

**3.64. Occupied Bandwidth for SA\_Part22-24-27(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.88	31.01	30	Pass

Agilent

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

Ch Freq 2.515 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.515 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 %
28.8806 MHz	x dB -26.00 dB
Transmit Freq Error	-3.259 kHz
x dB Bandwidth	31.010 MHz

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**3.65. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	28.85	31.04	30	Pass

Agilent
Measure

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**28.8487 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 2.184 kHz

x dB Bandwidth 31.043 MHz

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**3.66. Occupied Bandwidth for SA\_Part22-24-27(Channel:511000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2555	99	26	1	Peak	28.9	31.11	30	Pass

Agilent
Measure

Ch Freq 2.555 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 2.555 00 GHz Span 60 MHz

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

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

**28.9027 MHz** x dB -26.00 dB

Transmit Freq Error -26.503 kHz

x dB Bandwidth 31.108 MHz

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**3.67. Occupied Bandwidth for SA\_Part22-24-27(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.89	33.84	30	Pass

Agilent
Measure

Ch Freq 2.515 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**

**28.8865 MHz**

Transmit Freq Error -12.132 kHz

x dB Bandwidth 33.837 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.68. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	28.85	33.69	30	Pass

Agilent

Measure

Ch Freq 2.535 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**

**28.8464 MHz**

Transmit Freq Error -17.765 kHz

x dB Bandwidth 33.692 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.69. Occupied Bandwidth for SA\_Part22-24-27(Channel:511000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2555	99	26	1	Peak	28.9	33.73	30	Pass

Agilent
Measure

Ch Freq 2.555 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 2.555 00 GHz Span 60 MHz

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

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

**28.9015 MHz** x dB -26.00 dB

Transmit Freq Error -40.935 kHz

x dB Bandwidth 33.731 MHz

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**3.70. Occupied Bandwidth for SA\_Part22-24-27(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.81	31.19	30	Pass

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

Measurement	Value
Occupied Bandwidth	28.8126 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-18.805 kHz
x dB Bandwidth	31.193 MHz

Additional parameters shown in the interface include: Ch Freq 2.515 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.3 dB, Center 2.515 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**3.71. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	28.79	31.14	30	Pass

Agilent

Measure

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.4
dB

Center 2.535 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 %
28.7875 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-15.306 kHz
<b>x dB Bandwidth</b>	31.143 MHz

Power Stat

More

CCDF

1 of 2

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**3.72. Occupied Bandwidth for SA\_Part22-24-27(Channel:511000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2555	99	26	1	Peak	28.82	31.18	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 11.5 dB' and the x-axis is 'Center 2.555 00 GHz'. The plot shows a signal with a flat top and sloping sides, characteristic of a modulated signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

Measurement	Value
Occupied Bandwidth	28.8211 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-51.090 kHz
x dB Bandwidth	31.182 MHz

Other visible parameters include: Ch Freq 2.555 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts), Span 60 MHz. 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).

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**3.73. Occupied Bandwidth for SA\_Part22-24-27(Channel:503500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2517.5	99	26	1	Peak	33.79	36.16	35	Pass

Agilent
Measure

Ch Freq 2.5175 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.517500 GHz Span 70 MHz

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

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

**33.7893 MHz** x dB -26.00 dB

Transmit Freq Error -43.243 kHz

x dB Bandwidth 36.162 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.74. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	33.72	36.1	35	Pass

Agilent
Measure

Ch Freq 2.535 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**

**33.7244 MHz**

Transmit Freq Error -58.709 kHz

x dB Bandwidth 36.100 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.75. Occupied Bandwidth for SA\_Part22-24-27(Channel:510500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2552.5	99	26	1	Peak	33.77	36.15	35	Pass

Agilent
Measure

Ch Freq 2.5525 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
33.7697 MHz	x dB -26.00 dB
Transmit Freq Error	-83.369 kHz
x dB Bandwidth	36.155 MHz

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**3.76. Occupied Bandwidth for SA\_Part22-24-27(Channel:503500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2517.5	99	26	1	Peak	33.93	36.31	35	Pass

Agilent
Measure

Ch Freq 2.5175 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**

**33.9268 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 26.355 kHz

x dB Bandwidth 36.306 MHz

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**3.77. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	33.87	36.27	35	Pass

Agilent
Measure

Ch Freq 2.535 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 2.535 000 GHz Span 70 MHz

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

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

**33.8684 MHz** x dB -26.00 dB

Transmit Freq Error 17.729 kHz

x dB Bandwidth 36.265 MHz

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**3.78. Occupied Bandwidth for SA\_Part22-24-27(Channel:510500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2552.5	99	26	1	Peak	33.92	36.28	35	Pass

Agilent

Measure

Ch Freq 2.5525 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 2.552 500 GHz
Span 70 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
33.9184 MHz	x dB -26.00 dB
Transmit Freq Error	-16.150 kHz
x dB Bandwidth	36.280 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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**3.79. Occupied Bandwidth for SA\_Part22-24-27(Channel:503500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2517.5	99	26	1	Peak	33.87	36.31	35	Pass

Agilent
Measure

Ch Freq 2.5175 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 2.517 500 GHz Span 70 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**33.8698 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 17.736 kHz

x dB Bandwidth 36.308 MHz

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**3.80. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	33.81	36.26	35	Pass

Agilent
Measure

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.535 000 GHz Span 70 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
33.8134 MHz	x dB -26.00 dB
Transmit Freq Error 3.616 kHz	
x dB Bandwidth 36.262 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.81. Occupied Bandwidth for SA\_Part22-24-27(Channel:510500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2552.5	99	26	1	Peak	33.85	37.28	35	Pass

Agilent
Measure

Ch Freq 2.5525 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.552 500 GHz Span 70 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**33.8470 MHz**

Transmit Freq Error -31.918 kHz

x dB Bandwidth 37.278 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.82. Occupied Bandwidth for SA\_Part22-24-27(Channel:503500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2517.5	99	26	1	Peak	33.81	36.19	35	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 2.5175 GHz. The Occupied Bandwidth (OBW) is measured as 33.8121 MHz, which is 99.00% of the 35 MHz channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is 45.597 kHz, and the XdB Bandwidth is 36.189 MHz. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	33.8121 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	45.597 kHz
x dB Bandwidth	36.189 MHz

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**3.83. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	33.75	36.09	35	Pass

Agilent
Measure

Ch Freq 2.535 GHz Ext Ref

Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Ref 30 dBm #Atten 30 dB

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

**33.7526 MHz** x dB -26.00 dB

Transmit Freq Error 33.909 kHz

x dB Bandwidth 36.089 MHz

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**3.84. Occupied Bandwidth for SA\_Part22-24-27(Channel:510500, Bandwidth:35, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:188, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2552.5	99	26	1	Peak	33.74	36.06	35	Pass

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

Measurement	Value
Occupied Bandwidth	33.7423 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-39.552 kHz
x dB Bandwidth	36.058 MHz

Additional parameters shown in the interface include: Ch Freq 2.5525 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.5 dB, Center 2.552 500 GHz, Span 70 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**3.85. Occupied Bandwidth for SA\_Part22-24-27(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.75	41.3	40	Pass

Agilent
Measure

Ch Freq 2.52 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.520 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 %
38.7453 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-2.687 kHz
<b>x dB Bandwidth</b>	41.304 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.86. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.71	41.19	40	Pass

Agilent
Measure

Ch Freq 2.535 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 2.535 0 GHz Span 80 MHz

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

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

**38.7127 MHz** x dB -26.00 dB

Transmit Freq Error -11.469 kHz

x dB Bandwidth 41.189 MHz

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**3.87. Occupied Bandwidth for SA\_Part22-24-27(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.74	41.22	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 2.55 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted as 38.7375 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -27.414 kHz, and the XdB bandwidth is 41.223 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 %
38.7375 MHz	x dB	-26.00 dB
Transmit Freq Error	-27.414 kHz	
x dB Bandwidth	41.223 MHz	

**3.88. Occupied Bandwidth for SA\_Part22-24-27(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.85	41.33	40	Pass

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

Measurement	Value
Occupied Bandwidth	38.8477 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-40.311 kHz
x dB Bandwidth	41.325 MHz

Additional parameters shown in the interface include: Ch Freq 2.52 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.3 dB, Center 2.520 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**3.89. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.8	41.31	40	Pass

Agilent
Measure

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.535 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 %
38.8013 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-56.544 kHz
<b>x dB Bandwidth</b>	41.313 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.90. Occupied Bandwidth for SA\_Part22-24-27(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.83	41.3	40	Pass

Agilent

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

Ch Freq 2.55 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

11.4

dB

Center 2.5500 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 %
38.8301 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-73.388 kHz
<b>x dB Bandwidth</b>	41.303 MHz

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**3.91. Occupied Bandwidth for SA\_Part22-24-27(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.86	41.32	40	Pass

Agilent
Measure

Ch Freq 2.52 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**

**38.8629 MHz**

Transmit Freq Error 53.814 kHz

x dB Bandwidth 41.322 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.92. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.81	41.24	40	Pass

