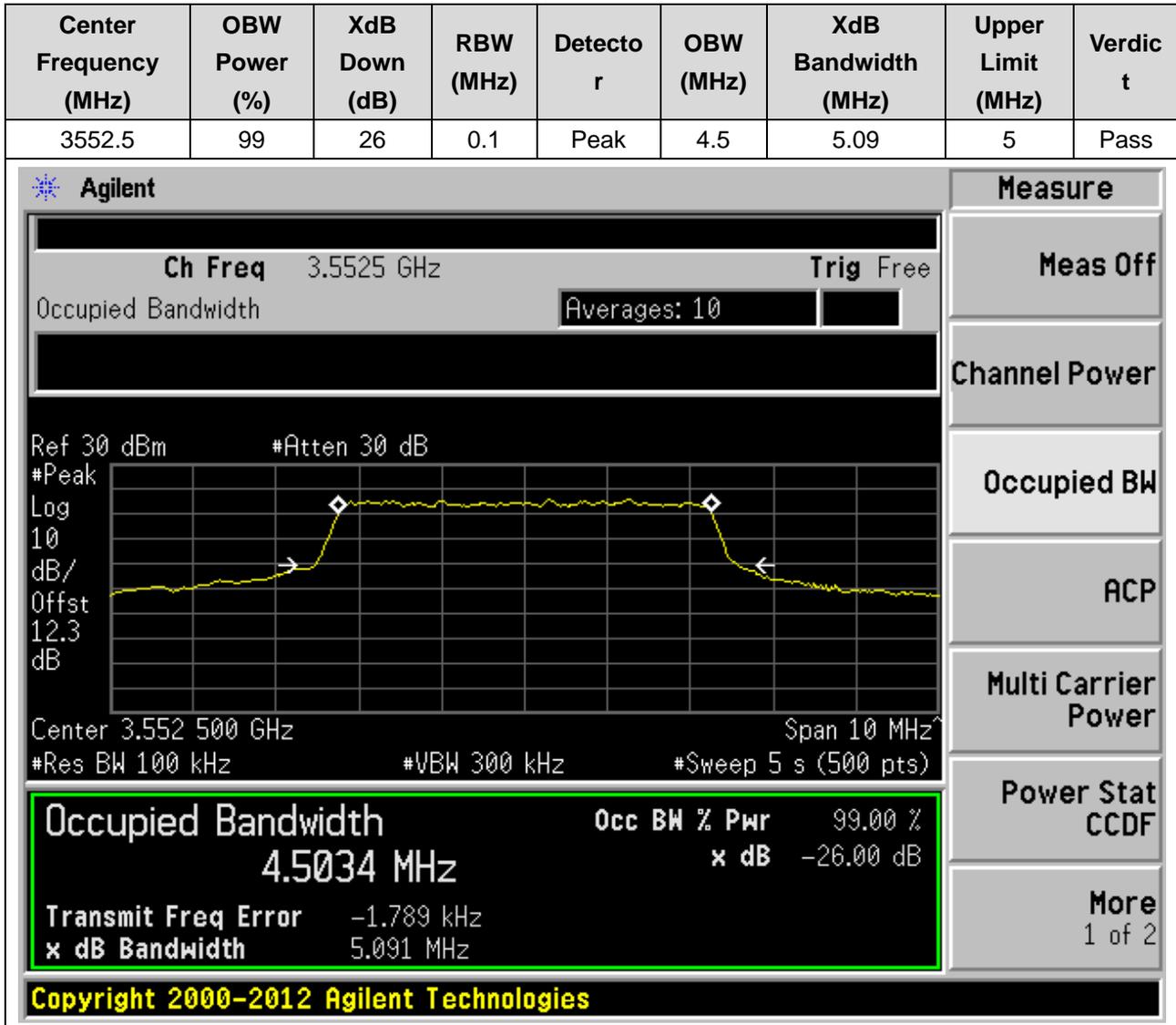

Occupied Bandwidth

1. LTE_Band48

1.1. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



1.2. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3552.5	99	26	0.1	Peak	4.5	5.24	5	Pass

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

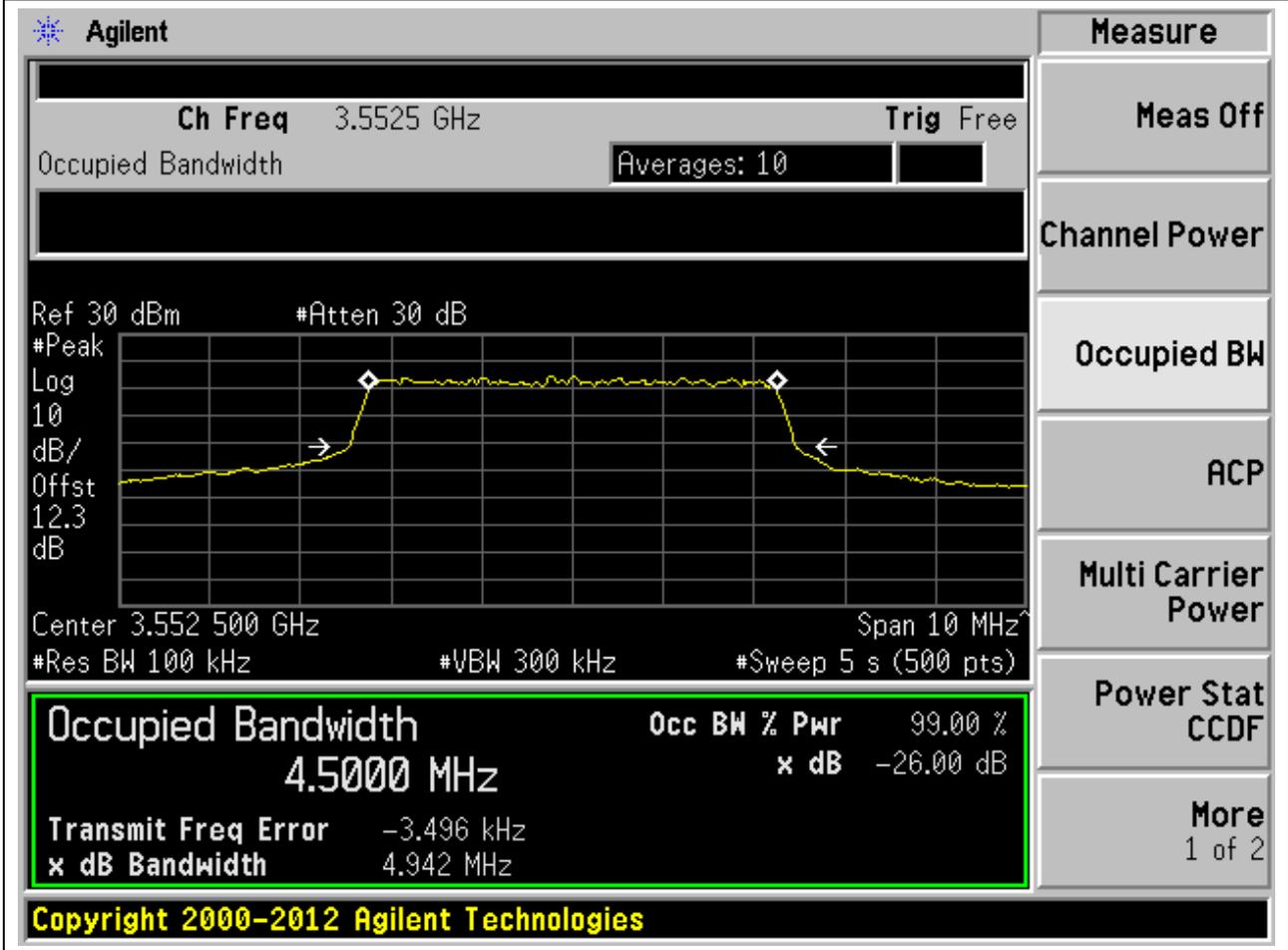
Measurement	Value
Occupied Bandwidth	4.5010 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.081 kHz
x dB Bandwidth	5.239 MHz

Other visible parameters include: Ch Freq 3.5525 GHz, Trig Free, Averages: 10, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.3 dB, Center 3.552 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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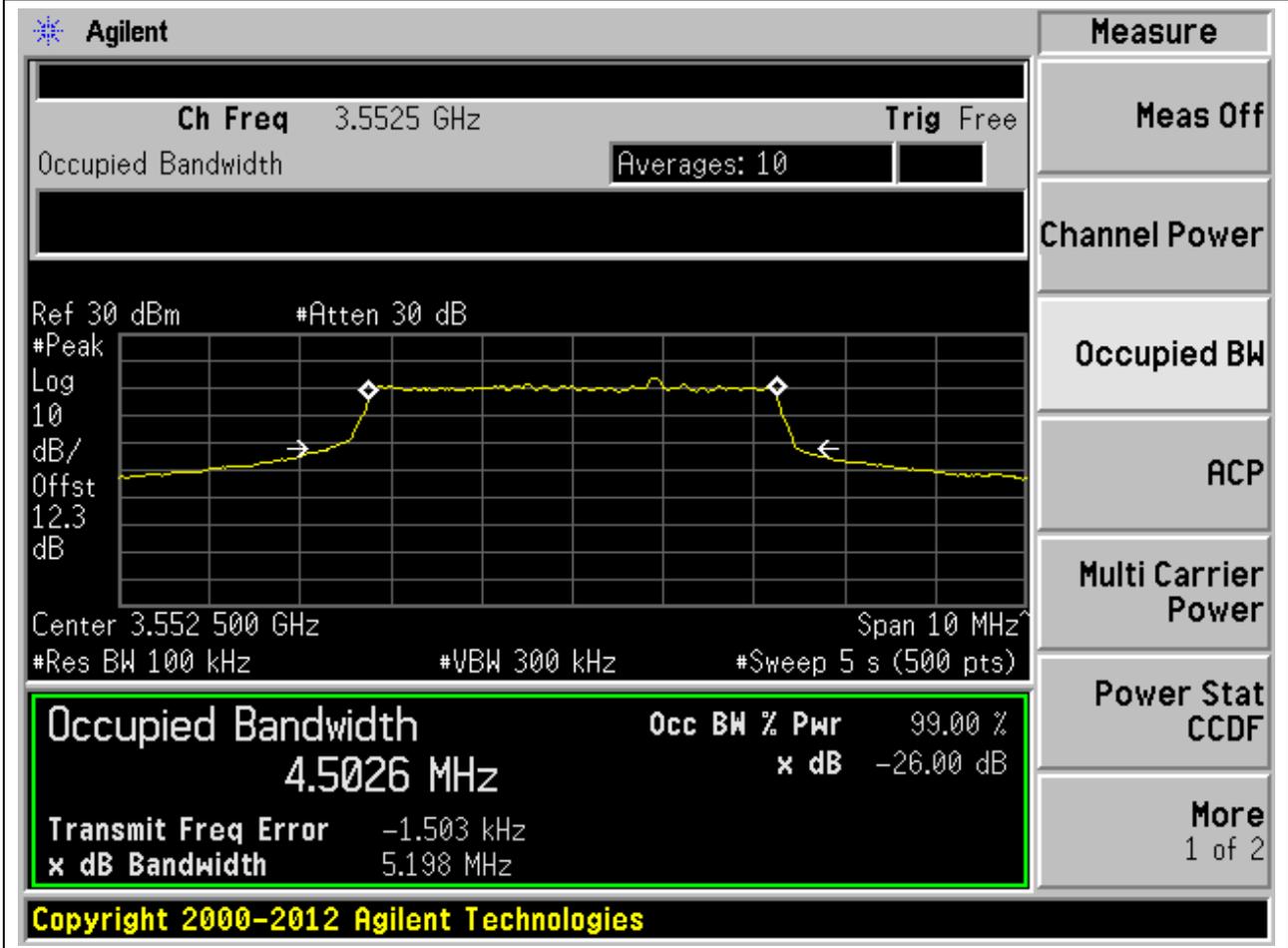
1.3. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3552.5	99	26	0.1	Peak	4.5	4.94	5	Pass



