

4.15. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664000, Bandwidth:40, SCS:30, 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
3960	99	26	1	Peak	37.92	40.65	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	37.9207 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-51.642 kHz
x dB Bandwidth	40.652 MHz

Additional parameters shown in the interface include: Ch Freq 3.96 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.8 dB, Center 3.9600 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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4.16. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

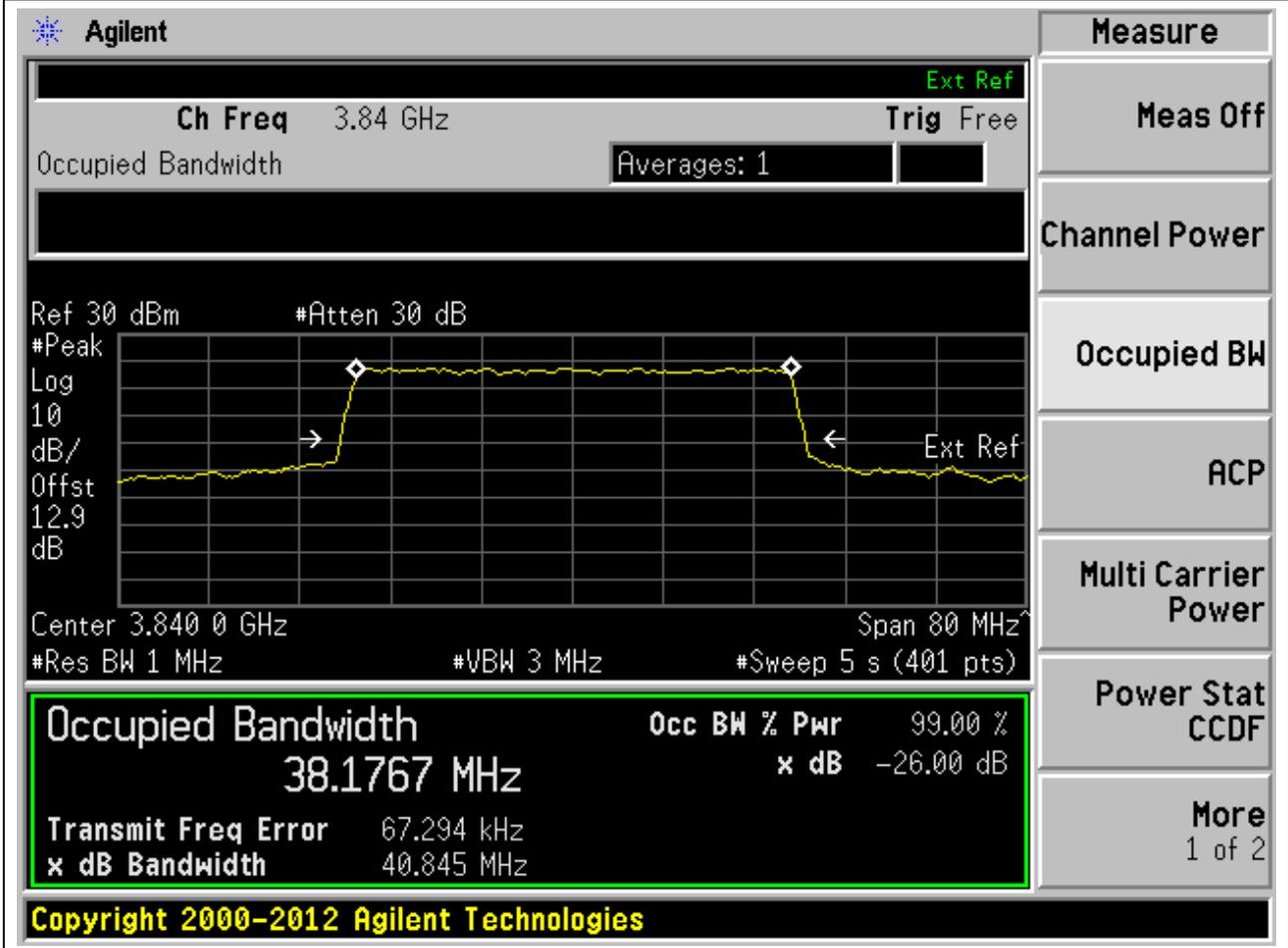
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.17	40.71	40	Pass

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 3.720 GHz with a span of 80 MHz. The vertical axis is labeled 'Log 10 dB/Offst 12.6 dB'. The horizontal axis is labeled 'Center 3.720 0 GHz' and 'Span 80 MHz'. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 38.1720 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 85.246 kHz and the 'x dB Bandwidth' is 40.710 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

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

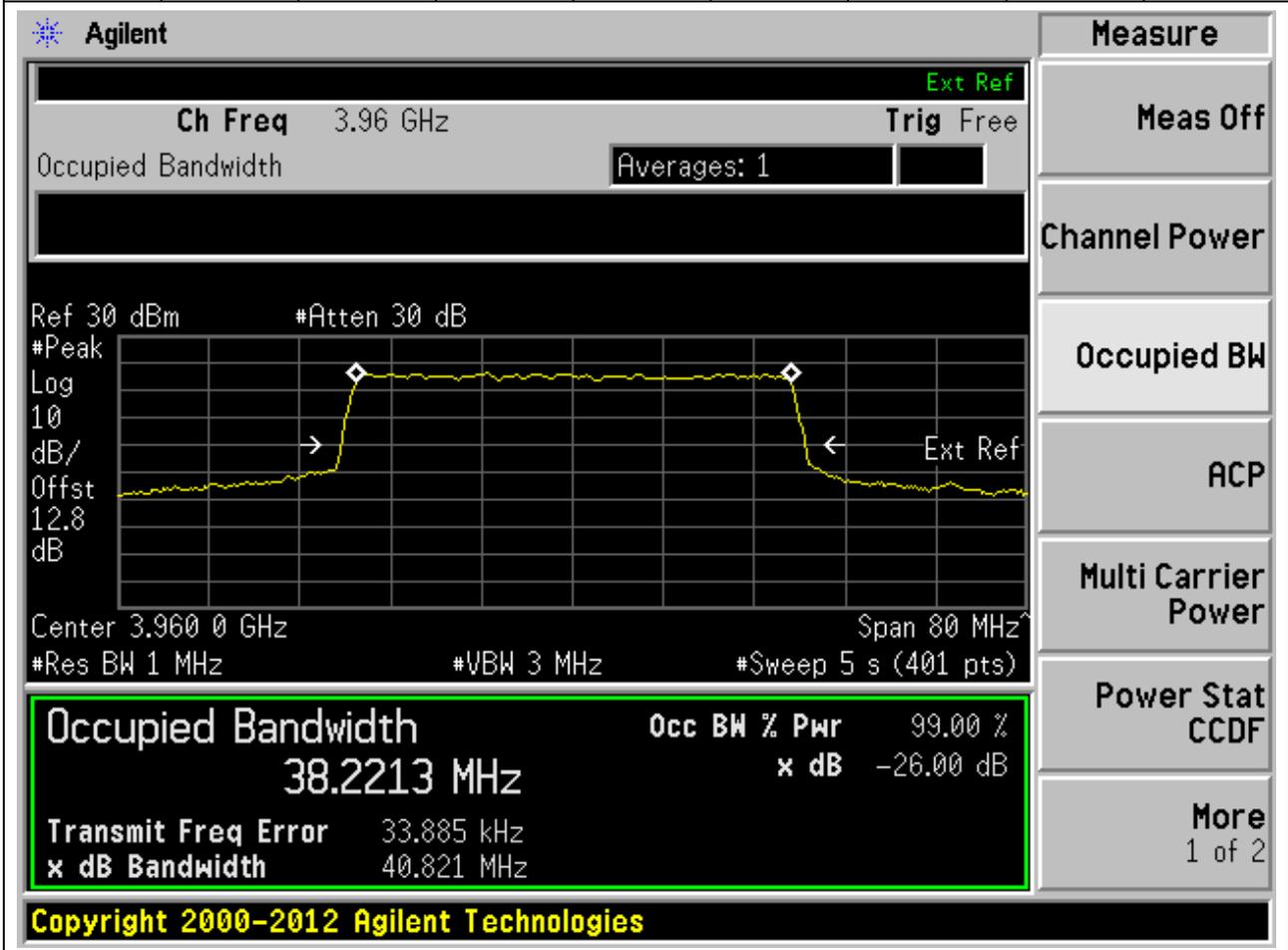
4.17. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	38.18	40.85	40	Pass



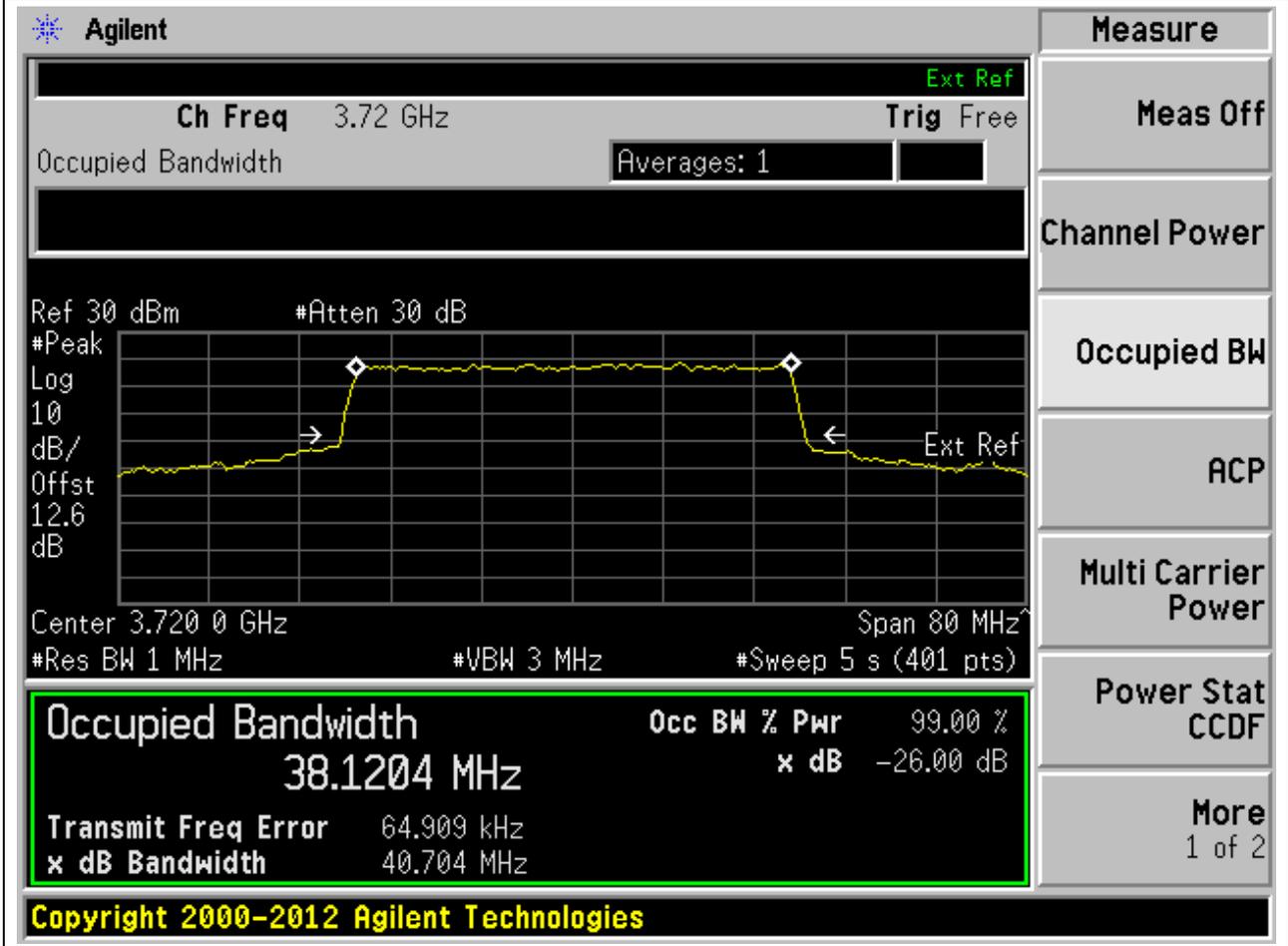
4.18. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3960	99	26	1	Peak	38.22	40.82	40	Pass



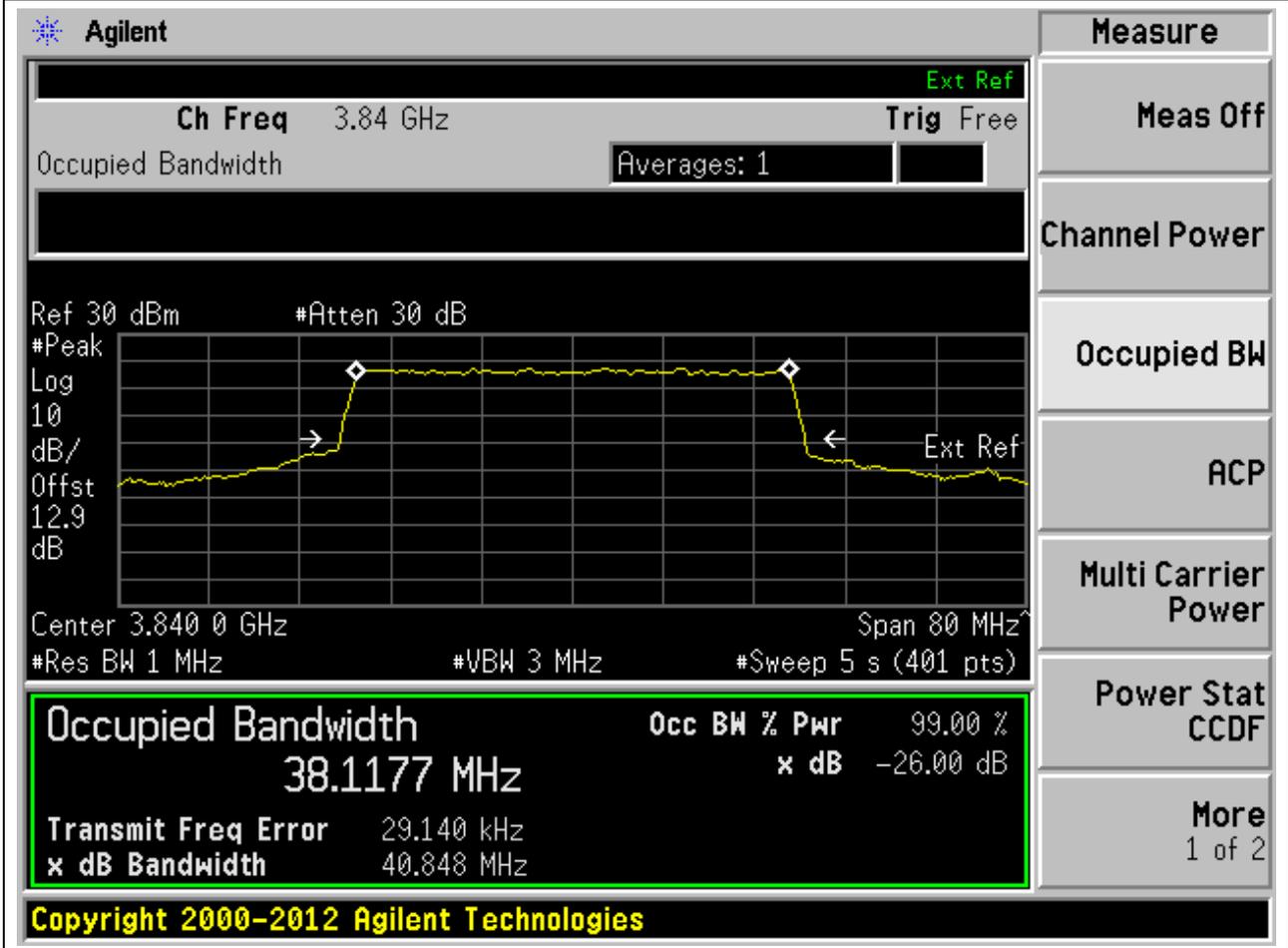
4.19. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.12	40.7	40	Pass



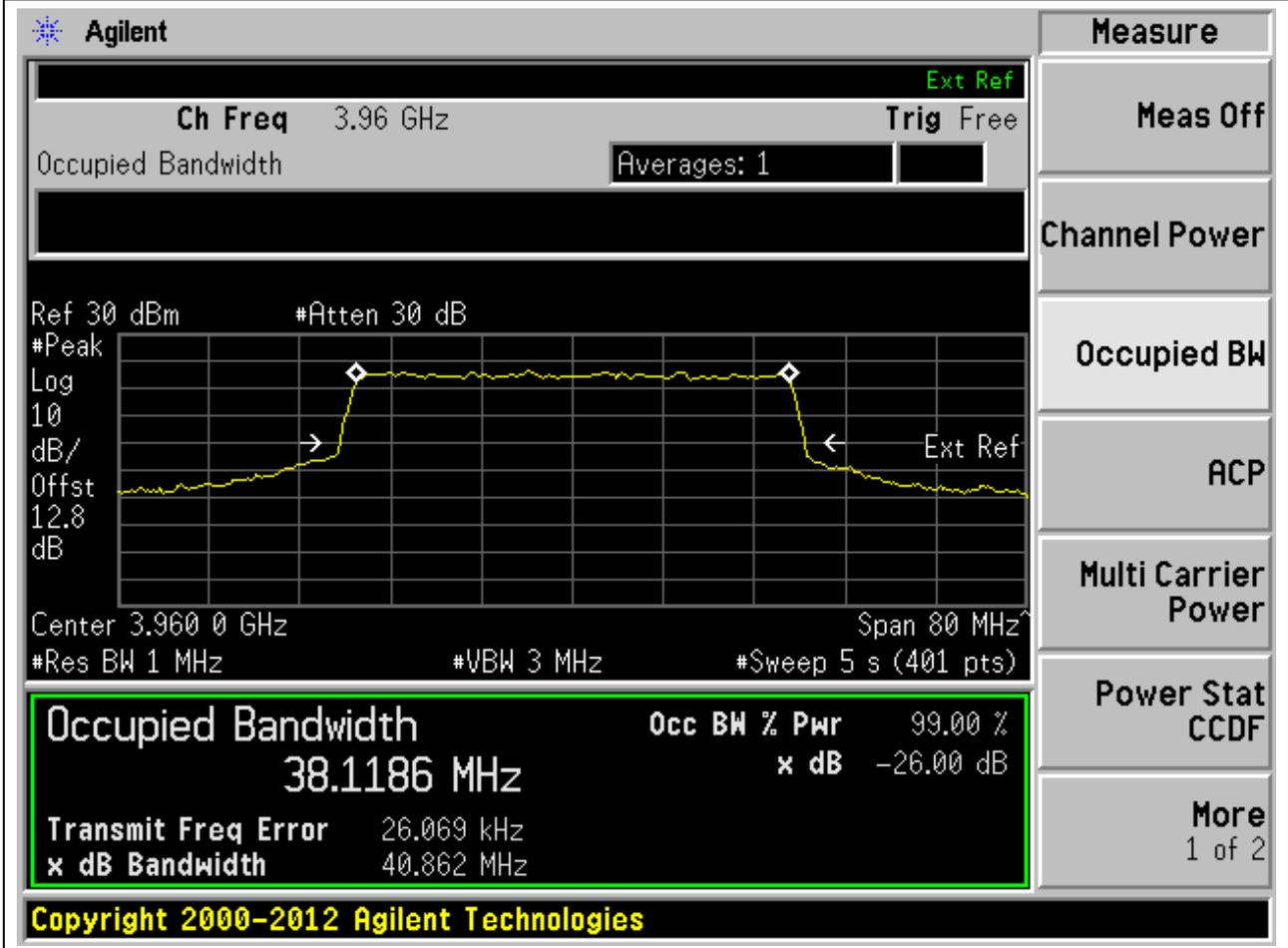
4.20. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	38.12	40.85	40	Pass



4.21. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664000, Bandwidth:40, SCS:30, 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
3960	99	26	1	Peak	38.12	40.86	40	Pass



4.22. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648000, Bandwidth:40, SCS:30, 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
3720	99	26	1	Peak	38.03	40.75	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 3.720 GHz and the span is 80 MHz. The occupied bandwidth is highlighted as 38.0302 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.0302 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -29.133 kHz
x dB Bandwidth: 40.747 MHz

4.23. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:40, SCS:30, 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
3840	99	26	1	Peak	38.04	40.73	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:

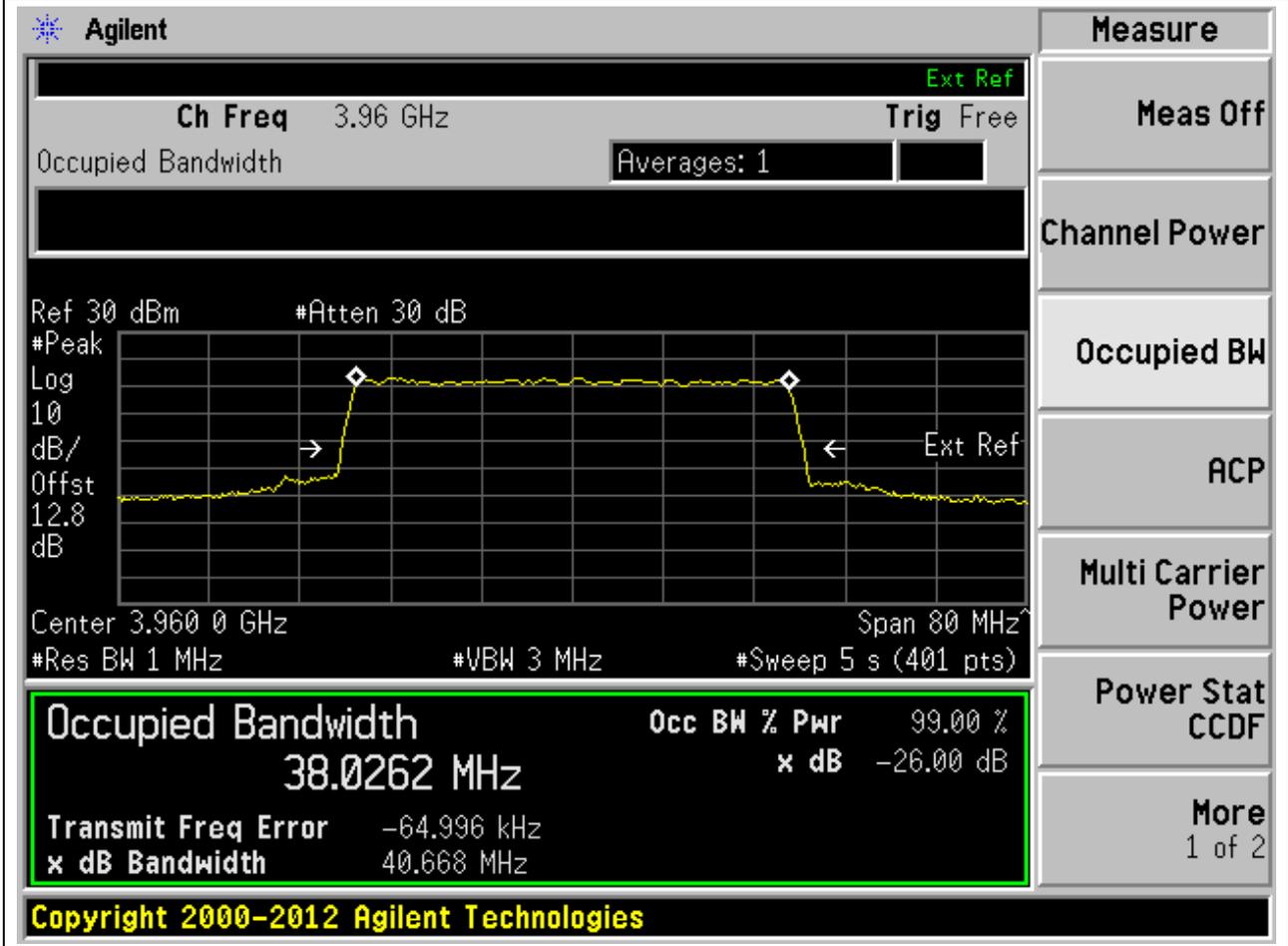
Measurement	Value
Occupied Bandwidth	38.0441 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-53.874 kHz
x dB Bandwidth	40.729 MHz

Additional parameters shown in the interface include: Ch Freq 3.84 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.9 dB, Center 3.840 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).

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4.24. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664000, Bandwidth:40, SCS:30, 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
3960	99	26	1	Peak	38.03	40.67	40	Pass



4.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, 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
3725.01	99	26	1	Peak	47.54	50.26	50	Pass

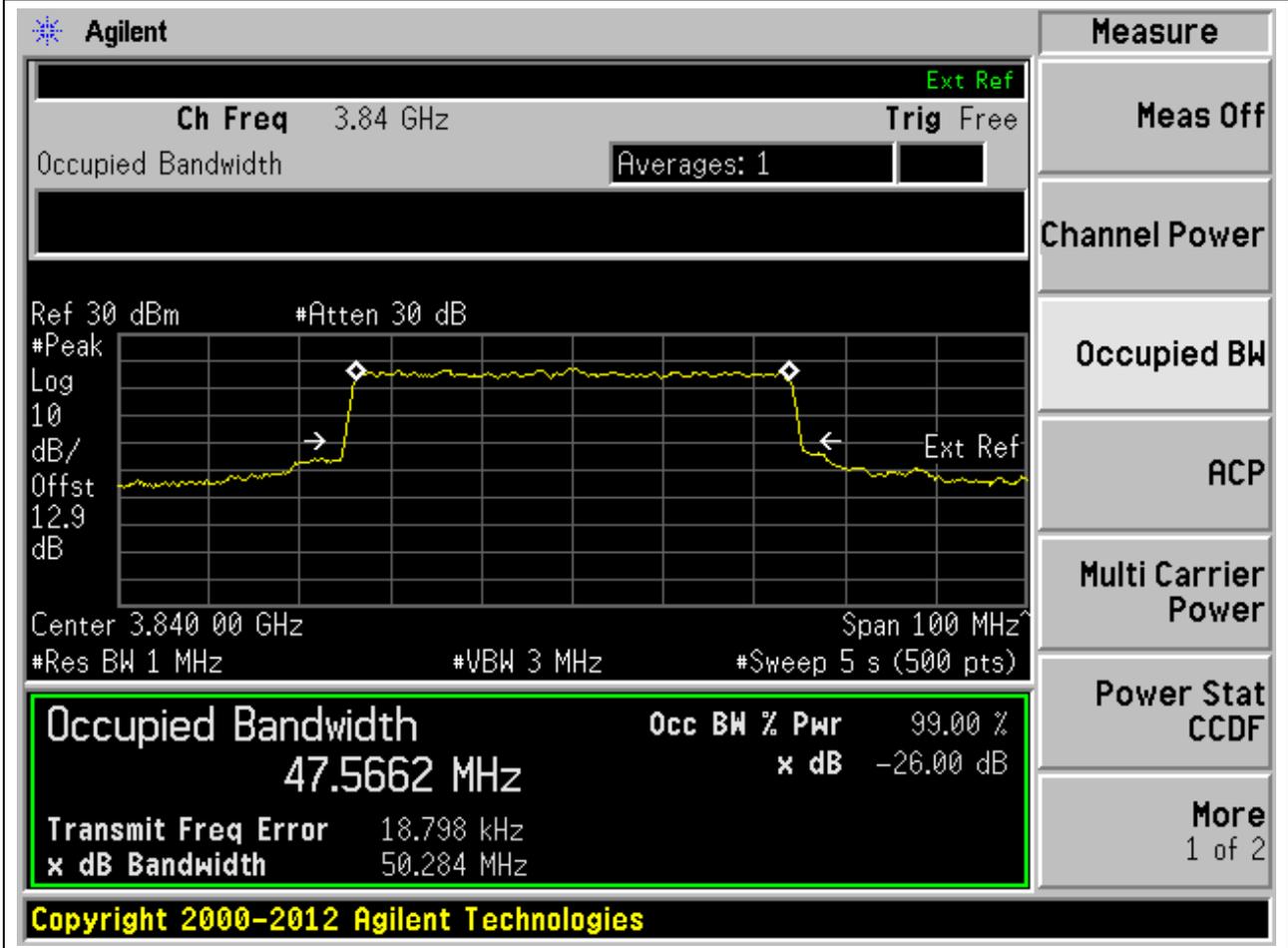
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.72501 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.5441 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface 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
47.5441 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 44.360 kHz
 x dB Bandwidth: 50.261 MHz

4.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	47.57	50.28	50	Pass



4.27. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663666, 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
3954.99	99	26	1	Peak	47.54	50.3	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.95499 GHz. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 12.8 dB'. The x-axis is labeled 'Center 3.954 99 GHz' and 'Span 100 MHz'. The plot shows a signal with a peak at approximately 3.95499 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 47.5375 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -384.467 Hz and the 'x dB Bandwidth' is 50.298 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.5375 MHz	99.00 %	-26.00 dB

4.28. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, 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
3725.01	99	26	1	Peak	47.66	50.29	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 3.72501 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.6613 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak. The upper limit is 50 MHz. The verdict is Pass.

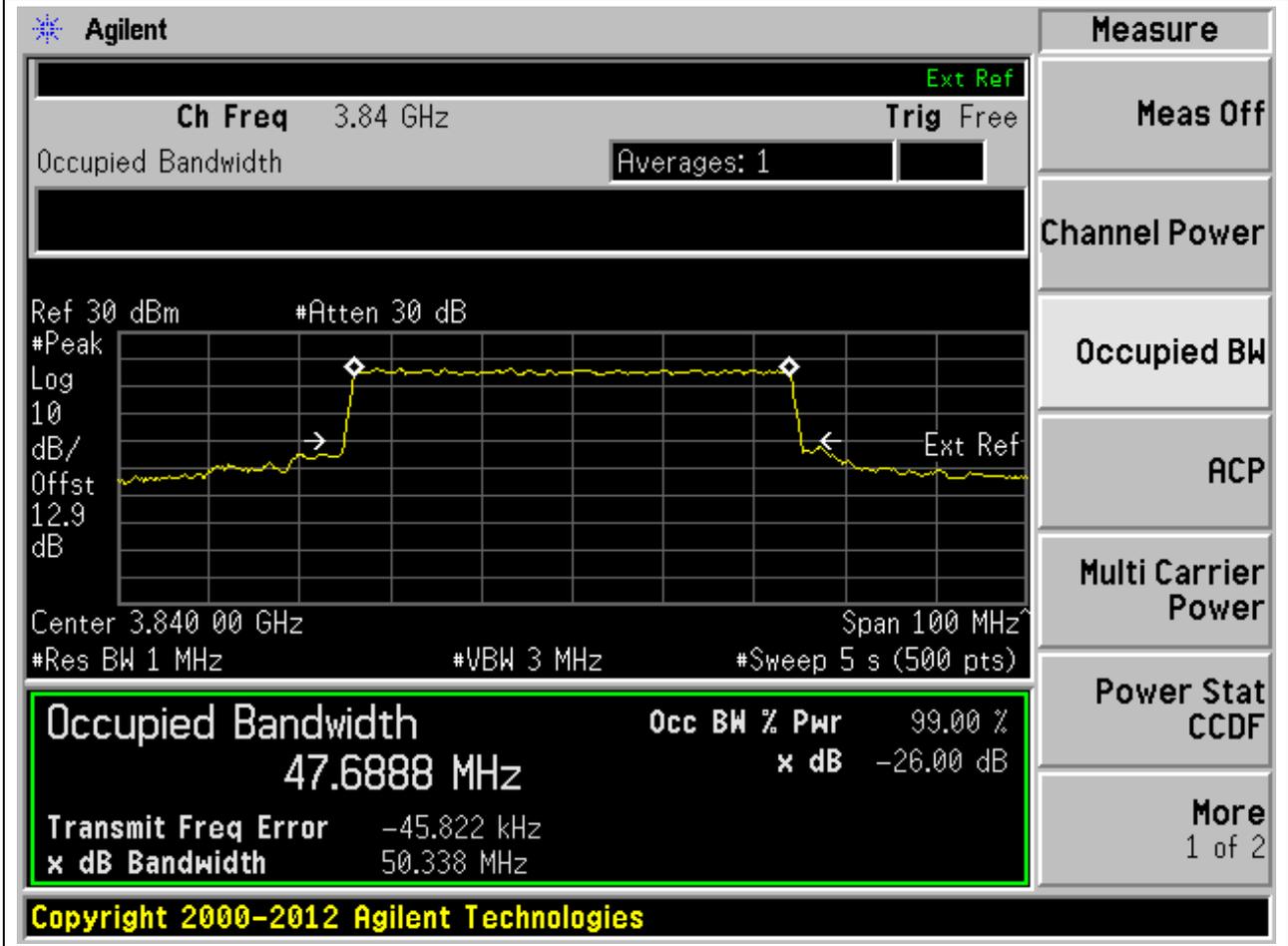
Occupied Bandwidth	Occ BW % Pwr	x dB
47.6613 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.72501 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.6 dB, Center 3.725 01 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (500 pts), Transmit Freq Error -30.168 kHz, x dB Bandwidth 50.295 MHz.

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4.29. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	47.69	50.34	50	Pass



4.30. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663666, 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
3954.99	99	26	1	Peak	47.67	50.36	50	Pass

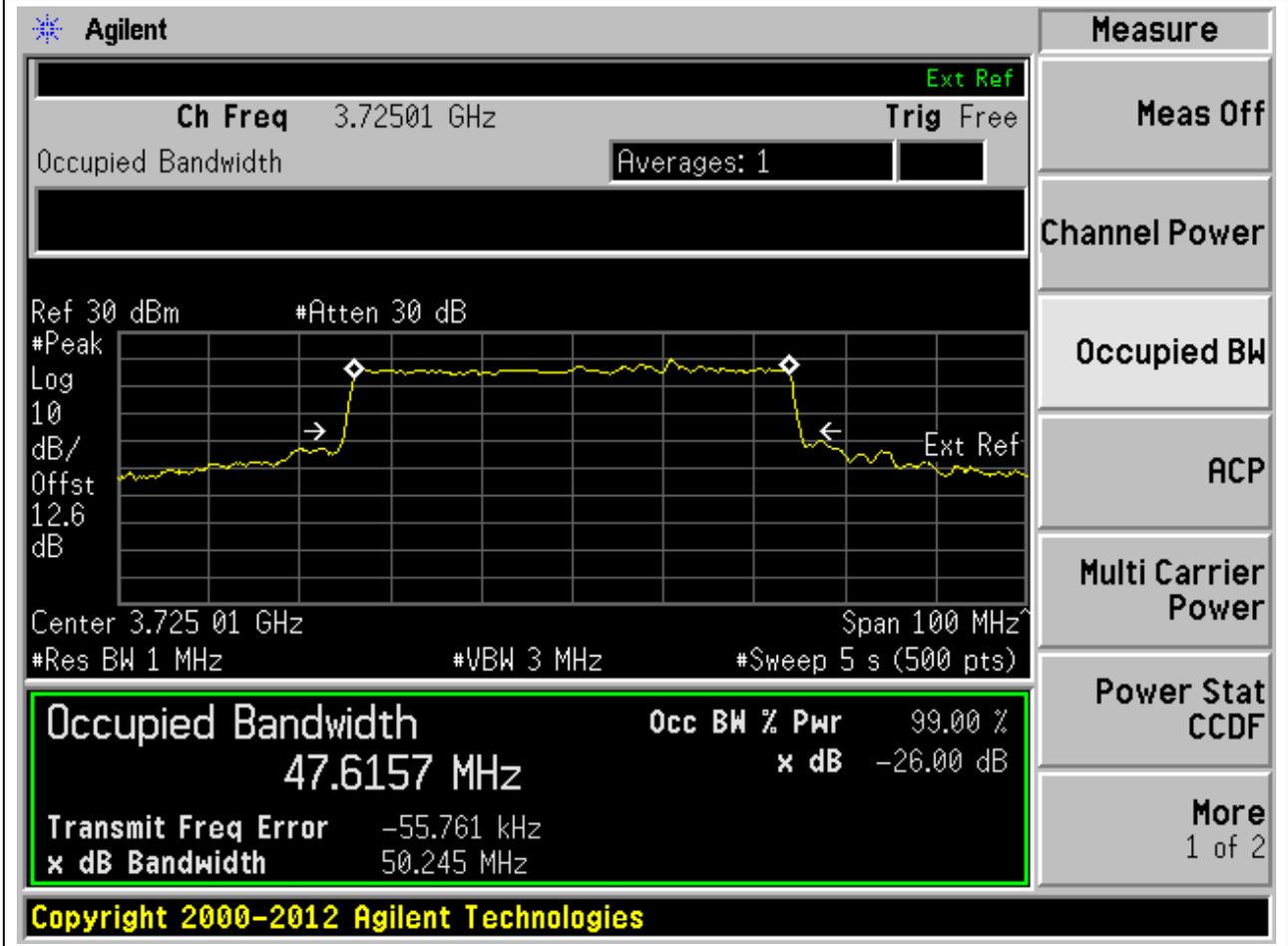
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.95499 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.6725 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak, and the RBW is 3 MHz. The sweep time is 5 s (500 pts). The interface 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
47.6725 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -62.475 kHz
 x dB Bandwidth: 50.357 MHz

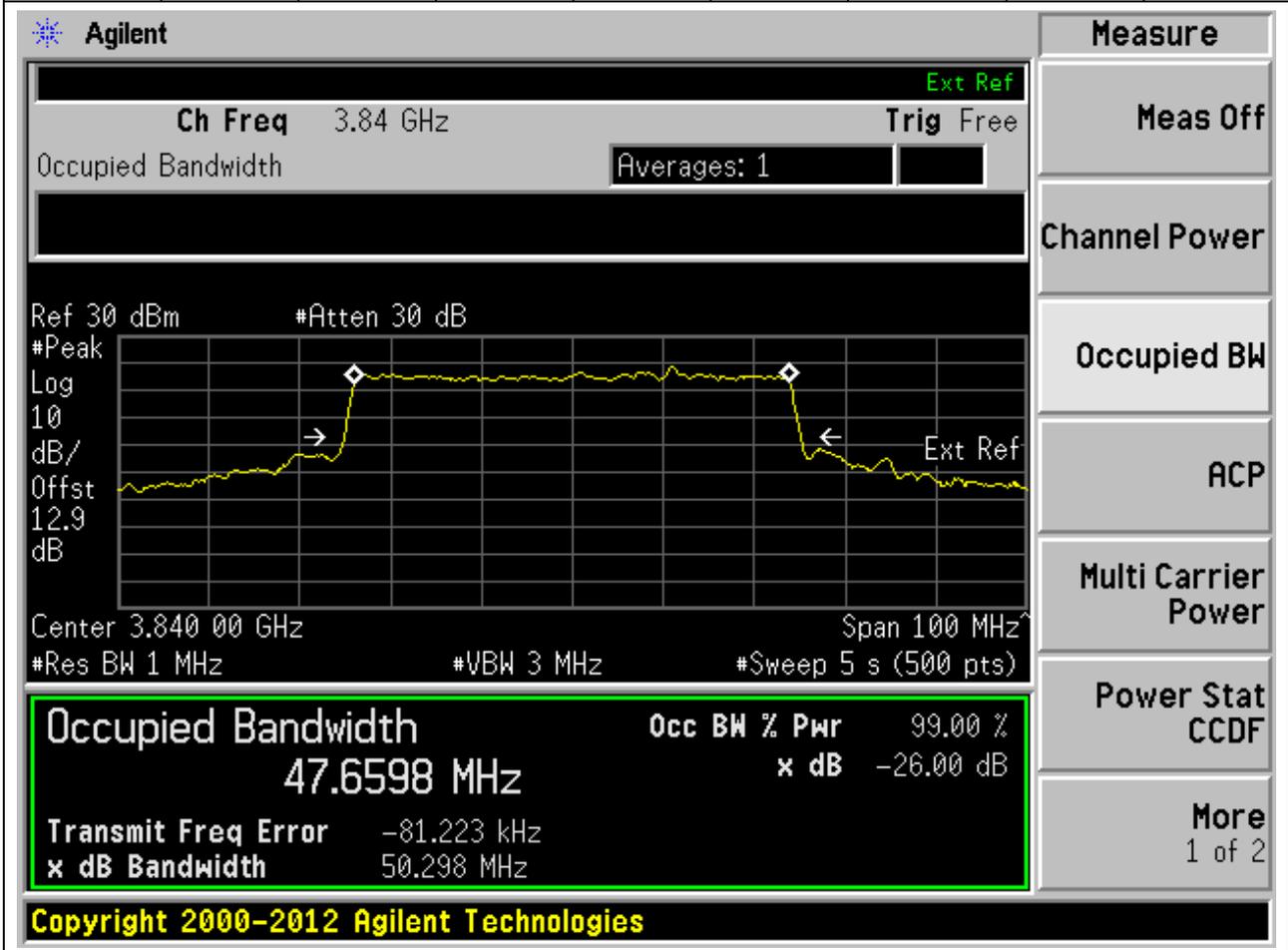
4.31. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3725.01	99	26	1	Peak	47.62	50.24	50	Pass



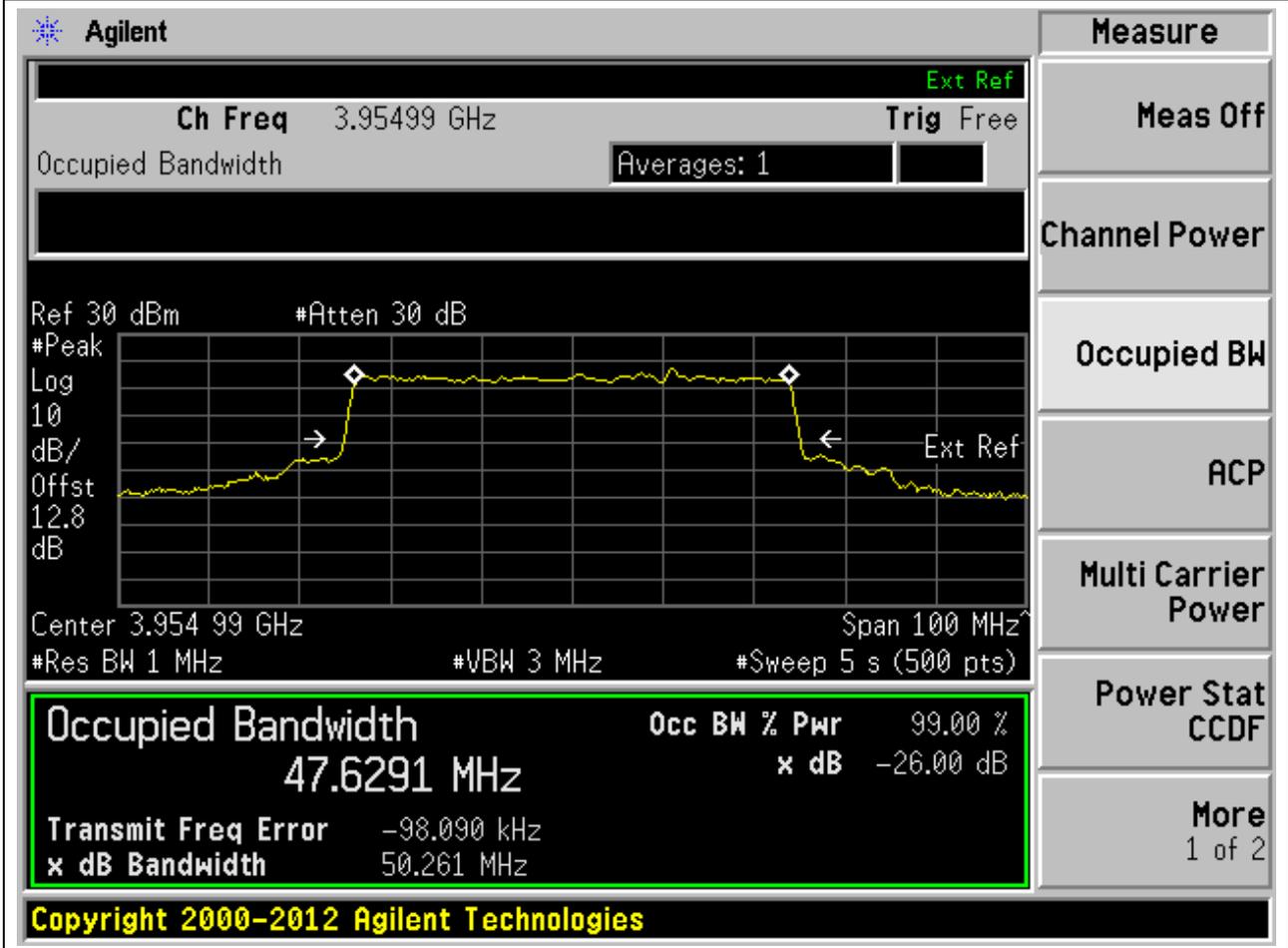
4.32. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	47.66	50.3	50	Pass



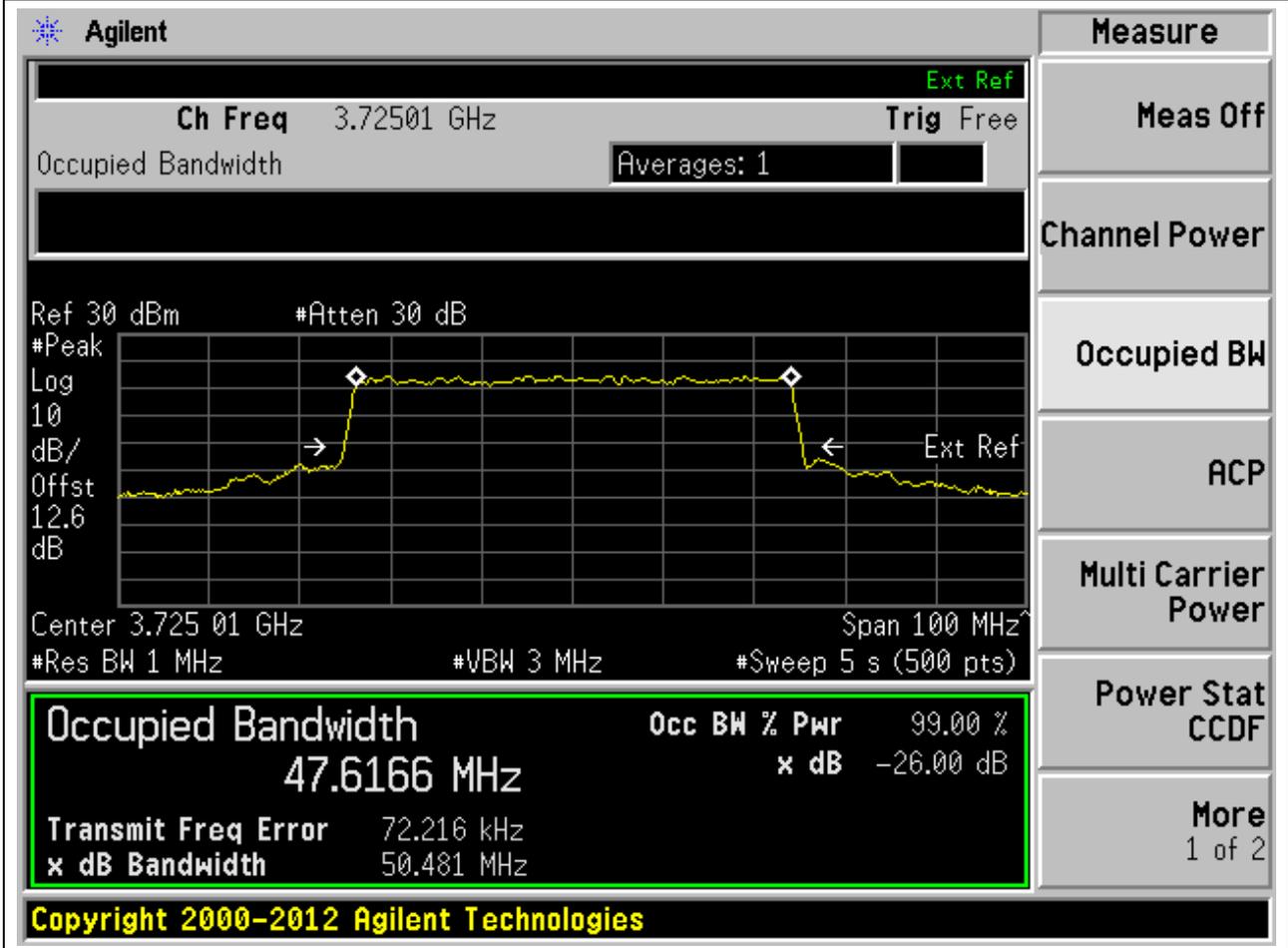
4.33. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3954.99	99	26	1	Peak	47.63	50.26	50	Pass



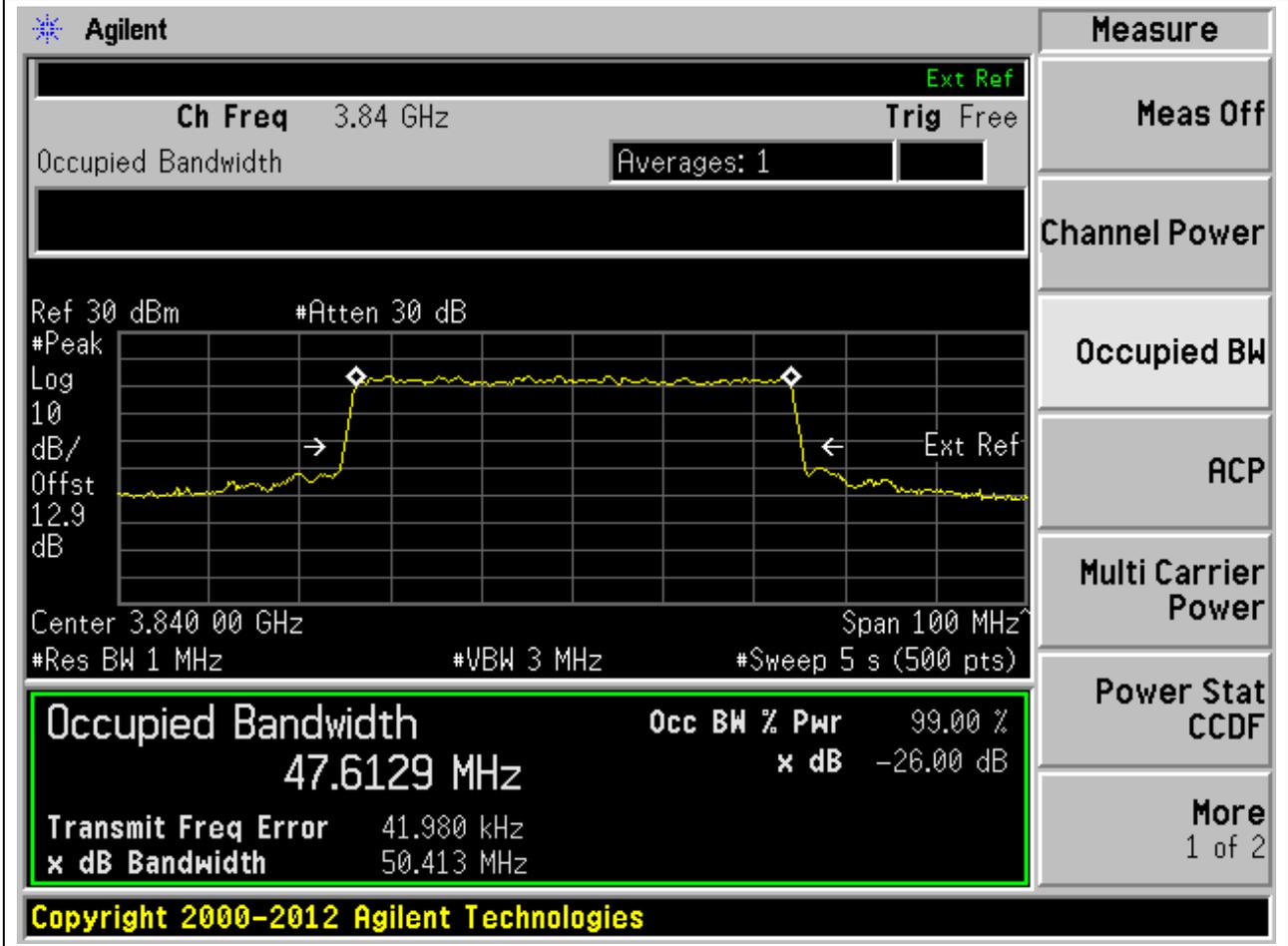
4.34. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3725.01	99	26	1	Peak	47.62	50.48	50	Pass



4.35. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	47.61	50.41	50	Pass



4.36. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663666, 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
3954.99	99	26	1	Peak	47.6	50.45	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 3.95499 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.6015 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
47.6015 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 29.337 kHz
x dB Bandwidth: 50.449 MHz

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4.37. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, 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
3730.02	99	26	1	Peak	57.79	60.76	60	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 3.73002 GHz with a span of 120 MHz. The resolution bandwidth (RBW) is 3 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 600 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 57.789 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 1.629 kHz. The x dB bandwidth is 60.762 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'.

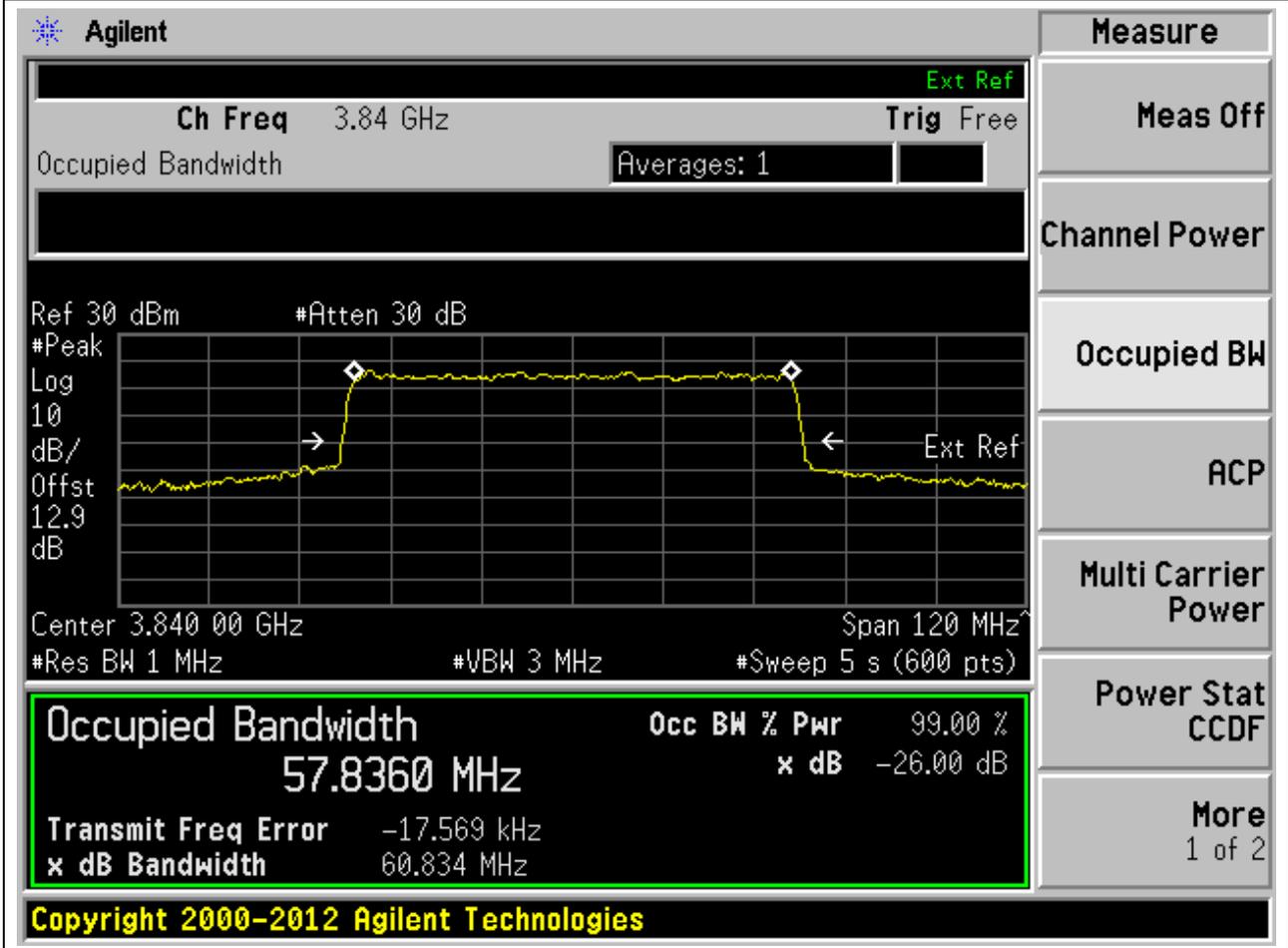
Occupied Bandwidth	Occ BW % Pwr	x dB
57.789 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 1.629 kHz
x dB Bandwidth: 60.762 MHz

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4.38. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	57.84	60.83	60	Pass



4.39. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663332, 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
3949.98	99	26	1	Peak	57.81	60.88	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 3.94998 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted in a green box as 57.8139 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
57.8139 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.94998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.9 dB, Center 3.949 98 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts), Transmit Freq Error -40.093 kHz, and x dB Bandwidth 60.876 MHz.

4.40. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, 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
3730.02	99	26	1	Peak	57.78	61.14	60	Pass

Agilent

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

Ch Freq 3.73002 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 12.7
 dB

Center 3.730 02 GHz
Span 120 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.7793 MHz	x dB -26.00 dB
Transmit Freq Error	51.067 kHz
x dB Bandwidth	61.141 MHz

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4.41. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	57.82	60.95	60	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 3.840 GHz with a span of 120 MHz. The vertical axis is labeled 'Log 10 dB/Offst 12.9 dB'. The horizontal axis is labeled 'Center 3.840 00 GHz' and 'Span 120 MHz'. 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 57.8220 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 25.633 kHz and the 'x dB Bandwidth' is 60.946 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
57.8220 MHz	99.00 %	-26.00 dB

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4.42. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663332, 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
3949.98	99	26	1	Peak	57.78	60.96	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:

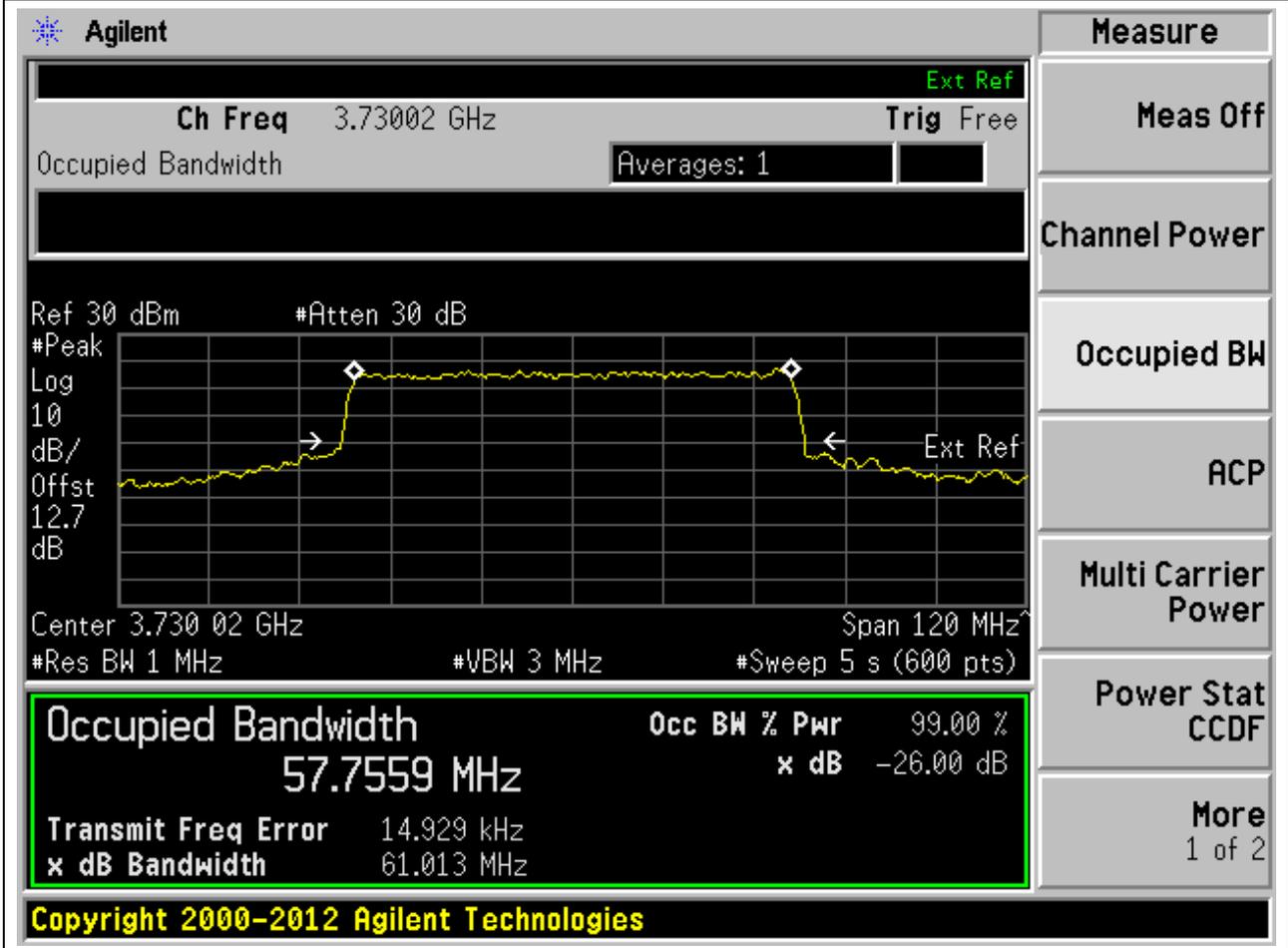
Measurement	Value
Occupied Bandwidth	57.7814 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	23.844 kHz
x dB Bandwidth	60.962 MHz

Additional parameters shown in the interface include: Ch Freq 3.94998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.9 dB, Center 3.949 98 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

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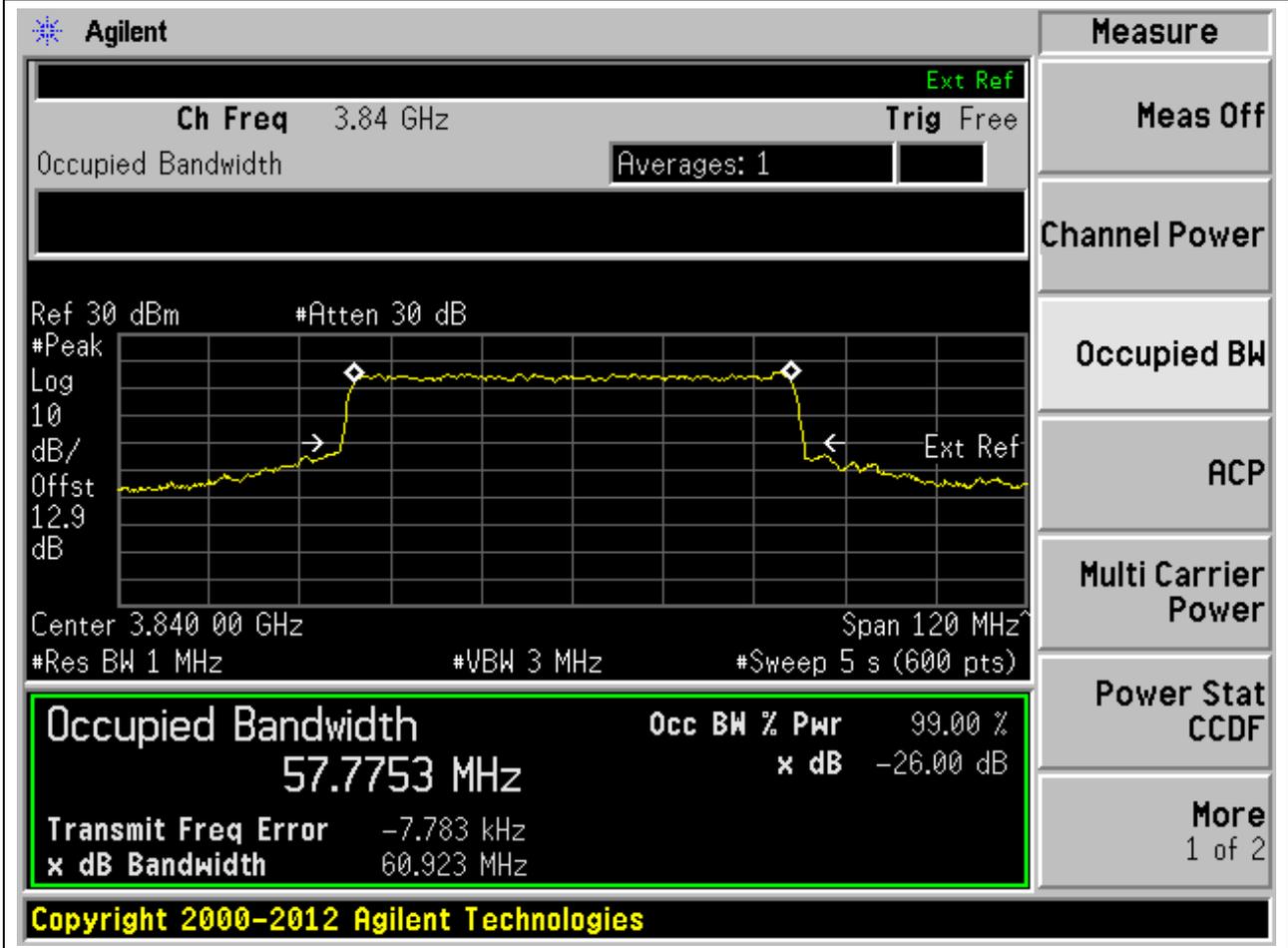
4.43. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3730.02	99	26	1	Peak	57.76	61.01	60	Pass



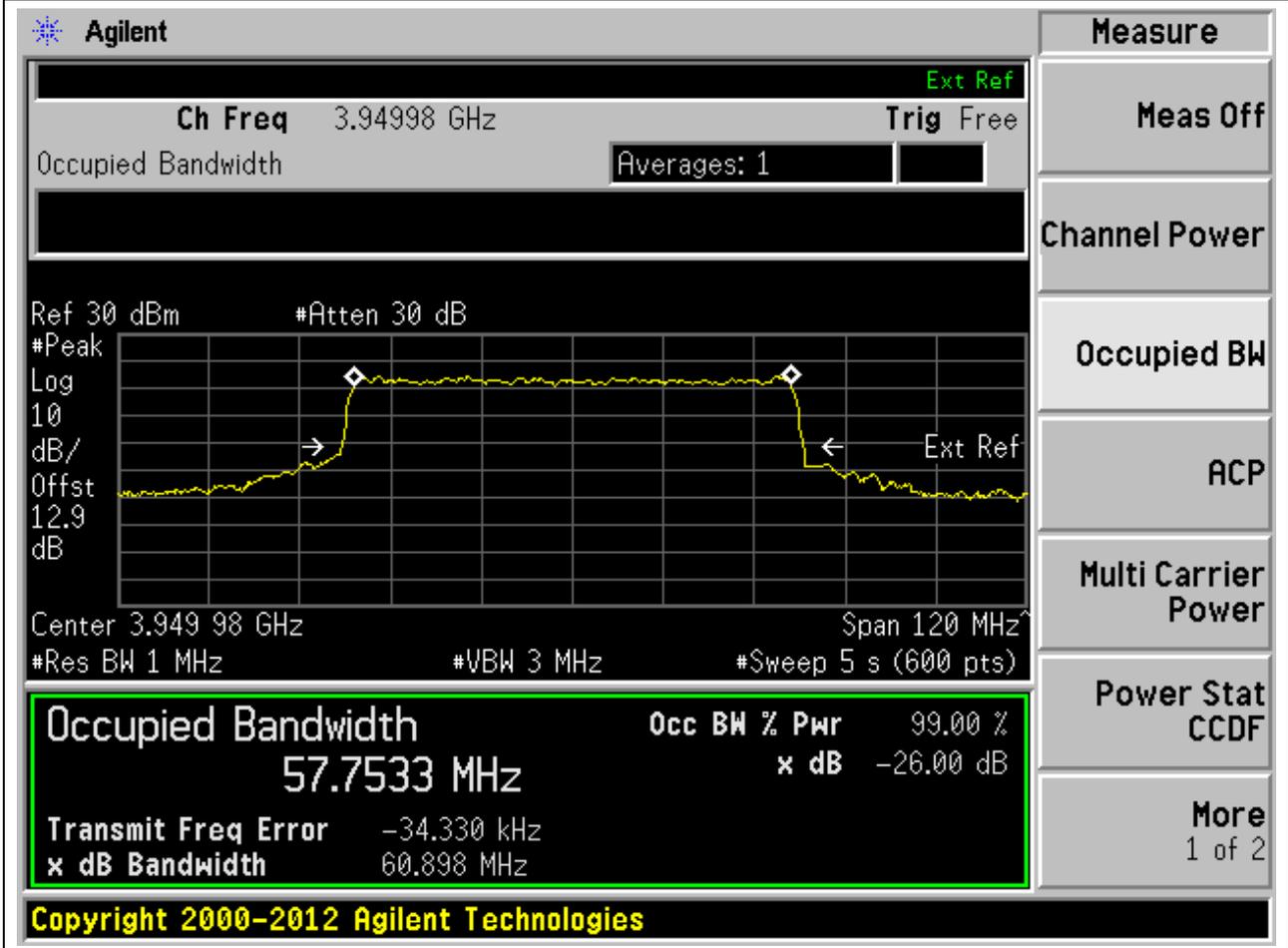
4.44. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	57.78	60.92	60	Pass



4.45. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663332, 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
3949.98	99	26	1	Peak	57.75	60.9	60	Pass



4.46. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, 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
3730.02	99	26	1	Peak	57.94	60.73	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 3.73002 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted in green as 57.9391 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
57.9391 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.73002 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.7 dB, Center 3.730 02 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts), Transmit Freq Error -129.599 kHz, x dB Bandwidth 60.726 MHz.

