

27.4. Occupied Bandwidth for SA(NTNV)(Channel:630500, 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
3457.5	99	26	0.03	Peak	14.09	14.57	15	Pass

Agilent

Ch Freq 3.4575 GHz Ext Ref
 Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 12.6
 dB

Center 3.457 500 GHz Span 30 MHz
 #Res BW 30 kHz #VBW 1 MHz #Sweep 1 s (5000 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
14.0864 MHz x dB -26.00 dB

Transmit Freq Error -10.084 kHz
 x dB Bandwidth 14.573 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.5. Occupied Bandwidth for SA(NTNV)(Channel:633332, 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
3499.98	99	26	0.03	Peak	14.09	14.49	15	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

12.7

dB

Center 3.499 980 GHz
Span 30 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 1 s (5000 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

14.0861 MHz
x dB -26.00 dB

Transmit Freq Error -6.950 kHz

x dB Bandwidth 14.492 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.6. Occupied Bandwidth for SA(NTNV)(Channel:636166, 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
3542.49	99	26	0.03	Peak	14.08	14.46	15	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 3.54249 GHz with a span of 30 MHz. The vertical axis is labeled 'dB/Offst' with a value of 12.7 dB. The horizontal axis is labeled 'Center' with a value of 3.542490 GHz. The plot shows a signal with a bandwidth of approximately 14 MHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 14.0780 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -12.213 kHz and the 'x dB Bandwidth' is 14.464 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0780 MHz	99.00 %	-26.00 dB

27.7. Occupied Bandwidth for SA(NTNV)(Channel:630668, 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
3460.02	99	26	0.03	Peak	18.89	19.49	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 3.46002 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in green, showing a value of 18.8925 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 3.961 kHz, and the XdB bandwidth is 19.488 MHz. 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	99.00 %
18.8925 MHz	x dB	-26.00 dB
Transmit Freq Error	3.961 kHz	
x dB Bandwidth	19.488 MHz	

27.8. Occupied Bandwidth for SA(NTNV)(Channel:633332, 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
3499.98	99	26	0.03	Peak	18.87	19.45	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 highlighted as 18.8742 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8742 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -6.490 kHz
 x dB Bandwidth: 19.448 MHz

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27.9. Occupied Bandwidth for SA(NTNV)(Channel:636000, 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
3540	99	26	0.03	Peak	18.89	19.48	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 3.54 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in green at the bottom of the screen.

Measurement	Value
Occupied Bandwidth	18.8896 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	466.986 Hz
x dB Bandwidth	19.478 MHz

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27.10. Occupied Bandwidth for SA(NTNV)(Channel:631334, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3470.01	99	26	1	Peak	38.7	41.15	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 3.47001 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing 38.6966 MHz. The power is 99.00% and the XdB bandwidth is 41.153 MHz. The XdB down is -26.00 dB. The transmit frequency error is 39.410 kHz. The interface also shows various measurement settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (1 s).

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.6966 MHz	x dB	-26.00 dB
Transmit Freq Error	39.410 kHz	
x dB Bandwidth	41.153 MHz	

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27.11. Occupied Bandwidth for SA(NTNV)(Channel:633332, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	38.66	41.15	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

12.7

dB

Center 3.500 0 GHz
Span 80 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.6622 MHz	x dB -26.00 dB
Transmit Freq Error 25.445 kHz	
x dB Bandwidth 41.155 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

27.12. Occupied Bandwidth for SA(NTNV)(Channel:635332, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3529.98	99	26	1	Peak	38.65	41.14	40	Pass

Agilent
Measure

Ch Freq 3.52998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

12.6
dB

Center 3.530 0 GHz
Span 80 MHz

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

Occupied Bandwidth

38.6542 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -2.436 kHz

x dB Bandwidth 41.140 MHz

Power Stat
More

CCDF
1 of 2

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27.13. Occupied Bandwidth for SA(NTNV)(Channel:631668, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.26	50.98	50	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 3.47502 GHz with a span of 100 MHz. The y-axis is labeled 'dB/Offst' and ranges from 10 to 12.6 dB. The plot shows a signal with a peak at approximately 3.47502 GHz. The 'Occupied Bandwidth' is measured as 48.2571 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -66.131 kHz and the 'x dB Bandwidth' is 50.982 MHz. The 'Averages' are set to 1. The 'Ref' is 30 dBm and the '#Atten' is 30 dB. The 'Sweep' is 1 s (500 pts). The 'Ext Ref' is also visible on the plot.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2571 MHz	99.00 %	-26.00 dB

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27.14. Occupied Bandwidth for SA(NTNV)(Channel:633332, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.3	50.94	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
Ext Ref

10

dB/

Offst

12.7

dB

Center 3.499 98 GHz
Span 100 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

48.2994 MHz
x dB -26.00 dB

Transmit Freq Error -59.907 kHz

x dB Bandwidth 50.938 MHz

Power Stat CCDF

More 1 of 2

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27.15. Occupied Bandwidth for SA(NTNV)(Channel:635000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.28	50.93	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.525 GHz and a span of 100 MHz. The y-axis is labeled 'Log 10 dB/Offst 12.6 dB'. 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 48.2751 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -62.094 kHz and the 'x dB Bandwidth' is 50.927 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2751 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -62.094 kHz
x dB Bandwidth: 50.927 MHz

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27.16. Occupied Bandwidth for SA(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	57.79	60.84	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, and the span is 120 MHz. The occupied bandwidth is measured as 57.7854 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 74.993 kHz, and the XdB bandwidth is 60.837 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 %
57.7854 MHz	x dB	-26.00 dB
Transmit Freq Error	74.993 kHz	
x dB Bandwidth	60.837 MHz	

27.17. Occupied Bandwidth for SA(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	57.73	60.86	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 3.49998 GHz, and the span is 120 MHz. The occupied bandwidth is measured as 57.7275 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 64.207 kHz, and the XdB bandwidth is 60.862 MHz. 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	99.00 %
57.7275 MHz	x dB	-26.00 dB
Transmit Freq Error	64.207 kHz	
x dB Bandwidth	60.862 MHz	

27.18. Occupied Bandwidth for SA(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	57.65	61.01	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 3.51999 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted in green, showing a value of 57.6479 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
57.6479 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 44.551 kHz
 x dB Bandwidth: 61.013 MHz

27.19. Occupied Bandwidth for SA(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	77.3	80.67	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 3.49002 GHz. The occupied bandwidth is measured as 77.3031 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
77.3031 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 134.551 kHz
 x dB Bandwidth: 80.673 MHz

27.20. Occupied Bandwidth for SA(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	77.26	80.8	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 3.49998 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.2569 MHz. The power level 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
77.2569 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 148.680 kHz
 x dB Bandwidth: 80.801 MHz

27.21. Occupied Bandwidth for SA(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	77.25	80.66	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.51 GHz and a span of 160 MHz. The y-axis is labeled 'Log 10 dB/Offst 12.6 dB'. The plot shows a signal with a peak at approximately 3.51 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 77.2495 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 143.158 kHz and the 'x dB Bandwidth' is 80.662 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.2495 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 143.158 kHz
x dB Bandwidth: 80.662 MHz

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27.22. Occupied Bandwidth for SA(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	87.27	90.65	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.495 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 12.6 dB', 'Center 3.495 00 GHz', 'Span 180 MHz', '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 1 s (900 pts)'. The plot shows a signal with a peak at approximately 3.495 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing '87.2678 MHz' and '99.00 %' power. Other parameters shown include 'Transmit Freq Error 68.205 kHz' and 'x dB Bandwidth 90.648 MHz'. 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'. The copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

27.23. Occupied Bandwidth for SA(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	87.2	90.59	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 3.49998 GHz. The occupied bandwidth is 87.1996 MHz, which is 99.00% of the 90 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 97.413 kHz. The XdB bandwidth is 90.592 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 %
87.1996 MHz	x dB	-26.00 dB
Transmit Freq Error	97.413 kHz	
x dB Bandwidth	90.592 MHz	

27.24. Occupied Bandwidth for SA(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	87.2	90.79	90	Pass

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

Measurement	Value
Occupied Bandwidth	87.1978 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	120.970 kHz
x dB Bandwidth	90.790 MHz

Additional parameters shown in the interface include: Ch Freq 3.50499 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.6 dB, Center 3.504 99 GHz, Span 180 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (900 pts).

