

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3710.01	99	26	0.03	Peak	18.19	19.08	20	Pass

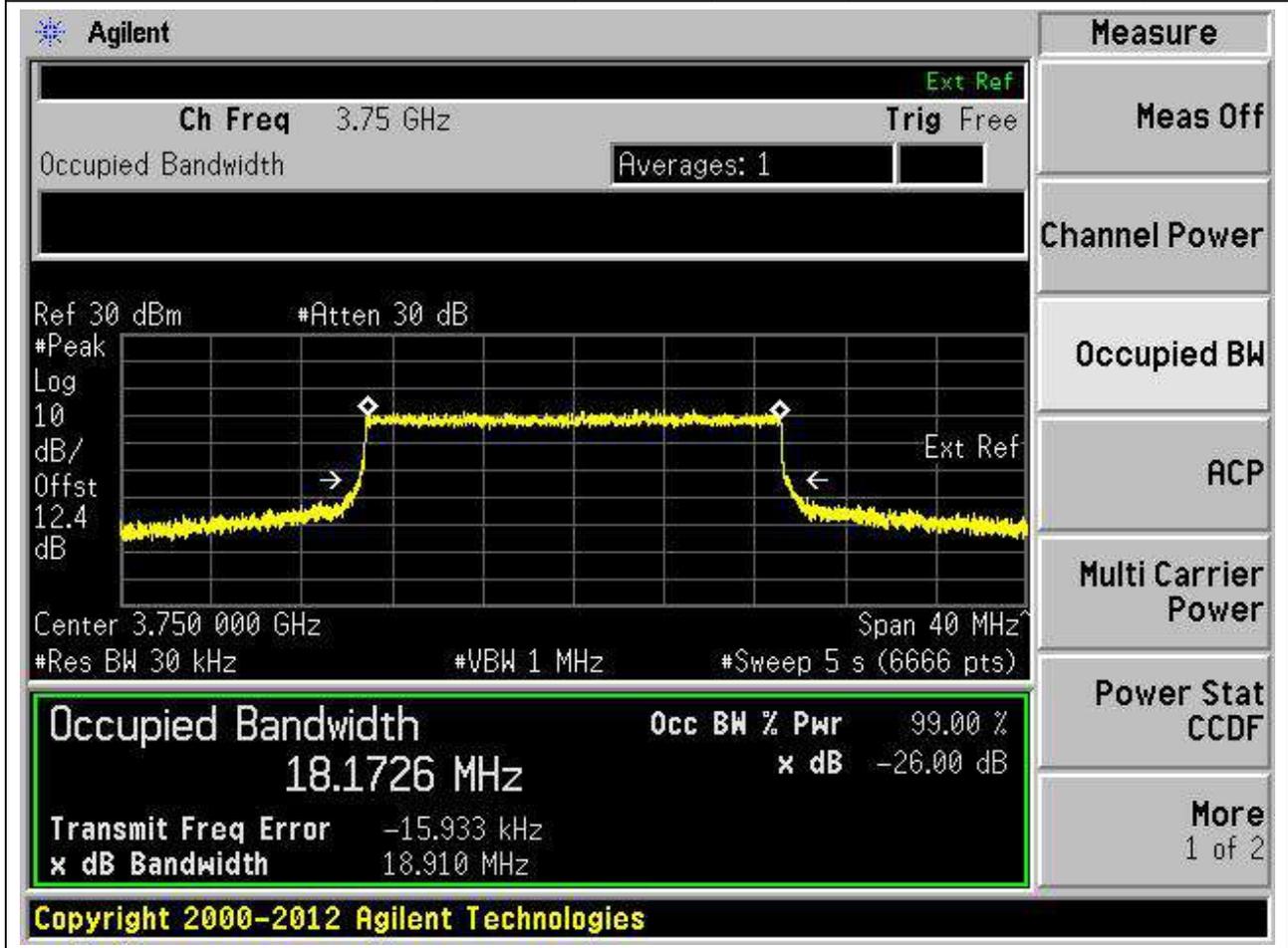
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 3.71001 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
18.1896 MHz		x dB	-26.00 dB
Transmit Freq Error	-17.205 kHz		
x dB Bandwidth	19.076 MHz		

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	0.03	Peak	18.17	18.91	20	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3789.99	99	26	0.03	Peak	18.16	18.97	20	Pass

Agilent
Measure

Ch Freq 3.78999 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

12.6

dB

Ext Ref

Center 3.789 990 GHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz

#Sweep 5 s (6666 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

18.1644 MHz x dB -26.00 dB

Transmit Freq Error -16.607 kHz

x dB Bandwidth 18.965 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3710.01	99	26	0.03	Peak	18.18	18.97	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 3.71001 GHz with a span of 40 MHz. The signal level is approximately 18.18 dBm. The occupied bandwidth is measured as 18.1779 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The plot also shows the transmit frequency error as -15.587 kHz and the XdB bandwidth as 18.975 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	18.1779 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-15.587 kHz
x dB Bandwidth	18.975 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	0.03	Peak	18.16	19.08	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 3.75 GHz with a 40 MHz span. The y-axis is labeled 'dB/Offst' and ranges from 10 to 12.4 dB. 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 18.1645 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -16.447 kHz and the 'x dB Bandwidth' is 19.080 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.1645 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -16.447 kHz
x dB Bandwidth: 19.080 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3789.99	99	26	0.03	Peak	18.16	19.1	20	Pass

Agilent
Measure

Ch Freq 3.78999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

12.6

dB

Center 3.789 990 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.1628 MHz
x dB -26.00 dB

Transmit Freq Error -13.563 kHz

x dB Bandwidth 19.102 MHz

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3710.01	99	26	0.03	Peak	18.18	18.94	20	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	18.1834 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.753 kHz
x dB Bandwidth	18.941 MHz

Additional parameters shown in the interface include: Ch Freq 3.71001 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.2 dB, Center 3.710 010 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	0.03	Peak	18.18	19.15	20	Pass

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

Measurement	Value
Occupied Bandwidth	18.1818 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-6.732 kHz
x dB Bandwidth	19.154 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 12.4 dB, Center 3.750 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3789.99	99	26	0.03	Peak	18.16	18.91	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 3.789990 GHz with a span of 40 MHz. The signal level is approximately -26 dB. The occupied bandwidth is measured as 18.1631 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -21.637 kHz and the XdB bandwidth is 18.907 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	18.1631 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-21.637 kHz
x dB Bandwidth	18.907 MHz

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2.1. Occupied Bandwidth for SA_Part22-24-27(Channel:647500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3712.5	99	26	1	Peak	23.52	26.23	25	Pass

Agilent

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

Ch Freq 3.7125 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.712 500 GHz Span 50 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
23.5179 MHz	x dB	-26.00 dB
Transmit Freq Error	16.174 kHz	
x dB Bandwidth	26.226 MHz	

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2.2. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, 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	23.52	26.21	25	Pass

Agilent
Measure

Ch Freq 3.75 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 dB

Center 3.750 000 GHz Span 50 MHz

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

Occupied Bandwidth

23.5191 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 5.068 kHz

x dB Bandwidth 26.213 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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2.3. Occupied Bandwidth for SA_Part22-24-27(Channel:652500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3787.5	99	26	1	Peak	23.52	26.17	25	Pass

Agilent
Measure

Ch Freq 3.7875 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

23.5179 MHz

Transmit Freq Error -13.764 kHz

x dB Bandwidth 26.165 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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2.4. Occupied Bandwidth for SA_Part22-24-27(Channel:647500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3712.5	99	26	1	Peak	23.64	26.28	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The y-axis is labeled 'Log 10 dB/Offst 12.2 dB' and the x-axis is labeled 'Center 3.712 500 GHz' and 'Span 50 MHz'. The signal level is approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 23.6375 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -29.673 kHz and the 'x dB Bandwidth' is 26.278 MHz. The interface also shows various measurement settings such as 'Ch Freq 3.7125 GHz', 'Trig Free', 'Averages: 1', and 'Ref 30 dBm #Atten 30 dB'. 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'.