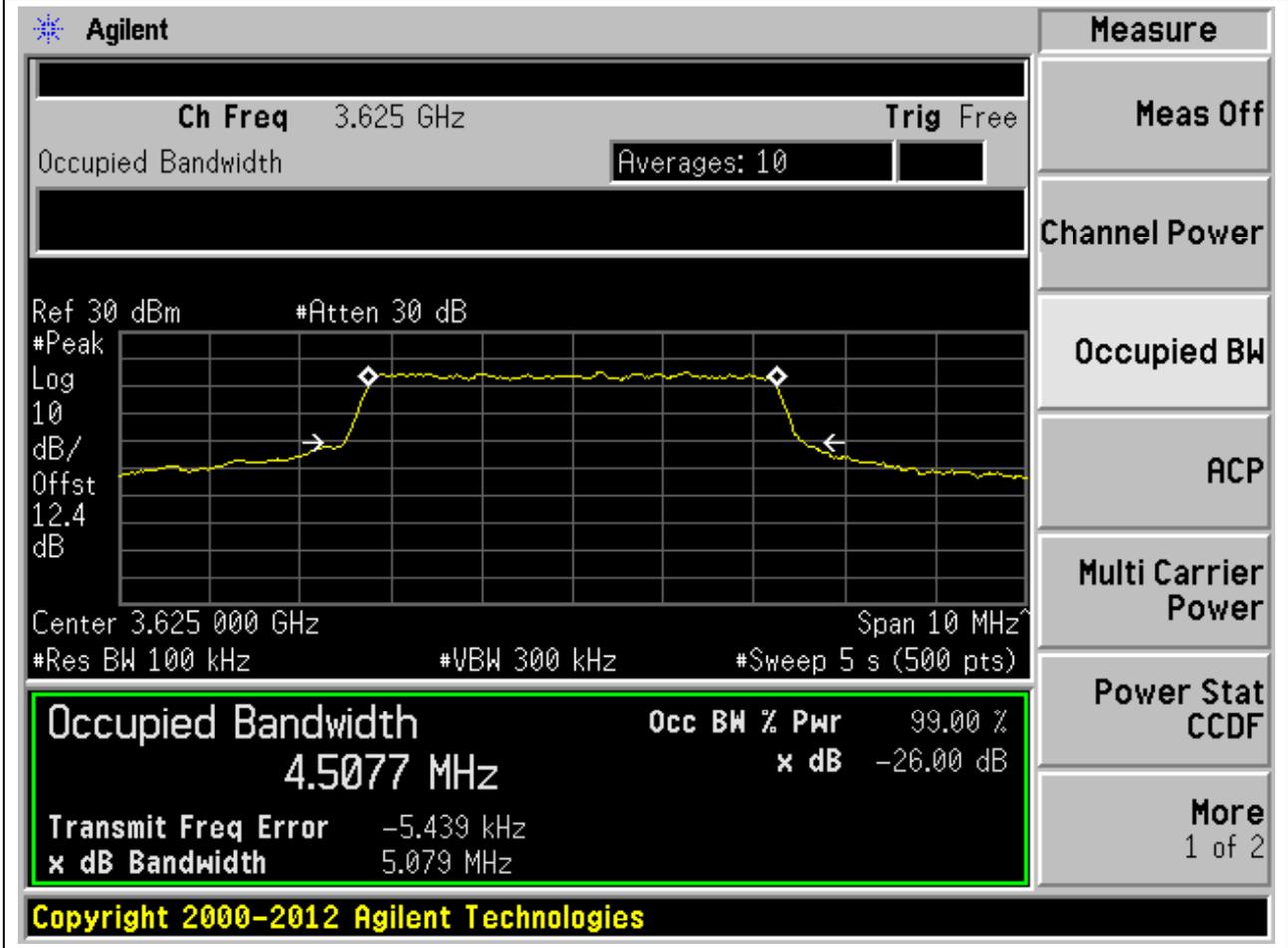
1.4. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3552.5	99	26	0.1	Peak	4.5	5.2	5	Pass



1.5. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.1	Peak	4.51	5.08	5	Pass



1.6. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.1	Peak	4.5	5.24	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.625 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.5033 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -5.393 kHz and the XdB bandwidth is 5.237 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5033 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -5.393 kHz
 x dB Bandwidth: 5.237 MHz

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1.7. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.1	Peak	4.5	4.95	5	Pass

Agilent

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

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.4 dB

Center 3.625 000 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5010 MHz	x dB -26.00 dB
Transmit Freq Error -1.300 kHz	
x dB Bandwidth 4.947 MHz	

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1.8. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.1	Peak	4.5	5.16	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.625 GHz and the span is 10 MHz. The occupied bandwidth is measured as 4.4957 MHz. The power is 99.00% and the XdB bandwidth is 5.162 MHz. The XdB down is -26.00 dB. The transmit frequency error is -4.833 kHz. The RBW is 100 kHz, VBW is 300 kHz, and the sweep is 5 s (500 pts). The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4957 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -4.833 kHz
x dB Bandwidth: 5.162 MHz

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1.9. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3697.5	99	26	0.1	Peak	4.51	5.08	5	Pass

Agilent

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

Ch Freq 3.6975 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.2 dB

Center 3.697 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5114 MHz x dB -26.00 dB

Transmit Freq Error -4.364 kHz

x dB Bandwidth 5.076 MHz

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1.10. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3697.5	99	26	0.1	Peak	4.5	5.22	5	Pass

Agilent

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

Ch Freq 3.6975 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.2 dB

Center 3.697 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5006 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.949 kHz	
x dB Bandwidth	5.221 MHz	

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1.11. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3697.5	99	26	0.1	Peak	4.5	4.94	5	Pass

Agilent

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

Ch Freq 3.6975 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.2 dB

Center 3.697 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4997 MHz	x dB	-26.00 dB
Transmit Freq Error	-161.066 Hz	
x dB Bandwidth	4.942 MHz	

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1.12. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3697.5	99	26	0.1	Peak	4.49	5.17	5	Pass

Agilent

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

Ch Freq 3.6975 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.2 dB

Center 3.697 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4948 MHz x dB -26.00 dB

Transmit Freq Error -7.101 kHz

x dB Bandwidth 5.167 MHz

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1.13. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3555	99	26	0.2	Peak	8.99	10.33	10	Pass

Agilent

Measure

Ch Freq 3.555 GHz
Trig Free

Occupied Bandwidth
Averages: 10

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.3

dB

Center 3.555 00 GHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9931 MHz	x dB -26.00 dB
Transmit Freq Error 4.227 kHz	
x dB Bandwidth 10.335 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.14. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3555	99	26	0.2	Peak	8.96	10.05	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.555 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.3 dB, Center 3.555 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 5 s (500 pts). A green box highlights the measurement results:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9632 MHz	x dB	-26.00 dB
Transmit Freq Error	5.005 kHz	
x dB Bandwidth	10.046 MHz	

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

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1.15. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3555	99	26	0.2	Peak	9	10.12	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.555 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with a 'Ref 30 dBm' and '#Atten 30 dB'. The y-axis is labeled 'dB/Offst 12.3 dB'. The x-axis is labeled 'Center 3.555 00 GHz' and 'Span 20 MHz'. The plot shows a signal with a peak at approximately 3.555 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 9.0025 MHz. Other parameters shown include 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 6.487 kHz', and 'x dB Bandwidth 10.116 MHz'. The bottom of the screen displays 'Copyright 2000-2012 Agilent Technologies'.

1.16. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3555	99	26	0.2	Peak	8.98	9.95	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.555 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with a 'Ref 30 dBm' and '#Atten 30 dB'. The y-axis is labeled 'dB/Offst 12.3 dB'. The x-axis shows 'Center 3.555 00 GHz' and 'Span 20 MHz'. The plot shows a signal with a peak at approximately 3.555 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9759 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 2.356 kHz' and 'x dB Bandwidth 9.951 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9759 MHz	99.00 %	-26.00 dB

1.17. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.2	Peak	8.99	10.28	10	Pass

Agilent
Measure

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 10

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.4 dB

Center 3.625 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9949 MHz x dB -26.00 dB

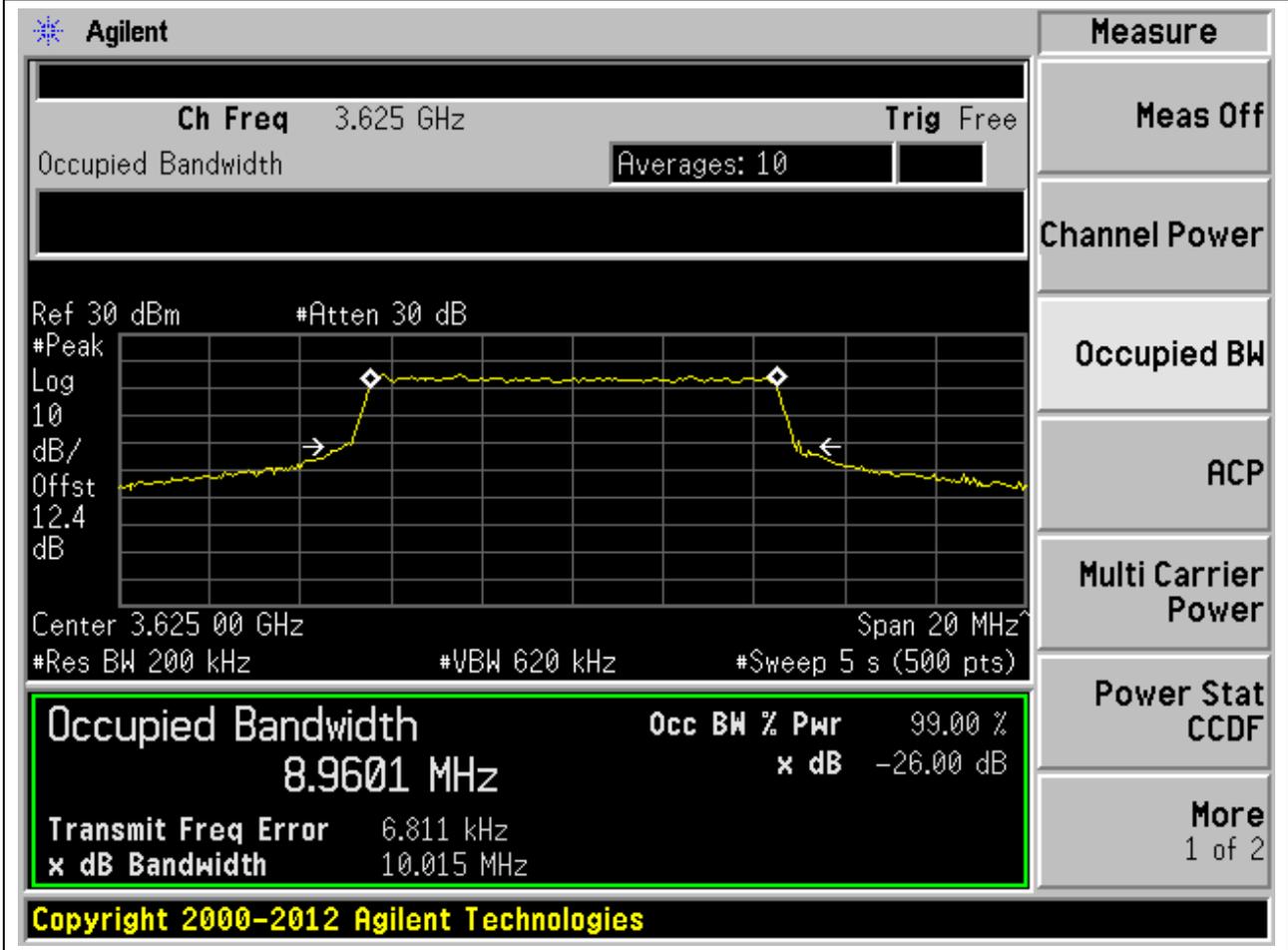
Transmit Freq Error 4.033 kHz

x dB Bandwidth 10.279 MHz

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1.18. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.2	Peak	8.96	10.01	10	Pass



1.19. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.2	Peak	9	10.21	10	Pass

Agilent

Measure

Ch Freq 3.625 GHz
Trig Free

Occupied Bandwidth
Averages: 10

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.4

dB

Center 3.625 00 GHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9983 MHz	x dB -26.00 dB
Transmit Freq Error 8.976 kHz	
x dB Bandwidth 10.211 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

