

**2.38. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.88	19.56	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8755 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -11.598 kHz, and the XdB bandwidth is 19.561 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8755 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.598 kHz	
x dB Bandwidth	19.561 MHz	

**2.39. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.85	19.51	20	Pass

**Agilent** Measure

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 839.000 MHz Span 40 MHz

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

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

**18.8504 MHz** x dB -26.00 dB

Transmit Freq Error -22.449 kHz

x dB Bandwidth 19.506 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**2.40. Occupied Bandwidth for SA\_Part22-24-27(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.88	19.5	20	Pass

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

Measurement	Value
Occupied Bandwidth	18.8815 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-16.366 kHz
x dB Bandwidth	19.500 MHz

Additional parameters shown in the interface include: Ch Freq 834 MHz, Trig Free, Averages: 1, Ref 29.01 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.01 dB, Center 834.000 MHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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**2.41. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.85	19.43	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8541 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -16.700 kHz, and the XdB bandwidth is 19.434 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8541 MHz	x dB	-26.00 dB
Transmit Freq Error	-16.700 kHz	
x dB Bandwidth	19.434 MHz	

**2.42. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.86	19.46	20	Pass

**Agilent**

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 839.000 MHz Span 40 MHz

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

**Occupied Bandwidth** 18.8562 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -11.621 kHz

x dB Bandwidth 19.456 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**2.43. Occupied Bandwidth for SA\_Part22-24-27(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.86	19.42	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 834.000 MHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8580 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -9.558 kHz, and the XdB bandwidth is 19.421 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8580 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.558 kHz	
x dB Bandwidth	19.421 MHz	

**2.44. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.86	19.46	20	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm #Atten 30 dB

Center 836.500 MHz Span 40 MHz  
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
18.8609 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -9.868 kHz	
<b>x dB Bandwidth</b> 19.459 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.45. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.86	19.38	20	Pass

**Agilent**

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.99 dB

Center 839.000 MHz Span 40 MHz

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

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

**18.8576 MHz** x dB -26.00 dB

Transmit Freq Error -13.475 kHz

x dB Bandwidth 19.384 MHz

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**Measure**

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

**2.46. Occupied Bandwidth for SA\_Part22-24-27(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.55	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 834.000 MHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8725 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.044 kHz, and the XdB bandwidth is 19.550 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8725 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.044 kHz	
x dB Bandwidth	19.550 MHz	

**2.47. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.87	19.43	20	Pass

Agilent

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

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

9

dB

Center 836.500 MHz
Span 40 MHz

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

**Occupied Bandwidth**  
18.8733 MHz

**Occ BW % Pwr**  
99.00 %

**Transmit Freq Error**  
-13.986 kHz

**x dB Bandwidth**  
19.434 MHz

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**2.48. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.85	19.44	20	Pass

**Agilent** Measure

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 839.000 MHz Span 40 MHz

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

Ext Ref

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

18.8483 MHz x dB -26.00 dB

Transmit Freq Error -17.937 kHz

x dB Bandwidth 19.435 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

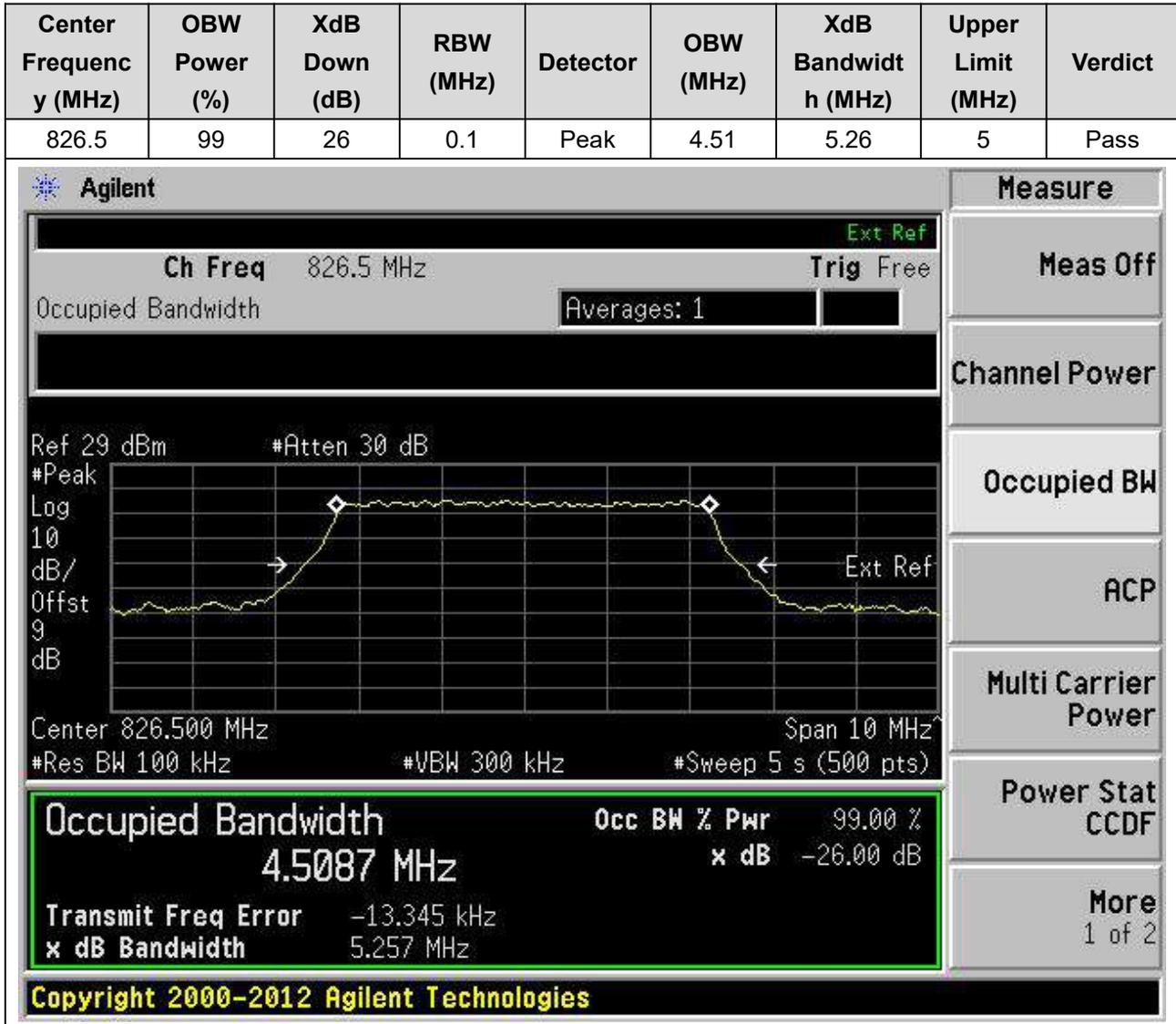
Power Stat CCDF

More 1 of 2

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## 5. n5

### 5.1. Occupied Bandwidth for SA\_Part22-24-27(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)



**5.2. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.52	5.34	5	Pass

**Agilent**
**Measure**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

Center 836.500 MHz Span 10 MHz

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

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

4.5200 MHz

Transmit Freq Error 3.512 kHz

x dB Bandwidth 5.337 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.3. Occupied Bandwidth for SA\_Part22-24-27(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.5	5.3	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a peak at 846.5 MHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 4.5017 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-16.594 kHz) and x dB Bandwidth (5.299 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

**5.4. Occupied Bandwidth for SA\_Part22-24-27(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.53	5.3	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz 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 29 dBm #Atten 30 dB

Center 826.500 MHz Span 10 MHz

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

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

4.5278 MHz x dB -26.00 dB

Transmit Freq Error -6.732 kHz

x dB Bandwidth 5.302 MHz

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**5.5. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.56	5.34	5	Pass

Agilent

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

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9 dB

Center 836.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.5641 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-2.959 kHz
<b>x dB Bandwidth</b>	5.341 MHz

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**5.6. Occupied Bandwidth for SA\_Part22-24-27(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.55	5.28	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 846.5 MHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 4.5469 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-7.641 kHz) and x dB Bandwidth (5.283 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

**5.7. Occupied Bandwidth for SA\_Part22-24-27(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.52	5.26	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9 dB

Center 826.500 MHz Span 10 MHz

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

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

**4.5243 MHz** x dB -26.00 dB

Transmit Freq Error -9.521 kHz

x dB Bandwidth 5.260 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**5.8. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.53	5.25	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 836.5 MHz. The main display shows a spectrum plot with a peak at approximately 836.5 MHz. The occupied bandwidth is measured as 4.5318 MHz, which is 99.00% of the 5 MHz channel bandwidth. The power level is -26.00 dB. The plot also shows a transmit frequency error of -11.906 kHz and a bandwidth of 5.252 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Measurement	Value
Occupied Bandwidth	4.5318 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.906 kHz
x dB Bandwidth	5.252 MHz

