

**10.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.963	9.802	10	Pass

Agilent
Measure

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.96 dB

Center 829.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9631 MHz**

Transmit Freq Error 846.158 Hz

x dB Bandwidth 9.802 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**10.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.963	9.804	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.9633 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-6.547 kHz
x dB Bandwidth	9.804 MHz

Additional parameters shown in the interface include: Ch Freq 836.5 MHz, Trig Free, Averages: 2, Ref 28.95 dBm, #Atten 30 dB, Center 836.50 MHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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**10.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.954	9.8	10	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 836.50 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9542 MHz**

Transmit Freq Error -3.552 kHz

x dB Bandwidth 9.800 MHz

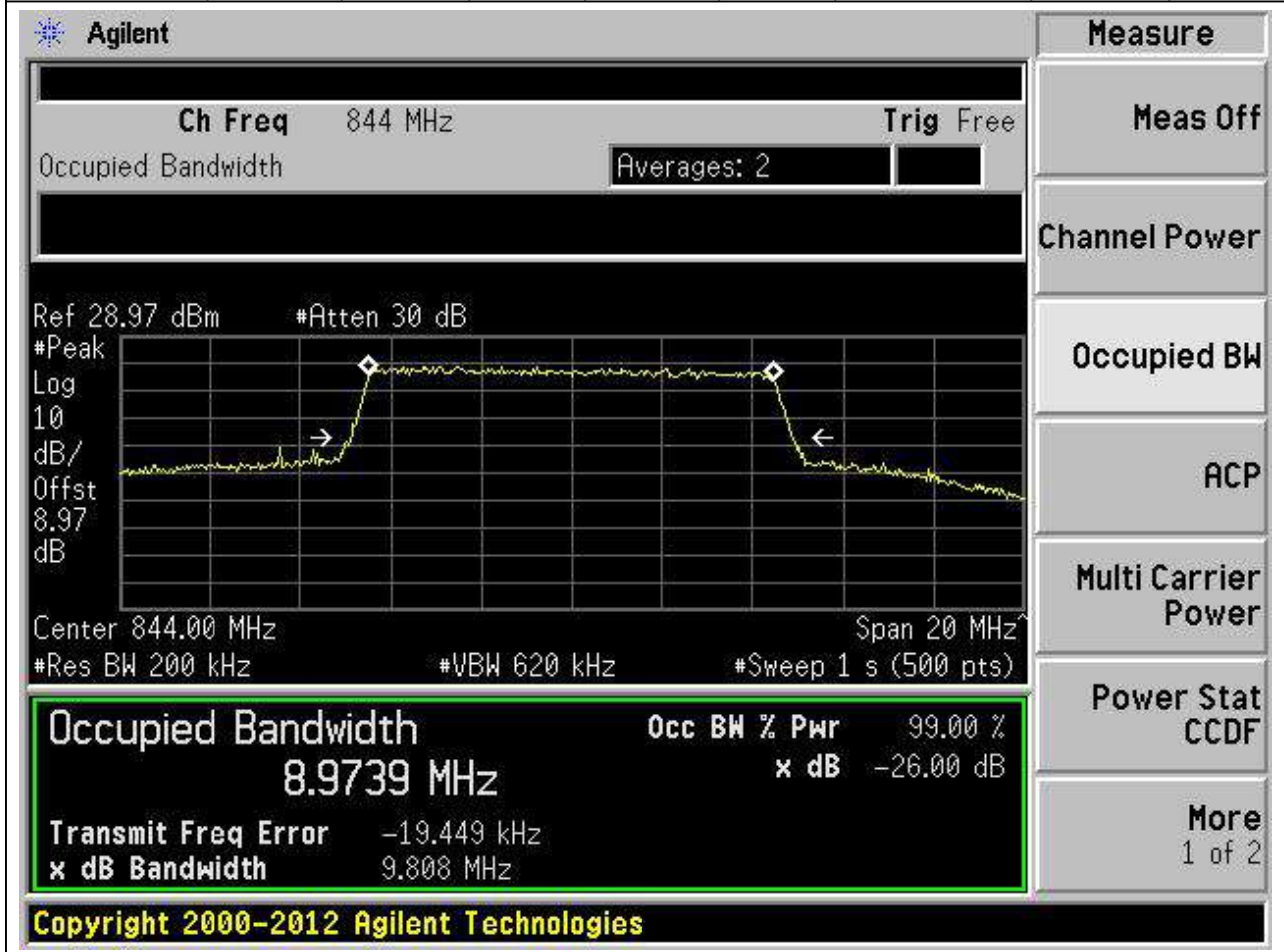
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**10.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.974	9.808	10	Pass



**10.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.962	9.96	10	Pass

**Agilent**

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.97 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.97 dB

Center 844.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9625 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-24.792 kHz
<b>x dB Bandwidth</b>		9.960 MHz

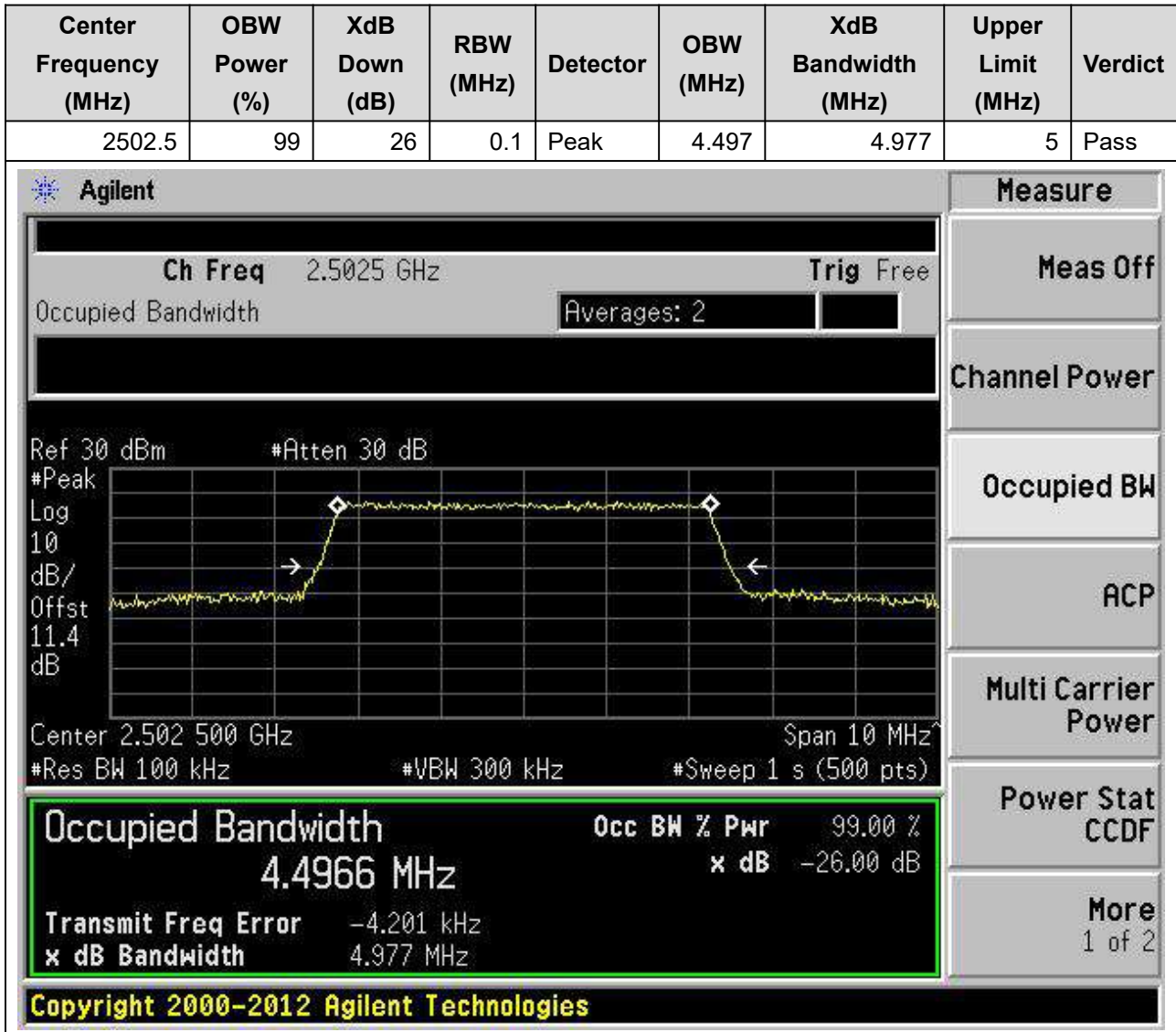
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**Measure**

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

## 11. LTE\_Band7

### 11.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



**11.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.492	4.935	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5025 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '11.4 dB'. The plot shows a signal with a peak at approximately 2.5025 GHz. The 'Occupied Bandwidth' is highlighted in green, showing a value of 4.4920 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error -2.157 kHz' and 'x dB Bandwidth 4.935 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

**Measure**

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

**Occupied Bandwidth** 4.4920 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

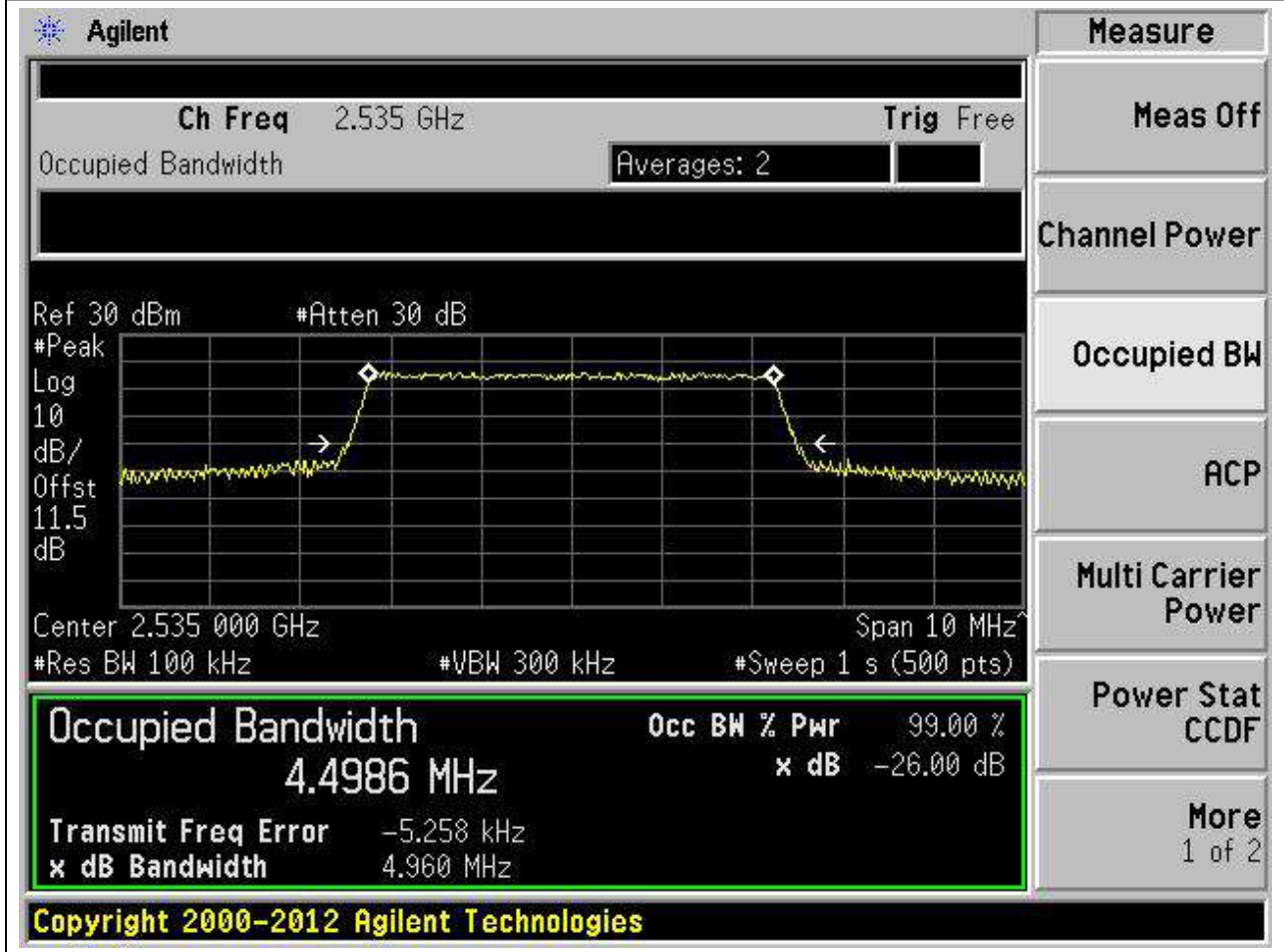
**Transmit Freq Error** -2.157 kHz

**x dB Bandwidth** 4.935 MHz

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**11.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.499	4.96	5	Pass





**11.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.496	4.958	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 2.535 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted as 4.4962 MHz. The power level is 99.00% and the XdB down 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'.

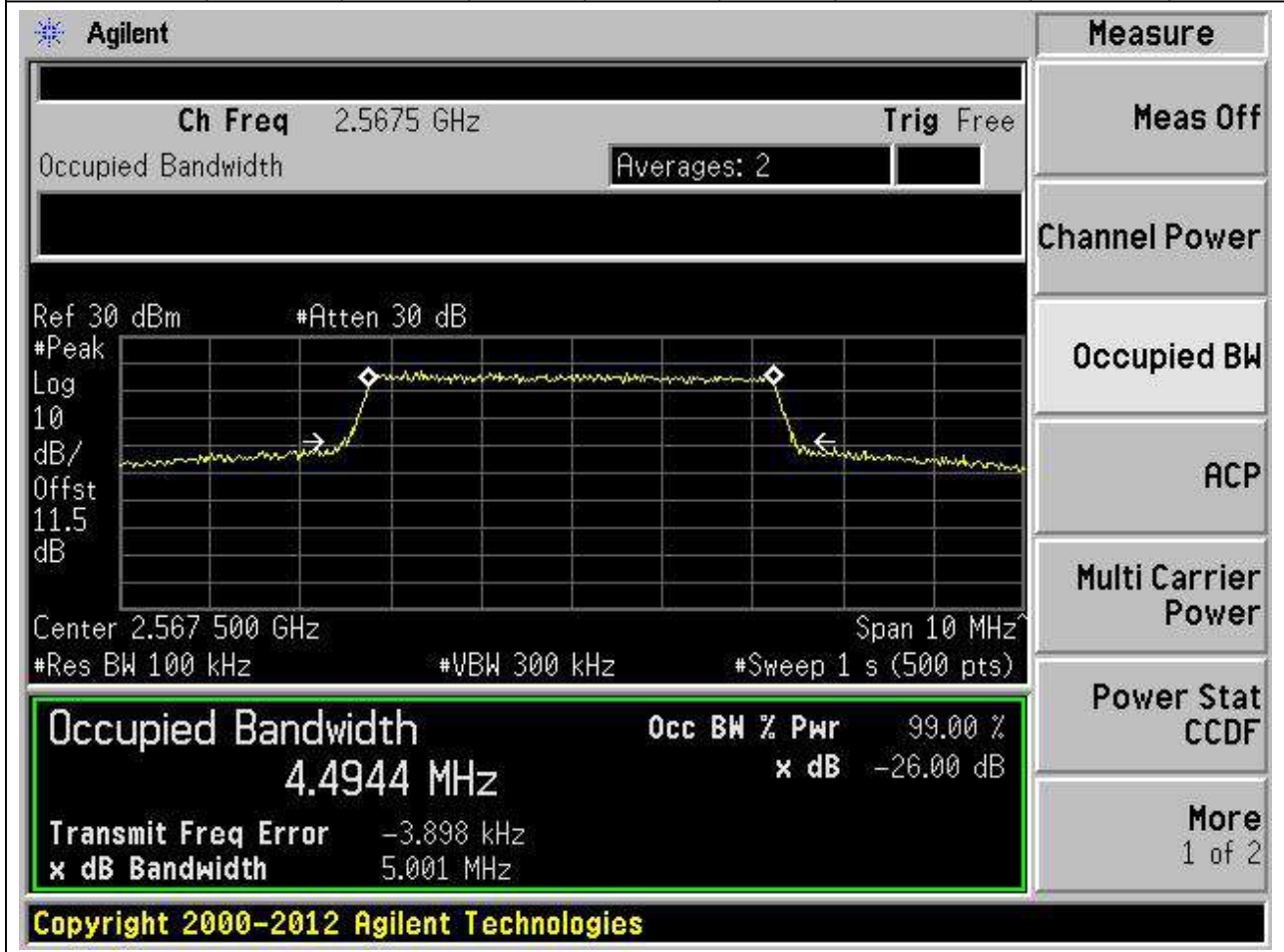
Occupied Bandwidth	Occ BW % Pwr	x dB
4.4962 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -4.003 kHz  
x dB Bandwidth: 4.958 MHz

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**11.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.494	5.001	5	Pass



**11.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.503	4.996	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 2.5675 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.5026 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -2.276 kHz. The XdB bandwidth is 4.996 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'.

