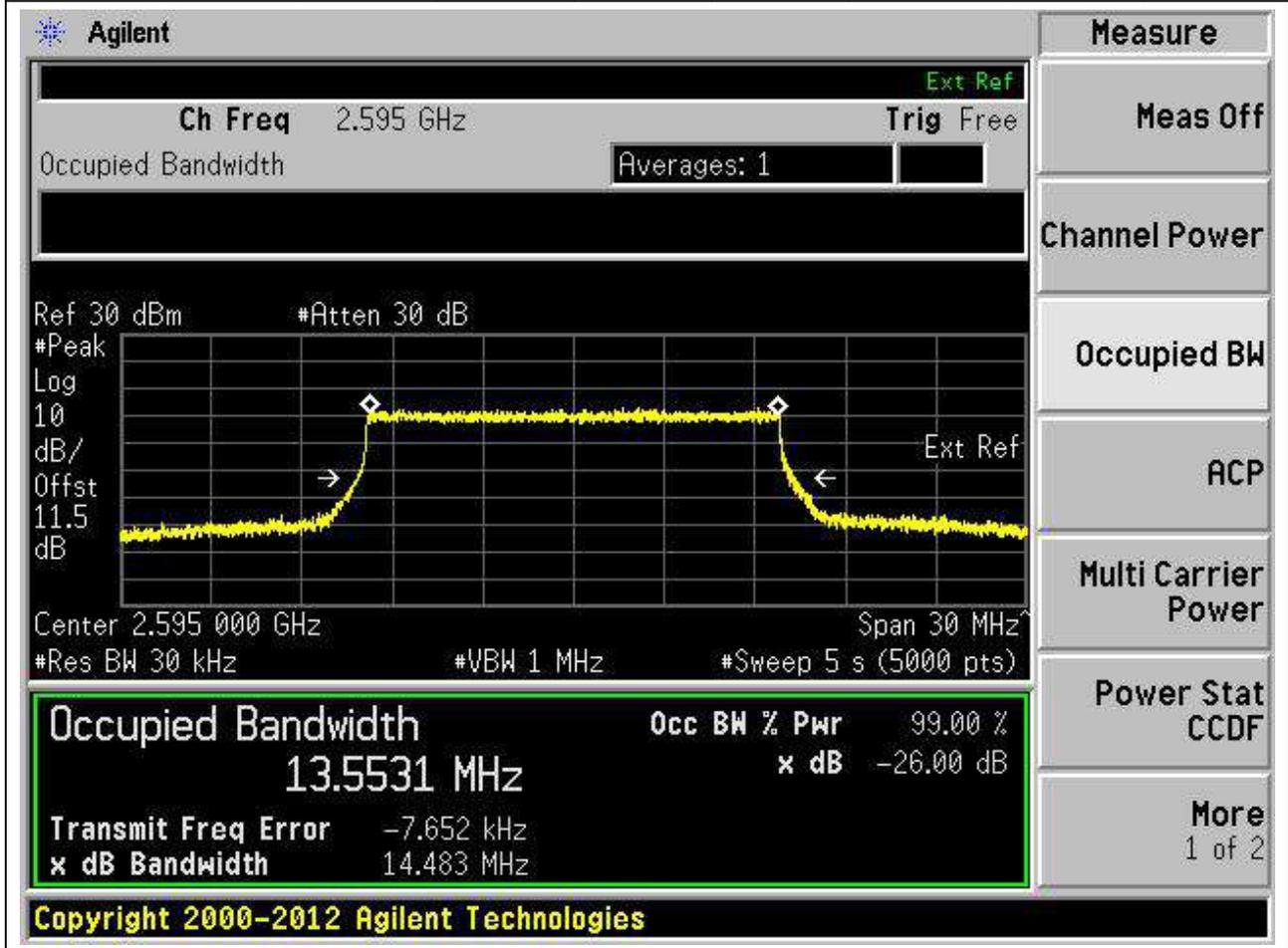


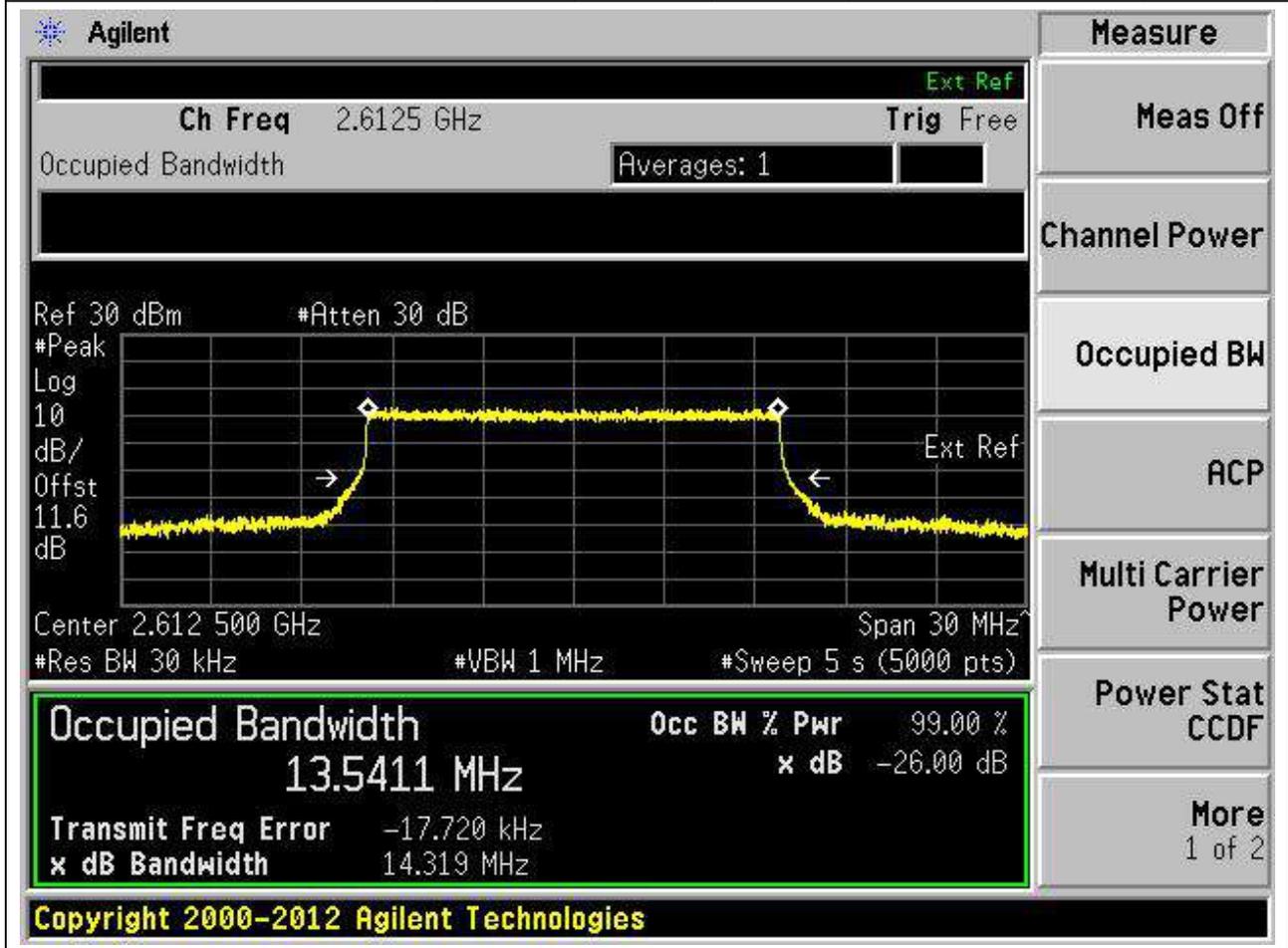
**1.14. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	13.55	14.48	15	Pass



**1.15. Occupied Bandwidth for SA\_Part22-24-27(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.03	Peak	13.54	14.32	15	Pass



**1.16. Occupied Bandwidth for SA\_Part22-24-27(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.03	Peak	13.55	14.31	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 2.5775 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5513 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -19.772 kHz, and the XdB bandwidth is 14.308 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 %
13.5513 MHz	x dB	-26.00 dB
Transmit Freq Error	-19.772 kHz	
x dB Bandwidth	14.308 MHz	

**1.17. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

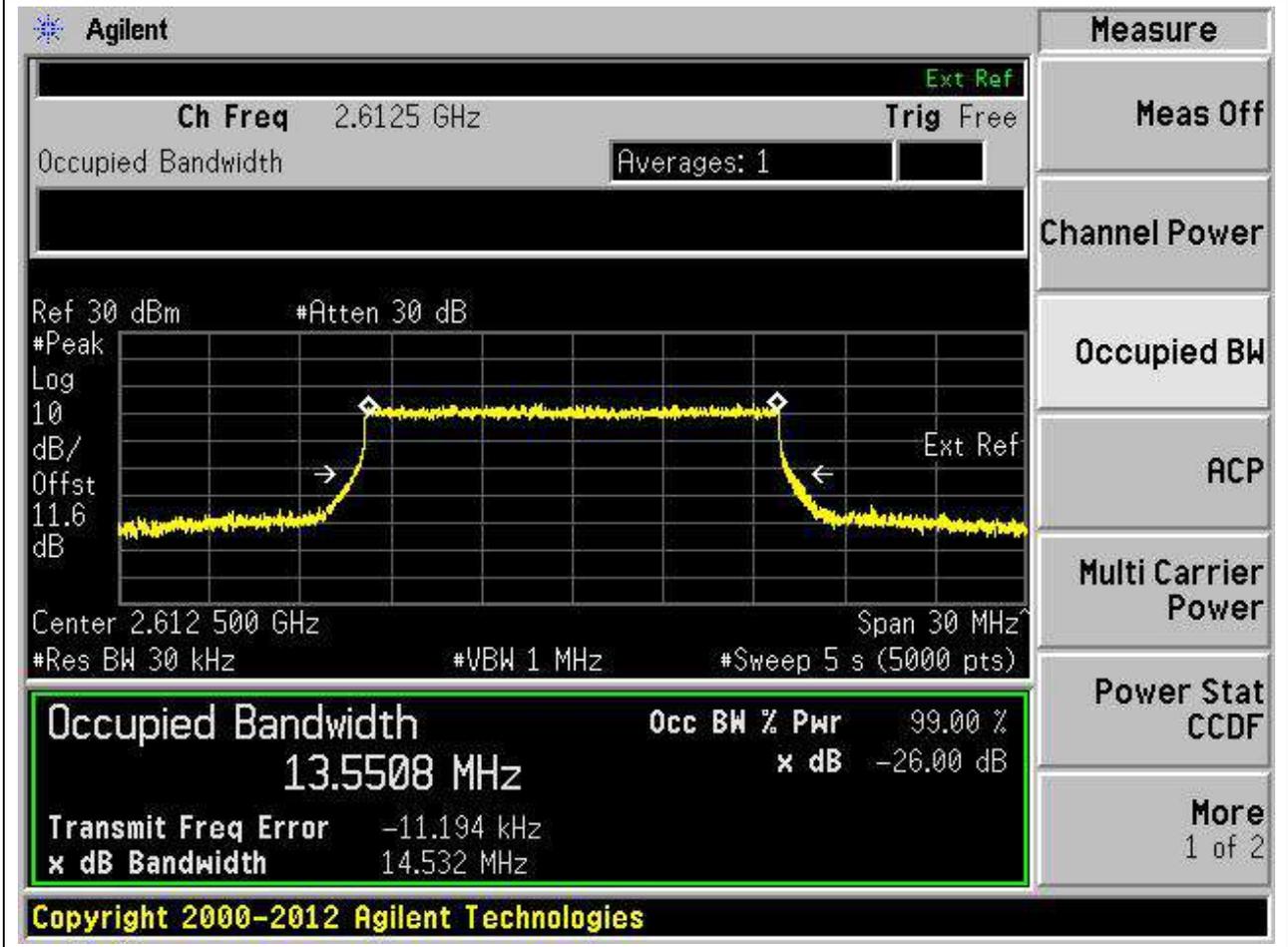
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	13.54	14.36	15	Pass

