

**17.12. LTE Occupied Bandwidth(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	2.688	2.952	3	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 1.7785 GHz and a span of 6 MHz. The vertical axis is labeled 'dB' and the horizontal axis is labeled 'MHz'. The plot shows a signal with a peak at approximately 1.7785 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.6885 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -2.888 kHz and the 'x dB Bandwidth' is 2.952 MHz. The interface also shows various measurement settings such as 'Ref 30 dBm', '#Atten 30 dB', '#Peak', 'Log', '10 dB/Offst', '10.5 dB', 'Center 1.778 500 GHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. The 'Measure' menu is open, showing options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

**17.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:131997, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

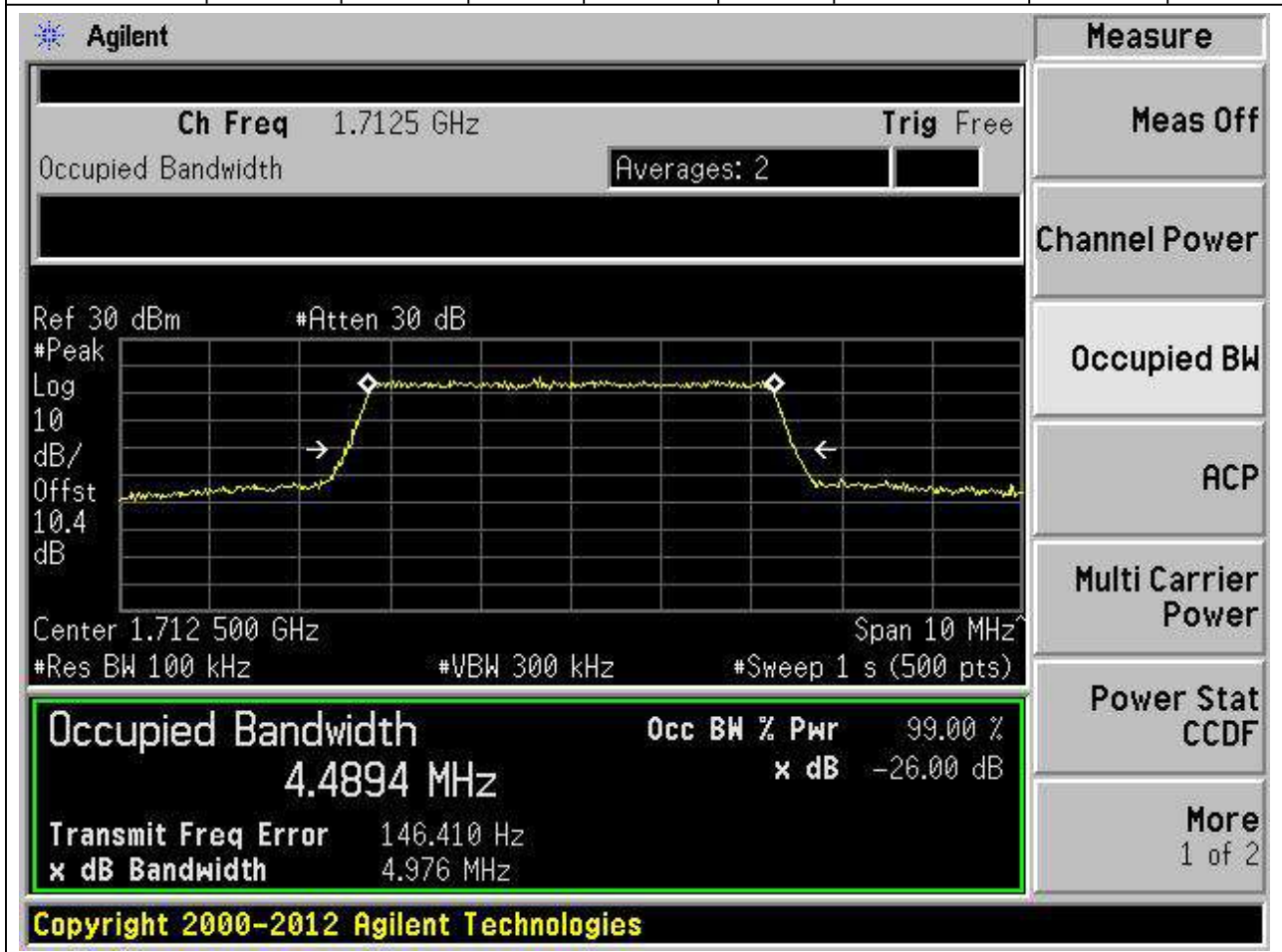
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.496	4.977	5	Pass

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 1.7125 GHz and a span of 10 MHz. The vertical axis is labeled 'dB/Offst' with a scale of 10.4 dB. The horizontal axis is labeled 'Span 10 MHz'. The plot shows a signal with a peak at approximately 1.7125 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.4965 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -3.330 kHz and the 'x dB Bandwidth' is 4.977 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

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

**17.14. LTE Occupied Bandwidth(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	4.489	4.976	5	Pass



**17.15. LTE Occupied Bandwidth(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	4.493	4.949	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 1.745 GHz and a span of 10 MHz. The vertical axis is labeled 'dB/Offst' and has a scale of 10.5 dB. The horizontal axis is labeled 'Span' and has a scale of 10 MHz. The plot shows a signal with a peak at approximately 1.745 GHz. The peak is marked with a diamond symbol. The plot is labeled 'Occupied Bandwidth' and 'Averages: 2'. The plot also shows 'Ref 30 dBm' and '#Atten 30 dB'. The plot is labeled 'Log' and '10 dB/Offst 10.5 dB'. The plot is labeled 'Center 1.745 000 GHz' 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 -6.476 kHz' and 'x dB Bandwidth 4.949 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**  
**4.4933 MHz**  
 Occ BW % Pwr 99.00 %  
 x dB -26.00 dB  
 Transmit Freq Error -6.476 kHz  
 x dB Bandwidth 4.949 MHz

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**17.16. LTE Occupied Bandwidth(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	4.495	4.965	5	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz 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**

**4.4954 MHz**

Transmit Freq Error -2.828 kHz

x dB Bandwidth 4.965 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**17.17. LTE Occupied Bandwidth(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	4.49	4.924	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 1.7775 GHz. The plot parameters are: Center 1.777 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts). The plot shows a signal with a peak at approximately 1.7775 GHz. The signal is measured at a reference level of 30 dBm and an attenuation of 30 dB. The signal is measured at a resolution bandwidth of 100 kHz and a video bandwidth of 300 kHz. The signal is measured at a sweep rate of 1 s (500 pts). The signal is measured at a peak detector. The signal is measured at a resolution bandwidth of 100 kHz and a video bandwidth of 300 kHz. The signal is measured at a sweep rate of 1 s (500 pts). The signal is measured at a peak detector. The signal is measured at a resolution bandwidth of 100 kHz and a video bandwidth of 300 kHz. The signal is measured at a sweep rate of 1 s (500 pts). The signal is measured at a peak detector.

**Measure**

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

**Occupied Bandwidth** 4.4901 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -1.667 kHz

**x dB Bandwidth** 4.924 MHz

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**17.18. LTE Occupied Bandwidth(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	4.499	5.021	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 1.7775 GHz with a span of 10 MHz. The vertical axis is labeled 'dB' and the horizontal axis is labeled 'MHz'. The plot shows a signal with a peak at approximately 1.7775 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.4993 MHz and 99.00% power. The 'X dB Bandwidth' is 5.021 MHz and the 'X dB' value is -26.00 dB. The 'Transmit Freq Error' is 654.242 Hz. The 'Power Stat' is CCDF. The 'More' button shows 1 of 2 items.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4993 MHz	x dB	-26.00 dB
Transmit Freq Error	654.242 Hz	
x dB Bandwidth	5.021 MHz	

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**17.19. LTE Occupied Bandwidth(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	8.971	9.892	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.715 00 GHz Span 20 MHz  
 #Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9706 MHz** x dB -26.00 dB

Transmit Freq Error 6.126 kHz

x dB Bandwidth 9.892 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2



**17.20. LTE Occupied Bandwidth(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	8.951	9.731	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 1.715 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted in a green box with the following values:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9510 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.764 kHz	
<b>x dB Bandwidth</b>	9.731 MHz	

Additional parameters shown include: Ch Freq 1.715 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.715 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**17.21. LTE Occupied Bandwidth(NTNV)(Subtest:21, Channel:132322, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

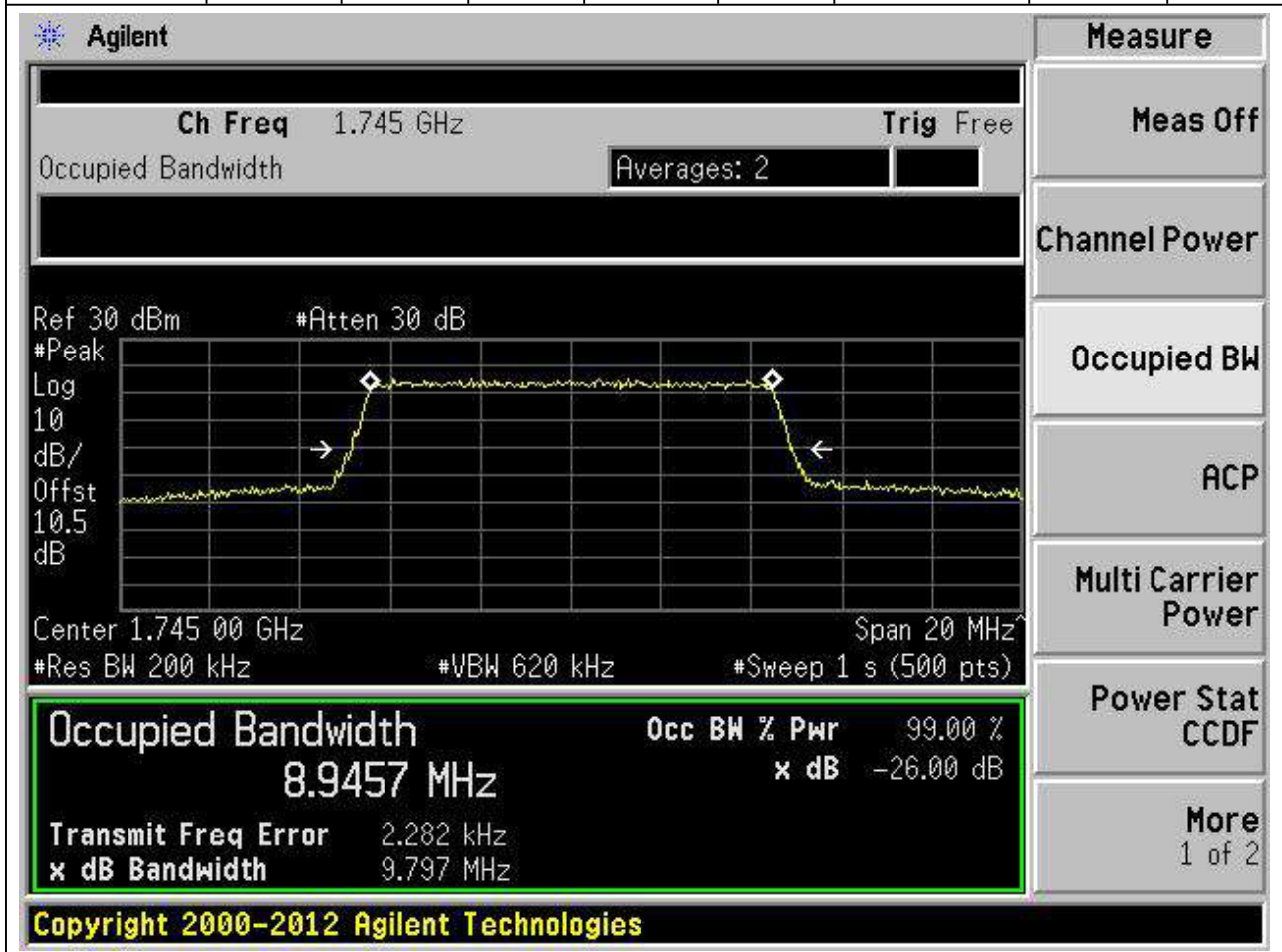
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.945	9.821	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.745 GHz with a span of 20 MHz. The vertical axis is labeled 'dB' and the horizontal axis is labeled 'MHz'. 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 8.9452 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 2.861 kHz and the 'x dB Bandwidth' is 9.821 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr
8.9452 MHz	99.00 %
Transmit Freq Error	x dB
2.861 kHz	-26.00 dB
x dB Bandwidth	
9.821 MHz	