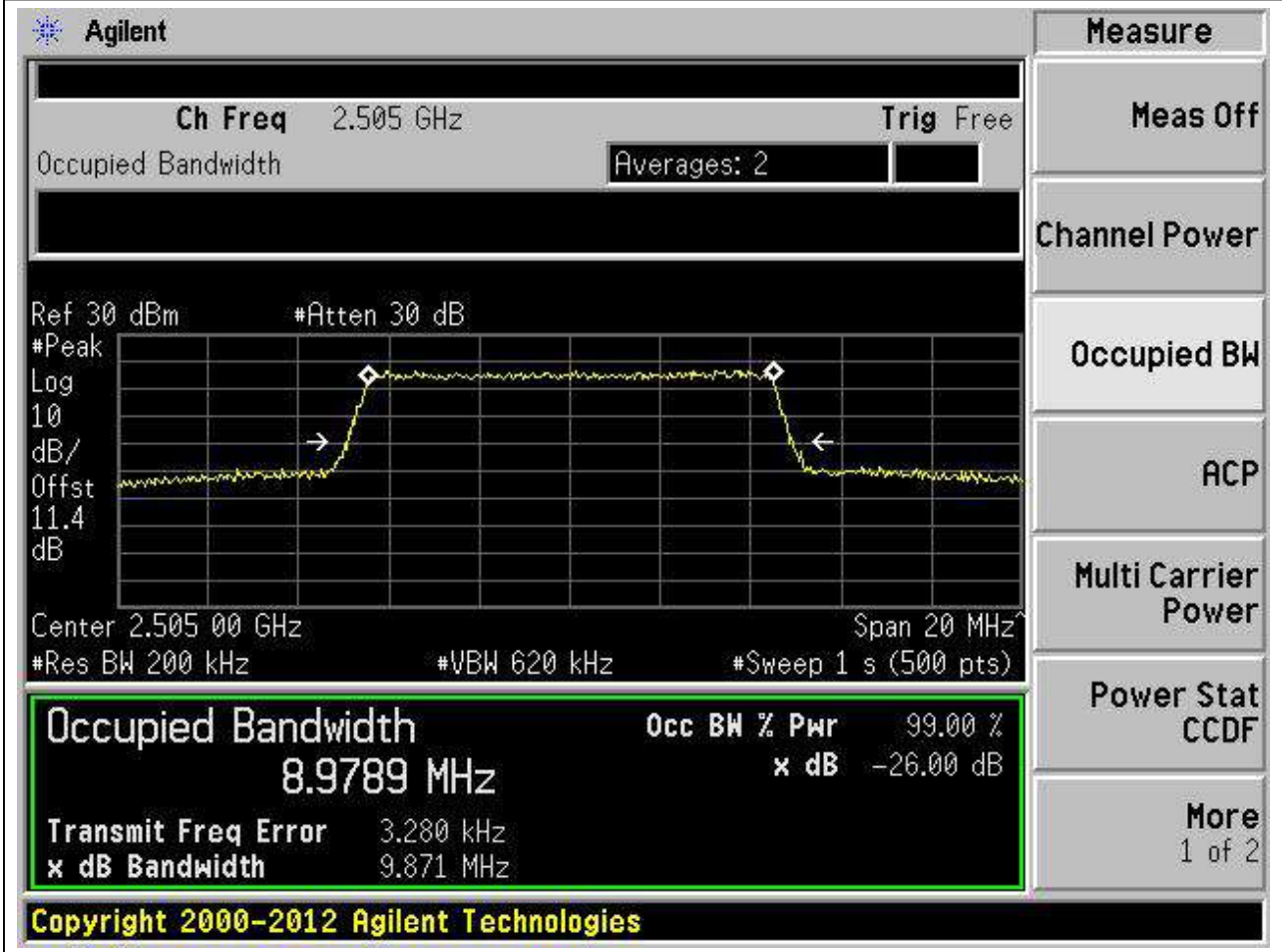
Occupied Bandwidth	Occ BW % Pwr	x dB
4.5026 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -2.276 kHz  
x dB Bandwidth: 4.996 MHz

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**11.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.979	9.871	10	Pass



**11.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.956	9.831	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.9557 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	9.670 kHz
x dB Bandwidth	9.831 MHz

Additional parameters shown in the interface include: Ch Freq 2.505 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, Center 2.505 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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**11.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.963	9.796	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is titled 'Occupied Bandwidth' and shows a signal centered at 2.535 GHz. The plot parameters include: Ref 30 dBm, #Peak, Log, 10 dB/Offst, 11.5 dB, Center 2.535 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, and #Sweep 1 s (500 pts). The plot shows a signal with a peak at approximately 2.535 GHz and a bandwidth of 8.963 MHz. The signal is measured at -26.00 dB relative to the reference level.

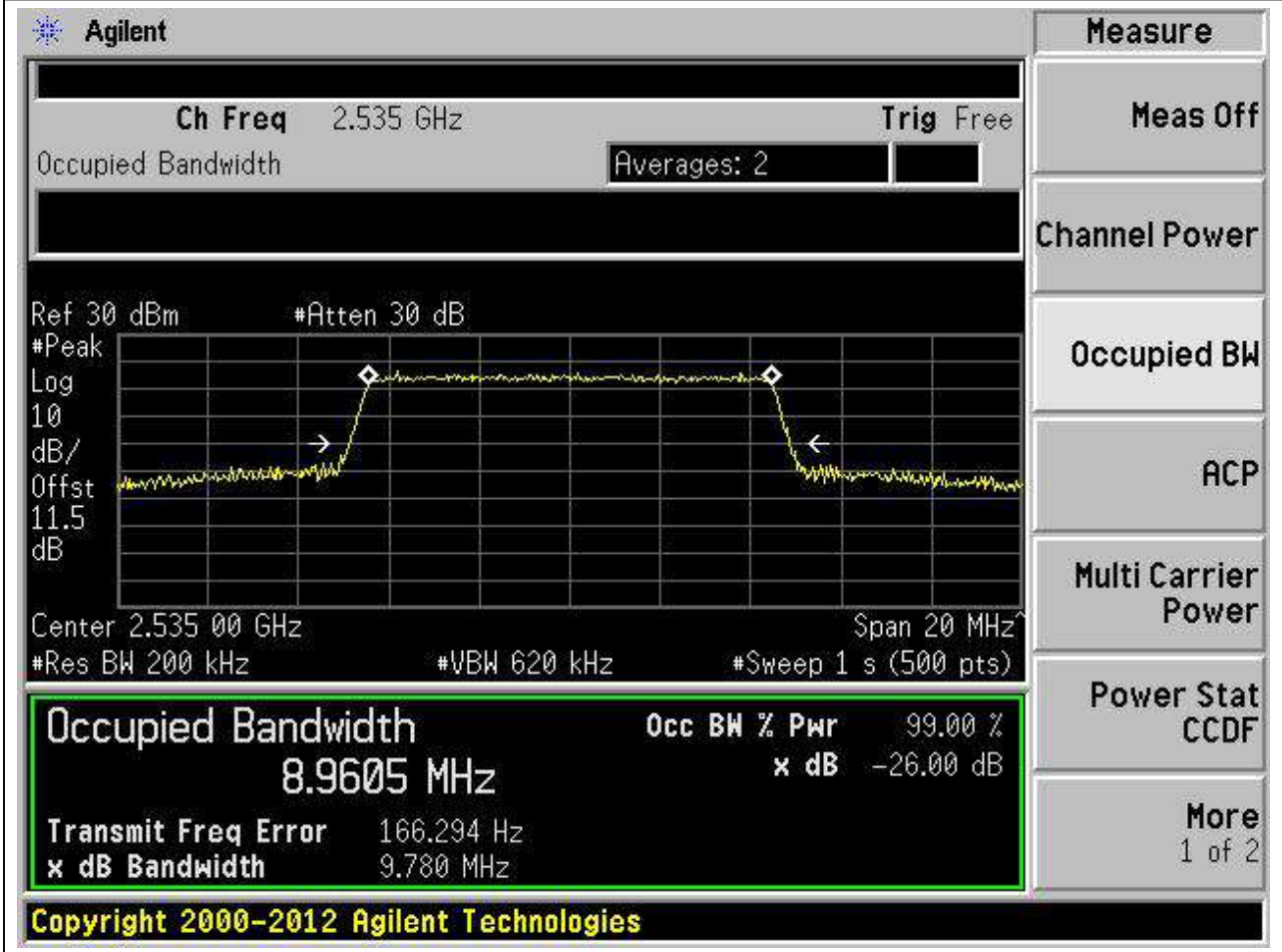
The measurement results are displayed in a table at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9630 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.553 kHz	
x dB Bandwidth	9.796 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 copyright notice at the bottom reads: Copyright 2000-2012 Agilent Technologies.

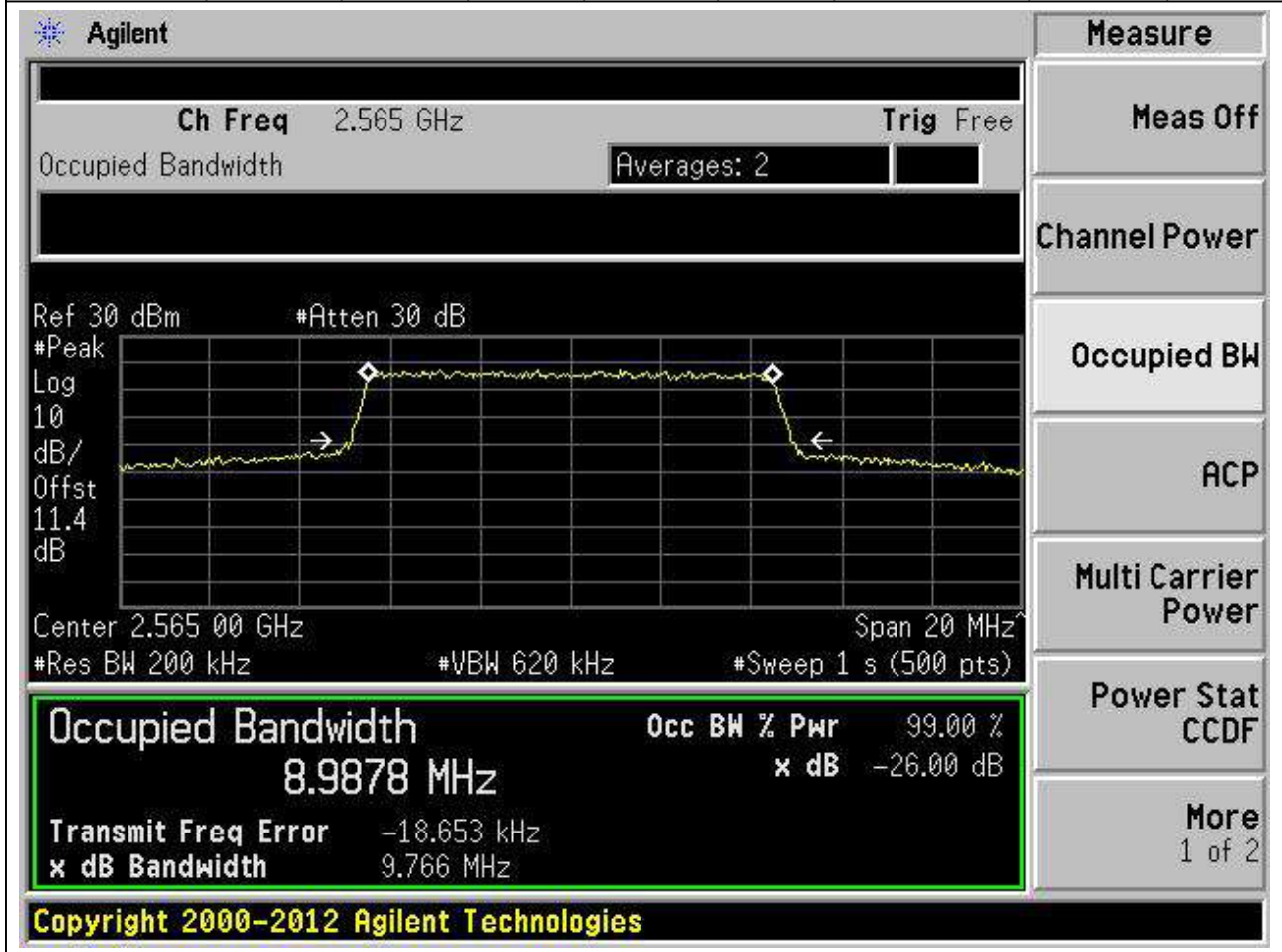
**11.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.96	9.78	10	Pass



**11.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.988	9.766	10	Pass





**11.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.971	9.817	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 2.565 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted with a green box, showing a value of 8.9708 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -16.587 kHz. The XdB bandwidth is 9.817 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 %
8.9708 MHz	x dB	-26.00 dB
Transmit Freq Error		-16.587 kHz
x dB Bandwidth		9.817 MHz

**11.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.444	14.676	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5075 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 11.4 dB'. The x-axis is labeled 'Center 2.507 50 GHz' and 'Span 30 MHz'. Below the plot, the following parameters are shown: '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 13.4443 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 3.923 kHz' and 'x dB Bandwidth 14.676 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, the copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible.

**11.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.427	14.635	15	Pass

**Agilent** Measure

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.4 dB

Center 2.507 50 GHz Span 30 MHz

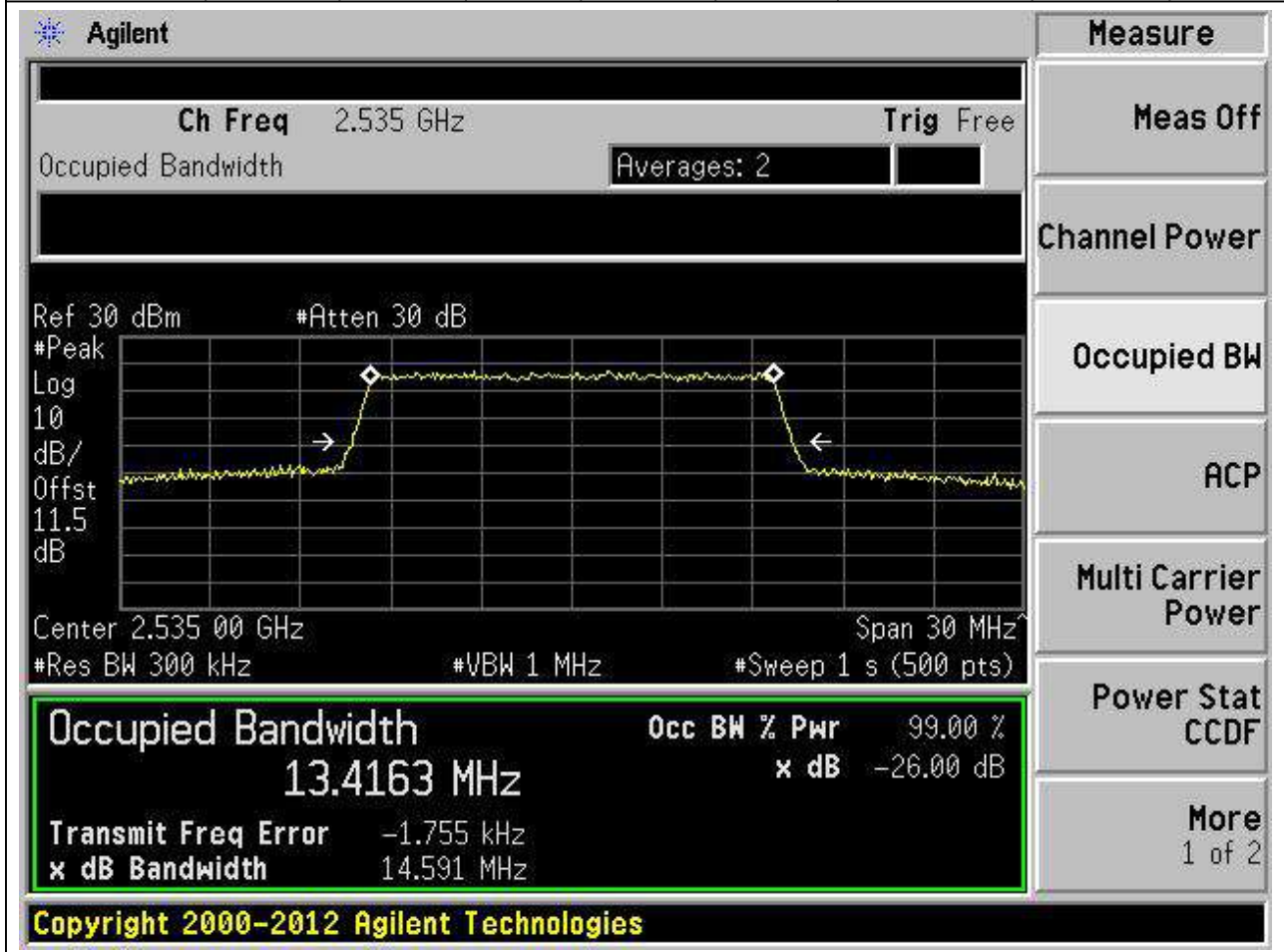
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
<b>13.4266 MHz</b>	x dB	-26.00 dB
Transmit Freq Error	3.987 kHz	
x dB Bandwidth	14.635 MHz	

