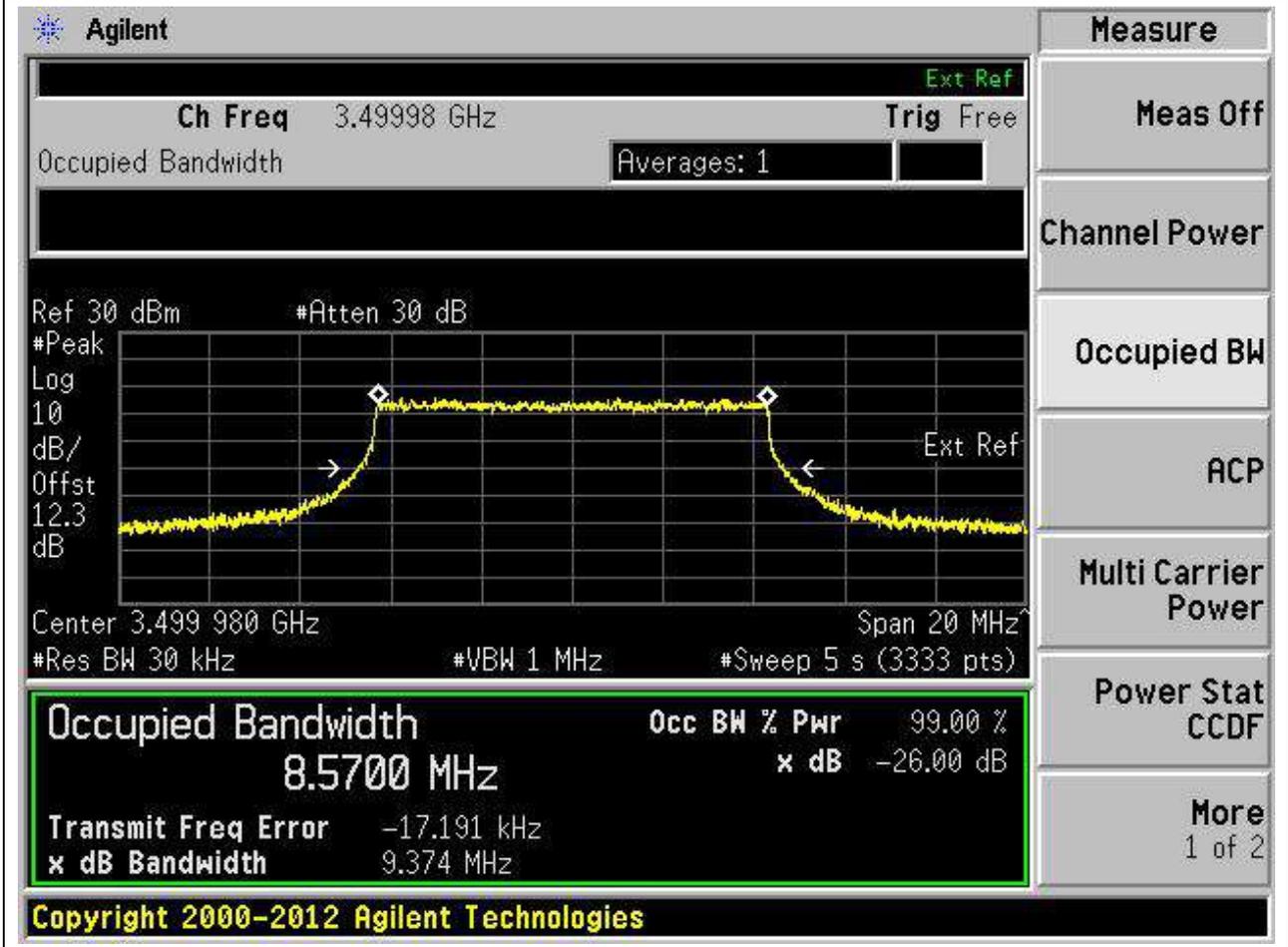


1.8. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:24, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 8.57 | 9.37 | 10 | Pass |



1.9. Occupied Bandwidth for SA_Part22-24-27(Channel:636332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3544.98 | 99 | 26 | 0.03 | Peak | 8.57 | 9.31 | 10 | Pass |

Agilent

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

Ch Freq 3.54498 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

12.2

dB

Center 3.544 980 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.5728 MHz x dB -26.00 dB

Transmit Freq Error -15.523 kHz

x dB Bandwidth 9.312 MHz

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1.10. Occupied Bandwidth for SA_Part22-24-27(Channel:630334, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3455.01 | 99 | 26 | 0.03 | Peak | 8.57 | 9.41 | 10 | Pass |

Agilent
Measure

Ch Freq 3.45501 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.455 010 GHz Span 20 MHz
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 8.5658 MHz | x dB -26.00 dB |
| Transmit Freq Error | -16.453 kHz |
| x dB Bandwidth | 9.406 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.11. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 8.56 | 9.32 | 10 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 980 GHz Span 20 MHz
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 8.5598 MHz | x dB -26.00 dB |
| Transmit Freq Error | -15.023 kHz |
| x dB Bandwidth | 9.319 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

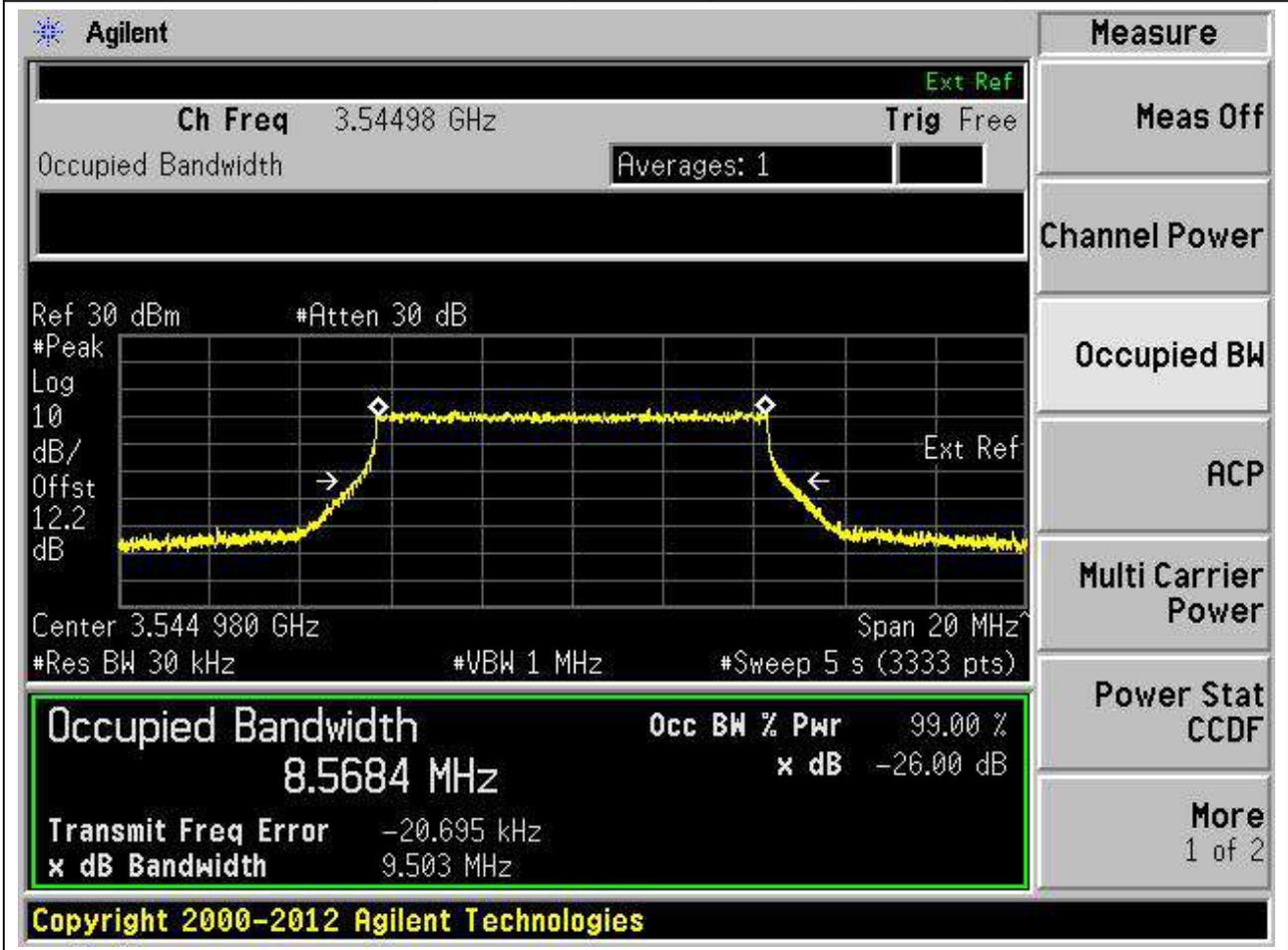
Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.12. Occupied Bandwidth for SA_Part22-24-27(Channel:636332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3544.98 | 99 | 26 | 0.03 | Peak | 8.57 | 9.5 | 10 | Pass |



