

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	48.22	50.89	50	Pass

Agilent
Measure

Ch Freq 3.49998 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

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)

Occupied Bandwidth	48.2206 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	34.387 kHz		
x dB Bandwidth	50.887 MHz		

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More
1 of 2

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	48.2	50.94	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 'dB/Offst' and ranges from 10 to 12.6 dB. The plot shows a signal with a peak at approximately 3.525 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 48.2032 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 15.238 kHz and the 'x dB Bandwidth' is 50.938 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2032 MHz	99.00 %	-26.00 dB

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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	57.69	60.66	60	Pass

Occupied Bandwidth 57.6887 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -1.091 kHz
x dB Bandwidth 60.661 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	57.73	60.79	60	Pass

Agilent

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth 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)

Occupied Bandwidth 57.7321 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -4.409 kHz

x dB Bandwidth 60.787 MHz

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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	57.73	60.68	60	Pass

Agilent
Measure

Ch Freq 3.51999 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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)

Occupied Bandwidth Occ BW % Pwr 99.00 %

57.7281 MHz

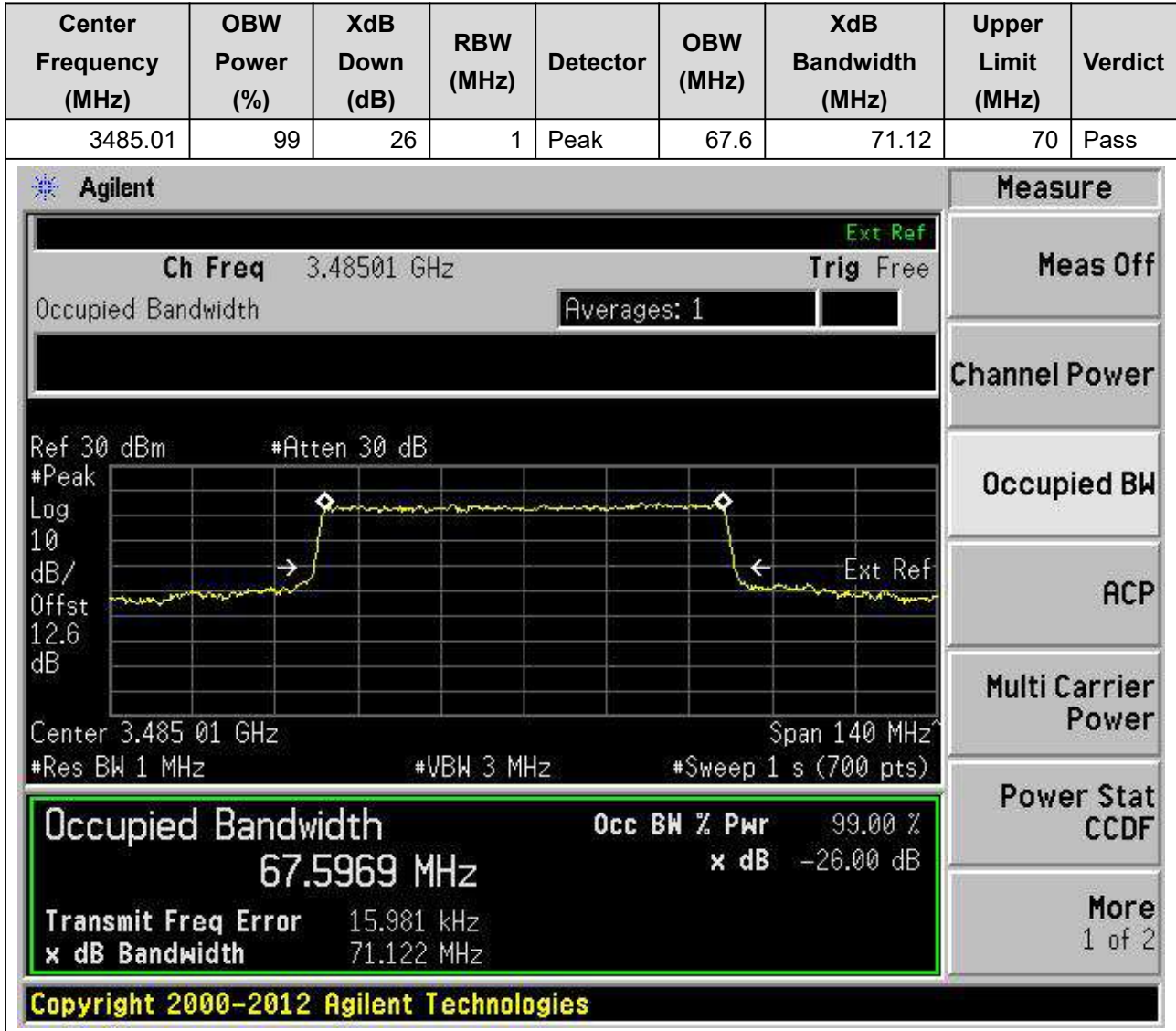
x dB -26.00 dB

Transmit Freq Error 16.457 kHz

x dB Bandwidth 60.684 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)



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	67.33	70.92	70	Pass

Agilent

Ext Ref

Ch Freq 3.49998 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

12.7

dB

Ext Ref

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 %

67.3252 MHz **x dB** -26.00 dB

Transmit Freq Error 74.739 kHz

x dB Bandwidth 70.921 MHz

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Measure

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	67.34	71.22	70	Pass

Agilent

Ch Freq 3.51498 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.6 dB

Center 3.514 98 GHz Span 140 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
67.3412 MHz	x dB	-26.00 dB
Transmit Freq Error	81.633 kHz	
x dB Bandwidth	71.218 MHz	

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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	77.46	80.39	80	Pass

Agilent
Measure

Ch Freq 3.49002 GHz
Trig Free

Occupied Bandwidth Averages: 1

Center 3.490 02 GHz
Span 160 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

77.4576 MHz
x dB -26.00 dB

Transmit Freq Error 88.347 kHz

x dB Bandwidth 80.389 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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	77.36	80.55	80	Pass

Agilent
Measure

Ch Freq 3.49998 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 12.7 dB

Center 3.499 98 GHz
Span 160 MHz

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

Occupied Bandwidth	77.3603 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	105.854 kHz		
x dB Bandwidth	80.546 MHz		

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More

1 of 2

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	77.42	80.48	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 3.51000 GHz and a span of 160 MHz. The vertical axis is labeled 'dB/Offst' with a value of 12.6 dB. The horizontal axis is labeled 'MHz' with a value of 3.51000 GHz. The plot shows a signal with a peak at 3.51000 GHz and a bandwidth of 77.4190 MHz. The signal is measured at a reference level of 30 dBm and an attenuation of 30 dB. The signal is identified as 'Ext Ref'.

