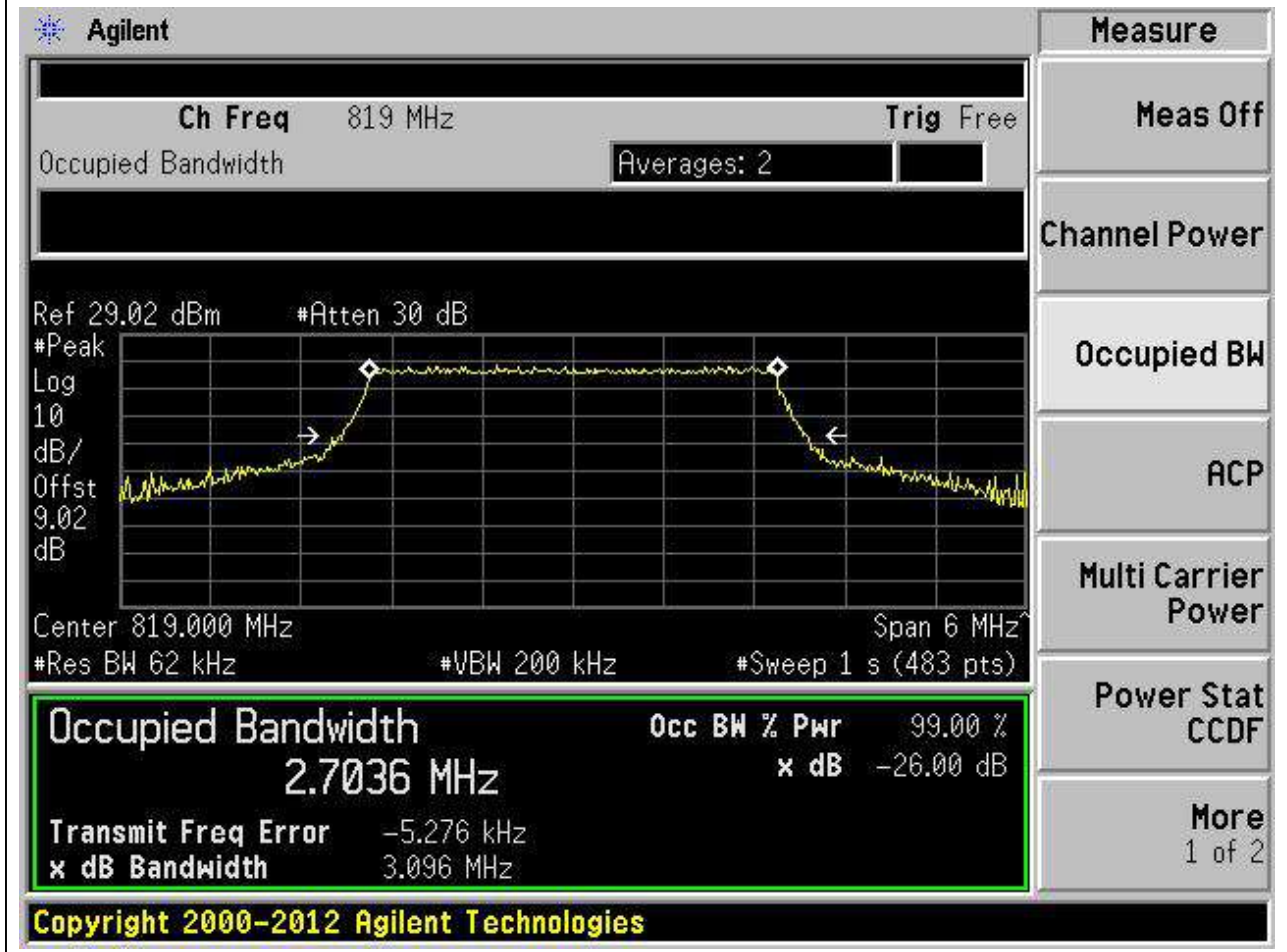


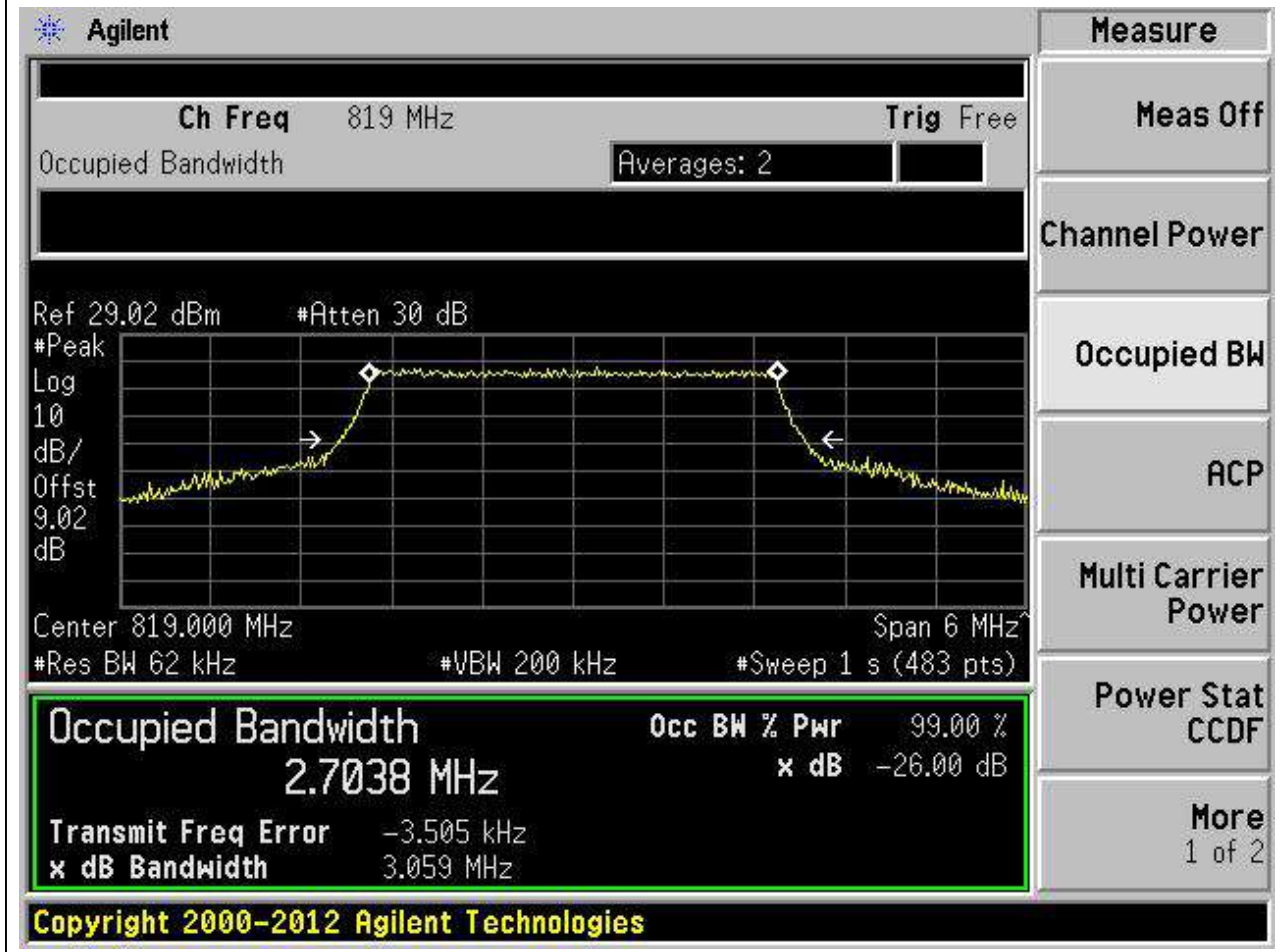
**19.9. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:9, Channel:26740, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

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	2.704	3.096	3	Pass



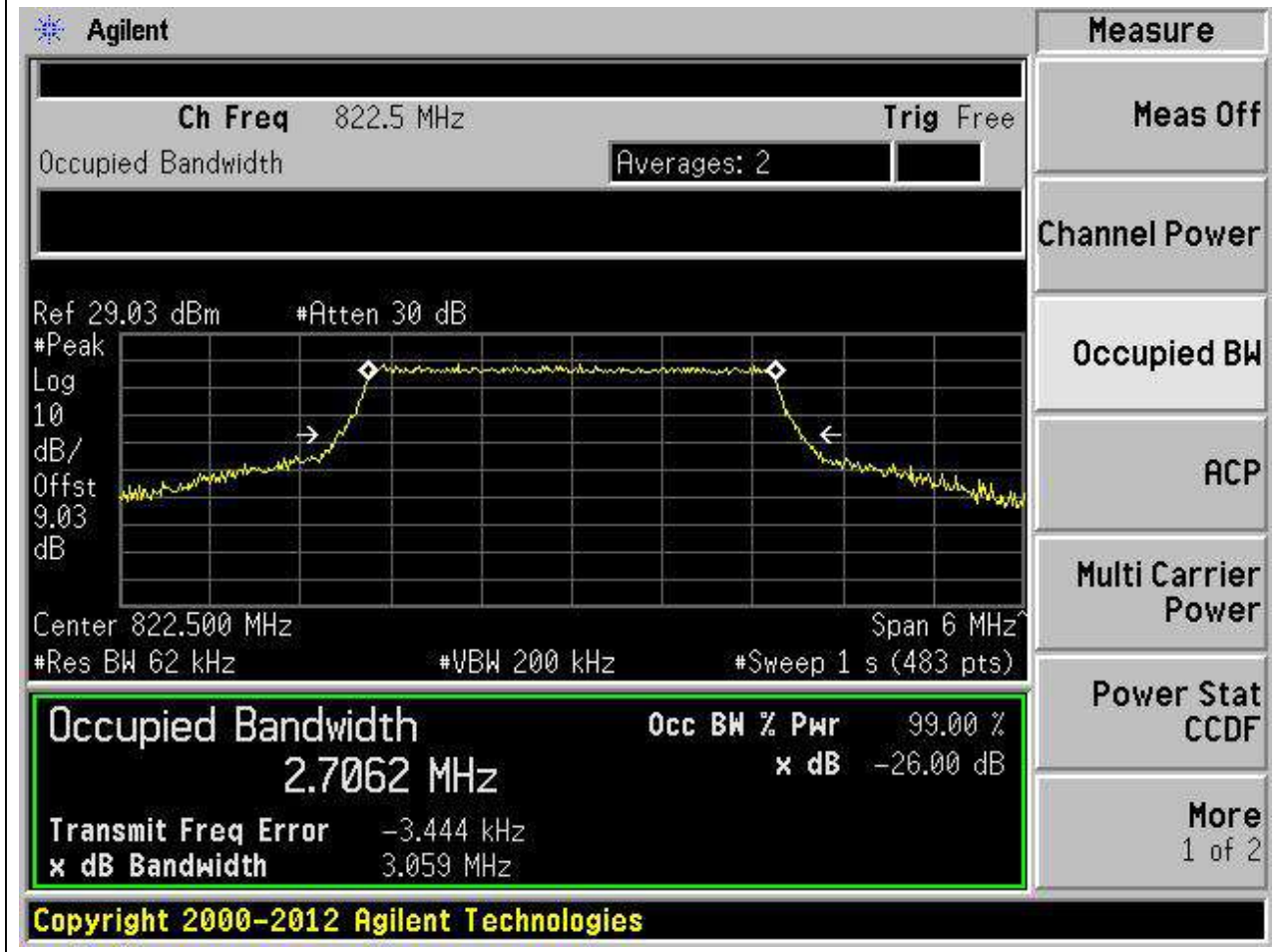
**19.10. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:10, Channel:26740, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.704	3.059	3	Pass



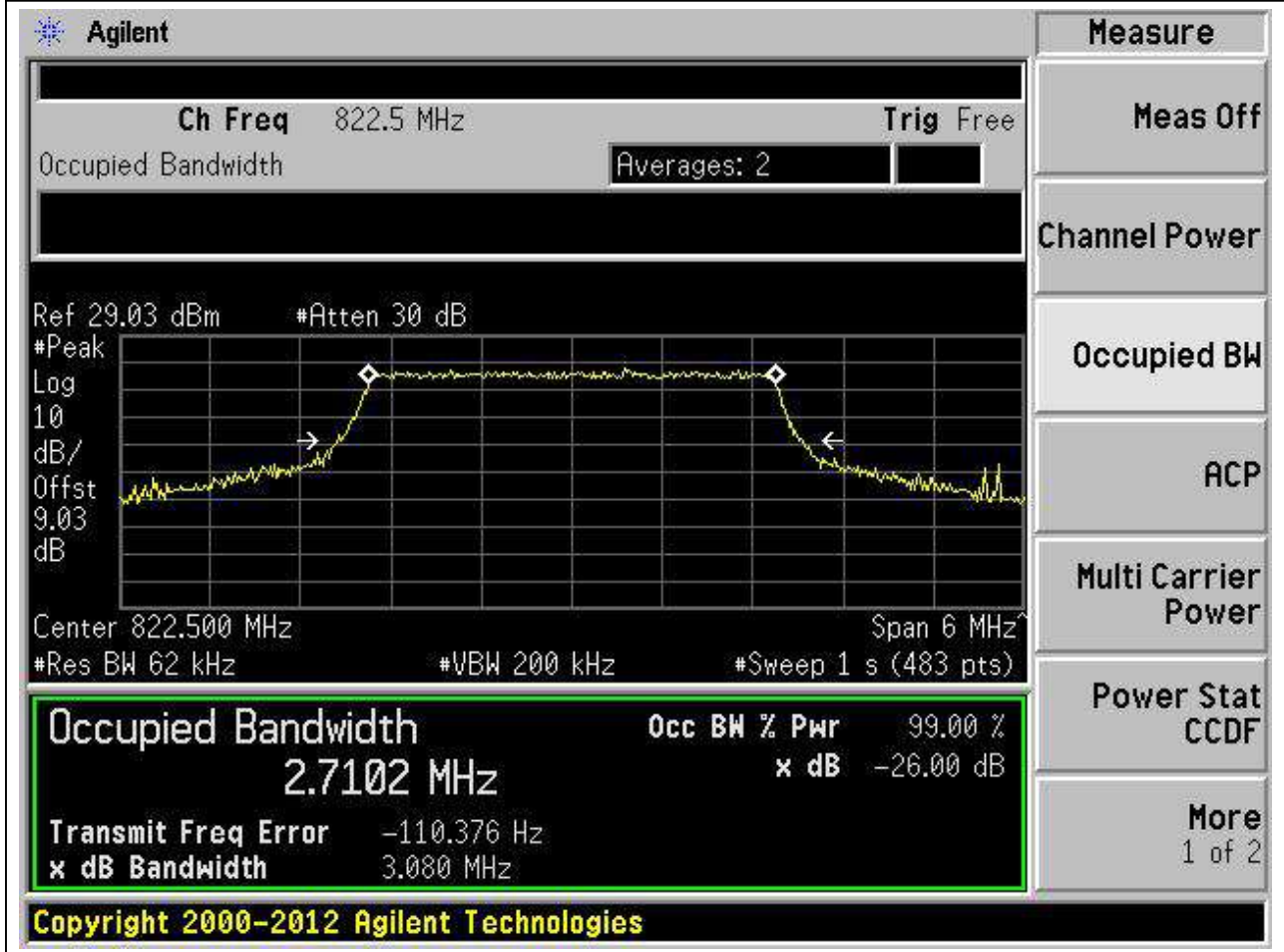
**19.11. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:11, Channel:26775, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.706	3.059	3	Pass



**19.12. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:12, Channel:26775, 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
822.5	99	26	0.062	Peak	2.71	3.08	3	Pass



**19.13. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:13, Channel:26715, 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
816.5	99	26	0.1	Peak	4.511	5.141	5	Pass

Agilent
Measure

Ch Freq 816.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.01 dBm #Atten 30 dB

Center 816.500 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 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**

**4.5108 MHz**

Transmit Freq Error -1.881 kHz

x dB Bandwidth 5.141 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**19.14. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:14, Channel:26715, 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
816.5	99	26	0.1	Peak	4.509	5.192	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 816.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 s (500 pts). The plot shows a signal with a peak at 816.500 MHz. The occupied bandwidth is 4.5091 MHz, and the power is 99.00%. The XdB bandwidth is 5.192 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -4.831 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5091 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.831 kHz
x dB Bandwidth		5.192 MHz

**19.15. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:15, Channel:26740, 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
819	99	26	0.1	Peak	4.504	5.016	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 819.000 MHz and the span is 10 MHz. The occupied bandwidth is measured as 4.5044 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.785 kHz. The XdB bandwidth is 5.016 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

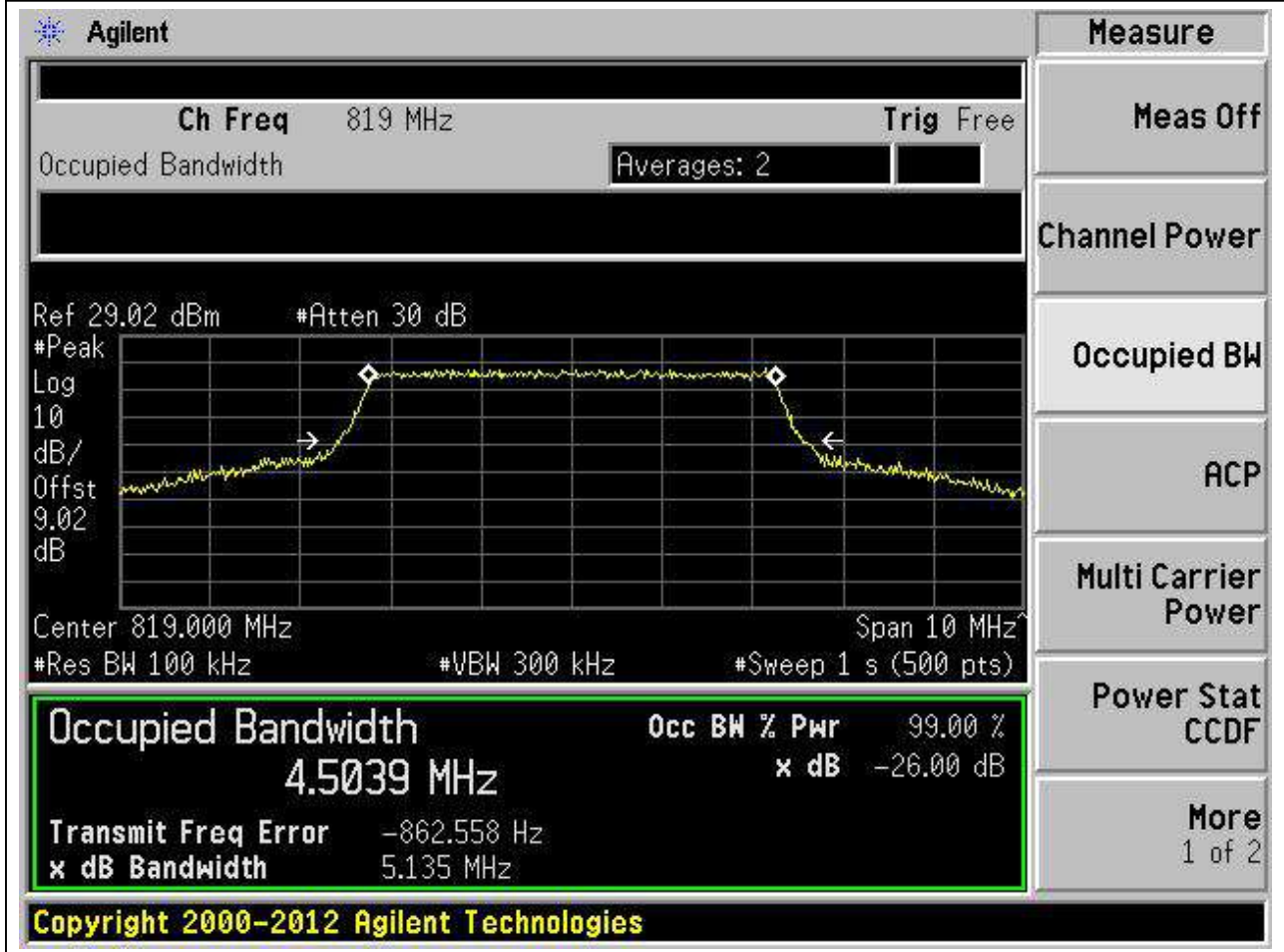
Occupied Bandwidth	Occ BW % Pwr	x dB
4.5044 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -1.785 kHz  
x dB Bandwidth: 5.016 MHz

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**19.16. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:16, Channel:26740, 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
819	99	26	0.1	Peak	4.504	5.135	5	Pass





**19.17. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:17, Channel:26765, 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
821.5	99	26	0.1	Peak	4.514	5.167	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 821.5 MHz and the trigger is set to Free. The main display shows a spectrum plot with a yellow trace. The plot is set to a logarithmic scale (Log 10) with a reference level of 29.03 dBm and an attenuation of 30 dB. The center frequency is 821.500 MHz, the span is 10 MHz, the resolution bandwidth (Res BW) is 100 kHz, the video bandwidth (VBW) is 300 kHz, and the sweep time is 1 s (500 pts). The occupied bandwidth is highlighted in a green box, showing a value of 4.5141 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is -26.00 dB. Other parameters shown include a transmit frequency error of -12.881 kHz and an XdB bandwidth of 5.167 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5141 MHz	x dB	-26.00 dB
Transmit Freq Error	-12.881 kHz	
x dB Bandwidth	5.167 MHz	

**19.18. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:18, Channel:26765, 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
821.5	99	26	0.1	Peak	4.502	5.145	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 821.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is labeled with 'Ref 29.03 dBm' and '#Atten 30 dB'. The y-axis is labeled '#Peak Log 10 dB/Offst 9.03 dB'. The x-axis is labeled 'Center 821.500 MHz' and 'Span 10 MHz'. Below the plot, the following parameters are displayed: '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 4.5020 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -6.905 kHz' and 'x dB Bandwidth 5.145 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.

**19.19. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:19, Channel:26740, 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
819	99	26	0.2	Peak	8.975	10.129	10	Pass

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

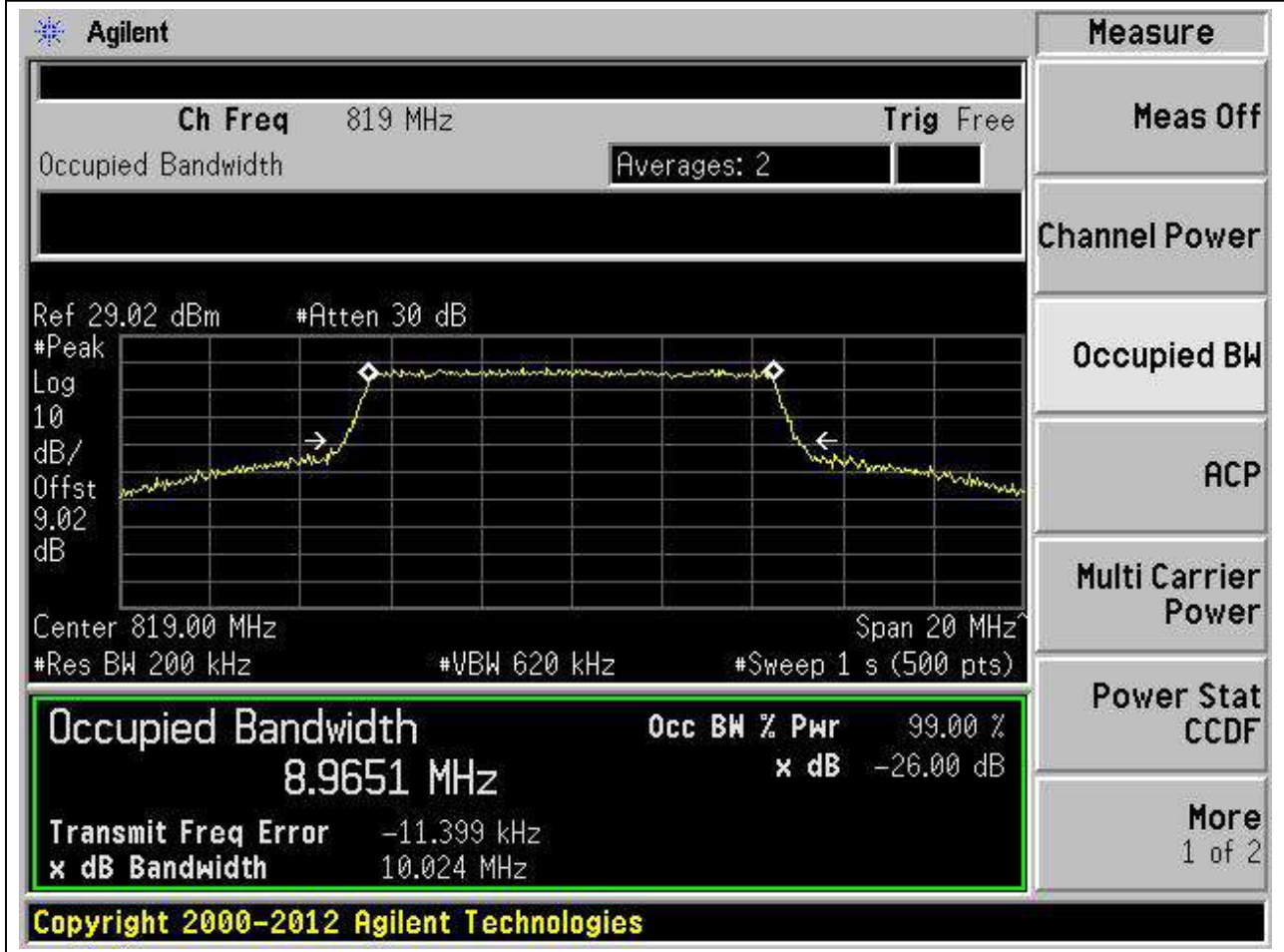
Measurement	Value
Occupied Bandwidth	8.9746 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-2.209 kHz
x dB Bandwidth	10.129 MHz

Other visible parameters include: Ch Freq 819 MHz, Trig Free, Averages: 2, Ref 29.02 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.02 dB, Center 819.00 MHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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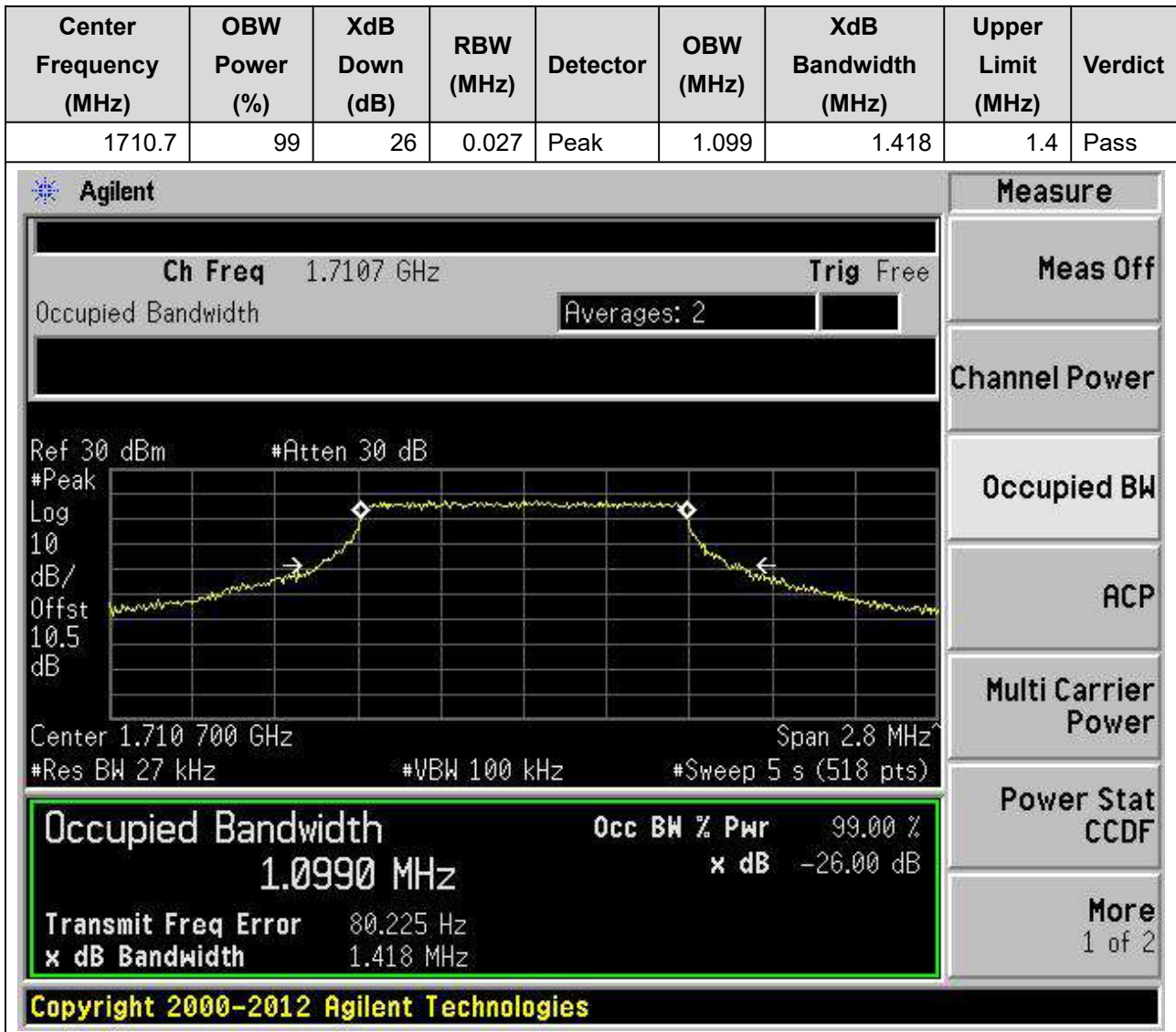
**19.20. LTE Occupied Bandwidth\_Part90(NTNV)(Subtest:20, Channel:26740, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.965	10.024	10	Pass



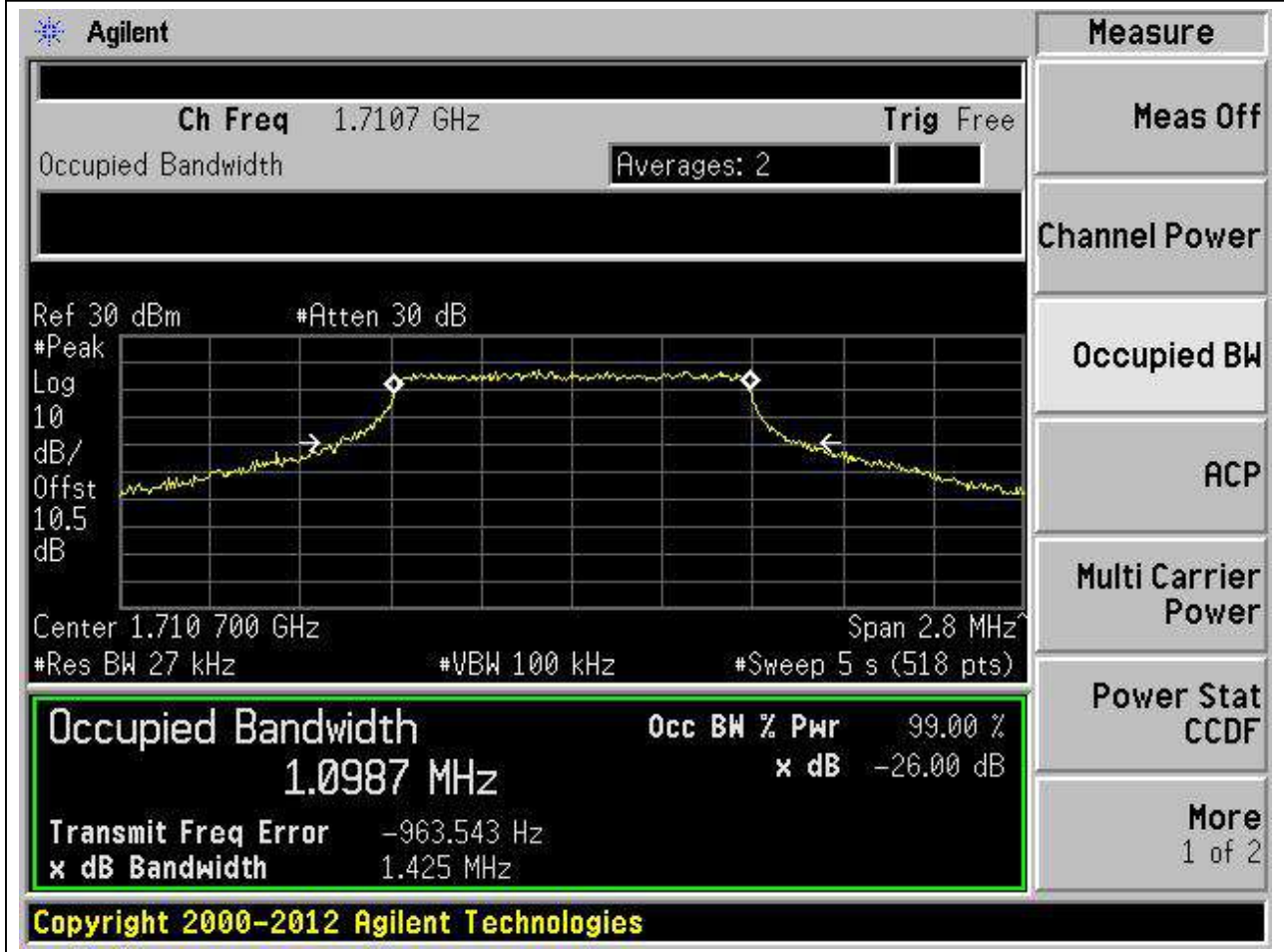
## 20. LTE\_Band66

### 20.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:131979, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