1.13. Occupied Bandwidth for SA_Part22-24-27(Channel:630500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:38, RB Position:0)

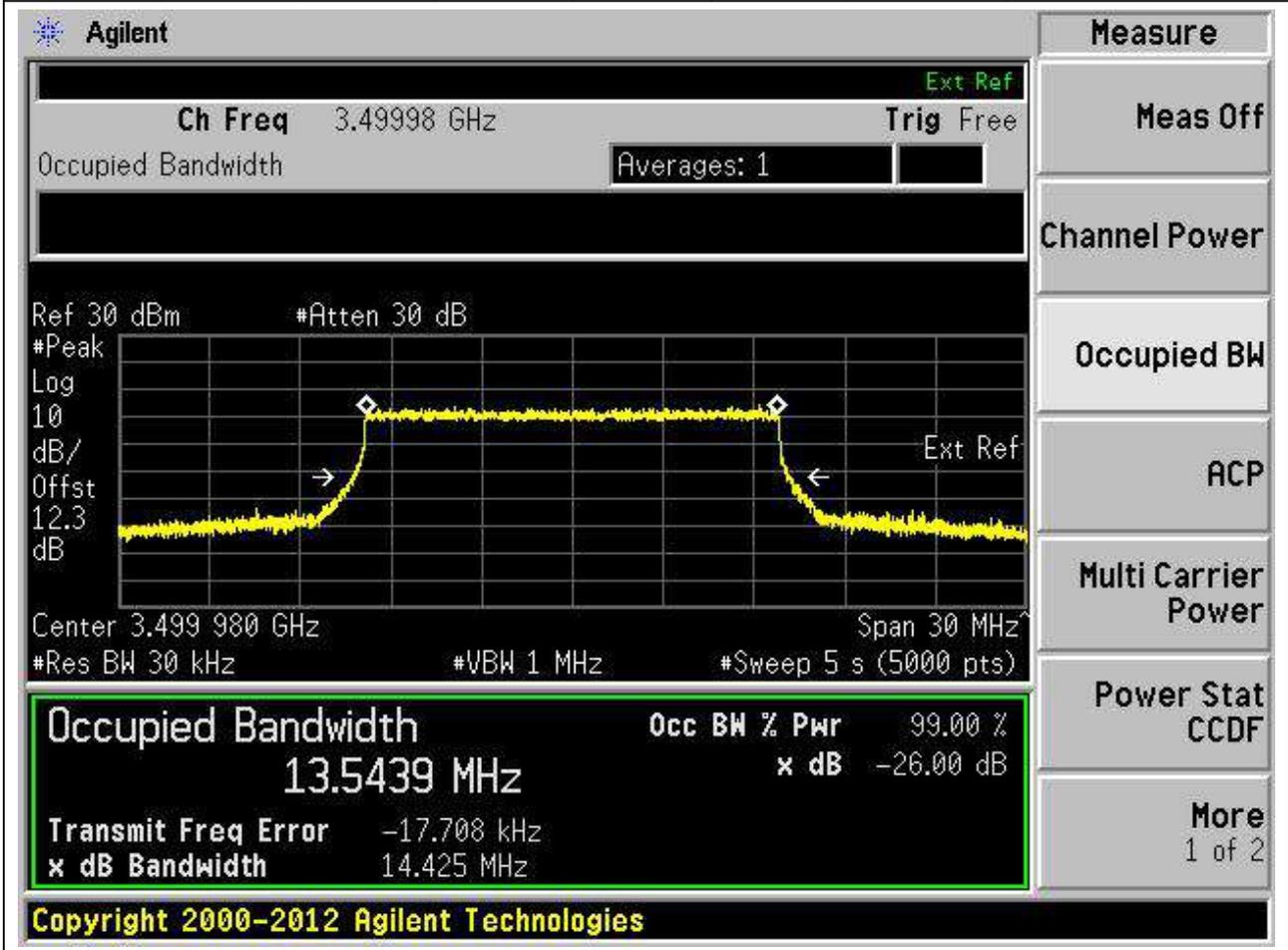
| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3457.5 | 99 | 26 | 0.03 | Peak | 13.54 | 14.39 | 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 3.4575 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5422 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -28.266 kHz, and the XdB bandwidth is 14.386 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 % |
|---------------------|--------------|-----------|
| 13.5422 MHz | x dB | -26.00 dB |
| Transmit Freq Error | -28.266 kHz | |
| x dB Bandwidth | 14.386 MHz | |

1.14. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 13.54 | 14.43 | 15 | Pass |



1.15. Occupied Bandwidth for SA_Part22-24-27(Channel:636166, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3542.49 | 99 | 26 | 0.03 | Peak | 13.55 | 14.47 | 15 | Pass |

Agilent
Measure

Ch Freq 3.54249 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.2
dB

Center 3.542 490 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.5496 MHz
x dB -26.00 dB

Transmit Freq Error -31.006 kHz

x dB Bandwidth 14.470 MHz

Power Stat CCDF

More

1 of 2

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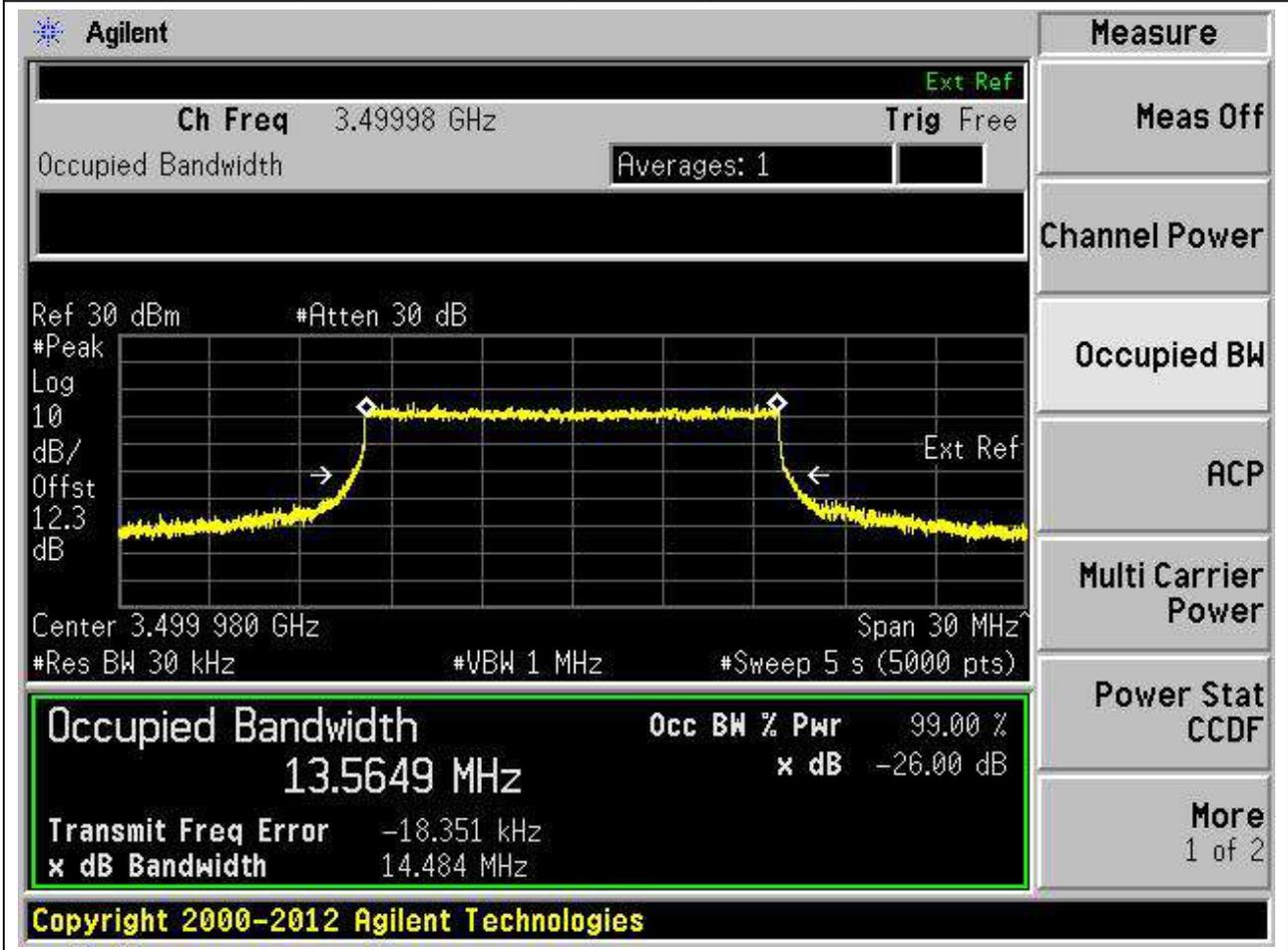
1.16. Occupied Bandwidth for SA_Part22-24-27(Channel:630500, Bandwidth:15, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:38, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3457.5 | 99 | 26 | 0.03 | Peak | 13.55 | 14.45 | 15 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot parameters are: Center 3.457 500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts). The signal level is approximately 10 dBm. The Occupied Bandwidth (OBW) is measured as 13.5475 MHz, with an Occ BW % Pwr of 99.00% and an x dB of -26.00 dB. The Transmit Freq Error is -17.589 kHz, and the x dB Bandwidth is 14.447 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.