2.5. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, 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	23.62	26.23	25	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 23.6188 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -27.558 kHz and the 'x dB Bandwidth' is 26.230 MHz. The interface also shows various settings like 'Ch Freq 3.75 GHz', 'Trig Free', 'Averages: 1', 'Ref 30 dBm', '#Atten 30 dB', 'Center 3.750 000 GHz', 'Span 50 MHz', '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 5 s (401 pts)'. A vertical menu on the right side includes options like 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

2.6. Occupied Bandwidth for SA_Part22-24-27(Channel:652500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3787.5	99	26	1	Peak	23.63	26.28	25	Pass

Agilent
Measure

Ch Freq 3.7875 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.787 500 GHz Span 50 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
23.6276 MHz	x dB -26.00 dB
Transmit Freq Error	-42.446 kHz
x dB Bandwidth	26.279 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

2.7. Occupied Bandwidth for SA_Part22-24-27(Channel:647500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3712.5	99	26	1	Peak	23.6	26.18	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.7125 GHz, and the span is 50 MHz. The occupied bandwidth is measured as 23.6031 MHz, which is 99.00% of the 25 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -40.721 kHz, and the XdB bandwidth is 26.180 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	23.6031 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-40.721 kHz
x dB Bandwidth	26.180 MHz

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2.8. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, 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	23.61	26.22	25	Pass

Agilent

Measure

Ch Freq 3.75 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.4
dB

Center 3.750 000 GHz
Span 50 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
23.6091 MHz	x dB -26.00 dB
Transmit Freq Error	-57.887 kHz
x dB Bandwidth	26.220 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

2.9. Occupied Bandwidth for SA_Part22-24-27(Channel:652500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3787.5	99	26	1	Peak	23.61	26.26	25	Pass

Agilent
Measure

Ch Freq 3.7875 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 12.5 dB

Center 3.787 500 GHz
Span 50 MHz

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

Occupied Bandwidth	23.6119 MHz	Occ BW % Pwr 99.00 %
		x dB -26.00 dB
Transmit Freq Error	-77.586 kHz	
x dB Bandwidth	26.257 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

2.10. Occupied Bandwidth for SA_Part22-24-27(Channel:647500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3712.5	99	26	1	Peak	23.68	26.35	25	Pass

Agilent
Measure

Ch Freq 3.7125 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Peak
Log 10 dB/Offst 12.2 dB

Center 3.712500 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

23.6827 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 22.569 kHz

x dB Bandwidth 26.353 MHz

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2.11. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, 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	23.65	26.29	25	Pass

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

Measurement	Value
Occupied Bandwidth	23.6508 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	25.579 kHz
x dB Bandwidth	26.289 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 12.4 dB, Center 3.750 000 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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2.12. Occupied Bandwidth for SA_Part22-24-27(Channel:652500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3787.5	99	26	1	Peak	23.67	26.17	25	Pass

Agilent
Measure

Ch Freq 3.7875 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.787 500 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
23.6672 MHz	x dB -26.00 dB
Transmit Freq Error	-5.211 kHz
x dB Bandwidth	26.174 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.2	31.04	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.71502 GHz. The Occupied Bandwidth is measured as 28.1970 MHz, which is 99.00% of the 30 MHz channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is 40.043 kHz, and the x dB bandwidth is 31.043 MHz. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	28.1970 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	40.043 kHz
x dB Bandwidth	31.043 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.19	30.99	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.75 GHz. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst' with a value of 12.4 dB. The x-axis is labeled 'Center' with a value of 3.750 00 GHz and 'Span' with a value of 60 MHz. The plot shows a signal with a peak at approximately 3.75 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 28.1867 MHz. The 'Occ BW % Pwr' is 99.00 % and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 30.721 kHz and the 'x dB Bandwidth' is 30.989 MHz. 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'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.19	31	30	Pass

Agilent
Measure

Ch Freq 3.78498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.784 98 GHz Span 60 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1890 MHz	x dB -26.00 dB
Transmit Freq Error 5.811 kHz	
x dB Bandwidth 30.996 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.17	30.77	30	Pass

Agilent
Measure

Ch Freq 3.71502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.715 02 GHz Span 60 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1655 MHz	x dB -26.00 dB
Transmit Freq Error	-40.372 kHz
x dB Bandwidth	30.767 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.15	30.78	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 12.4 dB' and the x-axis is 'Center 3.750 00 GHz'. 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 28.1524 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -53.641 kHz and the 'x dB Bandwidth' is 30.777 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1524 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -53.641 kHz
x dB Bandwidth: 30.777 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.16	30.77	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 12.5 dB' and the x-axis is 'Center 3.784 98 GHz'. The plot shows a signal with a peak at approximately 3.78498 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 28.1597 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -74.660 kHz and the 'x dB Bandwidth' is 30.772 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1597 MHz	99.00 %	-26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.26	31.15	30	Pass

Agilent
Measure

Ch Freq 3.71502 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

Center 3.715 02 GHz Span 60 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

28.2568 MHz x dB -26.00 dB

Transmit Freq Error -25.287 kHz

x dB Bandwidth 31.149 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.25	31.17	30	Pass

Agilent
Measure

Ch Freq 3.75 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.750 00 GHz Span 60 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

28.2499 MHz

Transmit Freq Error -30.706 kHz

x dB Bandwidth 31.170 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.25	31.12	30	Pass

Agilent
Measure

Ch Freq 3.78498 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

Occupied Bandwidth

28.2523 MHz

Transmit Freq Error -60.423 kHz

x dB Bandwidth 31.125 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3715.02	99	26	1	Peak	28.19	30.79	30	Pass

Agilent

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

Ch Freq 3.71502 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.2

dB
Ext Ref

Center 3.715 02 GHz
Span 60 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.1861 MHz	x dB -26.00 dB
Transmit Freq Error	-16.742 kHz
x dB Bandwidth	30.793 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	28.2	30.78	30	Pass

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

Measurement	Value
Occupied Bandwidth	28.2008 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-21.676 kHz
x dB Bandwidth	30.782 MHz

Other visible parameters include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, Center 3.750 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3784.98	99	26	1	Peak	28.2	30.75	30	Pass

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

Measurement	Value
Occupied Bandwidth	28.2011 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-41.289 kHz
x dB Bandwidth	30.748 MHz

Other visible parameters include: Ch Freq 3.78498 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.5 dB, Center 3.784 98 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.2	41.24	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.72 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a log scale with a 10 dB offset. The occupied bandwidth is highlighted in a green box, showing a value of 38.2014 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 35.896 kHz and the XdB bandwidth is 41.237 MHz. The interface also shows various measurement settings like Res BW (1 MHz), VBW (3 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
38.2014 MHz	99.00 %	-26.00 dB

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4.38. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	38.21	41.1	40	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 a green box, showing a value of 38.2066 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (38.134 kHz) and x dB Bandwidth (41.101 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