**20.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:131979, 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
1710.7	99	26	0.027	Peak	1.099	1.425	1.4	Pass



**20.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:132322, 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
1745	99	26	0.027	Peak	1.101	1.411	1.4	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.745 000 GHz Span 2.8 MHz

#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.1015 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 747.139 mHz	
<b>x dB Bandwidth</b> 1.411 MHz	

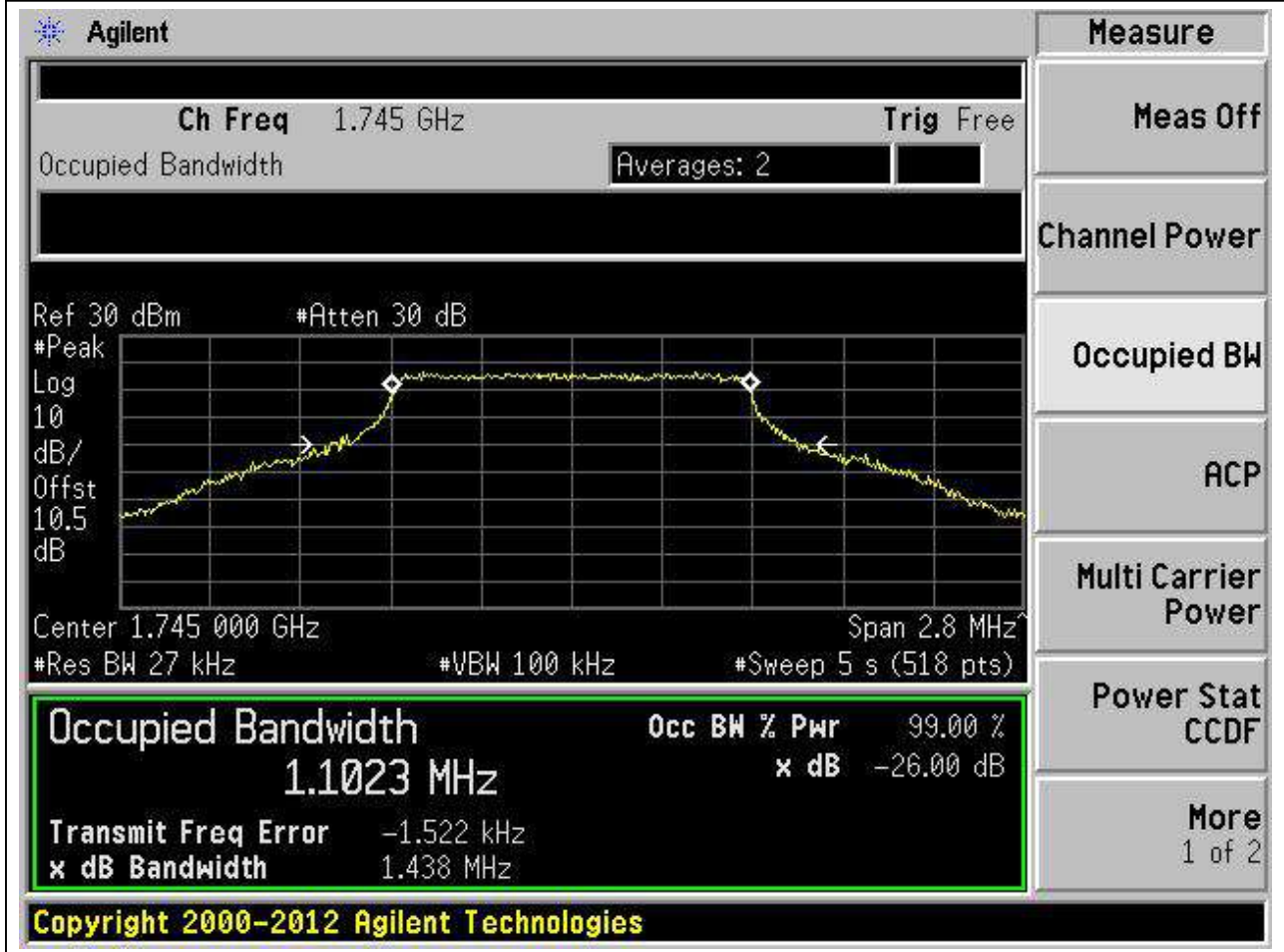
Power Stat CCDF

More 1 of 2

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**20.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:132322, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

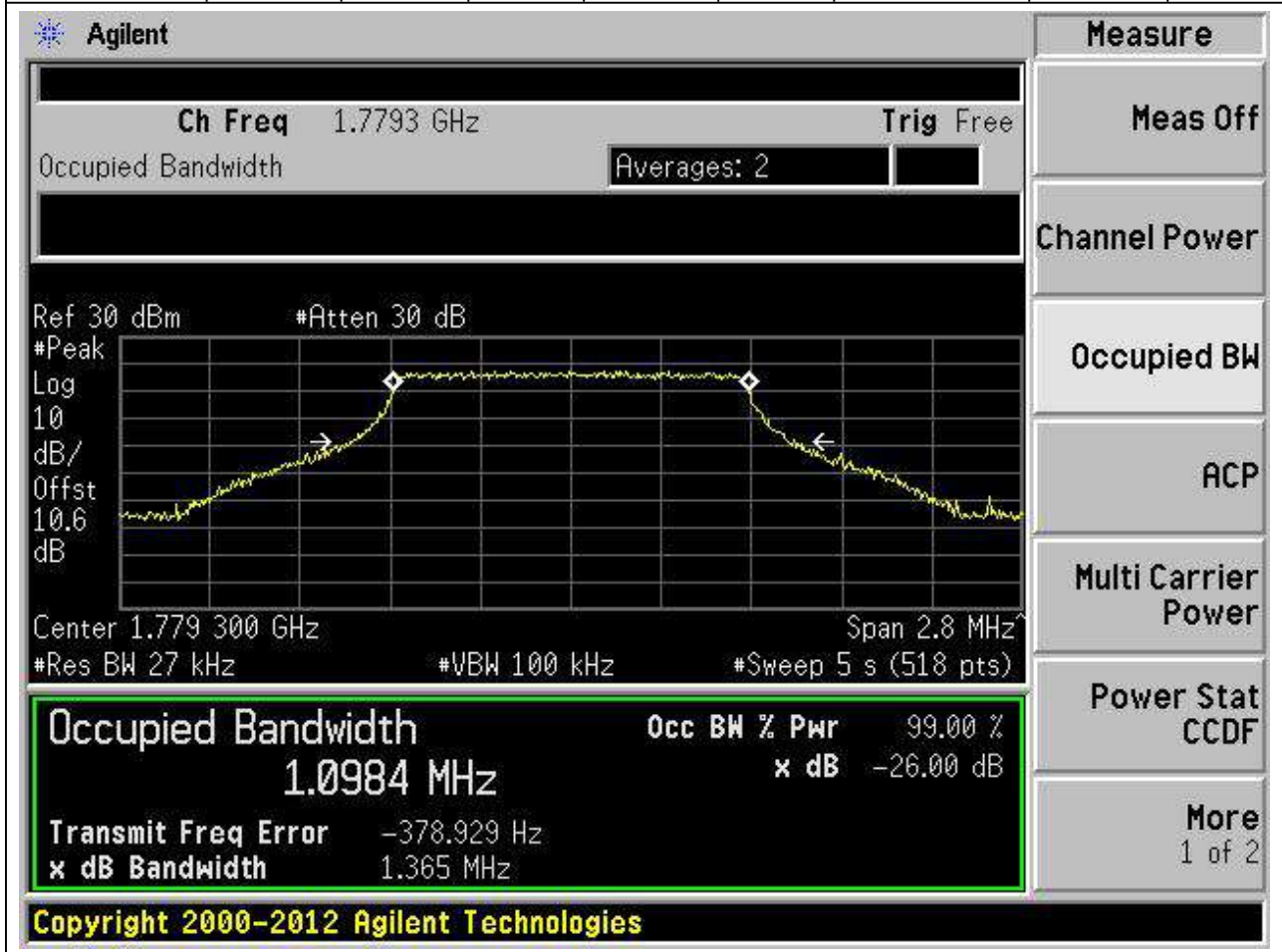
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.027	Peak	1.102	1.438	1.4	Pass





**20.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:132665, 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
1779.3	99	26	0.027	Peak	1.098	1.365	1.4	Pass



**20.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:132665, 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
1779.3	99	26	0.027	Peak	1.104	1.491	1.4	Pass

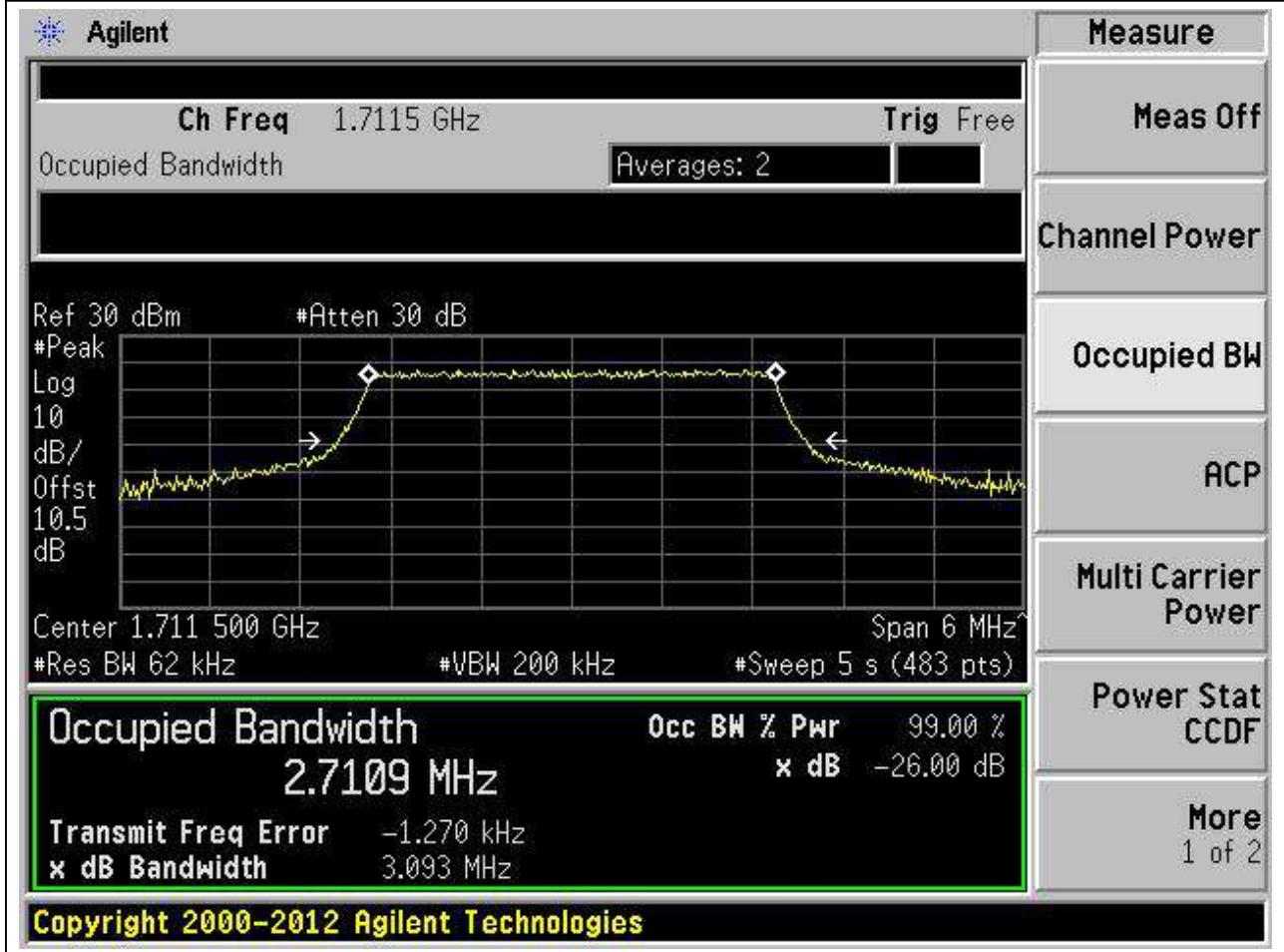
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.7793 GHz and a span of 2.8 MHz. The vertical axis is labeled 'dB' with a 10 dB scale and a 10.6 dB offset. The horizontal axis is labeled 'MHz' with a 27 kHz resolution bandwidth. The plot shows a signal with a peak at approximately 1.7793 GHz. The 'Occupied Bandwidth' is measured as 1.1043 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -531.600 Hz and the 'x dB Bandwidth' is 1.491 MHz. The 'Averages' are set to 2. The 'Trig' is set to 'Free'. The 'Ref' is 30 dBm and the '#Atten' is 30 dB. The 'Sweep' is 5 s (518 pts). The 'Power Stat' is CCDF. The 'More' button shows 1 of 2.

Occupied Bandwidth	Occ BW % Pwr	x dB
1.1043 MHz	99.00 %	-26.00 dB

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**202.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:131987, 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
1711.5	99	26	0.062	Peak	2.711	3.093	3	Pass



**20.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:131987, 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
1711.5	99	26	0.062	Peak	2.708	3.113	3	Pass

Agilent
Measure

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.711 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.7084 MHz	x dB -26.00 dB
Transmit Freq Error 1.697 kHz	
x dB Bandwidth 3.113 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**20.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:132322, 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
1745	99	26	0.062	Peak	2.71	3.12	3	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.745 000 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

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

**2.7098 MHz** x dB -26.00 dB

Transmit Freq Error -4.249 kHz

x dB Bandwidth 3.120 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**20.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:132322, 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
1745	99	26	0.062	Peak	2.717	3.071	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.745 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 plot shows a signal with a peak at approximately 1.745 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 2.7169 MHz. Other parameters shown include 'Transmit Freq Error -1.871 kHz' and 'x dB Bandwidth 3.071 MHz'. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.7169 MHz	99.00 %	-26.00 dB

**20.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:132657, 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
1778.5	99	26	0.062	Peak	2.707	3.091	3	Pass

Agilent
Measure

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Center 1.778 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**2.7068 MHz**

Transmit Freq Error -2.413 kHz

x dB Bandwidth 3.091 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**20.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:132657, 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
1778.5	99	26	0.062	Peak	2.708	3.066	3	Pass

Agilent
Measure

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.778 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.7076 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -5.258 kHz	
<b>x dB Bandwidth</b> 3.066 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

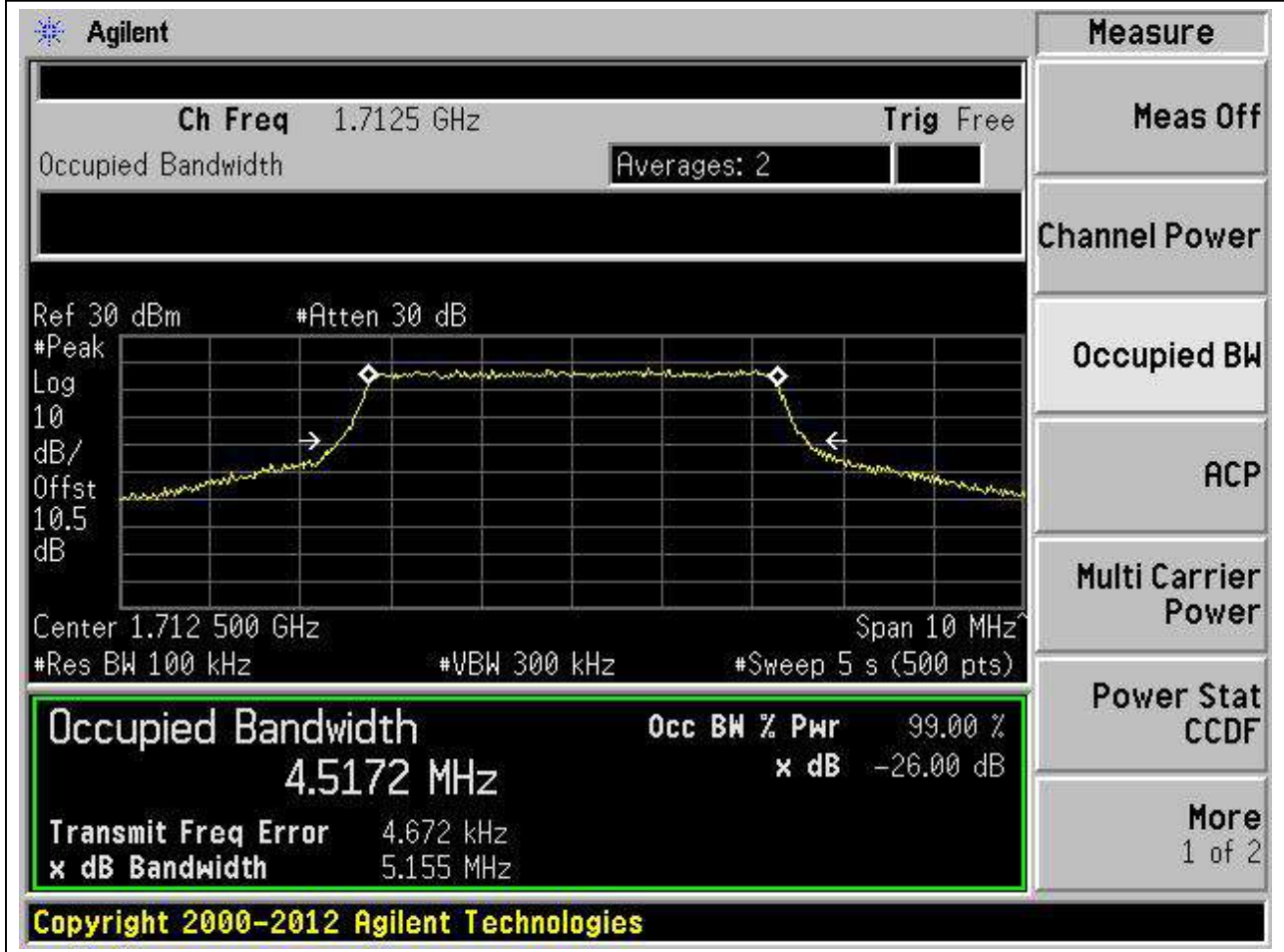
Power Stat CCDF

More 1 of 2



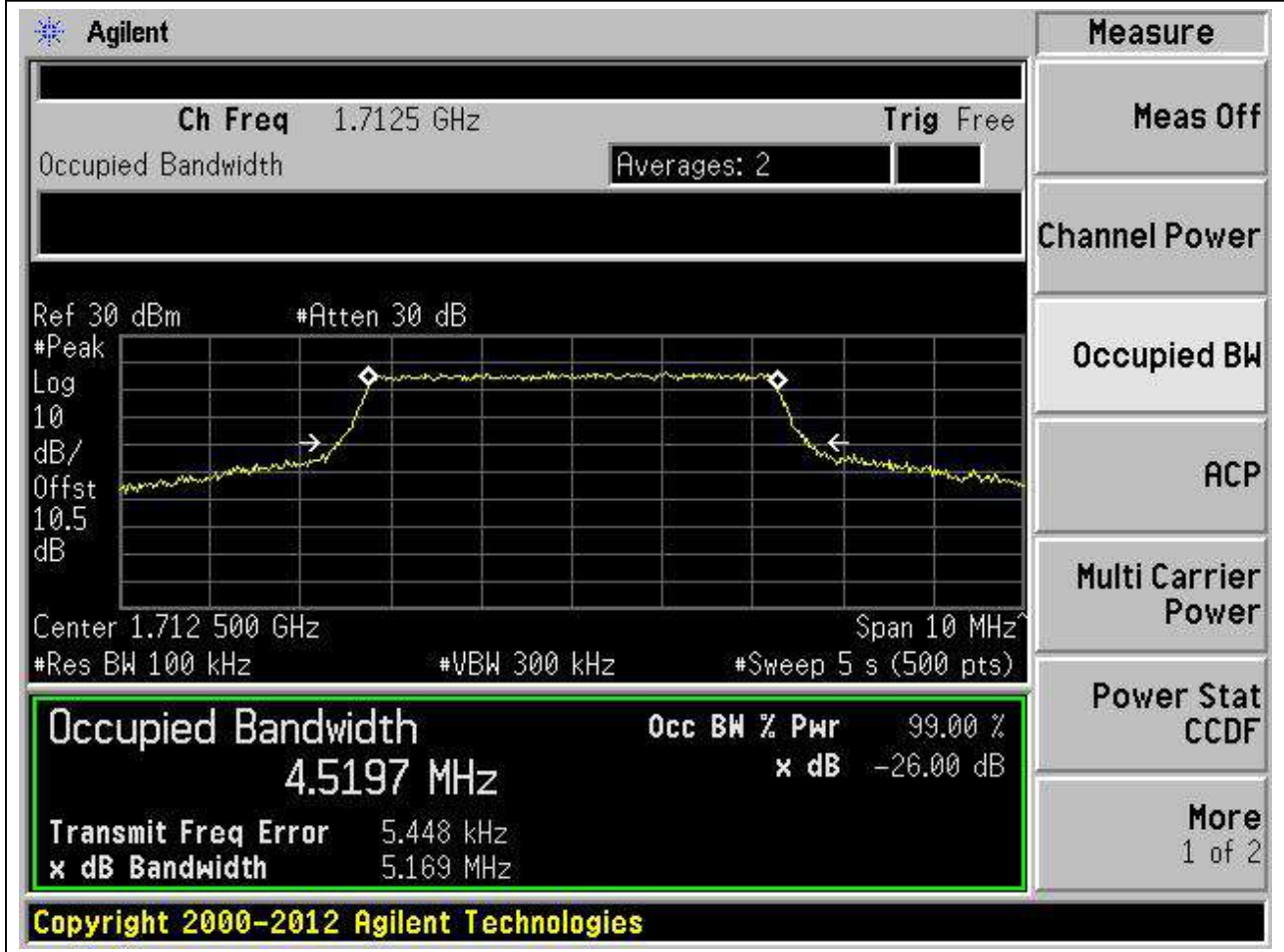
**20.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:131997, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.517	5.155	5	Pass



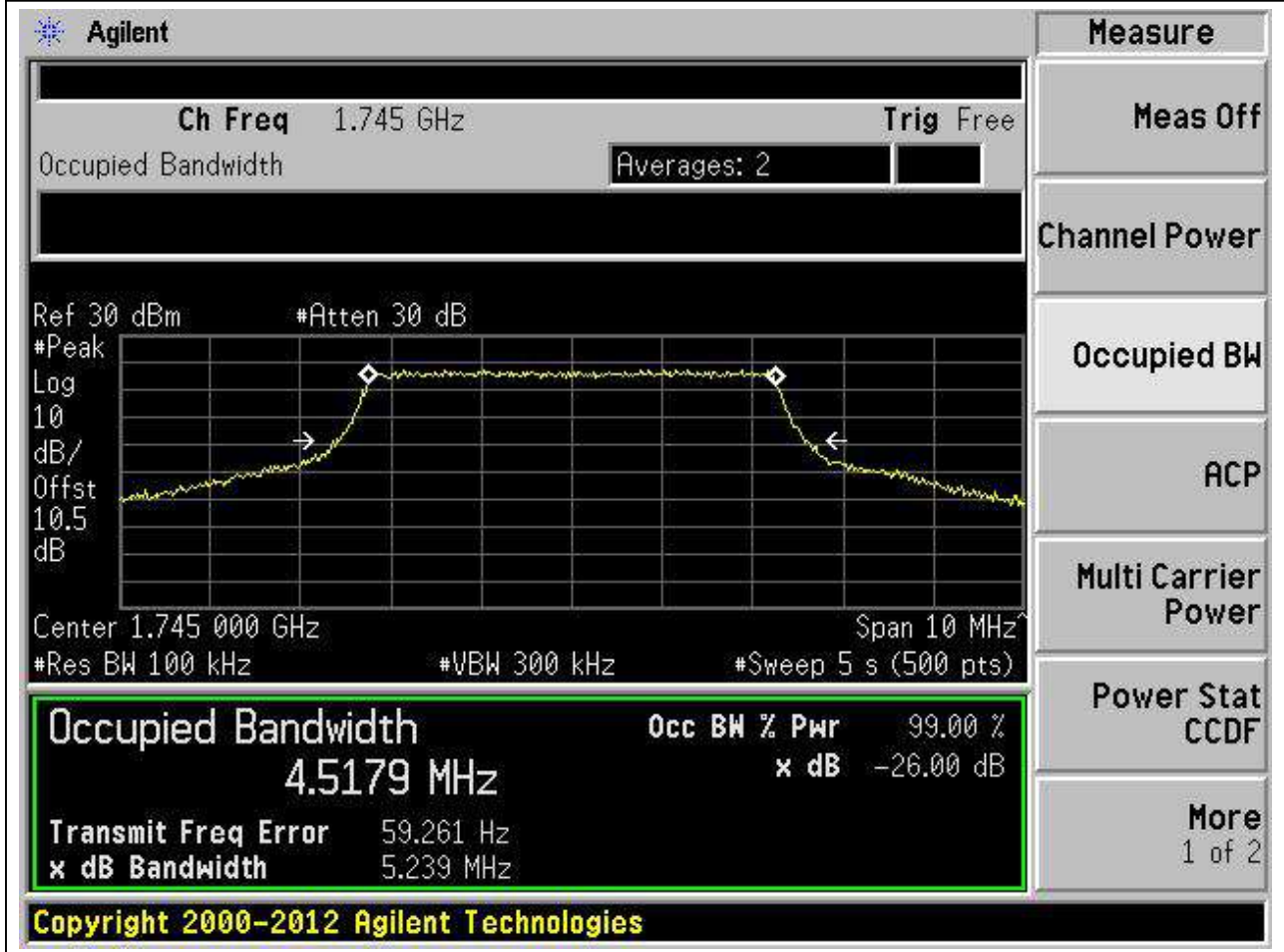
**20.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:131997, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.52	5.169	5	Pass



**20.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:132322, 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
1745	99	26	0.1	Peak	4.518	5.239	5	Pass



**20.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:132322, 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
1745	99	26	0.1	Peak	4.507	5.183	5	Pass

Agilent

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

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.745 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.5075 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -2.841 kHz	
<b>x dB Bandwidth</b> 5.183 MHz	

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**20.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:132647, 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
1777.5	99	26	0.1	Peak	4.517	5.24	5	Pass

Agilent
Measure

Ch Freq 1.7775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.777 500 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.5170 MHz**

Transmit Freq Error -7.094 kHz

x dB Bandwidth 5.240 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**20.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:132647, 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
1777.5	99	26	0.1	Peak	4.519	5.166	5	Pass

Agilent
Measure

Ch Freq 1.7775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.777 500 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.5186 MHz**

Transmit Freq Error -5.902 kHz

x dB Bandwidth 5.166 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**20.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:132022, 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
1715	99	26	0.2	Peak	8.994	10.107	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.715 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9940 MHz**

Transmit Freq Error 12.554 kHz

x dB Bandwidth 10.107 MHz

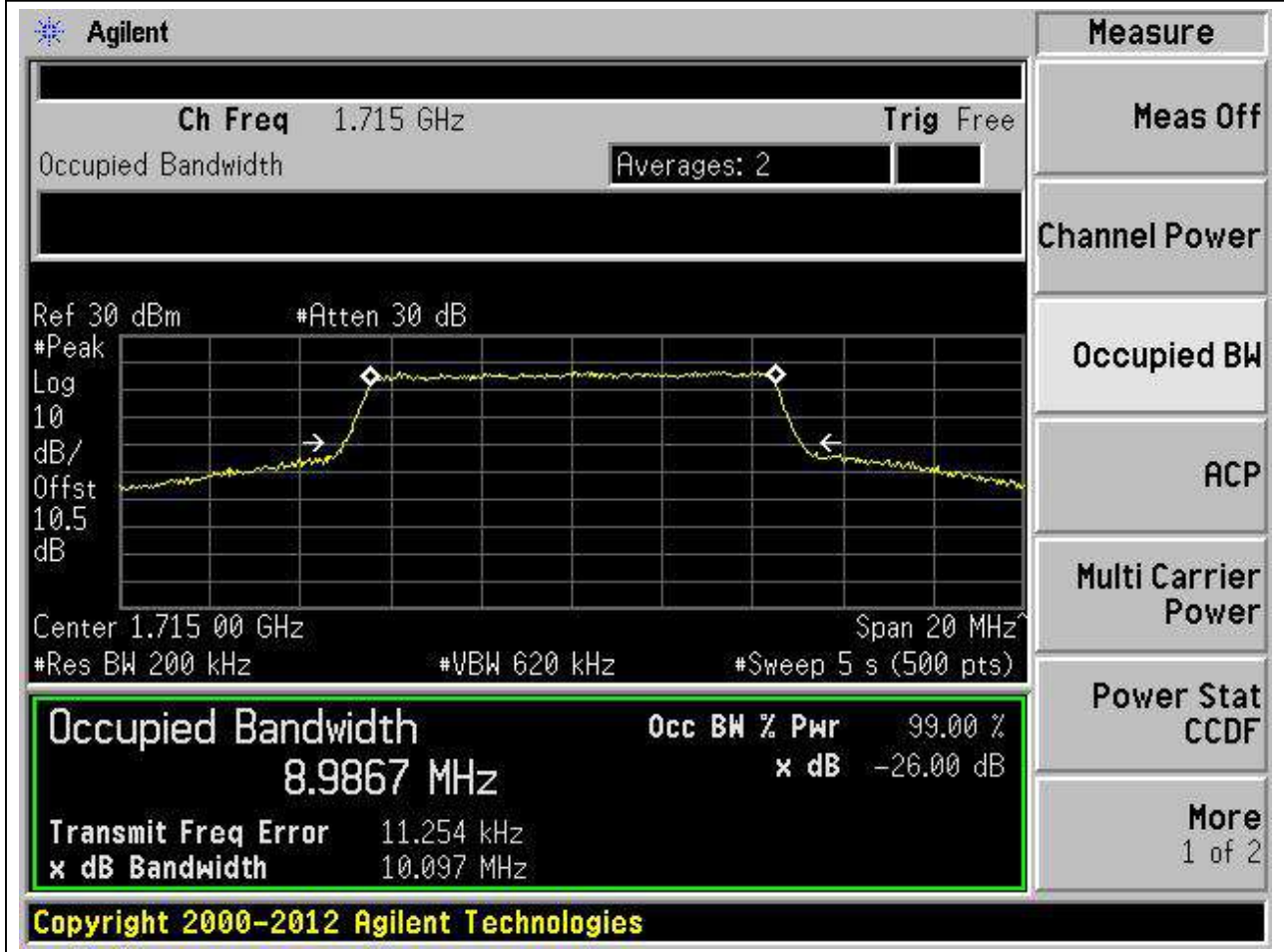
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**20.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:132022, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

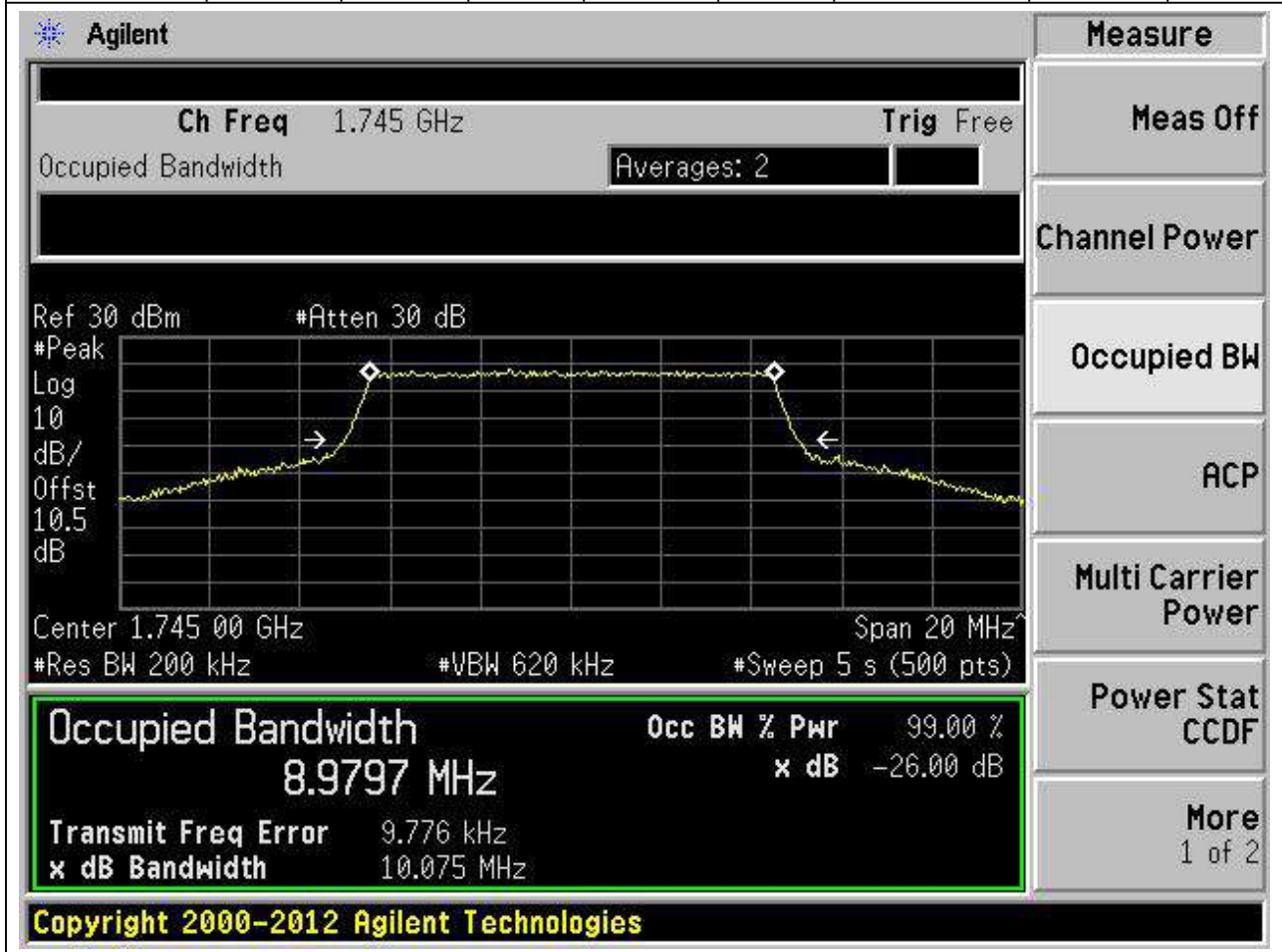
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.987	10.097	10	Pass





**20.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:132322, 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
1745	99	26	0.2	Peak	8.98	10.075	10	Pass



**20.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:132322, 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
1745	99	26	0.2	Peak	8.998	10.121	10	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.745 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9982 MHz**

Transmit Freq Error 4.532 kHz

x dB Bandwidth 10.121 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**20.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:132622, 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
1775	99	26	0.2	Peak	8.986	10.068	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.775 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.6 dB. The plot shows a signal with a flat top and sloping sides. The 'Occupied Bandwidth' is highlighted in a green box with the following data:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9861 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-16.258 kHz
<b>x dB Bandwidth</b>		10.068 MHz

Additional parameters shown at the bottom of the plot area include: Center 1.775 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 5 s (500 pts). The right-hand side of the interface features a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The footer of the screenshot reads 'Copyright 2000-2012 Agilent Technologies'.