1.17. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 13.56 | 14.48 | 15 | Pass |



1.18. Occupied Bandwidth for SA_Part22-24-27(Channel:636166, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3542.49 | 99 | 26 | 0.03 | Peak | 13.57 | 14.69 | 15 | Pass |

Agilent
Measure

Ch Freq 3.54249 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak Log
Ext Ref

Center 3.542 490 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.5679 MHz
x dB -26.00 dB

Transmit Freq Error -17.640 kHz

x dB Bandwidth 14.688 MHz

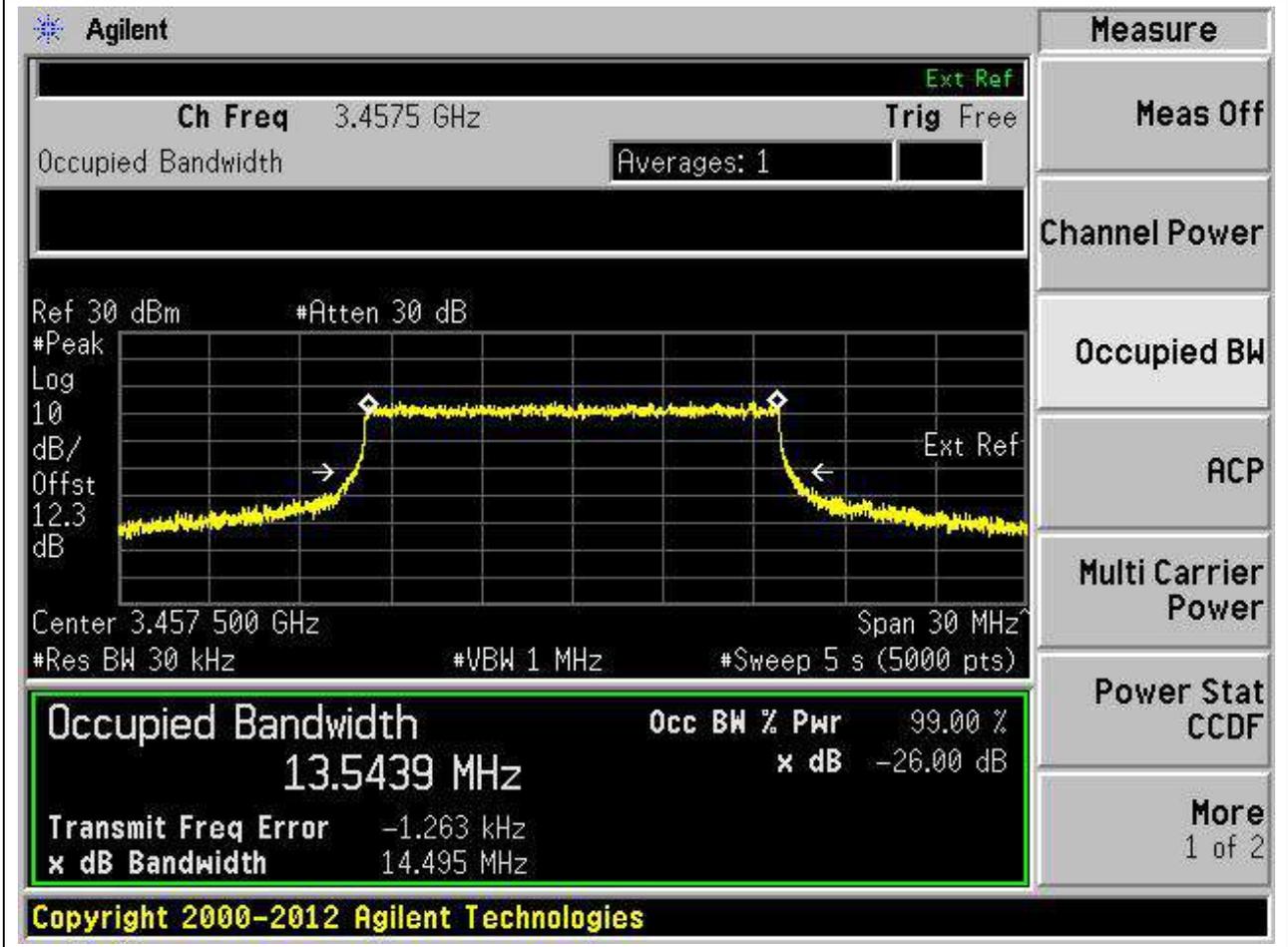
Power Stat CCDF

More 1 of 2

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1.19. Occupied Bandwidth for SA_Part22-24-27(Channel:630500, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3457.5 | 99 | 26 | 0.03 | Peak | 13.54 | 14.49 | 15 | Pass |



1.20. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 13.56 | 14.43 | 15 | Pass |

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
dB/

10
Offst

12.3
dB

Center 3.499 980 GHz
Span 30 MHz

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

Occupied Bandwidth
13.5556 MHz

Occ BW % Pwr
99.00 %

Transmit Freq Error
-9.445 kHz

x dB Bandwidth
14.426 MHz

x dB
-26.00 dB

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1.21. Occupied Bandwidth for SA_Part22-24-27(Channel:636166, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3542.49 | 99 | 26 | 0.03 | Peak | 13.55 | 14.39 | 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 3.54249 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5508 MHz, which is 99.00% of the 14.391 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -2.203 kHz. The interface includes various measurement controls and a list of measurement options on the right side.