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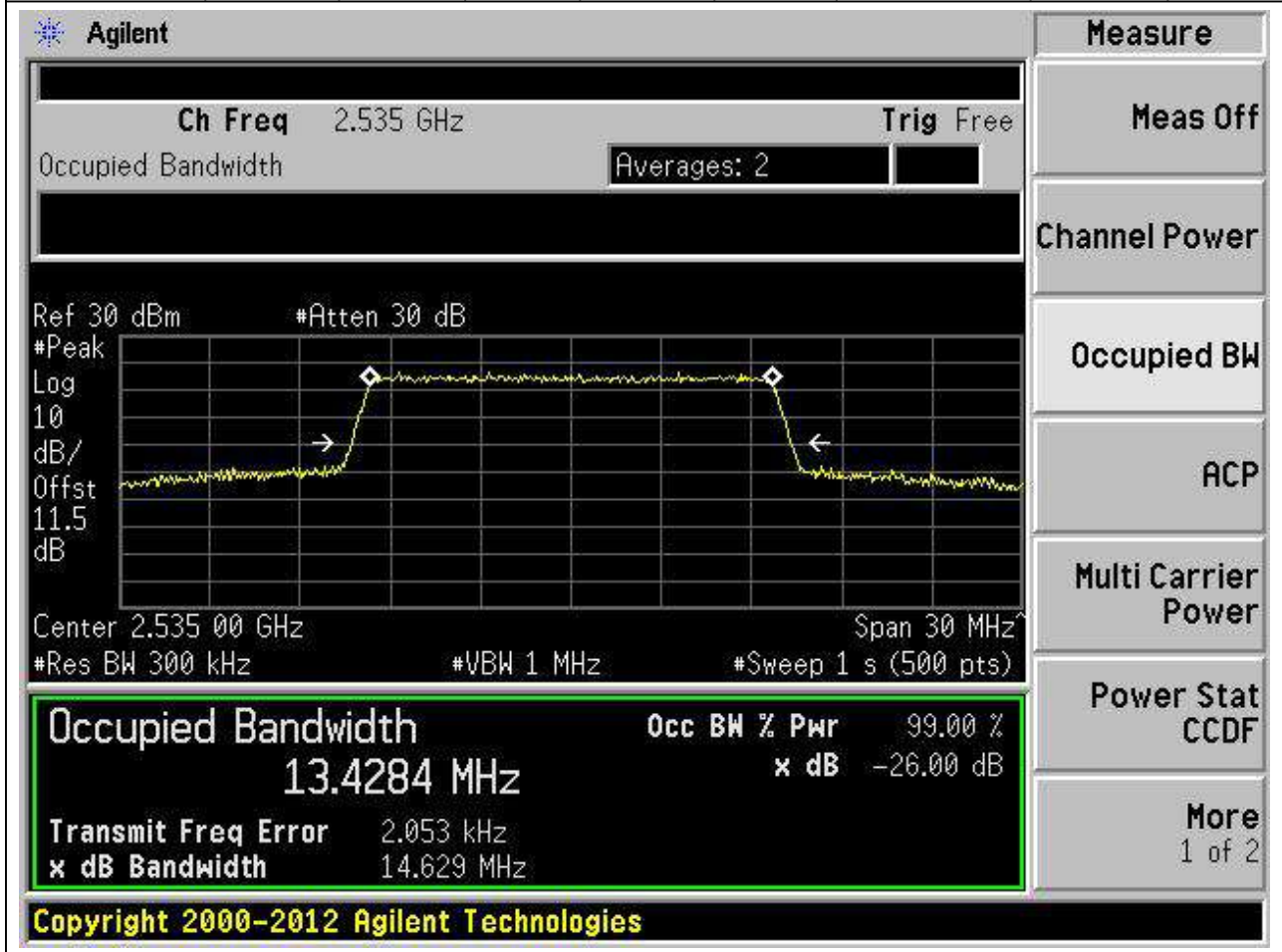
**11.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.416	14.591	15	Pass



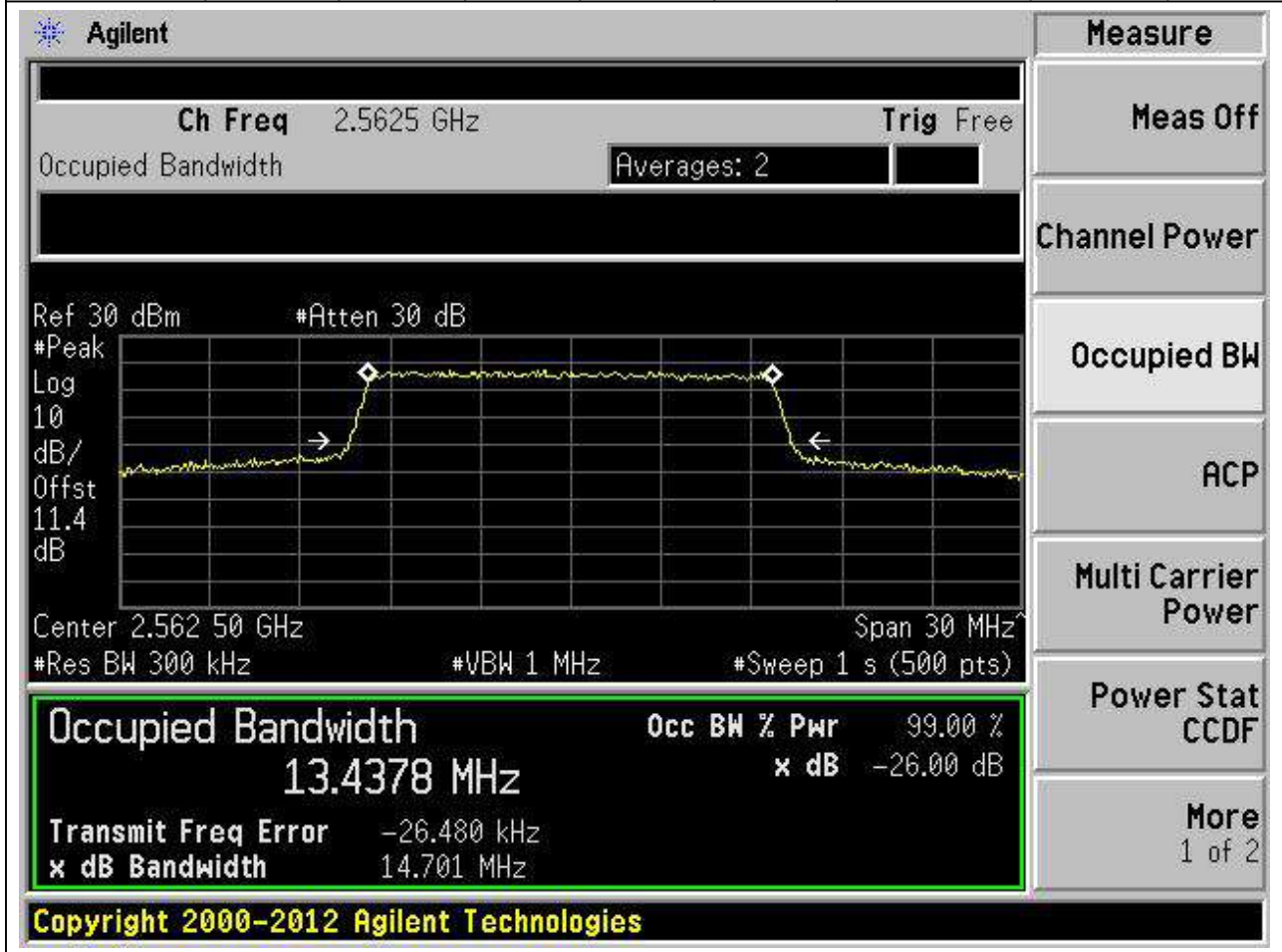
**11.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:21100, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.428	14.629	15	Pass



**11.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.438	14.701	15	Pass



**11.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:21375, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.446	14.613	15	Pass

Agilent
Measure

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.562 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4456 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -7.233 kHz	
<b>x dB Bandwidth</b> 14.613 MHz	

Power Stat CCDF

More 1 of 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

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**11.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.917	19.392	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.51 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '11.4 dB'. The plot shows a signal with a peak at approximately 2.51 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9167 MHz. Other parameters shown include 'Center 2.510 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 1 s (512 pts)'. The bottom section of the screen displays the following measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9167 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	9.125 kHz	
<b>x dB Bandwidth</b>	19.392 MHz	

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).

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**11.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.934	19.335	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.51 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '11.4 dB'. The plot shows a signal with a peak at approximately 2.51 GHz. Below the plot, the following parameters are displayed: 'Center 2.510 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 1 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9344 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 23.371 kHz' and 'x dB Bandwidth 19.335 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, the copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible.

**11.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.9	19.462	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is set to a center frequency of 2.535 GHz and a span of 40 MHz. The signal is measured at a reference level of 30 dBm with 30 dB of attenuation. The occupied bandwidth is highlighted with a green box, showing a value of 17.9002 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is 19.462 MHz. The XdB down is -26.00 dB. The transmit frequency error is 17.143 kHz. The interface also shows various measurement settings like Res BW (390 kHz), VBW (1.2 MHz), and Sweep (1 s, 512 pts). A vertical menu on the right side of the screen lists measurement options: Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9002 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 17.143 kHz  
 x dB Bandwidth: 19.462 MHz

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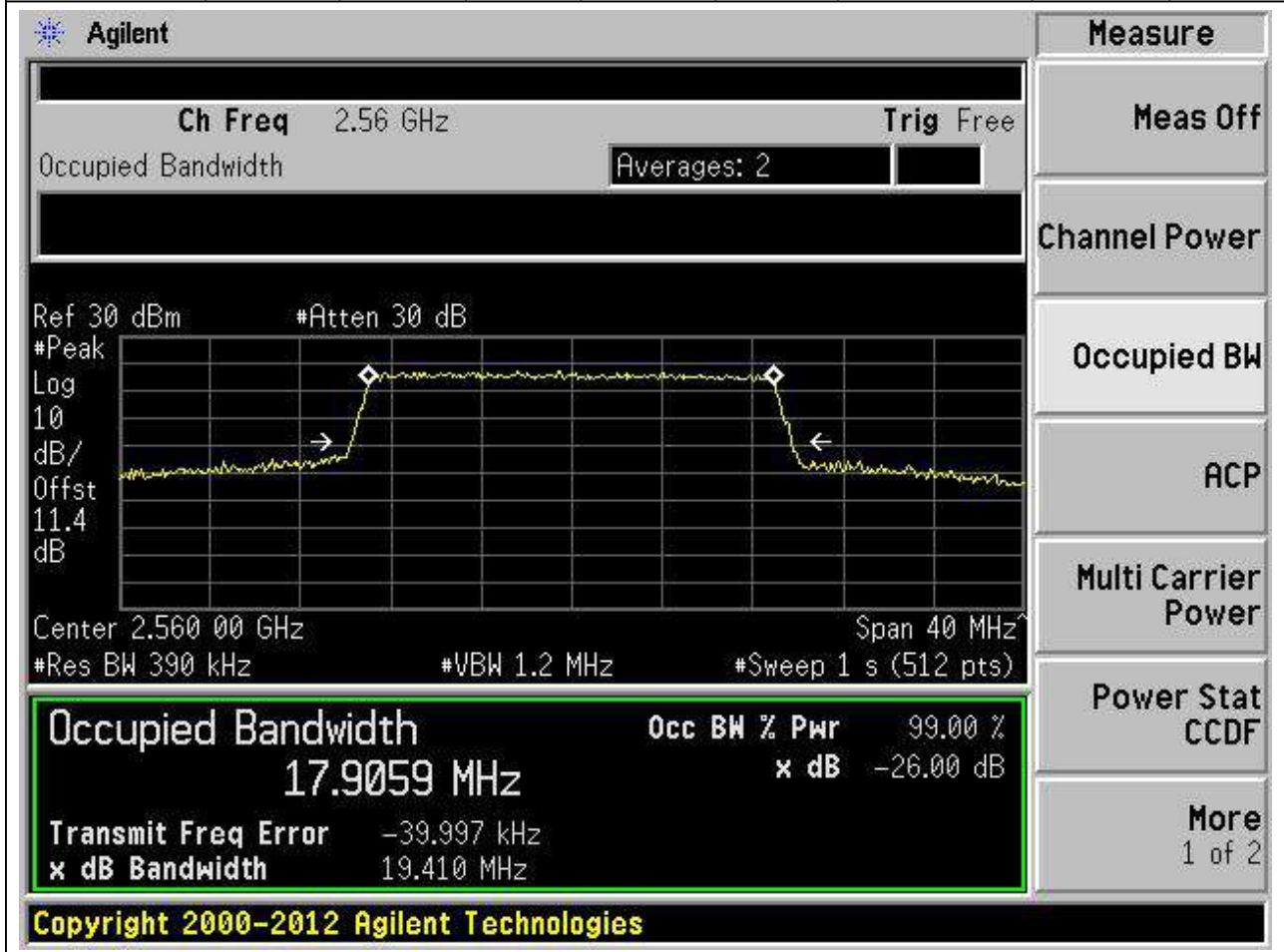
**11.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.92	19.39	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.535 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '11.5 dB'. The plot shows a signal with a peak at approximately 2.535 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9196 MHz. Other parameters shown include 'Transmit Freq Error -11.013 kHz', 'x dB Bandwidth 19.390 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**11.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.906	19.41	20	Pass



**11.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

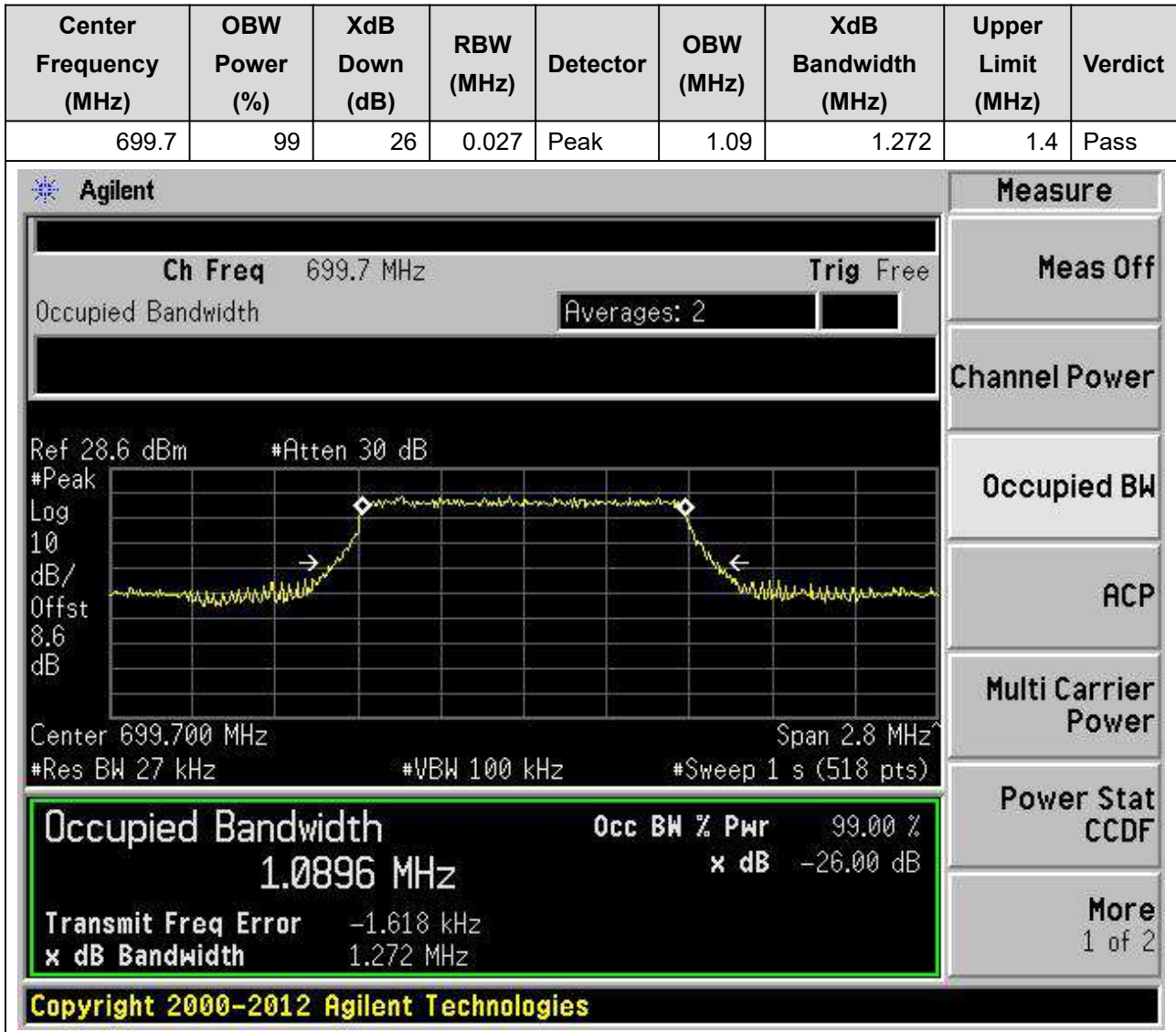
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.893	19.377	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.56 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 resolution bandwidth of 390 kHz and a video bandwidth of 1.2 MHz. The center frequency is 2.56000 GHz and the span is 40 MHz. The plot shows a signal with a peak at approximately 2.56 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.8932 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error -5.951 kHz' and 'x dB Bandwidth 19.377 MHz'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.8932 MHz	99.00 %	-26.00 dB