**17.22. LTE Occupied Bandwidth(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	8.946	9.797	10	Pass



**17.23. LTE Occupied Bandwidth(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	8.955	9.844	10	Pass

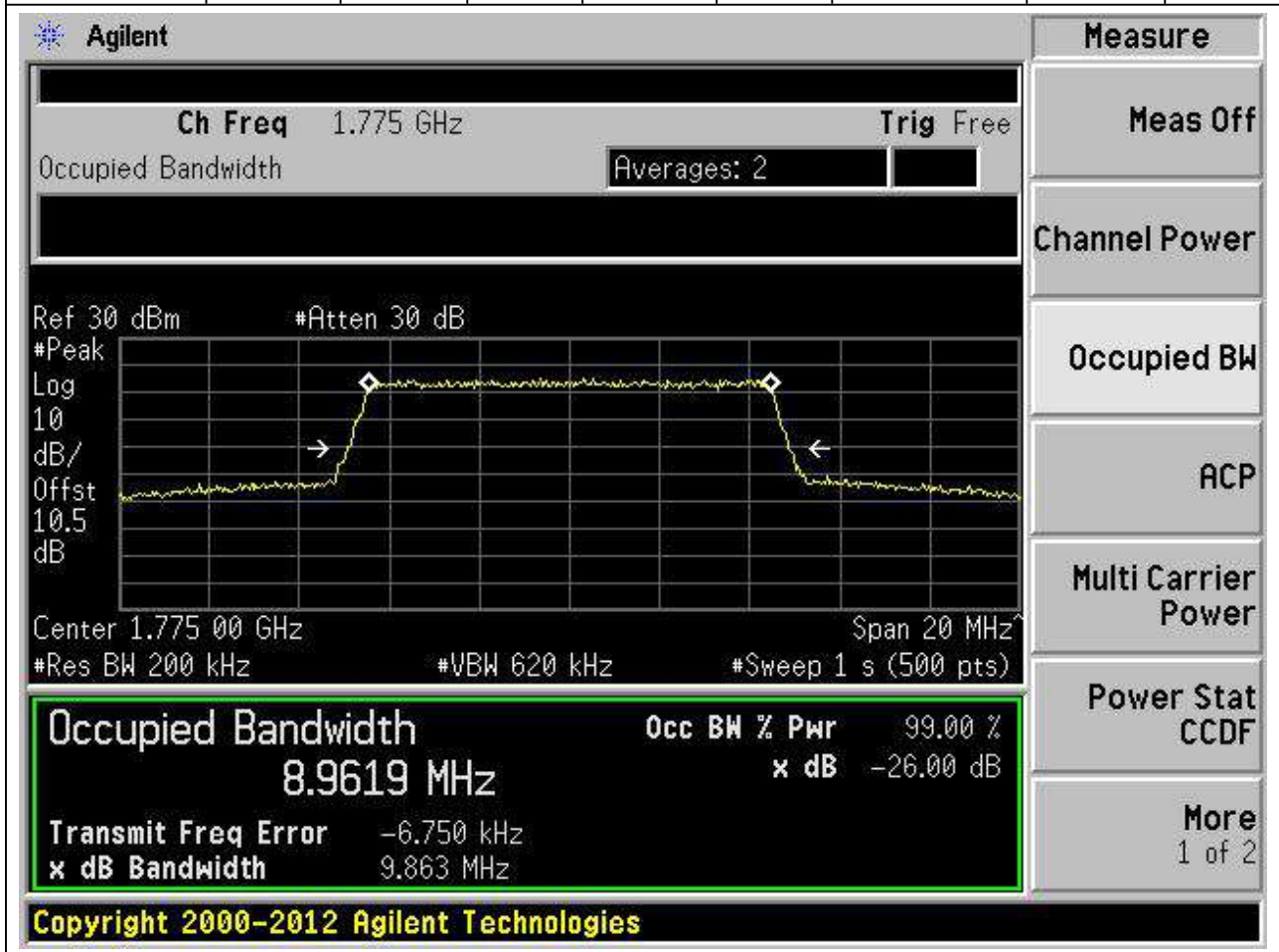
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.775 GHz with a span of 20 MHz. The vertical axis is labeled 'dB' and the horizontal axis is labeled 'MHz'. The plot shows a signal with a peak at approximately 1.775 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9553 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -3.523 kHz and the 'x dB Bandwidth' is 9.844 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'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9553 MHz	99.00 %	-26.00 dB

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**17.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:132622, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

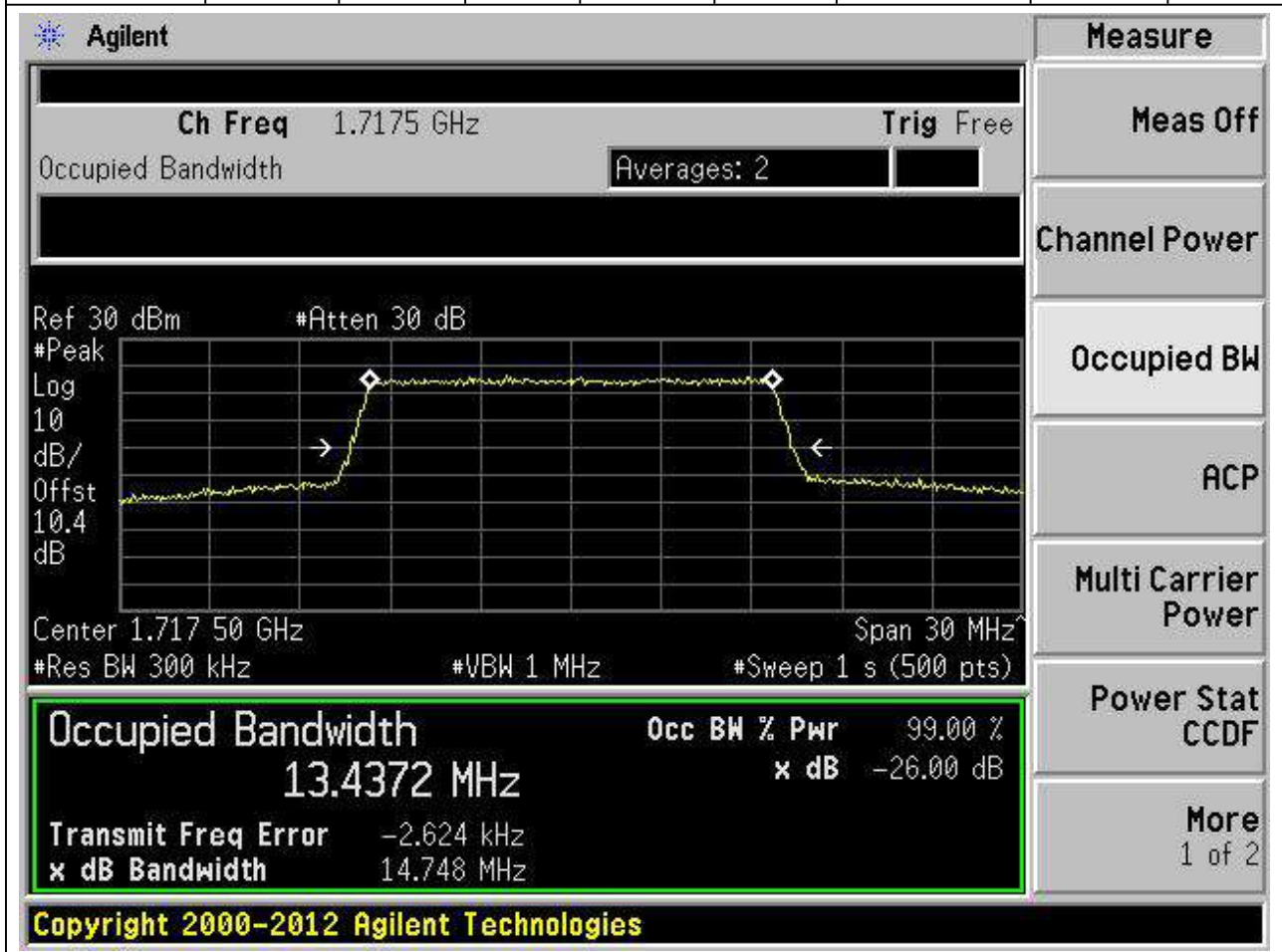
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.962	9.863	10	Pass





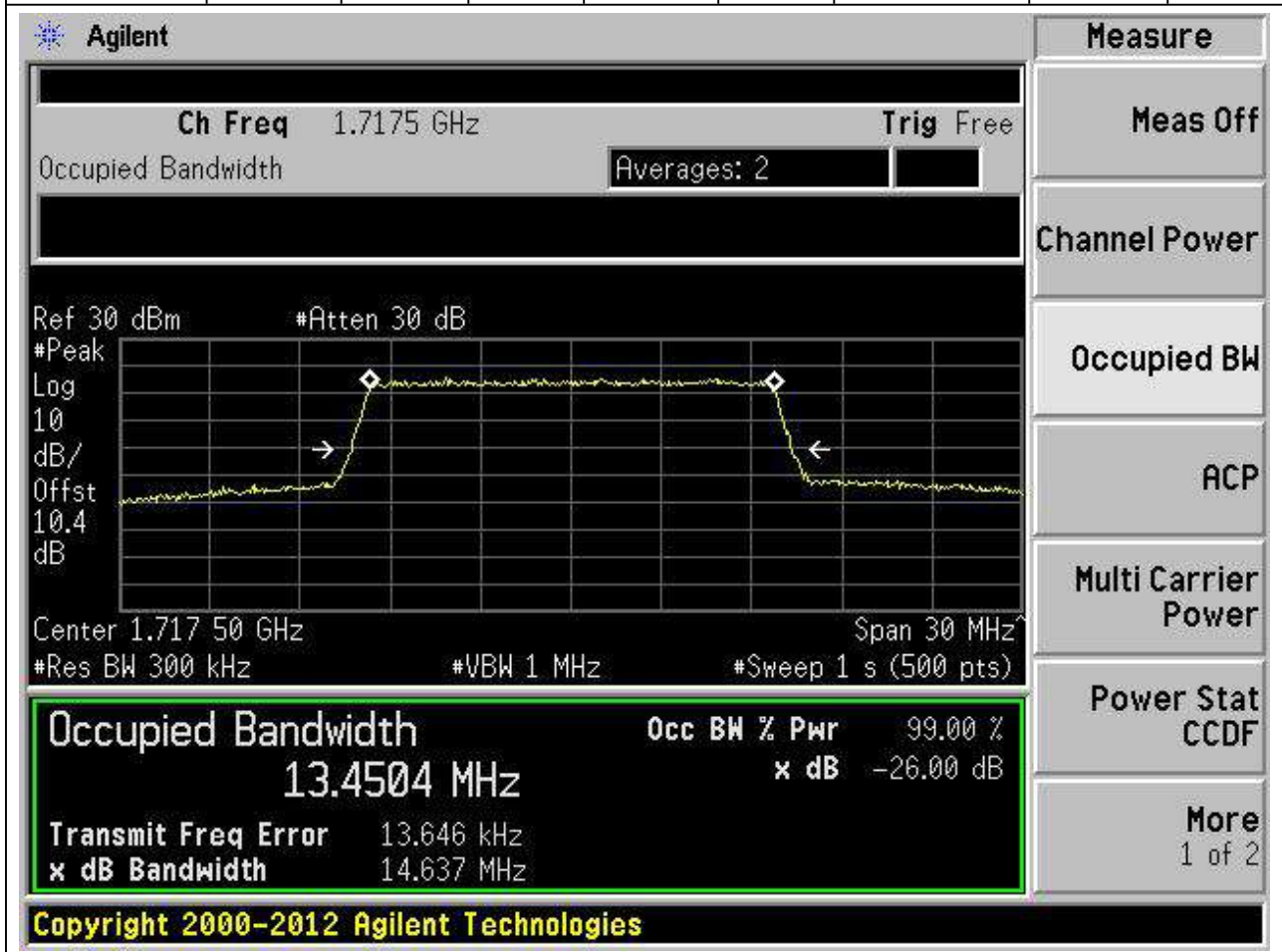
**17.25. LTE Occupied Bandwidth(NTNV)(Subtest:25, Channel:132047, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

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	13.437	14.748	15	Pass



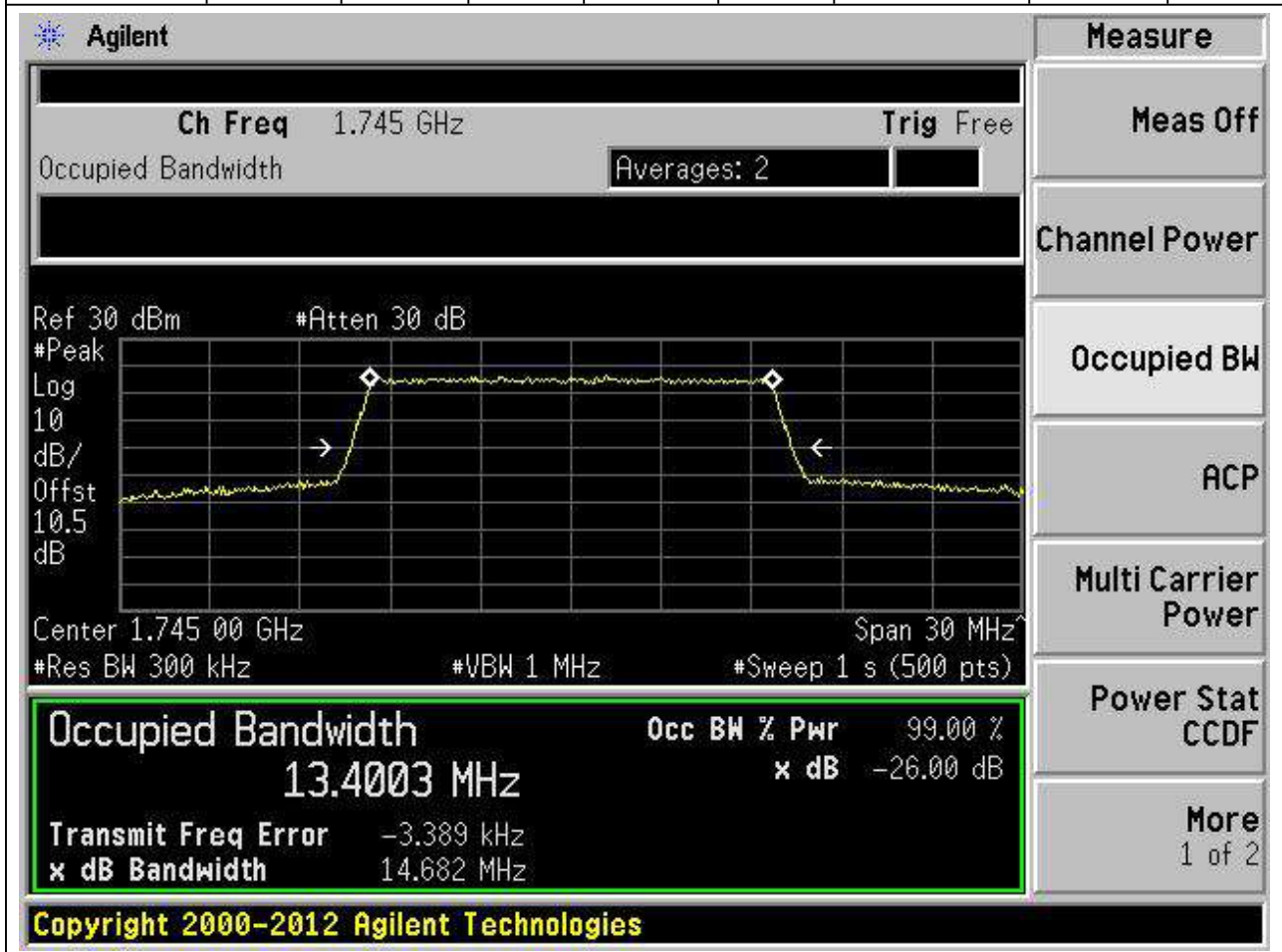
**17.26. LTE Occupied Bandwidth(NTNV)(Subtest:26, Channel:132047, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