**5.9. Occupied Bandwidth for SA\_Part22-24-27(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.52	5.23	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a peak at 846.5 MHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 4.5244 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error of -13.320 kHz and x dB Bandwidth of 5.230 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.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5244 MHz	99.00 %	-26.00 dB

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**5.10. Occupied Bandwidth for SA\_Part22-24-27(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.52	5.32	5	Pass

Agilent

Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

9
dB

Center 826.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5248 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-10.618 kHz
<b>x dB Bandwidth</b>		5.322 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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**5.11. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.52	5.29	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9 dB

Center 836.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.5186 MHz**

Transmit Freq Error -19.949 kHz

x dB Bandwidth 5.291 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.12. Occupied Bandwidth for SA\_Part22-24-27(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.53	5.3	5	Pass

**Agilent**
**Measure**

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB

Center 846.500 MHz Span 10 MHz

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

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

4.5263 MHz

Transmit Freq Error -13.592 kHz

x dB Bandwidth 5.296 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.13. Occupied Bandwidth for SA\_Part22-24-27(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.26	9.89	10	Pass

**Agilent**

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29.01 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.01 dB

Center 829.000 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.2633 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-6.188 kHz
<b>x dB Bandwidth</b>		9.887 MHz

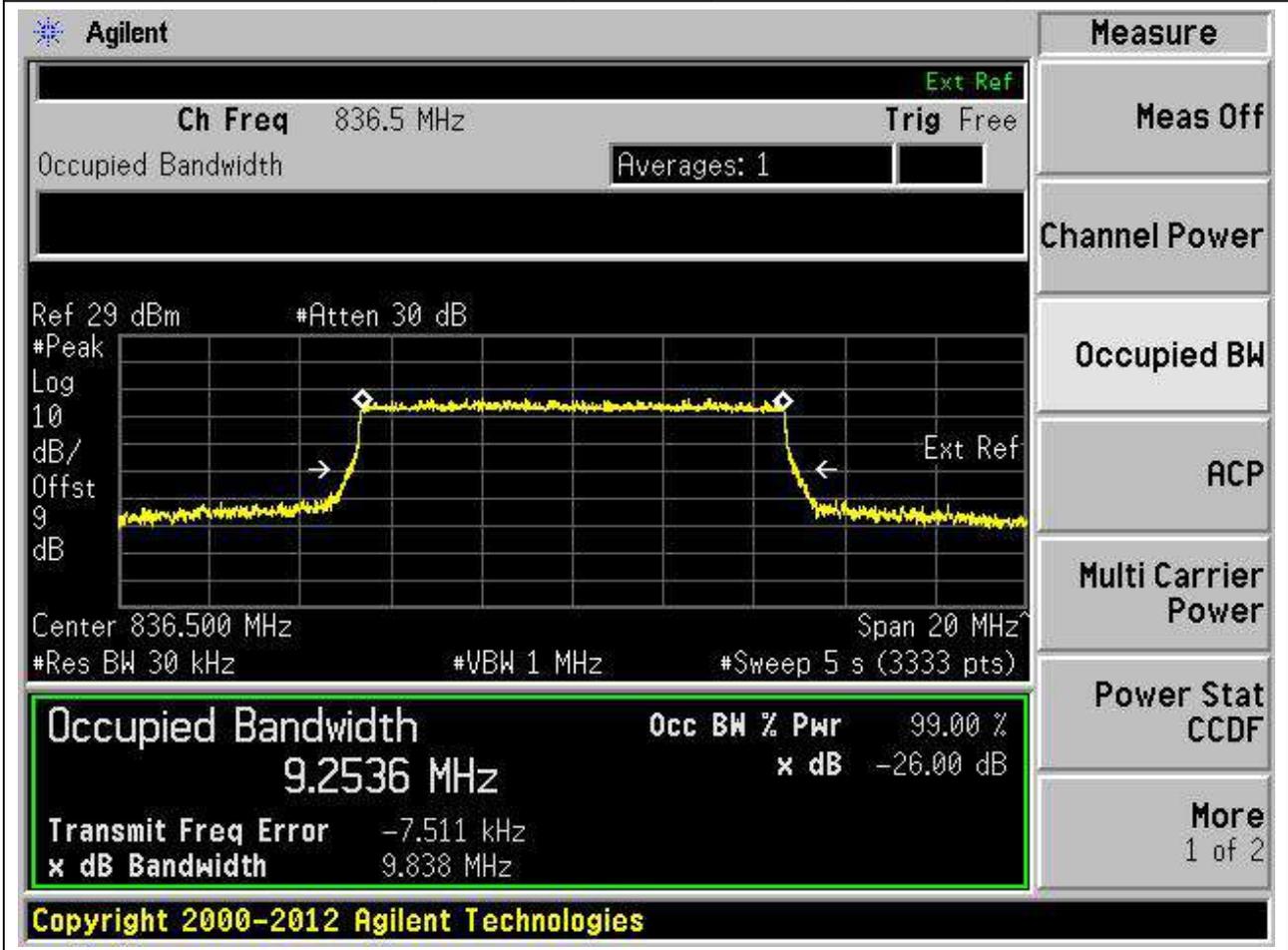
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**Measure**

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

**5.14. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.25	9.84	10	Pass



**5.15. Occupied Bandwidth for SA\_Part22-24-27(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.26	9.83	10	Pass

Agilent

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

Ch Freq 844 MHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 28.99 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Span 20 MHz

10
#Res BW 30 kHz

dB/
#VBW 1 MHz

Offst
#Sweep 5 s (3333 pts)

8.99
Center 844.000 MHz

dB
Span 20 MHz

**Occupied Bandwidth**

**9.2594 MHz**

Transmit Freq Error -12.112 kHz

x dB Bandwidth 9.829 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.16. Occupied Bandwidth for SA\_Part22-24-27(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.8	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 829.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2741 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.399 kHz, and the XdB bandwidth is 9.803 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2741 MHz	x dB	-26.00 dB
Transmit Freq Error		-10.399 kHz
x dB Bandwidth		9.803 MHz

**5.17. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.8	10	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

9

dB

Center 836.500 MHz
Span 20 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

9.2582 MHz
x dB -26.00 dB

Transmit Freq Error -3.968 kHz

x dB Bandwidth 9.798 MHz

Power Stat CCDF

More 1 of 2

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**5.18. Occupied Bandwidth for SA\_Part22-24-27(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.27	9.73	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 844.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2650 MHz, which is 99.00% of the 9.734 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -7.711 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2650 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.711 kHz
x dB Bandwidth		9.734 MHz

**5.19. Occupied Bandwidth for SA\_Part22-24-27(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.25	9.86	10	Pass

Agilent
Measure

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29.01 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.01 dB

Center 829.000 MHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**9.2510 MHz**

Transmit Freq Error -13.803 kHz

x dB Bandwidth 9.858 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.20. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.24	9.83	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 20 MHz. The occupied bandwidth is highlighted as 9.2445 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -15.668 kHz, and the XdB bandwidth is 9.832 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2445 MHz	x dB	-26.00 dB
Transmit Freq Error	-15.668 kHz	
x dB Bandwidth	9.832 MHz	

**5.21. Occupied Bandwidth for SA\_Part22-24-27(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.25	9.8	10	Pass

Agilent
Measure

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm    #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 844.000 MHz    Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**9.2525 MHz**

Transmit Freq Error -20.963 kHz

x dB Bandwidth 9.802 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.22. Occupied Bandwidth for SA\_Part22-24-27(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.78	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 829.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2679 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -8.579 kHz, and the XdB bandwidth is 9.785 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2679 MHz	x dB	-26.00 dB
Transmit Freq Error		-8.579 kHz
x dB Bandwidth		9.785 MHz

**5.23. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.76	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 836.500 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2603 MHz, which is 99.00% of the 9.765 MHz bandwidth. The power level 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 %
9.2603 MHz		x dB	-26.00 dB
Transmit Freq Error	-11.375 kHz		
x dB Bandwidth	9.765 MHz		

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**5.24. Occupied Bandwidth for SA\_Part22-24-27(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.27	9.8	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 844.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2681 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -16.223 kHz, and the XdB bandwidth is 9.800 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2681 MHz	x dB	-26.00 dB
Transmit Freq Error		-16.223 kHz
x dB Bandwidth		9.800 MHz

**5.25. Occupied Bandwidth for SA\_Part22-24-27(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.07	14.67	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0689 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-7.615 kHz
x dB Bandwidth	14.669 MHz

Additional parameters shown in the interface include: Ch Freq 831.5 MHz, Trig Free, Averages: 1, Ref 29.01 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.01 dB, Center 831.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**5.26. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.06	14.63	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 836.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0562 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -9.940 kHz, and the XdB bandwidth is 14.633 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0562 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.940 kHz	
x dB Bandwidth	14.633 MHz	