4.47. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	57.99	60.8	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 3.84 GHz, and the span is 120 MHz. The occupied bandwidth is measured as 57.9912 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak. The upper limit is 60 MHz. The verdict is Pass.

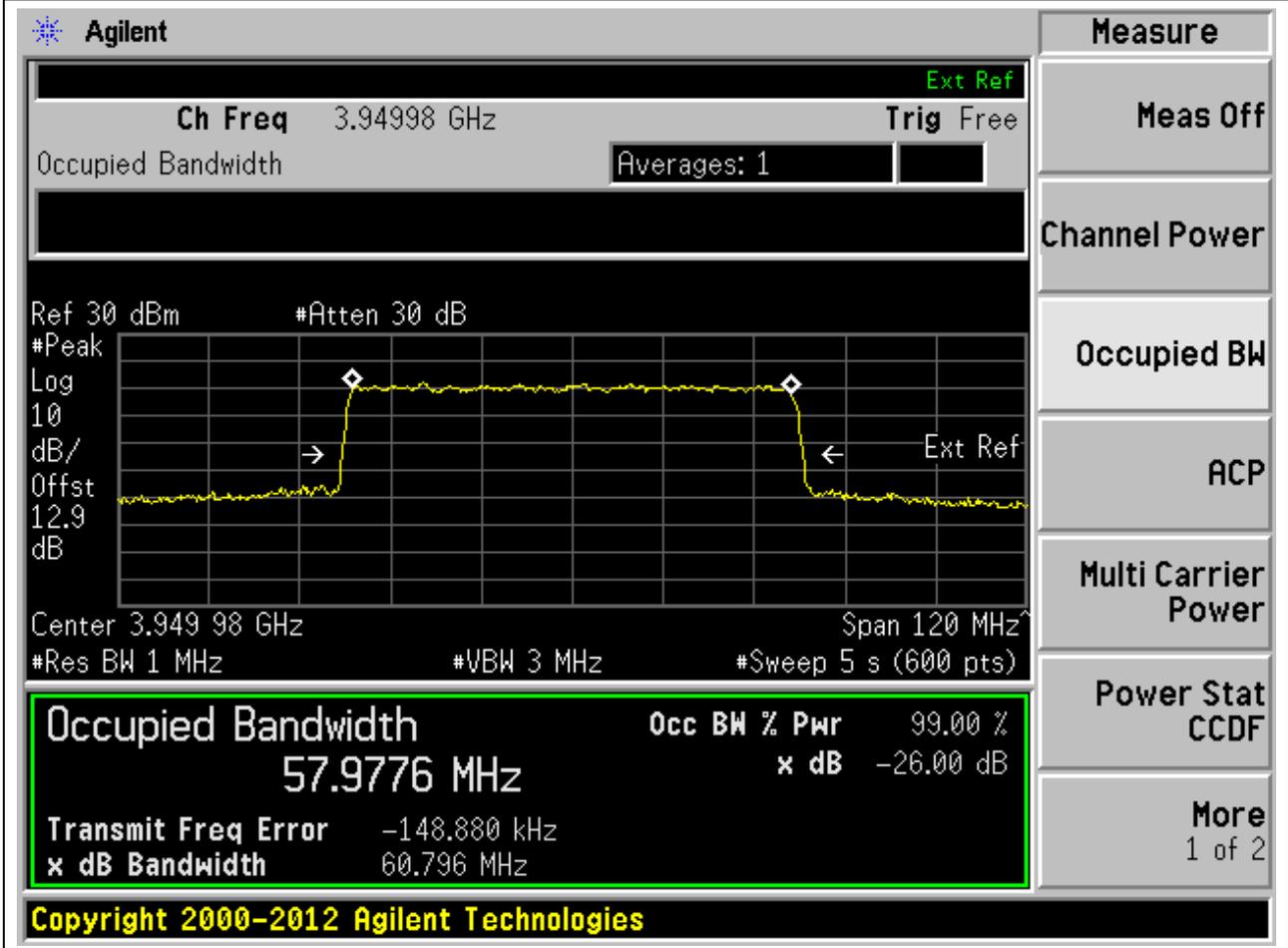
Occupied Bandwidth	Occ BW % Pwr	x dB
57.9912 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.84 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.9 dB, Center 3.840 00 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts), Transmit Freq Error -143.789 kHz, x dB Bandwidth 60.800 MHz.

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4.48. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663332, 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
3949.98	99	26	1	Peak	57.98	60.8	60	Pass



4.49. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, 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
3740.01	99	26	1	Peak	77.44	80.76	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 3.74001 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4398 MHz. The power is 99.00% and the XdB bandwidth is 80.764 MHz. The XdB down is -26.00 dB. The transmit frequency error is 67.708 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
77.4398 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 67.708 kHz
x dB Bandwidth: 80.764 MHz

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4.50. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	77.47	80.77	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 3.84 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.478 MHz. The power is 99.00% and the XdB bandwidth is 80.767 MHz. The XdB down is -26.00 dB. The transmit frequency error is -29.305 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'.

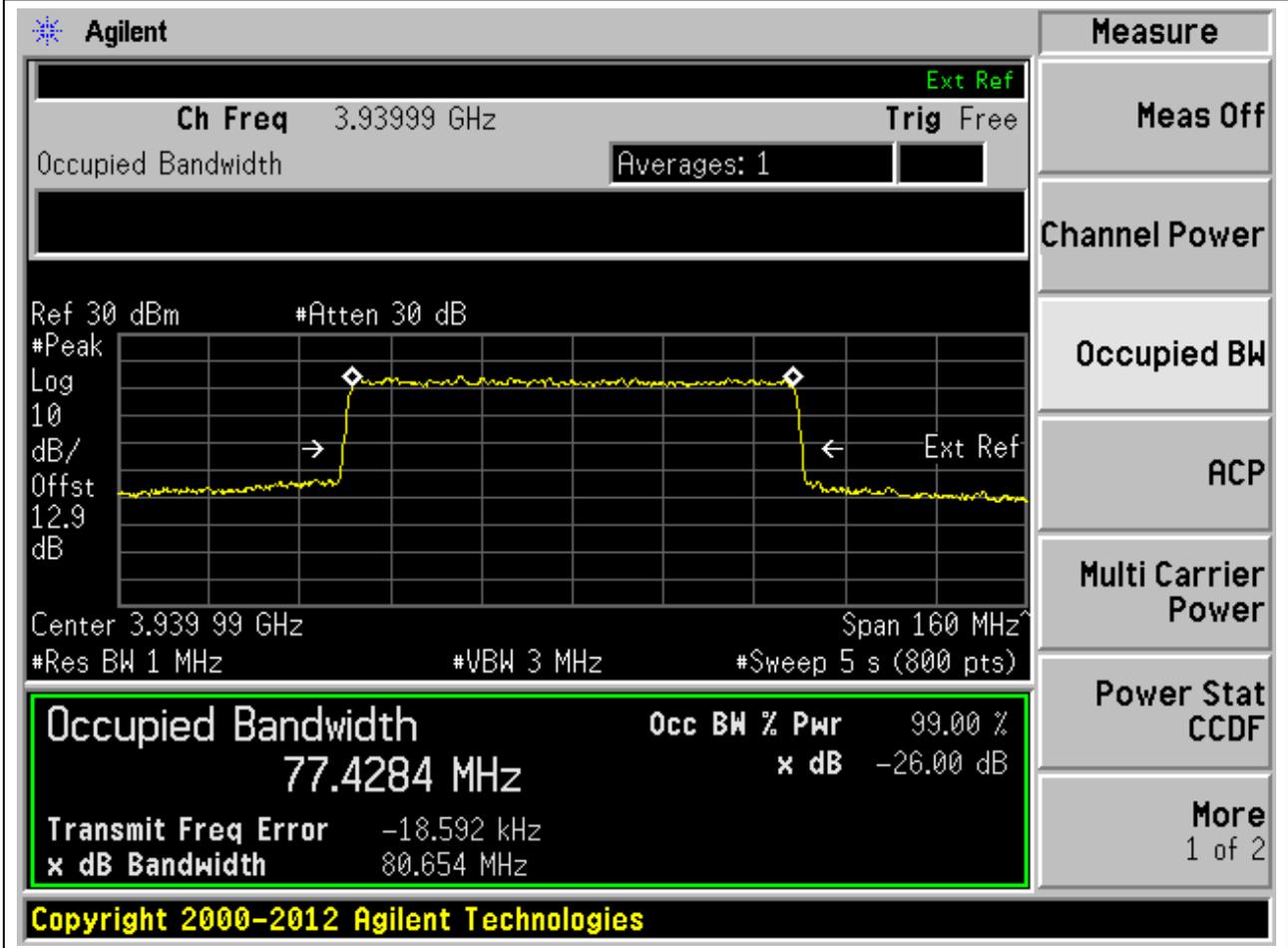
Occupied Bandwidth	Occ BW % Pwr	x dB
77.478 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -29.305 kHz
x dB Bandwidth: 80.767 MHz

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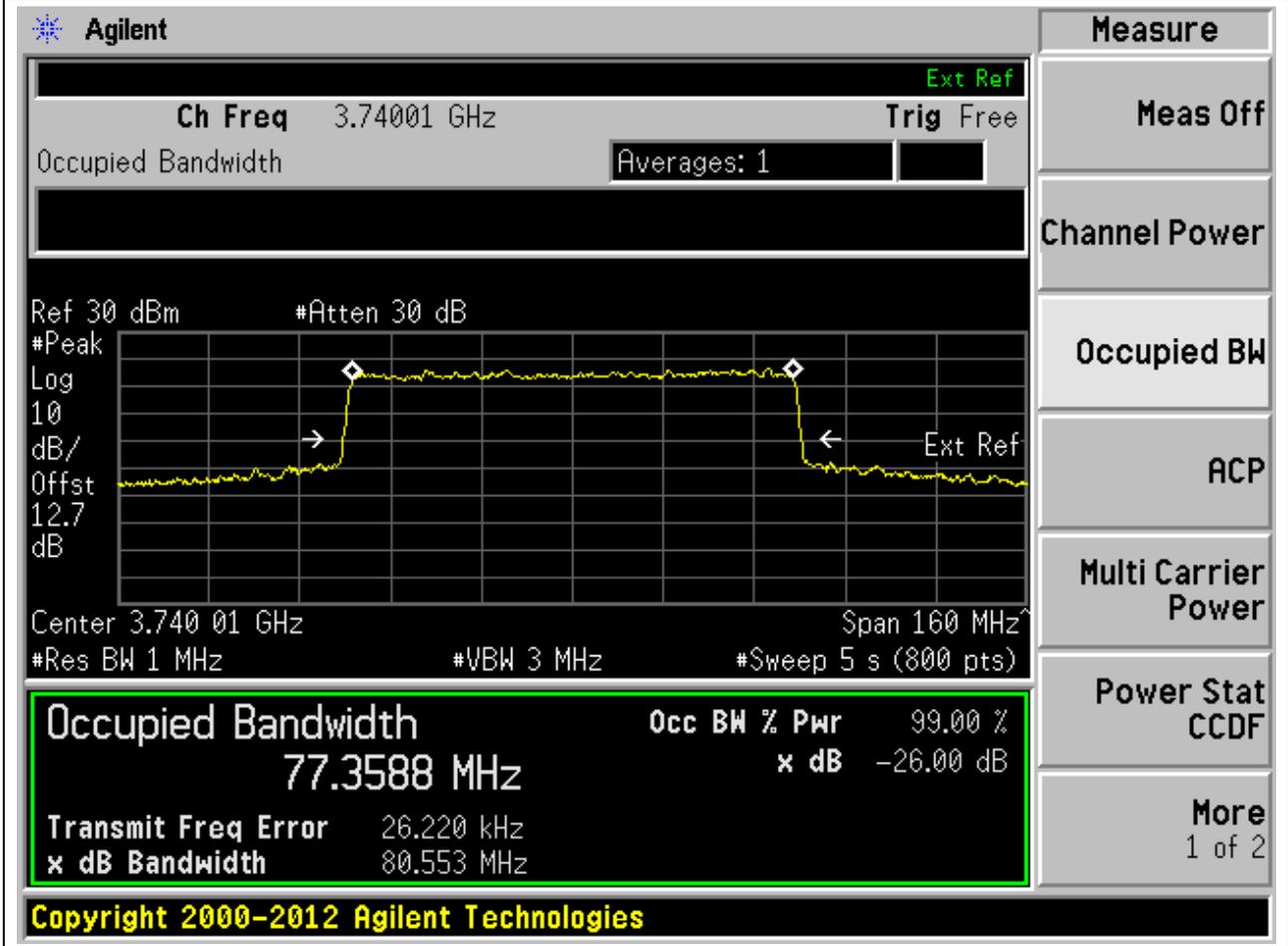
4.51. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662666, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3939.99	99	26	1	Peak	77.43	80.65	80	Pass



4.52. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, 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
3740.01	99	26	1	Peak	77.36	80.55	80	Pass



4.53. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	77.41	80.53	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 3.84 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4051 MHz. The power is 99.00% and the XdB bandwidth is 80.532 MHz. The XdB down is -26.00 dB. The transmit frequency error is -40.091 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
77.4051 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -40.091 kHz
x dB Bandwidth: 80.532 MHz

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4.54. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662666, 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
3939.99	99	26	1	Peak	77.32	80.59	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 3.93999 GHz. The occupied bandwidth is measured as 77.3158 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The plot also shows a reference level at 30 dBm and an attenuation of 30 dB. The measurement parameters include a resolution bandwidth of 1 MHz, a video bandwidth of 3 MHz, and a sweep time of 5 seconds (800 points).

Occupied Bandwidth	Occ BW % Pwr	x dB
77.3158 MHz	99.00 %	-26.00 dB

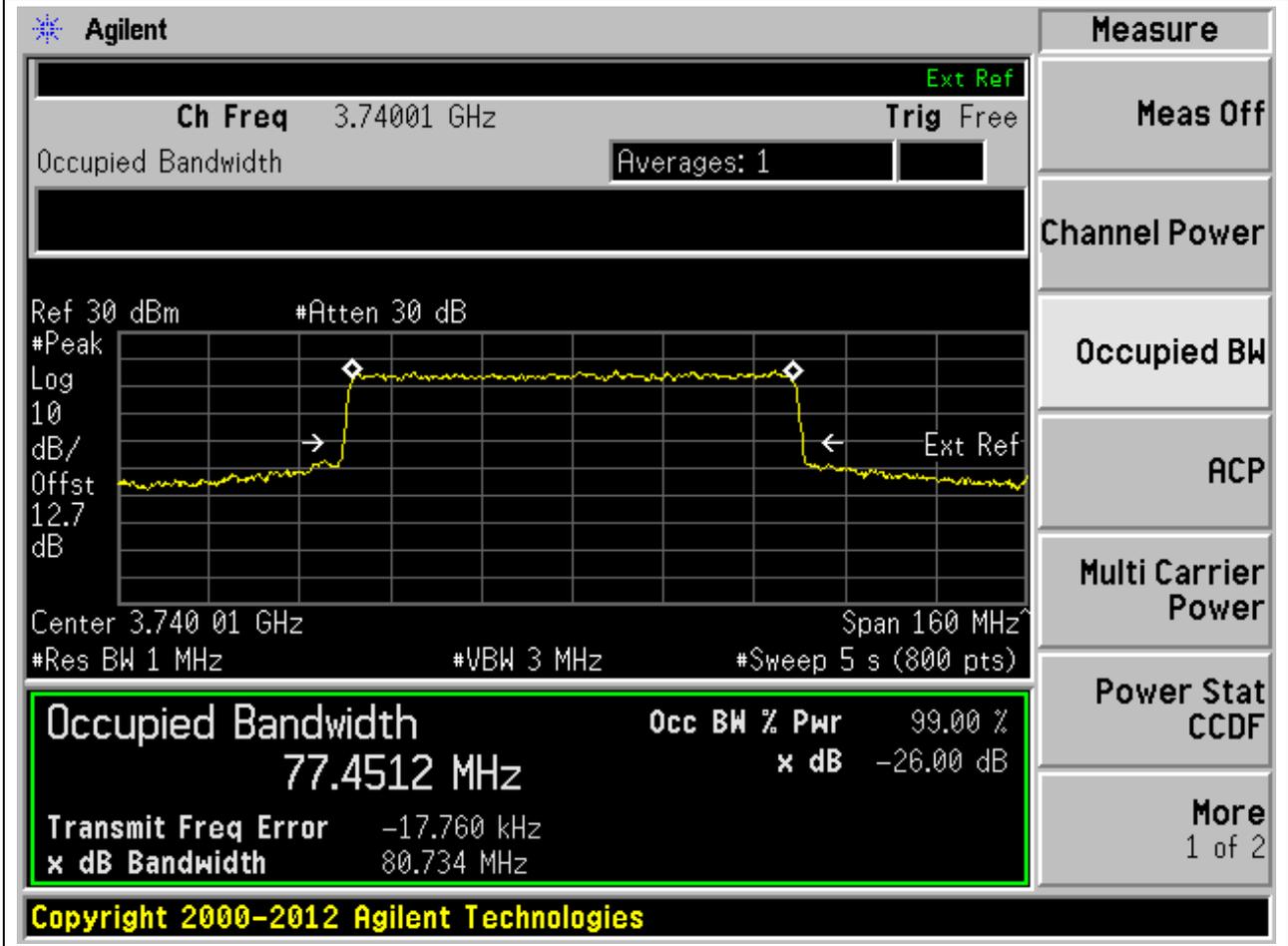
Additional parameters shown in the screenshot:

- Center: 3.939 99 GHz
- Span: 160 MHz
- #Res BW: 1 MHz
- #VBW: 3 MHz
- #Sweep: 5 s (800 pts)
- Transmit Freq Error: -63.087 kHz
- x dB Bandwidth: 80.592 MHz

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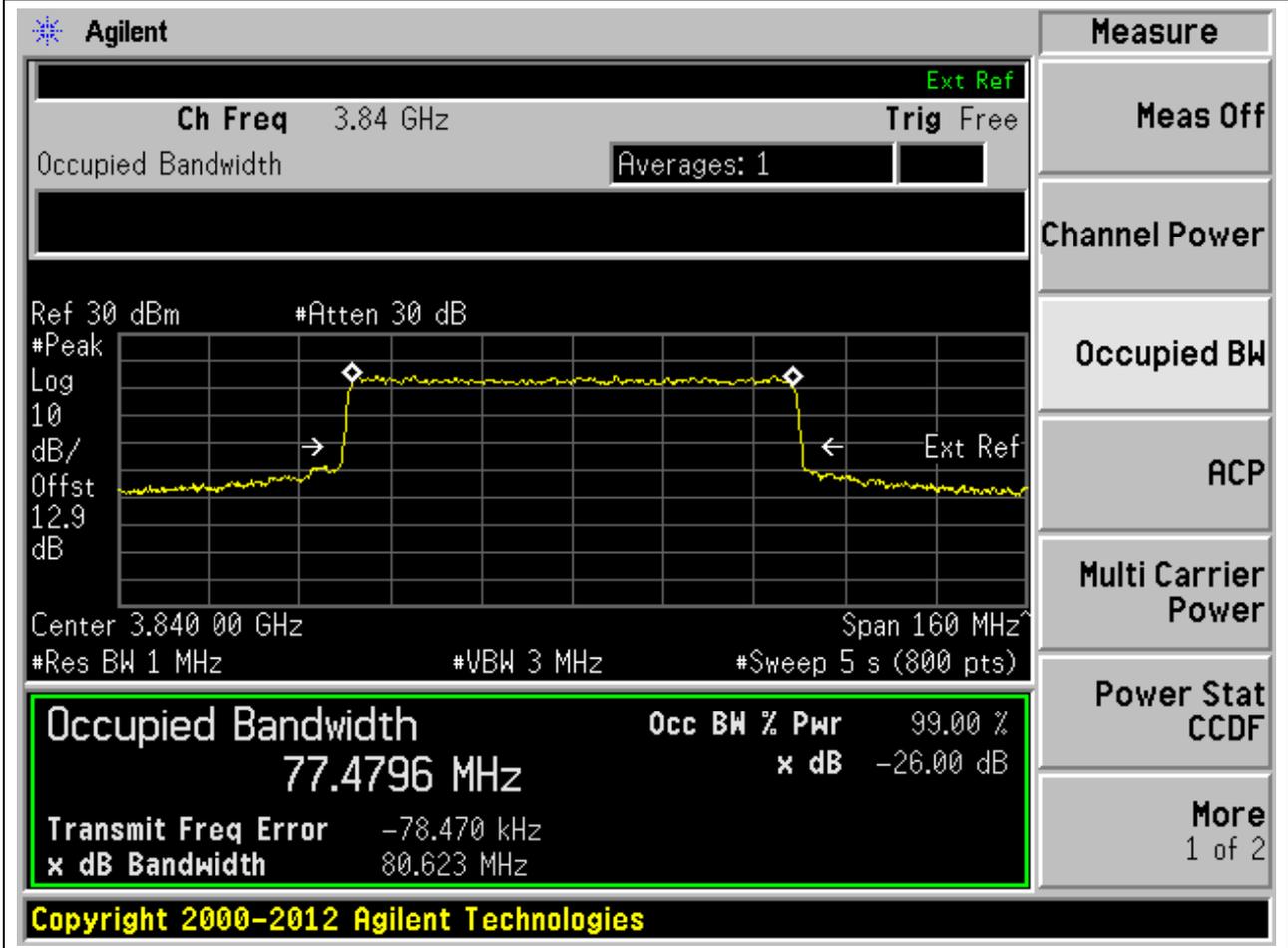
4.55. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3740.01	99	26	1	Peak	77.45	80.73	80	Pass



4.56. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	77.48	80.62	80	Pass



4.57. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662666, 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
3939.99	99	26	1	Peak	77.38	80.62	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	Unit
Occupied Bandwidth	77.3838	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	-107.850	kHz
x dB Bandwidth	80.616	MHz

Additional parameters shown in the interface include: Ch Freq 3.93999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.9 dB, Center 3.939 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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4.58. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, 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
3740.01	99	26	1	Peak	77.42	80.42	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.74001 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4243 MHz, which is 99.00% of the 80 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -14.931 kHz, and the XdB bandwidth is 80.416 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'.

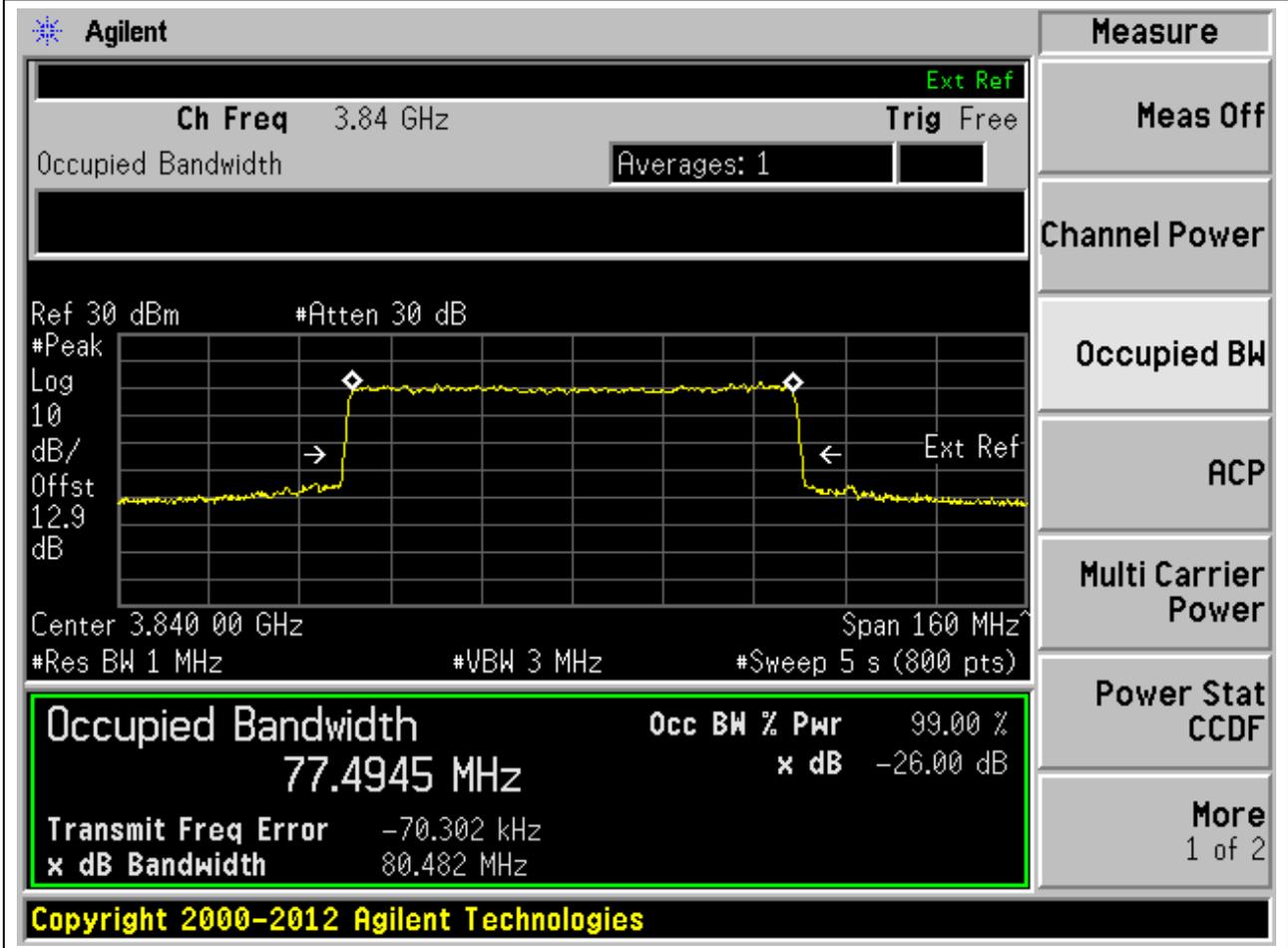
Occupied Bandwidth	Occ BW % Pwr	x dB
77.4243 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -14.931 kHz
 x dB Bandwidth: 80.416 MHz

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4.59. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	77.49	80.48	80	Pass



4.60. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662666, 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
3939.99	99	26	1	Peak	77.44	80.56	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 results. The results are as follows:

Occupied Bandwidth	Occ BW % Pwr
77.4400 MHz	99.00 %
Transmit Freq Error	-90.716 kHz
x dB Bandwidth	80.565 MHz

Additional parameters shown in the interface include: Ch Freq 3.93999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.9 dB, Center 3.939 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts). The interface also features 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).

4.61. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.32	90.58	90	Pass

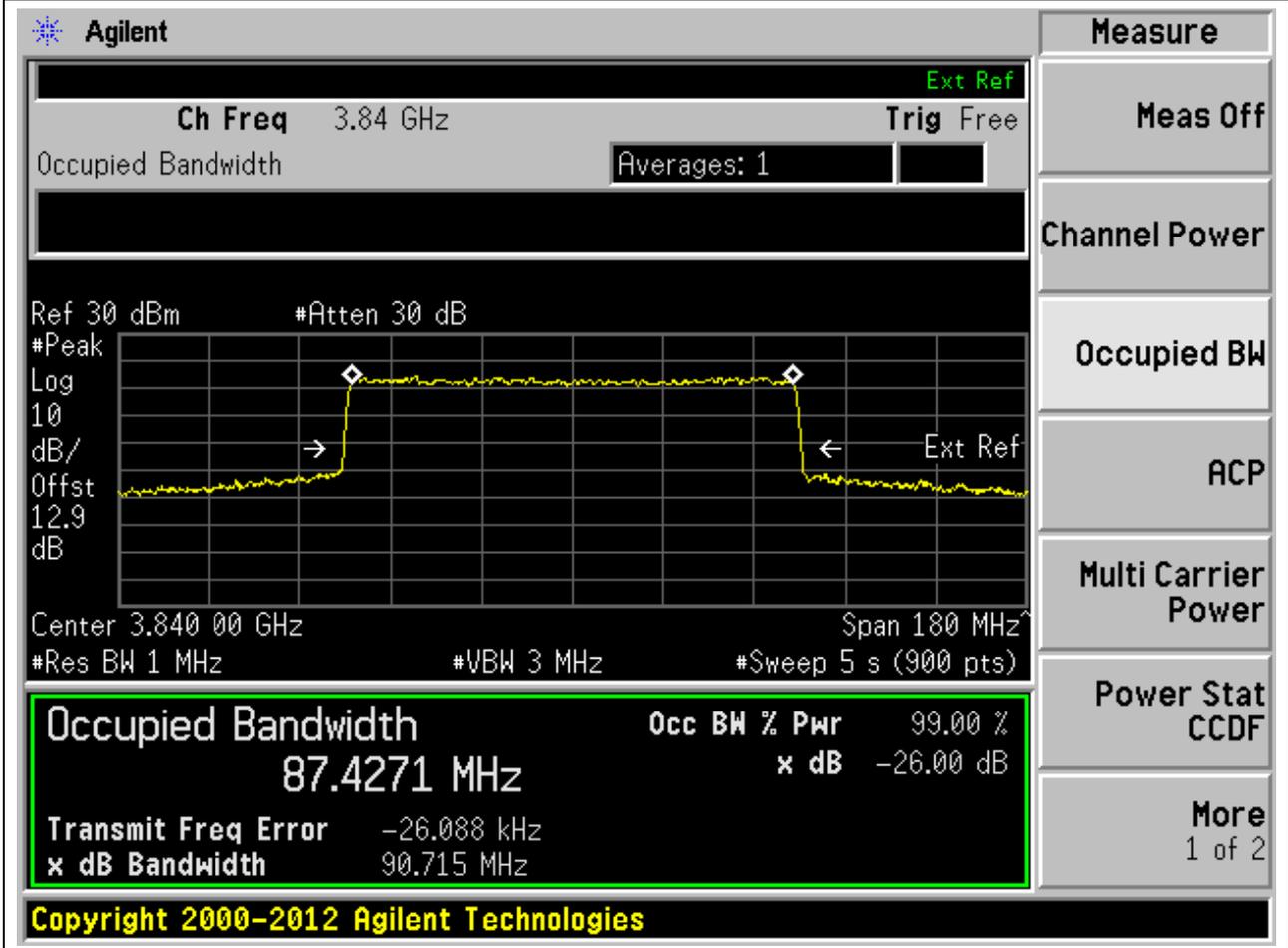
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.74502 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.3195 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface 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
87.3195 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 49.491 kHz
 x dB Bandwidth: 90.579 MHz

4.62. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	87.43	90.71	90	Pass



4.63. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662332, 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
3934.98	99	26	1	Peak	87.34	90.68	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 3.93498 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.3378 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
87.3378 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -48.067 kHz
x dB Bandwidth: 90.680 MHz

4.64. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.62	90.68	90	Pass

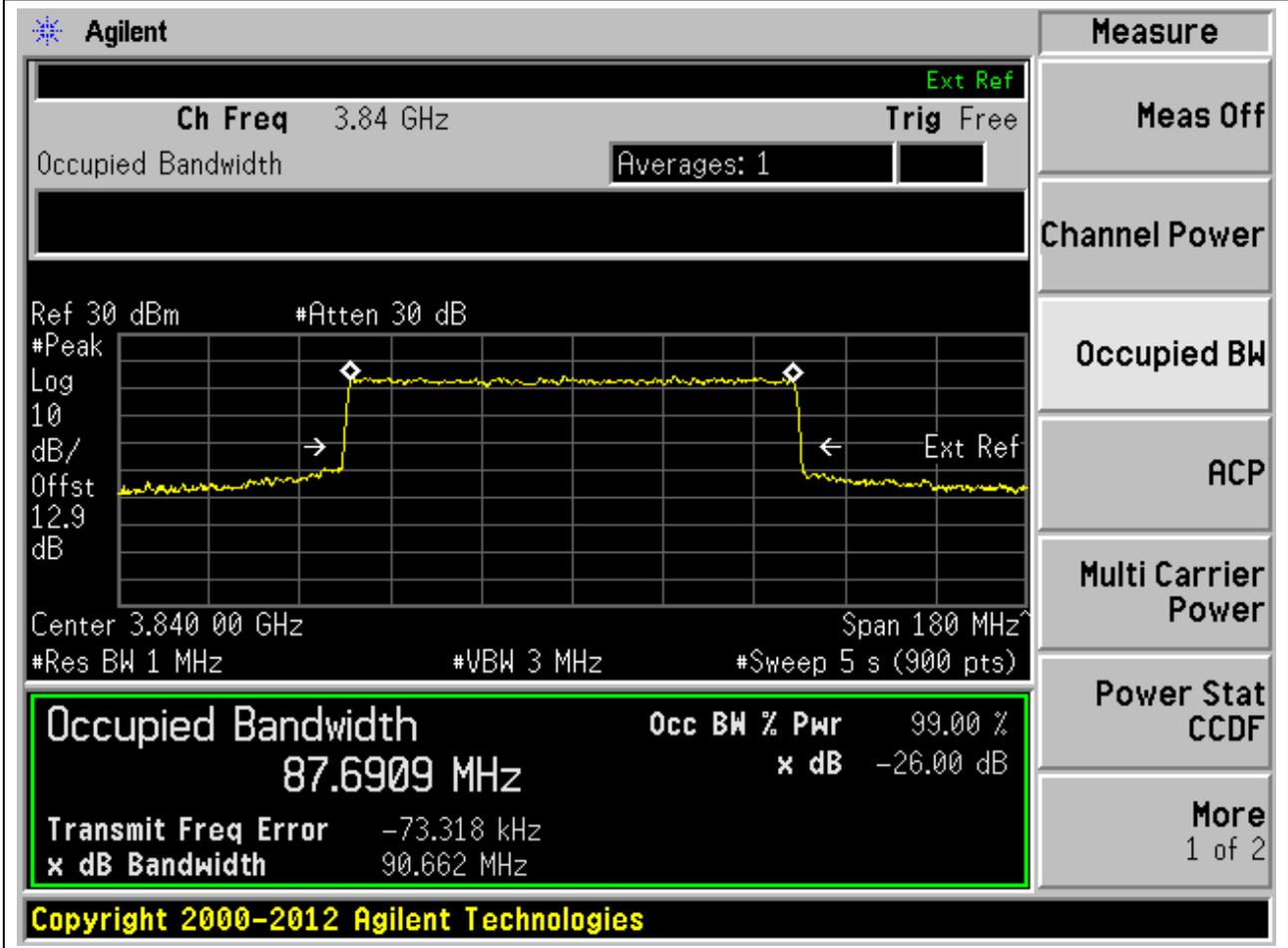
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.74502 GHz, and the span is 180 MHz. The occupied bandwidth is highlighted in a green box as 87.6243 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
87.6243 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.74502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.7 dB, Center 3.745 02 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts), Transmit Freq Error 7.449 kHz, x dB Bandwidth 90.681 MHz.

4.65. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	87.69	90.66	90	Pass



4.66. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662332, 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
3934.98	99	26	1	Peak	87.63	90.76	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 3.93498 GHz. The occupied bandwidth is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
87.6323 MHz	x dB	-26.00 dB
Transmit Freq Error		-78.378 kHz
x dB Bandwidth		90.762 MHz

Other parameters visible in the interface include: Ch Freq 3.93498 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.9 dB, Center 3.934 98 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 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).

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4.67. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.44	90.8	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 3.74502 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.4445 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
87.4445 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 85.104 kHz
 x dB Bandwidth: 90.799 MHz

4.68. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	87.51	90.79	90	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 3.84 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.5092 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The interface includes various measurement controls and a summary table at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.5092 MHz	99.00 %	-26.00 dB

Additional parameters shown in the summary table:

- Transmit Freq Error: -2.699 kHz
- x dB Bandwidth: 90.789 MHz

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4.69. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662332, 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
3934.98	99	26	1	Peak	87.43	90.77	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 3.93498 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.4336 MHz, which is 99.00% of the channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -12.816 kHz, and the XdB Bandwidth is 90.772 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
87.4336 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -12.816 kHz
 x dB Bandwidth: 90.772 MHz

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4.70. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.38	90.65	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	87.3789 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	94.241 kHz
x dB Bandwidth	90.647 MHz

Additional parameters shown in the interface include: Ch Freq 3.74502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.7 dB, Center 3.745 02 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts).

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4.71. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	87.46	90.63	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 3.84 GHz, and the span is 180 MHz. The occupied bandwidth is highlighted in a green box, showing 87.4628 MHz. The power is 99.00% and the XdB bandwidth is 90.634 MHz. The XdB down is -26.00 dB. The transmit frequency error is 12.882 kHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s). A 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.4628 MHz	99.00 %	-26.00 dB

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4.72. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662332, 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
3934.98	99	26	1	Peak	87.38	90.72	90	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 3.93498 GHz with a span of 180 MHz. The signal level is approximately 12.9 dB above the reference level. The occupied bandwidth is measured as 87.3848 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 90.719 MHz, and the XdB down is -26.00 dB. The interface also shows various measurement parameters such as Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s, 900 pts).

Occupied Bandwidth	Occ BW % Pwr	x dB
87.3848 MHz	99.00 %	-26.00 dB

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4.73. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.21	100.83	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 3.75 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.2101 MHz, which is 99.00% of the 100 MHz channel bandwidth. 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'. A summary box at the bottom left highlights the key measurement results.

Measurement	Value
Occupied Bandwidth	97.2101 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	111.832 kHz
x dB Bandwidth	100.827 MHz

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4.74. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	97.33	100.9	100	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 3.84 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.3269 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 25.548 kHz, and the XdB bandwidth is 100.898 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.3269 MHz	99.00 %	-26.00 dB

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4.75. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662000, 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
3930	99	26	1	Peak	97.24	100.9	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 3.93 GHz. The occupied bandwidth is measured as 97.2380 MHz. The power is 99.00% and 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 parameters include a resolution bandwidth of 1 MHz, a video bandwidth of 3 MHz, and a sweep time of 5 seconds.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.2380 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot:

- Center: 3.930 00 GHz
- Span: 200 MHz
- #Res BW: 1 MHz
- #VBW: 3 MHz
- #Sweep: 5 s (1000 pts)
- Transmit Freq Error: 16.368 kHz
- x dB Bandwidth: 100.898 MHz

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4.76. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.24	100.82	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 3.75 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.2446 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB Down 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
97.2446 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 157.388 kHz
 x dB Bandwidth: 100.821 MHz

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4.77. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	97.37	100.87	100	Pass

Agilent

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

Ch Freq 3.84 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.9 dB

Center 3.840 00 GHz Span 200 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
97.3705 MHz	x dB -26.00 dB
Transmit Freq Error 68.663 kHz	
x dB Bandwidth 100.869 MHz	

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4.78. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662000, 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
3930	99	26	1	Peak	97.32	100.82	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 3.93 GHz. The occupied bandwidth is 97.3204 MHz, and the power is 99.00%. The XdB down is -26.00 dB. The transmit frequency error is 63.222 kHz, and the X dB bandwidth is 100.819 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
97.3204 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 63.222 kHz
x dB Bandwidth: 100.819 MHz

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4.79. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.29	100.66	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 3.75 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.2855 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 60.382 kHz, and the XdB bandwidth is 100.662 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.2855 MHz	99.00 %	-26.00 dB

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4.80. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	97.39	100.64	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.84 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.3898 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -37.055 kHz. The XdB bandwidth is 100.645 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
97.3898 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -37.055 kHz
 x dB Bandwidth: 100.645 MHz

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4.81. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662000, 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
3930	99	26	1	Peak	97.33	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 3.93 GHz. The occupied bandwidth is measured as 97.3263 MHz. The power is 99.00% and 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 parameters include a resolution bandwidth of 1 MHz, a video bandwidth of 3 MHz, and a sweep time of 5 seconds.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.3263 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Center 3.930 00 GHz, Span 200 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (1000 pts), Transmit Freq Error -42.851 kHz, and x dB Bandwidth 100.652 MHz.

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4.82. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.4	100.64	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 3.75 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.4003 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 11.428 kHz, and the x dB bandwidth is 100.637 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
97.4003 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 11.428 kHz
x dB Bandwidth: 100.637 MHz

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4.83. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, 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
3840	99	26	1	Peak	97.55	100.7	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 3.84 GHz, and the span is 200 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
97.5528 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.84 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.9 dB, Center 3.840 00 GHz, Span 200 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (1000 pts), Transmit Freq Error -87.766 kHz, and x dB Bandwidth 100.703 MHz.

4.84. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:662000, 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
3930	99	26	1	Peak	97.5	100.74	100	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	97.4977 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-95.155 kHz
x dB Bandwidth	100.738 MHz

Additional parameters shown in the interface include: Ch Freq 3.93 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.9 dB, Center 3.930 00 GHz, Span 200 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (1000 pts).

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4.87. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.2	30.67	30	Pass

Agilent

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

Ch Freq 3.71502 GHz Ext Ref Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.715 02 GHz Span 60 MHz

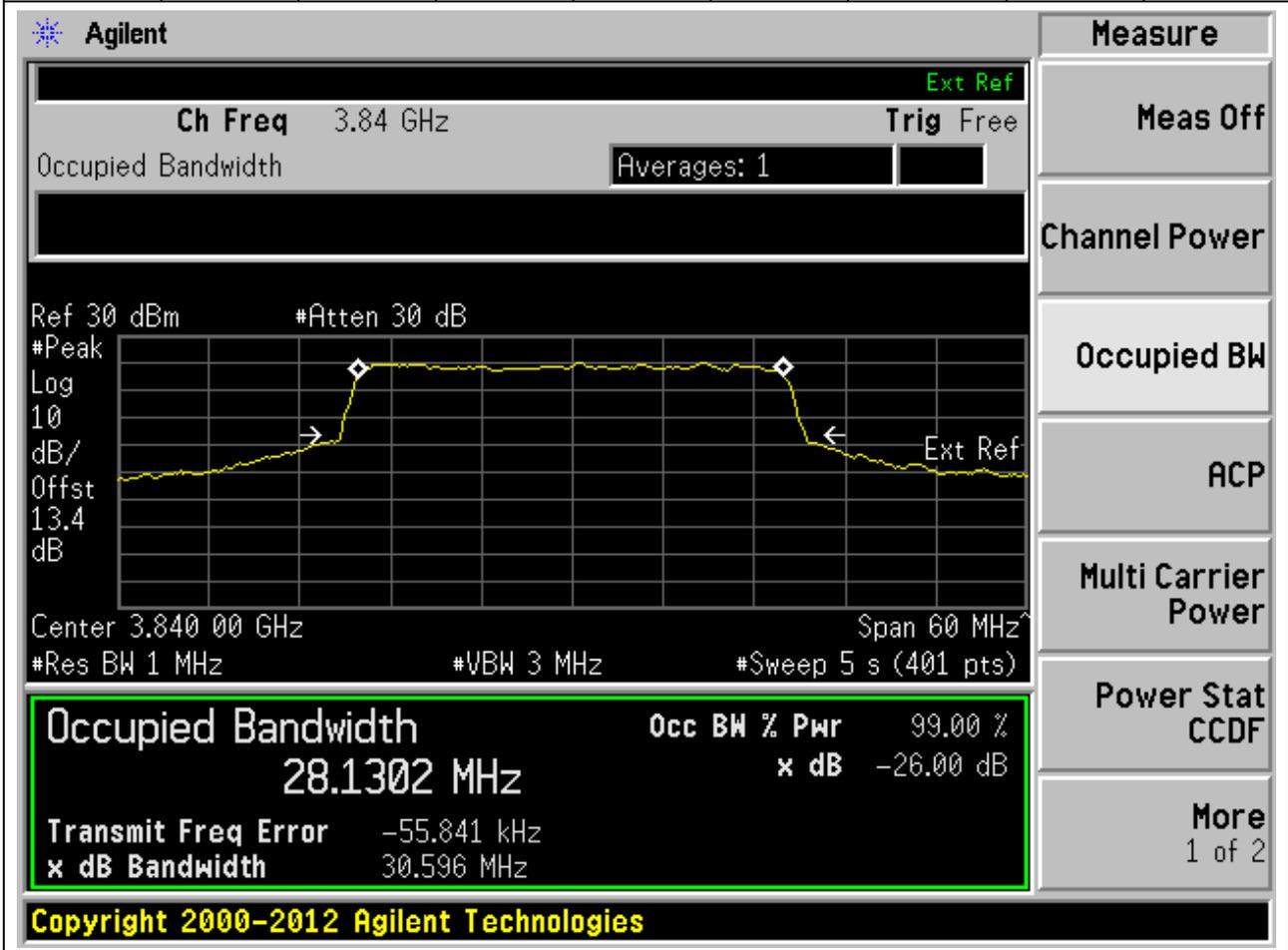
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1971 MHz	x dB -26.00 dB
Transmit Freq Error -72.027 Hz	
x dB Bandwidth 30.669 MHz	

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4.88. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	28.13	30.6	30	Pass



4.89. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3964.98	99	26	1	Peak	28.18	30.57	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 3.96498 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1793 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 seconds (401 points). 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
28.1793 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -26.879 kHz
x dB Bandwidth: 30.567 MHz

4.90. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.22	30.58	30	Pass

Agilent

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

Ch Freq 3.71502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.715 02 GHz Span 60 MHz

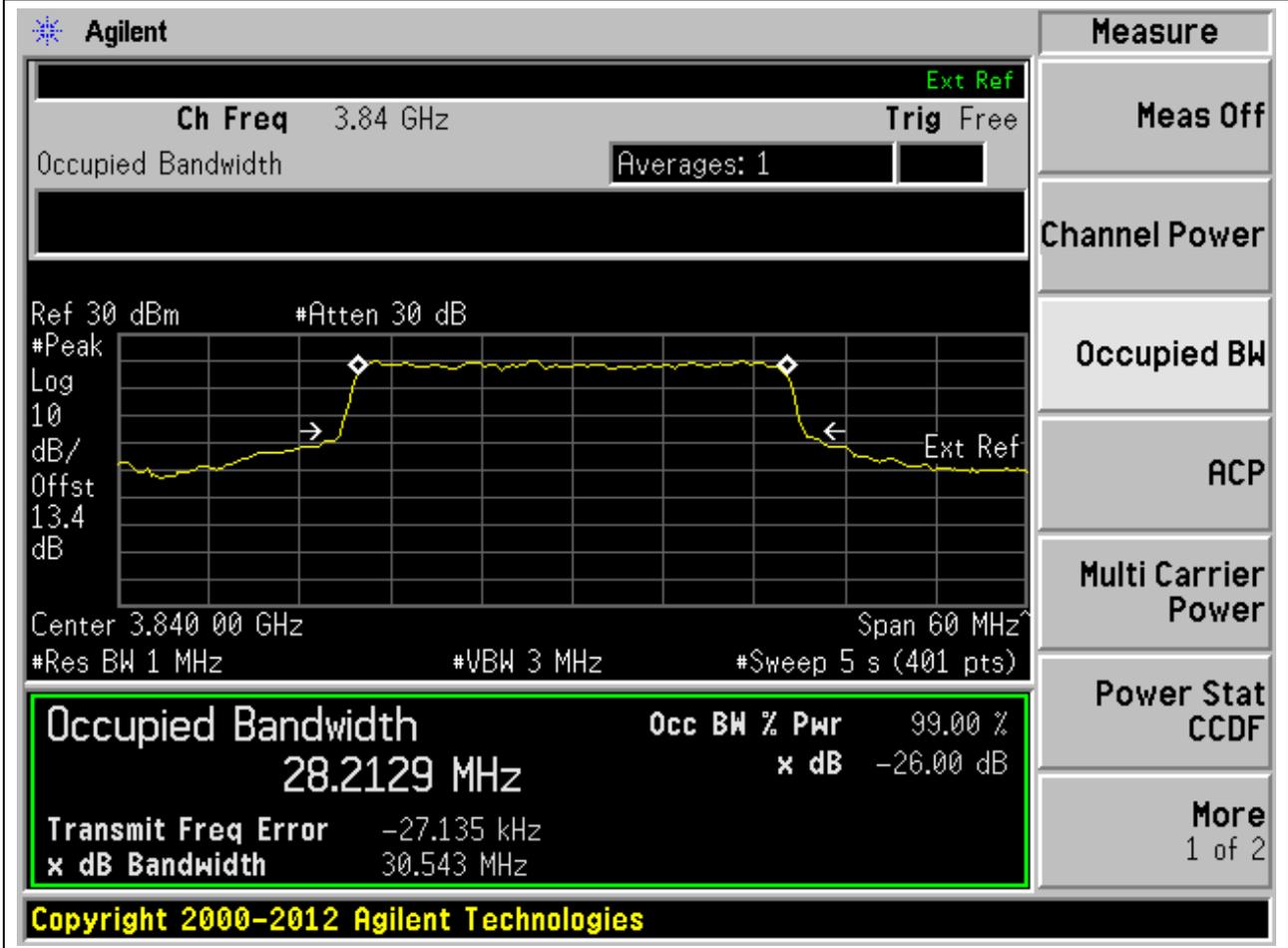
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2216 MHz	x dB -26.00 dB
Transmit Freq Error	-8.829 kHz
x dB Bandwidth	30.581 MHz

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4.91. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	28.21	30.54	30	Pass



4.92. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3964.98	99	26	1	Peak	28.19	30.56	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 3.96498 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1880 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1880 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -40.952 kHz
x dB Bandwidth: 30.556 MHz

4.93. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.32	30.79	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:

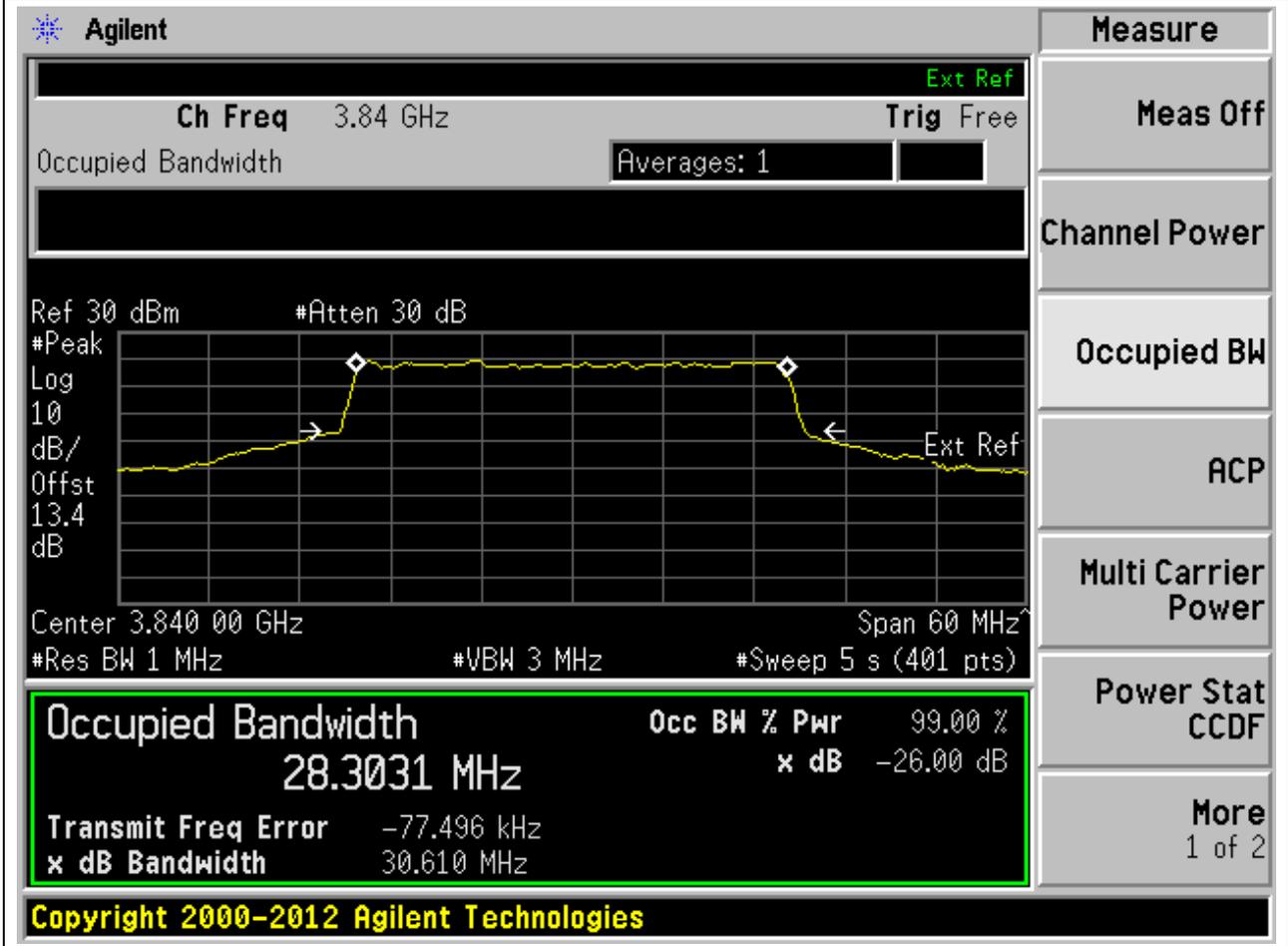
Measurement	Value
Occupied Bandwidth	28.3245 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-59.541 kHz
x dB Bandwidth	30.790 MHz

Additional parameters shown in the interface include: Ch Freq 3.71502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13 dB, Center 3.715 02 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).

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4.94. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	28.3	30.61	30	Pass



4.95. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3964.98	99	26	1	Peak	28.31	30.65	30	Pass

Agilent

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

Ch Freq 3.96498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.964 98 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.3090 MHz	x dB -26.00 dB
Transmit Freq Error	-77.762 kHz
x dB Bandwidth	30.649 MHz

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4.96. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.22	30.7	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 3.71502 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.2192 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The detector is set to Peak. The upper limit is 30 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.2192 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.71502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13 dB, Center 3.715 02 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Transmit Freq Error -38.800 kHz, x dB Bandwidth 30.705 MHz.

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4.97. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	28.2	30.7	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 3.84 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.2047 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -46.049 kHz, and the XdB bandwidth is 30.698 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
28.2047 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -46.049 kHz
 x dB Bandwidth: 30.698 MHz

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4.98. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:664332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3964.98	99	26	1	Peak	28.22	30.72	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	28.2191 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-54.228 kHz
x dB Bandwidth	30.723 MHz

Additional parameters shown in the interface include: Ch Freq 3.96498 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.3 dB, Center 3.964 98 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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4.99. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.51	70.57	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.735 GHz, and the span is 140 MHz. The occupied bandwidth is highlighted in a green box, showing 67.5068 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface also shows various settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s). A 'Measure' menu on the right lists various measurement options, with 'Occupied BW' selected.

Occupied Bandwidth	Occ BW % Pwr	x dB
67.5068 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 5.442 kHz
 x dB Bandwidth: 70.572 MHz

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4.100. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	67.59	70.53	70	Pass

Agilent

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

Ch Freq 3.84 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13.4 dB

Ext Ref

Center 3.840 00 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.5860 MHz	x dB -26.00 dB
Transmit Freq Error	-54.268 kHz
x dB Bandwidth	70.525 MHz

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4.101. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3945	99	26	1	Peak	67.51	70.47	70	Pass

Agilent

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

Ch Freq 3.945 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 13.4 dB

Center 3.945 00 GHz Span 140 MHz

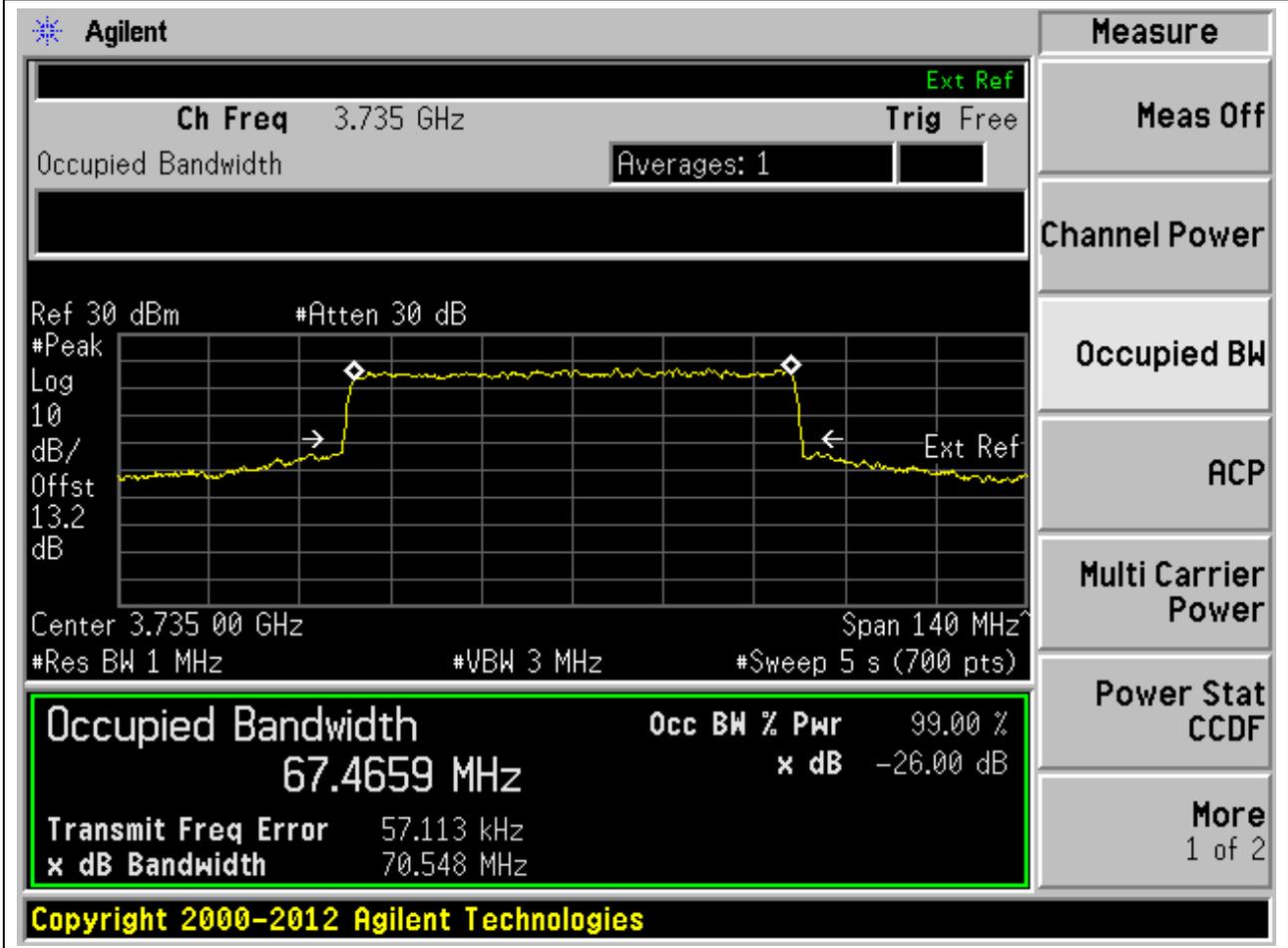
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.5097 MHz	x dB -26.00 dB
Transmit Freq Error -41.508 kHz	
x dB Bandwidth 70.472 MHz	

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4.102. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.47	70.55	70	Pass



4.103. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	67.56	70.57	70	Pass

Agilent

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

Ch Freq 3.84 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13.4 dB

Center 3.840 00 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
67.5556 MHz	x dB	-26.00 dB
Transmit Freq Error	10.391 kHz	
x dB Bandwidth	70.573 MHz	

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4.104. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3945	99	26	1	Peak	67.53	70.6	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.945 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.5297 MHz, which is 99.00% of the 70 MHz channel bandwidth. The XdB bandwidth is -26.00 dB. The transmit frequency error is 14.634 kHz. The XdB bandwidth is 70.601 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	x dB
67.5297 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 14.634 kHz
x dB Bandwidth: 70.601 MHz

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4.105. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.47	70.51	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.735 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.4702 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
67.4702 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 70.810 kHz
 x dB Bandwidth: 70.512 MHz

4.106. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	67.52	70.57	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.84 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.5155 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
67.5155 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 35.909 kHz
 x dB Bandwidth: 70.574 MHz

4.107. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3945	99	26	1	Peak	67.47	70.54	70	Pass

Agilent
Measure

Ch Freq 3.945 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.945 00 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

67.4680 MHz

Transmit Freq Error 20.442 kHz

x dB Bandwidth 70.544 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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4.108. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.18	70.5	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.735 GHz, and the span is 140 MHz. The occupied bandwidth is measured at 67.1841 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various control buttons and a summary table at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
67.1841 MHz		x dB	-26.00 dB
Transmit Freq Error	2.362 kHz		
x dB Bandwidth	70.504 MHz		

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4.109. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:656000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	67.26	70.52	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.84 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.2619 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -33.263 kHz. The XdB bandwidth is 70.524 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
67.2619 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -33.263 kHz
x dB Bandwidth: 70.524 MHz

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4.110. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:663000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3945	99	26	1	Peak	67.21	70.46	70	Pass

Agilent

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

Ch Freq 3.945 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 13.4 dB

Center 3.945 00 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.2074 MHz	x dB -26.00 dB
Transmit Freq Error	-49.333 kHz
x dB Bandwidth	70.457 MHz

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-1. n78(3700-3800)

1.1. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3710.01	99	26	0.03	Peak	18.17	18.82	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	18.1697 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-16.384 kHz
x dB Bandwidth	18.818 MHz

Additional parameters shown in the interface include: Center 3.710 010 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts), and a copyright notice for Agilent Technologies from 2000-2012.