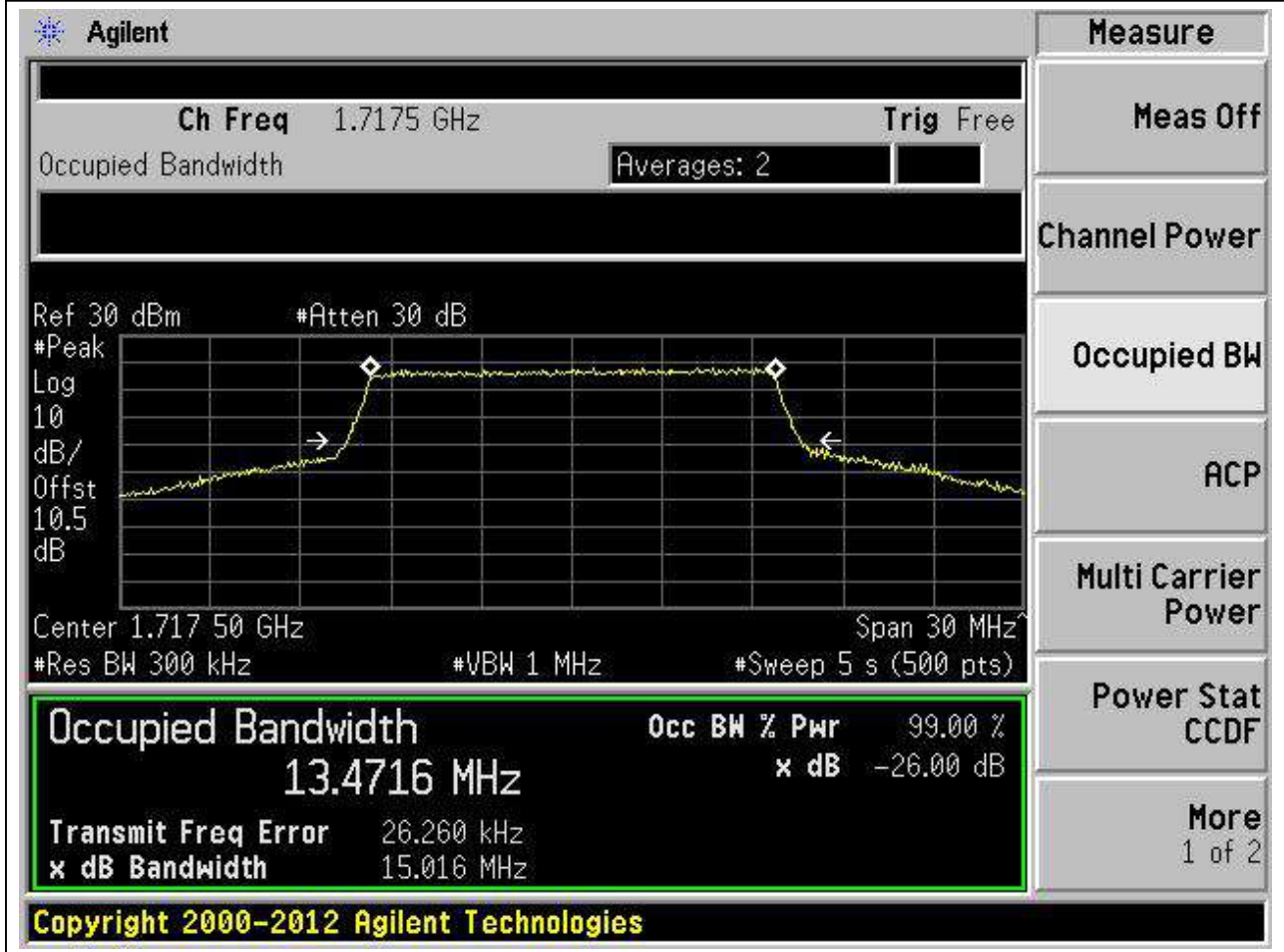
**20.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:132622, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.985	10.15	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.775 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale, 'dB' units, and 'Peak' detection. The center frequency is 1.775 GHz and the span is 20 MHz. The resolution bandwidth (RBW) is 200 kHz and the video bandwidth (VBW) is 620 kHz. The sweep time is 5 seconds with 500 points. The plot shows a signal with a peak at approximately 1.775 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9851 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -2.821 kHz and the 'x dB Bandwidth' is 10.150 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

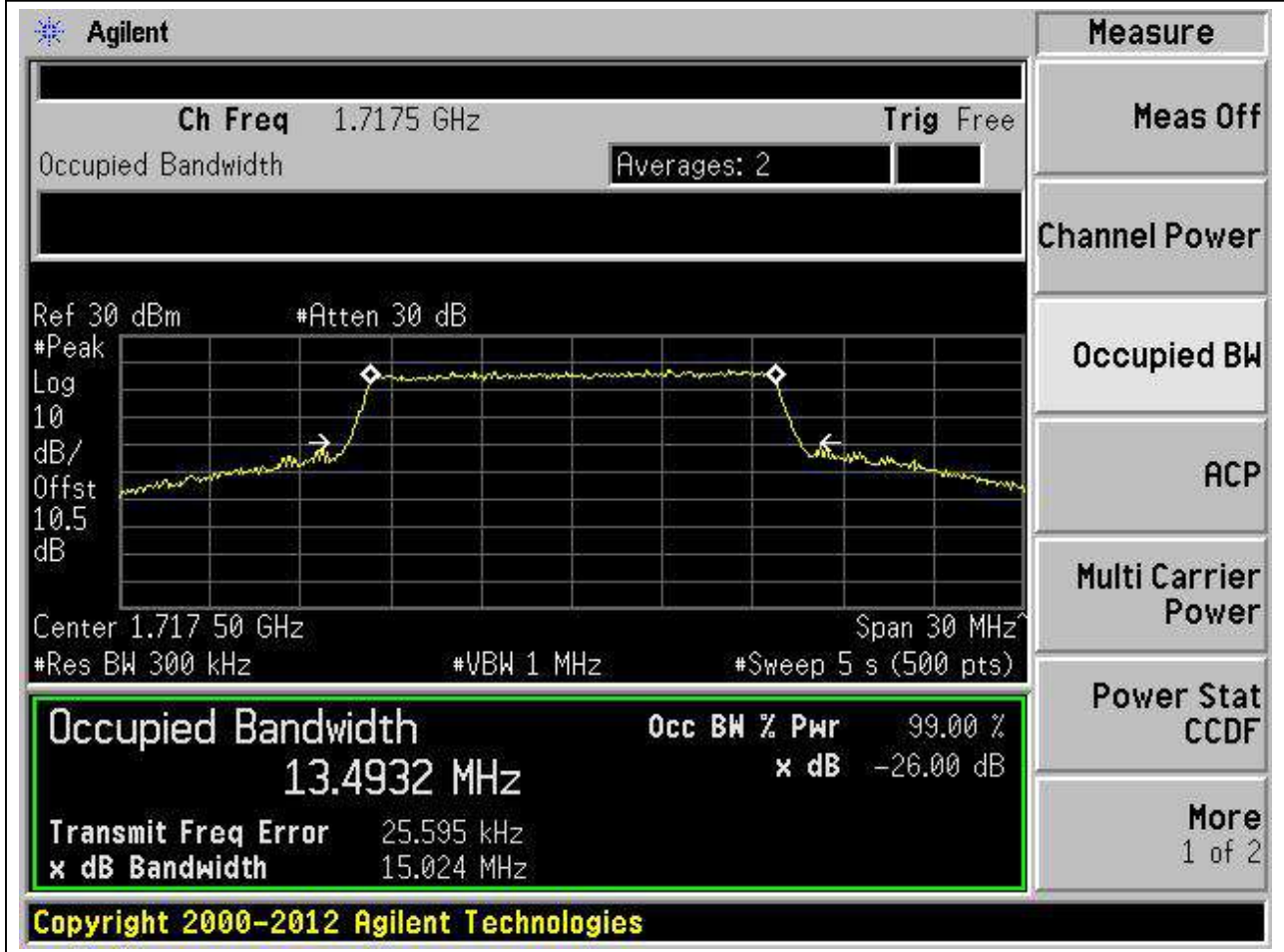
**20.25. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:25, Channel:132047, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.472	15.016	15	Pass



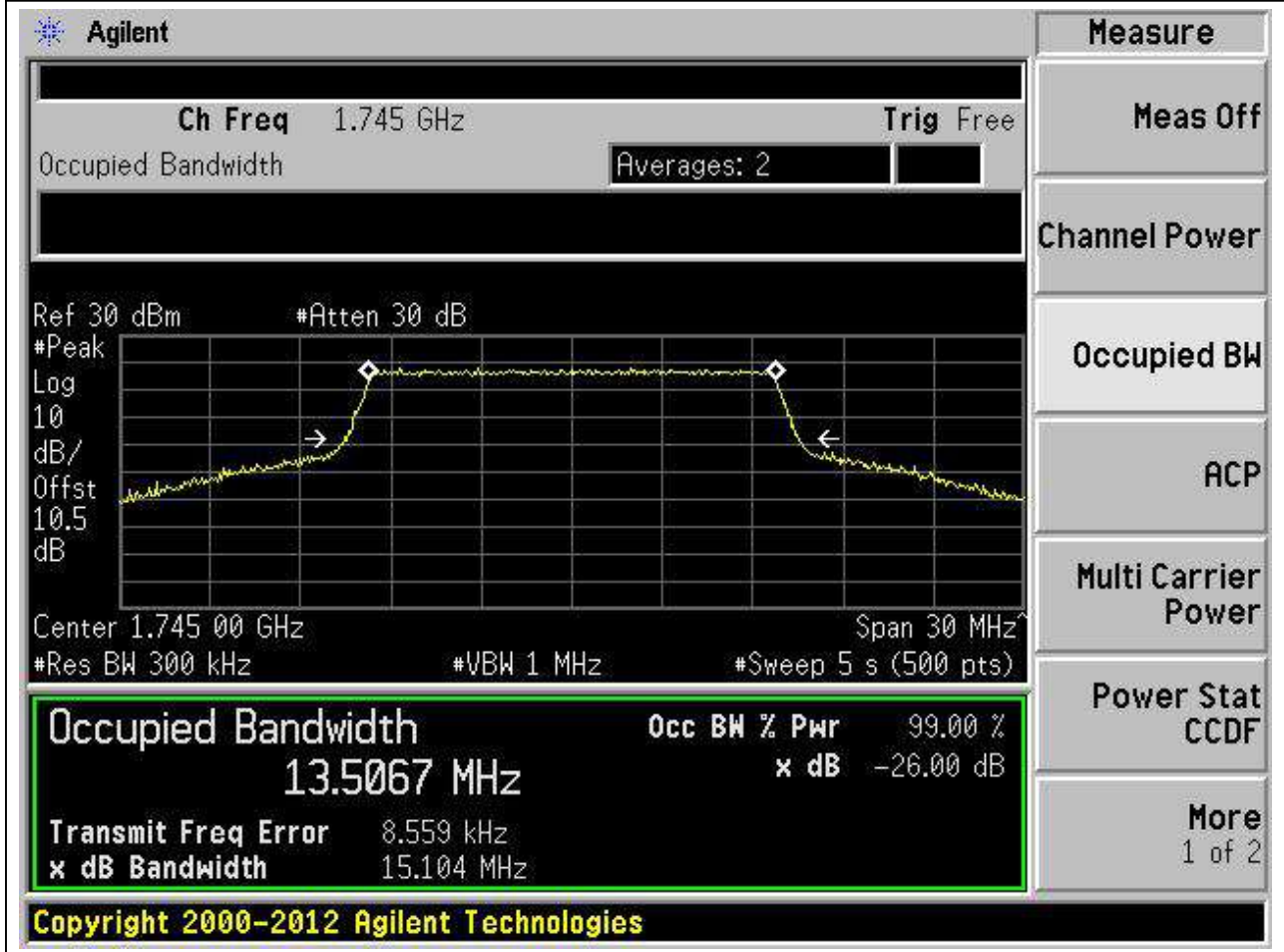
**20.26. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:26, Channel:132047, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.493	15.024	15	Pass



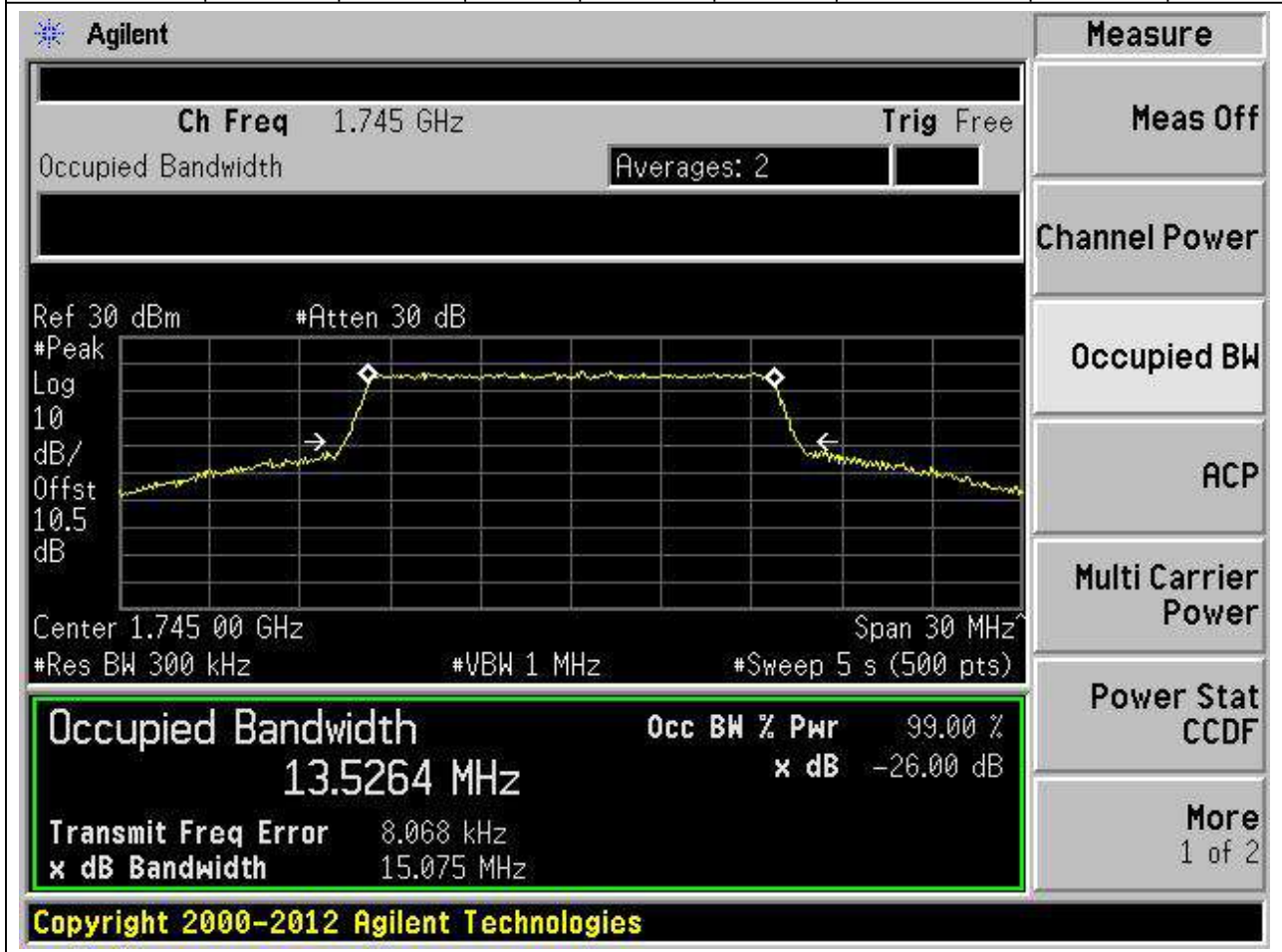
**20.27. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:27, Channel:132322, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.507	15.104	15	Pass



**20.28. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:28, Channel:132322, 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
1745	99	26	0.3	Peak	13.526	15.075	15	Pass





**20.29. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:29, Channel:132597, 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
1772.5	99	26	0.3	Peak	13.481	14.947	15	Pass

Agilent
Measure

Ch Freq 1.7725 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.772 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 5 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**13.4805 MHz**

Transmit Freq Error -9.612 kHz

x dB Bandwidth 14.947 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**20.30. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:30, Channel:132597, 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
1772.5	99	26	0.3	Peak	13.485	15.078	15	Pass

Agilent
Measure

Ch Freq 1.7725 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.772 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 5 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4847 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -11.188 kHz	
<b>x dB Bandwidth</b> 15.078 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

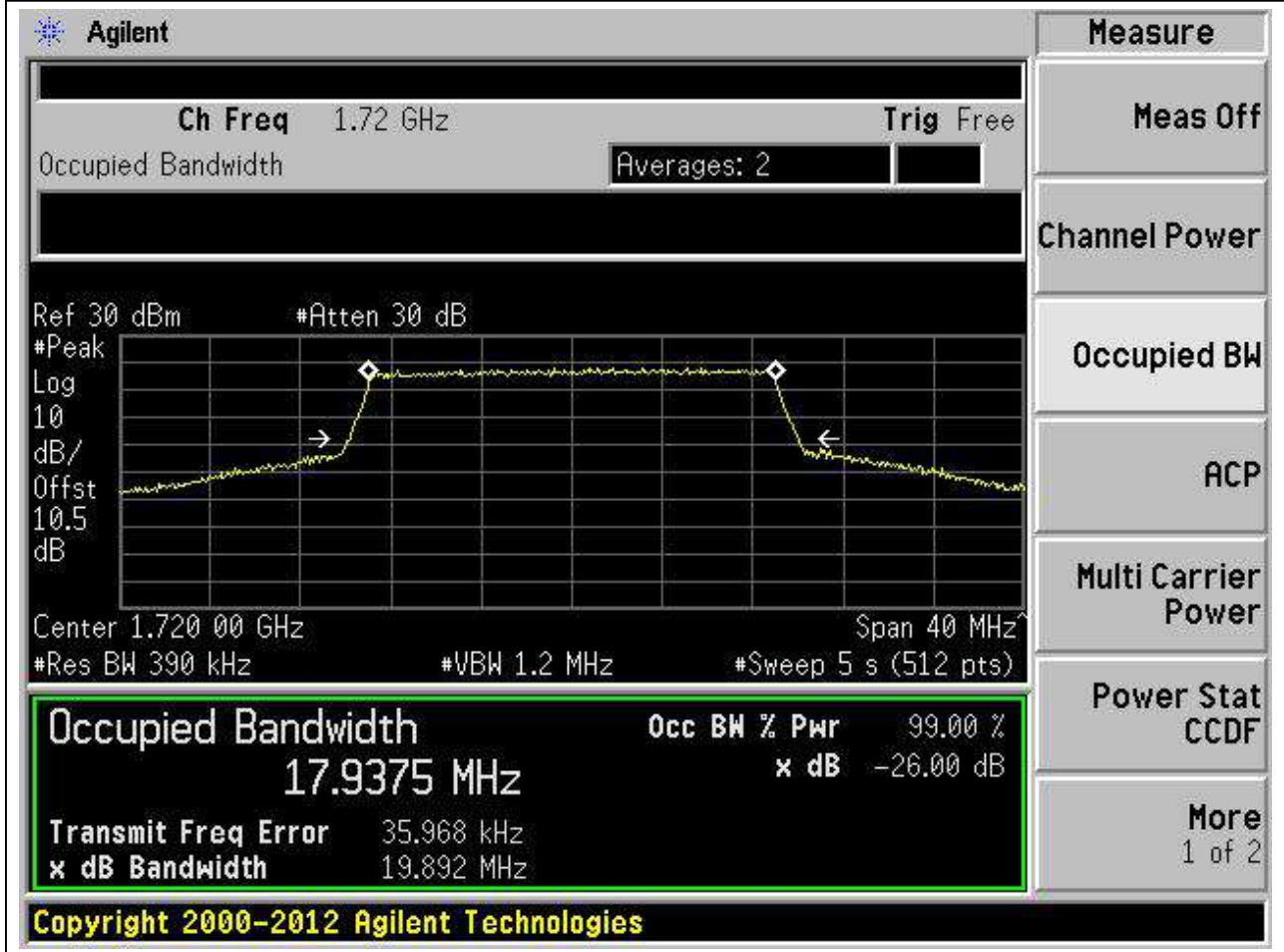
Multi Carrier Power

Power Stat CCDF

More 1 of 2

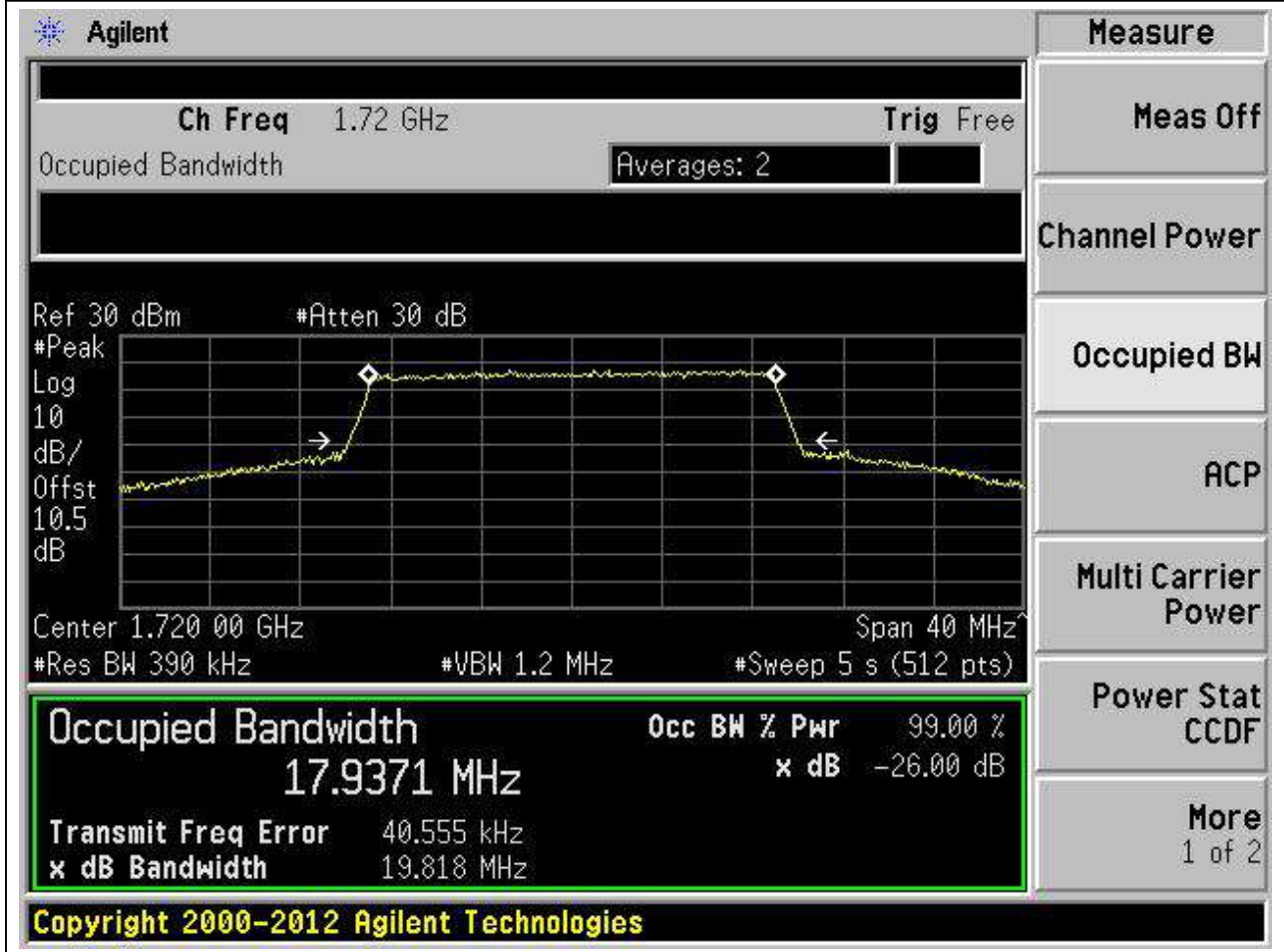
**20.31. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:31, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.938	19.892	20	Pass



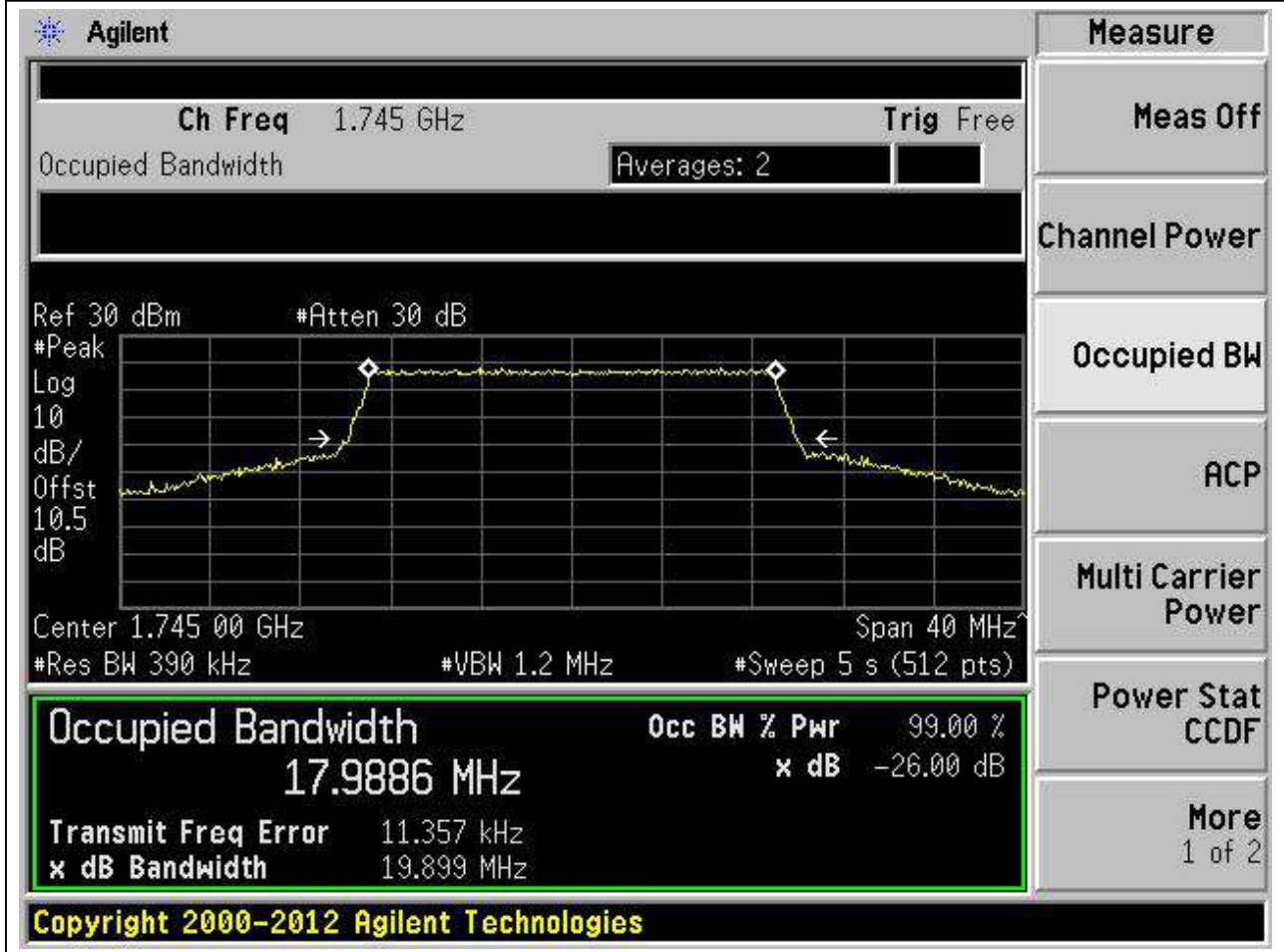
**20.32. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:32, Channel:132072, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.937	19.818	20	Pass