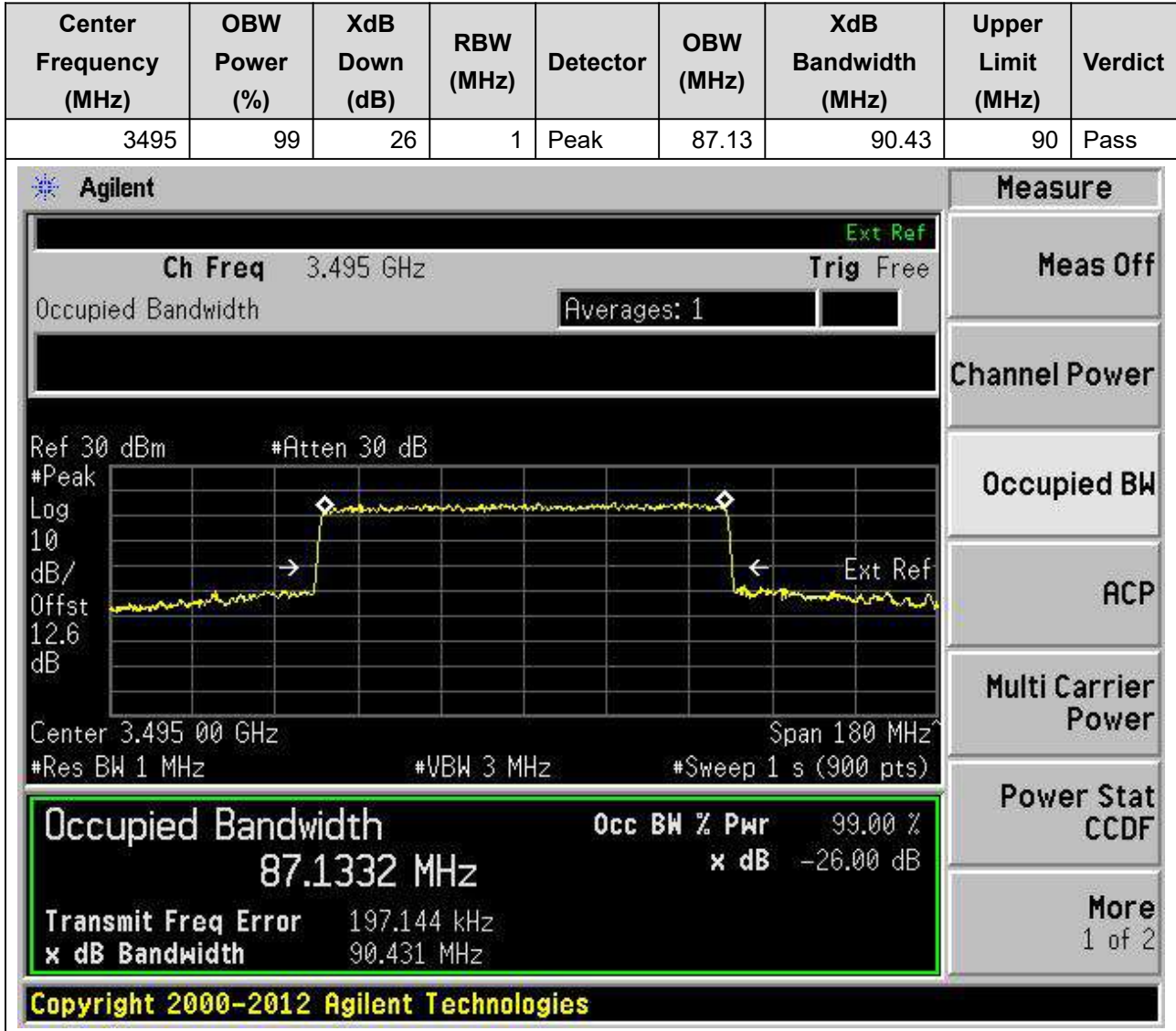
The measurement results are displayed in a table at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
77.4190 MHz	x dB	-26.00 dB
Transmit Freq Error	88.579 kHz	
x dB Bandwidth	80.484 MHz	

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

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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)



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	87.2	90.69	90	Pass

Agilent

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.7 dB

Center 3.499 98 GHz Span 180 MHz

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

Occupied Bandwidth 87.2020 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 142.728 kHz

x dB Bandwidth 90.692 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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	87.22	90.76	90	Pass

Agilent
Measure

Ch Freq 3.50499 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.504 99 GHz Span 180 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (900 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
87.2172 MHz	x dB	-26.00 dB
Transmit Freq Error	151.710 kHz	
x dB Bandwidth	90.758 MHz	

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More
1 of 2

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	97.04	100.66	100	Pass

Agilent

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.7 dB

Center 3.499 98 GHz Span 200 MHz

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

Occupied Bandwidth 97.0355 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 219.333 kHz
x dB Bandwidth 100.658 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