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 13.5508 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -2.203 kHz |
| x dB Bandwidth | 14.391 MHz |

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1.22. Occupied Bandwidth for SA_Part22-24-27(Channel:630500, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3457.5 | 99 | 26 | 0.03 | Peak | 13.54 | 14.33 | 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 3.4575 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 13.5352 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -12.197 kHz, and the XdB bandwidth is 14.332 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 13.5352 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -12.197 kHz |
| x dB Bandwidth | 14.332 MHz |

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1.23. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 13.54 | 14.39 | 15 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

12.3

dB

Center 3.499 980 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.5419 MHz
x dB -26.00 dB

Transmit Freq Error -18.905 kHz

x dB Bandwidth 14.390 MHz

Power Stat CCDF

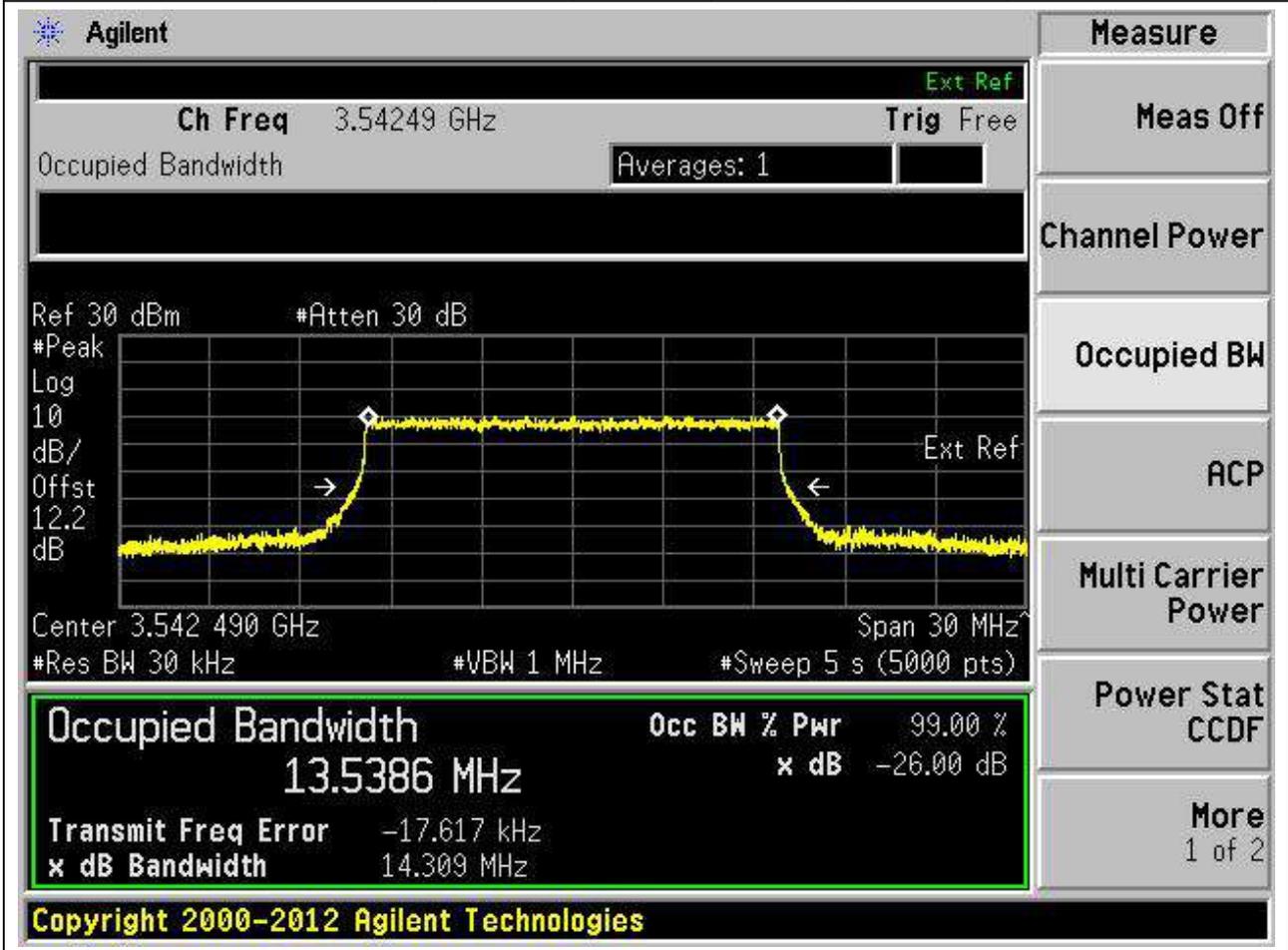
More

1 of 2

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1.24. Occupied Bandwidth for SA_Part22-24-27(Channel:636166, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3542.49 | 99 | 26 | 0.03 | Peak | 13.54 | 14.31 | 15 | Pass |



1.25. Occupied Bandwidth for SA_Part22-24-27(Channel:630668, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3460.02 | 99 | 26 | 0.03 | Peak | 18.16 | 19.09 | 20 | Pass |

Agilent
Measure

Ch Freq 3.46002 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.460 020 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

18.1559 MHz x dB -26.00 dB

Transmit Freq Error -15.756 kHz

x dB Bandwidth 19.094 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.26. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 18.16 | 19.13 | 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 | 18.1631 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -11.344 kHz |
| x dB Bandwidth | 19.130 MHz |

Additional parameters shown in the interface include: Ch Freq 3.49998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.3 dB, Center 3.499 980 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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1.27. Occupied Bandwidth for SA_Part22-24-27(Channel:636000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3540 | 99 | 26 | 0.03 | Peak | 18.16 | 19.24 | 20 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 3.54 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following data:

| | | |
|----------------------------|---------------------|-------------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 18.1558 MHz | x dB | -26.00 dB |
| Transmit Freq Error | | -18.015 kHz |
| x dB Bandwidth | | 19.244 MHz |

Additional parameters shown in the interface include: Ch Freq 3.54 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.2 dB, Center 3.540 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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

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1.28. Occupied Bandwidth for SA_Part22-24-27(Channel:630668, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3460.02 | 99 | 26 | 0.03 | Peak | 18.21 | 19.2 | 20 | Pass |

Agilent
Measure

Ch Freq 3.46002 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

12.3

dB

Center 3.460 020 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

18.2105 MHz
x dB -26.00 dB

Transmit Freq Error -20.233 kHz

x dB Bandwidth 19.195 MHz

Power Stat CCDF

More 1 of 2

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1.29. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 18.2 | 19.04 | 20 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 3.49998 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1967 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -12.469 kHz, and the XdB bandwidth is 19.037 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
|---------------------|--------------|-------------|
| 18.1967 MHz | x dB | -26.00 dB |
| Transmit Freq Error | | -12.469 kHz |
| x dB Bandwidth | | 19.037 MHz |

1.30. Occupied Bandwidth for SA_Part22-24-27(Channel:636000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3540 | 99 | 26 | 0.03 | Peak | 18.18 | 19.07 | 20 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 3.54 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1824 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

| Occupied Bandwidth | | Occ BW % Pwr | 99.00 % |
|---------------------|--|--------------|-----------|
| 18.1824 MHz | | x dB | -26.00 dB |
| Transmit Freq Error | | -18.163 kHz | |
| x dB Bandwidth | | 19.074 MHz | |

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1.31. Occupied Bandwidth for SA_Part22-24-27(Channel:630668, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3460.02 | 99 | 26 | 0.03 | Peak | 18.19 | 19 | 20 | Pass |

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

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 18.1872 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -10.415 kHz |
| x dB Bandwidth | 18.996 MHz |

Other visible parameters include: Ch Freq 3.46002 GHz, Res BW 30 kHz, Span 40 MHz, and a copyright notice for Agilent Technologies (2000-2012).

1.32. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 18.22 | 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 results are as follows:

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 18.2172 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -10.947 kHz |
| x dB Bandwidth | 19.082 MHz |

Other visible parameters include: Ch Freq 3.49998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.3 dB, Center 3.499 980 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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1.33. Occupied Bandwidth for SA_Part22-24-27(Channel:636000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3540 | 99 | 26 | 0.03 | Peak | 18.2 | 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 set to a center frequency of 3.54 GHz and a span of 40 MHz. The signal level is approximately 18.2 MHz. The plot shows a flat top with some noise, and the signal is bounded by two vertical lines indicating the occupied bandwidth. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', and '#Peak Log 10 dB/Offst 12.2 dB'. The plot also shows 'Center 3.540 000 GHz', 'Span 40 MHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (6666 pts)'. The plot is labeled with 'Ext Ref'.

