

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.08	14.77	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 1.8575 GHz with a span of 30 MHz. The signal level is approximately 30 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 14.0803 MHz, which is 99.00% of the 15 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.178 kHz, and the XdB bandwidth is 14.772 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0803 MHz	x dB	-26.00 dB
Transmit Freq Error		-5.178 kHz
x dB Bandwidth		14.772 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.09	14.71	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.880 000 GHz with a span of 30 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.7 dB'. The horizontal axis is labeled 'Center 1.880 000 GHz' and 'Span 30 MHz'. The plot shows a signal with a peak at approximately 1.880 000 GHz. The signal level is approximately -26.00 dB. The occupied bandwidth is measured as 14.0850 MHz. The power is 99.00%. The XdB Down is -26.00 dB. The RBW is 30 kHz. The VBW is 1 MHz. The sweep is 5 s (5000 pts). The detector is Peak. The upper limit is 15 MHz. The verdict is Pass.

Occupied Bandwidth 14.0850 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -8.595 kHz
x dB Bandwidth 14.713 MHz

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.08	14.66	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 1.9025 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0819 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -17.813 kHz, and the XdB bandwidth is 14.658 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 %
14.0819 MHz	x dB	-26.00 dB
Transmit Freq Error		-17.813 kHz
x dB Bandwidth		14.658 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.07	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.880 000 GHz with a span of 30 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.7 dB'. The horizontal axis is labeled 'Center 1.880 000 GHz' and 'Span 30 MHz'. The plot shows a signal with a peak at 14.0719 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 14.0719 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -17.533 kHz and the 'x dB 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 1 of 2'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.06	14.64	15	Pass

Agilent

Measure

Ch Freq 1.9025 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

10.6

dB

Center 1.902 500 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0650 MHz	x dB	-26.00 dB
Transmit Freq Error		-31.765 kHz
x dB Bandwidth		14.637 MHz

Power Stat
More

CCDF
1 of 2

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.08	14.59	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0831 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.529 kHz
x dB Bandwidth	14.589 MHz

Additional parameters shown in the interface include: Ch Freq 1.8575 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.6 dB, Center 1.857 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.09	14.66	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 1.88 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0910 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -11.809 kHz, and the XdB bandwidth is 14.665 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 %
14.0910 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.809 kHz	
x dB Bandwidth	14.665 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.08	14.65	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.9025 GHz with a span of 30 MHz. The vertical axis is labeled 'dB/Offst' with a scale of 10.6 dB. The horizontal axis is labeled 'Center' with a value of 1.902500 GHz. The plot shows a signal with a flat top and sloped sides, indicating a multi-carrier signal. The top of the plot is labeled 'Ext Ref'.

Below the plot, the following parameters are displayed:

- Center: 1.902 500 GHz
- Span: 30 MHz
- #Res BW: 30 kHz
- #VBW: 1 MHz
- #Sweep: 5 s (5000 pts)

The measurement results are shown in a green-bordered box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0808 MHz	x dB	-26.00 dB
Transmit Freq Error		-23.305 kHz
x dB Bandwidth		14.649 MHz

On the right side of the interface, there is a 'Measure' menu with the following options:

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

At the bottom of the interface, the copyright notice reads: Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.09	14.74	15	Pass

Agilent
Measure

Ch Freq 1.8575 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.6
dB

Center 1.857 500 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

14.0879 MHz
x dB -26.00 dB

Transmit Freq Error -4.204 kHz

x dB Bandwidth 14.741 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.08	14.75	15	Pass

Agilent

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.880 000 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

14.0820 MHz x dB -26.00 dB

Transmit Freq Error -12.876 kHz

x dB Bandwidth 14.749 MHz

Copyright 2000-2012 Agilent Technologies

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.08	14.78	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	14.0805 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-23.030 kHz
x dB Bandwidth	14.778 MHz

Additional parameters shown in the interface include: Ch Freq 1.9025 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.6 dB, Center 1.902500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.03	Peak	18.9	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 1.86 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.9014 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes various control buttons and a measurement menu on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
18.9014 MHz		x dB	-26.00 dB
Transmit Freq Error		-1.962 kHz	
x dB Bandwidth		19.542 MHz	

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.91	19.54	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.880 000 GHz with a span of 40 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.7 dB'. The horizontal axis is labeled 'Center 1.880 000 GHz' and 'Span 40 MHz'. The plot shows a signal with a peak at approximately 18.9149 MHz. The signal is measured with a resolution bandwidth of 30 kHz and a video bandwidth of 1 MHz. The sweep time is 5 seconds (6666 points). The signal is measured with a reference level of 30 dBm and an attenuation of 30 dB. The signal is measured with a peak detector and an external reference. The signal is measured with a 10 dB offset. The signal is measured with a 10.7 dB offset. The signal is measured with a 10 dB offset. The signal is measured with a 10.7 dB offset. The signal is measured with a 10 dB offset. The signal is measured with a 10.7 dB offset.

Occupied Bandwidth 18.9149 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -8.335 kHz
x dB Bandwidth 19.545 MHz

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.9	19.52	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 1.900 000 GHz with a span of 40 MHz. The signal level is approximately 10.6 dB. The occupied bandwidth is highlighted with a green box and shows a value of 18.8975 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -24.923 kHz and the XdB bandwidth is 19.518 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	18.8975 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-24.923 kHz
x dB Bandwidth	19.518 MHz

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.03	Peak	18.89	19.46	20	Pass

Agilent

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

Ch Freq 1.86 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.6

dB

Ext Ref

Center 1.860 000 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

18.8937 MHz

x dB -26.00 dB

Transmit Freq Error -3.879 kHz

x dB Bandwidth 19.459 MHz

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.91	19.5	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 1.880 000 GHz with a span of 40 MHz. The signal level is approximately 10.7 dB. The occupied bandwidth is highlighted in green and shows a value of 18.9124 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters such as Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.9124 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.448 kHz	
x dB Bandwidth	19.499 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.9	19.36	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 1.900 000 GHz with a span of 40 MHz. The signal level is approximately 10.6 dB. The occupied bandwidth is highlighted with a green box and shows a value of 18.9005 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -20.895 kHz and the XdB bandwidth is 19.361 MHz. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.9005 MHz	x dB	-26.00 dB
Transmit Freq Error		-20.895 kHz
x dB Bandwidth		19.361 MHz

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.03	Peak	18.89	19.42	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 1.860 000 GHz with a span of 40 MHz. The signal level is approximately -26 dB. The occupied bandwidth is measured as 18.8945 MHz, which is 99.00% of the 19.425 MHz bandwidth. The XdB Down is -26.00 dB. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8945 MHz	x dB	-26.00 dB
Transmit Freq Error	-943.618 Hz	
x dB Bandwidth	19.425 MHz	