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 2.595 GHz and a span of 30 MHz. The vertical axis is labeled 'Log 10 dB/Offst 11.5 dB'. The horizontal axis is labeled 'Center 2.595 000 GHz' and 'Span 30 MHz'. The plot shows a signal with a flat top and sloping sides, indicating a multi-carrier signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 13.5424 MHz. Other parameters shown include 'Transmit Freq Error -18.166 kHz' and 'x dB Bandwidth 14.362 MHz'. The right side of the screen features a 'Measure' menu with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5424 MHz	x dB	-26.00 dB
Transmit Freq Error	-18.166 kHz	
x dB Bandwidth	14.362 MHz	

**1.18. Occupied Bandwidth for SA\_Part22-24-27(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.03	Peak	13.55	14.53	15	Pass



**1.19. Occupied Bandwidth for SA\_Part22-24-27(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.03	Peak	13.57	14.39	15	Pass

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

Measurement	Value
Occupied Bandwidth	13.5714 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-28.726 kHz
x dB Bandwidth	14.394 MHz

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

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**1.20. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	13.57	14.54	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 set to a center frequency of 2.595 GHz and a span of 30 MHz. The signal level is approximately 11.5 dB. The occupied bandwidth is highlighted with a green box, showing a value of 13.5691 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -15.533 kHz and the XdB bandwidth is 14.540 MHz. The interface also shows various measurement settings and a list of available measurement functions on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5691 MHz	x dB	-26.00 dB
Transmit Freq Error	-15.533 kHz	
x dB Bandwidth	14.540 MHz	

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**1.21. Occupied Bandwidth for SA\_Part22-24-27(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.03	Peak	13.56	14.42	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 2.6125 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5571 MHz, which is 99.00% of the 14.425 MHz bandwidth. The power level is -26.00 dB. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5571 MHz	x dB	-26.00 dB
Transmit Freq Error		-24.210 kHz
x dB Bandwidth		14.425 MHz

**1.22. Occupied Bandwidth for SA\_Part22-24-27(Channel:515500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.03	Peak	13.57	14.38	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 2.5775 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5703 MHz, which is 99.00% of the 14.380 MHz bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -20.006 kHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	13.5703 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-20.006 kHz
x dB Bandwidth	14.380 MHz

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**1.23. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	13.54	14.28	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	13.5363 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	203.048 Hz
x dB Bandwidth	14.277 MHz

Additional parameters shown in the interface include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.5 dB, Center 2.595 000 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**1.24. Occupied Bandwidth for SA\_Part22-24-27(Channel:522500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.03	Peak	13.56	14.19	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 2.6125 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5606 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -6.376 kHz, and the XdB bandwidth is 14.193 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 %
13.5606 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.376 kHz	
x dB Bandwidth	14.193 MHz	

**1.25. Occupied Bandwidth for SA\_Part22-24-27(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.03	Peak	18.19	19.29	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.58 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1919 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	18.1919 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-20.683 kHz
x dB Bandwidth	19.286 MHz

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**1.26. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	18.18	19.27	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.595 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1807 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	18.1807 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-12.443 kHz
x dB Bandwidth	19.266 MHz

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**1.27. Occupied Bandwidth for SA\_Part22-24-27(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.03	Peak	18.19	19.09	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 2.61 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1911 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -22.539 kHz, and the XdB bandwidth is 19.089 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1911 MHz	x dB	-26.00 dB
Transmit Freq Error	-22.539 kHz	
x dB Bandwidth	19.089 MHz	

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**1.28. Occupied Bandwidth for SA\_Part22-24-27(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.03	Peak	18.19	19.01	20	Pass

Agilent
Measure

Ch Freq 2.58 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 11.6 dB

Center 2.580 000 GHz Span 40 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**18.1855 MHz**

Transmit Freq Error -14.009 kHz

x dB Bandwidth 19.007 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.29. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	18.18	18.99	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	18.1760 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.539 kHz
x dB Bandwidth	18.986 MHz

Additional parameters shown in the interface include: Ch Freq 2.595 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.5 dB, Center 2.595 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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**1.30. Occupied Bandwidth for SA\_Part22-24-27(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.03	Peak	18.18	19.02	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.61 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1782 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
18.1782 MHz		x dB	-26.00 dB
Transmit Freq Error		-19.239 kHz	
x dB Bandwidth		19.017 MHz	

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**1.31. Occupied Bandwidth for SA\_Part22-24-27(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.03	Peak	18.17	19	20	Pass

Agilent
Measure

Ch Freq 2.58 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 dB

Center 2.580 000 GHz Span 40 MHz

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

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

**18.1709 MHz** x dB -26.00 dB

Transmit Freq Error -13.962 kHz

x dB Bandwidth 19.002 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.32. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	18.16	19.01	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 2.595 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1596 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
18.1596 MHz		x dB	-26.00 dB
Transmit Freq Error	-12.142 kHz		
x dB Bandwidth	19.014 MHz		

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**1.33. Occupied Bandwidth for SA\_Part22-24-27(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.03	Peak	18.17	19.03	20	Pass

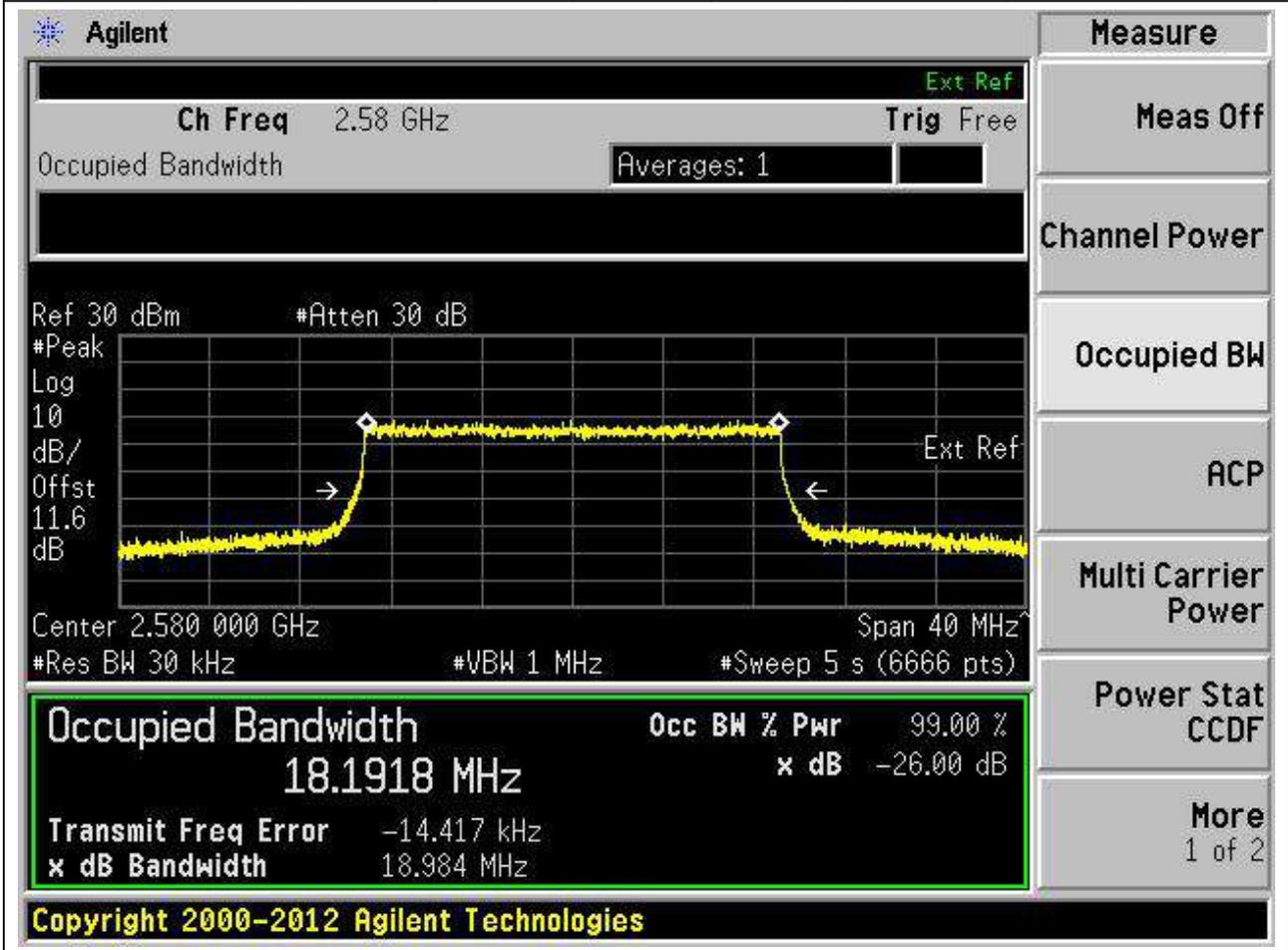
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.61 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1670 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -20.262 kHz, and the XdB bandwidth is 19.030 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1670 MHz	x dB	-26.00 dB
Transmit Freq Error	-20.262 kHz	
x dB Bandwidth	19.030 MHz	

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**1.34. Occupied Bandwidth for SA\_Part22-24-27(Channel:516000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.03	Peak	18.19	18.98	20	Pass



**1.35. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.03	Peak	18.18	19.04	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 2.595 GHz with a span of 40 MHz. The signal level is approximately 18.18 MHz. The plot includes a reference level at 30 dBm and an attenuation of 30 dB. The signal is measured with a resolution bandwidth (RBW) of 30 kHz and a video bandwidth (VBW) of 1 MHz. The sweep time is 5 seconds (6666 points).