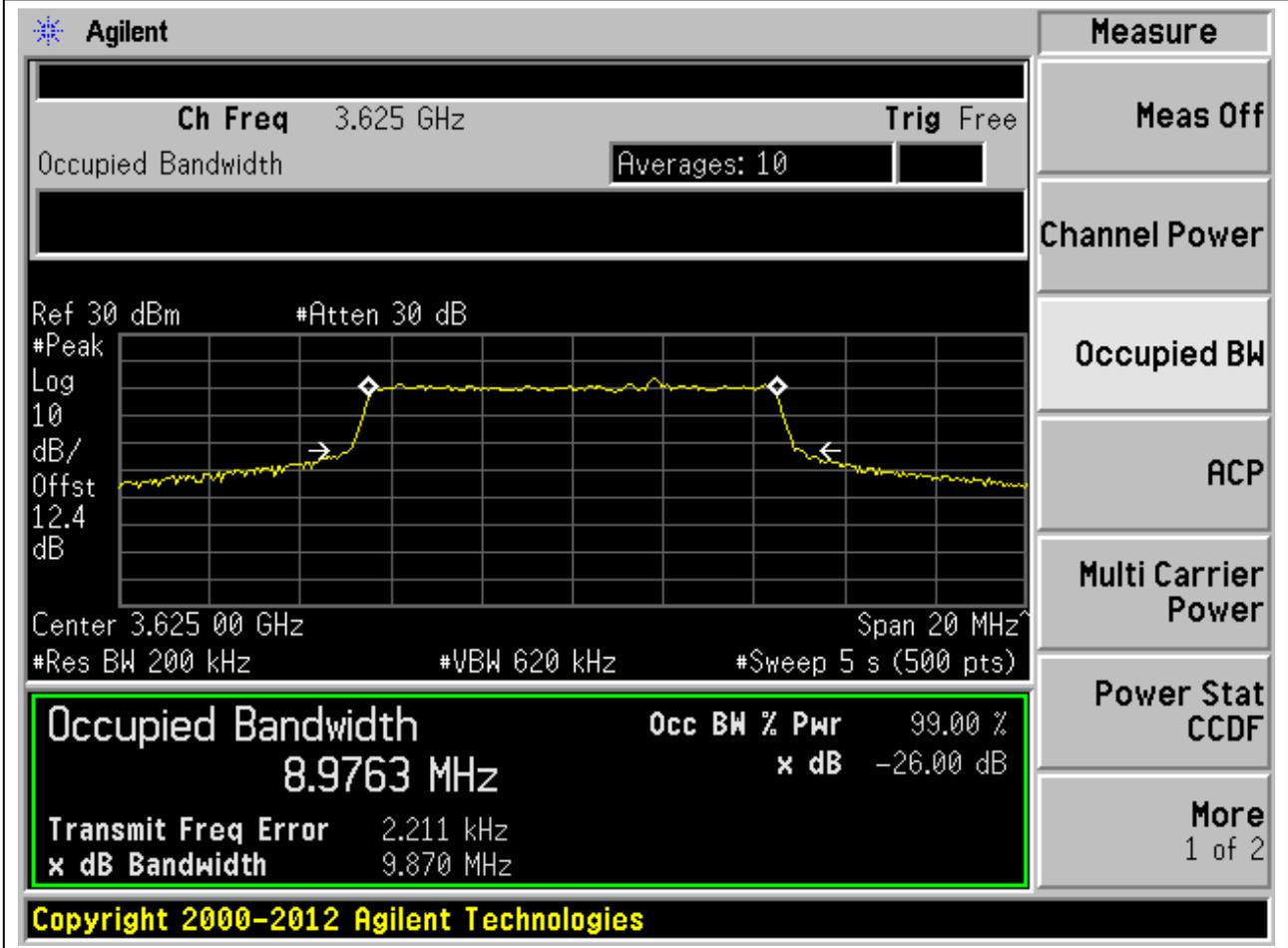
Power Stat CCDF

More
1 of 2

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1.20. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.2	Peak	8.98	9.87	10	Pass



1.21. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3695	99	26	0.2	Peak	8.99	10.31	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.695 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak detector, a logarithmic scale, and a 10 dB offset. The occupied bandwidth is highlighted with a green box, showing a value of 8.9947 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. Other parameters shown include a transmit frequency error of 4.274 kHz and a total bandwidth of 10.306 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9947 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 4.274 kHz
x dB Bandwidth: 10.306 MHz

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1.22. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3695	99	26	0.2	Peak	8.96	9.86	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.695 GHz and the span is 20 MHz. The occupied bandwidth is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9596 MHz	x dB	-26.00 dB
Transmit Freq Error		4.712 kHz
x dB Bandwidth		9.856 MHz

Additional parameters shown in the interface include: Ch Freq 3.695 GHz, Trig Free, Averages: 10, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.2 dB, Center 3.695 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 5 s (500 pts).

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

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1.23. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3695	99	26	0.2	Peak	9	10.09	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.695 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with 'dB/Offst 12.2 dB'. The center frequency is 3.695 00 GHz and the span is 20 MHz. The resolution bandwidth is 200 kHz, video bandwidth is 620 kHz, and the sweep time is 5 s (500 pts). A green box highlights the measurement results:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.0017 MHz	x dB	-26.00 dB
Transmit Freq Error		10.318 kHz
x dB Bandwidth		10.091 MHz

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

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1.24. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3695	99	26	0.2	Peak	8.97	9.92	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.695 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak detector, a logarithmic scale, and a 10 dB offset. The occupied bandwidth is highlighted in a green box with the following values:

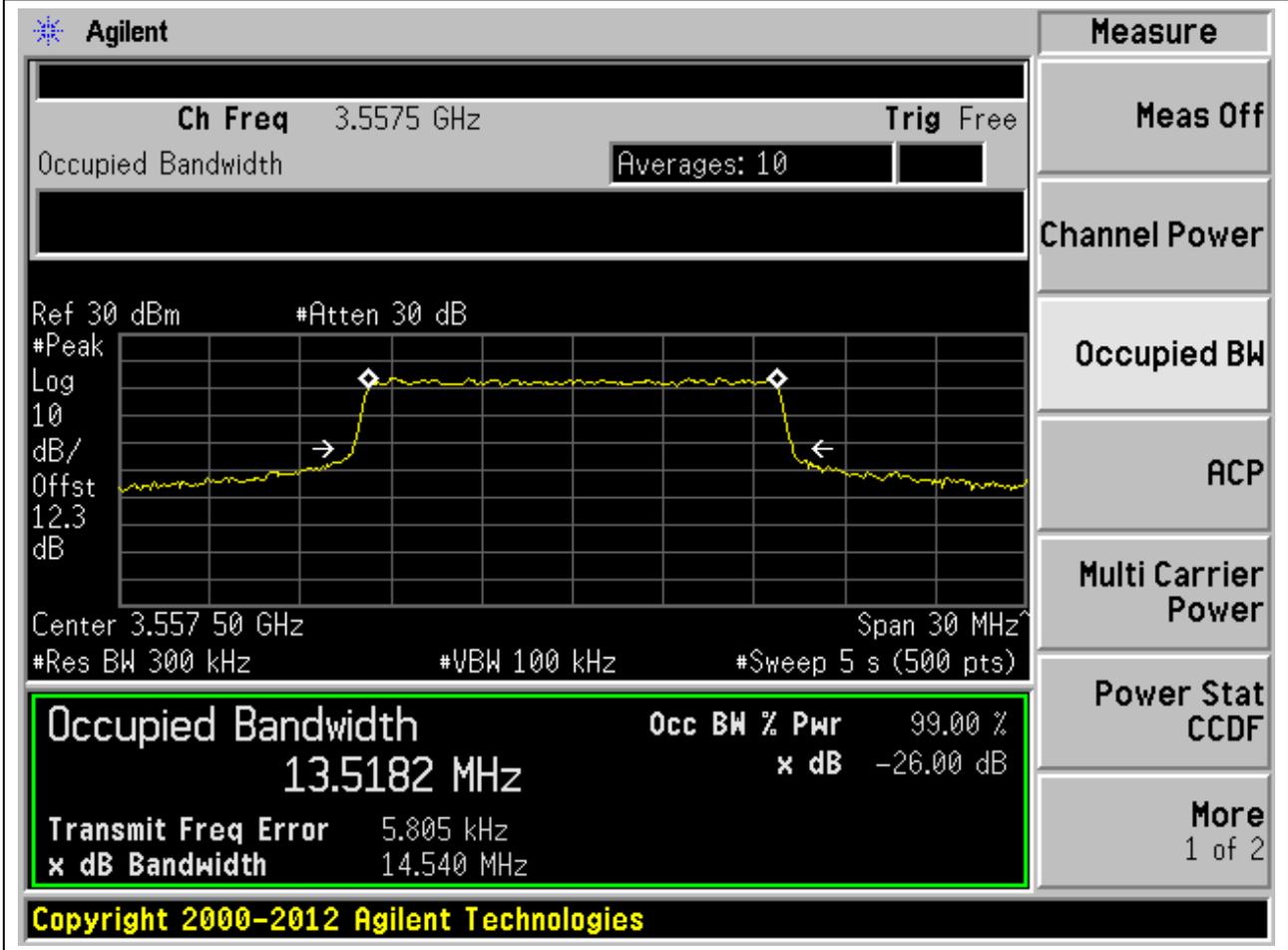
Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9747 MHz	x dB	-26.00 dB
Transmit Freq Error		6.678 kHz
x dB Bandwidth		9.916 MHz

Additional parameters shown include a span of 20 MHz, a resolution bandwidth of 200 kHz, a video bandwidth of 620 kHz, and a sweep time of 5 seconds. The right-hand side of the interface contains a 'Measure' menu with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

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1.25. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3557.5	99	26	0.3	Peak	13.52	14.54	15	Pass



1.26. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3557.5	99	26	0.3	Peak	13.51	14.57	15	Pass

Agilent

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

Ch Freq 3.5575 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.55750 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5103 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.009 kHz	
x dB Bandwidth	14.570 MHz	

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1.27. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3557.5	99	26	0.3	Peak	13.49	14.52	15	Pass

Agilent

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

Ch Freq 3.5575 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.3 dB

Center 3.55750 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4858 MHz	x dB	-26.00 dB
Transmit Freq Error -5.179 kHz x dB Bandwidth 14.521 MHz		

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1.28. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3557.5	99	26	0.3	Peak	13.51	14.46	15	Pass

Agilent

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

Ch Freq 3.5575 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.3 dB

Center 3.5575 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.5144 MHz x dB -26.00 dB