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.91	19.44	20	Pass

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

Measurement	Value
Occupied Bandwidth	18.9072 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.621 kHz
x dB Bandwidth	19.440 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.7 dB, Center 1.880 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

Copyright 2000-2012 Agilent Technologies

1.45. Occupied Bandwidth for SA_Part22-24-27(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.89	19.41	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	18.8929 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-25.631 kHz
x dB Bandwidth	19.413 MHz

Additional parameters shown in the interface include: Ch Freq 1.9 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.6 dB, Center 1.900 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

Copyright 2000-2012 Agilent Technologies

1.46. Occupied Bandwidth for SA_Part22-24-27(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.03	Peak	18.9	19.54	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.860 000 GHz with a span of 40 MHz. The y-axis is labeled 'dB/Offst' and ranges from 10 to 10.6 dB. The plot shows a signal with a bandwidth of approximately 18.9 MHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 18.9035 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 38.180 Hz and the 'x dB Bandwidth' is 19.538 MHz. The interface also shows various settings such as 'Ch Freq 1.86 GHz', 'Trig Free', 'Averages: 1', 'Ref 30 dBm', '#Atten 30 dB', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (6666 pts)'. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

1.47. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.93	19.53	20	Pass

Agilent
Measure

Ch Freq 1.88 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.880 000 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

18.9304 MHz x dB -26.00 dB

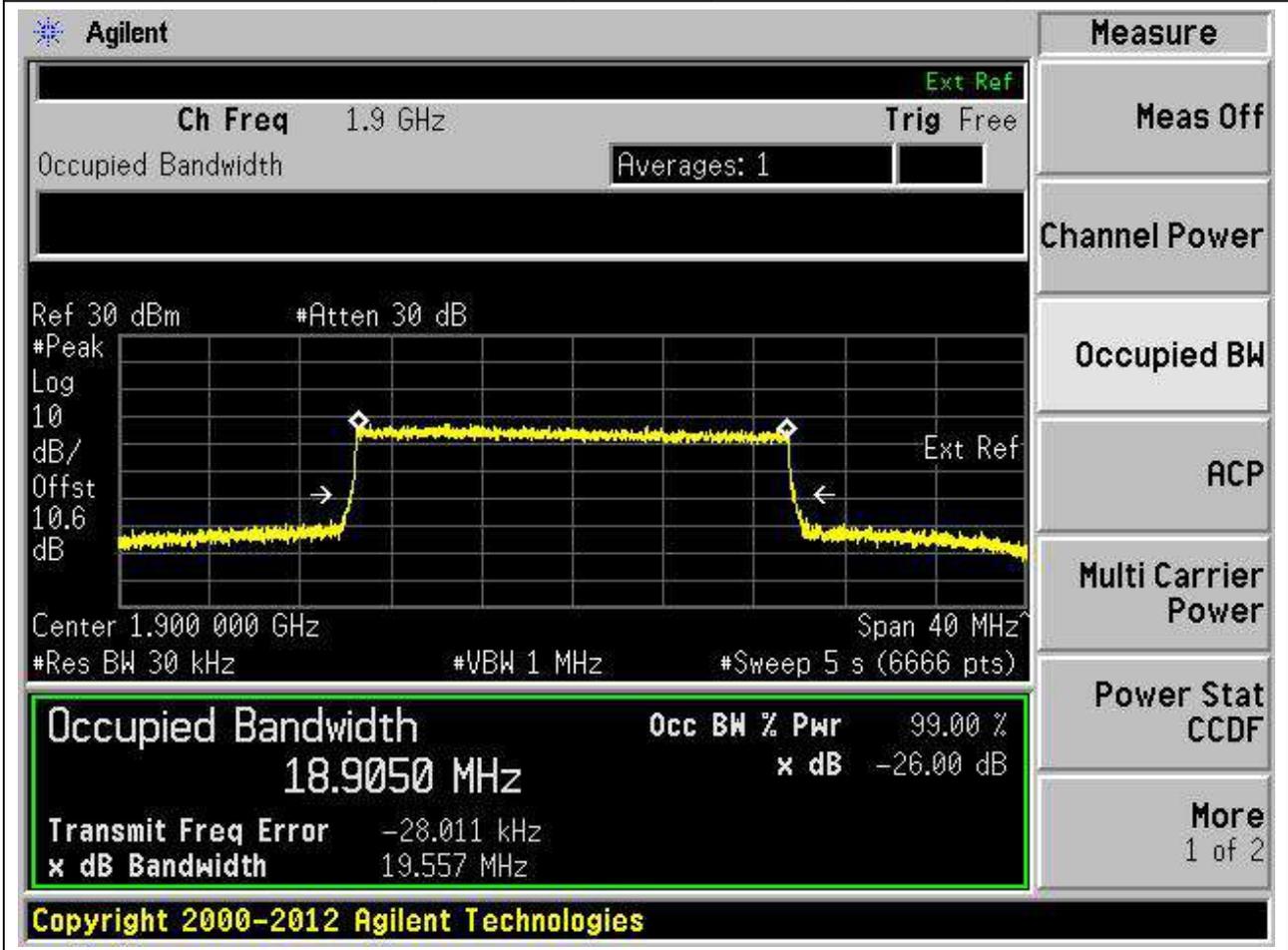
Transmit Freq Error -8.738 kHz

x dB Bandwidth 19.527 MHz

Copyright 2000-2012 Agilent Technologies

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.91	19.56	20	Pass



1.49. Occupied Bandwidth for SA_Part22-24-27(Channel:372500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1862.5	99	26	1	Peak	24.17	26.22	25	Pass

Agilent
Measure

Ch Freq 1.8625 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 10.6 dB

Center 1.862 500 GHz Span 50 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

24.1738 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 11.128 kHz

x dB Bandwidth 26.216 MHz

Copyright 2000-2012 Agilent Technologies

1.50. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	24.24	26.25	25	Pass

Agilent
Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

24.2358 MHz

Transmit Freq Error -8.322 kHz

x dB Bandwidth 26.247 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

1.51. Occupied Bandwidth for SA_Part22-24-27(Channel:379500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1897.5	99	26	1	Peak	24.16	26.21	25	Pass

Agilent
Measure

Ch Freq 1.8975 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.897 500 GHz Span 50 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
24.1605 MHz	x dB	-26.00 dB
Transmit Freq Error	-40.852 kHz	
x dB Bandwidth	26.212 MHz	