## 12. LTE\_Band12

### 12.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:23017, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



**12.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:23017, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

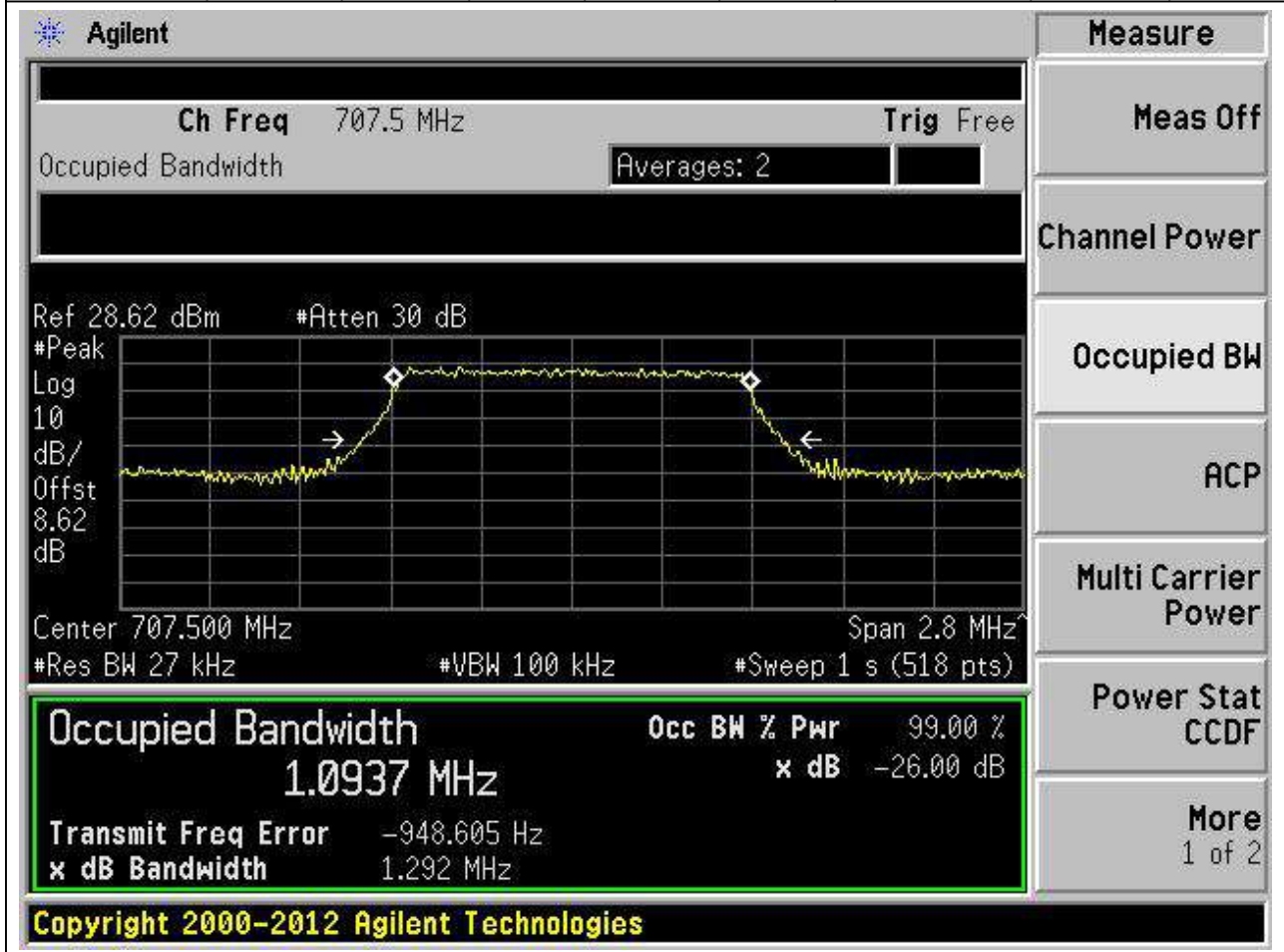
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
699.7	99	26	0.027	Peak	1.095	1.296	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 699.7 MHz, and the span is 2.8 MHz. The occupied bandwidth is highlighted as 1.0946 MHz. The power level is 99.00% and -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 %
1.0946 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.222 kHz	
x dB Bandwidth	1.296 MHz	

**12.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:23095, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

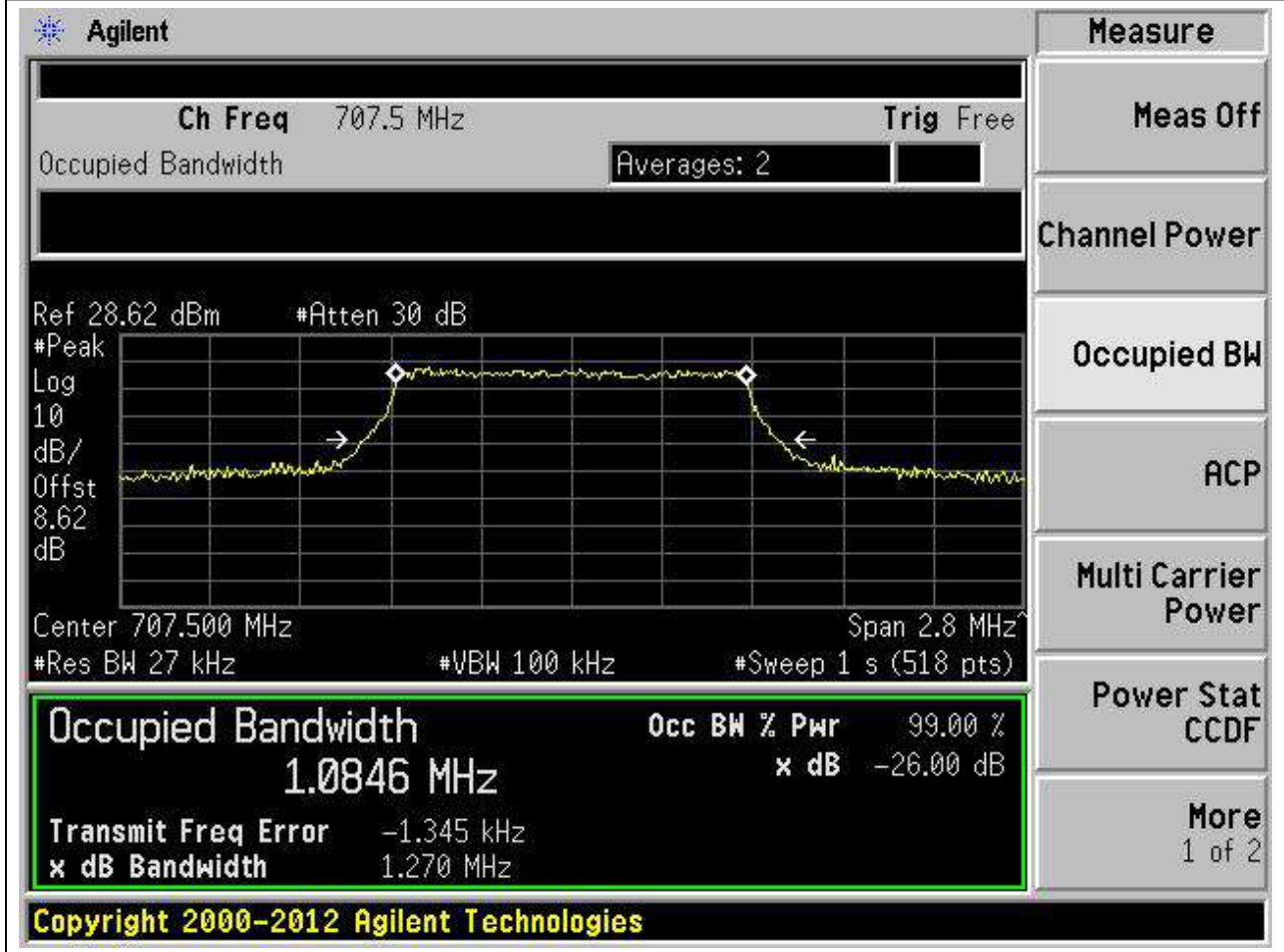
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.094	1.292	1.4	Pass





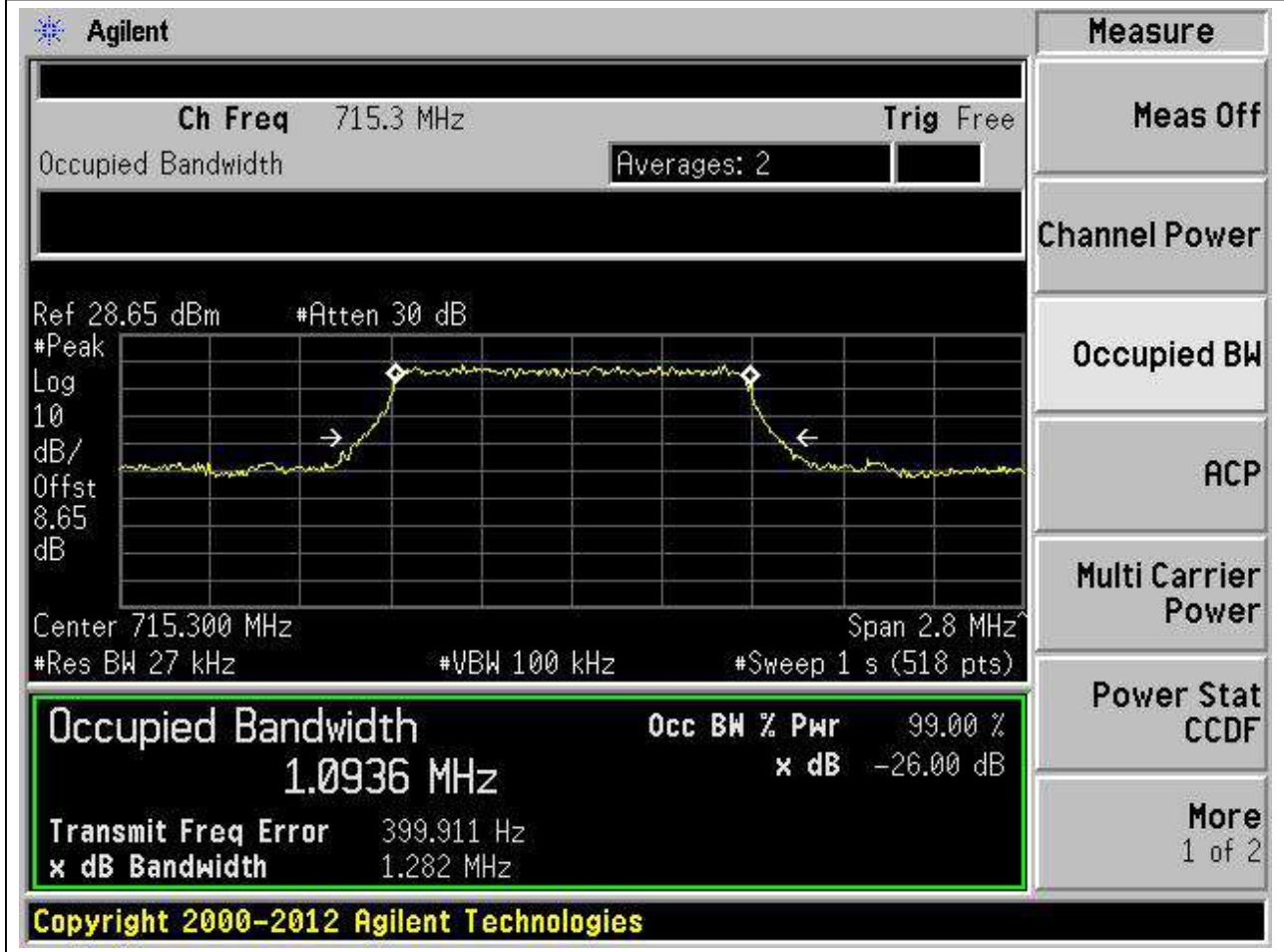
**12.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:23095, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.085	1.27	1.4	Pass



**12.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:23173, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.094	1.282	1.4	Pass



**12.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:23173, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.091	1.305	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 715.300 MHz, and the span is 2.8 MHz. The occupied bandwidth is highlighted as 1.0913 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.295 kHz. The XdB bandwidth is 1.305 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 %
1.0913 MHz	x dB	-26.00 dB
Transmit Freq Error		-1.295 kHz
x dB Bandwidth		1.305 MHz

**12.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:23025, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.695	2.941	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 700.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with a resolution bandwidth of 62 kHz and a video bandwidth of 200 kHz. The center frequency is 700.500 MHz and the span is 6 MHz. The plot shows a signal with a peak level of 28.6 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted in green, showing a value of 2.6946 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is 2.941 MHz. The transmit frequency error is -475.970 Hz. 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
2.6946 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -475.970 Hz  
x dB Bandwidth: 2.941 MHz

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**12.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:23025, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.69	2.958	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 700.500 MHz and the span is 6 MHz. The occupied bandwidth is highlighted in green, showing a value of 2.6896 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters like Res BW, VBW, and Sweep time.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.6896 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 700.5 MHz, Trig Free, Averages: 2, Ref 28.6 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 8.6 dB, Center 700.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts), Transmit Freq Error 77.013 Hz, and x dB Bandwidth 2.958 MHz.

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**12.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:23095, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.697	2.937	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 707.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.62 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 8.62 dB, Center 707.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, and #Sweep 1 s (483 pts). A green box highlights the measurement results: Occupied Bandwidth 2.6965 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error -2.666 kHz, and x dB Bandwidth 2.937 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'.

**12.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:23095, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.692	2.946	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 707.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.62 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.62 dB', 'Center 707.500 MHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 2.6921 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -4.731 kHz', and 'x dB Bandwidth 2.946 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'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**12.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:23165, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.692	2.956	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 714.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.65 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '8.65 dB'. The plot shows a signal with a peak at 714.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.6924 MHz. Other parameters shown include 'Center 714.500 MHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. The 'Occupied Bandwidth' summary box shows 'Occ BW % Pwr 99.00 %' and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -3.744 kHz' and 'x dB Bandwidth 2.956 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.



**12.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:23165, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

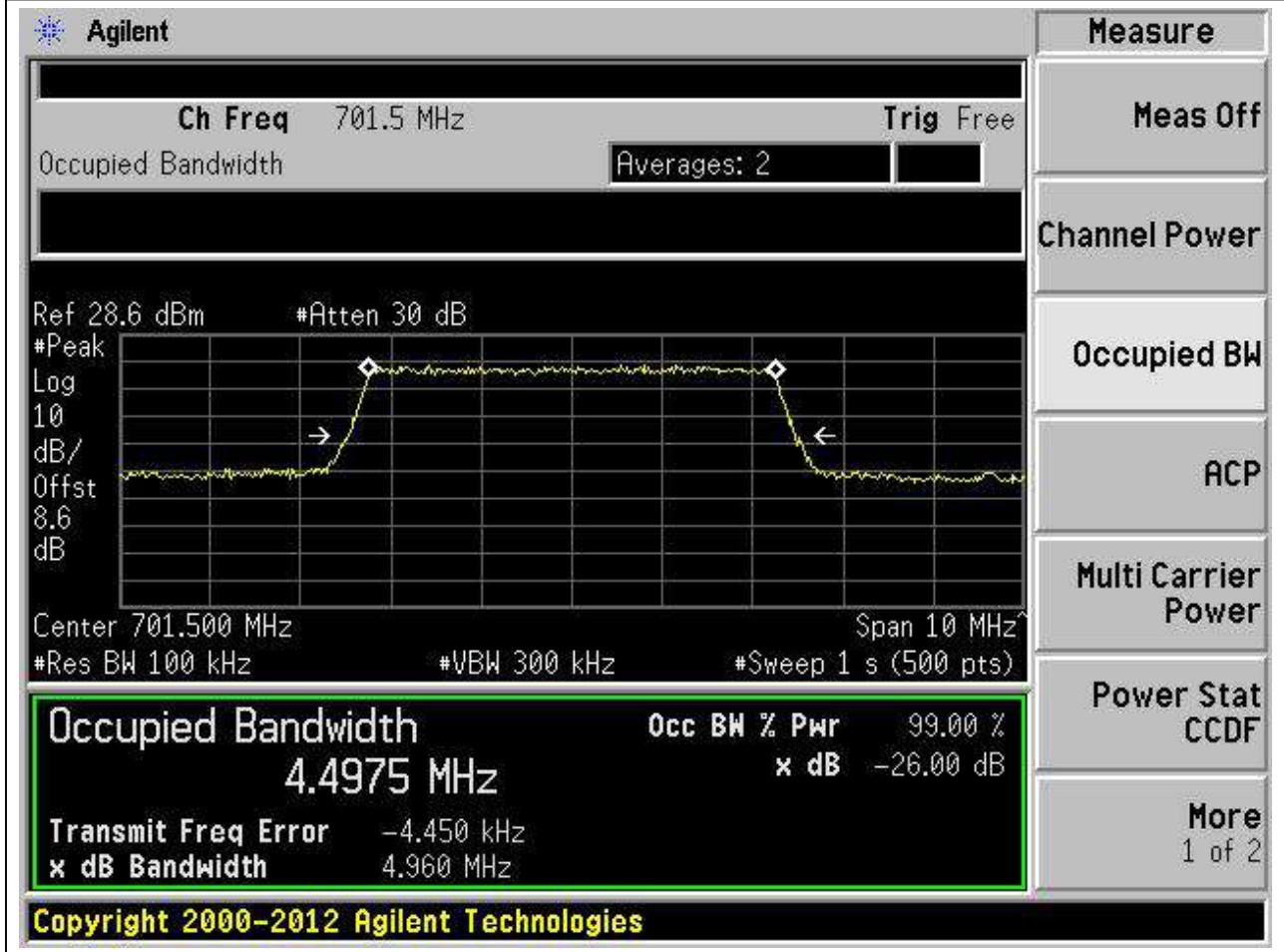
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.687	2.944	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 714.500 MHz, and the span is 6 MHz. The occupied bandwidth is highlighted in green, showing a value of 2.6869 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -4.257 kHz, and the XdB bandwidth is 2.944 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 %
2.6869 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.257 kHz
x dB Bandwidth		2.944 MHz