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
18.1816 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.848 kHz
<b>x dB Bandwidth</b>		19.040 MHz

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

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**1.36. Occupied Bandwidth for SA\_Part22-24-27(Channel:522000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:51, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.03	Peak	18.18	19	20	Pass

Agilent
Measure

Ch Freq 2.61 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Span 40 MHz

10
#Res BW 30 kHz

dB/
#VBW 1 MHz

Offst
#Sweep 5 s (6666 pts)

11.6

dB

Center 2.610 000 GHz
Span 40 MHz

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.1841 MHz
x dB -26.00 dB

Transmit Freq Error -10.401 kHz

x dB Bandwidth 19.004 MHz

Power Stat CCDF

More

1 of 2

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**1.37. Occupied Bandwidth for SA\_Part22-24-27(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.55	26.11	25	Pass

Agilent
Measure

Ch Freq 2.5825 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.582 500 GHz Span 50 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.5538 MHz</b>	<b>x dB</b>	-26.00 dB
Transmit Freq Error	12.304 kHz	
x dB Bandwidth	26.112 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.38. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	23.51	26.12	25	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

**Occupied Bandwidth**

**23.5127 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 27.222 kHz

x dB Bandwidth 26.123 MHz

More

1 of 2

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**1.39. Occupied Bandwidth for SA\_Part22-24-27(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.6	26.22	25	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 11.6 dB' and the x-axis is 'Center 2.607 500 GHz'. The plot shows a signal with a peak at approximately 2.6075 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 23.6000 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -67.208 kHz and the 'x dB Bandwidth' is 26.221 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
23.6000 MHz	99.00 %	-26.00 dB

**1.40. Occupied Bandwidth for SA\_Part22-24-27(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.72	26.38	25	Pass

Agilent
Measure

Ch Freq 2.5825 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.582 500 GHz Span 50 MHz  
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
23.7220 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-27.933 kHz
<b>x dB Bandwidth</b>	26.382 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.41. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	23.68	26.41	25	Pass

Agilent
Measure

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**23.6808 MHz**

Transmit Freq Error -13.871 kHz

x dB Bandwidth 26.413 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.42. Occupied Bandwidth for SA\_Part22-24-27(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.66	26.48	25	Pass

Agilent
Measure

Ch Freq 2.6075 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.607 500 GHz Span 50 MHz

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

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

**23.6617 MHz** x dB -26.00 dB

Transmit Freq Error -50.902 kHz

x dB Bandwidth 26.483 MHz

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**1.43. Occupied Bandwidth for SA\_Part22-24-27(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.69	26.27	25	Pass

Agilent
Measure

Ch Freq 2.5825 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.582 500 GHz Span 50 MHz

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

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

**23.6928 MHz** x dB -26.00 dB

Transmit Freq Error -56.110 kHz

x dB Bandwidth 26.267 MHz

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**1.44. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	23.61	26.04	25	Pass

Agilent
Measure

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**23.6100 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -26.785 kHz

x dB Bandwidth 26.044 MHz

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**1.45. Occupied Bandwidth for SA\_Part22-24-27(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.64	26.16	25	Pass

Agilent
Measure

Ch Freq 2.6075 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.607 500 GHz Span 50 MHz  
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
23.6427 MHz	x dB -26.00 dB
Transmit Freq Error	-72.485 kHz
x dB Bandwidth	26.162 MHz

**Copyright 2000-2012 Agilent Technologies**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.46. Occupied Bandwidth for SA\_Part22-24-27(Channel:516500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2582.5	99	26	1	Peak	23.72	26.26	25	Pass

Agilent
Measure

Ch Freq 2.5825 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.582 500 GHz Span 50 MHz  
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
23.7150 MHz	x dB -26.00 dB
Transmit Freq Error	23.172 kHz
x dB Bandwidth	26.258 MHz

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

**1.47. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	23.66	25.9	25	Pass

**Agilent**
**Measure**

**Ch Freq** 2.595 GHz
**Trig** Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.5
dB

Center 2.595 000 GHz
Span 50 MHz

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

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

**23.6627 MHz**
**x dB** -26.00 dB

**Transmit Freq Error** 35.646 kHz

**x dB Bandwidth** 25.903 MHz

**Power Stat**
**CCDF**

**More**
1 of 2

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**1.48. Occupied Bandwidth for SA\_Part22-24-27(Channel:521500, Bandwidth:25, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:65, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2607.5	99	26	1	Peak	23.68	26.24	25	Pass

Agilent
Measure

Ch Freq 2.6075 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.607500 GHz Span 50 MHz  
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
23.6769 MHz	x dB -26.00 dB
Transmit Freq Error 1.482 kHz	
x dB Bandwidth 26.238 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2



**1.50. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	28.14	31.07	30	Pass

Agilent
Measure

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

28.1439 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 36.101 kHz

x dB Bandwidth 31.067 MHz

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**1.51. Occupied Bandwidth for SA\_Part22-24-27(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.16	30.87	30	Pass

Agilent
Measure

Ch Freq 2.605 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.605 00 GHz Span 60 MHz

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

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

28.1607 MHz x dB -26.00 dB

Transmit Freq Error -2.964 kHz

x dB Bandwidth 30.875 MHz

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**1.52. Occupied Bandwidth for SA\_Part22-24-27(Channel:517000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2585	99	26	1	Peak	28.19	30.95	30	Pass

Agilent

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

Ch Freq 2.585 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.5

dB

Center 2.585 00 GHz
Span 60 MHz

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

**Occupied Bandwidth**  
28.1938 MHz

**Occ BW % Pwr**  
99.00 %

**Transmit Freq Error**  
-20.328 kHz

**x dB Bandwidth**  
30.947 MHz

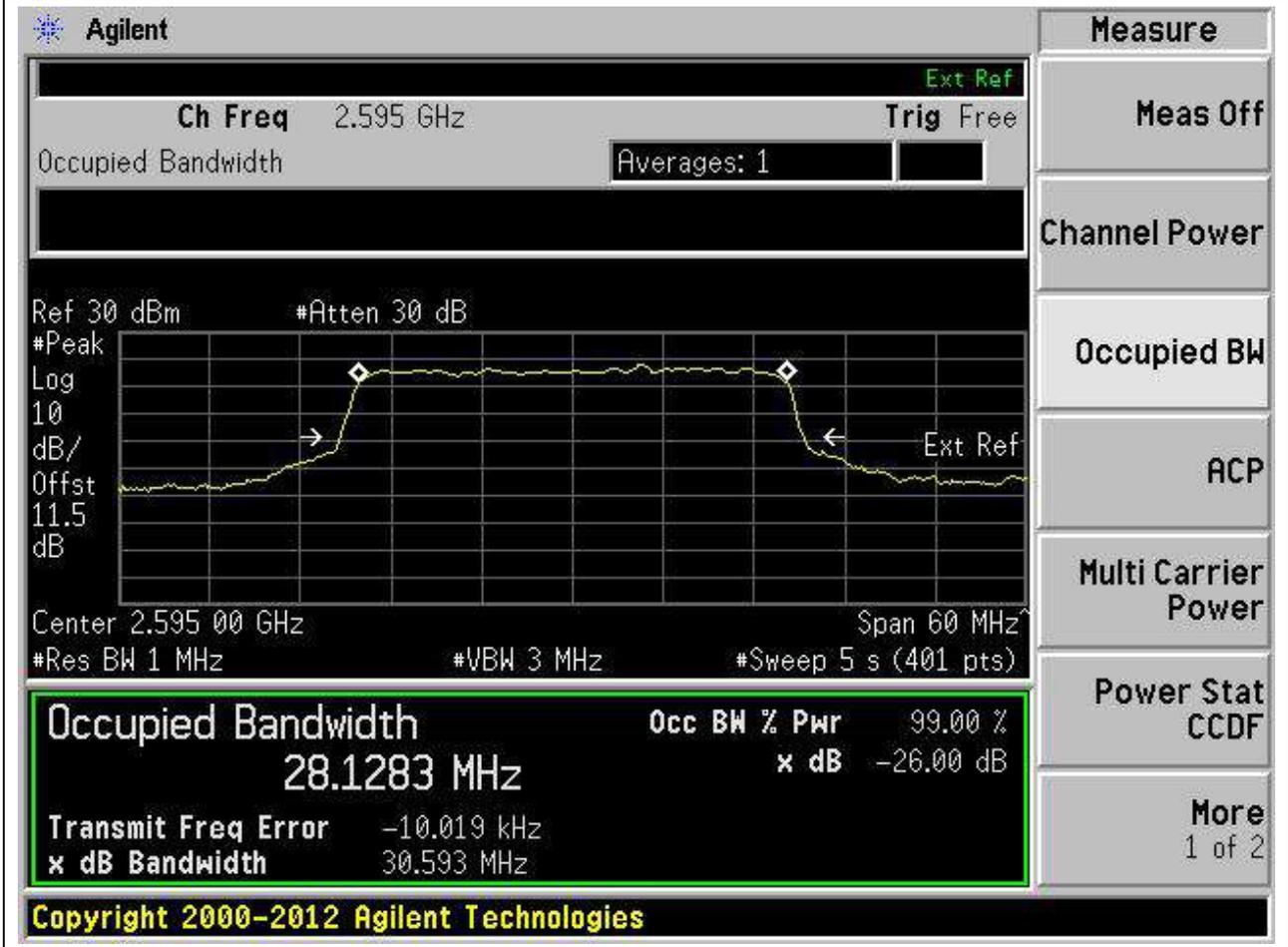
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**1.53. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	28.13	30.59	30	Pass



**1.54. Occupied Bandwidth for SA\_Part22-24-27(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.11	30.61	30	Pass

Agilent

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

Ch Freq 2.605 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.605 00 GHz Span 60 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.1138 MHz</b>	<b>x dB</b>	-26.00 dB
Transmit Freq Error	-39.313 kHz	
x dB Bandwidth	30.607 MHz	

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**1.55. Occupied Bandwidth for SA\_Part22-24-27(Channel:517000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2585	99	26	1	Peak	28.3	31.41	30	Pass

**Agilent**
**Measure**

Ch Freq 2.585 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

Center 2.585 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
28.2956 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -12.304 kHz	
<b>x dB Bandwidth</b> 31.409 MHz	

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**1.56. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	28.24	31.69	30	Pass

Agilent

Measure

Ch Freq 2.595 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
28.2435 MHz	x dB -26.00 dB
Transmit Freq Error	-4.853 kHz
x dB Bandwidth	31.691 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**1.57. Occupied Bandwidth for SA\_Part22-24-27(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.22	31.42	30	Pass

Agilent
Measure

Ch Freq 2.605 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.605 00 GHz Span 60 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
28.2222 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-37.547 kHz
<b>x dB Bandwidth</b>	31.418 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.58. Occupied Bandwidth for SA\_Part22-24-27(Channel:517000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2585	99	26	1	Peak	28.24	31.01	30	Pass

Agilent

Measure

Ch Freq 2.585 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.5
dB

Center 2.585 00 GHz
Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
28.2410 MHz	x dB -26.00 dB
Transmit Freq Error	-11.447 kHz
x dB Bandwidth	31.014 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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**1.59. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	28.18	30.79	30	Pass

Agilent

Ext Ref

**Ch Freq** 2.595 GHz **Trig** Free

Occupied Bandwidth Averages: 1

#Peak

Log 10 dB/Offst 11.5 dB

Center 2.595 00 GHz Span 60 MHz

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

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

**28.1848 MHz** **x dB** -26.00 dB

**Transmit Freq Error** 11.932 kHz

**x dB Bandwidth** 30.792 MHz

**Copyright 2000-2012 Agilent Technologies**

**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.60. Occupied Bandwidth for SA\_Part22-24-27(Channel:521000, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:78, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2605	99	26	1	Peak	28.16	30.69	30	Pass

Agilent
Measure

Ch Freq 2.605 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Peak  
Log 10 dB/Offst 11.5 dB

Center 2.605 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**  
28.1553 MHz

Transmit Freq Error -4.332 kHz  
x dB Bandwidth 30.688 MHz

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

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**1.61. Occupied Bandwidth for SA\_Part22-24-27(Channel:518000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2590	99	26	1	Peak	38.22	41.12	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 2.59 GHz and a span of 80 MHz. The vertical axis is labeled 'Log 10 dB/Offst 11.5 dB'. The horizontal axis is labeled 'Center 2.590 0 GHz' and 'Span 80 MHz'. The plot shows a signal with a peak at approximately 2.59 GHz. The signal is measured with a resolution bandwidth of 1 MHz and a video bandwidth of 3 MHz. The sweep time is 5 seconds (401 points). The signal is measured with a peak detector and an external reference (Ext Ref). The signal level is approximately -26.00 dB. The occupied bandwidth is 38.2194 MHz. The power is 99.00%. The transmit frequency error is 27.119 kHz. The x dB bandwidth is 41.122 MHz.