4.39. Occupied Bandwidth for SA_Part22-24-27(Channel:652000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3780	99	26	1	Peak	38.2	41.18	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.78 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 38.2048 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (405.979 Hz) and x dB Bandwidth (41.179 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.08	41.13	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 a green box, showing a value of 38.0767 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-48.634 kHz) and x dB Bandwidth (41.127 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

4.41. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	38.05	41.11	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 'Log dB/Offst' with values 10 and 12.4 dB. The x-axis is labeled 'Center' with a value of 3.750 0 GHz and 'Span' with a value of 80 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 38.0538 MHz. The 'Occ BW % Pwr' is 99.00 % and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -31.868 kHz and the 'x dB Bandwidth' is 41.114 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr
38.0538 MHz	99.00 %
Transmit Freq Error	x dB
-31.868 kHz	-26.00 dB
x dB Bandwidth	
41.114 MHz	

4.42. Occupied Bandwidth for SA_Part22-24-27(Channel:652000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3780	99	26	1	Peak	38.04	40.91	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.78 GHz. The measurement results are summarized in the bottom section:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.0370 MHz	x dB	-26.00 dB
Transmit Freq Error		-60.754 kHz
x dB Bandwidth		40.909 MHz

Additional parameters shown in the interface include: Ch Freq 3.78 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.5 dB, Center 3.780 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.09	41.11	40	Pass

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

Measurement	Value
Occupied Bandwidth	38.0936 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-66.739 kHz
x dB Bandwidth	41.114 MHz

Other visible parameters include: Ch Freq 3.72 GHz, Res BW 1 MHz, Span 80 MHz, and a 'Pass' verdict. The interface also shows various measurement buttons like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'.

4.45. Occupied Bandwidth for SA_Part22-24-27(Channel:652000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3780	99	26	1	Peak	38.07	41.14	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 a green box at the bottom of the screen.

Occupied Bandwidth Measurement Results:

Occupied Bandwidth	38.0713 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	-85.783 kHz		
x dB Bandwidth	41.139 MHz		

Additional parameters shown in the interface include: Ch Freq 3.78 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.5 dB, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), and Span 80 MHz.

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4.46. Occupied Bandwidth for SA_Part22-24-27(Channel:648000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3720	99	26	1	Peak	38.03	41.12	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.72 GHz. The main display shows a spectral plot with a yellow trace representing the signal. The plot is set to a log scale with a 10 dB/division and a 12.2 dB offset. The center frequency is 3.7200 GHz, and the span is 80 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The measurement results are summarized in a table at the bottom of the screen:

Measurement	Value	Unit
Occupied Bandwidth	38.0291	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	8.266	kHz
x dB Bandwidth	41.124	MHz

Additional parameters shown include: Ch Freq 3.72 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/div, 12.2 dB offset, Center 3.7200 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

4.47. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	38.05	41.13	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	38.0527 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	4.381 kHz
x dB Bandwidth	41.127 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 12.4 dB, Center 3.750 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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4.48. Occupied Bandwidth for SA_Part22-24-27(Channel:652000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3780	99	26	1	Peak	38.02	41.1	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	38.0214 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.372 kHz
x dB Bandwidth	41.097 MHz

Additional parameters shown in the interface include: Ch Freq 3.78 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.5 dB, Center 3.780 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3725.01	99	26	1	Peak	47.65	50.88	50	Pass

Agilent
Measure

Ch Freq 3.72501 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.725 01 GHz Span 100 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.6470 MHz	x dB -26.00 dB
Transmit Freq Error 22.704 kHz	
x dB Bandwidth 50.880 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.50. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	47.68	50.9	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 3.75 GHz and a span of 100 MHz. The y-axis is labeled 'Log dB/Offst 12.4 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 47.6750 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 15.799 kHz and the 'x dB Bandwidth' is 50.904 MHz. 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'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3774.99	99	26	1	Peak	47.63	50.82	50	Pass

Agilent
Measure

Ch Freq 3.77499 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

Occupied Bandwidth

47.6255 MHz

Transmit Freq Error -12.858 kHz

x dB Bandwidth 50.820 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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4.52. Occupied Bandwidth for SA_Part22-24-27(Channel:648334, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3725.01	99	26	1	Peak	47.52	50.52	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.72501 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.5197 MHz, which is 99.00% of the 50 MHz channel bandwidth. The power level 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	47.5197 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-65.245 kHz
x dB Bandwidth	50.520 MHz

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4.53. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	47.55	50.77	50	Pass

Agilent
Measure

Ch Freq 3.75 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

47.5465 MHz

Transmit Freq Error -60.196 kHz

x dB Bandwidth 50.774 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3774.99	99	26	1	Peak	47.5	50.54	50	Pass

Agilent
Measure

Ch Freq 3.77499 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Ref 30 dBm #Peak Log 10 dB/Offst 12.5 dB

Center 3.774 99 GHz Span 100 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

47.4954 MHz

Transmit Freq Error -76.376 kHz

x dB Bandwidth 50.543 MHz

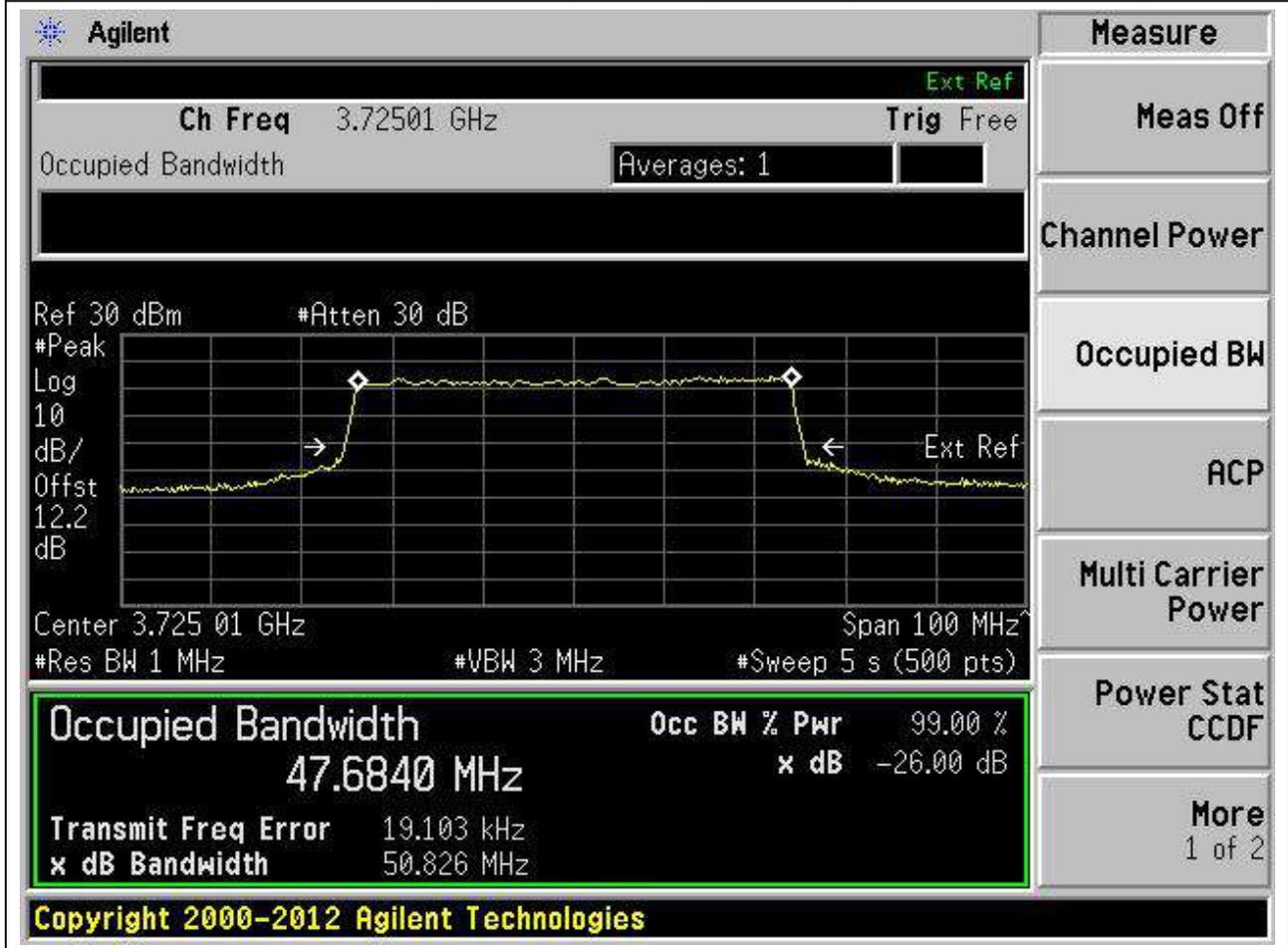
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3725.01	99	26	1	Peak	47.68	50.83	50	Pass