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	13.45	14.637	15	Pass



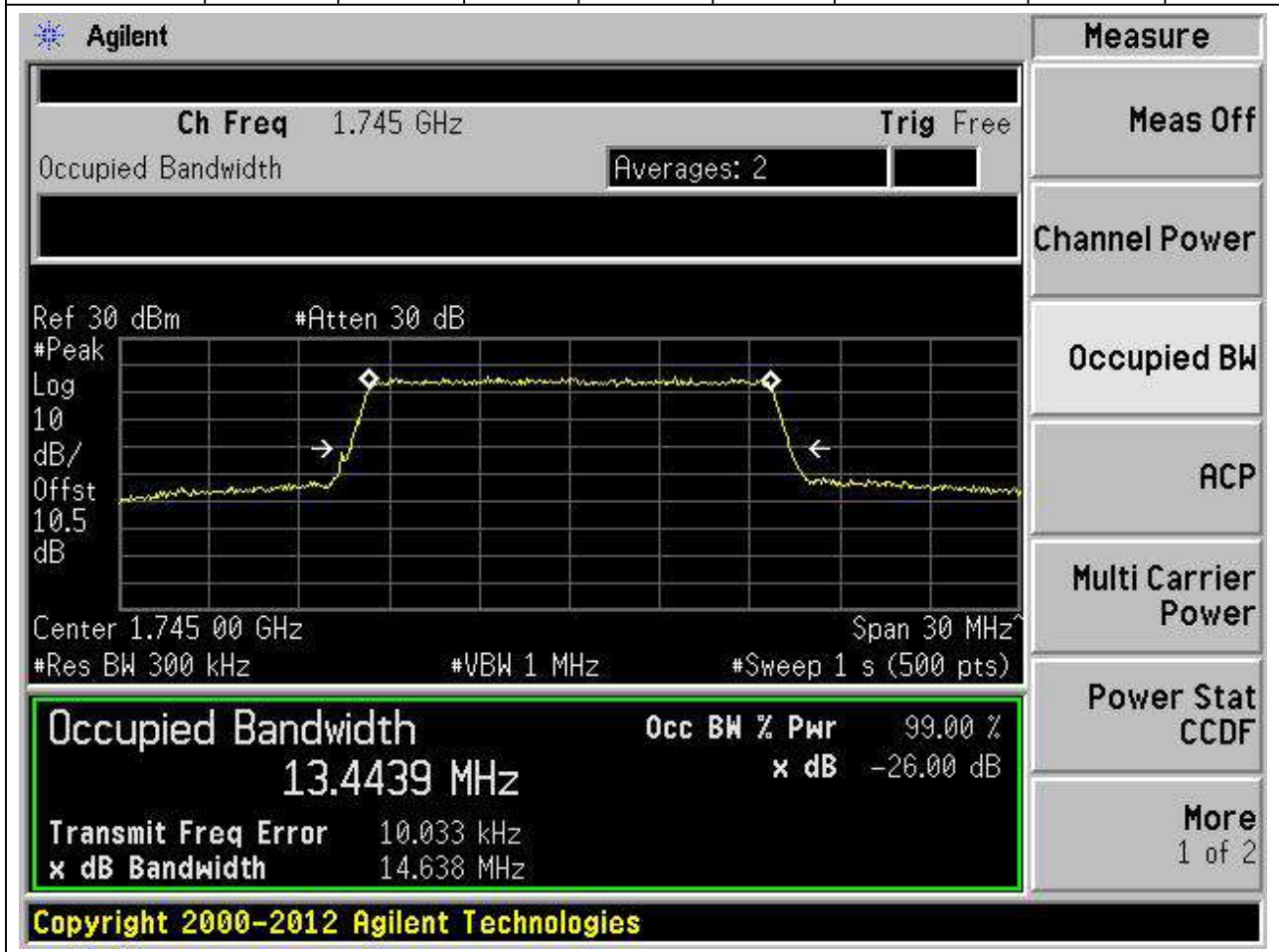
**17.27. LTE Occupied Bandwidth(NTNV)(Subtest:27, Channel:132322, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

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	13.4	14.682	15	Pass



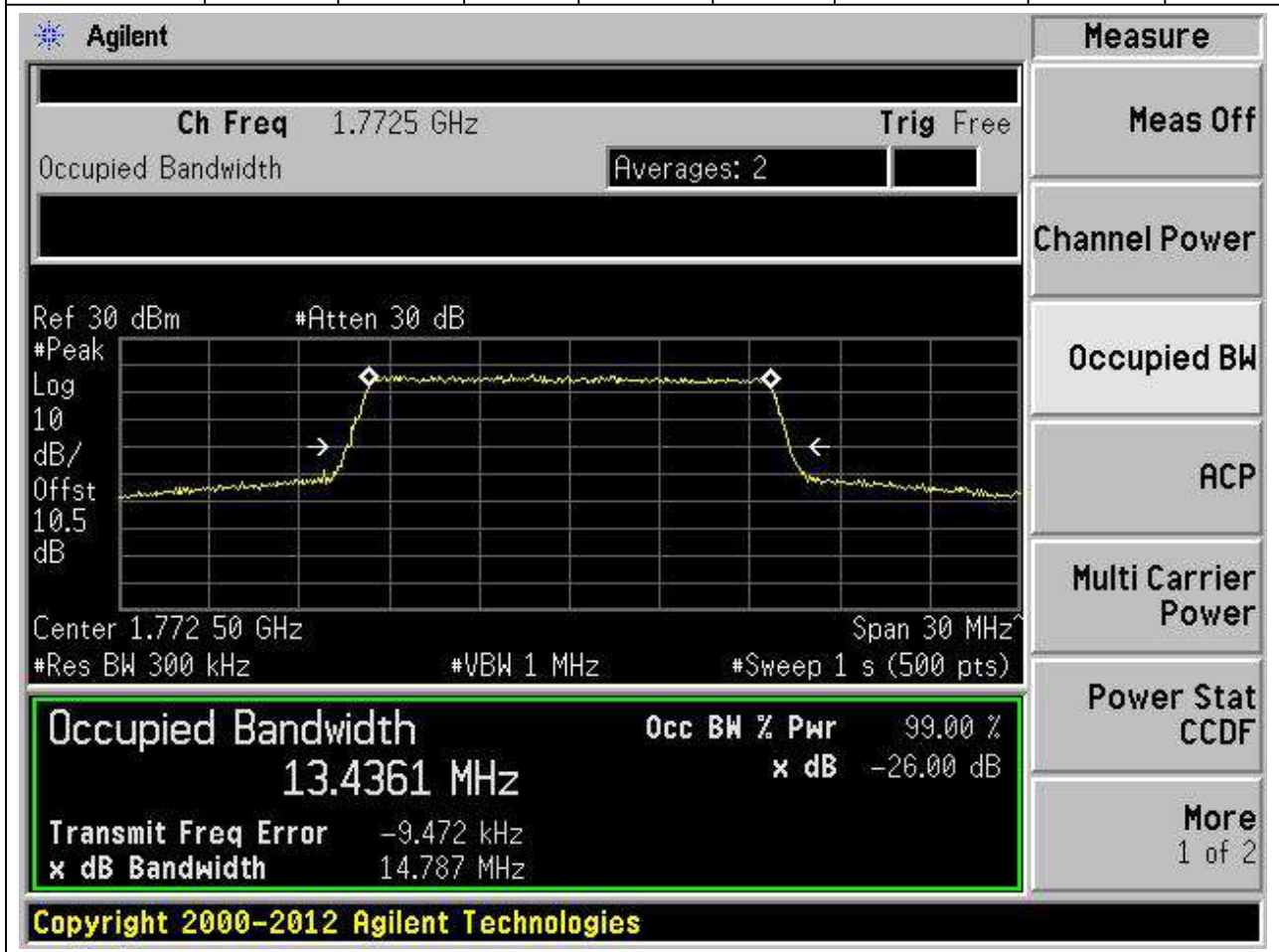
**17.28. LTE Occupied Bandwidth(NTNV)(Subtest:28, Channel:132322, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

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	13.444	14.638	15	Pass



**17.29. LTE Occupied Bandwidth(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	13.436	14.787	15	Pass





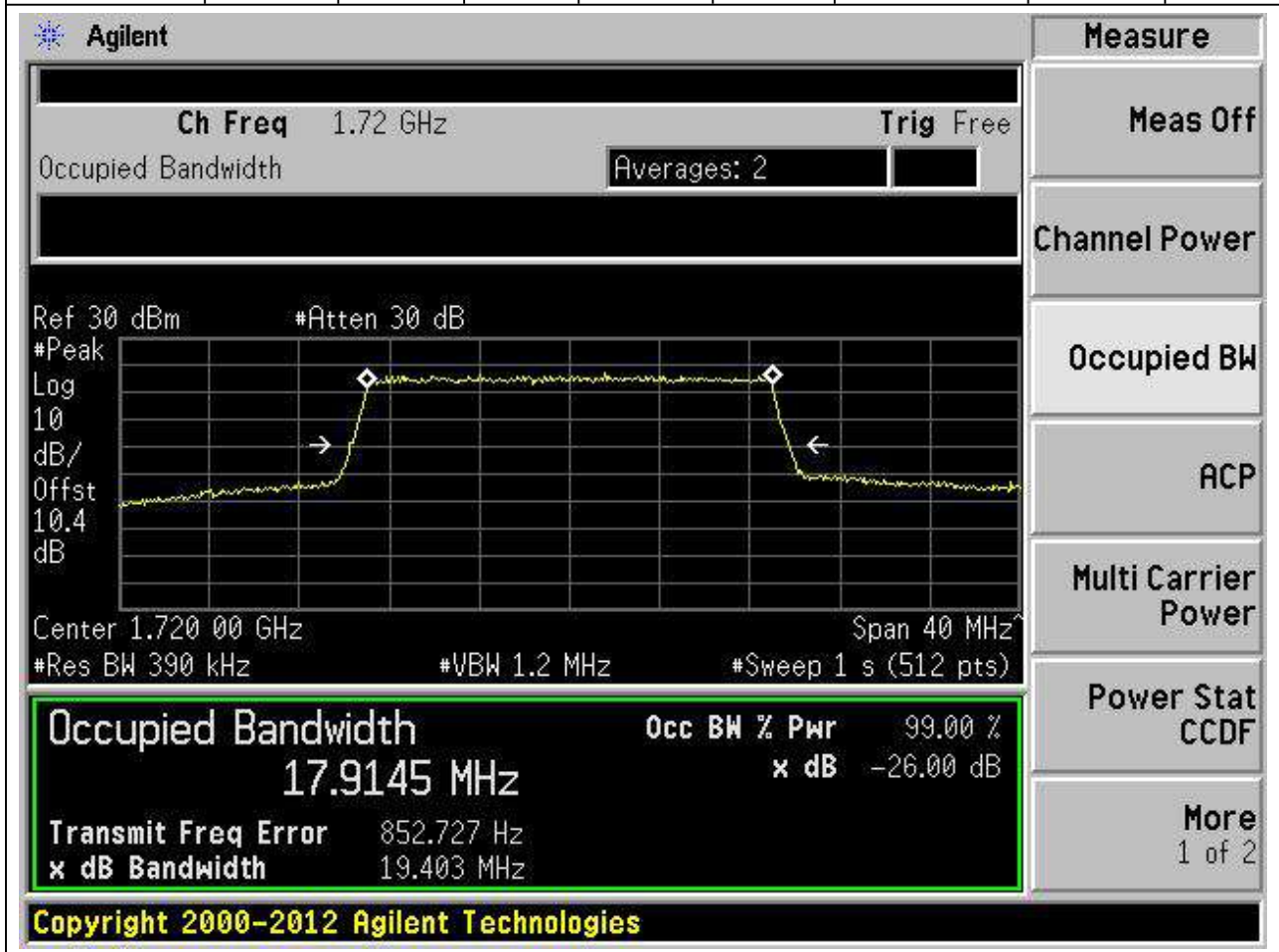
**17.30. LTE Occupied Bandwidth(NTNV)(Subtest:30, Channel:132597, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

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	13.468	15.746	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7725 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 '10.5 dB'. The plot shows a signal with a peak at approximately 1.7725 GHz. Below the plot, the following parameters are displayed: 'Center 1.772 50 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 13.4684 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -8.451 kHz', and 'x dB Bandwidth 15.746 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'.