**12.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:23035, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.497	4.96	5	Pass



**12.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:23035, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.485	4.927	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 701.500 MHz and the span is 10 MHz. The occupied bandwidth is highlighted in green, showing 4.4847 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.891 kHz and the XdB bandwidth is 4.927 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 %
4.4847 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.891 kHz	
x dB Bandwidth	4.927 MHz	

**12.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:23095, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.495	4.942	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 measurement results are as follows:

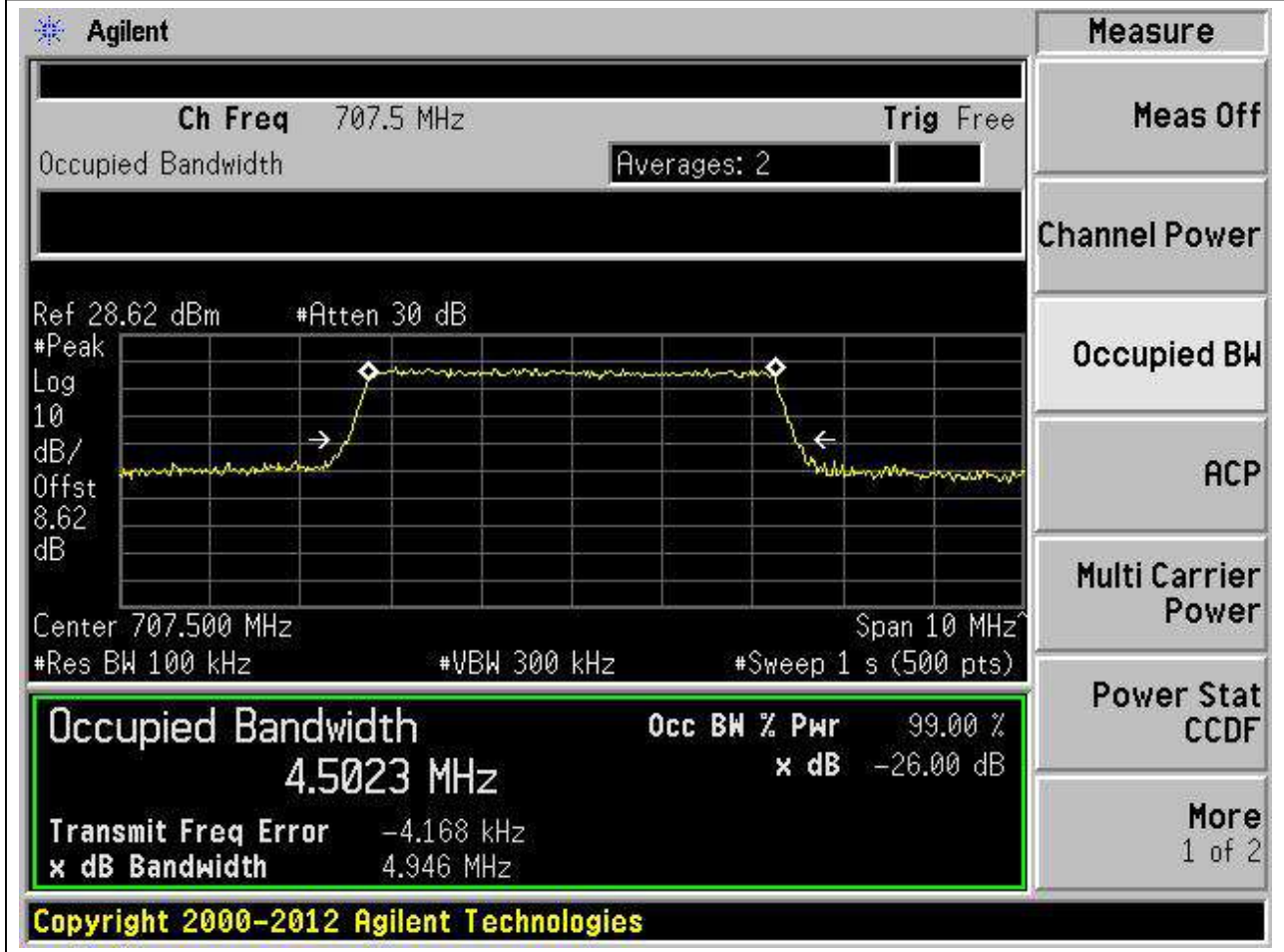
Measurement	Value
Occupied Bandwidth	4.4952 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-9.022 kHz
x dB Bandwidth	4.942 MHz

Other visible parameters include: Ch Freq 707.5 MHz, Trig Free, Averages: 2, Ref 28.62 dBm, #Atten 30 dB, Center 707.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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**12.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:23095, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.502	4.946	5	Pass



**12.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:23155, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.486	4.93	5	Pass

**Agilent**

Ch Freq 713.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.64 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.64 dB

Center 713.500 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4856 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-1.172 kHz	
<b>x dB Bandwidth</b>	4.930 MHz	

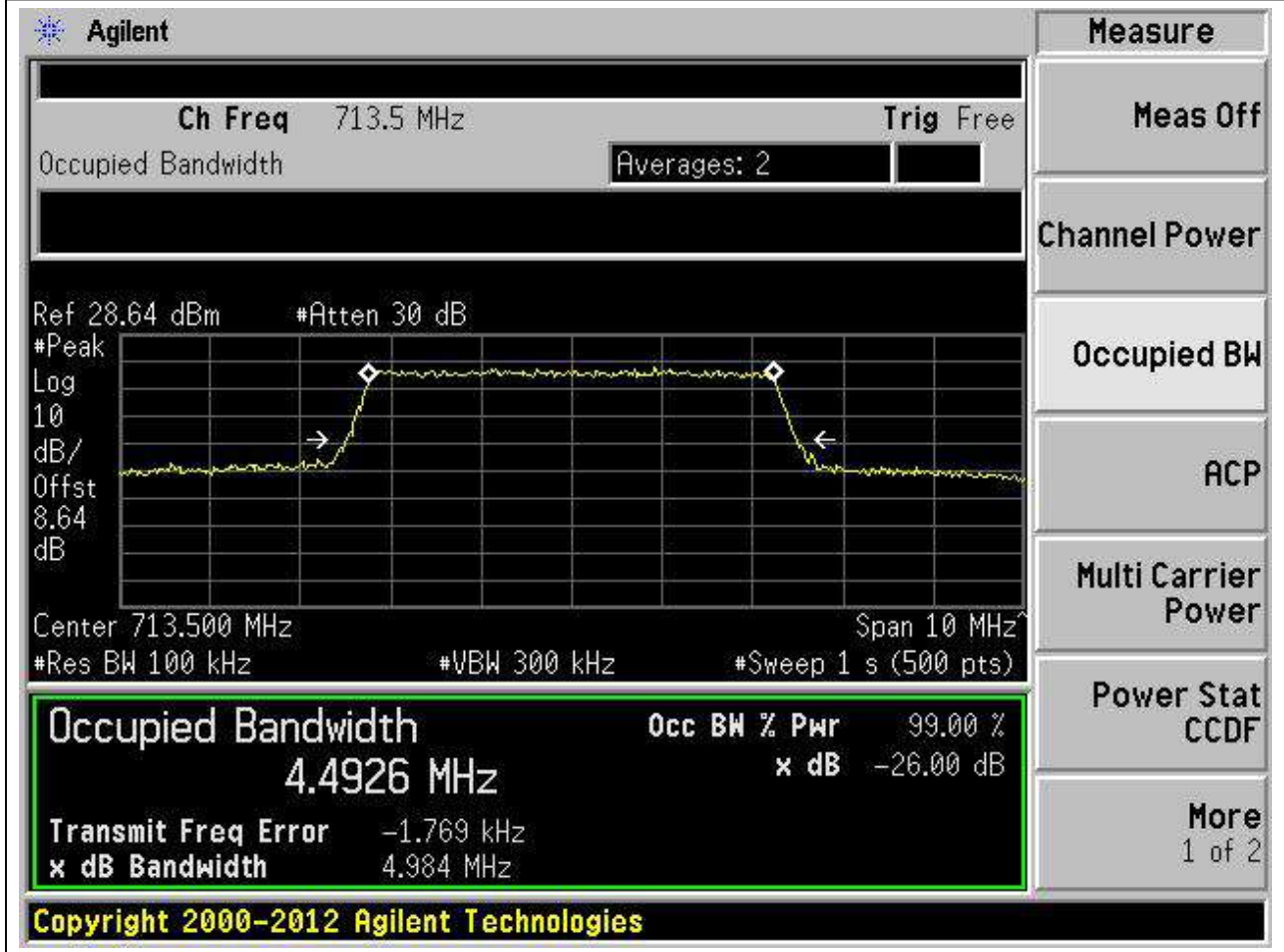
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**Measure**

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

**12.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:23155, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.493	4.984	5	Pass



**12.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.962	9.872	10	Pass

Agilent
Measure

Ch Freq 704 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.61 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.61 dB

Center 704.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9622 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -1.174 kHz	
<b>x dB Bandwidth</b> 9.872 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2



**12.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.943	9.796	10	Pass

Agilent
Measure

Ch Freq 704 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.61 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.61

dB

Center 704.00 MHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

8.9434 MHz
x dB -26.00 dB

Transmit Freq Error 1.998 kHz

x dB Bandwidth 9.796 MHz

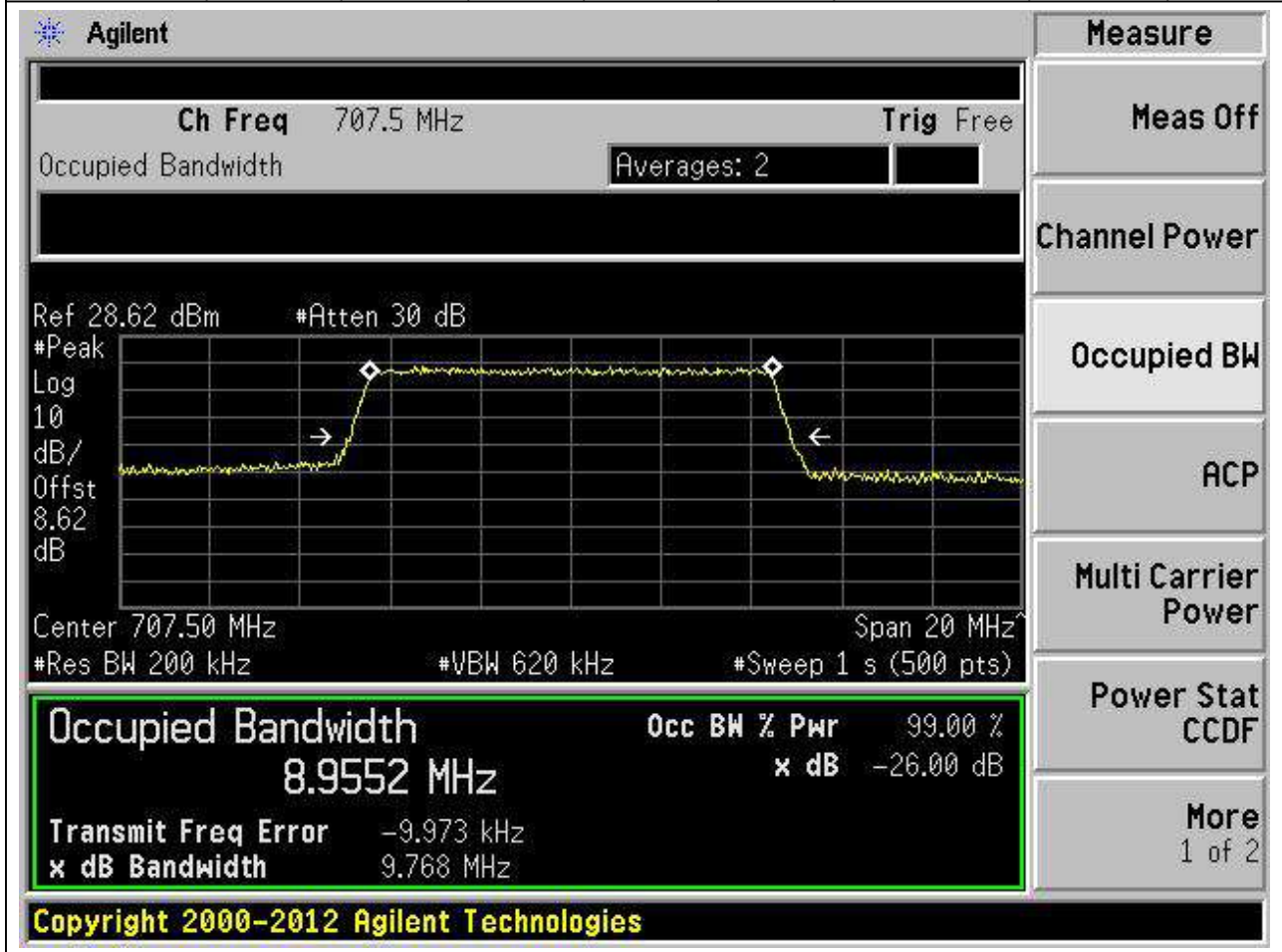
Power Stat CCDF

More 1 of 2

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**12.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.955	9.768	10	Pass



**12.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.956	9.824	10	Pass

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

Measurement	Value
Occupied Bandwidth	8.9559 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.343 kHz
x dB Bandwidth	9.824 MHz

Other parameters shown in the interface include: Ch Freq 707.5 MHz, Trig Free, Averages: 2, Ref 28.62 dBm, #Atten 30 dB, Center 707.50 MHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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**12.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.976	9.832	10	Pass

Agilent
Measure

Ch Freq 711 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.63 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.63

dB

Center 711.00 MHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

**Occupied Bandwidth**

**8.9759 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -11.686 kHz

x dB Bandwidth 9.832 MHz

Power Stat CCDF
More 1 of 2

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**12.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:23130, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.974	9.814	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 711 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.63 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.63 dB', 'Center 711.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9745 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -18.735 kHz', and 'x dB Bandwidth 9.814 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'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

### 13. LTE\_Band13

#### 13.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
779.5	99	26	0.1	Peak	4.496	4.967	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 779.5 MHz. The occupied bandwidth is highlighted as 4.4965 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -8.777 kHz. The XdB bandwidth is 4.967 MHz. The interface includes various measurement buttons on the right side, such as Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More. The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4965 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.777 kHz	
x dB Bandwidth	4.967 MHz	

**13.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
779.5	99	26	0.1	Peak	4.492	4.922	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 779.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.84 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.84 dB', 'Center 779.500 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 4.4922 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error -3.746 kHz' and 'x dB Bandwidth 4.922 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'.