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

| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
|---------------------|--------------|-----------|
| 18.2012 MHz | x dB | -26.00 dB |
| Transmit Freq Error | -8.324 kHz | |
| x dB Bandwidth | 19.082 MHz | |

The interface also includes a 'Measure' menu on the right side with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

1.34. Occupied Bandwidth for SA_Part22-24-27(Channel:630668, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3460.02 | 99 | 26 | 0.03 | Peak | 18.16 | 18.93 | 20 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.46002 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 18.1553 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 18.1553 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -13.324 kHz |
| x dB Bandwidth | 18.926 MHz |

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1.35. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 0.03 | Peak | 18.19 | 19.04 | 20 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.499 980 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

18.1860 MHz x dB -26.00 dB

Transmit Freq Error -9.267 kHz

x dB Bandwidth 19.045 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.36. Occupied Bandwidth for SA_Part22-24-27(Channel:636000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3540 | 99 | 26 | 0.03 | Peak | 18.17 | 19.04 | 20 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 3.540 GHz with a span of 40 MHz. The y-axis is labeled 'Log 10 dB/Offst 12.2 dB'. The plot shows a signal with a flat top and sloped sides, indicating a multi-carrier signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

Occupied Bandwidth 18.1738 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -10.832 kHz
x dB Bandwidth 19.039 MHz

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

1.37. Occupied Bandwidth for SA_Part22-24-27(Channel:630834, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3462.51 | 99 | 26 | 1 | Peak | 23.52 | 26.23 | 25 | Pass |

Agilent
Measure

Ch Freq 3.46251 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.462 510 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

23.5186 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -15.770 kHz

x dB Bandwidth 26.232 MHz

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1.38. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 23.57 | 26.32 | 25 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Peak Log 10 dB/Offst 12.3 dB

Center 3.499 980 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

23.5700 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -30.969 kHz

x dB Bandwidth 26.319 MHz

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1.39. Occupied Bandwidth for SA_Part22-24-27(Channel:635832, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3537.48 | 99 | 26 | 1 | Peak | 23.56 | 26.29 | 25 | Pass |

Agilent
Measure

Ch Freq 3.53748 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.537 480 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.5610 MHz | x dB -26.00 dB |
| Transmit Freq Error | -32.207 kHz |
| x dB Bandwidth | 26.291 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.40. Occupied Bandwidth for SA_Part22-24-27(Channel:630834, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3462.51 | 99 | 26 | 1 | Peak | 23.6 | 26.46 | 25 | Pass |

Agilent
Measure

Ch Freq 3.46251 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.462 510 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|--------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.6024 MHz | x dB -26.00 dB |
| Transmit Freq Error 52.433 kHz | |
| x dB Bandwidth 26.464 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.41. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 23.65 | 26.36 | 25 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 980 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.6476 MHz | x dB -26.00 dB |
| Transmit Freq Error 19.521 kHz | |
| x dB Bandwidth 26.364 MHz | |

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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1.42. Occupied Bandwidth for SA_Part22-24-27(Channel:635832, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3537.48 | 99 | 26 | 1 | Peak | 23.61 | 26.46 | 25 | Pass |

Agilent
Measure

Ch Freq 3.53748 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.537 480 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.6077 MHz | x dB -26.00 dB |
| Transmit Freq Error 35.731 kHz | |
| x dB Bandwidth 26.459 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.43. Occupied Bandwidth for SA_Part22-24-27(Channel:630834, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3462.51 | 99 | 26 | 1 | Peak | 23.61 | 26.15 | 25 | Pass |

Agilent
Measure

Ch Freq 3.46251 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.462 510 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.6051 MHz | x dB -26.00 dB |
| Transmit Freq Error | -22.405 kHz |
| x dB Bandwidth | 26.154 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.44. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 23.64 | 26.22 | 25 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 980 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.6426 MHz | x dB -26.00 dB |
| Transmit Freq Error | -34.913 kHz |
| x dB Bandwidth | 26.221 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.45. Occupied Bandwidth for SA_Part22-24-27(Channel:635832, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3537.48 | 99 | 26 | 1 | Peak | 23.6 | 26.18 | 25 | Pass |

Agilent
Measure

Ch Freq 3.53748 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.537 480 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.5995 MHz | x dB -26.00 dB |
| Transmit Freq Error | -11.878 kHz |
| x dB Bandwidth | 26.177 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.46. Occupied Bandwidth for SA_Part22-24-27(Channel:630834, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3462.51 | 99 | 26 | 1 | Peak | 23.62 | 26.22 | 25 | Pass |

Agilent

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

Ch Freq 3.46251 GHz
Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Ext Ref

10

dB/

Offst

12.3

dB

Center 3.462 510 GHz
Span 50 MHz

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

Occupied Bandwidth
23.6238 MHz

Occ BW % Pwr
99.00 %

Transmit Freq Error
58.491 kHz

x dB Bandwidth
26.219 MHz

x dB
-26.00 dB

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1.47. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 23.65 | 26.31 | 25 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 980 GHz Span 50 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 23.6518 MHz | x dB -26.00 dB |
| Transmit Freq Error 46.523 kHz | |
| x dB Bandwidth 26.307 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.48. Occupied Bandwidth for SA_Part22-24-27(Channel:635832, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3537.48 | 99 | 26 | 1 | Peak | 23.65 | 26.38 | 25 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.53748 GHz. The Occupied Bandwidth (OBW) is measured as 23.6500 MHz, which is 99.00% of the 25 MHz channel bandwidth. The XdB Down is -26.00 dB. The interface also shows the channel frequency, span, resolution bandwidth, and other measurement parameters.

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 23.6500 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | 59.975 kHz |
| x dB Bandwidth | 26.378 MHz |

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1.49. Occupied Bandwidth for SA_Part22-24-27(Channel:631000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3465 | 99 | 26 | 1 | Peak | 28.28 | 31.12 | 30 | Pass |

Agilent

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

Ch Freq 3.465 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
Span 60 MHz

10
#Res BW 1 MHz

dB/
#VBW 3 MHz

Offst
#Sweep 5 s (401 pts)

12.3

dB

Occupied Bandwidth
28.2809 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -50.910 kHz
x dB Bandwidth 31.119 MHz

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1.50. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 28.15 | 30.98 | 30 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Center 3.499 98 GHz Span 60 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

28.1526 MHz

Transmit Freq Error -28.983 kHz

x dB Bandwidth 30.977 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.51. Occupied Bandwidth for SA_Part22-24-27(Channel:635666, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3534.99 | 99 | 26 | 1 | Peak | 28.16 | 30.95 | 30 | Pass |

Agilent
Measure

Ch Freq 3.53499 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

28.1564 MHz

Transmit Freq Error -823.536 Hz

x dB Bandwidth 30.949 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.52. Occupied Bandwidth for SA_Part22-24-27(Channel:631000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3465 | 99 | 26 | 1 | Peak | 28.14 | 30.89 | 30 | Pass |

Agilent
Measure

Ch Freq 3.465 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.465 00 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | | |
|---------------------------|---------------------|-----------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 28.1413 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 26.196 kHz | |
| x dB Bandwidth | 30.887 MHz | |

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

1.53. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 28.17 | 30.91 | 30 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 3.49998 GHz. The Occupied Bandwidth is measured as 28.1662 MHz, which is 99.00% of the 30 MHz channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -321.775 Hz, and the x dB Bandwidth is 30.909 MHz. The interface includes various measurement controls and a list of available measurement functions on the right side.

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 28.1662 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -321.775 Hz |
| x dB Bandwidth | 30.909 MHz |

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1.54. Occupied Bandwidth for SA_Part22-24-27(Channel:635666, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3534.99 | 99 | 26 | 1 | Peak | 28.13 | 30.83 | 30 | Pass |

Agilent

Measure

Ch Freq 3.53499 GHz
Trig Free

Occupied Bandwidth
Averages: 1

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 28.1251 MHz | x dB -26.00 dB |
| Transmit Freq Error 31.124 kHz | |
| x dB Bandwidth 30.829 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.55. Occupied Bandwidth for SA_Part22-24-27(Channel:631000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3465 | 99 | 26 | 1 | Peak | 28.15 | 30.99 | 30 | Pass |

Agilent

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

Ch Freq 3.465 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.465 00 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | | |
|----------------------------|---------------------|-----------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 28.1527 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 16.403 kHz | |
| x dB Bandwidth | 30.994 MHz | |

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1.56. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 28.17 | 31.01 | 30 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 60 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 28.1724 MHz | x dB -26.00 dB |
| Transmit Freq Error | -18.452 kHz |
| x dB Bandwidth | 31.006 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.57. Occupied Bandwidth for SA_Part22-24-27(Channel:635666, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3534.99 | 99 | 26 | 1 | Peak | 28.14 | 30.97 | 30 | Pass |