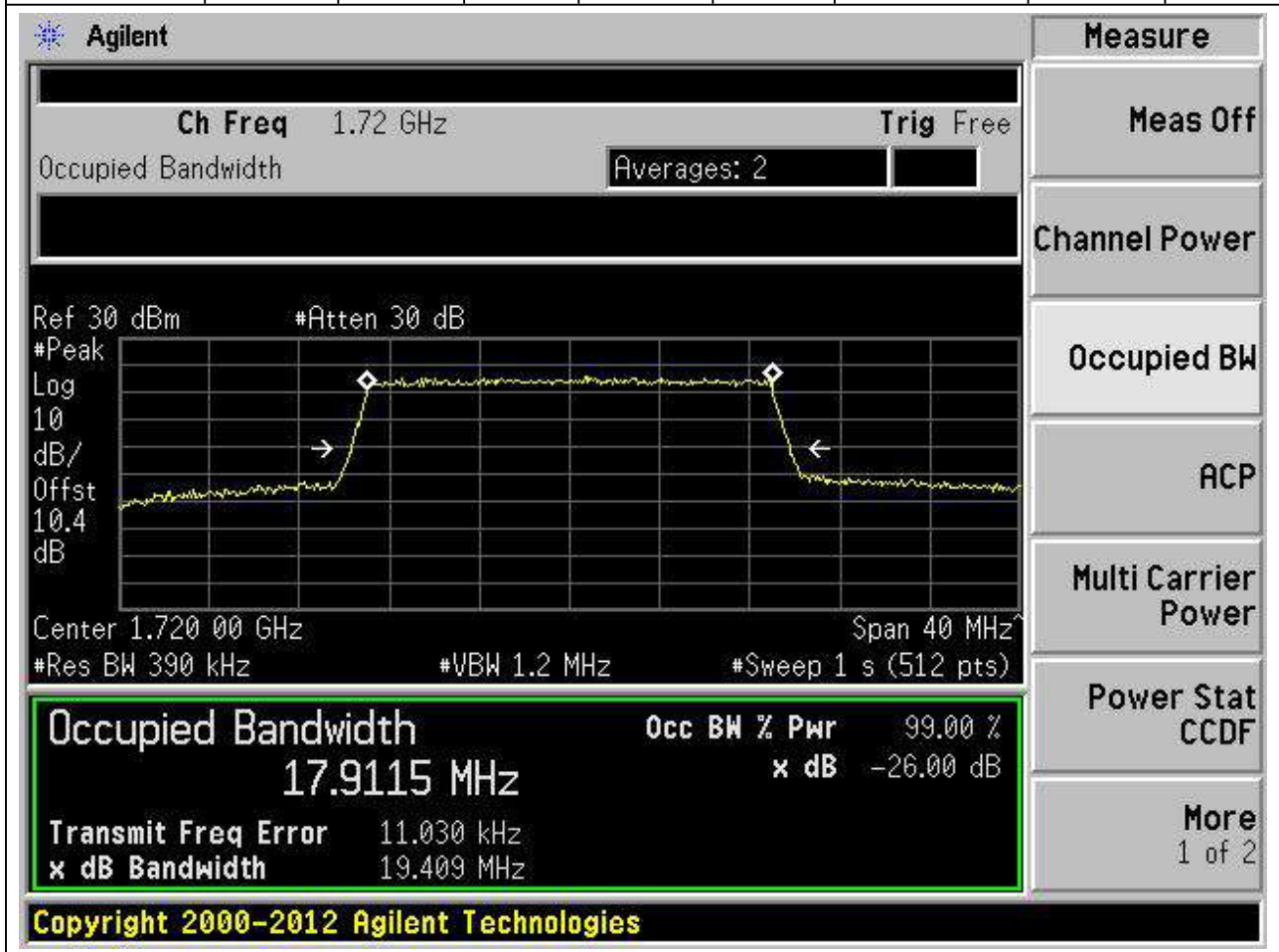
**17.31. LTE Occupied Bandwidth(NTNV)(Subtest:31, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.915	19.403	20	Pass



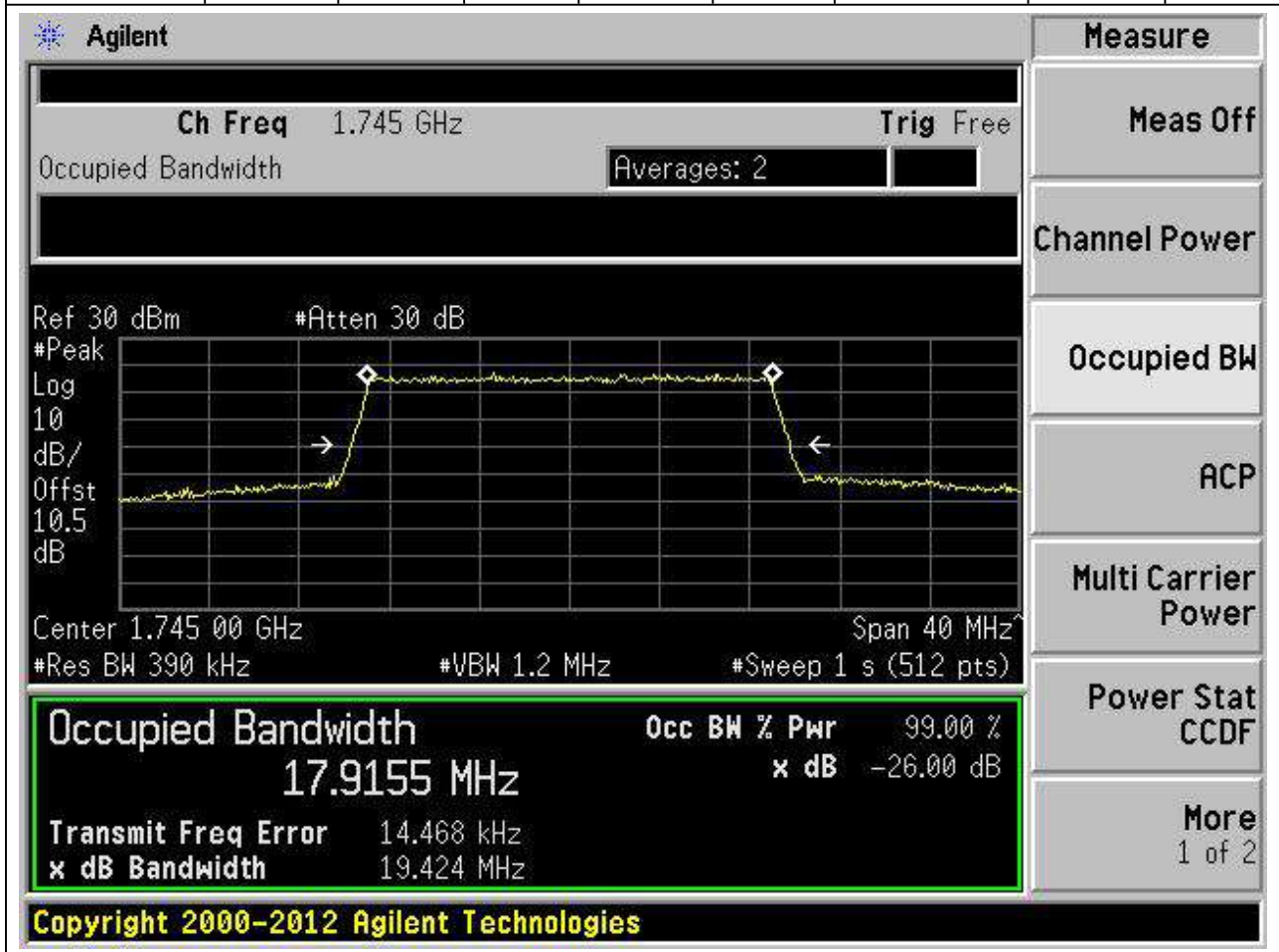
**17.32. LTE Occupied Bandwidth(NTNV)(Subtest:32, Channel:132072, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

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	17.912	19.409	20	Pass



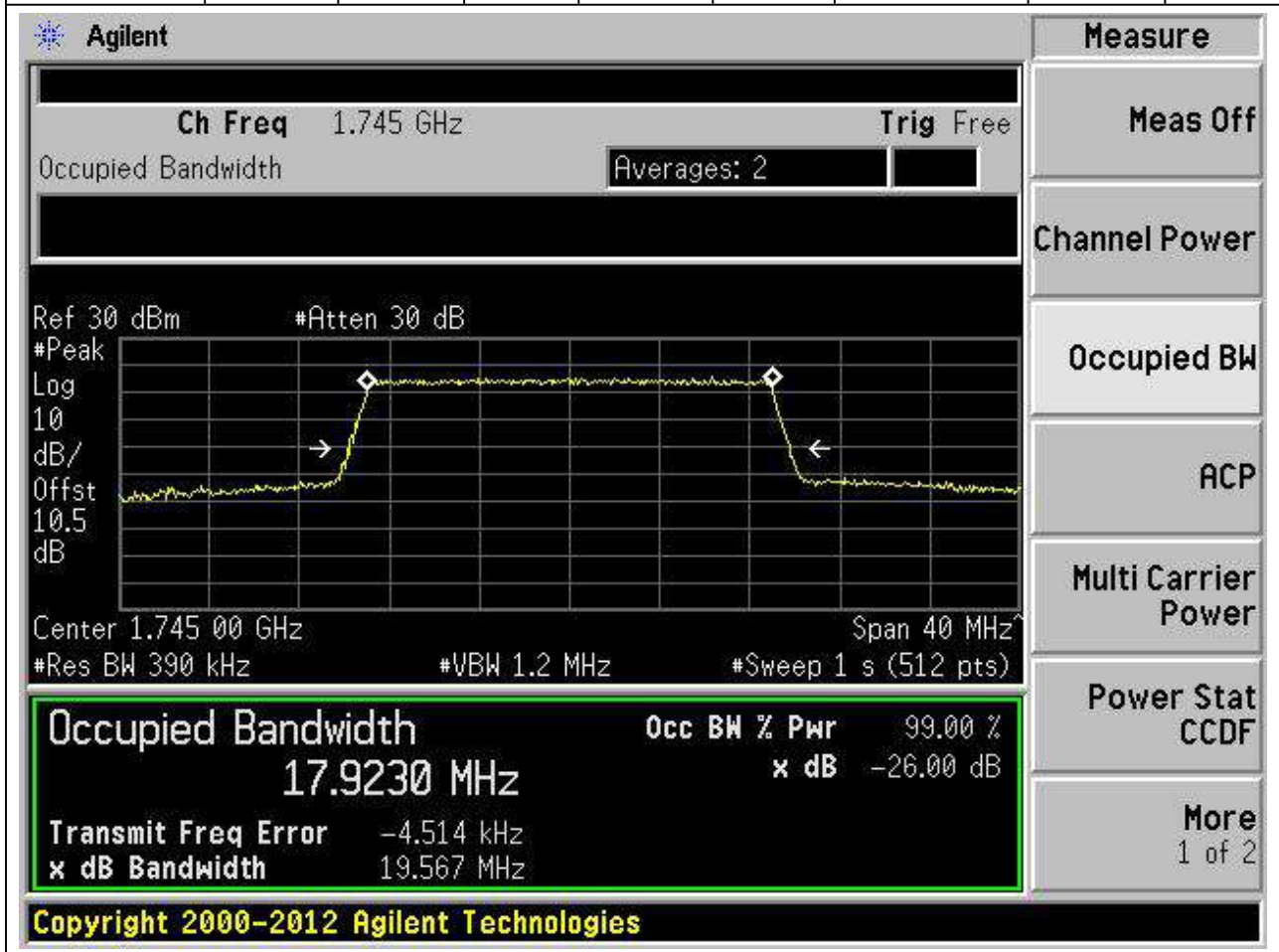
**17.33. LTE Occupied Bandwidth(NTNV)(Subtest:33, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.915	19.424	20	Pass



**17.34. LTE Occupied Bandwidth(NTNV)(Subtest:34, Channel:132322, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

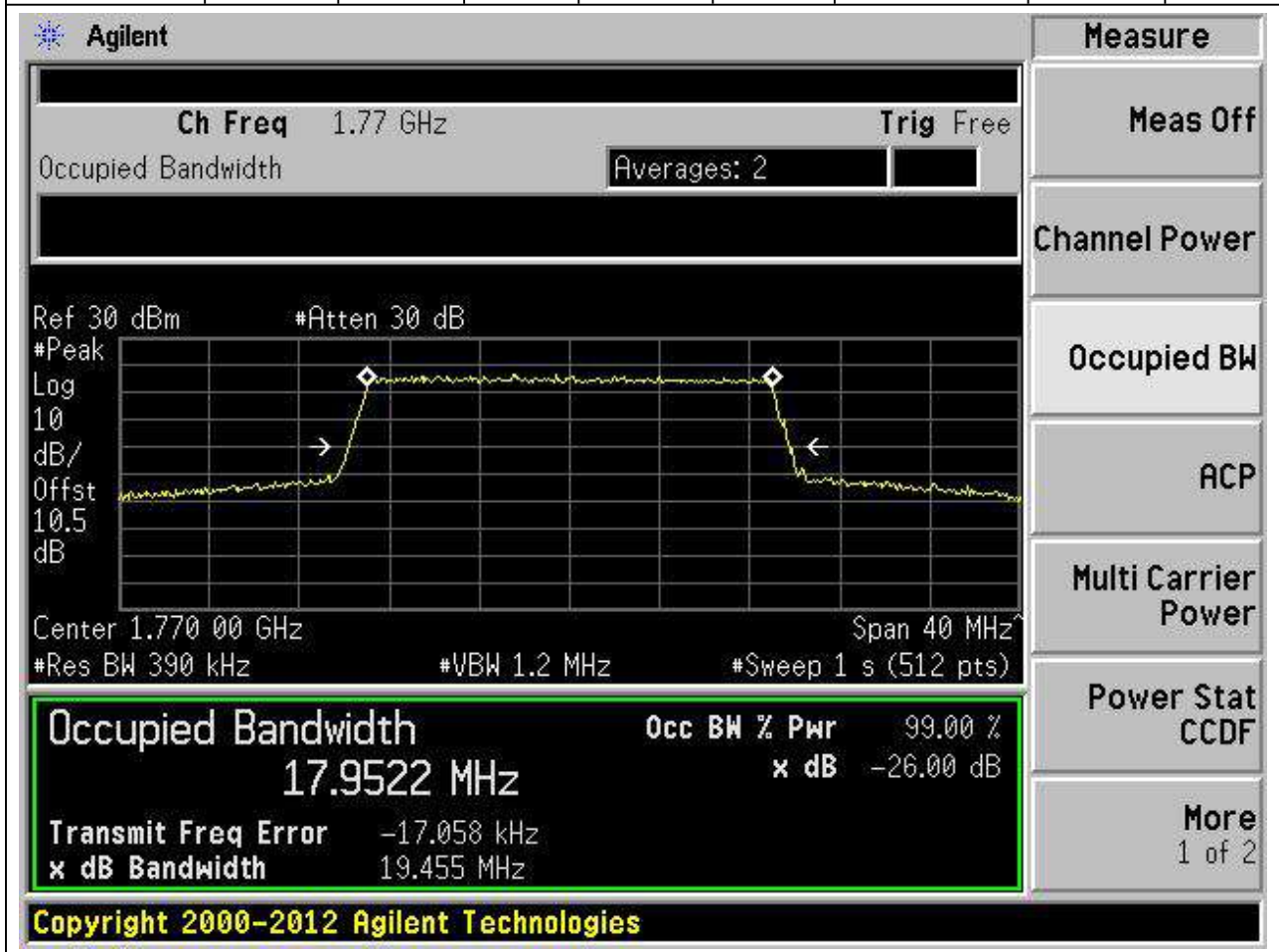
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.923	19.567	20	Pass





**17.35. LTE Occupied Bandwidth(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	17.952	19.455	20	Pass



**17.36. LTE Occupied Bandwidth(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	17.913	19.444	20	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 1.77 GHz. The plot parameters are: Center 1.770 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 1 s (512 pts). The plot shows a signal with a peak at 17.9134 MHz and a bandwidth of 19.444 MHz. The signal is measured at 99.00% power with a -26.00 dB offset. The plot also shows a transmit frequency error of -1.529 kHz. The plot is titled "Occupied Bandwidth" and shows a signal centered at 1.77 GHz. The plot parameters are: Center 1.770 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 1 s (512 pts). The plot shows a signal with a peak at 17.9134 MHz and a bandwidth of 19.444 MHz. The signal is measured at 99.00% power with a -26.00 dB offset. The plot also shows a transmit frequency error of -1.529 kHz.