4.56. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	47.63	50.66	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 3.750 GHz with a span of 100 MHz. The vertical axis is labeled 'Log 10 dB/Offst 12.4 dB'. The horizontal axis is labeled 'Center 3.750 00 GHz' and 'Span 100 MHz'. The plot shows a signal with a peak at approximately 3.750 GHz. The signal is labeled 'Ext Ref' and 'Trig Free'. The plot also shows 'Occupied Bandwidth' and 'Averages: 1'. The plot parameters are '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 5 s (500 pts)'. The plot also shows 'Ref 30 dBm' and '#Atten 30 dB'. The plot also shows 'Occupied Bandwidth' and 'Averages: 1'. The plot also shows 'Ref 30 dBm' and '#Atten 30 dB'. The plot also shows 'Occupied Bandwidth' and 'Averages: 1'.

Occupied Bandwidth 47.6307 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -48.412 kHz
x dB Bandwidth 50.661 MHz

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4.57. Occupied Bandwidth for SA_Part22-24-27(Channel:651666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3774.99	99	26	1	Peak	47.61	50.8	50	Pass

Agilent
Measure

Ch Freq 3.77499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.774 99 GHz Span 100 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
47.6108 MHz	x dB -26.00 dB
Transmit Freq Error -76.822 kHz	
x dB Bandwidth 50.799 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3725.01	99	26	1	Peak	47.63	50.59	50	Pass

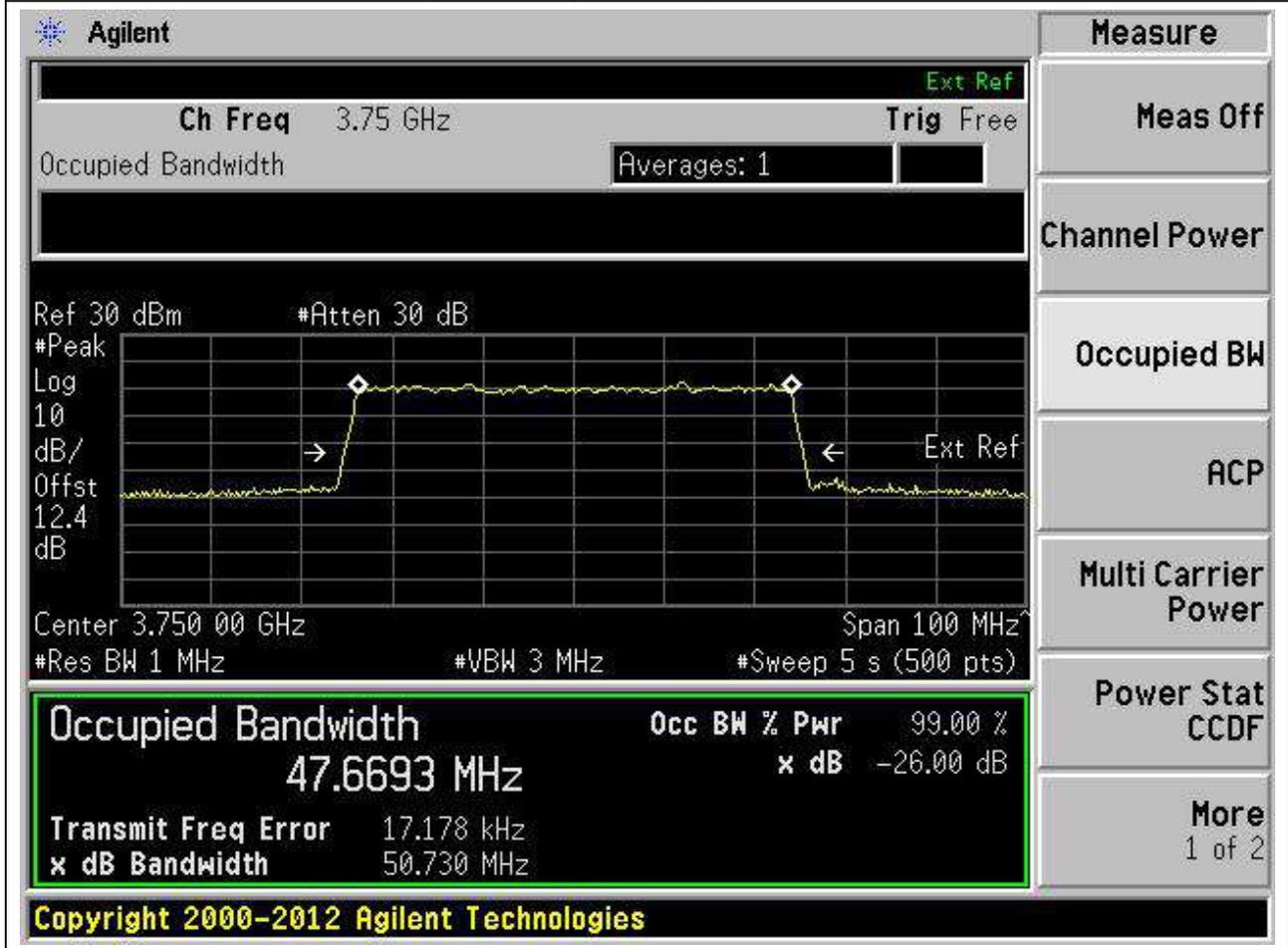
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The y-axis is labeled 'Log 10 dB/Offst 12.2 dB'. The x-axis is labeled 'Center 3.725 01 GHz' and 'Span 100 MHz'. The signal level is approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 47.6253 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 26.661 kHz and the 'x dB Bandwidth' is 50.593 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
47.6253 MHz	99.00 %	-26.00 dB

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4.59. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	47.67	50.73	50	Pass



4.60. Occupied Bandwidth for SA_Part22-24-27(Channel:651666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3774.99	99	26	1	Peak	47.61	50.6	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.77499 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.5 dB, Center 3.774 99 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, and #Sweep 5 s (500 pts). The plot shows a signal with a flat top and sharp edges, indicating a narrowband signal. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 47.6094 MHz. Other measurement data includes Occ BW % Pwr at 99.00% and x dB at -26.00 dB. The interface also shows a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright notice: Copyright 2000-2012 Agilent Technologies.