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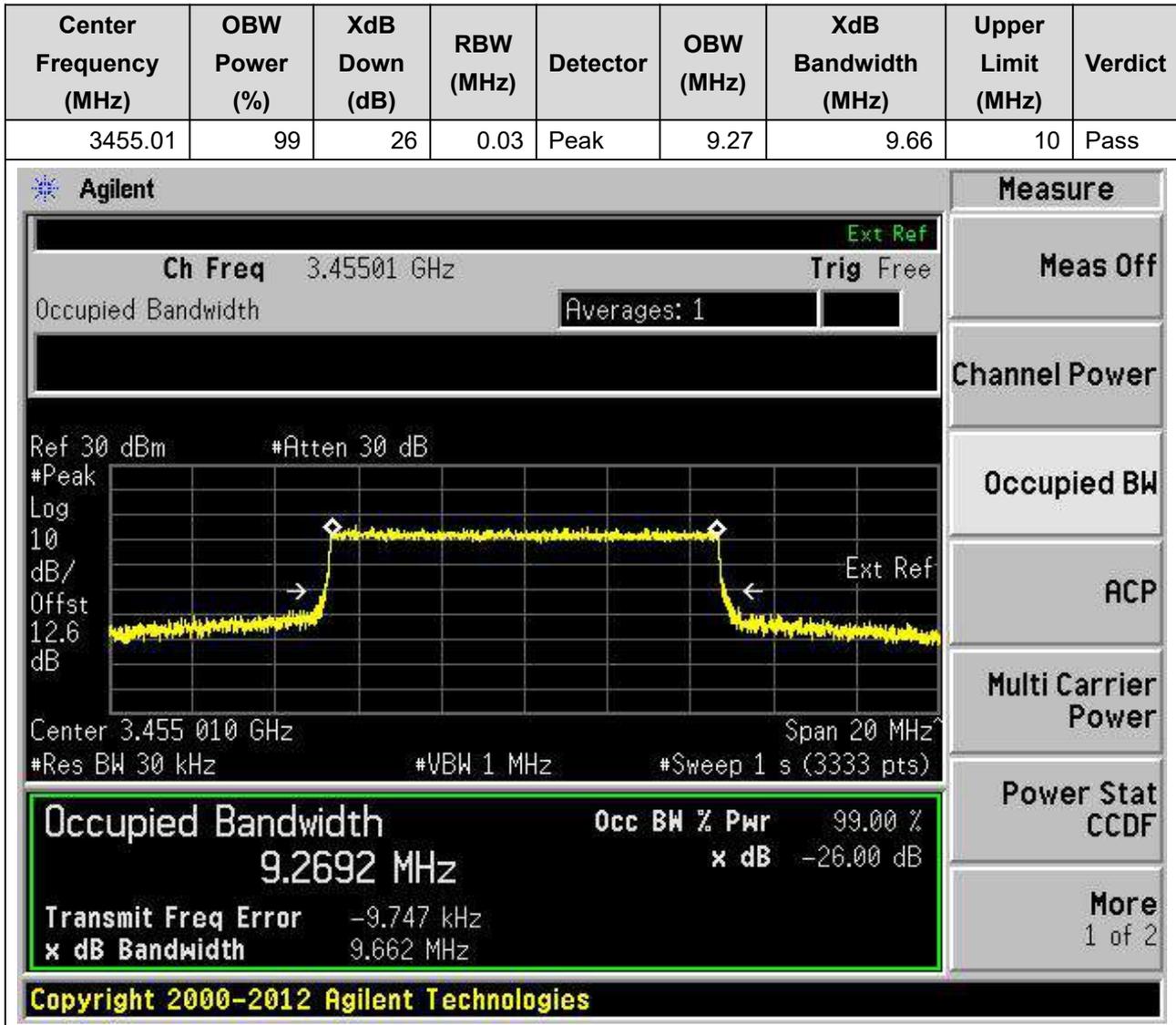
27.25. Occupied Bandwidth for SA(NTNV)(Channel:633332, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)

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	97.08	100.63	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 parameters include a reference level of 30 dBm, a 30 dB attenuator, a 10 dB log scale, and a 12.7 dB offset. The center frequency is 3.49998 GHz with a 200 MHz span. The resolution bandwidth is 1 MHz, video bandwidth is 3 MHz, and the sweep time is 1 second (1000 points). A green box highlights the measurement results: Occupied Bandwidth is 97.0782 MHz, Occ BW % Pwr is 99.00%, and x dB is -26.00 dB. Other parameters shown include Transmit Freq Error (148.574 kHz) and x dB Bandwidth (100.633 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). The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

28. n78_(3450-3550MHz)

28.1. Occupied Bandwidth for SA(NTNV)(Channel:630334, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)



28.2. Occupied Bandwidth for SA(NTNV)(Channel:633332, 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
3499.98	99	26	0.03	Peak	9.26	9.65	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 3.499980 GHz with a span of 20 MHz. The signal level is approximately 12.7 dB. The occupied bandwidth is highlighted with a green box and shows a value of 9.2600 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -3.780 kHz and the XdB bandwidth is 9.652 MHz. 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 notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2600 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -3.780 kHz
 x dB Bandwidth: 9.652 MHz

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28.3. Occupied Bandwidth for SA(NTNV)(Channel:636332, 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
3544.98	99	26	0.03	Peak	9.26	9.7	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:

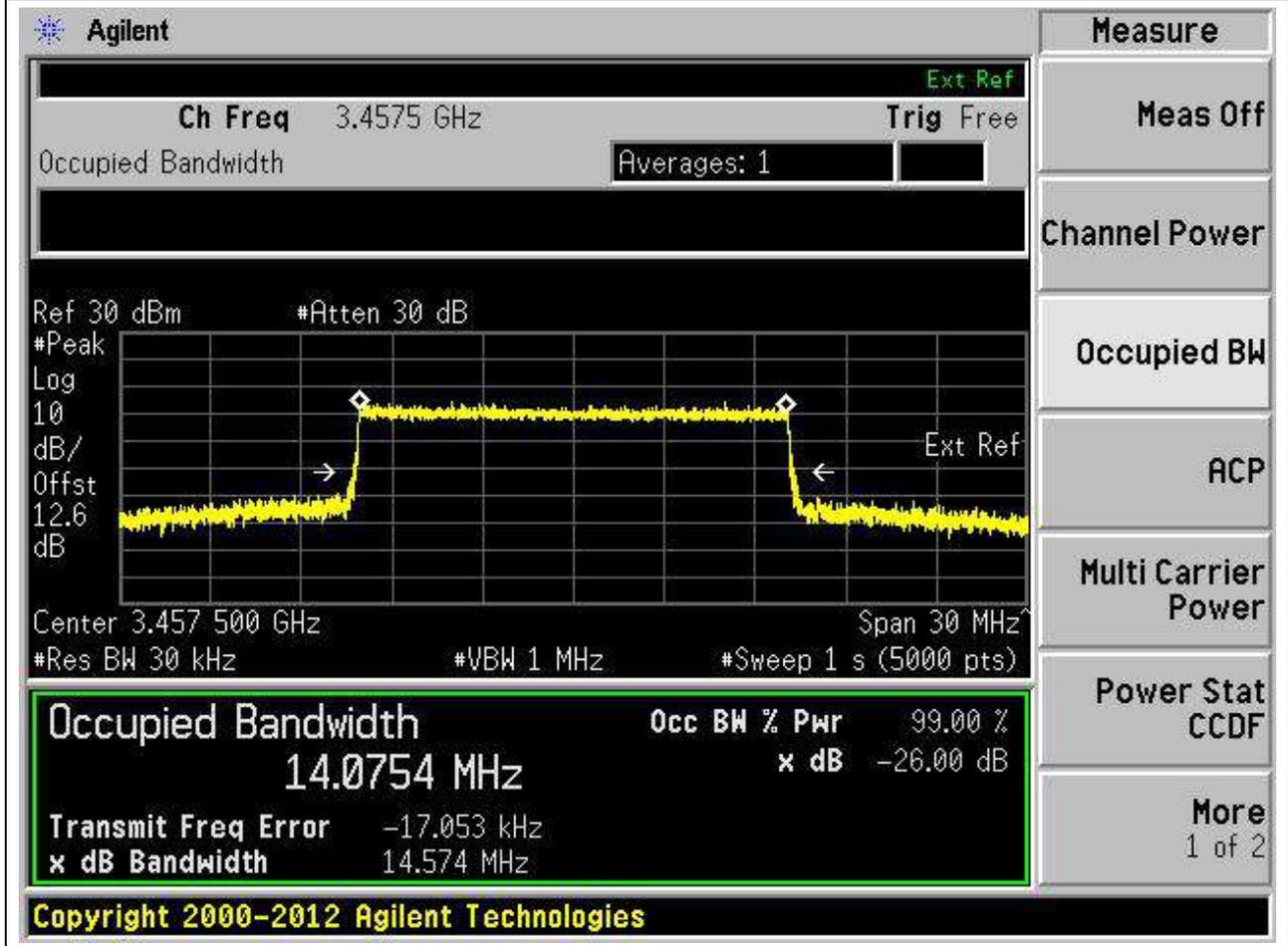
Measurement	Value
Occupied Bandwidth	9.2599 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.811 kHz
x dB Bandwidth	9.699 MHz

Other visible parameters include: Ch Freq 3.54498 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.7 dB, Center 3.544 980 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (3333 pts).

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28.4. Occupied Bandwidth for SA(NTNV)(Channel:630500, 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
3457.5	99	26	0.03	Peak	14.08	14.57	15	Pass



28.5. Occupied Bandwidth for SA(NTNV)(Channel:633332, 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
3499.98	99	26	0.03	Peak	14.08	14.47	15	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 30 MHz. The occupied bandwidth is highlighted as 14.0830 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.179 kHz, and the XdB bandwidth is 14.466 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 %
14.0830 MHz	x dB	-26.00 dB
Transmit Freq Error		-10.179 kHz
x dB Bandwidth		14.466 MHz

28.6. Occupied Bandwidth for SA(NTNV)(Channel:636166, 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
3542.49	99	26	0.03	Peak	14.08	14.46	15	Pass

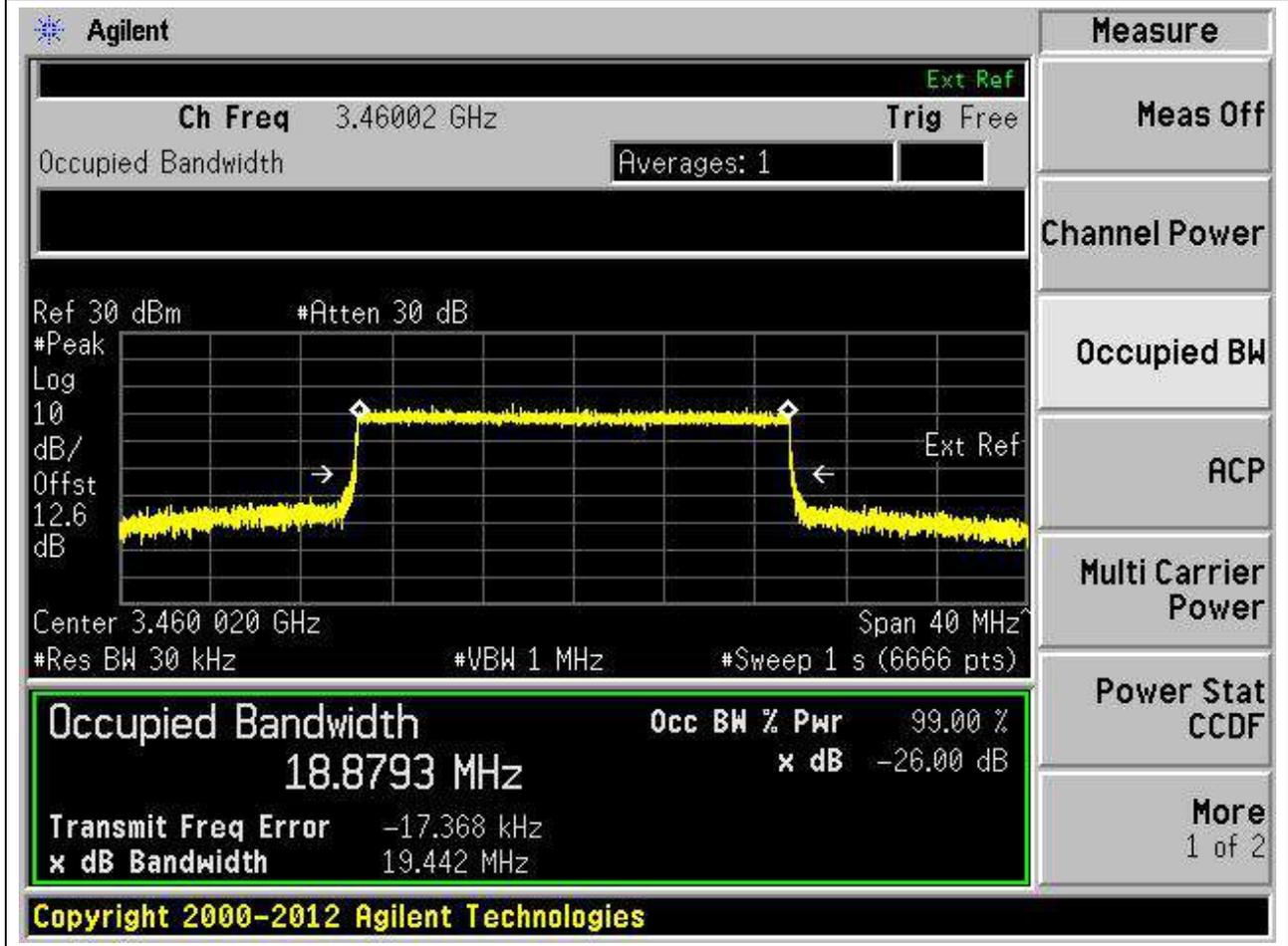
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	14.0806 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.377 kHz
x dB Bandwidth	14.464 MHz

Additional parameters shown in the interface include: Ch Freq 3.54249 GHz, Res BW 30 kHz, VBW 1 MHz, Span 30 MHz, and Sweep 1 s (5000 pts). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