**Occupied Bandwidth** 17.9134 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

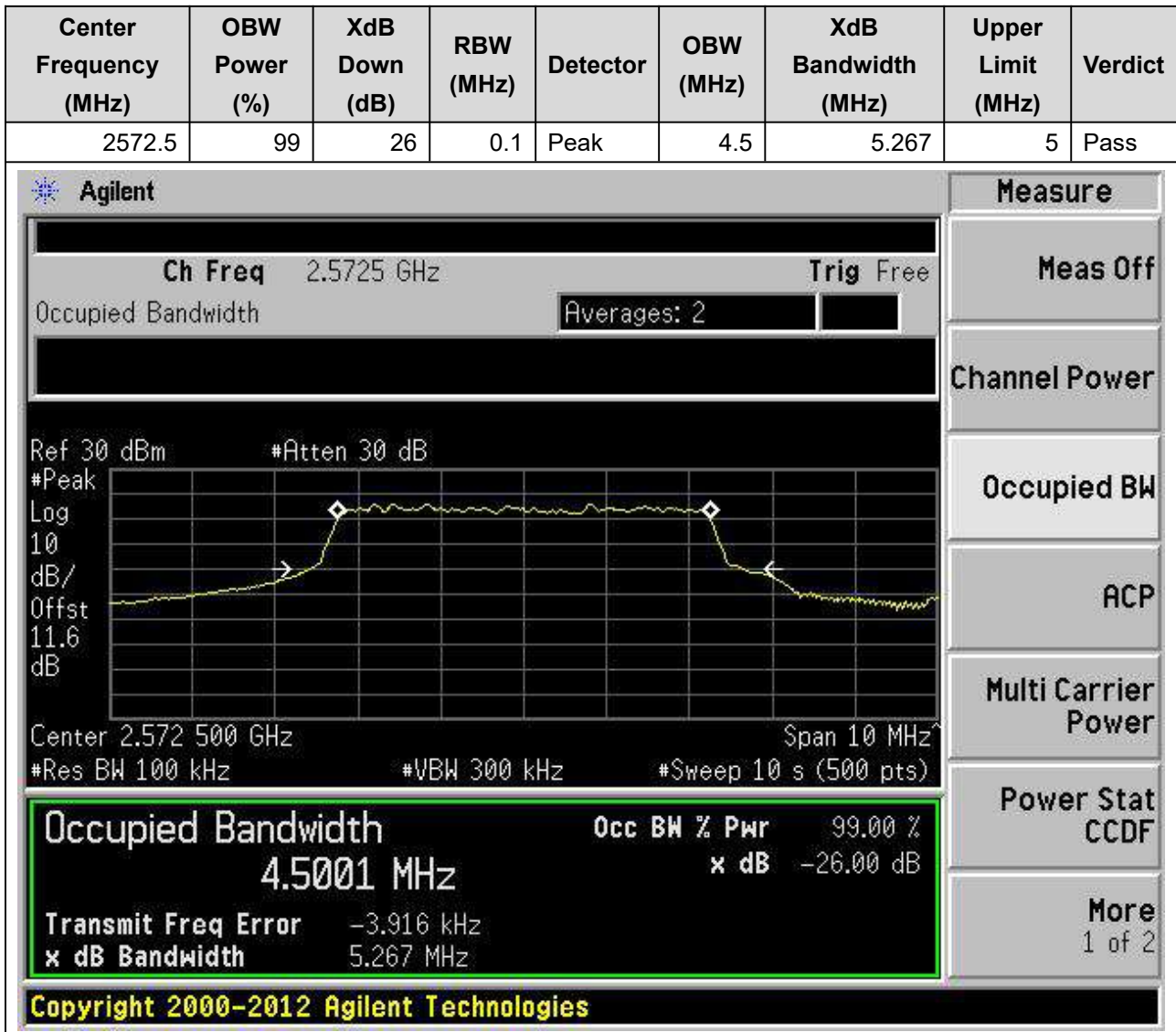
**Transmit Freq Error** -1.529 kHz

**x dB Bandwidth** 19.444 MHz

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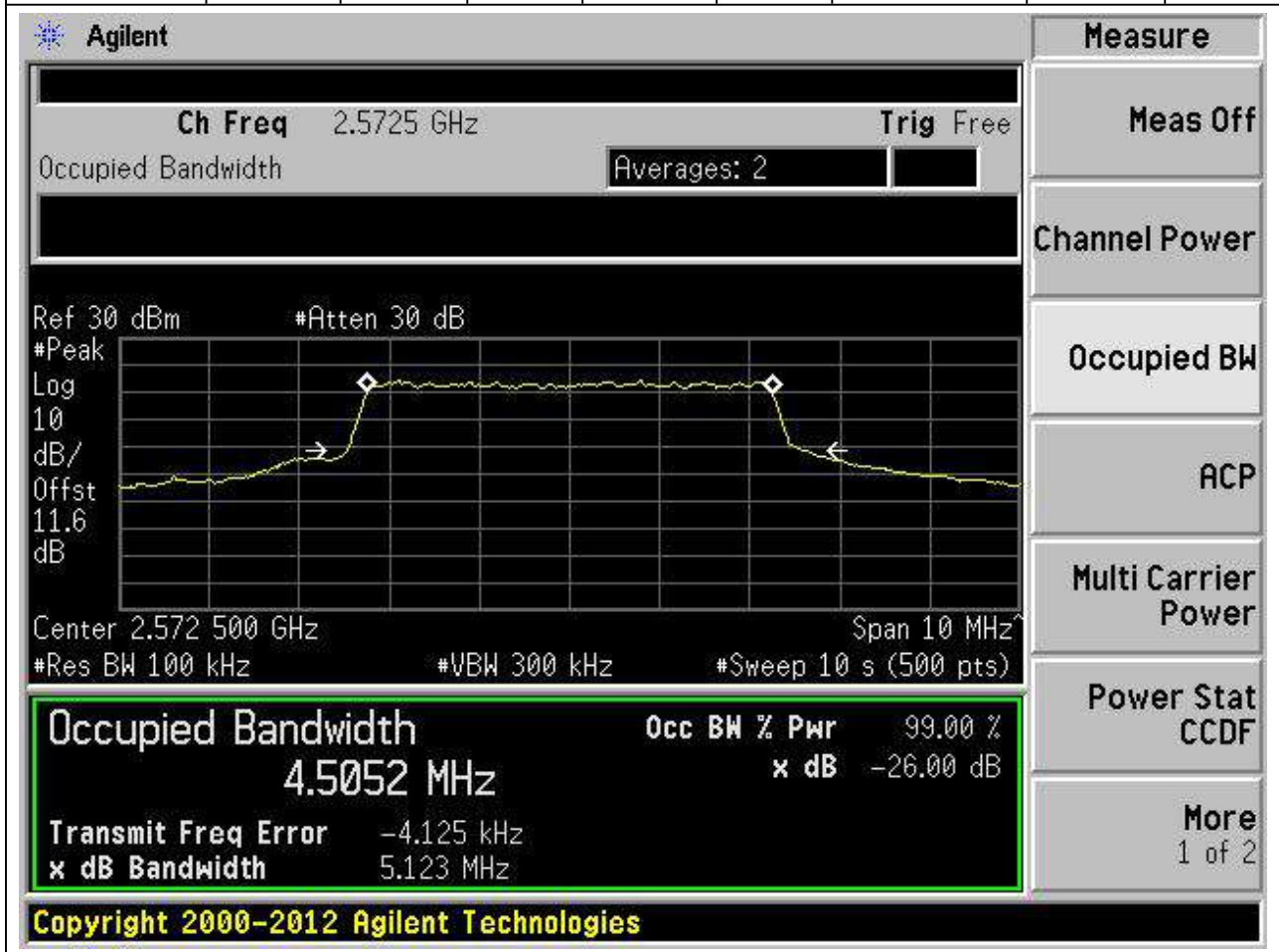
## 18. LTE\_Band38

### 18.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:37775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



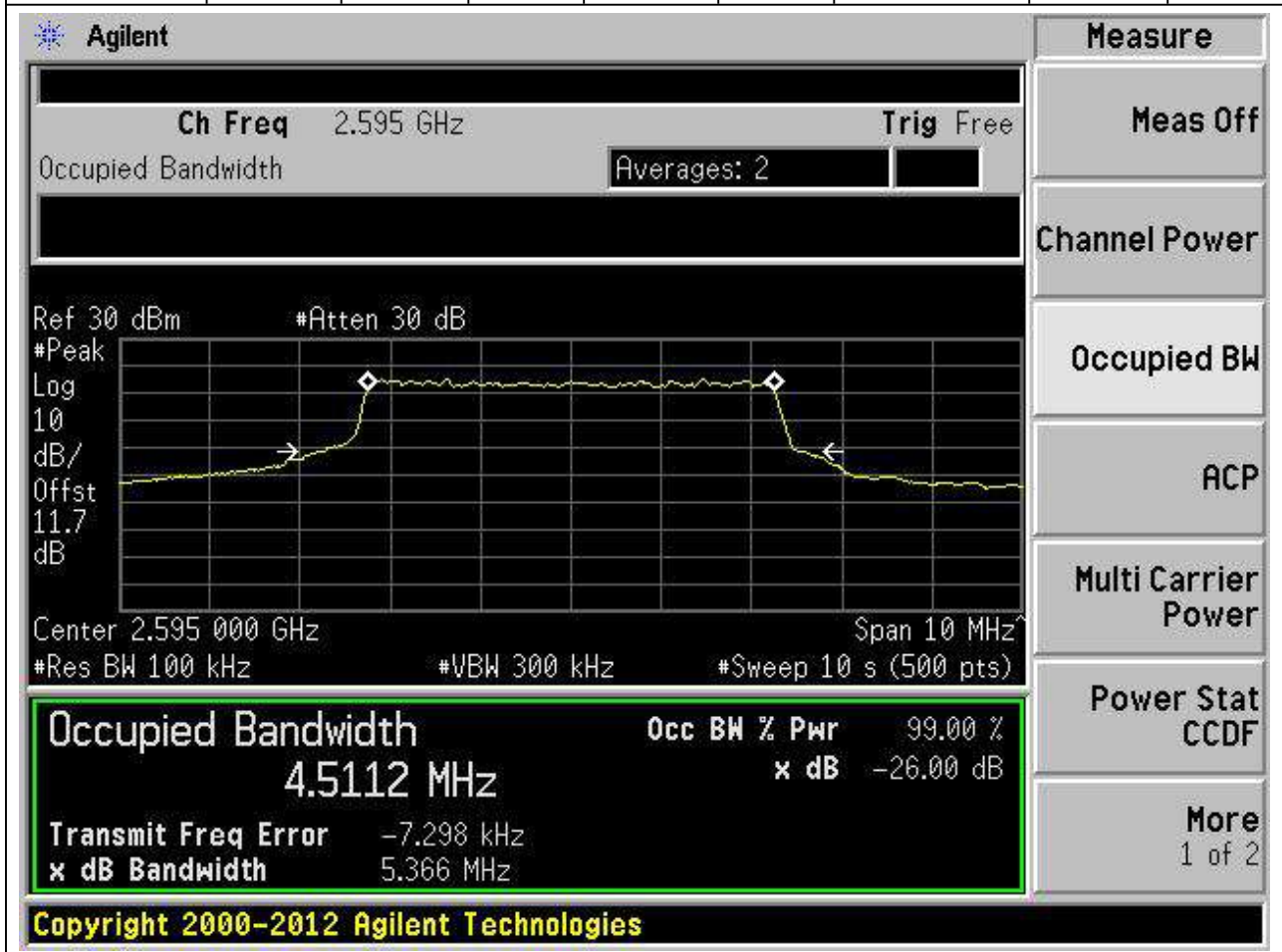
**18.2. LTE Occupied Bandwidth(NTNV)(Subtest:2, Channel:37775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