Agilent

Measure

Ch Freq 3.53499 GHz
Ext Ref

Occupied Bandwidth
Averages: 1

| | | |
|----------------------------|---------------------|-----------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 28.1383 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 10.549 kHz | |
| x dB Bandwidth | 30.968 MHz | |

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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1.58. Occupied Bandwidth for SA_Part22-24-27(Channel:631000, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3465 | 99 | 26 | 1 | Peak | 28.21 | 31.04 | 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 results are as follows:

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 28.2052 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -34.446 kHz |
| x dB Bandwidth | 31.038 MHz |

Other visible parameters include: Ch Freq 3.465 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.3 dB, Center 3.465 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.59. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 28.22 | 30.97 | 30 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 60 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 28.2176 MHz | x dB -26.00 dB |
| Transmit Freq Error | -74.003 kHz |
| x dB Bandwidth | 30.975 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.60. Occupied Bandwidth for SA_Part22-24-27(Channel:635666, 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 |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3534.99 | 99 | 26 | 1 | Peak | 28.19 | 31.02 | 30 | Pass |

Agilent
Measure

Ch Freq 3.53499 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.534 99 GHz Span 60 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

28.1881 MHz

Transmit Freq Error -34.330 kHz

x dB Bandwidth 31.024 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.61. Occupied Bandwidth for SA_Part22-24-27(Channel:631334, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3470.01 | 99 | 26 | 1 | Peak | 38.02 | 41.15 | 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 results are as follows:

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 38.0242 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | 4.960 kHz |
| x dB Bandwidth | 41.154 MHz |

Other visible parameters include: Ch Freq 3.47001 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.3 dB, Center 3.470 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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1.62. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 38.06 | 41.2 | 40 | Pass |

Agilent
Measure

Ch Freq 3.49998 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

38.0626 MHz

Transmit Freq Error -44.489 kHz

x dB Bandwidth 41.202 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.63. Occupied Bandwidth for SA_Part22-24-27(Channel:635332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3529.98 | 99 | 26 | 1 | Peak | 38.03 | 41.22 | 40 | Pass |

Agilent
Measure

Ch Freq 3.52998 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

38.0317 MHz

Transmit Freq Error -7.118 kHz

x dB Bandwidth 41.217 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.64. Occupied Bandwidth for SA_Part22-24-27(Channel:631334, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3470.01 | 99 | 26 | 1 | Peak | 38.17 | 41.14 | 40 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 3.47001 GHz with a span of 80 MHz. The y-axis is labeled 'Log 10 dB/Offst 12.3 dB'. The plot shows a signal with a peak at approximately 3.47001 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 38.1749 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -12.875 kHz and the 'x dB Bandwidth' is 41.143 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

| Occupied Bandwidth | Occ BW % Pwr | x dB |
|--------------------|--------------|-----------|
| 38.1749 MHz | 99.00 % | -26.00 dB |

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1.65. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 38.09 | 41.04 | 40 | Pass |

Agilent

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

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.500 0 GHz Span 80 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 38.0910 MHz | x dB -26.00 dB |
| Transmit Freq Error | -46.976 kHz |
| x dB Bandwidth | 41.036 MHz |

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1.66. Occupied Bandwidth for SA_Part22-24-27(Channel:635332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3529.98 | 99 | 26 | 1 | Peak | 38.21 | 41.08 | 40 | Pass |

Agilent
Measure

Ch Freq 3.52998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.5300 GHz Span 80 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 38.2094 MHz | x dB -26.00 dB |
| Transmit Freq Error | -25.442 kHz |
| x dB Bandwidth | 41.078 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.67. Occupied Bandwidth for SA_Part22-24-27(Channel:631334, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3470.01 | 99 | 26 | 1 | Peak | 38.03 | 41 | 40 | Pass |

Agilent

Measure

Ch Freq 3.47001 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.3
dB

Center 3.470 0 GHz
Span 80 MHz

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

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 38.0336 MHz | x dB -26.00 dB |
| Transmit Freq Error 60.747 kHz | |
| x dB Bandwidth 40.995 MHz | |

Power Stat
CCDF

More
1 of 2

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1.68. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 38.05 | 40.99 | 40 | Pass |

Agilent

Ext Ref

Ch Freq 3.49998 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Measure

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

12.3

dB

Center 3.500 0 GHz Span 80 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 | Occ BW % Pwr 99.00 % |
| 38.0528 MHz | x dB -26.00 dB |
| Transmit Freq Error 13.610 kHz | |
| x dB Bandwidth 40.994 MHz | |

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1.69. Occupied Bandwidth for SA_Part22-24-27(Channel:635332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3529.98 | 99 | 26 | 1 | Peak | 38.09 | 41.08 | 40 | Pass |

Agilent
Measure

Ch Freq 3.52998 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

38.0869 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 52.733 kHz

x dB Bandwidth 41.083 MHz

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1.70. Occupied Bandwidth for SA_Part22-24-27(Channel:631334, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3470.01 | 99 | 26 | 1 | Peak | 38.19 | 41.14 | 40 | Pass |

Agilent
Measure

Ch Freq 3.47001 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.470 0 GHz Span 80 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

Occupied Bandwidth

38.1891 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -51.257 kHz

x dB Bandwidth 41.140 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.71. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 38.24 | 41.32 | 40 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.500 0 GHz Span 80 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 38.2393 MHz | x dB -26.00 dB |
| Transmit Freq Error | -61.523 kHz |
| x dB Bandwidth | 41.317 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.72. Occupied Bandwidth for SA_Part22-24-27(Channel:635332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3529.98 | 99 | 26 | 1 | Peak | 38.24 | 41.37 | 40 | Pass |

Agilent
Measure

Ch Freq 3.52998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.530 0 GHz Span 80 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (401 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 38.2428 MHz | x dB -26.00 dB |
| Transmit Freq Error | -31.954 kHz |
| x dB Bandwidth | 41.372 MHz |

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

1.73. Occupied Bandwidth for SA_Part22-24-27(Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3475.02 | 99 | 26 | 1 | Peak | 47.51 | 50.71 | 50 | Pass |

Agilent
Measure

Ch Freq 3.47502 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

47.5110 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 77.884 kHz

x dB Bandwidth 50.710 MHz

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1.74. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 47.55 | 50.9 | 50 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a peak at 3.49998 GHz. The Occupied Bandwidth is measured as 47.5523 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB Down is -26.00 dB. The interface also shows various settings like Res BW (1 MHz), Span (100 MHz), and Sweep (5 s).

| Occupied Bandwidth | | Occ BW % Pwr | 99.00 % |
|---------------------|------------|--------------|-----------|
| 47.5523 MHz | | x dB | -26.00 dB |
| Transmit Freq Error | 49.153 kHz | | |
| x dB Bandwidth | 50.903 MHz | | |

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1.75. Occupied Bandwidth for SA_Part22-24-27(Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3525 | 99 | 26 | 1 | Peak | 47.55 | 50.85 | 50 | Pass |

Agilent
Measure

Ch Freq 3.525 GHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

47.5514 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 49.229 kHz

x dB Bandwidth 50.848 MHz

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1.76. Occupied Bandwidth for SA_Part22-24-27(Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3475.02 | 99 | 26 | 1 | Peak | 47.53 | 50.83 | 50 | Pass |

Agilent
Measure

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.475 02 GHz Span 100 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

| | |
|---------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 47.5300 MHz | x dB -26.00 dB |
| Transmit Freq Error | 8.176 kHz |
| x dB Bandwidth | 50.825 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.77. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 47.53 | 50.74 | 50 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

47.5268 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -15.603 kHz

x dB Bandwidth 50.741 MHz

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1.78. Occupied Bandwidth for SA_Part22-24-27(Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3525 | 99 | 26 | 1 | Peak | 47.58 | 50.78 | 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 3.525 GHz, and the span is 100 MHz. The occupied bandwidth is measured as 47.5789 MHz, which is 99.00% of the 50 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 5.503 kHz. The XdB bandwidth is 50.784 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 % |
|---------------------|--------------|-----------|
| 47.5789 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 5.503 kHz | |
| x dB Bandwidth | 50.784 MHz | |

1.79. Occupied Bandwidth for SA_Part22-24-27(Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3475.02 | 99 | 26 | 1 | Peak | 47.61 | 50.85 | 50 | Pass |