Agilent
Measure

Ch Freq 2.535 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 2.535 0 GHz Span 80 MHz

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

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

**38.8056 MHz** x dB -26.00 dB

Transmit Freq Error 37.165 kHz

x dB Bandwidth 41.245 MHz

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**3.93. Occupied Bandwidth for SA\_Part22-24-27(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.83	41.29	40	Pass

Agilent
Measure

Ch Freq 2.55 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**

**38.8346 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 22.331 kHz

x dB Bandwidth 41.289 MHz

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**3.94. Occupied Bandwidth for SA\_Part22-24-27(Channel:504000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2520	99	26	1	Peak	38.72	41.21	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 2.520 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted as 38.7215 MHz. The power level 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'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.7215 MHz	x dB	-26.00 dB
Transmit Freq Error	24.954 kHz	
x dB Bandwidth	41.208 MHz	

**3.95. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	38.66	41.18	40	Pass

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

Measurement	Value
Occupied Bandwidth	38.6558 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.040 kHz
x dB Bandwidth	41.185 MHz

Additional parameters shown in the interface include: Ch Freq 2.535 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.4 dB, Center 2.535 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**3.96. Occupied Bandwidth for SA\_Part22-24-27(Channel:510000, Bandwidth:40, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:216, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2550	99	26	1	Peak	38.7	41.16	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 2.55 GHz, and the span is 80 MHz. The occupied bandwidth is highlighted in green, showing a value of 38.6981 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -7.093 kHz, and the XdB bandwidth is 41.158 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 %
38.6981 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.093 kHz
x dB Bandwidth		41.158 MHz

**3.97. Occupied Bandwidth for SA\_Part22-24-27(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.28	51.03	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 2.525 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 48.2768 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-93.777 kHz) and x dB Bandwidth (51.033 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'.

**3.98. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.32	51.01	50	Pass

Agilent

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

Ch Freq 2.535 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.535 00 GHz Span 100 MHz  
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
48.3211 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-76.836 kHz
<b>x dB Bandwidth</b>	51.013 MHz

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**3.99. Occupied Bandwidth for SA\_Part22-24-27(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.32	50.98	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.545 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.3219 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -95.904 kHz, and the XdB bandwidth is 50.977 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 %
48.3219 MHz	x dB	-26.00 dB
Transmit Freq Error	-95.904 kHz	
x dB Bandwidth	50.977 MHz	

**3.100. Occupied Bandwidth for SA\_Part22-24-27(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.45	51.01	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 2.525 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 48.4517 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error of -56.948 kHz and x dB Bandwidth of 51.011 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'.

**3.101. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.45	51.01	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 2.535 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 48.4514 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters include Transmit Freq Error of -67.702 kHz and x dB Bandwidth of 51.006 MHz. The interface also shows various measurement options like Channel Power, ACP, Multi Carrier Power, and Power Stat CCDF.

Measurement	Value
Occupied Bandwidth	48.4514 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-67.702 kHz
x dB Bandwidth	51.006 MHz

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**3.102. Occupied Bandwidth for SA\_Part22-24-27(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.45	51	50	Pass

Agilent

Ext Ref

**Ch Freq** 2.545 GHz **Trig** Free

Occupied Bandwidth Averages: 1

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

Ref 30 dBm      #Atten 30 dB

#Peak  
Log  
10  
dB/  
Offst  
11.4  
dB

Center 2.545 00 GHz Span 100 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
48.4465 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-73.345 kHz
<b>x dB Bandwidth</b>	51.004 MHz

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**3.103. Occupied Bandwidth for SA\_Part22-24-27(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.32	51.12	50	Pass

Agilent
Measure

Ch Freq 2.525 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.525 00 GHz Span 100 MHz  
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
48.3156 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 25.465 kHz	
<b>x dB Bandwidth</b> 51.118 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.104. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.3	51.12	50	Pass

Agilent
Measure

Ch Freq 2.535 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 2.535 00 GHz Span 100 MHz

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

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

48.3047 MHz x dB -26.00 dB

Transmit Freq Error 30.301 kHz

x dB Bandwidth 51.119 MHz

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**3.105. Occupied Bandwidth for SA\_Part22-24-27(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.3	51.05	50	Pass

Agilent
Measure

Ch Freq 2.545 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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
48.3010 MHz	x dB -26.00 dB
Transmit Freq Error 14.490 kHz	
x dB Bandwidth 51.046 MHz	

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**3.106. Occupied Bandwidth for SA\_Part22-24-27(Channel:505000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2525	99	26	1	Peak	48.3	51.05	50	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.525 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 48.3047 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -24.541 kHz, and the XdB bandwidth is 51.047 MHz. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	48.3047 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-24.541 kHz
x dB Bandwidth	51.047 MHz

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**3.107. Occupied Bandwidth for SA\_Part22-24-27(Channel:507000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	48.32	51.05	50	Pass

Agilent
Measure

Ch Freq 2.535 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 2.535 00 GHz Span 100 MHz

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

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

48.3166 MHz x dB -26.00 dB

Transmit Freq Error -14.909 kHz

x dB Bandwidth 51.046 MHz

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**3.108. Occupied Bandwidth for SA\_Part22-24-27(Channel:509000, Bandwidth:50, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:270, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2545	99	26	1	Peak	48.3	50.99	50	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	48.2953 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-23.980 kHz
x dB Bandwidth	50.995 MHz

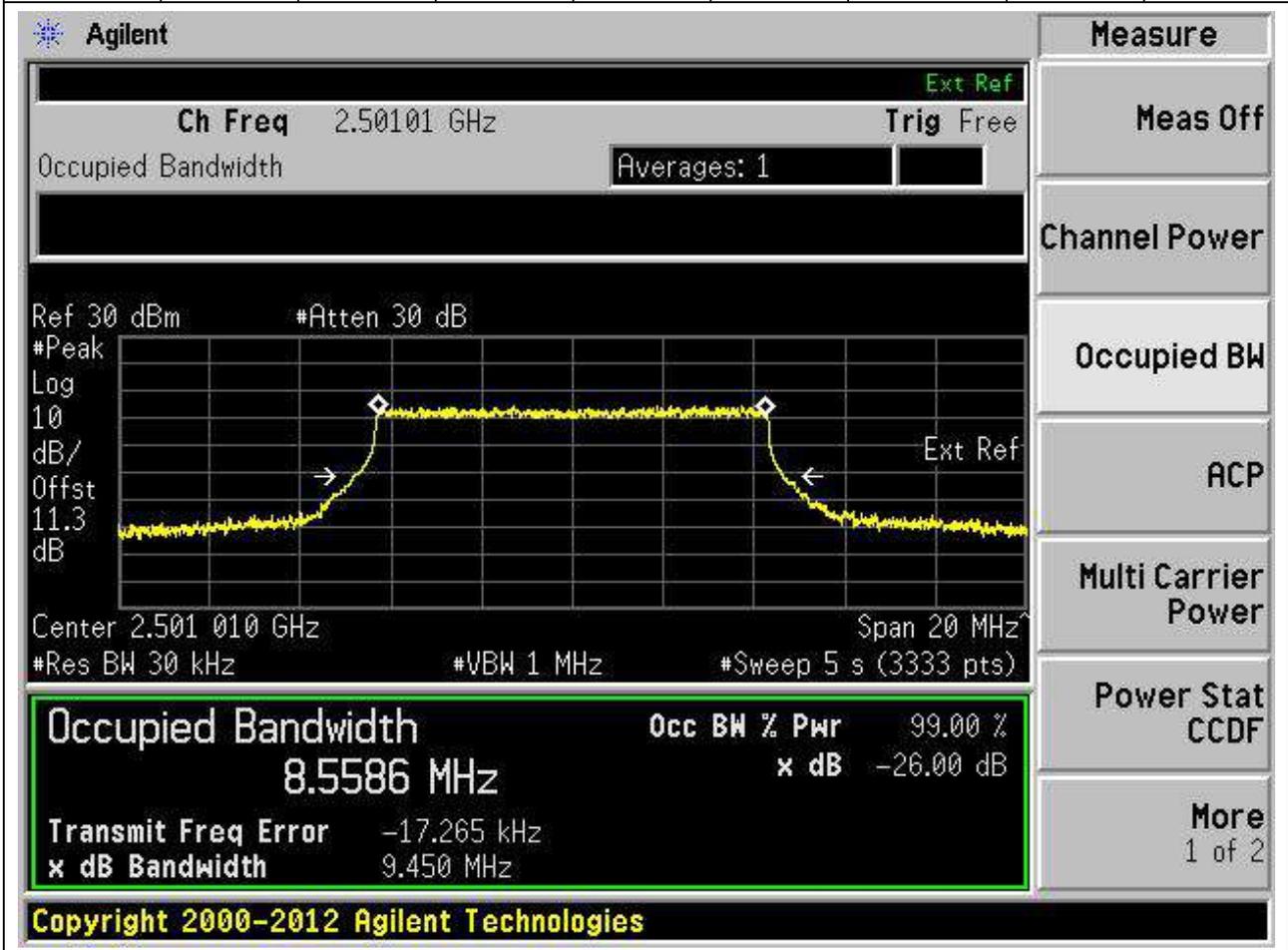
Other visible parameters include: Ch Freq 2.545 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.4 dB, Center 2.545 00 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (500 pts).