Measurement	Value
Occupied Bandwidth	47.6094 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	818.881 Hz
x dB Bandwidth	50.600 MHz

4.61. Occupied Bandwidth for SA_Part22-24-27(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	57.87	61.3	60	Pass

Agilent
Measure

Ch Freq 3.73002 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.730 02 GHz Span 120 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8673 MHz	x dB -26.00 dB
Transmit Freq Error 25.752 kHz	
x dB Bandwidth 61.297 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.62. Occupied Bandwidth for SA_Part22-24-27(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	57.84	61.37	60	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 57.8449 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -9.399 kHz and the 'x dB Bandwidth' is 61.372 MHz. The interface also shows various settings like 'Ch Freq 3.75 GHz', 'Trig Free', 'Averages: 1', 'Ref 30 dBm', '#Atten 30 dB', 'Center 3.750 00 GHz', 'Span 120 MHz', '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 5 s (600 pts)'. A vertical menu on the right side includes options like 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

4.63. Occupied Bandwidth for SA_Part22-24-27(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	57.86	61.31	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	57.8601 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-20.729 kHz
x dB Bandwidth	61.308 MHz

Other visible parameters include: Ch Freq 3.76998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.5 dB, Center 3.769 98 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

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4.64. Occupied Bandwidth for SA_Part22-24-27(Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3730.02	99	26	1	Peak	57.97	61.05	60	Pass

Agilent
Measure

Ch Freq 3.73002 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 12.3 dB

Center 3.730 02 GHz Span 120 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

57.9735 MHz

Transmit Freq Error -18.687 kHz

x dB Bandwidth 61.048 MHz

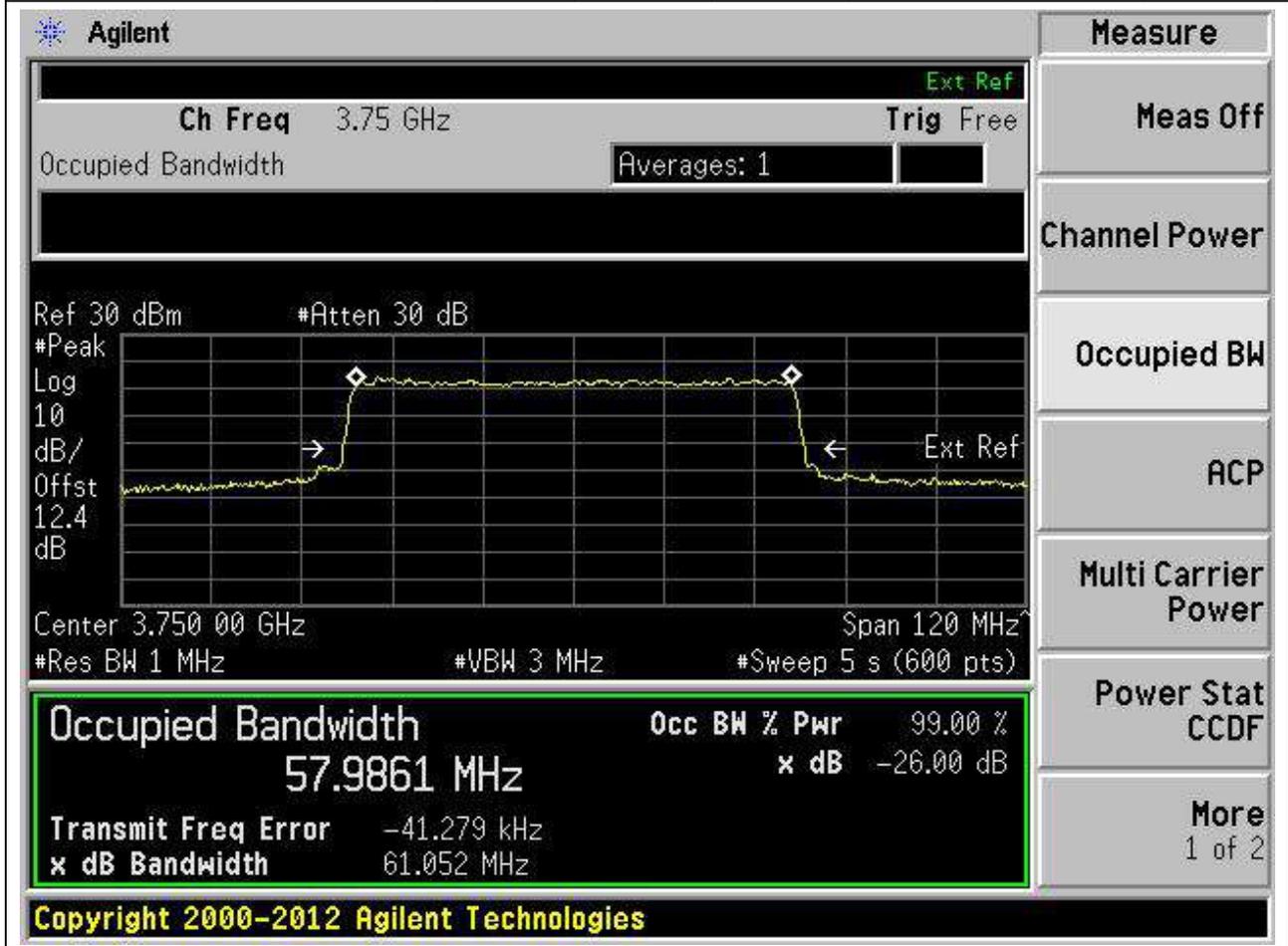
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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4.65. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	57.99	61.05	60	Pass



4.66. Occupied Bandwidth for SA_Part22-24-27(Channel:651332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3769.98	99	26	1	Peak	57.97	61.14	60	Pass

Agilent
Measure

Ch Freq 3.76998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.769 98 GHz Span 120 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.9684 MHz	x dB -26.00 dB
Transmit Freq Error	-42.231 kHz
x dB Bandwidth	61.143 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3730.02	99	26	1	Peak	57.82	61.02	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:

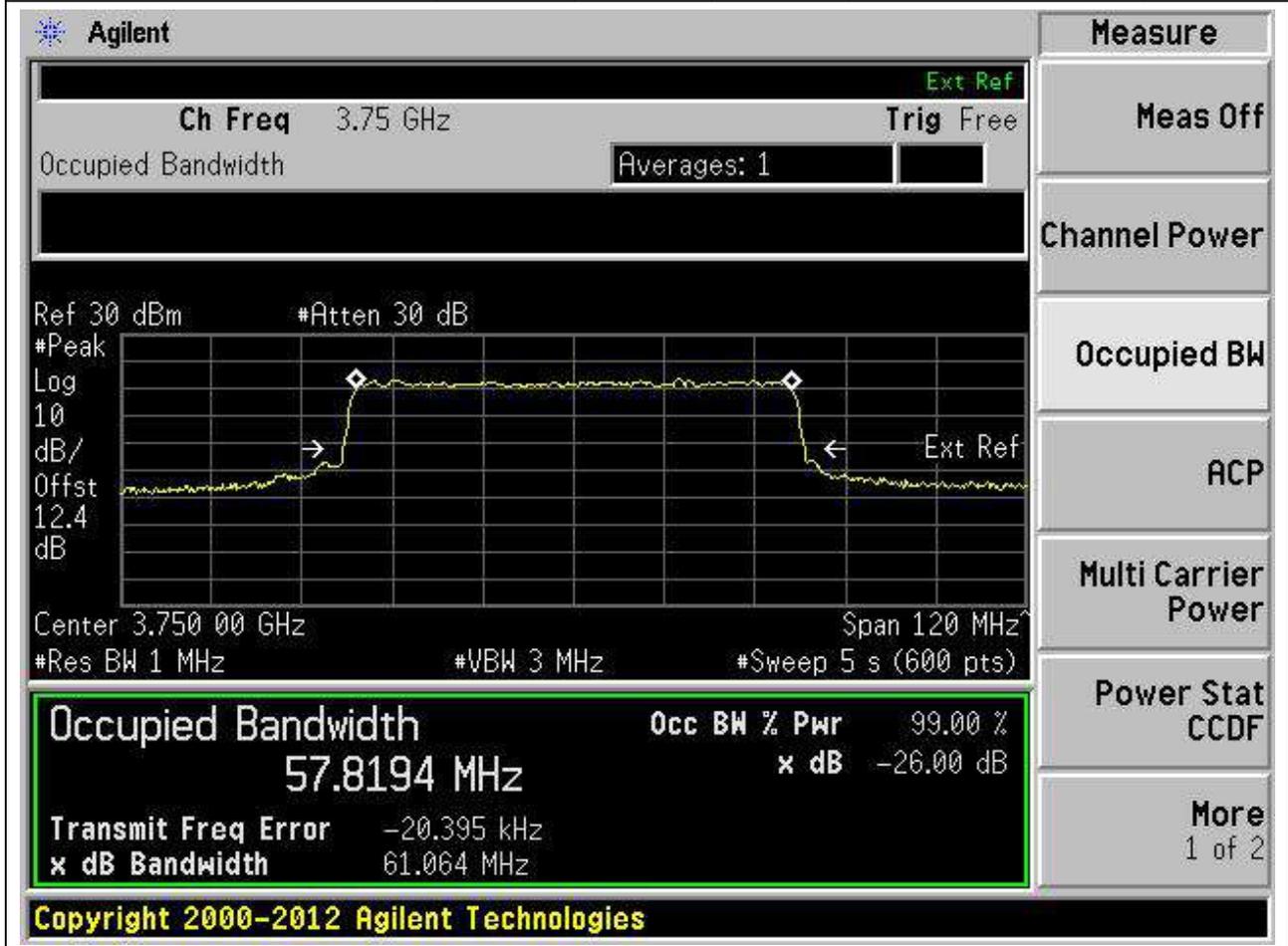
Measurement	Value
Occupied Bandwidth	57.8235 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-3.923 kHz
x dB Bandwidth	61.025 MHz

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 12.3 dB, Center 3.730 02 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	57.82	61.06	60	Pass



4.69. Occupied Bandwidth for SA_Part22-24-27(Channel:651332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3769.98	99	26	1	Peak	57.79	61.1	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The y-axis is labeled 'Log 10 dB/Offst 12.5 dB' and the x-axis is labeled 'Center 3.769 98 GHz' and 'Span 120 MHz'. The signal level is approximately 30 dBm, and the bandwidth is approximately 60 MHz. The 'Occupied Bandwidth' is highlighted in green and shows a value of 57.7862 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -26.958 kHz and the 'x dB Bandwidth' is 61.105 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
57.7862 MHz	99.00 %	-26.00 dB

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4.70. Occupied Bandwidth for SA_Part22-24-27(Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3730.02	99	26	1	Peak	57.82	61.01	60	Pass

Agilent

Measure

Ch Freq 3.73002 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.3
dB

Center 3.730 02 GHz
Span 120 MHz

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

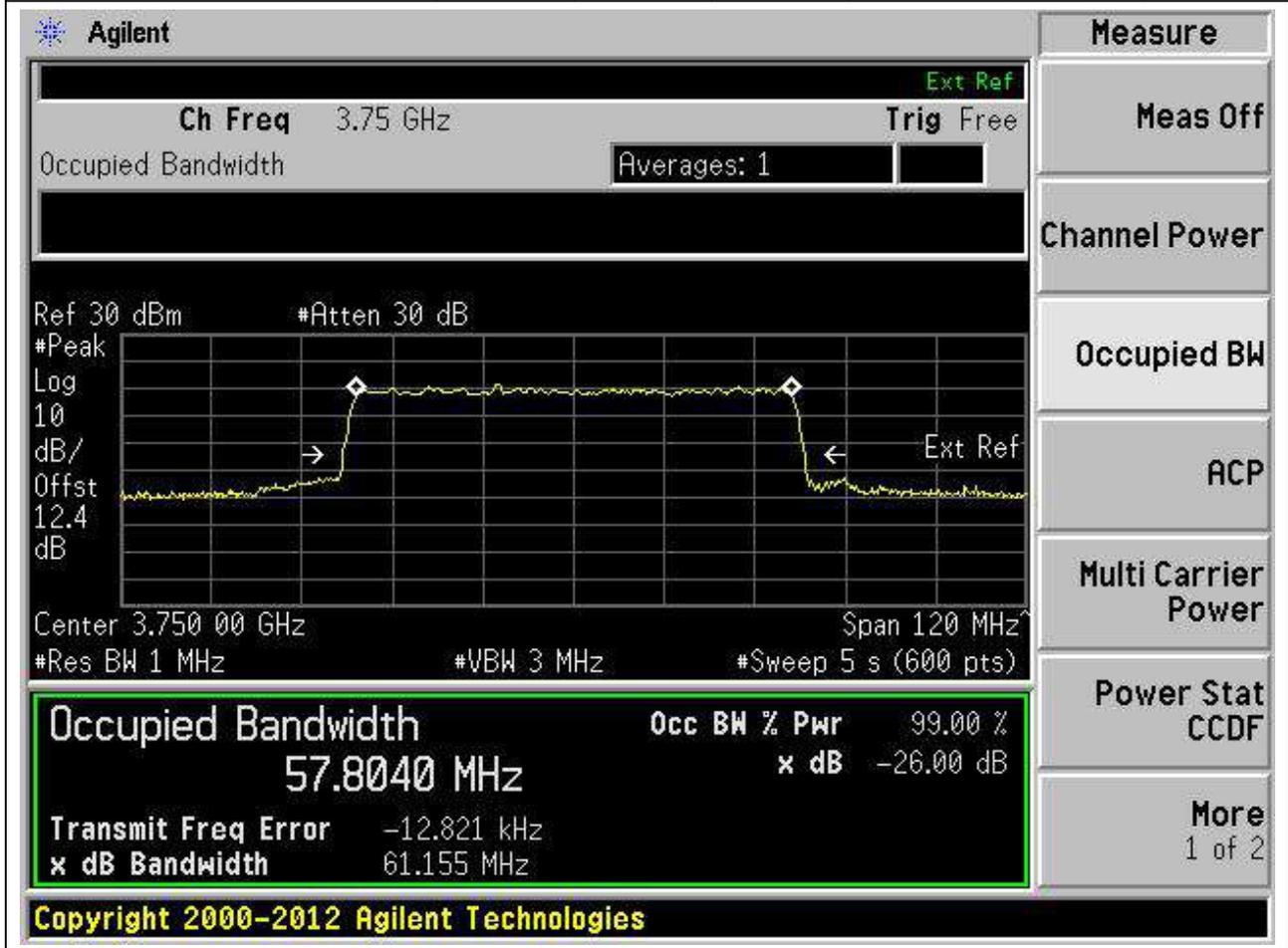
Occupied Bandwidth	Occ BW % Pwr 99.00 %
57.8193 MHz	x dB -26.00 dB
Transmit Freq Error -1.802 kHz	
x dB Bandwidth 61.011 MHz	