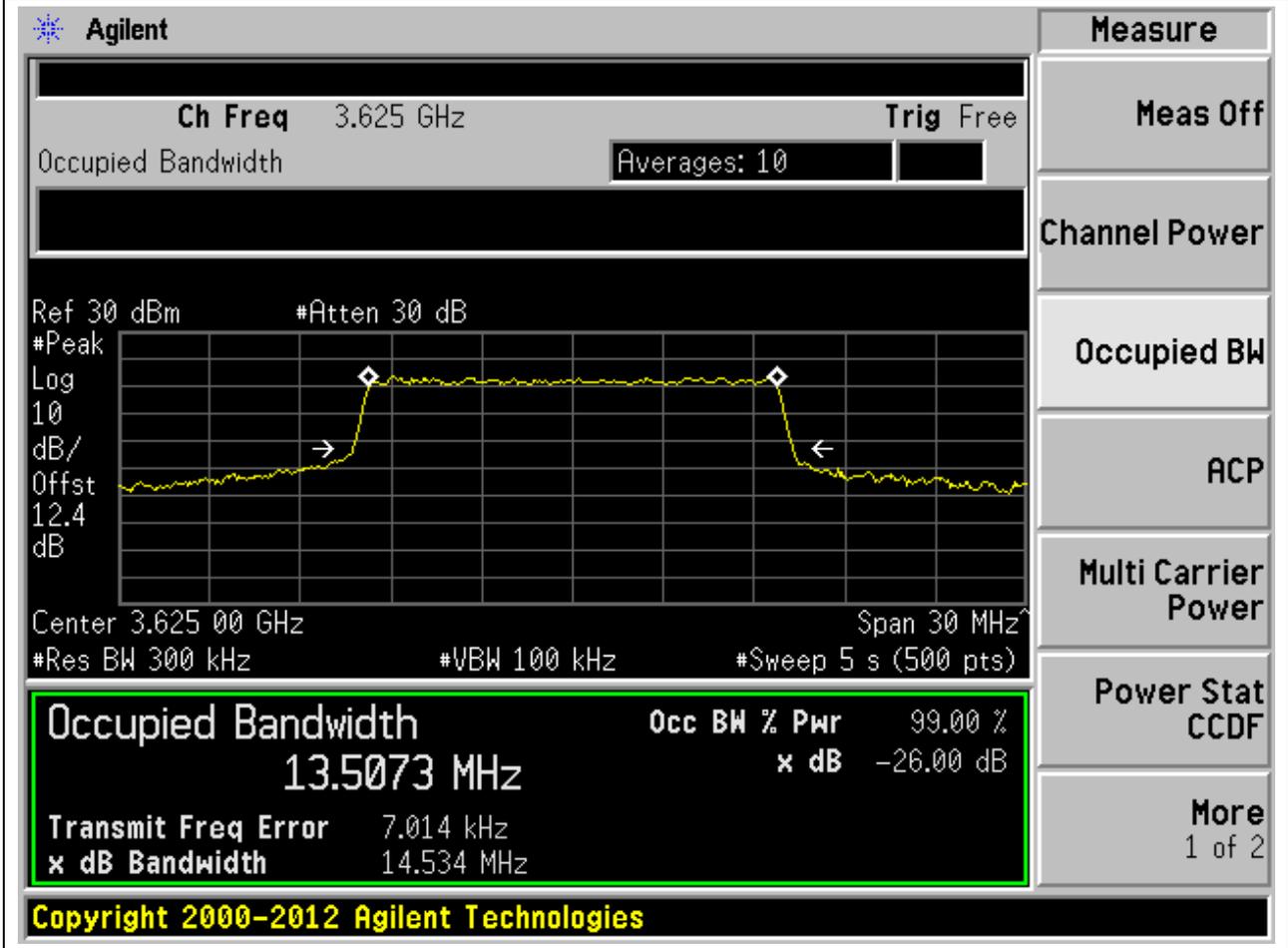
Transmit Freq Error -2.761 kHz

x dB Bandwidth 14.458 MHz

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1.29. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.3	Peak	13.51	14.53	15	Pass



1.30. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.3	Peak	13.51	14.56	15	Pass

Agilent
Measure

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 10

Center 3.625 00 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

13.5111 MHz

Transmit Freq Error -2.919 kHz

x dB Bandwidth 14.565 MHz

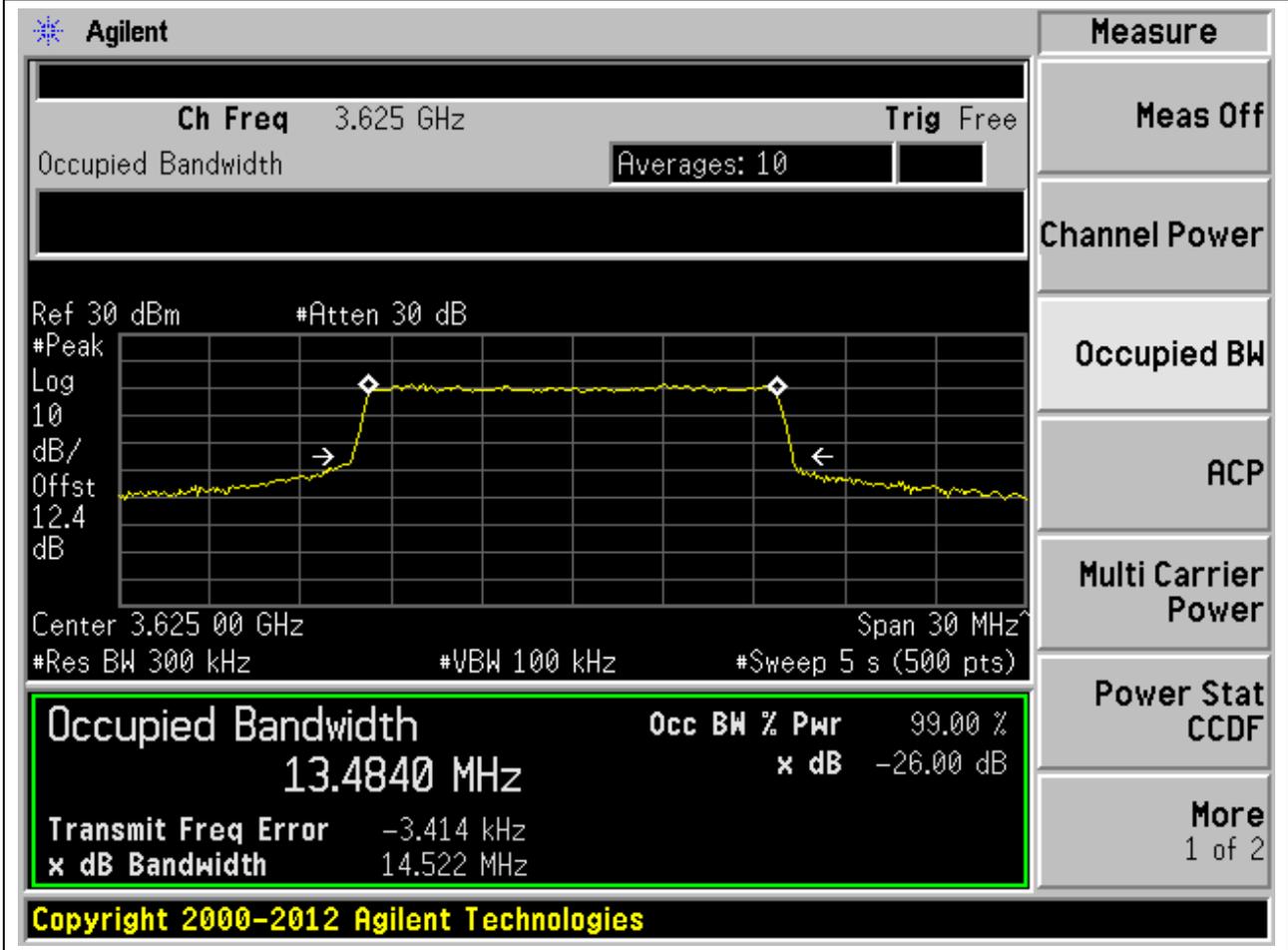
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.31. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.3	Peak	13.48	14.52	15	Pass



1.32. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.3	Peak	13.52	14.44	15	Pass

Agilent

Measure

Ch Freq 3.625 GHz
Trig Free

Occupied Bandwidth
Averages: 10

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.4

dB

Center 3.625 00 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5202 MHz	x dB -26.00 dB
Transmit Freq Error -9.479 kHz	
x dB Bandwidth 14.440 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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1.33. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3692.5	99	26	0.3	Peak	13.52	14.52	15	Pass

Agilent
Measure

Ch Freq 3.6925 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.2 dB

Center 3.692 50 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

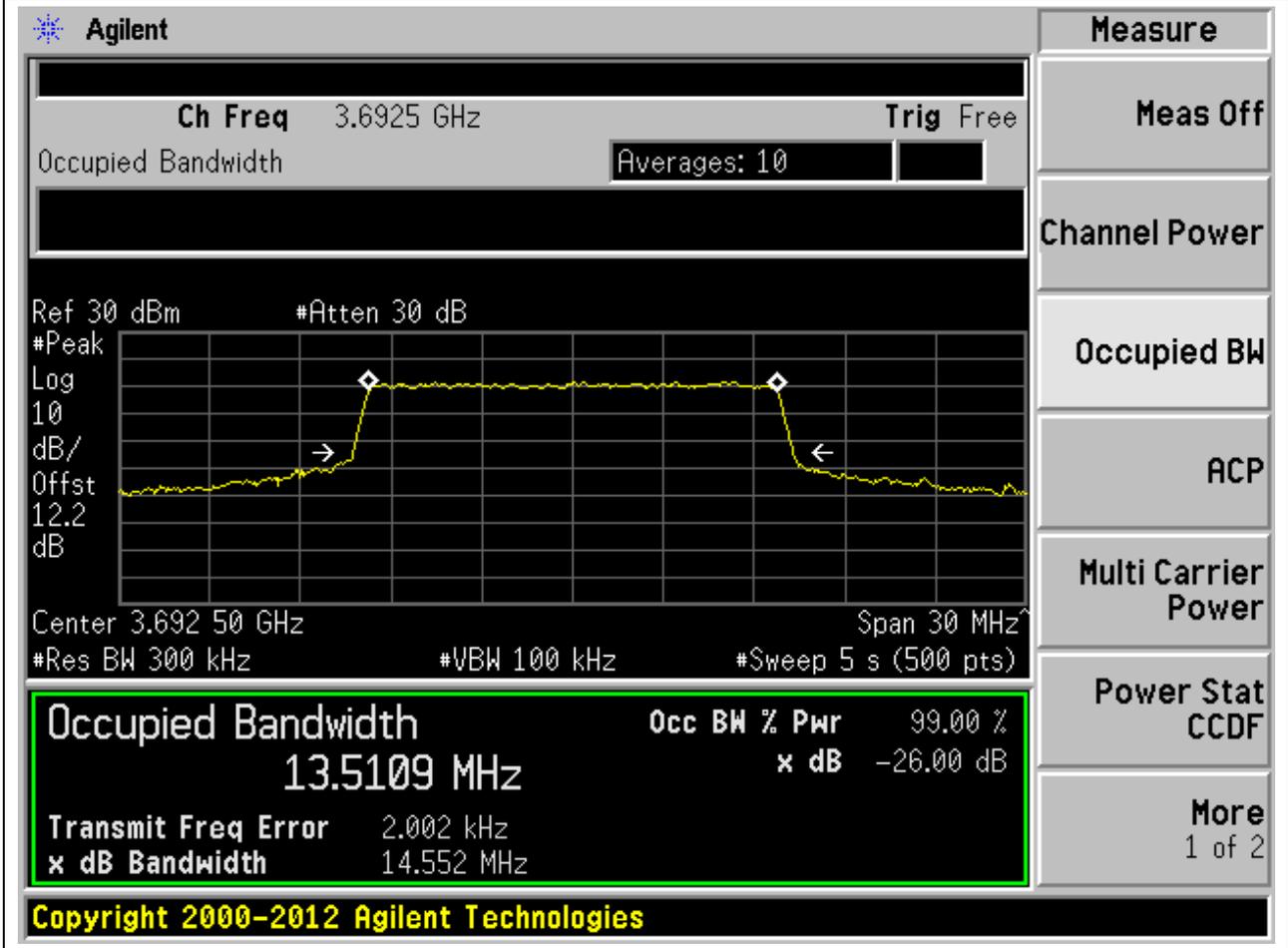
More 1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5206 MHz	x dB -26.00 dB
Transmit Freq Error -3.312 kHz	
x dB Bandwidth 14.516 MHz	

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1.34. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3692.5	99	26	0.3	Peak	13.51	14.55	15	Pass



1.35. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3692.5	99	26	0.3	Peak	13.49	14.52	15	Pass

Agilent

Measure

Ch Freq 3.6925 GHz
Trig Free

Occupied Bandwidth
Averages: 10

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.2

dB

Center 3.692 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4870 MHz	x dB -26.00 dB
Transmit Freq Error -8.171 kHz	
x dB Bandwidth 14.518 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.36. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3692.5	99	26	0.3	Peak	13.52	14.45	15	Pass

Agilent

Measure

Ch Freq 3.6925 GHz
Trig Free

Occupied Bandwidth
Averages: 10

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.2

dB

Center 3.692 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5159 MHz	x dB -26.00 dB
Transmit Freq Error -3.206 kHz	
x dB Bandwidth 14.451 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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1.37. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3560	99	26	0.39	Peak	17.97	19.41	20	Pass