1.2. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	0.03	Peak	18.17	19.01	20	Pass

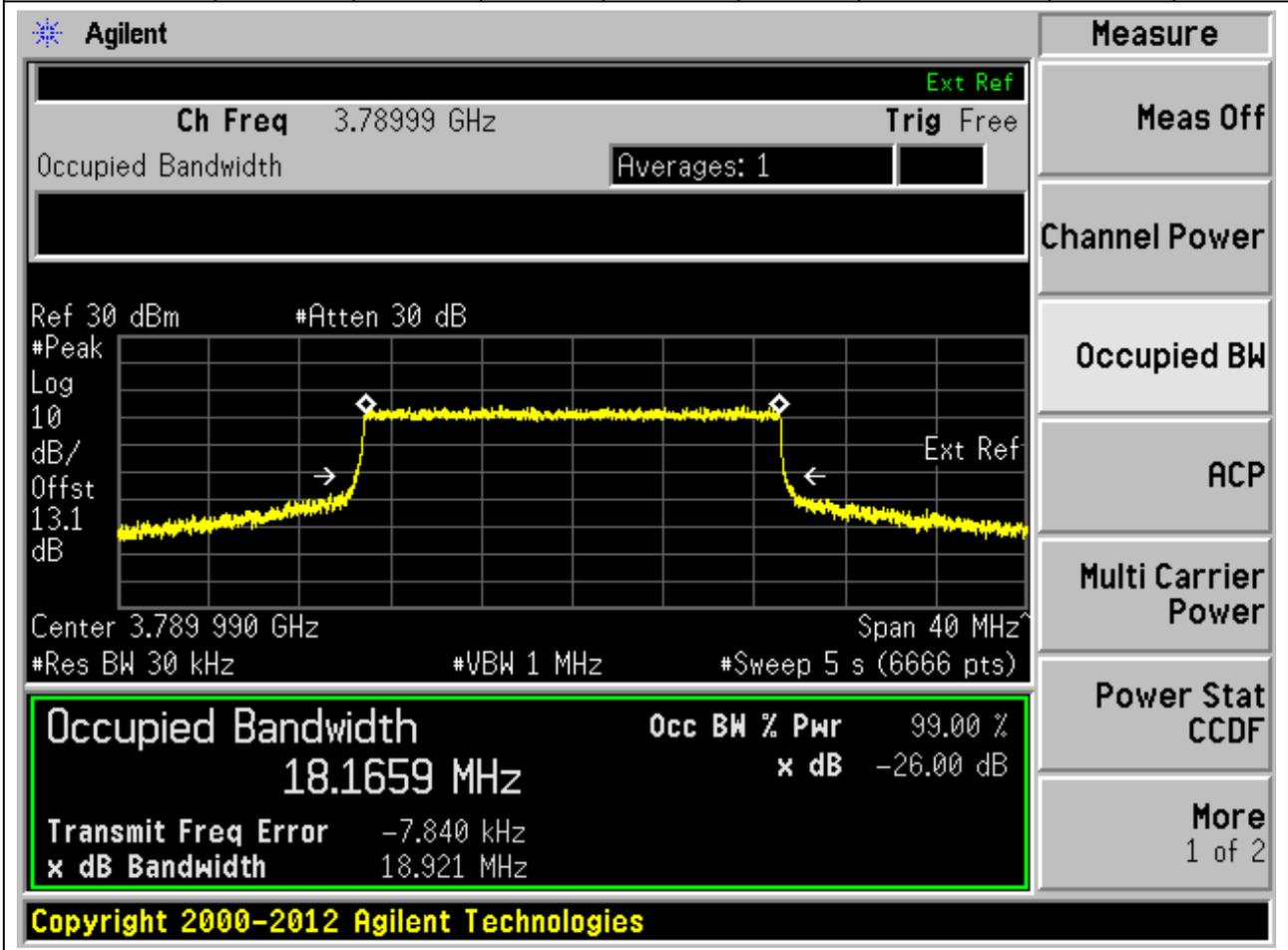
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 3.75 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1668 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.1668 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -18.453 kHz
 x dB Bandwidth: 19.009 MHz

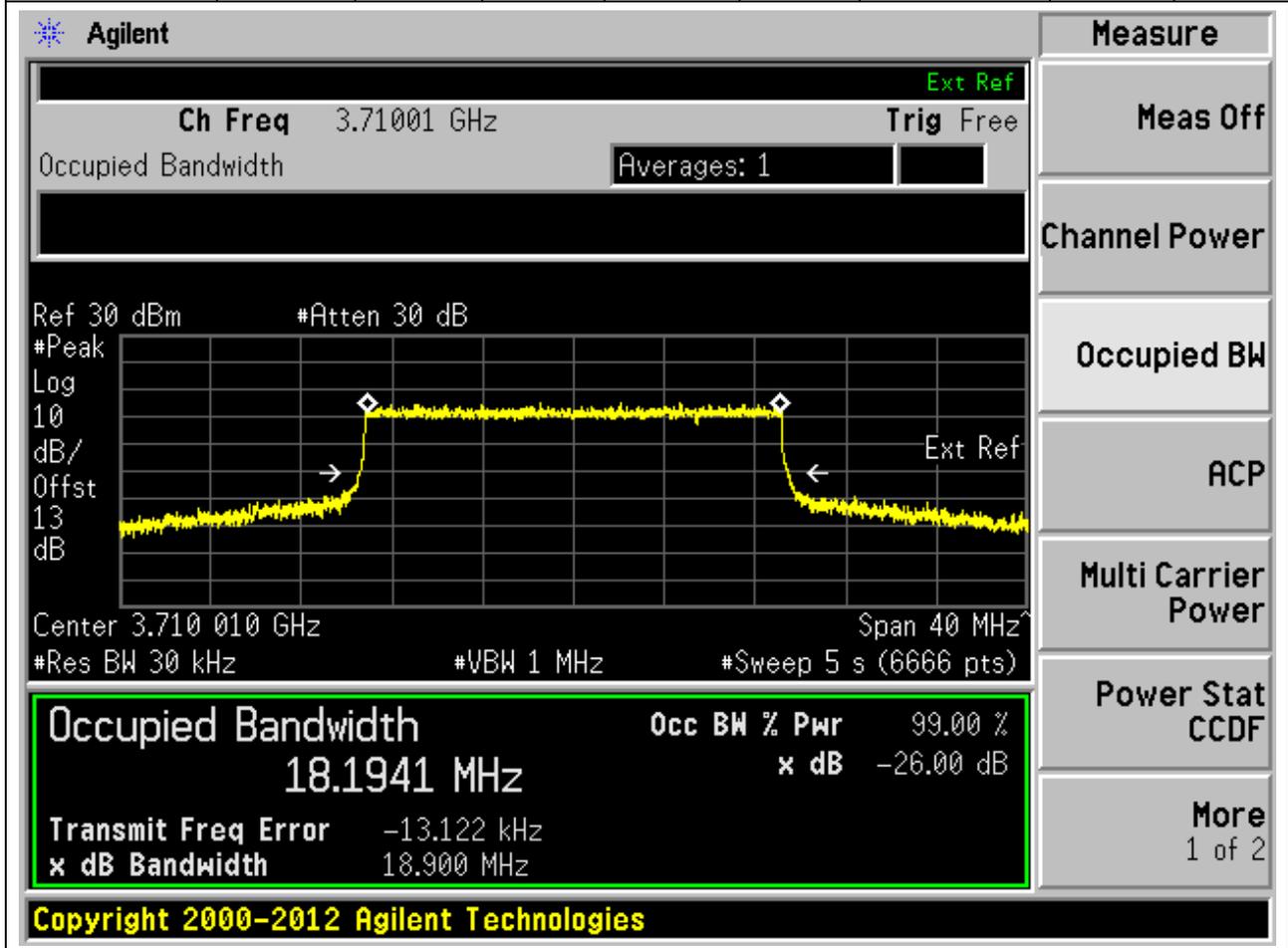
1.3. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3789.99	99	26	0.03	Peak	18.17	18.92	20	Pass



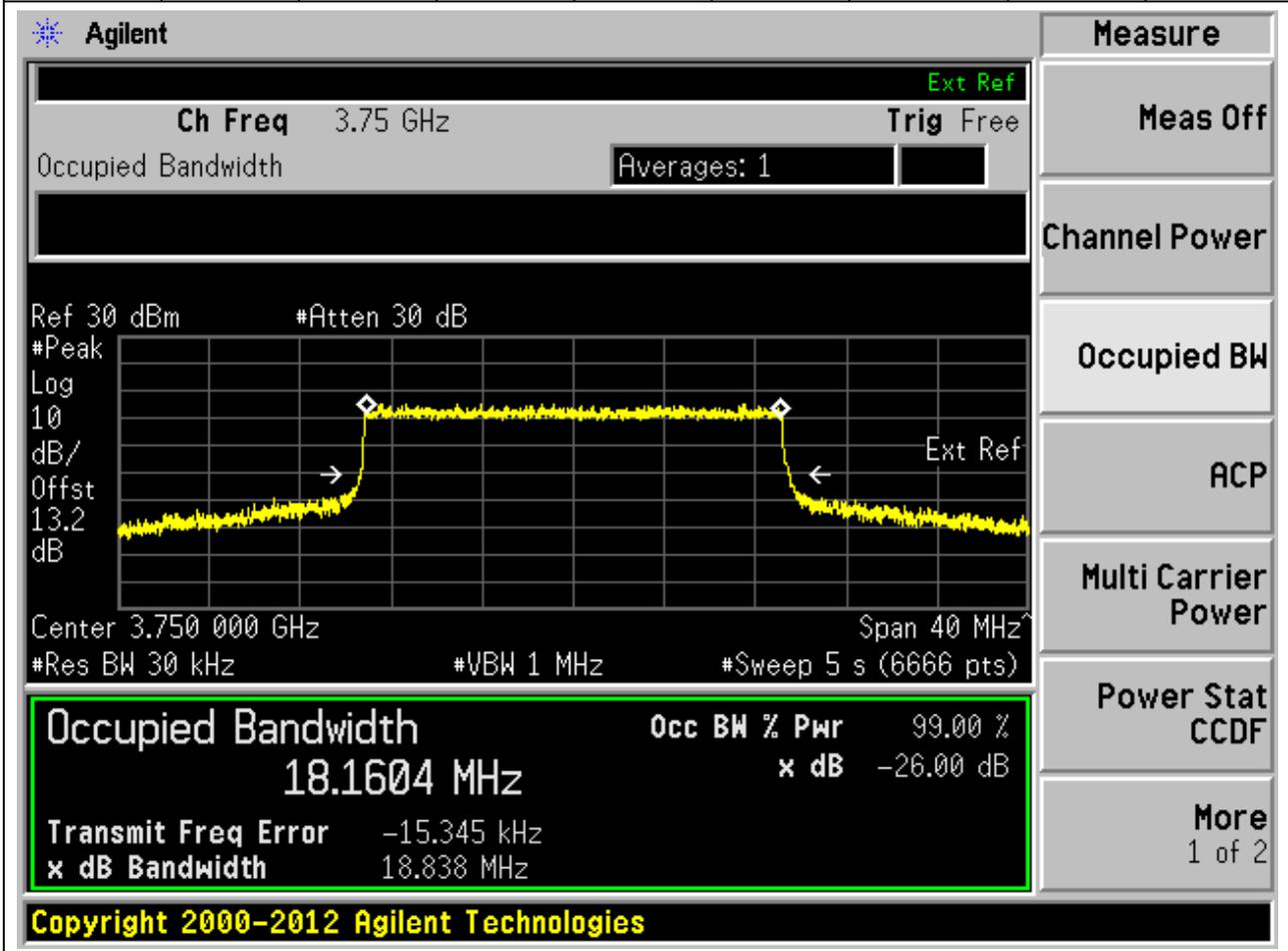
1.4. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3710.01	99	26	0.03	Peak	18.19	18.9	20	Pass



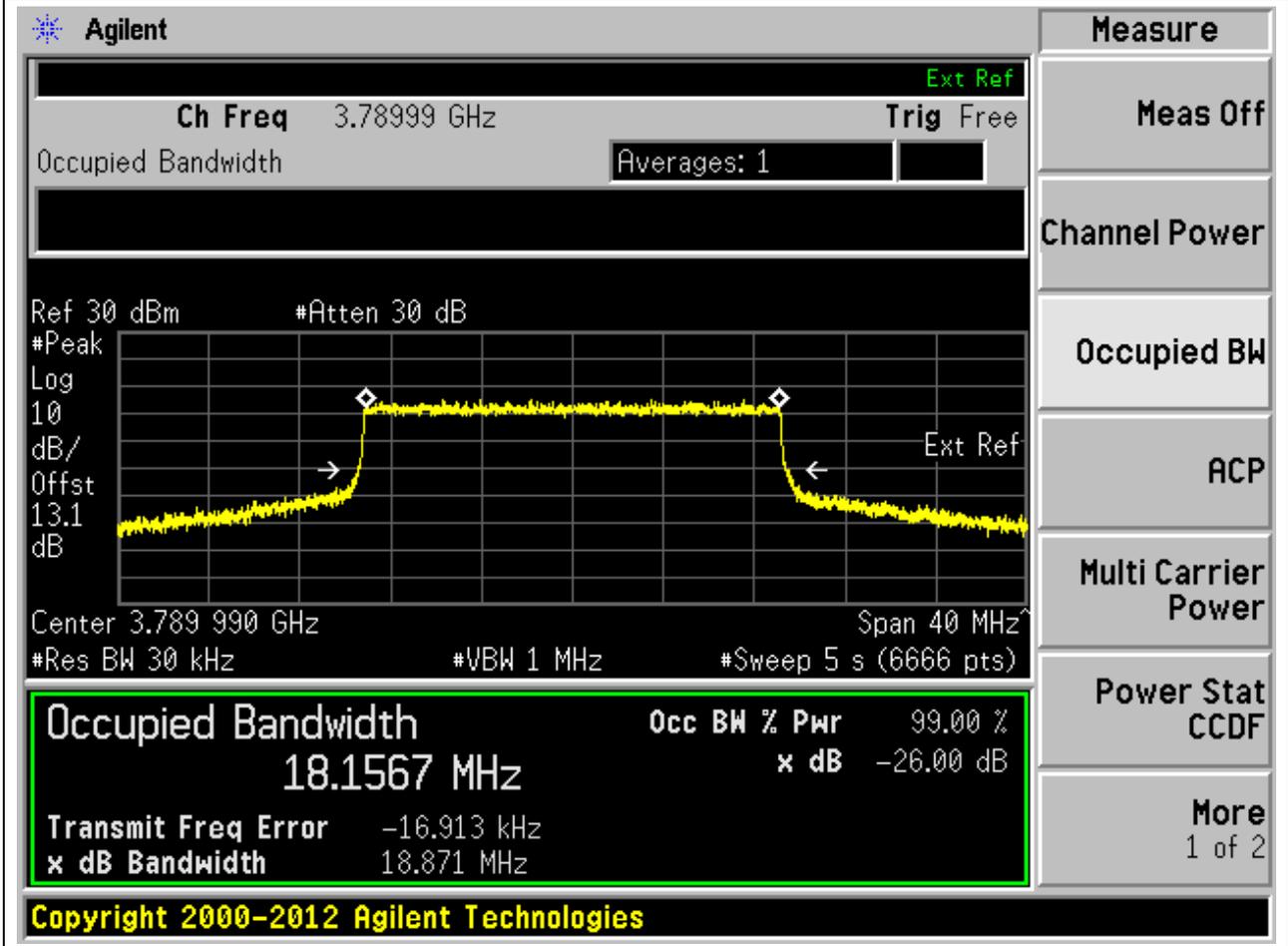
1.5. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	0.03	Peak	18.16	18.84	20	Pass



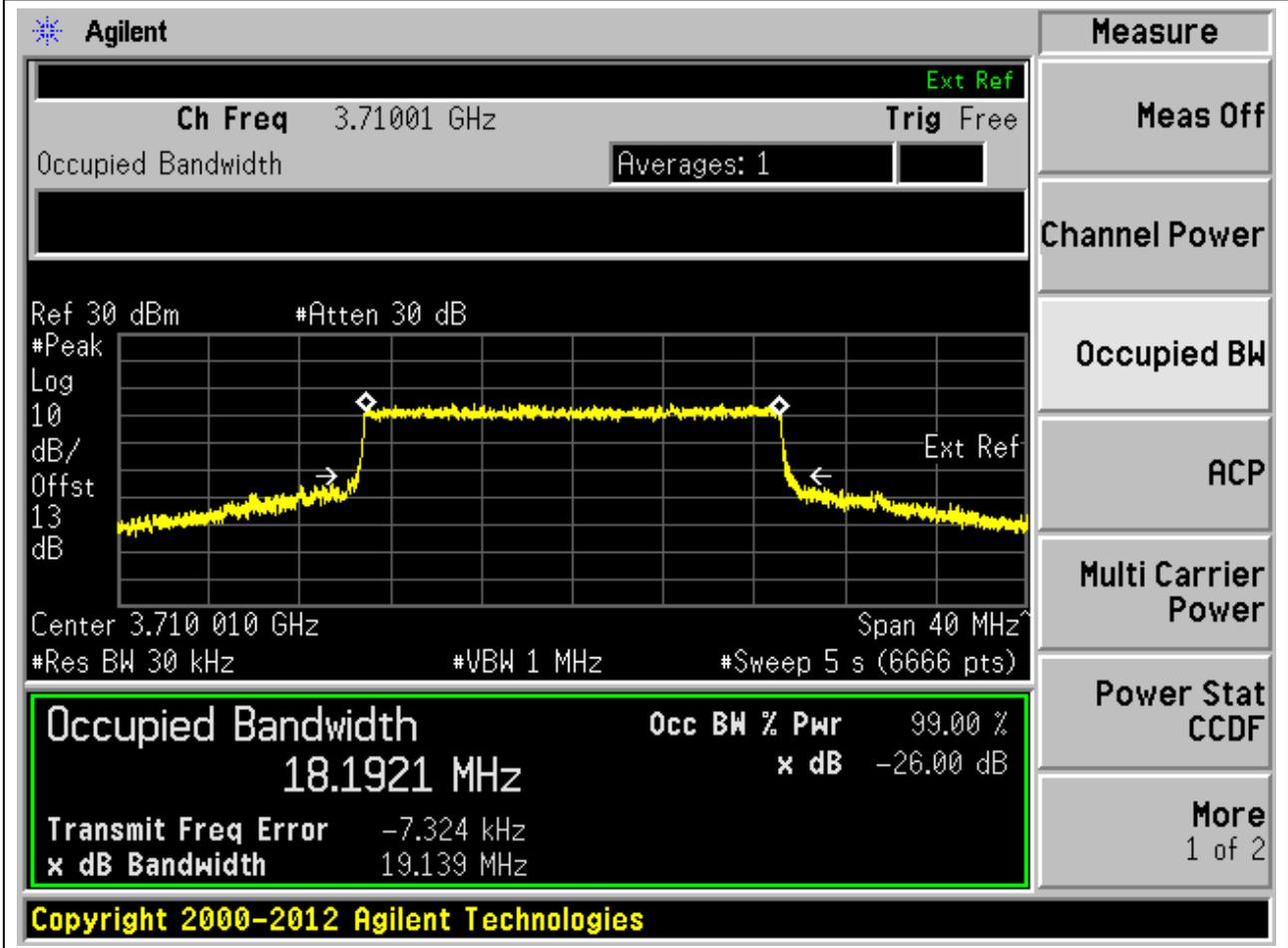
1.6. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3789.99	99	26	0.03	Peak	18.16	18.87	20	Pass



1.7. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3710.01	99	26	0.03	Peak	18.19	19.14	20	Pass



1.8. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	0.03	Peak	18.17	18.92	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 3.75 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1653 MHz. The power is 99.00% and the XdB bandwidth is 18.924 MHz. The XdB down is -26.00 dB. The transmit frequency error is -20.074 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
18.1653 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -20.074 kHz
x dB Bandwidth: 18.924 MHz

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1.9. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

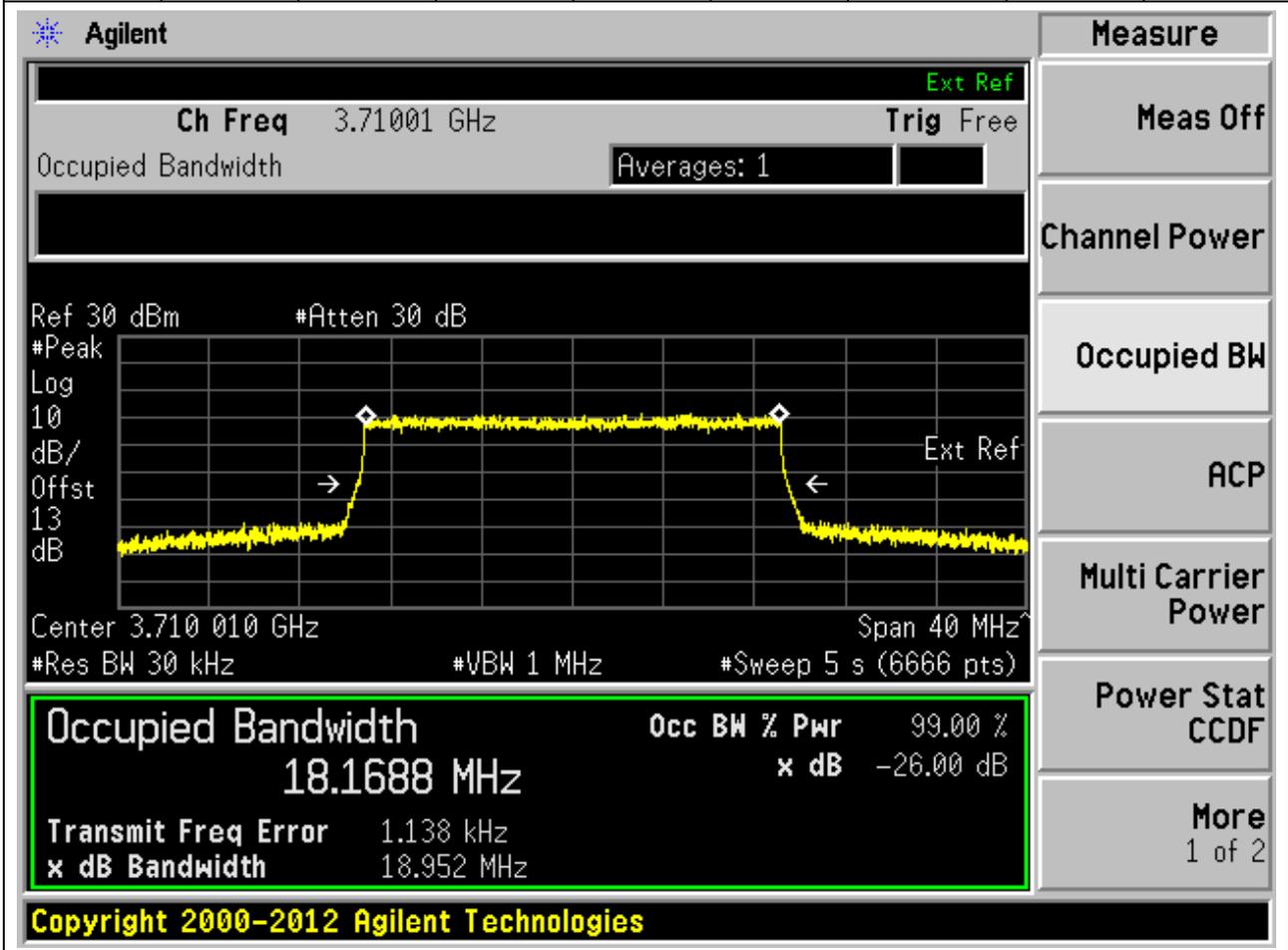
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3789.99	99	26	0.03	Peak	18.18	19	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 3.78999 GHz, and the span is 40 MHz. The resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds (6666 points). The signal level is approximately 13.1 dB. The occupied bandwidth is measured as 18.1845 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -8.903 kHz, and the XdB bandwidth is 19.003 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	99.00 %
18.1845 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.903 kHz	
x dB Bandwidth	19.003 MHz	

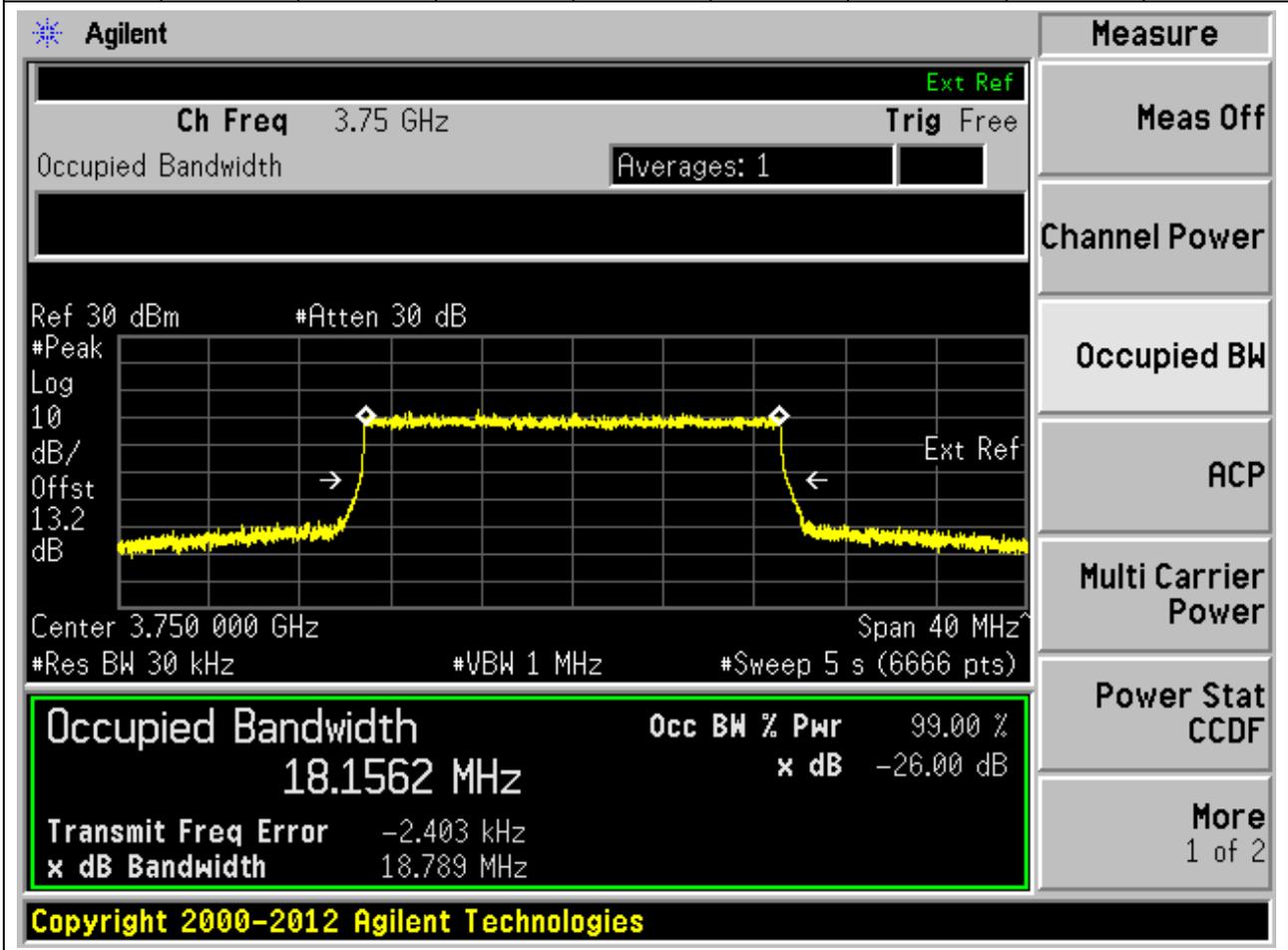
1.10. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3710.01	99	26	0.03	Peak	18.17	18.95	20	Pass



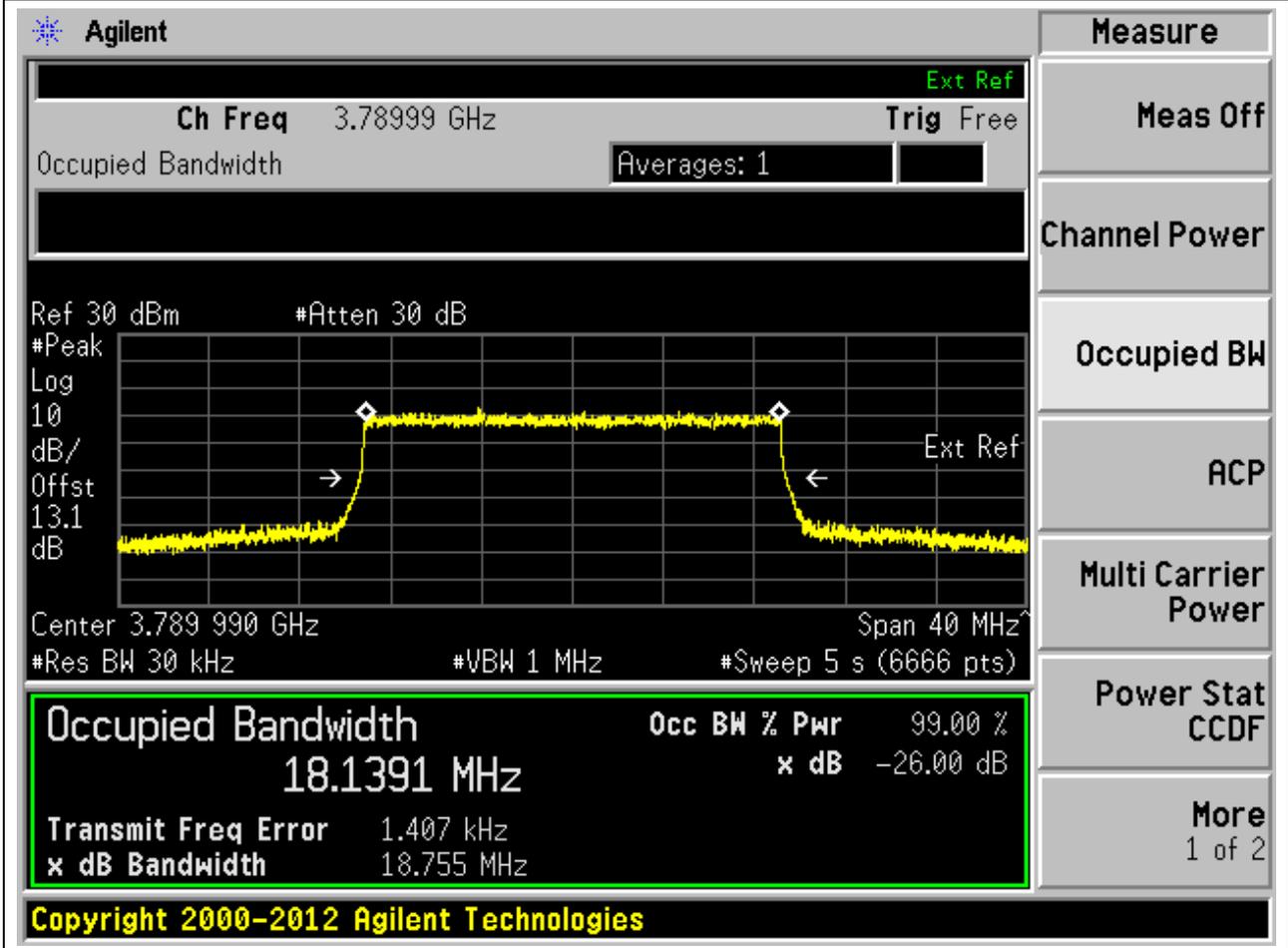
1.11. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	0.03	Peak	18.16	18.79	20	Pass



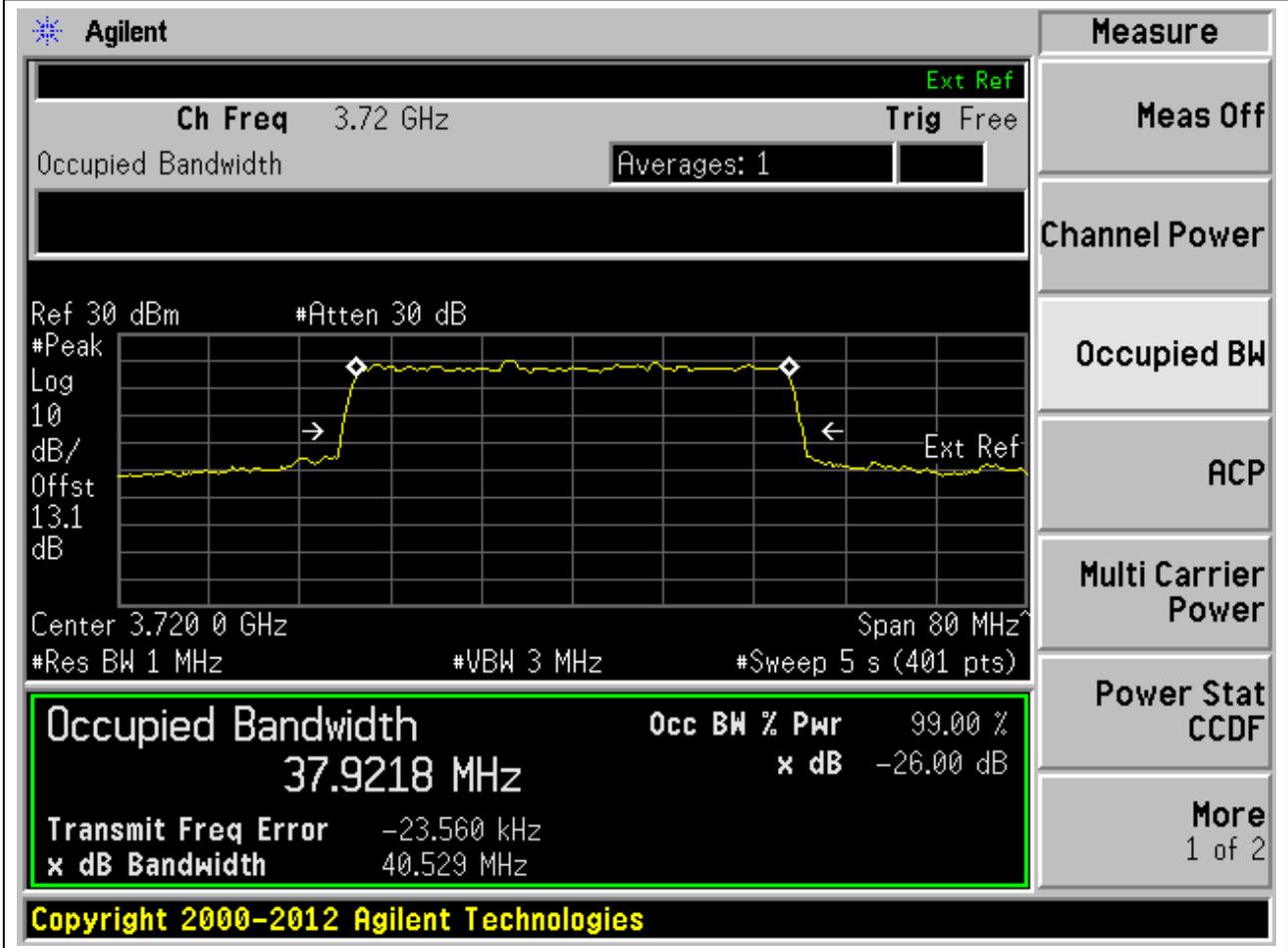
1.12. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3789.99	99	26	0.03	Peak	18.14	18.76	20	Pass



1.13. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648000, Bandwidth:40, SCS:30, 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
3720	99	26	1	Peak	37.92	40.53	40	Pass



1.14. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:40, SCS:30, 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
3750	99	26	1	Peak	37.93	40.45	40	Pass

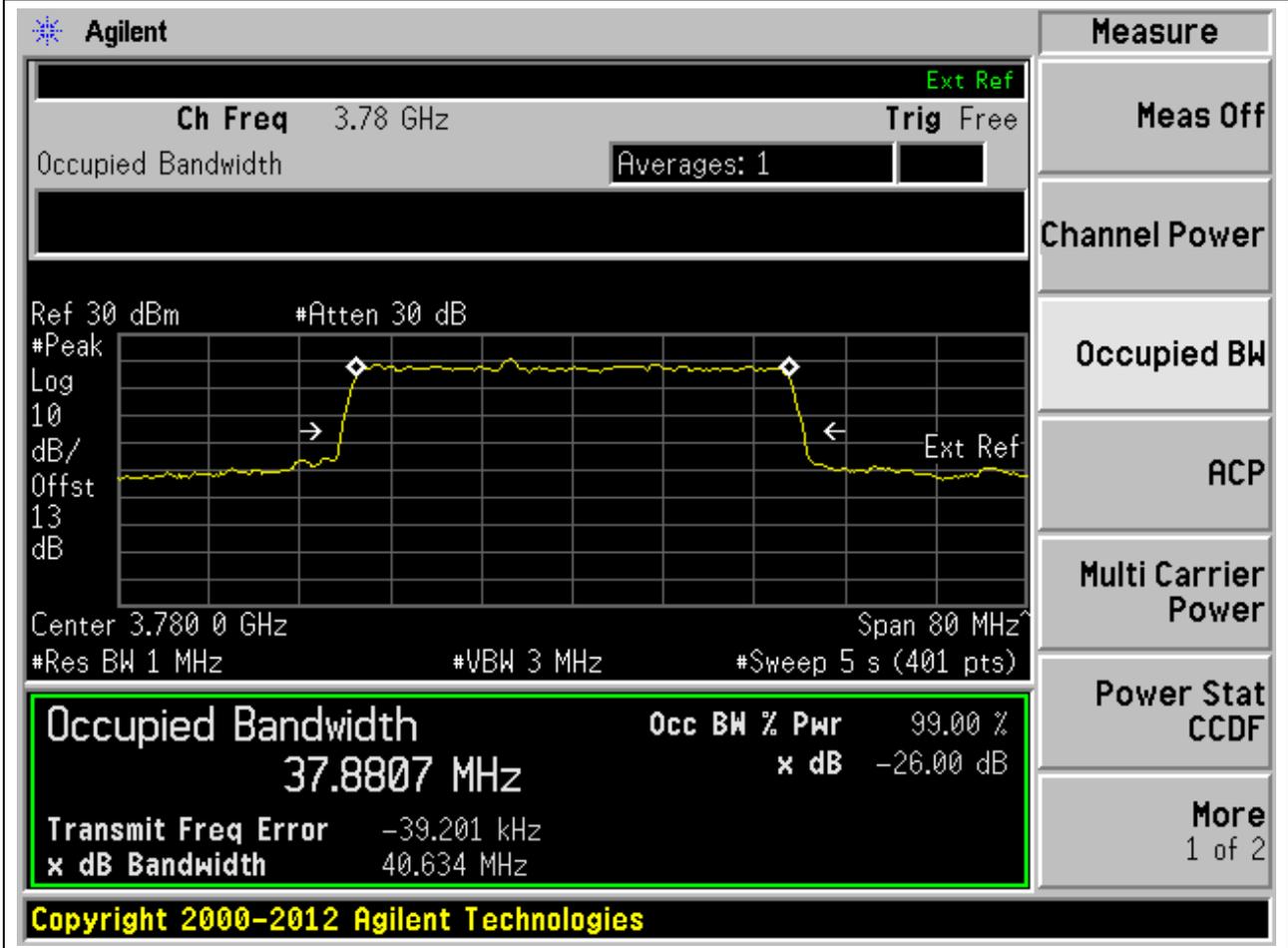
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.75 GHz, and the span is 80 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The occupied bandwidth is measured as 37.9275 MHz, which is 99.00% of the 40 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -55.042 kHz. The XdB bandwidth is 40.455 MHz. 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'. The 'Occupied BW' option is currently selected.

Occupied Bandwidth	Occ BW % Pwr	x dB
37.9275 MHz	99.00 %	-26.00 dB

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1.15. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652000, Bandwidth:40, SCS:30, 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
3780	99	26	1	Peak	37.88	40.63	40	Pass



1.16. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648000, Bandwidth:40, SCS:30, 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
3720	99	26	1	Peak	38.21	40.69	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:

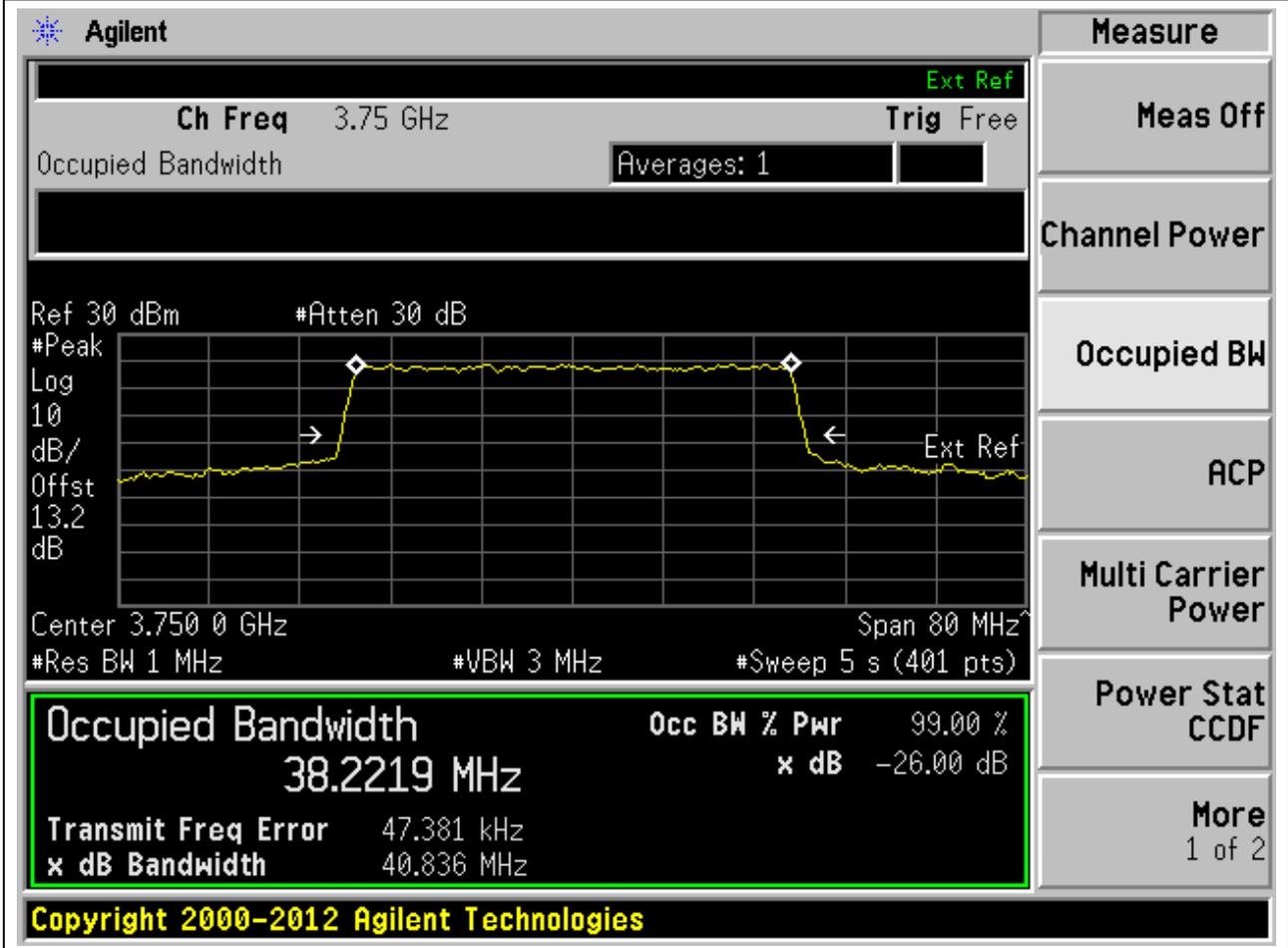
Measurement	Value
Occupied Bandwidth	38.2122 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	61.196 kHz
x dB Bandwidth	40.691 MHz

Additional parameters shown in the interface include: Ch Freq 3.72 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.1 dB, Center 3.720 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.17. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:40, SCS:30, 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
3750	99	26	1	Peak	38.22	40.84	40	Pass



1.18. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652000, Bandwidth:40, SCS:30, 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
3780	99	26	1	Peak	38.12	40.73	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 3.78 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing a value of 38.1231 MHz. The power is 99.00% and the XdB bandwidth is 40.729 MHz. The XdB down 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
38.1231 MHz	99.00 %	-26.00 dB

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1.19. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648000, Bandwidth:40, SCS:30, 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
3720	99	26	1	Peak	38.14	40.71	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 3.720 GHz and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing 38.1369 MHz. The power is 99.00% and the XdB bandwidth is 40.714 MHz. The XdB down is -26.00 dB. The transmit frequency error is 60.246 kHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
38.1369 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 60.246 kHz
x dB Bandwidth: 40.714 MHz

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1.20. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:40, SCS:30, 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
3750	99	26	1	Peak	38.11	40.83	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:

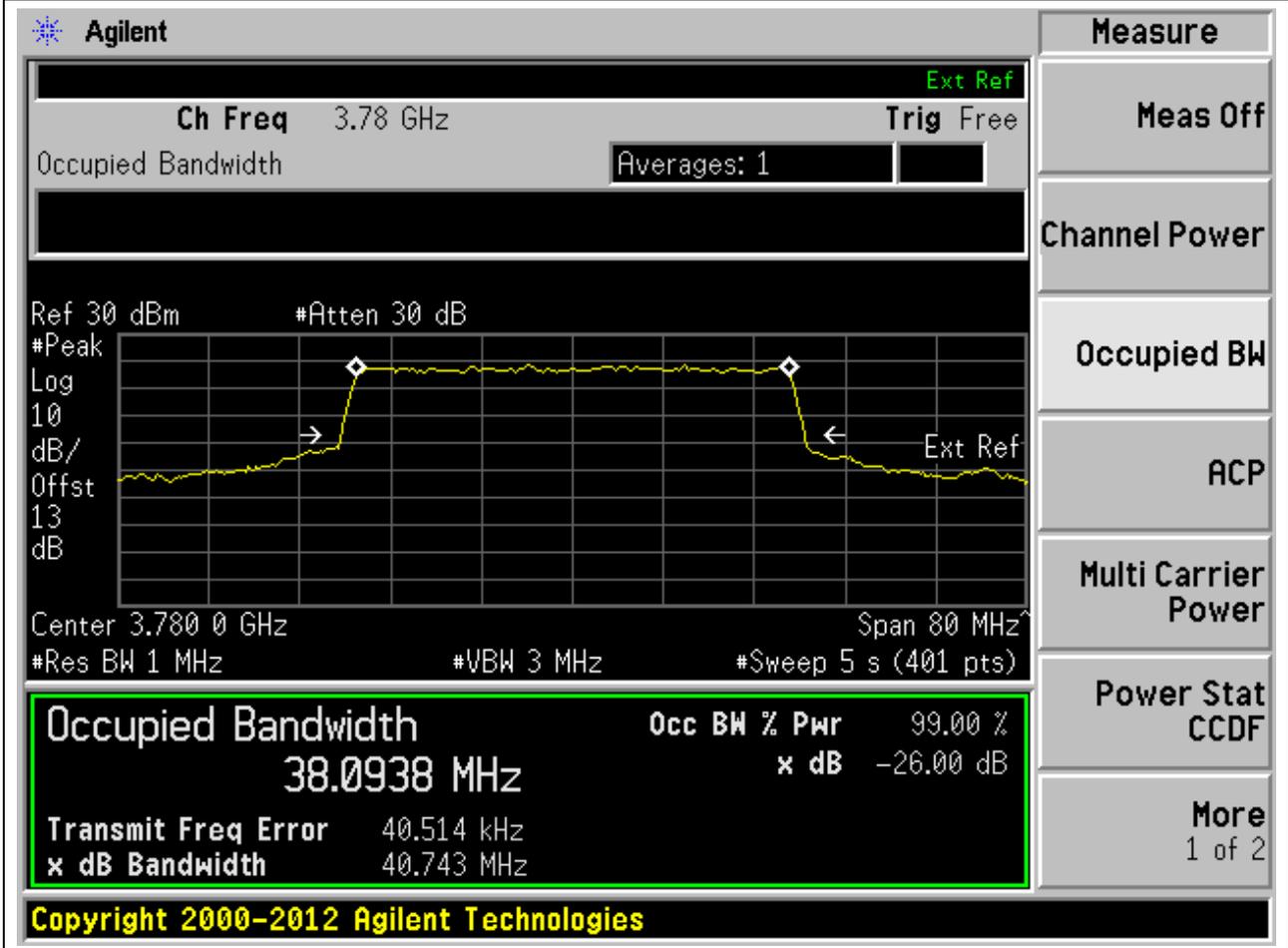
Measurement	Value
Occupied Bandwidth	38.1118 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	33.468 kHz
x dB Bandwidth	40.829 MHz

Other visible parameters include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.2 dB, Center 3.750 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.21. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652000, Bandwidth:40, SCS:30, 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
3780	99	26	1	Peak	38.09	40.74	40	Pass



1.22. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648000, Bandwidth:40, SCS:30, 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
3720	99	26	1	Peak	38.03	40.74	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:

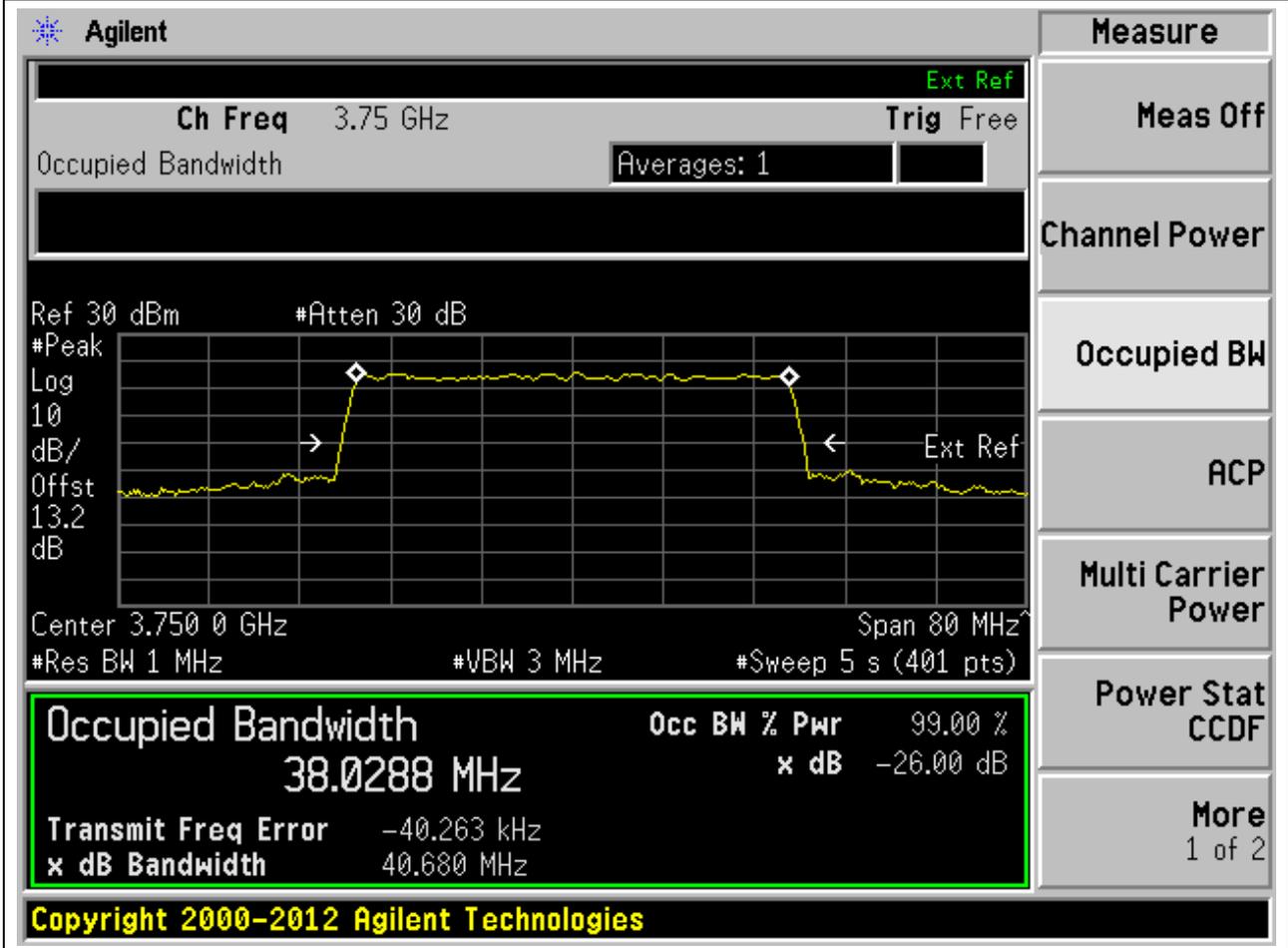
Measurement	Value
Occupied Bandwidth	38.0277 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-31.838 kHz
x dB Bandwidth	40.736 MHz

Additional parameters shown in the interface include: Ch Freq 3.72 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.1 dB, Center 3.720 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.23. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:40, SCS:30, 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
3750	99	26	1	Peak	38.03	40.68	40	Pass



1.24. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652000, Bandwidth:40, SCS:30, 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
3780	99	26	1	Peak	38	40.68	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 3.78 GHz, and the span is 80 MHz. The occupied bandwidth is measured as 37.9974 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -51.691 kHz. The XdB bandwidth is 40.680 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
37.9974 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -51.691 kHz
 x dB Bandwidth: 40.680 MHz

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1.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, 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
3725.01	99	26	1	Peak	47.53	50.27	50	Pass

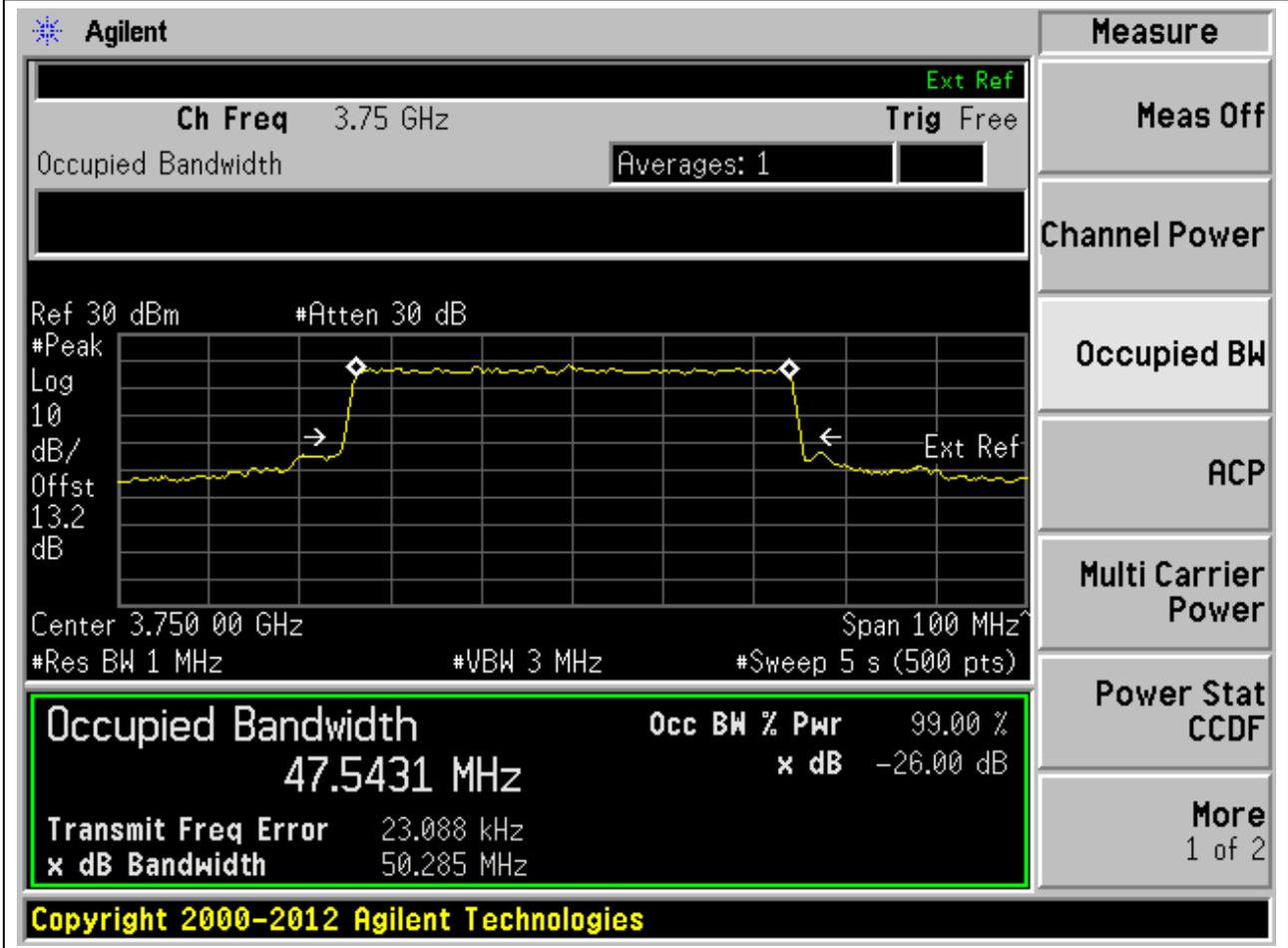
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The trace is centered at 3.72501 GHz with a span of 100 MHz. The signal level is approximately -26 dB. The interface includes various measurement parameters and a summary table.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
47.5313 MHz		x dB	-26.00 dB
Transmit Freq Error	37.721 kHz		
x dB Bandwidth	50.267 MHz		

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1.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	47.54	50.28	50	Pass



1.27. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651666, 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
3774.99	99	26	1	Peak	47.52	50.25	50	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:

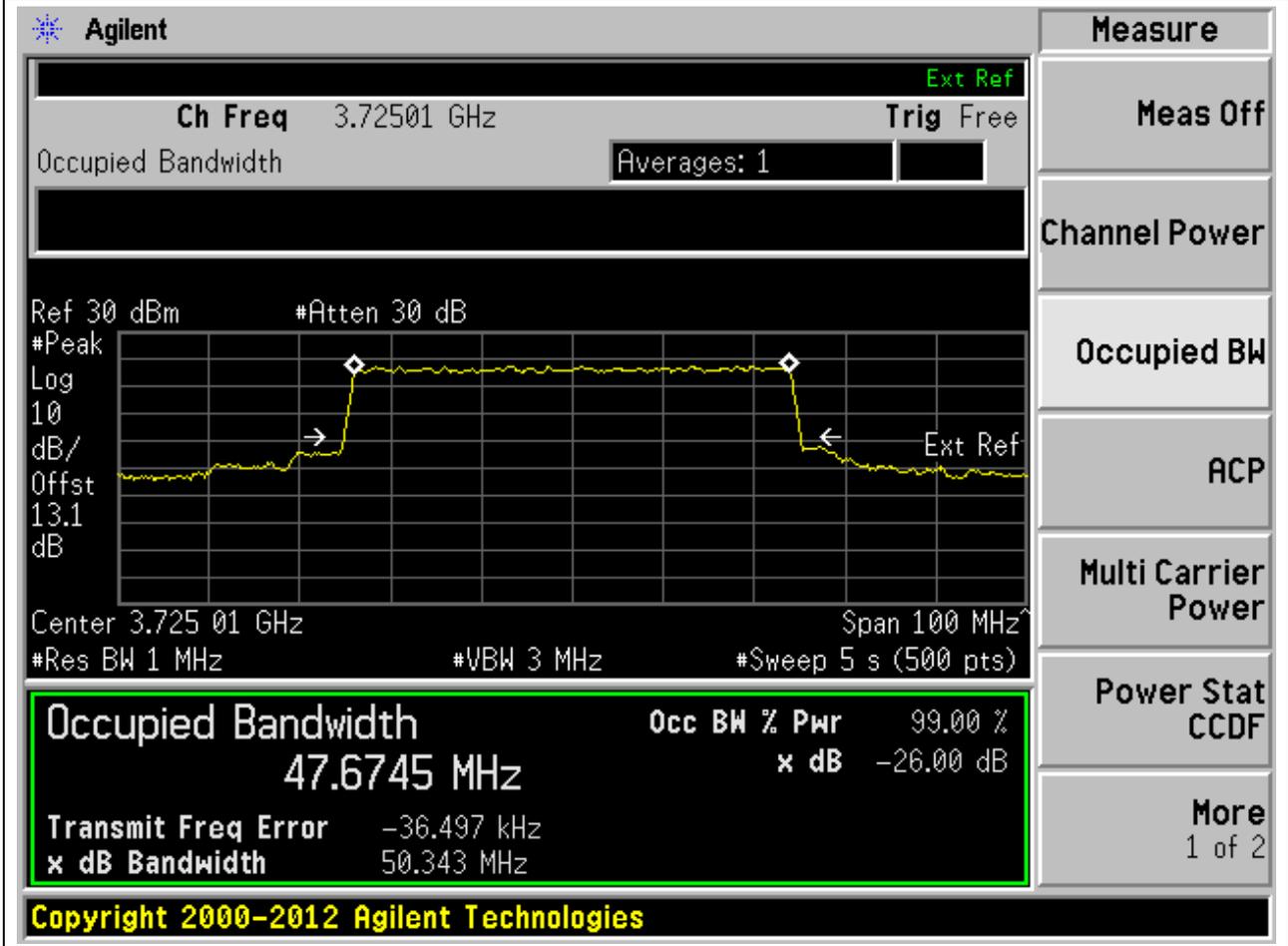
Measurement	Value
Occupied Bandwidth	47.5242 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	22.755 kHz
x dB Bandwidth	50.249 MHz

Additional parameters shown in the interface include: Ch Freq 3.77499 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.1 dB, Center 3.774 99 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (500 pts).

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1.28. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, 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
3725.01	99	26	1	Peak	47.67	50.34	50	Pass



1.29. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	47.76	50.33	50	Pass

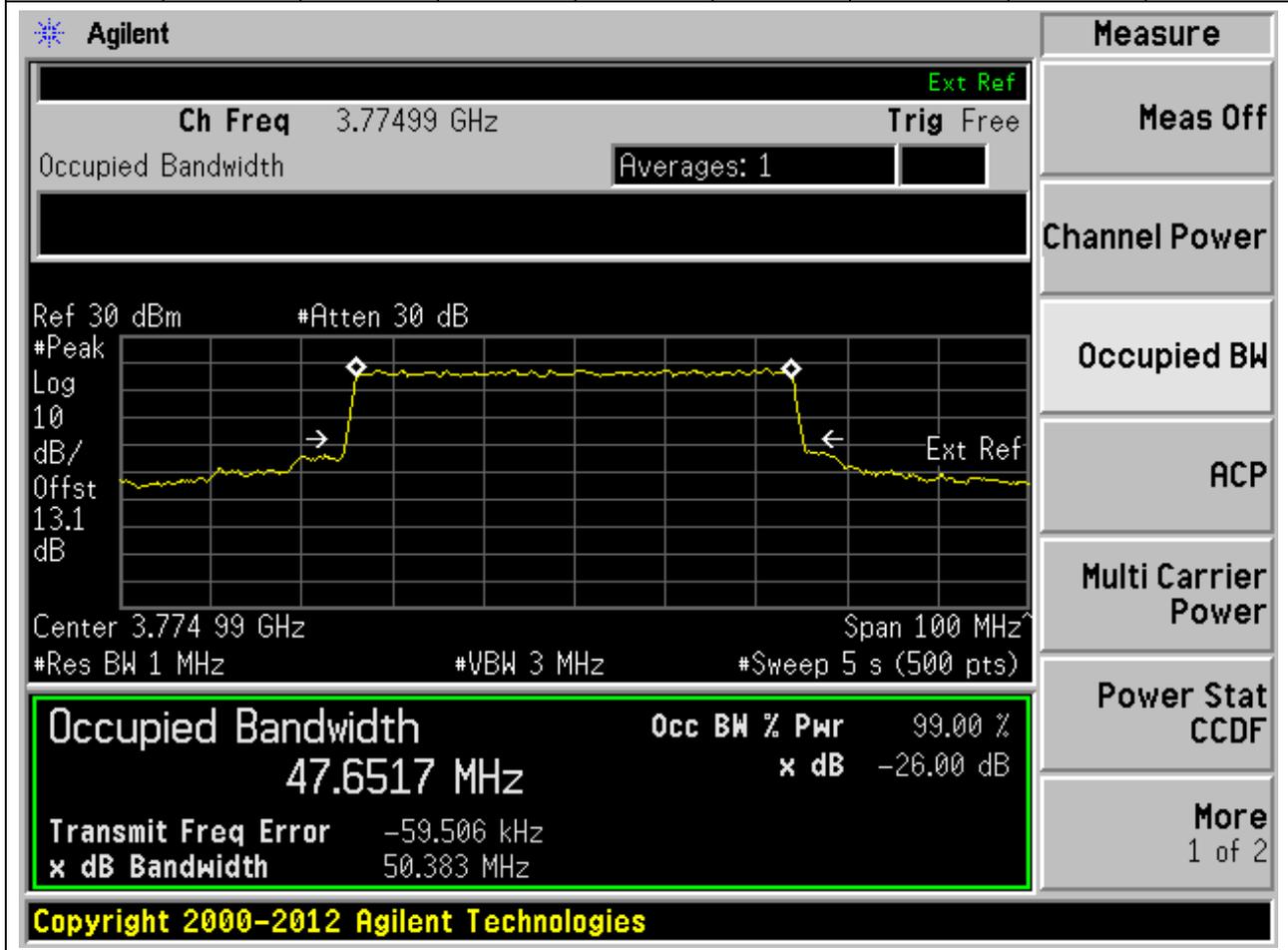
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.75 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.7623 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes 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 status bar shows 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.7623 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 3.378 kHz
 x dB Bandwidth: 50.332 MHz

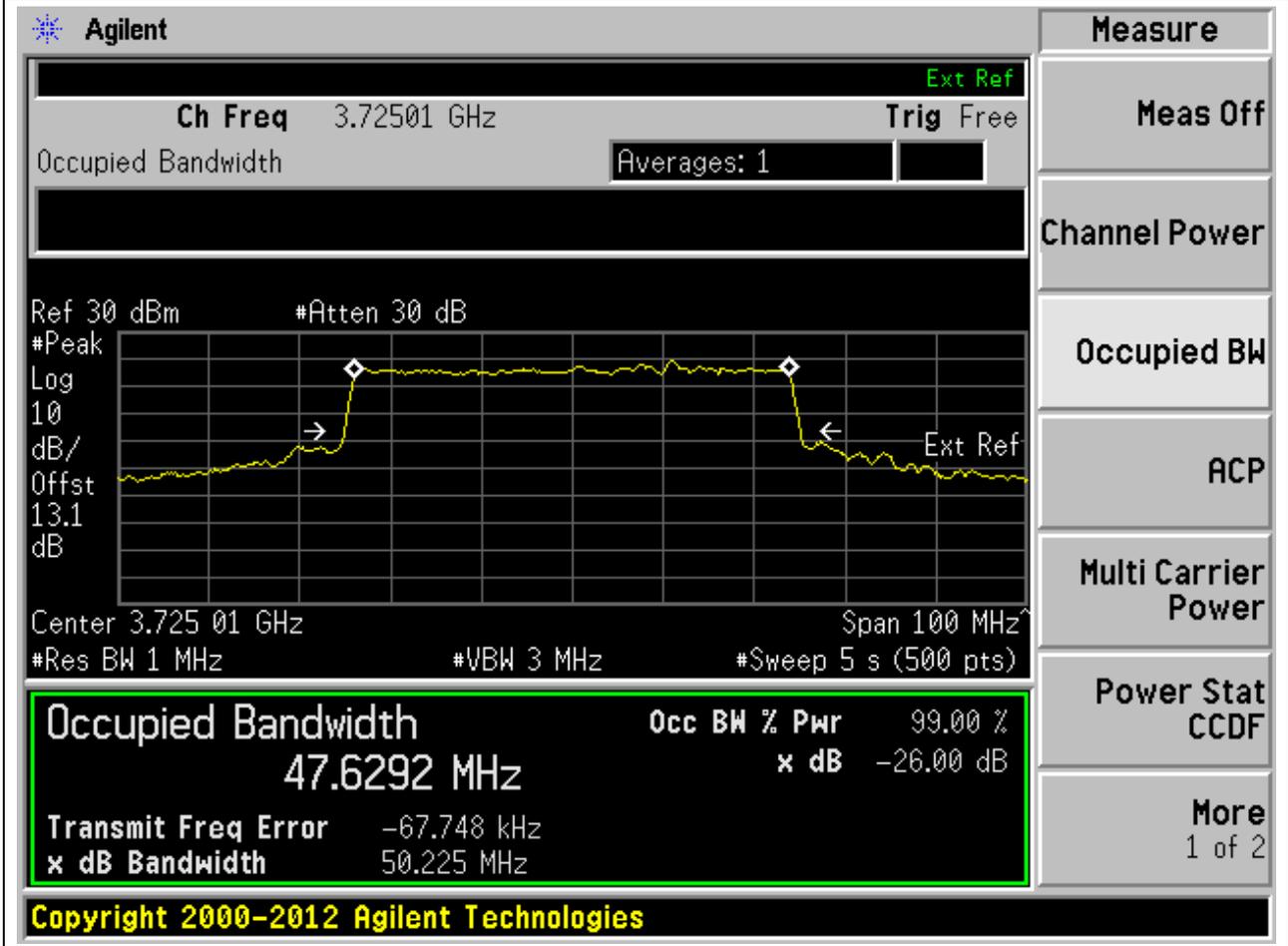
1.30. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3774.99	99	26	1	Peak	47.65	50.38	50	Pass



1.31. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, 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
3725.01	99	26	1	Peak	47.63	50.23	50	Pass



1.32. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	47.63	50.31	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 3.75 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.6318 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
47.6318 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -76.427 kHz
x dB Bandwidth: 50.308 MHz

1.33. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651666, 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
3774.99	99	26	1	Peak	47.6	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 3.77499 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.5971 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
47.5971 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -82.219 kHz
x dB Bandwidth: 50.278 MHz

1.34. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648334, 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
3725.01	99	26	1	Peak	47.6	50.47	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 3.72501 GHz. The occupied bandwidth is highlighted as 47.6031 MHz. The power is 99.00% and the XdB bandwidth is 50.474 MHz. The XdB down is -26.00 dB. The transmit frequency error is 59.125 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
47.6031 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 59.125 kHz
x dB Bandwidth: 50.474 MHz

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1.35. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	47.59	50.41	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 3.75 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.5892 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various control buttons and a summary table at the bottom.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.5892 MHz	x dB	-26.00 dB
Transmit Freq Error	47.838 kHz	
x dB Bandwidth	50.406 MHz	

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1.36. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651666, 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
3774.99	99	26	1	Peak	47.56	50.38	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 3.77499 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.5638 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB bandwidth is -26.00 dB. The transmit frequency error is 41.543 kHz. The XdB bandwidth is 50.383 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'.