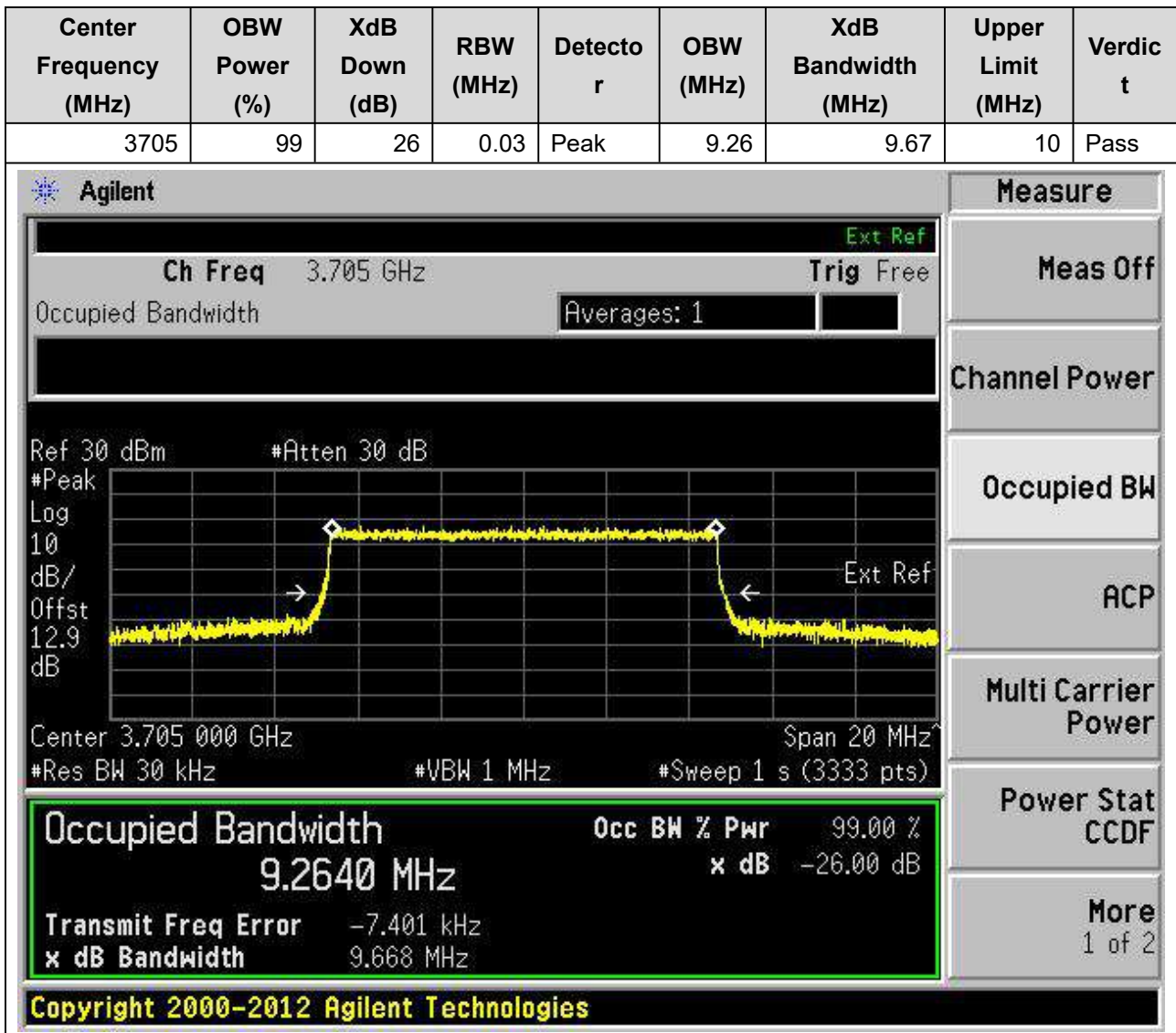
Multi Carrier Power

Power Stat CCDF

More 1 of 2

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	9.26	9.73	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 3.840 GHz with a span of 20 MHz. The signal level is approximately 0 dBm, and the noise floor is around -13.2 dBm. The occupied bandwidth is measured as 9.2604 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -8.319 kHz, and the XdB bandwidth is 9.726 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 %
9.2604 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.319 kHz	
x dB Bandwidth	9.726 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	9.25	9.71	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 measured as 9.2530 MHz, which is 99.00% of the total power. The XdB down is -26.00 dB. The transmit frequency error is -8.517 kHz, and the XdB bandwidth is 9.715 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 %
9.2530 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.517 kHz	
x dB Bandwidth	9.715 MHz	

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	14.49	15	Pass

Occupied Bandwidth 14.0820 MHz

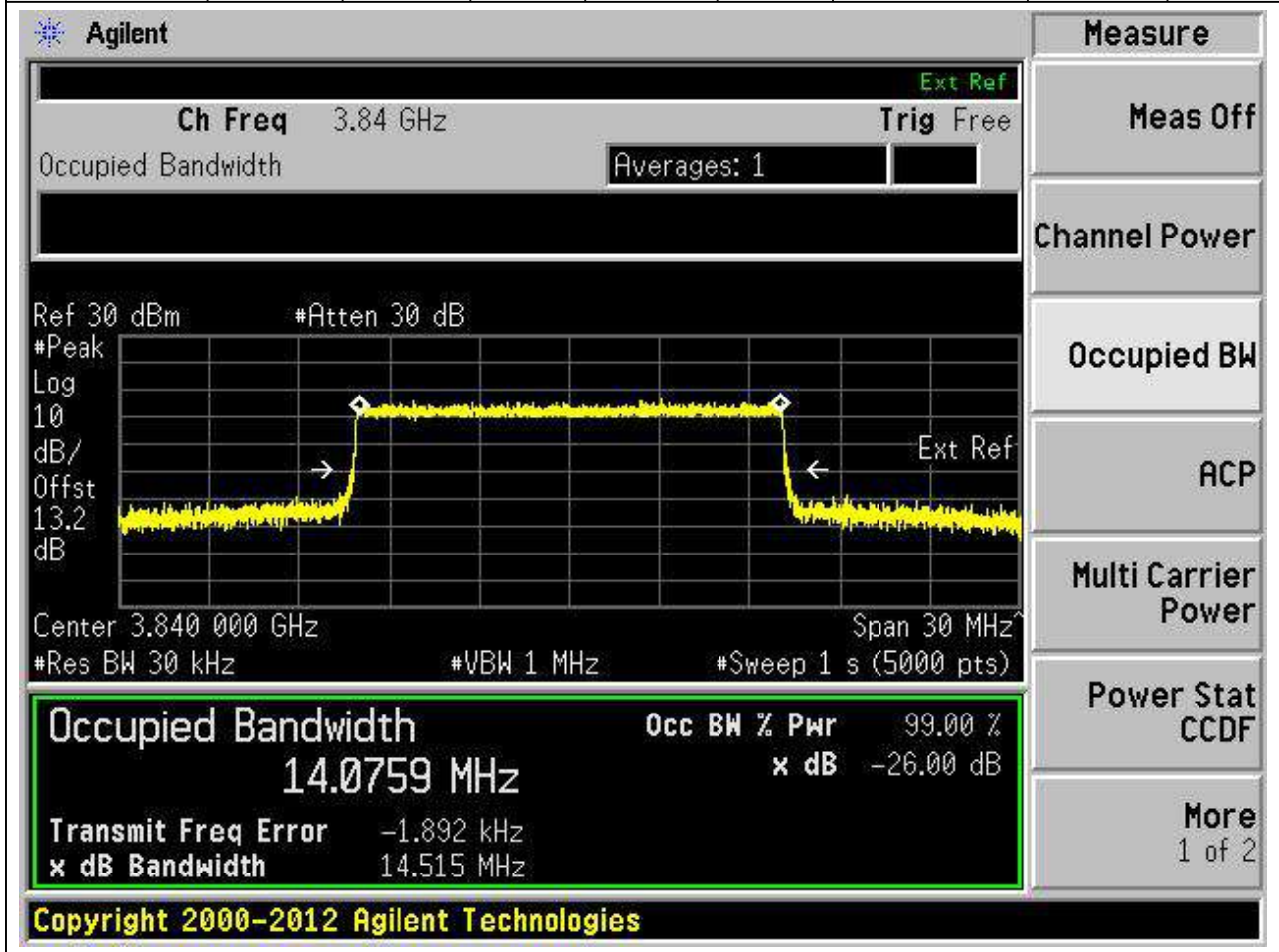
Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -6.798 kHz
x dB Bandwidth 14.490 MHz

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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	14.08	14.51	15	Pass



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	14.07	14.48	15	Pass

Agilent

Ch Freq 3.97248 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13.1 dB

Center 3.972 480 GHz Span 30 MHz

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

Occupied Bandwidth 14.0687 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -4.098 kHz

x dB Bandwidth 14.485 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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 spectrum plot with a yellow signal trace. The plot is set to a center frequency of 3.710 010 GHz and a span of 40 MHz. The signal level is approximately 12.9 dB. The occupied bandwidth is measured as 18.8711 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -3.692 kHz, and the x dB bandwidth is 19.499 MHz. The interface includes various measurement buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8711 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.692 kHz
x dB Bandwidth		19.499 MHz