Agilent

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

Ch Freq 3.56 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.560 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9733 MHz	x dB -26.00 dB
Transmit Freq Error 13.898 kHz	
x dB Bandwidth 19.406 MHz	

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1.38. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3560	99	26	0.39	Peak	17.99	19.45	20	Pass

Agilent

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

Ch Freq 3.56 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.560 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9900 MHz	x dB -26.00 dB
Transmit Freq Error -20.252 kHz	
x dB Bandwidth 19.448 MHz	

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1.39. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3560	99	26	0.39	Peak	17.99	19.68	20	Pass

Agilent

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

Ch Freq 3.56 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.560 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9946 MHz	x dB -26.00 dB
Transmit Freq Error -1.960 kHz	
x dB Bandwidth 19.679 MHz	

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1.40. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3560	99	26	0.39	Peak	17.97	19.33	20	Pass

Agilent

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

Ch Freq 3.56 GHz
Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.560 00 GHz Span 40 MHz

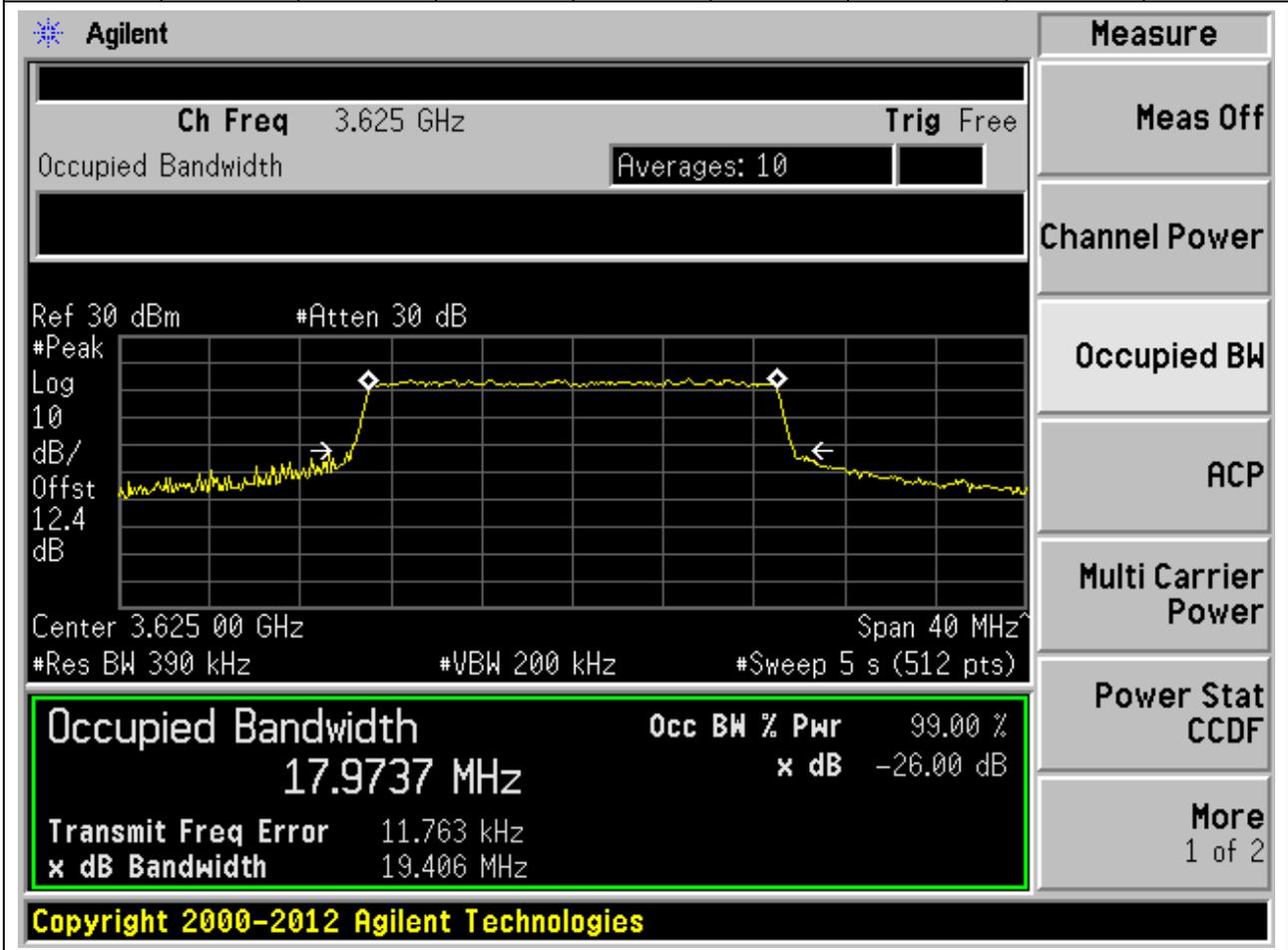
#Res BW 390 kHz #VBW 200 kHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9726 MHz	x dB -26.00 dB
Transmit Freq Error -9.021 kHz	
x dB Bandwidth 19.334 MHz	

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1.41. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.39	Peak	17.97	19.41	20	Pass



1.42. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.39	Peak	17.99	19.45	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.625 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9864 MHz	x dB	-26.00 dB
Transmit Freq Error		-17.560 kHz
x dB Bandwidth		19.446 MHz

Additional parameters shown in the interface include: Ch Freq 3.625 GHz, Trig Free, Averages: 10, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.4 dB, #Res BW 390 kHz, #VBW 200 kHz, #Sweep 5 s (512 pts), and Span 40 MHz. The right-hand side of the interface features a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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1.43. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.39	Peak	17.98	19.68	20	Pass

Agilent

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.4 dB

Center 3.625 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9788 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.020 kHz
x dB Bandwidth		19.678 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.44. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3625	99	26	0.39	Peak	17.95	19.21	20	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 3.625 GHz with a span of 40 MHz. The vertical axis is labeled 'dB/Offst' with a reference of 30 dBm and an offset of 12.4 dB. The horizontal axis is labeled 'MHz' with a resolution bandwidth of 390 kHz. The plot shows a signal with a peak at approximately 3.625 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9521 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -3.498 kHz and the 'x dB Bandwidth' is 19.211 MHz. The interface also shows various measurement settings such as 'Averages: 10', 'Ref 30 dBm', '#Atten 30 dB', and 'Span 40 MHz'. The 'Measure' menu is open, showing options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9521 MHz	99.00 %	-26.00 dB

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1.45. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3690	99	26	0.39	Peak	17.97	19.42	20	Pass

Agilent

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

Ch Freq 3.69 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.2 dB

Center 3.690 00 GHz Span 40 MHz

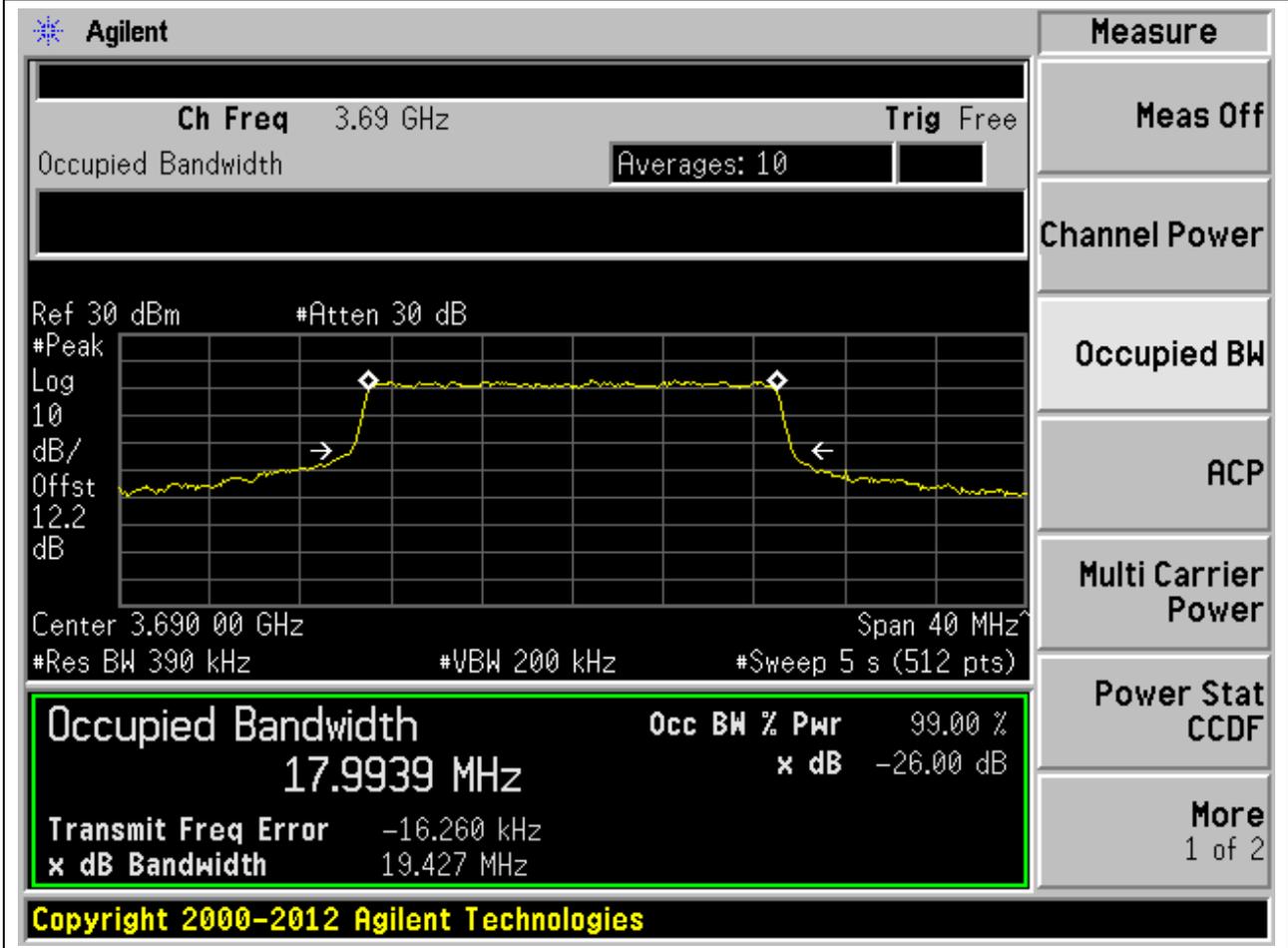
#Res BW 390 kHz #VBW 200 kHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9716 MHz	x dB -26.00 dB
Transmit Freq Error 11.000 kHz	
x dB Bandwidth 19.418 MHz	

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1.46. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3690	99	26	0.39	Peak	17.99	19.43	20	Pass



1.47. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3690	99	26	0.39	Peak	17.98	19.69	20	Pass

Agilent
Measure

Ch Freq 3.69 GHz Trig Free

Occupied Bandwidth Averages: 10

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.2 dB

Center 3.690 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 5 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