Power Stat CCDF
More 1 of 2

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4.71. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	57.8	61.16	60	Pass



4.72. Occupied Bandwidth for SA_Part22-24-27(Channel:651332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3769.98	99	26	1	Peak	57.74	60.98	60	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.76998 GHz, and the span is 120 MHz. The occupied bandwidth is measured as 57.7448 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.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
57.7448 MHz		x dB	-26.00 dB
Transmit Freq Error		-25.320 kHz	
x dB Bandwidth		60.979 MHz	

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2.25. Occupied Bandwidth for SA_Part22-24-27(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	67.63	70.95	70	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 12.3 dB'. The x-axis is labeled 'Center 3.735 00 GHz' and 'Span 140 MHz'. The plot shows a signal with a peak at approximately 3.735 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 67.6323 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 12.018 kHz and the 'x dB Bandwidth' is 70.952 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
67.6323 MHz	99.00 %	-26.00 dB

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2.26. Occupied Bandwidth for SA_Part22-24-27(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	67.61	70.87	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 y-axis is labeled 'Log 10 dB/Offst 12.4 dB'. The plot shows a signal with a peak at approximately 3.75 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 67.6099 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -18.205 kHz and the 'x dB Bandwidth' is 70.868 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
67.6099 MHz	99.00 %	-26.00 dB

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2.27. Occupied Bandwidth for SA_Part22-24-27(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	67.6	70.8	70	Pass

Agilent
Measure

Ch Freq 3.765 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.4
dB

Center 3.765 00 GHz
Span 140 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

67.6023 MHz
x dB -26.00 dB

Transmit Freq Error -19.876 kHz

x dB Bandwidth 70.804 MHz

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.5	70.84	70	Pass

Agilent

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

Ch Freq 3.735 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.3

dB
Ext Ref

Center 3.735 00 GHz
Span 140 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.4994 MHz	x dB -26.00 dB
Transmit Freq Error	-51.279 kHz
x dB Bandwidth	70.838 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	67.46	70.74	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 resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 700 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 67.4577 MHz, which is 99.00% of the 70 MHz channel bandwidth. The transmit frequency error is -65.568 kHz, and the x dB bandwidth is 70.741 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	99.00 %
67.4577 MHz	x dB	-26.00 dB
Transmit Freq Error	-65.568 kHz	
x dB Bandwidth	70.741 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3765	99	26	1	Peak	67.45	70.82	70	Pass

Agilent
Measure

Ch Freq 3.765 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 12.4 dB

Center 3.765 00 GHz Span 140 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

67.4534 MHz

Transmit Freq Error -79.651 kHz

x dB Bandwidth 70.823 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.57	70.86	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 67.5710 MHz, which is 99.00% of the 70 MHz channel bandwidth. The power level 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	99.00 %
67.5710 MHz	x dB	-26.00 dB
Transmit Freq Error	33.195 kHz	
x dB Bandwidth	70.864 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	67.52	70.79	70	Pass

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

Measurement	Value
Occupied Bandwidth	67.5192 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	2.790 kHz
x dB Bandwidth	70.787 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 12.4 dB, Center 3.750 00 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (700 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3765	99	26	1	Peak	67.53	70.9	70	Pass

Agilent

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

Ch Freq 3.765 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.4

dB
Ext Ref

Center 3.765 00 GHz
Span 140 MHz

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

Occupied Bandwidth
 67.5302 MHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error 1.915 kHz
 x dB Bandwidth 70.899 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3735	99	26	1	Peak	67.44	71.01	70	Pass

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

Measurement	Value
Occupied Bandwidth	67.4398 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	13.033 kHz
x dB Bandwidth	71.010 MHz

Additional parameters shown in the interface include: Ch Freq 3.735 GHz, Res BW 1 MHz, Span 140 MHz, and Sweep 5 s (700 pts). The interface also features a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	67.47	71.01	70	Pass

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

Measurement	Value
Occupied Bandwidth	67.4709 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-77.046 kHz
x dB Bandwidth	71.007 MHz

Other visible parameters include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.4 dB, Center 3.750 00 GHz, Span 140 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (700 pts).

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3765	99	26	1	Peak	67.39	70.86	70	Pass

Agilent

Measure

Ch Freq 3.765 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.4
dB

Center 3.765 00 GHz
Span 140 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
67.3878 MHz	x dB -26.00 dB
Transmit Freq Error	-17.138 kHz
x dB Bandwidth	70.860 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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4.73. Occupied Bandwidth for SA_Part22-24-27(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	77.46	80.78	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.74001 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.4575 MHz, which is 99.00% of the 80 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -16.129 kHz. The XdB bandwidth is 80.784 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	77.4575 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-16.129 kHz
x dB Bandwidth	80.784 MHz

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4.74. Occupied Bandwidth for SA_Part22-24-27(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	77.45	80.93	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	77.4533 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-31.117 kHz
x dB Bandwidth	80.935 MHz

Other visible parameters include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, Center 3.750 00 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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4.75. Occupied Bandwidth for SA_Part22-24-27(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	77.43	80.66	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	77.4326 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-59.285 kHz
x dB Bandwidth	80.655 MHz

Other visible parameters include: Ch Freq 3.75999 GHz, Res BW 1 MHz, VBW 3 MHz, Span 160 MHz, Sweep 5 s (800 pts), and a 'Copyright 2000-2012 Agilent Technologies' notice at the bottom.

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3740.01	99	26	1	Peak	77.61	81	80	Pass

Agilent

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

Ch Freq 3.74001 GHz
Ext Ref Trig Free

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 5 s (800 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
77.6146 MHz	x dB -26.00 dB
Transmit Freq Error	-50.202 kHz
x dB Bandwidth	81.002 MHz

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4.77. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	77.57	81.05	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 3.750 GHz with a span of 160 MHz. The vertical axis is labeled 'Log 10 dB/Offst 12.4 dB'. The horizontal axis is labeled 'Center 3.750 00 GHz' and 'Span 160 MHz'. The plot shows a signal with a peak at approximately 3.750 GHz. The signal is labeled 'Ext Ref' and 'Trig Free'. The plot also shows 'Averages: 1' and '#Res BW 1 MHz'.

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

Occupied Bandwidth	Occ BW % Pwr	x dB
77.5651 MHz	99.00 %	-26.00 dB
Transmit Freq Error	-57.497 kHz	
x dB Bandwidth	81.051 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). The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

4.78. Occupied Bandwidth for SA_Part22-24-27(Channel:650666, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3759.99	99	26	1	Peak	77.61	80.97	80	Pass

Agilent
Measure

Ch Freq 3.75999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Occupied Bandwidth	Occ BW % Pwr 99.00 %
77.6083 MHz	x dB -26.00 dB
Transmit Freq Error	-89.666 kHz
x dB Bandwidth	80.973 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3740.01	99	26	1	Peak	77.39	80.94	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	77.3877 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	53.293 kHz
x dB Bandwidth	80.943 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, 12.4 dB, Center 3.740 01 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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4.80. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	77.32	80.96	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	77.3199 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	53.825 kHz
x dB Bandwidth	80.957 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 12.4 dB, Center 3.750 00 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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4.81. Occupied Bandwidth for SA_Part22-24-27(Channel:650666, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3759.99	99	26	1	Peak	77.38	80.83	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 3.75999 GHz, and the span is 160 MHz. The occupied bandwidth is measured as 77.3845 MHz, which is 99.00% of the 80 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 23.409 kHz. The XdB bandwidth is 80.828 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 %
77.3845 MHz	x dB	-26.00 dB
Transmit Freq Error	23.409 kHz	
x dB Bandwidth	80.828 MHz	

4.82. Occupied Bandwidth for SA_Part22-24-27(Channel:649334, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3740.01	99	26	1	Peak	77.35	80.88	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The trace is centered at 3.74001 GHz with a span of 160 MHz. The signal level is approximately -26 dB. The interface includes various measurement parameters and a list of available measurement functions on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
77.3456 MHz	x dB	-26.00 dB
Transmit Freq Error	-53.074 kHz	
x dB Bandwidth	80.879 MHz	

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4.83. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	77.3	80.92	80	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The trace is centered at 3.75 GHz with a span of 160 MHz. The signal level is approximately 12.4 dB. The measurement results are summarized in the bottom section of the screen:

Measurement	Value
Occupied Bandwidth	77.2961 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-71.960 kHz
x dB Bandwidth	80.925 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). The bottom of the screen displays the copyright notice: Copyright 2000-2012 Agilent Technologies.