**Occupied Bandwidth** 38.2194 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** 27.119 kHz

**x dB Bandwidth** 41.122 MHz

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**1.62. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	38.19	41.24	40	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.595 0 GHz Span 80 MHz  
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
38.1945 MHz	x dB -26.00 dB
Transmit Freq Error 52.797 kHz	
x dB Bandwidth 41.244 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.63. Occupied Bandwidth for SA\_Part22-24-27(Channel:520000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2600	99	26	1	Peak	38.16	41.15	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.6 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing a value of 38.1606 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 31.532 kHz, and the XdB bandwidth is 41.149 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 %
38.1606 MHz	x dB	-26.00 dB
Transmit Freq Error	31.532 kHz	
x dB Bandwidth	41.149 MHz	

**1.64. Occupied Bandwidth for SA\_Part22-24-27(Channel:518000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2590	99	26	1	Peak	38.11	41.01	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 2.59 GHz. The Occupied Bandwidth (OBW) is measured as 38.1122 MHz, which is 99.00% of the 40 MHz channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -35.062 kHz, and the x dB Bandwidth is 41.015 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 %
38.1122 MHz	x dB	-26.00 dB
Transmit Freq Error		-35.062 kHz
x dB Bandwidth		41.015 MHz

**1.65. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	38.07	41.1	40	Pass

Agilent

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

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.595 0 GHz Span 80 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
38.0692 MHz	<b>x dB</b>	-26.00 dB
Transmit Freq Error	-33.761 kHz	
x dB Bandwidth	41.103 MHz	

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**1.66. Occupied Bandwidth for SA\_Part22-24-27(Channel:520000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2600	99	26	1	Peak	38.04	40.91	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 2.6 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing a value of 38.0401 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Measurement	Value
Occupied Bandwidth	38.0401 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-46.080 kHz
x dB Bandwidth	40.913 MHz

**1.67. Occupied Bandwidth for SA\_Part22-24-27(Channel:518000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2590	99	26	1	Peak	38.13	41.19	40	Pass

Agilent

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

Ch Freq 2.59 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.590 0 GHz Span 80 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>38.1324 MHz</b>	<b>x dB</b>	-26.00 dB
Transmit Freq Error	-59.074 kHz	
x dB Bandwidth	41.187 MHz	

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**1.68. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	38.08	41.07	40	Pass

Agilent

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

Ch Freq 2.595 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.5

dB
Ext Ref

Center 2.595 0 GHz
Span 80 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>38.0759 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b>	-46.823 kHz
<b>x dB Bandwidth</b>	41.065 MHz

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**1.69. Occupied Bandwidth for SA\_Part22-24-27(Channel:520000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2600	99	26	1	Peak	38.04	41.07	40	Pass

Agilent

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

Ch Freq 2.6 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.600 0 GHz Span 80 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
38.0429 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-55.677 kHz	
<b>x dB Bandwidth</b>	41.073 MHz	

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**1.70. Occupied Bandwidth for SA\_Part22-24-27(Channel:518000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2590	99	26	1	Peak	38.06	41.1	40	Pass

Agilent

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

Ch Freq 2.59 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
38.0645 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	13.298 kHz	
<b>x dB Bandwidth</b>	41.097 MHz	

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**1.71. Occupied Bandwidth for SA\_Part22-24-27(Channel:519000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	1	Peak	38.03	41.14	40	Pass

Agilent
Measure

Ch Freq 2.595 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

38.0289 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 24.144 kHz

x dB Bandwidth 41.144 MHz

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**1.72. Occupied Bandwidth for SA\_Part22-24-27(Channel:520000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2600	99	26	1	Peak	37.88	40.86	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The y-axis is labeled 'Log 10 dB/Offst 11.5 dB'. The x-axis is labeled 'Center 2.600 0 GHz' and 'Span 80 MHz'. The signal level is approximately 37.88 dBm. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 37.8792 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 14.292 kHz and the 'x dB Bandwidth' is 40.857 MHz. The 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

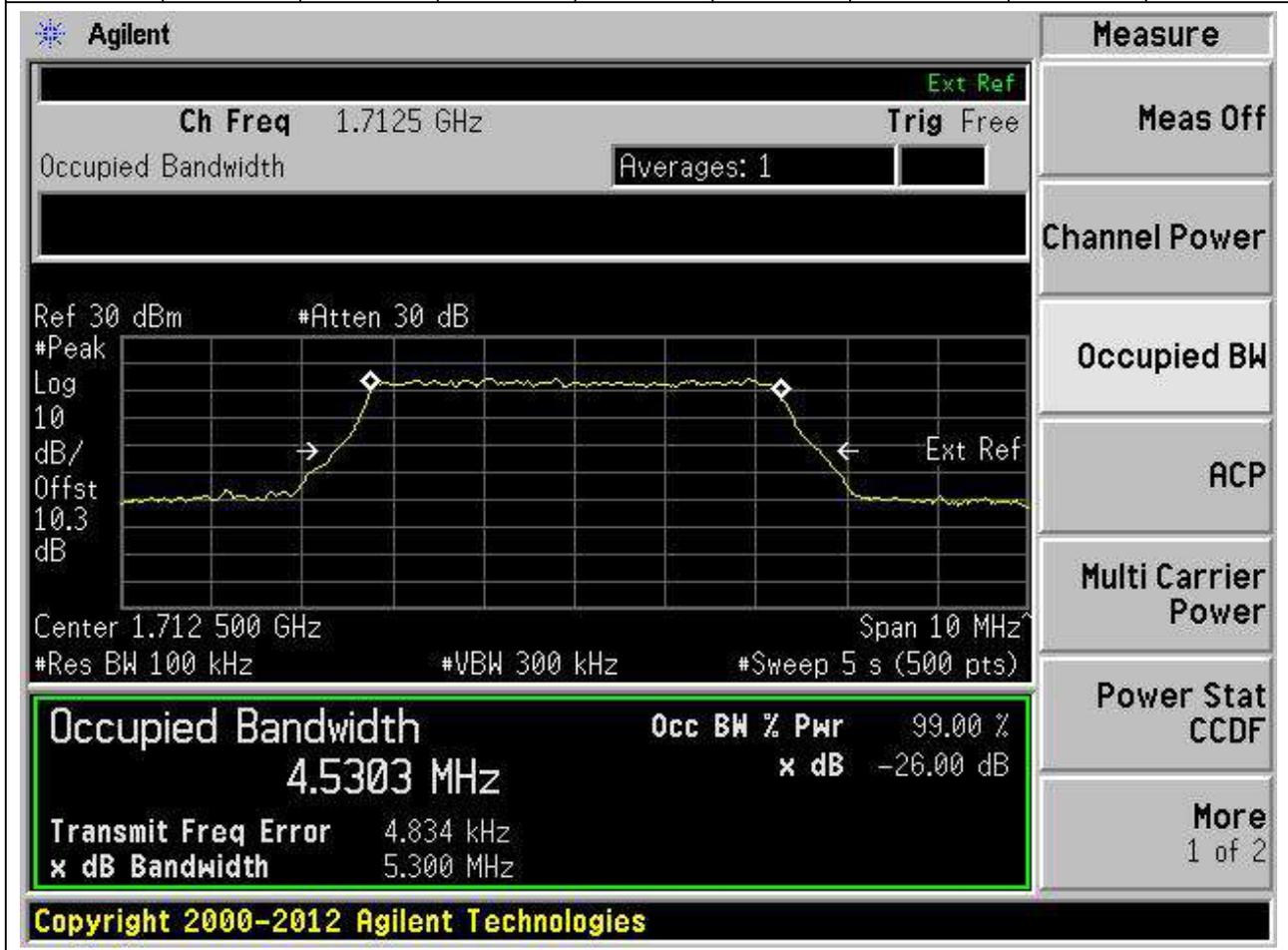
Occupied Bandwidth	Occ BW % Pwr	x dB
37.8792 MHz	99.00 %	-26.00 dB

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## 2. n66

### 2.1. Occupied Bandwidth for SA\_Part22-24-27(Channel:342500, 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
1712.5	99	26	0.1	Peak	4.53	5.3	5	Pass



**2.2. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.1	Peak	4.53	5.29	5	Pass

Agilent
Measure

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 10 MHz

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

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

4.5301 MHz x dB -26.00 dB

Transmit Freq Error 9.479 kHz

x dB Bandwidth 5.286 MHz

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**2.3. Occupied Bandwidth for SA\_Part22-24-27(Channel:355500, 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
1777.5	99	26	0.1	Peak	4.52	5.27	5	Pass

Agilent
Measure

Ch Freq 1.7775 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.777 500 GHz Span 10 MHz  
#Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.5223 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 3.392 kHz	
<b>x dB Bandwidth</b> 5.268 MHz	

Power Stat CCDF

More 1 of 2

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**2.4. Occupied Bandwidth for SA\_Part22-24-27(Channel:342500, 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
1712.5	99	26	0.1	Peak	4.53	5.31	5	Pass

Agilent

Measure

Ch Freq 1.7125 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.3
dB

Center 1.712 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5296 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-10.545 kHz	
<b>x dB Bandwidth</b>	5.310 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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**2.5. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.1	Peak	4.53	5.34	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 1.745 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 4.5256 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error of -2.831 kHz and x dB Bandwidth of 5.337 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'.

