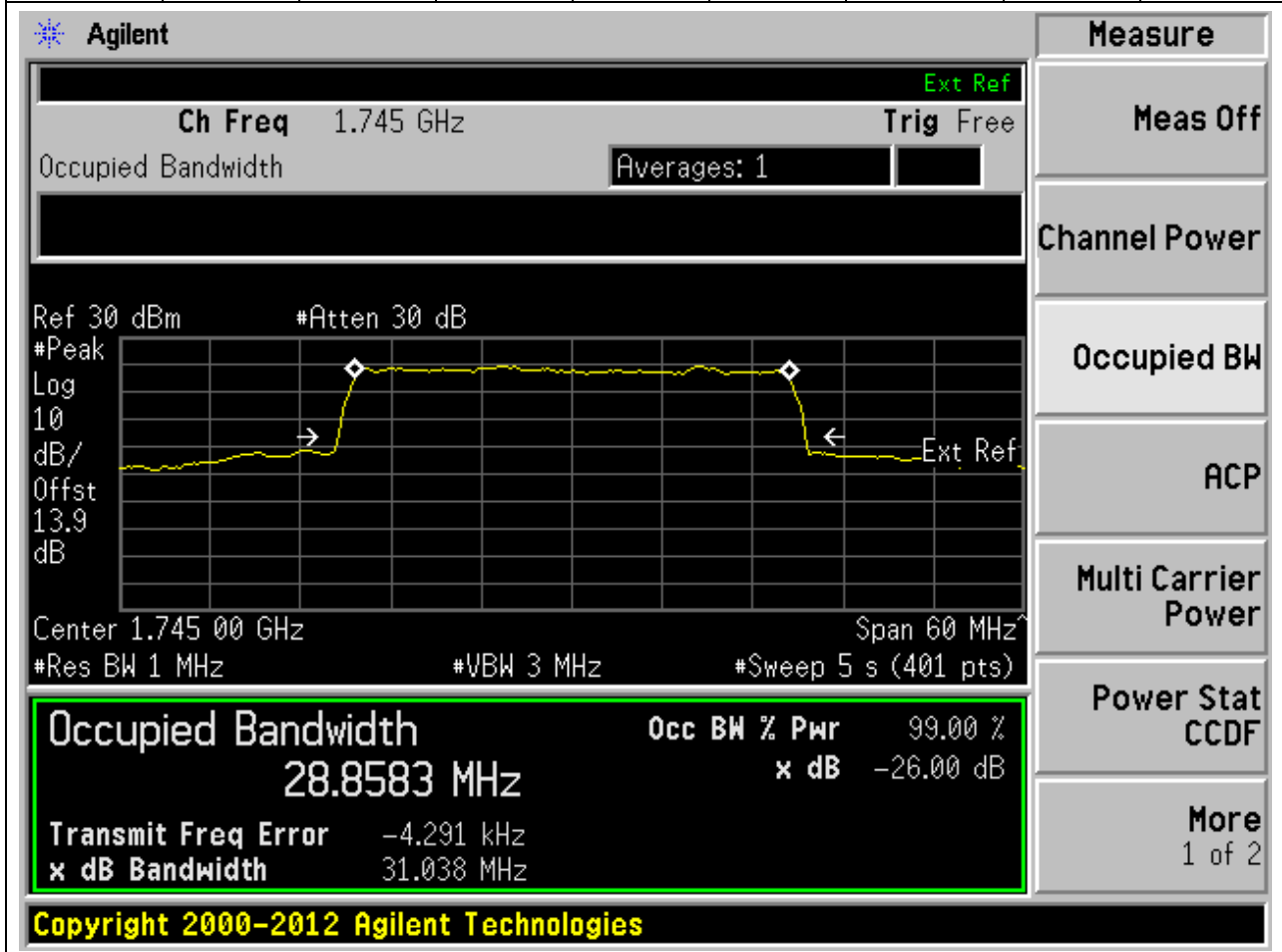
Measurement	Value
Occupied Bandwidth	28.8219 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	86.253 kHz
x dB Bandwidth	30.957 MHz

Additional parameters shown in the interface include: Ch Freq 1.725 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.8 dB, Center 1.725 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.62. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	28.86	31.04	30	Pass



4.63. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1765	99	26	1	Peak	28.81	30.99	30	Pass