**5.27. Occupied Bandwidth for SA\_Part22-24-27(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.07	14.7	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0707 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-16.801 kHz
x dB Bandwidth	14.697 MHz

Additional parameters shown in the interface include: Ch Freq 841.5 MHz, Trig Free, Averages: 1, Ref 28.99 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.99 dB, Center 841.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**5.28. Occupied Bandwidth for SA\_Part22-24-27(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.06	14.61	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0619 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-14.665 kHz
x dB Bandwidth	14.606 MHz

Other visible parameters include: Ch Freq 831.5 MHz, Trig Free, Averages: 1, Ref 29.01 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.01 dB, Center 831.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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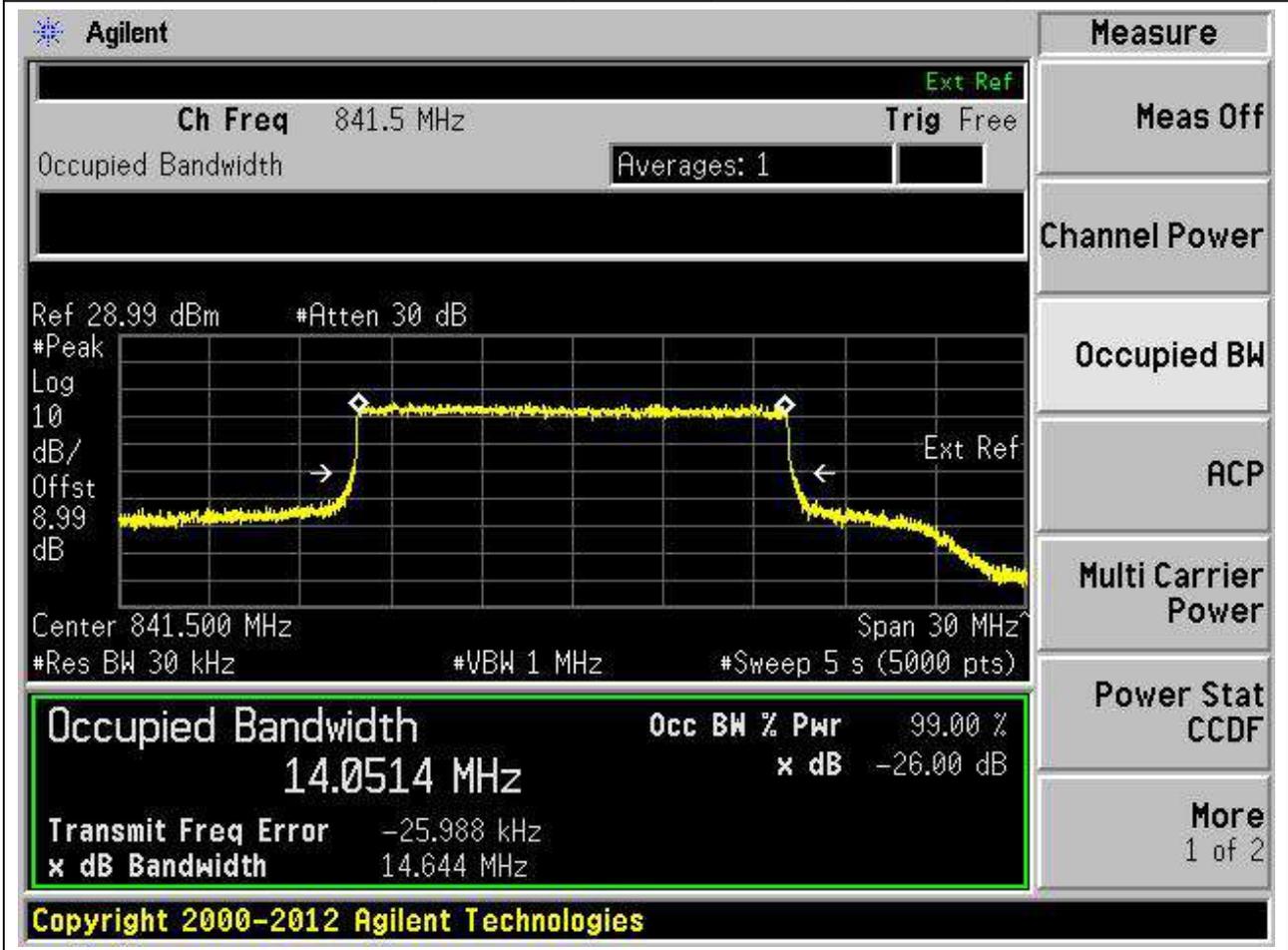
**5.29. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.04	14.59	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot parameters are: Center 836.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts). The signal level is approximately 29 dBm, and the attenuation is 30 dB. The Occupied Bandwidth (OBW) is measured as 14.0450 MHz, with a power level of 99.00% and a -26.00 dB offset. The Transmit Frequency Error is -15.721 kHz, and the x dB Bandwidth is 14.594 MHz. The interface includes a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

**5.30. Occupied Bandwidth for SA\_Part22-24-27(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.05	14.64	15	Pass



**5.31. Occupied Bandwidth for SA\_Part22-24-27(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.61	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0826 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.209 kHz
x dB Bandwidth	14.610 MHz

Additional parameters shown in the interface include: Ch Freq 831.5 MHz, Trig Free, Averages: 1, Ref 29.01 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.01 dB, Center 831.500 MHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**5.32. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 836.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0653 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -15.244 kHz, and the XdB bandwidth is 14.617 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0653 MHz	x dB	-26.00 dB
Transmit Freq Error	-15.244 kHz	
x dB Bandwidth	14.617 MHz	

**5.33. Occupied Bandwidth for SA\_Part22-24-27(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.06	14.56	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 841.500 MHz, and the span is 30 MHz. The occupied bandwidth is highlighted as 14.0641 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -23.816 kHz, and the XdB bandwidth is 14.565 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0641 MHz	x dB	-26.00 dB
Transmit Freq Error	-23.816 kHz	
x dB Bandwidth	14.565 MHz	

**5.34. Occupied Bandwidth for SA\_Part22-24-27(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.07	14.68	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 831.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0740 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -7.674 kHz, and the XdB bandwidth is 14.682 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0740 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.674 kHz	
x dB Bandwidth	14.682 MHz	

**5.35. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.04	14.55	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 836.500 MHz, and the span is 30 MHz. The occupied bandwidth is highlighted as 14.0447 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -14.597 kHz, and the XdB bandwidth is 14.554 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	14.0447 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-14.597 kHz
x dB Bandwidth	14.554 MHz

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**5.36. Occupied Bandwidth for SA\_Part22-24-27(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.06	14.64	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is centered at 841.500 MHz with a span of 30 MHz. The vertical axis is labeled 'dB' and has a reference level of 28.99 dBm. The horizontal axis is labeled 'MHz' and has a resolution bandwidth of 30 kHz. The plot shows a signal with a peak level of approximately 28.99 dBm and a bandwidth of 14.0596 MHz. The signal is measured at a 30 dB attenuation. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 14.0596 MHz and a power of 99.00%. The 'Transmit Freq Error' is -19.935 kHz and the 'x dB Bandwidth' is 14.639 MHz. The 'Verdict' is 'Pass'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0596 MHz	x dB	-26.00 dB
Transmit Freq Error	-19.935 kHz	
x dB Bandwidth	14.639 MHz	

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**5.37. Occupied Bandwidth for SA\_Part22-24-27(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.53	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 834.000 MHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8687 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -19.356 kHz, and the XdB bandwidth is 19.533 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8687 MHz	x dB	-26.00 dB
Transmit Freq Error		-19.356 kHz
x dB Bandwidth		19.533 MHz

**5.38. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.87	19.56	20	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

9

dB

Center 836.500 MHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.8743 MHz
x dB -26.00 dB

Transmit Freq Error -5.040 kHz

x dB Bandwidth 19.556 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.39. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.85	19.43	20	Pass

**Agilent**

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 839.000 MHz Span 40 MHz

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

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
<b>18.8510 MHz</b>	x dB	-26.00 dB
Transmit Freq Error		-23.175 kHz
x dB Bandwidth		19.425 MHz

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**Measure**

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

**5.40. Occupied Bandwidth for SA\_Part22-24-27(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.47	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 834.000 MHz with a span of 40 MHz. The signal level is approximately 29.01 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 18.8703 MHz, which is 99.00% of the 19.468 MHz x dB bandwidth. The transmit frequency error is -9.563 kHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	18.8703 MHz
Occ BW % Pwr	99.00 %
x dB Bandwidth	19.468 MHz
Transmit Freq Error	-9.563 kHz
Occupied BW	18.87 MHz
ACP	-26.00 dB