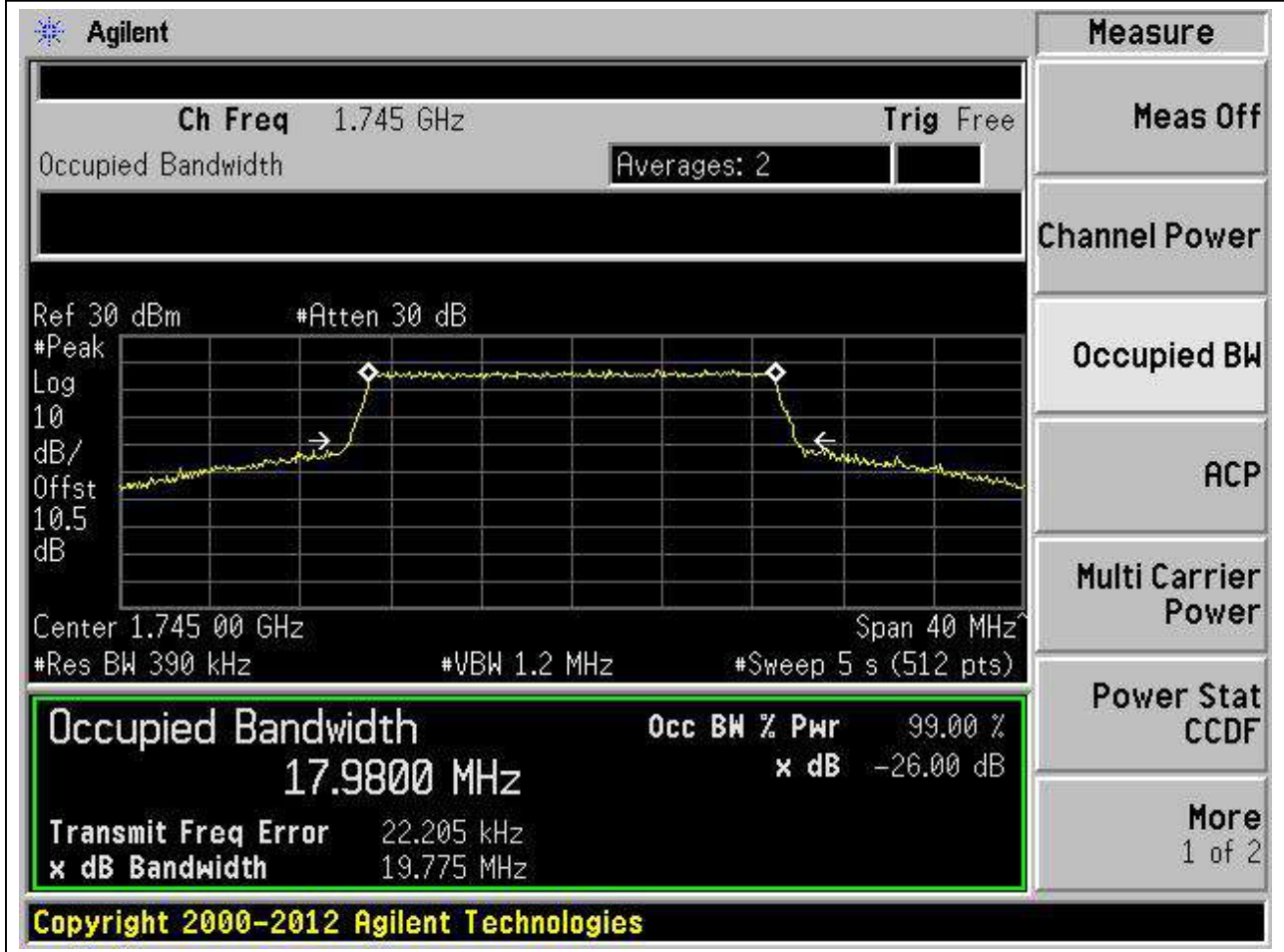
**20.33. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:33, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.989	19.899	20	Pass



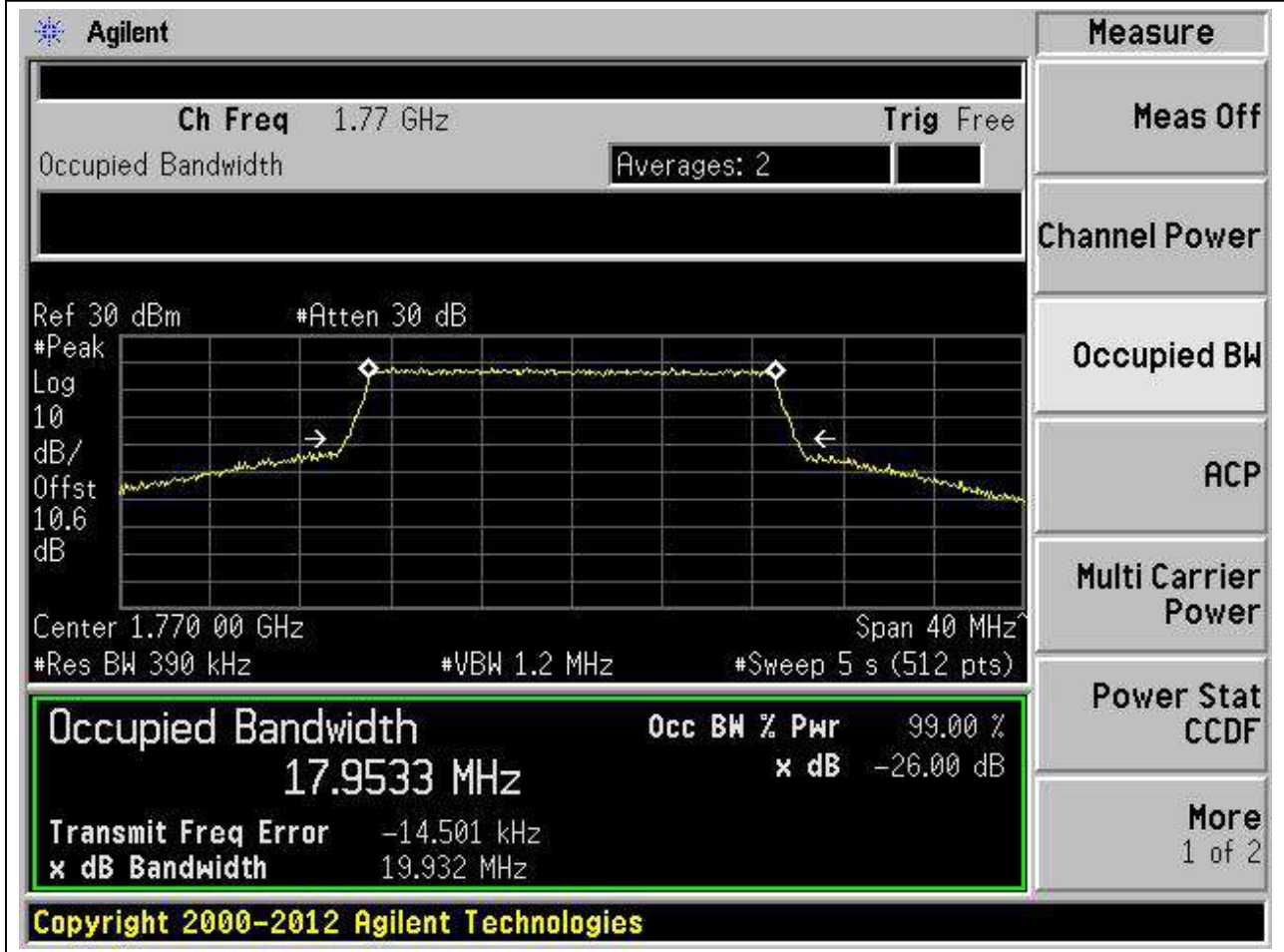
**20.34. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:34, Channel:132322, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.98	19.775	20	Pass



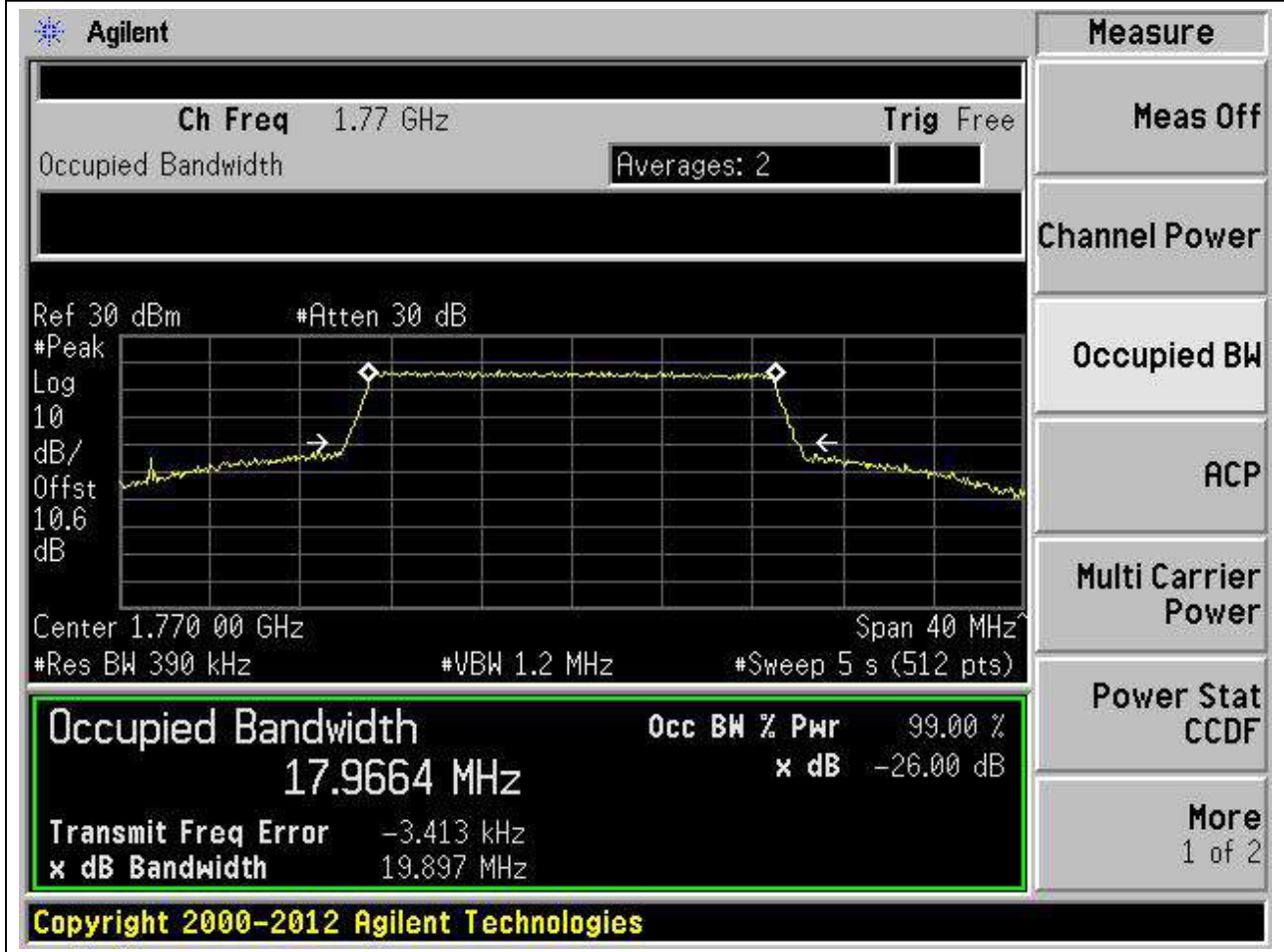
**20.35. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:35, Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.953	19.932	20	Pass



**20.36. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:36, Channel:132572, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

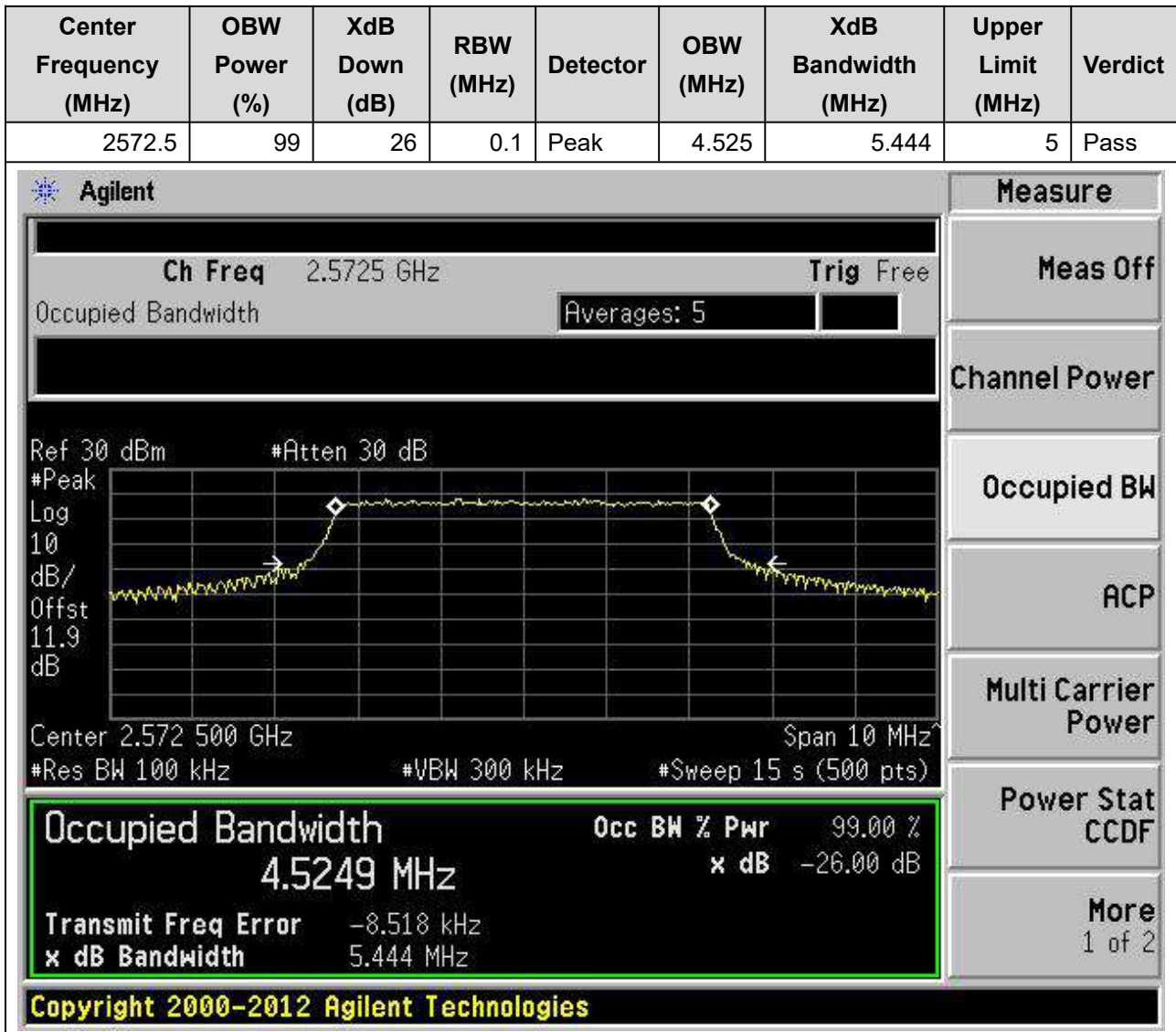
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.966	19.897	20	Pass





## 21. LTE\_Band38

### 21.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:37775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



**21.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:37775, 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
2572.5	99	26	0.1	Peak	4.519	5.4	5	Pass

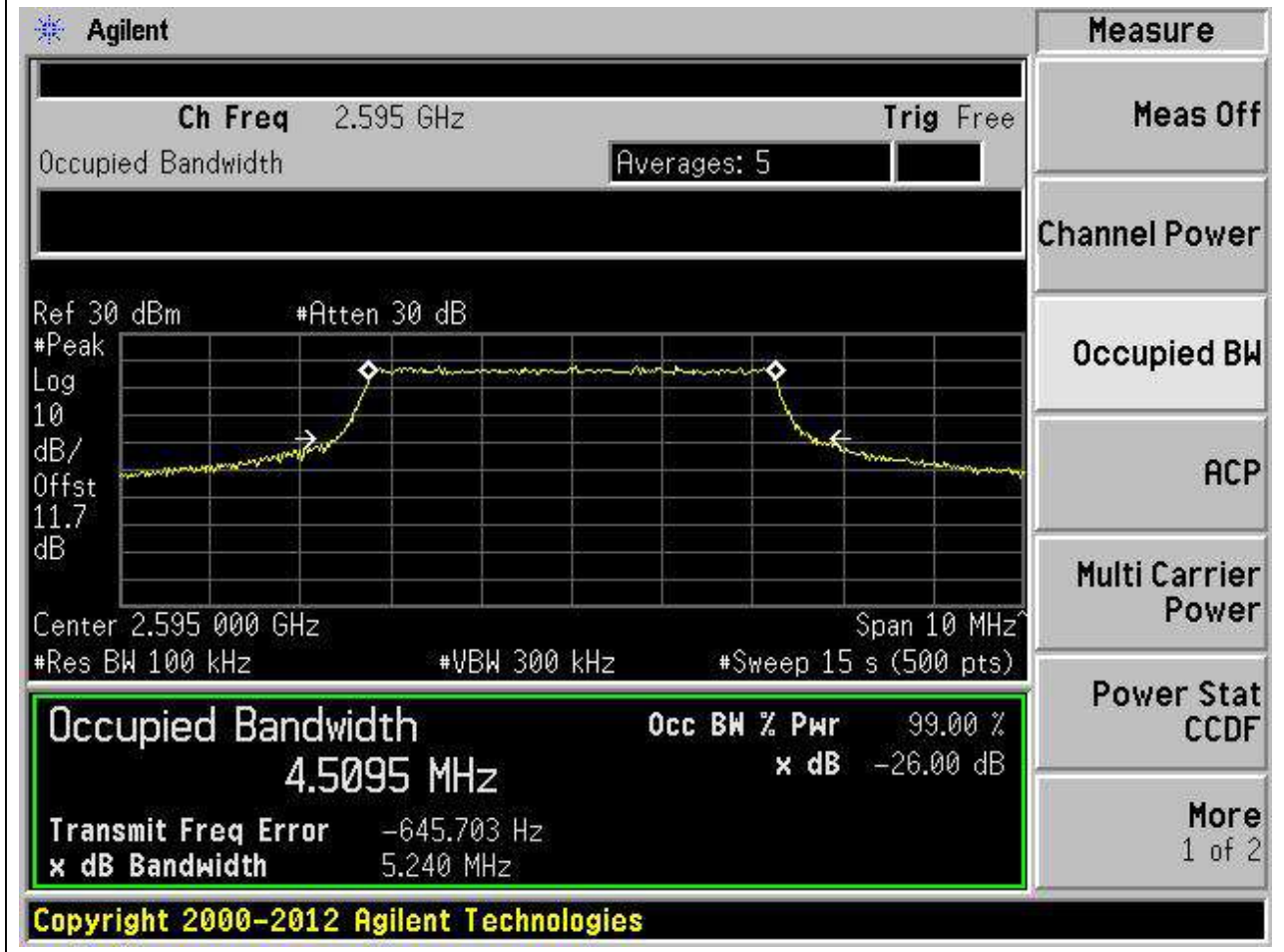
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5725 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is highlighted with a green box, showing a value of 4.5195 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters include 'Transmit Freq Error -715.629 Hz' and 'x dB Bandwidth 5.400 MHz'. The graph shows a signal with a peak at 2.5725 GHz. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5195 MHz	99.00 %	-26.00 dB

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**21.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:38000, 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
2595	99	26	0.1	Peak	4.509	5.24	5	Pass



**21.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:38000, 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
2595	99	26	0.1	Peak	4.515	5.263	5	Pass

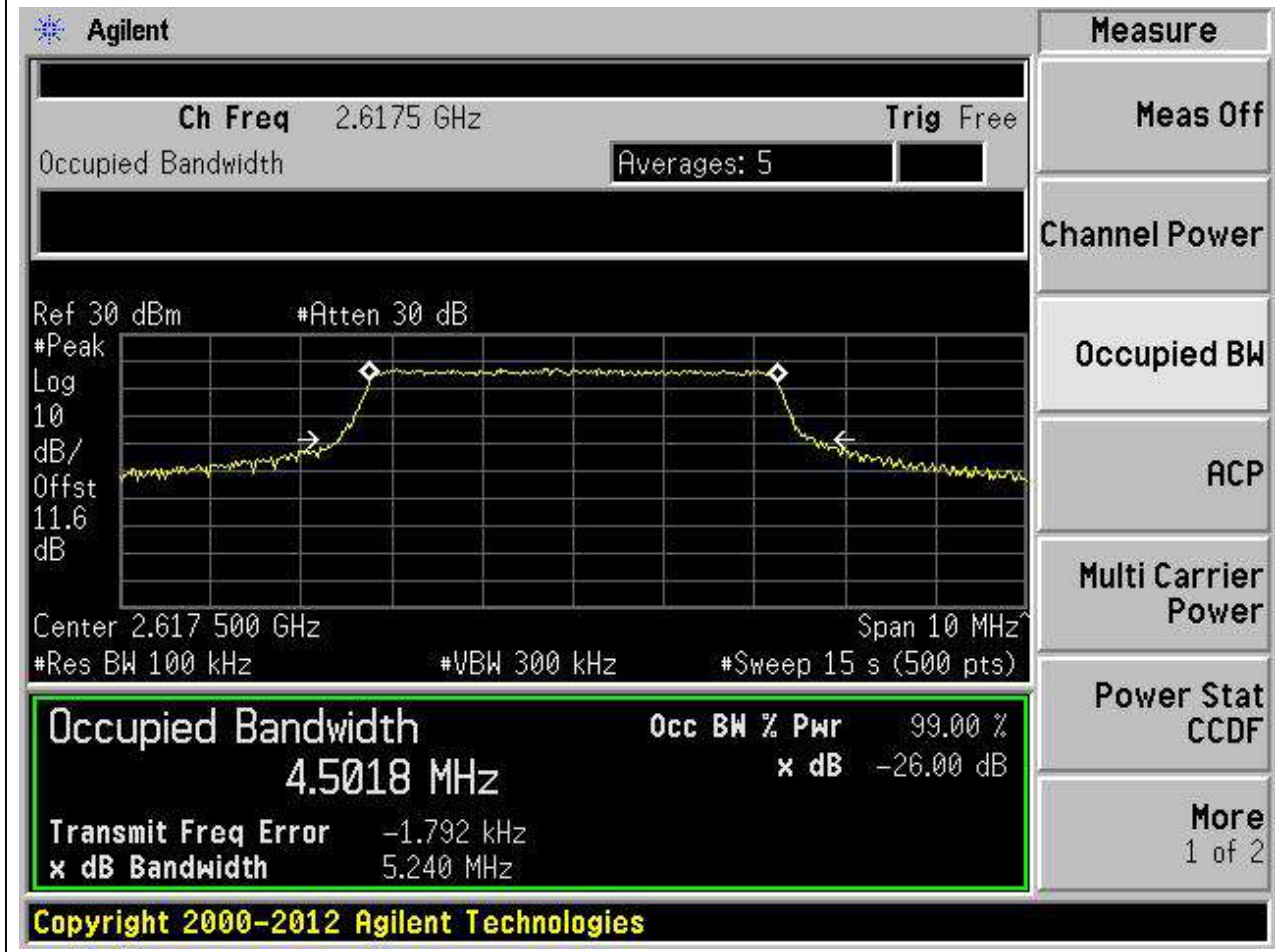
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.595 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted as 4.5153 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. 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 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5153 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -1.799 kHz  
x dB Bandwidth: 5.263 MHz

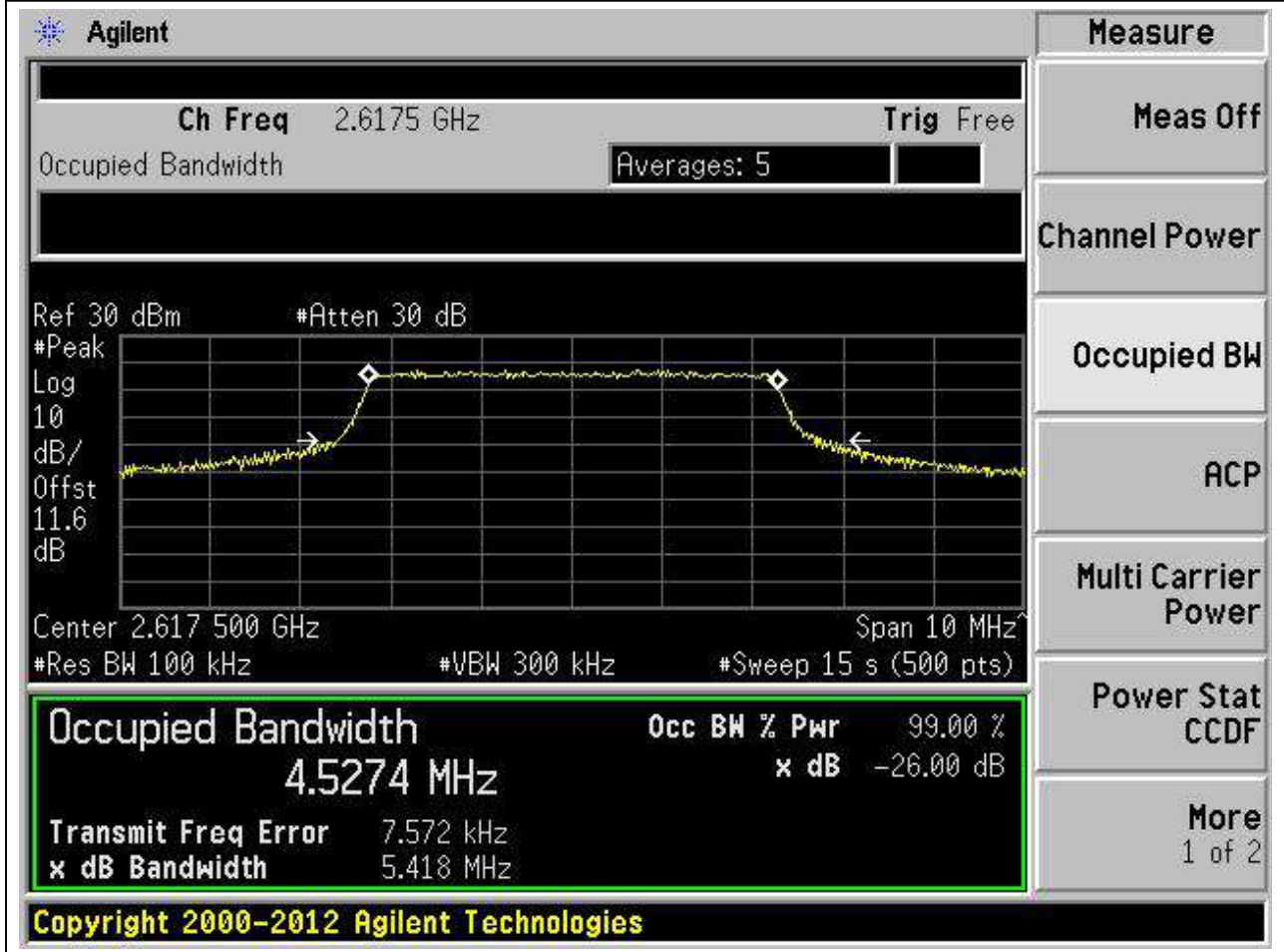
**21.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:38225, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.502	5.24	5	Pass



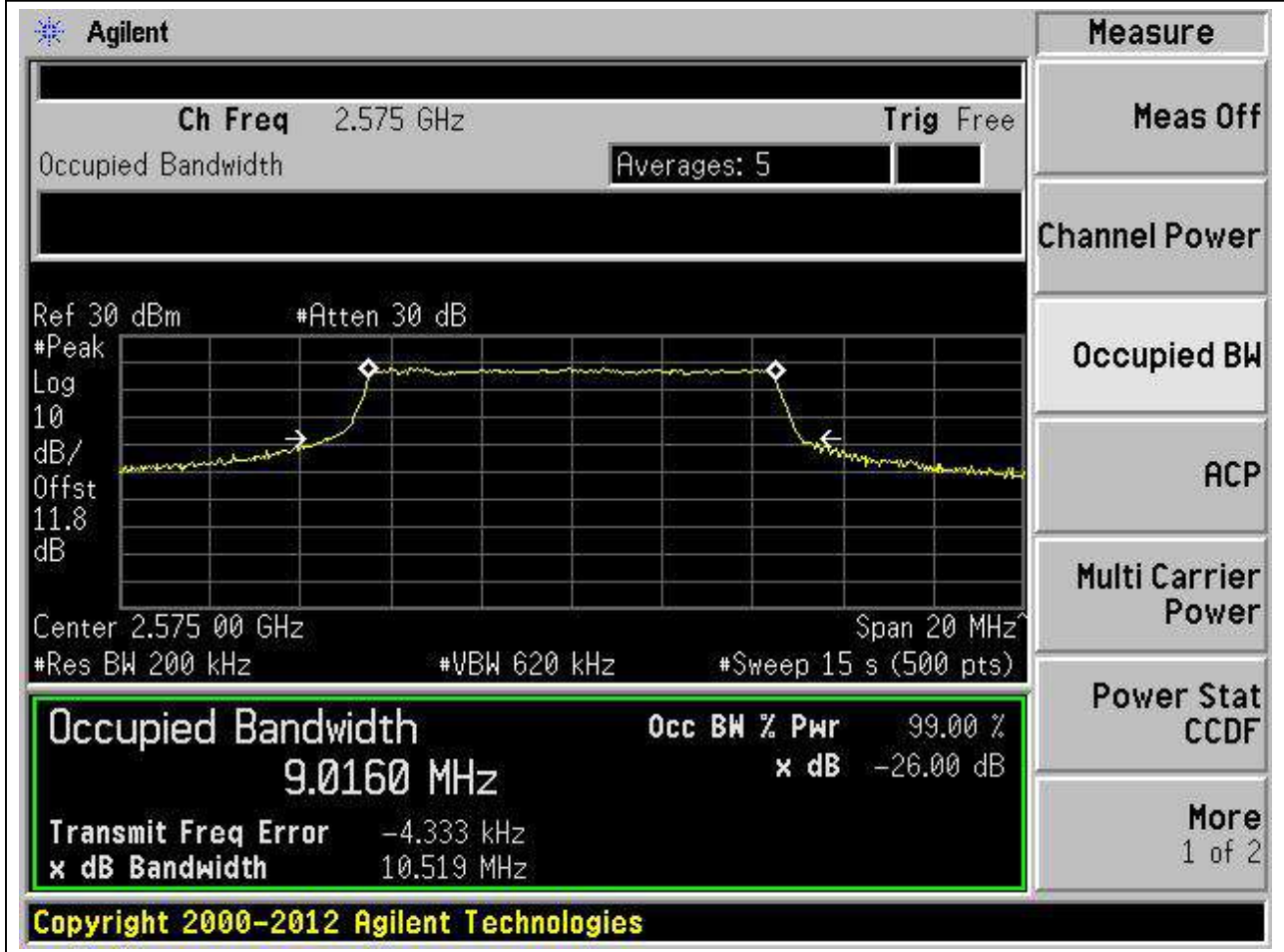
**21.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:38225, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.527	5.418	5	Pass



**21.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:37800, 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
2575	99	26	0.2	Peak	9.016	10.519	10	Pass



**21.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:37800, 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
2575	99	26	0.2	Peak	9.021	10.518	10	Pass

Agilent
Measure

Ch Freq 2.575 GHz
Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

Center 2.575 00 GHz Span 20 MHz  
 #Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
9.0214 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -8.725 Hz	
<b>x dB Bandwidth</b> 10.518 MHz	

Power Stat CCDF

More 1 of 2

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**21.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:38000, 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
2595	99	26	0.2	Peak	9.002	10.369	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.595 GHz. The main display shows a spectral plot with a yellow trace representing the signal. The plot is set to a logarithmic scale (Log) with a resolution bandwidth of 200 kHz and a video bandwidth of 620 kHz. The center frequency is 2.595 00 GHz and the span is 20 MHz. The occupied bandwidth is measured as 9.0018 MHz, which is 99.00% of the 10 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 1.124 kHz. The x dB bandwidth is 10.369 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'.