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.52. Occupied Bandwidth for SA_Part22-24-27(Channel:372500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1862.5	99	26	1	Peak	24.11	26.24	25	Pass

Agilent
Measure

Ch Freq 1.8625 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

24.1092 MHz x dB -26.00 dB

Transmit Freq Error -44.263 kHz

x dB Bandwidth 26.241 MHz

Copyright 2000-2012 Agilent Technologies

1.53. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	24.17	26.26	25	Pass

Agilent

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

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.7

dB

Center 1.880 000 GHz Span 50 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
24.1650 MHz	x dB -26.00 dB
Transmit Freq Error	-55.132 kHz
x dB Bandwidth	26.263 MHz

Copyright 2000-2012 Agilent Technologies

1.54. Occupied Bandwidth for SA_Part22-24-27(Channel:379500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1897.5	99	26	1	Peak	24.12	26.25	25	Pass

Agilent
Measure

Ch Freq 1.8975 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

24.1237 MHz

x dB -26.00 dB

Transmit Freq Error -97.292 kHz

x dB Bandwidth 26.249 MHz

Copyright 2000-2012 Agilent Technologies

1.55. Occupied Bandwidth for SA_Part22-24-27(Channel:372500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1862.5	99	26	1	Peak	24.08	26.21	25	Pass

Agilent
Measure

Ch Freq 1.8625 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

24.0823 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -45.461 kHz

x dB Bandwidth 26.211 MHz

Copyright 2000-2012 Agilent Technologies

1.56. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	24.15	26.3	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.88 GHz, and the span is 50 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The plot shows a signal with a peak at approximately 1.88 GHz. The occupied bandwidth is measured as 24.1534 MHz, and the power is 99.00% at -26.00 dB. The transmit frequency error is -53.944 kHz, and the x dB bandwidth is 26.302 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 %
24.1534 MHz	x dB	-26.00 dB
Transmit Freq Error	-53.944 kHz	
x dB Bandwidth	26.302 MHz	

1.57. Occupied Bandwidth for SA_Part22-24-27(Channel:379500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1897.5	99	26	1	Peak	24.09	26.21	25	Pass

Agilent

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

Ch Freq 1.8975 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.897 500 GHz Span 50 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
24.0895 MHz	x dB	-26.00 dB
Transmit Freq Error	-99.964 kHz	
x dB Bandwidth	26.208 MHz	

Copyright 2000-2012 Agilent Technologies

1.58. Occupied Bandwidth for SA_Part22-24-27(Channel:372500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1862.5	99	26	1	Peak	24.1	26.22	25	Pass

Agilent
Measure

Ch Freq 1.8625 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.6
dB

Center 1.862 500 GHz
Span 50 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

24.1006 MHz
x dB -26.00 dB

Transmit Freq Error
-57.276 kHz

x dB Bandwidth
26.217 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.59. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	24.18	26.27	25	Pass

Agilent

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

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 1.880 000 GHz
Span 50 MHz

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

Occupied Bandwidth
24.1794 MHz

Occ BW % Pwr
99.00 %

Transmit Freq Error
-77.616 kHz

x dB Bandwidth
26.270 MHz

Copyright 2000-2012 Agilent Technologies

Document No: BL-SZ2570858

Page 793 of 1979

1.60. Occupied Bandwidth for SA_Part22-24-27(Channel:379500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1897.5	99	26	1	Peak	24.09	26.21	25	Pass

Agilent
Measure

Ch Freq 1.8975 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.897 500 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
24.0917 MHz	x dB -26.00 dB
Transmit Freq Error	-114.236 kHz
x dB Bandwidth	26.210 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.61. Occupied Bandwidth for SA_Part22-24-27(Channel:373000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1865	99	26	1	Peak	28.86	31.12	30	Pass

Agilent

Measure

Ch Freq 1.865 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Center 1.865 00 GHz
Span 60 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.8621 MHz	x dB -26.00 dB
Transmit Freq Error	-67.972 kHz
x dB Bandwidth	31.116 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

Copyright 2000-2012 Agilent Technologies

1.62. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	28.92	31.11	30	Pass

Agilent
Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.880 00 GHz Span 60 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

28.9212 MHz

Transmit Freq Error -92.951 kHz

x dB Bandwidth 31.106 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

1.63. Occupied Bandwidth for SA_Part22-24-27(Channel:379000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1895	99	26	1	Peak	28.82	31.07	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.895 GHz, and the span is 60 MHz. The occupied bandwidth is highlighted as 28.8225 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various control buttons and a measurement menu on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
28.8225 MHz		x dB	-26.00 dB
Transmit Freq Error	-124.404 kHz		
x dB Bandwidth	31.067 MHz		

Copyright 2000-2012 Agilent Technologies

1.64. Occupied Bandwidth for SA_Part22-24-27(Channel:373000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1865	99	26	1	Peak	28.86	31.05	30	Pass

Agilent
Measure

Ch Freq 1.865 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.865 00 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.8641 MHz	x dB -26.00 dB
Transmit Freq Error	-31.936 kHz
x dB Bandwidth	31.053 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.65. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	28.93	31.09	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 10.7 dB' and the x-axis is 'Center 1.880 00 GHz'. The plot shows a signal with a peak at approximately 1.88 GHz. The 'Occupied Bandwidth' is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.9314 MHz	x dB	-26.00 dB
Transmit Freq Error		-58.075 kHz
x dB Bandwidth		31.089 MHz

Other parameters visible in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Span 60 MHz, and Ext Ref. The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

1.66. Occupied Bandwidth for SA_Part22-24-27(Channel:379000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1895	99	26	1	Peak	28.88	31.07	30	Pass

Agilent
Measure

Ch Freq 1.895 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

28.8803 MHz

Transmit Freq Error -90.648 kHz

x dB Bandwidth 31.075 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

1.67. Occupied Bandwidth for SA_Part22-24-27(Channel:373000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1865	99	26	1	Peak	28.84	31.19	30	Pass

Agilent

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

Ch Freq 1.865 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.6

dB

Center 1.865 00 GHz Span 60 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

28.8396 MHz x dB -26.00 dB

Transmit Freq Error -49.444 kHz

x dB Bandwidth 31.188 MHz

Copyright 2000-2012 Agilent Technologies

1.68. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	28.91	31.19	30	Pass

Agilent

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

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.7

dB

Center 1.880 00 GHz Span 60 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

28.9057 MHz x dB -26.00 dB

Transmit Freq Error -79.472 kHz

x dB Bandwidth 31.185 MHz

Copyright 2000-2012 Agilent Technologies

1.69. Occupied Bandwidth for SA_Part22-24-27(Channel:379000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1895	99	26	1	Peak	28.83	31.18	30	Pass

Agilent
Measure

Ch Freq 1.895 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

28.8256 MHz

Transmit Freq Error -110.676 kHz

x dB Bandwidth 31.185 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

1.70. Occupied Bandwidth for SA_Part22-24-27(Channel:373000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1865	99	26	1	Peak	28.81	31.13	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst' with values 10 and 10.6 dB. The x-axis is labeled 'Center' with a value of 1.865 00 GHz and 'Span' with a value of 60 MHz. The plot shows a signal with a flat top and sloped sides, characteristic of a modulated signal. Two diamond markers are placed on the flat top of the signal. The text 'Ext Ref' is visible in the top right of the plot area.