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**5.41. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.86	19.45	20	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm #Atten 30 dB

Center 836.500 MHz Span 40 MHz  
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>18.8604 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -14.678 kHz	
<b>x dB Bandwidth</b> 19.446 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

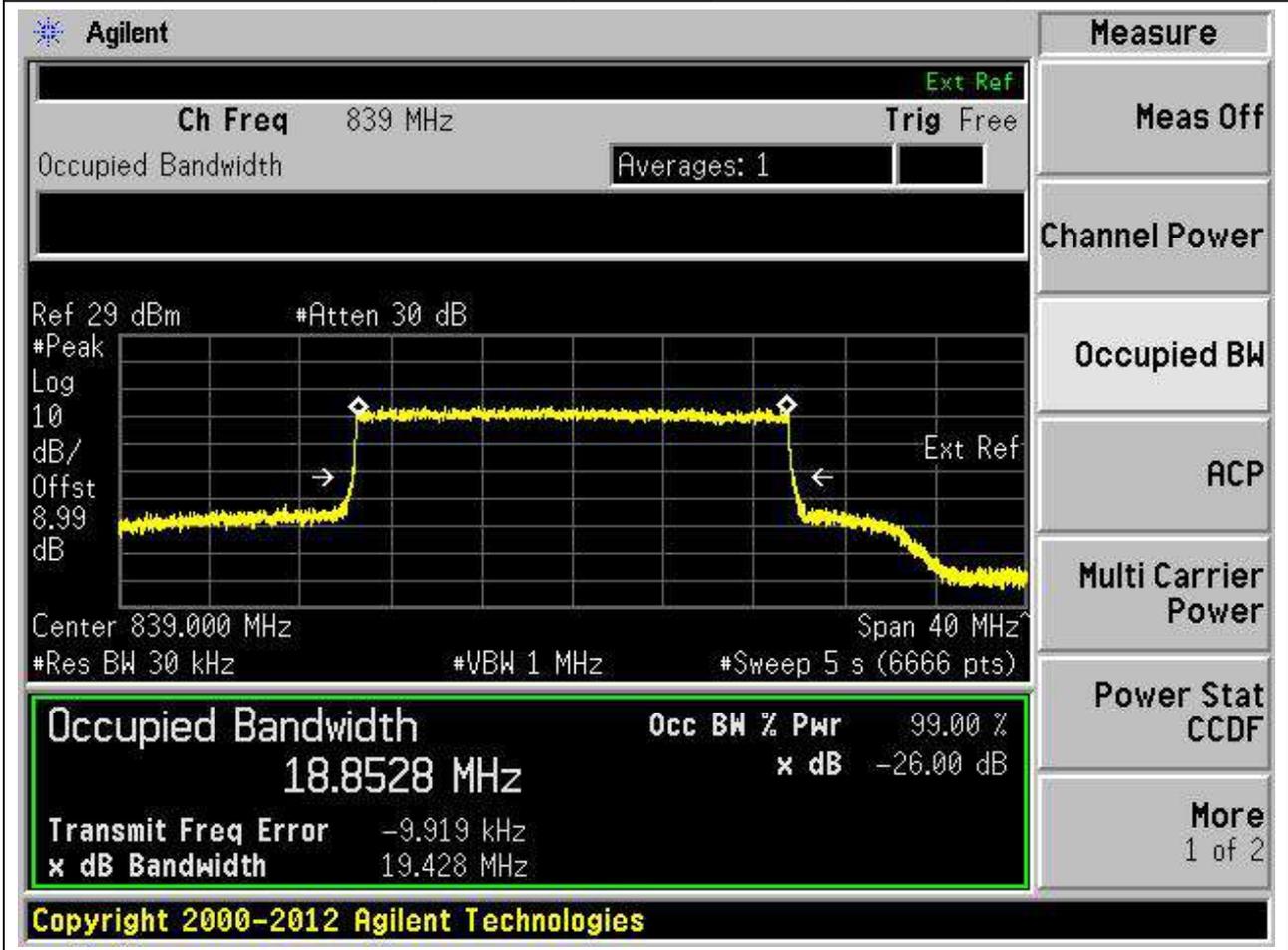
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.42. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.85	19.43	20	Pass



**5.43. Occupied Bandwidth for SA\_Part22-24-27(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.45	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 834.000 MHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8654 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.934 kHz, and the XdB bandwidth is 19.451 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8654 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.934 kHz	
x dB Bandwidth	19.451 MHz	

**5.44. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.87	19.39	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8655 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -7.912 kHz, and the XdB bandwidth is 19.389 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8655 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.912 kHz	
x dB Bandwidth	19.389 MHz	

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**5.45. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.85	19.38	20	Pass

Agilent
Measure

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

Center 839.000 MHz Span 40 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**18.8534 MHz**

Transmit Freq Error -11.353 kHz

x dB Bandwidth 19.376 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.46. Occupied Bandwidth for SA\_Part22-24-27(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.54	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 834.000 MHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8732 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -4.790 kHz, and the XdB bandwidth is 19.540 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8732 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.790 kHz	
x dB Bandwidth	19.540 MHz	

**5.47. Occupied Bandwidth for SA\_Part22-24-27(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.88	19.42	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.8754 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -5.206 kHz, and the XdB bandwidth is 19.425 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	18.8754 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.206 kHz
x dB Bandwidth	19.425 MHz

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**5.48. Occupied Bandwidth for SA\_Part22-24-27(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.85	19.44	20	Pass

**Agilent**

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 839.000 MHz Span 40 MHz

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

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
<b>18.8459 MHz</b>	x dB	-26.00 dB
Transmit Freq Error		-14.999 kHz
x dB Bandwidth		19.439 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

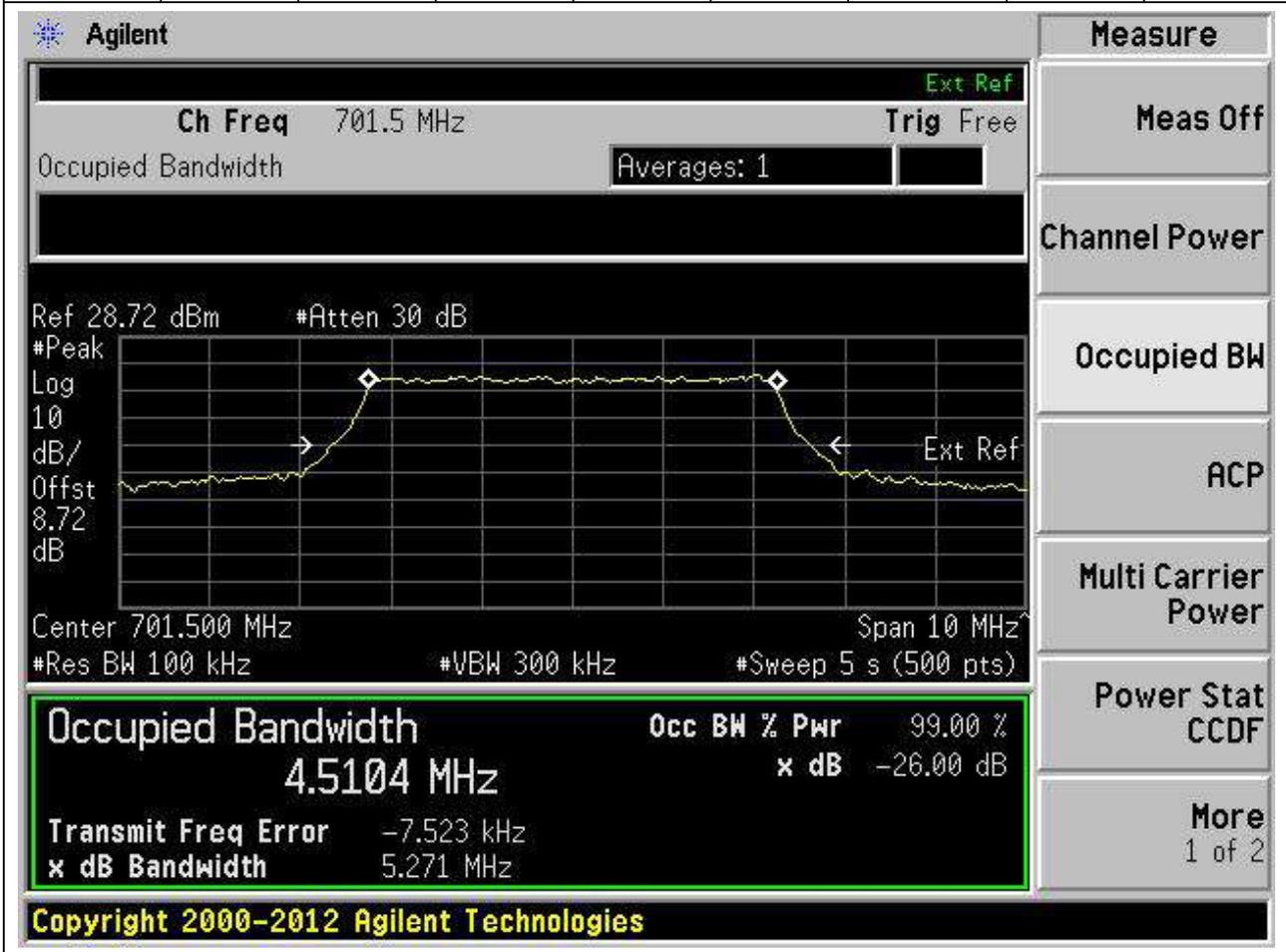
Power Stat CCDF

More 1 of 2

## 6. n12 15kHz

### 6.1. Occupied Bandwidth for SA\_Part22-24-27(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.51	5.27	5	Pass



**6.2. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.52	5.31	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 707.500 MHz, and the span is 10 MHz. The occupied bandwidth is highlighted as 4.5213 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.669 kHz, and the XdB bandwidth is 5.308 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5213 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.669 kHz	
x dB Bandwidth	5.308 MHz	