**2.6. Occupied Bandwidth for SA\_Part22-24-27(Channel:355500, 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
1777.5	99	26	0.1	Peak	4.52	5.26	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 1.7775 GHz. The Occupied Bandwidth (OBW) is measured as 4.5167 MHz, which is 99.00% of the 5 MHz channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -11.418 kHz, and the x dB bandwidth is 5.258 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	4.5167 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.418 kHz
x dB Bandwidth	5.258 MHz

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**2.7. Occupied Bandwidth for SA\_Part22-24-27(Channel:342500, 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
1712.5	99	26	0.1	Peak	4.55	5.32	5	Pass

Agilent
Measure

Ch Freq 1.7125 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**

**4.5452 MHz**

Transmit Freq Error -21.423 kHz

x dB Bandwidth 5.315 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**2.8. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.1	Peak	4.56	5.3	5	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB #Peak Log 10 dB/Offst 10.4 dB Center 1.745 000 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.5566 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-13.239 kHz
<b>x dB Bandwidth</b>	5.300 MHz

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

**2.9. Occupied Bandwidth for SA\_Part22-24-27(Channel:355500, 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
1777.5	99	26	0.1	Peak	4.55	5.34	5	Pass

Agilent

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

Ch Freq 1.7775 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.777 500 GHz Span 10 MHz  
 #Res BW 100 kHz #VBW 300 kHz #Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5534 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-19.767 kHz	
<b>x dB Bandwidth</b>	5.335 MHz	

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**2.10. Occupied Bandwidth for SA\_Part22-24-27(Channel:342500, 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
1712.5	99	26	0.1	Peak	4.52	5.28	5	Pass

Agilent
Measure

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.712 500 GHz 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**

**4.5218 MHz**

Transmit Freq Error -21.401 kHz

x dB Bandwidth 5.276 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**2.11. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.1	Peak	4.52	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 1.745 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.4

dB

Center 1.745 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.5232 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-16.184 kHz	
<b>x dB Bandwidth</b>	5.291 MHz	

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**2.12. Occupied Bandwidth for SA\_Part22-24-27(Channel:355500, 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
1777.5	99	26	0.1	Peak	4.51	5.28	5	Pass

Agilent

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

Ch Freq 1.7775 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.6

dB

Ext Ref

Center 1.777 500 GHz Span 10 MHz

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

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

4.5150 MHz x dB -26.00 dB

Transmit Freq Error -20.685 kHz

x dB Bandwidth 5.279 MHz

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**2.13. Occupied Bandwidth for SA\_Part22-24-27(Channel:343000, 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
1715	99	26	0.03	Peak	9.26	9.84	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.715 000 GHz Span 20 MHz  
 #Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
9.2623 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-17.640 kHz
<b>x dB Bandwidth</b>	9.837 MHz

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Meas Off

Channel Power

Occupied BW

ACP

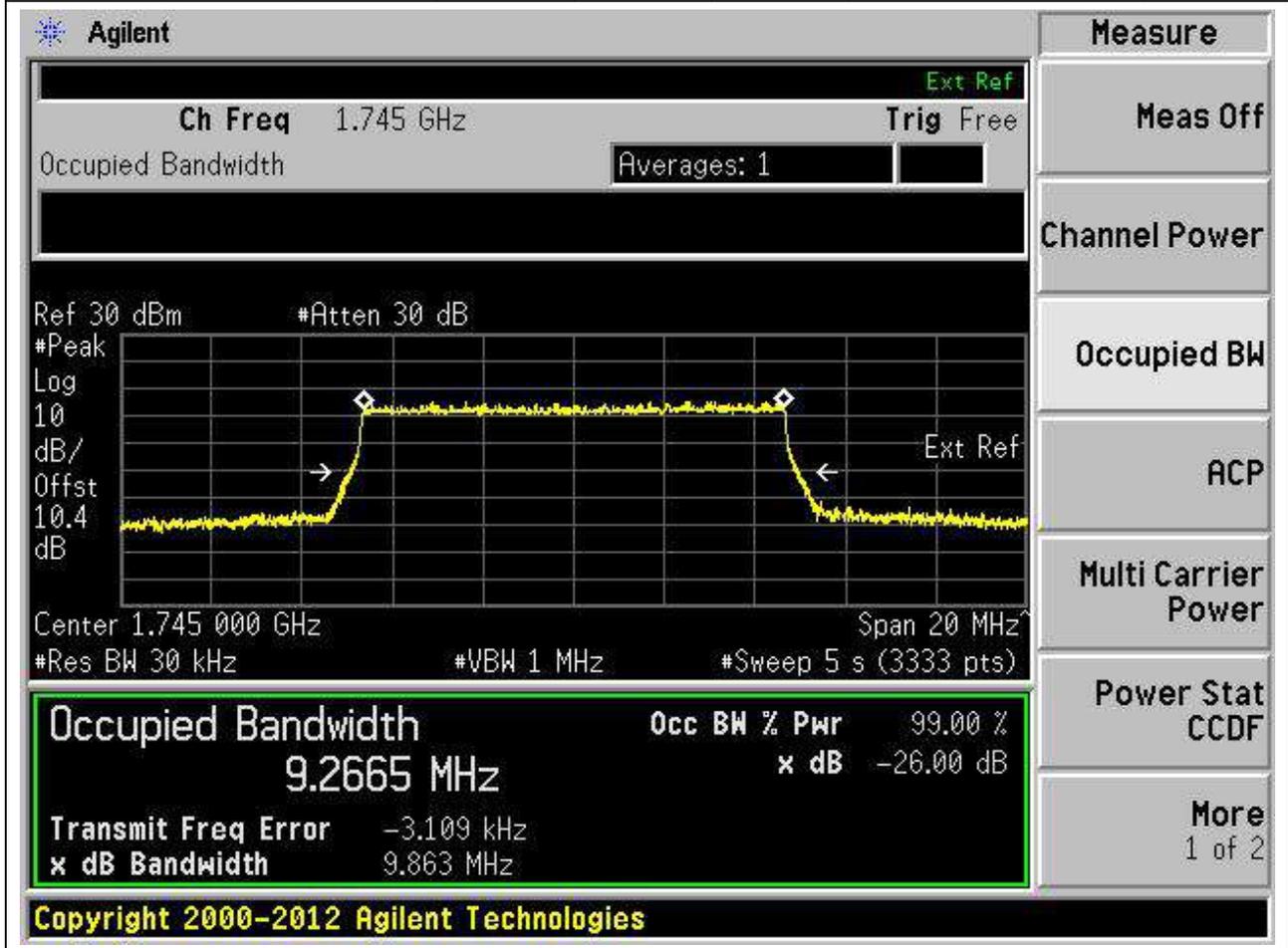
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

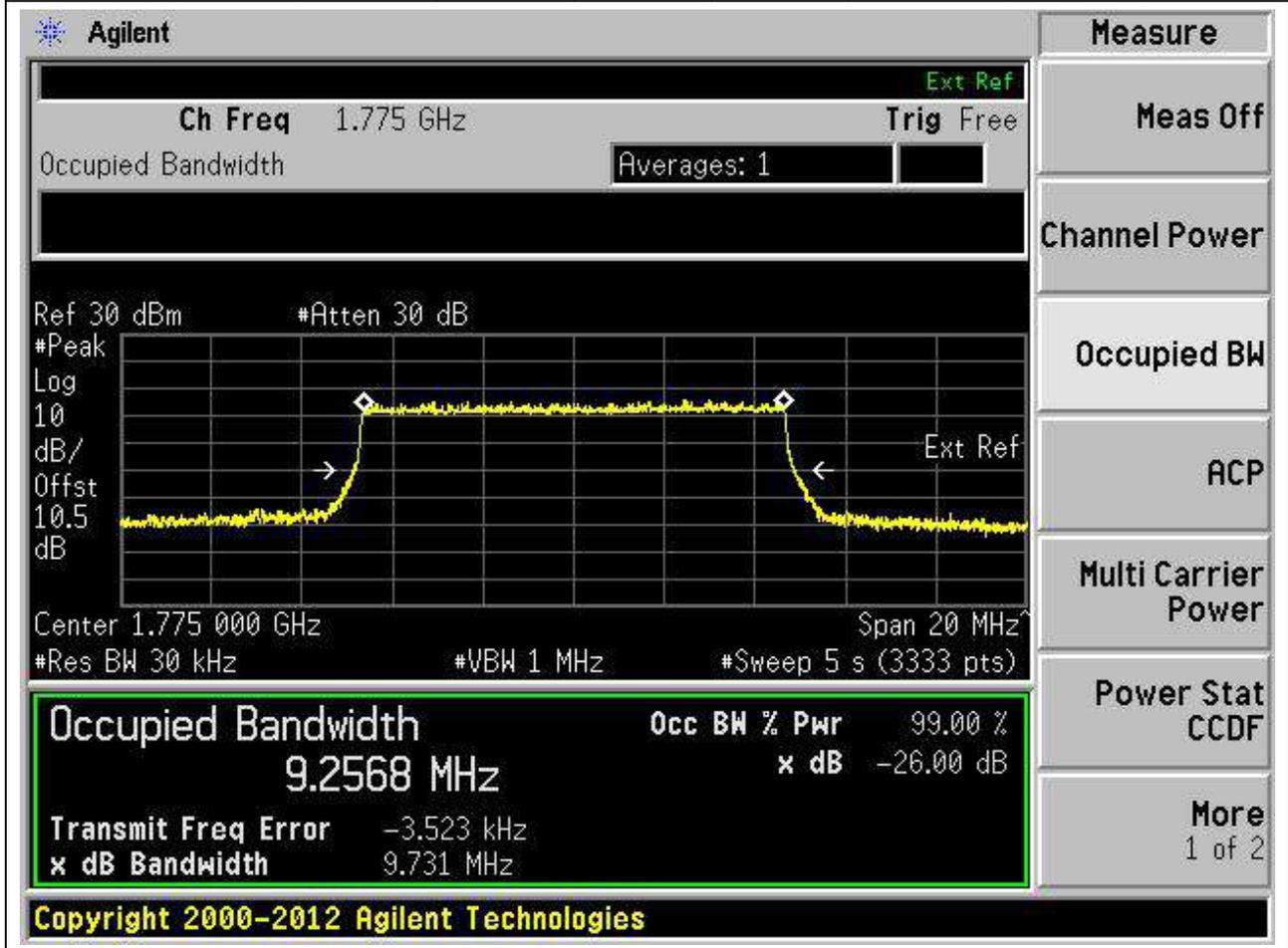
**2.14. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.03	Peak	9.27	9.86	10	Pass



**2.15. Occupied Bandwidth for SA\_Part22-24-27(Channel:355000, 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
1775	99	26	0.03	Peak	9.26	9.73	10	Pass



**2.16. Occupied Bandwidth for SA\_Part22-24-27(Channel:343000, 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
1715	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 plot is centered at 1.715 GHz with a span of 20 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.3 dB'. The horizontal axis is labeled 'Center 1.715 000 GHz' and 'Span 20 MHz'. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 9.2727 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -10.248 kHz and the 'x dB Bandwidth' is 9.788 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2727 MHz	99.00 %	-26.00 dB

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**2.17. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	9.27	9.7	10	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.745 000 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2743 MHz	x dB	-26.00 dB
Transmit Freq Error	1.652 kHz	
x dB Bandwidth	9.697 MHz	

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**2.18. Occupied Bandwidth for SA\_Part22-24-27(Channel:355000, 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
1775	99	26	0.03	Peak	9.27	9.79	10	Pass

Agilent

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

Ch Freq 1.775 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 1.775 000 GHz Span 20 MHz  
 #Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
9.2668 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-532.352 Hz
<b>x dB Bandwidth</b>	9.792 MHz

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**2.19. Occupied Bandwidth for SA\_Part22-24-27(Channel:343000, 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
1715	99	26	0.03	Peak	9.26	9.86	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	9.2580 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-18.839 kHz
x dB Bandwidth	9.864 MHz

Additional parameters shown in the interface include: Ch Freq 1.715 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.3 dB, Center 1.715 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**2.20. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	9.27	9.86	10	Pass