Below the plot, the following measurement data is displayed:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.8136 MHz	x dB	-26.00 dB
Transmit Freq Error		-62.169 kHz
x dB Bandwidth		31.126 MHz

Additional parameters shown in the interface include: Ch Freq 1.865 GHz, Trig Free, Averages: 1, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), and Ref 30 dBm #Atten 30 dB. The 'Measure' menu on the right includes options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Copyright 2000-2012 Agilent Technologies

1.71. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	28.88	31.18	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 10.7 dB'. The x-axis is labeled 'Center 1.880 00 GHz' and 'Span 60 MHz'. The plot shows a signal with a flat top and sloped sides, characteristic of a channel with occupied bandwidth. Two white diamonds mark the -26 dB points on the trace. The text 'Ext Ref' is visible in the top right of the plot area.

Below the plot, the following measurement data is displayed:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
28.8767 MHz	x dB	-26.00 dB
Transmit Freq Error		-82.897 kHz
x dB Bandwidth		31.184 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), and Ref 30 dBm #Atten 30 dB.

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

At the bottom of the interface, the copyright notice reads: Copyright 2000-2012 Agilent Technologies.

1.72. Occupied Bandwidth for SA_Part22-24-27(Channel:379000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1895	99	26	1	Peak	28.78	31.14	30	Pass

Agilent
Measure

Ch Freq 1.895 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.895 00 GHz Span 60 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
28.7813 MHz	x dB -26.00 dB
Transmit Freq Error	-113.638 kHz
x dB Bandwidth	31.139 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.73. Occupied Bandwidth for SA_Part22-24-27(Channel:373500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1867.5	99	26	1	Peak	33.75	36.1	35	Pass

Agilent
Measure

Ch Freq 1.8675 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 dB

Center 1.867 500 GHz Span 70 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

33.7524 MHz x dB -26.00 dB

Transmit Freq Error -73.298 kHz

x dB Bandwidth 36.098 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.74. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	33.81	36.17	35	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 1.88 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 33.8128 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-104.711 kHz) and x dB Bandwidth (36.172 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

1.75. Occupied Bandwidth for SA_Part22-24-27(Channel:378500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1892.5	99	26	1	Peak	33.76	36.18	35	Pass

Agilent

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

Ch Freq 1.8925 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.892 500 GHz Span 70 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
33.7615 MHz	x dB	-26.00 dB
Transmit Freq Error	-115.408 kHz	
x dB Bandwidth	36.178 MHz	

Copyright 2000-2012 Agilent Technologies

1.76. Occupied Bandwidth for SA_Part22-24-27(Channel:373500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1867.5	99	26	1	Peak	33.88	36.27	35	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 10.5 dB' and the x-axis is 'Center 1.867 500 GHz'. The plot shows a signal with a peak at approximately 1.8675 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 33.8844 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -11.179 kHz and the 'x dB Bandwidth' is 36.265 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
33.8844 MHz	99.00 %	-26.00 dB

1.77. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	33.95	36.27	35	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst' with values 10, 10.7, and dB. The x-axis is labeled 'Center' with a value of 1.880 000 GHz and 'Span' with a value of 70 MHz. The plot shows a signal with a peak at approximately 1.88 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 33.9500 MHz. The 'Occ BW % Pwr' is 99.00 % and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -38.368 kHz and the 'x dB Bandwidth' is 36.275 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
33.9500 MHz	99.00 %	-26.00 dB

1.78. Occupied Bandwidth for SA_Part22-24-27(Channel:378500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1892.5	99	26	1	Peak	33.84	36.16	35	Pass

Agilent
Measure

Ch Freq 1.8925 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.892 500 GHz Span 70 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
33.8356 MHz	x dB -26.00 dB
Transmit Freq Error	-69.719 kHz
x dB Bandwidth	36.164 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.79. Occupied Bandwidth for SA_Part22-24-27(Channel:373500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1867.5	99	26	1	Peak	33.85	36.16	35	Pass

Agilent

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

Ch Freq 1.8675 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.867 500 GHz Span 70 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
33.8513 MHz	x dB -26.00 dB
Transmit Freq Error	-37.684 kHz
x dB Bandwidth	36.160 MHz

Copyright 2000-2012 Agilent Technologies

1.80. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	33.92	36.23	35	Pass

Agilent
Measure

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.880 000 GHz Span 70 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
33.9215 MHz	x dB -26.00 dB
Transmit Freq Error	-81.096 kHz
x dB Bandwidth	36.226 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.81. Occupied Bandwidth for SA_Part22-24-27(Channel:378500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1892.5	99	26	1	Peak	33.83	36.2	35	Pass

Agilent
Measure

Ch Freq 1.8925 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 1.892 500 GHz Span 70 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

33.8334 MHz

Transmit Freq Error -119.249 kHz

x dB Bandwidth 36.204 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

1.82. Occupied Bandwidth for SA_Part22-24-27(Channel:373500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1867.5	99	26	1	Peak	33.84	36.14	35	Pass

Agilent
Measure

Ch Freq 1.8675 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.867 500 GHz Span 70 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
33.8386 MHz	x dB -26.00 dB
Transmit Freq Error	-18.180 kHz
x dB Bandwidth	36.141 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.83. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	33.86	36.18	35	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.88 GHz, and the span is 70 MHz. The occupied bandwidth is highlighted in green, showing a value of 33.8640 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -35.963 kHz, and the XdB bandwidth is 36.179 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 %
33.8640 MHz	x dB	-26.00 dB
Transmit Freq Error		-35.963 kHz
x dB Bandwidth		36.179 MHz

1.84. Occupied Bandwidth for SA_Part22-24-27(Channel:378500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:188, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1892.5	99	26	1	Peak	33.79	36.1	35	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	33.7948 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-85.692 kHz
x dB Bandwidth	36.100 MHz

Additional parameters shown in the interface include: Ch Freq 1.8925 GHz, Res BW 1 MHz, VBW 3 MHz, Span 70 MHz, Sweep 5 s (401 pts), and a copyright notice for Agilent Technologies (2000-2012).