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	18.88	19.44	20	Pass

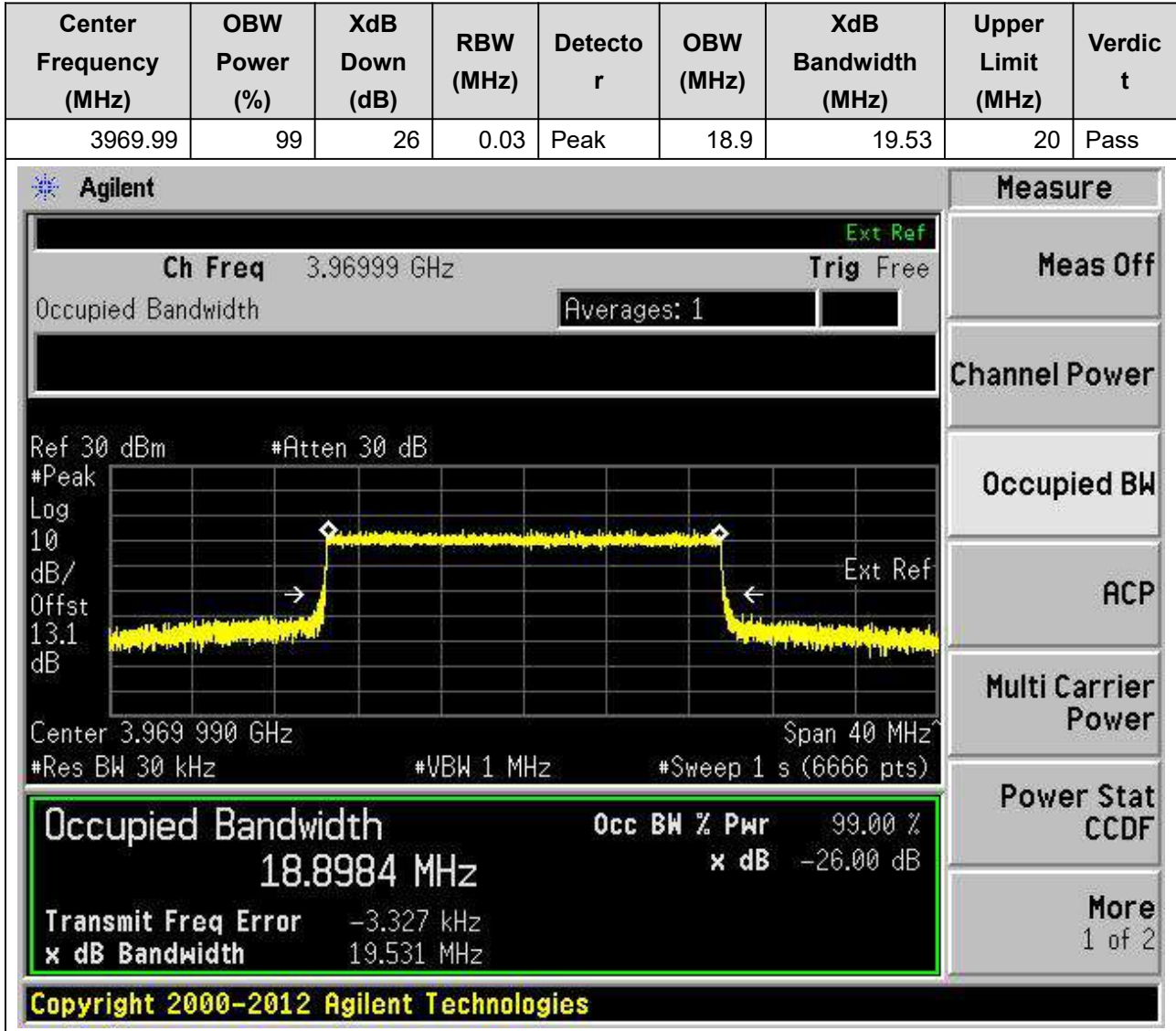
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The 'Occupied Bandwidth' measurement is highlighted in a green box. The results are as follows:

Measurement	Value
Occupied Bandwidth	18.8784 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.057 kHz
x dB Bandwidth	19.443 MHz

Additional parameters shown in the interface include: Ch Freq 3.84 GHz, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 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).

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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)



29.13. 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	38.73	41.16	40	Pass

Agilent

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

Ch Freq 3.72 GHz
Ext Ref Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.720 0 GHz Span 80 MHz

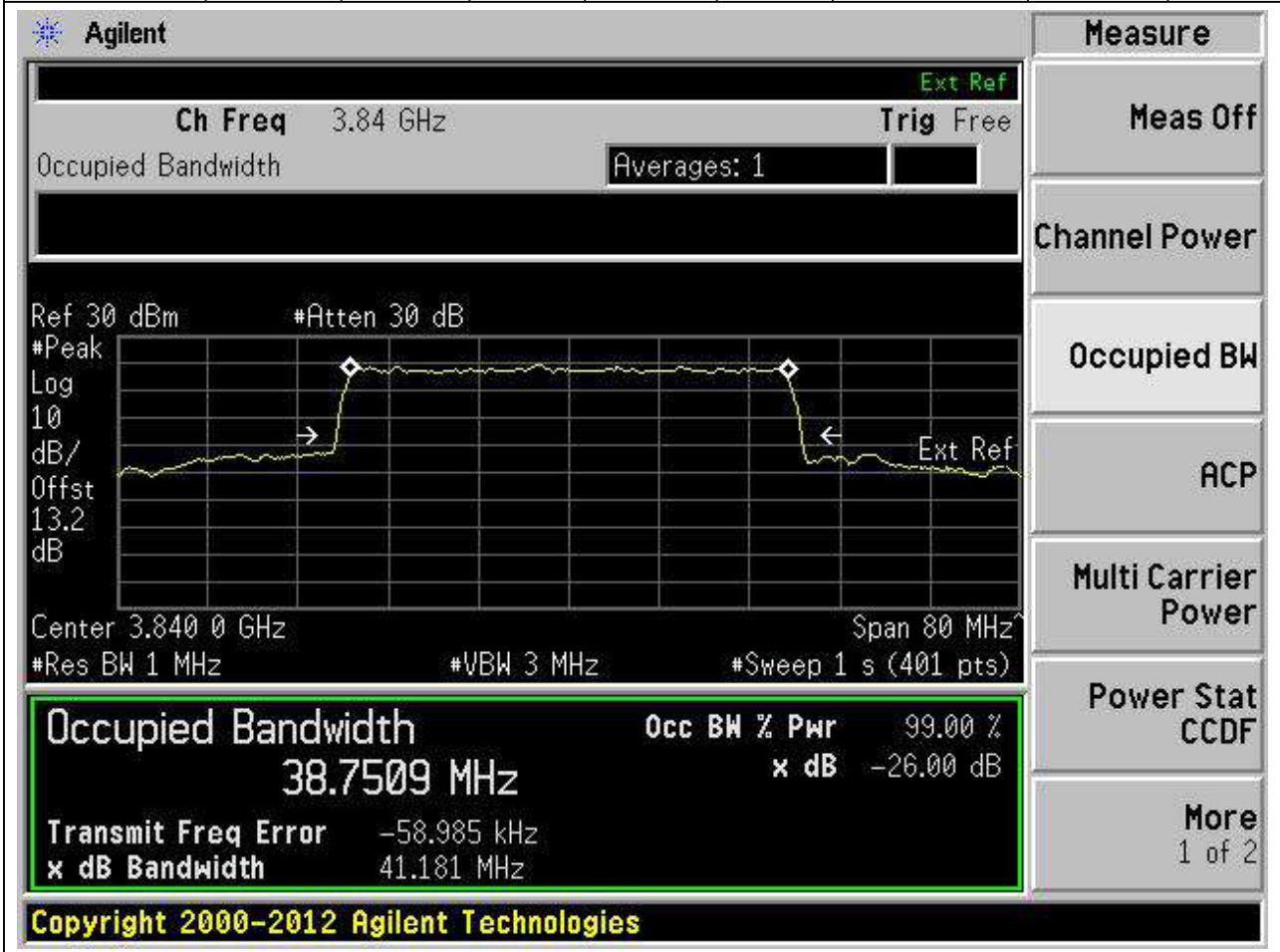
#Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.7322 MHz	x dB -26.00 dB
Transmit Freq Error	-57.853 kHz
x dB Bandwidth	41.161 MHz