Agilent

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

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

10.4
dB

Center 1.745 000 GHz
Span 20 MHz

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

**Occupied Bandwidth**  
9.2654 MHz

**Occ BW % Pwr**  
99.00 %

**Transmit Freq Error**  
-10.103 kHz

**x dB Bandwidth**  
9.855 MHz

**x dB**  
-26.00 dB

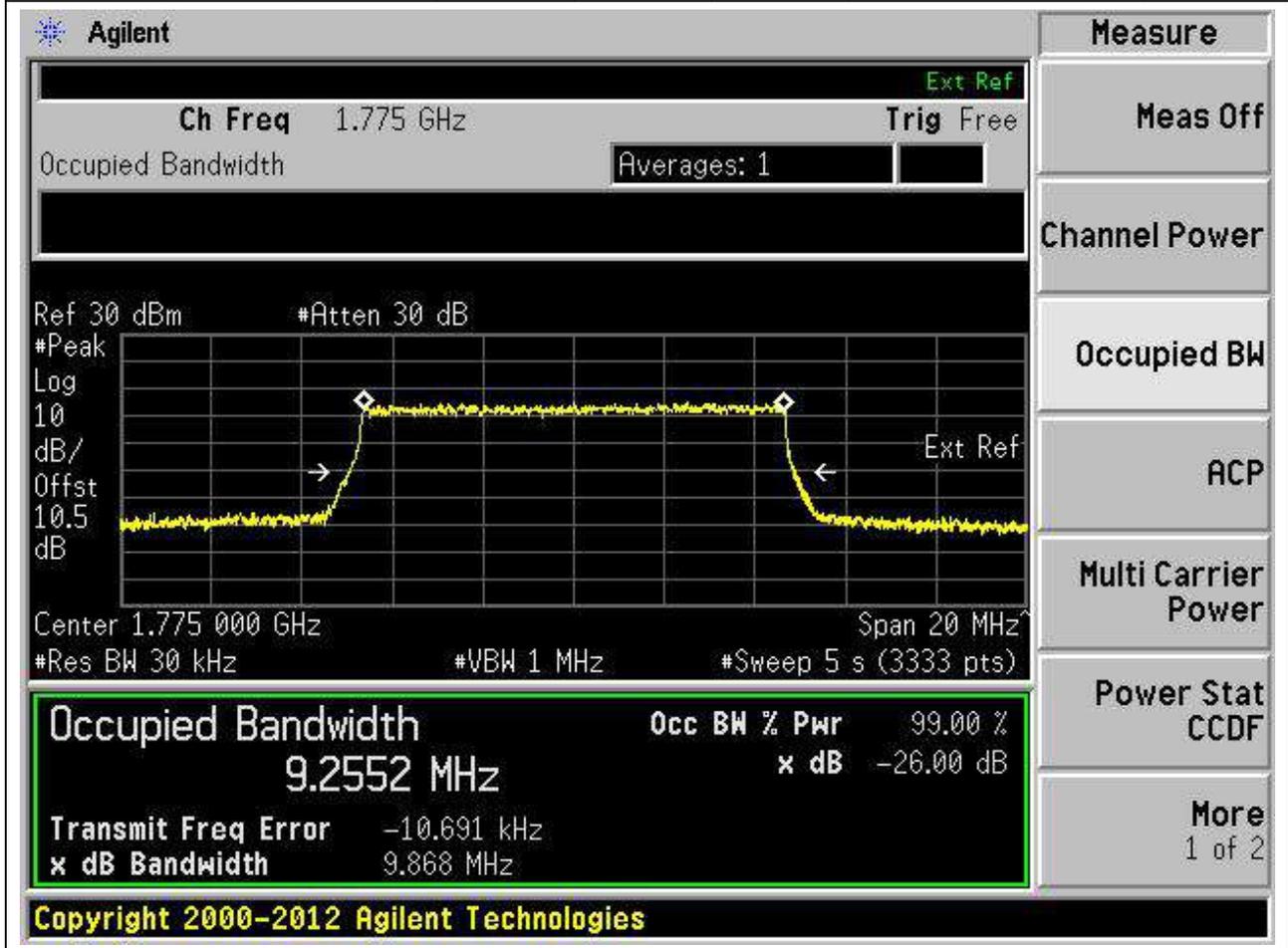
**Copyright 2000-2012 Agilent Technologies**

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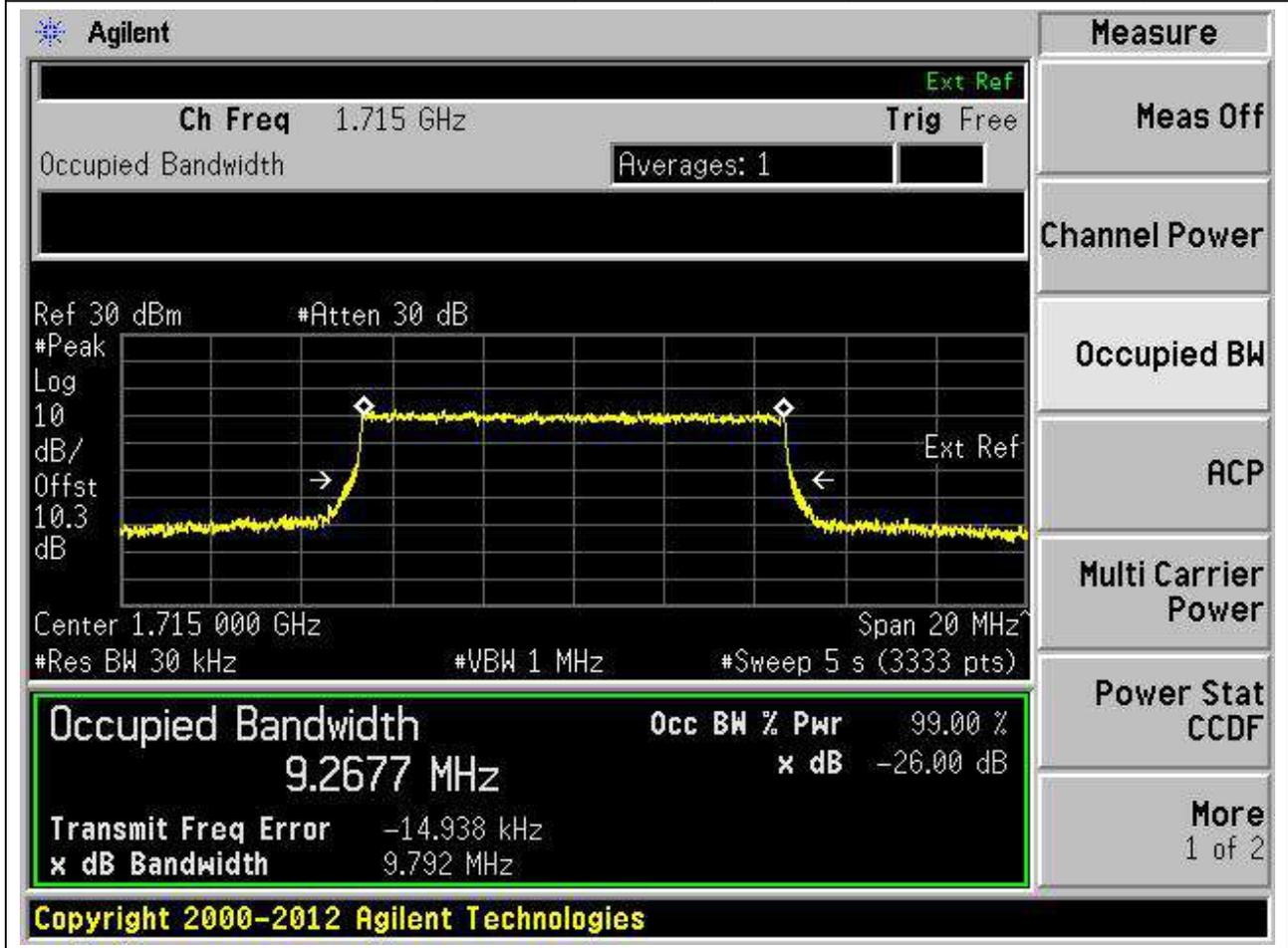
**2.21. Occupied Bandwidth for SA\_Part22-24-27(Channel:355000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.03	Peak	9.26	9.87	10	Pass



**2.22. Occupied Bandwidth for SA\_Part22-24-27(Channel:343000, 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
1715	99	26	0.03	Peak	9.27	9.79	10	Pass



**2.23. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	9.28	9.8	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 1.745 GHz with a span of 20 MHz. The signal level is approximately 30 dBm, and the attenuation is 30 dB. The occupied bandwidth is highlighted with a green box, showing a value of 9.2769 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -10.424 kHz and the XdB bandwidth is 9.802 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2769 MHz	x dB	-26.00 dB
Transmit Freq Error		-10.424 kHz
x dB Bandwidth		9.802 MHz

**2.24. Occupied Bandwidth for SA\_Part22-24-27(Channel:355000, 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
1775	99	26	0.03	Peak	9.27	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:

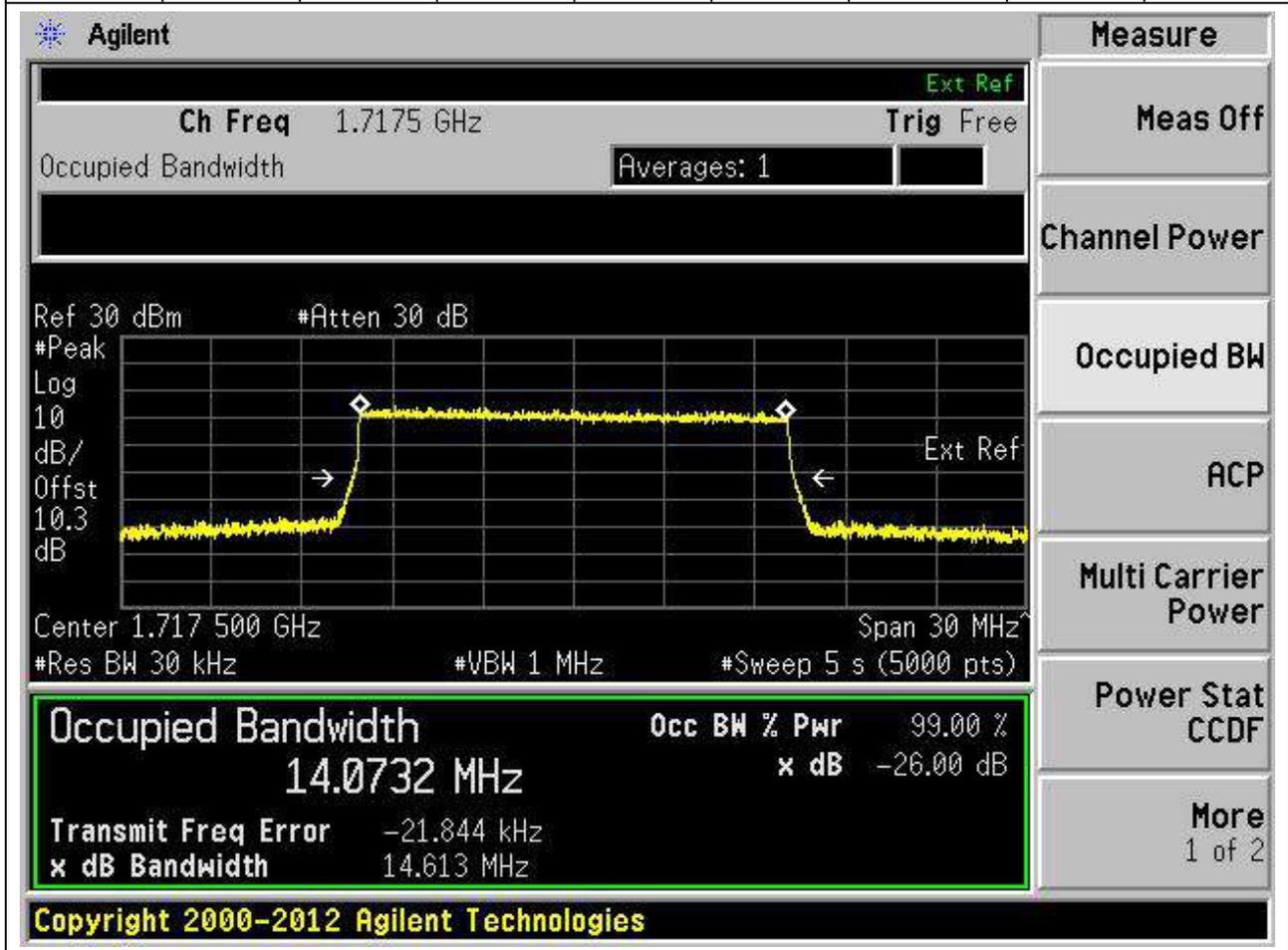
Measurement	Value
Occupied Bandwidth	9.2697 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-8.252 kHz
x dB Bandwidth	9.847 MHz