1.85. Occupied Bandwidth for SA_Part22-24-27(Channel:374000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1870	99	26	1	Peak	38.72	41.28	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.870 GHz and a span of 80 MHz. The resolution bandwidth (RBW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 38.7185 MHz, which is 99.00% of the 40 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -36.966 kHz, and the x dB bandwidth is 41.282 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 %
38.7185 MHz	x dB	-26.00 dB
Transmit Freq Error		-36.966 kHz
x dB Bandwidth		41.282 MHz

1.86. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	38.78	41.25	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 1.88 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 38.7787 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-92.017 kHz) and x dB Bandwidth (41.251 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

1.87. Occupied Bandwidth for SA_Part22-24-27(Channel:378000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1890	99	26	1	Peak	38.68	41.3	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.890 GHz with a span of 80 MHz. The y-axis is labeled 'Log 10 dB/Offst 10.7 dB'. The plot shows a signal with a peak at approximately 1.890 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 38.6833 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -116.981 kHz and the 'x dB Bandwidth' is 41.299 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
38.6833 MHz	99.00 %	-26.00 dB

1.88. Occupied Bandwidth for SA_Part22-24-27(Channel:374000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1870	99	26	1	Peak	38.77	41.25	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 1.87 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 38.7653 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-65.817 kHz) and x dB Bandwidth (41.249 MHz). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

1.89. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	38.82	41.22	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 1.88 GHz. The 'Occupied Bandwidth' measurement is highlighted in green, showing a value of 38.8152 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -118.231 kHz and the 'x dB Bandwidth' is 41.223 MHz. The interface also shows various settings like 'Ch Freq 1.88 GHz', 'Trig Free', 'Averages: 1', 'Ref 30 dBm', '#Atten 30 dB', 'Center 1.880 0 GHz', 'Span 80 MHz', '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 5 s (401 pts)'. A vertical menu on the right side includes options like 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

1.90. Occupied Bandwidth for SA_Part22-24-27(Channel:378000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1890	99	26	1	Peak	38.76	41.22	40	Pass

Agilent
Measure

Ch Freq 1.89 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.890 0 GHz Span 80 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
38.7573 MHz	x dB -26.00 dB
Transmit Freq Error	-164.815 kHz
x dB Bandwidth	41.223 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.91. Occupied Bandwidth for SA_Part22-24-27(Channel:374000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1870	99	26	1	Peak	38.85	41.28	40	Pass

Agilent
Measure

Ch Freq 1.87 GHz Ext Ref

Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Occupied Bandwidth Occ BW % Pwr 99.00 %

38.8496 MHz x dB -26.00 dB

Transmit Freq Error 14.154 kHz

x dB Bandwidth 41.284 MHz

Copyright 2000-2012 Agilent Technologies

1.92. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	38.91	41.24	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 1.88 GHz. The measurement results are summarized in the bottom section:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.9149 MHz	x dB	-26.00 dB
Transmit Freq Error		-27.025 kHz
x dB Bandwidth		41.242 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 10.7 dB, Center 1.880 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

Copyright 2000-2012 Agilent Technologies

1.93. Occupied Bandwidth for SA_Part22-24-27(Channel:378000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1890	99	26	1	Peak	38.82	41.29	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.89 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted as 38.8219 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -48.526 kHz, and the XdB bandwidth is 41.291 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.8219 MHz	x dB	-26.00 dB
Transmit Freq Error		-48.526 kHz
x dB Bandwidth		41.291 MHz

1.94. Occupied Bandwidth for SA_Part22-24-27(Channel:374000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1870	99	26	1	Peak	38.72	41.18	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.870 GHz and a span of 80 MHz. The y-axis is labeled 'Log dB/Offst' with a scale of 10.5 dB. The plot shows a signal with a peak at approximately 1.870 GHz. The 'Occupied Bandwidth' is measured as 38.7199 MHz, which is 99.00% of the 40 MHz channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -43.463 kHz, and the XdB Bandwidth is 41.184 MHz. The interface also shows various measurement settings such as 'Ch Freq 1.87 GHz', 'Trig Free', 'Averages: 1', and 'Ref 30 dBm #Atten 30 dB'. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.7199 MHz	x dB	-26.00 dB
Transmit Freq Error		-43.463 kHz
x dB Bandwidth		41.184 MHz

Copyright 2000-2012 Agilent Technologies

1.95. Occupied Bandwidth for SA_Part22-24-27(Channel:376000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	1	Peak	38.74	41.19	40	Pass

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

Measurement	Value
Occupied Bandwidth	38.7390 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-69.416 kHz
x dB Bandwidth	41.191 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 10.7 dB, Center 1.880 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

Copyright 2000-2012 Agilent Technologies

1.96. Occupied Bandwidth for SA_Part22-24-27(Channel:378000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1890	99	26	1	Peak	38.67	41.21	40	Pass

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

Measurement	Value
Occupied Bandwidth	38.6680 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-109.448 kHz
x dB Bandwidth	41.206 MHz