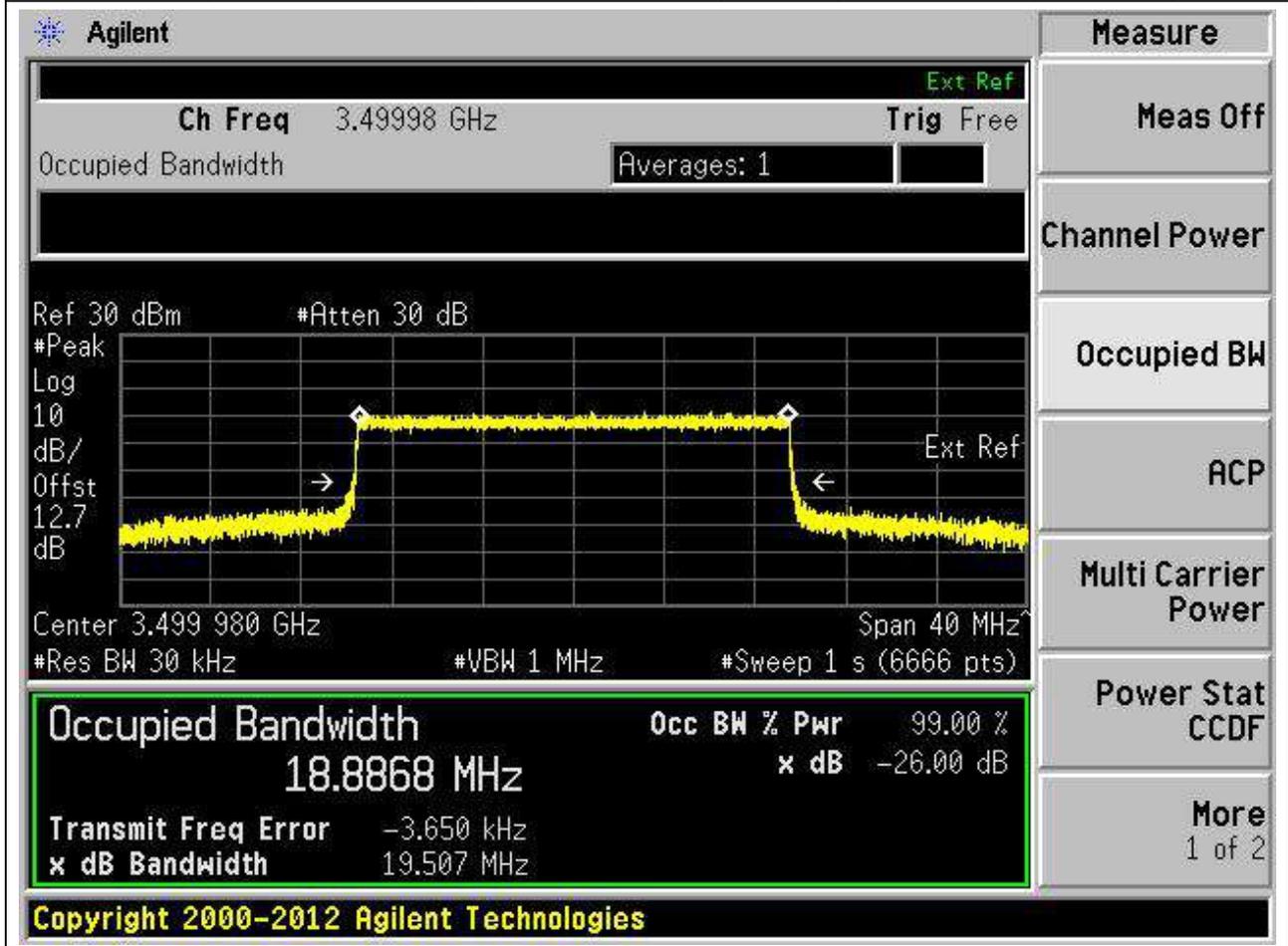
28.7. Occupied Bandwidth for SA(NTNV)(Channel:630668, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3460.02	99	26	0.03	Peak	18.88	19.44	20	Pass



28.8. Occupied Bandwidth for SA(NTNV)(Channel:633332, 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
3499.98	99	26	0.03	Peak	18.89	19.51	20	Pass



28.9. Occupied Bandwidth for SA(NTNV)(Channel:636000, 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
3540	99	26	0.03	Peak	18.88	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 3.54 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8771 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8771 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 810.716 Hz
 x dB Bandwidth: 19.444 MHz

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28.10. Occupied Bandwidth for SA(NTNV)(Channel:631000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3465	99	26	1	Peak	28.86	31.05	30	Pass

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

Measurement	Value
Occupied Bandwidth	28.8644 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-70.669 kHz
x dB Bandwidth	31.052 MHz

Additional parameters shown in the interface include: Ch Freq 3.465 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.6 dB, Center 3.465 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (401 pts).

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28.11. Occupied Bandwidth for SA(NTNV)(Channel:633332, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	28.89	31.12	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 3.49998 GHz, and the span is 60 MHz. The occupied bandwidth is highlighted in green, showing 28.8859 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.8859 MHz	x dB	-26.00 dB
Transmit Freq Error	14.477 kHz	
x dB Bandwidth	31.117 MHz	

28.12. Occupied Bandwidth for SA(NTNV)(Channel:635666, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3534.99	99	26	1	Peak	28.83	31.1	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 12.6 dB' and the x-axis is 'Center 3.534 99 GHz'. The plot shows a signal with a sharp peak and a wider base, with 'Ext Ref' markers on either side. Below the plot, the following parameters are listed: #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (401 pts), and Span 60 MHz.

The measurement results are displayed in a green-bordered box at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.8282 MHz	x dB	-26.00 dB
Transmit Freq Error		39.563 kHz
x dB Bandwidth		31.096 MHz

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

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28.13. Occupied Bandwidth for SA(NTNV)(Channel:631334, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3470.01	99	26	1	Peak	38.72	41.24	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 3.47001 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing 38.7246 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -73.229 kHz, and the XdB bandwidth is 41.244 MHz. 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 information: 'Copyright 2000-2012 Agilent Technologies'.

28.14. Occupied Bandwidth for SA(NTNV)(Channel:633332, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3499.98	99	26	1	Peak	38.74	41.26	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.49998 GHz. The Occupied Bandwidth is measured as 38.7443 MHz. The power level is 99.00% and the XdB Down is -26.00 dB. The center frequency is 3.5000 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 1 second (401 points). The interface also shows various measurement buttons on the right side, including Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Occupied Bandwidth	Occ BW % Pwr	x dB
38.7443 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 19.411 kHz
 x dB Bandwidth: 41.264 MHz

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28.15. Occupied Bandwidth for SA(NTNV)(Channel:635332, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3529.98	99	26	1	Peak	38.66	41.14	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and the x-axis is 'Center 3.530 0 GHz'. The plot shows a signal with a peak at approximately 3.53 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth 38.6590 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 42.017 kHz

x dB Bandwidth 41.144 MHz

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28.16. Occupied Bandwidth for SA(NTNV)(Channel:631668, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.4	51.11	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 3.47502 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.4045 MHz. The power level 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
48.4045 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -86.495 kHz
x dB Bandwidth: 51.105 MHz

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28.17. Occupied Bandwidth for SA(NTNV)(Channel:633332, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.38	50.98	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 results are as follows:

Measurement	Value
Occupied Bandwidth	48.3771 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	10.293 kHz
x dB Bandwidth	50.978 MHz

Additional parameters shown in the interface include: Ch Freq 3.49998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.7 dB, Center 3.499 98 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (500 pts).

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28.18. Occupied Bandwidth for SA(NTNV)(Channel:635000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.26	50.97	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 3.525 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.2605 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2605 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 37.261 kHz
x dB Bandwidth: 50.966 MHz

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28.19. Occupied Bandwidth for SA(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	57.94	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 3.48 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted in green, showing a value of 57.9416 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -96.514 kHz, and the XdB bandwidth is 60.882 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
57.9416 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -96.514 kHz
 x dB Bandwidth: 60.882 MHz

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28.20. Occupied Bandwidth for SA(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	57.89	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	57.8918 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.846 kHz
x dB Bandwidth	60.959 MHz

Additional parameters shown in the interface include: Ch Freq 3.49998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.7 dB, Center 3.499 98 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (600 pts).