Other visible parameters include: Ch Freq 1.775 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.5 dB, Center 1.775 000 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**2.25. Occupied Bandwidth for SA\_Part22-24-27(Channel:343500, 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
1717.5	99	26	0.03	Peak	14.07	14.61	15	Pass



**2.26. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	14.07	14.67	15	Pass

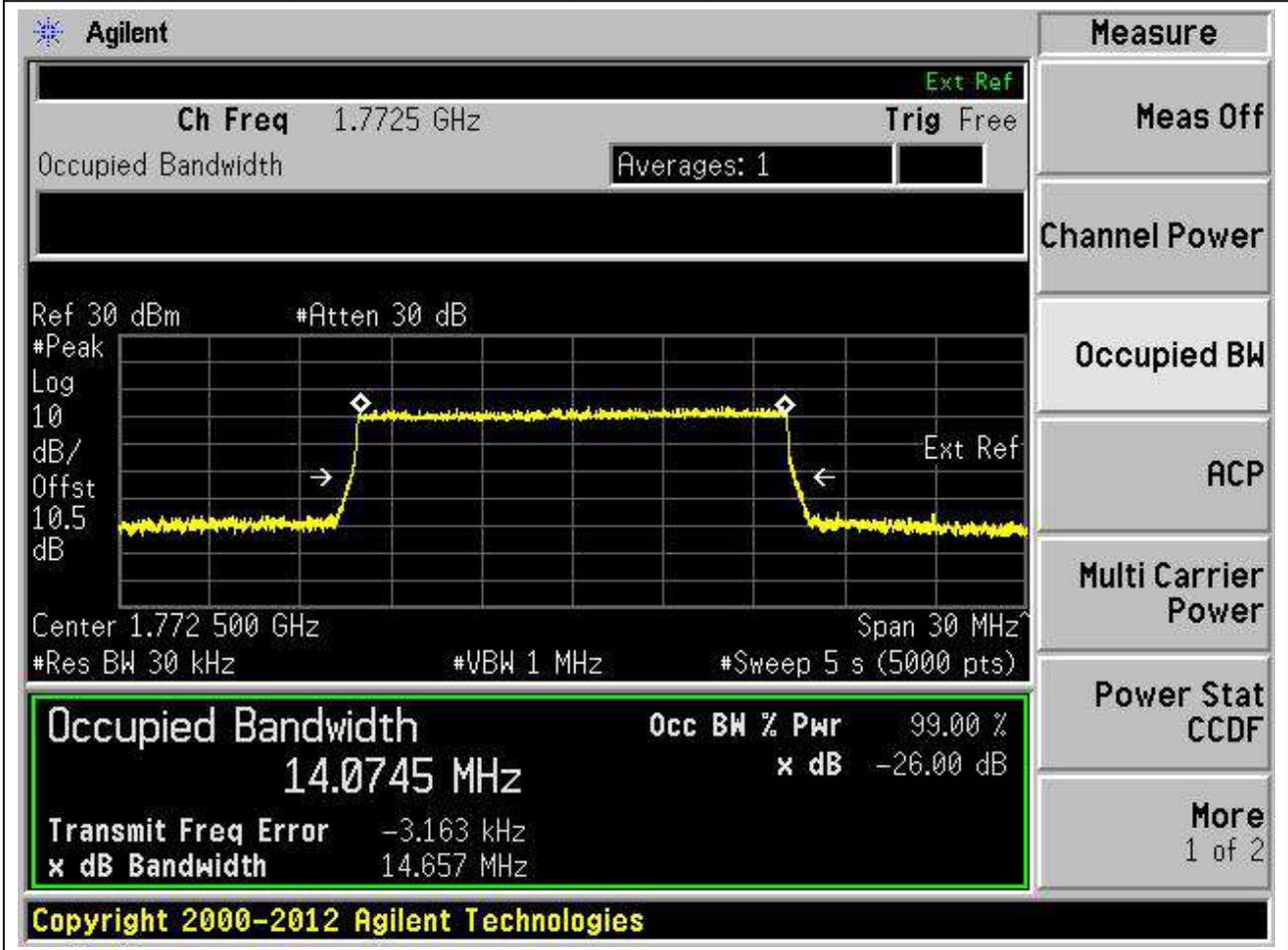
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 1.745 GHz with a 30 MHz span. The signal level is approximately 10.4 dB. The occupied bandwidth is highlighted with a green box and shows a value of 14.0742 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).

Occupied Bandwidth		Occ BW % Pwr	99.00 %
14.0742 MHz		x dB	-26.00 dB
Transmit Freq Error	-726.178 Hz		
x dB Bandwidth	14.670 MHz		

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**2.27. Occupied Bandwidth for SA\_Part22-24-27(Channel:354500, 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
1772.5	99	26	0.03	Peak	14.07	14.66	15	Pass



**2.28. Occupied Bandwidth for SA\_Part22-24-27(Channel:343500, 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
1717.5	99	26	0.03	Peak	14.06	14.57	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 1.7175 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0603 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -30.831 kHz, and the XdB bandwidth is 14.568 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 %
14.0603 MHz	x dB	-26.00 dB
Transmit Freq Error	-30.831 kHz	
x dB Bandwidth	14.568 MHz	

**2.29. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	14.06	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is set to a center frequency of 1.745 GHz and a span of 30 MHz. The signal level is approximately 30 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 14.0613 MHz, which is 99.00% of the 15 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -6.914 kHz, and the XdB bandwidth is 14.621 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 %
14.0613 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.914 kHz	
x dB Bandwidth	14.621 MHz	

**2.30. Occupied Bandwidth for SA\_Part22-24-27(Channel:354500, 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
1772.5	99	26	0.03	Peak	14.06	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 1.7725 GHz. The occupied bandwidth is measured as 14.0552 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -9.657 kHz and the XdB bandwidth is 14.531 MHz. The interface includes various measurement buttons on the right side, such as Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More. The bottom of the screen shows the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0552 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.657 kHz	
x dB Bandwidth	14.531 MHz	

**2.31. Occupied Bandwidth for SA\_Part22-24-27(Channel:343500, 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
1717.5	99	26	0.03	Peak	14.07	14.55	15	Pass

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

Measurement	Value
Occupied Bandwidth	14.0700 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-28.187 kHz
x dB Bandwidth	14.551 MHz

Additional parameters shown in the interface include: Ch Freq 1.7175 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.3 dB, Center 1.717 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**2.32. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	14.08	14.61	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 set to a center frequency of 1.745 GHz and a span of 30 MHz. The signal level is approximately 30 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 14.0824 MHz, which is 99.00% of the 15 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -7.277 kHz, and the XdB bandwidth is 14.607 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 %
14.0824 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.277 kHz
x dB Bandwidth		14.607 MHz

**2.33. Occupied Bandwidth for SA\_Part22-24-27(Channel:354500, 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
1772.5	99	26	0.03	Peak	14.08	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	14.0802 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.191 kHz
x dB Bandwidth	14.600 MHz

Additional parameters shown in the interface include: Ch Freq 1.7725 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.5 dB, Center 1.772 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**2.34. Occupied Bandwidth for SA\_Part22-24-27(Channel:343500, 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
1717.5	99	26	0.03	Peak	14.06	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.7175 GHz, and the span is 30 MHz. The occupied bandwidth is highlighted as 14.0627 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -28.340 kHz, and the XdB bandwidth is 14.618 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0627 MHz	x dB	-26.00 dB
Transmit Freq Error	-28.340 kHz	
x dB Bandwidth	14.618 MHz	

**2.35. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	14.08	14.67	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 1.745 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0791 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Measurement	Value
Occupied Bandwidth	14.0791 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	361.426 Hz
x dB Bandwidth	14.669 MHz

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**2.36. Occupied Bandwidth for SA\_Part22-24-27(Channel:354500, 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
1772.5	99	26	0.03	Peak	14.08	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The trace is centered at 1.7725 GHz with a span of 30 MHz. The signal level is approximately 10 dBm. The occupied bandwidth is measured as 14.0788 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -1.742 kHz, and the XdB bandwidth is 14.622 MHz. The interface also shows various settings 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 %
14.0788 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.742 kHz	
x dB Bandwidth	14.622 MHz	

**2.37. Occupied Bandwidth for SA\_Part22-24-27(Channel:344000, 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
1720	99	26	0.03	Peak	18.88	19.48	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 1.720 GHz with a span of 40 MHz. The vertical axis is labeled 'dB/Offst' with a scale of 10.4 dB. The horizontal axis is labeled 'Center' with a value of 1.720 000 GHz. The plot shows a signal with a peak level of approximately 10.4 dB and a bandwidth of 18.8758 MHz. The signal is identified as 'Occupied Bandwidth' with a power of 99.00% and a level of -26.00 dB. The plot also shows 'Transmit Freq Error' as -39.011 kHz and 'x dB Bandwidth' as 19.476 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8758 MHz	x dB	-26.00 dB
Transmit Freq Error		-39.011 kHz
x dB Bandwidth		19.476 MHz

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**2.38. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	18.88	19.53	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.745 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8790 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -4.011 kHz, and the XdB bandwidth is 19.534 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8790 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.011 kHz
x dB Bandwidth		19.534 MHz

**2.39. Occupied Bandwidth for SA\_Part22-24-27(Channel:354000, 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
1770	99	26	0.03	Peak	18.91	19.6	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 1.770 GHz with a span of 40 MHz. The signal level is approximately -26 dB. The Occupied Bandwidth (OBW) is measured as 18.9083 MHz, which is 99.00% of the 19.598 MHz x dB Bandwidth. The XdB Down is 26 dB. The detector is set to Peak. The upper limit is 20 MHz. The verdict is Pass.

**Measure**

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

**Occupied Bandwidth** 18.9083 MHz

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error -3.986 kHz  
x dB Bandwidth 19.598 MHz

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**2.40. Occupied Bandwidth for SA\_Part22-24-27(Channel:344000, 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
1720	99	26	0.03	Peak	18.89	19.46	20	Pass

Agilent
Measure

Ch Freq 1.72 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 1.720 000 GHz Span 40 MHz

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

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

**18.8941 MHz** x dB -26.00 dB

Transmit Freq Error -32.315 kHz

x dB Bandwidth 19.462 MHz

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**2.41. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	18.9	19.51	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 1.745 GHz with a span of 40 MHz. The y-axis is labeled 'dB/Offst' and ranges from 10.4 dB to 30 dB. The plot shows a signal with a flat top and sloped sides, characteristic of a modulated signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 18.8968 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 3.396 kHz and the 'x dB Bandwidth' is 19.509 MHz. The interface also shows various measurement settings like 'Ch Freq 1.745 GHz', 'Trig Free', 'Averages: 1', and 'Ref 30 dBm #Atten 30 dB'. A vertical menu on the right side contains buttons for 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The footer of the screen reads 'Copyright 2000-2012 Agilent Technologies'.