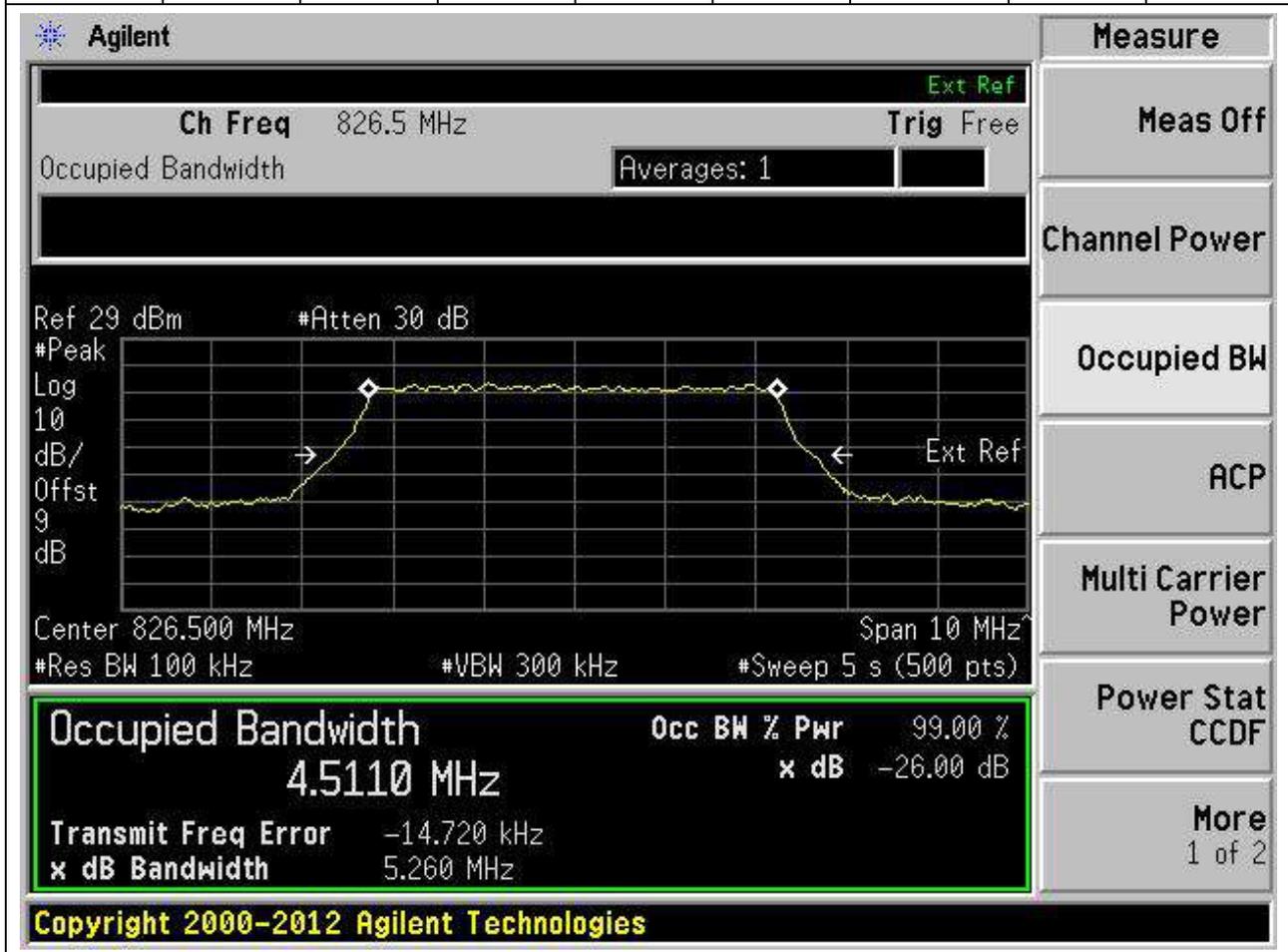
Additional parameters shown in the interface include: Ch Freq 1.89 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.7 dB, Center 1.890 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

Copyright 2000-2012 Agilent Technologies

2. n26 15kHz(824-849)

2.1. Occupied Bandwidth for SA_Part22-24-27(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)

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	4.51	5.26	5	Pass



2.2. 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	4.51	5.34	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

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

4.5110 MHz

Transmit Freq Error -2.383 kHz

x dB Bandwidth 5.337 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

2.3. 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	5.29	5	Pass

Agilent

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

Ch Freq 846.5 MHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 28.99 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.99

dB
Ext Ref

Center 846.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5042 MHz	x dB -26.00 dB
Transmit Freq Error	-16.204 kHz
x dB Bandwidth	5.288 MHz

Copyright 2000-2012 Agilent Technologies

2.4. 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	4.52	5.28	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 %

4.5237 MHz

x dB -26.00 dB

Transmit Freq Error -7.023 kHz

x dB Bandwidth 5.282 MHz

Copyright 2000-2012 Agilent Technologies

2.5. 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	4.55	5.33	5	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 29 dBm
#Atten 30 dB

#Peak
Ext Ref

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)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5512 MHz	x dB	-26.00 dB
Transmit Freq Error	5.020 kHz	
x dB Bandwidth	5.329 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

Copyright 2000-2012 Agilent Technologies

2.6. 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	4.54	5.28	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 8.99 dB' and the x-axis is 'Center 846.500 MHz'. The plot shows a signal with a peak at approximately 846.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.5386 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -7.517 kHz and the 'x dB Bandwidth' is 5.281 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5386 MHz	99.00 %	-26.00 dB

2.7. 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	5.27	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
Ext Ref

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 %
4.5211 MHz	x dB	-26.00 dB
Transmit Freq Error		-14.208 kHz
x dB Bandwidth		5.271 MHz

Power Stat
CCDF

More
1 of 2

Copyright 2000-2012 Agilent Technologies

2.8. 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	4.55	5.34	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

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

4.5525 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -22.546 kHz

x dB Bandwidth 5.340 MHz

Copyright 2000-2012 Agilent Technologies

2.9. 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	4.53	5.28	5	Pass

Agilent

Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 28.99 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

8.99
dB

Center 846.500 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5286 MHz	x dB -26.00 dB
Transmit Freq Error	-17.775 kHz
x dB Bandwidth	5.282 MHz

Power Stat
CCDF

More
1 of 2

Copyright 2000-2012 Agilent Technologies

2.10. 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	4.53	5.36	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)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5264 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.195 kHz	
x dB Bandwidth	5.357 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

Copyright 2000-2012 Agilent Technologies

2.11. 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	4.53	5.32	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

4.5313 MHz

Transmit Freq Error -9.967 kHz

x dB Bandwidth 5.321 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

2.12. 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	5.34	5	Pass

Agilent

Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 28.99 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

8.99
dB

Center 846.500 MHz
Span 10 MHz

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

Occupied Bandwidth

4.5348 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -9.457 kHz

x dB Bandwidth 5.339 MHz

Copyright 2000-2012 Agilent Technologies

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

2.13. Occupied Bandwidth for SA_Part22-24-27(Channel: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	9.76	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 829.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

9.2609 MHz x dB -26.00 dB

Transmit Freq Error -8.292 kHz

x dB Bandwidth 9.764 MHz

Copyright 2000-2012 Agilent Technologies

Measure

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

2.14. 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	9.77	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 9.2526 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 available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	9.2526 MHz
Occ BW % Pwr	99.00 %
x dB Bandwidth	9.765 MHz
Transmit Freq Error	-9.189 kHz
x dB Bandwidth	9.765 MHz

Copyright 2000-2012 Agilent Technologies

2.15. 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	9.77	10	Pass

Agilent

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)

Occupied Bandwidth Occ BW % Pwr 99.00 %

9.2609 MHz x dB -26.00 dB

Transmit Freq Error -14.235 kHz

x dB Bandwidth 9.775 MHz

Copyright 2000-2012 Agilent Technologies

Measure

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

2.16. Occupied Bandwidth for SA_Part22-24-27(Channel: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	9.77	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 829.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2671 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -2.579 kHz, and the XdB bandwidth is 9.768 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 %
9.2671 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.579 kHz
x dB Bandwidth		9.768 MHz