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28.21. Occupied Bandwidth for SA(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	57.81	60.84	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 3.51999 GHz, and the span is 120 MHz. The occupied bandwidth is measured as 57.8114 MHz, which is 99.00% of the 60 MHz channel bandwidth. The XdB bandwidth is 60.841 MHz, and the XdB down is -26.00 dB. The measurement is performed using a Peak detector with a 3 MHz resolution bandwidth (RBW) and a 30 dB attenuation. The upper limit is set to 60 MHz, and the verdict is 'Pass'.

Occupied Bandwidth	Occ BW % Pwr	x dB
57.8114 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include: Ch Freq 3.51999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.5 dB, Center 3.519 99 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (600 pts), Transmit Freq Error 69.349 kHz, and x dB Bandwidth 60.841 MHz.

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28.22. Occupied Bandwidth for SA(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	67.58	71.65	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.48501 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with a resolution bandwidth of 3 MHz. The y-axis is labeled 'dB/Offst' with a reference level of 30 dBm and an attenuation of 30 dB. The plot shows a signal with a flat top and sloping sides, characteristic of a channel with occupied bandwidth. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 67.5787 MHz. Other parameters shown include 'Occ BW % Pwr' at 99.00% and 'x dB' at -26.00 dB. The 'Transmit Freq Error' is -92.490 kHz and the 'x dB Bandwidth' is 71.645 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 footer of the screen reads 'Copyright 2000-2012 Agilent Technologies'.

28.23. Occupied Bandwidth for SA(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	67.47	71.06	70	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

12.7

dB

Center 3.499 98 GHz
Span 140 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

67.4694 MHz
x dB -26.00 dB

Transmit Freq Error 2.002 kHz

x dB Bandwidth 71.057 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

28.24. Occupied Bandwidth for SA(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	67.39	71.01	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 3.51498 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.3902 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 71.015 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 51.773 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 information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
67.3902 MHz	x dB	-26.00 dB
Transmit Freq Error	51.773 kHz	
x dB Bandwidth	71.015 MHz	

28.25. Occupied Bandwidth for SA(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	77.56	80.9	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 77.5568 MHz, which is 99.00% of the 80 MHz channel bandwidth. 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	77.5568 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	937.679 Hz
x dB Bandwidth	80.904 MHz

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28.26. Occupied Bandwidth for SA(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	80.86	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 3.49998 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4997 MHz. The power level 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 information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.4997 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 53.684 kHz
 x dB Bandwidth: 80.857 MHz

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28.27. Occupied Bandwidth for SA(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	80.77	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	77.4866 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	51.823 kHz
x dB Bandwidth	80.766 MHz

Additional parameters shown in the interface include: Ch Freq 3.51 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, Center 3.510 00 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (800 pts).

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28.28. Occupied Bandwidth for SA(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	87.51	90.87	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 3.495 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.5068 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -64.647 kHz, and the x dB bandwidth is 90.866 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 %
87.5068 MHz	x dB	-26.00 dB
Transmit Freq Error		-64.647 kHz
x dB Bandwidth		90.866 MHz

28.29. Occupied Bandwidth for SA(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	87.48	90.71	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 3.49998 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.4827 MHz, which is 99.00% of the 90 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -21.167 kHz, and the x dB bandwidth is 90.708 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.4827 MHz	99.00 %	-26.00 dB

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28.30. Occupied Bandwidth for SA(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	87.45	90.79	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 3.50499 GHz. The occupied bandwidth is 87.4456 MHz, which is 99.00% of the 90 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -14.874 kHz. The XdB bandwidth is 90.790 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 %
87.4456 MHz	x dB	-26.00 dB
Transmit Freq Error		-14.874 kHz
x dB Bandwidth		90.790 MHz

28.31. Occupied Bandwidth for SA(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	97.36	100.74	100	Pass

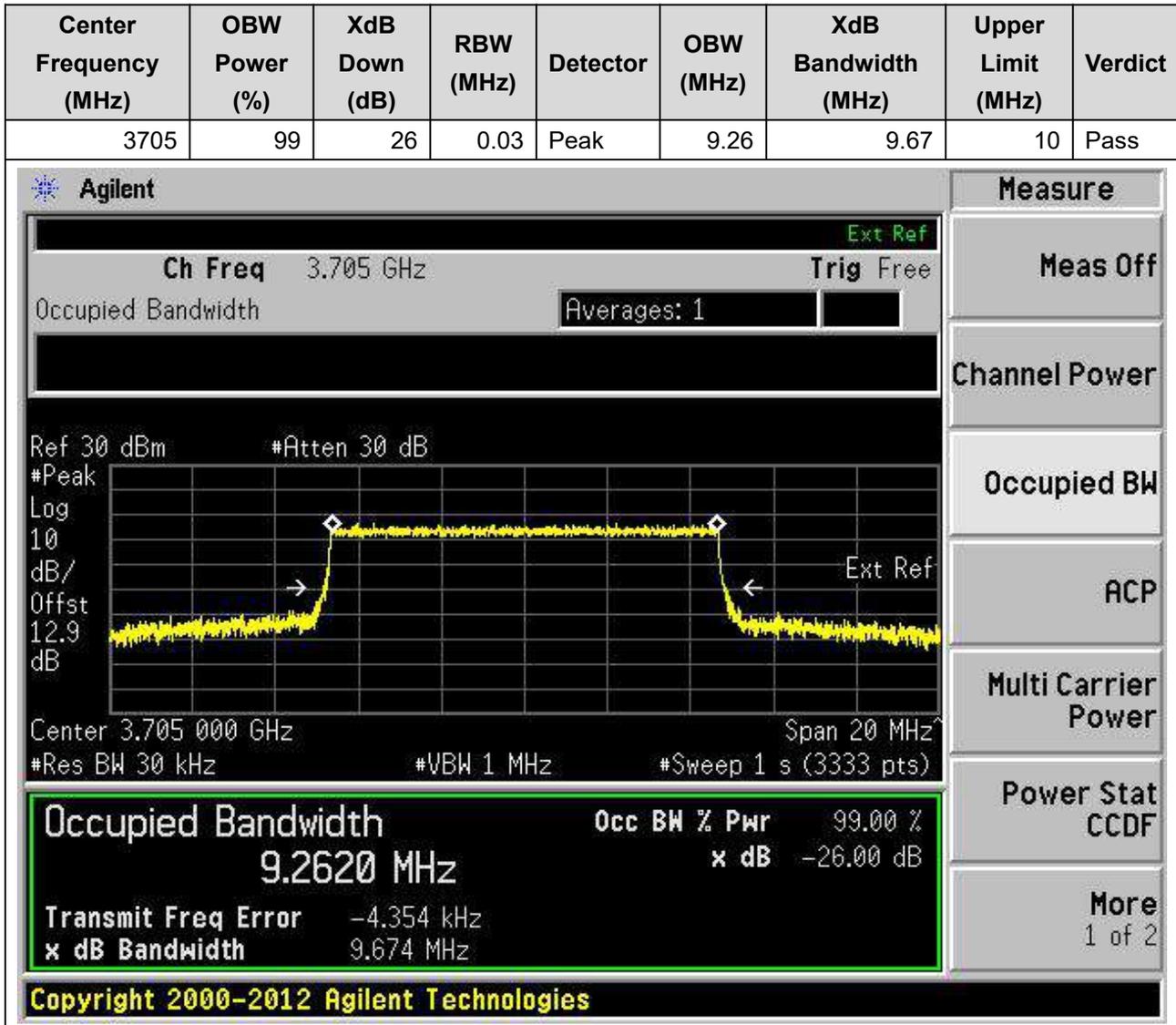
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.49998 GHz, and the span is 200 MHz. The occupied bandwidth is highlighted as 97.3642 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	97.3642 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-3.419 kHz
x dB Bandwidth	100.739 MHz