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## 5. n41

### 5.1. Occupied Bandwidth for SA\_Part22-24-27(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.56	9.45	10	Pass



**5.2. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.55	9.38	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	8.5504 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.522 kHz
x dB Bandwidth	9.384 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.5 dB, Center 2.592 990 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**5.3. Occupied Bandwidth for SA\_Part22-24-27(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.03	Peak	8.56	9.4	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.685 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted as 8.5602 MHz. The power level is 99.00% and the XdB bandwidth 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 %
8.5602 MHz		x dB	-26.00 dB
Transmit Freq Error		-15.752 kHz	
x dB Bandwidth		9.403 MHz	

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**5.4. Occupied Bandwidth for SA\_Part22-24-27(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.56	9.35	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.5635 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-17.643 kHz
x dB Bandwidth	9.349 MHz

Additional parameters shown in the interface include: Ch Freq 2.50101 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.3 dB, Center 2.501 010 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**5.5. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.56	9.3	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.5589 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-17.671 kHz
x dB Bandwidth	9.300 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.5 dB, Center 2.592 990 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**5.6. Occupied Bandwidth for SA\_Part22-24-27(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.03	Peak	8.57	9.48	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.685 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5672 MHz, which is 99.00% of the 8.57 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -21.096 kHz. The XdB bandwidth is 9.485 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.5672 MHz	x dB	-26.00 dB
Transmit Freq Error		-21.096 kHz
x dB Bandwidth		9.485 MHz

**5.7. Occupied Bandwidth for SA\_Part22-24-27(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.57	9.39	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 2.501010 GHz with a span of 20 MHz. The vertical axis is labeled 'Log 10 dB/Offst 11.3 dB'. The horizontal axis is labeled 'Center 2.501 010 GHz' and 'Span 20 MHz'. The plot shows a signal with a peak at approximately 2.501010 GHz. The signal is measured with a resolution bandwidth of 30 kHz and a video bandwidth of 1 MHz. The sweep time is 5 seconds (3333 points). The signal is measured with a reference level of 30 dBm and an attenuation of 30 dB. The signal is measured with a peak detector. The signal is measured with an external reference. The signal is measured with a peak detector. The signal is measured with an external reference.

The measurement results are displayed in the bottom left corner of the screen:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.5674 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-9.289 kHz
<b>x dB Bandwidth</b>		9.387 MHz

The right side of the screen shows a vertical menu of measurement options:

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

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**5.8. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.57	9.5	10	Pass

Agilent

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

Ch Freq 2.59299 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.5

dB
Ext Ref

Center 2.592 990 GHz
Span 20 MHz

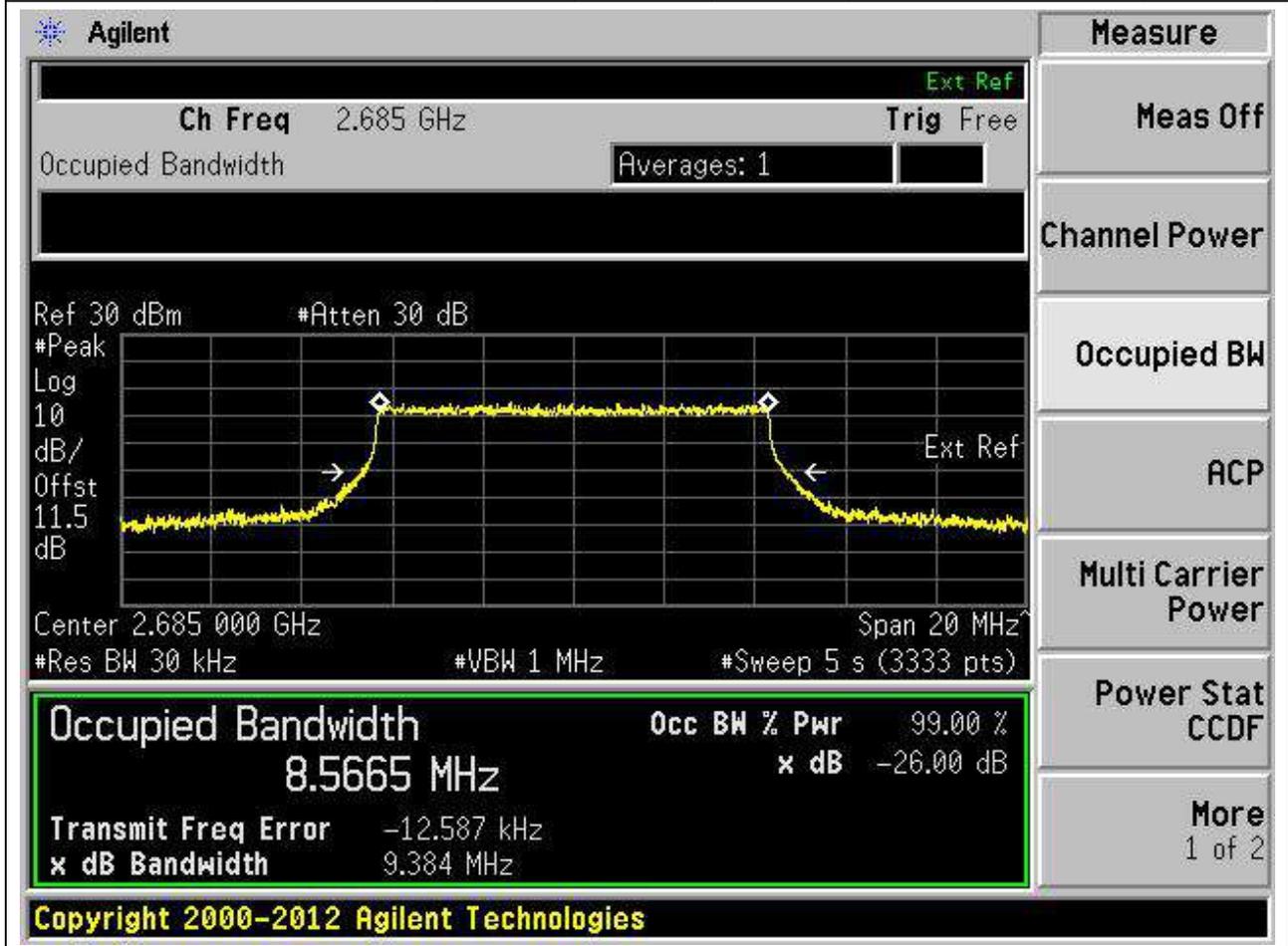
#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (3333 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.5748 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-16.043 kHz
<b>x dB Bandwidth</b>	9.501 MHz

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**5.9. Occupied Bandwidth for SA\_Part22-24-27(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.03	Peak	8.57	9.38	10	Pass



**5.10. Occupied Bandwidth for SA\_Part22-24-27(Channel:500202, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501.01	99	26	0.03	Peak	8.57	9.34	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 2.50101 GHz with a span of 20 MHz. The y-axis is labeled 'dB/Offst' with a value of 11.3 dB. The plot shows a signal with a flat top and sloping sides, indicating a modulated signal. Two white diamonds mark the edges of the signal, and arrows point to them from the text 'Occupied Bandwidth'.

Below the plot, the following parameters are displayed:

- Center: 2.501 010 GHz
- Span: 20 MHz
- #Res BW: 30 kHz
- #VBW: 1 MHz
- #Sweep: 5 s (3333 pts)

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.5697 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-14.604 kHz
<b>x dB Bandwidth</b>		9.338 MHz