**6.3. Occupied Bandwidth for SA\_Part22-24-27(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.52	5.25	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a peak at 713.5 MHz. The y-axis is labeled 'Log dB/Offst 8.72 dB'. The x-axis is labeled 'Center 713.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at 713.5 MHz and a bandwidth of 5.254 MHz. The occupied bandwidth is 4.5173 MHz, which is 99.00% of the power. The dB down is -26.00 dB. The transmit frequency error is -11.821 kHz. The interface also shows various settings like 'Ch Freq 713.5 MHz', 'Trig Free', 'Averages: 1', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 5 s (500 pts)'. The 'Measure' menu is open, showing options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The 'Occupied Bandwidth' measurement is highlighted in green.

Measurement	Value
Occupied Bandwidth	4.5173 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.821 kHz
x dB Bandwidth	5.254 MHz

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**6.4. Occupied Bandwidth for SA\_Part22-24-27(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.52	5.29	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 701.5 MHz. The main display shows a spectrum plot with a peak at approximately 701.5 MHz. The occupied bandwidth is measured as 4.5193 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is 2.813 kHz, and the XdB bandwidth is 5.291 MHz. The interface also shows various measurement settings like Res BW (100 kHz), VBW (300 kHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5193 MHz	x dB	-26.00 dB
Transmit Freq Error	2.813 kHz	
x dB Bandwidth	5.291 MHz	

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**6.5. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.51	5.26	5	Pass

Agilent
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm #Atten 30 dB

Center 707.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.5109 MHz**

Transmit Freq Error -3.000 kHz

x dB Bandwidth 5.261 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**6.6. Occupied Bandwidth for SA\_Part22-24-27(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.51	5.24	5	Pass

Agilent
Measure

Ch Freq 713.5 MHz 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**

**4.5116 MHz**

Transmit Freq Error -3.358 kHz

x dB Bandwidth 5.244 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**6.7. Occupied Bandwidth for SA\_Part22-24-27(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.51	5.27	5	Pass

Agilent
Measure

Ch Freq 701.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm #Atten 30 dB  
#Peak Log 10 dB/Offst 8.72 dB  
Center 701.500 MHz Span 10 MHz  
#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

4.5132 MHz

Transmit Freq Error -8.772 kHz

x dB Bandwidth 5.265 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**6.8. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.5	5.24	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.4977 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.074 kHz
x dB Bandwidth	5.243 MHz

Other visible parameters include: Ch Freq 707.5 MHz, Trig Free, Averages: 1, Ref 28.72 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.72 dB, Center 707.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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**6.9. Occupied Bandwidth for SA\_Part22-24-27(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.5	5.31	5	Pass

Agilent

Measure

Ch Freq 713.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 28.72 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

8.72
dB

Center 713.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4989 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-20.096 kHz
x dB Bandwidth		5.311 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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**6.10. Occupied Bandwidth for SA\_Part22-24-27(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.53	5.3	5	Pass

Agilent
Measure

Ch Freq 701.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Center 701.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**4.5331 MHz**

Transmit Freq Error -14.322 kHz

x dB Bandwidth 5.298 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**6.11. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.52	5.34	5	Pass

Agilent
Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 28.72 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.72

dB

Ext Ref

Center 707.500 MHz
Span 10 MHz

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

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

4.5237 MHz

x dB    -26.00 dB

Transmit Freq Error    -15.392 kHz

x dB Bandwidth        5.339 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**6.12. Occupied Bandwidth for SA\_Part22-24-27(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.52	5.31	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 713.5 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.5197 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -15.456 kHz, and the XdB bandwidth is 5.314 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5197 MHz	x dB	-26.00 dB
Transmit Freq Error	-15.456 kHz	
x dB Bandwidth	5.314 MHz	

**6.13. Occupied Bandwidth for SA\_Part22-24-27(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.03	Peak	9.25	9.85	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 704.000 MHz with a span of 20 MHz. The signal level is approximately 28.72 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 9.2513 MHz, and the power is 99.00% at -26.00 dB. The transmit frequency error is -10.374 kHz, and the x dB bandwidth is 9.855 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2513 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.374 kHz	
x dB Bandwidth	9.855 MHz	

**6.14. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	9.26	9.9	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 707.500 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2591 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -9.013 kHz, and the XdB bandwidth is 9.898 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2591 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.013 kHz	
x dB Bandwidth	9.898 MHz	

**6.15. Occupied Bandwidth for SA\_Part22-24-27(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.03	Peak	9.25	9.82	10	Pass

Agilent

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

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.72 dB

Center 711.000 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
9.2538 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-9.020 kHz
<b>x dB Bandwidth</b>	9.818 MHz

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**6.16. Occupied Bandwidth for SA\_Part22-24-27(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.03	Peak	9.26	9.79	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 704.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2586 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -5.765 kHz, and the XdB bandwidth is 9.788 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 %
9.2586 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.765 kHz	
x dB Bandwidth	9.788 MHz	

**6.17. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	9.27	9.83	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 707.500 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2669 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -4.063 kHz, and the XdB bandwidth is 9.829 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2669 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.063 kHz	
x dB Bandwidth	9.829 MHz	

**6.18. Occupied Bandwidth for SA\_Part22-24-27(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.03	Peak	9.26	9.79	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 711.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2583 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -6.144 kHz, and the XdB bandwidth is 9.788 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 %
9.2583 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.144 kHz	
x dB Bandwidth	9.788 MHz	

**6.19. Occupied Bandwidth for SA\_Part22-24-27(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.03	Peak	9.25	9.79	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 704.000 MHz, and the span is 20 MHz. The occupied bandwidth is highlighted as 9.2498 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -14.055 kHz, and the XdB bandwidth is 9.786 MHz. The interface includes various measurement buttons on the right side, such as Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2498 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.055 kHz	
x dB Bandwidth	9.786 MHz	

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**6.20. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	9.26	9.87	10	Pass

Agilent

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

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

8.72

dB

Center 707.500 MHz
Span 20 MHz

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

**Occupied Bandwidth**  
 9.2557 MHz

Occ BW % Pwr 99.00 %  
 x dB -26.00 dB

Transmit Freq Error -15.975 kHz  
 x dB Bandwidth 9.869 MHz

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**6.21. Occupied Bandwidth for SA\_Part22-24-27(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.03	Peak	9.25	9.81	10	Pass

**Agilent**

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.72 dB

Center 711.000 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.2465 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-20.123 kHz
<b>x dB Bandwidth</b>		9.812 MHz

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**Measure**

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

**6.22. Occupied Bandwidth for SA\_Part22-24-27(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.03	Peak	9.26	9.81	10	Pass

Agilent

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

Ch Freq 704 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.72 dB

Center 704.000 MHz Span 20 MHz

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

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

9.2604 MHz x dB -26.00 dB

Transmit Freq Error -13.078 kHz

x dB Bandwidth 9.809 MHz

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**6.23. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	9.27	9.79	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 707.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.72 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.72 dB, Center 707.500 MHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, and #Sweep 5 s (3333 pts). The plot shows a signal with a flat top and sloping sides, with two white diamonds marking the -26 dB points. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing 9.2708 MHz. Other measurements include Occ BW % Pwr at 99.00% and x dB at -26.00 dB. The 'Transmit Freq Error' is -13.718 kHz and the 'x dB Bandwidth' is 9.794 MHz. A vertical menu on the right contains measurement options: Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

**6.24. Occupied Bandwidth for SA\_Part22-24-27(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.03	Peak	9.26	9.8	10	Pass

**Agilent**

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.72 dB

Center 711.000 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.2604 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-15.449 kHz
<b>x dB Bandwidth</b>		9.803 MHz