17.9825 MHz

Transmit Freq Error -12.831 kHz

x dB Bandwidth 19.691 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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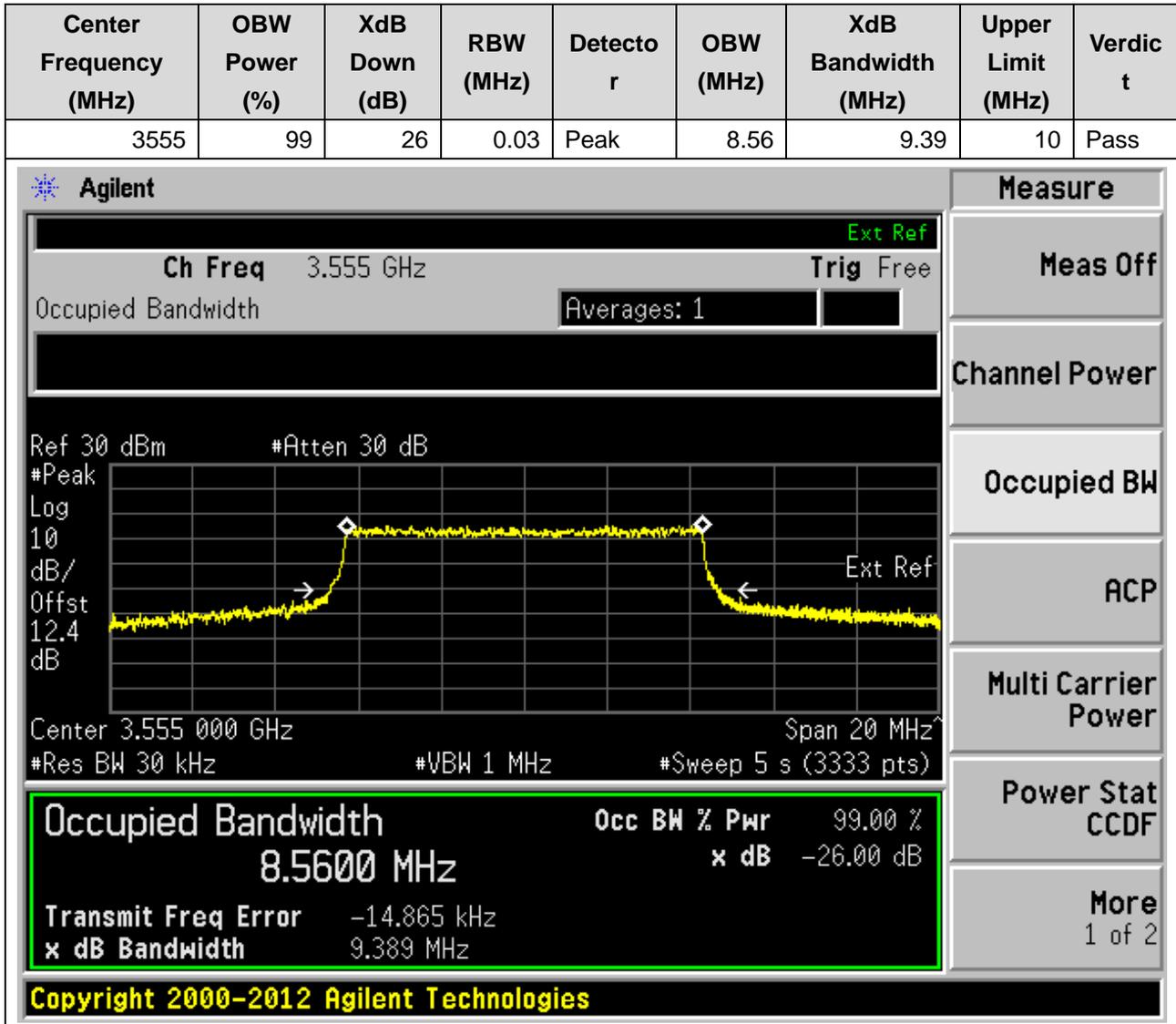
1.48. LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3690	99	26	0.39	Peak	17.97	19.17	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.69 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.2 dB, Center 3.690 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 200 kHz, #Sweep 5 s (512 pts). A green box highlights the measurement results: Occupied Bandwidth 17.9682 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error -11.644 kHz, and x dB Bandwidth 19.168 MHz. On the right side, there is a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More 1 of 2. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

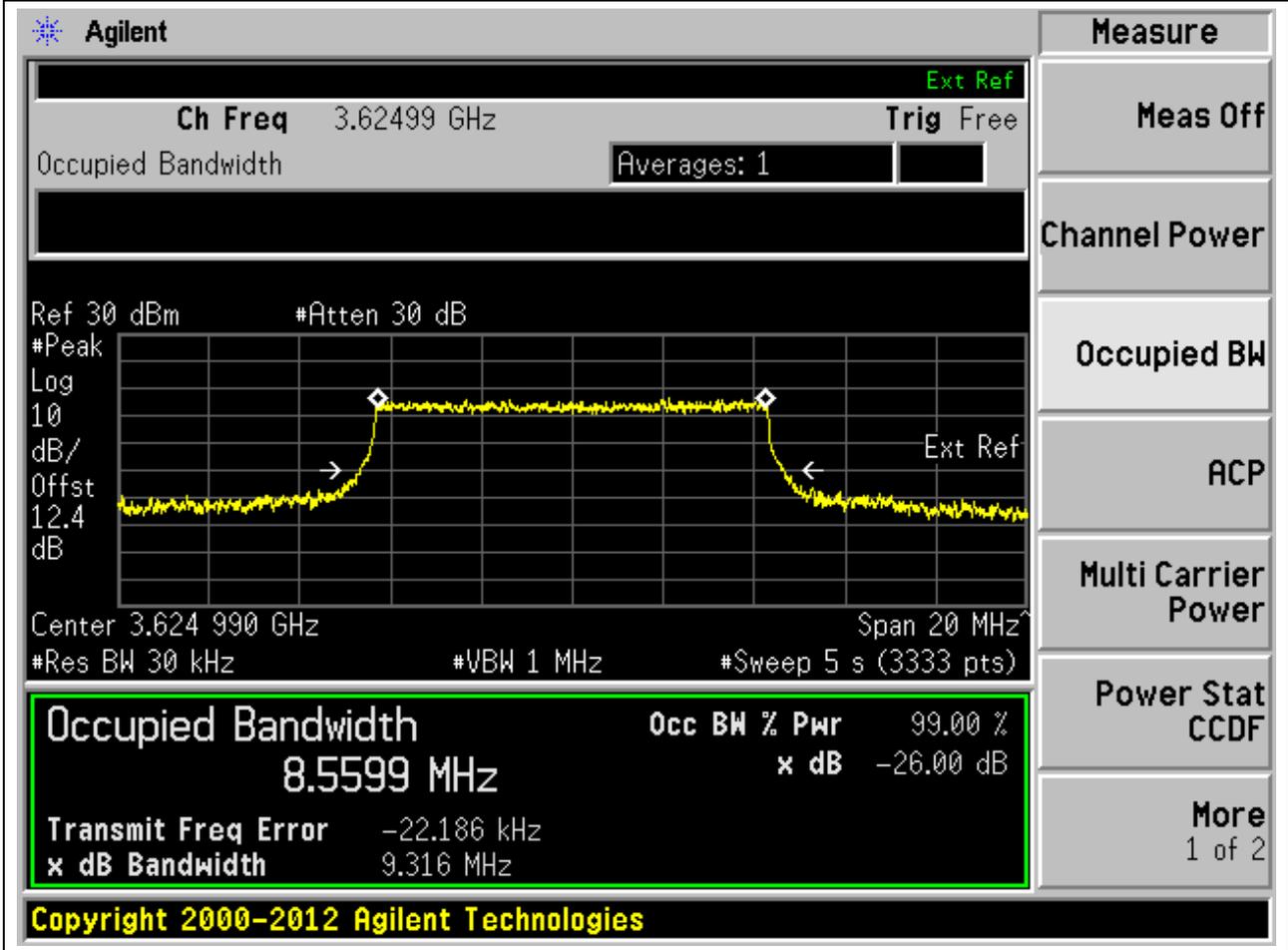
1. n48 30kHz

1.1. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)



1.2. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3624.99	99	26	0.03	Peak	8.56	9.32	10	Pass



1.3. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646332, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:24, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3694.98	99	26	0.03	Peak	8.55	9.29	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.5539 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.530 kHz
x dB Bandwidth	9.286 MHz

Other visible parameters include: Ch Freq 3.69498 GHz, Res BW 30 kHz, Span 20 MHz, and a copyright notice for Agilent Technologies from 2000-2012.

1.4. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637000, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3555	99	26	0.03	Peak	8.57	9.22	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.555 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5704 MHz, which is 99.00% of the channel bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -17.489 kHz, and the XdB Bandwidth is 9.224 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 %
8.5704 MHz	x dB	-26.00 dB
Transmit Freq Error	-17.489 kHz	
x dB Bandwidth	9.224 MHz	

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1.5. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3624.99	99	26	0.03	Peak	8.57	9.24	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 3.62499 GHz with a span of 20 MHz. The vertical axis is labeled 'dB/Offst' with a value of 12.4 dB. The horizontal axis is labeled 'Center' with a value of 3.624990 GHz. The plot shows a signal with a peak at approximately 3.62499 GHz. The 'Occupied Bandwidth' is measured as 8.5668 MHz, which is 99.00% of the power. The 'x dB Bandwidth' is 9.238 MHz. The 'Transmit Freq Error' is -16.991 kHz. The 'Power Stat' is CCDF. The 'More' button shows 1 of 2 pages.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.5668 MHz	x dB	-26.00 dB
Transmit Freq Error	-16.991 kHz	
x dB Bandwidth	9.238 MHz	

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1.6. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646332, Bandwidth:10, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:24, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3694.98	99	26	0.03	Peak	8.57	9.26	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.69498 GHz. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and the x-axis is 'Center'. The plot shows a signal with a flat top and sloping sides, characteristic of a modulated signal. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 8.5684 MHz. Other parameters shown include 'Occ BW % Pwr' at 99.00% and 'x dB' at -26.00 dB. The 'Transmit Freq Error' is -17.061 kHz and the 'x dB Bandwidth' is 9.258 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.5684 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -17.061 kHz
x dB Bandwidth: 9.258 MHz

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1.7. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637000, 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
3555	99	26	0.03	Peak	8.56	9.24	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.555 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.5569 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -15.775 kHz, and the XdB bandwidth is 9.239 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 %
8.5569 MHz	x dB	-26.00 dB
Transmit Freq Error	-15.775 kHz	
x dB Bandwidth	9.239 MHz	

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1.8. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, 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
3624.99	99	26	0.03	Peak	8.57	9.26	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows the channel frequency as 3.62499 GHz. The main display area shows a spectrum plot with a yellow trace. The plot is set to a logarithmic scale (Log 10) and has a reference level of 30 dBm. The occupied bandwidth is highlighted with a green box, showing a value of 8.5690 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. Other parameters shown include a transmit frequency error of -7.548 kHz and an XdB bandwidth of 9.262 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.5690 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.548 kHz	
x dB Bandwidth	9.262 MHz	

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1.9. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646332, 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
3694.98	99	26	0.03	Peak	8.55	9.24	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.69498 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 12.5 dB, Center 3.694 980 GHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, and #Sweep 5 s (3333 pts). A green box highlights the measurement results: Occupied Bandwidth 8.5538 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error -13.290 kHz, and x dB Bandwidth 9.238 MHz. The right sidebar contains measurement options: Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

1.10. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637000, 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
3555	99	26	0.03	Peak	8.56	9.4	10	Pass