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
 1 of 2

Ch Freq 1.765 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.765 00 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.8104 MHz	x dB -26.00 dB
Transmit Freq Error	-8.450 kHz
x dB Bandwidth	30.988 MHz

Copyright 2000-2012 Agilent Technologies

4.64. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:345000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1725	99	26	1	Peak	28.84	31.11	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

Measurement	Value
Occupied Bandwidth	28.8355 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	30.627 kHz
x dB Bandwidth	31.113 MHz

Additional parameters shown in the interface include: Ch Freq 1.725 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.8 dB, Center 1.725 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.65. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	28.88	31.19	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.745 GHz and a span of 60 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 28.8824 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -42.427 kHz. The XdB bandwidth is 31.195 MHz. The upper limit is 30 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.8824 MHz	99.00 %	-26.00 dB

Copyright 2000-2012 Agilent Technologies

4.66. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1765	99	26	1	Peak	28.83	31.16	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.765 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.8275 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The upper limit is 30 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.8275 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 1.765 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.8 dB, Center 1.765 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error -46.535 kHz, x dB Bandwidth 31.164 MHz.

Copyright 2000-2012 Agilent Technologies

4.67. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:345000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1725	99	26	1	Peak	28.77	31.02	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.725 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.7695 MHz, which is 99.00% of the 30 MHz channel bandwidth. The XdB down is -26.00 dB. The plot also shows a reference level at 30 dBm and an attenuation of 30 dB. The measurement is labeled 'Ext Ref'.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.7695 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Center 1.725 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), and Transmit Freq Error 32.477 kHz. The interface also shows a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.68. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	28.77	31.06	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.7722 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -43.737 kHz, and the XdB bandwidth is 31.060 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

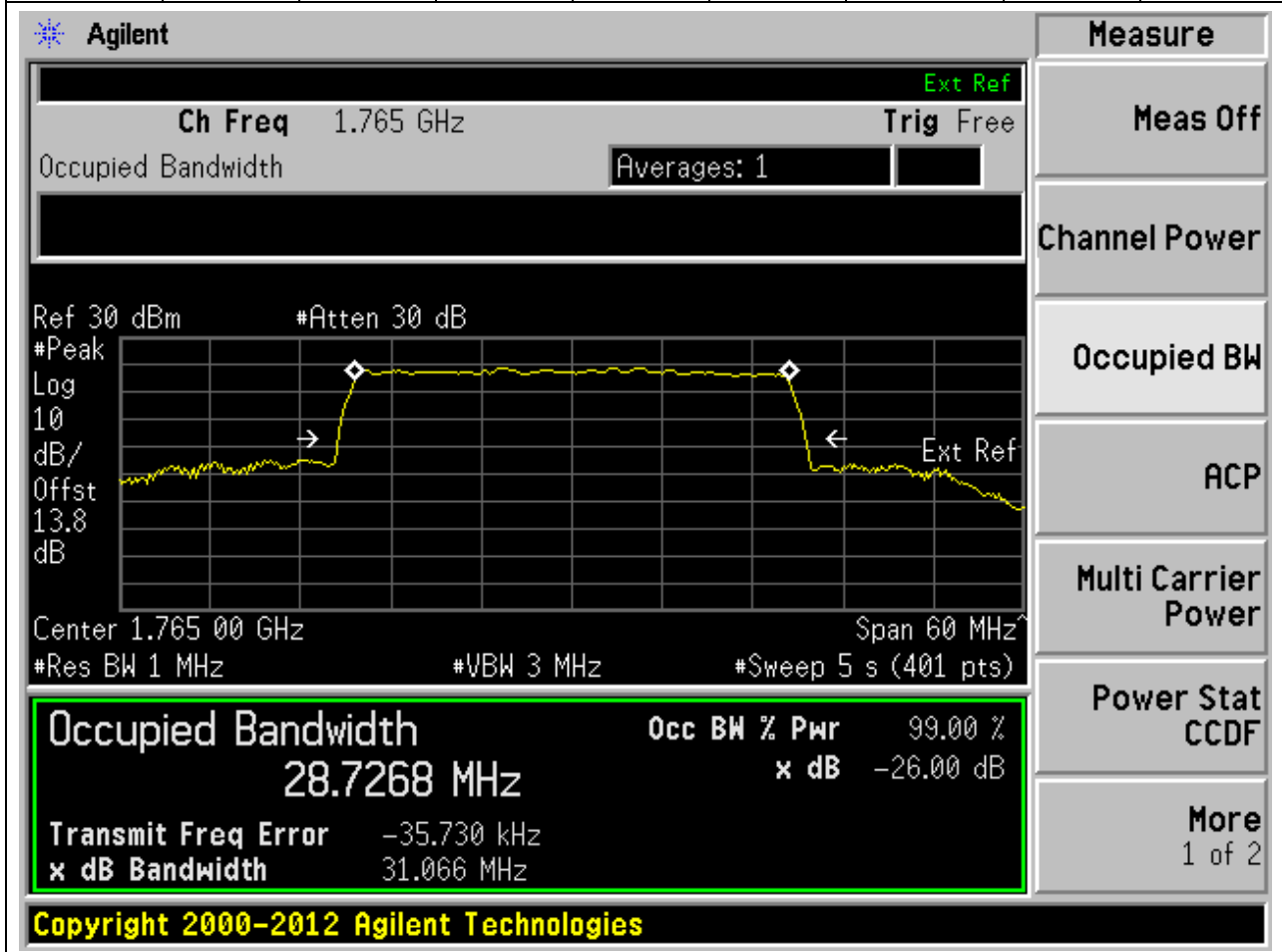
Occupied Bandwidth	Occ BW % Pwr	x dB
28.7722 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -43.737 kHz
 x dB Bandwidth: 31.060 MHz