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29. n77_(3700-3980MHz)

29.1. Occupied Bandwidth for SA(NTNV)(Channel:647000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)



29.2. Occupied Bandwidth for SA(NTNV)(Channel:656000, 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
3840	99	26	0.03	Peak	9.27	9.7	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 3.84 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2653 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -4.228 kHz, and the XdB bandwidth is 9.702 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 %
9.2653 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.228 kHz
x dB Bandwidth		9.702 MHz

29.3. Occupied Bandwidth for SA(NTNV)(Channel:665000, 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
3975	99	26	0.03	Peak	9.26	9.69	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 3.975 GHz with a span of 20 MHz. The signal level is approximately 13.1 dB. The occupied bandwidth is highlighted with a green box, showing a value of 9.2602 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -3.656 kHz and the XdB bandwidth is 9.693 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
9.2602 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -3.656 kHz
 x dB Bandwidth: 9.693 MHz

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29.4. Occupied Bandwidth for SA(NTNV)(Channel:647168, 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
3707.52	99	26	0.03	Peak	14.08	14.55	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0766 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-8.859 kHz
x dB Bandwidth	14.550 MHz

Other visible parameters include: Ch Freq 3.70752 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.9 dB, Center 3.707 520 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (5000 pts).

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29.5. Occupied Bandwidth for SA(NTNV)(Channel:656000, 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
3840	99	26	0.03	Peak	14.07	14.55	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0727 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.081 kHz
x dB Bandwidth	14.549 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, 13.2 dB, Center 3.840 000 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (5000 pts).

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29.6. Occupied Bandwidth for SA(NTNV)(Channel:664832, 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
3972.48	99	26	0.03	Peak	14.08	14.55	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.97248 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0829 MHz. The power level 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
14.0829 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -11.441 kHz
 x dB Bandwidth: 14.548 MHz

29.7. Occupied Bandwidth for SA(NTNV)(Channel:647334, 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
3710.01	99	26	0.03	Peak	18.87	19.5	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 3.71001 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8695 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -1.079 kHz, and the x dB bandwidth is 19.498 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8695 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.079 kHz	
x dB Bandwidth	19.498 MHz	

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29.8. Occupied Bandwidth for SA(NTNV)(Channel:656000, 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
3840	99	26	0.03	Peak	18.86	19.38	20	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 3.840 GHz with a span of 40 MHz. The signal level is approximately 13.2 dB. The occupied bandwidth is highlighted with a green box, showing a value of 18.8627 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters such as Res BW (30 kHz), VBW (1 MHz), and Sweep (1 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8627 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, dB/Offst 13.2 dB, Center 3.840 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (6666 pts), Transmit Freq Error -9.722 kHz, x dB Bandwidth 19.378 MHz.

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29.9. Occupied Bandwidth for SA(NTNV)(Channel:664666, 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
3969.99	99	26	0.03	Peak	18.88	19.46	20	Pass

Agilent
Measure

Ch Freq 3.96999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

13.1

dB

Center 3.969 990 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.8848 MHz
x dB -26.00 dB

Transmit Freq Error -5.922 kHz

x dB Bandwidth 19.461 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

29.10. Occupied Bandwidth for SA(NTNV)(Channel:648000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.66	41.19	40	Pass

Agilent
Measure

Ch Freq 3.72 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

12.9
dB

Center 3.720 0 GHz
Span 80 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

38.6624 MHz
x dB -26.00 dB

Transmit Freq Error -19.036 kHz

x dB Bandwidth 41.191 MHz

Power Stat CCDF

More 1 of 2

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29.11. Occupied Bandwidth for SA(NTNV)(Channel:656000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3840	99	26	1	Peak	38.69	41.29	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 3.84 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted as 38.6915 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	38.6915 MHz
Occ BW % Pwr	99.00 %
x dB Bandwidth	-26.00 dB
Transmit Freq Error	-52.592 kHz
x dB Bandwidth	41.292 MHz

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29.12. Occupied Bandwidth for SA(NTNV)(Channel:664000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3960	99	26	1	Peak	38.67	41.23	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 3.960 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing a value of 38.6651 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -56.834 kHz, and the XdB bandwidth is 41.230 MHz. 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
38.6651 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -56.834 kHz
 x dB Bandwidth: 41.230 MHz

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29.13. Occupied Bandwidth for SA(NTNV)(Channel:648334, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.28	50.92	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.72501 GHz. The Occupied Bandwidth is measured as 48.2778 MHz, which is 99.00% of the 50 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 Span (100 MHz).

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2778 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot:

- Center: 3.725 01 GHz
- Span: 100 MHz
- Res BW: 1 MHz
- VBW: 3 MHz
- Sweep: 1 s (500 pts)
- Transmit Freq Error: -61.816 kHz
- x dB Bandwidth: 50.921 MHz

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29.14. Occupied Bandwidth for SA(NTNV)(Channel:656000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.31	50.97	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 results are as follows:

Measurement	Value
Occupied Bandwidth	48.3102 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-51.622 kHz
x dB Bandwidth	50.968 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, 13.2 dB, Center 3.840 00 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (500 pts).

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29.15. Occupied Bandwidth for SA(NTNV)(Channel:663666, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.3	50.98	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.95499 GHz. The Occupied Bandwidth is measured as 48.3047 MHz. The XdB Bandwidth is 50.984 MHz. The XdB Down is -26.00 dB. The Occupied Bandwidth Percentage Power is 99.00%. The Transmit Frequency Error is -76.295 kHz. The x dB Bandwidth is 50.984 MHz. The interface also shows various measurement settings and a list of available measurement functions on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.3047 MHz	99.00 %	-26.00 dB

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29.16. Occupied Bandwidth for SA(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	60.78	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 57.7883 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -20.956 kHz, and the XdB bandwidth is 60.785 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
57.7883 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -20.956 kHz
 x dB Bandwidth: 60.785 MHz

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29.17. Occupied Bandwidth for SA(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	60.8	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 highlighted as 57.8362 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -38.731 kHz, and the XdB bandwidth is 60.799 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
57.8362 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -38.731 kHz
 x dB Bandwidth: 60.799 MHz

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29.18. Occupied Bandwidth for SA(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	57.71	60.83	60	Pass

Agilent
Measure

Ch Freq 3.94998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

13.2
dB

Center 3.949 98 GHz
Span 120 MHz

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

Occupied Bandwidth

57.7051 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -6.523 kHz

x dB Bandwidth 60.825 MHz

Power Stat CCDF
More 1 of 2

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29.19. Occupied Bandwidth for SA(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	77.33	80.81	80	Pass

Agilent
Measure

Ch Freq 3.74001 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

13

dB

Center 3.740 01 GHz
Span 160 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

77.3335 MHz
x dB -26.00 dB

Transmit Freq Error 31.651 kHz

x dB Bandwidth 80.814 MHz

Power Stat CCDF

More 1 of 2

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29.20. Occupied Bandwidth for SA(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	77.33	80.82	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 77.3272 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 10.899 kHz, and the XdB bandwidth is 80.818 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 %
77.3272 MHz	x dB	-26.00 dB
Transmit Freq Error	10.899 kHz	
x dB Bandwidth	80.818 MHz	