4.84. Occupied Bandwidth for SA_Part22-24-27(Channel:650666, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:217, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3759.99	99	26	1	Peak	77.29	80.84	80	Pass

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

Measurement	Value
Occupied Bandwidth	77.2947 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-104.022 kHz
x dB Bandwidth	80.842 MHz

Other visible parameters include: Ch Freq 3.75999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.4 dB, Center 3.759 99 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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4.85. Occupied Bandwidth for SA_Part22-24-27(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	87.28	91.04	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.74502 GHz, and the span is 180 MHz. The occupied bandwidth is highlighted as 87.2759 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.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
87.2759 MHz		x dB	-26.00 dB
Transmit Freq Error	-78.898 kHz		
x dB Bandwidth	91.035 MHz		

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4.86. Occupied Bandwidth for SA_Part22-24-27(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	91.21	90	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 180 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (900 points). The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 87.2921 MHz, which is 99.00% of the channel bandwidth. The transmit frequency error is -78.894 kHz, and the x dB bandwidth is 91.207 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 %
87.2921 MHz	x dB	-26.00 dB
Transmit Freq Error		-78.894 kHz
x dB Bandwidth		91.207 MHz

4.87. Occupied Bandwidth for SA_Part22-24-27(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	87.18	90.98	90	Pass

Agilent
Measure

Ch Freq 3.75498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.754 98 GHz Span 180 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (900 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.1812 MHz	x dB -26.00 dB
Transmit Freq Error -115.777 kHz	
x dB Bandwidth 90.976 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.88. Occupied Bandwidth for SA_Part22-24-27(Channel:649668, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3745.02	99	26	1	Peak	87.33	91.03	90	Pass

Agilent
Measure

Ch Freq 3.74502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.3255 MHz	x dB -26.00 dB
Transmit Freq Error	-14.629 kHz
x dB Bandwidth	91.026 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.89. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	87.26	90.96	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The trace is centered at 3.75 GHz with a span of 180 MHz. The signal level is approximately 12.4 dB above the noise floor. The measurement results are summarized in the bottom section of the screen:

Measurement	Value
Occupied Bandwidth	87.2559 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-94.517 kHz
x dB Bandwidth	90.957 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). The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

4.90. Occupied Bandwidth for SA_Part22-24-27(Channel:650332, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3754.98	99	26	1	Peak	87.23	91.08	90	Pass

Agilent
Measure

Ch Freq 3.75498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.754 98 GHz Span 180 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (900 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.2264 MHz	x dB -26.00 dB
Transmit Freq Error	-97.826 kHz
x dB Bandwidth	91.080 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.91. Occupied Bandwidth for SA_Part22-24-27(Channel:649668, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3745.02	99	26	1	Peak	87.44	91.1	90	Pass

Agilent
Measure

Ch Freq 3.74502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.4 dB

Center 3.745 02 GHz Span 180 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

87.4369 MHz x dB -26.00 dB

Transmit Freq Error -61.813 kHz

x dB Bandwidth 91.096 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

4.92. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	87.41	91	90	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.75 GHz, and the span is 180 MHz. The occupied bandwidth is measured as 87.4105 MHz, which is 99.00% of the 90 MHz channel bandwidth. The power level is -26.00 dB. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
87.4105 MHz	x dB	-26.00 dB
Transmit Freq Error	-48.845 kHz	
x dB Bandwidth	90.997 MHz	

4.93. Occupied Bandwidth for SA_Part22-24-27(Channel:650332, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3754.98	99	26	1	Peak	87.39	91.17	90	Pass

Agilent
Measure

Ch Freq 3.75498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.4 dB

Center 3.754 98 GHz Span 180 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

87.3911 MHz x dB -26.00 dB

Transmit Freq Error -66.922 kHz

x dB Bandwidth 91.169 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

4.94. Occupied Bandwidth for SA_Part22-24-27(Channel:649668, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3745.02	99	26	1	Peak	87.5	91.05	90	Pass

Agilent
Measure

Ch Freq 3.74502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.4
dB

Center 3.745 02 GHz
Span 180 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

87.5008 MHz
x dB -26.00 dB

Transmit Freq Error -103.582 kHz

x dB Bandwidth 91.054 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.95. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	87.5	91.07	90	Pass

Agilent

Ext Ref

Ch Freq 3.75 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Measure

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.4 dB

Center 3.750 00 GHz Span 180 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
87.5013 MHz	x dB -26.00 dB
Transmit Freq Error	-91.056 kHz
x dB Bandwidth	91.065 MHz

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4.96. Occupied Bandwidth for SA_Part22-24-27(Channel:650332, Bandwidth:90, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:245, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3754.98	99	26	1	Peak	87.49	90.88	90	Pass

Agilent
Measure

Ch Freq 3.75498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.4
dB

Center 3.754 98 GHz
Span 180 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

87.4903 MHz
x dB -26.00 dB

Transmit Freq Error -110.877 kHz

x dB Bandwidth 90.877 MHz

Power Stat CCDF

More 1 of 2

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4.97. Occupied Bandwidth for SA_Part22-24-27(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	97.28	101.02	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	97.2818 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-61.634 kHz
x dB Bandwidth	101.022 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 12.4 dB, Center 3.750 00 GHz, Span 200 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (1000 pts).

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4.98. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	97.43	101	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	97.4279 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-27.078 kHz
x dB Bandwidth	100.996 MHz

Other visible parameters include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.4 dB, Center 3.750 00 GHz, Span 200 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (1000 pts).

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4.99. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	97.26	101.11	100	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.75 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a log scale with a resolution bandwidth of 1 MHz and a span of 200 MHz. The center frequency is 3.75000 GHz. The occupied bandwidth is measured as 97.2553 MHz, which is 99.00% of the channel bandwidth. The power level is -26.00 dB. The interface also shows various measurement settings like RBW (1 MHz), VBW (3 MHz), and sweep time (5 s). A table at the bottom of the screen provides a summary of the key measurements.

Measurement	Value
Occupied Bandwidth	97.2553 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-43.265 kHz
x dB Bandwidth	101.115 MHz

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4.100. Occupied Bandwidth for SA_Part22-24-27(Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:273, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3750	99	26	1	Peak	97.44	100.96	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	97.4377 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-20.010 kHz
x dB Bandwidth	100.963 MHz

Other visible parameters include: Ch Freq 3.75 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.4 dB, Center 3.750 00 GHz, Span 200 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (1000 pts).

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1. n26 15kHz(814-824)

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