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**Measure**

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

**6.25. Occupied Bandwidth for SA\_Part22-24-27(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.03	Peak	14.07	14.64	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 706.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0681 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -7.652 kHz, and the XdB bandwidth is 14.645 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0681 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.652 kHz	
x dB Bandwidth	14.645 MHz	

**6.26. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	14.07	14.68	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 707.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0712 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -7.868 kHz. The XdB bandwidth is 14.680 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 %
14.0712 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.868 kHz	
x dB Bandwidth	14.680 MHz	

**6.27. Occupied Bandwidth for SA\_Part22-24-27(Channel:141700, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
708.5	99	26	0.03	Peak	14.07	14.71	15	Pass

Agilent
Measure

Ch Freq 708.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Ref 28.72 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 8.72 dB

Center 708.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

14.0677 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -13.543 kHz

x dB Bandwidth 14.714 MHz

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**6.28. Occupied Bandwidth for SA\_Part22-24-27(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.03	Peak	14.07	14.72	15	Pass

Agilent

Measure

Ch Freq 706.5 MHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 28.72 dBm
#Atten 30 dB

#Peak
Ext Ref

Log

10

dB/

Offst

8.72

dB

Center 706.500 MHz
Span 30 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
14.0722 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-10.326 kHz
<b>x dB Bandwidth</b>	14.718 MHz

Power Stat

Meas Off

CCDF

Channel Power

More

Occupied BW

1 of 2

ACP

Multi Carrier Power

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**6.29. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	14.05	14.62	15	Pass

**Agilent**

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.72 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.72 dB

Center 707.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

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

14.0527 MHz x dB -26.00 dB

Transmit Freq Error -20.542 kHz

x dB Bandwidth 14.624 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

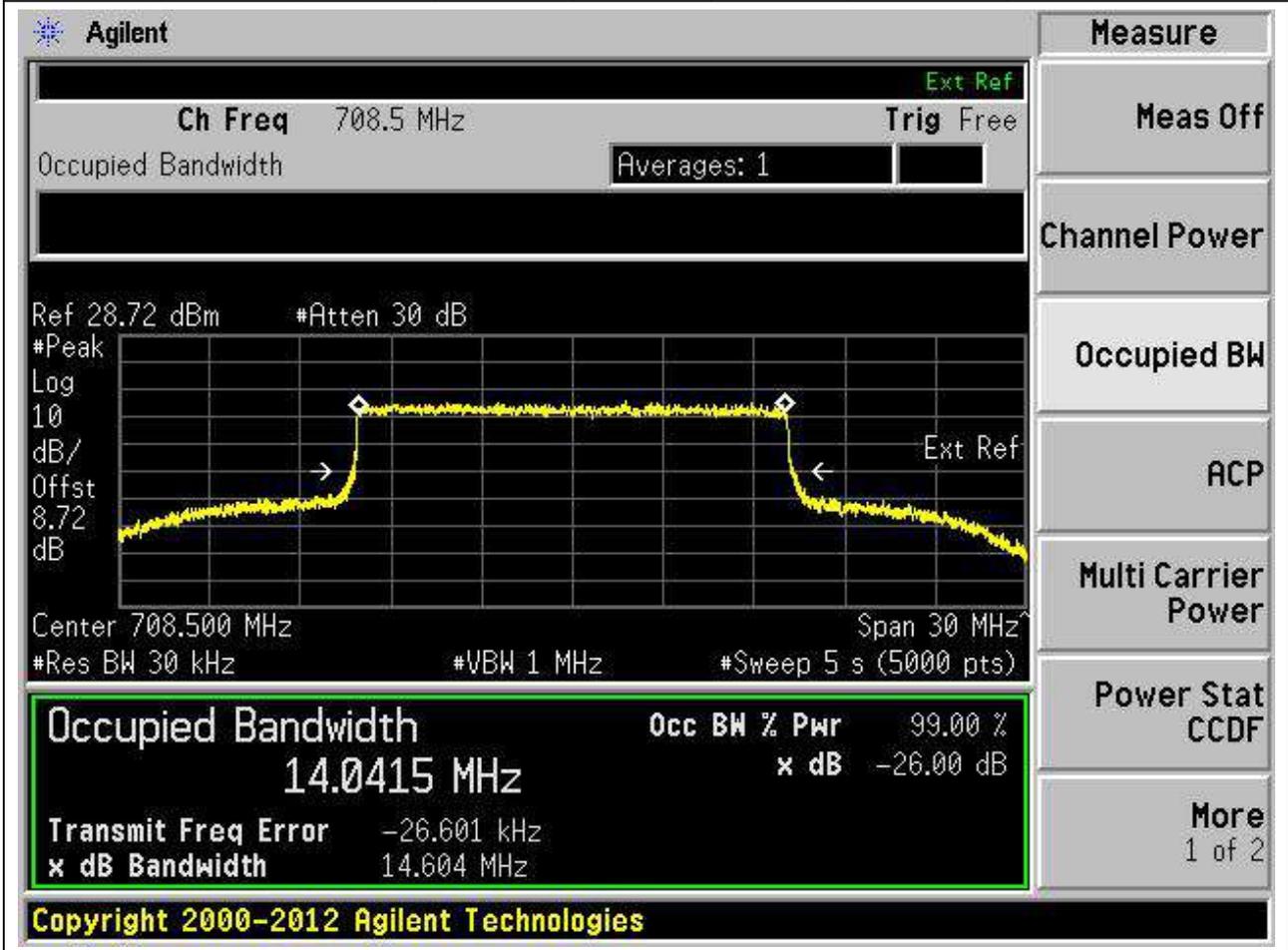
Multi Carrier Power

Power Stat CCDF

More 1 of 2

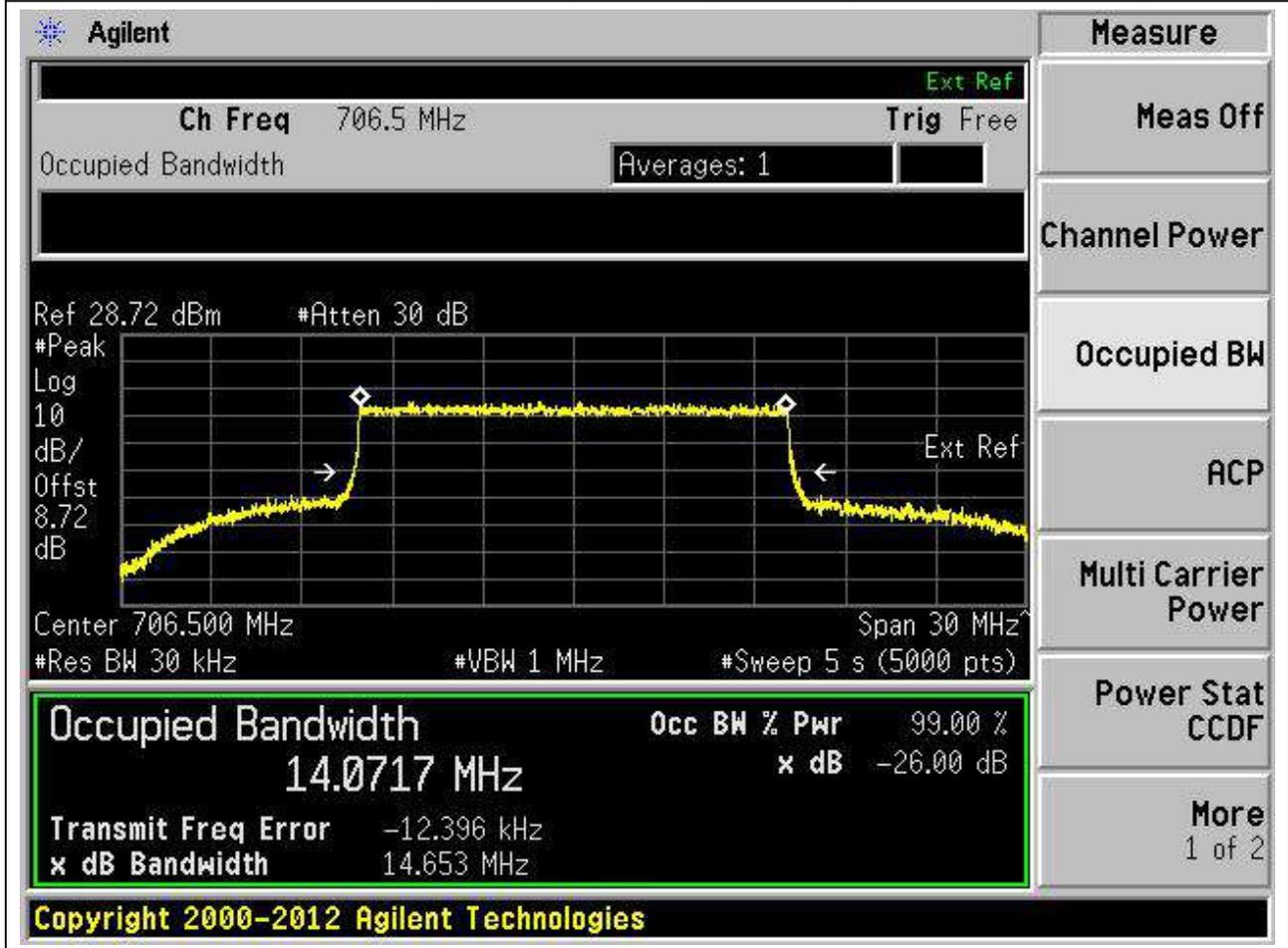
**6.30. Occupied Bandwidth for SA\_Part22-24-27(Channel:141700, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
708.5	99	26	0.03	Peak	14.04	14.6	15	Pass