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29.14. 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	38.75	41.18	40	Pass



29.15. 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	38.75	41.12	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.96 GHz. The measurement results are summarized in a table at the bottom of the screen:

Measurement	Value
Occupied Bandwidth	38.7519 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-56.872 kHz
x dB Bandwidth	41.122 MHz

Additional parameters shown in the interface include: Ch Freq 3.96 GHz, Res BW 1 MHz, VBW 3 MHz, Span 80 MHz, Sweep 1 s (401 pts), and a reference level of 30 dBm with 30 dB attenuation. The 'Occupied BW' measurement is highlighted with a green border.

29.16. 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	48.21	50.89	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 3.72501 GHz with a span of 100 MHz. The y-axis is labeled 'dB/Offst' and has a peak marker at 12.9 dB. The plot shows a signal with a bandwidth of 48.2128 MHz and a power level of 99.00%. The x-axis is labeled 'Span 100 MHz' and the y-axis is labeled 'Log 10 dB/Offst 12.9 dB'. The plot also shows 'Ref 30 dBm' and '#Atten 30 dB'. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 48.2128 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -28.397 kHz and the 'x dB Bandwidth' is 50.890 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2128 MHz	99.00 %	-26.00 dB

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29.17. 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	48.25	50.92	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 3.84 GHz and a span of 100 MHz. The vertical axis is labeled 'dB/Offst' with a reference level of 30 dB and an attenuation of 30 dB. The horizontal axis is labeled 'MHz'.

Key measurement data is shown in a green-bordered box at the bottom of the plot area:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
48.2536 MHz	x dB	-26.00 dB
Transmit Freq Error		-30.387 kHz
x dB Bandwidth		50.923 MHz

Additional parameters shown include: Ch Freq 3.84 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (500 pts), Span 100 MHz, and Ext Ref.

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

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29.18. 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	48.21	50.87	50	Pass

Agilent

Ch Freq 3.95499 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13.2 dB

Center 3.954 99 GHz Span 100 MHz

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

Occupied Bandwidth 48.2072 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth 50.874 MHz

x dB -26.00 dB

Transmit Freq Error -35.555 kHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

29.19. 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	57.71	60.67	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 measured as 57.7083 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -190.259 Hz, and the XdB bandwidth is 60.672 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 %
57.7083 MHz	x dB	-26.00 dB
Transmit Freq Error	-190.259 Hz	
x dB Bandwidth	60.672 MHz	

29.20. 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	57.82	60.76	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.84 GHz, and the span is 120 MHz. The occupied bandwidth is measured as 57.8241 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 11.807 kHz, and the XdB bandwidth is 60.759 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 %
57.8241 MHz	x dB	-26.00 dB
Transmit Freq Error	11.807 kHz	
x dB Bandwidth	60.759 MHz	

29.21. 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	60.75	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.94998 GHz, and the span is 120 MHz. The occupied bandwidth is measured as 57.7131 MHz, which is 99.00% of the 60 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -44.540 kHz. The XdB bandwidth is 60.753 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 %
57.7131 MHz	x dB	-26.00 dB
Transmit Freq Error		-44.540 kHz
x dB Bandwidth		60.753 MHz

29.22. 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	77.43	80.62	80	Pass

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

Measurement	Value
Occupied Bandwidth	77.4297 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	32.683 kHz
x dB Bandwidth	80.619 MHz

Additional parameters shown in the interface include: Ch Freq 3.74001 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 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).

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29.23. 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	77.39	80.6	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 measurement results are as follows:

Measurement	Value
Occupied Bandwidth	77.3892 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	38.073 kHz
x dB Bandwidth	80.601 MHz

Additional parameters shown in the interface include: Ch Freq 3.84 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (800 pts), and a reference level of 30 dBm with 30 dB attenuation. The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

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29.24. 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	77.26	80.57	80	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 3.93999 GHz with a span of 160 MHz. The vertical axis is labeled 'dB/Offst' with a value of 13.3 dB. The horizontal axis is labeled 'MHz' with a value of 77.2642 MHz. The plot shows a signal with a peak at 77.2642 MHz and a bandwidth of 80.574 MHz. The signal is measured at a reference level of 30 dBm and an attenuation of 30 dB. The measurement results are summarized in the bottom section of the screen:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
77.2642 MHz	x dB	-26.00 dB
Transmit Freq Error	21.438 kHz	
x dB Bandwidth	80.574 MHz	

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29.25. 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	87.37	90.76	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.74502 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.3747 MHz, which is 99.00% of the 90 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 100.519 kHz, and the x dB bandwidth is 90.758 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 %
87.3747 MHz	x dB	-26.00 dB
Transmit Freq Error	100.519 kHz	
x dB Bandwidth	90.758 MHz	