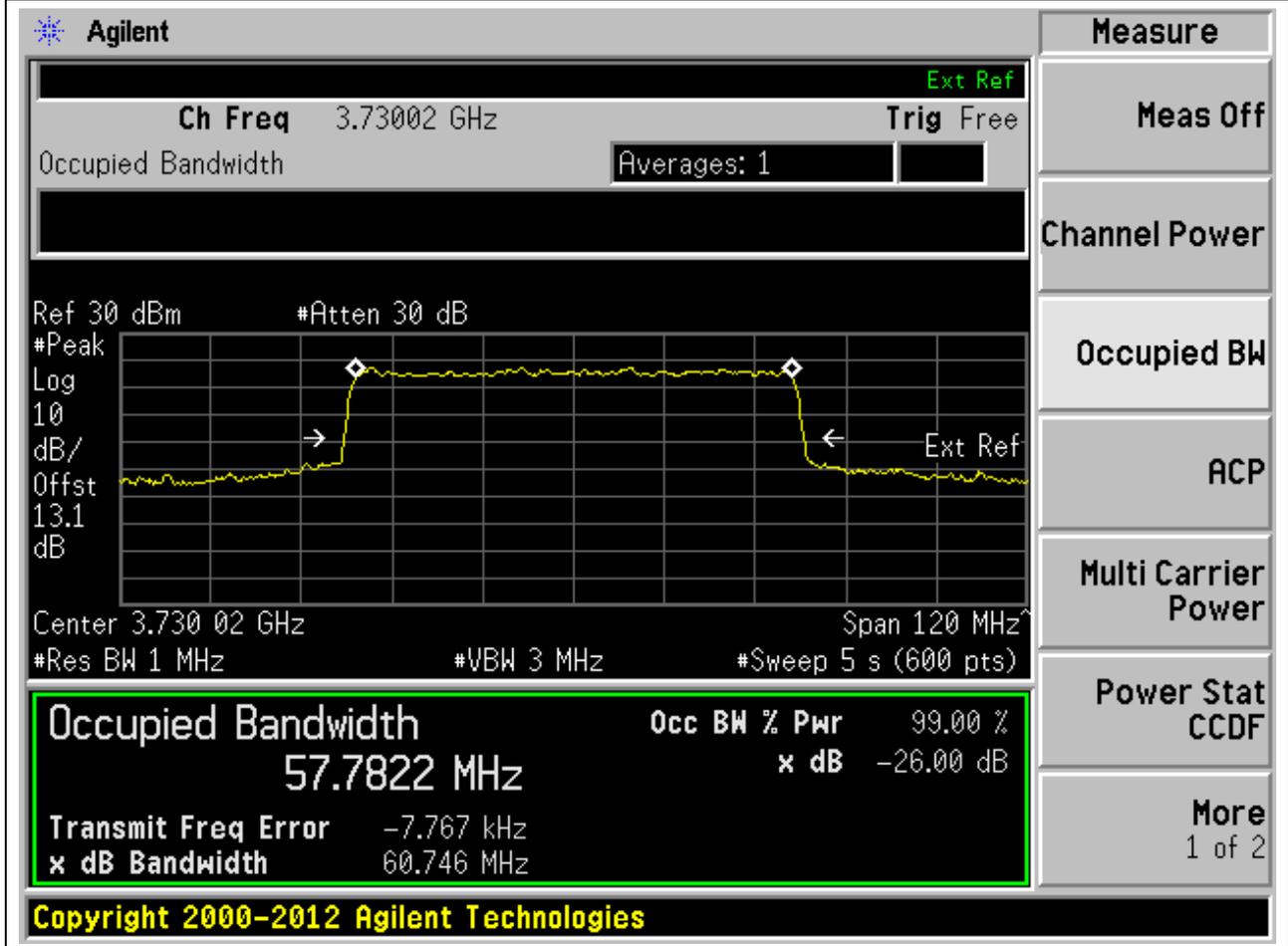
Occupied Bandwidth	Occ BW % Pwr	x dB
47.5638 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 41.543 kHz
 x dB Bandwidth: 50.383 MHz

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1.37. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, 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
3730.02	99	26	1	Peak	57.78	60.75	60	Pass



1.38. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	57.8	60.74	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	57.8028 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.101 kHz
x dB Bandwidth	60.738 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.2 dB, Center 3.750 00 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

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1.39. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651332, 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
3769.98	99	26	1	Peak	57.81	60.89	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 3.76998 GHz and the span is 120 MHz. The occupied bandwidth is measured as 57.8072 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -22.251 kHz. The XdB bandwidth is 60.891 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
57.8072 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -22.251 kHz
 x dB Bandwidth: 60.891 MHz

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1.40. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, 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
3730.02	99	26	1	Peak	57.76	61.12	60	Pass

Agilent

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

Ch Freq 3.73002 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak

Center 3.730 02 GHz
Span 120 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.7587 MHz	x dB -26.00 dB
Transmit Freq Error 54.224 kHz	
x dB Bandwidth 61.117 MHz	

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1.41. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	57.79	60.92	60	Pass

Agilent

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

Ch Freq 3.75 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak
Log 10 dB/Offst 13.2 dB

Center 3.750 00 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
57.7857 MHz	x dB	-26.00 dB
Transmit Freq Error	41.286 kHz	
x dB Bandwidth	60.916 MHz	

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1.42. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651332, 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
3769.98	99	26	1	Peak	57.75	60.84	60	Pass

Agilent

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

Ch Freq 3.76998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 3.769 98 GHz
Span 120 MHz

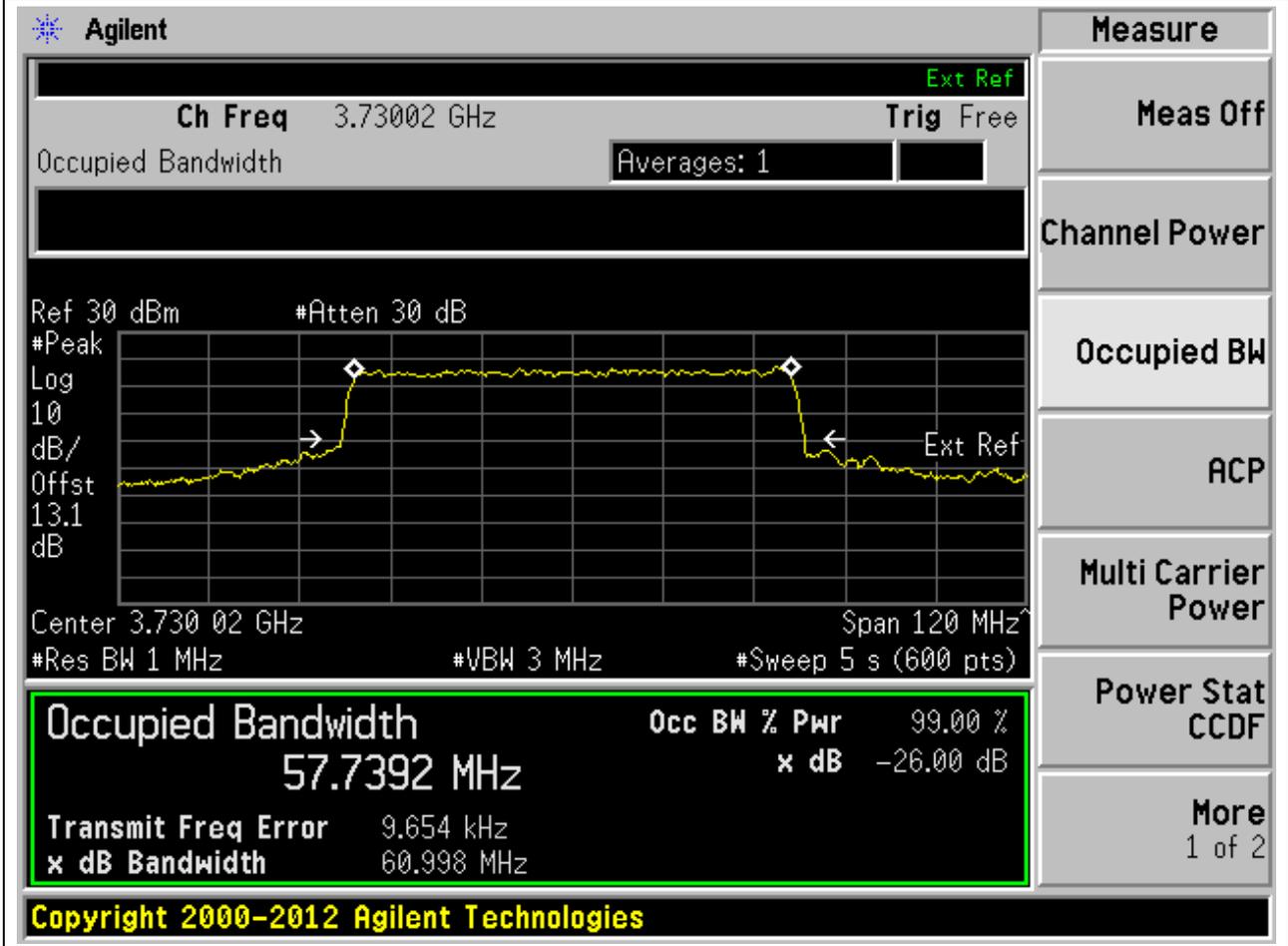
#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.7540 MHz	x dB -26.00 dB
Transmit Freq Error	37.876 kHz
x dB Bandwidth	60.837 MHz

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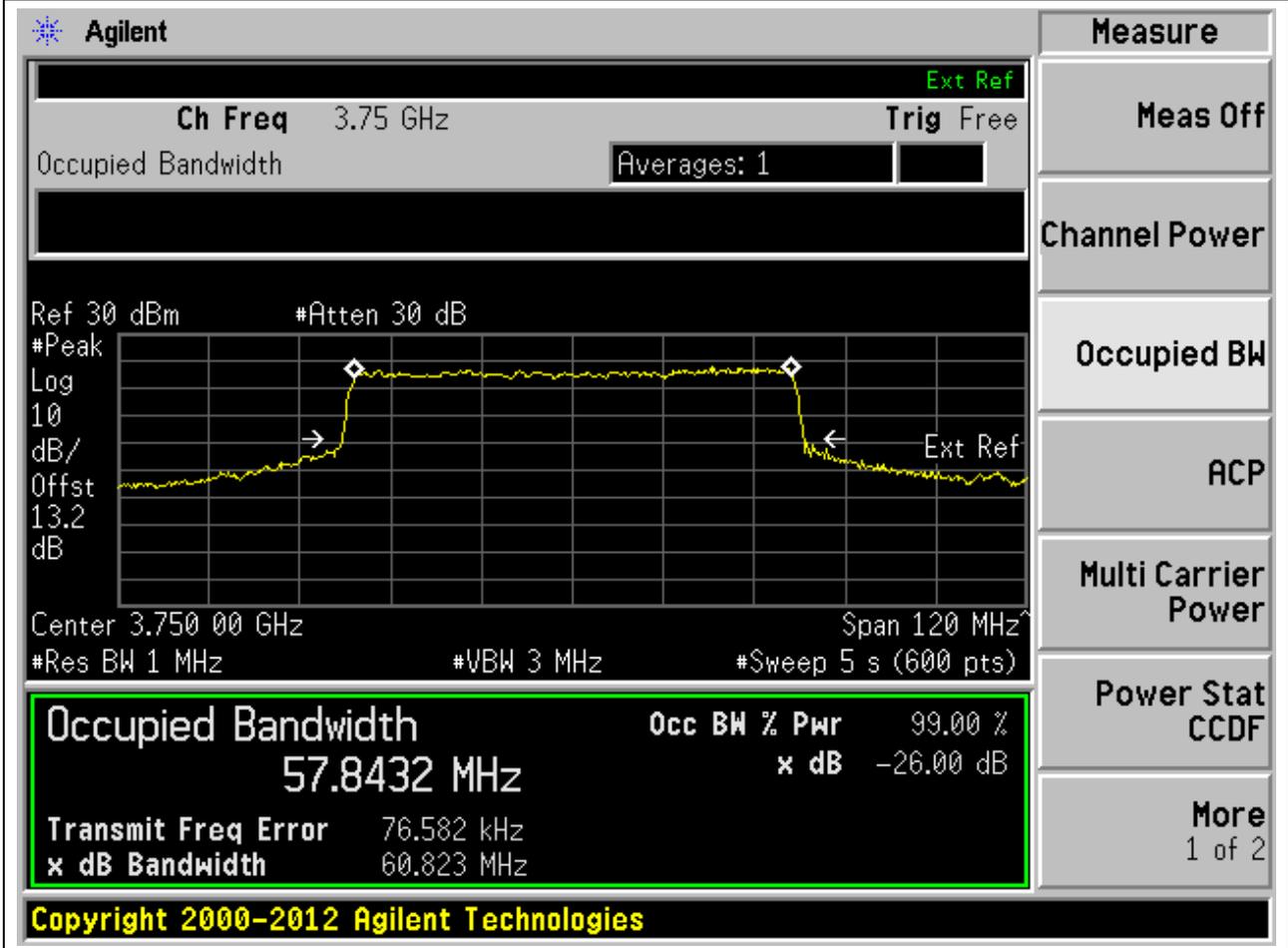
1.43. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3730.02	99	26	1	Peak	57.74	61	60	Pass



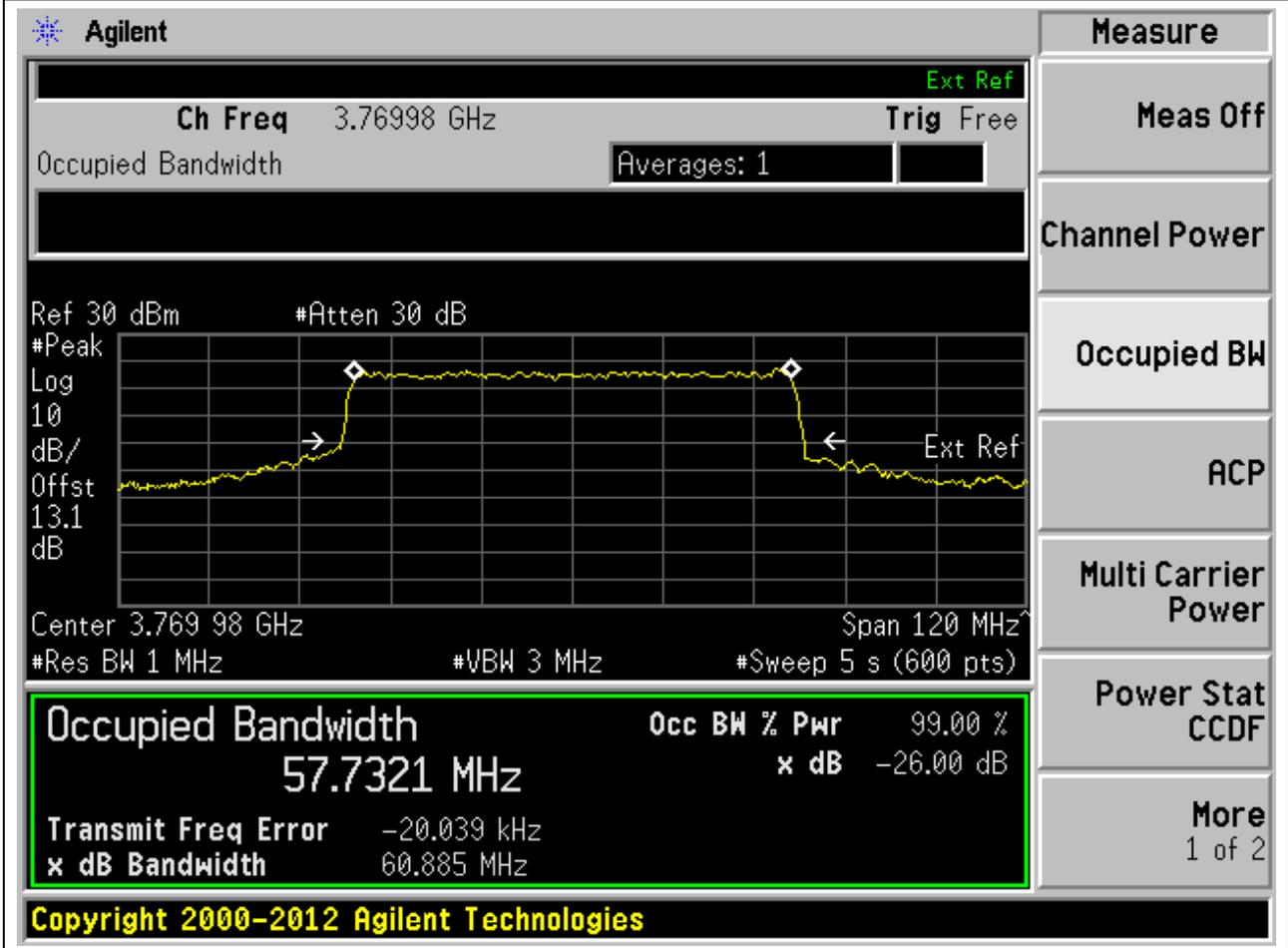
1.44. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	57.84	60.82	60	Pass



1.45. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651332, 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
3769.98	99	26	1	Peak	57.73	60.89	60	Pass



1.46. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:648668, 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
3730.02	99	26	1	Peak	57.97	60.73	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 3.73002 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted as 57.9709 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
57.9709 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -126.469 kHz
 x dB Bandwidth: 60.733 MHz

1.47. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	57.94	60.75	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	57.9413 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-141.988 kHz
x dB Bandwidth	60.754 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.2 dB, Center 3.750 00 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

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1.48. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651332, 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
3769.98	99	26	1	Peak	57.93	60.77	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 3.76998 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted as 57.9264 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

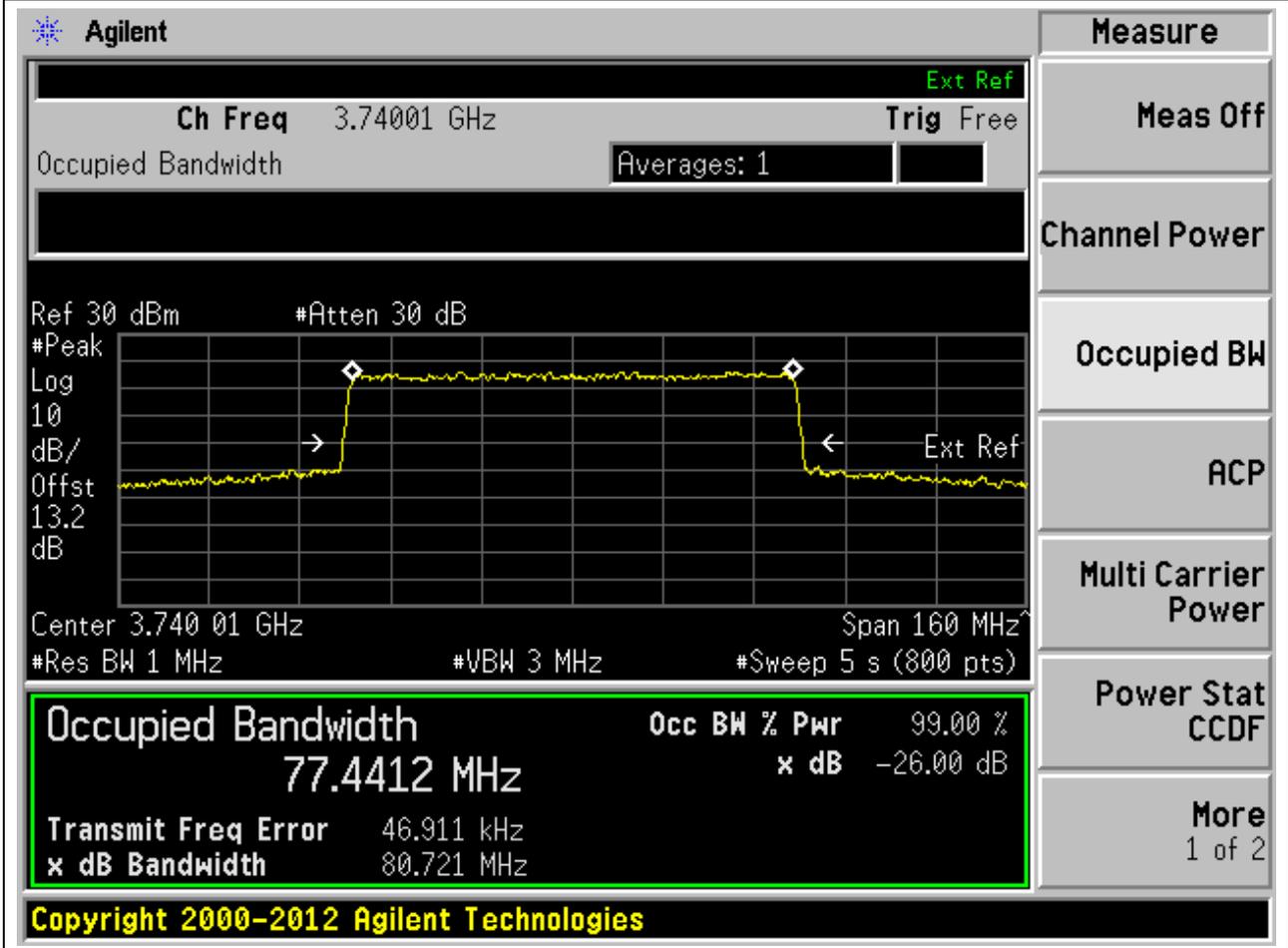
Occupied Bandwidth	Occ BW % Pwr	x dB
57.9264 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -154.073 kHz
x dB Bandwidth: 60.765 MHz

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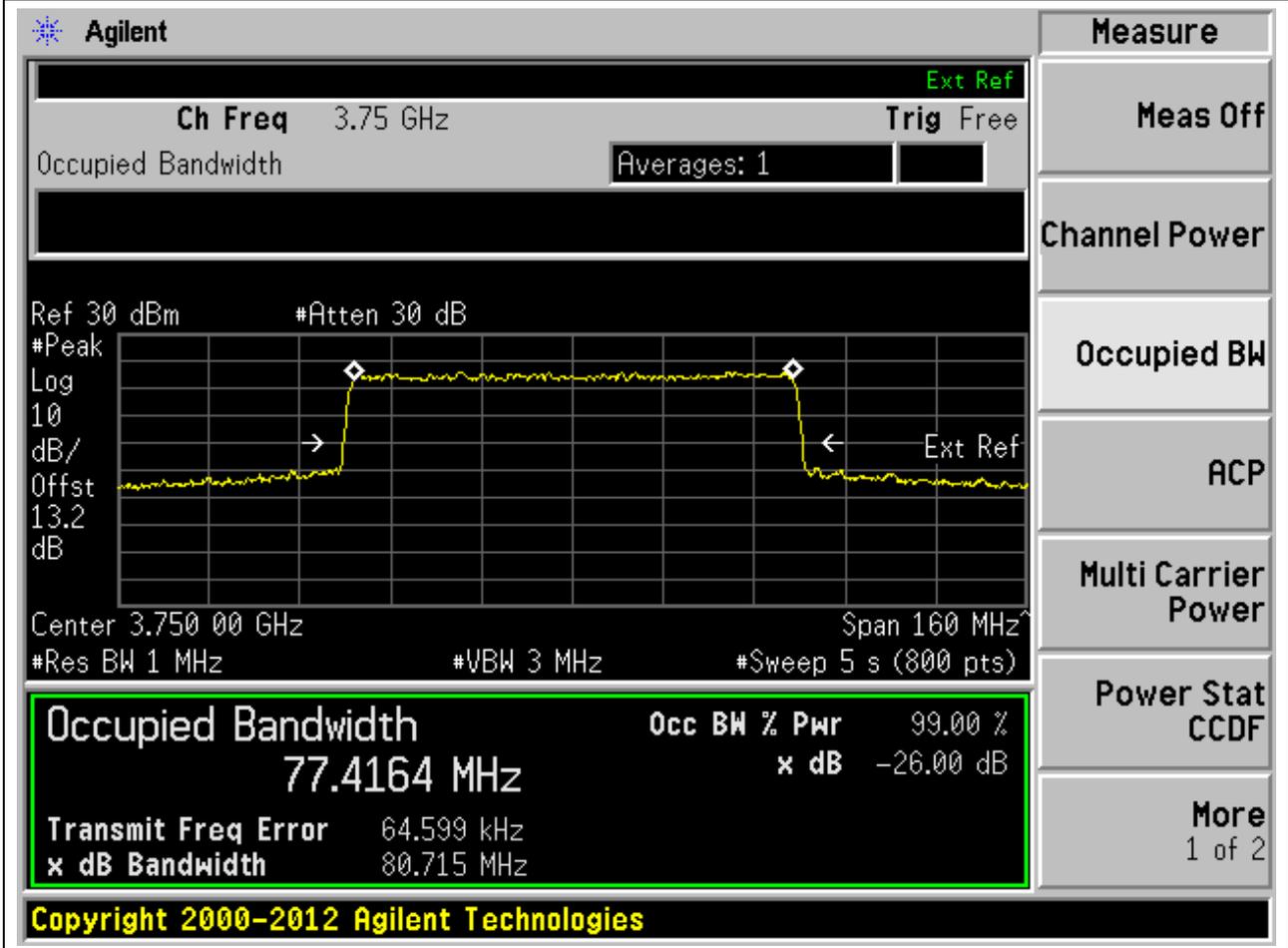
1.49. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3740.01	99	26	1	Peak	77.44	80.72	80	Pass



1.50. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	77.42	80.71	80	Pass



1.51. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650666, 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
3759.99	99	26	1	Peak	77.39	80.67	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:

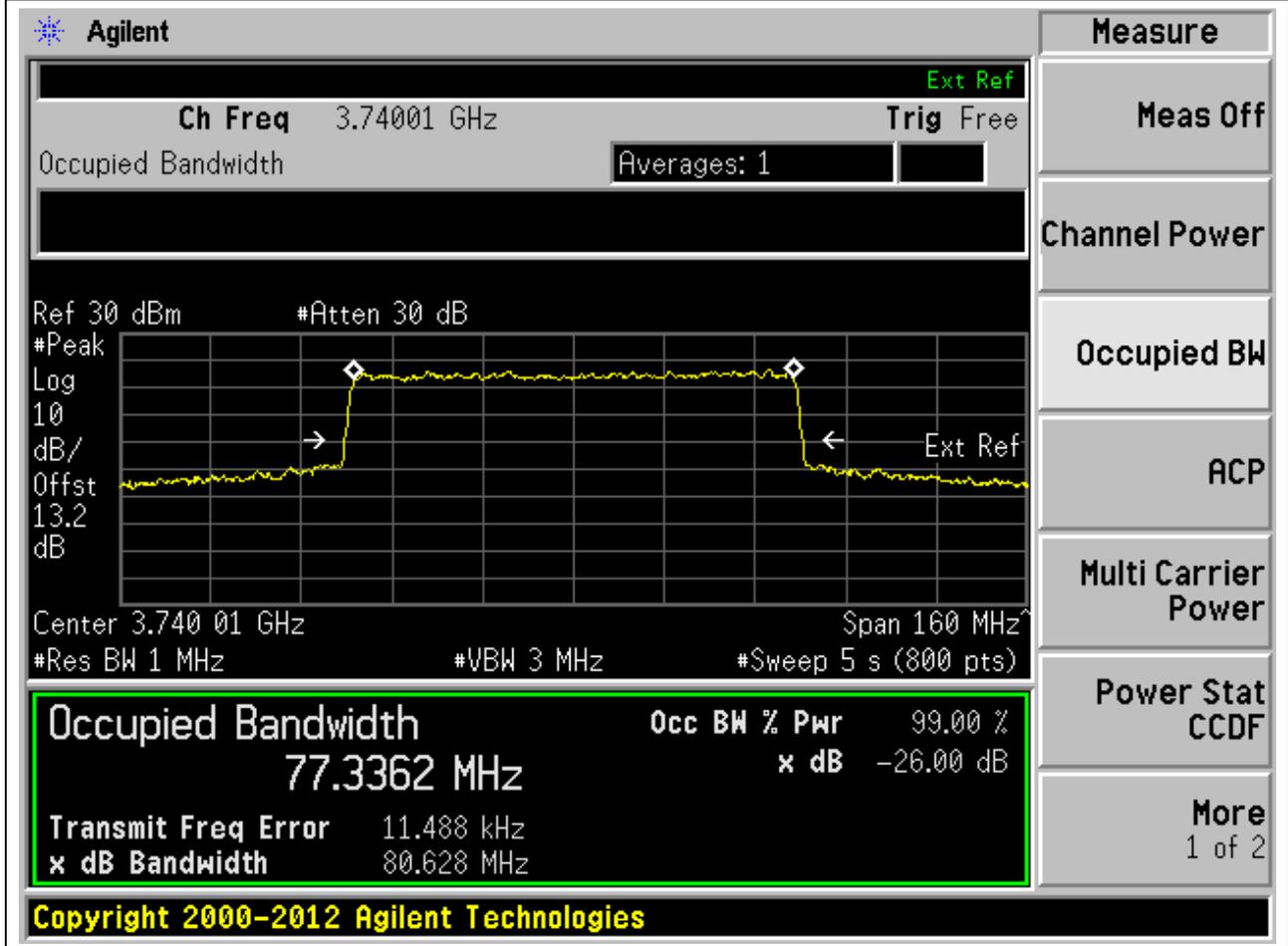
Measurement	Value
Occupied Bandwidth	77.3898 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	16.429 kHz
x dB Bandwidth	80.672 MHz

Additional parameters shown in the interface include: Ch Freq 3.75999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.1 dB, Center 3.759 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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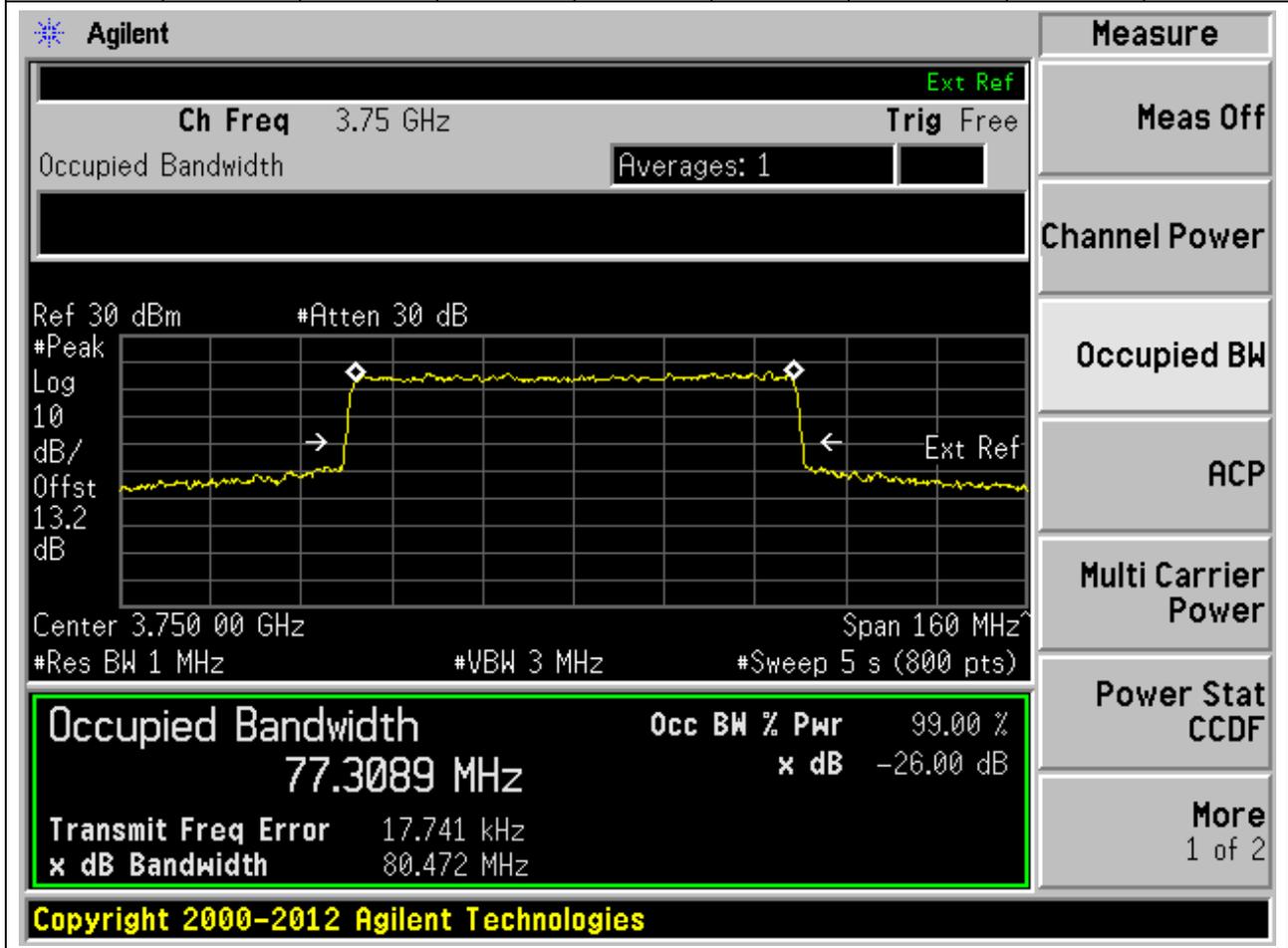
1.52. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3740.01	99	26	1	Peak	77.34	80.63	80	Pass



1.53. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	77.31	80.47	80	Pass



1.54. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650666, 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
3759.99	99	26	1	Peak	77.32	80.51	80	Pass

Agilent

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

Ch Freq 3.75999 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

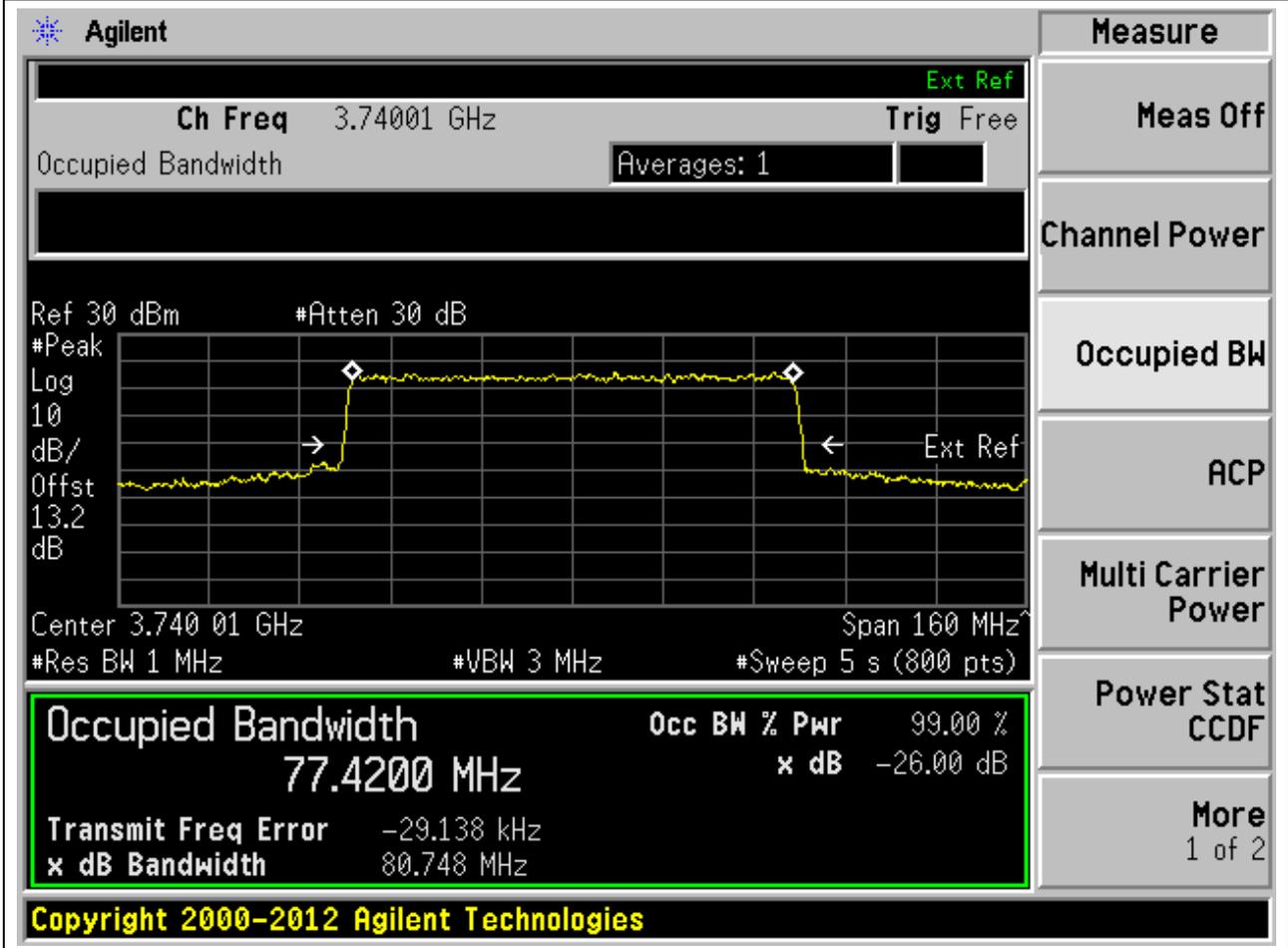
Center 3.759 99 GHz Span 160 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
77.3224 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.851 kHz	
x dB Bandwidth	80.505 MHz	

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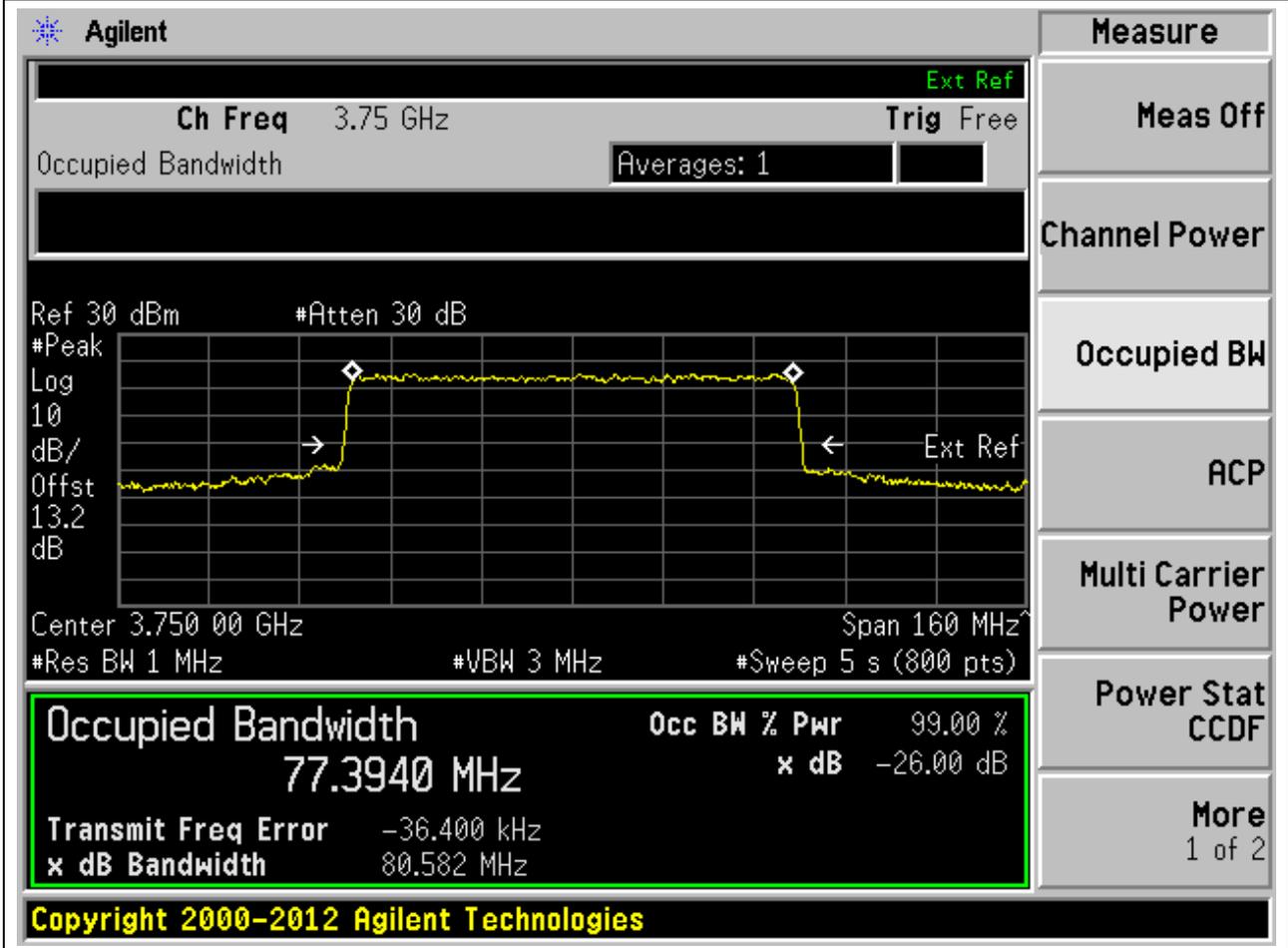
1.55. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3740.01	99	26	1	Peak	77.42	80.75	80	Pass



1.56. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	77.39	80.58	80	Pass



1.57. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650666, 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
3759.99	99	26	1	Peak	77.38	80.66	80	Pass

Agilent
Measure

Ch Freq 3.75999 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 13.1 dB

Center 3.759 99 GHz Span 160 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

77.3815 MHz

Transmit Freq Error -69.911 kHz

x dB Bandwidth 80.665 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.58. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649334, 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
3740.01	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 3.74001 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4228 MHz. The power is 99.00% and the XdB bandwidth is 80.443 MHz. The XdB down is -26.00 dB. The transmit frequency error is -31.334 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
77.4228 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -31.334 kHz
x dB Bandwidth: 80.443 MHz

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1.59. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	77.42	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 3.75 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4211 MHz. The power is 99.00% and the XdB bandwidth is 80.405 MHz. The XdB down is -26.00 dB. The transmit frequency error is -26.262 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
77.4211 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -26.262 kHz
x dB Bandwidth: 80.405 MHz

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1.60. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650666, 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
3759.99	99	26	1	Peak	77.4	80.54	80	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	77.3977 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-56.864 kHz
x dB Bandwidth	80.538 MHz

Additional parameters shown in the interface include: Ch Freq 3.75999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.1 dB, Center 3.759 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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1.61. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.32	90.6	90	Pass

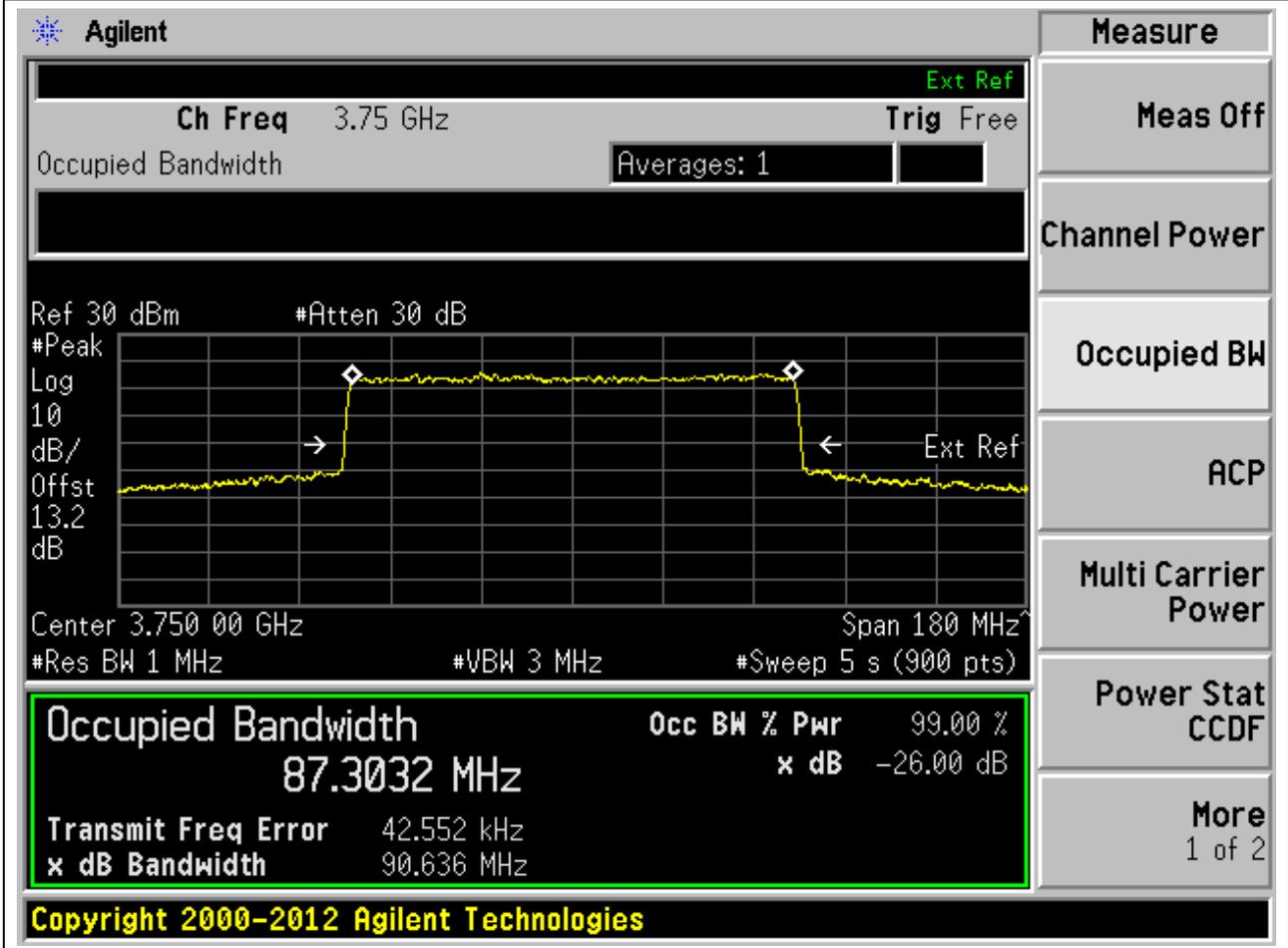
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The measurement results are summarized in a table at the bottom of the screen:

Measurement	Value	Unit
Occupied Bandwidth	87.3164	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	32.829	kHz
x dB Bandwidth	90.596	MHz

Additional parameters shown in the interface include: Ch Freq 3.74502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.2 dB, Center 3.745 02 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts).

1.62. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	87.3	90.64	90	Pass



1.63. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650332, 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
3754.98	99	26	1	Peak	87.28	90.68	90	Pass

Agilent

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

Ch Freq 3.75498 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 13.2
 dB

Center 3.754 98 GHz
Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.2822 MHz	x dB -26.00 dB
Transmit Freq Error 25.477 kHz	
x dB Bandwidth 90.677 MHz	

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1.64. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.64	90.72	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 3.74502 GHz, and the span is 180 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.6362 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.74502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.2 dB, Center 3.745 02 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts), Transmit Freq Error -7.689 kHz, and x dB Bandwidth 90.716 MHz.

1.65. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	87.61	90.62	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	87.6108 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-15.021 kHz
x dB Bandwidth	90.624 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.2 dB, Center 3.750 00 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts).

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1.66. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650332, 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
3754.98	99	26	1	Peak	87.6	90.69	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.75498 GHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen, showing 87.6019 MHz. The power is 99.00% and the XdB bandwidth is 90.690 MHz. The XdB down is -26.00 dB. The transmit frequency error is -23.908 kHz. The resolution bandwidth (RBW) is 1 MHz, the video bandwidth (VBW) is 3 MHz, and the sweep time is 5 s (900 pts). The span is 180 MHz. The reference level is 30 dBm and the attenuation is 30 dB. The detector is set to Peak. The upper limit is 90 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.6019 MHz	99.00 %	-26.00 dB

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1.67. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.42	90.81	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 3.74502 GHz, and the span is 180 MHz. The occupied bandwidth is highlighted in a green box as 87.4166 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface also shows various measurement parameters like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
87.4166 MHz	99.00 %	-26.00 dB

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1.68. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	87.4	90.71	90	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 3.75 GHz with a span of 180 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (900 points). The signal level is approximately -26 dBm, and the occupied bandwidth is 87.3978 MHz. The power is 99.00% of the total power. The XdB bandwidth is 90.715 MHz. The transmit frequency error is 76.719 kHz. The XdB bandwidth is 90.715 MHz. 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'. The 'Occupied BW' option is highlighted.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.3978 MHz	99.00 %	-26.00 dB

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1.69. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650332, 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
3754.98	99	26	1	Peak	87.39	90.73	90	Pass

Agilent
Measure

Ch Freq 3.75498 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

87.3909 MHz

Transmit Freq Error 53.619 kHz

x dB Bandwidth 90.726 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.70. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649668, 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
3745.02	99	26	1	Peak	87.37	90.65	90	Pass

Agilent
Measure

Ch Freq 3.74502 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.745 02 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

87.3660 MHz

Transmit Freq Error 80.169 kHz

x dB Bandwidth 90.655 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.71. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	87.37	90.63	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 3.75 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.3740 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various control buttons and a summary table.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
87.3740 MHz		x dB	-26.00 dB
Transmit Freq Error	79.761 kHz		
x dB Bandwidth	90.627 MHz		

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1.72. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650332, 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
3754.98	99	26	1	Peak	87.36	90.64	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	87.3571 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	78.792 kHz
x dB Bandwidth	90.644 MHz

Additional parameters shown in the interface include: Ch Freq 3.75498 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.2 dB, Center 3.754 98 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (900 pts).

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1.73. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.24	100.83	100	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:

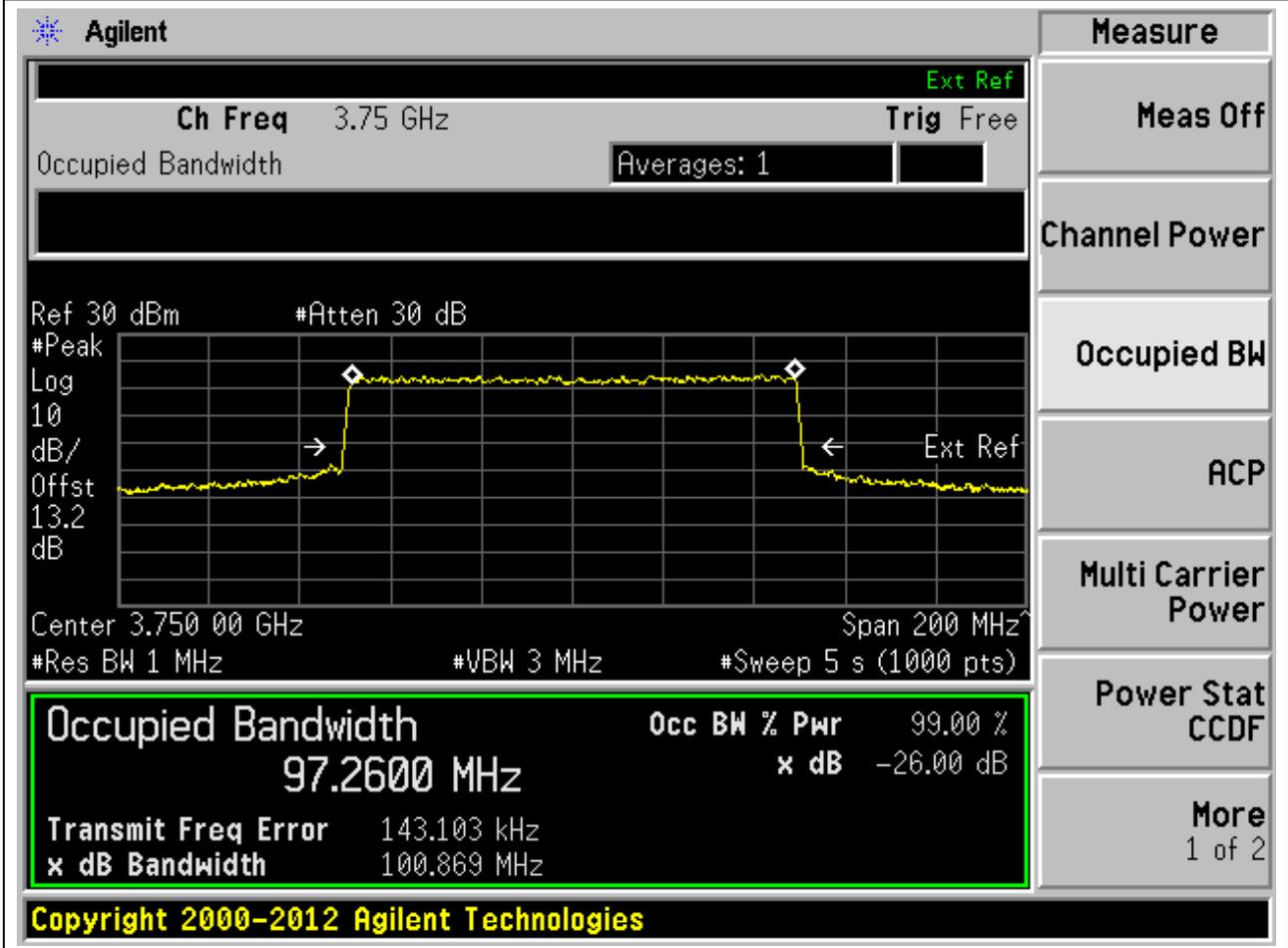
Measurement	Value	Unit
Occupied Bandwidth	97.2360	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	90.218	kHz
x dB Bandwidth	100.830	MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.2 dB, Center 3.750 00 GHz, Span 200 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (1000 pts).

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1.74. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.26	100.87	100	Pass



1.75. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.28	100.67	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 3.75 GHz. The occupied bandwidth is 97.2844 MHz, and the power is 99.00%. The XdB Down is -26.00 dB. The transmit frequency error is 33.389 kHz, and the XdB Bandwidth is 100.669 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
97.2844 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 33.389 kHz
 x dB Bandwidth: 100.669 MHz

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1.76. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, 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
3750	99	26	1	Peak	97.44	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 3.75 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.4372 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -20.032 kHz. The XdB bandwidth is 100.647 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
97.4372 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -20.032 kHz
x dB Bandwidth: 100.647 MHz

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1.77. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.2	30.57	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	28.2019 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.781 kHz
x dB Bandwidth	30.567 MHz

Additional parameters shown in the interface include: Ch Freq 3.71502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13 dB, Center 3.715 02 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.78. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.1	30.66	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	28.0975 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-57.099 kHz
x dB Bandwidth	30.657 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13.2 dB, Center 3.750 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.79. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.18	30.58	30	Pass

Agilent

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

Ch Freq 3.78498 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 13.1
 dB

Center 3.784 98 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1795 MHz	x dB -26.00 dB
Transmit Freq Error	-30.135 kHz
x dB Bandwidth	30.576 MHz

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1.80. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.23	30.55	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:

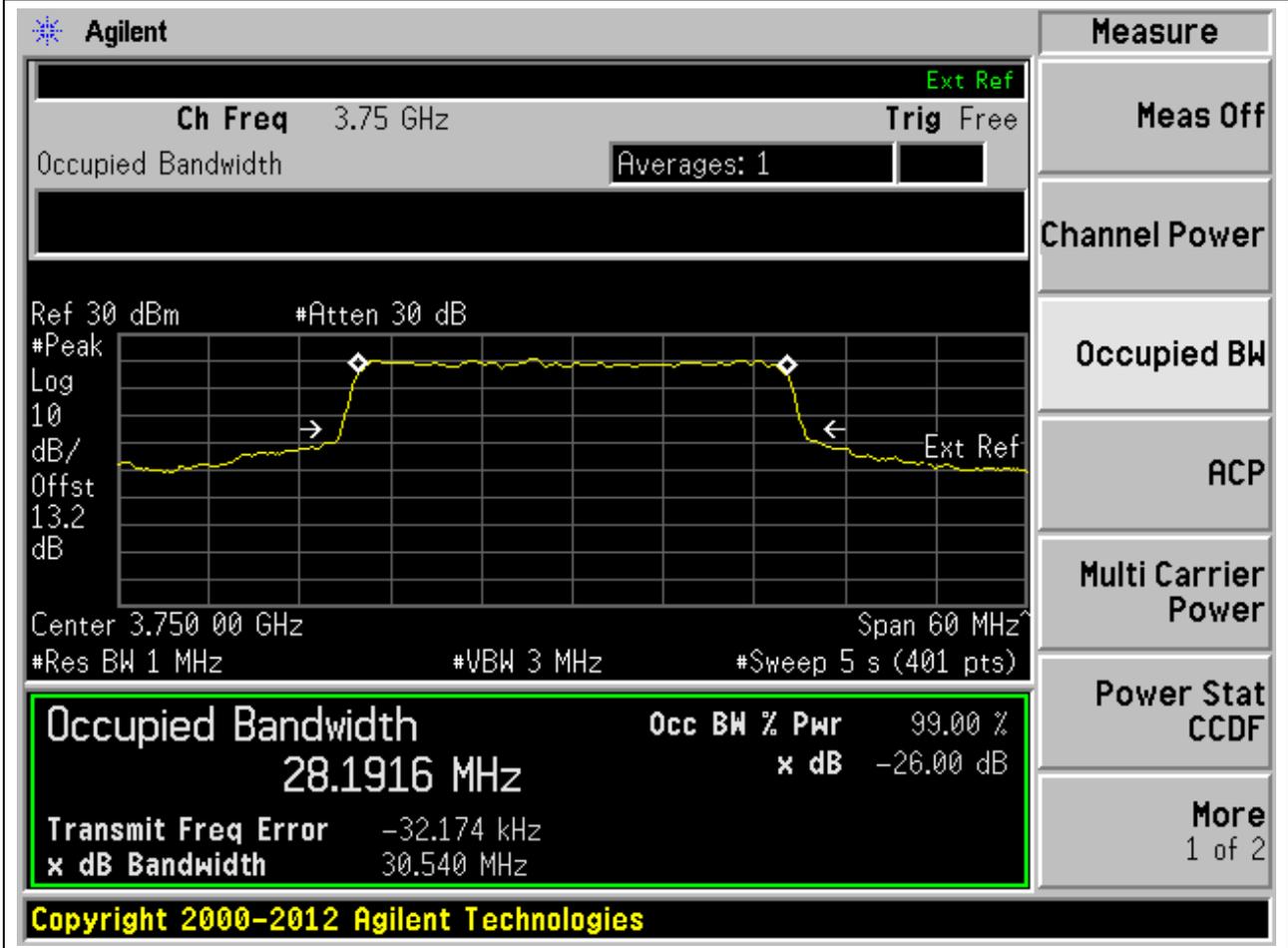
Measurement	Value
Occupied Bandwidth	28.2264 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.208 kHz
x dB Bandwidth	30.551 MHz

Additional parameters shown in the interface include: Ch Freq 3.71502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 13 dB, Center 3.715 02 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.81. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.19	30.54	30	Pass



1.82. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.19	30.5	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the spectrum. The center frequency is 3.78498 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.1940 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
28.1940 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -34.407 kHz
 x dB Bandwidth: 30.499 MHz

1.83. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.33	31.71	30	Pass

Agilent
Measure

Ch Freq 3.71502 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.715 02 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

28.3252 MHz

Transmit Freq Error -58.919 kHz

x dB Bandwidth 31.706 MHz

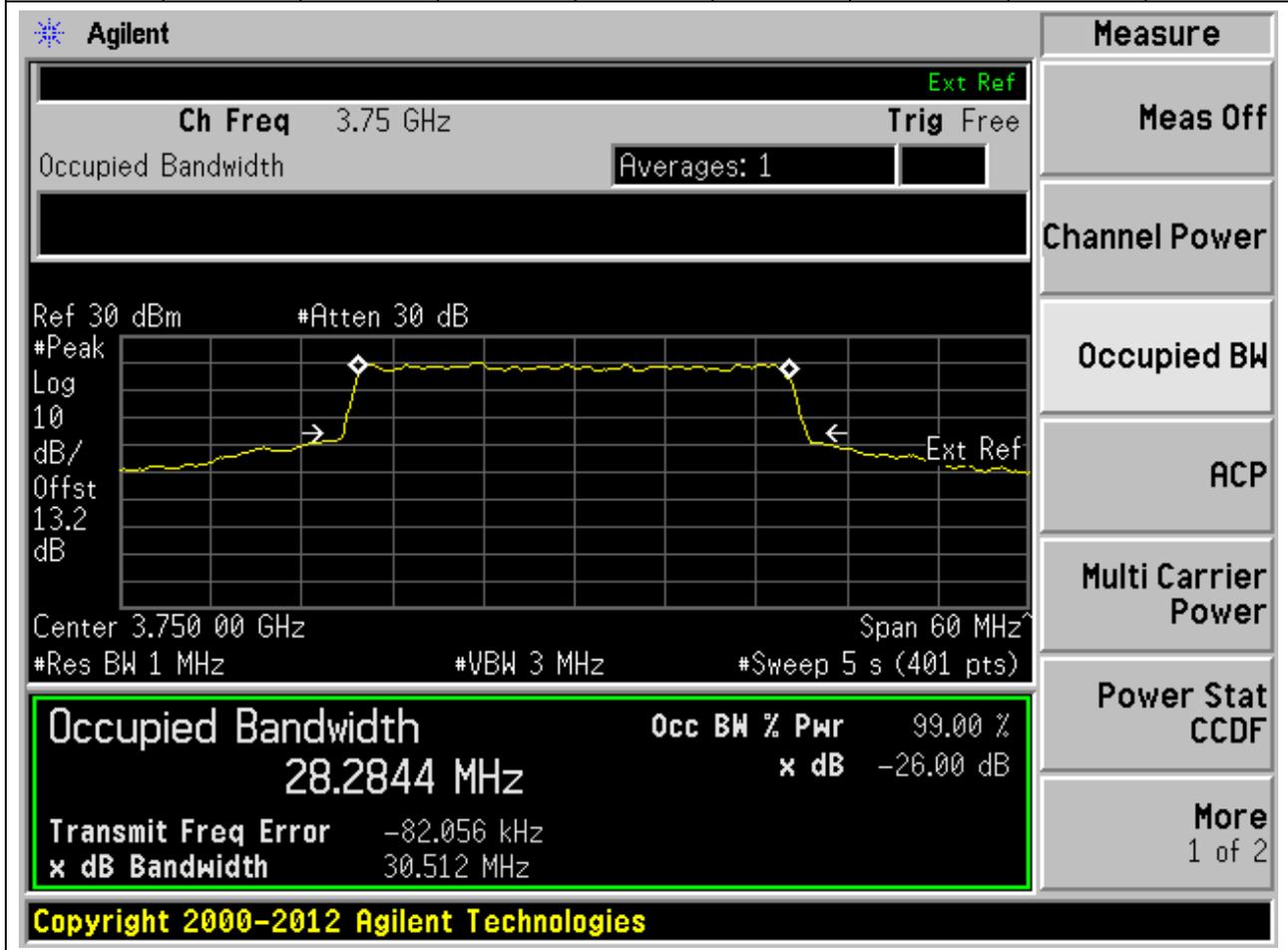
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.84. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.28	30.51	30	Pass



1.85. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.28	30.54	30	Pass

Agilent
Measure

Ch Freq 3.78498 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.784 98 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

28.2773 MHz

Transmit Freq Error -83.249 kHz

x dB Bandwidth 30.537 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.86. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:647668, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.2	30.67	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:

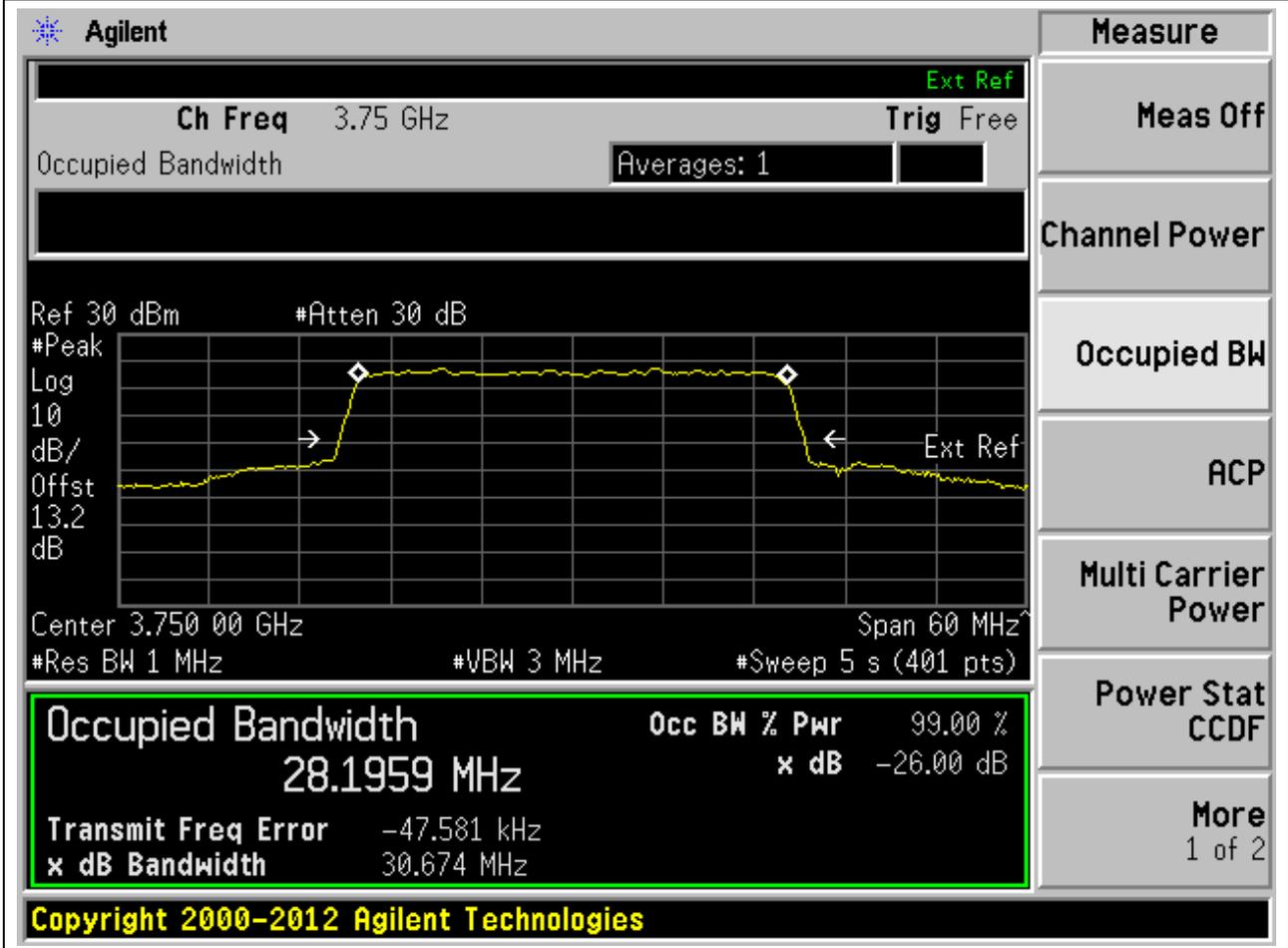
Measurement	Value
Occupied Bandwidth	28.2049 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-39.887 kHz
x dB Bandwidth	30.668 MHz

Additional parameters shown in the interface include: Ch Freq 3.71502 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13 dB, Center 3.715 02 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.87. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.2	30.67	30	Pass



1.88. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:652332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.19	30.67	30	Pass

Agilent
Measure

Ch Freq 3.78498 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 13.1 dB

Center 3.784 98 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

28.1930 MHz

Transmit Freq Error -52.807 kHz

x dB Bandwidth 30.672 MHz

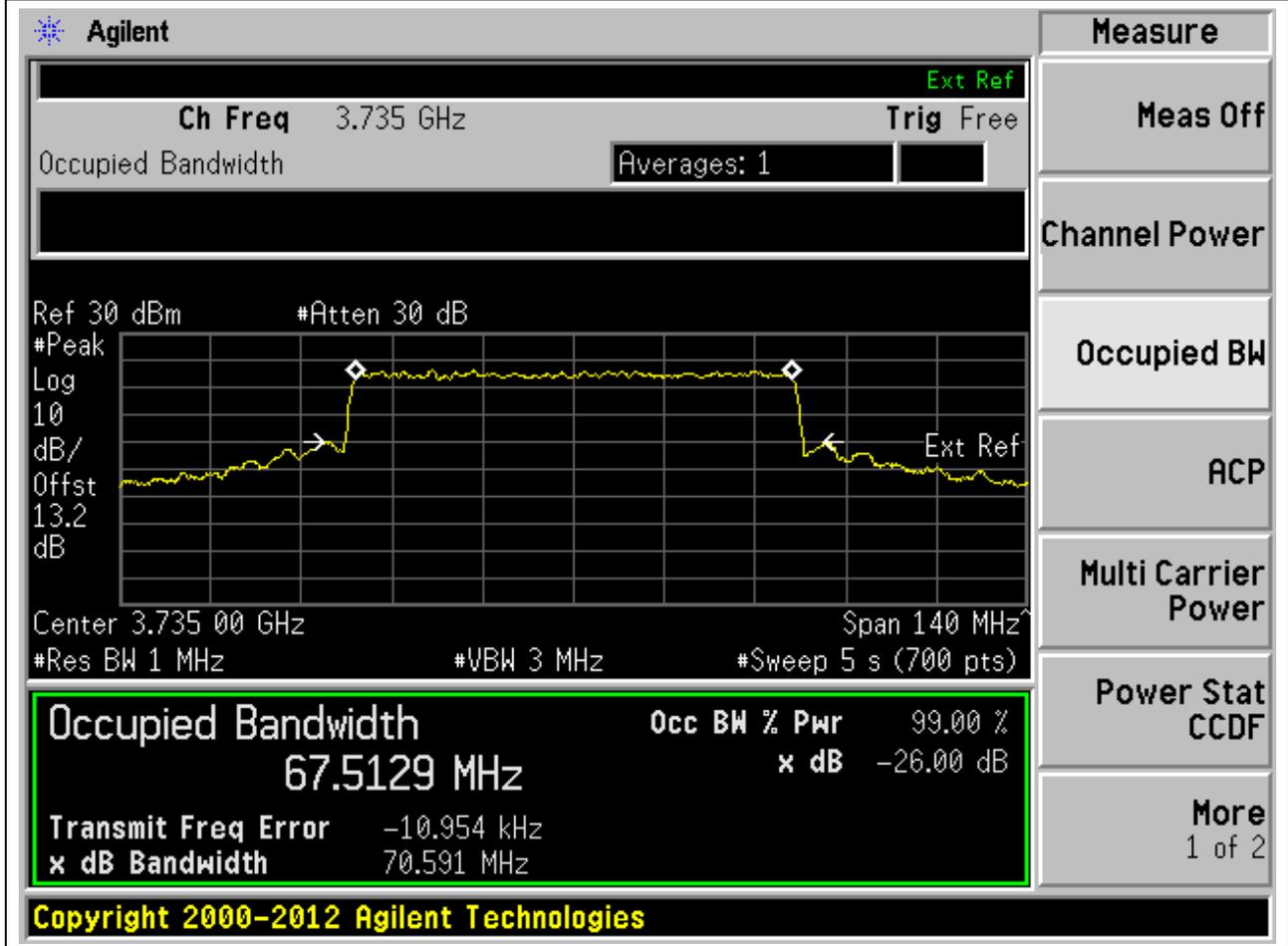
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.89. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.51	70.59	70	Pass



1.90. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	67.51	70.53	70	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	67.5078 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.944 kHz
x dB Bandwidth	70.532 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13.2 dB, Center 3.750 00 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (700 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).