29.21. Occupied Bandwidth for SA(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	77.3	80.71	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 77.2978 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 1.150 kHz and the XdB bandwidth is 80.712 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.2978 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 1.150 kHz
 x dB Bandwidth: 80.712 MHz

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29.22. Occupied Bandwidth for SA(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	87.21	90.66	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. The occupied bandwidth is 87.2098 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -27.643 kHz. The XdB bandwidth is 90.656 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 %
87.2098 MHz	x dB	-26.00 dB
Transmit Freq Error		-27.643 kHz
x dB Bandwidth		90.656 MHz

29.23. Occupied Bandwidth for SA(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	87.21	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 3.84 GHz, and the span is 180 MHz. The occupied bandwidth is highlighted as 87.2074 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.2074 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -61.000 kHz
 x dB Bandwidth: 90.766 MHz

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29.24. Occupied Bandwidth for SA(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	87.28	90.61	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 87.2807 MHz, which is 99.00% of the 90 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -69.867 kHz, and the x dB bandwidth is 90.605 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 %
87.2807 MHz	x dB	-26.00 dB
Transmit Freq Error		-69.867 kHz
x dB Bandwidth		90.605 MHz

29.25. Occupied Bandwidth for SA(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	97.01	100.76	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.75 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with 'dB/Offst 13 dB'. The center frequency is 3.750 00 GHz and the span is 200 MHz. The resolution bandwidth is 1 MHz and the video bandwidth is 3 MHz. The sweep time is 1 s (1000 pts). 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 97.0105 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 49.787 kHz and the 'x dB Bandwidth' is 100.761 MHz. 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'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

29.26. Occupied Bandwidth for SA(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	96.98	100.64	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.84 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '13.2 dB'. The plot shows a signal with a flat top and sloping sides, characteristic of a channel signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 96.9832 MHz. Other parameters shown include 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 7.455 kHz', and 'x dB Bandwidth 100.638 MHz'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
96.9832 MHz	99.00 %	-26.00 dB

29.27. Occupied Bandwidth for SA(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	96.93	100.74	100	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:

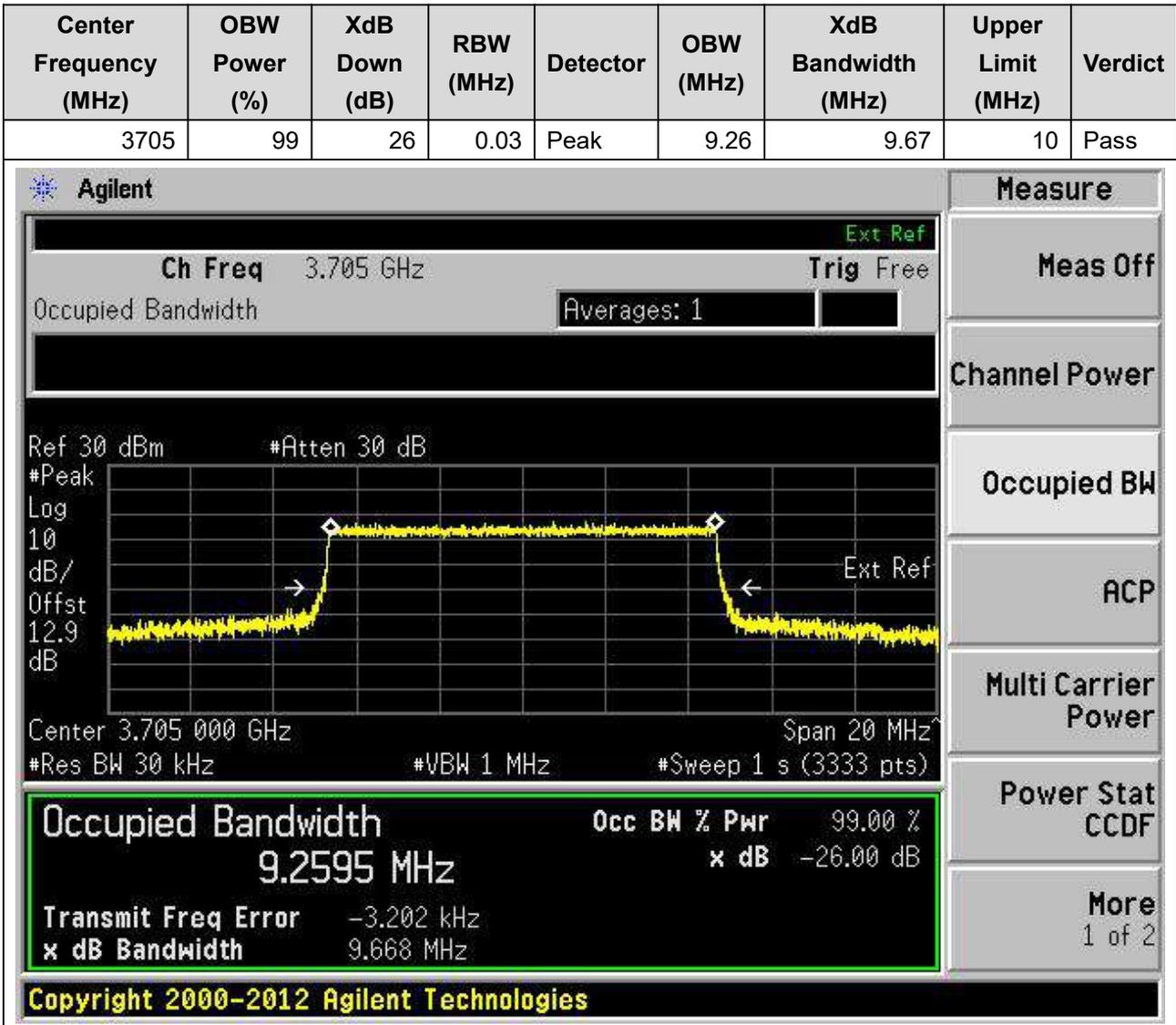
Measurement	Value
Occupied Bandwidth	96.9293 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	17.253 kHz
x dB Bandwidth	100.736 MHz

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

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30. n78_(3700-3800MHz)

30.1. Occupied Bandwidth for SA(NTNV)(Channel:647000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)



30.2. Occupied Bandwidth for SA(NTNV)(Channel:650000, 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
3750	99	26	0.03	Peak	9.26	9.7	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 results are as follows:

Measurement	Value
Occupied Bandwidth	9.2647 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.390 kHz
x dB Bandwidth	9.699 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Res BW 30 kHz, Span 20 MHz, and Sweep 1 s (3333 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.

30.3. Occupied Bandwidth for SA(NTNV)(Channel:653000, 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
3795	99	26	0.03	Peak	9.26	9.73	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 3.795 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2649 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.635 kHz, and the XdB bandwidth is 9.728 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 %
9.2649 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.635 kHz	
x dB Bandwidth	9.728 MHz	

30.4. Occupied Bandwidth for SA(NTNV)(Channel:647168, 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
3707.52	99	26	0.03	Peak	14.08	14.55	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0778 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-7.266 kHz
x dB Bandwidth	14.545 MHz

Other visible parameters include: Ch Freq 3.70752 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.9 dB, Center 3.707 520 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (5000 pts).

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30.5. Occupied Bandwidth for SA(NTNV)(Channel:650000, 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
3750	99	26	0.03	Peak	14.08	14.51	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0775 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.669 kHz
x dB Bandwidth	14.513 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 dB, Center 3.750 000 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (5000 pts).

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30.6. Occupied Bandwidth for SA(NTNV)(Channel:652832, 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
3792.48	99	26	0.03	Peak	14.08	14.46	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0806 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.384 kHz
x dB Bandwidth	14.458 MHz

Additional parameters shown in the interface include: Ch Freq 3.79248 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13 dB, Center 3.792 480 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (5000 pts).