29.26. 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	87.33	90.65	90	Pass

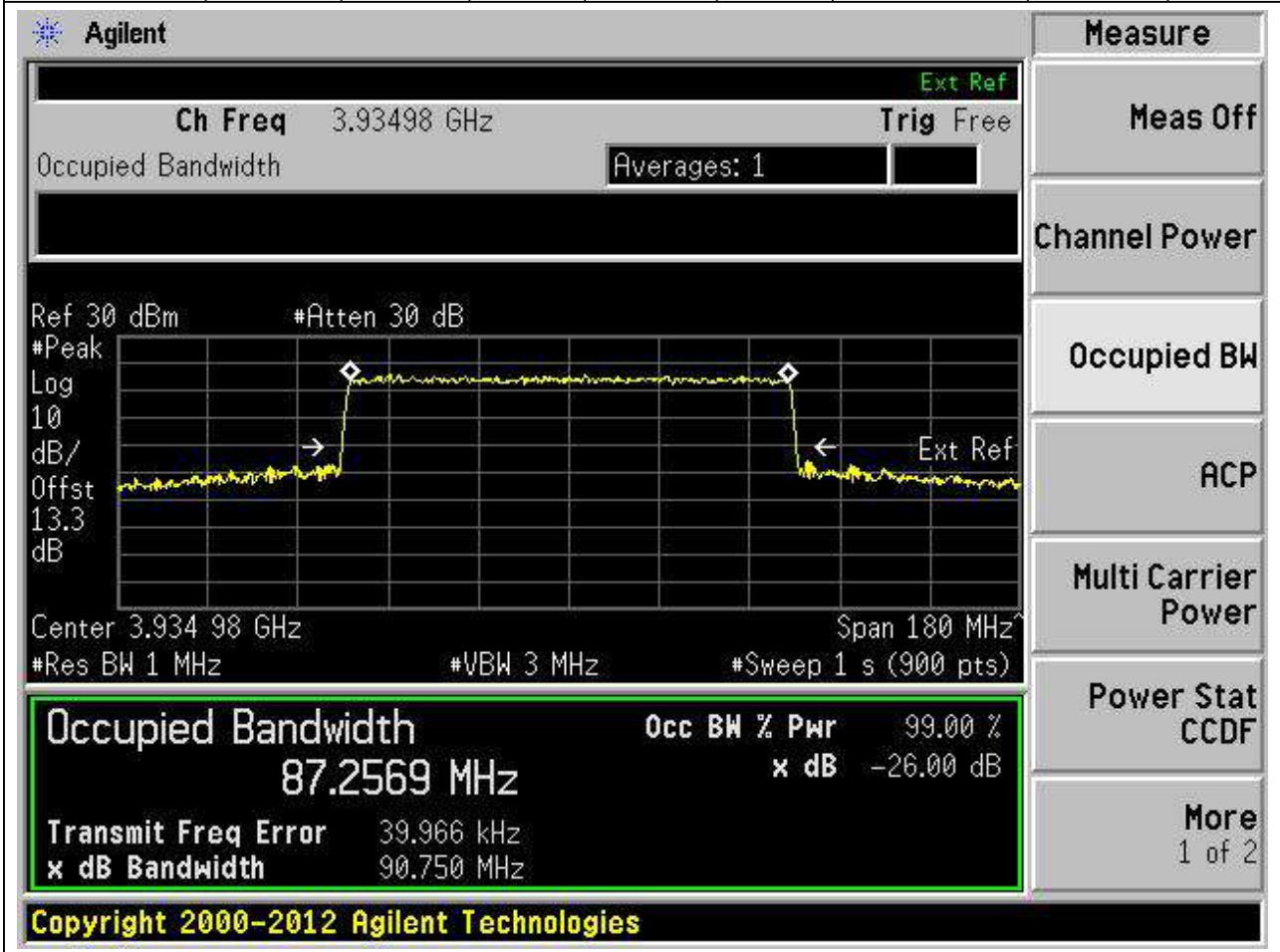
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 3.840 GHz with a span of 180 MHz. The vertical axis is labeled 'dB/Offst' with a reference level of 30 dB and an offset of 13.2 dB. The horizontal axis is labeled 'MHz' with a resolution bandwidth of 1 MHz and a video bandwidth of 3 MHz. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 87.3269 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 90.628 kHz and the 'x dB Bandwidth' is 90.649 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
87.3269 MHz	99.00 %	-26.00 dB

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29.27. 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	87.26	90.75	90	Pass



29.28. 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	97.16	100.75	100	Pass

Agilent

Ch Freq 3.75 GHz

Occupied Bandwidth

Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13 dB

Center 3.750 00 GHz Span 200 MHz

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

Occupied Bandwidth 97.1551 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 137.073 kHz

x dB Bandwidth 100.751 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

29.29. 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	97.2	100.78	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.84 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.1975 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 127.226 kHz, and the x dB bandwidth is 100.783 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 %
97.1975 MHz	x dB	-26.00 dB
Transmit Freq Error	127.226 kHz	
x dB Bandwidth	100.783 MHz	

29.30. 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	97.17	100.77	100	Pass

Agilent

Ext Ref

Ch Freq 3.93 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

13.3

dB

Center 3.930 00 GHz Span 200 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
97.1703 MHz	x dB	-26.00 dB
Transmit Freq Error	109.425 kHz	
x dB Bandwidth	100.767 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3705	99	26	0.03	Peak	9.26	9.7	10	Pass

Occupied Bandwidth 9.2623 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -9.384 kHz
x dB Bandwidth 9.702 MHz

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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 spectrum plot with a yellow signal trace. The plot is centered at 3.750 GHz with a span of 20 MHz. The signal level is approximately 10 dBm. The measurement results are summarized in the bottom section:

Measurement	Value
Occupied Bandwidth	9.2590 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.435 kHz
x dB Bandwidth	9.699 MHz

Additional parameters shown 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 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 1 s (3333 pts).

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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	9.7	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.795 GHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2641 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -8.568 kHz and the XdB bandwidth is 9.698 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2641 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.568 kHz	
x dB Bandwidth	9.698 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	14.48	15	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	14.0784 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-7.586 kHz
x dB Bandwidth	14.477 MHz

Additional parameters shown in the interface include: Ch Freq 3.70752 GHz, Span 30 MHz, Res BW 30 kHz, VBW 1 MHz, Sweep 1 s (5000 pts), and a reference level of 30 dBm with 30 dB attenuation. The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

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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	14.07	14.49	15	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	14.0733 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-6.834 kHz
x dB Bandwidth	14.486 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Res BW 30 kHz, Span 30 MHz, and a 'Measure' menu on the right with options like Meas Off, Channel Power, and Occupied BW.

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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	14.07	14.51	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 3.79248 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0701 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -8.558 kHz, and the XdB bandwidth is 14.508 MHz. The interface includes various measurement buttons on the right side, such as Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More. The bottom of the screen shows the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0701 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.558 kHz	
x dB Bandwidth	14.508 MHz	

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	18.88	19.5	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.71001 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8825 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -9.792 kHz, and the x dB bandwidth is 19.497 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 %
18.8825 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.792 kHz	
x dB Bandwidth	19.497 MHz	

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	18.88	19.44	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 3.750 000 GHz with a span of 40 MHz. The signal level is approximately 13 dB. The measurement results are summarized in the bottom section:

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8772 MHz	99.00 %	-26.00 dB

Additional parameters shown include: Transmit Freq Error: -6.004 kHz, x dB Bandwidth: 19.440 MHz, and a copyright notice for Agilent Technologies from 2000-2012.