Agilent
Measure

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.475 02 GHz Span 100 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

| | |
|-------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 47.6115 MHz | x dB -26.00 dB |
| Transmit Freq Error 3.654 Hz | |
| x dB Bandwidth 50.849 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.80. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 47.63 | 50.69 | 50 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 100 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 47.6340 MHz | x dB -26.00 dB |
| Transmit Freq Error | -44.753 kHz |
| x dB Bandwidth | 50.686 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.81. Occupied Bandwidth for SA_Part22-24-27(Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3525 | 99 | 26 | 1 | Peak | 47.68 | 50.8 | 50 | Pass |

Agilent

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

Ch Freq 3.525 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.525 00 GHz Span 100 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (500 pts)

| | | |
|----------------------------|---------------------|-----------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 47.6845 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 1.694 kHz | |
| x dB Bandwidth | 50.796 MHz | |

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1.82. Occupied Bandwidth for SA_Part22-24-27(Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3475.02 | 99 | 26 | 1 | Peak | 47.57 | 50.59 | 50 | Pass |

Agilent

Measure

Ch Freq 3.47502 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm
#Atten 30 dB

#Peak
Ext Ref

Log
10

dB/
Offst

12.3
dB

Center 3.475 02 GHz
Span 100 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 47.5670 MHz | x dB -26.00 dB |
| Transmit Freq Error | -17.192 kHz |
| x dB Bandwidth | 50.592 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

1.83. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 47.59 | 50.59 | 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 measurement results are as follows:

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 47.5907 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -57.439 kHz |
| x dB Bandwidth | 50.586 MHz |

Other visible parameters include: Ch Freq 3.49998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.3 dB, Center 3.499 98 GHz, Span 100 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (500 pts).

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1.84. Occupied Bandwidth for SA_Part22-24-27(Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3525 | 99 | 26 | 1 | Peak | 47.63 | 50.68 | 50 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal trace with a yellow line representing the signal level. The y-axis is labeled 'Log 10 dB/Offst 12.2 dB'. The x-axis is labeled 'Center 3.525 00 GHz' and 'Span 100 MHz'. The signal level is approximately 30 dBm, and the attenuation is 30 dB. The measurement results are shown in a green-bordered box at the bottom of the screen:

| | | |
|----------------------------|---------------------|-------------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 47.6275 MHz | x dB | -26.00 dB |
| Transmit Freq Error | | -27.714 kHz |
| x dB Bandwidth | | 50.681 MHz |

Additional information shown in the interface includes: Ch Freq 3.525 GHz, Trig Free, Averages: 1, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (500 pts), and Copyright 2000-2012 Agilent Technologies.

1.85. Occupied Bandwidth for SA_Part22-24-27(Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3480 | 99 | 26 | 1 | Peak | 57.89 | 61.05 | 60 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is centered at 3.48 GHz with a span of 120 MHz. The vertical axis is labeled 'Log 10 dB/Offst 12.2 dB'. The horizontal axis is labeled 'Center 3.480 00 GHz' and 'Span 120 MHz'. The plot shows a signal with a peak at approximately 3.48 GHz. The signal is measured with a resolution bandwidth of 3 MHz and a sweep time of 5 seconds (600 points). The measurement results are displayed in a green-bordered box at the bottom of the screen:

| | | |
|----------------------------|---------------------|------------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 57.8934 MHz | x dB | -26.00 dB |
| Transmit Freq Error | | 39.691 kHz |
| x dB Bandwidth | | 61.045 MHz |

Additional information shown in the interface includes: Ch Freq 3.48 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts), and Ext Ref. The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright notice: Copyright 2000-2012 Agilent Technologies.

1.86. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 57.91 | 61.12 | 60 | Pass |

Agilent
Measure

Ch Freq 3.49998 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

57.9140 MHz

Transmit Freq Error 47.348 kHz

x dB Bandwidth 61.124 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.87. Occupied Bandwidth for SA_Part22-24-27(Channel:634666, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3519.99 | 99 | 26 | 1 | Peak | 57.95 | 61.21 | 60 | Pass |

Agilent
Measure

Ch Freq 3.51999 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

57.9501 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 27.515 kHz

x dB Bandwidth 61.213 MHz

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1.88. Occupied Bandwidth for SA_Part22-24-27(Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3480 | 99 | 26 | 1 | Peak | 57.93 | 61.22 | 60 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log 10 dB/Offst 12.2 dB'. The x-axis is labeled 'Center 3.480 00 GHz' and 'Span 120 MHz'. The plot shows a signal with a peak at approximately 3.48 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 57.9267 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -38.095 kHz and the 'x dB Bandwidth' is 61.218 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

| Occupied Bandwidth | Occ BW % Pwr | x dB |
|--------------------|--------------|-----------|
| 57.9267 MHz | 99.00 % | -26.00 dB |

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1.89. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 57.96 | 61.31 | 60 | Pass |

Agilent
Measure

Ch Freq 3.49998 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

57.9554 MHz

Transmit Freq Error -37.096 kHz

x dB Bandwidth 61.313 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.90. Occupied Bandwidth for SA_Part22-24-27(Channel:634666, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3519.99 | 99 | 26 | 1 | Peak | 57.99 | 61.24 | 60 | Pass |

Agilent
Measure

Ch Freq 3.51999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.519 99 GHz Span 120 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

| | |
|--|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 57.9902 MHz | x dB -26.00 dB |
| Transmit Freq Error -55.795 kHz | |
| x dB Bandwidth 61.237 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.91. Occupied Bandwidth for SA_Part22-24-27(Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3480 | 99 | 26 | 1 | Peak | 57.86 | 61.06 | 60 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.48 GHz and a span of 120 MHz. The vertical axis is labeled 'Log 10 dB/Offst 12.2 dB'. The horizontal axis is labeled 'Center 3.480 00 GHz' and 'Span 120 MHz'. The plot shows a signal with a peak at approximately 3.48 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 57.8581 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 23.781 kHz and the 'x dB Bandwidth' is 61.058 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

| Occupied Bandwidth | Occ BW % Pwr | x dB |
|--------------------|--------------|-----------|
| 57.8581 MHz | 99.00 % | -26.00 dB |

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1.92. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 57.89 | 61.08 | 60 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

| | |
|--------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 57.8885 MHz | x dB -26.00 dB |
| Transmit Freq Error 31.899 kHz | |
| x dB Bandwidth 61.084 MHz | |

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1.93. Occupied Bandwidth for SA_Part22-24-27(Channel:634666, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3519.99 | 99 | 26 | 1 | Peak | 57.92 | 61.19 | 60 | Pass |

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

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 57.9192 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | 14.568 kHz |
| x dB Bandwidth | 61.193 MHz |

Additional parameters shown in the interface include: Ch Freq 3.51999 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.2 dB, Center 3.519 99 GHz, Span 120 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (600 pts).

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1.94. Occupied Bandwidth for SA_Part22-24-27(Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3480 | 99 | 26 | 1 | Peak | 57.64 | 60.99 | 60 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.48 GHz, and the span is 120 MHz. The occupied bandwidth is highlighted in green, showing a value of 57.6387 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
|---------------------|--------------|-----------|
| 57.6387 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 41.099 kHz | |
| x dB Bandwidth | 60.989 MHz | |

1.95. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 57.68 | 61.04 | 60 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 120 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 57.6834 MHz | x dB -26.00 dB |
| Transmit Freq Error 46.270 kHz | |
| x dB Bandwidth 61.037 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.96. Occupied Bandwidth for SA_Part22-24-27(Channel:634666, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:162, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3519.99 | 99 | 26 | 1 | Peak | 57.72 | 61.14 | 60 | Pass |

Agilent
Measure

Ch Freq 3.51999 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.519 99 GHz Span 120 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (600 pts)

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 57.7166 MHz | x dB -26.00 dB |
| Transmit Freq Error 42.940 kHz | |
| x dB Bandwidth 61.137 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.97. Occupied Bandwidth for SA_Part22-24-27(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3485.01 | 99 | 26 | 1 | Peak | 67.31 | 70.72 | 70 | Pass |