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	4.505	5.123	5	Pass



**18.3. LTE Occupied Bandwidth(NTNV)(Subtest:3, Channel:38000, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

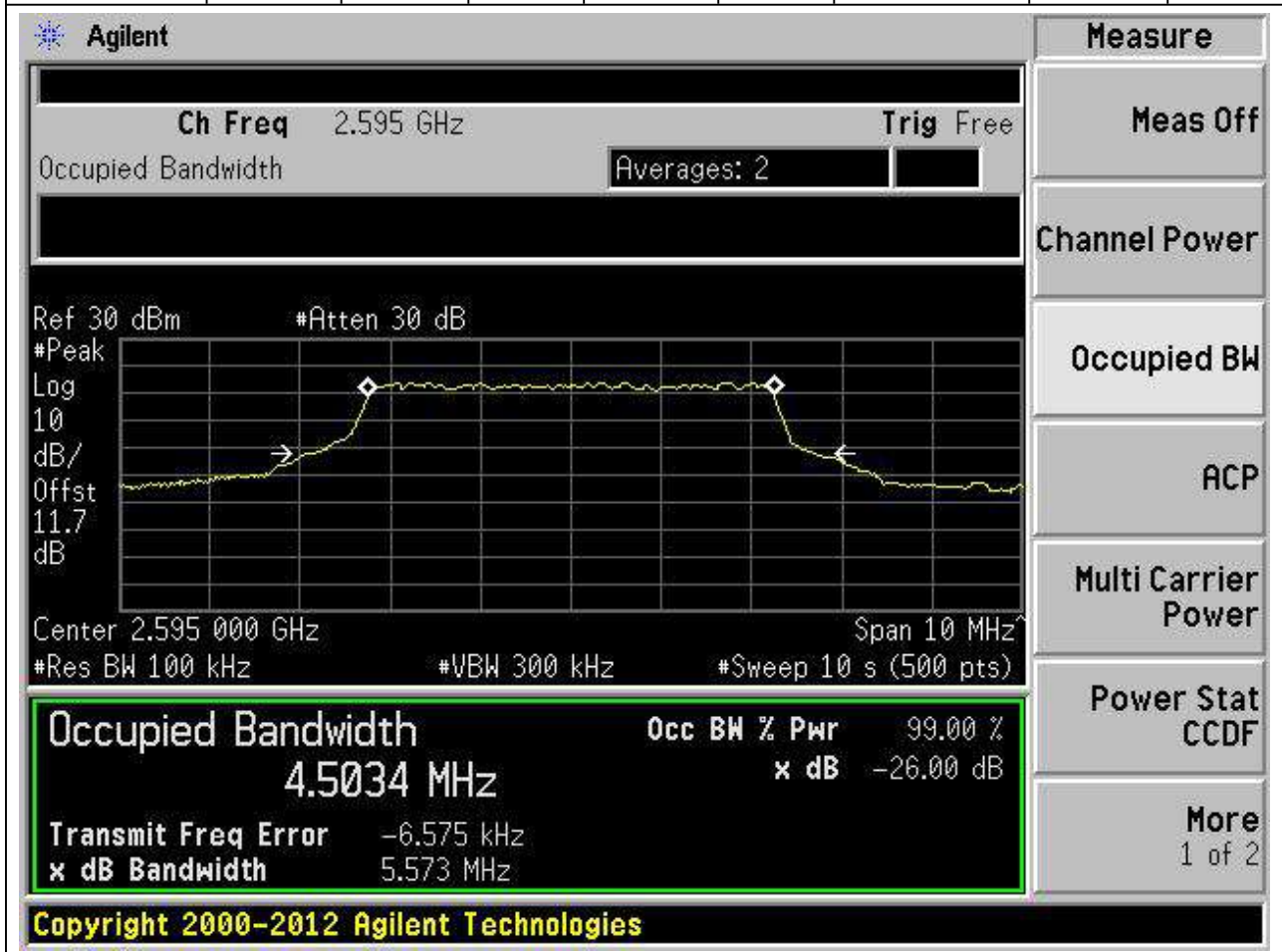
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.511	5.366	5	Pass





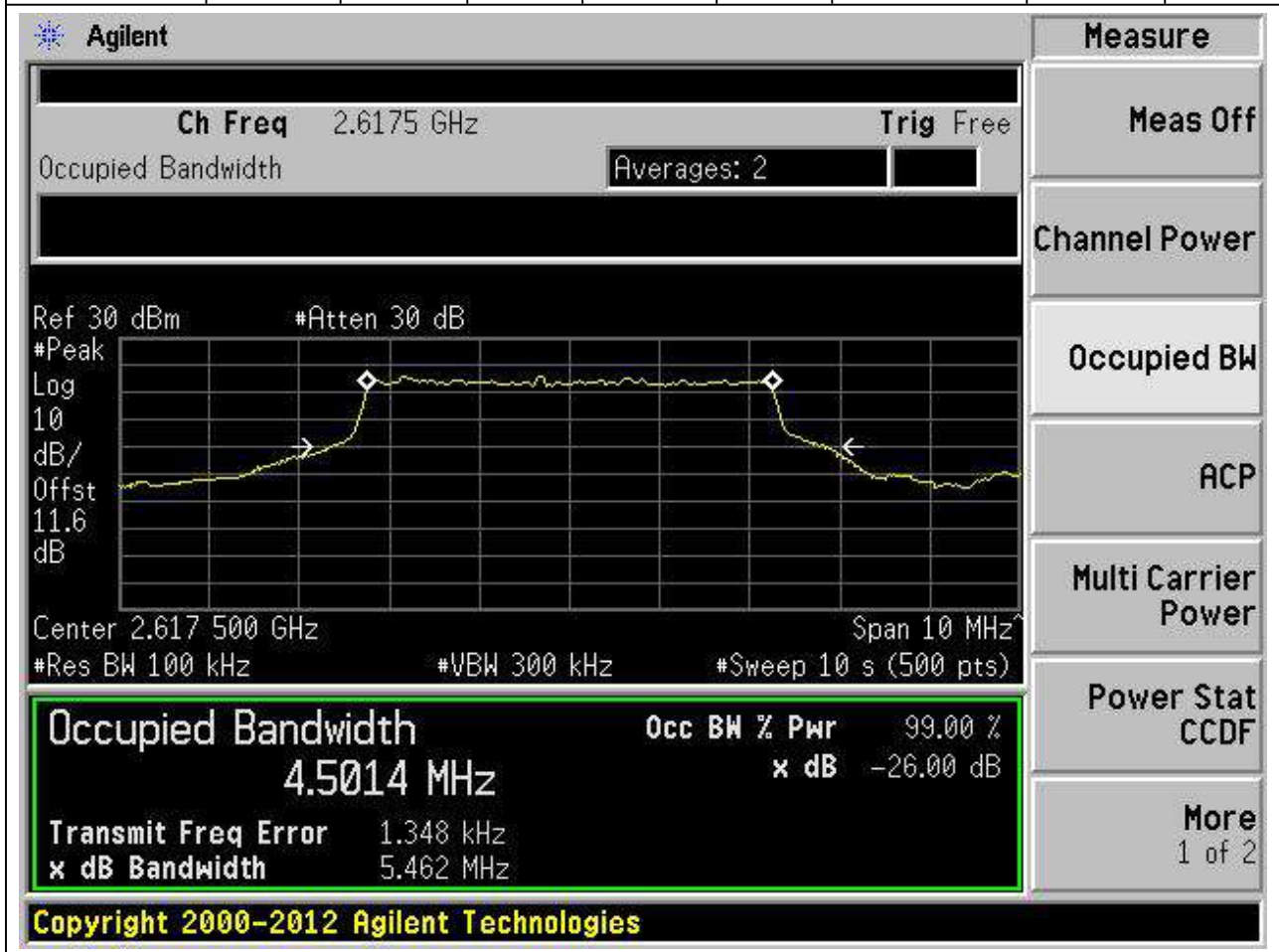
**18.4. LTE Occupied Bandwidth(NTNV)(Subtest:4, Channel:38000, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

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	4.503	5.573	5	Pass



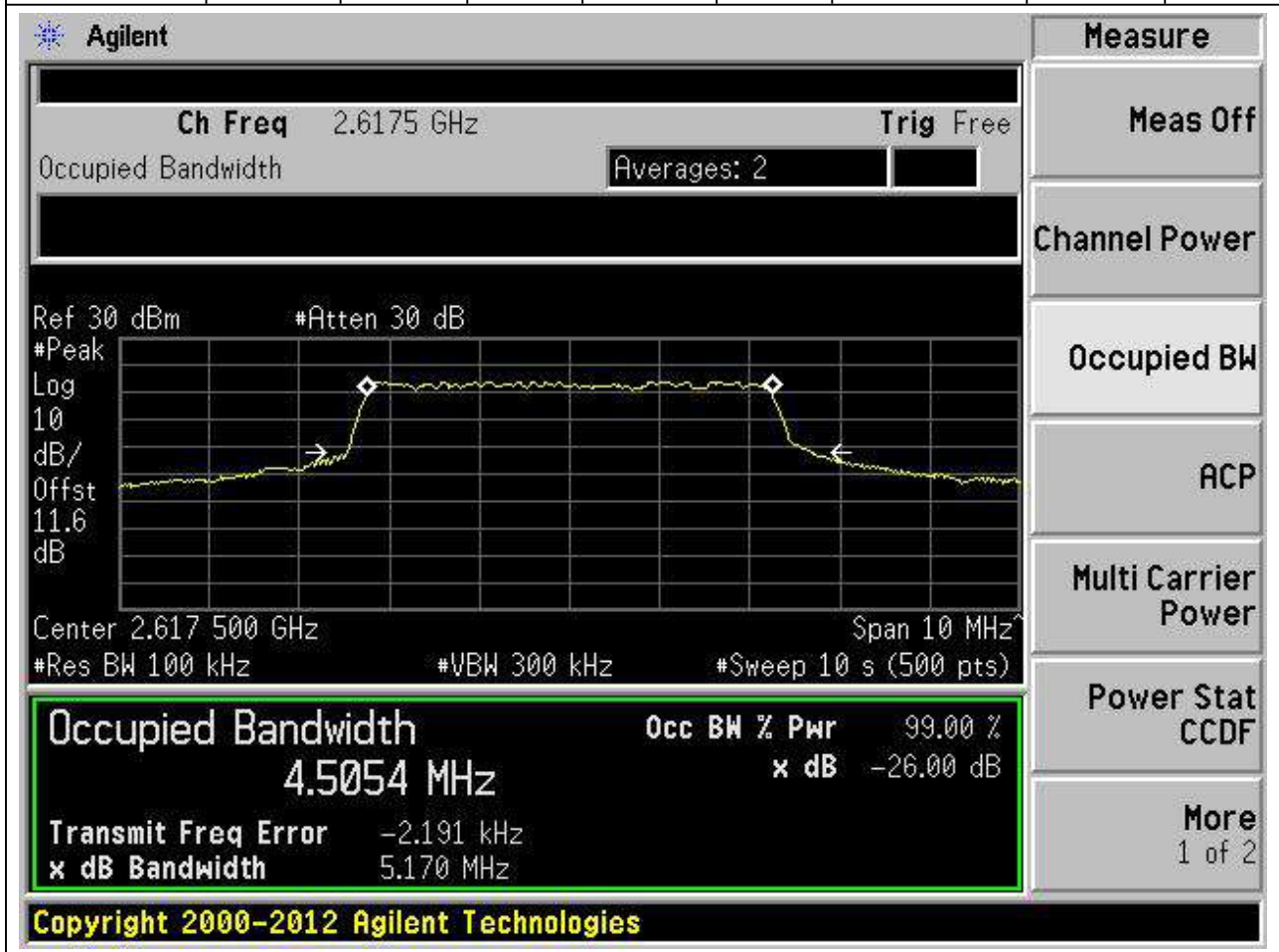
**18.5. LTE Occupied Bandwidth(NTNV)(Subtest:5, Channel:38225, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

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	4.501	5.462	5	Pass



**18.6. LTE Occupied Bandwidth(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	4.505	5.17	5	Pass



**18.7. LTE Occupied Bandwidth(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	8.991	10.445	10	Pass

Agilent
Measure

Ch Freq 2.575 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.575 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

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

**8.9910 MHz** x dB -26.00 dB

Transmit Freq Error 13.202 kHz

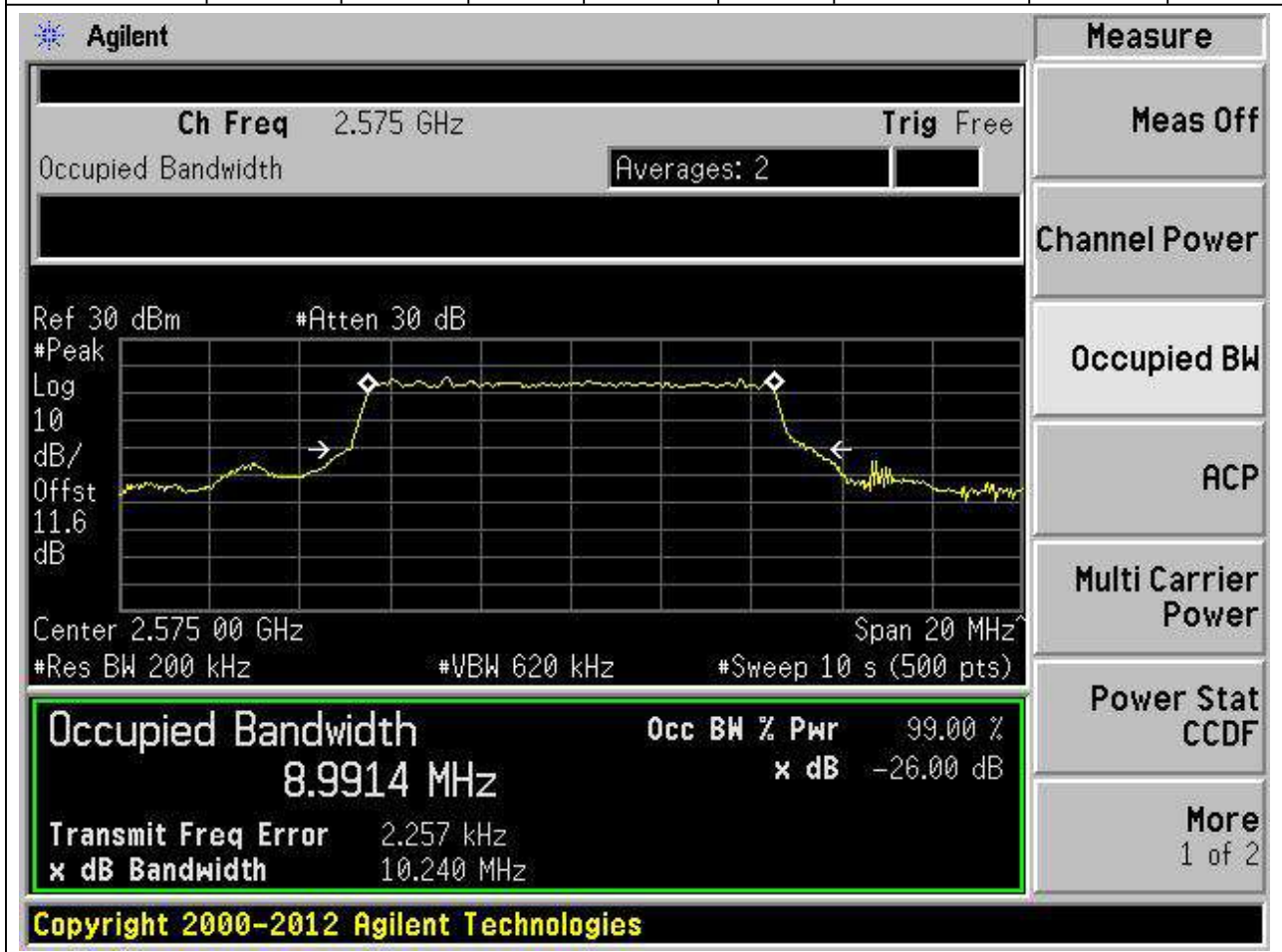
x dB Bandwidth 10.445 MHz

More  
1 of 2

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**18.8. LTE Occupied Bandwidth(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	8.991	10.24	10	Pass