**6.31. Occupied Bandwidth for SA\_Part22-24-27(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.03	Peak	14.07	14.65	15	Pass



**6.32. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	14.07	14.62	15	Pass

Agilent
Measure

Ch Freq 707.5 MHz 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 28.72 dBm #Atten 30 dB

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

**14.0720 MHz** x dB -26.00 dB

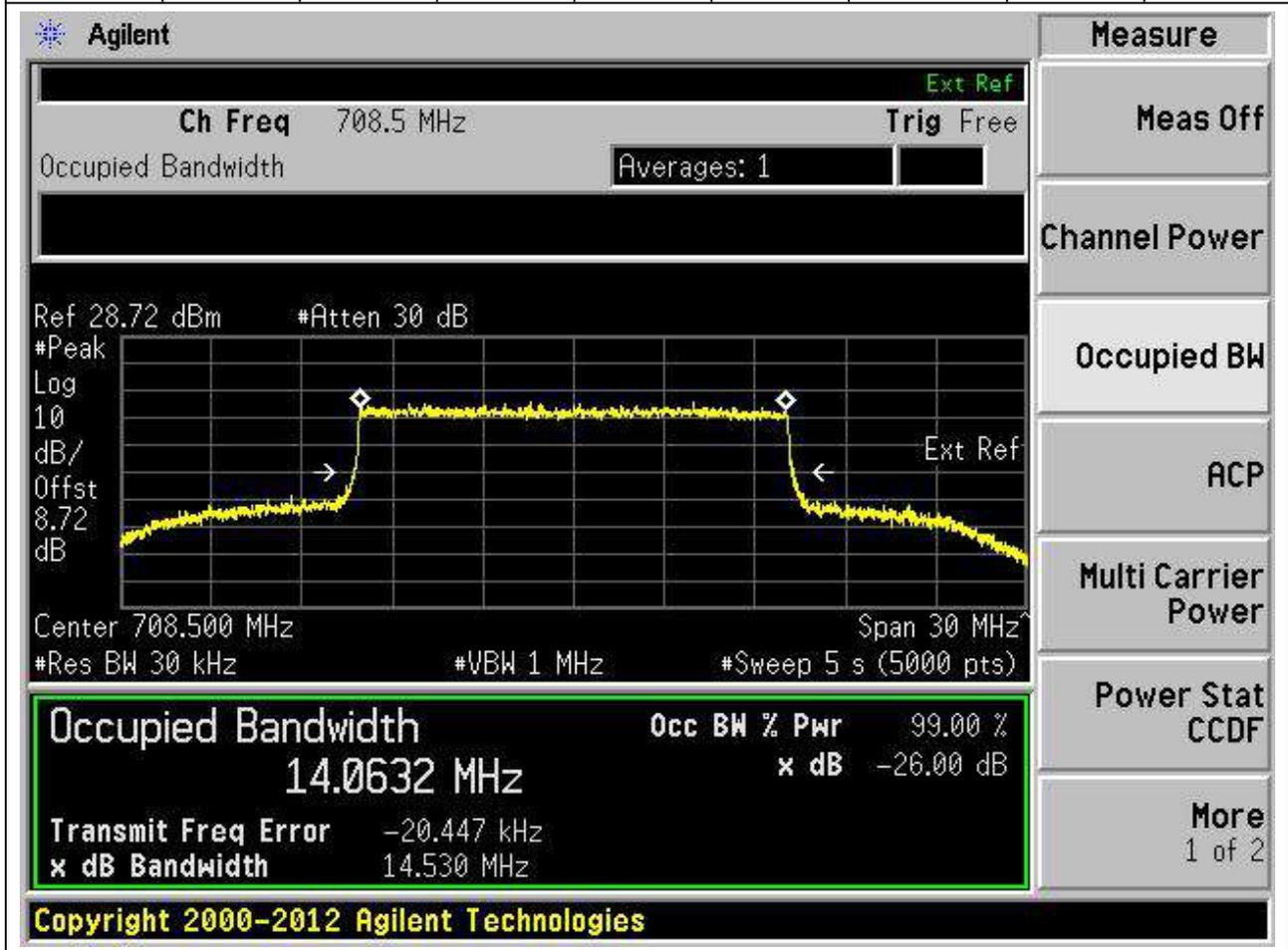
Transmit Freq Error -16.113 kHz

x dB Bandwidth 14.620 MHz

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**6.33. Occupied Bandwidth for SA\_Part22-24-27(Channel:141700, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
708.5	99	26	0.03	Peak	14.06	14.53	15	Pass



**6.34. Occupied Bandwidth for SA\_Part22-24-27(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.03	Peak	14.06	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 706.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0569 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -12.929 kHz, and the XdB bandwidth is 14.624 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0569 MHz	x dB	-26.00 dB
Transmit Freq Error	-12.929 kHz	
x dB Bandwidth	14.624 MHz	

**6.35. Occupied Bandwidth for SA\_Part22-24-27(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	14.06	14.76	15	Pass

**Agilent**
**Measure**

Ch Freq 707.5 MHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 28.72 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10  
 dB/Offst 8.72 dB

Center 707.500 MHz
Span 30 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (5000 pts)