2.17. Occupied Bandwidth for SA_Part22-24-27(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)

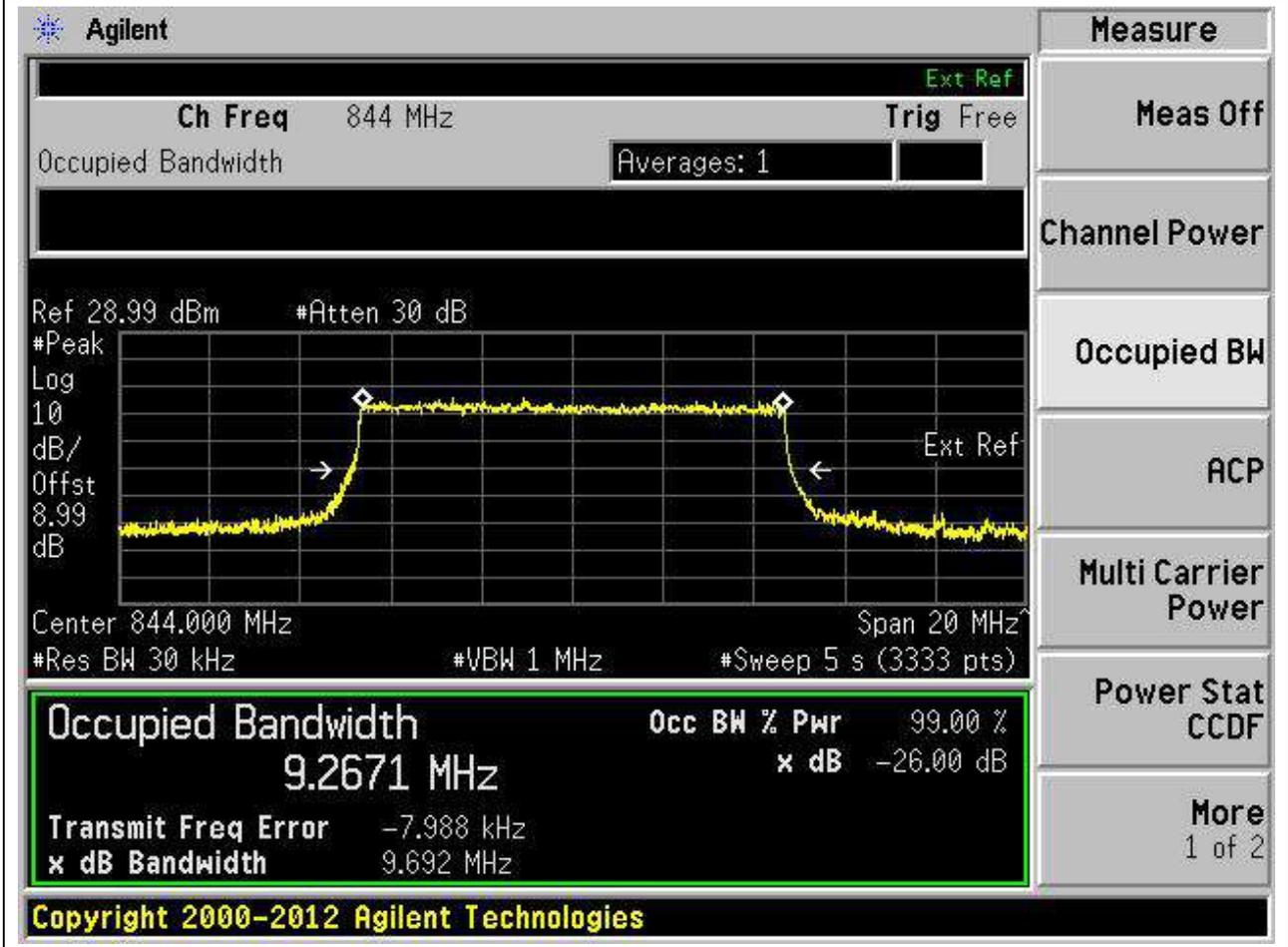
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.7	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 836.500 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2576 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -3.862 kHz, and the XdB bandwidth is 9.696 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 %
9.2576 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.862 kHz	
x dB Bandwidth	9.696 MHz	

2.18. 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	9.69	10	Pass



2.19. 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	9.85	10	Pass

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

Measurement	Value
Occupied Bandwidth	9.2499 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.963 kHz
x dB Bandwidth	9.848 MHz

Additional parameters shown in the interface include: Ch Freq 829 MHz, Trig Free, 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).