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	19.46	20	Pass

Agilent
Measure

Ch Freq 3.78999 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Trig Free

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log

10

dB/

Offst

13

dB

Center 3.789 990 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.8818 MHz
x dB -26.00 dB

Transmit Freq Error -772.728 Hz

x dB Bandwidth 19.456 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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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	28.91	31.1	30	Pass

Agilent

Ext Ref

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)

Occupied Bandwidth **Occ BW % Pwr** 99.00 %

28.9117 MHz **x dB** -26.00 dB

Transmit Freq Error -30.269 kHz

x dB Bandwidth 31.101 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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	28.91	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 dB/Offst dB' with values 10, 13, and dB. The x-axis is labeled 'Center 3.750 00 GHz' and 'Span 60 MHz'. The plot shows a signal with a peak at approximately 3.75 GHz. The measurement results are displayed in a green-bordered box at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.9097 MHz	x dB	-26.00 dB
Transmit Freq Error		-38.857 kHz
x dB Bandwidth		31.104 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (401 pts), and Ext Ref. The right-hand side of the screen features a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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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	28.9	31.08	30	Pass

Agilent
Measure

Ch Freq 3.78498 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Peak Log 10 dB/Offst 12.9 dB
#Atten 30 dB
Ext Ref

Center 3.784 98 GHz #Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz #Sweep 1 s (401 pts)

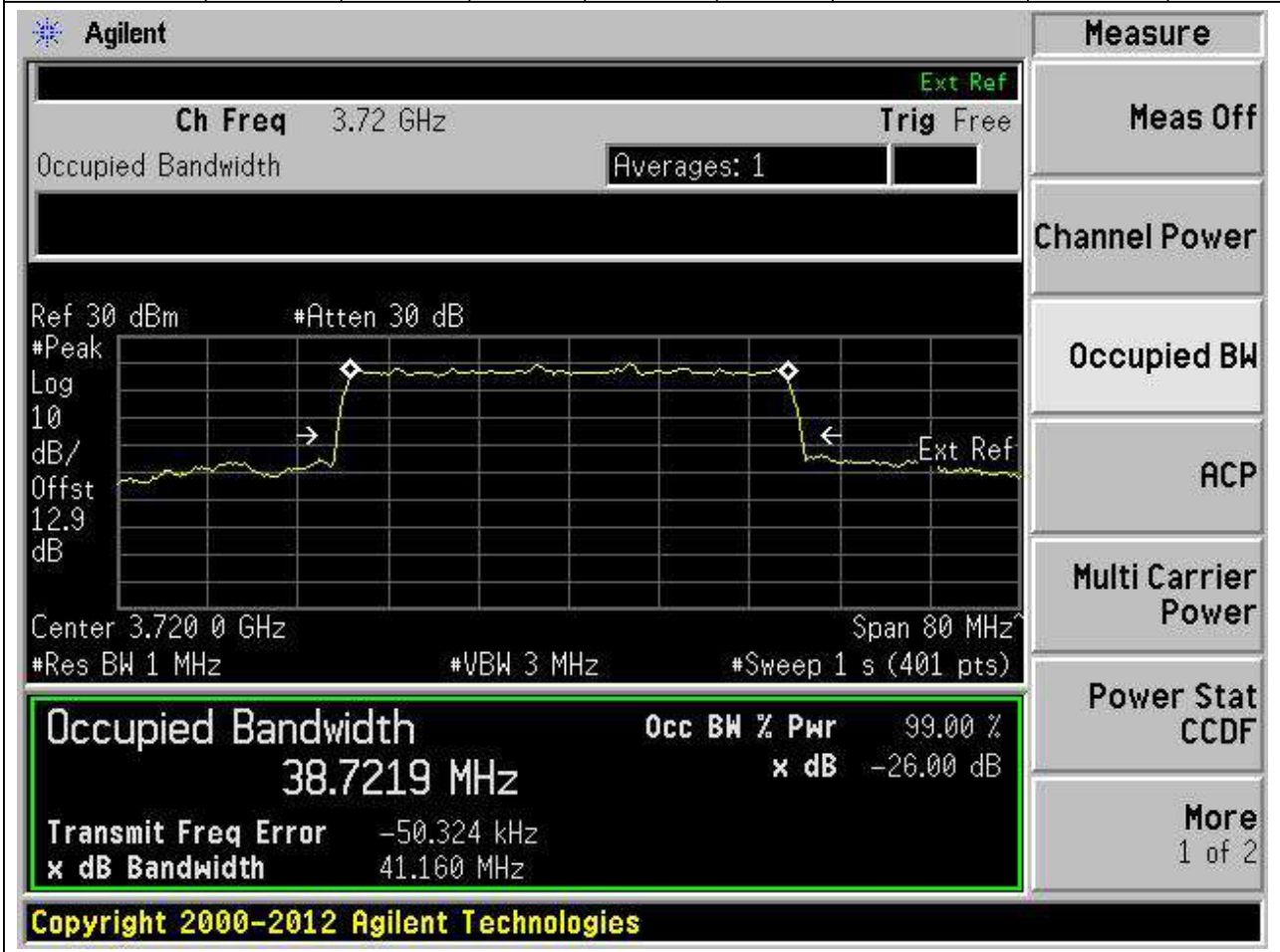
Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.9032 MHz	x dB -26.00 dB
Transmit Freq Error -22.521 kHz	
x dB Bandwidth 31.081 MHz	

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More
1 of 2

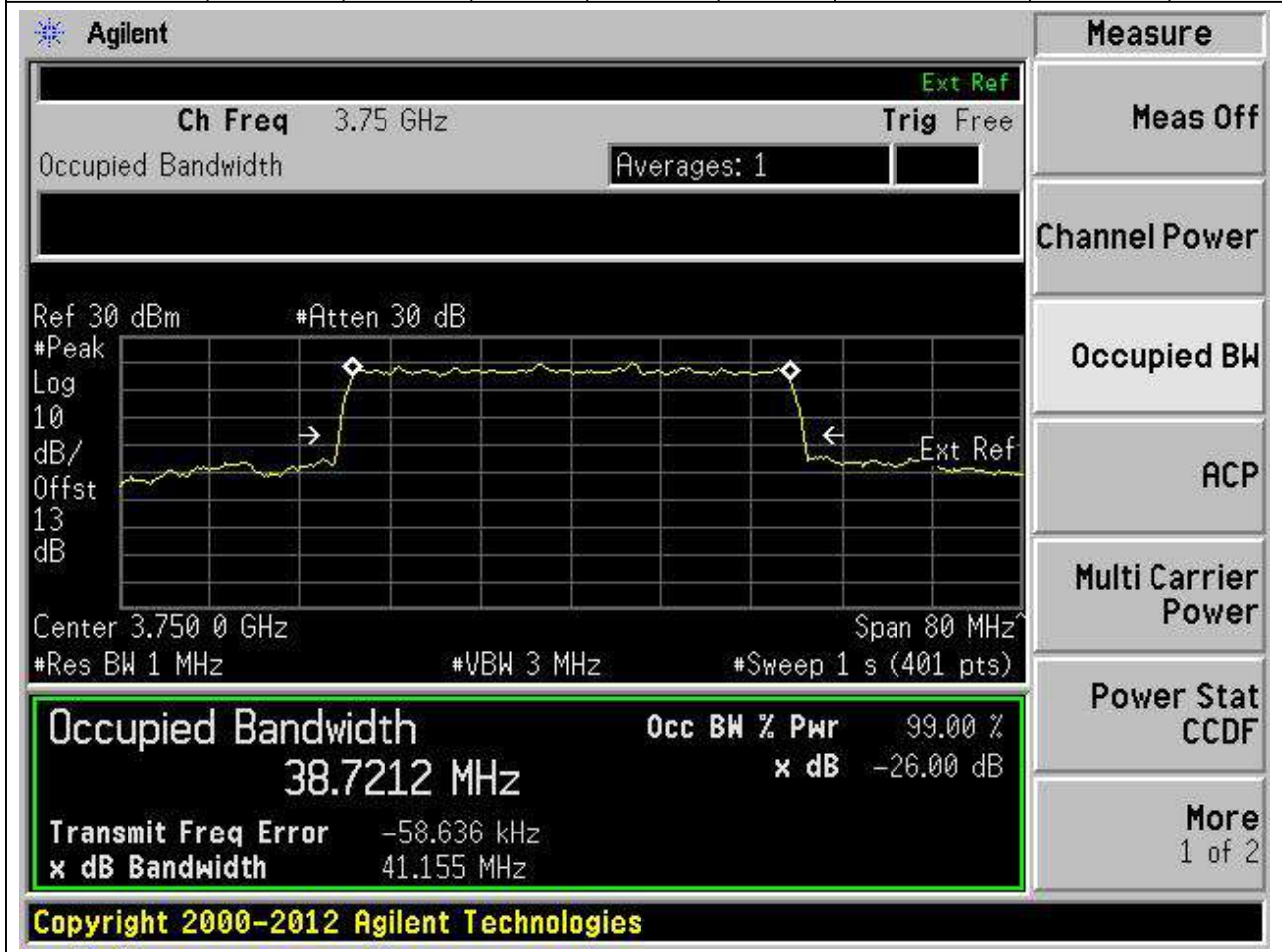
30.13. Occupied Bandwidth for SA(NTNV)(Channel:648000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