**13.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.1	Peak	4.497	4.957	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 782.000 MHz and the span is 10 MHz. The occupied bandwidth is highlighted as 4.4966 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -2.528 kHz. The XdB bandwidth is 4.957 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 %
4.4966 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.528 kHz
x dB Bandwidth		4.957 MHz



**13.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.1	Peak	4.489	4.951	5	Pass

Agilent
Measure

Ch Freq 782 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak

Log 10 dB/Offst 8.85 dB

Center 782.000 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4893 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -4.008 kHz	
<b>x dB Bandwidth</b> 4.951 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**13.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
784.5	99	26	0.1	Peak	4.489	4.947	5	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	4.4887 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	3.731 kHz
x dB Bandwidth	4.947 MHz

Other parameters shown in the interface include: Ch Freq 784.5 MHz, Trig Free, Averages: 2, Ref 28.86 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.86 dB, Center 784.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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**13.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
784.5	99	26	0.1	Peak	4.494	4.981	5	Pass

**Agilent**

Ch Freq 784.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.86 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.86 dB

Center 784.500 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4937 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	4.532 kHz	
<b>x dB Bandwidth</b>	4.981 MHz	

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**Measure**

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

**13.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.983	9.876	10	Pass

Agilent
Measure

Ch Freq 782 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.85 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.85 dB

Center 782.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9835 MHz** x dB -26.00 dB

Transmit Freq Error 7.555 kHz

x dB Bandwidth 9.876 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**13.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.974	9.814	10	Pass

Agilent
Measure

Ch Freq 782 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.85 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.85

dB

Center 782.00 MHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

8.9736 MHz
x dB -26.00 dB

Transmit Freq Error 7.750 kHz

x dB Bandwidth 9.814 MHz

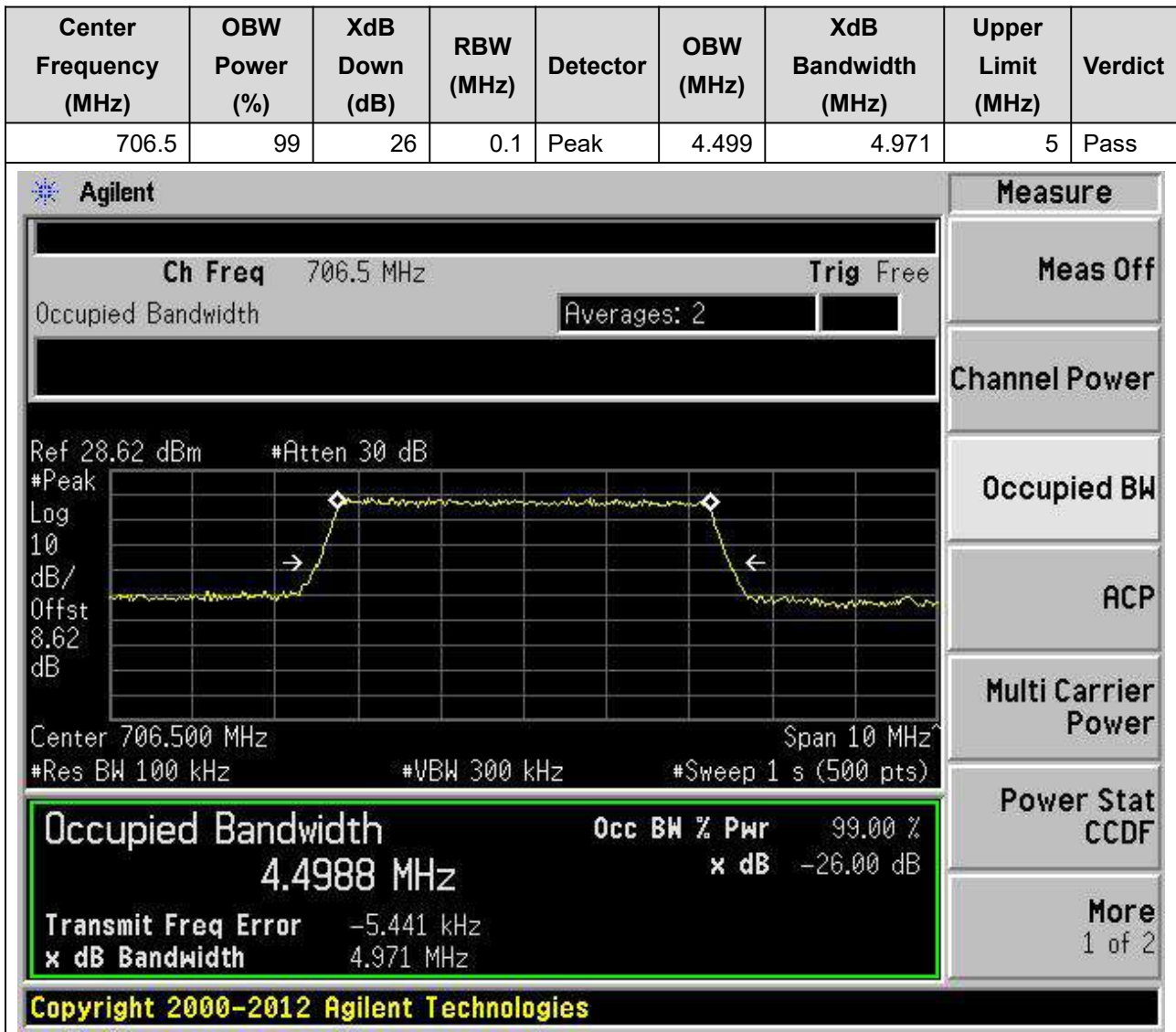
Power Stat CCDF

More 1 of 2

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## 14. LTE\_Band17

### 14.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



**14.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:23755, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.488	4.935	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is titled 'Occupied Bandwidth' and shows a signal centered at 706.5 MHz. The plot parameters are: Center 706.500 MHz, Span 10 MHz, Res BW 100 kHz, VBW 300 kHz, Sweep 1 s (500 pts). The plot shows a signal with a peak at 706.5 MHz and a bandwidth of 4.4881 MHz. The power level is 99.00% and the XdB Down is -26.00 dB. The plot also shows the Transmit Freq Error as -4.668 kHz and the x dB Bandwidth as 4.935 MHz.

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).

At the bottom of the screen, there is a copyright notice: Copyright 2000-2012 Agilent Technologies.

**14.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:23790, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.493	4.951	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 710 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.63 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '8.63 dB'. The plot shows a signal with a peak at 710 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing '4.4930 MHz' and '99.00 %'. Other parameters shown include 'Transmit Freq Error -5.402 kHz' and 'x dB Bandwidth 4.951 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

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



**14.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:23790, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.495	4.959	5	Pass

Agilent
Measure

Ch Freq 710 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.63 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.63

dB

Center 710.000 MHz    Span 10 MHz

#Res BW 100 kHz    #VBW 300 kHz    #Sweep 1 s (500 pts)

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

**4.4947 MHz**    x dB    -26.00 dB

Transmit Freq Error    -6.676 kHz

x dB Bandwidth    4.959 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**14.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.489	4.936	5	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 713.500 MHz with a span of 10 MHz. The vertical axis is labeled 'Log 10 dB/Offst 8.64 dB'. The horizontal axis is labeled 'Center 713.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at approximately 713.5 MHz. The peak is marked with a diamond symbol. The plot is labeled 'Occupied Bandwidth' and 'Averages: 2'. The plot also shows 'Ref 28.64 dBm' and '#Atten 30 dB'. The plot is labeled 'Peak' and 'Log 10 dB/Offst 8.64 dB'. The plot is labeled 'Center 713.500 MHz' and 'Span 10 MHz'. The plot is labeled '#Res BW 100 kHz' and '#VBW 300 kHz' and '#Sweep 1 s (500 pts)'. The plot is labeled 'Occupied Bandwidth' and 'Occ BW % Pwr 99.00 %' and 'x dB -26.00 dB'. The plot is labeled 'Transmit Freq Error -697.105 Hz' and 'x dB Bandwidth 4.936 MHz'. The plot is labeled 'Copyright 2000-2012 Agilent Technologies'.

**Measure**

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

**Occupied Bandwidth** 4.4891 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -697.105 Hz

**x dB Bandwidth** 4.936 MHz

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**14.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:23825, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.488	4.963	5	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 713.500 MHz and a span of 10 MHz. The vertical axis is labeled 'Log 10 dB/Offst 8.64 dB'. The horizontal axis is labeled 'Center 713.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at approximately 713.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.4879 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -7.007 kHz and the 'x dB Bandwidth' is 4.963 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4879 MHz	99.00 %	-26.00 dB

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**14.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.987	9.878	10	Pass

Agilent
Measure

Ch Freq 709 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.63 dB #Atten 30 dB  
#Peak Log 10 dB/Offst 8.63 dB  
Center 709.00 MHz Span 20 MHz  
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9868 MHz** x dB -26.00 dB

Transmit Freq Error -3.349 kHz

x dB Bandwidth 9.878 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**14.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.976	9.847	10	Pass

Agilent
Measure

Ch Freq 709 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.63 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.63 dB

Center 709.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9764 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 909.131 Hz	
<b>x dB Bandwidth</b> 9.847 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**14.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:23790, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.976	9.817	10	Pass

Agilent
Measure

Ch Freq 710 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.63 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.63

dB

Center 710.00 MHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

**Occupied Bandwidth**

**8.9757 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -7.588 kHz

**x dB Bandwidth** 9.817 MHz

Power Stat
CCDF

More
1 of 2

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**14.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:23790, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.964	9.794	10	Pass

Agilent
Measure

Ch Freq 710 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.63 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.63

dB

Center 710.00 MHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9640 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	308.060 Hz
<b>x dB Bandwidth</b>	9.794 MHz

Power Stat
CCDF

More
1 of 2

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**14.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.967	9.822	10	Pass

Agilent
Measure

Ch Freq 711 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.63 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.63 dB

Center 711.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9668 MHz** x dB -26.00 dB

Transmit Freq Error -8.555 kHz

x dB Bandwidth 9.822 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

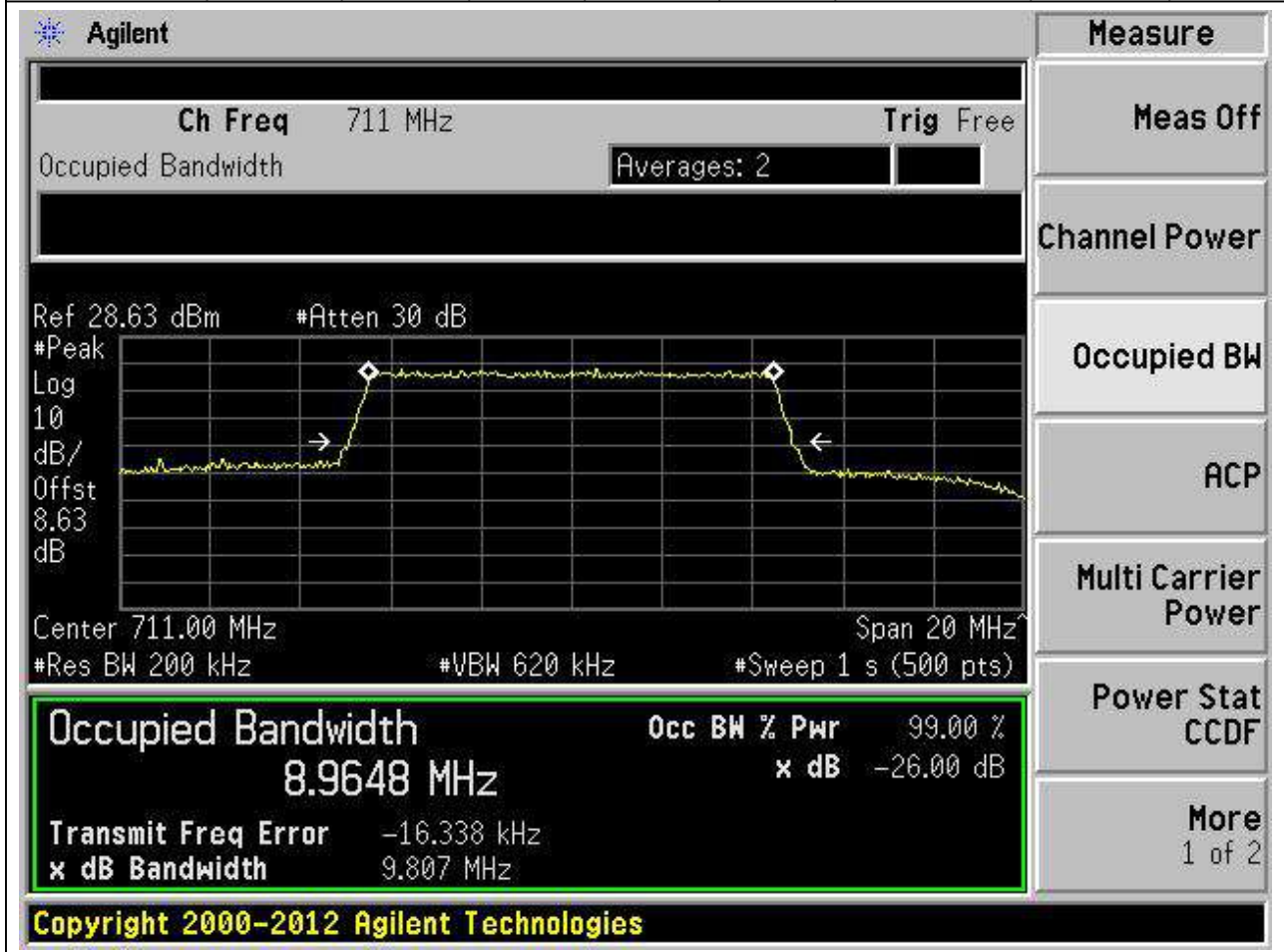
More 1 of 2

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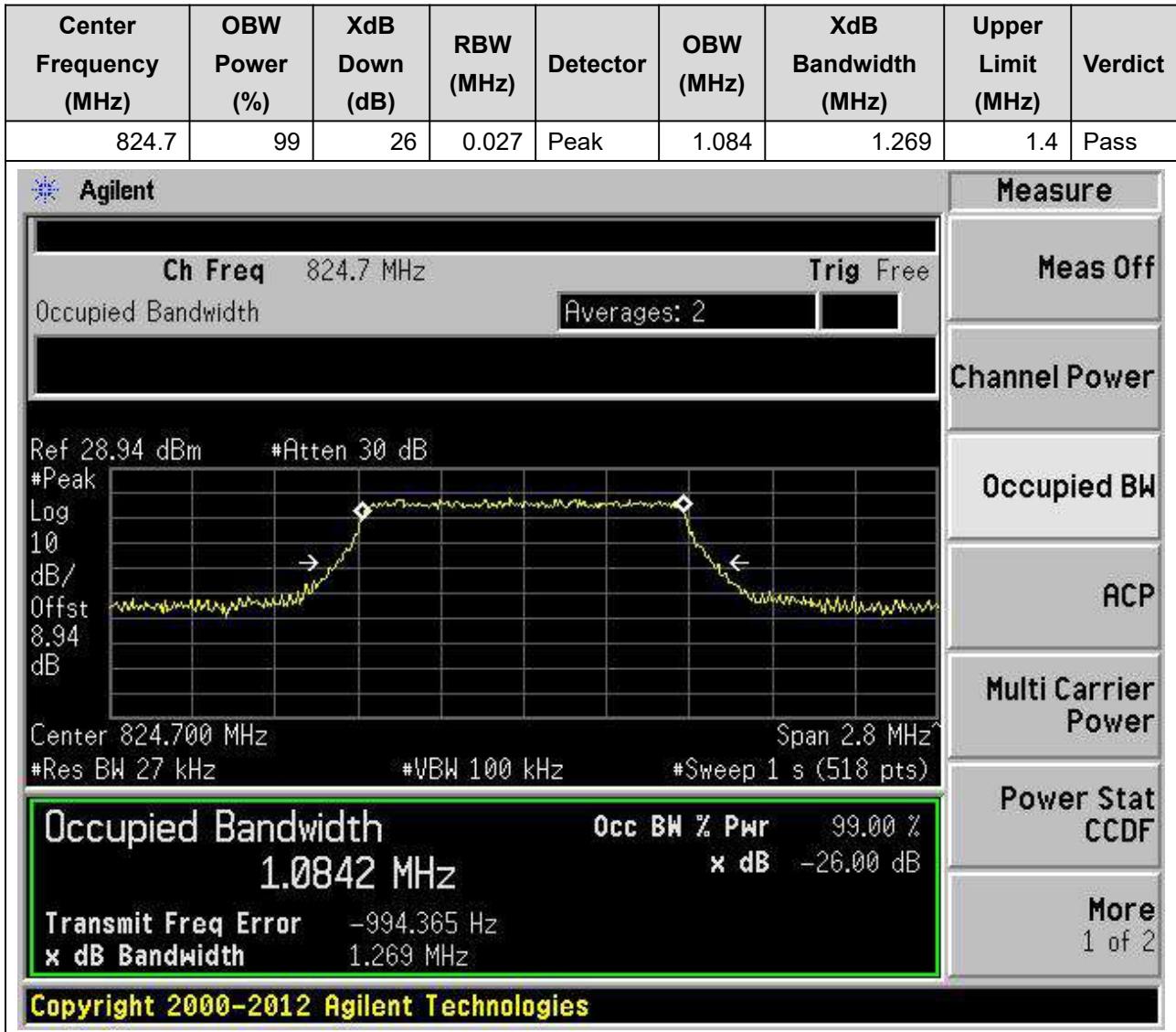
**14.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:23800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.965	9.807	10	Pass



## 15. LTE\_Band26(part22)

15.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:26797, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



**15.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:26797, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.092	1.303	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 824.700 MHz, and the span is 2.8 MHz. The occupied bandwidth is highlighted as 1.0924 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -3.098 kHz, and the XdB bandwidth is 1.303 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 %
1.0924 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.098 kHz	
x dB Bandwidth	1.303 MHz	

**15.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:26915, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.09	1.29	1.4	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