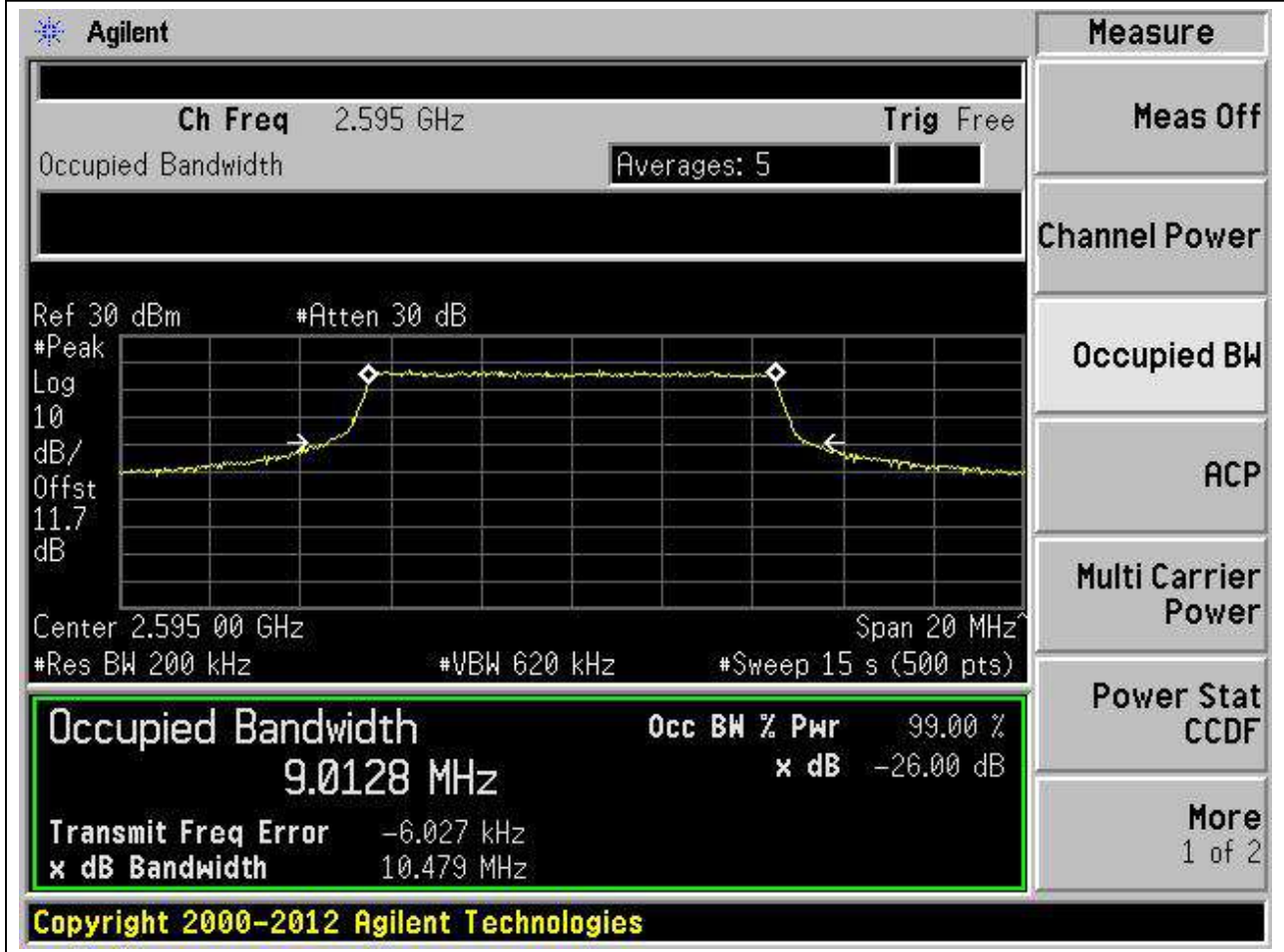
Occupied Bandwidth	Occ BW % Pwr	x dB
9.0018 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 1.124 kHz  
x dB Bandwidth: 10.369 MHz

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**21.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:38000, 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
2595	99	26	0.2	Peak	9.013	10.479	10	Pass



**21.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:38200, 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
2615	99	26	0.2	Peak	9.019	10.445	10	Pass

Agilent
Measure

Ch Freq 2.615 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 dB

Center 2.615 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
9.0193 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -3.940 kHz	
<b>x dB Bandwidth</b> 10.445 MHz	

Power Stat CCDF

More 1 of 2

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**21.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:38200, 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
2615	99	26	0.2	Peak	9.017	10.573	10	Pass

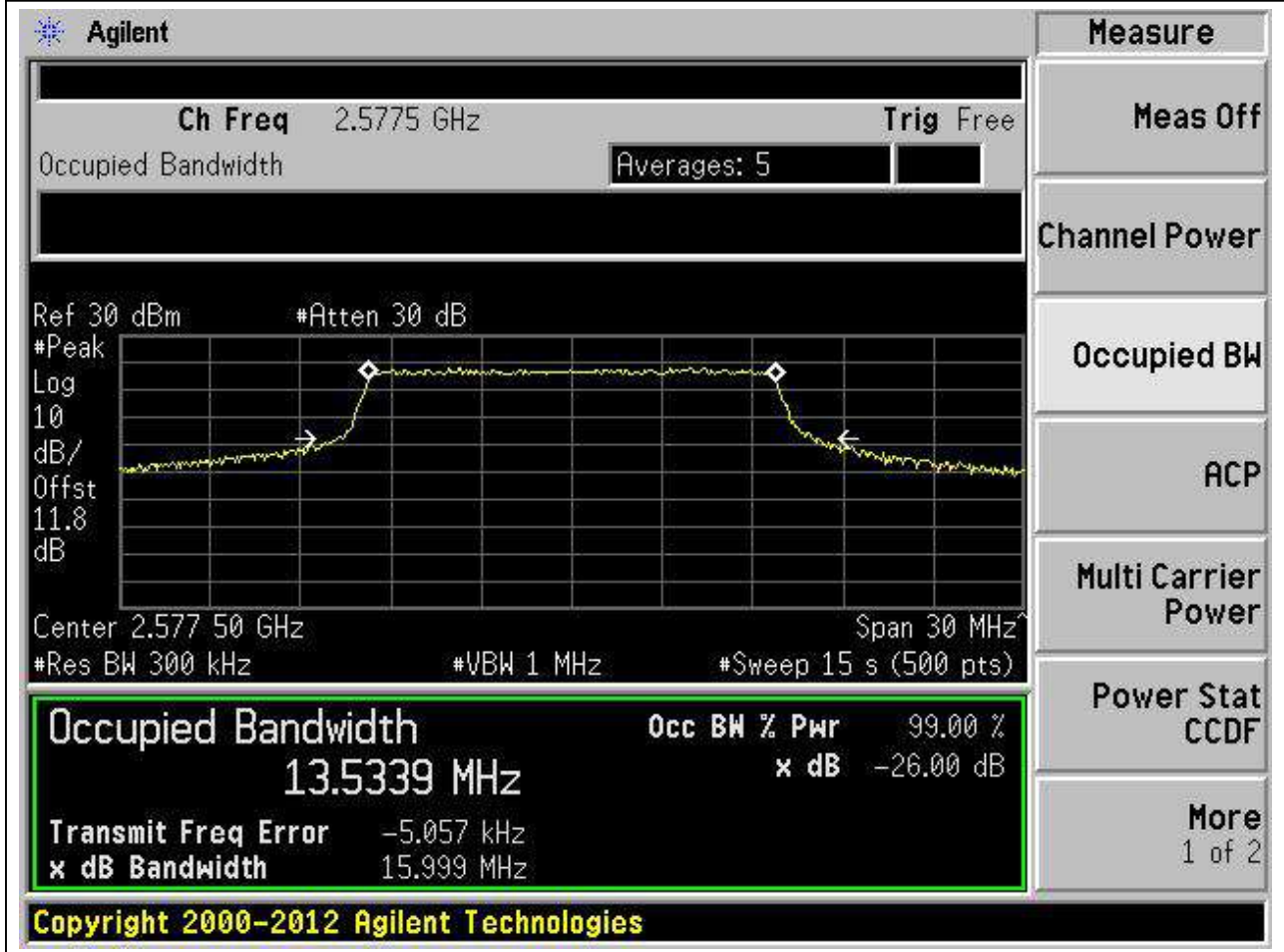
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.615 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 5'. The main display is a log-frequency plot with a yellow trace showing the signal spectrum. The y-axis is labeled 'dB/Offst' with a value of 11.6 dB. The x-axis is labeled 'Center 2.615 00 GHz' and 'Span 20 MHz'. Below the plot, the following parameters are shown: '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 15 s (500 pts)'. A summary box at the bottom left contains the following data:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>9.0169 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-7.577 kHz
<b>x dB Bandwidth</b>		10.573 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 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom of the interface.

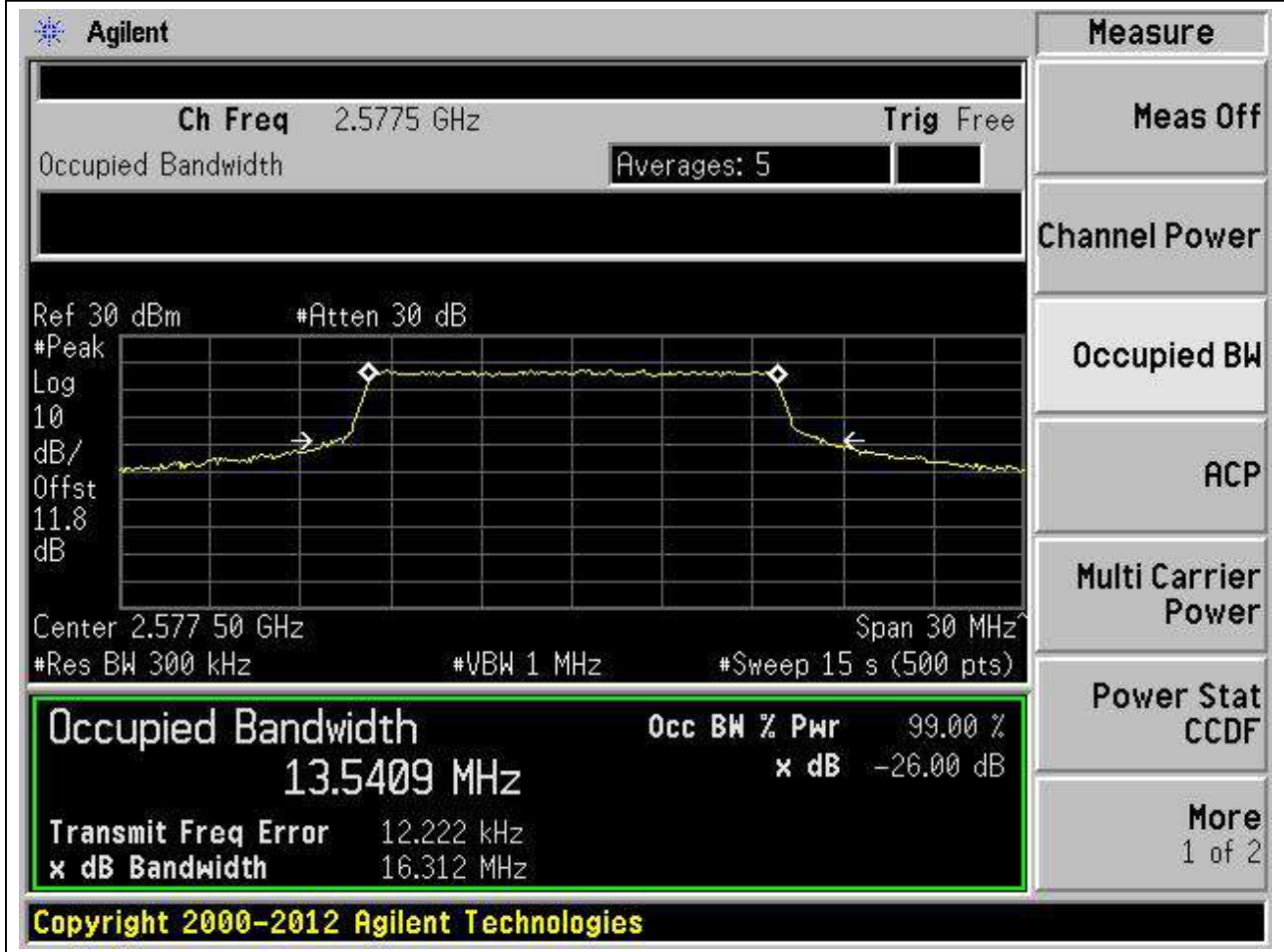
**21.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:37825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.534	15.999	15	Pass



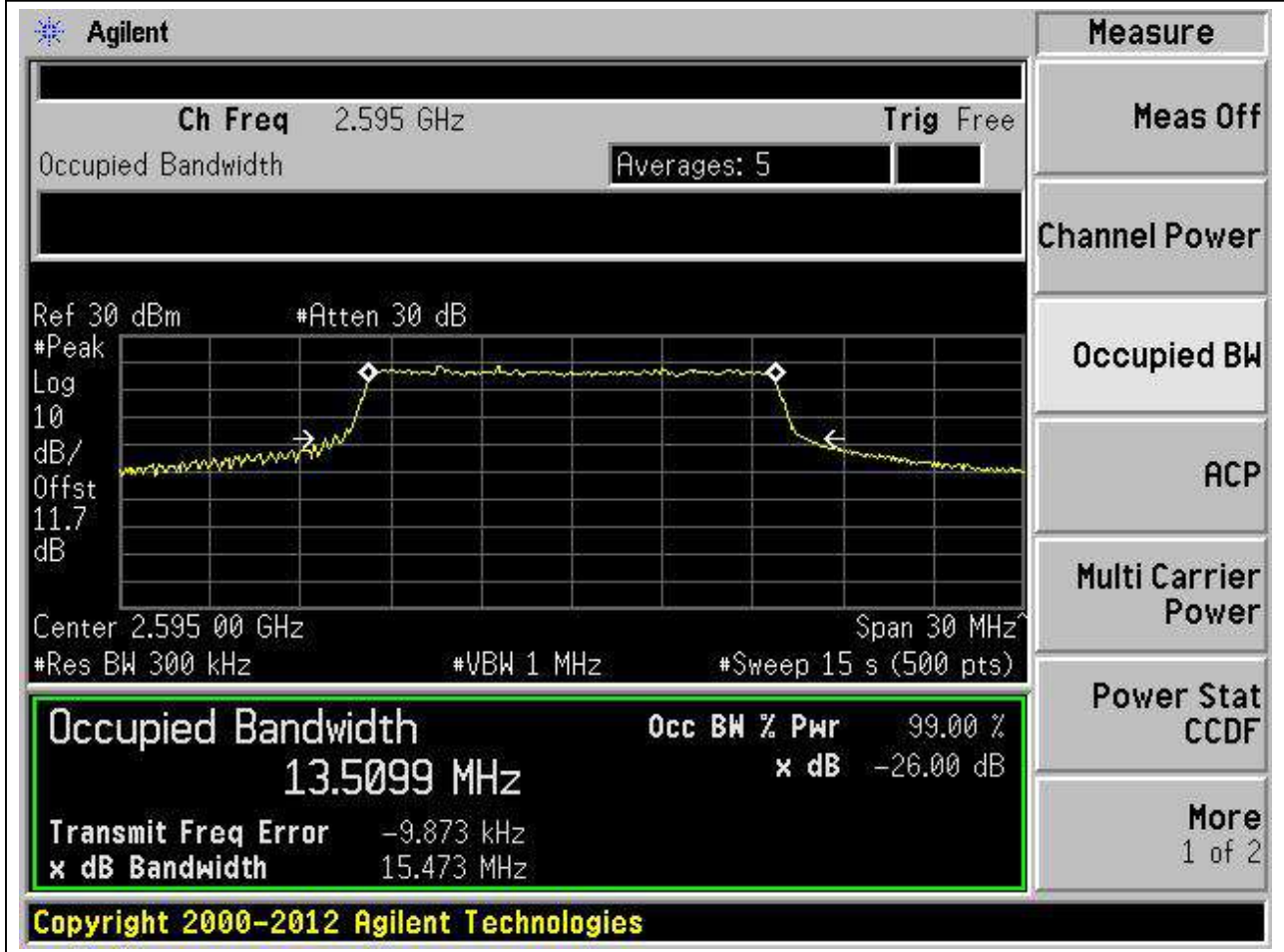
**21.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:37825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.541	16.312	15	Pass



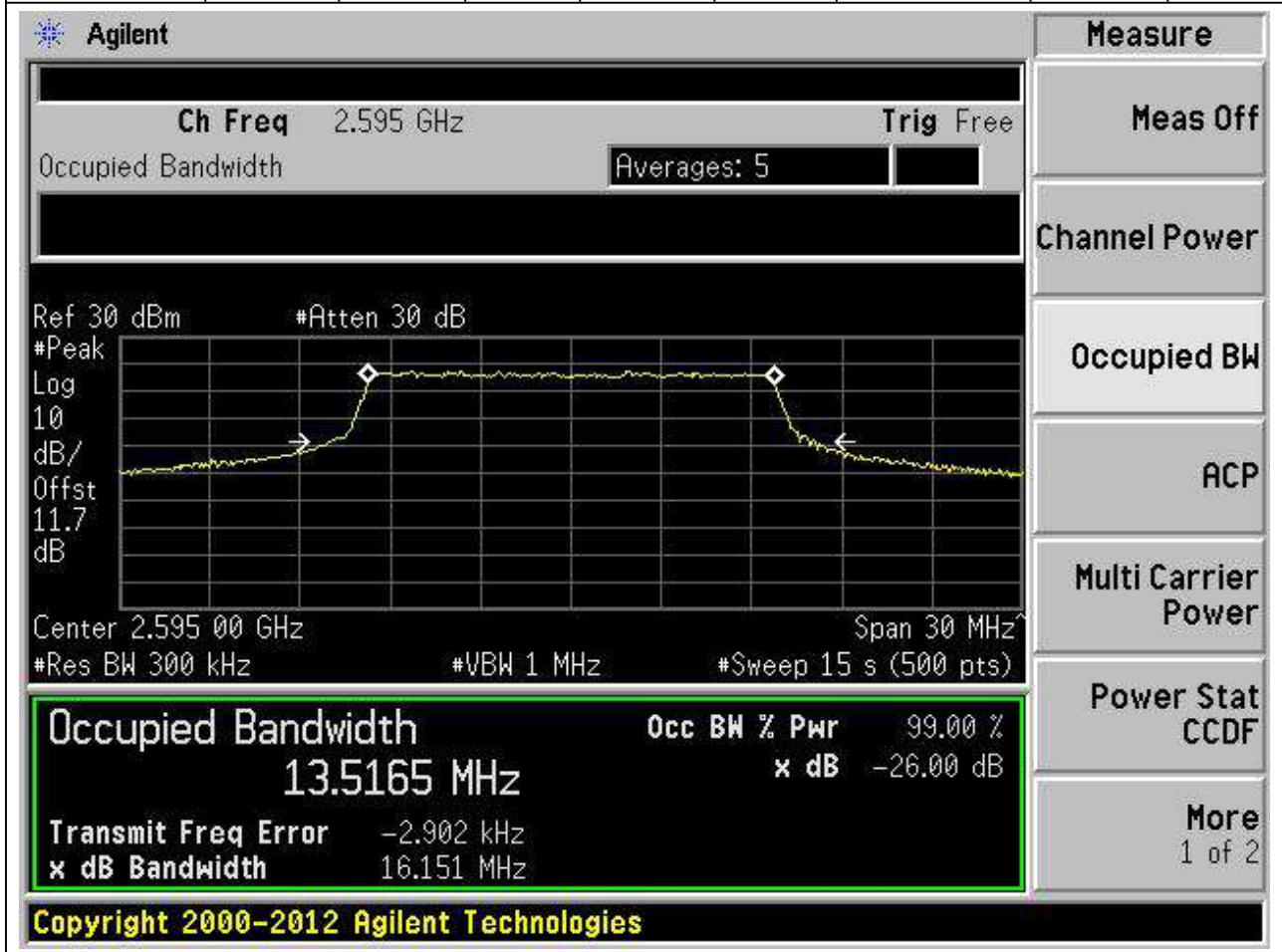
**21.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:38000, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.51	15.473	15	Pass



**21.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:38000, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

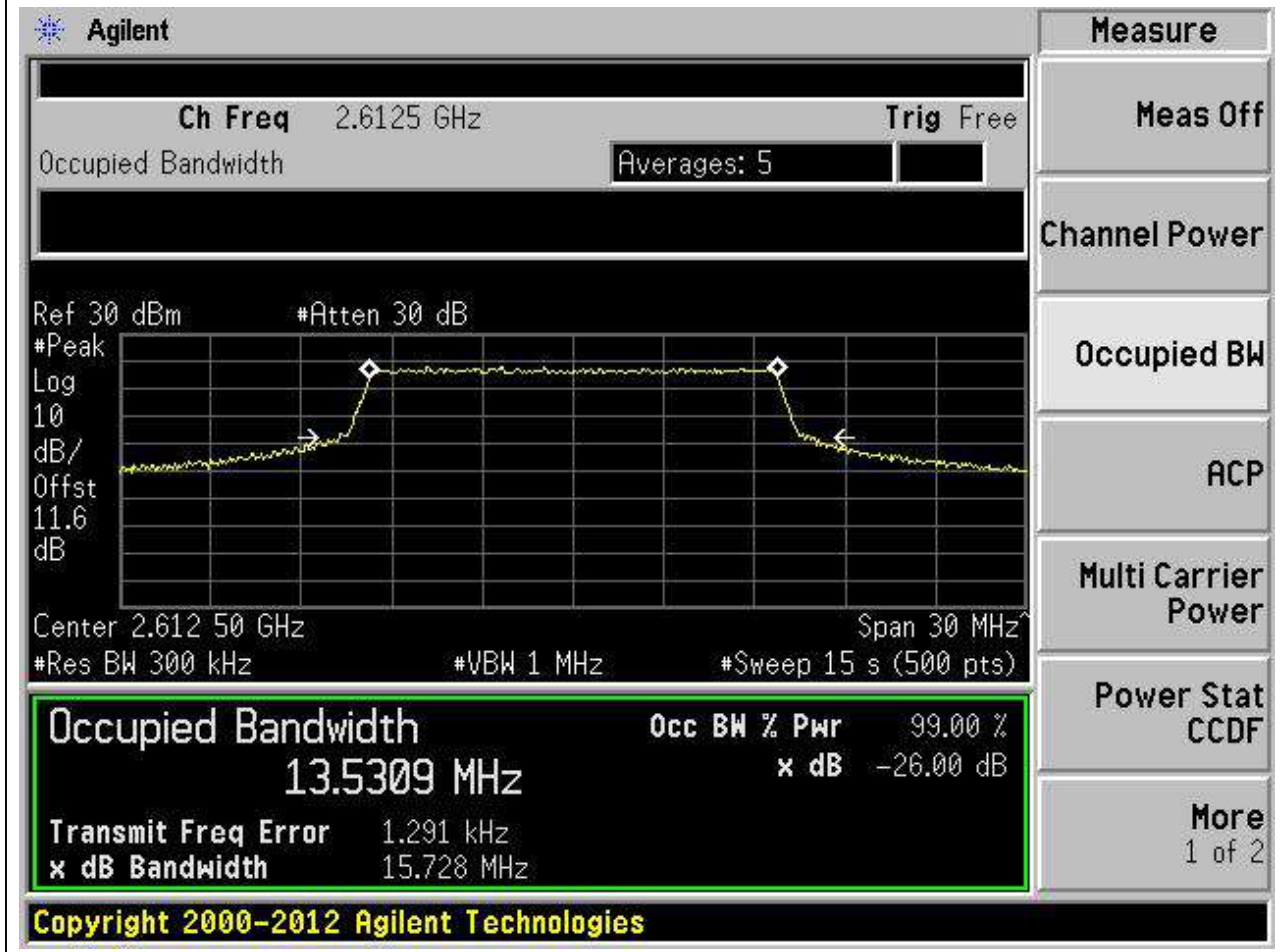
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.517	16.151	15	Pass





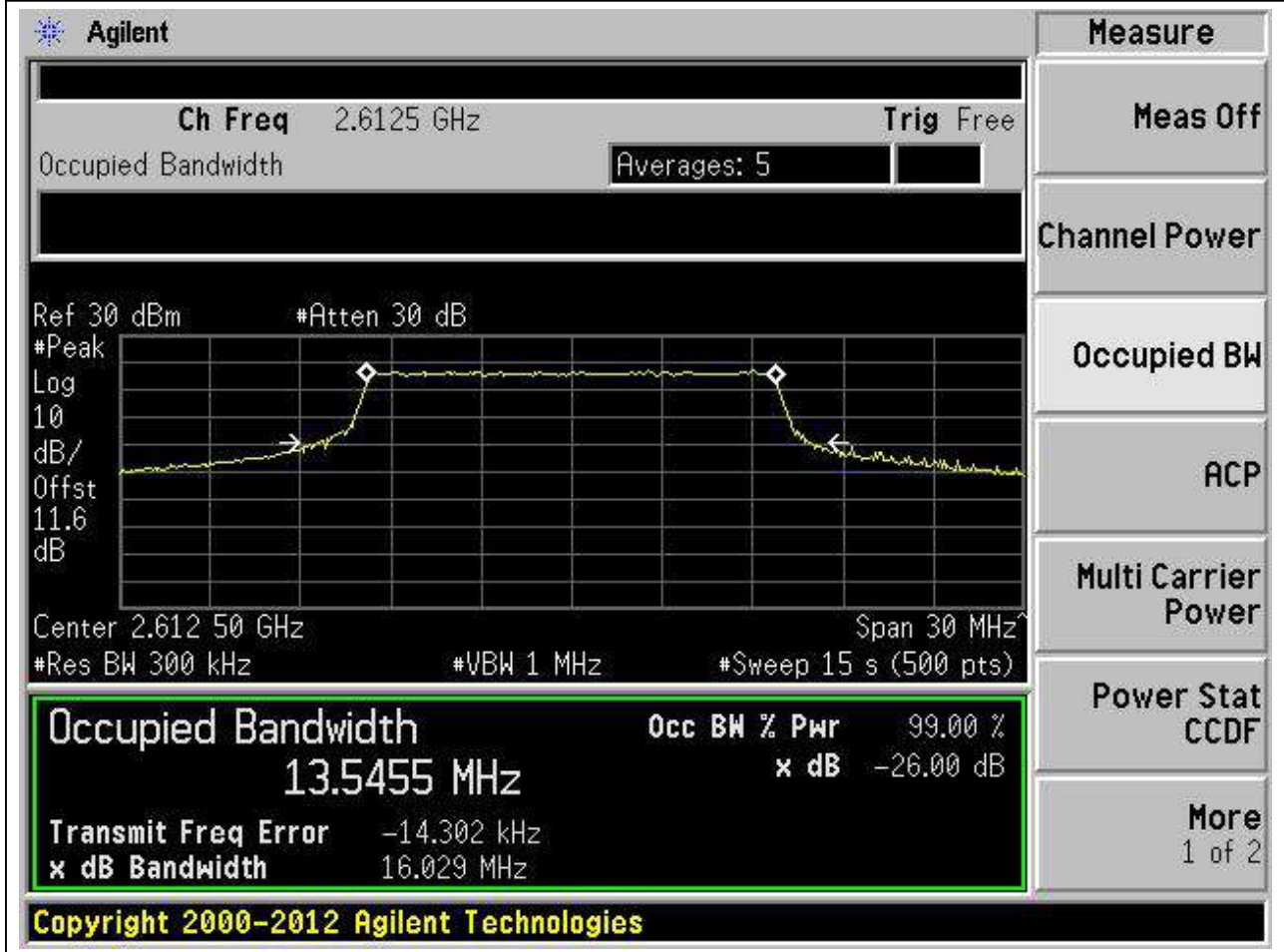
**21.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:38175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.531	15.728	15	Pass



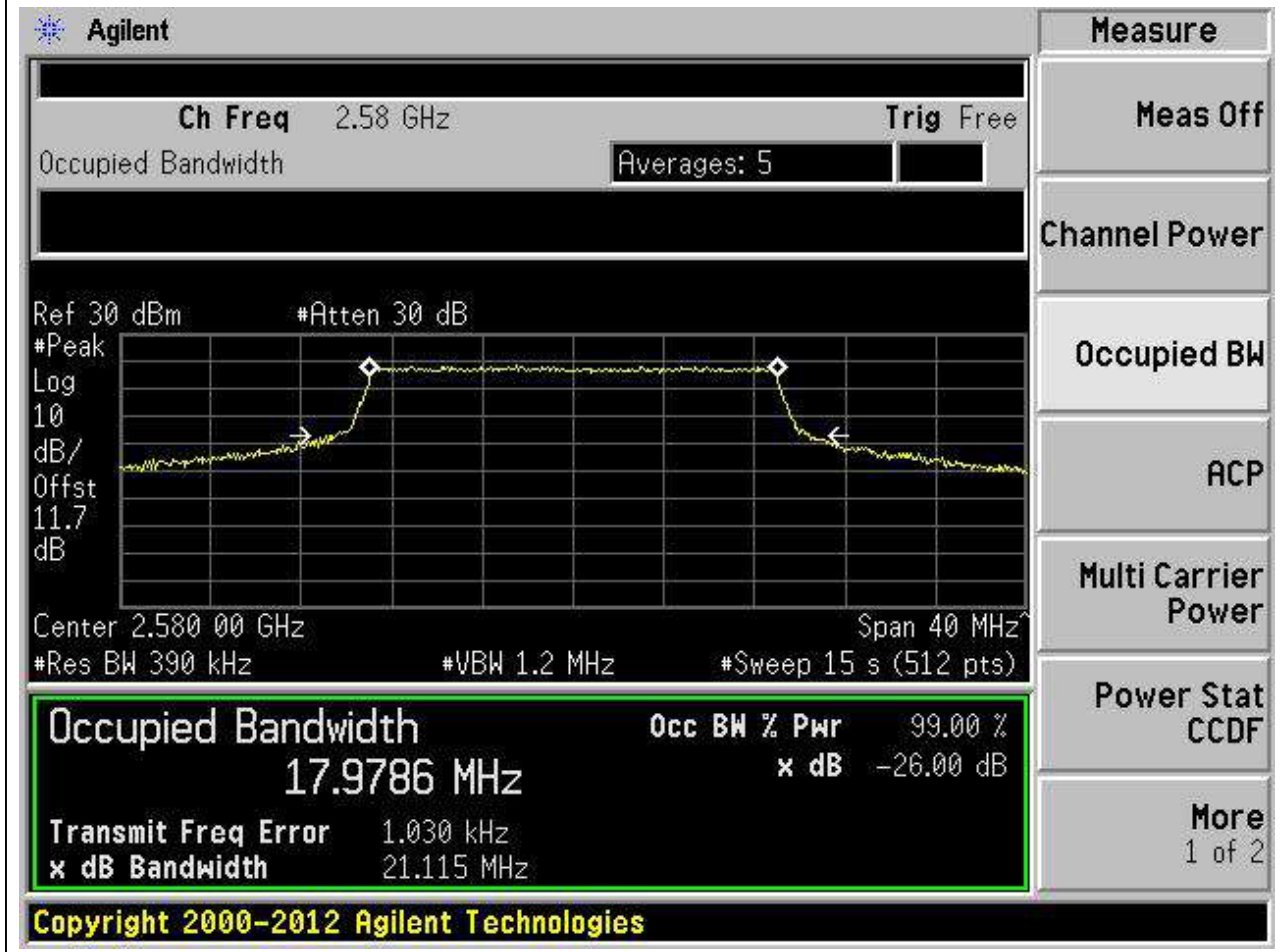
**21.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:38175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.545	16.029	15	Pass



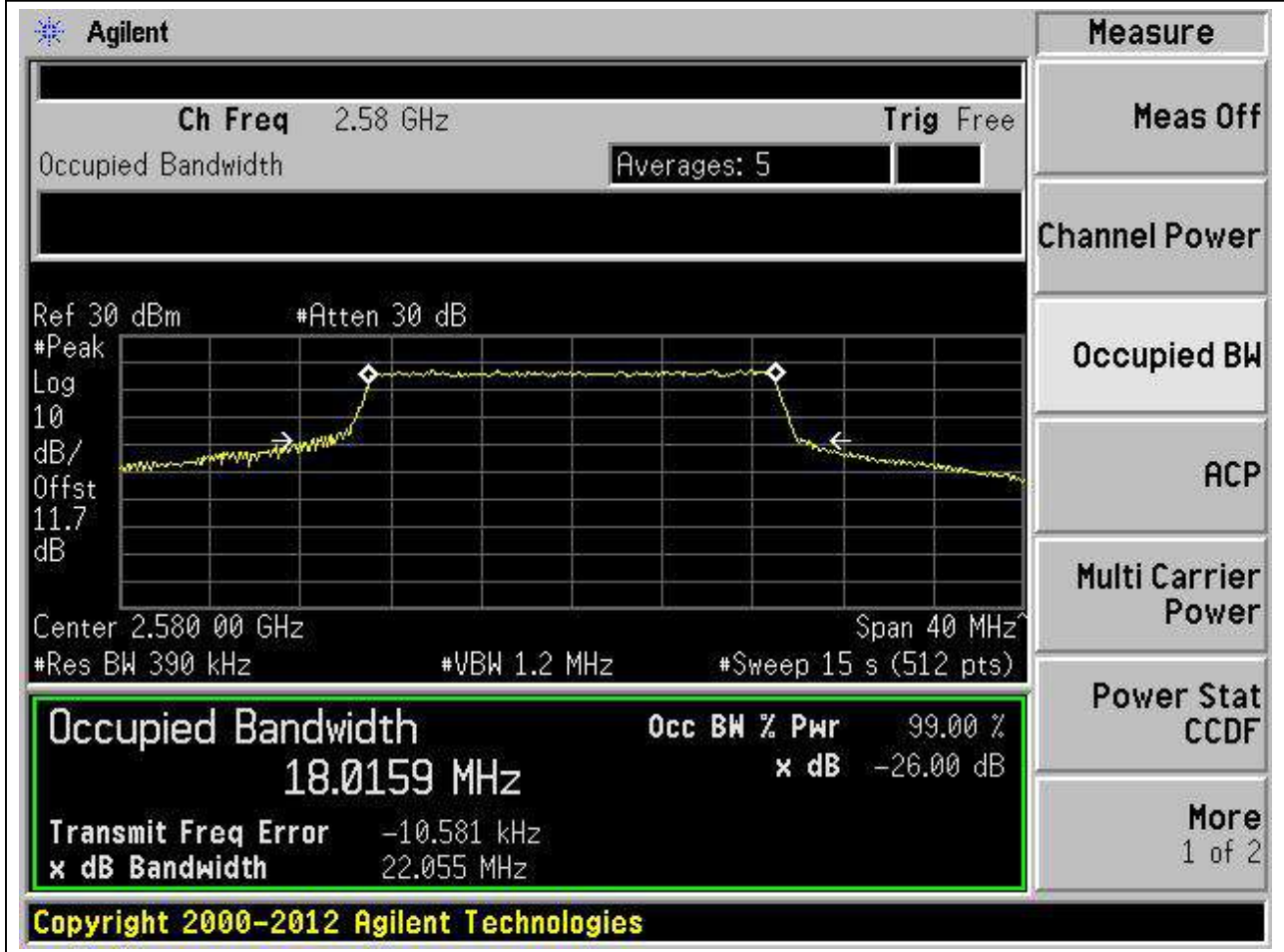
**21.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.979	21.115	20	Pass