**Occupied Bandwidth**

**14.0628 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -13.655 kHz

**x dB Bandwidth** 14.762 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

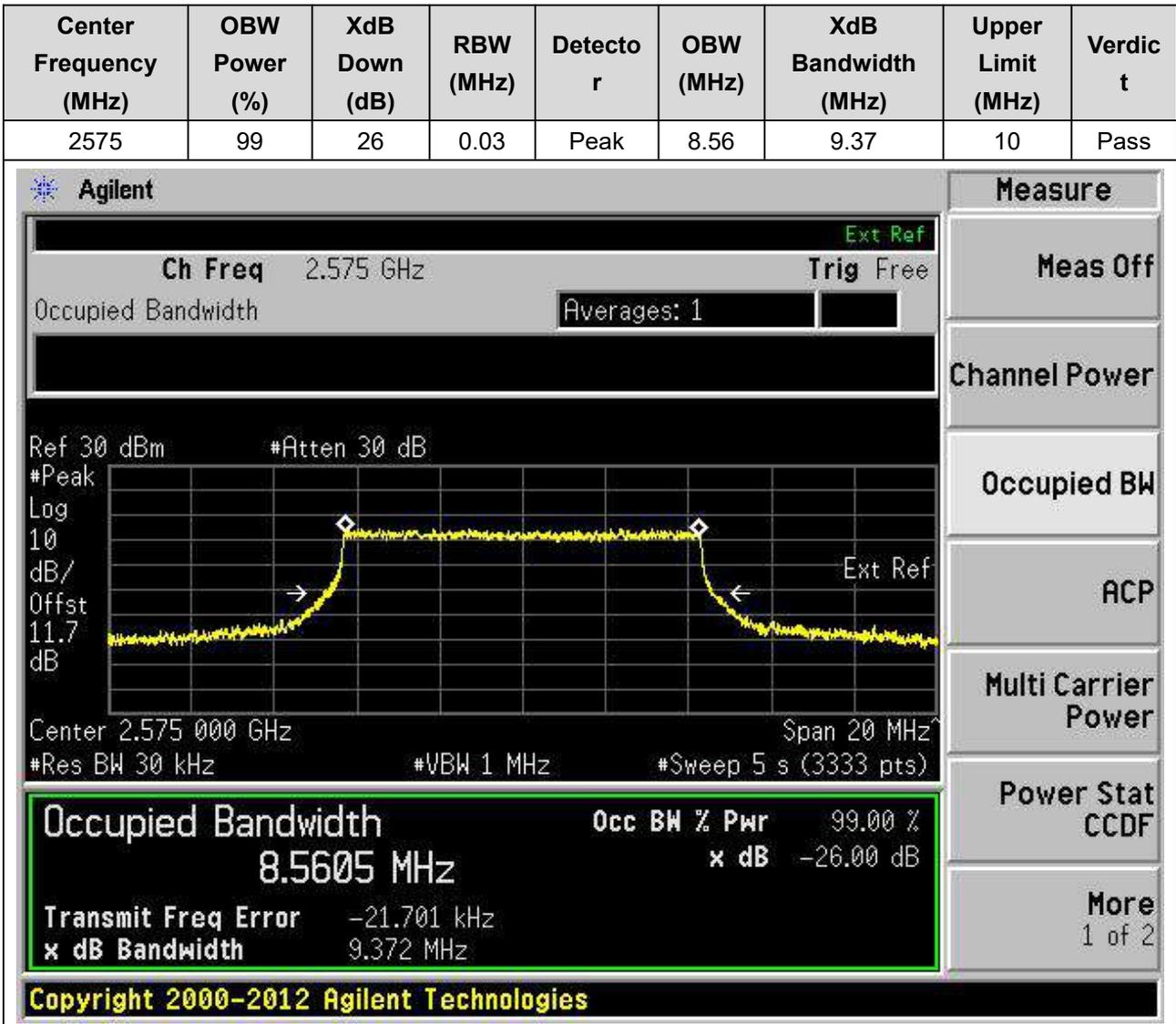
Power Stat CCDF

More  
1 of 2



## 1. n38\_PC3

### 1.1. Occupied Bandwidth for SA\_Part22-24-27(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)



**1.2. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	8.55	9.39	10	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log 10 dB/Offst 11.5 dB

Center 2.595 000 GHz
Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.5549 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.544 kHz	
x dB Bandwidth	9.391 MHz	

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

**1.3. Occupied Bandwidth for SA\_Part22-24-27(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.03	Peak	8.56	9.38	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.615 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5633 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -21.883 kHz, and the XdB bandwidth is 9.380 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	8.5633 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-21.883 kHz
x dB Bandwidth	9.380 MHz

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**1.4. Occupied Bandwidth for SA\_Part22-24-27(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.03	Peak	8.56	9.35	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Center 2.575 000 GHz, Span 20 MHz, #Res BW 30 kHz, #WBW 1 MHz, #Sweep 5 s (3333 pts). The plot shows a signal with a peak at approximately 2.575 GHz. The Occupied Bandwidth (OBW) is measured as 8.5581 MHz, and the XdB Bandwidth is 9.350 MHz. The power level is 99.00% and the XdB Down is -26.00 dB. The transmit frequency error is -18.495 kHz. The interface also shows a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More. The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.5581 MHz	x dB	-26.00 dB
Transmit Freq Error		-18.495 kHz
x dB Bandwidth		9.350 MHz

**1.5. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	8.57	9.49	10	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.595 000 GHz Span 20 MHz  
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.5672 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-16.518 kHz
<b>x dB Bandwidth</b>	9.488 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.6. Occupied Bandwidth for SA\_Part22-24-27(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.03	Peak	8.56	9.35	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.5611 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-20.307 kHz
x dB Bandwidth	9.351 MHz

Additional parameters shown in the interface include: Ch Freq 2.615 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 11.7 dB, Center 2.615 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.7. Occupied Bandwidth for SA\_Part22-24-27(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.03	Peak	8.58	9.5	10	Pass

Agilent

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

Ch Freq 2.575 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.7

dB

Center 2.575 000 GHz
Span 20 MHz

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

**Occupied Bandwidth**  
8.5768 MHz

**Occ BW % Pwr**  
99.00 %

**Transmit Freq Error**  
-18.944 kHz

**x dB Bandwidth**  
9.500 MHz

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**1.8. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	8.56	9.3	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.5635 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.906 kHz
x dB Bandwidth	9.299 MHz

Additional parameters shown in the interface include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.5 dB, Center 2.595 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.9. Occupied Bandwidth for SA\_Part22-24-27(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.03	Peak	8.57	9.47	10	Pass

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

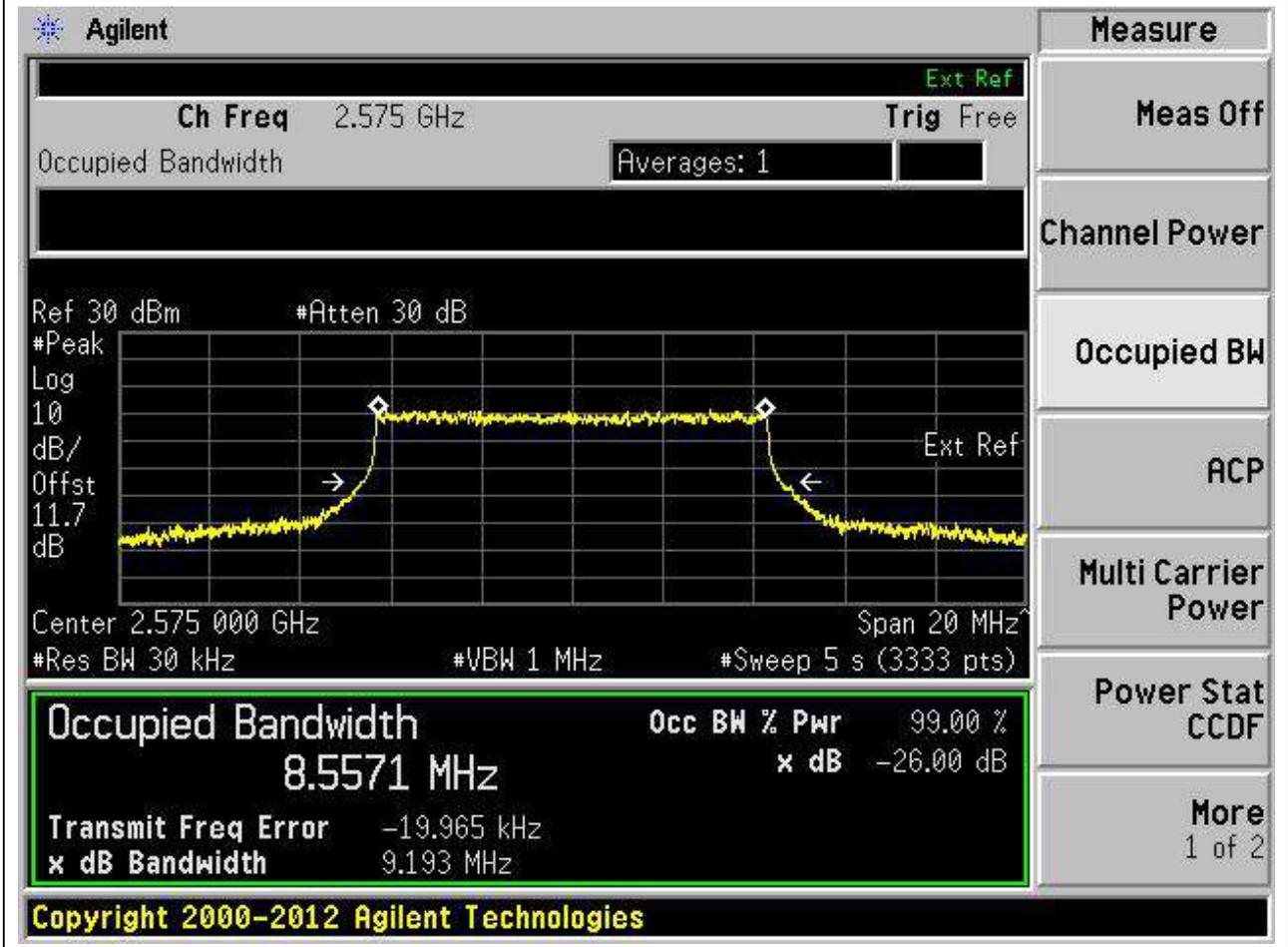
Measurement	Value
Occupied Bandwidth	8.5696 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-14.399 kHz
x dB Bandwidth	9.472 MHz

Additional parameters shown in the interface include: Ch Freq 2.615 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.7 dB, Center 2.615 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.10. Occupied Bandwidth for SA\_Part22-24-27(Channel:515000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.03	Peak	8.56	9.19	10	Pass



**1.11. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	8.56	9.22	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.595 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5604 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -10.264 kHz, and the XdB bandwidth is 9.218 MHz. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	8.5604 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.264 kHz
x dB Bandwidth	9.218 MHz

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**1.12. Occupied Bandwidth for SA\_Part22-24-27(Channel:523000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.03	Peak	8.56	9.2	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.615 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted as 8.5597 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -18.671 kHz, and the XdB bandwidth is 9.204 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	8.5597 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-18.671 kHz
x dB Bandwidth	9.204 MHz

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**1.13. Occupied Bandwidth for SA\_Part22-24-27(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.03	Peak	13.55	14.38	15	Pass

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

Measurement	Value
Occupied Bandwidth	13.5487 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.966 kHz
x dB Bandwidth	14.382 MHz

Other visible parameters include: Ch Freq 2.5775 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 11.7 dB, Center 2.577 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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