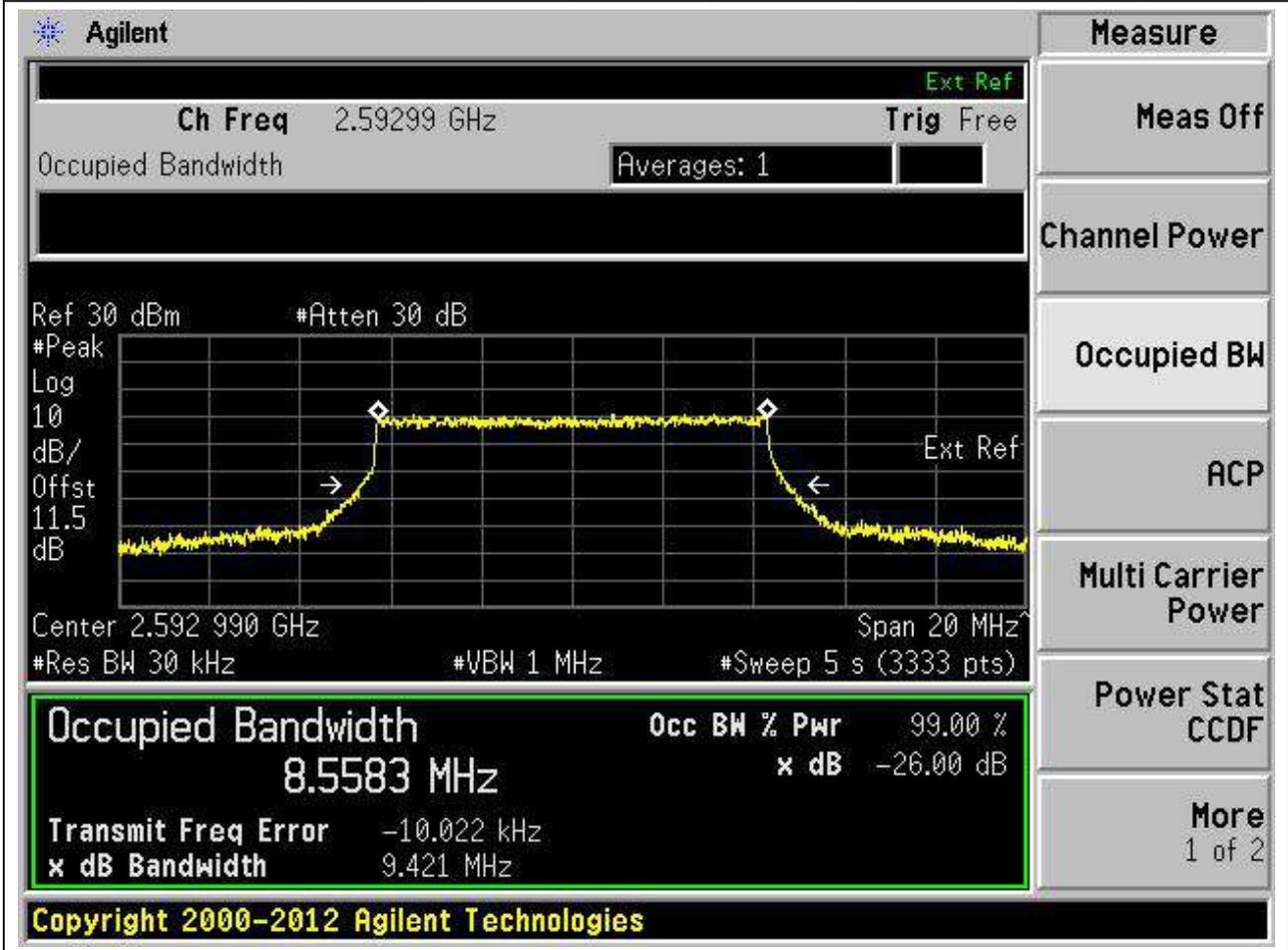
On the right side of the interface, there is a 'Measure' menu with the following options:

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

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

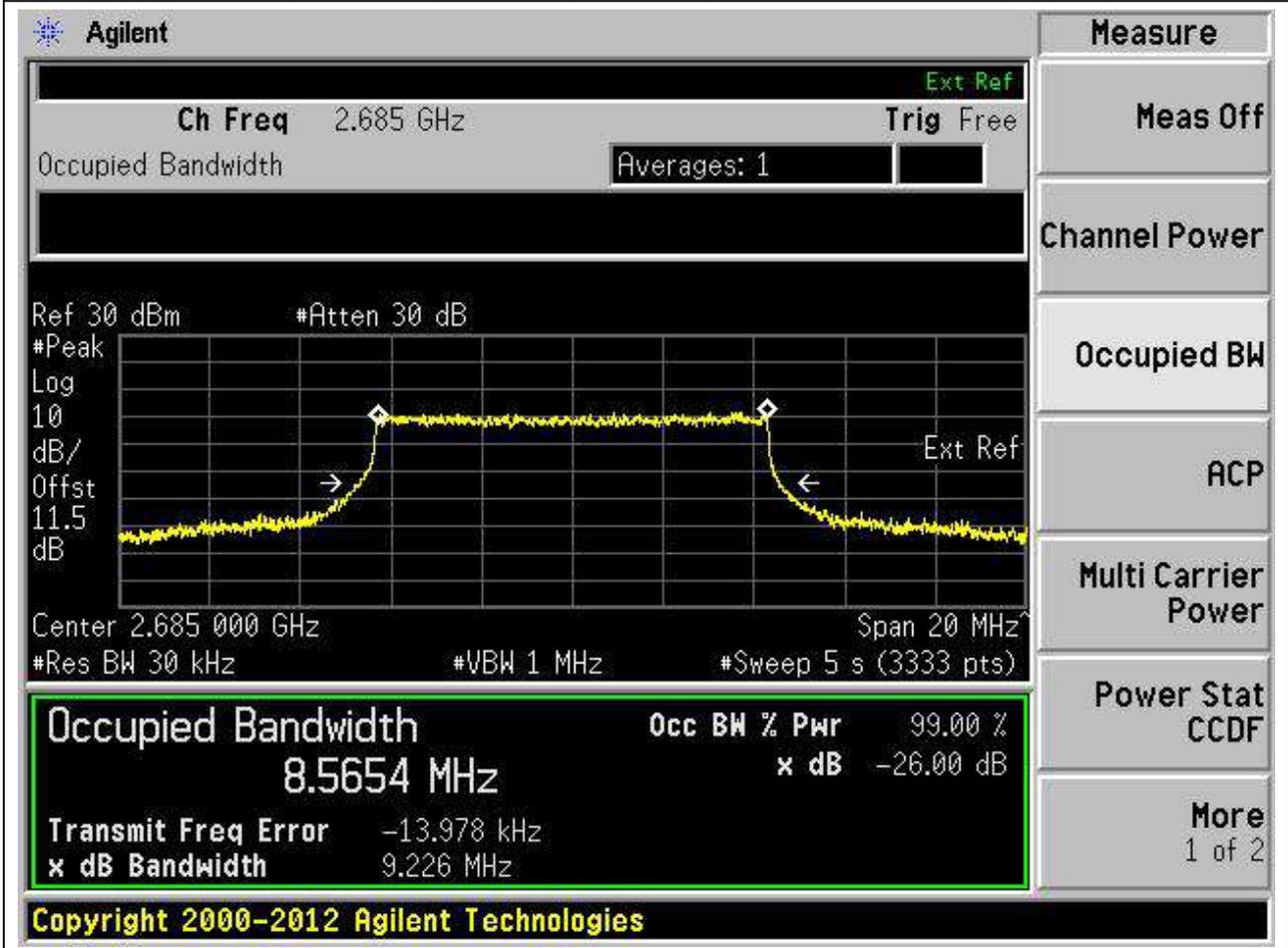
**5.11. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	8.56	9.42	10	Pass



**5.12. Occupied Bandwidth for SA\_Part22-24-27(Channel:537000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:24, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.03	Peak	8.57	9.23	10	Pass



**5.13. Occupied Bandwidth for SA\_Part22-24-27(Channel:500700, 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
2503.5	99	26	0.03	Peak	13.55	14.41	15	Pass

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

Measurement	Value
Occupied Bandwidth	13.5513 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-8.995 kHz
x dB Bandwidth	14.411 MHz

Additional parameters shown in the interface include: Ch Freq 2.5035 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.3 dB, Center 2.503 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**5.14. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	0.03	Peak	13.54	14.35	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 2.59299 GHz and a span of 30 MHz. The signal level is approximately 11.5 dB. The occupied bandwidth is highlighted with a green box and shows a value of 13.5413 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	x dB
13.5413 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.59299 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.5 dB, Center 2.592 990 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts), Transmit Freq Error -11.817 kHz, x dB Bandwidth 14.350 MHz.

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**5.15. Occupied Bandwidth for SA\_Part22-24-27(Channel:536496, 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
2682.48	99	26	0.03	Peak	13.55	14.46	15	Pass

Agilent

Ext Ref

**Ch Freq** 2.68248 GHz **Trig** Free

Occupied Bandwidth Averages: 1

**Measure**

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.5

dB

Ext Ref

Center 2.682 480 GHz

Span 30 MHz

#Res BW 30 kHz

#VBW 1 MHz

#Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.5512 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-16.004 kHz	
<b>x dB Bandwidth</b>	14.464 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