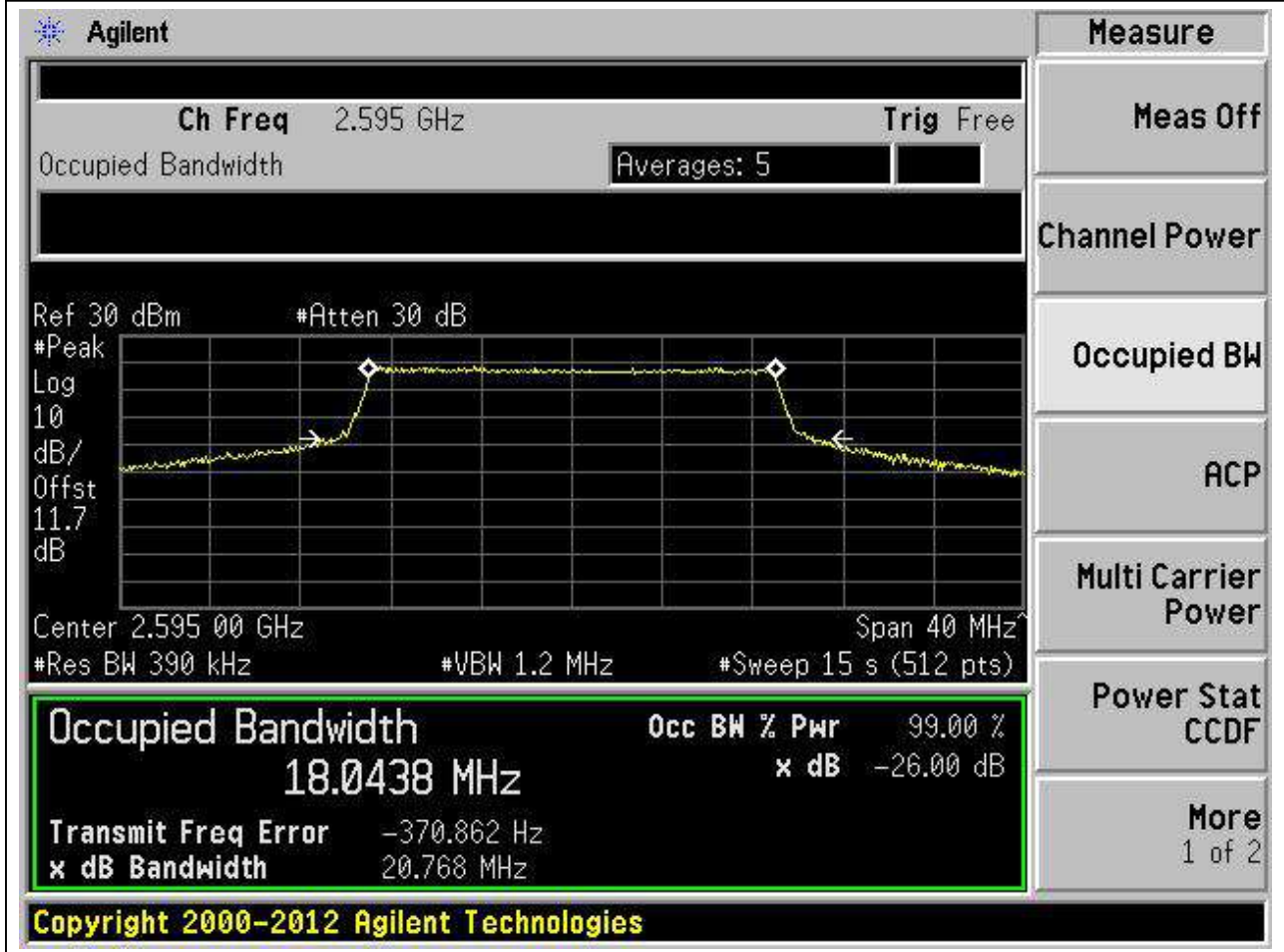
**21.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	18.016	22.055	20	Pass



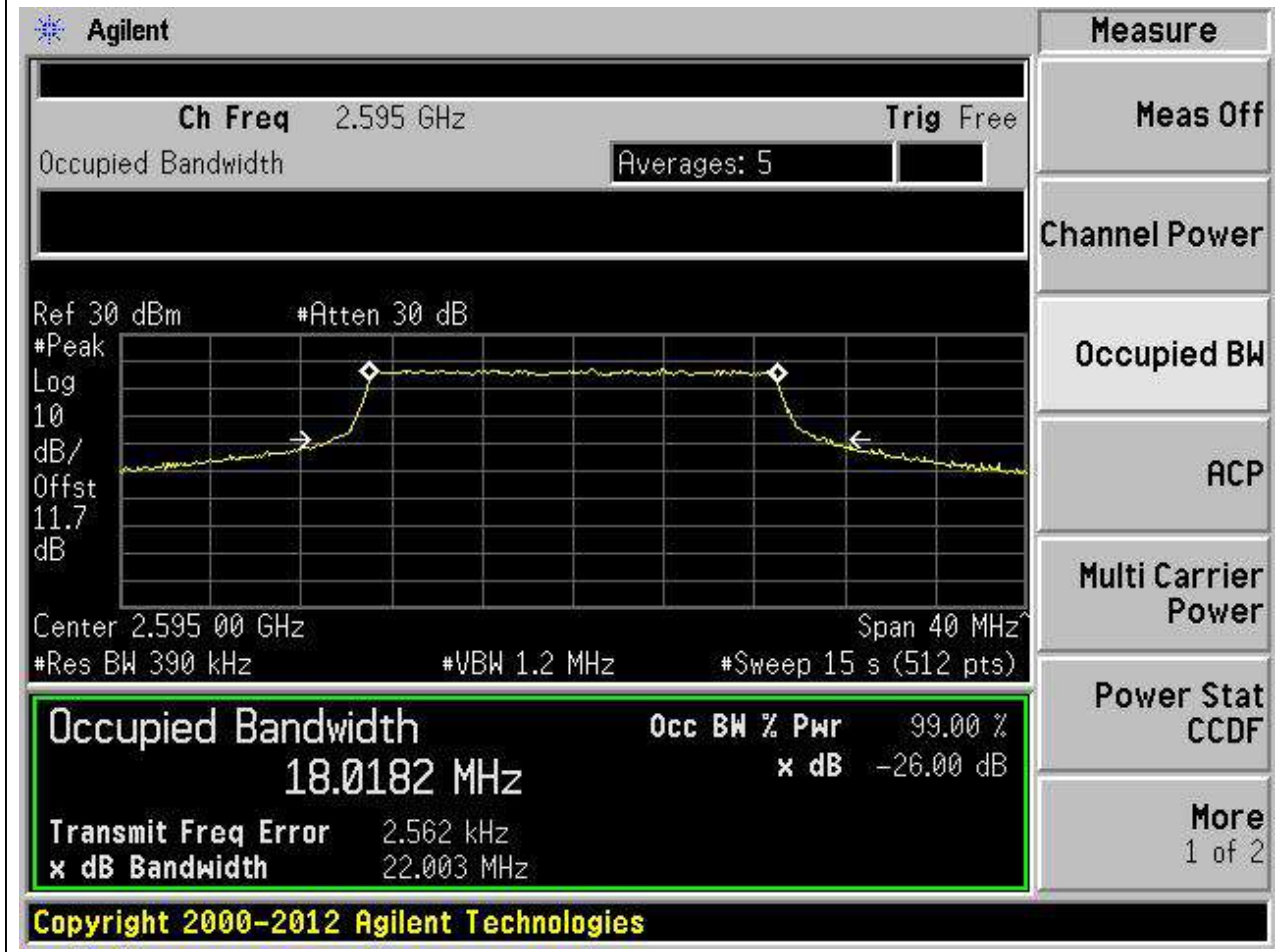
**21.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	18.044	20.768	20	Pass



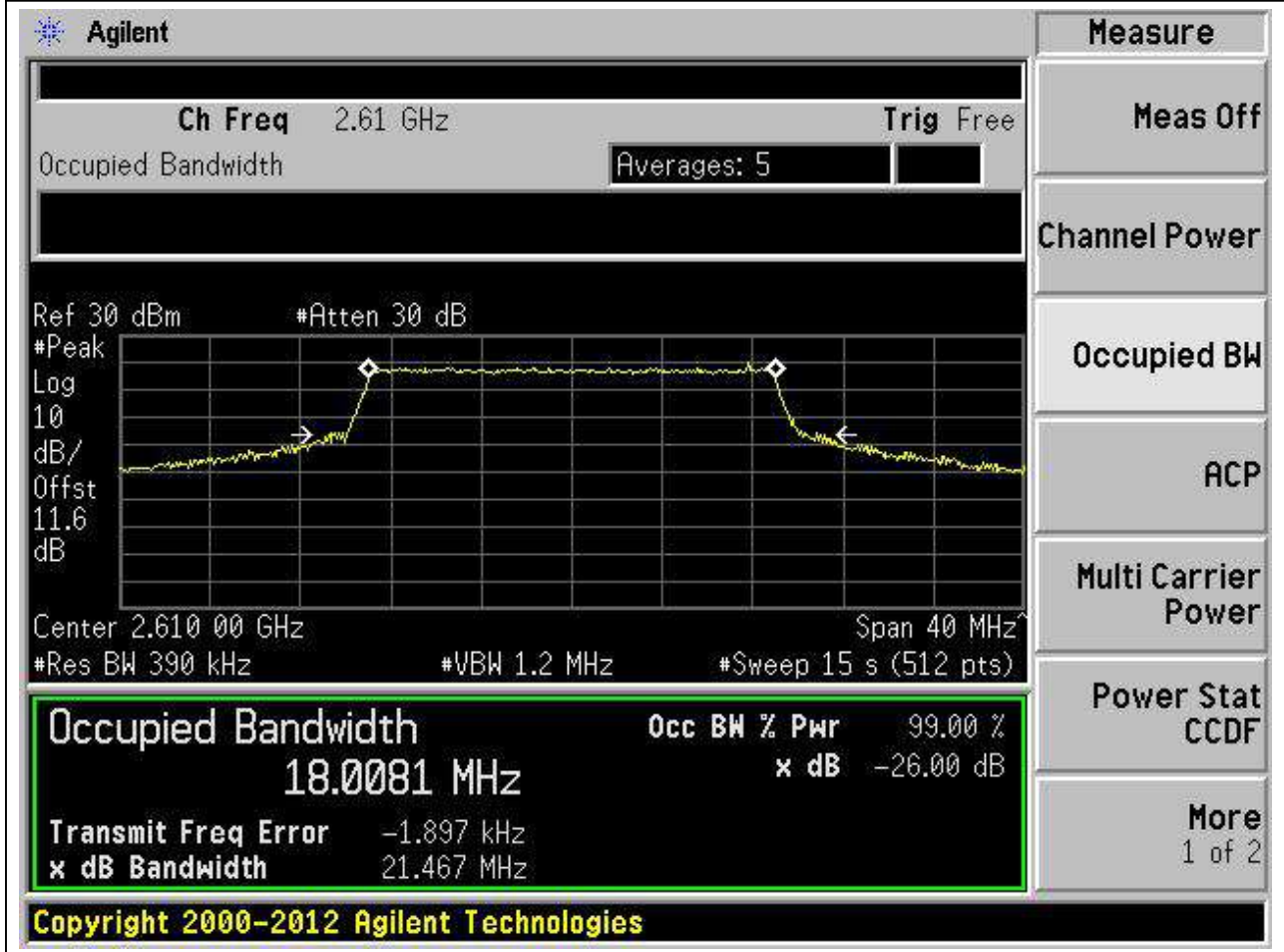
**21.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	18.018	22.003	20	Pass



**21.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:38150, 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
2610	99	26	0.39	Peak	18.008	21.467	20	Pass



**21.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:38150, 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
2610	99	26	0.39	Peak	18.006	20.67	20	Pass

Agilent
Measure

Ch Freq 2.61 GHz
Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 dB

Center 2.610 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

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

**18.0057 MHz** x dB -26.00 dB

Transmit Freq Error -940.398 Hz

x dB Bandwidth 20.670 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

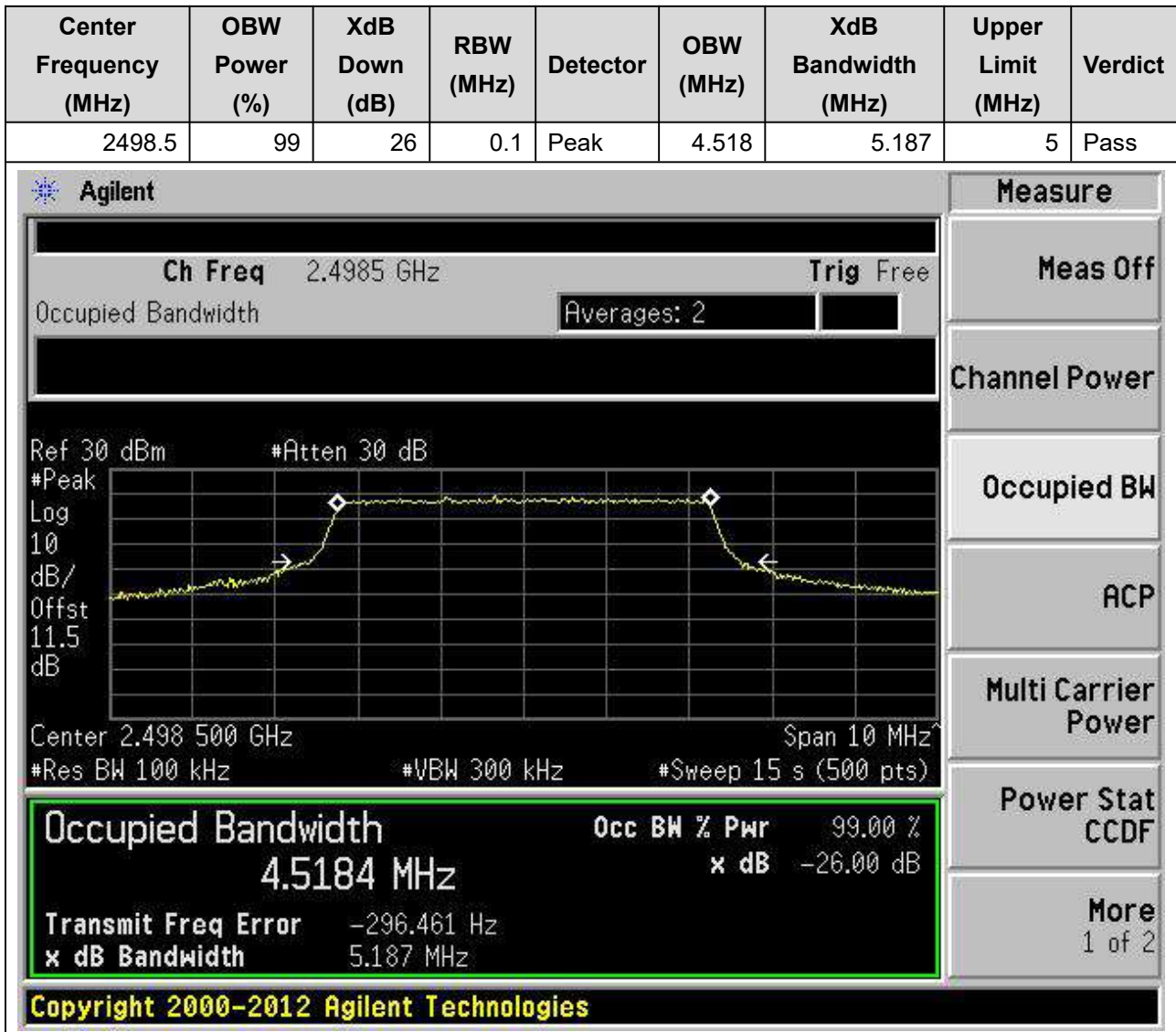
Power Stat CCDF

More 1 of 2



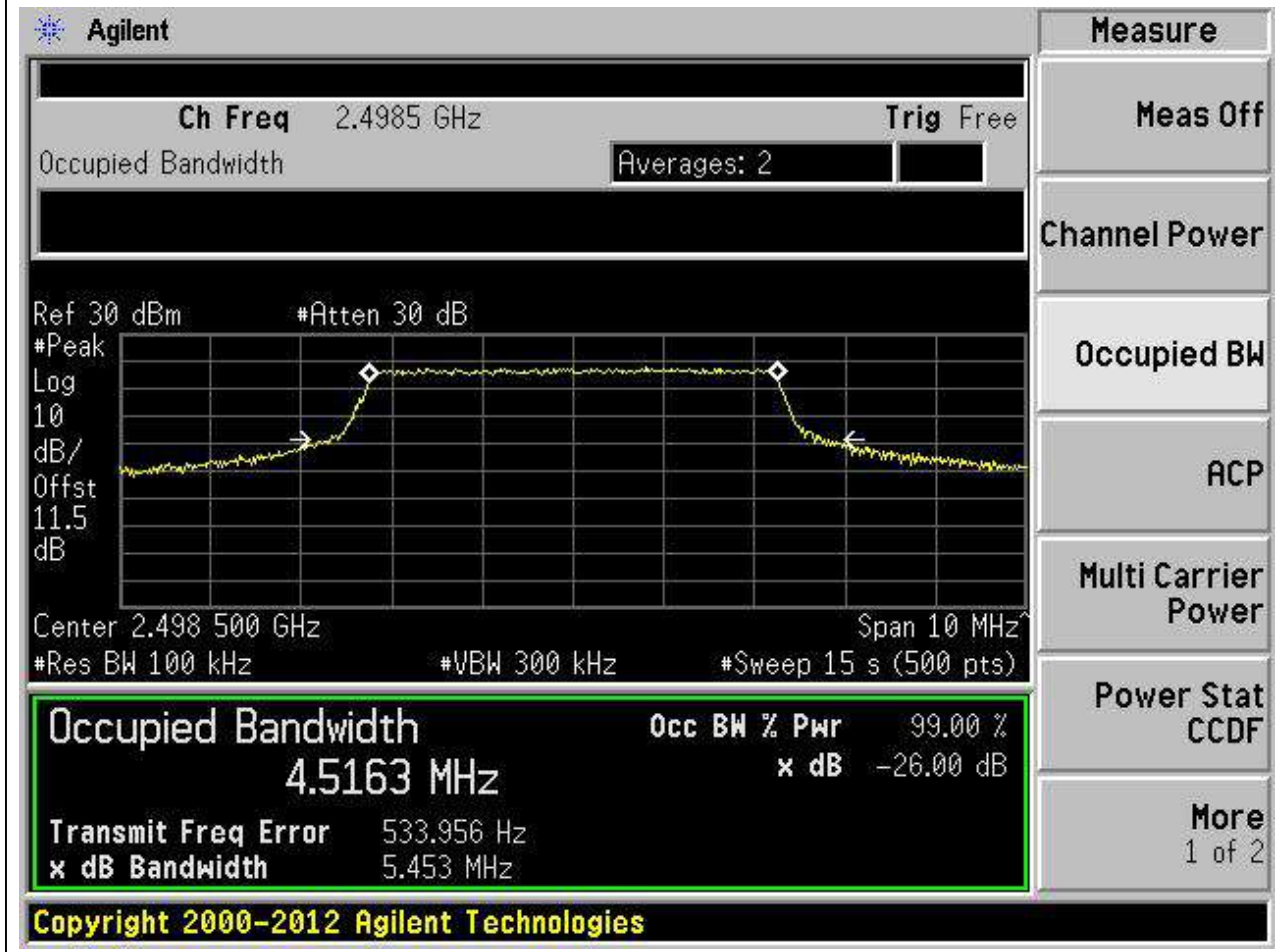
## 22. LTE\_Band41 full

### 22.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



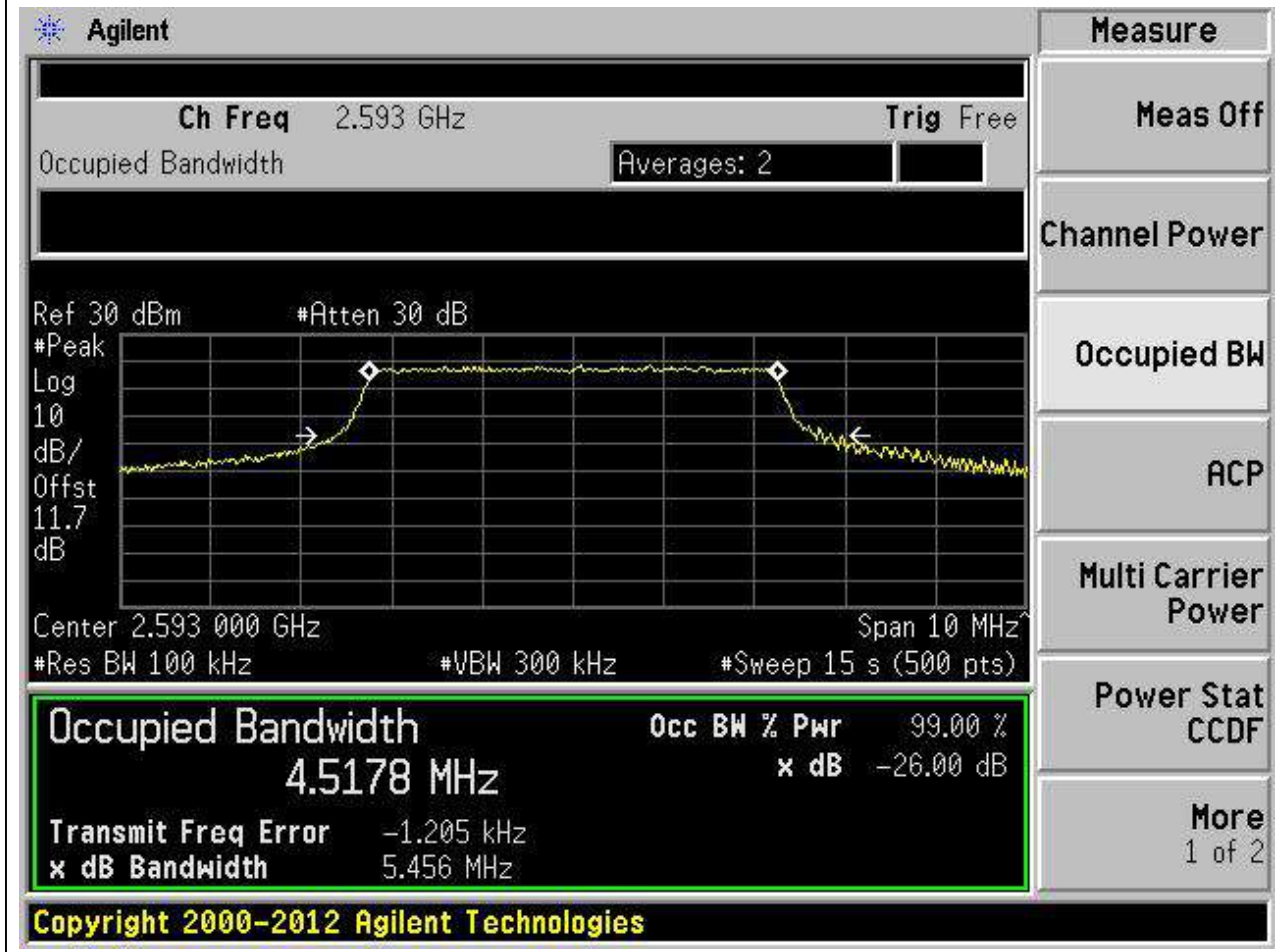
**22.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:39675, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.516	5.453	5	Pass



**22.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:40620, 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
2593	99	26	0.1	Peak	4.518	5.456	5	Pass



**22.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:40620, 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
2593	99	26	0.1	Peak	4.525	5.171	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 2.593 GHz. The main display shows a spectrum plot with a yellow trace. The plot is configured with a reference level of 30 dBm, a resolution bandwidth of 100 kHz, and a video bandwidth of 300 kHz. The occupied bandwidth is measured as 4.5249 MHz, which is 99.00% of the 5.171 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.070 kHz. 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
4.5249 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -5.070 kHz  
x dB Bandwidth: 5.171 MHz

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**22.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:41565, 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
2687.5	99	26	0.1	Peak	4.513	5.316	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.6875 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 plot shows a signal with a flat top and sloping sides, indicating a channel signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.5134 MHz. Other parameters shown include 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -4.259 kHz', and 'x dB Bandwidth 5.316 MHz'. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**22.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:41565, 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
2687.5	99	26	0.1	Peak	4.521	5.23	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 2.6875 GHz. The main display shows a spectral plot with a yellow trace representing the signal. The plot is configured with a center frequency of 2.6875 GHz, a span of 10 MHz, and a resolution bandwidth of 100 kHz. The vertical axis is set to a logarithmic scale (Log) with a reference level of 30 dBm and an attenuation of 30 dB. The horizontal axis is marked with 10 dB/Offst and 11.7 dB. The plot shows a signal with a peak level of approximately 26 dBm. The occupied bandwidth is measured as 4.5213 MHz, which is 99.00% of the 5.23 MHz bandwidth. The transmit frequency error is -557.341 Hz, and the x dB bandwidth is 5.230 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 %
4.5213 MHz	x dB	-26.00 dB
Transmit Freq Error	-557.341 Hz	
x dB Bandwidth	5.230 MHz	

**22.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:39700, 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
2501	99	26	0.2	Peak	9.013	10.537	10	Pass

**Agilent**

Ch Freq 2.501 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.501 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>9.0133 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	1.006 kHz	
<b>x dB Bandwidth</b>	10.537 MHz	

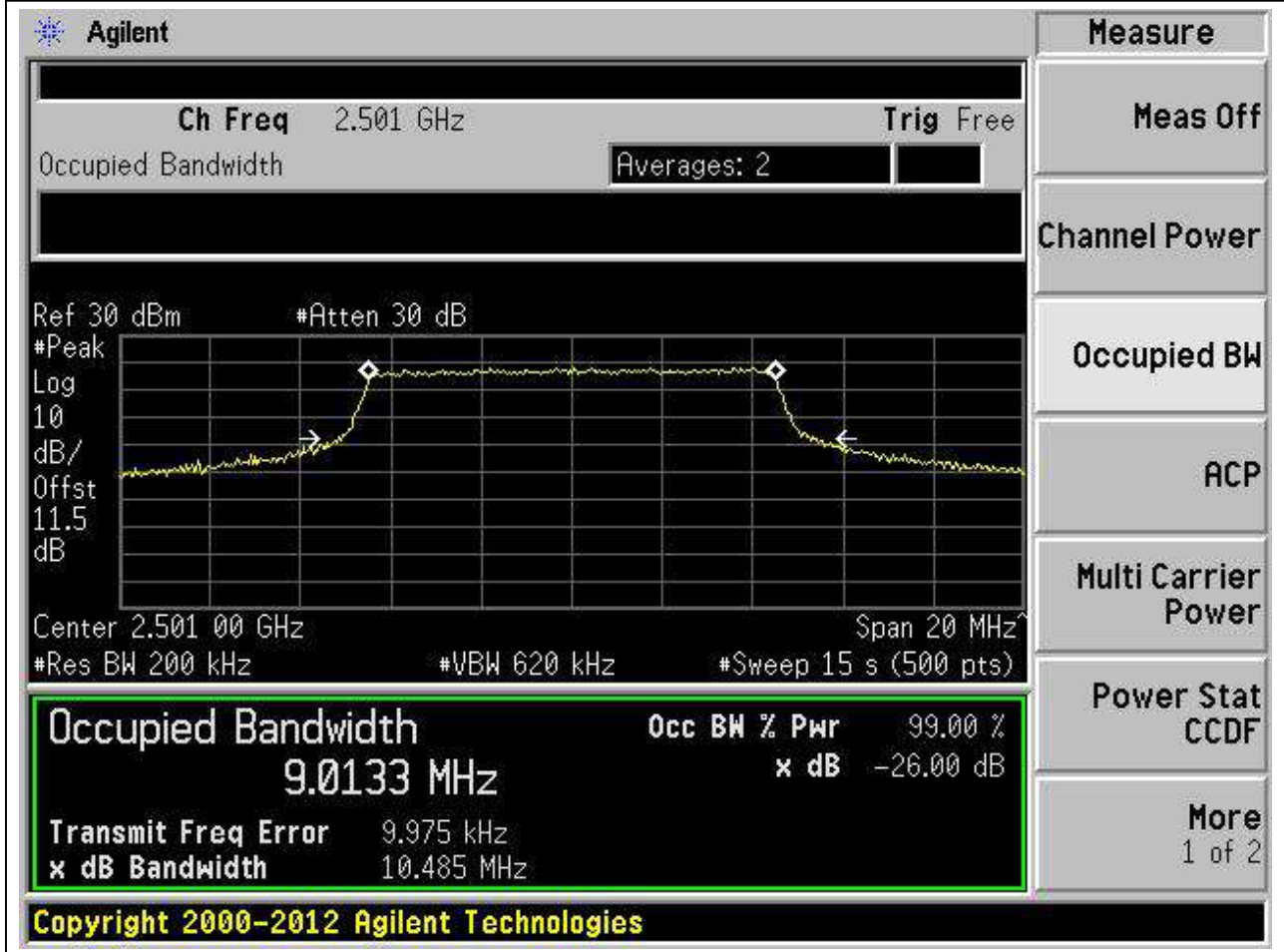
Copyright 2000-2012 Agilent Technologies

**Measure**

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

**22.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:39700, 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
2501	99	26	0.2	Peak	9.013	10.485	10	Pass





**22.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:40620, 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
2593	99	26	0.2	Peak	8.997	10.4	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a peak at 2.593 GHz. The Occupied Bandwidth is measured as 8.9970 MHz, which is 99.00% of the 10.400 MHz bandwidth. The XdB Down is -26.00 dB. The interface also shows the center frequency, span, resolution bandwidth, and other measurement parameters.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9970 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot:

- Center: 2.593 00 GHz
- Span: 20 MHz
- #Res BW: 200 kHz
- #VBW: 620 kHz
- #Sweep: 15 s (500 pts)
- Ref: 30 dBm
- #Atten: 30 dB
- #Peak: Log
- dB/Offst: 10 dB
- 11.7 dB

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**22.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:40620, 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
2593	99	26	0.2	Peak	9.006	10.418	10	Pass

Agilent
Measure

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.7 dB

Center 2.593 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**9.0061 MHz**

Transmit Freq Error -1.530 kHz

x dB Bandwidth 10.418 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**22.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:41540, 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
2685	99	26	0.2	Peak	9.001	10.456	10	Pass

Agilent
Measure

Ch Freq 2.685 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.7 dB

Center 2.685 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
9.0010 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 1.782 kHz	
<b>x dB Bandwidth</b> 10.456 MHz	