Copyright 2000-2012 Agilent Technologies

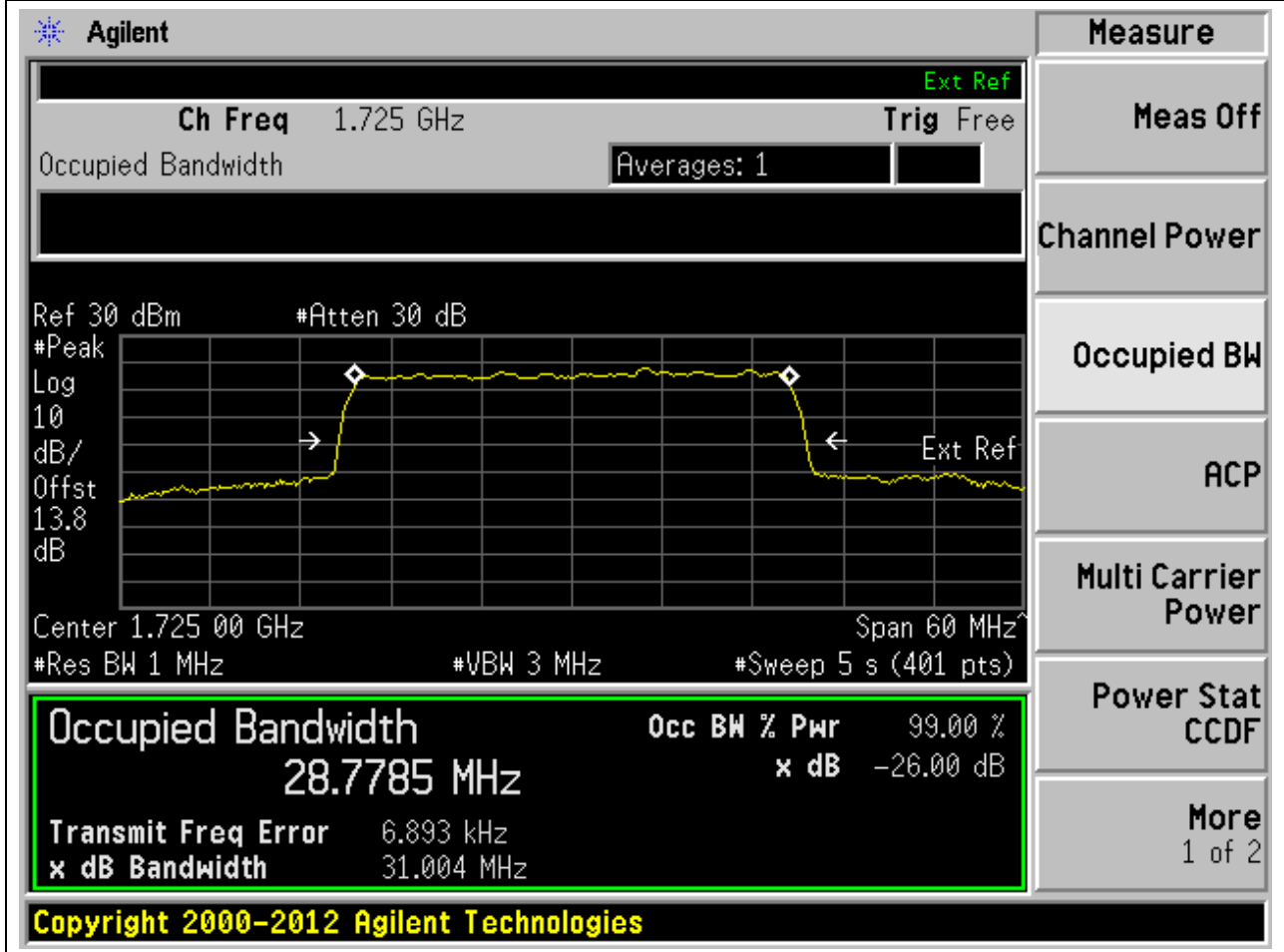
4.69. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1765	99	26	1	Peak	28.73	31.07	30	Pass