**18.9. LTE Occupied Bandwidth(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	9.007	10.912	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 2.595 GHz. The y-axis is labeled 'dB/Offst' and the x-axis is labeled 'Span 20 MHz'. The plot shows a signal with a peak at approximately 2.595 GHz and a bandwidth of 10.912 MHz. The signal level is 99.00% and the XdB down is -26.00 dB. The plot also shows the reference level (Ref 30 dBm) and attenuation (#Atten 30 dB). The plot is titled 'Occupied Bandwidth' and shows a signal centered at 2.595 GHz. The y-axis is labeled 'dB/Offst' and the x-axis is labeled 'Span 20 MHz'. The plot shows a signal with a peak at approximately 2.595 GHz and a bandwidth of 10.912 MHz. The signal level is 99.00% and the XdB down is -26.00 dB. The plot also shows the reference level (Ref 30 dBm) and attenuation (#Atten 30 dB).

**Measure**

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

**Occupied Bandwidth** 9.0075 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** 3.307 kHz

**x dB Bandwidth** 10.912 MHz

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**18.10. LTE Occupied Bandwidth(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	8.953	9.78	10	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', 'Log', '10 dB/Offst', and '11.7 dB'. The plot shows a signal with a peak at approximately 2.595 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9533 MHz. Other parameters shown include 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -6.969 kHz', and 'x dB Bandwidth 9.780 MHz'. The bottom of the screen displays 'Copyright 2000-2012 Agilent Technologies'.

**18.11. LTE Occupied Bandwidth(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	9.021	10.877	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.615 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 11.6 dB'. The x-axis shows 'Center 2.615 00 GHz' and 'Span 20 MHz'. Below the plot, the following parameters are listed: '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 10 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results:

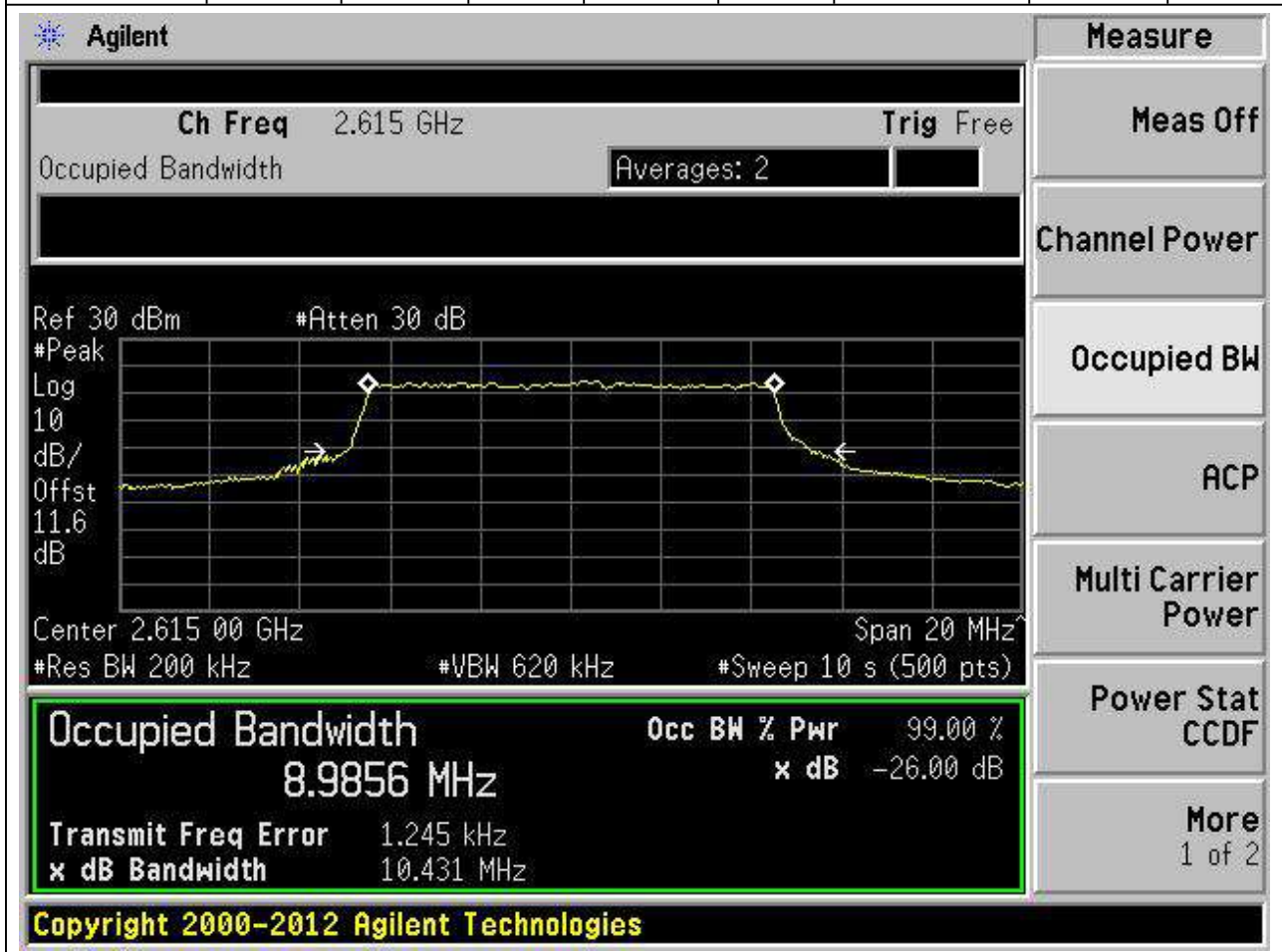
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.0207 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-14.026 kHz
<b>x dB Bandwidth</b>		10.877 MHz

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'. The 'Occupied BW' option is currently selected.

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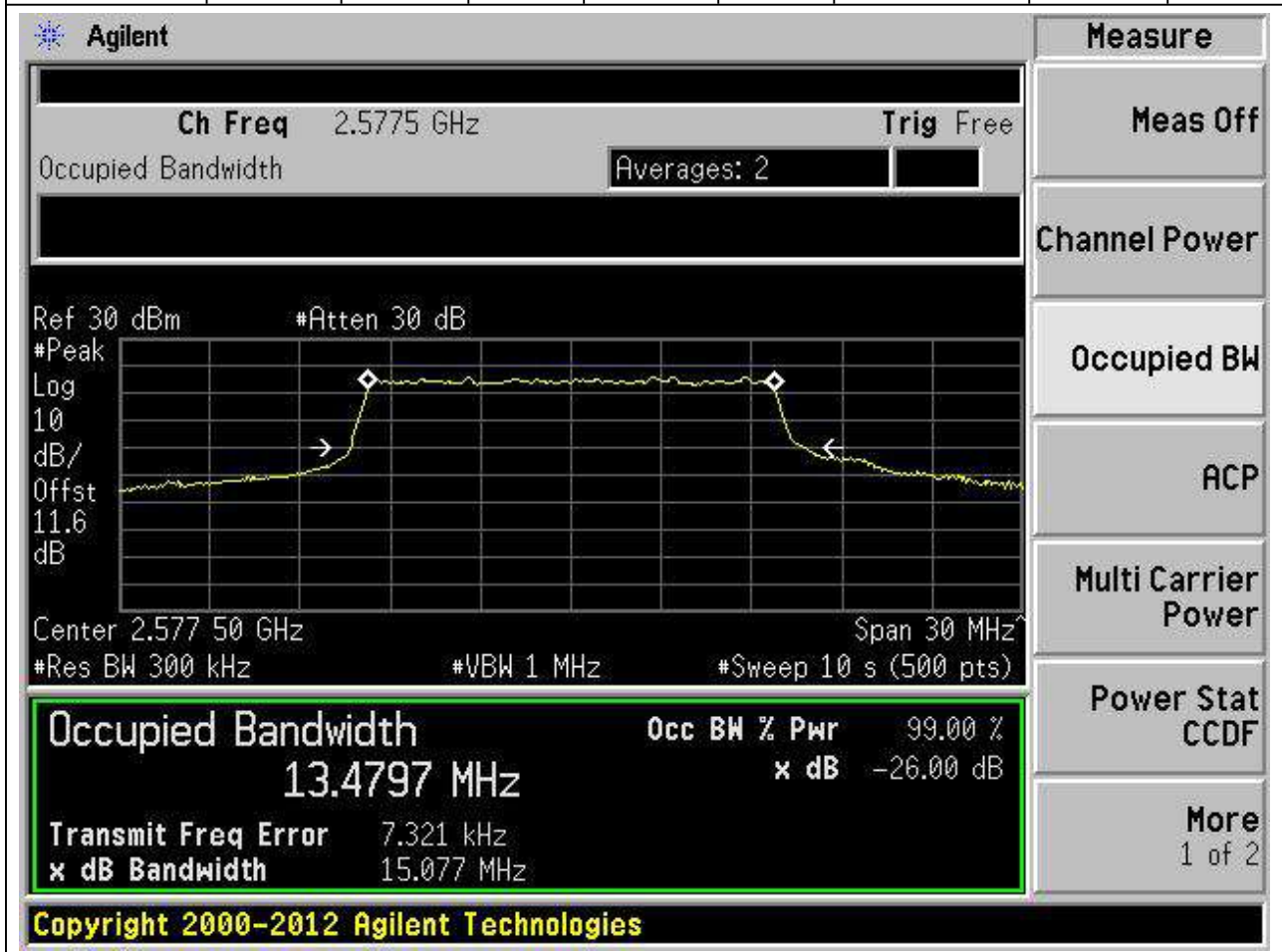
**18.12. LTE Occupied Bandwidth(NTNV)(Subtest:12, Channel:38200, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	8.986	10.431	10	Pass



**18.13. LTE Occupied Bandwidth(NTNV)(Subtest:13, Channel:37825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

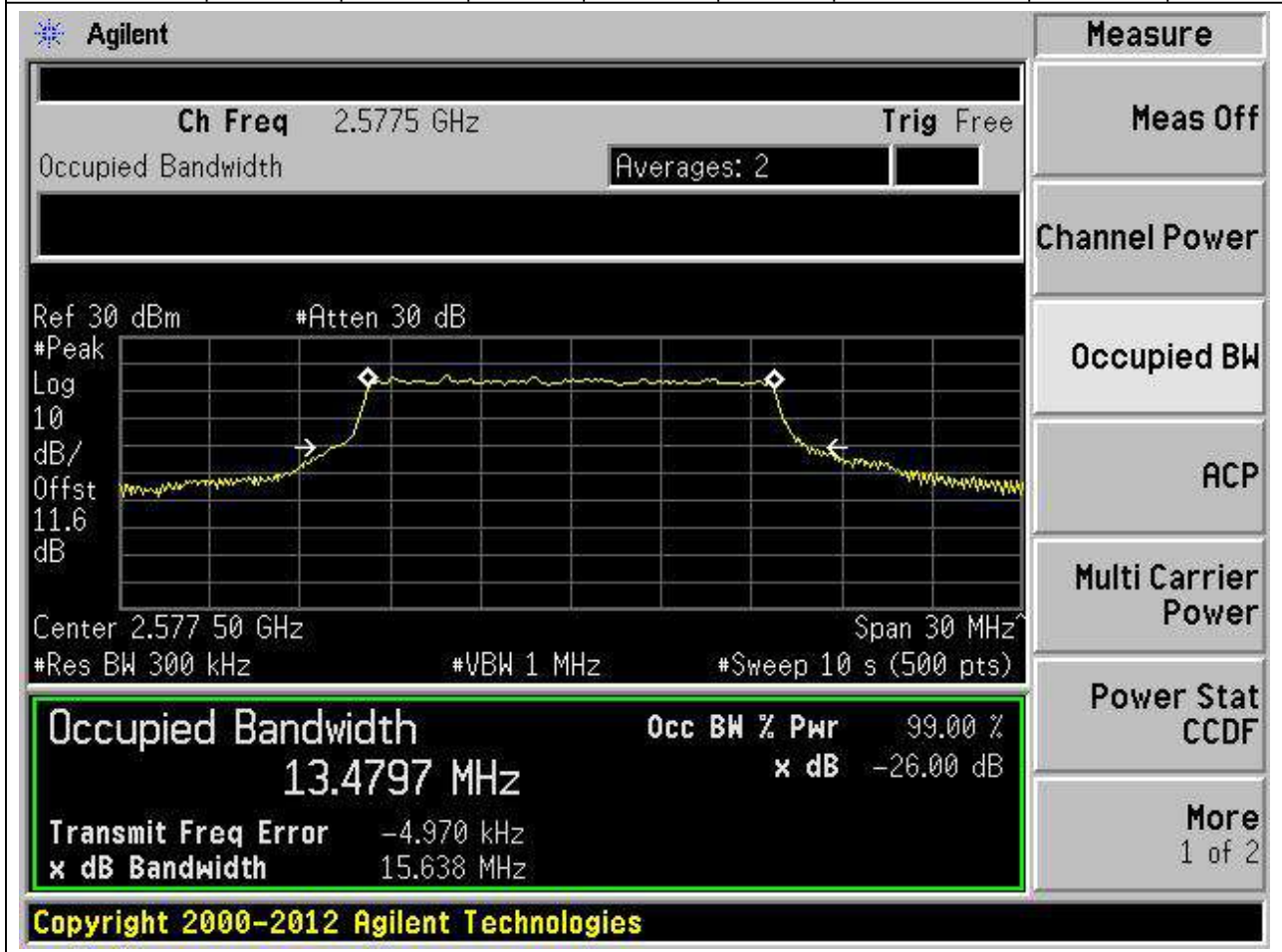
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.48	15.077	15	Pass





**18.14. LTE Occupied Bandwidth(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	13.48	15.638	15	Pass



**18.15. LTE Occupied Bandwidth(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	13.472	16.763	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.595 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (500 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

13.4718 MHz

Transmit Freq Error -5.696 kHz

x dB Bandwidth 16.763 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**18.16. LTE Occupied Bandwidth(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	13.528	15.734	15	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', 'Log', '10 dB/Offst', and '11.7 dB'. The plot shows a signal with a peak at approximately 2.595 GHz. Below the plot, the following parameters are displayed: 'Center 2.595 00 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 10 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 13.5276 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -8.327 kHz', and 'x dB Bandwidth 15.734 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.