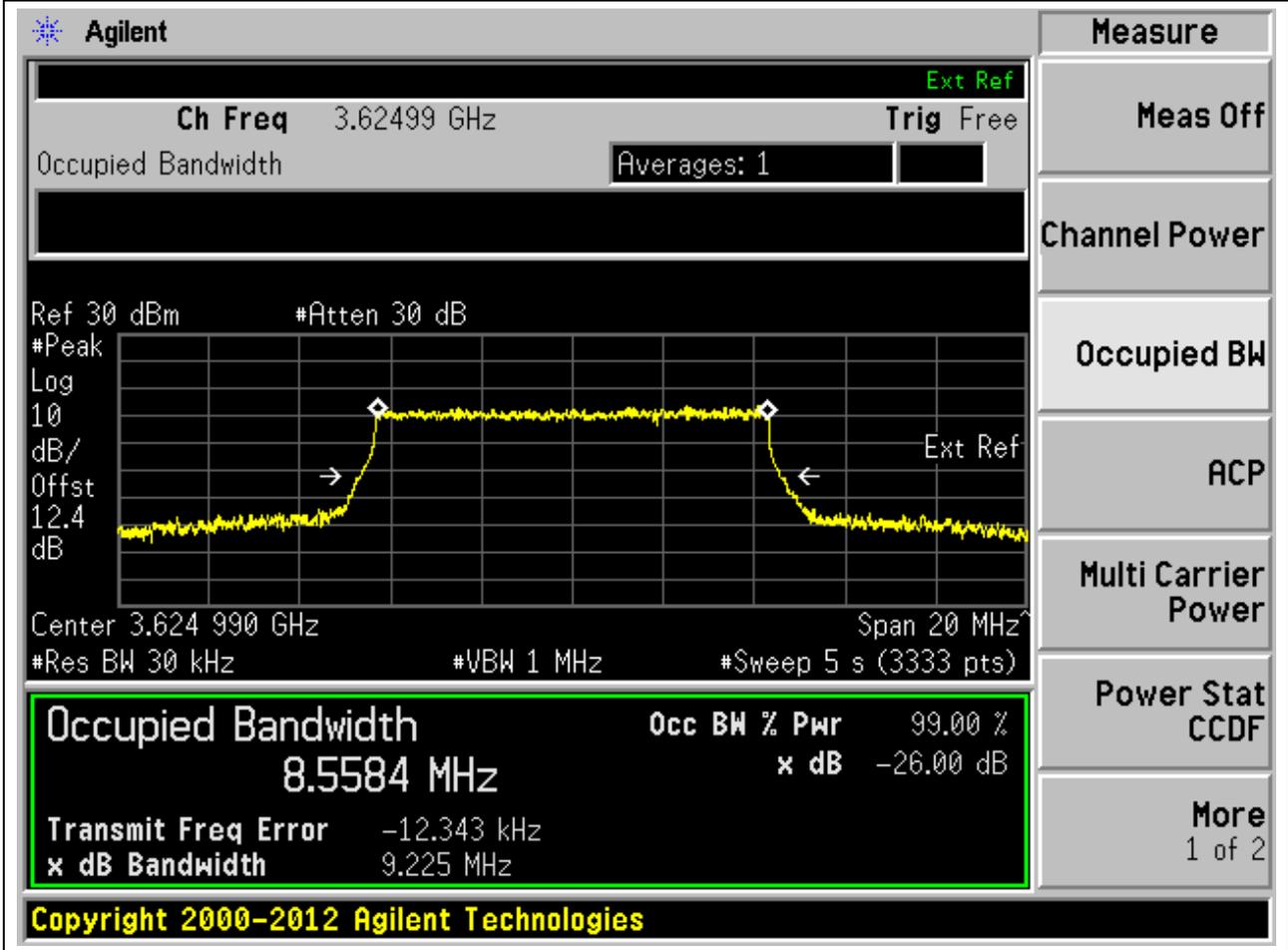
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.555 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.558 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -14.165 kHz, and the x dB bandwidth is 9.397 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 %
8.5582 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.165 kHz	
x dB Bandwidth	9.397 MHz	

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1.11. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, 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
3624.99	99	26	0.03	Peak	8.56	9.22	10	Pass



1.12. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646332, 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
3694.98	99	26	0.03	Peak	8.56	9.39	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 3.69498 GHz. The occupied bandwidth is measured as 8.558 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -10.661 kHz and the XdB bandwidth is 9.388 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 %
8.5582 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.661 kHz	
x dB Bandwidth	9.388 MHz	

1.13. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637334, 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
3560.01	99	26	0.03	Peak	18.16	19.08	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.56001 GHz. The occupied bandwidth is measured as 18.1630 MHz, which is 99.00% of the 19.076 MHz bandwidth. The XdB Down is -26.00 dB. The transmit frequency error is -12.734 kHz. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1630 MHz	x dB	-26.00 dB
Transmit Freq Error		-12.734 kHz
x dB Bandwidth		19.076 MHz

1.14. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, 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
3624.99	99	26	0.03	Peak	18.18	18.92	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.62499 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Atten 30 dB, Log 10 dB/Offst 12.4 dB, Center 3.624 990 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, and #Sweep 5 s (6666 pts). The Occupied Bandwidth measurement results are highlighted in a green box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1761 MHz	x dB	-26.00 dB
Transmit Freq Error		-12.775 kHz
x dB Bandwidth		18.916 MHz

On the right side of the interface, there is a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

1.15. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)

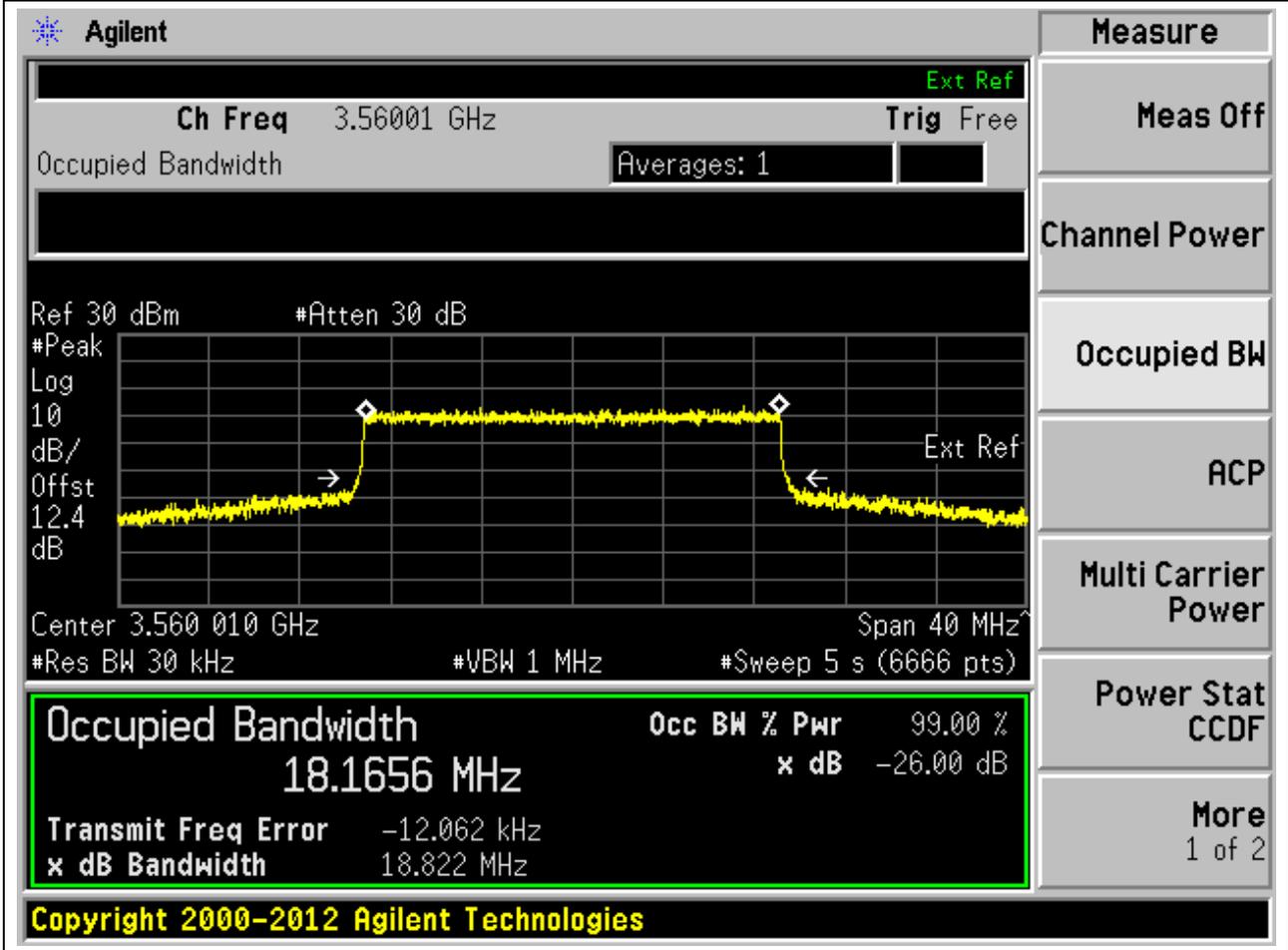
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3690	99	26	0.03	Peak	18.18	18.83	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.69 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1777 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -14.442 kHz, and the XdB bandwidth is 18.831 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1777 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.442 kHz	
x dB Bandwidth	18.831 MHz	

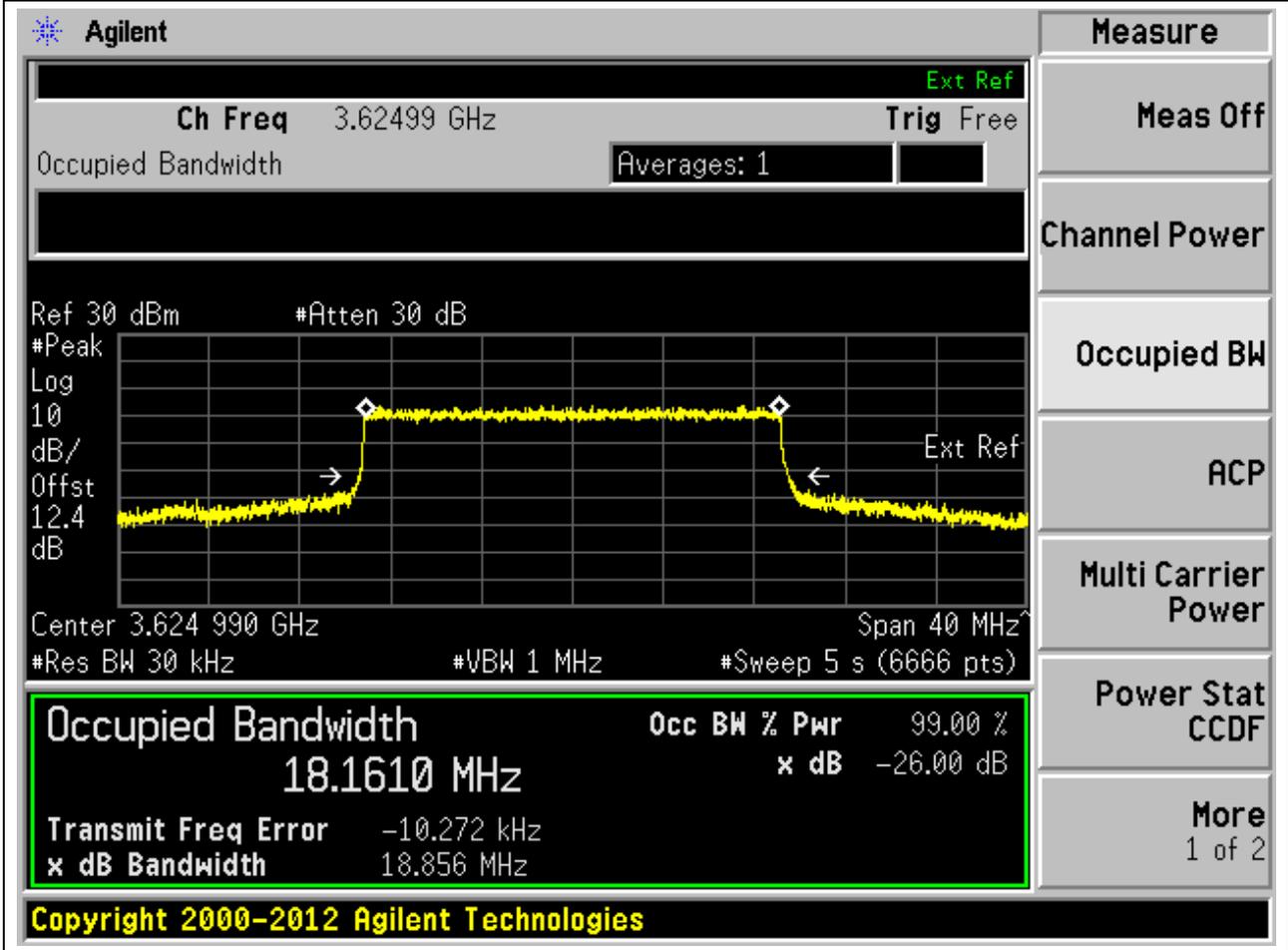
1.16. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3560.01	99	26	0.03	Peak	18.17	18.82	20	Pass



1.17. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, 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
3624.99	99	26	0.03	Peak	18.16	18.86	20	Pass



1.18. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646000, 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
3690	99	26	0.03	Peak	18.19	18.95	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

Measurement	Value	Unit
Occupied Bandwidth	18.1939	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	-16.522	kHz
x dB Bandwidth	18.951	MHz

Additional parameters shown in the interface include: Ch Freq 3.69 GHz, Res BW 30 kHz, Span 40 MHz, and Sweep 5 s (6666 pts). The interface also features a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'.