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30.7. Occupied Bandwidth for SA(NTNV)(Channel:647334, 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
3710.01	99	26	0.03	Peak	18.87	19.43	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 3.71001 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8723 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8723 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -1.600 kHz
x dB Bandwidth: 19.426 MHz

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30.8. Occupied Bandwidth for SA(NTNV)(Channel:650000, 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
3750	99	26	0.03	Peak	18.89	19.43	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 highlighted as 18.8892 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various control 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
18.8892 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -6.417 kHz
 x dB Bandwidth: 19.425 MHz

30.9. Occupied Bandwidth for SA(NTNV)(Channel:652666, 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
3789.99	99	26	0.03	Peak	18.88	19.44	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 3.78999 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8775 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	18.8775 MHz
Occ BW % Pwr	99.00 %
x dB Bandwidth	-26.00 dB
Transmit Freq Error	-8.210 kHz
x dB Bandwidth	19.442 MHz

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30.10. Occupied Bandwidth for SA(NTNV)(Channel:647668, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.82	31.05	30	Pass

Agilent
Measure

Ch Freq 3.71502 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 12.9 dB

Center 3.715 02 GHz Span 60 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

28.8236 MHz

Transmit Freq Error -331.166 Hz

x dB Bandwidth 31.045 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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30.11. Occupied Bandwidth for SA(NTNV)(Channel:650000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.82	31.02	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.75 GHz. The 'Occupied Bandwidth' measurement is highlighted in green, showing a value of 28.8157 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error of -4.950 kHz and x dB Bandwidth of 31.017 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.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.8157 MHz	99.00 %	-26.00 dB

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30.12. Occupied Bandwidth for SA(NTNV)(Channel:652332, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.8	30.98	30	Pass

Agilent
Measure

Ch Freq 3.78498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

12.9

dB

Center 3.784 98 GHz
Span 60 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

28.7953 MHz
x dB -26.00 dB

Transmit Freq Error -7.677 kHz

x dB Bandwidth 30.981 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

30.13. Occupied Bandwidth for SA(NTNV)(Channel:648000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.68	41.2	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.72 GHz. The 'Occupied Bandwidth' measurement is highlighted in green, showing a value of 38.6776 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -19.225 kHz and the 'x dB Bandwidth' is 41.198 MHz. The interface also shows various settings like 'Ch Freq 3.72 GHz', 'Trig Free', 'Averages: 1', 'Ref 30 dBm', '#Atten 30 dB', 'Center 3.720 0 GHz', 'Span 80 MHz', '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 1 s (401 pts)'. A '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'. The copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

30.14. Occupied Bandwidth for SA(NTNV)(Channel:650000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	38.68	41.2	40	Pass

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

Measurement	Value
Occupied Bandwidth	38.6776 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-28.705 kHz
x dB Bandwidth	41.203 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, Center 3.7500 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (401 pts).

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30.15. Occupied Bandwidth for SA(NTNV)(Channel:652000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3780	99	26	1	Peak	38.65	41.15	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 38.6537 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -29.120 kHz, and the XdB bandwidth is 41.155 MHz. 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	99.00 %
38.6537 MHz	x dB	-26.00 dB
Transmit Freq Error		-29.120 kHz
x dB Bandwidth		41.155 MHz

30.16. Occupied Bandwidth for SA(NTNV)(Channel:648334, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.31	50.94	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 48.3080 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -49.729 kHz, and the XdB bandwidth is 50.937 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 %
48.3080 MHz	x dB	-26.00 dB
Transmit Freq Error		-49.729 kHz
x dB Bandwidth		50.937 MHz

30.17. Occupied Bandwidth for SA(NTNV)(Channel:650000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.32	50.95	50	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	48.3208 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-40.135 kHz
x dB Bandwidth	50.950 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, Center 3.750 00 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (500 pts).

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30.18. Occupied Bandwidth for SA(NTNV)(Channel:651666, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, 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	48.3	50.95	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB' and the x-axis is 'Center 3.774 99 GHz'. The plot shows a signal with a peak at approximately 3.77499 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth 48.2966 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -33.267 kHz

x dB Bandwidth 50.954 MHz

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30.19. Occupied Bandwidth for SA(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	57.81	60.81	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 57.8116 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -14.516 kHz. The XdB bandwidth is 60.811 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
57.8116 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -14.516 kHz
 x dB Bandwidth: 60.811 MHz

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30.20. Occupied Bandwidth for SA(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	57.78	60.82	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 3.75 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted as 57.7754 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.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
57.7754 MHz	x dB	-26.00 dB
Transmit Freq Error	18.010 kHz	
x dB Bandwidth	60.824 MHz	

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30.21. Occupied Bandwidth for SA(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	57.79	60.86	60	Pass

Agilent
Measure

Ch Freq 3.76998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

12.9

dB

Center 3.769 98 GHz
Span 120 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

57.7943 MHz
x dB -26.00 dB

Transmit Freq Error -19.197 kHz

x dB Bandwidth 60.859 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

30.22. Occupied Bandwidth for SA(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	67.29	70.72	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 67.2891 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 3.721 kHz, and the XdB bandwidth is 70.717 MHz. 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
67.2891 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 3.721 kHz
 x dB Bandwidth: 70.717 MHz

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30.23. Occupied Bandwidth for SA(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	67.33	70.88	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.75 GHz and a span of 140 MHz. The vertical axis is labeled 'Log 10 dB/Offst 13 dB'. The horizontal axis is labeled 'Center 3.750 00 GHz' and 'Span 140 MHz'. The plot shows a signal with a peak at approximately 3.75 GHz. The 'Occupied Bandwidth' is measured as 67.3292 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -5.401 kHz and the 'x dB Bandwidth' is 70.876 MHz. The 'Averages' are set to 1. The 'Trig' is set to 'Free'. The 'Ref' is set to '30 dBm' and the '#Atten' is set to '30 dB'. The 'Ext Ref' is also indicated. 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

30.24. Occupied Bandwidth for SA(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	67.29	70.98	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 results are as follows:

Measurement	Value
Occupied Bandwidth	67.2941 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-18.640 kHz
x dB Bandwidth	70.981 MHz

Additional parameters shown in the interface include: Ch Freq 3.765 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, Center 3.765 00 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (700 pts).

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30.25. Occupied Bandwidth for SA(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	77.31	80.8	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 results are as follows:

Measurement	Value
Occupied Bandwidth	77.3134 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	52.682 kHz
x dB Bandwidth	80.804 MHz

Other visible parameters include: Ch Freq 3.74001 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, Center 3.740 01 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (800 pts).

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30.26. Occupied Bandwidth for SA(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	77.3	80.83	80	Pass

Agilent
Measure

Ch Freq 3.75 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

13

dB

Center 3.750 00 GHz
Span 160 MHz

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

Occupied Bandwidth

77.2973 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 42.651 kHz

x dB Bandwidth 80.826 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

30.27. Occupied Bandwidth for SA(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	77.3	80.72	80	Pass

Agilent
Measure

Ch Freq 3.75999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

13

dB

Center 3.759 99 GHz
Span 160 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

77.3006 MHz
x dB -26.00 dB

Transmit Freq Error 24.057 kHz

x dB Bandwidth 80.715 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

30.28. Occupied Bandwidth for SA(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	87.24	90.71	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 as 87.2449 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'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.2449 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 8.962 kHz
 x dB Bandwidth: 90.710 MHz

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30.29. Occupied Bandwidth for SA(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	87.28	90.54	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 highlighted as 87.2795 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -26.076 kHz. The XdB bandwidth is 90.540 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
87.2795 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -26.076 kHz
x dB Bandwidth: 90.540 MHz

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