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1.91. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3765	99	26	1	Peak	67.49	70.49	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.765 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.4913 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -32.469 kHz, and the XdB bandwidth is 70.494 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
67.4913 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -32.469 kHz
 x dB Bandwidth: 70.494 MHz

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1.92. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.5	70.57	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.735 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.4978 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 seconds with 700 points. 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.

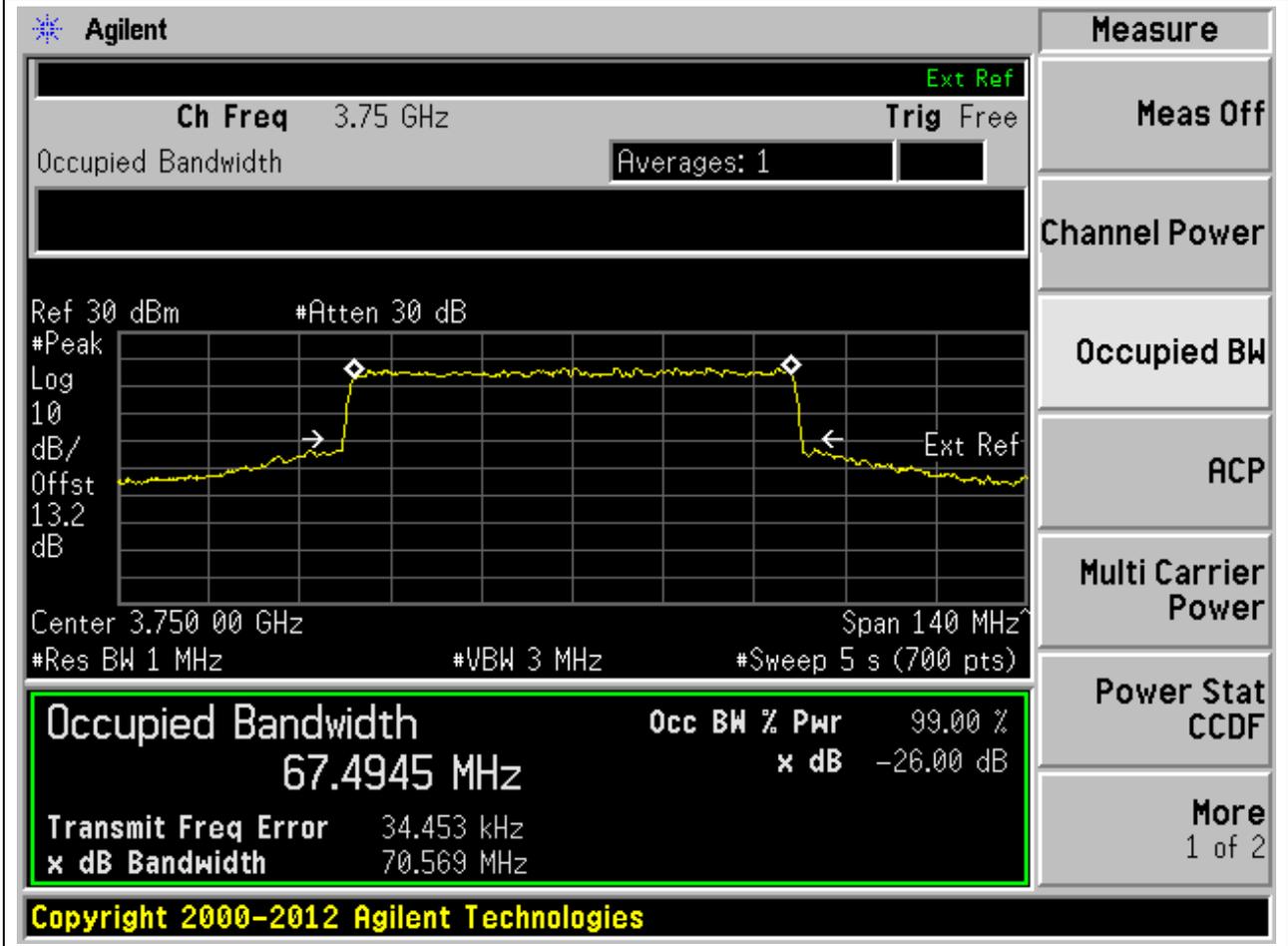
Occupied Bandwidth	Occ BW % Pwr	x dB
67.4978 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 32.665 kHz
x dB Bandwidth: 70.570 MHz

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1.93. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	67.49	70.57	70	Pass



1.94. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3765	99	26	1	Peak	67.5	70.54	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.765 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.4967 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
67.4967 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 14.567 kHz
 x dB Bandwidth: 70.536 MHz

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1.95. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.31	70.5	70	Pass

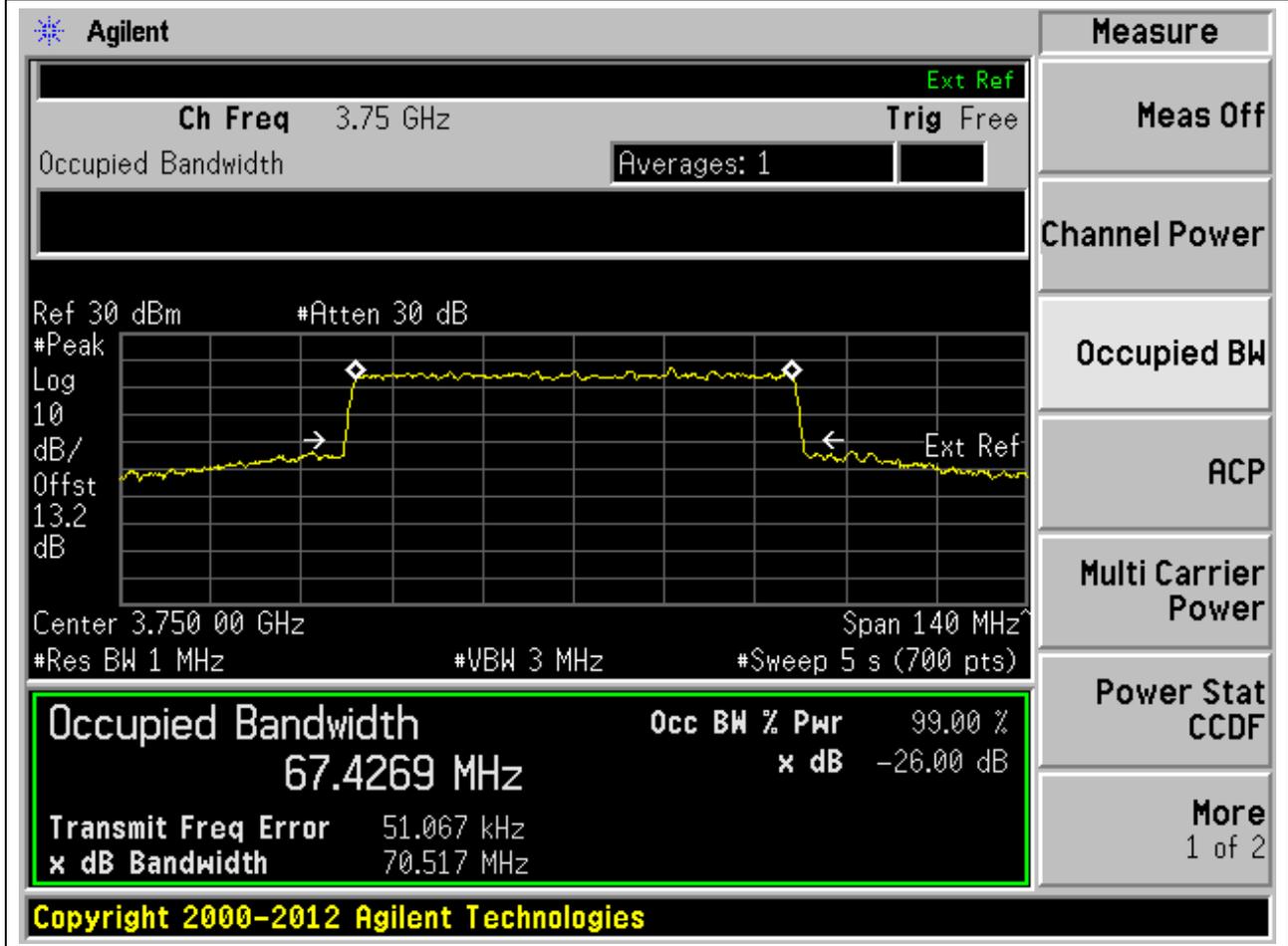
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.735 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.3112 MHz. The power is 99.00% and the XdB down is -26.00 dB. The detector is set to Peak. The RBW is 1 MHz and the VBW is 3 MHz. The sweep time is 5 s (700 pts). 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. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
67.3112 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 56.432 kHz
x dB Bandwidth: 70.504 MHz

1.96. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	67.43	70.52	70	Pass



1.97. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3765	99	26	1	Peak	67.42	70.35	70	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 3.765 GHz with a span of 140 MHz. The signal level is approximately 0 dBm, and the noise floor is around -13.1 dBm. The occupied bandwidth is measured as 67.4161 MHz, which is 99.00% of the 70 MHz channel bandwidth. The XdB Down is -26.00 dB. The interface also shows various settings such as Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s). A table at the bottom of the screen provides the following data:

Occupied Bandwidth	Occ BW % Pwr	x dB
67.4161 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include: Ch Freq 3.765 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.1 dB, Center 3.765 00 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (700 pts), Transmit Freq Error 32.373 kHz, and x dB Bandwidth 70.351 MHz. 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).

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1.98. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:649000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.22	70.5	70	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	67.2196 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	3.318 kHz
x dB Bandwidth	70.501 MHz

Additional parameters shown in the interface include: Ch Freq 3.735 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 13.2 dB, Center 3.735 00 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (700 pts).

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1.99. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:650000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	67.21	70.48	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.75 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.2130 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
67.2130 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -7.946 kHz
x dB Bandwidth: 70.475 MHz

1.100. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:651000, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3765	99	26	1	Peak	67.2	70.39	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.765 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.1960 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -38.528 kHz. The XdB bandwidth is 70.390 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'.

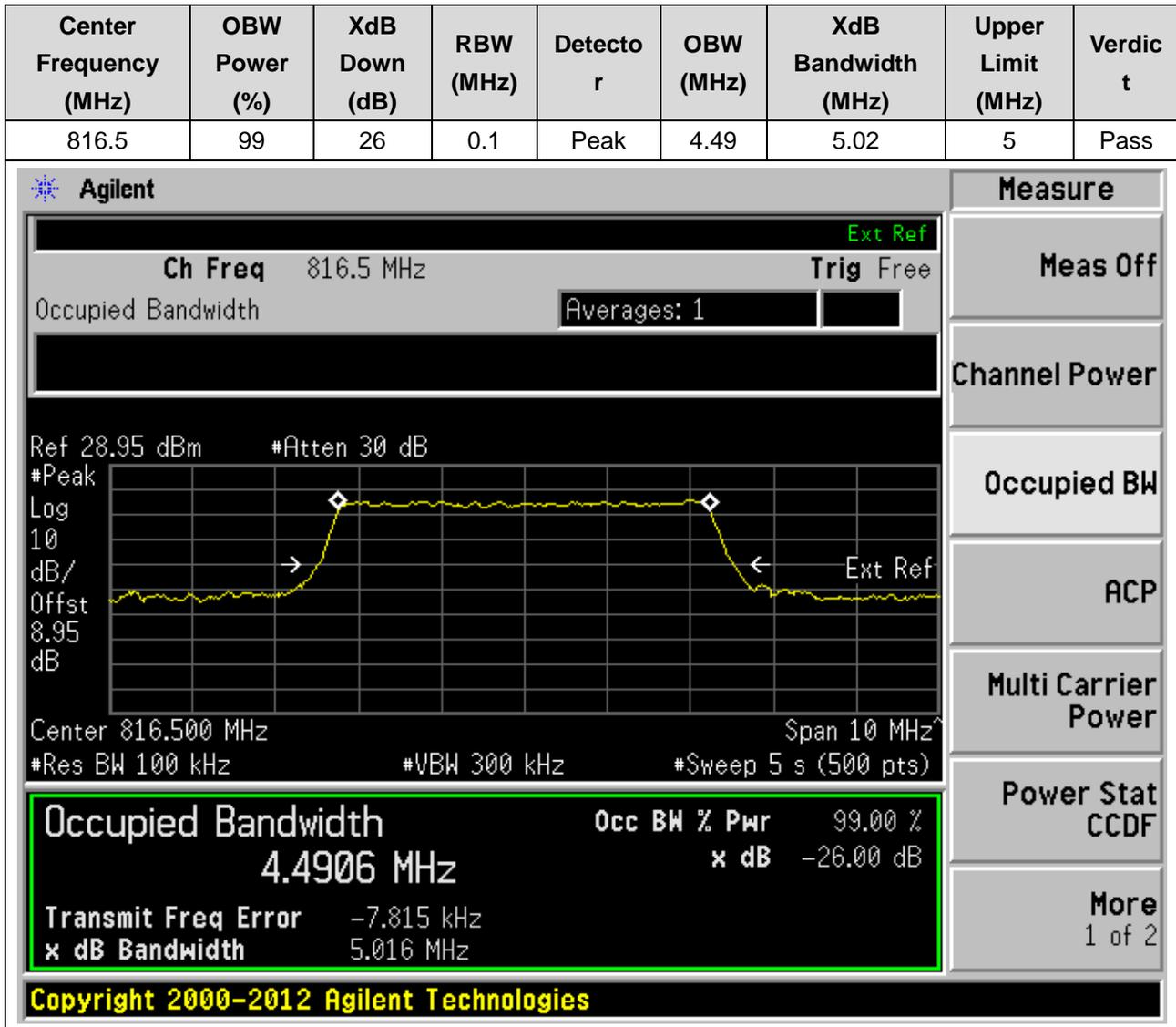
Occupied Bandwidth	Occ BW % Pwr	x dB
67.1960 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -38.528 kHz
x dB Bandwidth: 70.390 MHz

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1. n26 15kHz(814-824)

1.1. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)



1.2. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, 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
819	99	26	0.1	Peak	4.5	5.08	5	Pass

Agilent

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

Ch Freq 819 MHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 28.97 dBm #Atten 30 dB

Center 819.000 MHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5038 MHz	x dB	-26.00 dB
Transmit Freq Error	-13.365 kHz	
x dB Bandwidth	5.082 MHz	

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1.3. Occupied Bandwidth for SA_Part90(NTNV)(Channel:164300, 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
821.5	99	26	0.1	Peak	4.49	5.03	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 821.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds (500 points). The trace shows a signal with a peak at approximately 821.5 MHz. The occupied bandwidth is measured as 4.4941 MHz, and the power is 99.00%. The XdB bandwidth is 5.026 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -11.111 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	99.00 %
4.4941 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.111 kHz	
x dB Bandwidth	5.026 MHz	

1.4. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163300, 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
816.5	99	26	0.1	Peak	4.49	5.05	5	Pass

Agilent

Measure

Ch Freq 816.5 MHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 28.95 dBm
#Atten 30 dB

#Peak
Trig Free

Log
Ext Ref

10

dB/

Offst

8.95

dB

Center 816.500 MHz
Span 10 MHz

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

Occupied Bandwidth

4.4861 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -8.793 kHz

x dB Bandwidth 5.051 MHz

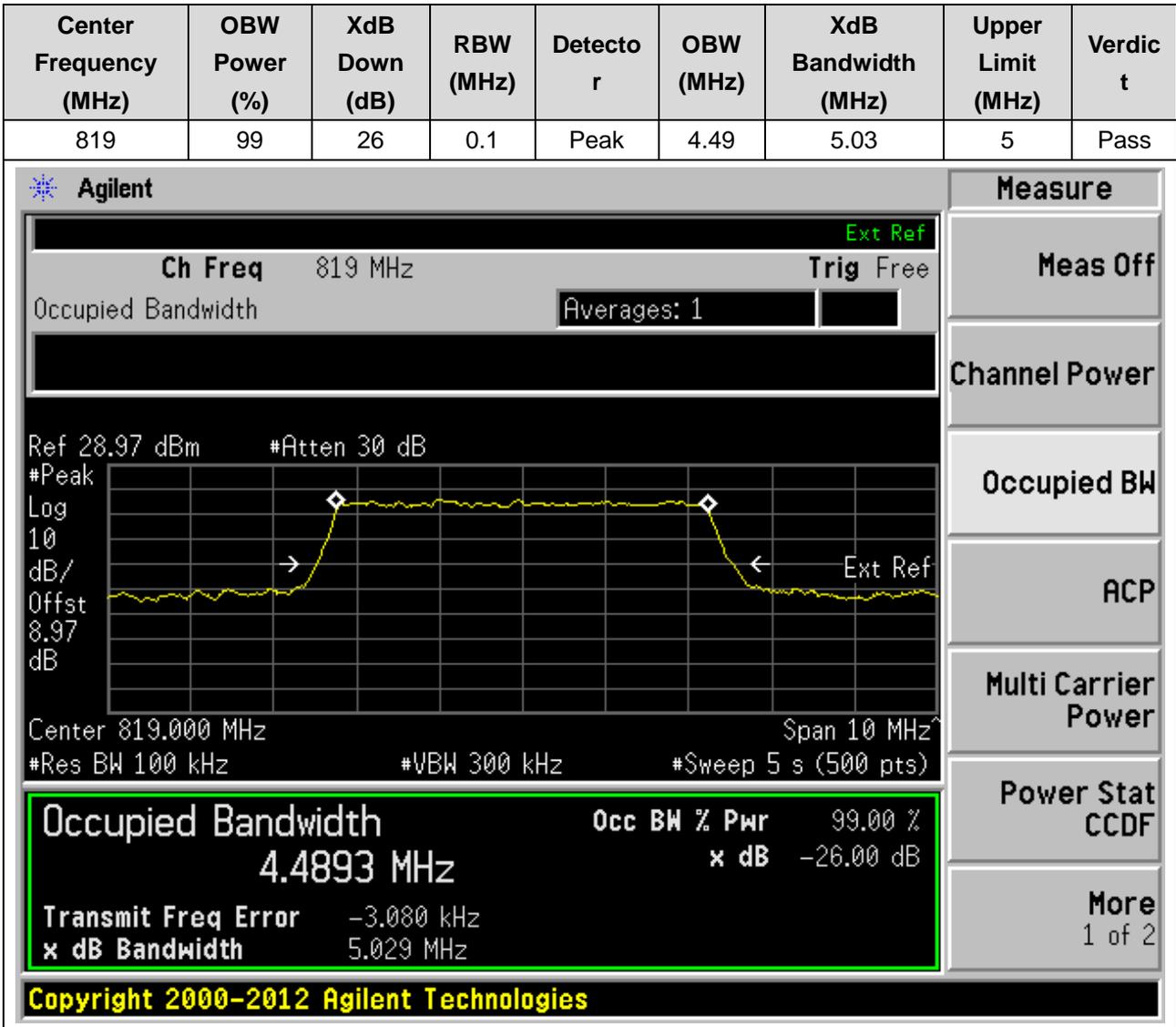
Power Stat CCDF

More

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1 of 2

1.5. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)



1.6. Occupied Bandwidth for SA_Part90(NTNV)(Channel:164300, 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
821.5	99	26	0.1	Peak	4.5	5	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 821.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 28.98 dBm, an attenuation of 30 dB, a resolution bandwidth of 100 kHz, and a video bandwidth of 300 kHz. The span is 10 MHz. The measurement results are highlighted in a green box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5000 MHz	x dB	-26.00 dB
Transmit Freq Error		-6.338 kHz
x dB Bandwidth		4.998 MHz

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

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1.7. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163300, 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
816.5	99	26	0.1	Peak	4.5	5.07	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 816.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds (500 points). The occupied bandwidth is measured as 4.4981 MHz, with 99.00% of the power contained within a 5.074 MHz bandwidth. The power level is 28.95 dBm, and the attenuation is 30 dB. The detector is set to Peak. The upper limit is 5 MHz, and the verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4981 MHz	x dB	-26.00 dB
Transmit Freq Error	-17.025 kHz	
x dB Bandwidth	5.074 MHz	

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1.8. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, 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
819	99	26	0.1	Peak	4.48	5.02	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 819.000 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds (500 points). The occupied bandwidth is measured as 4.4832 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -14.243 kHz, and the XdB bandwidth is 5.025 MHz. The interface also shows various measurement buttons on the right side, such as Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4832 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.243 kHz	
x dB Bandwidth	5.025 MHz	

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1.9. Occupied Bandwidth for SA_Part90(NTNV)(Channel:164300, 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
821.5	99	26	0.1	Peak	4.49	5.01	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 821.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 5 seconds (500 points). The plot shows a signal with a peak level of 28.98 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 4.4869 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -21.857 kHz, and the XdB bandwidth is 5.005 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 %
4.4869 MHz	x dB	-26.00 dB
Transmit Freq Error		-21.857 kHz
x dB Bandwidth		5.005 MHz

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1.10. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163300, 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
816.5	99	26	0.1	Peak	4.5	5.07	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 816.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.95 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.95 dB', 'Center 816.500 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 4.4989 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -13.614 kHz' and 'x dB Bandwidth 5.065 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

1.11. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, 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
819	99	26	0.1	Peak	4.51	5.08	5	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 819.000 MHz with a span of 10 MHz. The vertical axis is labeled 'dB' and has a reference level of 28.97 dBm. The horizontal axis is labeled 'MHz'. The plot shows a signal with a bandwidth of approximately 4.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.5115 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -24.422 kHz and the 'x dB Bandwidth' is 5.084 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5115 MHz	99.00 %	-26.00 dB

1.12. Occupied Bandwidth for SA_Part90(NTNV)(Channel:164300, 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
821.5	99	26	0.1	Peak	4.5	5.07	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 821.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 28.98 dBm, an attenuation of 30 dB, a resolution bandwidth of 100 kHz, and a video bandwidth of 300 kHz. The span is 10 MHz. The measurement results are highlighted in a green box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5021 MHz	x dB	-26.00 dB
Transmit Freq Error	-13.665 kHz	
x dB Bandwidth	5.071 MHz	

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

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1.13. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, 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
819	99	26	0.03	Peak	9.25	9.73	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 819.000 MHz, and the span is 20 MHz. The resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds (3333 points). The occupied bandwidth is measured as 9.2512 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -10.323 kHz, and the XdB bandwidth is 9.725 MHz. The interface also shows various measurement options like Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2512 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.323 kHz	
x dB Bandwidth	9.725 MHz	

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1.14. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, 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
819	99	26	0.03	Peak	9.26	9.62	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 819.000 MHz, and the span is 20 MHz. The resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds (3333 points). The plot shows a signal with a peak level of 28.97 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 9.2615 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -4.832 kHz, and the XdB bandwidth is 9.624 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 %
9.2615 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.832 kHz	
x dB Bandwidth	9.624 MHz	

1.15. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, 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
819	99	26	0.03	Peak	9.25	9.72	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 819.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2505 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -16.386 kHz, and the XdB bandwidth is 9.724 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 %
9.2505 MHz	x dB	-26.00 dB
Transmit Freq Error	-16.386 kHz	
x dB Bandwidth	9.724 MHz	

1.16. Occupied Bandwidth for SA_Part90(NTNV)(Channel:163800, 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
819	99	26	0.03	Peak	9.27	9.69	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 819.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2673 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -14.795 kHz, and the XdB bandwidth is 9.691 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'.

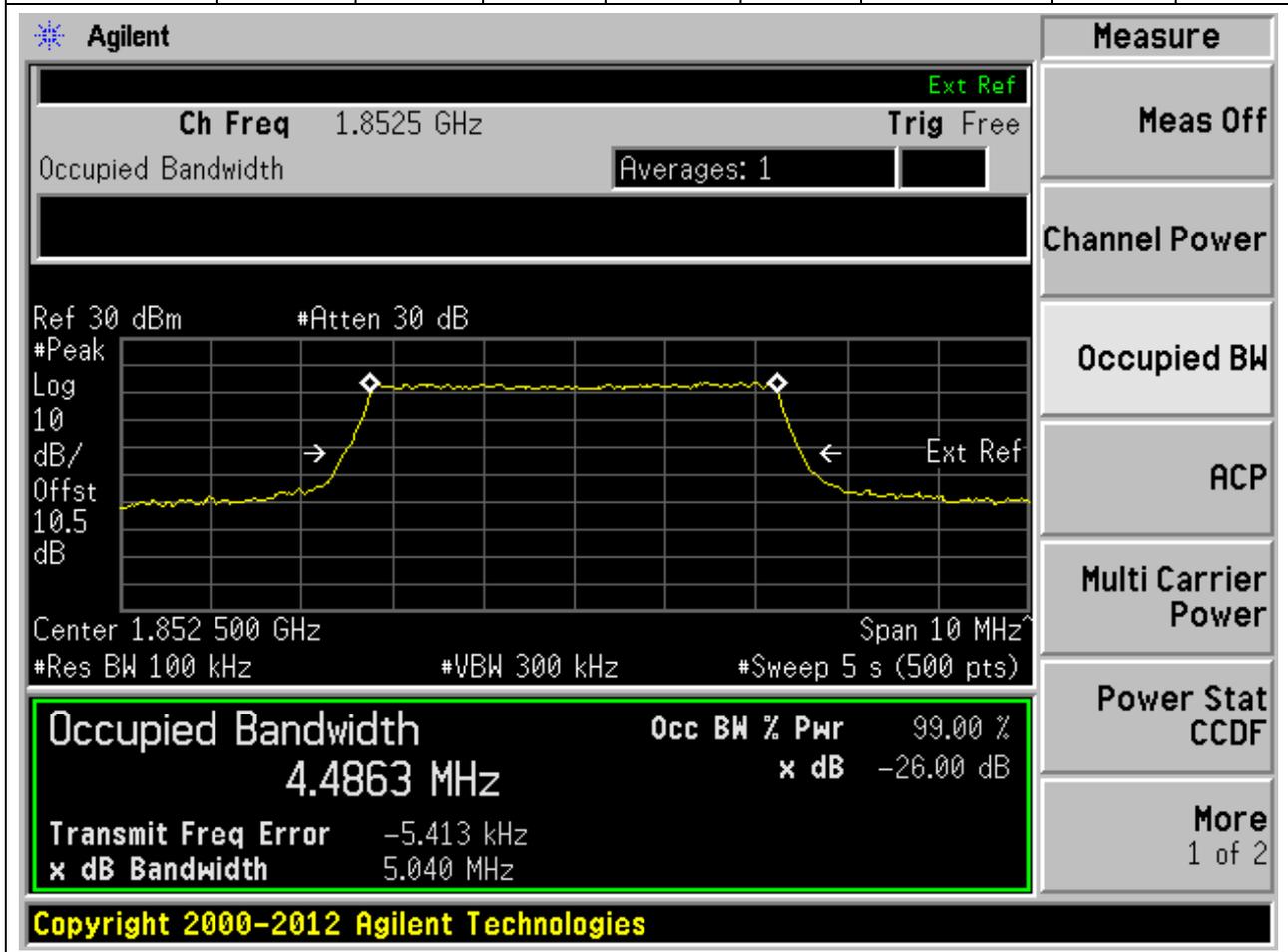
Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2673 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.795 kHz	
x dB Bandwidth	9.691 MHz	

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1. n2

1.1. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:370500, 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
1852.5	99	26	0.1	Peak	4.49	5.04	5	Pass



1.3. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.5	5.06	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.9075 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 1'. The main display shows a spectrum plot with a yellow trace. The plot parameters are: 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log', '10 dB/Offst', '10.5 dB', 'Center 1.907 500 GHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5009 MHz	x dB	-26.00 dB
Transmit Freq Error		-22.299 kHz
x dB Bandwidth		5.061 MHz

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, it says 'Copyright 2000-2012 Agilent Technologies'.

1.4. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:370500, 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
1852.5	99	26	0.1	Peak	4.48	5.02	5	Pass

Agilent

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

Ch Freq 1.8525 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 10.5 dB

Center 1.852 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4849 MHz	x dB -26.00 dB
Transmit Freq Error -5.350 kHz	
x dB Bandwidth 5.017 MHz	

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1.5. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, 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
1880	99	26	0.1	Peak	4.48	4.99	5	Pass

Agilent

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

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.880 000 GHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4826 MHz	x dB -26.00 dB
Transmit Freq Error -11.591 kHz	
x dB Bandwidth 4.992 MHz	

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1.6. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.51	5	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	4.5106 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-30.624 kHz
x dB Bandwidth	4.996 MHz

Additional parameters shown in the interface include: Ch Freq 1.9075 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.5 dB, Center 1.907 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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1.7. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:370500, 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
1852.5	99	26	0.1	Peak	4.49	5.04	5	Pass

Agilent

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

Ch Freq 1.8525 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.852 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4882 MHz x dB -26.00 dB

Transmit Freq Error -11.971 kHz

x dB Bandwidth 5.040 MHz

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1.8. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, 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
1880	99	26	0.1	Peak	4.49	5.07	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 1.88 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted as 4.4876 MHz. The power level 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
4.4876 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -12.505 kHz
 x dB Bandwidth: 5.066 MHz

1.9. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.48	5.04	5	Pass

Agilent

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

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.907 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4838 MHz	x dB -26.00 dB
Transmit Freq Error -21.791 kHz	
x dB Bandwidth 5.039 MHz	

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1.10. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:370500, 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
1852.5	99	26	0.1	Peak	4.49	5.03	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 results are as follows:

Measurement	Value
Occupied Bandwidth	4.4901 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.546 kHz
x dB Bandwidth	5.033 MHz

Additional parameters shown in the interface include: Ch Freq 1.8525 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.5 dB, Center 1.852 500 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).

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1.11. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, 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
1880	99	26	0.1	Peak	4.49	5.02	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	4.4898 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.310 kHz
x dB Bandwidth	5.019 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.880 000 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).

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1.12. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381500, 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
1907.5	99	26	0.1	Peak	4.5	5.08	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 1.9075 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4973 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.984 kHz, and the XdB bandwidth is 5.079 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
4.4973 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -10.984 kHz
 x dB Bandwidth: 5.079 MHz

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1.13. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371000, 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
1855	99	26	0.03	Peak	9.26	9.7	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 1.855 GHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2620 MHz. The power is 99.00% and the XdB down is -26.00 dB. The detector is set to Peak. The RBW is 0.03 MHz. The upper limit is 10 MHz. The verdict is Pass.

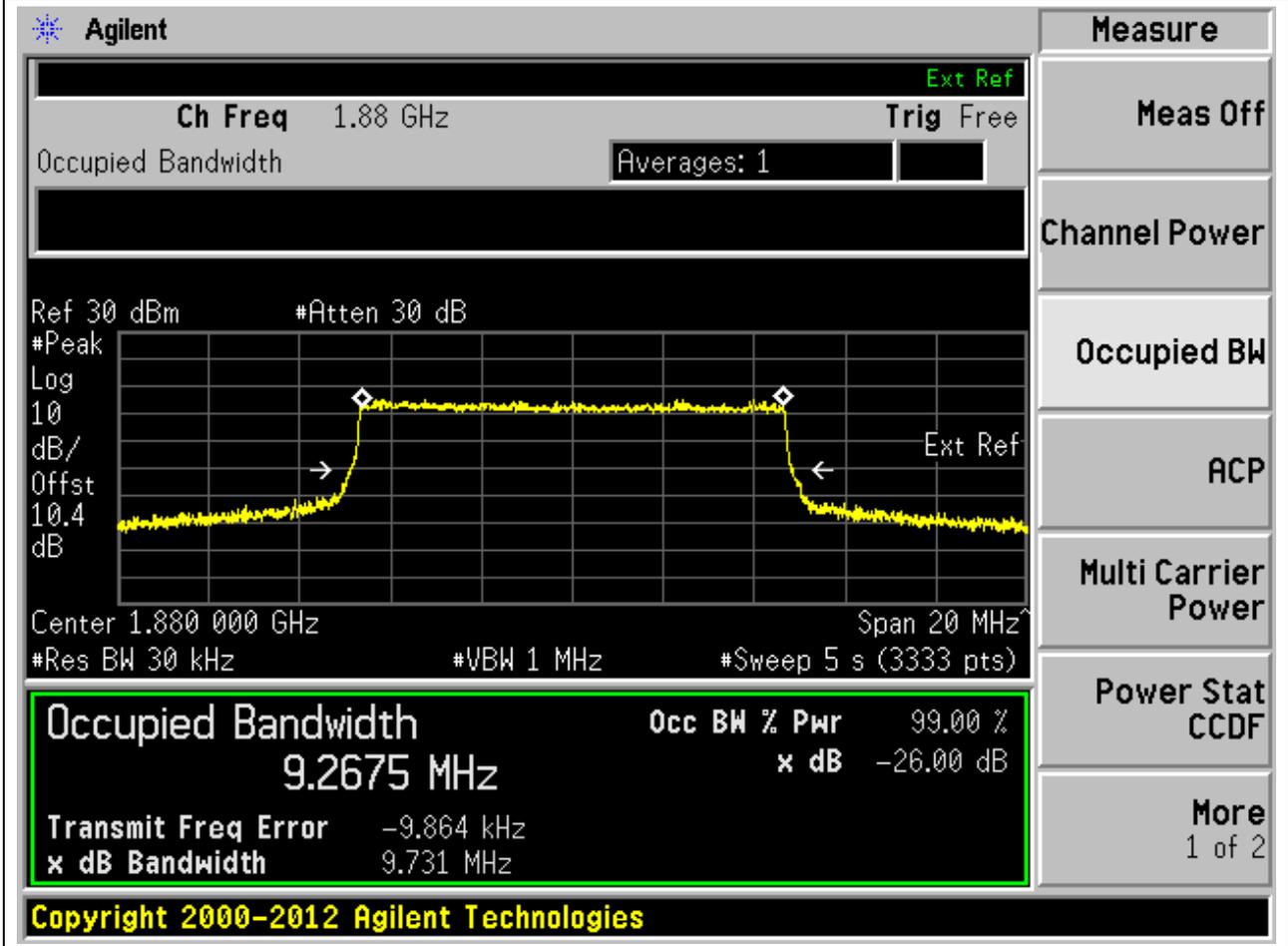
Occupied Bandwidth	Occ BW % Pwr	x dB
9.2620 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 166.112 Hz
 x dB Bandwidth: 9.704 MHz

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1.14. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, 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
1880	99	26	0.03	Peak	9.27	9.73	10	Pass



1.15. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381000, 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
1905	99	26	0.03	Peak	9.26	9.71	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 1.905 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2571 MHz. The power is 99.00% and the XdB bandwidth is 9.711 MHz. The XdB down is -26.00 dB. The transmit frequency error is -18.614 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. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2571 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -18.614 kHz
x dB Bandwidth: 9.711 MHz

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1.16. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371000, 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
1855	99	26	0.03	Peak	9.27	9.74	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:

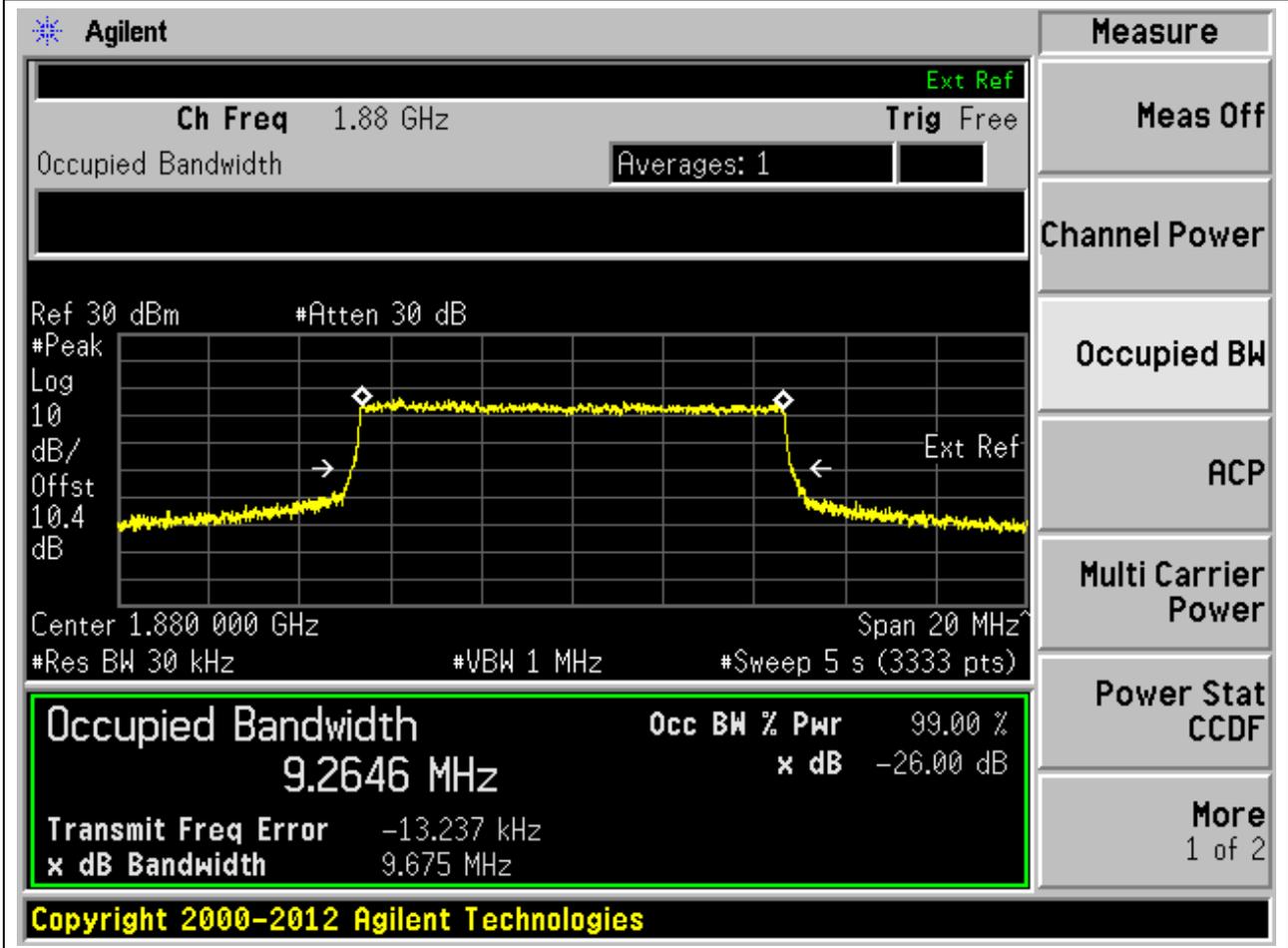
Measurement	Value
Occupied Bandwidth	9.2678 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.406 kHz
x dB Bandwidth	9.740 MHz

Additional parameters shown in the interface include: Ch Freq 1.855 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 10.5 dB, Center 1.855 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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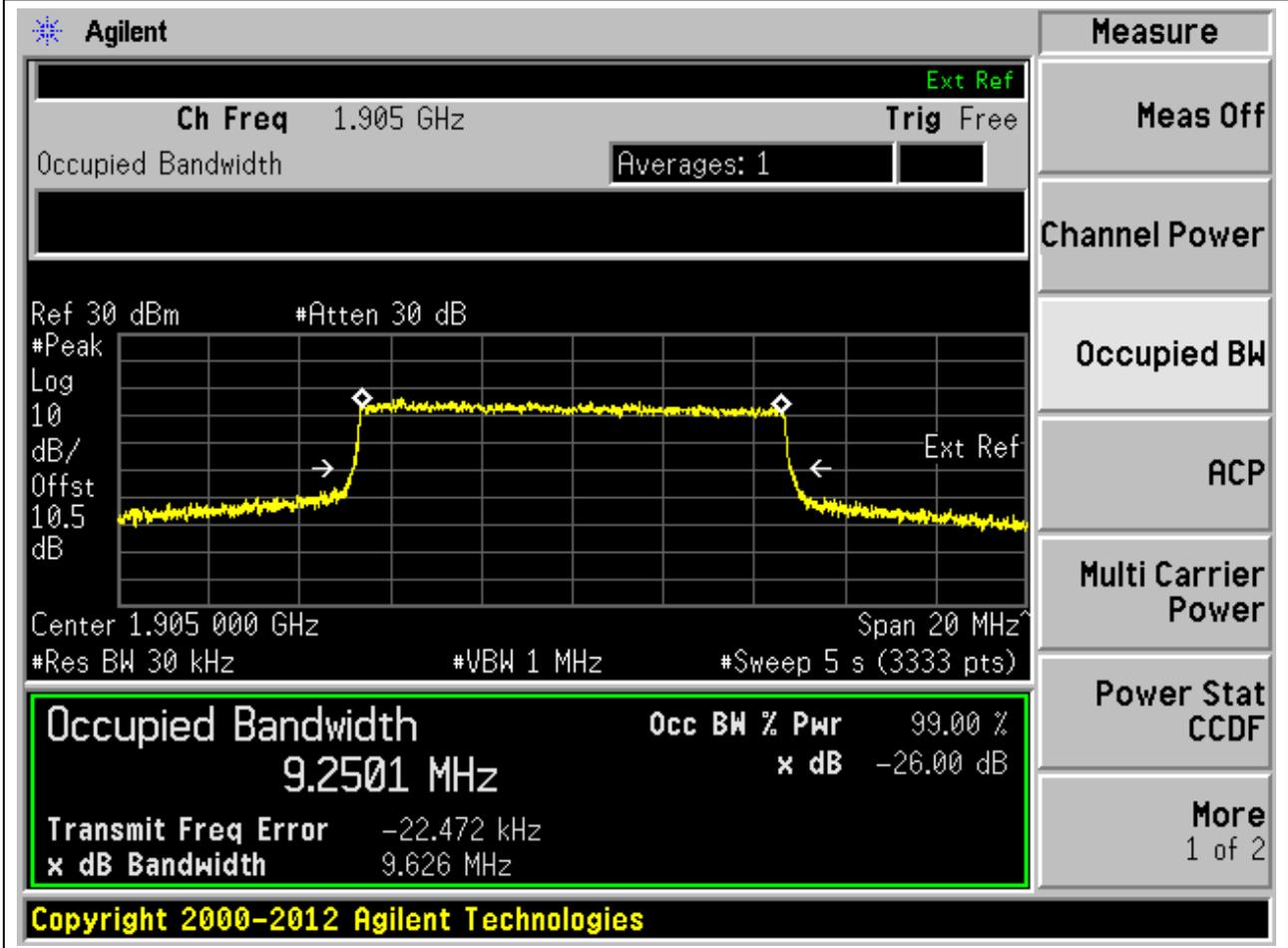
1.17. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	9.26	9.68	10	Pass



1.18. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381000, 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
1905	99	26	0.03	Peak	9.25	9.63	10	Pass



1.19. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371000, 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
1855	99	26	0.03	Peak	9.28	9.72	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 1.855 GHz with a span of 20 MHz. The vertical axis is labeled 'dB' and has a resolution of 10.5 dB. The horizontal axis is labeled 'MHz' and has a resolution of 30 kHz. The signal trace shows a flat top at approximately -26 dB, with a sharp drop-off on either side. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 9.2828 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -3.816 kHz and the 'x dB Bandwidth' is 9.719 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2828 MHz	99.00 %	-26.00 dB

1.20. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, 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
1880	99	26	0.03	Peak	9.28	9.72	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	9.2837 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.861 kHz
x dB Bandwidth	9.722 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.880 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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1.21. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381000, 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
1905	99	26	0.03	Peak	9.28	9.76	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 1.905 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2780 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -17.150 kHz, and the XdB bandwidth is 9.757 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'.

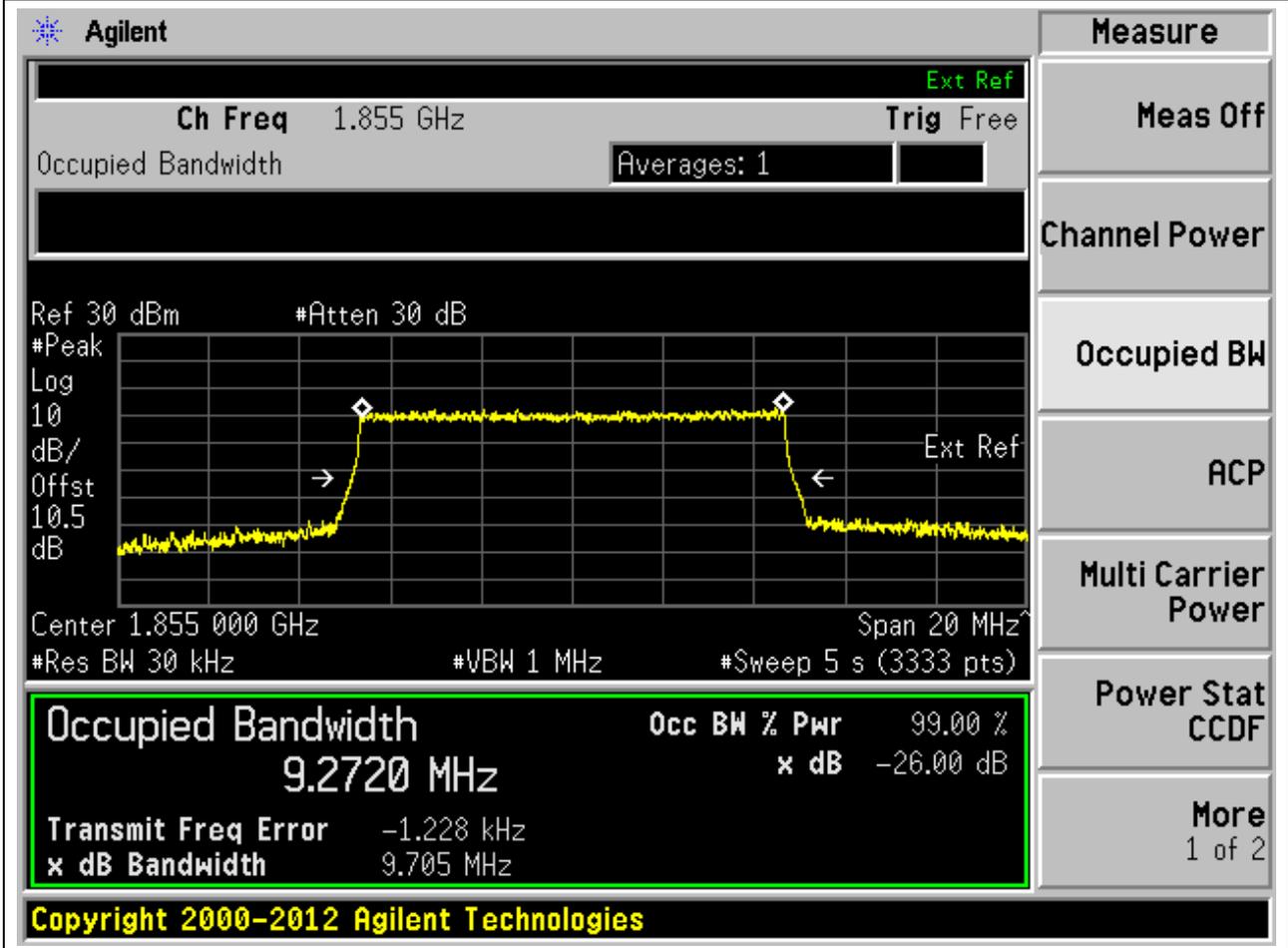
Occupied Bandwidth	Occ BW % Pwr	x dB
9.2780 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -17.150 kHz
 x dB Bandwidth: 9.757 MHz

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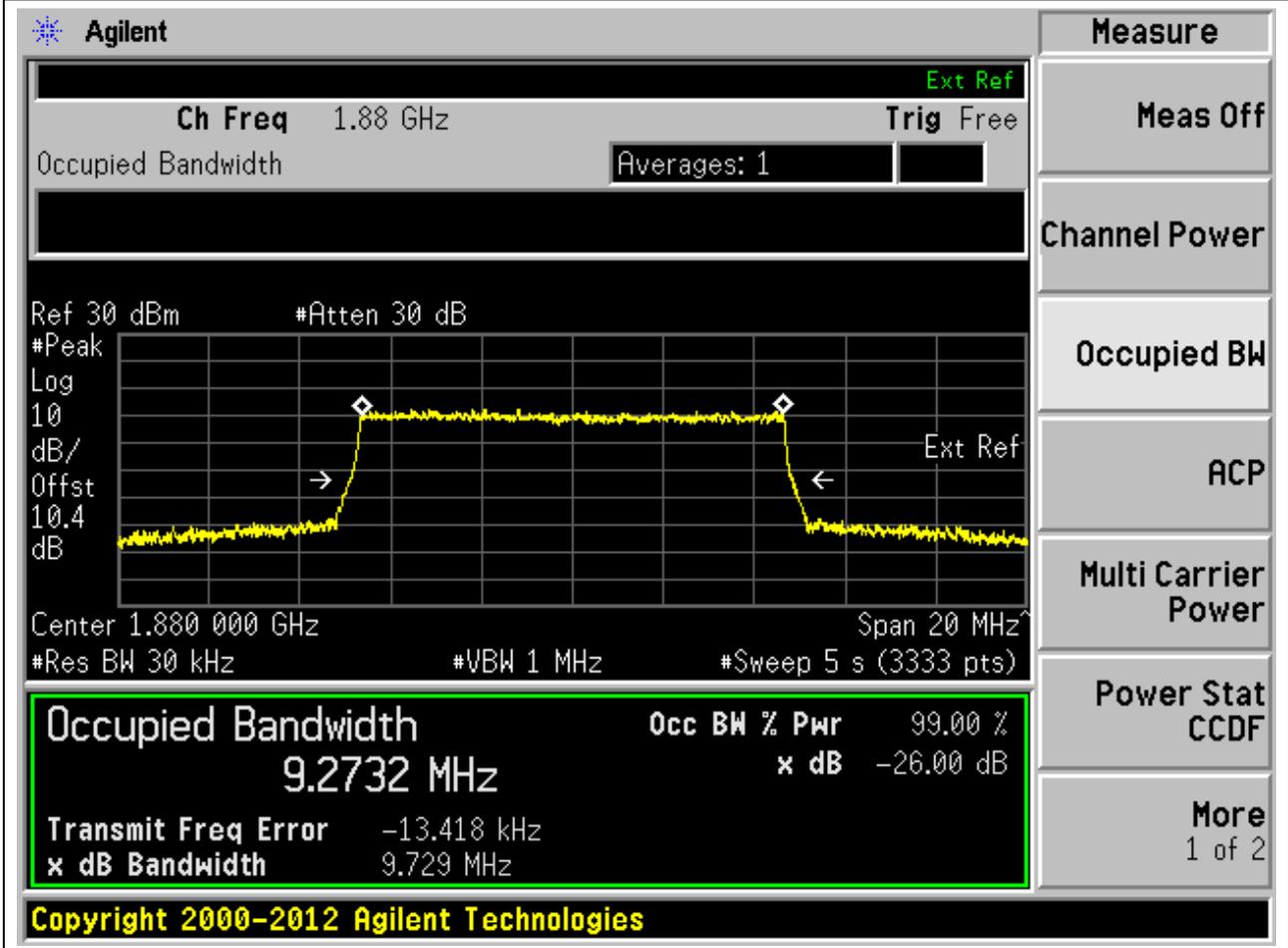
1.22. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.03	Peak	9.27	9.71	10	Pass



1.23. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, 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
1880	99	26	0.03	Peak	9.27	9.73	10	Pass



1.24. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:381000, 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
1905	99	26	0.03	Peak	9.27	9.72	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 1.905 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2687 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -19.702 kHz, and the XdB bandwidth is 9.721 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'.

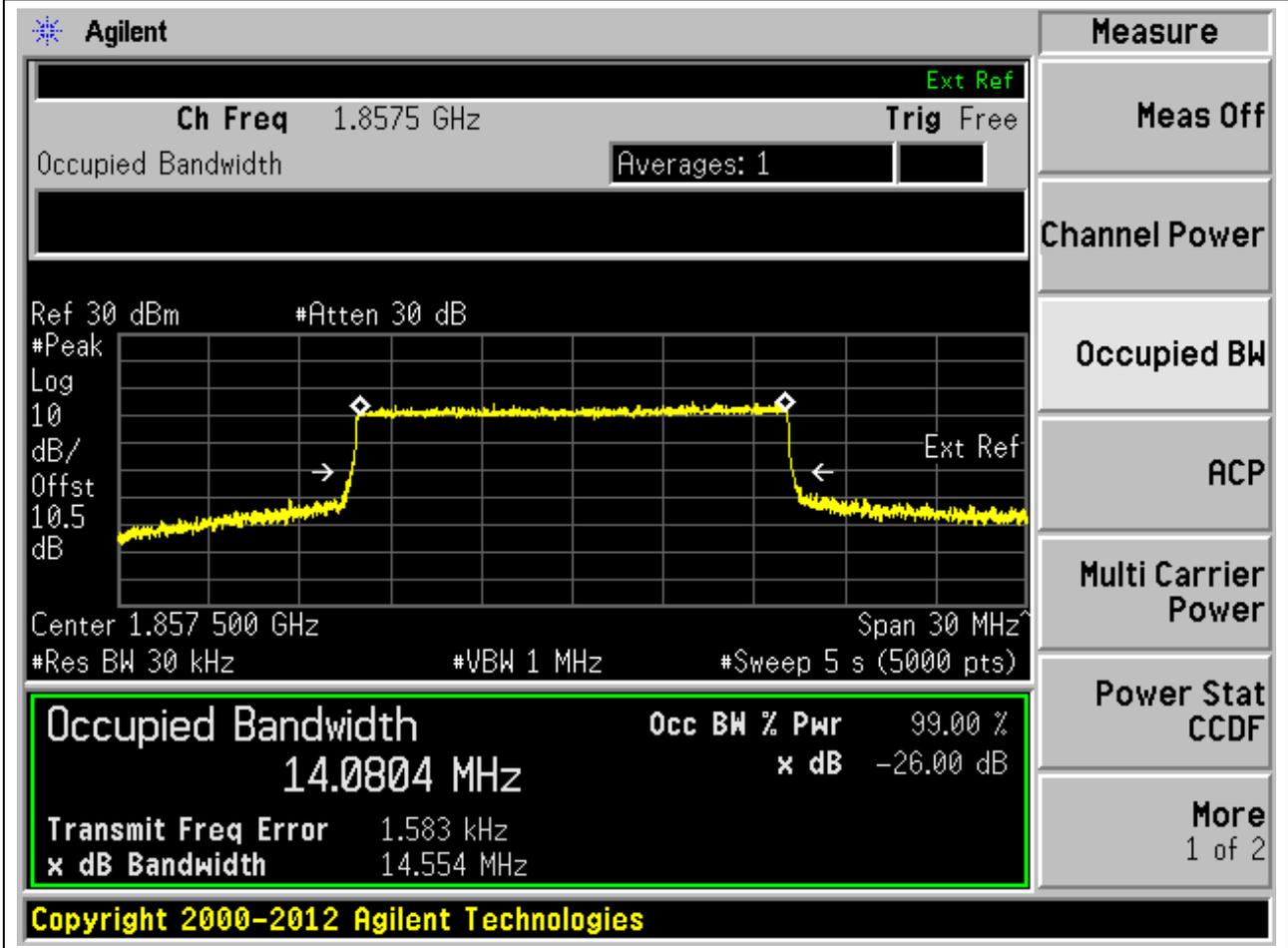
Occupied Bandwidth	Occ BW % Pwr	x dB
9.2687 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -19.702 kHz
 x dB Bandwidth: 9.721 MHz

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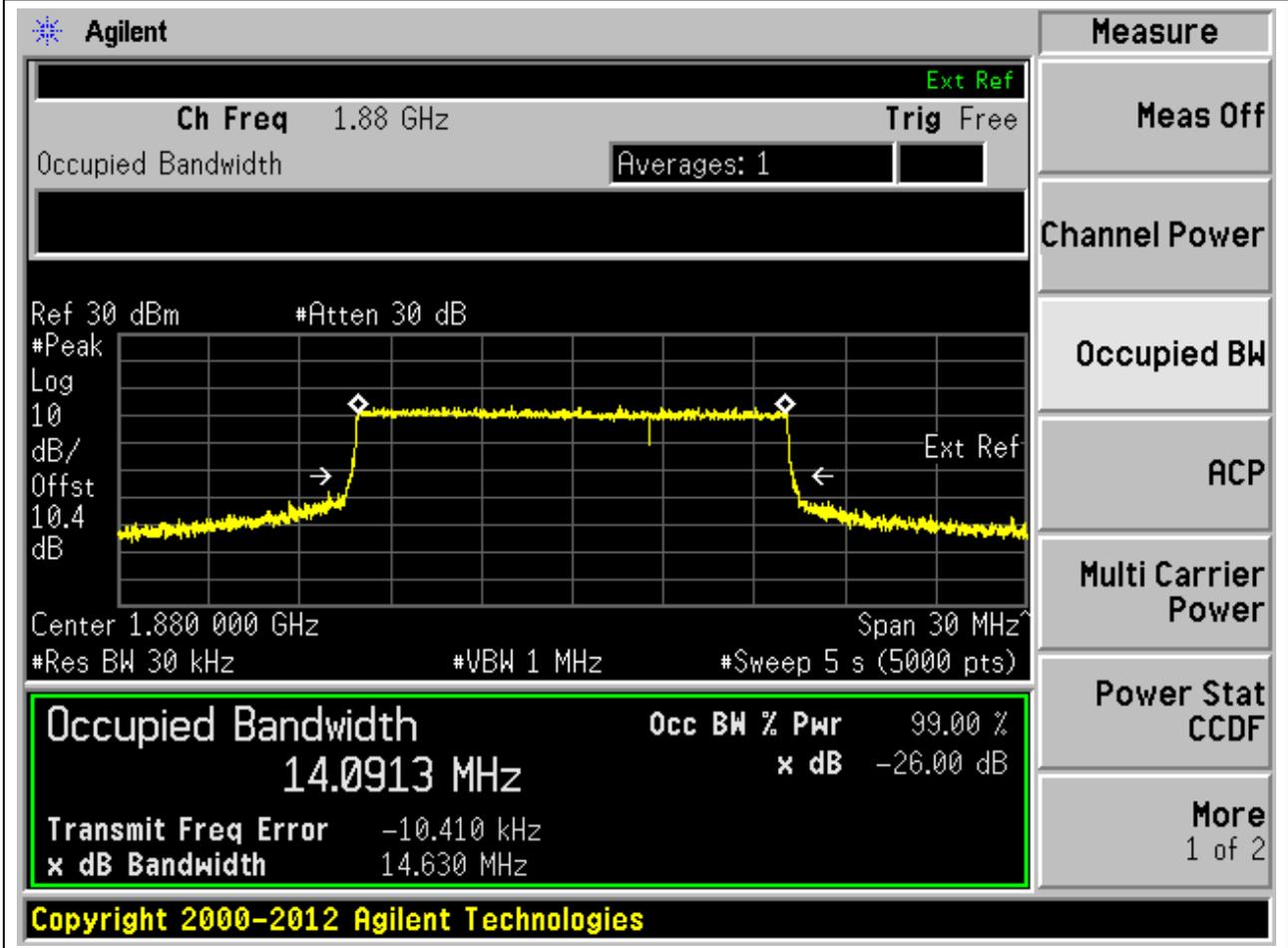
1.25. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.08	14.55	15	Pass



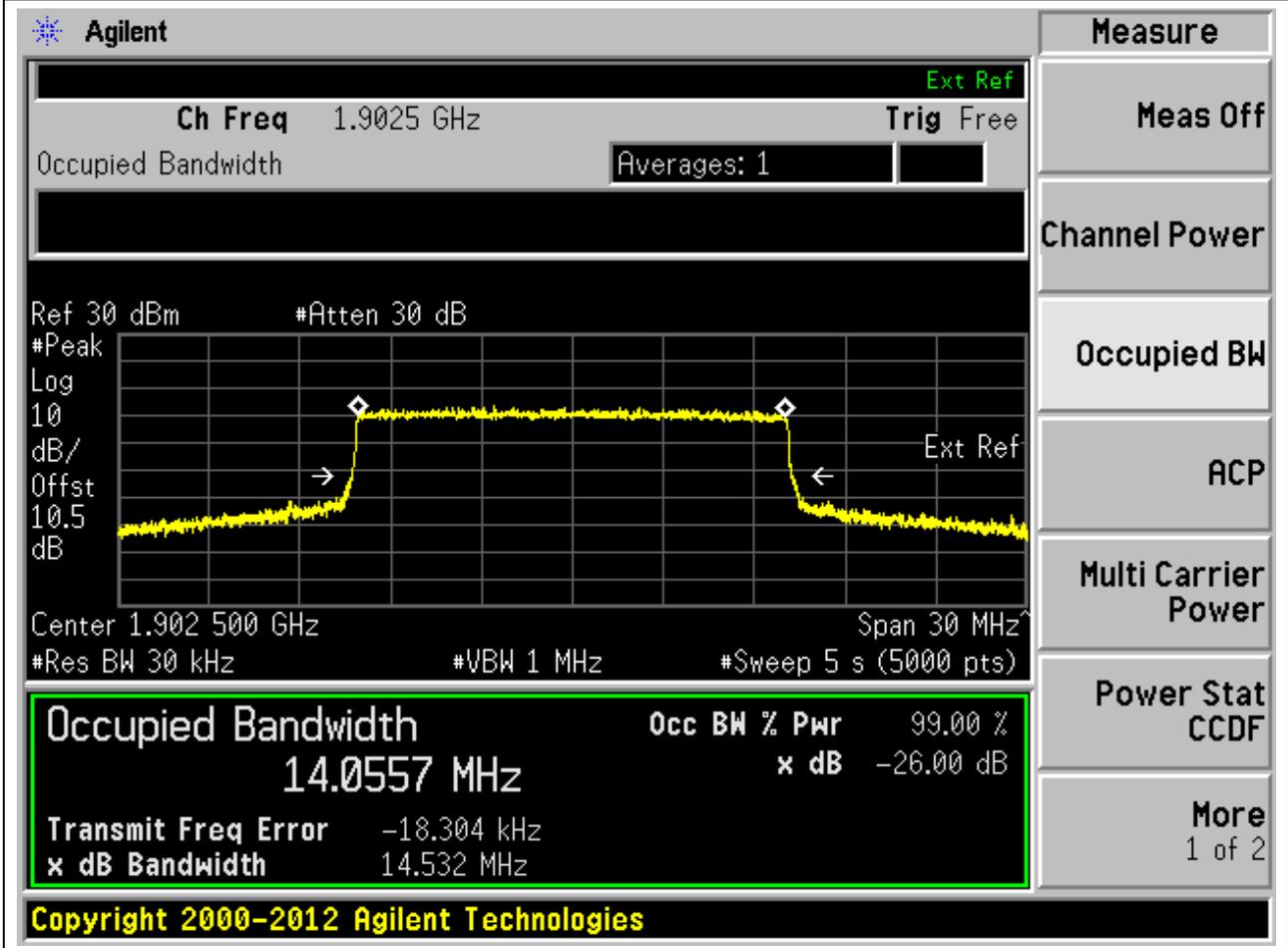
1.26. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.09	14.63	15	Pass