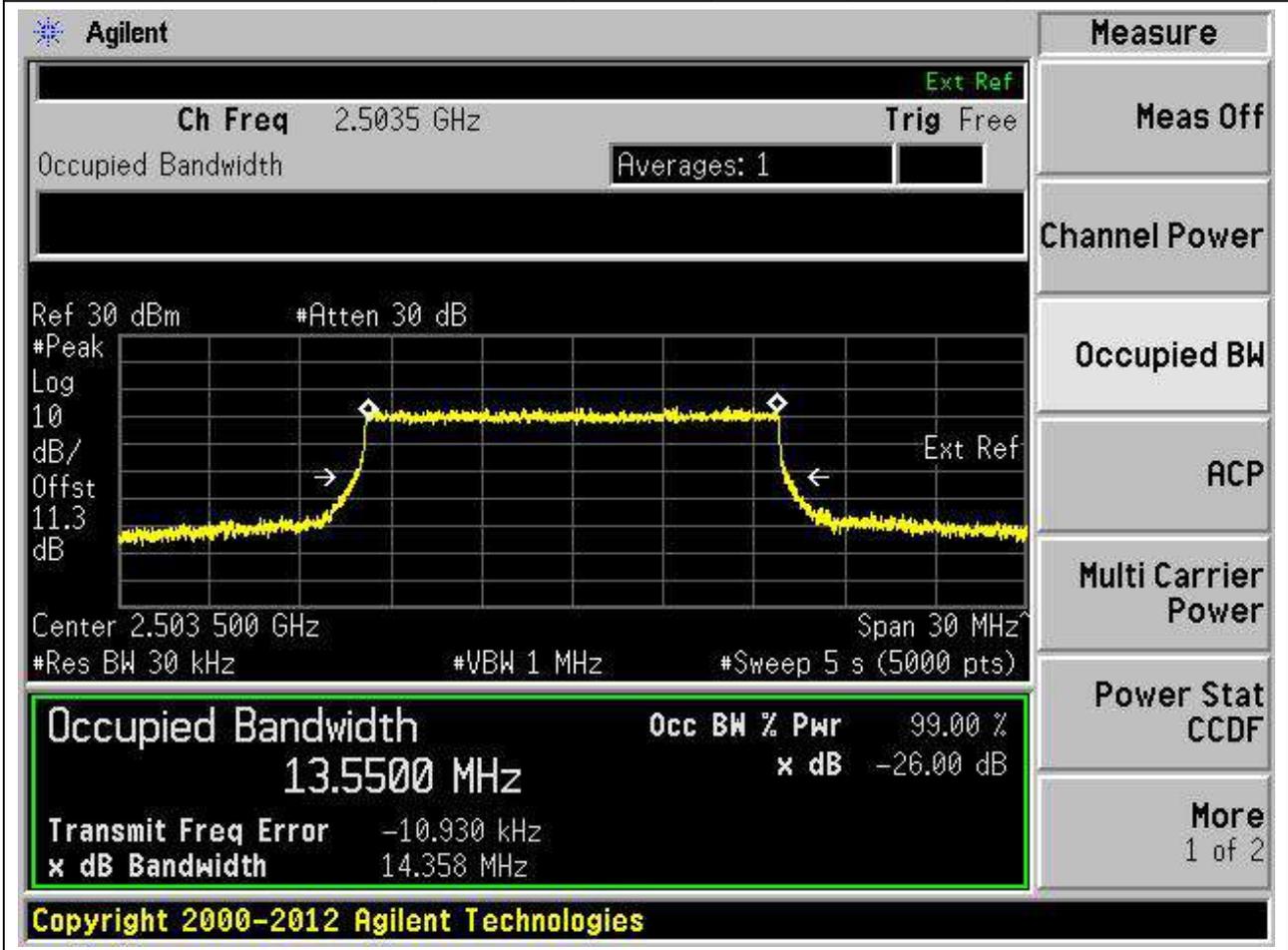
Power Stat CCDF

More  
1 of 2

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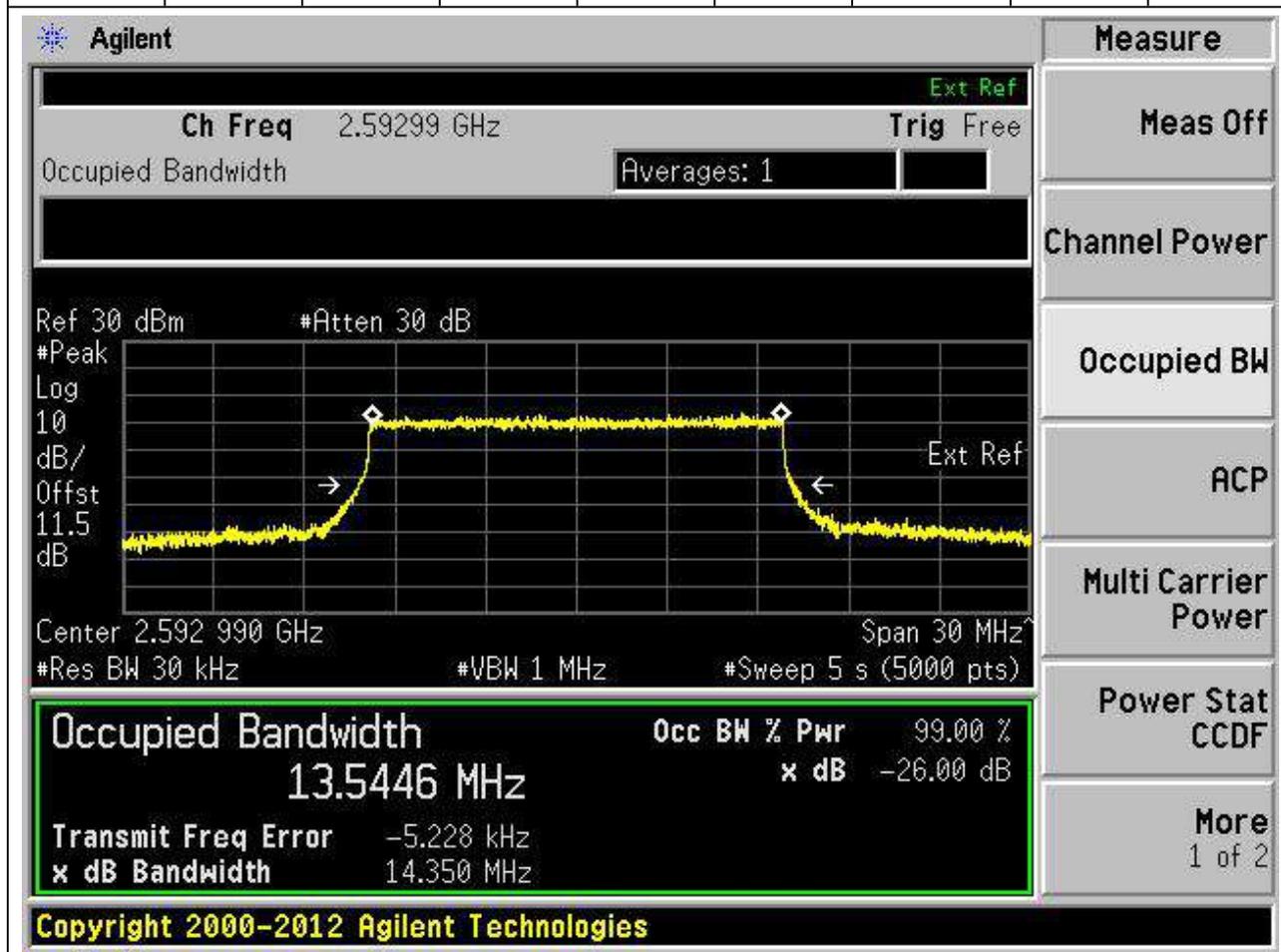
**5.16. Occupied Bandwidth for SA\_Part22-24-27(Channel:500700, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.03	Peak	13.55	14.36	15	Pass



**5.17. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	0.03	Peak	13.54	14.35	15	Pass



**5.18. Occupied Bandwidth for SA\_Part22-24-27(Channel:536496, 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
2682.48	99	26	0.03	Peak	13.54	14.4	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 2.68248 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5404 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -19.620 kHz, and the XdB bandwidth is 14.403 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 %
13.5404 MHz	x dB	-26.00 dB
Transmit Freq Error	-19.620 kHz	
x dB Bandwidth	14.403 MHz	

**5.19. Occupied Bandwidth for SA\_Part22-24-27(Channel:500700, 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
2503.5	99	26	0.03	Peak	13.58	14.4	15	Pass

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

Measurement	Value
Occupied Bandwidth	13.5753 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-15.726 kHz
x dB Bandwidth	14.403 MHz

Additional parameters shown in the interface include: Ch Freq 2.5035 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.3 dB, Center 2.503 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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**5.20. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	0.03	Peak	13.57	14.52	15	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.5
dB

Center 2.592 990 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.5729 MHz
x dB -26.00 dB

Transmit Freq Error -23.737 kHz

x dB Bandwidth 14.515 MHz

Power Stat CCDF

More

1 of 2

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**5.21. Occupied Bandwidth for SA\_Part22-24-27(Channel:536496, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:38, RB Position:0)**