**2.42. Occupied Bandwidth for SA\_Part22-24-27(Channel:354000, 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
1770	99	26	0.03	Peak	18.92	19.44	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 1.770 GHz with a span of 40 MHz. The signal level is approximately 10.5 dB. The occupied bandwidth is highlighted with a green box and shows a value of 18.9196 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 %
18.9196 MHz	x dB	-26.00 dB
Transmit Freq Error	2.145 kHz	
x dB Bandwidth	19.437 MHz	

**2.43. Occupied Bandwidth for SA\_Part22-24-27(Channel:344000, 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
1720	99	26	0.03	Peak	18.9	19.39	20	Pass

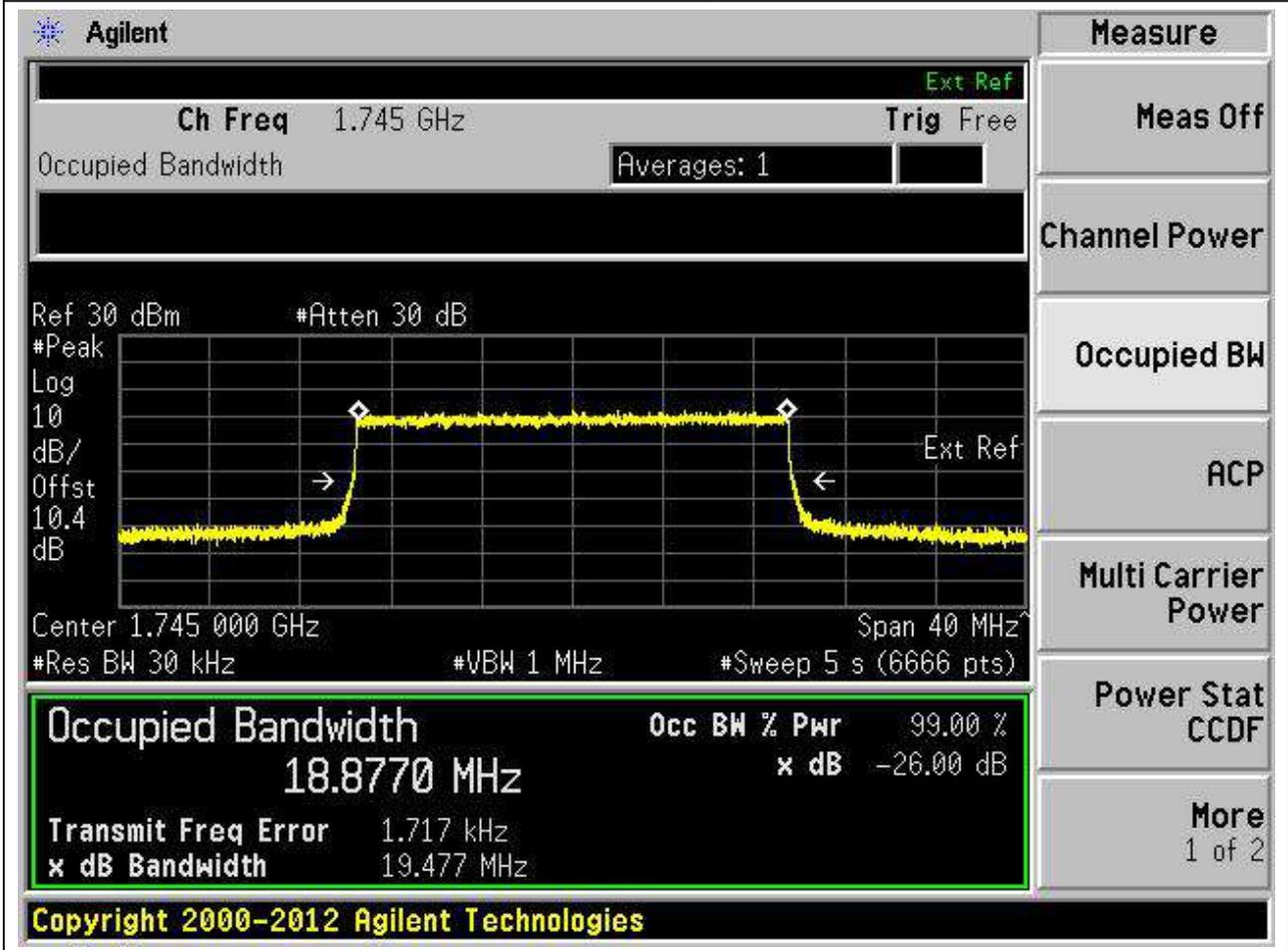
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.720 GHz with a span of 40 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.4 dB'. The horizontal axis is labeled 'Center 1.720 000 GHz' and 'Span 40 MHz'. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 18.8954 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -32.800 kHz and the 'x dB Bandwidth' is 19.387 MHz. The 'Averages' are set to 1. The 'Meas Off' button is visible on the right side of the interface.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8954 MHz	99.00 %	-26.00 dB

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**2.44. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	18.88	19.48	20	Pass



**2.45. Occupied Bandwidth for SA\_Part22-24-27(Channel:354000, 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
1770	99	26	0.03	Peak	18.91	19.49	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	18.9060 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.529 kHz
x dB Bandwidth	19.490 MHz

Other visible parameters include: Ch Freq 1.77 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.5 dB, Center 1.770 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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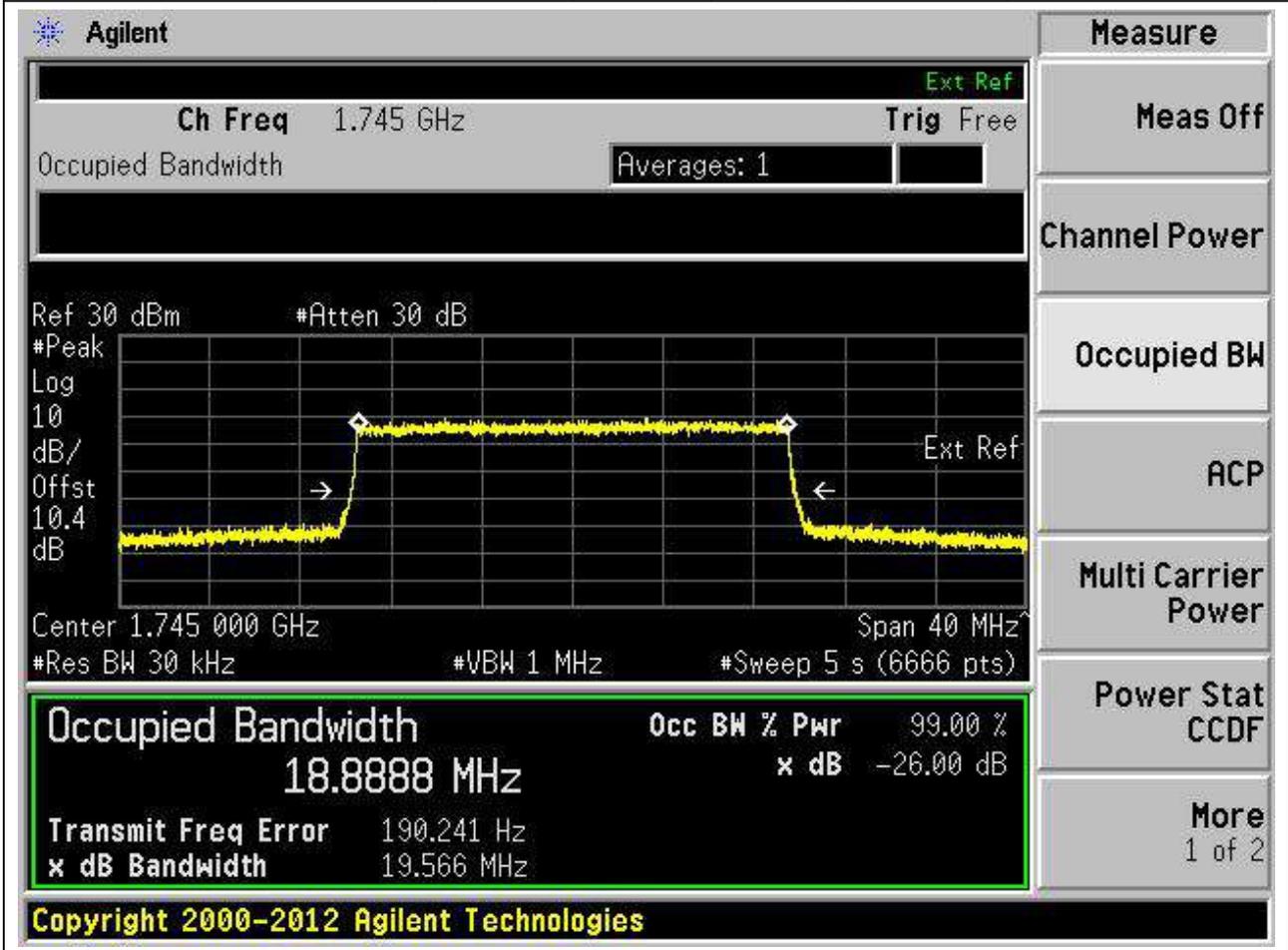
**2.46. Occupied Bandwidth for SA\_Part22-24-27(Channel:344000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.03	Peak	18.89	19.52	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 1.720 GHz with a span of 40 MHz. The y-axis is labeled 'dB' and ranges from 10 to 10.4. The plot shows a signal with a peak at approximately 1.720 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 18.8905 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -37.593 kHz and the 'x dB Bandwidth' is 19.516 MHz. The interface also shows various measurement settings such as 'Ch Freq 1.72 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'.

**2.47. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	0.03	Peak	18.89	19.57	20	Pass



**2.48. Occupied Bandwidth for SA\_Part22-24-27(Channel:354000, 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
1770	99	26	0.03	Peak	18.94	19.58	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and the x-axis is 'Center 1.770 000 GHz'. The plot shows a signal with a bandwidth of approximately 19 MHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

**Occupied Bandwidth** 18.9356 MHz

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error -738.012 Hz  
x dB Bandwidth 19.583 MHz

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

**2.49. Occupied Bandwidth for SA\_Part22-24-27(Channel:344500, 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
1722.5	99	26	1	Peak	24.15	26.17	25	Pass

Agilent
Measure

Ch Freq 1.7225 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 1.722 500 GHz Span 50 MHz

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

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

**24.1535 MHz** x dB -26.00 dB

Transmit Freq Error -36.689 kHz

x dB Bandwidth 26.168 MHz

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**2.50. Occupied Bandwidth for SA\_Part22-24-27(Channel:349000, 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
1745	99	26	1	Peak	24.07	26.19	25	Pass

Agilent
Measure

Ch Freq 1.745 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

#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**

24.0665 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 58.716 kHz

x dB Bandwidth 26.189 MHz

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