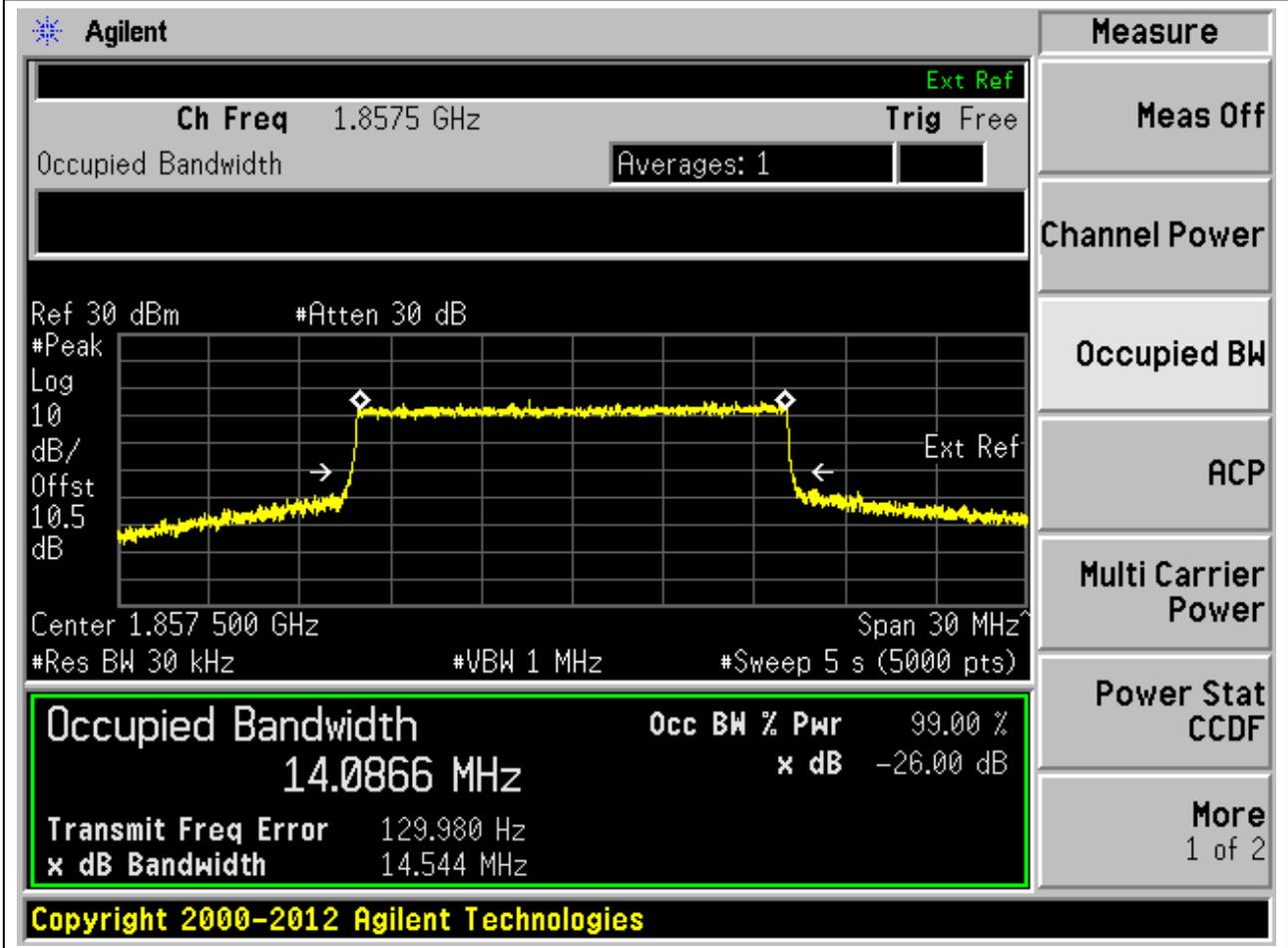
1.27. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.06	14.53	15	Pass



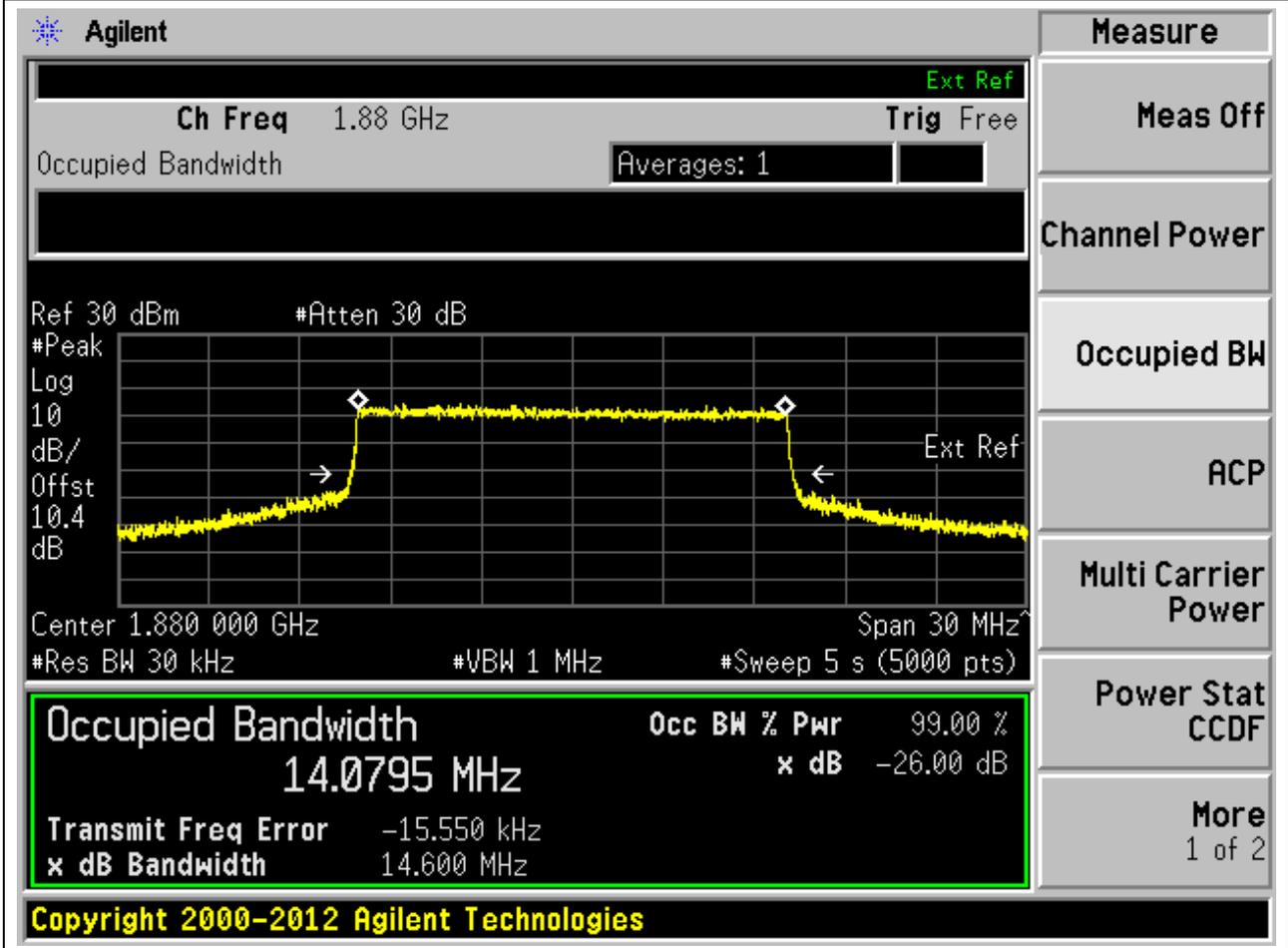
1.28. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.09	14.54	15	Pass



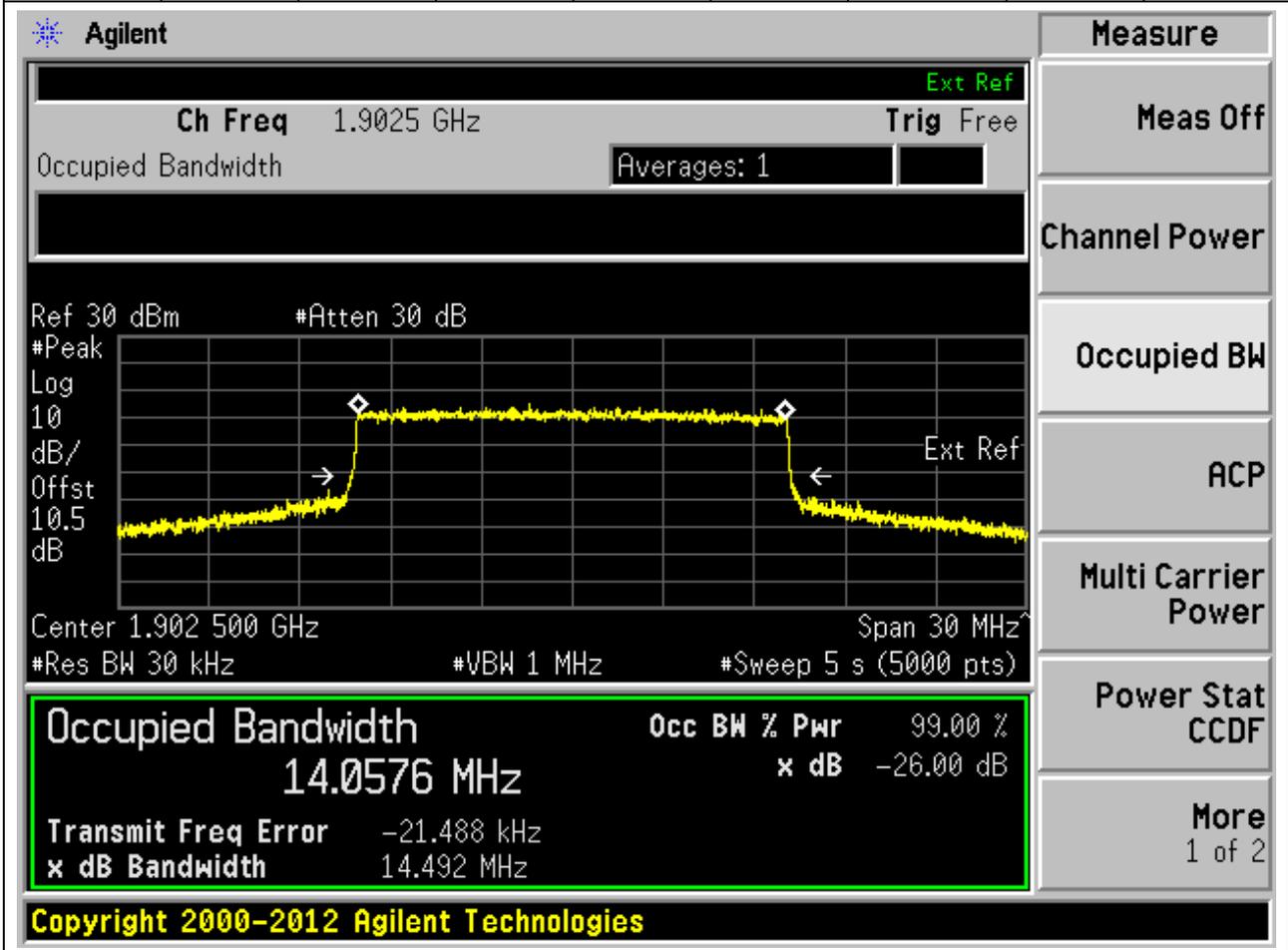
1.29. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.08	14.6	15	Pass



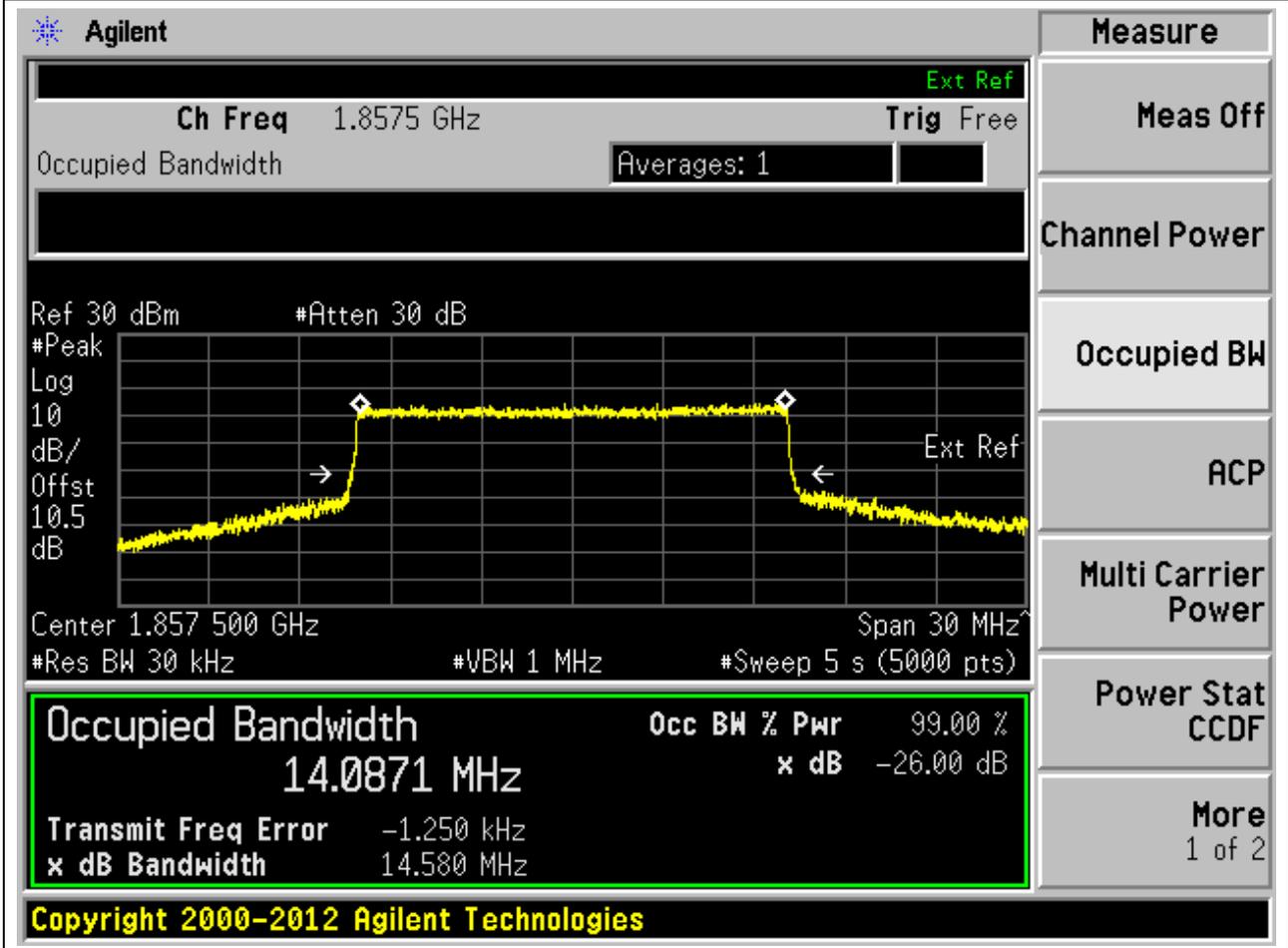
1.30. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.06	14.49	15	Pass



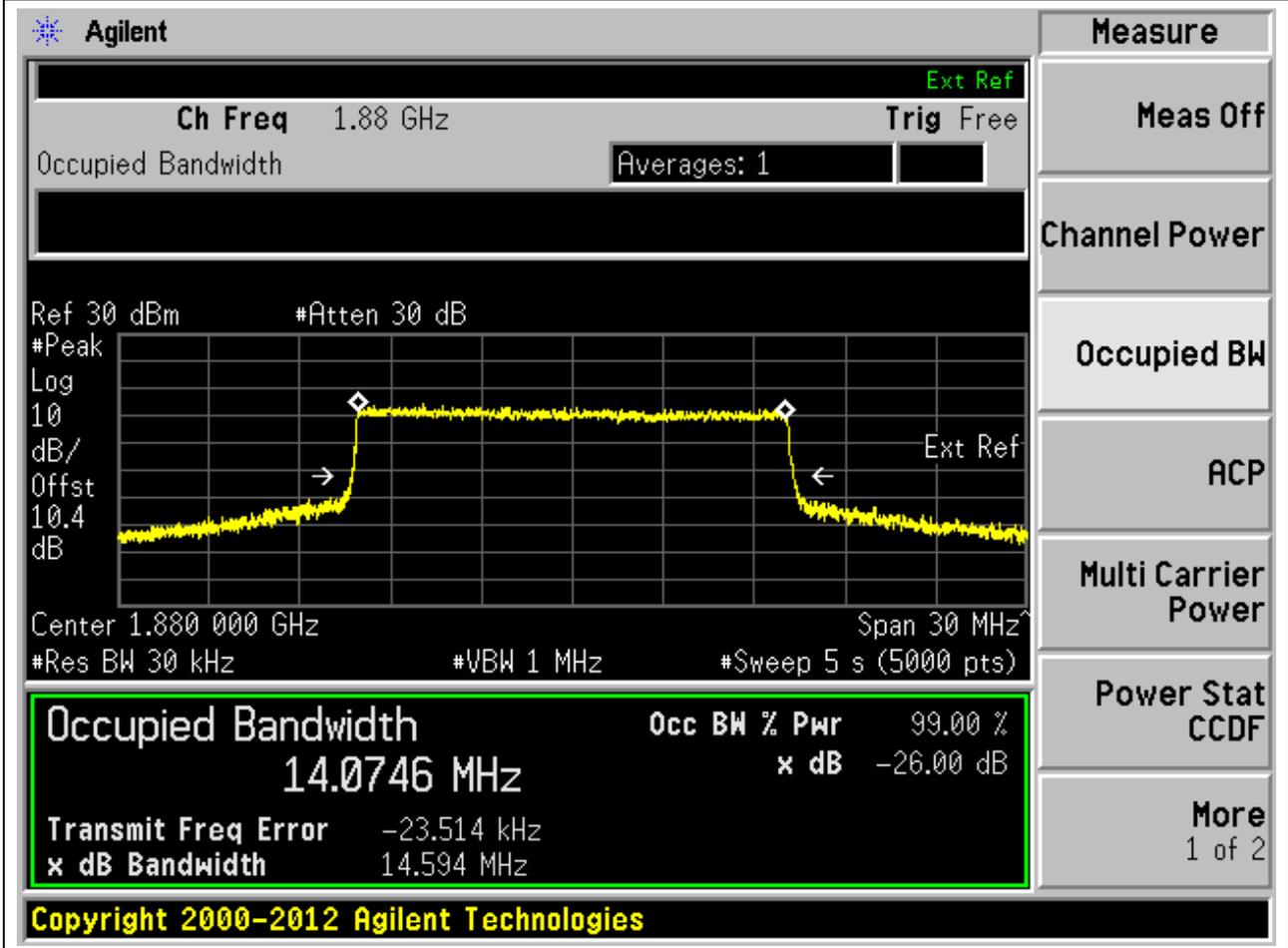
1.31. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.09	14.58	15	Pass



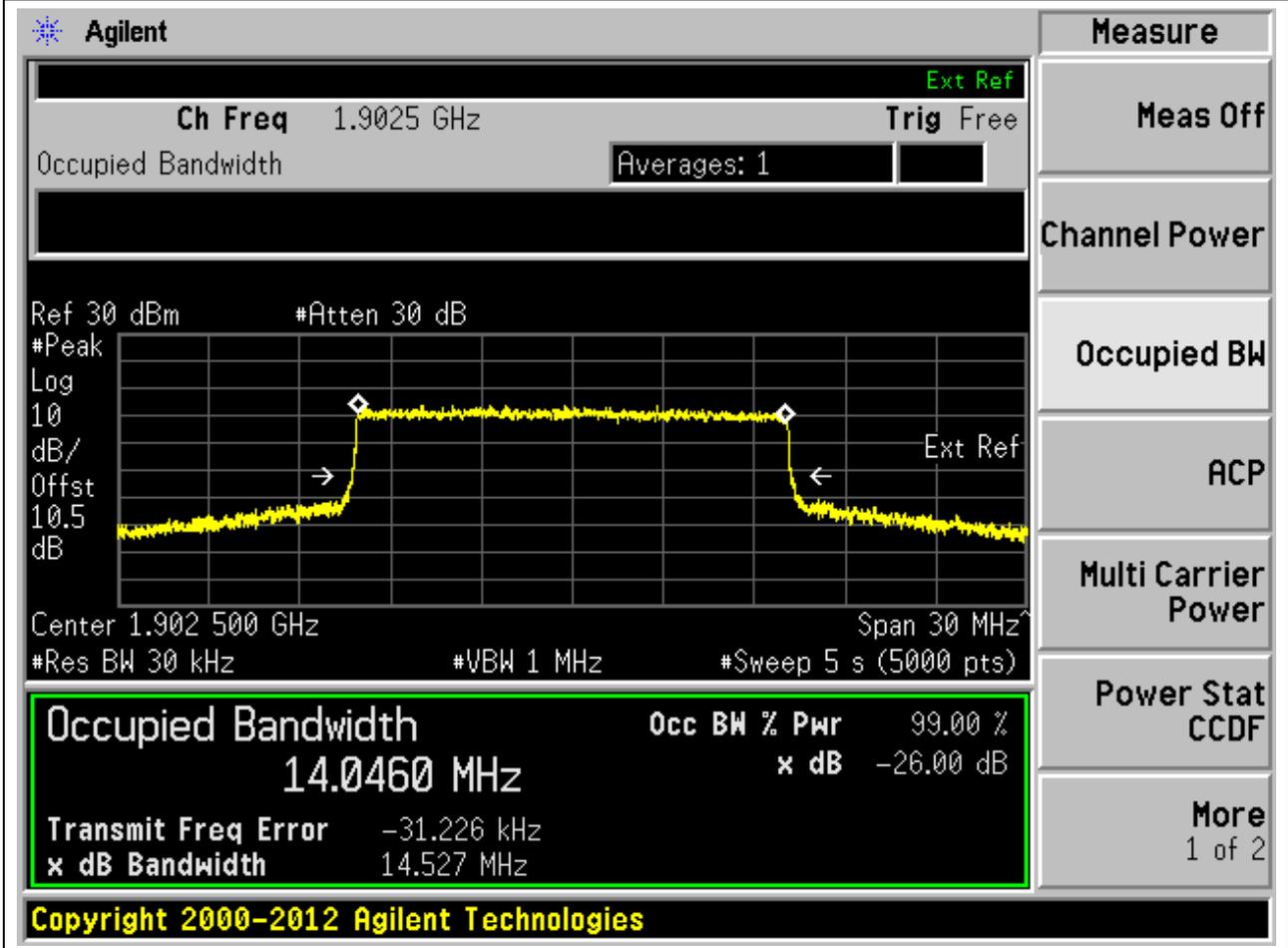
1.32. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.07	14.59	15	Pass



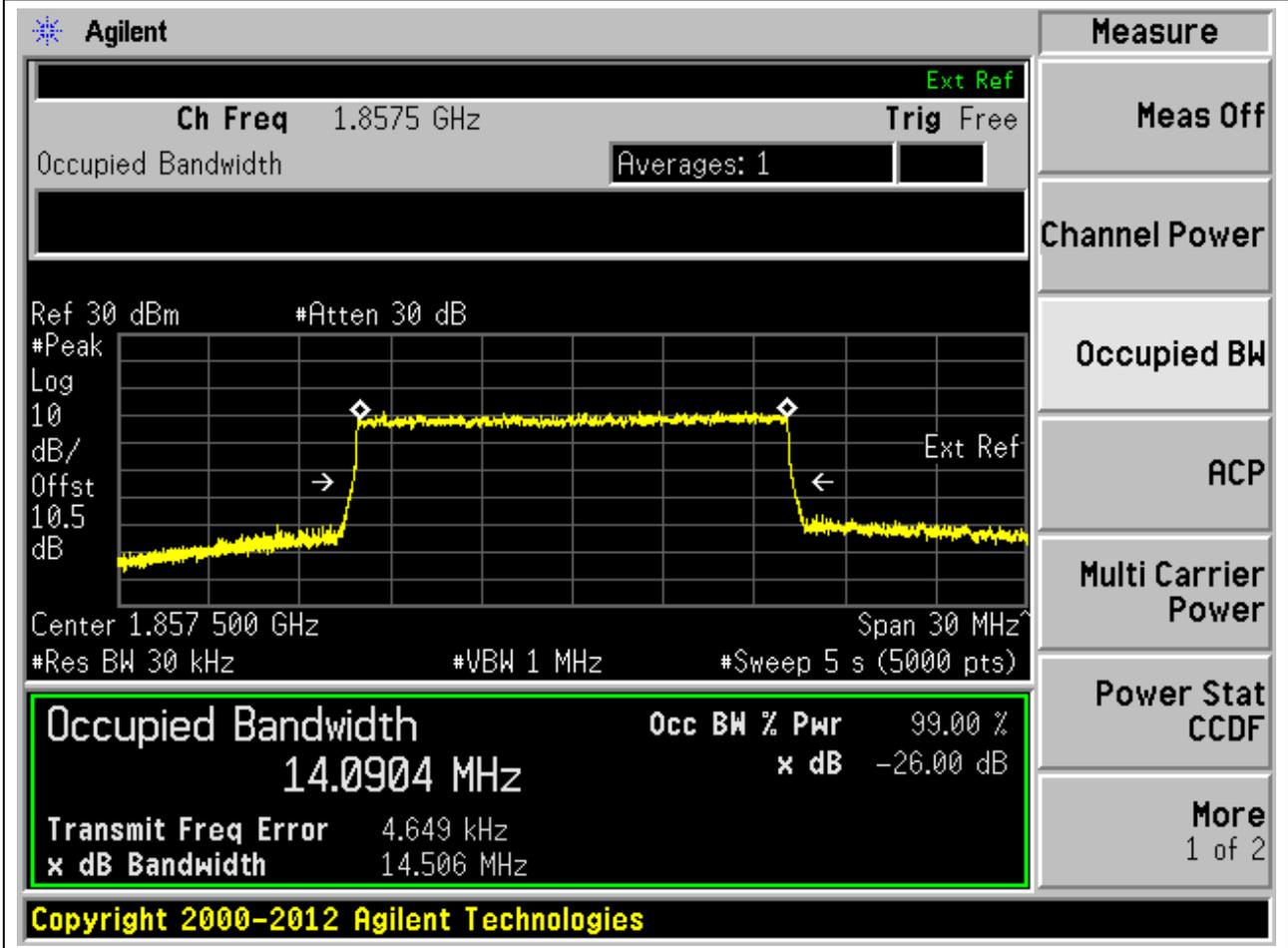
1.33. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.05	14.53	15	Pass



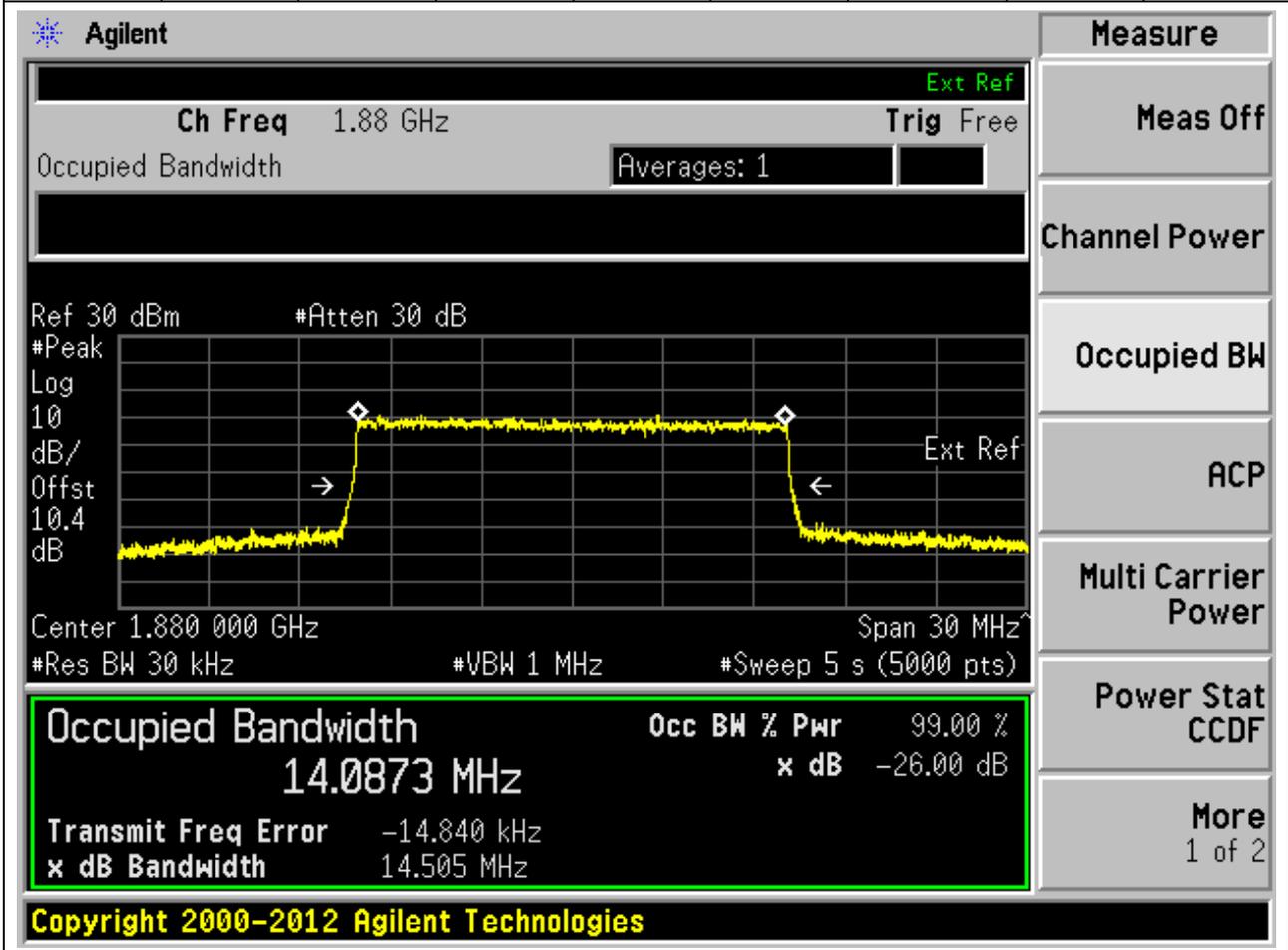
1.34. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.09	14.51	15	Pass



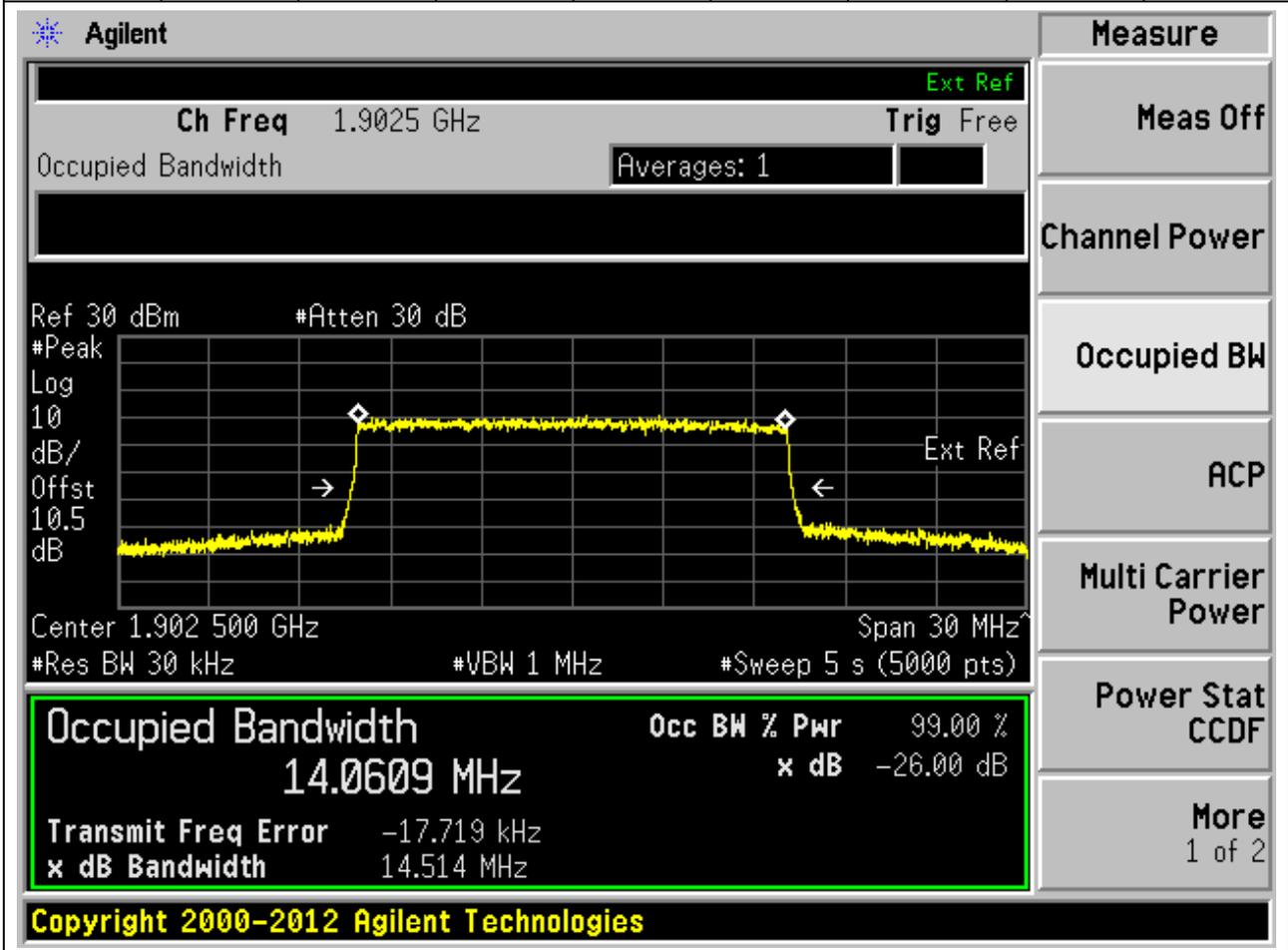
1.35. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.09	14.51	15	Pass



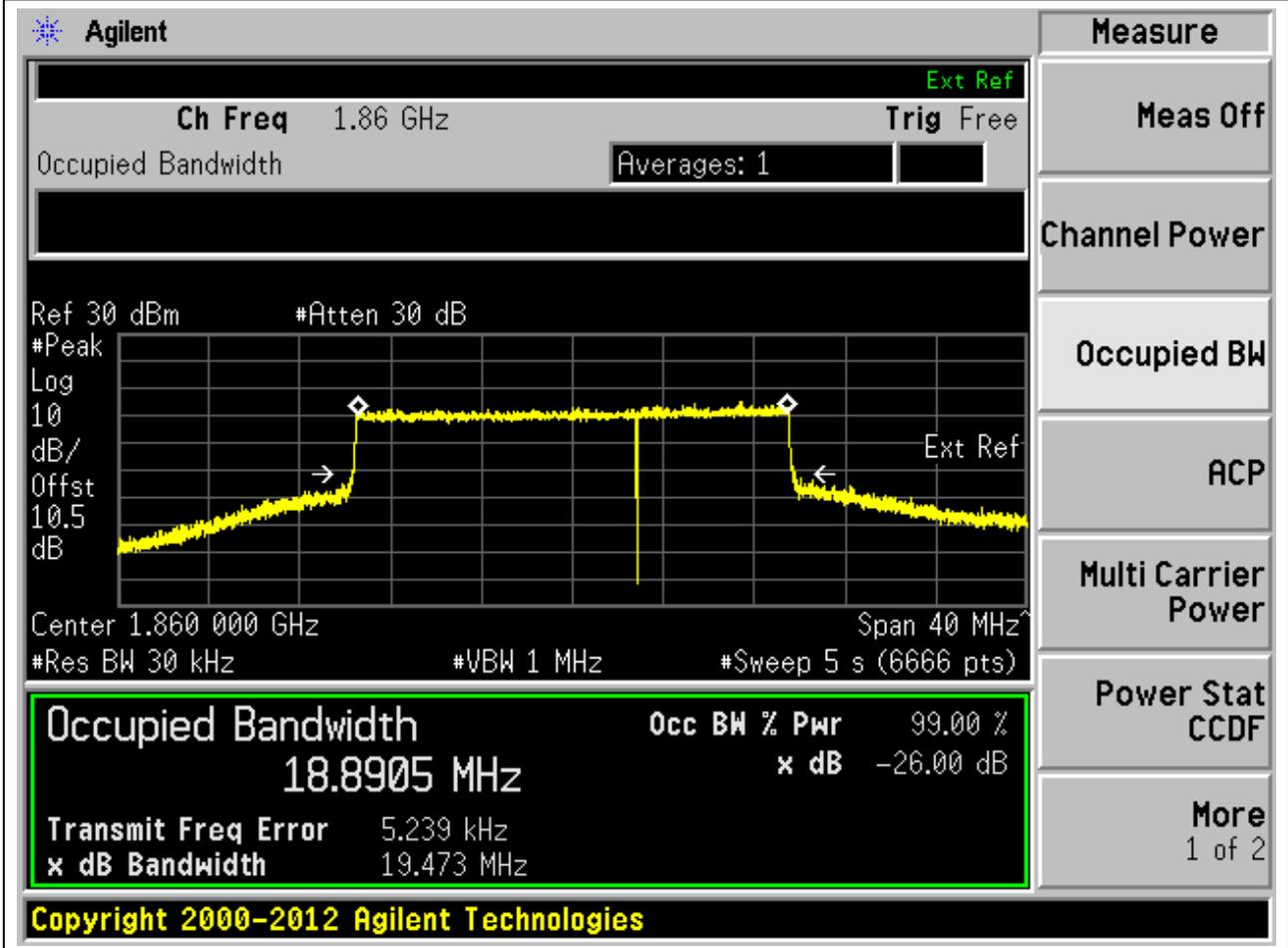
1.36. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.06	14.51	15	Pass



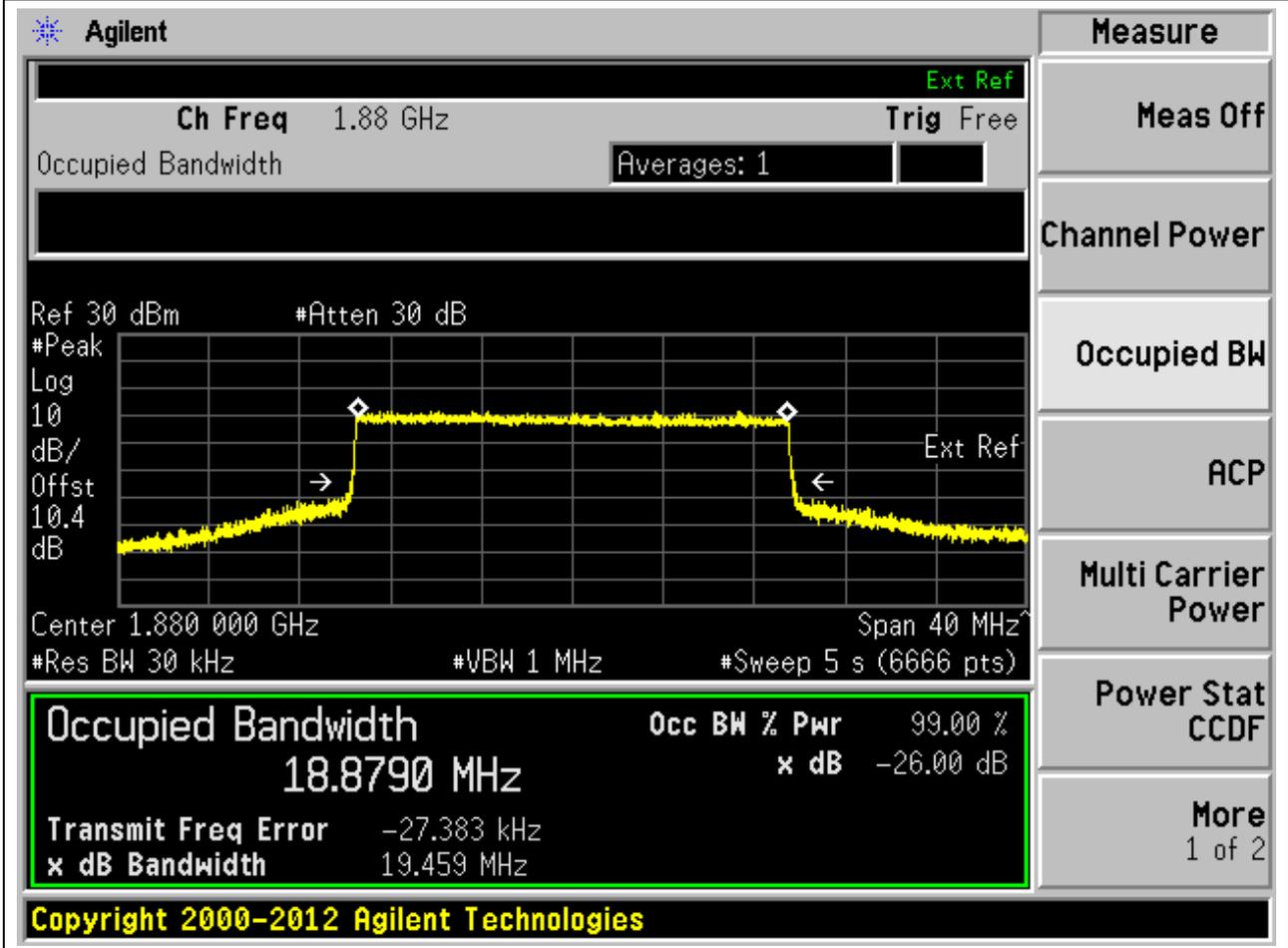
1.37. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.03	Peak	18.89	19.47	20	Pass



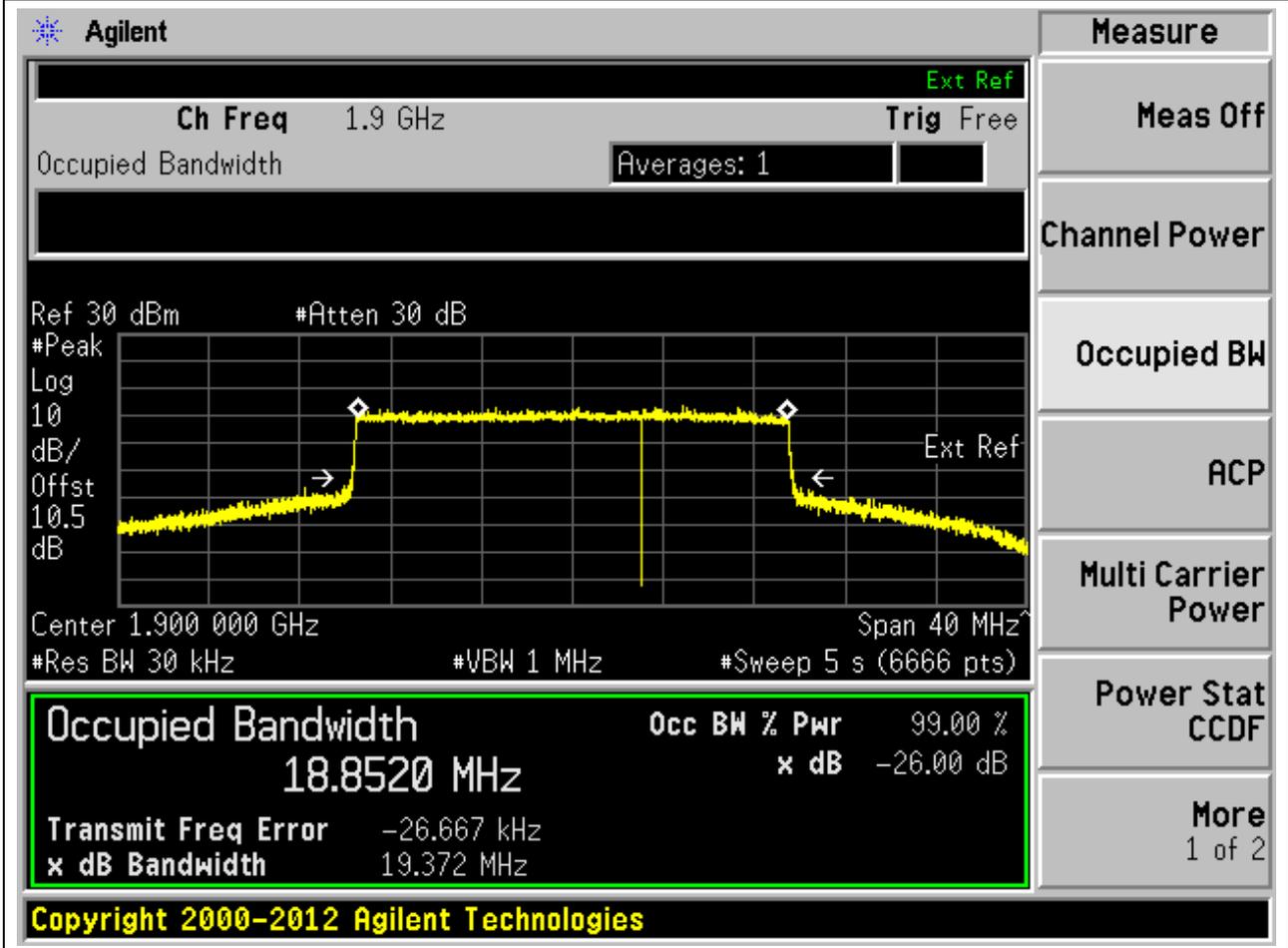
1.38. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.88	19.46	20	Pass



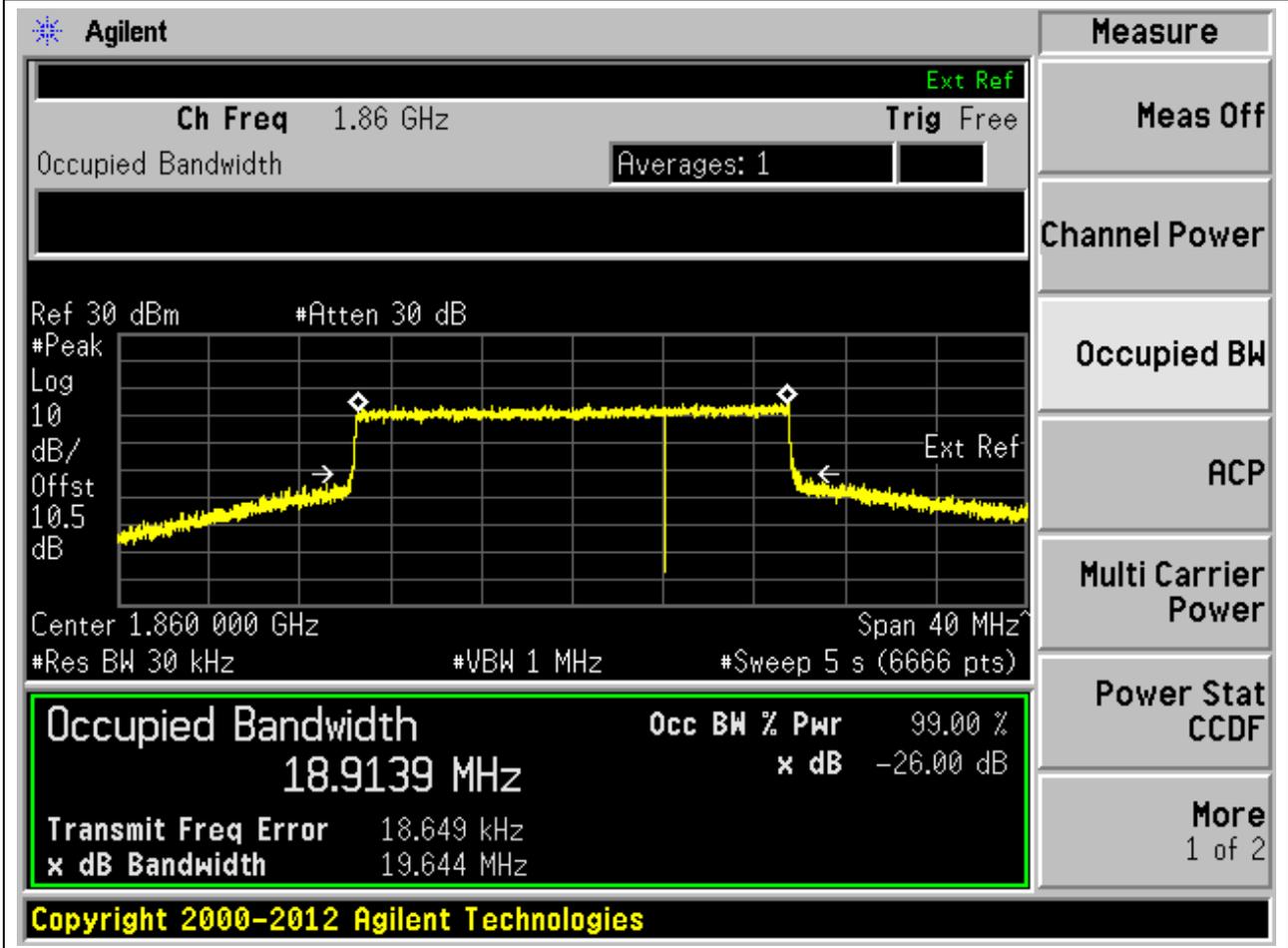
1.39. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.85	19.37	20	Pass



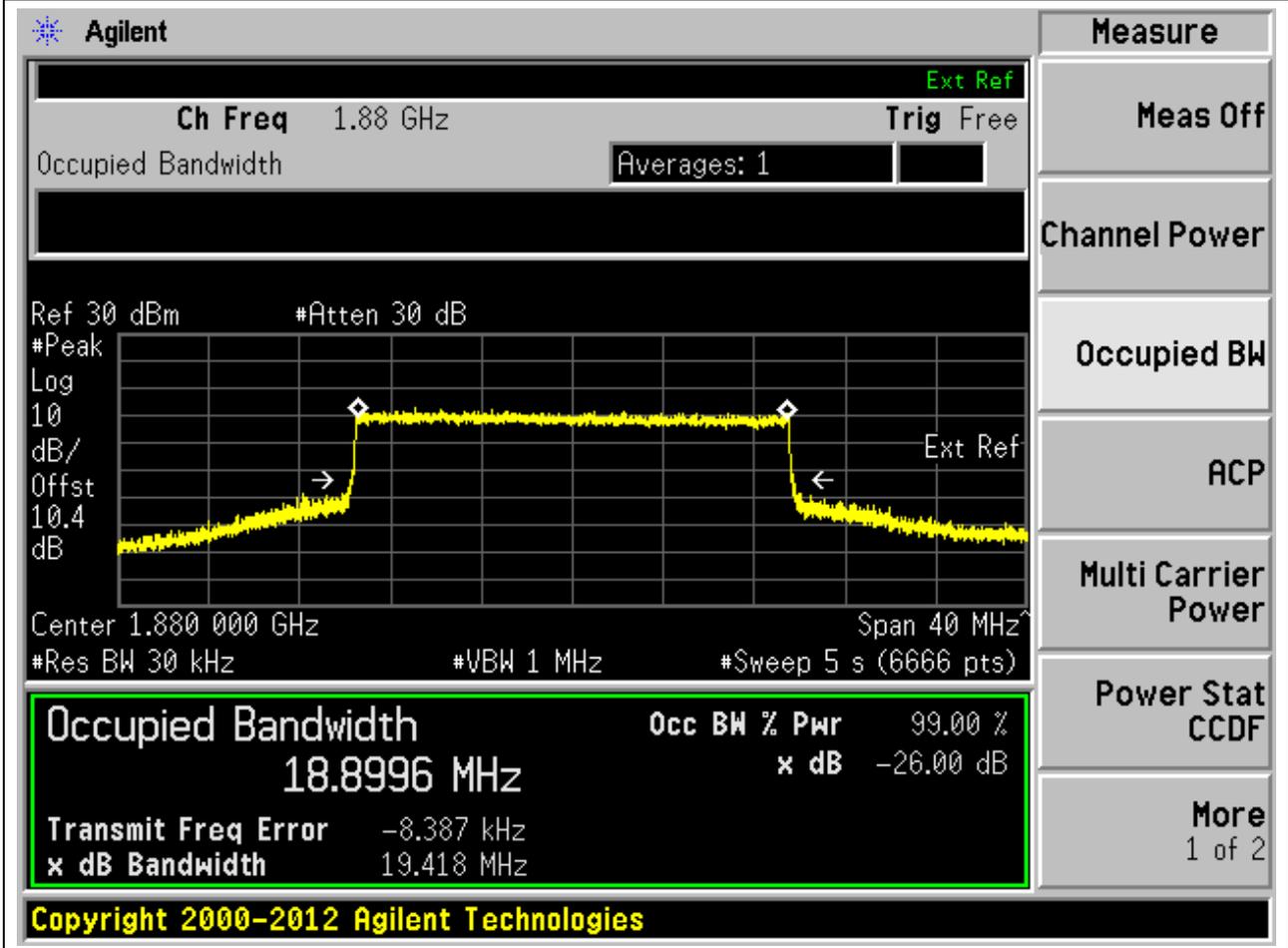
1.40. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.03	Peak	18.91	19.64	20	Pass



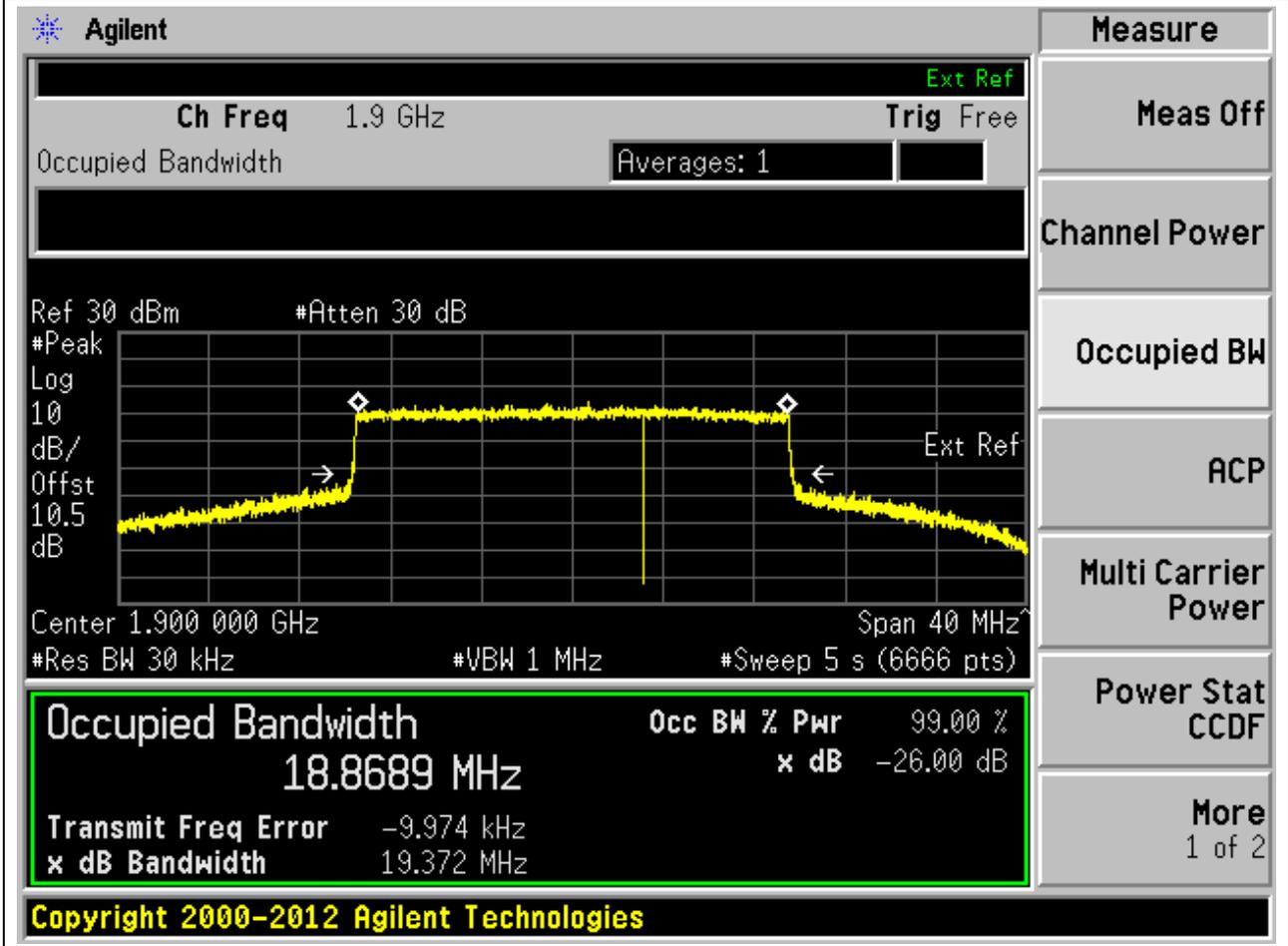
1.41. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.9	19.42	20	Pass



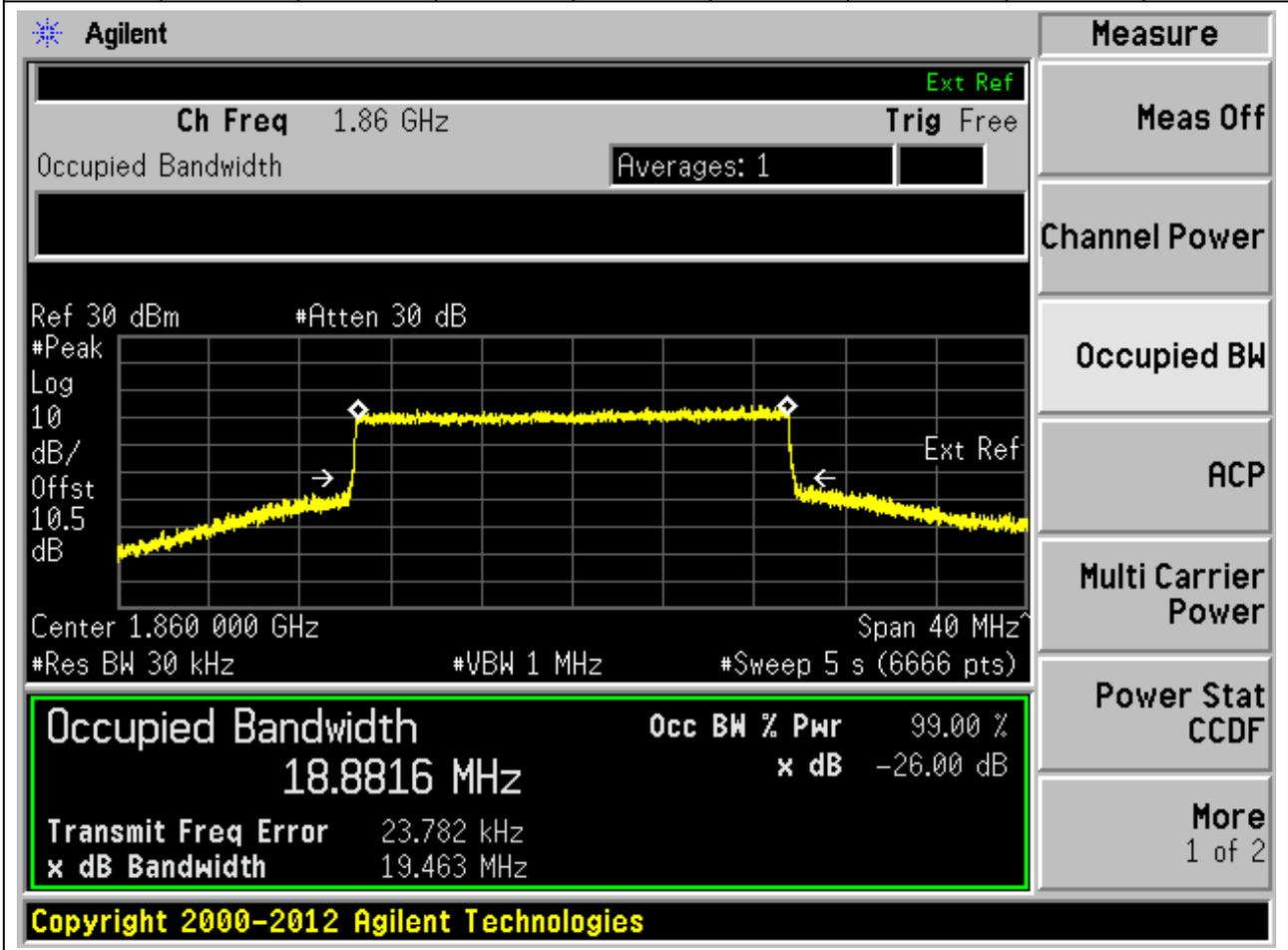
1.42. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.87	19.37	20	Pass



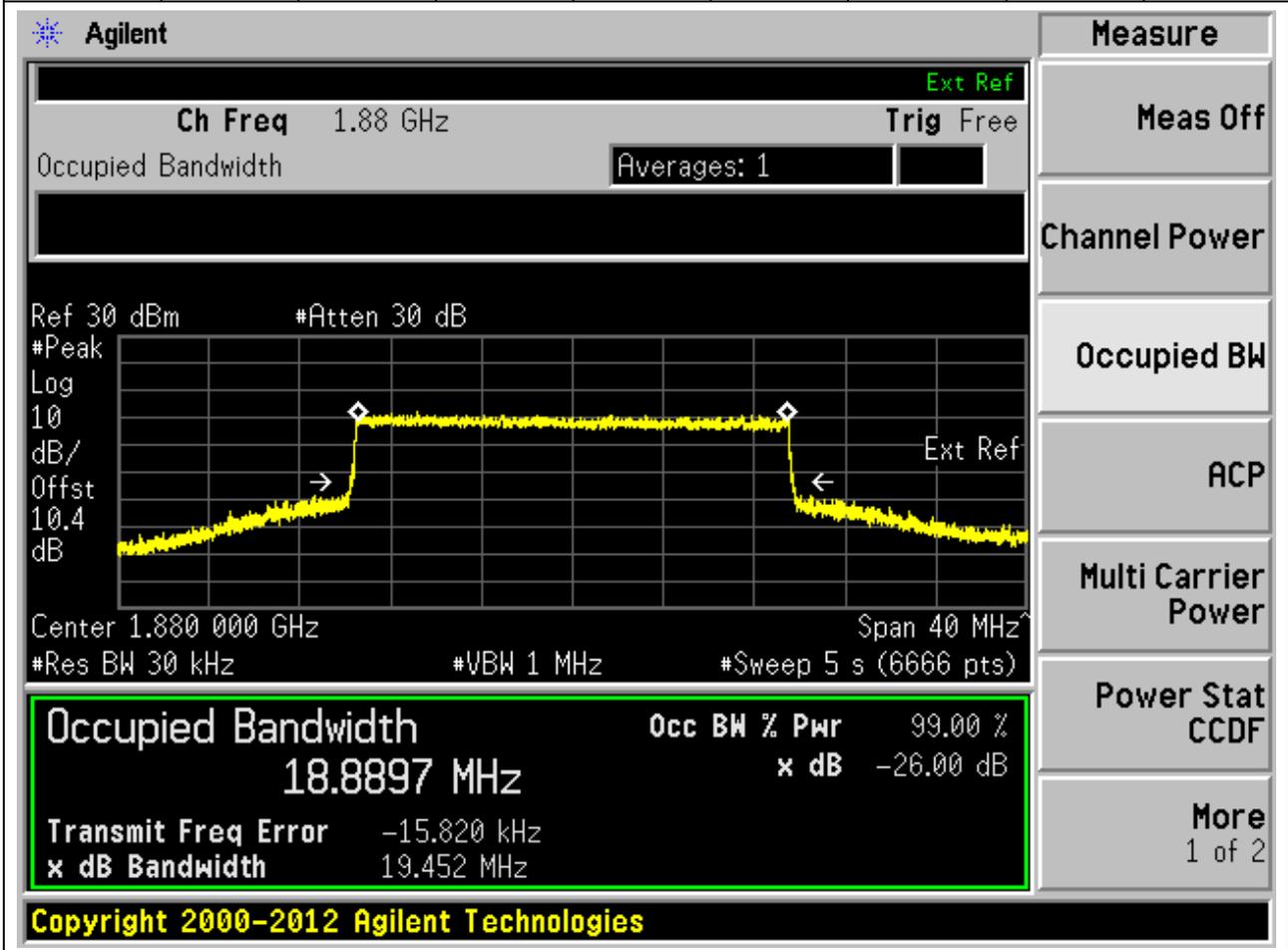
1.43. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.03	Peak	18.88	19.46	20	Pass



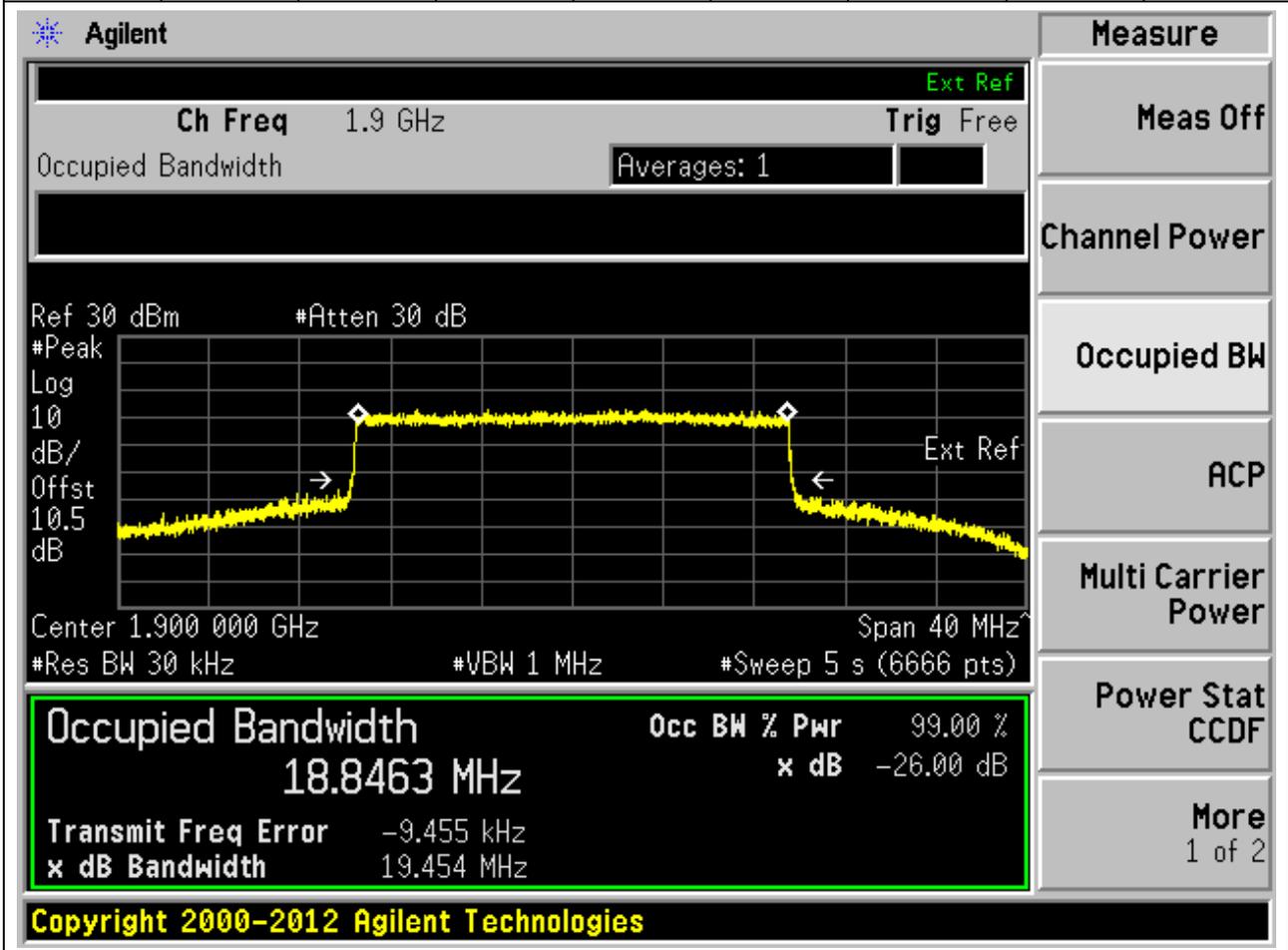
1.44. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.89	19.45	20	Pass



1.45. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380000, 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
1900	99	26	0.03	Peak	18.85	19.45	20	Pass



1.46. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:372000, 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
1860	99	26	0.03	Peak	18.91	19.44	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 1.860 GHz and the span is 40 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.9056 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include: Transmit Freq Error: 23.212 kHz, x dB Bandwidth: 19.445 MHz, and a copyright notice for Agilent Technologies from 2000-2012.