Agilent
Measure

Ch Freq 3.48501 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.485 01 GHz Span 140 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.3132 MHz | x dB -26.00 dB |
| Transmit Freq Error | -20.318 kHz |
| x dB Bandwidth | 70.717 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.98. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 67.43 | 70.93 | 70 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 140 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|--------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.4318 MHz | x dB -26.00 dB |
| Transmit Freq Error 13.455 kHz | |
| x dB Bandwidth 70.931 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.99. Occupied Bandwidth for SA_Part22-24-27(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3514.98 | 99 | 26 | 1 | Peak | 67.44 | 71.03 | 70 | Pass |

Agilent
Measure

Ch Freq 3.51498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.514 98 GHz Span 140 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|--|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.4417 MHz | x dB -26.00 dB |
| Transmit Freq Error -20.850 kHz | |
| x dB Bandwidth 71.035 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.100. Occupied Bandwidth for SA_Part22-24-27(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3485.01 | 99 | 26 | 1 | Peak | 67.41 | 70.82 | 70 | Pass |

Agilent
Measure

Ch Freq 3.48501 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.485 01 GHz Span 140 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|--|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.4145 MHz | x dB -26.00 dB |
| Transmit Freq Error -60.395 kHz | |
| x dB Bandwidth 70.818 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.101. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 67.51 | 70.85 | 70 | Pass |

Agilent

Measure
 Meas Off
 Channel Power
 Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
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Ch Freq 3.49998 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 140 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.5056 MHz | x dB -26.00 dB |
| Transmit Freq Error | -47.413 kHz |
| x dB Bandwidth | 70.845 MHz |

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1.102. Occupied Bandwidth for SA_Part22-24-27(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3514.98 | 99 | 26 | 1 | Peak | 67.56 | 70.71 | 70 | Pass |

Agilent
Measure

Ch Freq 3.51498 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.514 98 GHz Span 140 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.5586 MHz | x dB -26.00 dB |
| Transmit Freq Error | -72.919 kHz |
| x dB Bandwidth | 70.711 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
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1.103. Occupied Bandwidth for SA_Part22-24-27(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3485.01 | 99 | 26 | 1 | Peak | 67.37 | 71 | 70 | Pass |

Agilent

Measure
 Meas Off
 Channel Power
 Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
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Ch Freq 3.48501 GHz
Ext Ref Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.485 01 GHz Span 140 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.3748 MHz | x dB -26.00 dB |
| Transmit Freq Error | -8.094 kHz |
| x dB Bandwidth | 71.001 MHz |

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1.104. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 67.49 | 71.1 | 70 | Pass |

Agilent
Measure

Ch Freq 3.49998 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

Occupied Bandwidth Occ BW % Pwr 99.00 %

67.4885 MHz x dB -26.00 dB

Transmit Freq Error 18.557 kHz

x dB Bandwidth 71.102 MHz

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1.105. Occupied Bandwidth for SA_Part22-24-27(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3514.98 | 99 | 26 | 1 | Peak | 67.52 | 71.01 | 70 | Pass |

Agilent
Measure

Ch Freq 3.51498 GHz
Ext Ref

Occupied Bandwidth
Trig Free

Averages: 1

Ref 30 dBm #Atten 30 dB

| | |
|--|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.5181 MHz | x dB -26.00 dB |
| Transmit Freq Error -30.924 kHz | |
| x dB Bandwidth 71.006 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.106. Occupied Bandwidth for SA_Part22-24-27(Channel:632334, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3485.01 | 99 | 26 | 1 | Peak | 67.43 | 70.75 | 70 | Pass |

Agilent
Measure

Ch Freq 3.48501 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.485 01 GHz Span 140 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|--|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.4337 MHz | x dB -26.00 dB |
| Transmit Freq Error -34.444 kHz | |
| x dB Bandwidth 70.751 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.107. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 67.54 | 70.92 | 70 | Pass |

Agilent

Measure
 Meas Off
 Channel Power
Occupied BW
 ACP
 Multi Carrier Power
 Power Stat CCDF
 More
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Ch Freq 3.49998 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 140 MHz

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

| | |
|--|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.5396 MHz | x dB -26.00 dB |
| Transmit Freq Error -15.281 kHz | |
| x dB Bandwidth 70.919 MHz | |

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1.108. Occupied Bandwidth for SA_Part22-24-27(Channel:634332, Bandwidth:70, SCS:30, OFDM:CP-OFDM, Modulation:256QAM, RB Number:189, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3514.98 | 99 | 26 | 1 | Peak | 67.6 | 70.98 | 70 | Pass |

Agilent
Measure

Ch Freq 3.51498 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.514 98 GHz Span 140 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (700 pts)

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 67.5984 MHz | x dB -26.00 dB |
| Transmit Freq Error | -52.852 kHz |
| x dB Bandwidth | 70.977 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.109. Occupied Bandwidth for SA_Part22-24-27(Channel:632668, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3490.02 | 99 | 26 | 1 | Peak | 77.35 | 80.76 | 80 | Pass |

Agilent
Measure

Ch Freq 3.49002 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.490 02 GHz Span 160 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

| | |
|--------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 77.3463 MHz | x dB -26.00 dB |
| Transmit Freq Error 81.398 kHz | |
| x dB Bandwidth 80.760 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.1. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 77.51 | 80.93 | 80 | Pass |

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

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 77.5100 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | 2.354 kHz |
| x dB Bandwidth | 80.927 MHz |

Other visible parameters include: Ch Freq 3.49998 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 12.3 dB, Center 3.499 98 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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1.2. Occupied Bandwidth for SA_Part22-24-27(Channel:634000, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3510 | 99 | 26 | 1 | Peak | 77.47 | 80.82 | 80 | 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 | 77.4727 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | 13.567 kHz |
| x dB Bandwidth | 80.821 MHz |

Additional parameters shown in the interface include: Ch Freq 3.51 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.2 dB, Center 3.510 00 GHz, Span 160 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (800 pts).

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1.3. Occupied Bandwidth for SA_Part22-24-27(Channel:632668, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3490.02 | 99 | 26 | 1 | Peak | 77.58 | 81.09 | 80 | Pass |

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

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 77.5846 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -53.700 kHz |
| x dB Bandwidth | 81.091 MHz |

Other visible parameters include: Ch Freq 3.49002 GHz, Res BW 1 MHz, VBW 3 MHz, Span 160 MHz, Sweep 5 s (800 pts), and a copyright notice for Agilent Technologies from 2000-2012.

1.4. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 77.63 | 81.05 | 80 | Pass |

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

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 77.6264 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -31.863 kHz |
| x dB Bandwidth | 81.047 MHz |

Other visible parameters include: Ch Freq 3.49998 GHz, Res BW 1 MHz, VBW 3 MHz, Span 160 MHz, Sweep 5 s (800 pts), and a 'Meas Off' button.

1.5. Occupied Bandwidth for SA_Part22-24-27(Channel:634000, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3510 | 99 | 26 | 1 | Peak | 77.6 | 80.99 | 80 | Pass |

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

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 77.6015 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -23.304 kHz |
| x dB Bandwidth | 80.985 MHz |

Other visible parameters include: Ch Freq 3.51 GHz, Res BW 1 MHz, VBW 3 MHz, Span 160 MHz, Sweep 5 s (800 pts), and a 'Pass' verdict.

1.6. Occupied Bandwidth for SA_Part22-24-27(Channel:632668, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3490.02 | 99 | 26 | 1 | Peak | 77.36 | 80.96 | 80 | Pass |

Agilent
Measure

Ch Freq 3.49002 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.490 02 GHz Span 160 MHz
 #Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
77.3570 MHz x dB -26.00 dB

Transmit Freq Error 55.755 kHz
 x dB Bandwidth 80.960 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

1.7. Occupied Bandwidth for SA_Part22-24-27(Channel:633332, Bandwidth:80, SCS:30, OFDM:CP-OFDM, Modulation:64QAM, RB Number:217, RB Position:0)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 3499.98 | 99 | 26 | 1 | Peak | 77.44 | 80.93 | 80 | Pass |

Agilent
Measure

Ch Freq 3.49998 GHz
Trig Free

Occupied Bandwidth
Averages: 1

Ref 30 dBm #Atten 30 dB

Center 3.499 98 GHz Span 160 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 5 s (800 pts)

| | |
|--------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 77.4361 MHz | x dB -26.00 dB |
| Transmit Freq Error 35.603 kHz | |
| x dB Bandwidth 80.926 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
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