4.70. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:345000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1725	99	26	1	Peak	28.78	31	30	Pass



4.71. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	28.82	31.05	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	28.8230 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-58.835 kHz
x dB Bandwidth	31.051 MHz

Additional parameters shown in the interface include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.9 dB, Center 1.745 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

Copyright 2000-2012 Agilent Technologies

4.72. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:353000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1765	99	26	1	Peak	28.79	31.01	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.765 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.7896 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -64.589 kHz, and the X dB bandwidth is 31.011 MHz. The interface includes a 'Measure' panel on the right with buttons for 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.7896 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -64.589 kHz
x dB Bandwidth: 31.011 MHz

Copyright 2000-2012 Agilent Technologies

4.73. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:346000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1730	99	26	1	Peak	38.84	41.21	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.730 GHz and a span of 80 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The plot shows a signal with a peak level of approximately 30 dBm, with a 30 dB attenuation applied. The occupied bandwidth is measured as 38.8383 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 41.214 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 40.172 kHz. The upper limit is 40 MHz, and the verdict is 'Pass'.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.8383 MHz	99.00 %	-26.00 dB

Copyright 2000-2012 Agilent Technologies

4.74. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	38.82	41.22	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	38.8151 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	54.090 kHz
x dB Bandwidth	41.216 MHz

Other visible parameters include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.9 dB, Center 1.745 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

Copyright 2000-2012 Agilent Technologies

4.75. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:352000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1760	99	26	1	Peak	38.79	41.19	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.760 GHz and the span is 80 MHz. The occupied bandwidth is highlighted in a green box with the following values:

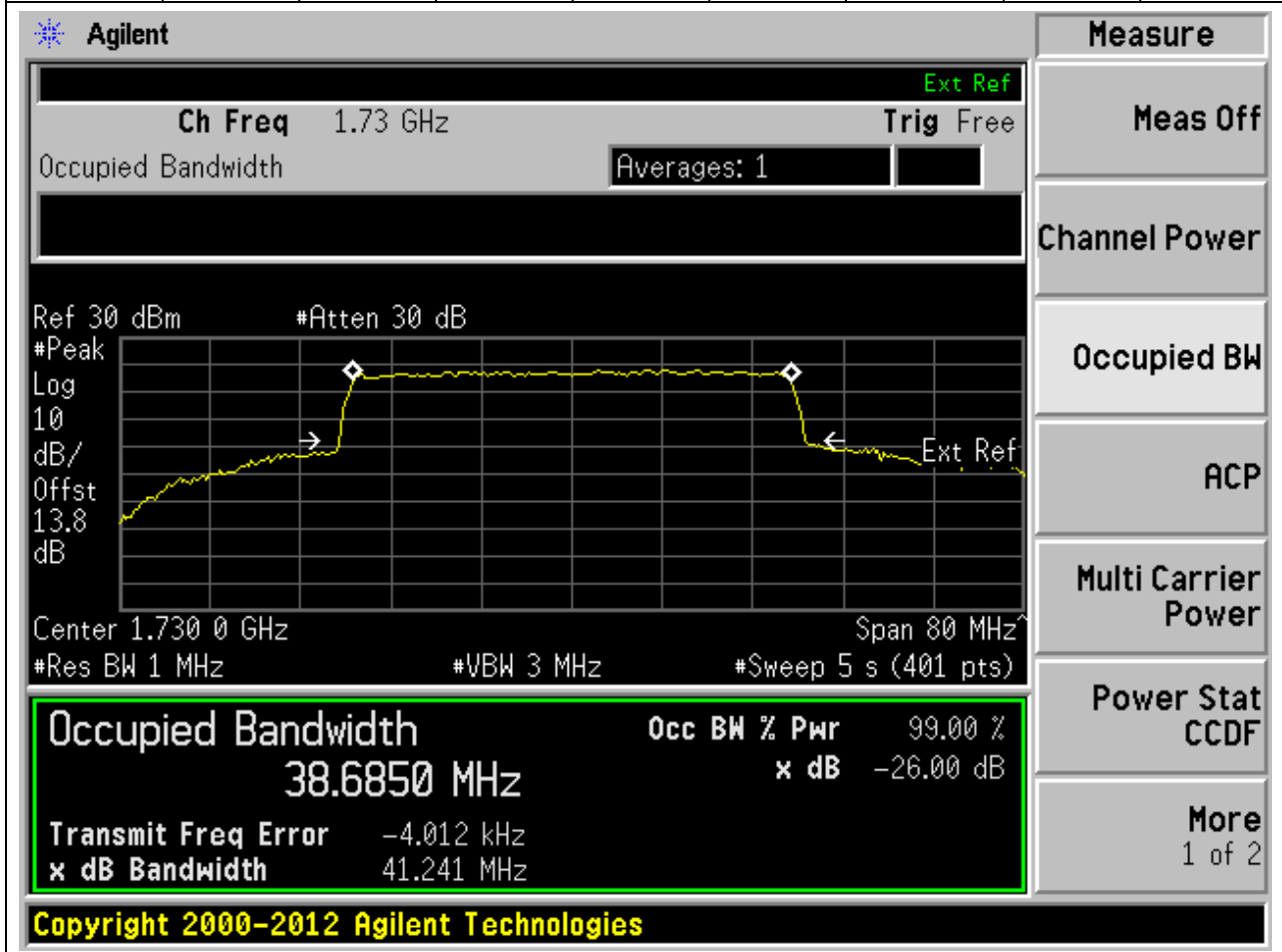
Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.7876 MHz	x dB	-26.00 dB
Transmit Freq Error		13.484 kHz
x dB Bandwidth		41.192 MHz

Additional parameters shown include: Ch Freq 1.76 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.8 dB, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.76. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:346000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1730	99	26	1	Peak	38.69	41.24	40	Pass



4.77. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	38.73	41.21	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz, and the span is 80 MHz. The occupied bandwidth is measured as 38.7281 MHz. The power is 99.00% and the XdB bandwidth is 41.214 MHz. The XdB down is -26.00 dB. The transmit frequency error is -47.186 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