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

**1.0897 MHz** x dB -26.00 dB

Transmit Freq Error -636.186 Hz

x dB Bandwidth 1.290 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

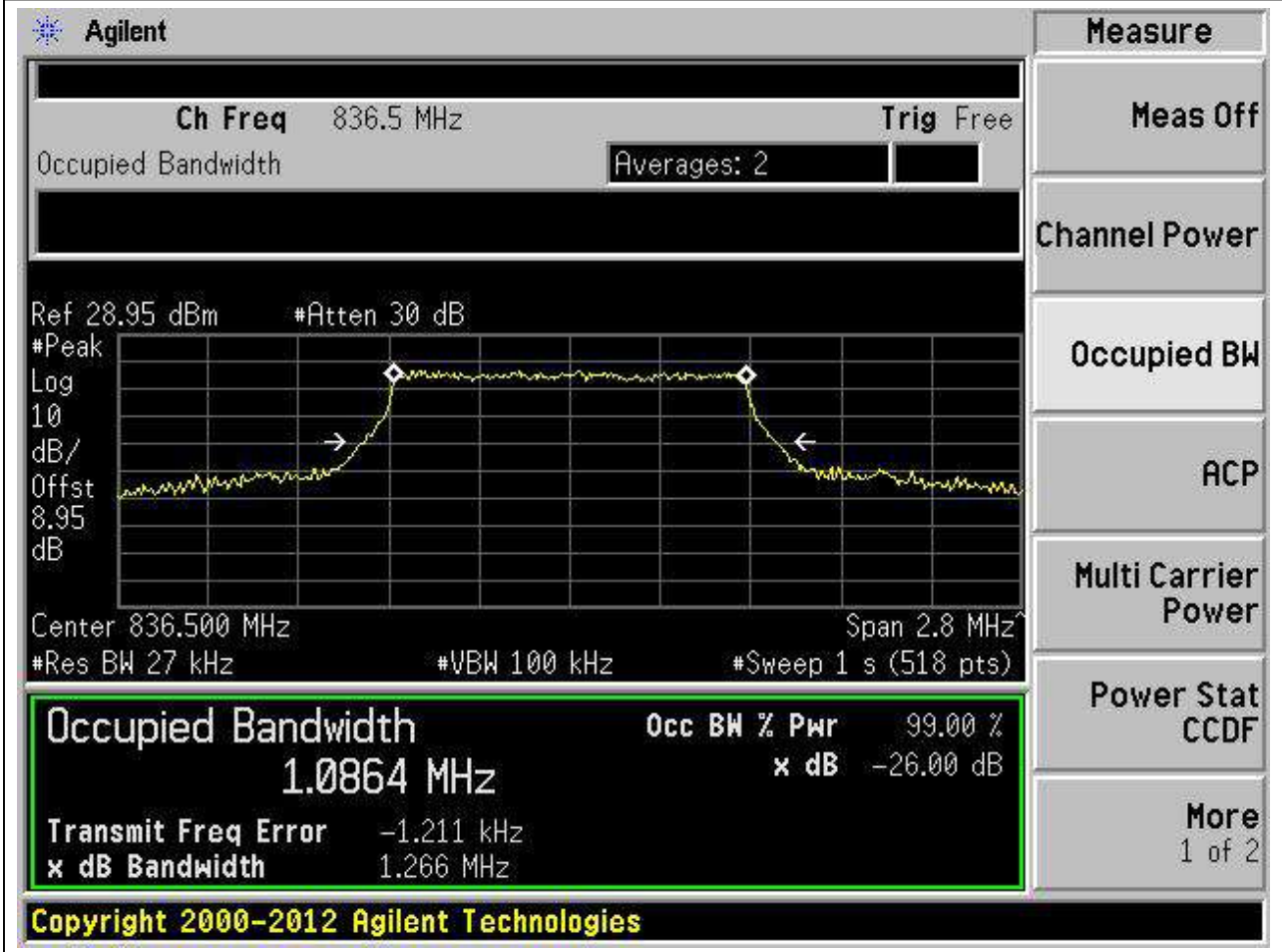
Power Stat CCDF

More  
1 of 2

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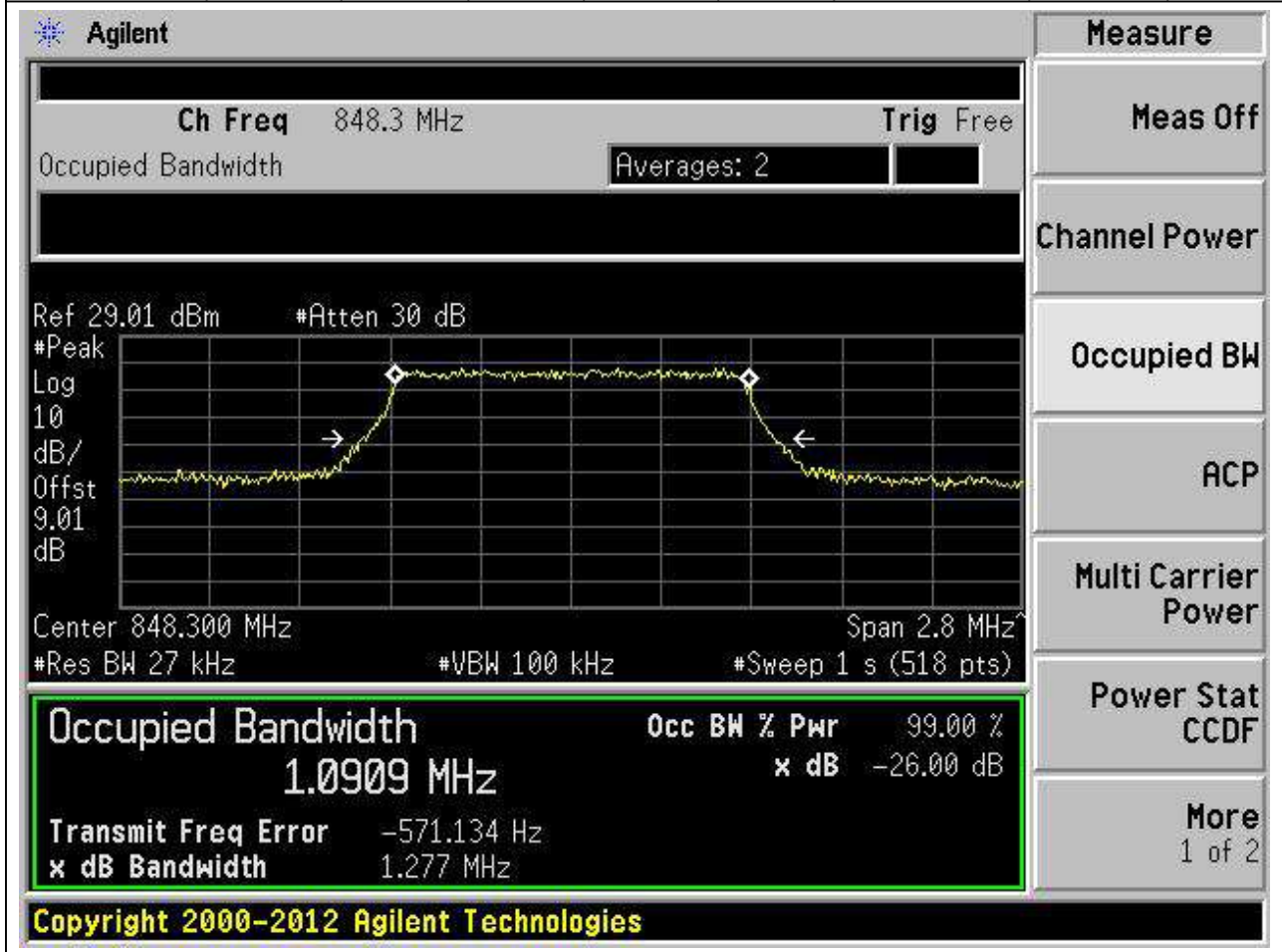
**15.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:26915, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.086	1.266	1.4	Pass



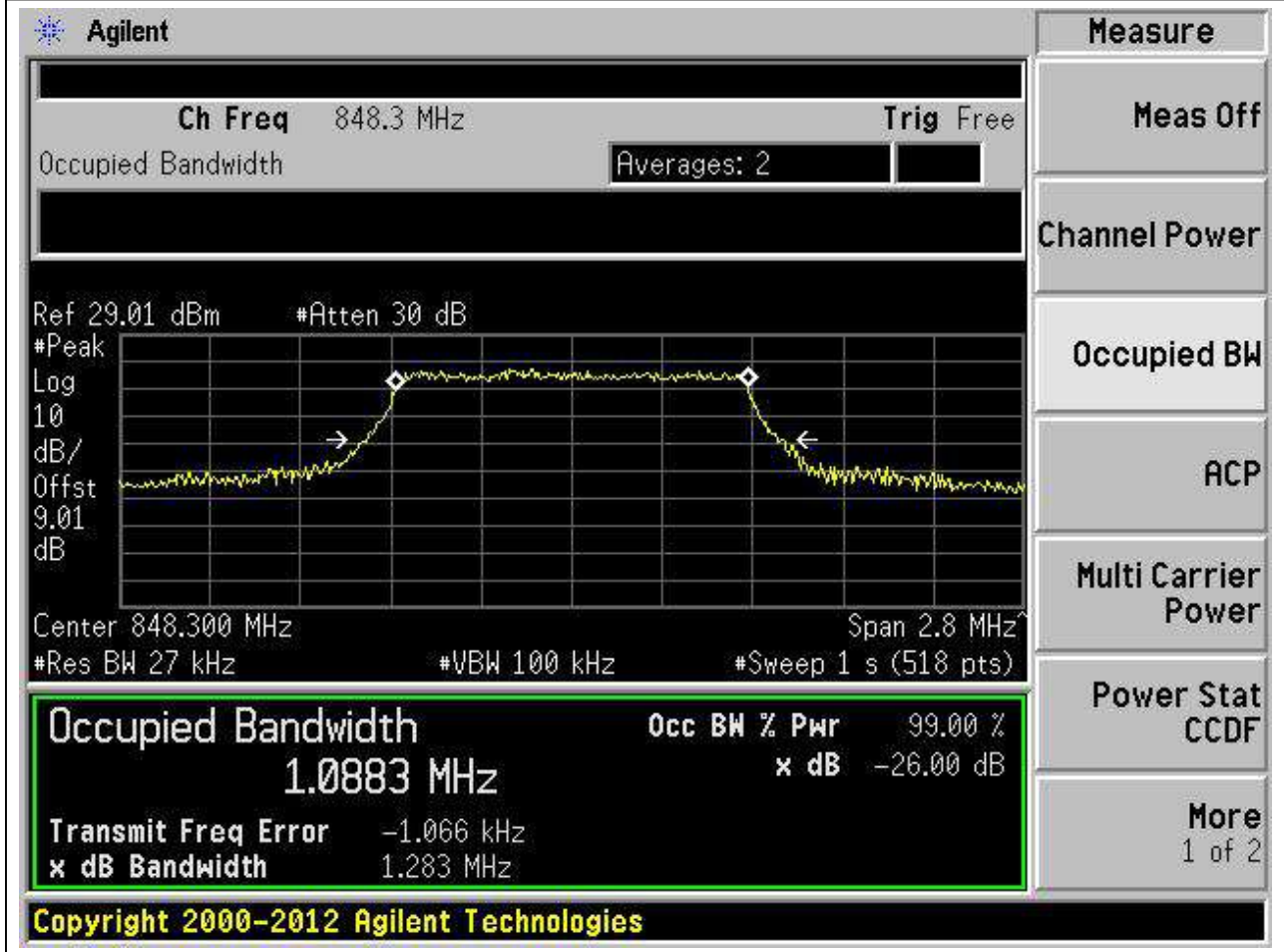
**15.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:27033, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.091	1.277	1.4	Pass



**15.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:27033, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.088	1.283	1.4	Pass



**15.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:26805, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.691	2.922	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 825.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.95 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.95 dB', 'Center 825.500 MHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 2.6905 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -359.930 Hz', and 'x dB Bandwidth 2.922 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'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.



**15.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:26805, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.689	2.946	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 825.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.95 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.95 dB', 'Center 825.500 MHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 2.6894 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 1.394 kHz' and 'x dB Bandwidth 2.946 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'.

**15.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:26915, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.691	2.935	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 836.5 MHz. The 'Occupied Bandwidth' measurement is highlighted in green, showing a value of 2.6913 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Transmit Freq Error (-2.257 kHz) and x dB Bandwidth (2.935 MHz). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.6913 MHz	99.00 %	-26.00 dB

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**15.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:26915, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.691	2.954	3	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

Center 836.500 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**2.6907 MHz**

Transmit Freq Error -6.133 kHz

x dB Bandwidth 2.954 MHz

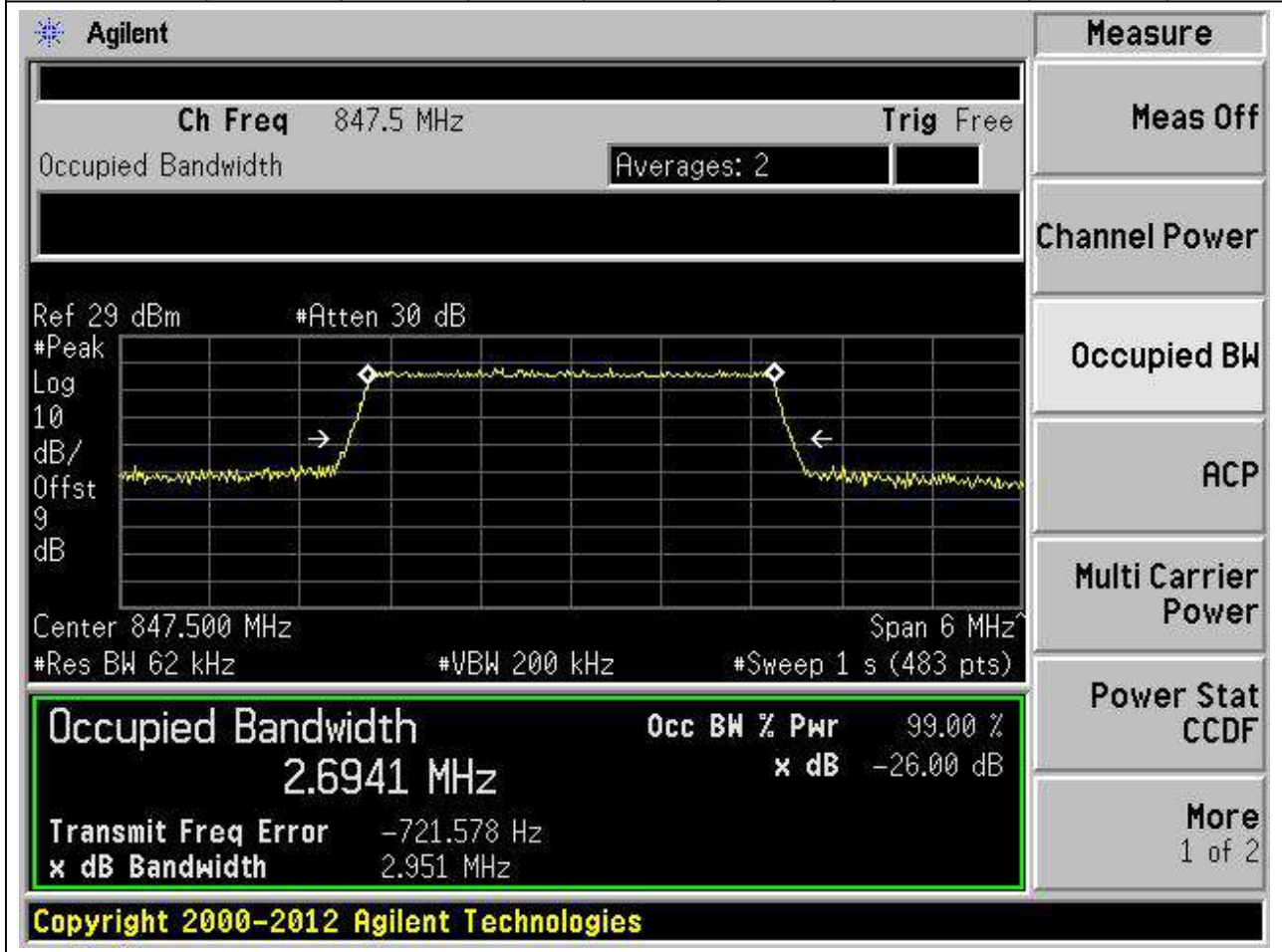
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**15.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:27025, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.694	2.951	3	Pass



**15.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:27025, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.688	2.949	3	Pass

Agilent
Measure

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29 dBm #Atten 30 dB

Center 847.500 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**2.6883 MHz**

Transmit Freq Error -6.567 kHz

x dB Bandwidth 2.949 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**15.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:26815, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.497	4.959	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 826.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.95 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.95 dB', 'Center 826.500 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. The plot shows a signal with a peak at approximately 826.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.4973 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error -4.082 kHz' and 'x dB Bandwidth 4.959 MHz'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**15.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:26815, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.486	4.93	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.95

dB

Center 826.500 MHz    Span 10 MHz

#Res BW 100 kHz    #VBW 300 kHz    #Sweep 1 s (500 pts)

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

**4.4865 MHz**    x dB    -26.00 dB

Transmit Freq Error    -3.330 kHz

x dB Bandwidth    4.930 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat

CCDF

More

1 of 2

**15.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:26915, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.487	4.954	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 836.500 MHz, and the span is 10 MHz. The occupied bandwidth is highlighted in green, showing 4.4867 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 %
4.4867 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.042 kHz	
x dB Bandwidth	4.954 MHz	



**15.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:26915, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.492	4.943	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 836.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.95 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.95 dB', 'Center 836.500 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4915 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -7.203 kHz', and 'x dB Bandwidth 4.943 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'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**15.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:27015, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.491	4.942	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 846.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.99 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.99 dB', 'Center 846.500 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4914 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -4.884 kHz', and 'x dB Bandwidth 4.942 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'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**15.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:27015, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.489	4.992	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 846.500 MHz and the span is 10 MHz. The occupied bandwidth is highlighted as 4.4894 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -2.835 kHz. The XdB bandwidth is 4.992 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 %
4.4894 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.835 kHz	
x dB Bandwidth	4.992 MHz	

**15.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:26840, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.98	9.887	10	Pass

Agilent
Measure

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.96 dB

Center 829.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9802 MHz**

Transmit Freq Error -1.261 kHz

x dB Bandwidth 9.887 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**15.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:26840, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.966	9.811	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 829 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.96 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.96 dB', 'Center 829.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9657 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown are 'Transmit Freq Error 4.961 kHz' and 'x dB Bandwidth 9.811 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'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**15.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:26915, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.948	9.925	10	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 836.50 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9484 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-5.266 kHz
<b>x dB Bandwidth</b>		9.925 MHz

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**15.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:26915, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.959	9.795	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 836.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.95 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.95 dB', 'Center 836.50 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9586 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 376.443 Hz' and 'x dB Bandwidth 9.795 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'.