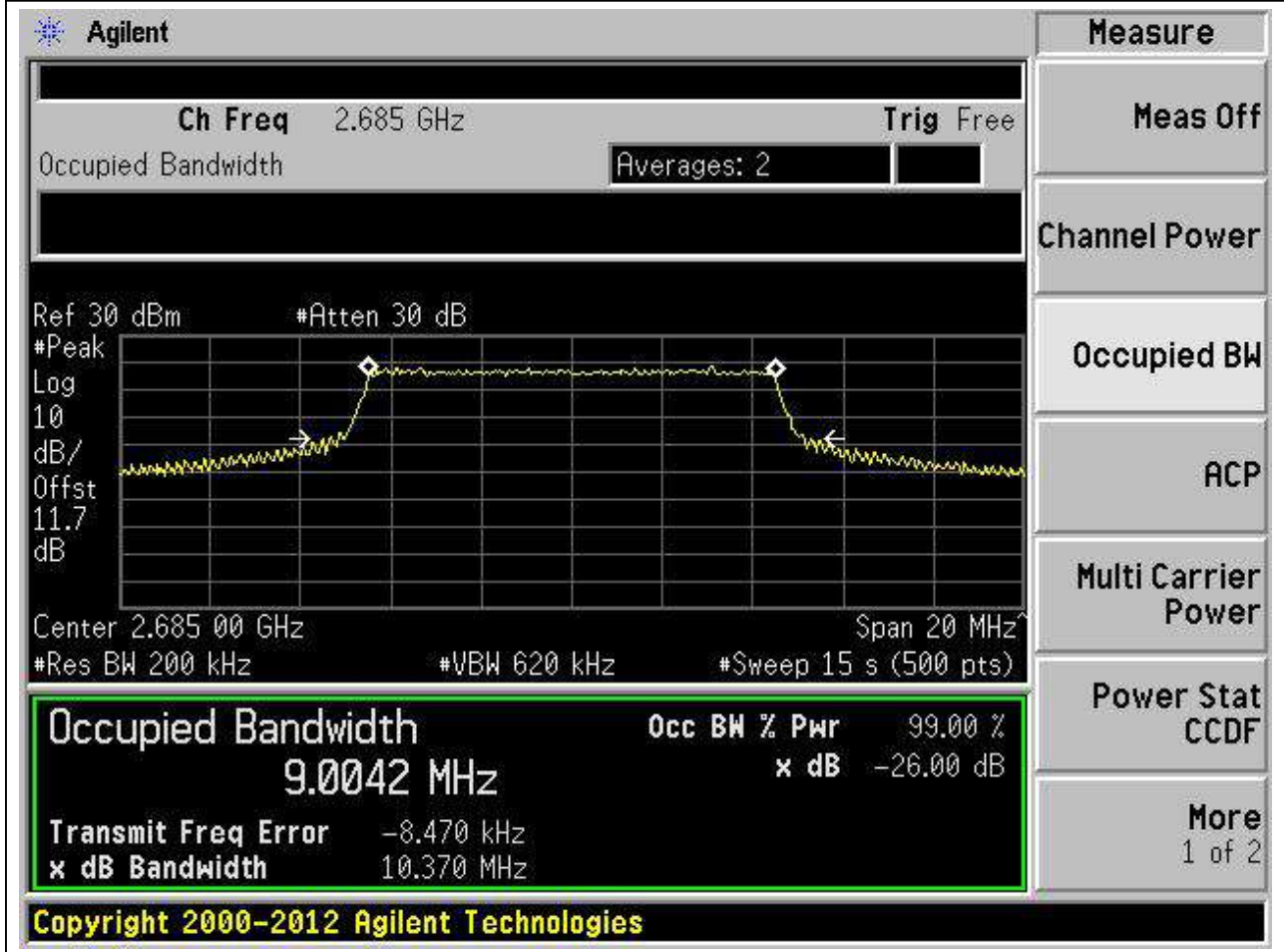
Power Stat CCDF

More 1 of 2

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**22.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:41540, 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
2685	99	26	0.2	Peak	9.004	10.37	10	Pass



**22.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:39725, 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
2503.5	99	26	0.3	Peak	13.519	16.391	15	Pass

Agilent

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

Ch Freq 2.5035 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.503 50 GHz Span 30 MHz

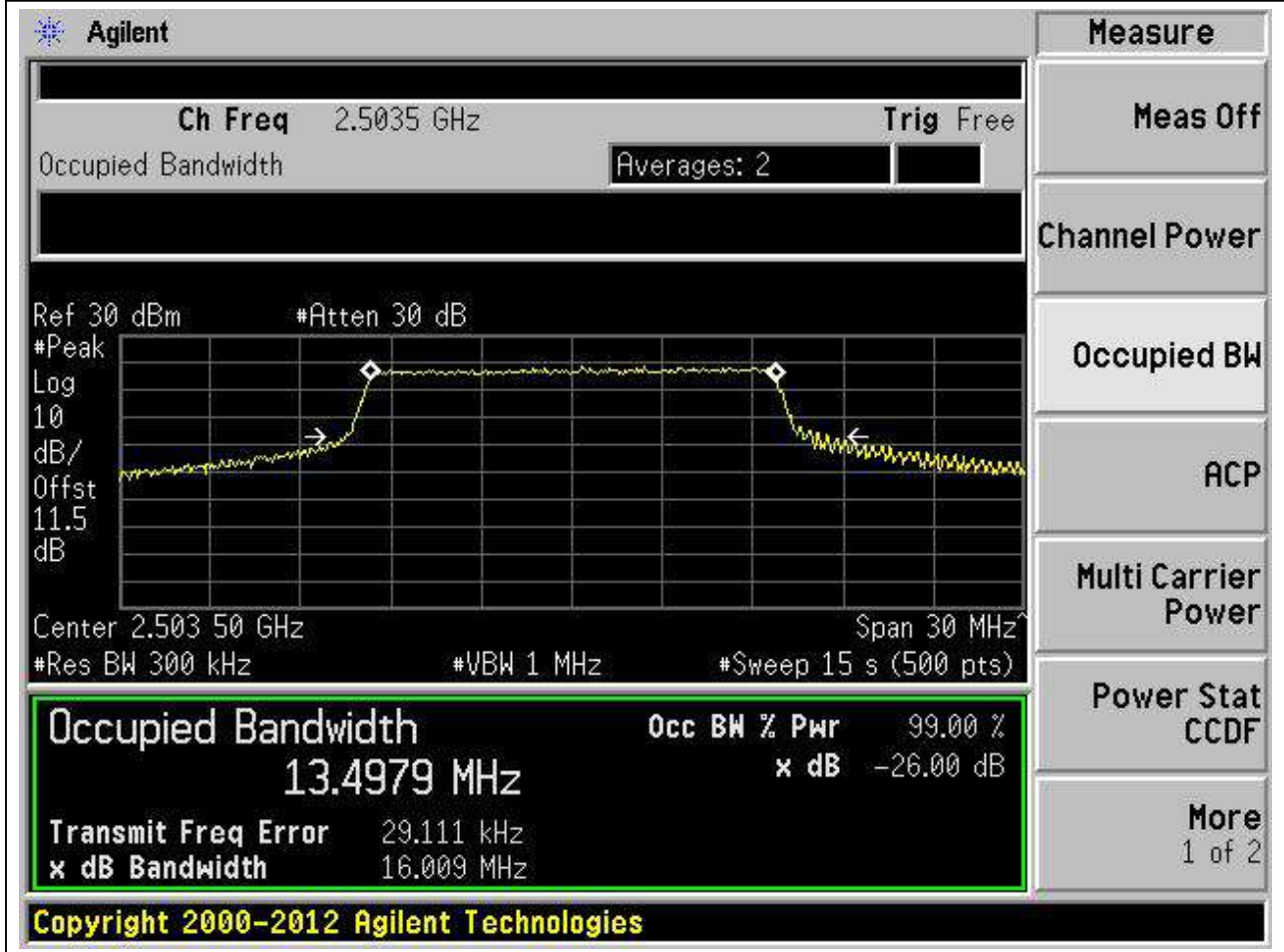
#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.5190 MHz	x dB -26.00 dB
Transmit Freq Error 17.805 kHz	
x dB Bandwidth 16.391 MHz	

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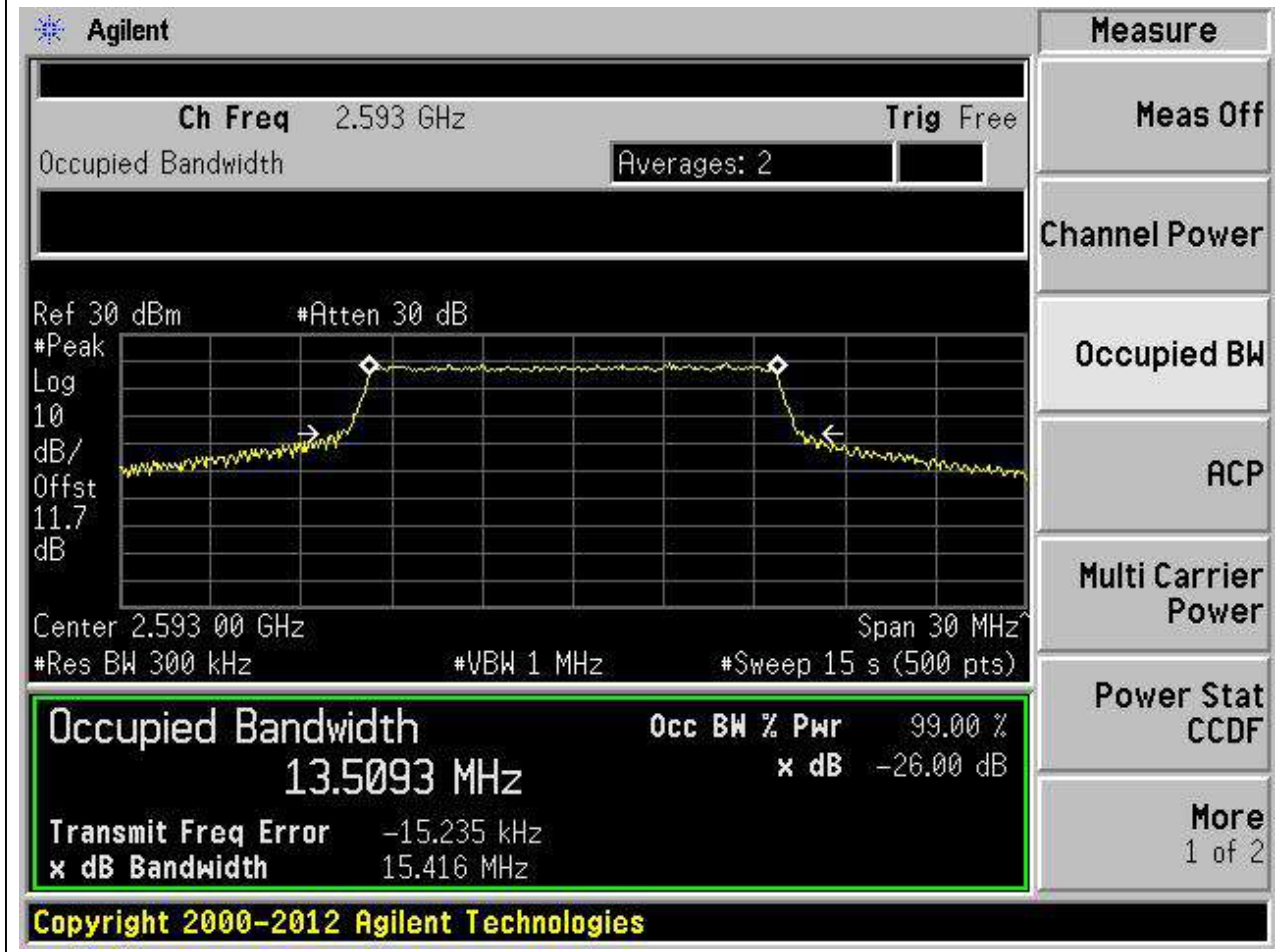
**22.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:39725, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.498	16.009	15	Pass



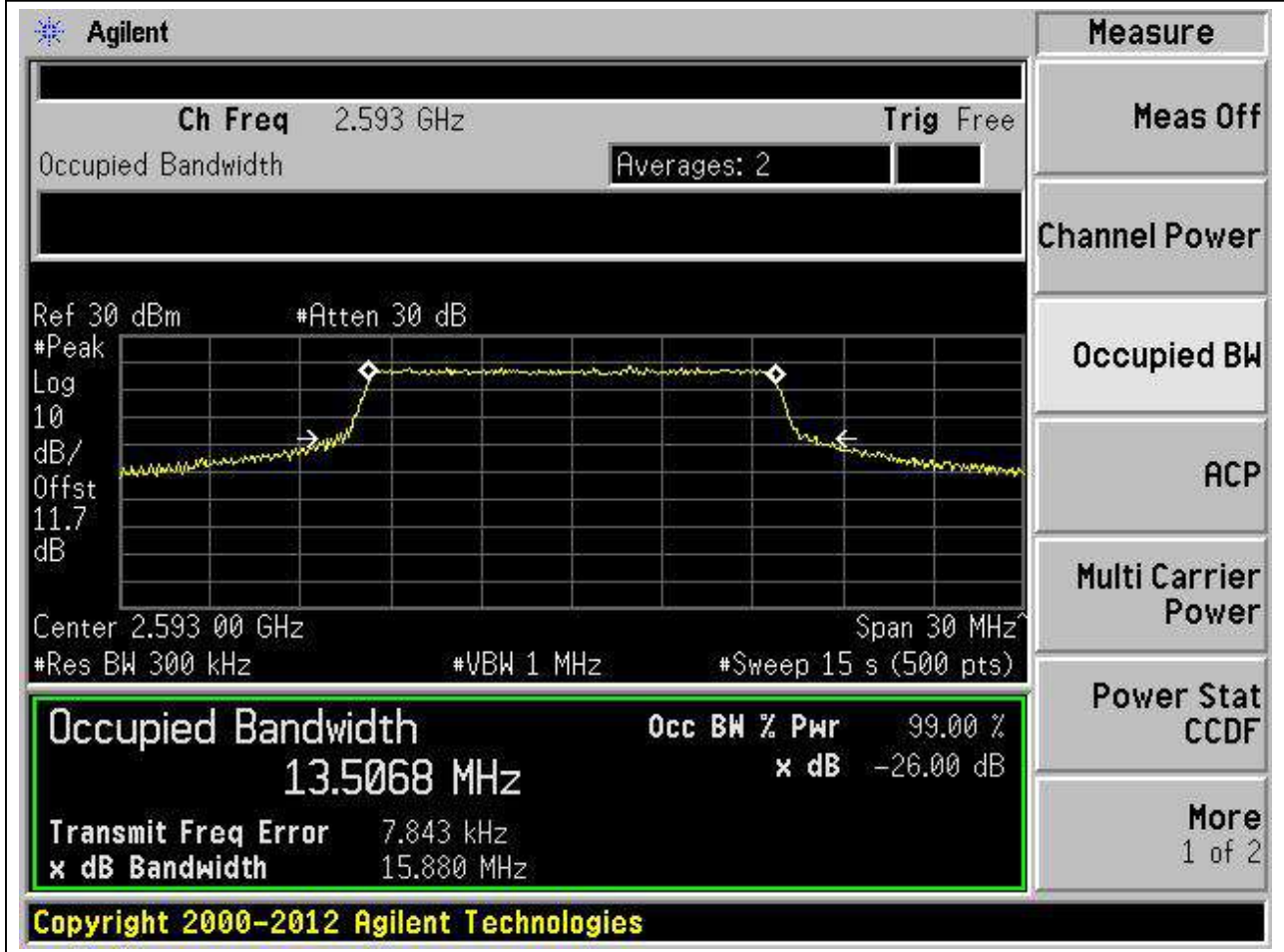
**22.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:40620, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.509	15.416	15	Pass



**22.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:40620, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

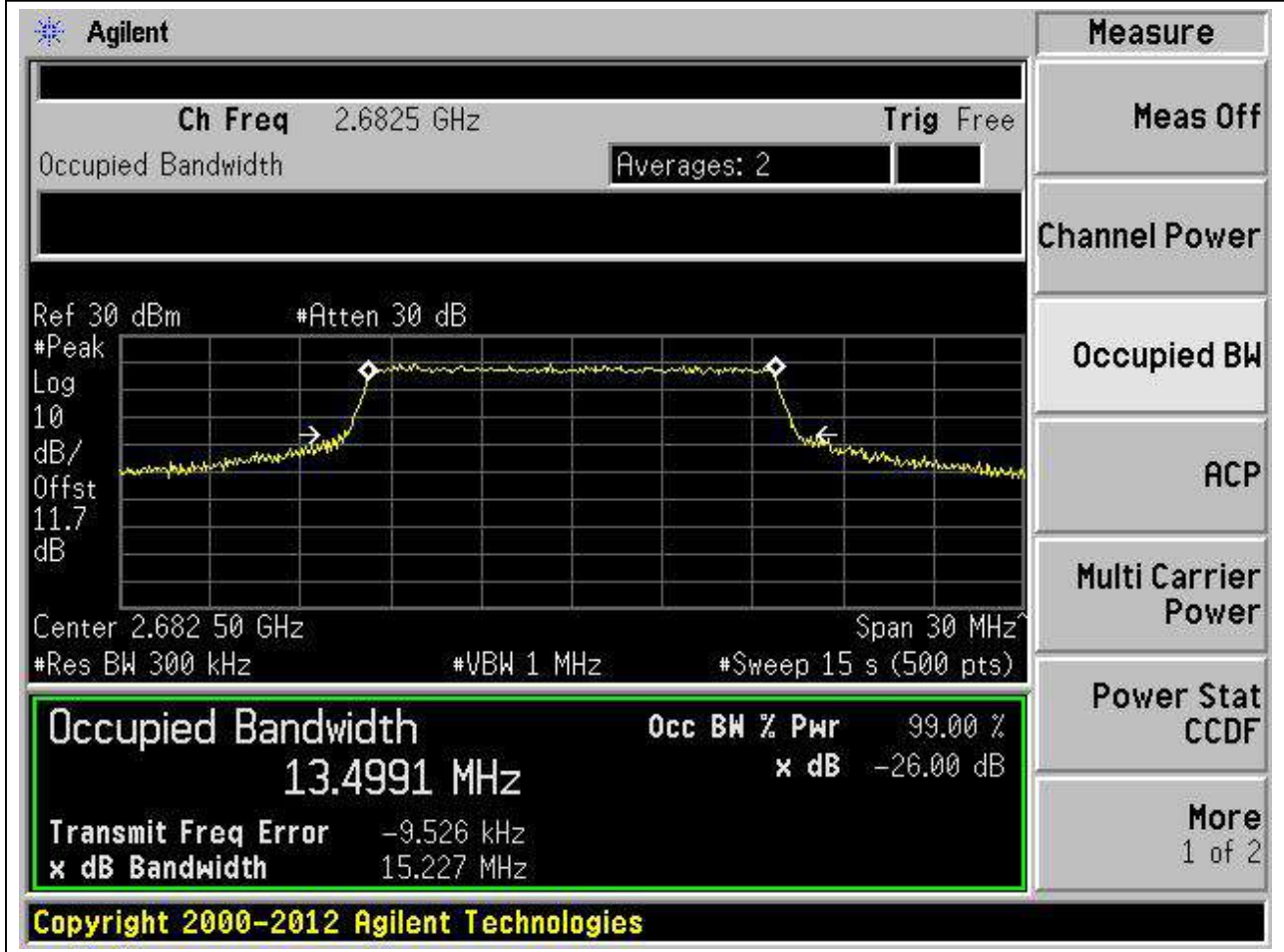
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.507	15.88	15	Pass





**22.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:41515, 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
2682.5	99	26	0.3	Peak	13.499	15.227	15	Pass



**22.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:41515, 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
2682.5	99	26	0.3	Peak	13.528	16.067	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.6825 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale, 'dB' units, and 'Peak' detection. The y-axis is labeled 'dB/Offst 11.7 dB'. The x-axis is labeled 'Center 2.682 50 GHz' and 'Span 30 MHz'. The plot shows a signal with a flat top and sloping sides, characteristic of a modulated signal. The top of the plot is labeled '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 15 s (500 pts)'. Below the plot, a summary box highlights the following measurements:

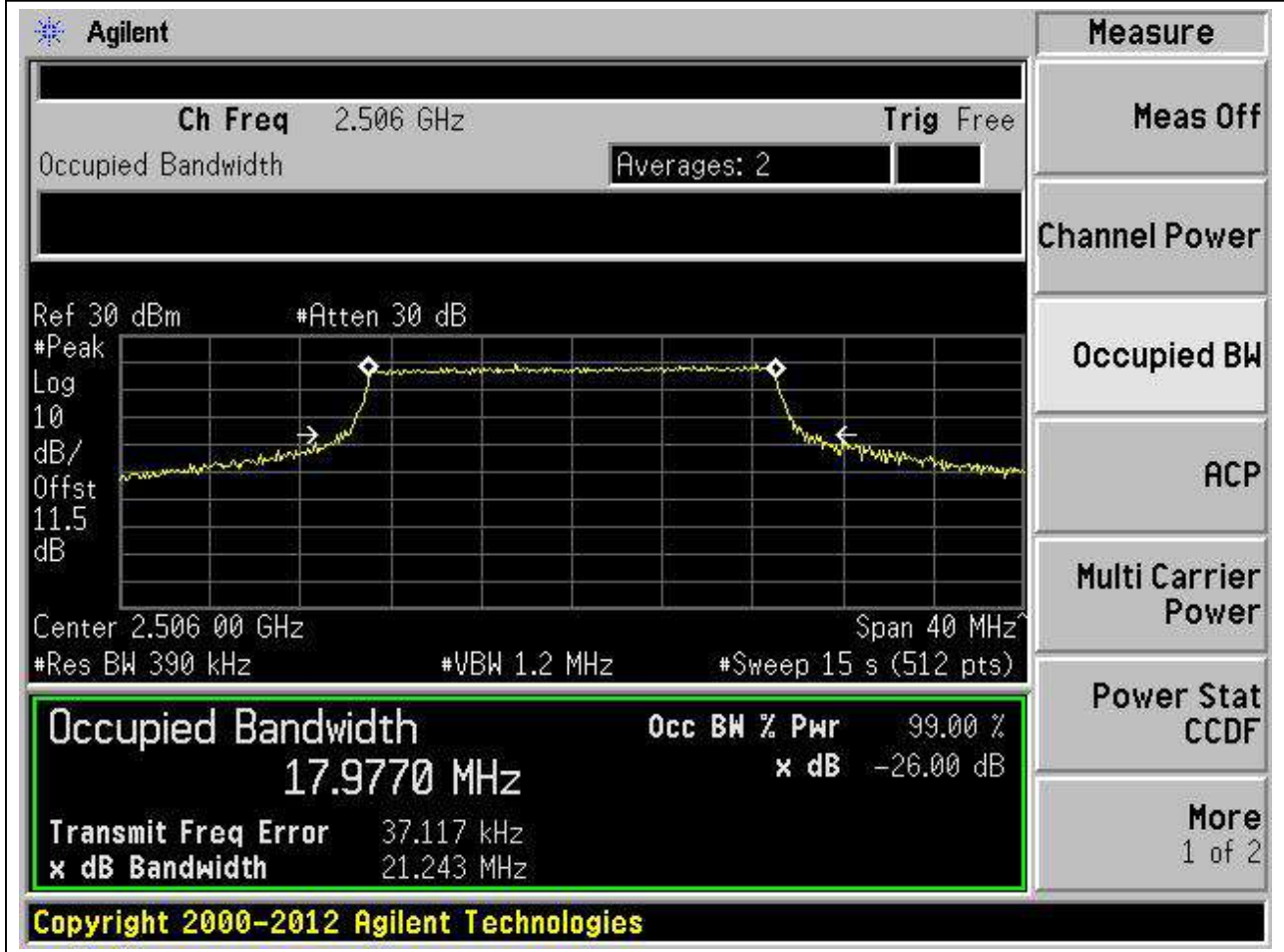
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>13.5284 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-12.458 kHz
<b>x dB Bandwidth</b>		16.067 MHz

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

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**22.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:39750, 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
2506	99	26	0.39	Peak	17.977	21.243	20	Pass



**22.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:39750, 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
2506	99	26	0.39	Peak	17.967	20.239	20	Pass

Agilent
Measure

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**17.9669 MHz**

Transmit Freq Error 36.873 kHz

x dB Bandwidth 20.239 MHz

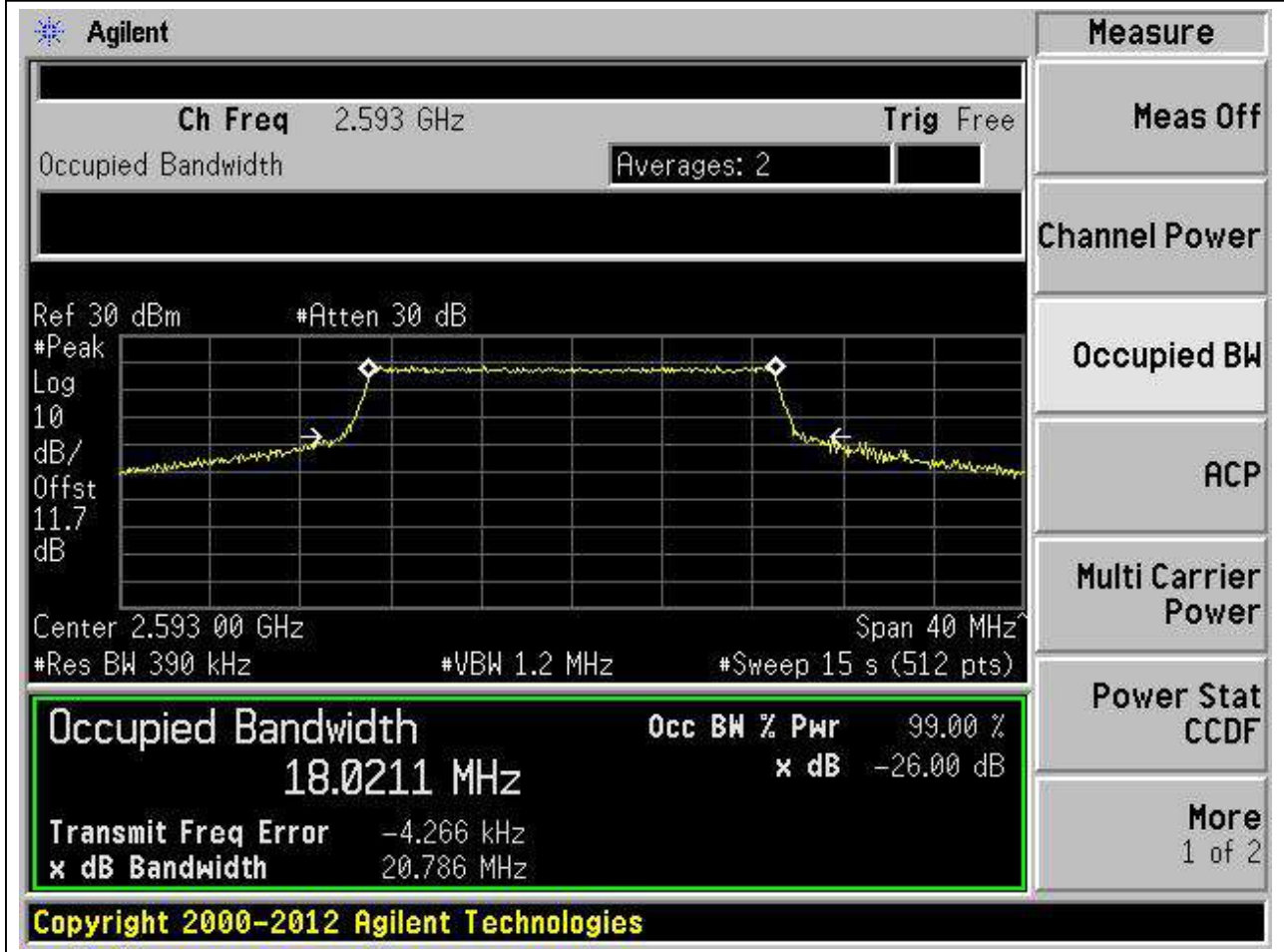
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**22.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:40620, 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
2593	99	26	0.39	Peak	18.021	20.786	20	Pass



**22.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:40620, 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
2593	99	26	0.39	Peak	18.028	20.745	20	Pass

Agilent
Measure

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.7 dB

Center 2.593 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**18.0281 MHz**

Transmit Freq Error -14.435 kHz

x dB Bandwidth 20.745 MHz

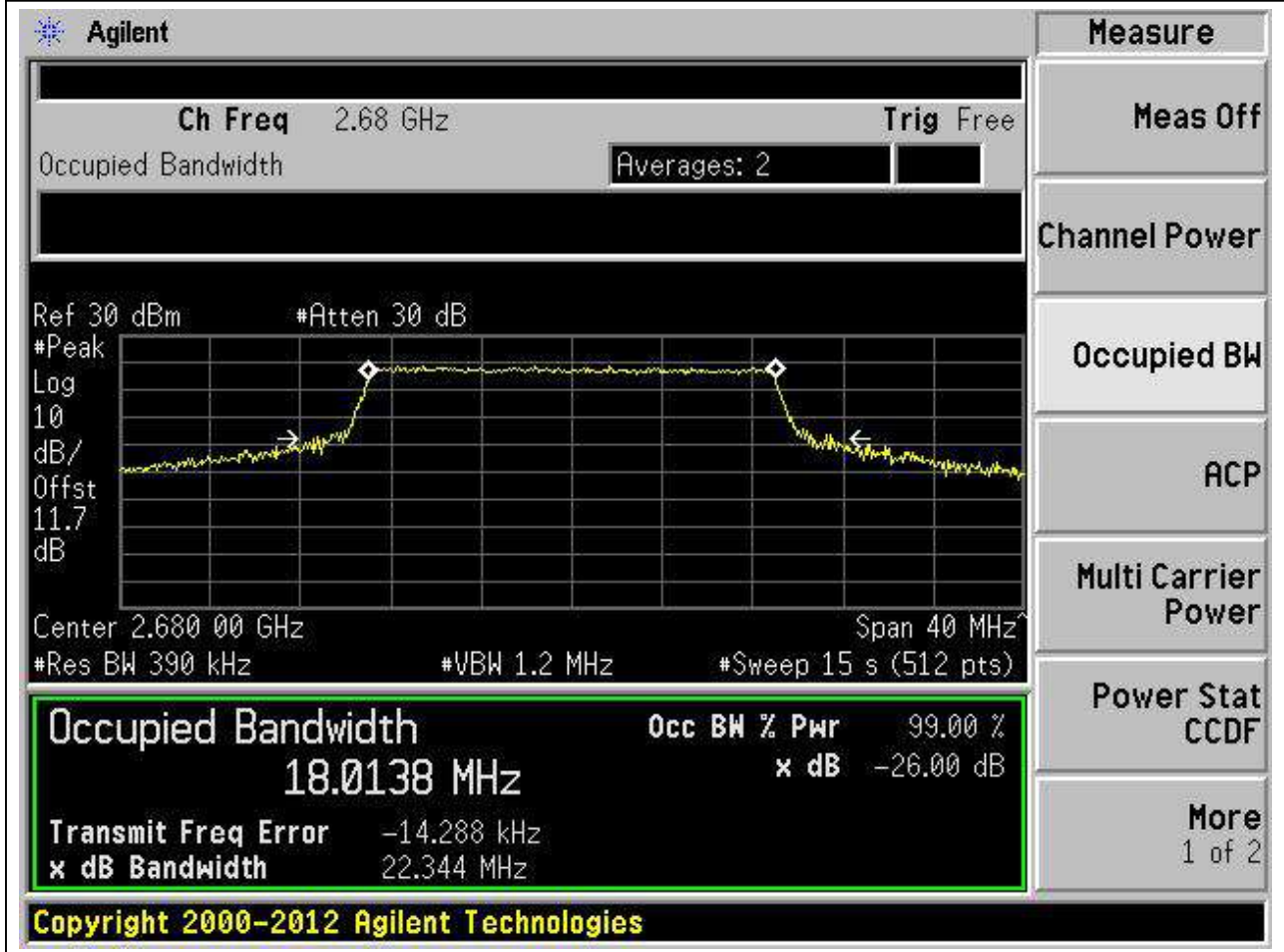
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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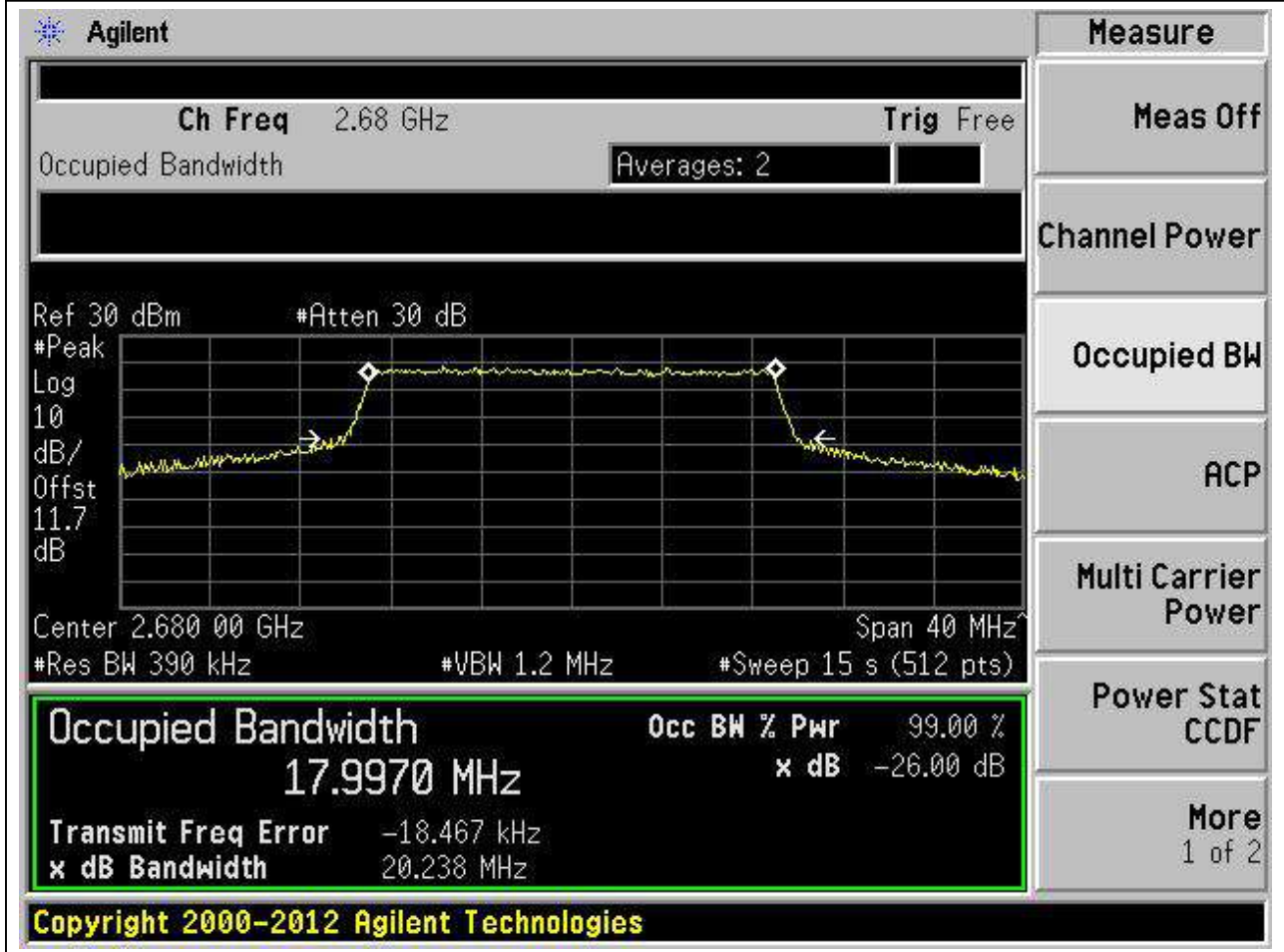
**22.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	18.014	22.344	20	Pass