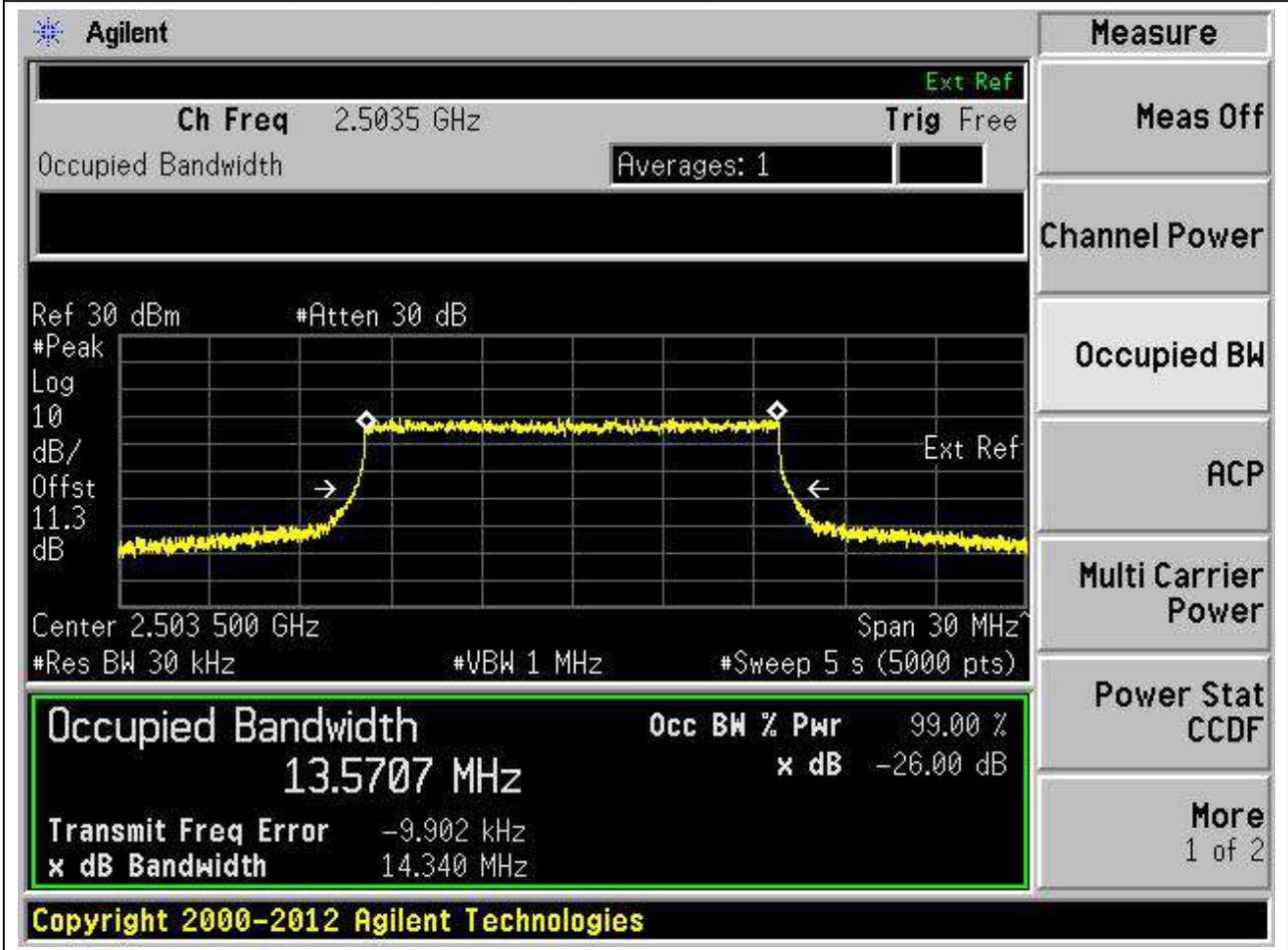
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.48	99	26	0.03	Peak	13.57	14.49	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.68248 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5749 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -21.623 kHz, and the XdB bandwidth is 14.494 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 %
13.5749 MHz	x dB	-26.00 dB
Transmit Freq Error	-21.623 kHz	
x dB Bandwidth	14.494 MHz	

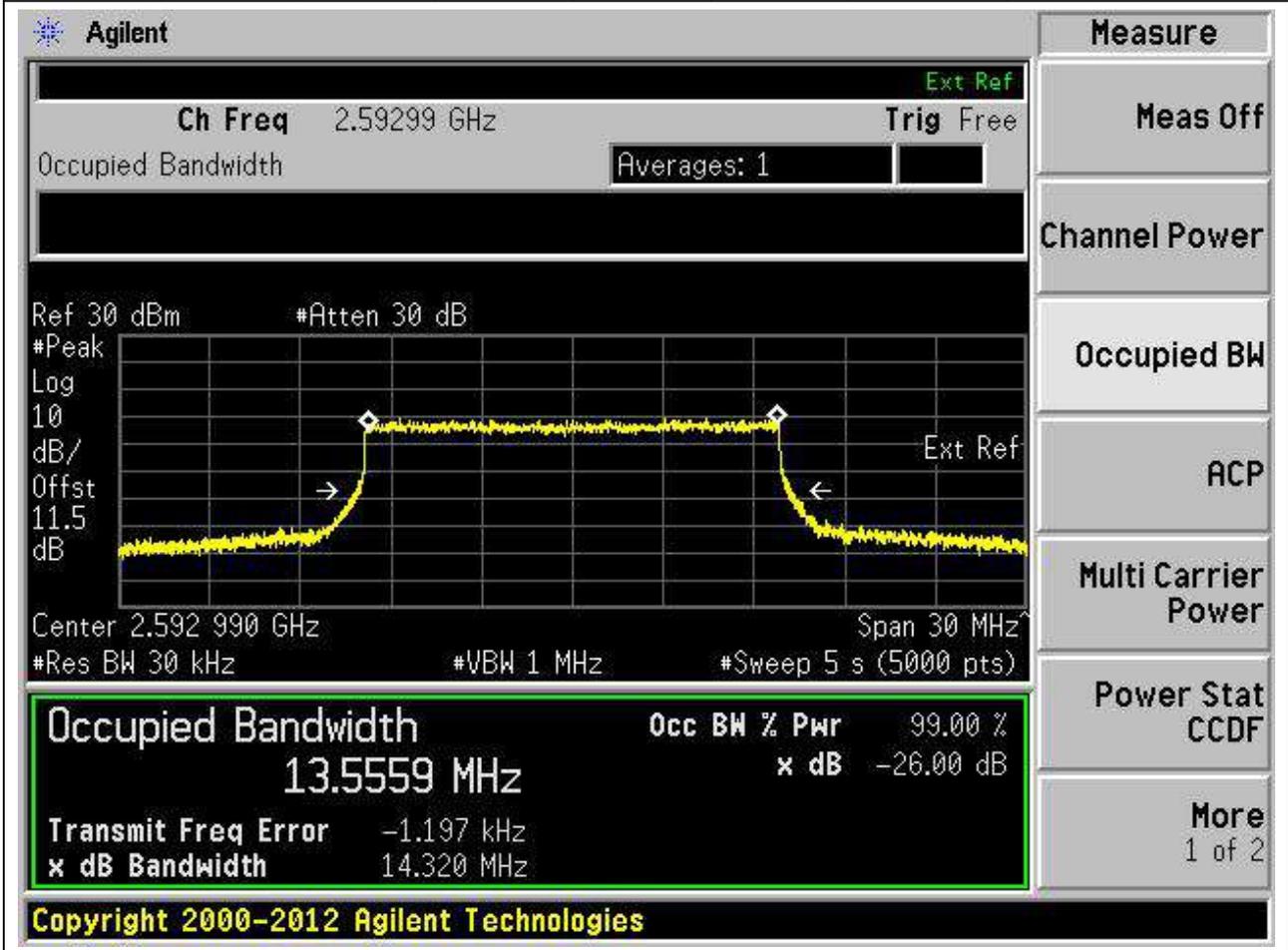
**5.22. Occupied Bandwidth for SA\_Part22-24-27(Channel:500700, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.03	Peak	13.57	14.34	15	Pass