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	38.72	41.16	40	Pass



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	38.72	41.15	40	Pass



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	38.74	41.17	40	Pass

Agilent
Measure

Ch Freq 3.78 GHz
Trig Free

Occupied Bandwidth Averages: 1

Center 3.780 0 GHz
Span 80 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

38.7383 MHz
x dB -26.00 dB

Transmit Freq Error -34.058 kHz

x dB Bandwidth 41.173 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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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	48.23	50.92	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 3.72501 GHz and a span of 100 MHz. The vertical axis is labeled 'dB/Offst' with a value of 12.9 dB. The horizontal axis is labeled 'Span 100 MHz'. The plot shows a signal with a peak at approximately 3.72501 GHz. The 'Occupied Bandwidth' is measured as 48.2321 MHz, and the 'Occ BW % Pwr' is 99.00%. The 'x dB Bandwidth' is -26.00 dB. The 'Transmit Freq Error' is -20.091 kHz. The 'x dB Bandwidth' is 50.920 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2321 MHz	99.00 %	-26.00 dB

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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	48.24	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 3.75 GHz, and the span is 100 MHz. The occupied bandwidth is highlighted as 48.2416 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -8.653 kHz. The XdB bandwidth is 50.943 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 notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
48.2416 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.653 kHz	
x dB Bandwidth	50.943 MHz	

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	48.23	50.92	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 3.77499 GHz with a span of 100 MHz. The vertical axis is labeled 'dB/Offst' with a value of 12.9 dB. The horizontal axis is labeled 'Span 100 MHz'. The plot shows a signal with a peak at approximately 3.77499 GHz. The 'Occupied Bandwidth' is measured as 48.2251 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -13.172 kHz and the 'x dB Bandwidth' is 50.922 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
48.2251 MHz	99.00 %	-26.00 dB

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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	57.71	60.68	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.73002 GHz. The measurement results are summarized in the bottom section:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
57.7141 MHz	x dB	-26.00 dB
Transmit Freq Error	18.524 kHz	
x dB Bandwidth	60.681 MHz	

Additional parameters shown in the interface include: Ch Freq 3.73002 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 13 dB, Center 3.730 02 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (600 pts).

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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	57.79	60.79	60	Pass

Agilent
Measure

Ch Freq 3.75 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.750 00 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	36.831 kHz	
x dB Bandwidth	60.790 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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	57.74	60.77	60	Pass

Agilent

Ext Ref
Measure

Ch Freq 3.76998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

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 %

57.7433 MHz x dB -26.00 dB

Transmit Freq Error 30.976 kHz

x dB Bandwidth 60.775 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: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	67.42	71.01	70	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 a 'Ref 30 dBm' and '#Atten 30 dB'. The y-axis is labeled 'dB/Offst' with values 10, 13, and dB. The x-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 highlighted in a green box at the bottom of the screen, showing a value of 67.4159 MHz. Other parameters shown include 'Occ BW % Pwr 99.00 %' and 'x dB -26.00 dB'. The 'Transmit Freq Error' is 11.699 kHz and the 'x dB Bandwidth' is 71.010 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 screenshot reads 'Copyright 2000-2012 Agilent Technologies'.

30.23. 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	67.62	71.09	70	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.765 GHz, and the span is 140 MHz. The occupied bandwidth is measured as 67.6163 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -42.799 kHz, and the XdB bandwidth is 71.093 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 %
67.6163 MHz	x dB	-26.00 dB
Transmit Freq Error	-42.799 kHz	
x dB Bandwidth	71.093 MHz	

30.24. 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	67.34	71.07	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 67.3389 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -14.311 kHz, and the XdB bandwidth is 71.067 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 %
67.3389 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.311 kHz	
x dB Bandwidth	71.067 MHz	

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	77.4	80.49	80	Pass

Agilent
Measure

Ch Freq 3.74001 GHz
Ext Ref

Occupied Bandwidth
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)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
77.3977 MHz	x dB	-26.00 dB
Transmit Freq Error	56.414 kHz	
x dB Bandwidth	80.488 MHz	

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

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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	77.31	80.61	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	77.3108 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	59.210 kHz
x dB Bandwidth	80.607 MHz

Additional parameters shown in the interface include: Ch Freq 3.75 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 1 s (800 pts), and a 'More 1 of 2' option.

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	77.37	80.59	80	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 3.75999 GHz with a span of 160 MHz. The y-axis is labeled 'Log dB/Offst' with a scale of 10 dB. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 77.3735 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 29.512 kHz and the 'x dB Bandwidth' is 80.590 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 displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
77.3735 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 29.512 kHz
x dB Bandwidth: 80.590 MHz

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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	87.29	90.69	90	Pass

Agilent
Measure

Ch Freq 3.74502 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.745 02 GHz Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
87.2915 MHz	x dB	-26.00 dB
Transmit Freq Error	79.869 kHz	
x dB Bandwidth	90.686 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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	87.29	90.76	90	Pass

Agilent
Measure

Ch Freq 3.75 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Occupied Bandwidth
87.2886 MHz

Transmit Freq Error 130.071 kHz
x dB Bandwidth 90.760 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

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More
1 of 2

30.30. Occupied Bandwidth for SA(NTNV)(Channel:650332, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3754.98	99	26	1	Peak	87.31	90.92	90	Pass

Agilent

Ext Ref

Ch Freq 3.75498 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

13

dB

Center 3.754 98 GHz Span 180 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
87.3088 MHz	x dB	-26.00 dB
Transmit Freq Error	80.913 kHz	
x dB Bandwidth	90.919 MHz	

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30.31. 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	97.15	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 3.75 GHz, and the span is 200 MHz. The occupied bandwidth is measured as 97.1515 MHz, which is 99.00% of the 100 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 148.481 kHz, and the XdB bandwidth is 100.741 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 notice: 'Copyright 2000-2012 Agilent Technologies'.

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