Copyright 2000-2012 Agilent Technologies

2.20. 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	9.76	10	Pass

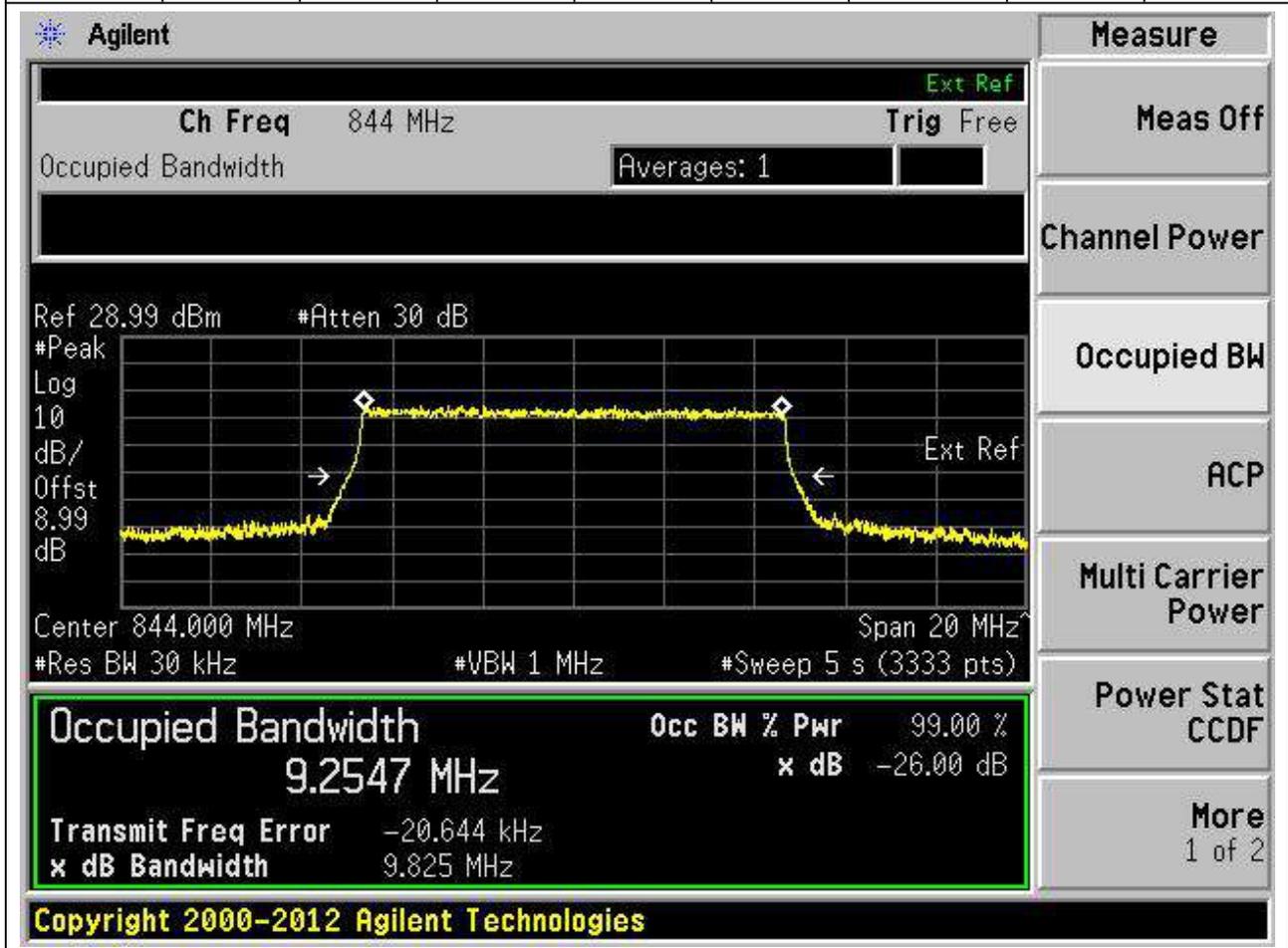
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 836.500 MHz, and the span is 20 MHz. The occupied bandwidth is highlighted as 9.2440 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	9.2440 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-15.779 kHz
x dB Bandwidth	9.762 MHz

Copyright 2000-2012 Agilent Technologies

2.21. 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	9.82	10	Pass



2.22. 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	9.83	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 829.000 MHz with a span of 20 MHz. The signal level is approximately 29.01 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 9.2671 MHz, which is 99.00% of the 9.833 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -8.657 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2671 MHz	x dB	-26.00 dB
Transmit Freq Error		-8.657 kHz
x dB Bandwidth		9.833 MHz

2.23. 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	9.8	10	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Center 836.500 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

9.2594 MHz

Transmit Freq Error -11.390 kHz

x dB Bandwidth 9.803 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Copyright 2000-2012 Agilent Technologies

2.24. 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	9.79	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 844.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2704 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -17.336 kHz, and the XdB bandwidth is 9.791 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 %
9.2704 MHz	x dB	-26.00 dB
Transmit Freq Error	-17.336 kHz	
x dB Bandwidth	9.791 MHz	

2.25. 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	14.69	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	14.0695 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.184 kHz
x dB Bandwidth	14.690 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).

Copyright 2000-2012 Agilent Technologies

2.26. 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	14.61	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 14.0609 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -12.468 kHz, and the XdB bandwidth is 14.613 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 %
14.0609 MHz	x dB	-26.00 dB
Transmit Freq Error		-12.468 kHz
x dB Bandwidth		14.613 MHz

2.27. 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	14.69	15	Pass

Agilent

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth 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)

Occupied Bandwidth Occ BW % Pwr 99.00 %

14.0682 MHz x dB -26.00 dB

Transmit Freq Error -14.110 kHz

x dB Bandwidth 14.692 MHz

Copyright 2000-2012 Agilent Technologies

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.28. 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	14.6	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	14.0597 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-16.851 kHz
x dB Bandwidth	14.596 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).

Copyright 2000-2012 Agilent Technologies

2.29. 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	14.63	15	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 836.500 MHz with a span of 30 MHz. The signal level is approximately 29 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 14.0433 MHz, which is 99.00% of the 14.630 MHz bandwidth. The power level is -26.00 dB. The interface also shows various measurement parameters such as Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0433 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.665 kHz	
x dB Bandwidth	14.630 MHz	

Copyright 2000-2012 Agilent Technologies

2.30. 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	14.63	15	Pass

Agilent

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth 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)

Occupied Bandwidth Occ BW % Pwr 99.00 %

14.0513 MHz x dB -26.00 dB

Transmit Freq Error -26.402 kHz

x dB Bandwidth 14.625 MHz

Copyright 2000-2012 Agilent Technologies

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.31. 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	14.63	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 831.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0815 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.135 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 %
14.0815 MHz	x dB	-26.00 dB
Transmit Freq Error		-10.135 kHz
x dB Bandwidth		14.633 MHz

2.32. 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	14.53	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 836.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0655 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -16.929 kHz, and the XdB bandwidth is 14.526 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 %
14.0655 MHz	x dB	-26.00 dB
Transmit Freq Error		-16.929 kHz
x dB Bandwidth		14.526 MHz

2.33. 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	14.07	14.59	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 841.500 MHz, and the span is 30 MHz. The occupied bandwidth is highlighted as 14.0654 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -22.875 kHz, and the XdB bandwidth is 14.585 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0654 MHz	x dB	-26.00 dB
Transmit Freq Error	-22.875 kHz	
x dB Bandwidth	14.585 MHz	

Copyright 2000-2012 Agilent Technologies

2.34. 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	14.08	14.67	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 831.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0772 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -7.965 kHz. The XdB bandwidth is 14.667 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 %
14.0772 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.965 kHz	
x dB Bandwidth	14.667 MHz	

2.35. 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	14.05	14.58	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 14.0510 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -13.816 kHz, and the XdB bandwidth is 14.581 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 %
14.0510 MHz	x dB	-26.00 dB
Transmit Freq Error	-13.816 kHz	
x dB Bandwidth	14.581 MHz	

2.36. 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	14.66	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 841.500 MHz, and the span is 30 MHz. The occupied bandwidth is highlighted as 14.0588 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -22.989 kHz, and the XdB bandwidth is 14.665 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	14.0588 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-22.989 kHz
x dB Bandwidth	14.665 MHz

Copyright 2000-2012 Agilent Technologies

2.37. 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	19.48	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 18.8676 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -21.120 kHz, and the XdB bandwidth is 19.479 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.

Measurement	Value
Occupied Bandwidth	18.8676 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-21.120 kHz
x dB Bandwidth	19.479 MHz

Copyright 2000-2012 Agilent Technologies