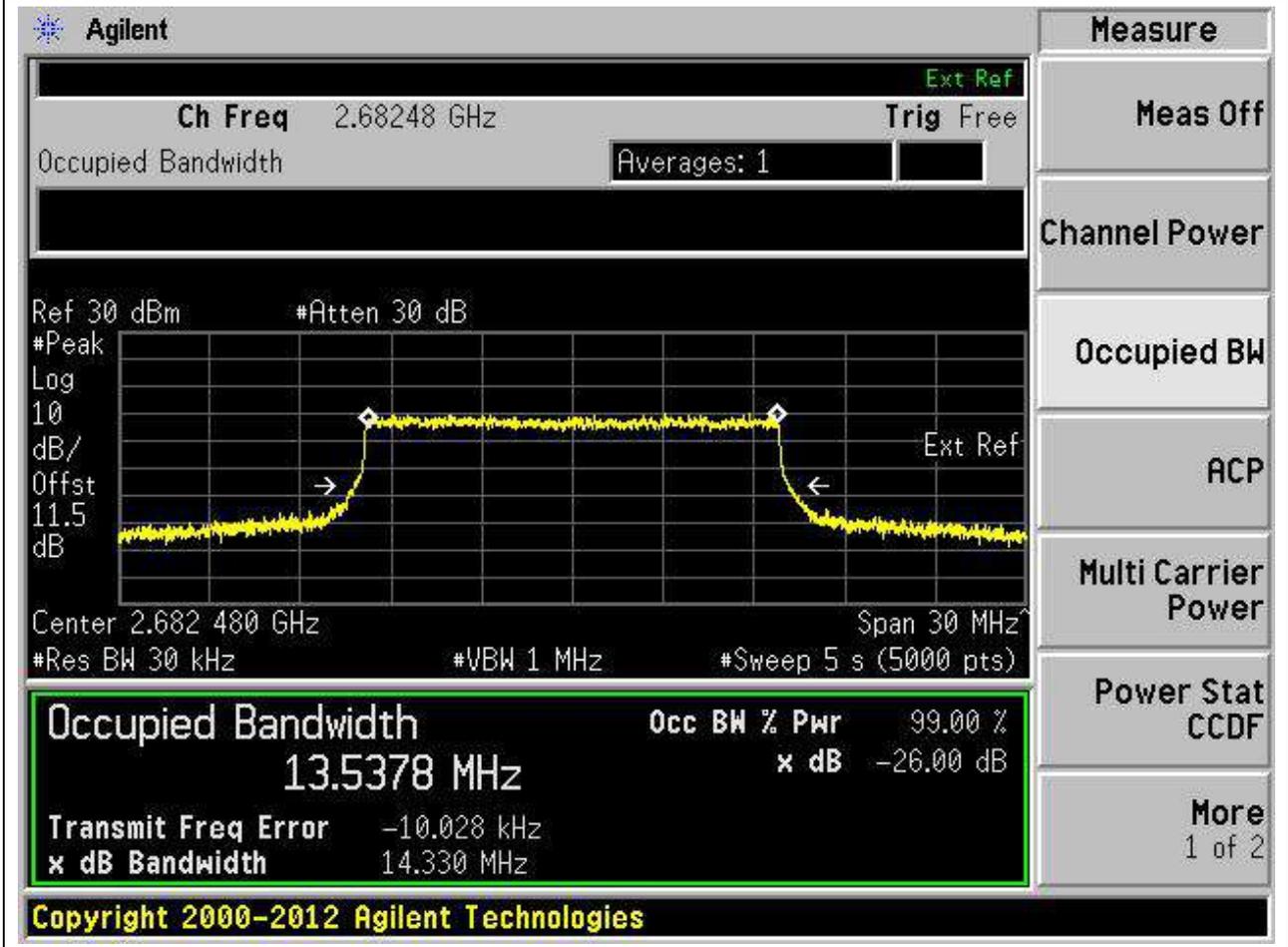
**5.23. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:38, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	0.03	Peak	13.56	14.32	15	Pass



**5.24. Occupied Bandwidth for SA\_Part22-24-27(Channel:536496, 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
2682.48	99	26	0.03	Peak	13.54	14.33	15	Pass



**5.25. Occupied Bandwidth for SA\_Part22-24-27(Channel:501204, 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
2506.02	99	26	0.03	Peak	18.2	19.14	20	Pass

Agilent

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

Ch Freq 2.50602 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.506 020 GHz Span 40 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
18.2028 MHz	x dB -26.00 dB
Transmit Freq Error	-18.173 kHz
x dB Bandwidth	19.143 MHz

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**5.26. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	0.03	Peak	18.2	18.94	20	Pass

Agilent
Measure

Ch Freq 2.59299 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 2.592 990 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.1990 MHz
x dB -26.00 dB

Transmit Freq Error -17.488 kHz

x dB Bandwidth 18.936 MHz

Power Stat CCDF

More 1 of 2

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**5.27. Occupied Bandwidth for SA\_Part22-24-27(Channel:535998, 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
2679.99	99	26	0.03	Peak	18.2	19.09	20	Pass

Agilent
Measure

Ch Freq 2.67999 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 2.679 990 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.1989 MHz
x dB -26.00 dB

Transmit Freq Error -26.022 kHz

x dB Bandwidth 19.090 MHz

Power Stat CCDF

More 1 of 2

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**5.28. Occupied Bandwidth for SA\_Part22-24-27(Channel:501204, 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
2506.02	99	26	0.03	Peak	18.2	19.21	20	Pass

Agilent
Measure

Ch Freq 2.50602 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.3

dB

Ext Ref

Center 2.506 020 GHz Span 40 MHz

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

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

**18.1974 MHz** x dB -26.00 dB

Transmit Freq Error -17.382 kHz

x dB Bandwidth 19.205 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**5.29. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	0.03	Peak	18.19	19.08	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	18.1928 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-12.503 kHz
x dB Bandwidth	19.080 MHz

Additional parameters shown in the interface include: Ch Freq 2.59299 GHz, Res BW 30 kHz, Span 40 MHz, and Sweep 5 s (6666 pts). The interface also features a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

**5.30. Occupied Bandwidth for SA\_Part22-24-27(Channel:535998, 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
2679.99	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 signal trace. The plot is set to a center frequency of 2.67999 GHz and a span of 40 MHz. The signal level is approximately -26 dB. The occupied bandwidth is measured as 18.1907 MHz, which is 99.00% of the 19.085 MHz bandwidth. 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	18.1907 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-25.153 kHz
x dB Bandwidth	19.085 MHz

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**5.31. Occupied Bandwidth for SA\_Part22-24-27(Channel:501204, 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
2506.02	99	26	0.03	Peak	18.19	19.12	20	Pass

Agilent
Measure

Ch Freq 2.50602 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.506 020 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** Occ BW % Pwr 99.00 %

**18.1869 MHz** x dB -26.00 dB

Transmit Freq Error -7.793 kHz

x dB Bandwidth 19.120 MHz

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**5.32. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	0.03	Peak	18.18	19.03	20	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.592 990 GHz Span 40 MHz

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

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

**18.1795 MHz** x dB -26.00 dB

Transmit Freq Error -7.322 kHz

x dB Bandwidth 19.035 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**5.33. Occupied Bandwidth for SA\_Part22-24-27(Channel:535998, 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
2679.99	99	26	0.03	Peak	18.18	19.08	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 2.67999 GHz with a span of 40 MHz. The y-axis is labeled 'dB/Offst' and ranges from 10 to 11.5 dB. The plot shows a signal with a peak level of approximately 10 dB and a bandwidth of 18.178 MHz. 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 signal is measured with a peak detector and a 30 dB attenuator. The signal is measured with an external reference (Ext Ref). The signal is measured with a 10 dB offset. The signal is measured with a 10 dB offset. The signal is measured with a 10 dB offset.

**Occupied Bandwidth** 18.1780 MHz  
**Occ BW % Pwr** 99.00 %  
**x dB** -26.00 dB

**Transmit Freq Error** -22.880 kHz  
**x dB Bandwidth** 19.075 MHz

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**5.34. Occupied Bandwidth for SA\_Part22-24-27(Channel:501204, 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
2506.02	99	26	0.03	Peak	18.17	18.97	20	Pass

Agilent

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

Ch Freq 2.50602 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.3

dB
Ext Ref

Center 2.506 020 GHz
Span 40 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
18.1745 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-8.768 kHz
<b>x dB Bandwidth</b>	18.974 MHz

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**5.35. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	0.03	Peak	18.17	18.97	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 2.59299 GHz with a span of 40 MHz. The signal level is approximately 18.17 MHz. The plot shows a flat top with a slight dip in the center, indicating a multi-carrier signal. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log 10 dB/Offst 11.5 dB', and 'Ext Ref'. The plot also shows 'Center 2.592 990 GHz', 'Span 40 MHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (6666 pts)'. The plot is labeled with 'Occupied Bandwidth' and 'Averages: 1'. The plot is labeled with 'Occupied Bandwidth' and 'Averages: 1'. The plot is labeled with 'Occupied Bandwidth' and 'Averages: 1'.

**Measure**

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

**Occupied Bandwidth** 18.1733 MHz

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error -1.522 kHz  
x dB Bandwidth 18.973 MHz

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**5.36. Occupied Bandwidth for SA\_Part22-24-27(Channel:535998, 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
2679.99	99	26	0.03	Peak	18.19	19.02	20	Pass

Agilent
Measure

Ch Freq 2.67999 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Ext Ref

Center 2.679 990 GHz Span 40 MHz

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

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

**18.1949 MHz** x dB -26.00 dB

Transmit Freq Error -13.431 kHz

x dB Bandwidth 19.021 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**5.37. Occupied Bandwidth for SA\_Part22-24-27(Channel:501702, 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
2508.51	99	26	1	Peak	23.51	26.16	25	Pass

Agilent
Measure

Ch Freq 2.50851 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.508 510 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 %
23.5107 MHz	x dB -26.00 dB
Transmit Freq Error 10.702 kHz	
x dB Bandwidth 26.164 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.38. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	23.5	26.17	25	Pass

Agilent
Measure

Ch Freq 2.59299 GHz Trig Free

Occupied Bandwidth Averages: 1

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

Center 2.592 990 GHz Span 50 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**23.5044 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 23.919 kHz

x dB Bandwidth 26.174 MHz

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**5.39. Occupied Bandwidth for SA\_Part22-24-27(Channel:535500, 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
2677.5	99	26	1	Peak	23.55	26.16	25	Pass

**Agilent**
**Measure**

Ch Freq 2.6775 GHz Trig Free

Occupied Bandwidth Averages: 1

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

**23.5469 MHz**

Transmit Freq Error -30.139 kHz

x dB Bandwidth 26.160 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**5.40. Occupied Bandwidth for SA\_Part22-24-27(Channel:501702, 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
2508.51	99	26	1	Peak	23.66	26.39	25	Pass