1.19. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637334, 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
3560.01	99	26	0.03	Peak	18.2	18.87	20	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	18.1988 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-157.876 Hz
x dB Bandwidth	18.870 MHz

Other visible parameters include: Ch Freq 3.56001 GHz, Res BW 30 kHz, Span 40 MHz, and a 'Pass' verdict.

1.20. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, 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
3624.99	99	26	0.03	Peak	18.18	19.01	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 3.62499 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1825 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -12.793 kHz, and the XdB bandwidth is 19.008 MHz. The interface includes various control buttons on the right side, such as 'Measure', 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1825 MHz	x dB	-26.00 dB
Transmit Freq Error	-12.793 kHz	
x dB Bandwidth	19.008 MHz	

1.21. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646000, 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
3690	99	26	0.03	Peak	18.17	18.95	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The measurement results are summarized in a table below the plot:

Measurement	Value
Occupied Bandwidth	18.1711 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-24.089 kHz
x dB Bandwidth	18.955 MHz

Additional parameters shown in the interface include: Ch Freq 3.69 GHz, Res BW 30 kHz, VBW 1 MHz, Span 40 MHz, Sweep 5 s (6666 pts), and a copyright notice for Agilent Technologies from 2000-2012.

1.22. Occupied Bandwidth for SA_Part96(NTNV)(Channel:637334, 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
3560.01	99	26	0.03	Peak	18.15	18.81	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 3.56001 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1472 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 6.045 kHz, and the XdB bandwidth is 18.805 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	x dB
18.1472 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 6.045 kHz
x dB Bandwidth: 18.805 MHz

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1.23. Occupied Bandwidth for SA_Part96(NTNV)(Channel:641666, 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
3624.99	99	26	0.03	Peak	18.16	18.83	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.62499 GHz. The occupied bandwidth is measured as 18.1554 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The plot shows a flat signal with some noise, and the occupied bandwidth is indicated by two vertical lines on the plot.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.1554 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 3.62499 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.4 dB, Center 3.624990 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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1.24. Occupied Bandwidth for SA_Part96(NTNV)(Channel:646000, 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
3690	99	26	0.03	Peak	18.16	18.84	20	Pass

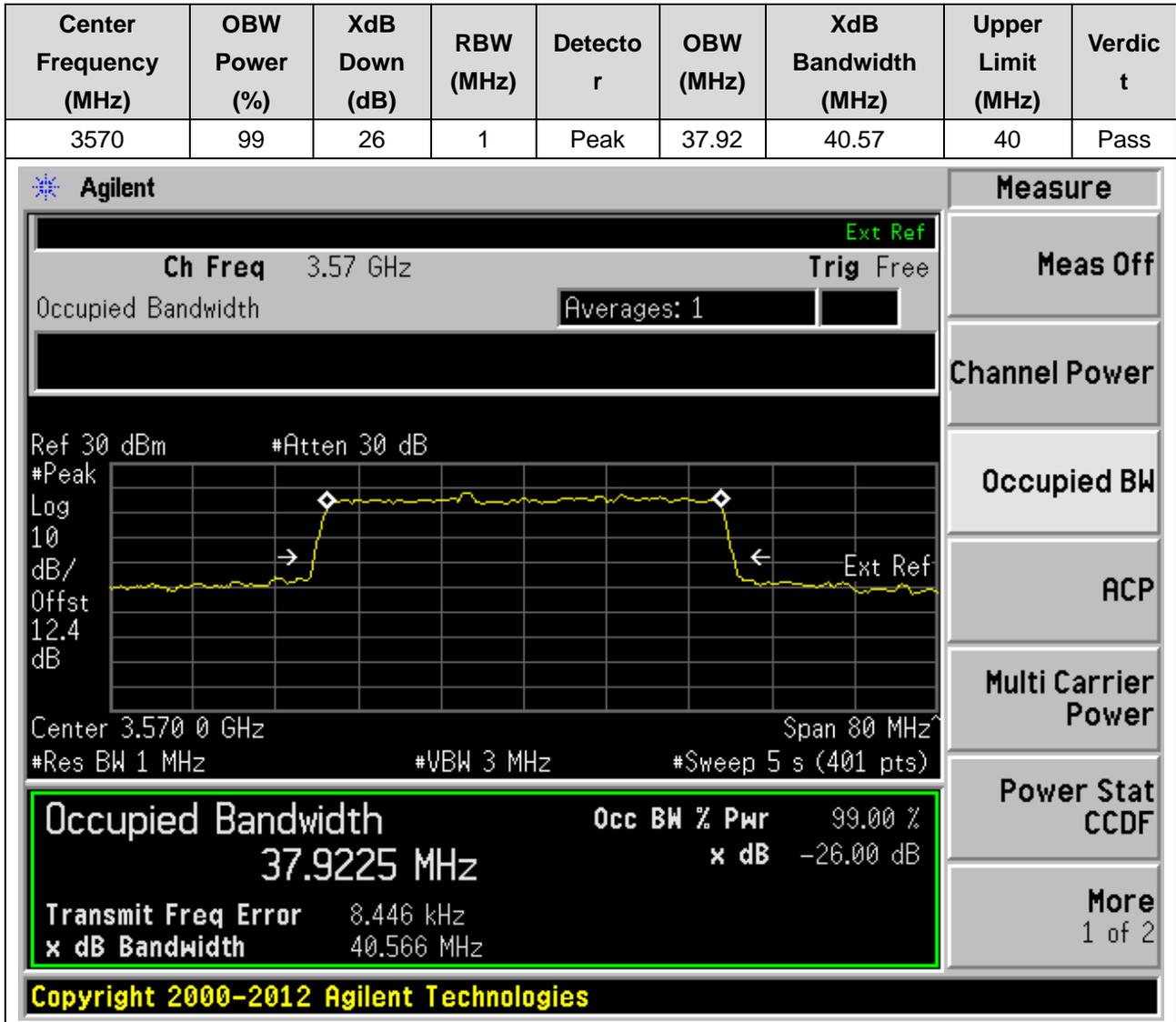
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.69 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.1617 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.1617 MHz	x dB	-26.00 dB
Transmit Freq Error	2.540 kHz	
x dB Bandwidth	18.837 MHz	

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1. n48 30kHz

1.1. Occupied Bandwidth for SA_Part96(Channel:638000, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)



1.2. Occupied Bandwidth for SA_Part96(Channel:641666, 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
3624.99	99	26	1	Peak	37.91	40.47	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.6250 GHz and a span of 80 MHz. The resolution bandwidth (RBW) is 3 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The plot shows a signal with a peak level of approximately -26.00 dB. The occupied bandwidth is measured as 37.9054 MHz, which is 99.00% of the 40 MHz channel bandwidth. The transmit frequency error is 29.797 kHz. The x-axis is labeled 'dB/Offst' and the y-axis is labeled 'Log 10 dB/Offst 12.4 dB'. The plot also shows a reference level at 30 dB and an attenuation of 30 dB. The 'Ext Ref' label is visible on the right side of the plot.

Occupied Bandwidth	Occ BW % Pwr	x dB
37.9054 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 29.797 kHz
 x dB Bandwidth: 40.471 MHz

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1.3. Occupied Bandwidth for SA_Part96(Channel:645332, 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
3679.98	99	26	1	Peak	37.91	40.44	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.67998 GHz. The occupied bandwidth is 37.9110 MHz, which is 99.00% of the 40 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -13.174 kHz. The XdB bandwidth is 40.436 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 %
37.9110 MHz	x dB	-26.00 dB
Transmit Freq Error		-13.174 kHz
x dB Bandwidth		40.436 MHz

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1.4. Occupied Bandwidth for SA_Part96(Channel:638000, 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
3570	99	26	1	Peak	38.19	40.83	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	38.1950 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	72.246 kHz
x dB Bandwidth	40.829 MHz

Other visible parameters include: Ch Freq 3.57 GHz, Res BW 1 MHz, VBW 3 MHz, Span 80 MHz, Sweep 5 s (401 pts), and a 'Pass' verdict.

1.5. Occupied Bandwidth for SA_Part96(Channel:641666, 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
3624.99	99	26	1	Peak	38.2	40.82	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 3.6250 GHz with a span of 80 MHz. The resolution bandwidth (RBW) is 3 MHz and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 38.2048 MHz, which is 99.00% of the 40 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 80.124 kHz. The XdB bandwidth is 40.820 MHz. The interface also shows various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.2048 MHz	x dB	-26.00 dB
Transmit Freq Error	80.124 kHz	
x dB Bandwidth	40.820 MHz	

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1.6. Occupied Bandwidth for SA_Part96(Channel:645332, 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
3679.98	99	26	1	Peak	38.19	40.82	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.67998 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 12.4 dB, Center 3.680 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, and #Sweep 5 s (401 pts). A green box highlights the measurement results: Occupied Bandwidth 38.1924 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error 68.110 kHz, and x dB Bandwidth 40.820 MHz. 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.

1.7. Occupied Bandwidth for SA_Part96(Channel:638000, 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
3570	99	26	1	Peak	38.1	40.83	40	Pass

Agilent Measure

Ch Freq 3.57 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.4 dB

Center 3.570 0 GHz Span 80 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

38.0991 MHz x dB -26.00 dB

Transmit Freq Error 60.076 kHz

x dB Bandwidth 40.830 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.8. Occupied Bandwidth for SA_Part96(Channel:641666, 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
3624.99	99	26	1	Peak	38.11	40.81	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.6250 GHz and a span of 80 MHz. The resolution bandwidth (RBW) is 3 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 38.1074 MHz, which is 99.00% of the 40 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 62.529 kHz, and the XdB bandwidth is 40.808 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.1074 MHz	x dB	-26.00 dB
Transmit Freq Error	62.529 kHz	
x dB Bandwidth	40.808 MHz	

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1.9. Occupied Bandwidth for SA_Part96(Channel:645332, 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
3679.98	99	26	1	Peak	38.09	40.77	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.6800 GHz and a span of 80 MHz. The resolution bandwidth (RBW) is 3 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds with 401 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 38.0878 MHz, which is 99.00% of the 40 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 57.829 kHz. The XdB bandwidth is 40.768 MHz. The interface also shows various measurement settings such as Ch Freq (3.67998 GHz), Trig (Free), and Averages (1). The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.0878 MHz	x dB	-26.00 dB
Transmit Freq Error	57.829 kHz	
x dB Bandwidth	40.768 MHz	

1.10. Occupied Bandwidth for SA_Part96(Channel:638000, 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
3570	99	26	1	Peak	38	40.63	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.57 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Atten 30 dB, Log 10 dB/Offst 12.4 dB, Center 3.570 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, and #Sweep 5 s (401 pts). The measurement results are highlighted in a green box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.0017 MHz	x dB	-26.00 dB
Transmit Freq Error		-24.804 kHz
x dB Bandwidth		40.626 MHz

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

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1.11. Occupied Bandwidth for SA_Part96(Channel:641666, 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
3624.99	99	26	1	Peak	38.02	40.65	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.62499 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, an attenuation of 30 dB, a resolution bandwidth of 1 MHz, and a video bandwidth of 3 MHz. The span is 80 MHz. The measurement results are highlighted in a green box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
38.0188 MHz	x dB	-26.00 dB
Transmit Freq Error		-16.002 kHz
x dB Bandwidth		40.649 MHz

Additional parameters shown include: Center 3.625 0 GHz, Span 80 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts). The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

1.12. Occupied Bandwidth for SA_Part96(Channel:645332, 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
3679.98	99	26	1	Peak	38.01	40.69	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 3.6800 GHz with a span of 80 MHz. The resolution bandwidth (RBW) is 3 MHz and the video bandwidth (VBW) is 3 MHz. The sweep time is 5 seconds (401 points). The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 38.0149 MHz, which is 99.00% of the channel bandwidth. The transmit frequency error is -27.764 kHz. The x-axis is labeled 'dB/Offst' and the y-axis is labeled 'Log 10 dB/Offst 12.4 dB'. The plot also shows 'Ext Ref' markers and a '#Atten 30 dB' setting.

Measure

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

Occupied Bandwidth 38.0149 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -27.764 kHz
x dB Bandwidth 40.688 MHz

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