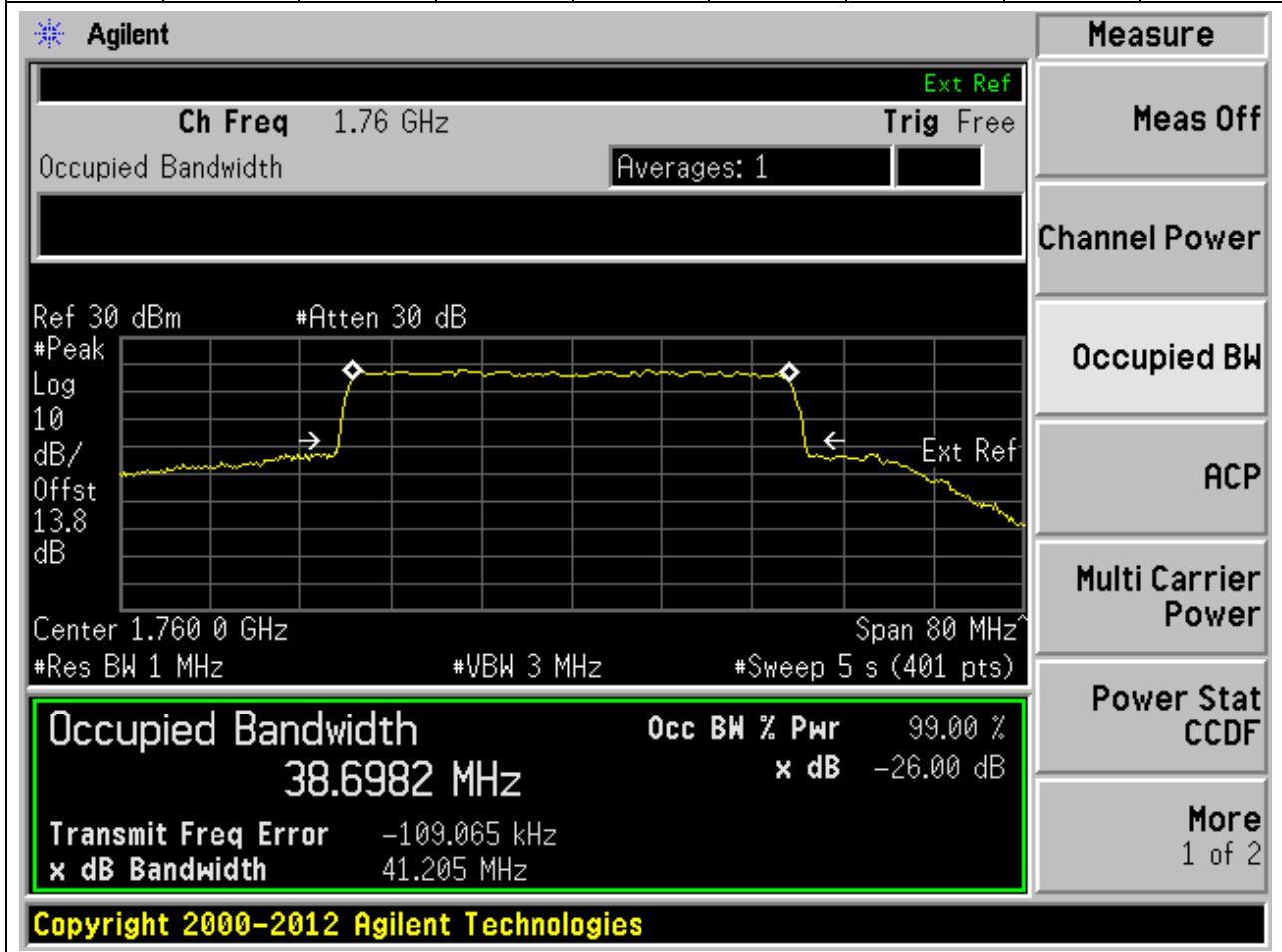
Occupied Bandwidth	Occ BW % Pwr	x dB
38.7281 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -47.186 kHz
 x dB Bandwidth: 41.214 MHz

Copyright 2000-2012 Agilent Technologies

4.78. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:352000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1760	99	26	1	Peak	38.7	41.21	40	Pass



4.79. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:346000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1730	99	26	1	Peak	38.7	41.16	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.730 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted as 38.7019 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak. The upper limit is 40 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.7019 MHz	99.00 %	-26.00 dB

Copyright 2000-2012 Agilent Technologies

4.80. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	38.77	41.17	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is centered at 1.745 GHz with a span of 80 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 38.7680 MHz, which is 99.00% of the channel bandwidth. The transmit frequency error is -29.468 kHz, and the x dB bandwidth is 41.166 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.7680 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -29.468 kHz
x dB Bandwidth: 41.166 MHz

Copyright 2000-2012 Agilent Technologies

4.81. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:352000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1760	99	26	1	Peak	38.73	41.18	40	Pass