Agilent

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

Ch Freq 2.50851 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

11.3
dB

Center 2.508 510 GHz
Span 50 MHz

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

**Occupied Bandwidth**  
23.6576 MHz

**Occ BW % Pwr**  
99.00 %

**Transmit Freq Error**  
-31.369 kHz

**x dB Bandwidth**  
26.390 MHz

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**5.41. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	23.66	26.39	25	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 990 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>23.6594 MHz</b>	<b>x dB</b>	-26.00 dB
Transmit Freq Error	-16.076 kHz	
x dB Bandwidth	26.388 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.42. Occupied Bandwidth for SA\_Part22-24-27(Channel:535500, 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
2677.5	99	26	1	Peak	23.69	26.36	25	Pass

Agilent
Measure

Ch Freq 2.6775 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**

**23.6904 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -65.674 kHz

x dB Bandwidth 26.362 MHz

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**5.43. Occupied Bandwidth for SA\_Part22-24-27(Channel:501702, 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
2508.51	99	26	1	Peak	23.64	26.28	25	Pass

Agilent
Measure

Ch Freq 2.50851 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**23.6397 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -45.705 kHz

x dB Bandwidth 26.279 MHz

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**5.44. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	23.62	26.26	25	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 990 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 %
23.6194 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-27.378 kHz
<b>x dB Bandwidth</b>	26.258 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.45. Occupied Bandwidth for SA\_Part22-24-27(Channel:535500, 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
2677.5	99	26	1	Peak	23.67	26.34	25	Pass

Agilent
Measure

Ch Freq 2.6775 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**

**23.6745 MHz**

Transmit Freq Error -81.843 kHz

x dB Bandwidth 26.336 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.46. Occupied Bandwidth for SA\_Part22-24-27(Channel:501702, 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
2508.51	99	26	1	Peak	23.69	26.39	25	Pass

Agilent
Measure

Ch Freq 2.50851 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.508 510 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 %
23.6888 MHz	x dB -26.00 dB
Transmit Freq Error 29.583 kHz	
x dB Bandwidth 26.392 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.47. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	23.67	26.43	25	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 990 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 %
23.6722 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 45.064 kHz	
<b>x dB Bandwidth</b> 26.426 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.48. Occupied Bandwidth for SA\_Part22-24-27(Channel:535500, 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
2677.5	99	26	1	Peak	23.71	26.33	25	Pass

Agilent
Measure

Ch Freq 2.6775 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 2.677 500 GHz Span 50 MHz

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

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

**23.7081 MHz** x dB -26.00 dB

Transmit Freq Error -1.803 kHz

x dB Bandwidth 26.329 MHz

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**5.49. Occupied Bandwidth for SA\_Part22-24-27(Channel:502200, 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
2511	99	26	1	Peak	28.11	31.03	30	Pass

Agilent

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

Ch Freq 2.511 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.511 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 %
28.1107 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	29.676 kHz	
<b>x dB Bandwidth</b>	31.027 MHz	

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**5.50. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	28.12	30.94	30	Pass

Agilent

Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.5
dB

Center 2.592 99 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 %
28.1246 MHz	x dB -26.00 dB
Transmit Freq Error	42.278 kHz
x dB Bandwidth	30.942 MHz

Power Stat
CCDF

More
1 of 2

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**5.51. Occupied Bandwidth for SA\_Part22-24-27(Channel:534996, 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
2674.98	99	26	1	Peak	28.14	31.02	30	Pass

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

Measurement	Value
Occupied Bandwidth	28.1409 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-12.953 kHz
x dB Bandwidth	31.019 MHz

Other visible parameters include: Ch Freq 2.67498 GHz, Res BW 1 MHz, VBW 3 MHz, Sweep 5 s (401 pts), and Span 60 MHz. The interface also shows 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'.

**5.52. Occupied Bandwidth for SA\_Part22-24-27(Channel:502200, 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
2511	99	26	1	Peak	28.14	30.83	30	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 2.511 GHz with a span of 60 MHz. The y-axis is labeled 'Log dB/Offst' with a value of 11.3 dB. The plot shows a signal with a peak at approximately 2.511 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 28.1408 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -29.090 kHz and the 'x dB Bandwidth' is 30.834 MHz. The interface also shows various measurement buttons on the right side, including 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
28.1408 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -29.090 kHz  
x dB Bandwidth: 30.834 MHz

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**5.53. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	28.16	31.02	30	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.592 99 GHz Span 60 MHz

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

**Occupied Bandwidth**

**28.1609 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -6.367 kHz

x dB Bandwidth 31.023 MHz

More 1 of 2

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**5.54. Occupied Bandwidth for SA\_Part22-24-27(Channel:534996, 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
2674.98	99	26	1	Peak	28.18	31.05	30	Pass

Agilent
Measure

Ch Freq 2.67498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.674 98 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 %
28.1830 MHz	x dB -26.00 dB
Transmit Freq Error	-61.621 kHz
x dB Bandwidth	31.051 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.55. Occupied Bandwidth for SA\_Part22-24-27(Channel:502200, 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
2511	99	26	1	Peak	28.26	31.3	30	Pass

Agilent
Measure

Ch Freq 2.511 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 2.511 00 GHz Span 60 MHz

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

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

**28.2561 MHz** x dB -26.00 dB

Transmit Freq Error -15.058 kHz

x dB Bandwidth 31.295 MHz

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**5.56. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	28.25	31.73	30	Pass

Agilent
Measure

Ch Freq 2.59299 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**

**28.2505 MHz**

Transmit Freq Error -1.384 kHz

x dB Bandwidth 31.726 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.57. Occupied Bandwidth for SA\_Part22-24-27(Channel:534996, 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
2674.98	99	26	1	Peak	28.24	31.4	30	Pass

Agilent

Measure

Ch Freq 2.67498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

11.5
dB

Center 2.674 98 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 %
28.2444 MHz	x dB -26.00 dB
Transmit Freq Error	-53.936 kHz
x dB Bandwidth	31.396 MHz

Power Stat
CCDF

More
1 of 2

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**5.58. Occupied Bandwidth for SA\_Part22-24-27(Channel:502200, 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
2511	99	26	1	Peak	28.21	30.92	30	Pass

Agilent
Measure

Ch Freq 2.511 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 2.511 00 GHz Span 60 MHz

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

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

**28.2066 MHz** x dB -26.00 dB

Transmit Freq Error -10.751 kHz

x dB Bandwidth 30.925 MHz

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**5.59. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, 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
2592.99	99	26	1	Peak	28.19	31.02	30	Pass

Agilent
Measure

Ch Freq 2.59299 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.592 99 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 %
28.1944 MHz	x dB -26.00 dB
Transmit Freq Error 11.486 kHz	
x dB Bandwidth 31.023 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**5.60. Occupied Bandwidth for SA\_Part22-24-27(Channel:534996, 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
2674.98	99	26	1	Peak	28.2	30.89	30	Pass

Agilent

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

Ch Freq 2.67498 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.674 98 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 %
28.2011 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-31.945 kHz	
<b>x dB Bandwidth</b>	30.893 MHz	

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**5.61. Occupied Bandwidth for SA\_Part22-24-27(Channel:502704, Bandwidth:35, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:92, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2513.52	99	26	1	Peak	33.14	35.88	35	Pass

Agilent
Measure

Ch Freq 2.51352 GHz
Trig Free

Occupied Bandwidth
Averages: 1

**Occupied Bandwidth**

**33.1413 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -28.392 kHz

x dB Bandwidth 35.877 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**5.62. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, Bandwidth:35, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:92, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	33.15	35.96	35	Pass

Agilent
Measure

Ch Freq 2.59299 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**

**33.1489 MHz**

Transmit Freq Error -10.248 kHz

x dB Bandwidth 35.960 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**5.63. Occupied Bandwidth for SA\_Part22-24-27(Channel:534498, Bandwidth:35, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:92, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2672.49	99	26	1	Peak	33.15	36	35	Pass

Agilent
Measure

Ch Freq 2.67249 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
33.1523 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-62.717 kHz
<b>x dB Bandwidth</b>	36.001 MHz

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

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**5.64. Occupied Bandwidth for SA\_Part22-24-27(Channel:502704, Bandwidth:35, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:92, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2513.52	99	26	1	Peak	33.13	36	35	Pass

Agilent
Measure

Ch Freq 2.51352 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.513 520 GHz Span 70 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>33.1310 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> 7.356 kHz	
<b>x dB Bandwidth</b> 36.002 MHz	

More  
1 of 2

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**5.65. Occupied Bandwidth for SA\_Part22-24-27(Channel:518598, Bandwidth:35, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:92, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.99	99	26	1	Peak	33.15	36.04	35	Pass

Agilent
Measure

Ch Freq 2.59299 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 2.592 990 GHz Span 70 MHz

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

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

**33.1503 MHz** x dB -26.00 dB

Transmit Freq Error -18.893 kHz

x dB Bandwidth 36.039 MHz

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