1.47. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:376000, 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
1880	99	26	0.03	Peak	18.89	19.44	20	Pass

Agilent

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.880 000 GHz Span 40 MHz

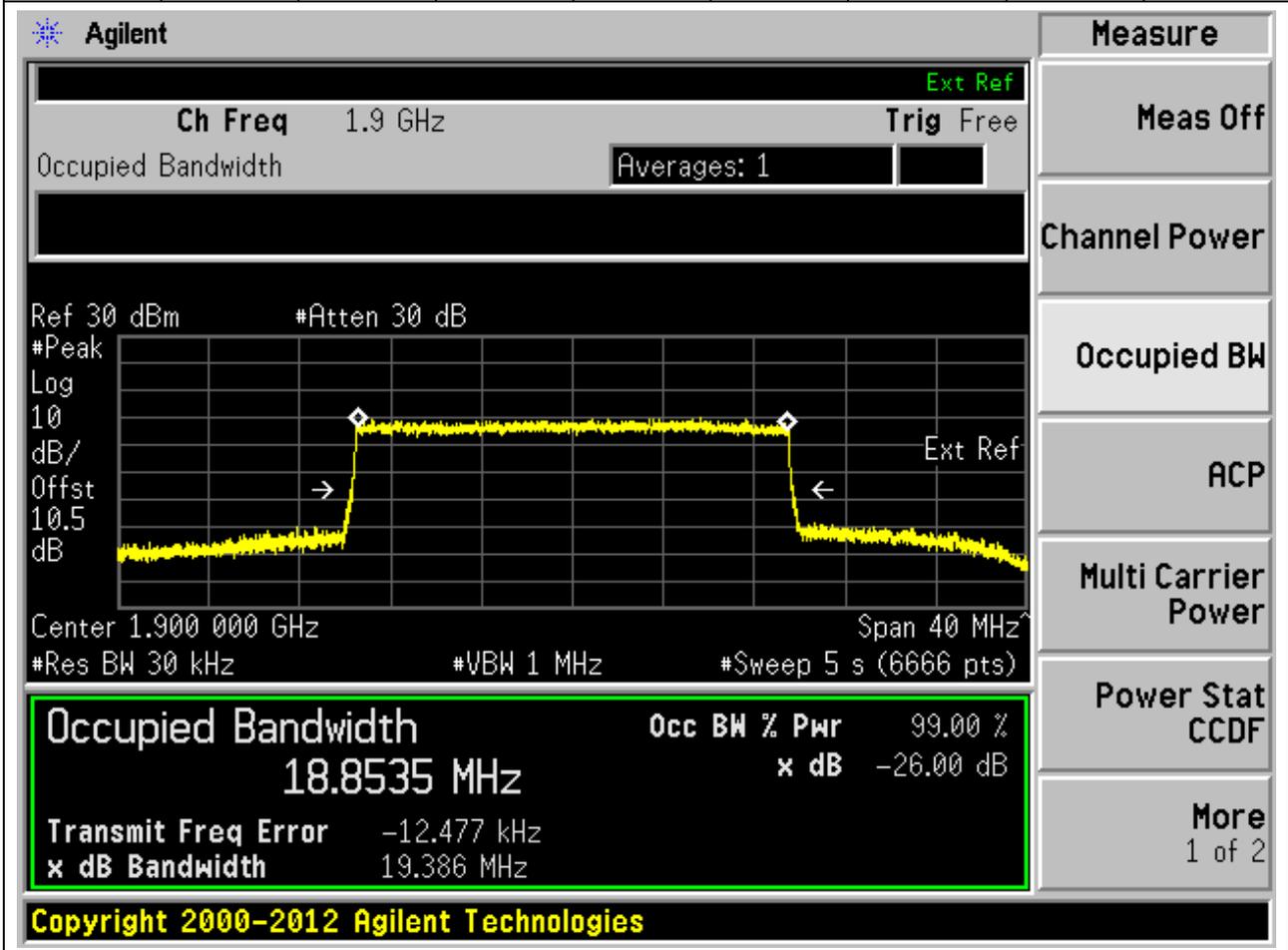
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8894 MHz	x dB	-26.00 dB
Transmit Freq Error		-16.410 kHz
x dB Bandwidth		19.438 MHz

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1.48. Occupied Bandwidth for SA_Part22-24-27(NTLV)(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

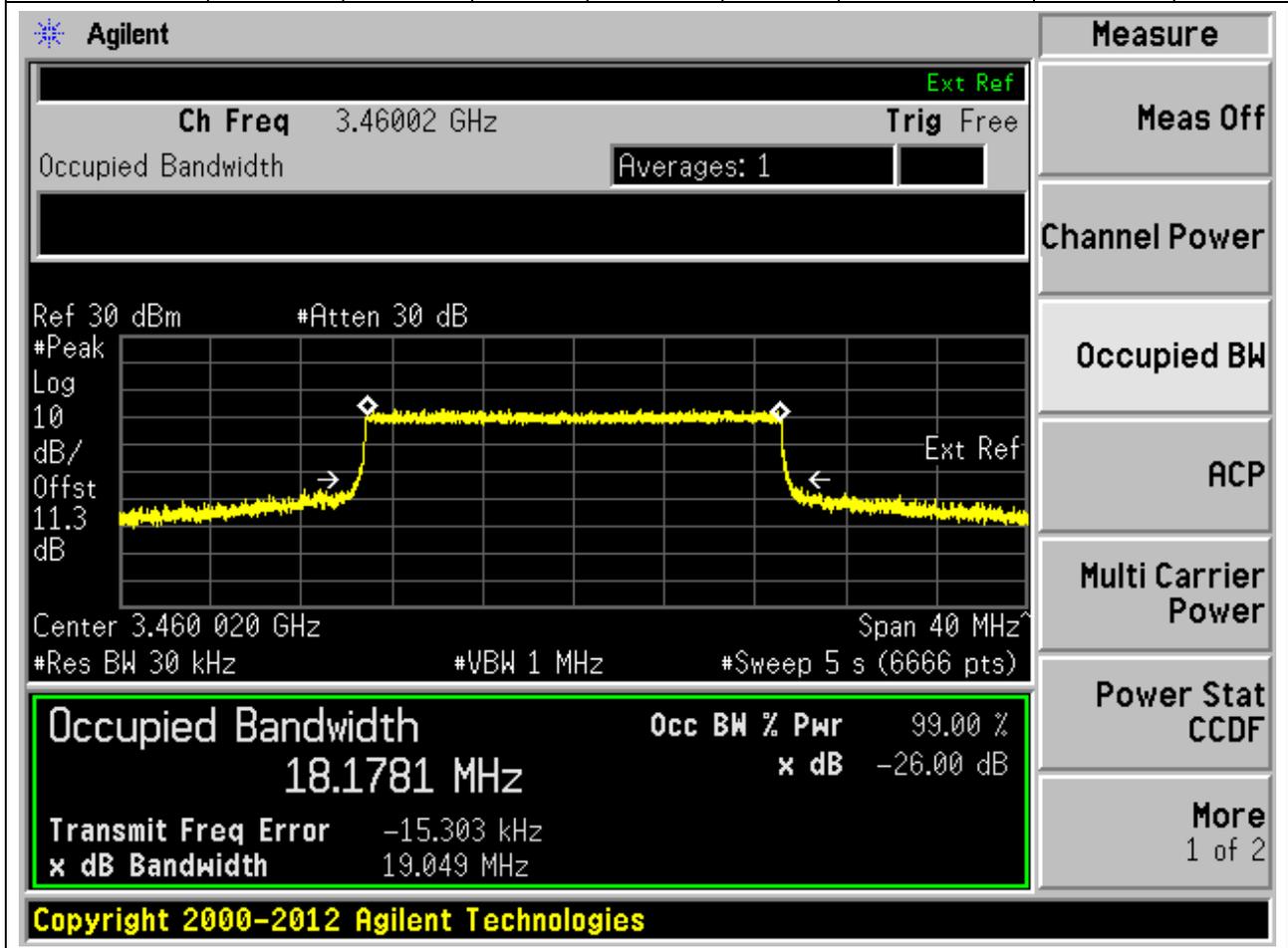
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.85	19.39	20	Pass



1. n77(3450-3550)

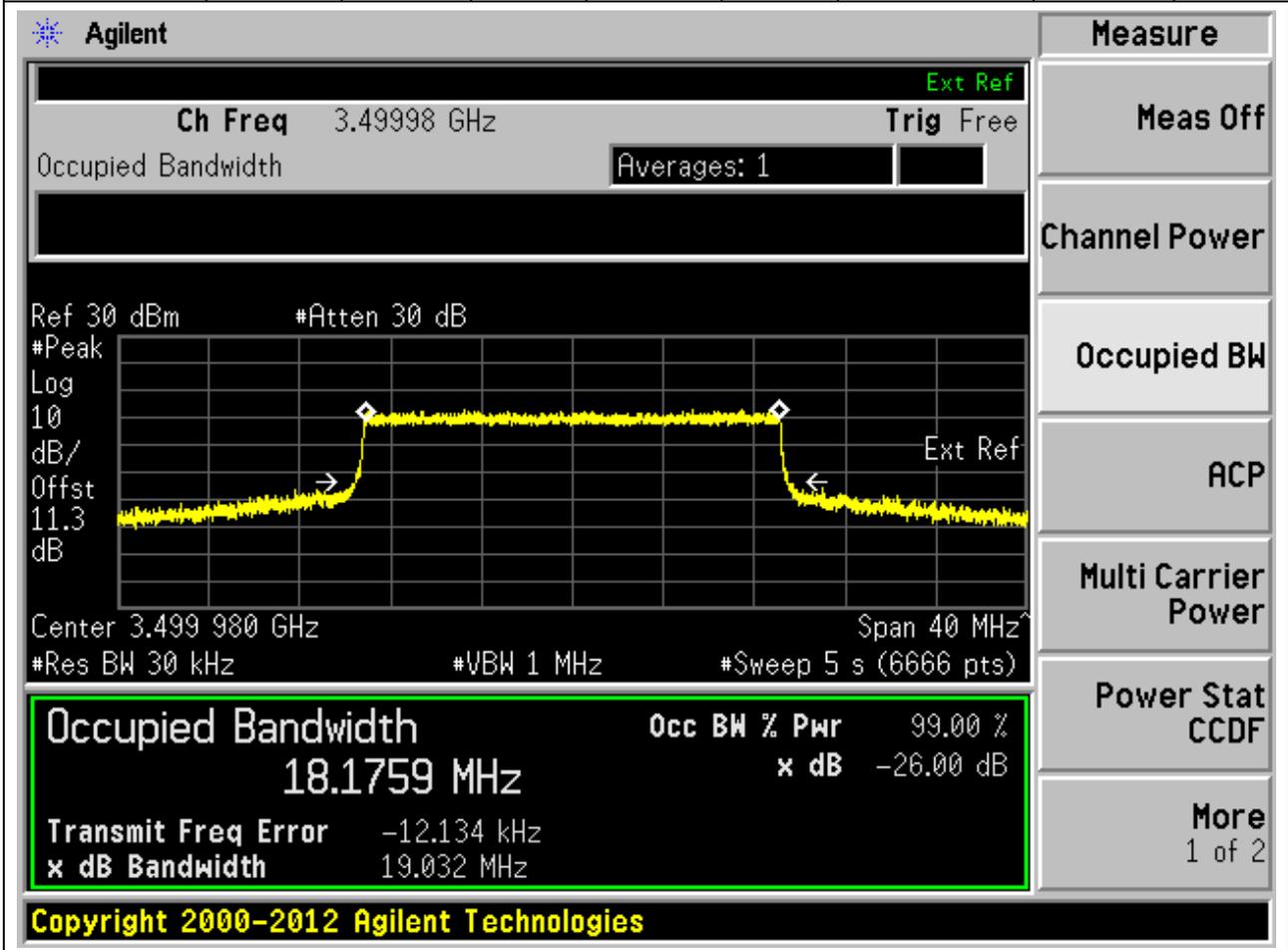
1.1. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.18	19.05	20	Pass



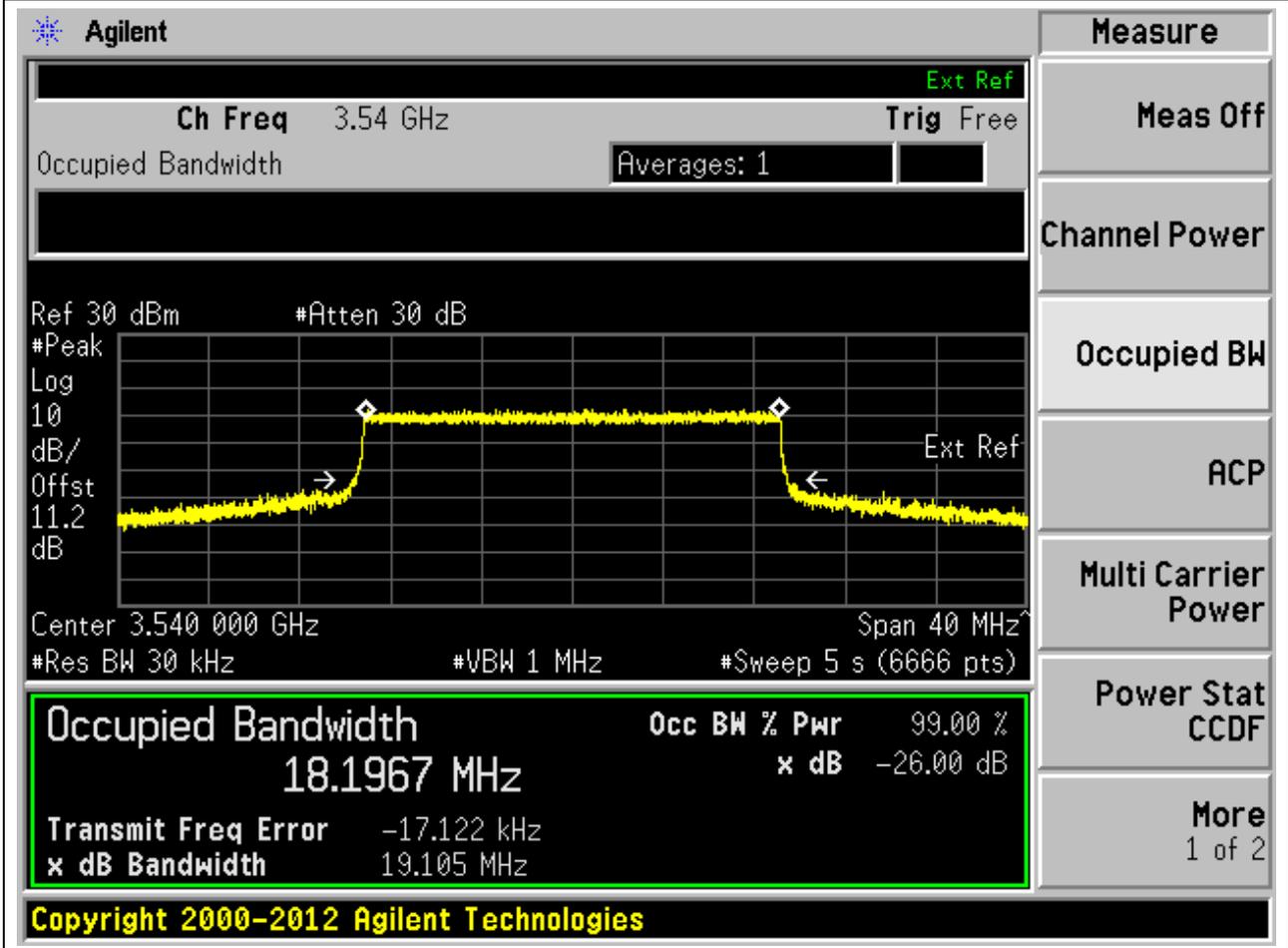
1.2. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.18	19.03	20	Pass



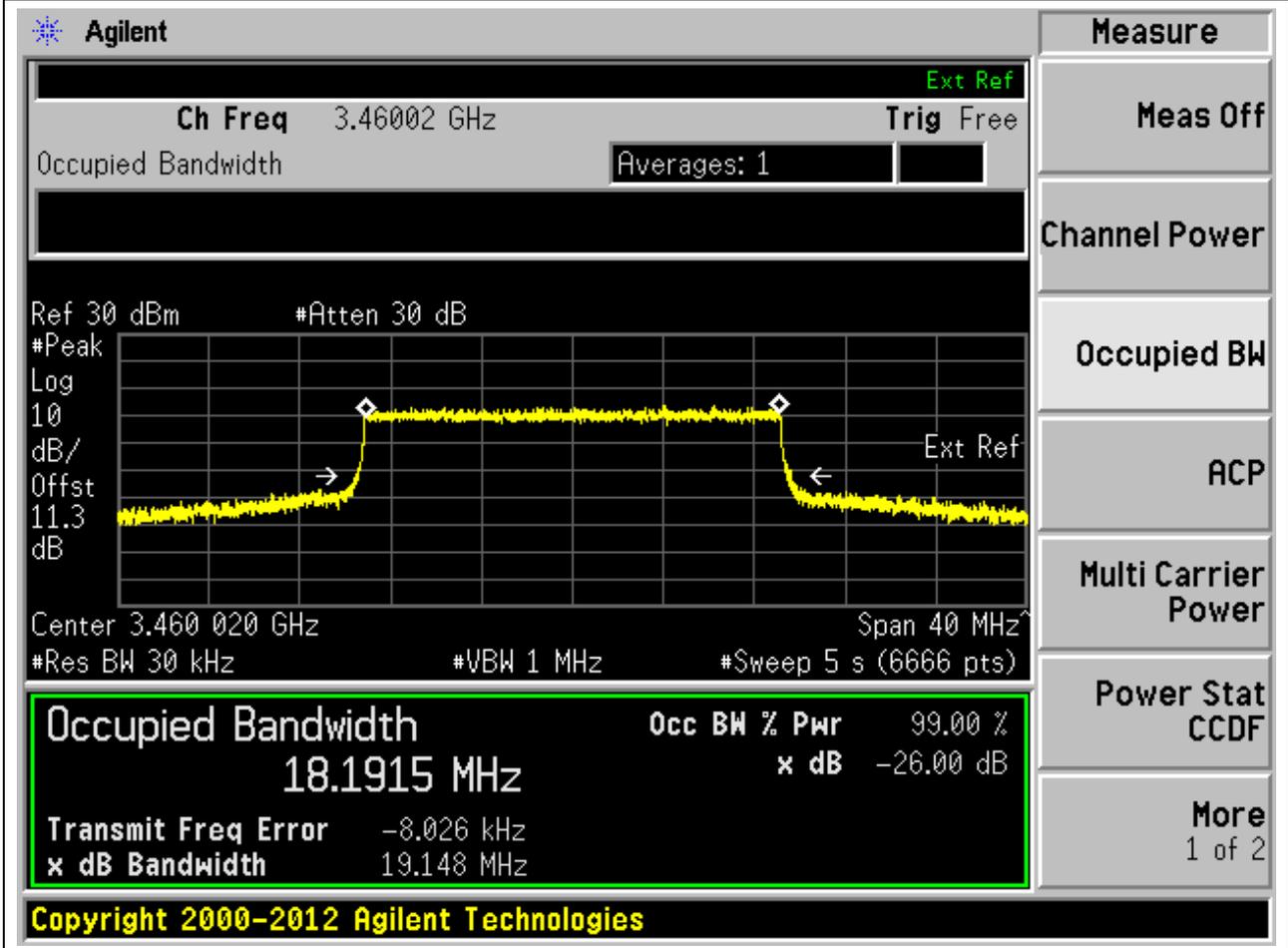
1.3. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.2	19.1	20	Pass



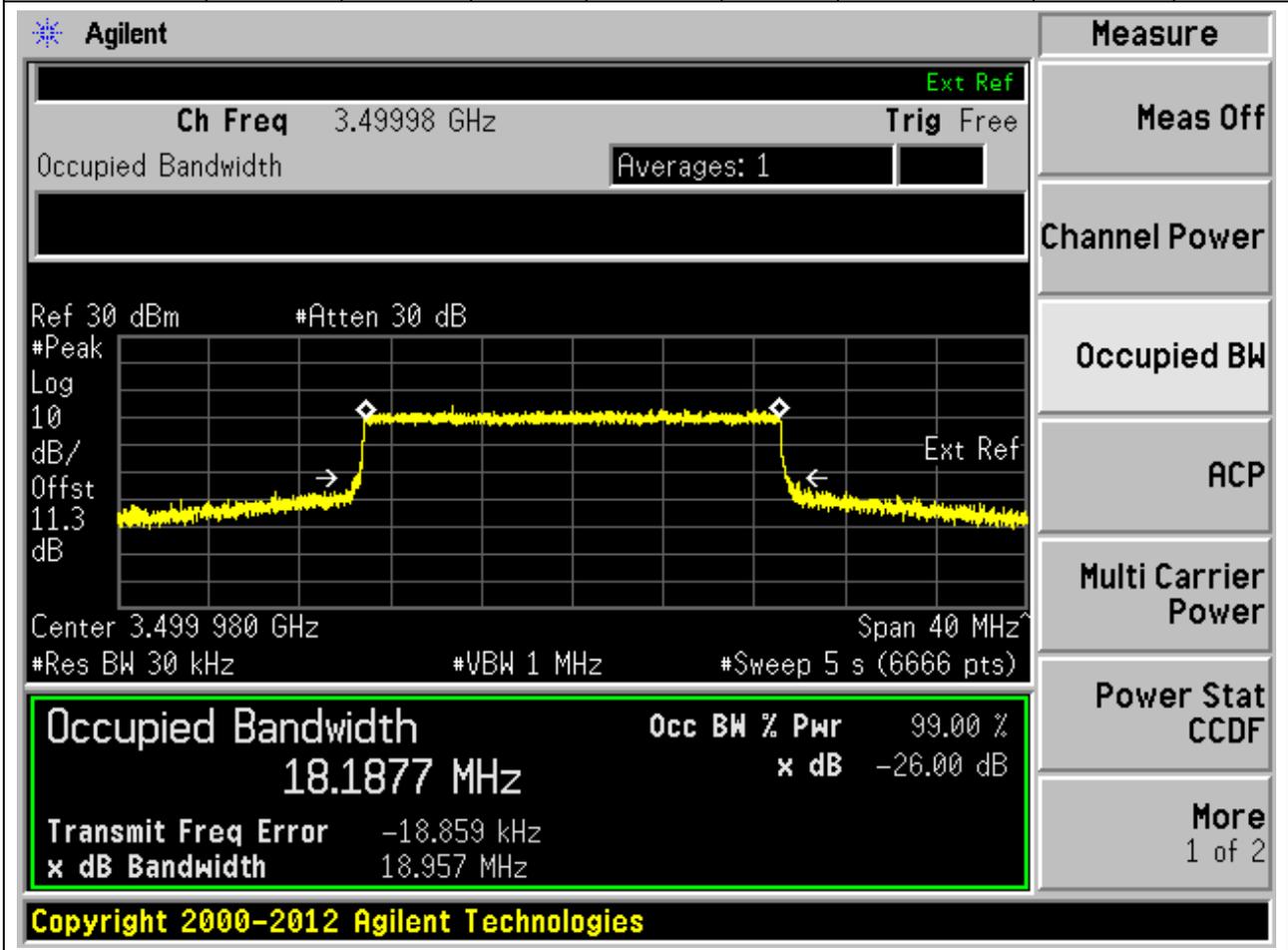
1.4. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.19	19.15	20	Pass



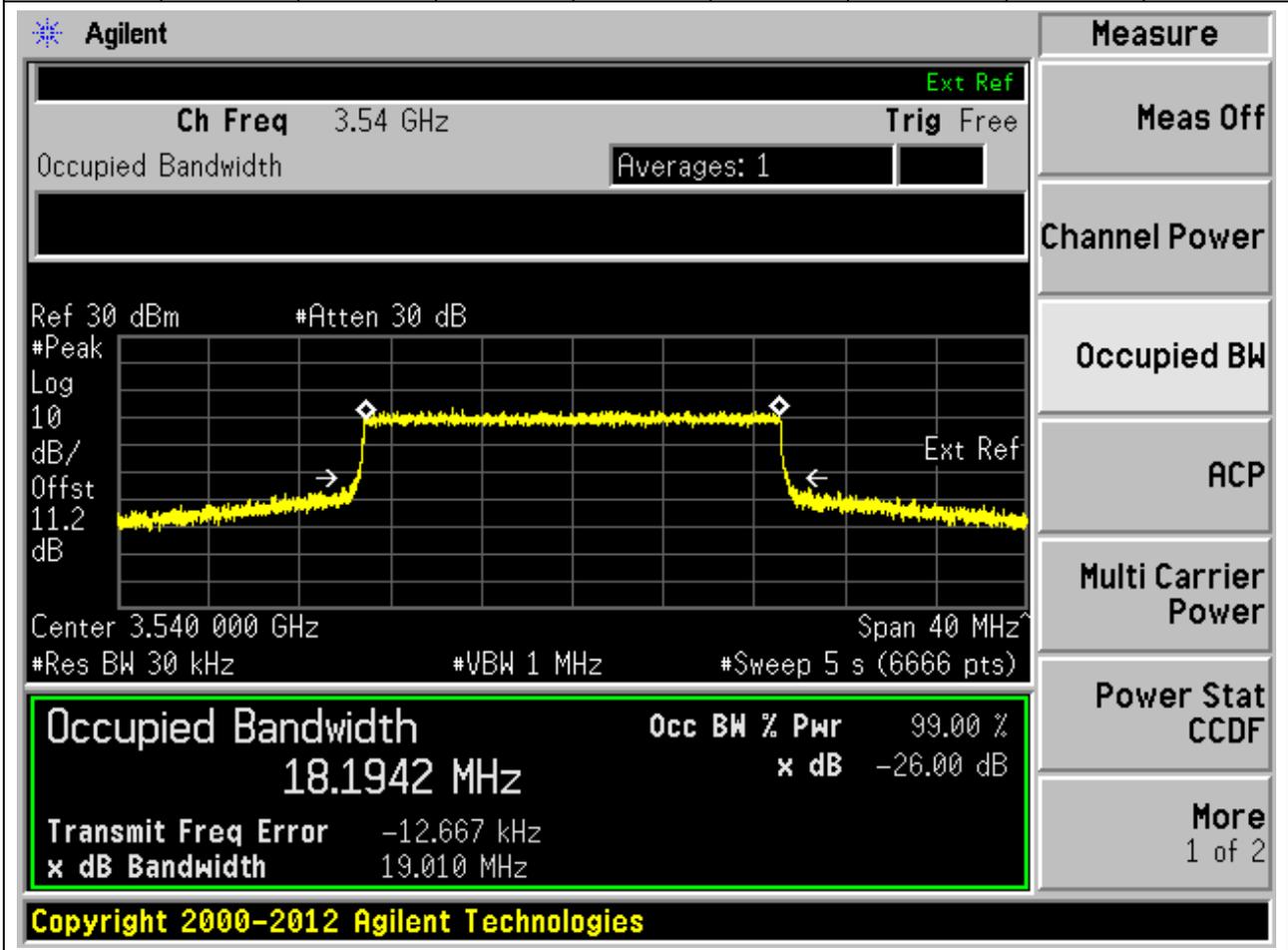
1.5. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.19	18.96	20	Pass



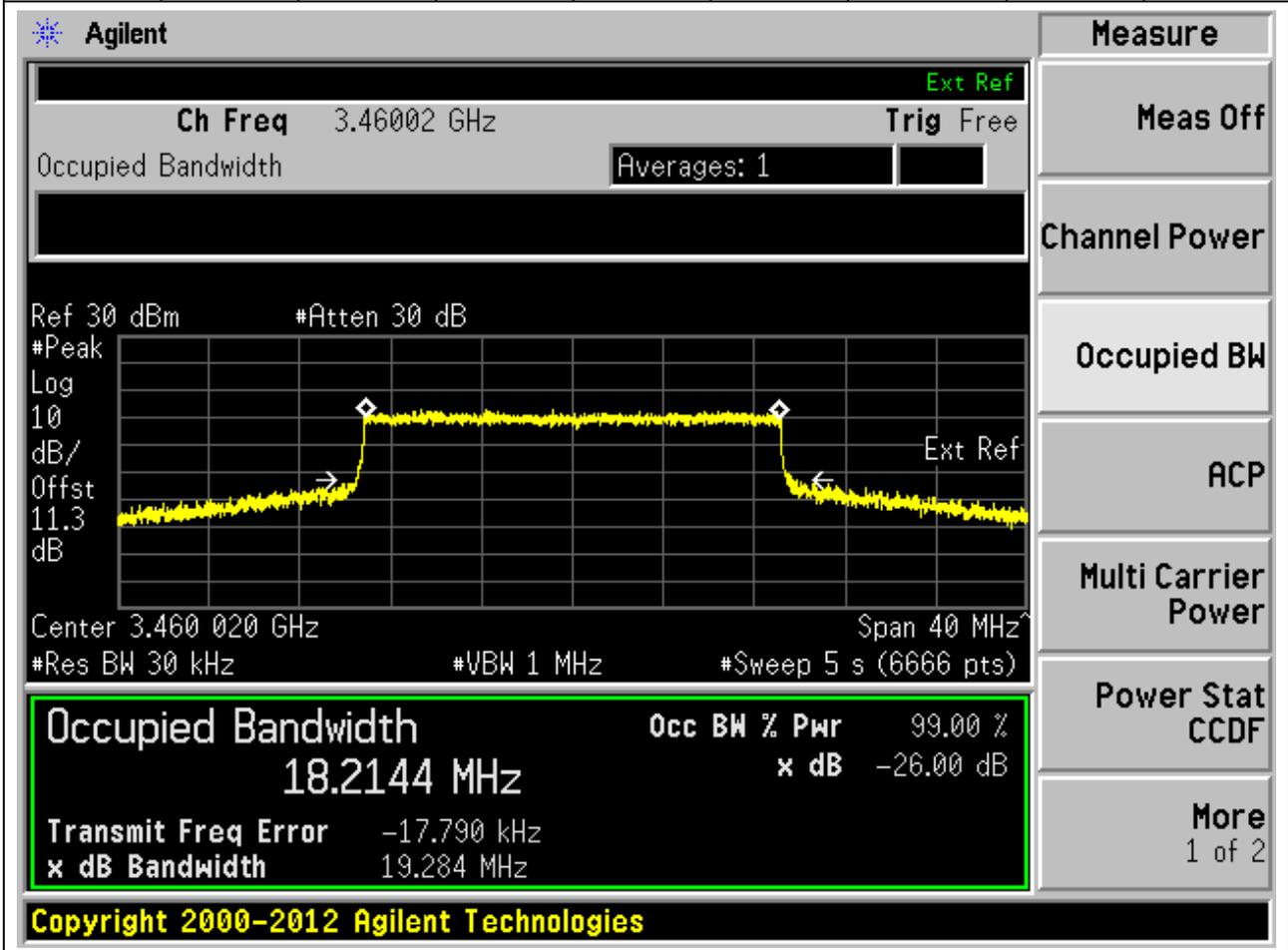
1.6. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.19	19.01	20	Pass



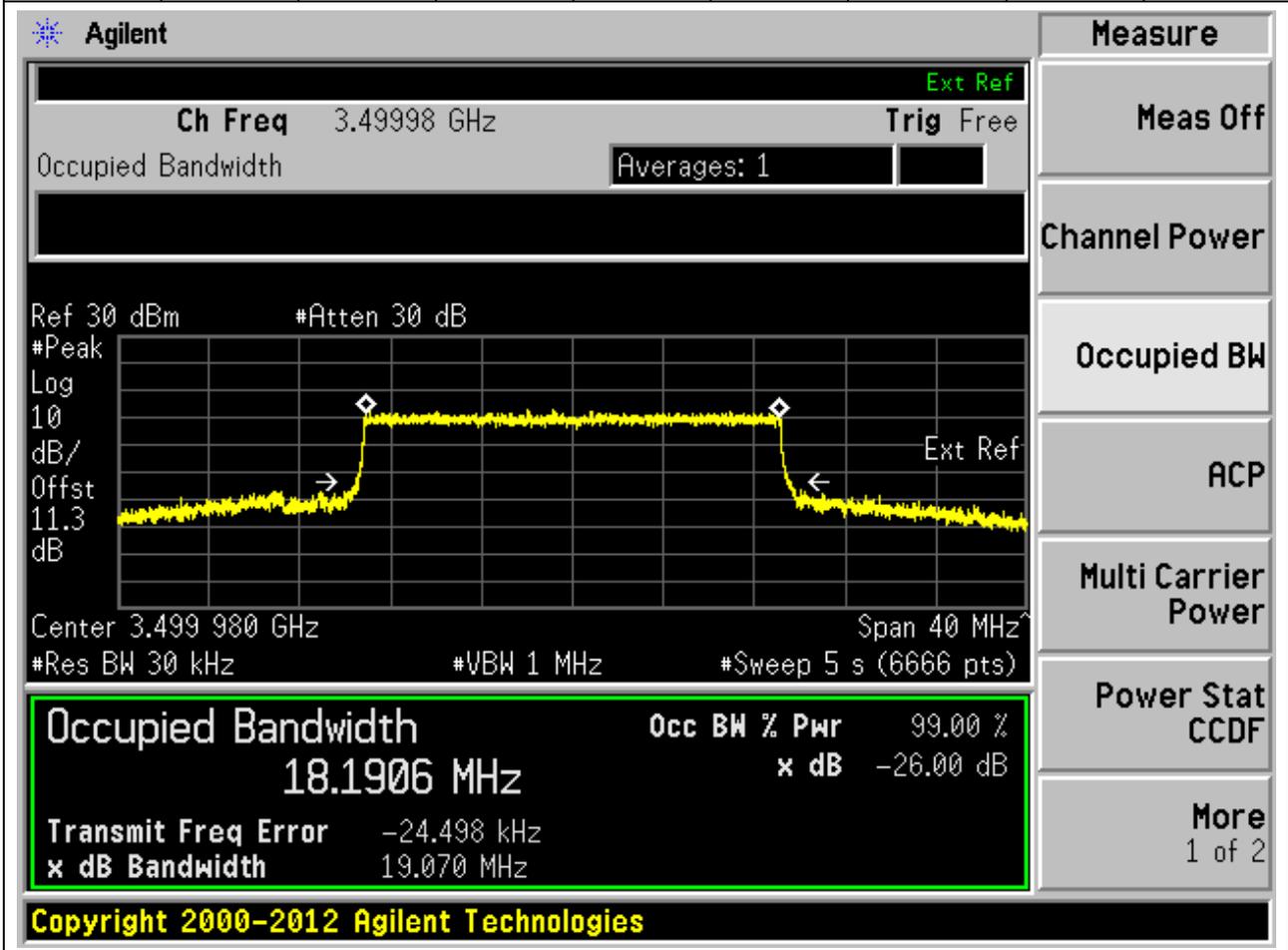
1.7. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.21	19.28	20	Pass



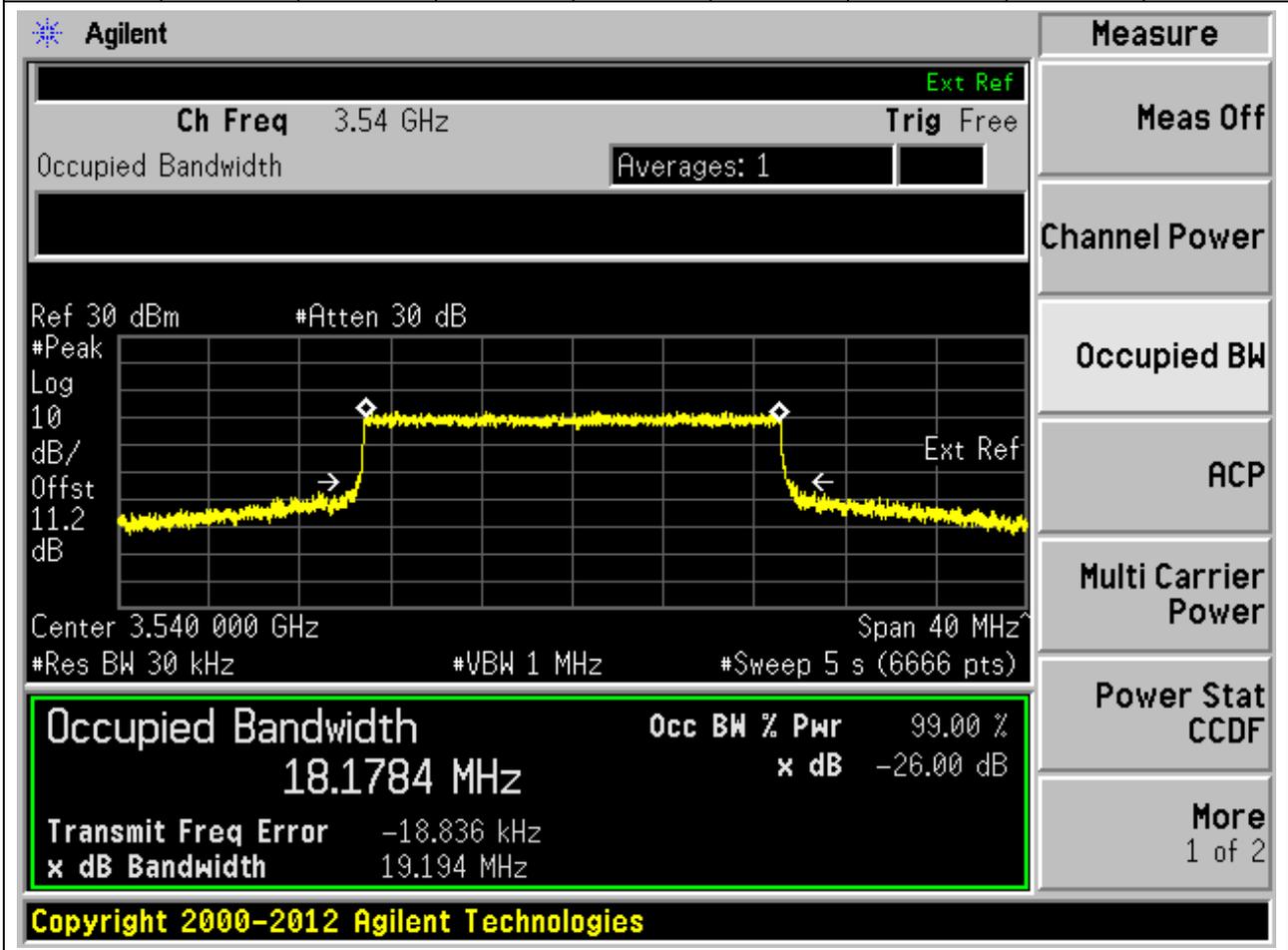
1.8. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.19	19.07	20	Pass



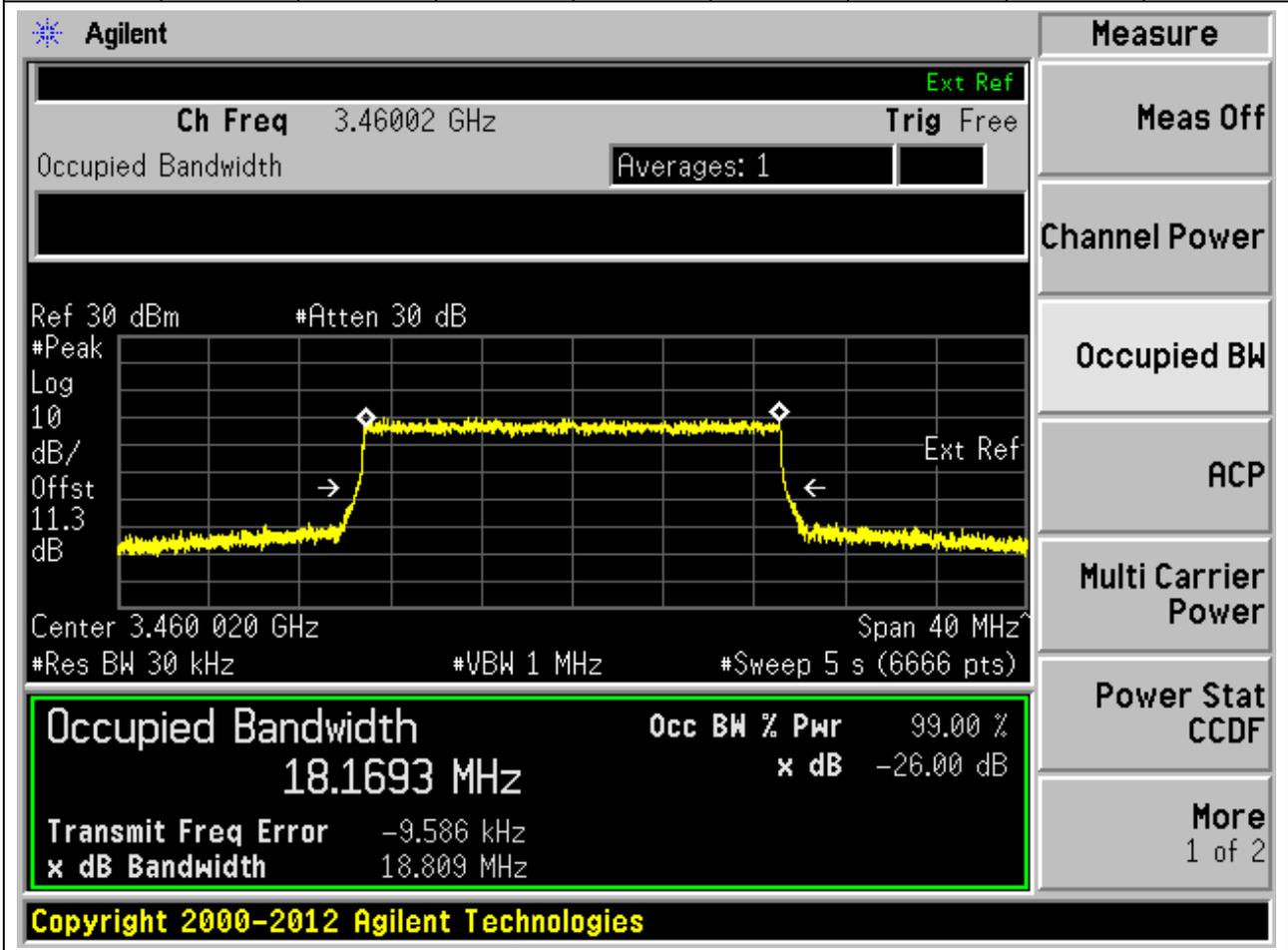
1.9. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.18	19.19	20	Pass



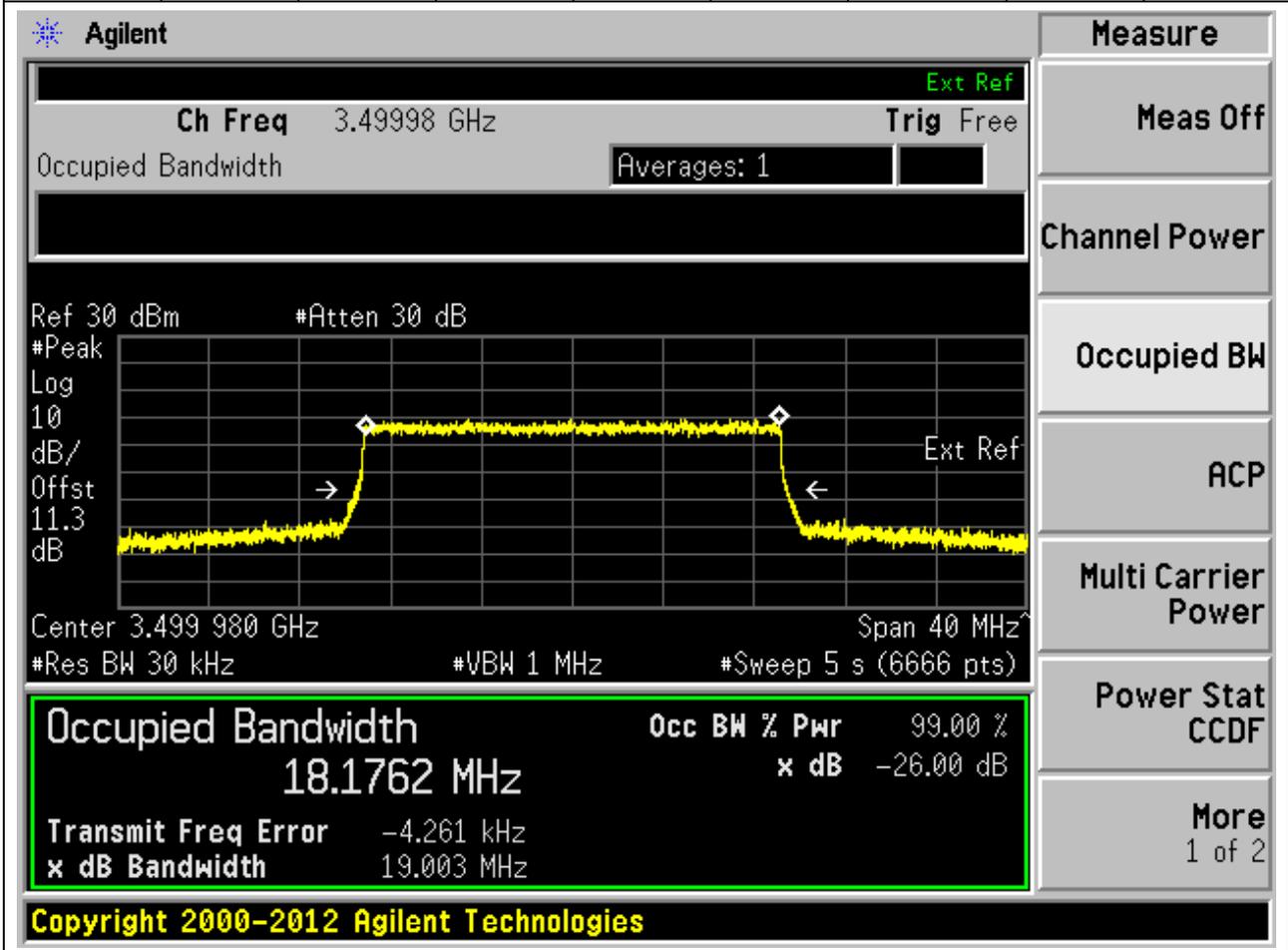
1.10. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.17	18.81	20	Pass



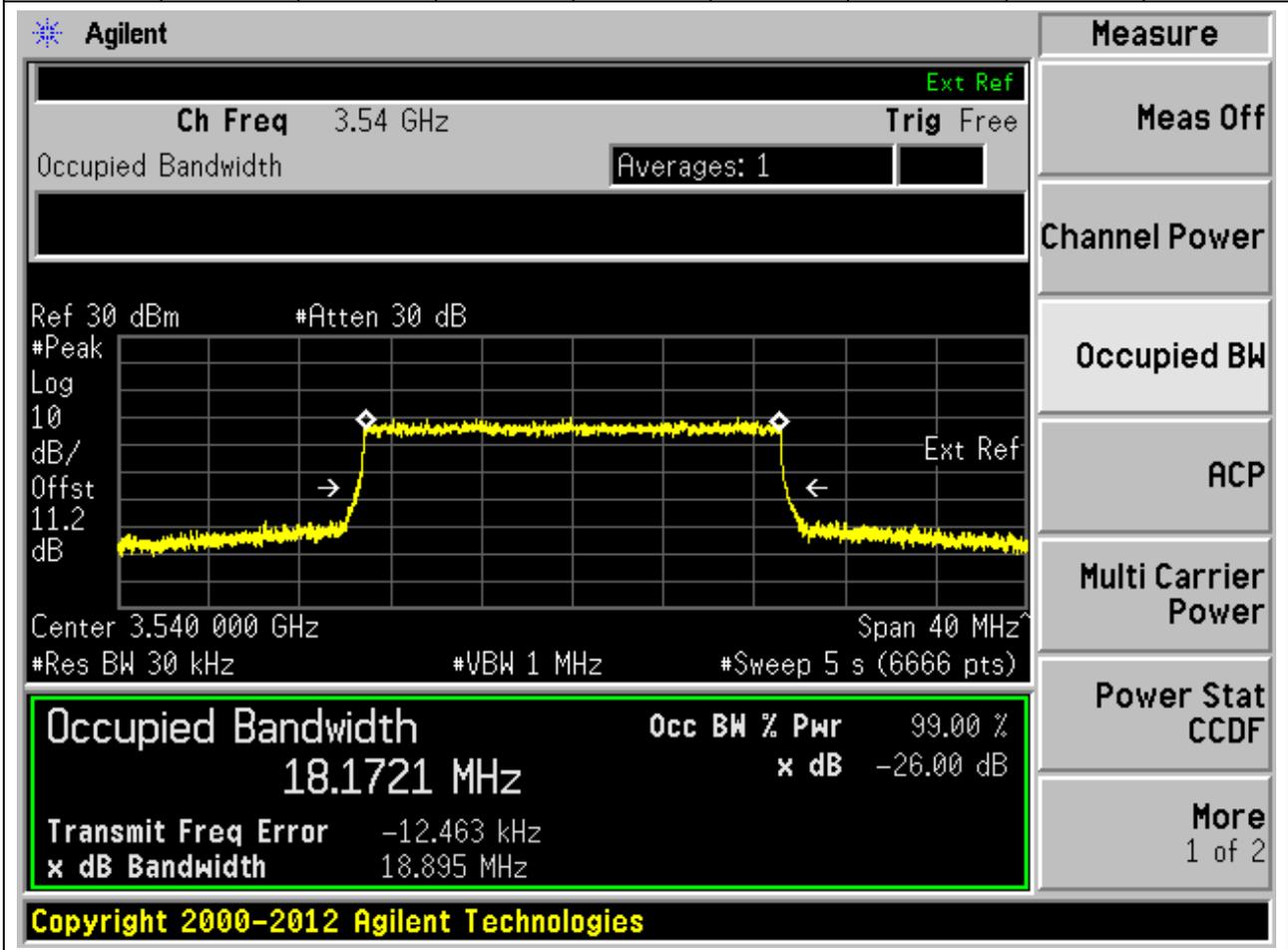
1.11. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.18	19	20	Pass



1.12. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.17	18.9	20	Pass



1.13. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.25	30.66	30	Pass

Agilent

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

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.465 00 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2504 MHz	x dB -26.00 dB
Transmit Freq Error 60.859 kHz	
x dB Bandwidth 30.661 MHz	

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1.14. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.27	30.67	30	Pass

Agilent

Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 11.3 dB

Center 3.499 98 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.2708 MHz	x dB	-26.00 dB
Transmit Freq Error	43.649 kHz	
x dB Bandwidth	30.669 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.15. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.25	30.67	30	Pass

Agilent
Measure

Ch Freq 3.53499 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.534 99 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

28.2461 MHz

Transmit Freq Error 56.923 kHz

x dB Bandwidth 30.666 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.16. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.2	30.52	30	Pass

Agilent

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

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.465 00 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2046 MHz	x dB -26.00 dB
Transmit Freq Error	-18.318 kHz
x dB Bandwidth	30.521 MHz

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1.17. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.21	30.54	30	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2056 MHz	x dB -26.00 dB
Transmit Freq Error	-29.721 kHz
x dB Bandwidth	30.538 MHz

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1.18. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.2	30.53	30	Pass

Agilent

Measure

Ch Freq 3.53499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.2
dB

Center 3.534 99 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1969 MHz	x dB -26.00 dB
Transmit Freq Error	-21.371 kHz
x dB Bandwidth	30.533 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.19. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.31	31.21	30	Pass

Agilent

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

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.465 00 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.3089 MHz	x dB -26.00 dB
Transmit Freq Error -18.610 kHz	
x dB Bandwidth 31.214 MHz	

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1.20. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.28	30.81	30	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2789 MHz	x dB -26.00 dB
Transmit Freq Error	-30.317 kHz
x dB Bandwidth	30.813 MHz

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1.21. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.26	30.74	30	Pass

Agilent

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

Ch Freq 3.53499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.534 99 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2573 MHz	x dB -26.00 dB
Transmit Freq Error	-23.694 kHz
x dB Bandwidth	30.744 MHz

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1.22. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.18	30.59	30	Pass

Agilent

Measure

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1809 MHz	x dB -26.00 dB
Transmit Freq Error 2.692 kHz	
x dB Bandwidth 30.587 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.23. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.19	30.56	30	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1860 MHz	x dB -26.00 dB
Transmit Freq Error	-7.616 kHz
x dB Bandwidth	30.559 MHz

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1.24. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.18	30.63	30	Pass

Agilent

Measure

Ch Freq 3.53499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 11.2 dB

Center 3.534 99 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.1789 MHz	x dB	-26.00 dB
Transmit Freq Error	3.019 kHz	
x dB Bandwidth	30.631 MHz	

Power Stat CCDF
More 1 of 2

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1.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.11	40.61	40	Pass

Agilent
Measure

Ch Freq 3.47001 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.470 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1139 MHz	x dB -26.00 dB
Transmit Freq Error -17.451 kHz	
x dB Bandwidth 40.609 MHz	

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1.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.14	40.73	40	Pass

Agilent

Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.3

dB

Center 3.500 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1423 MHz	x dB -26.00 dB
Transmit Freq Error	-20.288 kHz
x dB Bandwidth	40.732 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.27. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	38.11	40.7	40	Pass

Agilent

Ext Ref

Ch Freq 3.52998 GHz Trig Free

Occupied Bandwidth Averages: 1

Measure

Ref 30 dBm #Atten 30 dB

#Peak

Log

10 dB/

Offst 11.2 dB

Center 3.530 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

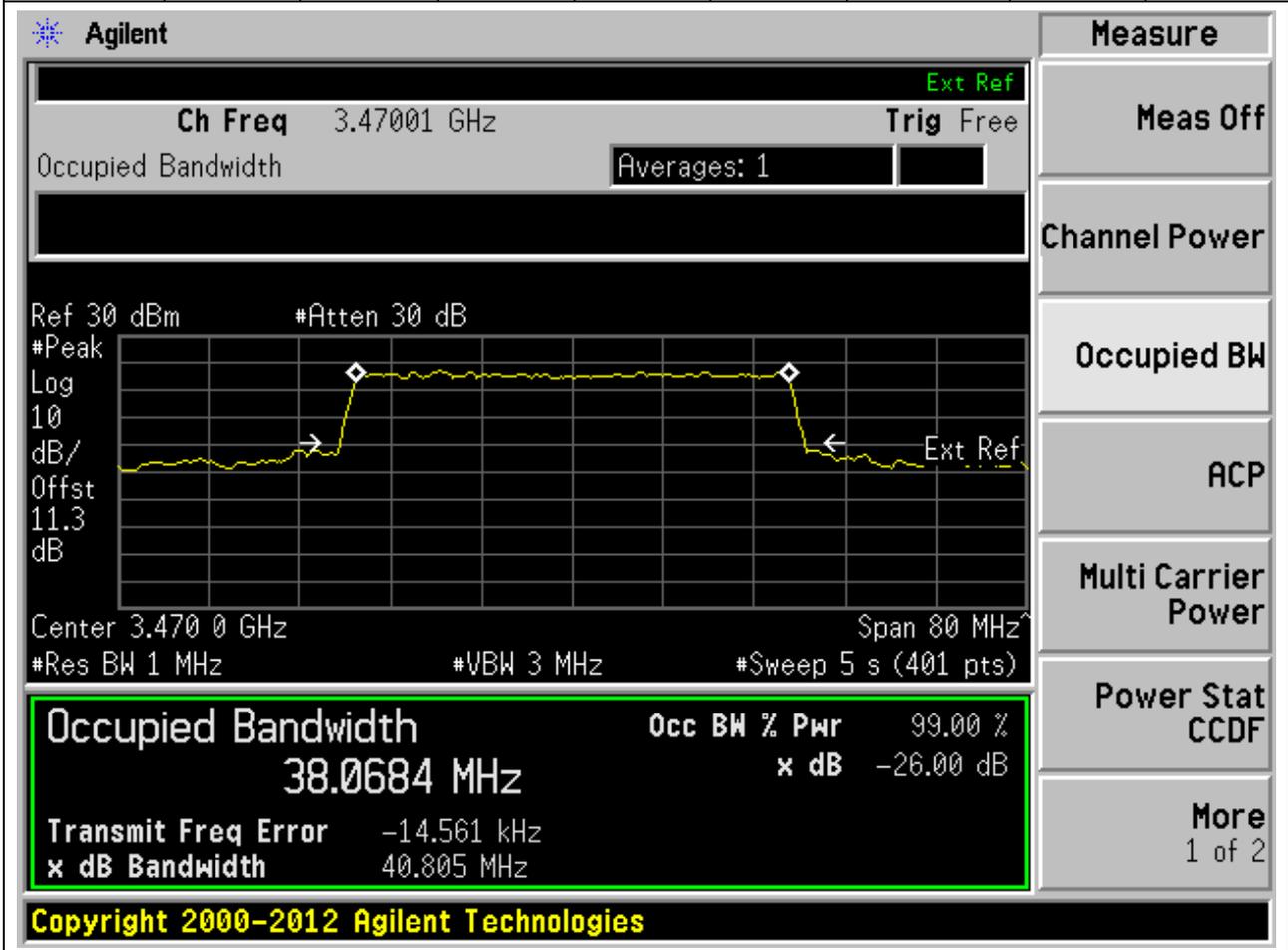
More
1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1124 MHz	x dB -26.00 dB
Transmit Freq Error -17.303 kHz	
x dB Bandwidth 40.700 MHz	

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1.28. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.07	40.8	40	Pass



1.29. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.1	40.86	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.49998 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a 30 dB attenuator, a 10 dB resolution bandwidth, and a 11.3 dB offset. The occupied bandwidth is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.0983 MHz	x dB	-26.00 dB
Transmit Freq Error		-26.567 kHz
x dB Bandwidth		40.865 MHz

Additional parameters shown include a center frequency of 3.5000 GHz, a span of 80 MHz, a resolution bandwidth of 1 MHz, a video bandwidth of 3 MHz, and a sweep time of 5 seconds (401 points). The right-hand side of the interface features a 'Measure' menu 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 notice: 'Copyright 2000-2012 Agilent Technologies'.

1.30. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	38.07	40.71	40	Pass

Agilent

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

Ch Freq 3.52998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.2
 dB

Center 3.530 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0708 MHz	x dB -26.00 dB
Transmit Freq Error	-16.041 kHz
x dB Bandwidth	40.709 MHz

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1.31. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.14	41.84	40	Pass

Agilent

Measure

Ch Freq 3.47001 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 3.470 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1447 MHz	x dB -26.00 dB
Transmit Freq Error -54.008 kHz	
x dB Bandwidth 41.842 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.32. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.14	40.77	40	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.500 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1443 MHz	x dB -26.00 dB
Transmit Freq Error	-67.686 kHz
x dB Bandwidth	40.773 MHz

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1.33. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	38.12	40.83	40	Pass

Agilent

Ext Ref

Ch Freq 3.52998 GHz Trig Free

Occupied Bandwidth Averages: 1

Measure

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 3.530 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

38.1157 MHz x dB -26.00 dB

Transmit Freq Error -55.106 kHz

x dB Bandwidth 40.834 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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1.34. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.05	40.84	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.47001 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.3 dB, Center 3.470 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, and #Sweep 5 s (401 pts). A green box highlights the measurement results: Occupied Bandwidth 38.0490 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error 15.805 kHz, and x dB Bandwidth 40.838 MHz. 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). The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

1.35. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.08	40.72	40	Pass

Agilent
Measure

Ch Freq 3.49998 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

38.0789 MHz

Transmit Freq Error 9.486 kHz

x dB Bandwidth 40.719 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.36. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	37.99	40.67	40	Pass

Agilent

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

Ch Freq 3.52998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.530 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
37.9922 MHz	x dB -26.00 dB
Transmit Freq Error 35.386 kHz	
x dB Bandwidth 40.671 MHz	

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1.37. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.6	50.46	50	Pass

Agilent

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

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 11.3 dB

Center 3.475 02 GHz
Span 100 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.5958 MHz	x dB	-26.00 dB
Transmit Freq Error	42.276 kHz	
x dB Bandwidth	50.457 MHz	

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1.38. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.63	50.47	50	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.499 98 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

47.6291 MHz

Transmit Freq Error 44.364 kHz

x dB Bandwidth 50.472 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.39. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.68	50.57	50	Pass

Agilent

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

Ch Freq 3.525 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.525 00 GHz Span 100 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.6809 MHz	x dB -26.00 dB
Transmit Freq Error 14.074 kHz	
x dB Bandwidth 50.570 MHz	

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1.40. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.53	50.48	50	Pass

Agilent

Measure

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.3
dB

Center 3.475 02 GHz
Span 100 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.5333 MHz	x dB -26.00 dB
Transmit Freq Error -51.236 kHz	
x dB Bandwidth 50.476 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.41. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.55	50.41	50	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 100 MHz

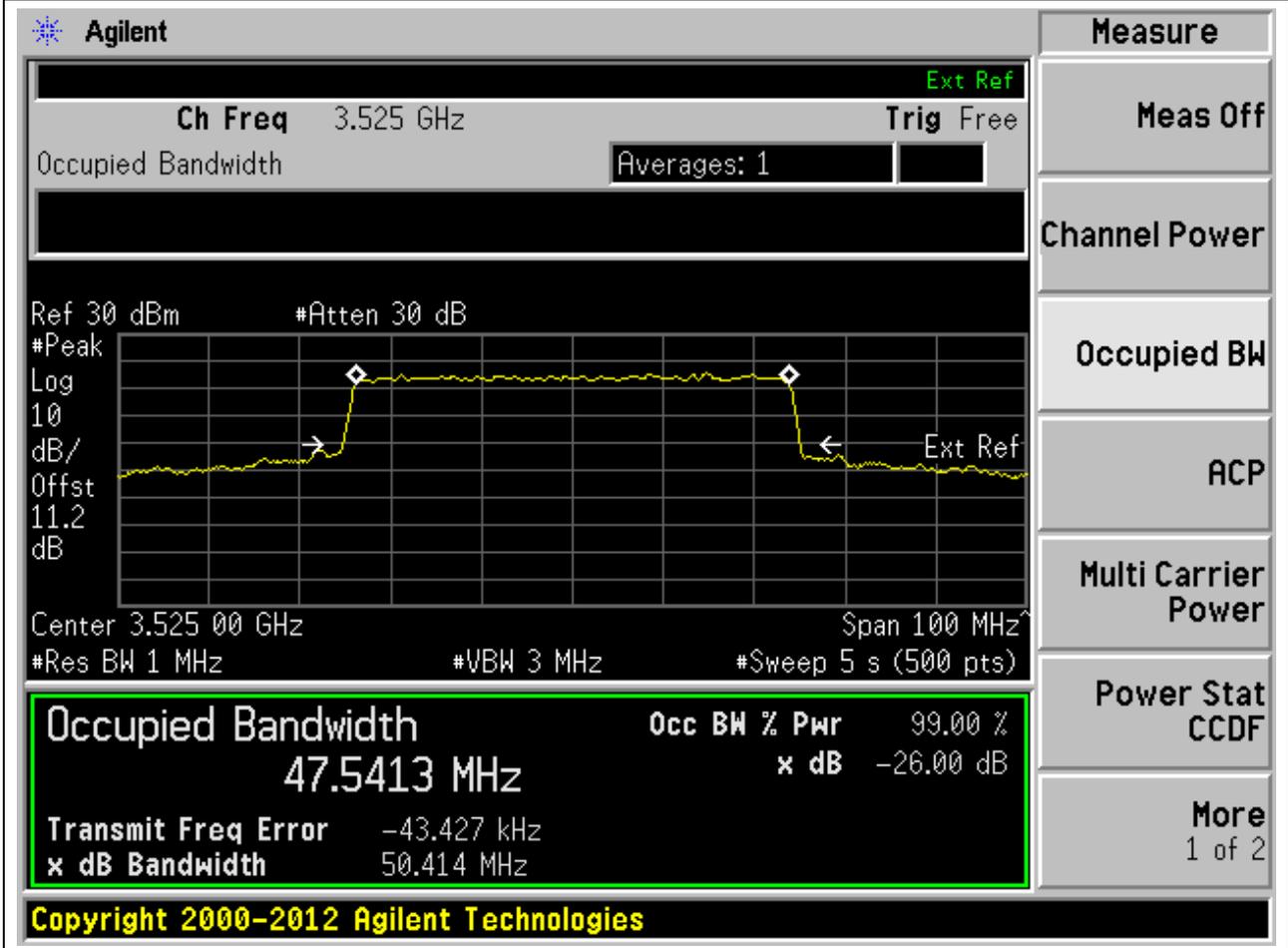
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.5483 MHz	x dB	-26.00 dB
Transmit Freq Error	-43.345 kHz	
x dB Bandwidth	50.412 MHz	

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1.42. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.54	50.41	50	Pass



1.43. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.7	53.55	50	Pass

Agilent

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

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.475 02 GHz Span 100 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.7016 MHz	x dB -26.00 dB
Transmit Freq Error	-53.782 kHz
x dB Bandwidth	53.546 MHz

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1.44. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.72	53.11	50	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.7188 MHz	x dB -26.00 dB
Transmit Freq Error -53.086 kHz	
x dB Bandwidth 53.106 MHz	

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1.45. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.67	50.6	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.525 GHz. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 11.2 dB'. The x-axis is labeled 'Center 3.525 00 GHz' and 'Span 100 MHz'. The plot shows a signal with a peak at approximately 3.525 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 47.6702 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -51.045 kHz and the 'x dB Bandwidth' is 50.601 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

1.46. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.63	50.35	50	Pass

Agilent

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

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.475 02 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.6342 MHz	x dB	-26.00 dB
Transmit Freq Error	22.906 kHz	
x dB Bandwidth	50.351 MHz	

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1.47. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.66	50.38	50	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 100 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.6643 MHz	x dB -26.00 dB
Transmit Freq Error 23.233 kHz	
x dB Bandwidth 50.380 MHz	

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1.48. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.67	50.3	50	Pass

Agilent

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

Ch Freq 3.525 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 3.525 00 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.6689 MHz	x dB	-26.00 dB
Transmit Freq Error	23.410 kHz	
x dB Bandwidth	50.298 MHz	

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1.49. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	57.87	60.9	60	Pass

Agilent

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

Ch Freq 3.48 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak

Center 3.480 00 GHz
Span 120 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8736 MHz	x dB -26.00 dB
Transmit Freq Error	-12.492 kHz
x dB Bandwidth	60.897 MHz

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1.50. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	57.93	61	60	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.9334 MHz	x dB -26.00 dB
Transmit Freq Error 2.607 kHz	
x dB Bandwidth 60.998 MHz	

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1.51. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	57.88	61.02	60	Pass

Agilent

Measure

Ch Freq 3.51999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.2
dB

Center 3.519 99 GHz
Span 120 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8801 MHz	x dB -26.00 dB
Transmit Freq Error	-5.528 kHz
x dB Bandwidth	61.016 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.52. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	58.02	60.69	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 3.48 GHz. The occupied bandwidth is 58.0155 MHz, and the power is 99.00%. The XdB down is -26.00 dB. The transmit frequency error is -40.770 kHz, and the X dB bandwidth is 60.689 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
58.0155 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -40.770 kHz
x dB Bandwidth: 60.689 MHz

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1.53. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	58.03	60.78	60	Pass

Agilent

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

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
58.0261 MHz	x dB -26.00 dB
Transmit Freq Error -29.926 kHz	
x dB Bandwidth 60.776 MHz	

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1.54. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	58.01	60.78	60	Pass

Agilent

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

Ch Freq 3.51999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 3.519 99 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
58.0104 MHz	x dB -26.00 dB
Transmit Freq Error -29.113 kHz	
x dB Bandwidth 60.777 MHz	

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1.55. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	57.84	63.92	60	Pass

Agilent

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

Ch Freq 3.48 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.480 00 GHz Span 120 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8434 MHz	x dB -26.00 dB
Transmit Freq Error	-11.762 kHz
x dB Bandwidth	63.919 MHz

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1.56. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	57.86	63.93	60	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.3 dB

Center 3.499 98 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

57.8558 MHz

Transmit Freq Error -1.469 kHz

x dB Bandwidth 63.932 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.57. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	57.85	63.82	60	Pass

Agilent

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

Ch Freq 3.51999 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 3.519 99 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8512 MHz	x dB -26.00 dB
Transmit Freq Error 6.652 kHz	
x dB Bandwidth 63.816 MHz	

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1.58. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	57.81	60.75	60	Pass

Agilent

Ch Freq 3.48 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.480 00 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
57.8094 MHz x dB -26.00 dB

Transmit Freq Error -12.811 kHz
 x dB Bandwidth 60.750 MHz

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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1.59. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	57.81	60.82	60	Pass

Agilent

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

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

57.8113 MHz x dB -26.00 dB

Transmit Freq Error -850.468 Hz

x dB Bandwidth 60.818 MHz

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1.60. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	57.79	60.77	60	Pass

Agilent
Measure

Ch Freq 3.51999 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.519 99 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.7912 MHz	x dB -26.00 dB
Transmit Freq Error 2.808 kHz	
x dB Bandwidth 60.769 MHz	

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1.61. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3485.01	99	26	1	Peak	67.69	70.59	70	Pass

Agilent

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

Ch Freq 3.48501 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.485 01 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.6930 MHz	x dB -26.00 dB
Transmit Freq Error 12.550 kHz	
x dB Bandwidth 70.595 MHz	

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1.62. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	67.68	70.54	70	Pass

Agilent

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

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.6848 MHz	x dB -26.00 dB
Transmit Freq Error 3.204 kHz	
x dB Bandwidth 70.540 MHz	

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1.63. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3514.98	99	26	1	Peak	67.71	70.56	70	Pass

Agilent

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

Ch Freq 3.51498 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.7127 MHz	x dB -26.00 dB
Transmit Freq Error 11.619 kHz	
x dB Bandwidth 70.559 MHz	

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1.64. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3485.01	99	26	1	Peak	67.54	70.49	70	Pass

Agilent

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

Ch Freq 3.48501 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.485 01 GHz Span 140 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.5378 MHz	x dB -26.00 dB
Transmit Freq Error -63.047 kHz	
x dB Bandwidth 70.495 MHz	

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1.65. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	67.57	70.51	70	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.5713 MHz	x dB -26.00 dB
Transmit Freq Error	-53.217 kHz
x dB Bandwidth	70.508 MHz

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1.66. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3514.98	99	26	1	Peak	67.57	70.52	70	Pass

Agilent

Measure

Ch Freq 3.51498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.2
dB

Center 3.514 98 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.5662 MHz	x dB -26.00 dB
Transmit Freq Error -50.180 kHz	
x dB Bandwidth 70.521 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.67. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3485.01	99	26	1	Peak	67.63	82.84	70	Pass

Agilent

Measure

Ch Freq 3.48501 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 3.485 01 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.6330 MHz	x dB -26.00 dB
Transmit Freq Error 26.065 kHz	
x dB Bandwidth 82.839 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.68. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	67.65	78.62	70	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.6549 MHz	x dB -26.00 dB
Transmit Freq Error 34.662 kHz	
x dB Bandwidth 78.617 MHz	

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1.69. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3514.98	99	26	1	Peak	67.63	77.48	70	Pass

Agilent

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

Ch Freq 3.51498 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.2
 dB

Center 3.514 98 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.6325 MHz	x dB -26.00 dB
Transmit Freq Error 26.276 kHz	
x dB Bandwidth 77.483 MHz	

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1.70. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3485.01	99	26	1	Peak	67.27	70.54	70	Pass

Agilent

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

Ch Freq 3.48501 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
→
←

10

dB/

Offst

11.3

dB

Center 3.485 01 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.2738 MHz	x dB -26.00 dB
Transmit Freq Error 14.711 kHz	
x dB Bandwidth 70.539 MHz	

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1.71. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	67.44	70.54	70	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.4450 MHz	x dB -26.00 dB
Transmit Freq Error 7.499 kHz	
x dB Bandwidth 70.543 MHz	

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1.72. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3514.98	99	26	1	Peak	67.45	70.55	70	Pass

Agilent

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

Ch Freq 3.51498 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.2
 dB

Center 3.514 98 GHz
Span 140 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.4495 MHz	x dB -26.00 dB
Transmit Freq Error	14.719 kHz
x dB Bandwidth	70.546 MHz

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1.73. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632668, 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
3490.02	99	26	1	Peak	77.46	80.52	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 center frequency is 3.49002 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4572 MHz, which is 99.00% of the 80 MHz channel bandwidth. The XdB down is -26.00 dB. The interface also shows various settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s). A summary box at the bottom highlights the key measurement results.