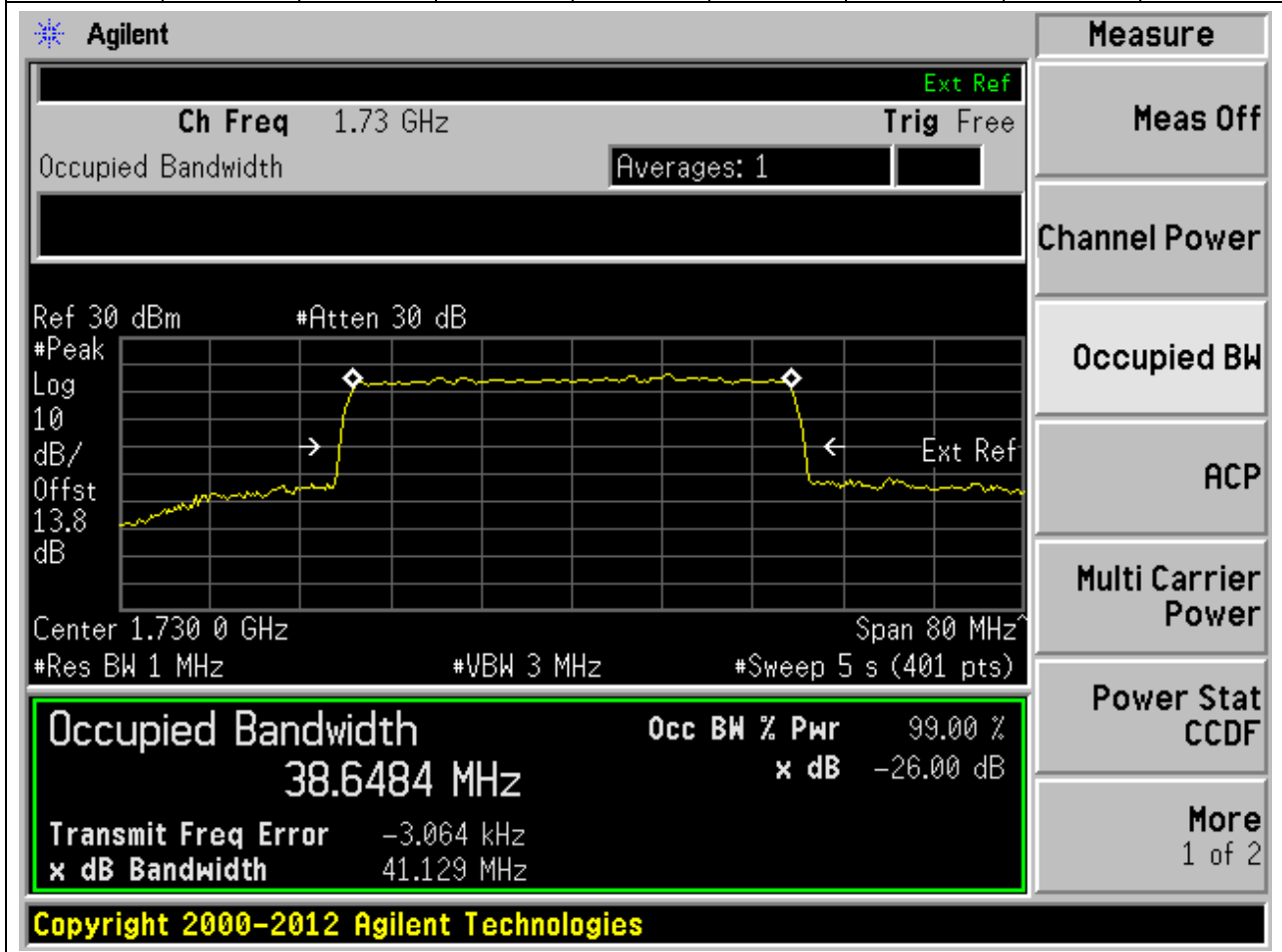
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.760 GHz, and the span is 80 MHz. The occupied bandwidth is measured as 38.7328 MHz. The power is 99.00% and the XdB bandwidth is 41.178 MHz. The XdB down is -26.00 dB. The transmit frequency error is -77.592 kHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s). A table at the bottom summarizes the key measurements.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.7328 MHz	99.00 %	-26.00 dB
Transmit Freq Error	-77.592 kHz	
x dB Bandwidth	41.178 MHz	

Copyright 2000-2012 Agilent Technologies

4.82. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:346000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1730	99	26	1	Peak	38.65	41.13	40	Pass



4.83. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:349000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	1	Peak	38.72	41.17	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The measurement results are as follows:

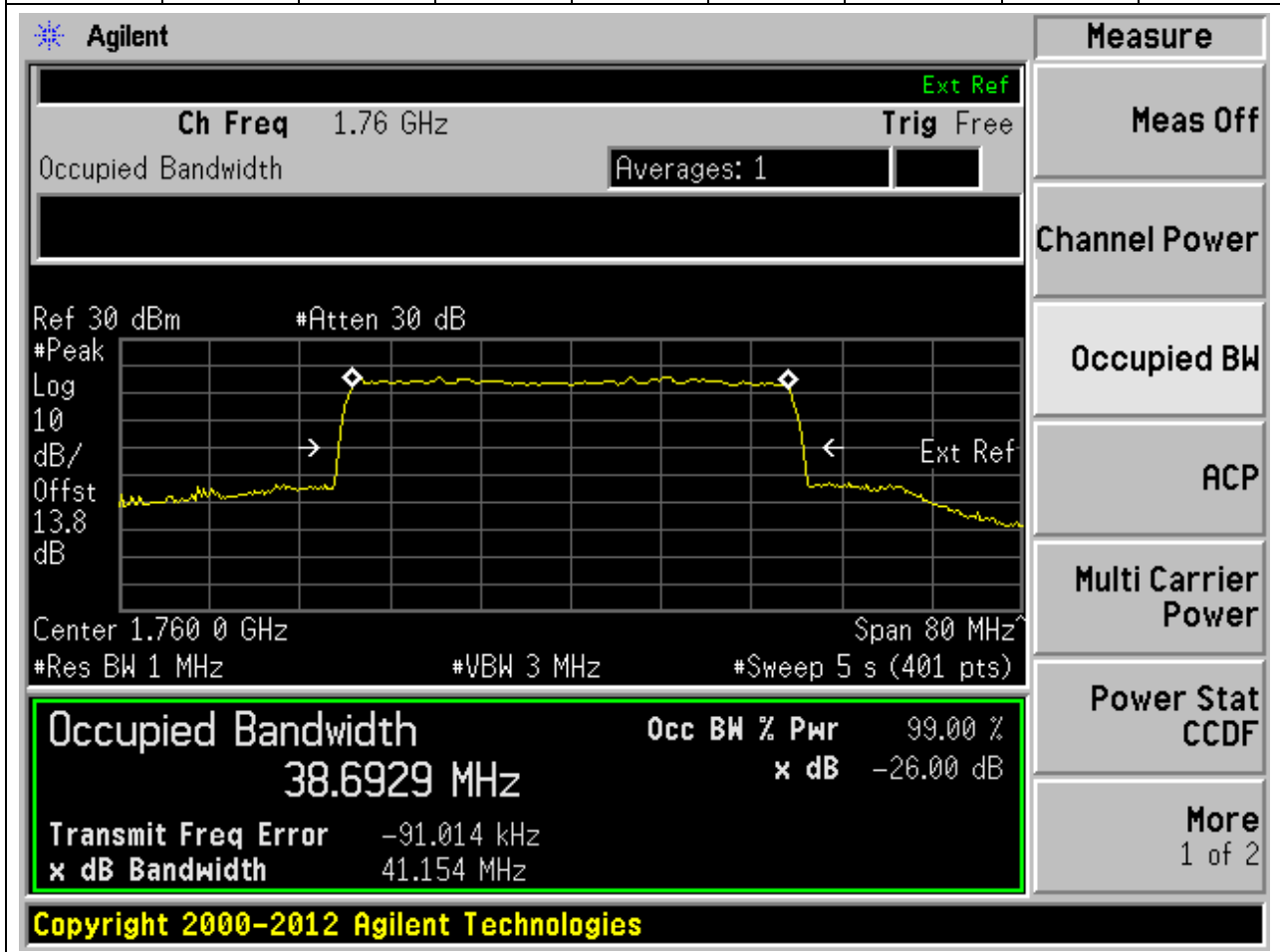
Measurement	Value
Occupied Bandwidth	38.7218 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-38.377 kHz
x dB Bandwidth	41.174 MHz

Additional parameters shown in the interface include: Ch Freq 1.745 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.9 dB, Center 1.745 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

4.84. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:352000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1760	99	26	1	Peak	38.69	41.15	40	Pass



--BLANK BELOW--