**22.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

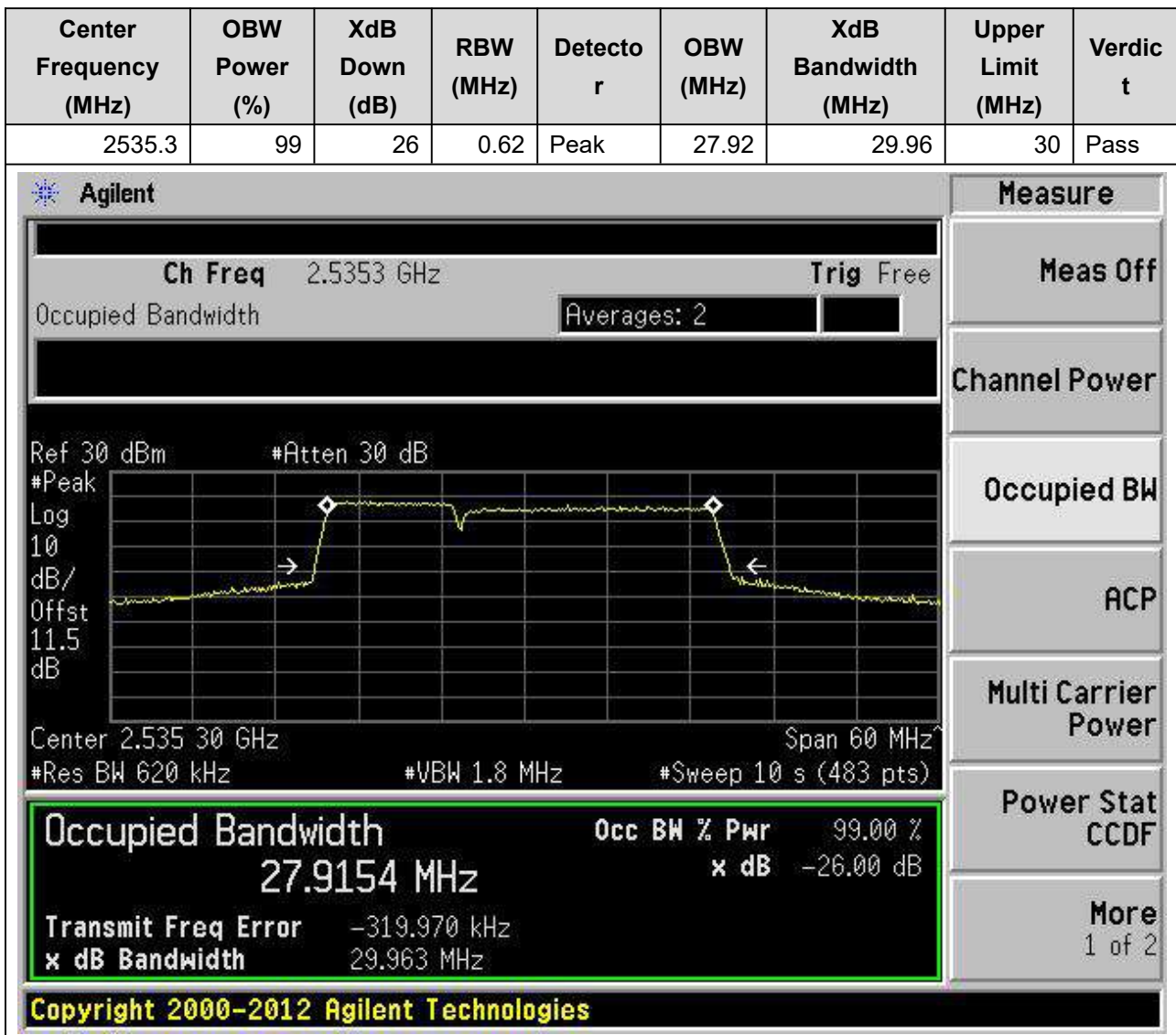
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.997	20.238	20	Pass





## 23. CA\_7C

23.1. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:21006|21150, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



**23.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2,  
Channel:21006|21150, Bandwidth:10|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.3	99	26	0.62	Peak	27.9	30.28	30	Pass

Agilent

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

Ch Freq 2.5353 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.535 30 GHz Span 60 MHz  
 #Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
27.8958 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-321.031 kHz
<b>x dB Bandwidth</b>	30.282 MHz

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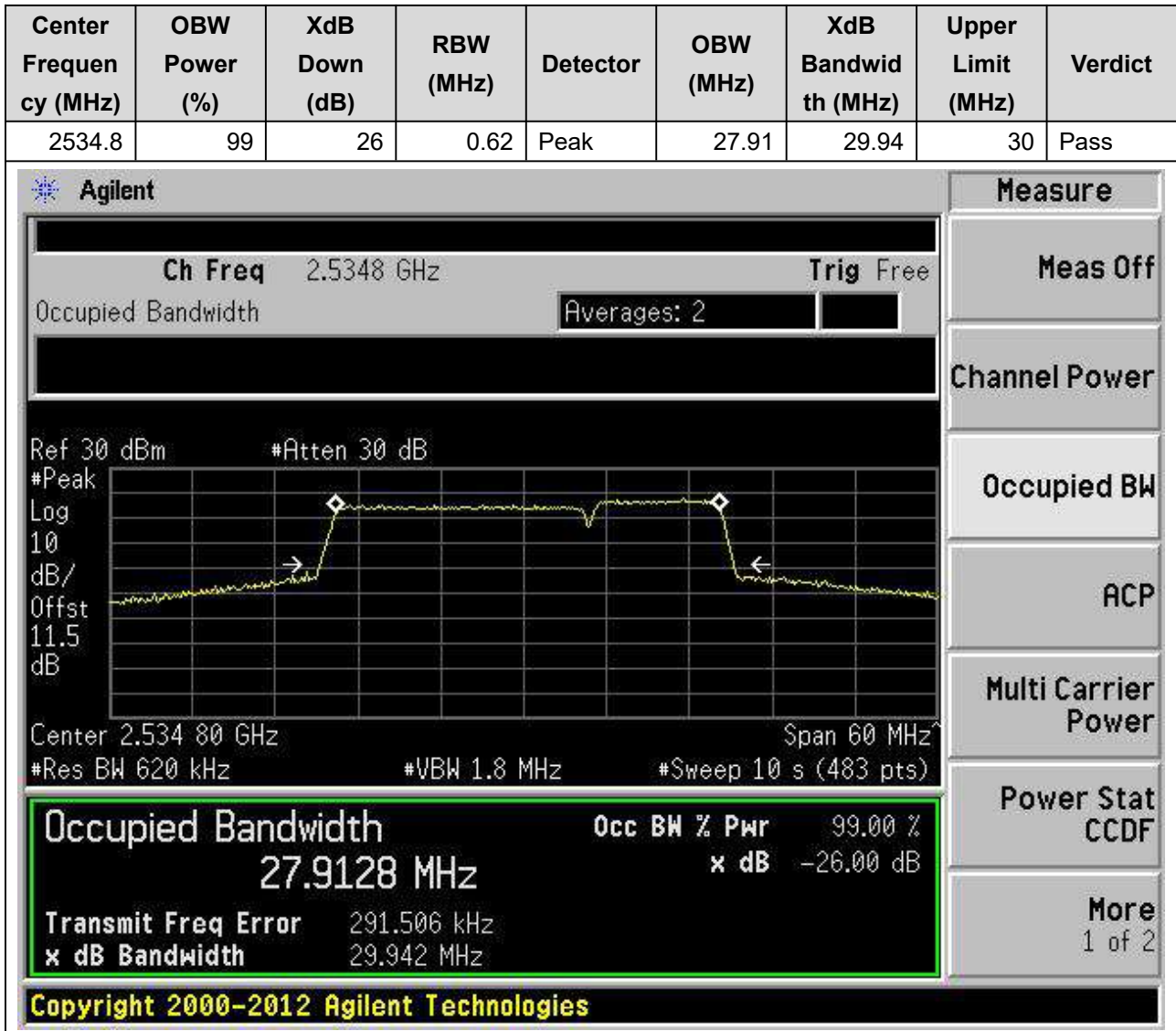
**23.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3,  
Channel:21051|21195, Bandwidth:20|10MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.8	99	26	0.62	Peak	27.89	29.97	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5348 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 11.5 dB'. The plot shows a signal with a peak at approximately 2.5348 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 27.8857 MHz. Other parameters shown include 'Occ BW % Pwr 99.00 %' and 'x dB -26.00 dB'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
27.8857 MHz		x dB	-26.00 dB
Transmit Freq Error	301.125 kHz		
x dB Bandwidth	29.968 MHz		

**23.4. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4,  
Channel:21051|21195, Bandwidth:20|10MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**



**23.5. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5,  
Channel:21025|21175, Bandwidth:15|15MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.51	30.71	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.535 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is highlighted with a green border. The main display area shows a spectrum plot with a yellow trace, a reference level at 30 dBm, and an attenuation of 30 dB. The plot shows a signal with a peak at approximately 2.535 GHz. The bottom section of the screen displays the following measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
28.5088 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		3.217 kHz
<b>x dB Bandwidth</b>		30.708 MHz

Additional parameters shown include: Center 2.535 00 GHz, Span 60 MHz, #Res BW 620 kHz, #VBW 1.8 MHz, #Sweep 10 s (483 pts). The right-hand side of the interface features a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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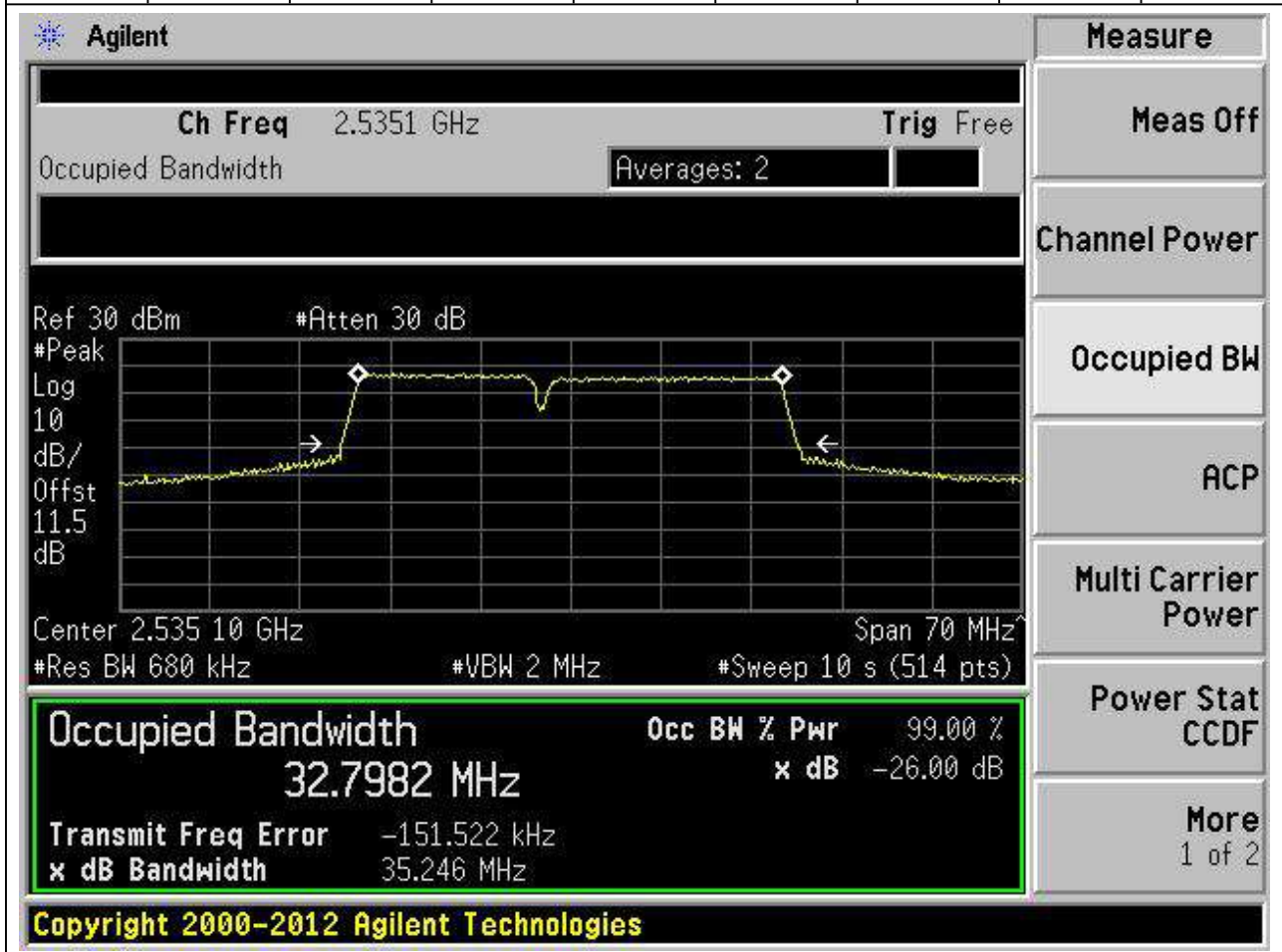
**23.6. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6,  
Channel:21025|21175, Bandwidth:15|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.47	30.66	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.535 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is highlighted with a green border, showing a value of 28.4717 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error -15.080 kHz' and 'x dB Bandwidth 30.661 MHz'. The graph shows a signal with a peak at 2.535 GHz and a bandwidth of approximately 30 MHz. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

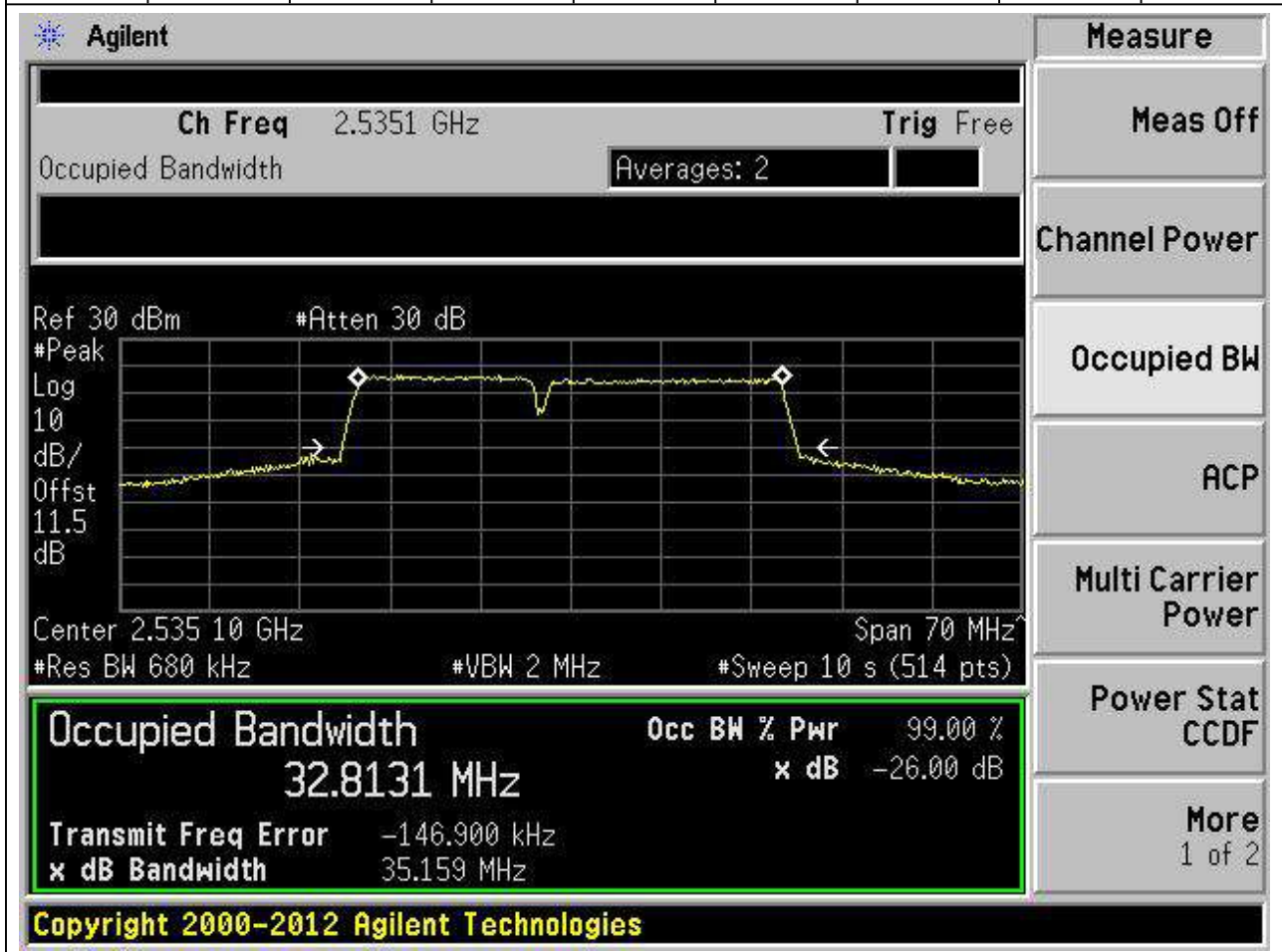
**23.7. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7,  
Channel:21003|21174, Bandwidth:15|20MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.1	99	26	0.68	Peak	32.8	35.25	35	Pass



**23.8. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8,  
Channel:21003|21174, Bandwidth:15|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.1	99	26	0.68	Peak	32.81	35.16	35	Pass





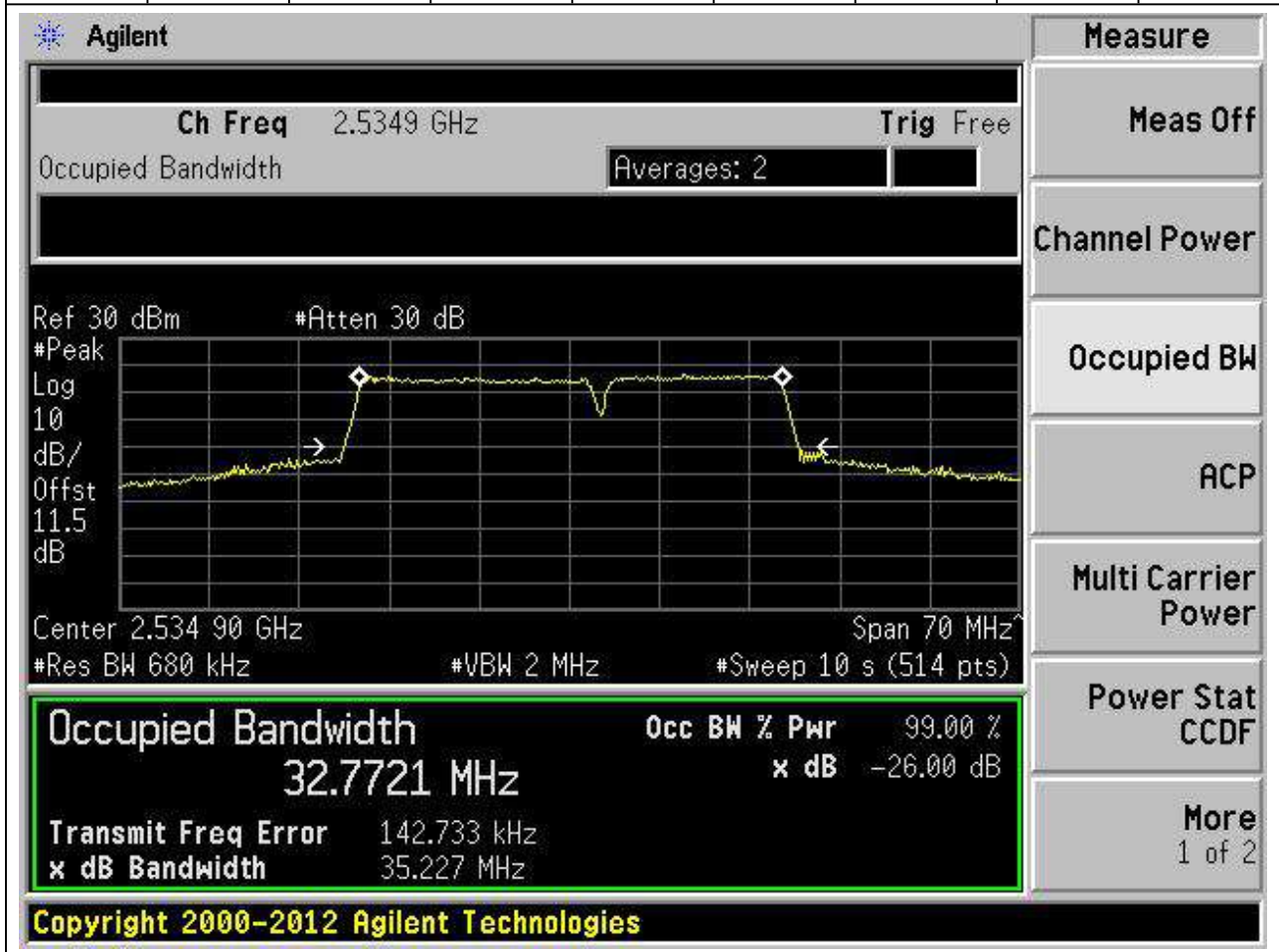
**23.9. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9,  
Channel:21026|21197, Bandwidth:20|15MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.9	99	26	0.68	Peak	32.87	35.23	35	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5349 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' with values 10 and 11.5. The x-axis shows 'Center 2.53490 GHz' and 'Span 70 MHz'. Below the plot, the following parameters are listed: '#Res BW 680 kHz', '#WBW 2 MHz', and '#Sweep 10 s (514 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 32.8655 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 126.237 kHz' and 'x dB Bandwidth 35.235 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.

**23.10. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10,  
Channel:21026|21197, Bandwidth:20|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.9	99	26	0.68	Peak	32.77	35.23	35	Pass



**23.11. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11,  
Channel:21001|21199, Bandwidth:20|20MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.79	40.57	40	Pass

Agilent

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

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.535 00 GHz Span 80 MHz  
 #Res BW 820 kHz #VBW 2.4 MHz #Sweep 10 s (487 pts)

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
 37.7912 MHz x dB -26.00 dB

Transmit Freq Error -29.578 kHz  
 x dB Bandwidth 40.565 MHz

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**23.12. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12,  
Channel:21001|21199, Bandwidth:20|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.76	40.42	40	Pass

**Agilent**

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.535 00 GHz Span 80 MHz

#Res BW 820 kHz #VBW 2.4 MHz #Sweep 10 s (487 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
37.7594 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-1.674 kHz
<b>x dB Bandwidth</b>		40.420 MHz

**Measure**

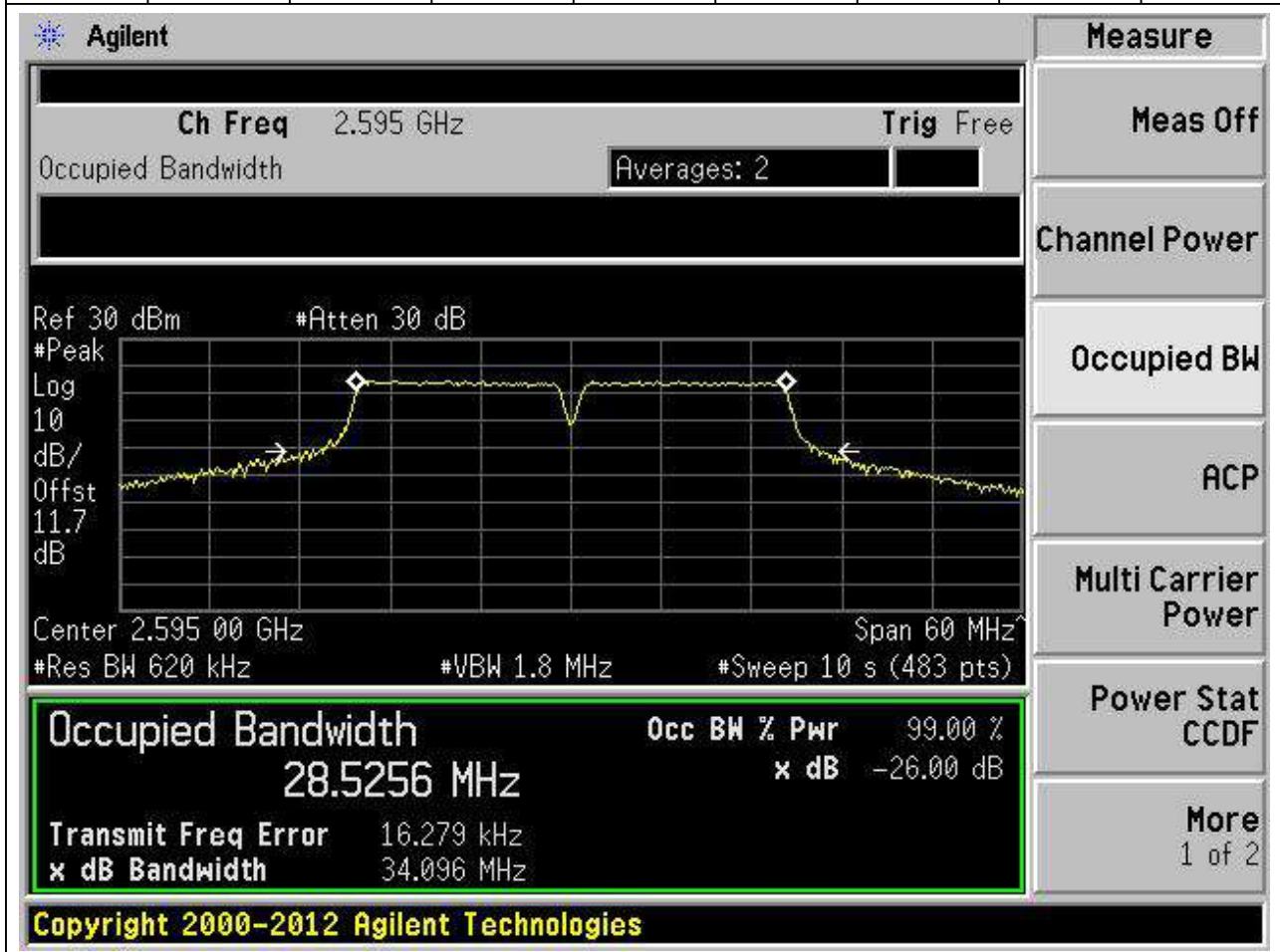
- Meas Off
- Channel Power
- Occupied BW
- ACP
- Multi Carrier Power
- Power Stat CCDF
- More 1 of 2

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## 24. CA\_38C

24.1. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:37925|38075, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.62	Peak	28.53	34.1	30	Pass



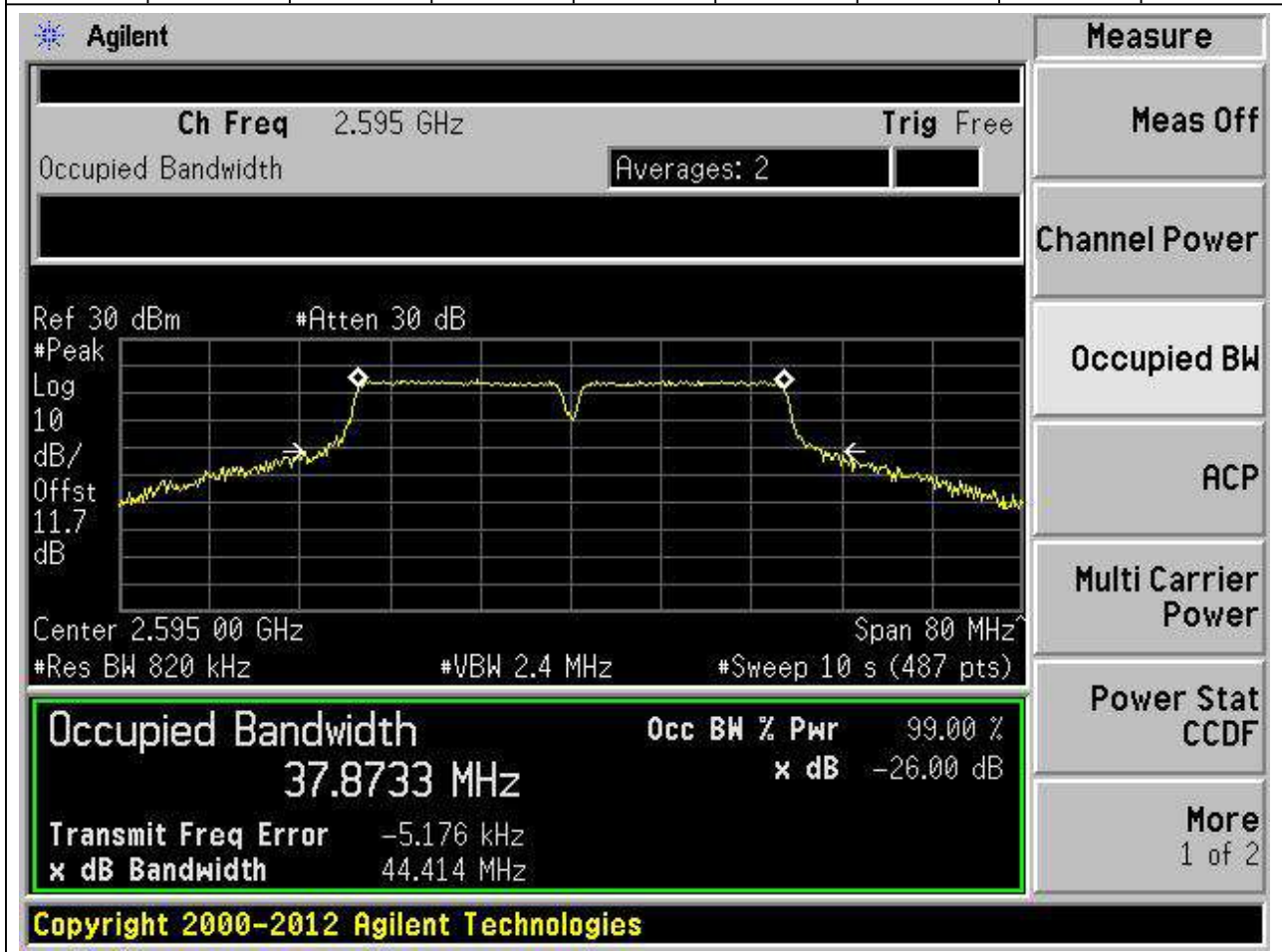
**24.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2,  
Channel:37925|38075, Bandwidth:15|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.62	Peak	28.47	32.54	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.595 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', '#Peak Log', '10 dB/Offst', and '11.7 dB'. The plot shows a signal with a central dip and side lobes. Below the plot, the following parameters are listed: 'Center 2.595 00 GHz', 'Span 60 MHz', '#Res BW 620 kHz', '#VBW 1.8 MHz', and '#Sweep 10 s (483 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 28.4652 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -1.991 kHz' and 'x dB Bandwidth 32.540 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.

**24.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3,  
Channel:37901|38099, Bandwidth:20|20MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.87	44.41	40	Pass



**24.4. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4,  
Channel:37901|38099, Bandwidth:20|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.77	42.88	40	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.595 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is highlighted with a green border, showing a value of 37.7699 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error -15.711 kHz' and 'x dB Bandwidth 42.879 MHz'. The graph shows a signal with a central dip and side lobes. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.