Measurement	Value
Occupied Bandwidth	77.4572 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	27.507 kHz
x dB Bandwidth	80.523 MHz

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1.74. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	77.5	80.62	80	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 160 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (800 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
77.5001 MHz	x dB -26.00 dB
Transmit Freq Error	-12.374 kHz
x dB Bandwidth	80.621 MHz

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1.75. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634000, 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
3510	99	26	1	Peak	77.49	80.51	80	Pass

Agilent

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

Ch Freq 3.51 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.510 00 GHz Span 160 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
77.4946 MHz	x dB -26.00 dB
Transmit Freq Error -8.089 kHz	
x dB Bandwidth 80.507 MHz	

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1.76. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632668, 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
3490.02	99	26	1	Peak	77.63	80.78	80	Pass

Agilent

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

Ch Freq 3.49002 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.490 02 GHz
Span 160 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (800 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
77.6313 MHz	x dB -26.00 dB
Transmit Freq Error	-49.369 kHz
x dB Bandwidth	80.783 MHz

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1.77. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	77.62	80.71	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 center frequency is 3.49998 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.6197 MHz, which is 99.00% of the 80 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -53.233 kHz. The XdB bandwidth is 80.710 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
77.6197 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -53.233 kHz
x dB Bandwidth: 80.710 MHz

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1.78. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634000, 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
3510	99	26	1	Peak	77.64	80.77	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	Unit
Occupied Bandwidth	77.6405	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	-54.019	kHz
x dB Bandwidth	80.767	MHz

Additional parameters shown in the interface include: Ch Freq 3.51 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.2 dB, Center 3.510 00 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

1.79. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632668, 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
3490.02	99	26	1	Peak	77.4	80.72	80	Pass

Agilent
Measure

Ch Freq 3.49002 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.490 02 GHz Span 160 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

77.4009 MHz x dB -26.00 dB

Transmit Freq Error 73.135 kHz

x dB Bandwidth 80.719 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.80. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	77.47	80.7	80	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.499 98 GHz Span 160 MHz

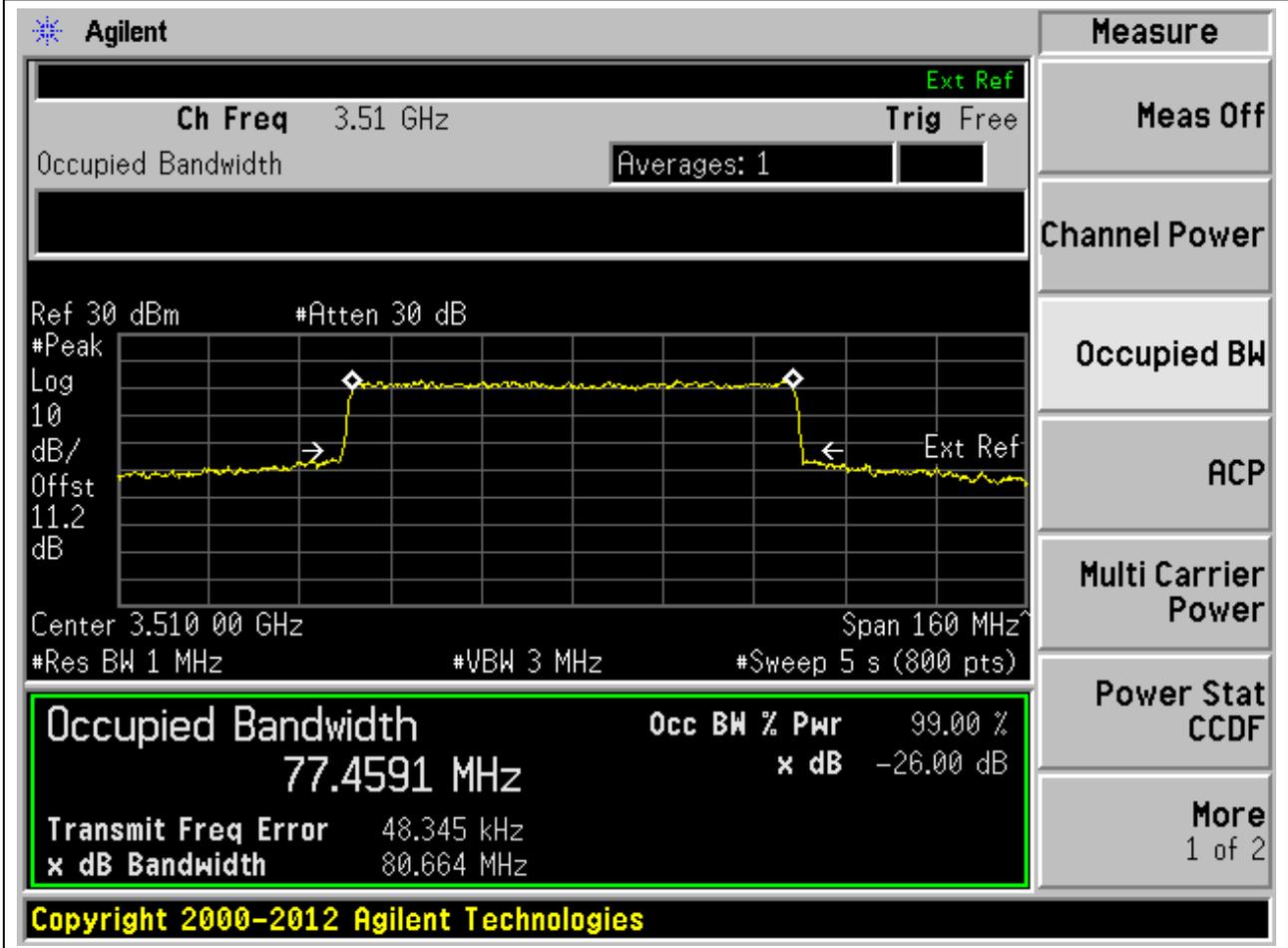
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
77.4656 MHz	x dB -26.00 dB
Transmit Freq Error 42.759 kHz	
x dB Bandwidth 80.696 MHz	

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1.81. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634000, 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
3510	99	26	1	Peak	77.46	80.66	80	Pass



1.82. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632668, 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
3490.02	99	26	1	Peak	77.33	80.63	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 3.49002 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.3322 MHz. The power is 99.00% and the XdB bandwidth is 80.631 MHz. The XdB down is -26.00 dB. The transmit frequency error is -72.718 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
77.3322 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -72.718 kHz
x dB Bandwidth: 80.631 MHz

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1.83. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	77.37	80.66	80	Pass

Agilent

Ext Ref

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Measure

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.499 98 GHz Span 160 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Occupied Bandwidth

77.3654 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -58.777 kHz

x dB Bandwidth 80.662 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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1.84. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634000, 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
3510	99	26	1	Peak	77.35	80.62	80	Pass

Agilent

Ch Freq 3.51 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 3.510 00 GHz Span 160 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
77.3507 MHz	x dB	-26.00 dB
Transmit Freq Error		-73.135 kHz
x dB Bandwidth		80.624 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.85. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633000, 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
3495	99	26	1	Peak	87.38	90.65	90	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 3.495 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.3832 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -59.369 kHz, and the XdB bandwidth is 90.653 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
87.3832 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -59.369 kHz
 x dB Bandwidth: 90.653 MHz

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1.86. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	87.38	90.97	90	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 11.3 dB

Center 3.499 98 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

87.3770 MHz

Transmit Freq Error -77.976 kHz

x dB Bandwidth 90.974 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.87. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633666, 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
3504.99	99	26	1	Peak	87.4	90.66	90	Pass

Agilent
Measure

Ch Freq 3.50499 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.504 99 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

87.3966 MHz

Transmit Freq Error -73.793 kHz

x dB Bandwidth 90.663 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.88. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633000, 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
3495	99	26	1	Peak	87.32	90.75	90	Pass

Agilent

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

Ch Freq 3.495 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.495 00 GHz Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.3170 MHz	x dB -26.00 dB
Transmit Freq Error	-80.546 kHz
x dB Bandwidth	90.749 MHz

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1.89. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	87.31	90.67	90	Pass

Agilent

Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
→
←

10

dB/

Offst

11.3

dB

Center 3.499 98 GHz
Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.3078 MHz	x dB -26.00 dB
Transmit Freq Error	-86.247 kHz
x dB Bandwidth	90.672 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.99. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633666, 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
3504.99	99	26	1	Peak	87.26	90.77	90	Pass

Agilent

Measure

Ch Freq 3.50499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log

10

dB/

Offst

11.3

dB

Center 3.504 99 GHz
Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.2644 MHz	x dB -26.00 dB
Transmit Freq Error	-59.490 kHz
x dB Bandwidth	90.768 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.100. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633000, 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
3495	99	26	1	Peak	87.43	90.79	90	Pass

Agilent

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

Ch Freq 3.495 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.495 00 GHz
Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.4264 MHz	x dB -26.00 dB
Transmit Freq Error	-20.591 kHz
x dB Bandwidth	90.794 MHz

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1.90. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	87.47	90.91	90	Pass

Agilent

Ext Ref

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Measure

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.499 98 GHz Span 180 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

87.4717 MHz x dB -26.00 dB

Transmit Freq Error -38.684 kHz

x dB Bandwidth 90.908 MHz

Meas Off

Channel Power

Occupied BW

ACP

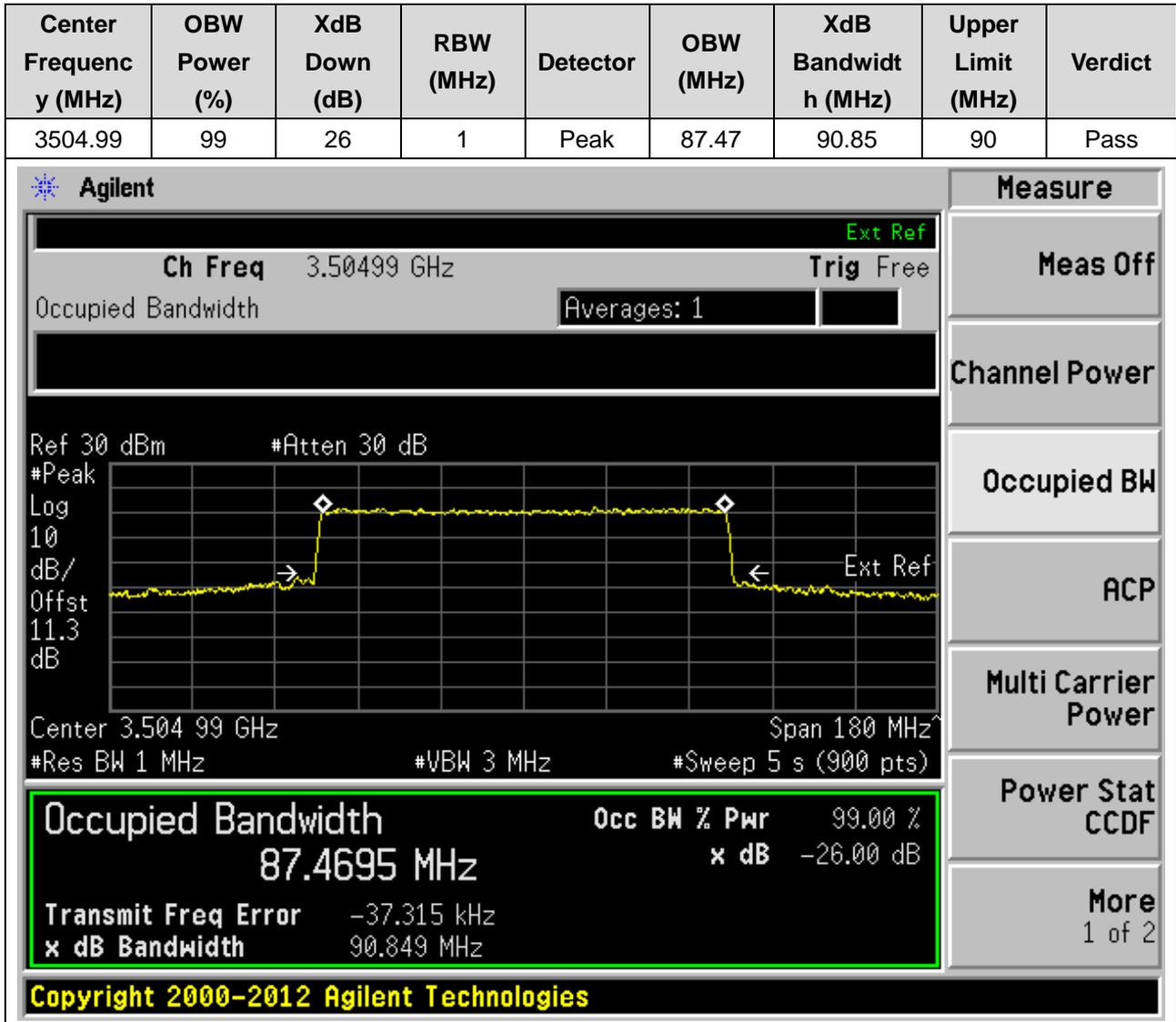
Multi Carrier Power

Power Stat CCDF

More 1 of 2

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1.91. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633666, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:245, RB Position:0)



1.92. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633000, 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
3495	99	26	1	Peak	87.54	90.66	90	Pass

Agilent

Measure

Ch Freq 3.495 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.3
dB

Center 3.495 00 GHz
Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.5380 MHz	x dB -26.00 dB
Transmit Freq Error -71.089 kHz	
x dB Bandwidth 90.661 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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1.93. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	87.55	90.82	90	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.499 98 GHz Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.5521 MHz	x dB -26.00 dB
Transmit Freq Error	-84.986 kHz
x dB Bandwidth	90.822 MHz

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1.94. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633666, 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
3504.99	99	26	1	Peak	87.55	90.8	90	Pass

Agilent

Measure

Ch Freq 3.50499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log

10

dB/

Offst

11.3

dB

Center 3.504 99 GHz
Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.5539 MHz	x dB -26.00 dB
Transmit Freq Error -76.219 kHz	
x dB Bandwidth 90.804 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.95. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	97.32	100.87	100	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 200 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (1000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
97.3191 MHz	x dB -26.00 dB
Transmit Freq Error -1.697 kHz	
x dB Bandwidth 100.867 MHz	

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1.96. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	97.48	100.8	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.49998 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 in a green box, showing a value of 97.4776 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 10.275 kHz and the XdB bandwidth is 100.801 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
97.4776 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 10.275 kHz
 x dB Bandwidth: 100.801 MHz

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1.97. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	97.32	100.93	100	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
→
←

10

dB/

Offst

11.3

dB

Center 3.499 98 GHz
Span 200 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
97.3198 MHz	x dB -26.00 dB
Transmit Freq Error 3.623 kHz	
x dB Bandwidth 100.928 MHz	

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1.98. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	97.46	100.68	100	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

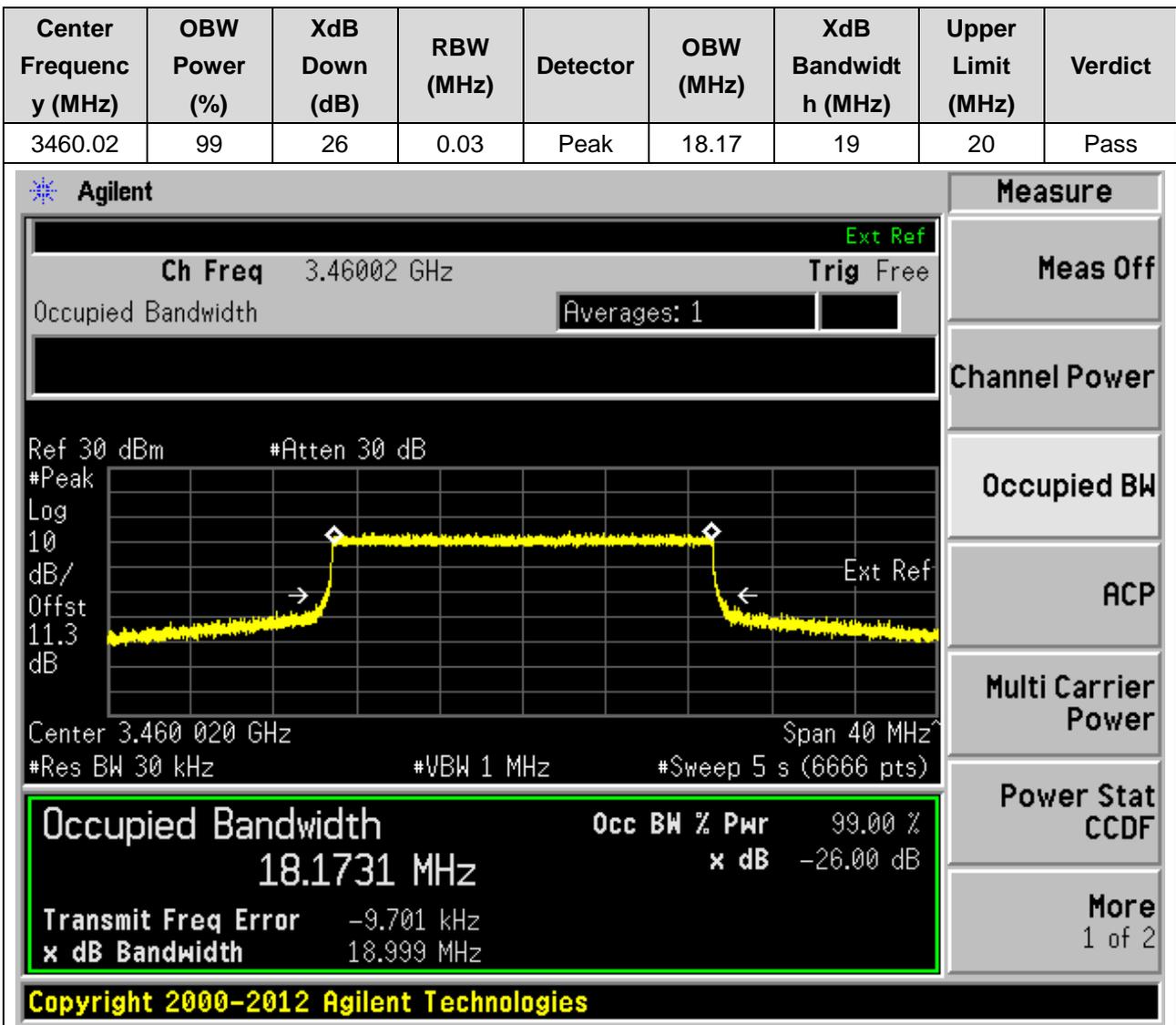
Center 3.499 98 GHz Span 200 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (1000 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
97.4622 MHz	x dB -26.00 dB
Transmit Freq Error 23.844 kHz	
x dB Bandwidth 100.681 MHz	

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2. n78(3450-3550)

2.95. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)



2.1. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.19	19.11	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 3.49998 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1907 MHz. The power is 99.00% and the XdB down is -26.00 dB. The RBW is 1 MHz and the SCS is 30 kHz. The detector is set to Peak. The upper limit is 20 MHz. The verdict is Pass.

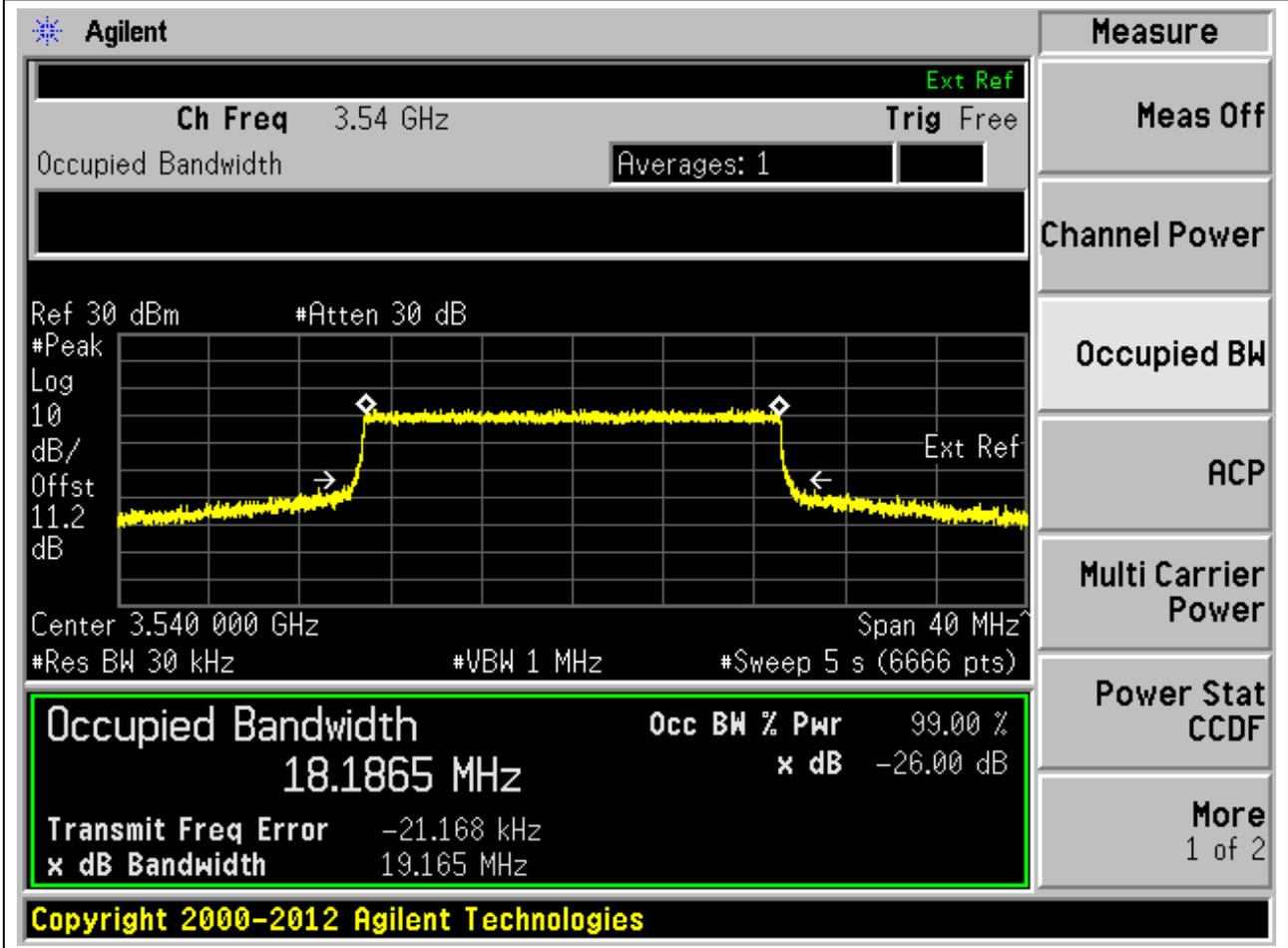
Occupied Bandwidth	Occ BW % Pwr	x dB
18.1907 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -22.666 kHz
x dB Bandwidth: 19.108 MHz

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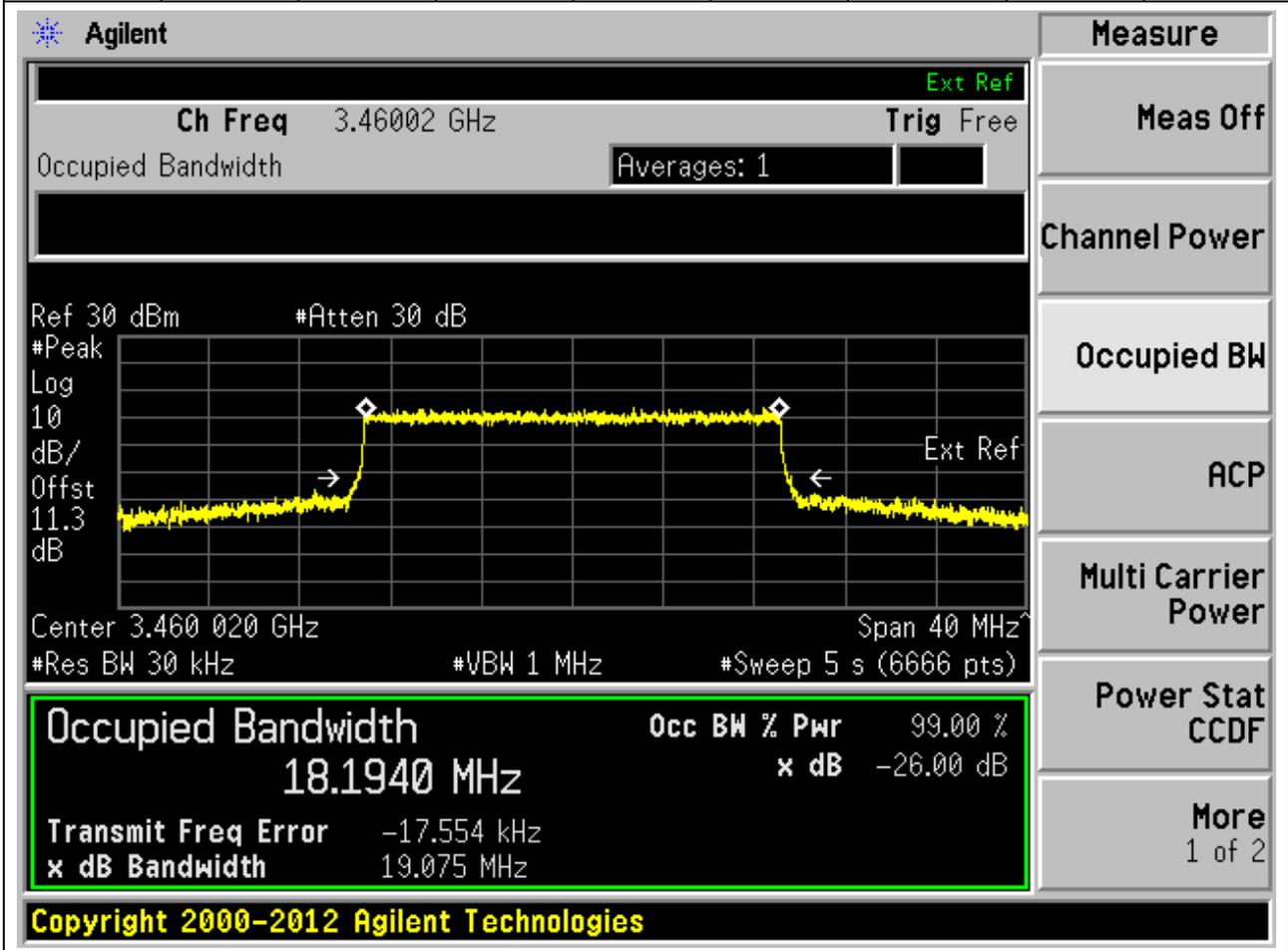
2.2. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.19	19.17	20	Pass



2.3. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.19	19.08	20	Pass



2.4. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.19	18.96	20	Pass

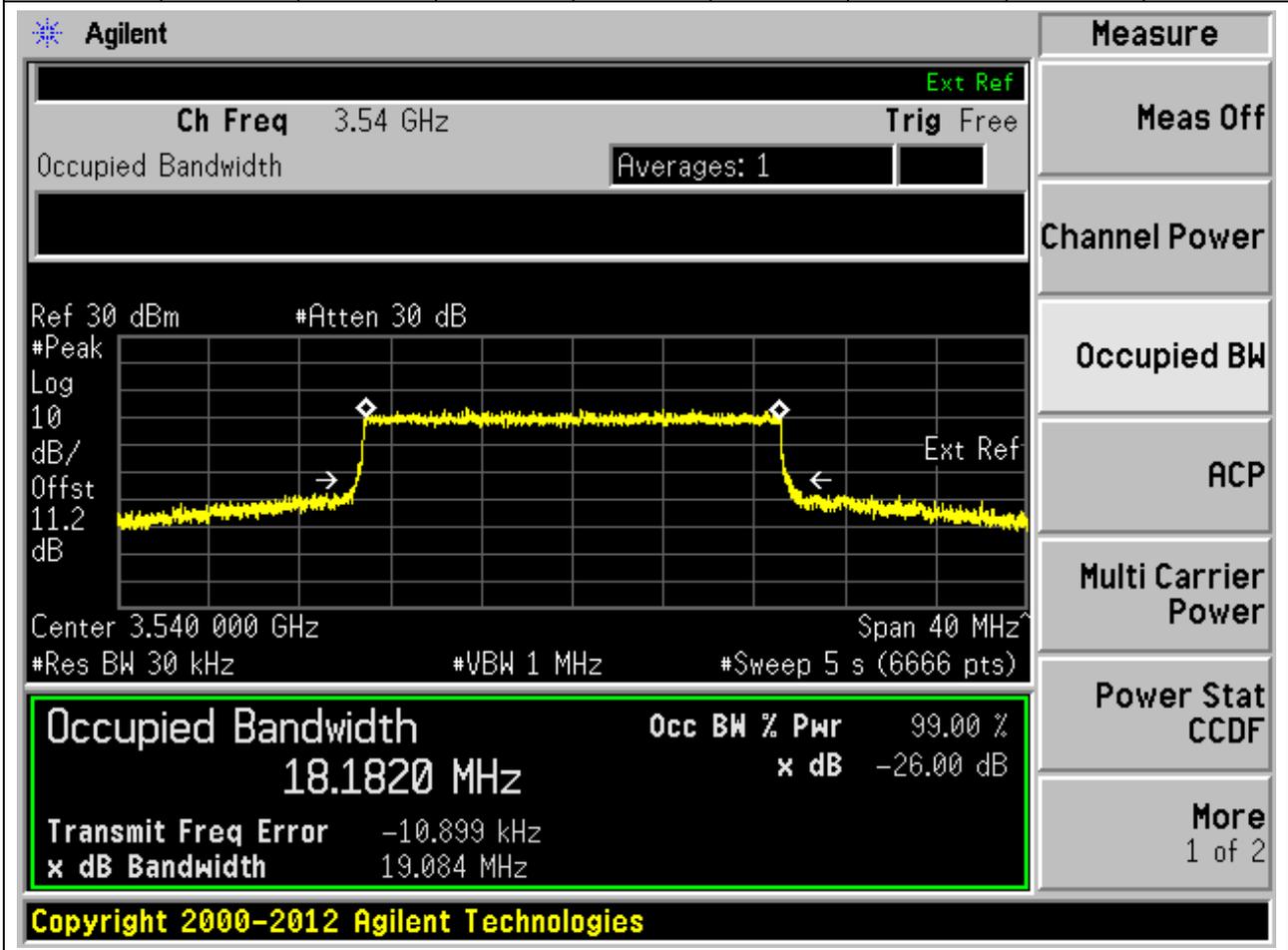
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 3.49998 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1900 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	18.1900 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.870 kHz
x dB Bandwidth	18.955 MHz

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2.5. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.18	19.08	20	Pass



2.6. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.19	18.93	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 3.460020 GHz and the span is 40 MHz. The resolution bandwidth (RBW) is 30 kHz and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds. The occupied bandwidth is measured as 18.1879 MHz, which is 99.00% of the 20 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -15.283 kHz. The XdB bandwidth is 18.933 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'.

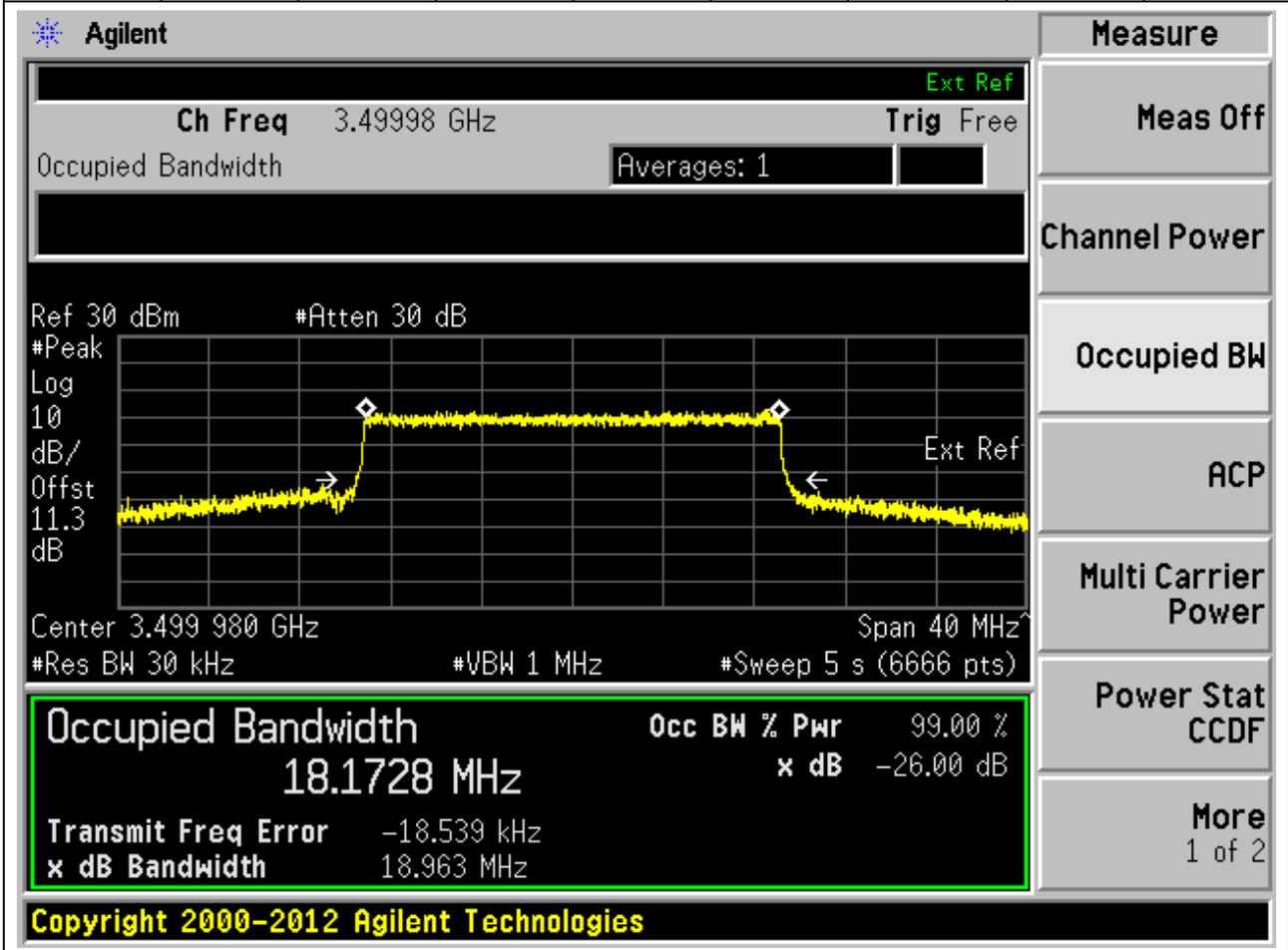
Occupied Bandwidth	Occ BW % Pwr	x dB
18.1879 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -15.283 kHz
 x dB Bandwidth: 18.933 MHz

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2.7. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.17	18.96	20	Pass



2.8. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.16	18.96	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 3.54 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1623 MHz. The power is 99.00% and the XdB down is -26.00 dB. The detector is set to Peak. The RBW is 30 kHz and the VBW is 1 MHz. The sweep time is 5 s (6666 pts). 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.

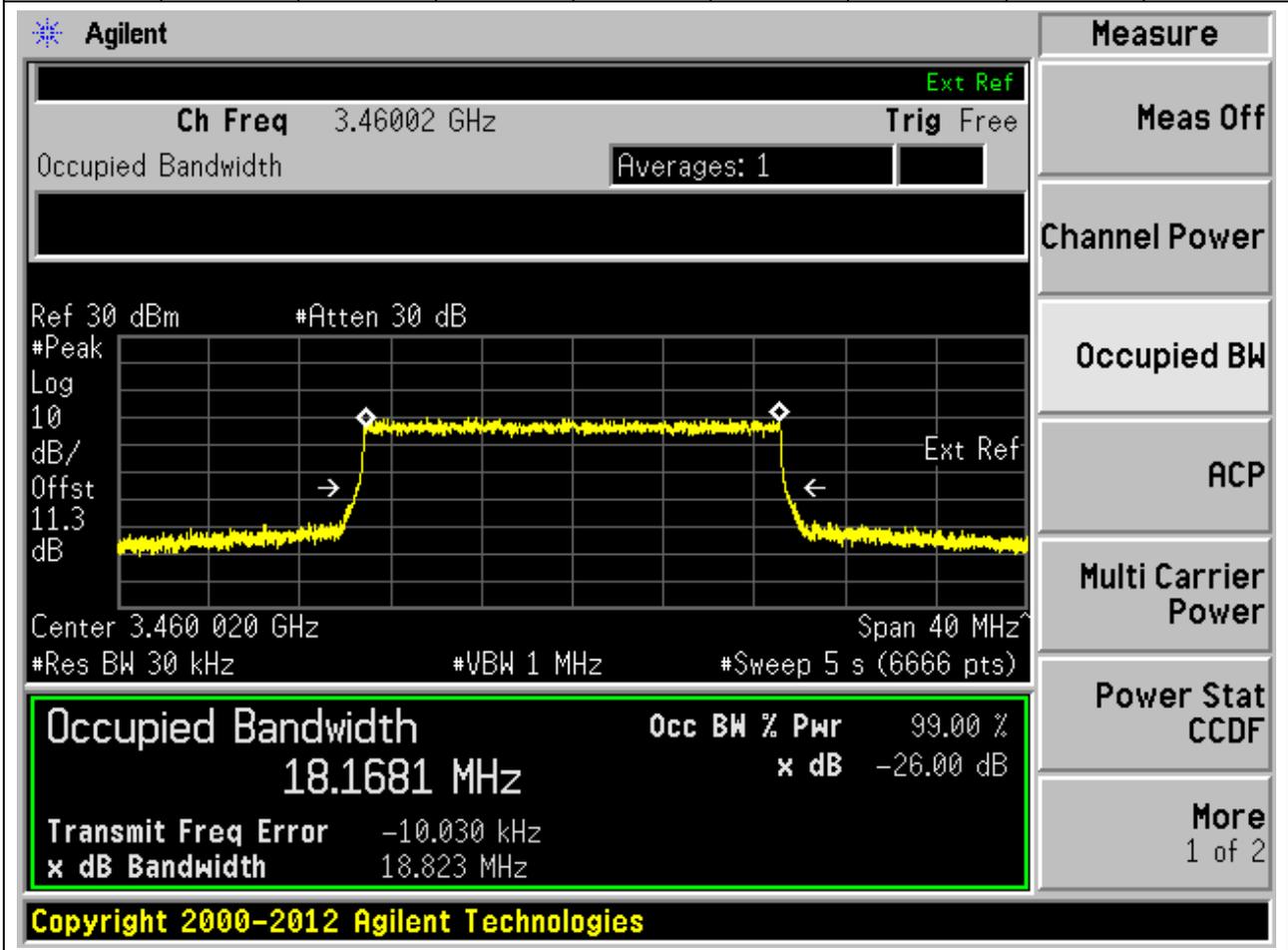
Occupied Bandwidth	Occ BW % Pwr	x dB
18.1623 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -12.213 kHz
 x dB Bandwidth: 18.955 MHz

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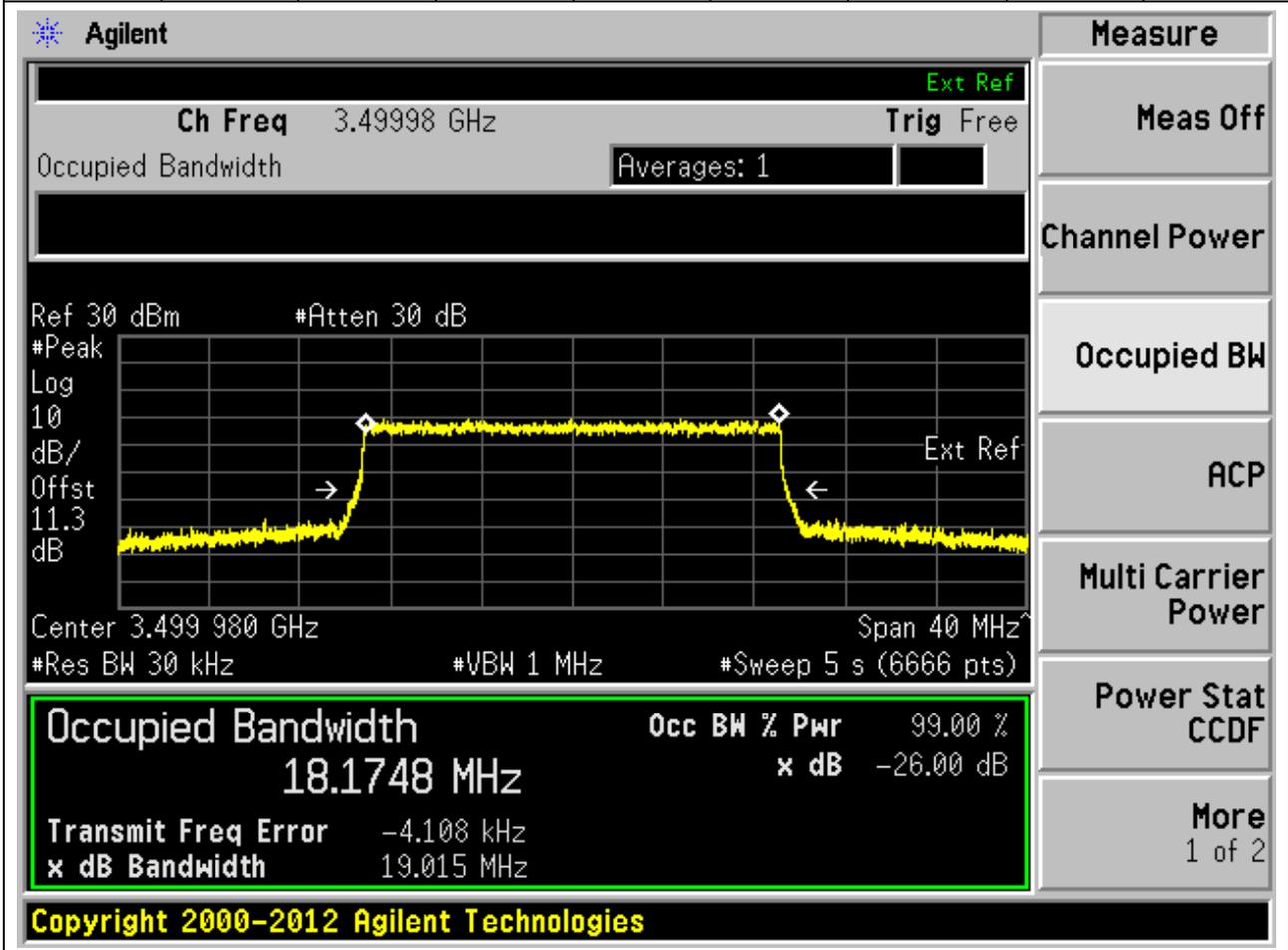
2.9. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.17	18.82	20	Pass



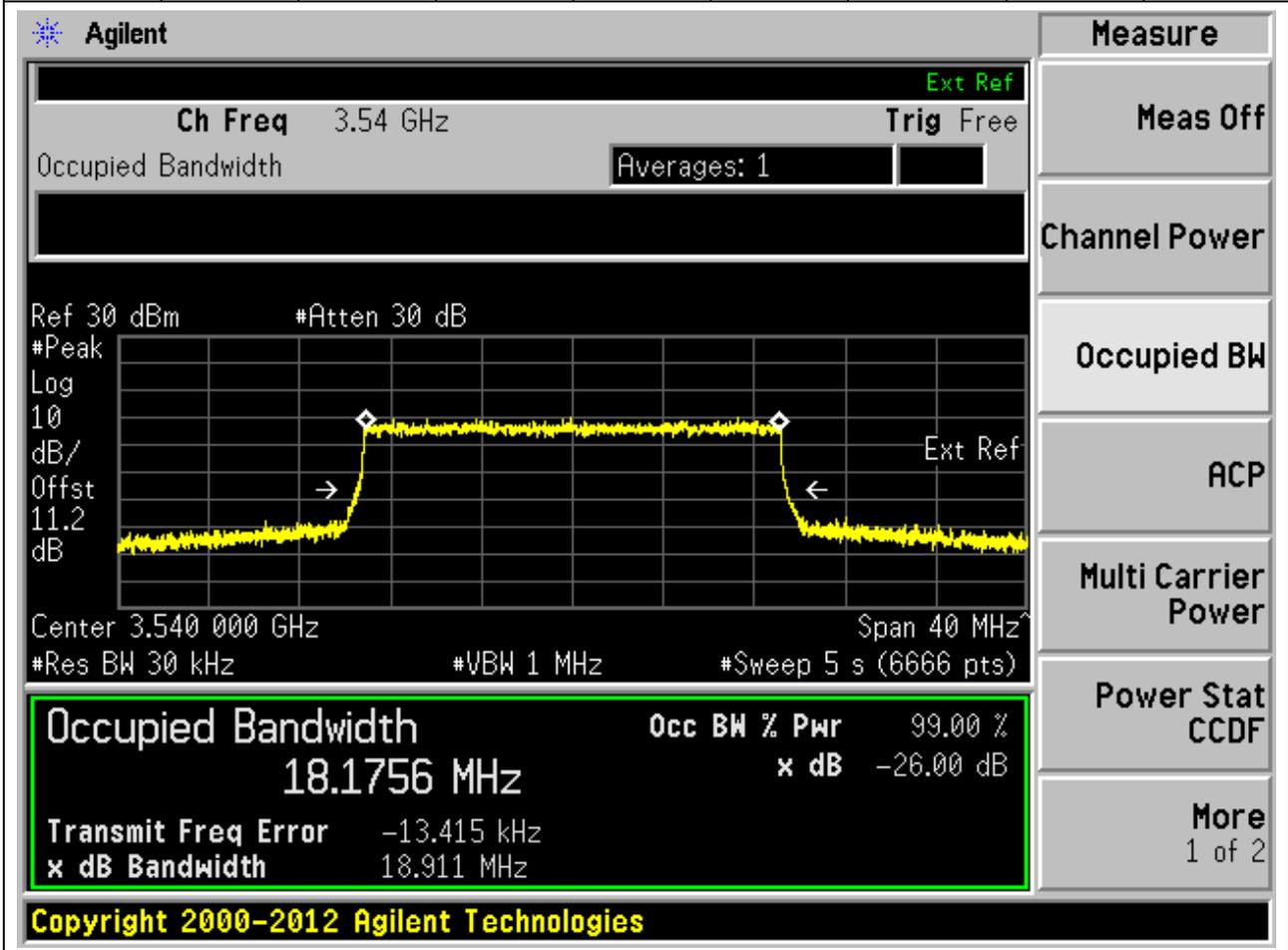
2.10. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	0.03	Peak	18.17	19.01	20	Pass



2.11. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3540	99	26	0.03	Peak	18.18	18.91	20	Pass



2.12. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.24	30.67	30	Pass

Agilent
Measure

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.3
dB

Center 3.465 00 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2416 MHz	x dB -26.00 dB
Transmit Freq Error 47.564 kHz	
x dB Bandwidth 30.666 MHz	

Power Stat CCDF
More 1 of 2

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2.13. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.25	30.66	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 3.49998 GHz, and the span is 60 MHz. The occupied bandwidth is measured as 28.2486 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
28.2486 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 44.950 kHz
x dB Bandwidth: 30.663 MHz

2.14. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.27	30.65	30	Pass

Agilent

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

Ch Freq 3.53499 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.534 99 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2664 MHz	x dB -26.00 dB
Transmit Freq Error 40.521 kHz	
x dB Bandwidth 30.646 MHz	

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2.15. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.21	30.53	30	Pass

Agilent

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

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.465 00 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2071 MHz	x dB -26.00 dB
Transmit Freq Error	-21.884 kHz
x dB Bandwidth	30.531 MHz

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2.16. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.21	30.52	30	Pass

Agilent

Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 11.3 dB
 Center 3.499 98 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.2089 MHz	x dB	-26.00 dB
Transmit Freq Error	-28.308 kHz	
x dB Bandwidth	30.523 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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2.17. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.2	30.49	30	Pass

Agilent

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

Ch Freq 3.53499 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.534 99 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.2040 MHz	x dB -26.00 dB
Transmit Freq Error	-20.891 kHz
x dB Bandwidth	30.488 MHz

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2.18. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.32	32.77	30	Pass

Agilent

Measure

Ch Freq 3.465 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.465 00 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

28.3171 MHz

Transmit Freq Error -18.588 kHz

x dB Bandwidth 32.772 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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2.19. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.34	33.1	30	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.3399 MHz	x dB -26.00 dB
Transmit Freq Error	-32.062 kHz
x dB Bandwidth	33.101 MHz

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2.20. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.31	31.52	30	Pass

Agilent
Measure

Ch Freq 3.53499 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 3.534 99 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

28.3063 MHz

Transmit Freq Error -23.510 kHz

x dB Bandwidth 31.517 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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2.21. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.19	30.58	30	Pass

Agilent

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

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.465 00 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1924 MHz	x dB -26.00 dB
Transmit Freq Error 4.165 kHz	
x dB Bandwidth 30.579 MHz	

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2.22. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.2	30.57	30	Pass

Agilent

Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.3
dB

Center 3.499 98 GHz
Span 60 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1978 MHz	x dB -26.00 dB
Transmit Freq Error -2.095 kHz	
x dB Bandwidth 30.568 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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2.23. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.18	30.62	30	Pass

Agilent

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

Ch Freq 3.53499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.534 99 GHz Span 60 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1832 MHz	x dB -26.00 dB
Transmit Freq Error -3.504 kHz	
x dB Bandwidth 30.620 MHz	

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2.24. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.09	40.59	40	Pass

Agilent

Measure

Ch Freq 3.47001 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 3.470 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0919 MHz	x dB -26.00 dB
Transmit Freq Error	-28.287 kHz
x dB Bandwidth	40.593 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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2.25. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.14	40.77	40	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.500 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1350 MHz	x dB -26.00 dB
Transmit Freq Error -27.675 kHz	
x dB Bandwidth 40.769 MHz	

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2.26. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	38.12	40.76	40	Pass

Agilent

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

Ch Freq 3.52998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.2
 dB

Center 3.530 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1242 MHz	x dB -26.00 dB
Transmit Freq Error	-16.237 kHz
x dB Bandwidth	40.756 MHz

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2.27. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.07	40.89	40	Pass

Agilent

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

Ch Freq 3.47001 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.470 0 GHz Span 80 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0743 MHz	x dB -26.00 dB
Transmit Freq Error	-12.887 kHz
x dB Bandwidth	40.886 MHz

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2.28. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.13	40.86	40	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.500 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1344 MHz	x dB -26.00 dB
Transmit Freq Error	-40.690 kHz
x dB Bandwidth	40.864 MHz

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2.29. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	38.08	40.68	40	Pass

Agilent

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

Ch Freq 3.52998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.2
 dB

Center 3.530 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0806 MHz	x dB -26.00 dB
Transmit Freq Error	-31.376 kHz
x dB Bandwidth	40.680 MHz

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2.30. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.15	41.82	40	Pass

Agilent
Measure

Ch Freq 3.47001 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.470 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

38.1493 MHz

Transmit Freq Error -52.990 kHz

x dB Bandwidth 41.819 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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2.31. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.17	41.65	40	Pass

Agilent

Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 3.500 0 GHz
Span 80 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.1737 MHz	x dB -26.00 dB
Transmit Freq Error	-65.477 kHz
x dB Bandwidth	41.645 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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2.32. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	38.14	40.91	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.52998 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a 30 dB attenuator, a resolution bandwidth of 1 MHz, and a video bandwidth of 3 MHz. The span is 80 MHz. The measurement results are highlighted in a green box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.1402 MHz	x dB	-26.00 dB
Transmit Freq Error		-50.784 kHz
x dB Bandwidth		40.914 MHz

On the right side of the interface, there is a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW (selected), 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.

2.33. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631334, Bandwidth:40, SCS:30, 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
3470.01	99	26	1	Peak	38.04	40.8	40	Pass

Agilent

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

Ch Freq 3.47001 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.470 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0409 MHz	x dB -26.00 dB
Transmit Freq Error 32.024 kHz	
x dB Bandwidth 40.800 MHz	

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2.34. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:40, SCS:30, 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
3499.98	99	26	1	Peak	38.05	40.69	40	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 3.500 0 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

38.0507 MHz

Transmit Freq Error 10.539 kHz

x dB Bandwidth 40.695 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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2.35. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635332, Bandwidth:40, SCS:30, 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
3529.98	99	26	1	Peak	38.05	40.81	40	Pass

Agilent
Measure

Ch Freq 3.52998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.5300 GHz Span 80 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.0485 MHz	x dB -26.00 dB
Transmit Freq Error 21.754 kHz	
x dB Bandwidth 40.808 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.36. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.6	50.51	50	Pass

Agilent

Measure

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 3.475 02 GHz
Span 100 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.6007 MHz	x dB	-26.00 dB
Transmit Freq Error	39.308 kHz	
x dB Bandwidth	50.515 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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2.37. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.72	50.58	50	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.499 98 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

47.7214 MHz

Transmit Freq Error -1.392 kHz

x dB Bandwidth 50.576 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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2.38. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.62	50.39	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.525 GHz. The main display shows a spectrum plot with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 47.6200 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters include Transmit Freq Error of 38.182 kHz and x dB Bandwidth of 50.390 MHz. The interface also shows various settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
47.6200 MHz	99.00 %	-26.00 dB

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2.39. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.54	50.47	50	Pass

Agilent

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

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.475 02 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.5378 MHz	x dB -26.00 dB
Transmit Freq Error	-48.057 kHz
x dB Bandwidth	50.469 MHz

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2.40. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.56	50.4	50	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 100 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.5577 MHz	x dB -26.00 dB
Transmit Freq Error -42.815 kHz	
x dB Bandwidth 50.400 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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2.41. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.54	50.43	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.525 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a 30 dB attenuator, a resolution bandwidth of 1 MHz, and a video bandwidth of 3 MHz. The span is 100 MHz. The occupied bandwidth is measured as 47.5363 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -40.317 kHz. The XdB bandwidth is 50.427 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'. A copyright notice for Agilent Technologies from 2000-2012 is visible at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.5363 MHz	99.00 %	-26.00 dB

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2.42. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.68	53.5	50	Pass

Agilent

Measure

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 11.3 dB
 Center 3.475 02 GHz Span 100 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.6776 MHz	x dB	-26.00 dB
Transmit Freq Error	-52.215 kHz	
x dB Bandwidth	53.496 MHz	

Power Stat CCDF
 More 1 of 2

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2.43. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.72	53.31	50	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 100 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.7168 MHz	x dB -26.00 dB
Transmit Freq Error	-52.129 kHz
x dB Bandwidth	53.312 MHz

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2.44. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.7	53.42	50	Pass

Agilent

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

Ch Freq 3.525 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.2
 dB

Center 3.525 00 GHz
Span 100 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.7040 MHz	x dB -26.00 dB
Transmit Freq Error	-53.871 kHz
x dB Bandwidth	53.421 MHz

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2.45. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:631668, 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
3475.02	99	26	1	Peak	47.66	50.35	50	Pass

Agilent

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

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.6582 MHz	x dB -26.00 dB
Transmit Freq Error 15.041 kHz	
x dB Bandwidth 50.345 MHz	

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2.46. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	47.68	50.35	50	Pass

Agilent

Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.3
dB

Center 3.499 98 GHz
Span 100 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.6849 MHz	x dB -26.00 dB
Transmit Freq Error	17.554 kHz
x dB Bandwidth	50.353 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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2.47. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:635000, 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
3525	99	26	1	Peak	47.65	50.32	50	Pass

Agilent

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

Ch Freq 3.525 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.525 00 GHz Span 100 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
47.6482 MHz	x dB	-26.00 dB
Transmit Freq Error	22.934 kHz	
x dB Bandwidth	50.325 MHz	

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2.48. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	57.86	60.86	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 results are as follows:

Measurement	Value
Occupied Bandwidth	57.8642 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.845 kHz
x dB Bandwidth	60.864 MHz

Additional parameters shown in the interface include: Ch Freq 3.48 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.3 dB, Center 3.480 00 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

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2.49. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	57.94	60.98	60	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

57.9392 MHz x dB -26.00 dB

Transmit Freq Error 10.905 kHz

x dB Bandwidth 60.982 MHz

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2.50. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	57.9	60.99	60	Pass

Agilent

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

Ch Freq 3.51999 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.519 99 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

57.8963 MHz x dB -26.00 dB

Transmit Freq Error 5.765 kHz

x dB Bandwidth 60.988 MHz

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2.51. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	58.01	60.7	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	58.0137 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-39.714 kHz
x dB Bandwidth	60.703 MHz

Additional parameters shown in the interface include: Ch Freq 3.48 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 11.3 dB, Center 3.480 00 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).

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2.52. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	58.02	60.8	60	Pass

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
58.0250 MHz	x dB -26.00 dB
Transmit Freq Error -28.719 kHz	
x dB Bandwidth 60.797 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.53. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	58.02	60.79	60	Pass

Agilent
Measure

Ch Freq 3.51999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.519 99 GHz Span 120 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
58.0187 MHz	x dB -26.00 dB
Transmit Freq Error -28.642 kHz	
x dB Bandwidth 60.788 MHz	

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

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2.54. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	57.84	63.7	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.48 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 1'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log 10 dB/Offst 11.3 dB' and includes a reference line labeled 'Ext Ref'. Below the plot, the following parameters are visible: Center 3.480 00 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, and #Sweep 5 s (600 pts). A summary box at the bottom left highlights the following results:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
57.8356 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.123 kHz
x dB Bandwidth		63.703 MHz

On the right side of the interface, a 'Measure' menu is open, listing various measurement options: Meas Off, Channel Power, Occupied BW (which is selected), ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

2.55. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	57.87	63.81	60	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 120 MHz

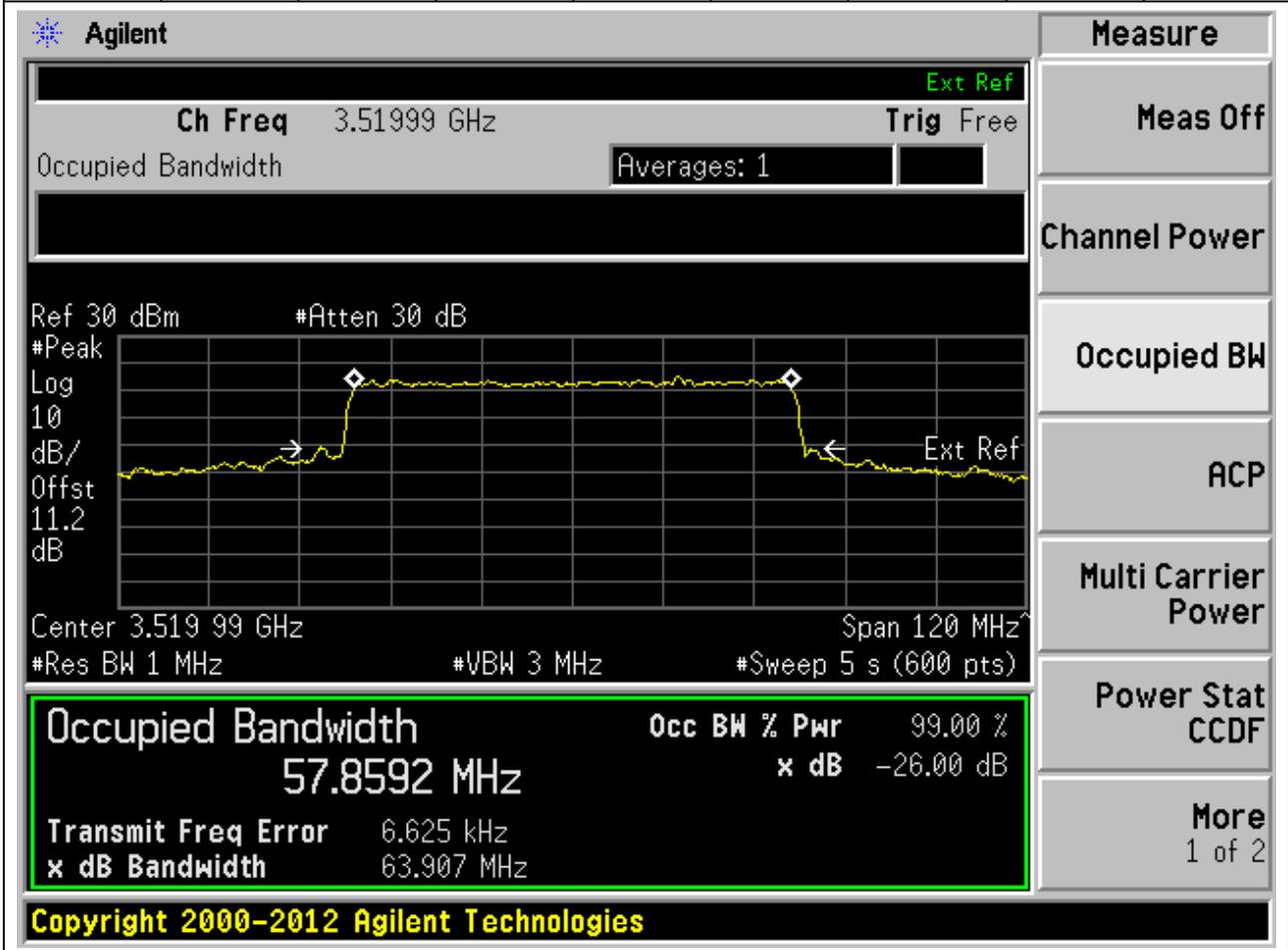
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8659 MHz	x dB -26.00 dB
Transmit Freq Error 7.870 kHz	
x dB Bandwidth 63.811 MHz	

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2.56. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	57.86	63.91	60	Pass



2.57. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632000, 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
3480	99	26	1	Peak	57.81	60.76	60	Pass

Agilent

Ext Ref

Ch Freq 3.48 GHz Trig Free

Occupied Bandwidth Averages: 1

Measure

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.3

dB

Center 3.480 00 GHz Span 120 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat
CCDF

More
1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8053 MHz	x dB -26.00 dB
Transmit Freq Error -16.668 kHz	
x dB Bandwidth 60.761 MHz	

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2.58. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, 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
3499.98	99	26	1	Peak	57.81	60.79	60	Pass

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.3
 dB

Center 3.499 98 GHz
Span 120 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8147 MHz	x dB -26.00 dB
Transmit Freq Error	5.525 kHz
x dB Bandwidth	60.789 MHz

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2.59. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:634666, 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
3519.99	99	26	1	Peak	57.8	60.77	60	Pass

Agilent

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

Ch Freq 3.51999 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 11.2 dB

Center 3.519 99 GHz
Span 120 MHz

#Res BW 1 MHz
#VBW 3 MHz
#Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.7982 MHz	x dB -26.00 dB
Transmit Freq Error 1.985 kHz	
x dB Bandwidth 60.767 MHz	

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2.60. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3485.01	99	26	1	Peak	67.7	73.65	70	Pass

Agilent

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

Ch Freq 3.48501 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.485 01 GHz Span 140 MHz

#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.6978 MHz	x dB -26.00 dB
Transmit Freq Error -1.986 kHz	
x dB Bandwidth 73.651 MHz	

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2.61. Occupied Bandwidth for SA_Part22-24-27(NTNV)(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	67.75	70.6	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.49998 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.7490 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
67.7490 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 13.681 kHz
 x dB Bandwidth: 70.601 MHz