**15.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:26990, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.967	9.82	10	Pass

Agilent
Measure

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.97 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.97 dB

Center 844.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9671 MHz**

Transmit Freq Error -21.054 kHz

x dB Bandwidth 9.820 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**15.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:26990, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.956	9.774	10	Pass

Agilent
Measure

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.97 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.97 dB

Center 844.00 MHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9563 MHz**

Transmit Freq Error -25.075 kHz

x dB Bandwidth 9.774 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**15.25. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:25, Channel:26865, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.444	14.672	15	Pass

Agilent
Measure

Ch Freq 831.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.96 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.96

dB

Center 831.50 MHz
Span 30 MHz

#Res BW 300 kHz
#VBW 1 MHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4441 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 4.156 kHz	
<b>x dB Bandwidth</b> 14.672 MHz	

Power Stat
CCDF

More
1 of 2

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**15.26. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:26, Channel:26865, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.3	Peak	13.427	14.668	15	Pass

Agilent
Measure

Ch Freq 831.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

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

13.4272 MHz x dB -26.00 dB

Transmit Freq Error -2.290 kHz

x dB Bandwidth 14.668 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**15.27. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:27, Channel:26915, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.3	Peak	13.417	14.648	15	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 836.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**13.4170 MHz**

Transmit Freq Error -15.893 kHz

x dB Bandwidth 14.648 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**15.28. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:28, Channel:26915, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.3	Peak	13.422	14.622	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 836.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 28.95 dBm, 30 dB attenuation, a log scale, 10 dB/div, and an offset of 8.95 dB. The center frequency is 836.50 MHz, the span is 30 MHz, the resolution bandwidth is 300 kHz, the video bandwidth is 1 MHz, and the sweep time is 1 s (500 pts). A green box highlights the measurement results: Occupied Bandwidth is 13.4221 MHz, Occ BW % Pwr is 99.00%, and x dB is -26.00 dB. Other parameters shown include Transmit Freq Error of -1.298 kHz and x dB Bandwidth of 14.622 MHz. The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

**15.29. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:29, Channel:26965, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.411	14.753	15	Pass

Agilent
Measure

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 841.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**13.4110 MHz**

Transmit Freq Error -36.718 kHz

x dB Bandwidth 14.753 MHz

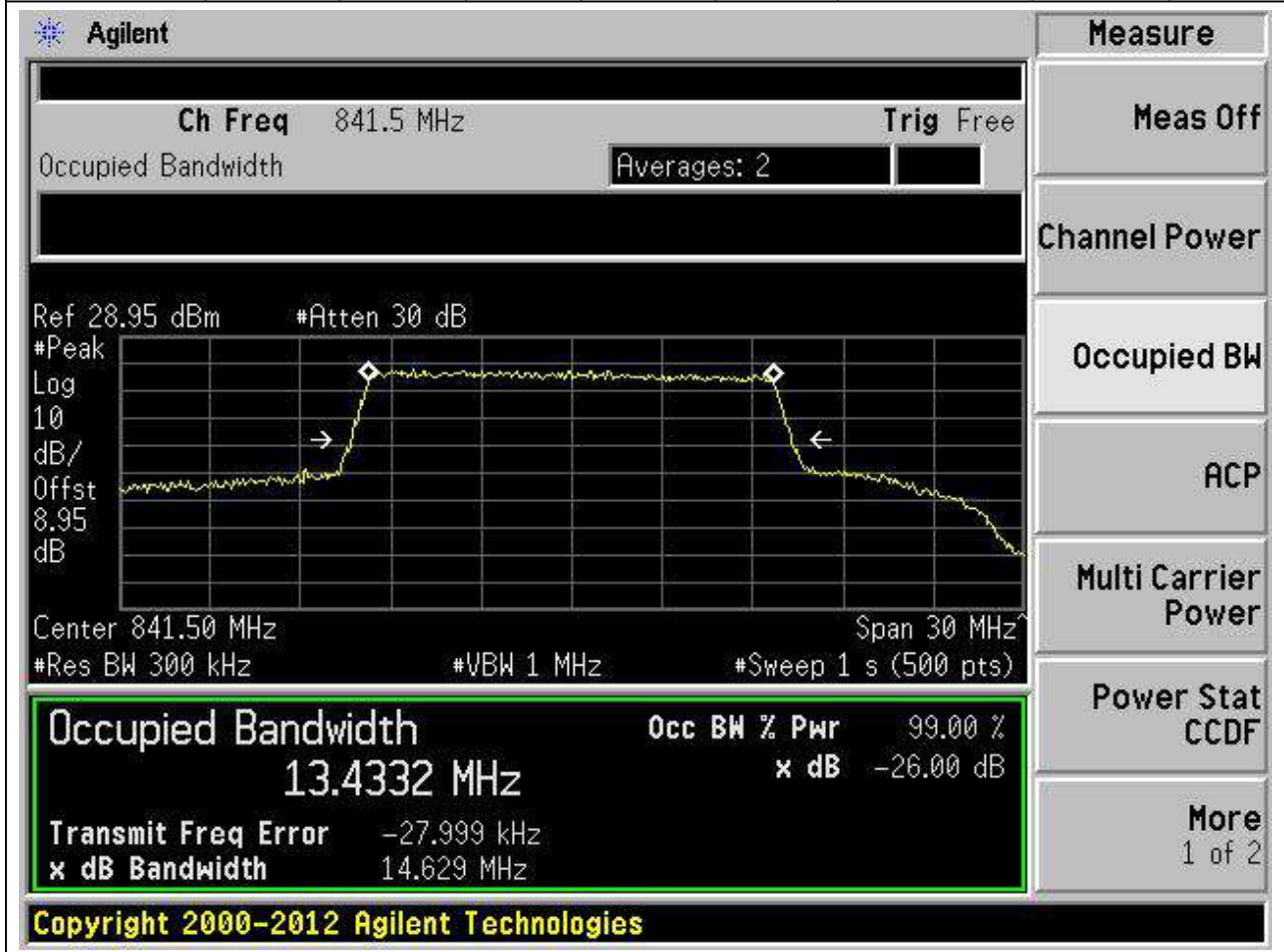
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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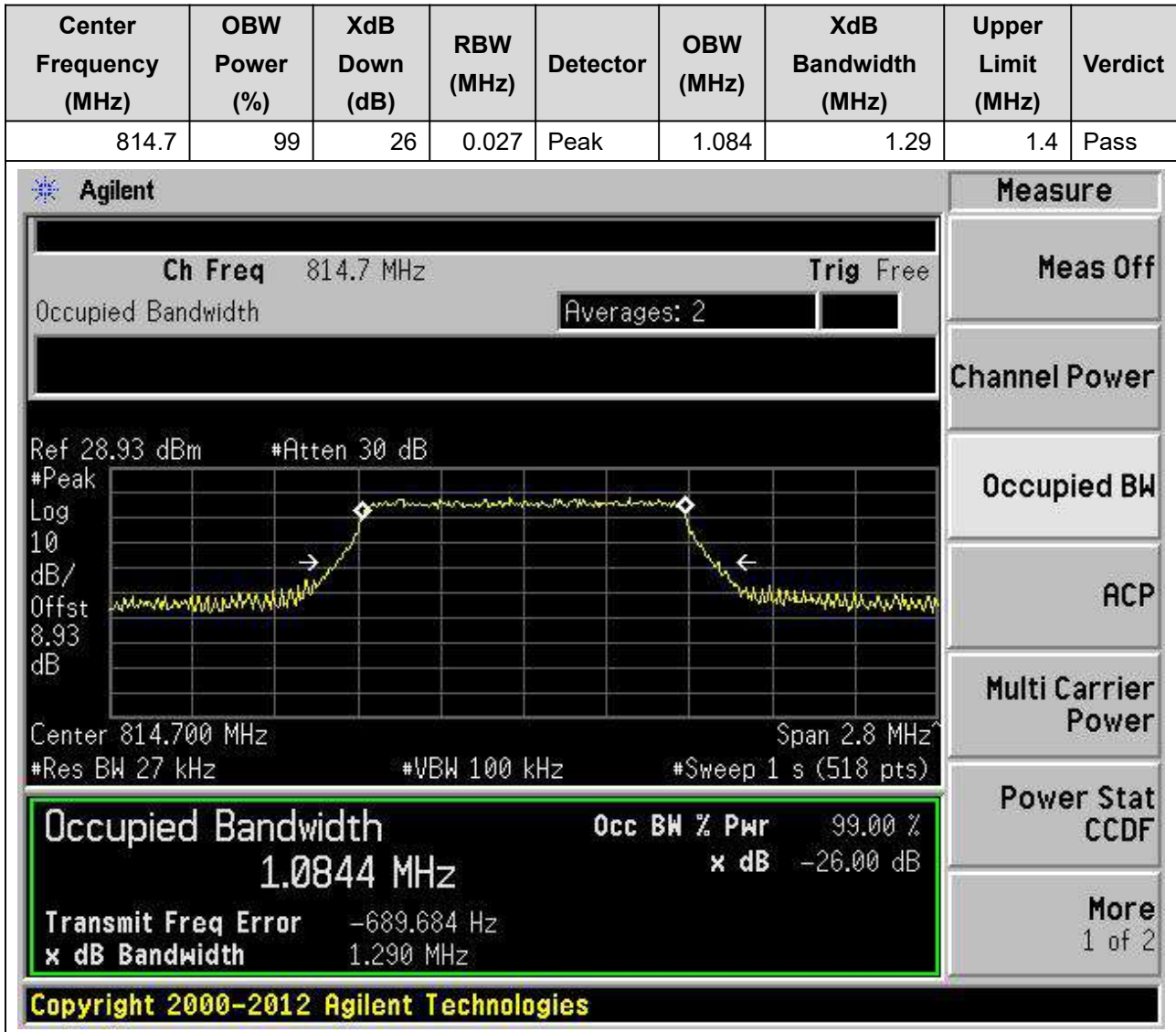
**15.30. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:30, Channel:26965, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.3	Peak	13.433	14.629	15	Pass



## 16. LTE\_Band26(part90)

### 16.1. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:1, Channel:26697, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)





**16.2. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:2, Channel:26697, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
814.7	99	26	0.027	Peak	1.094	1.301	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 814.700 MHz, and the span is 2.8 MHz. The occupied bandwidth is highlighted as 1.0936 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.763 kHz. The XdB bandwidth is 1.301 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 %
1.0936 MHz	x dB	-26.00 dB
Transmit Freq Error		-1.763 kHz
x dB Bandwidth		1.301 MHz

**16.3. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:3, Channel:26740, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.091	1.292	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 819.000 MHz, and the span is 2.8 MHz. The occupied bandwidth is highlighted as 1.0905 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
1.0905 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot:

- Center: 819.000 MHz
- Span: 2.8 MHz
- Res BW: 27 kHz
- VBW: 100 kHz
- Sweep: 1 s (518 pts)
- Ref: 28.93 dBm
- Atten: 30 dB
- Ch Freq: 819 MHz
- Trig: Free
- Averages: 2

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**16.4. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:4, Channel:26740, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.084	1.269	1.4	Pass

Agilent
Measure

Ch Freq 819 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.93 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.93

dB

Center 819.000 MHz
Span 2.8 MHz

#Res BW 27 kHz
#VBW 100 kHz
#Sweep 1 s (518 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

1.0836 MHz
x dB -26.00 dB

Transmit Freq Error -1.383 kHz

x dB Bandwidth 1.269 MHz

Power Stat CCDF

More 1 of 2

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**16.5. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:5, Channel:26783, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
823.3	99	26	0.027	Peak	1.09	1.276	1.4	Pass

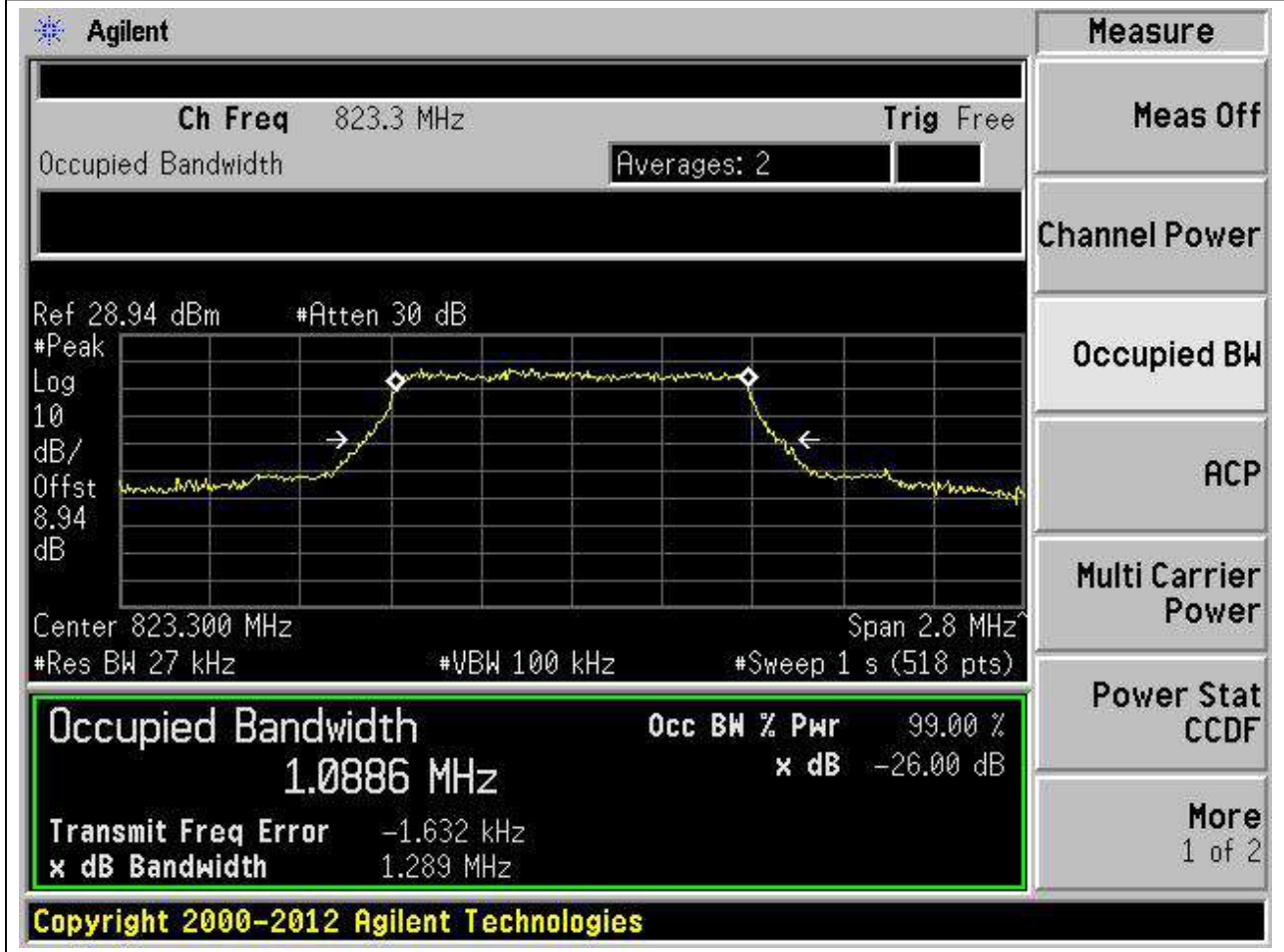
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 823.300 MHz, and the span is 2.8 MHz. The occupied bandwidth is highlighted as 1.0900 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	1.0900 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-207.868 Hz
x dB Bandwidth	1.276 MHz

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**16.6. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:6, Channel:26783, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
823.3	99	26	0.027	Peak	1.089	1.289	1.4	Pass



**16.7. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:7, Channel:26705, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.692	2.924	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 815.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.93 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 8.93 dB, Center 815.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, and #Sweep 1 s (483 pts). A green box highlights the measurement results: Occupied Bandwidth 2.6915 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error 908.869 Hz, and x dB Bandwidth 2.924 MHz. The right 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 shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

**16.8. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:8, Channel:26705, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.688	2.954	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 815.500 MHz and the span is 6 MHz. The occupied bandwidth is highlighted in green with a value of 2.6878 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -620.221 Hz. The XdB bandwidth is 2.954 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 %
2.6878 MHz	x dB	-26.00 dB
Transmit Freq Error		-620.221 Hz
x dB Bandwidth		2.954 MHz

**16.9. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:9, Channel:26740, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.691	2.934	3	Pass

Agilent
Measure

Ch Freq 819 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.93 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.93 dB

Center 819.000 MHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6907 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -1.841 kHz	
<b>x dB Bandwidth</b> 2.934 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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