**18.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:38175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

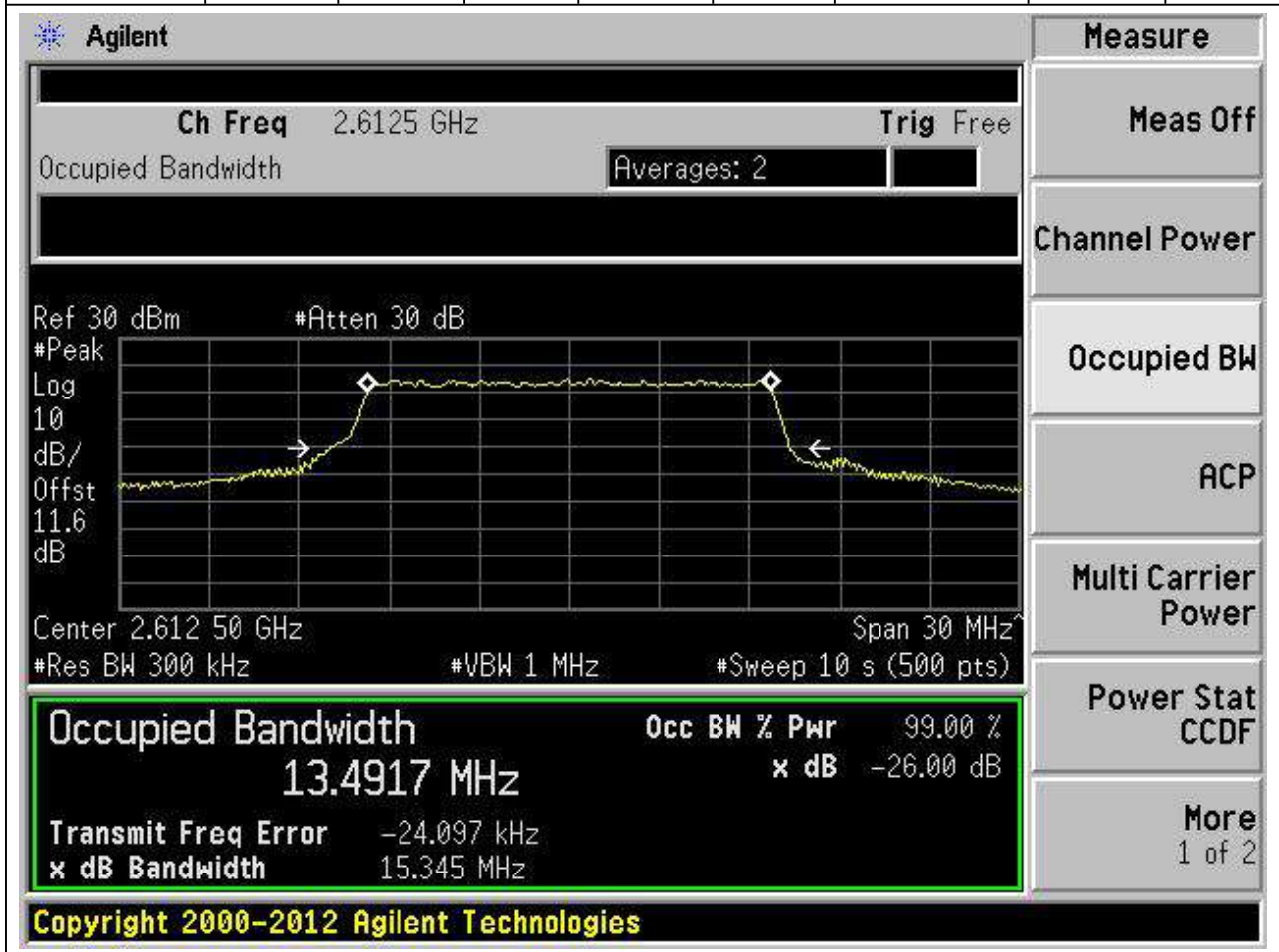
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.482	16.142	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.6125 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 300 kHz and a video bandwidth of 1 MHz. The center frequency is 2.6125 GHz and the span is 30 MHz. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4824 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 298.301 Hz and the 'x dB Bandwidth' is 16.142 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4824 MHz	99.00 %	-26.00 dB

**18.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:38175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

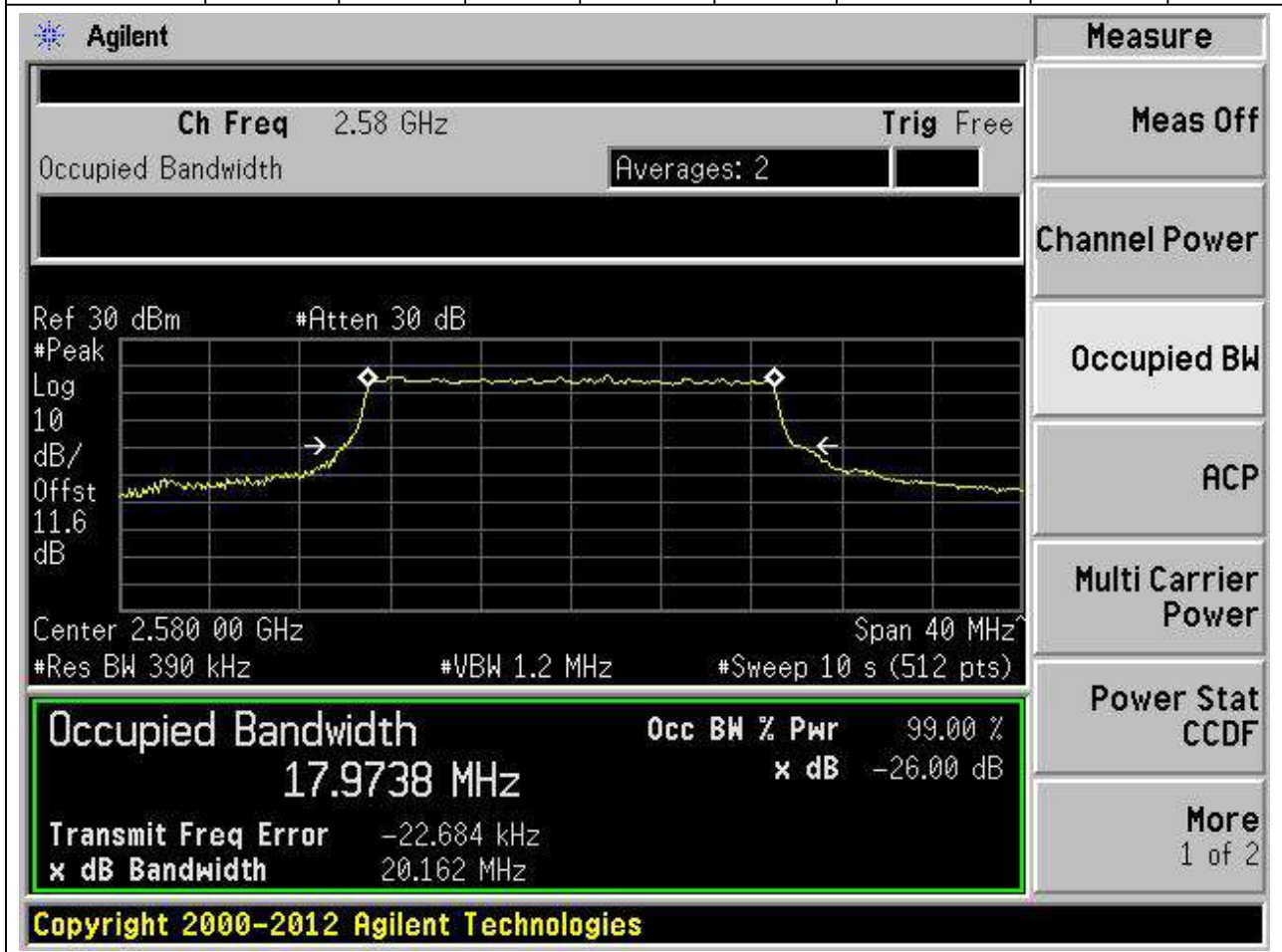
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.492	15.345	15	Pass





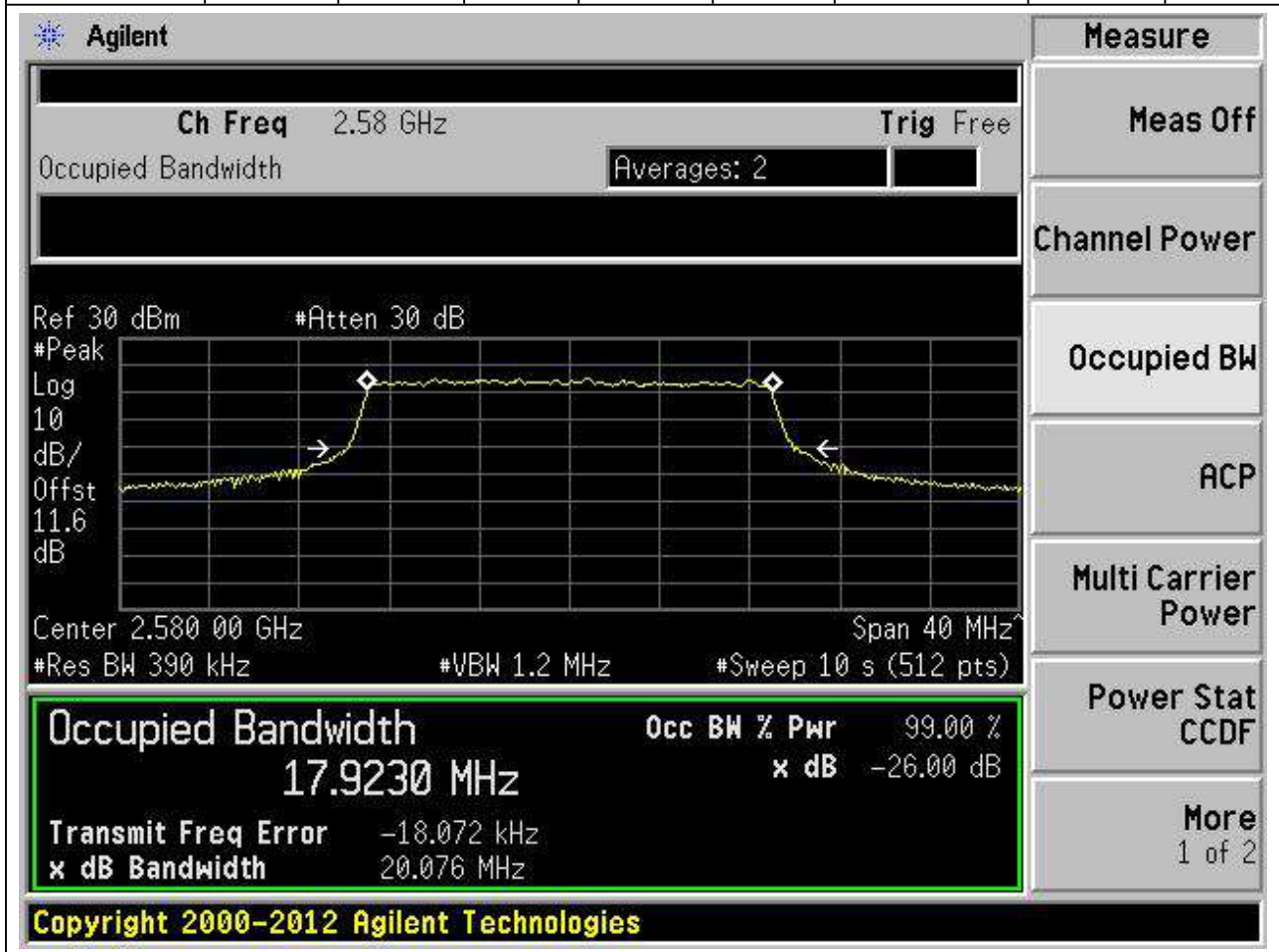
**18.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.974	20.162	20	Pass



**18.20. LTE Occupied Bandwidth(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	17.923	20.076	20	Pass



**18.21. LTE Occupied Bandwidth(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	17.933	20.047	20	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', 'Log', '10 dB/Offst', and '11.7 dB'. The plot shows a signal with a peak at approximately 2.595 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9328 MHz. Other parameters shown include 'Center 2.595 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 10 s (512 pts)'. The 'Occupied Bandwidth' summary table is as follows:

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9328 MHz	99.00 %	-26.00 dB
Transmit Freq Error	-6.539 kHz	
x dB Bandwidth	20.047 MHz	

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

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**18.22. LTE Occupied Bandwidth(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	17.991	22.053	20	Pass

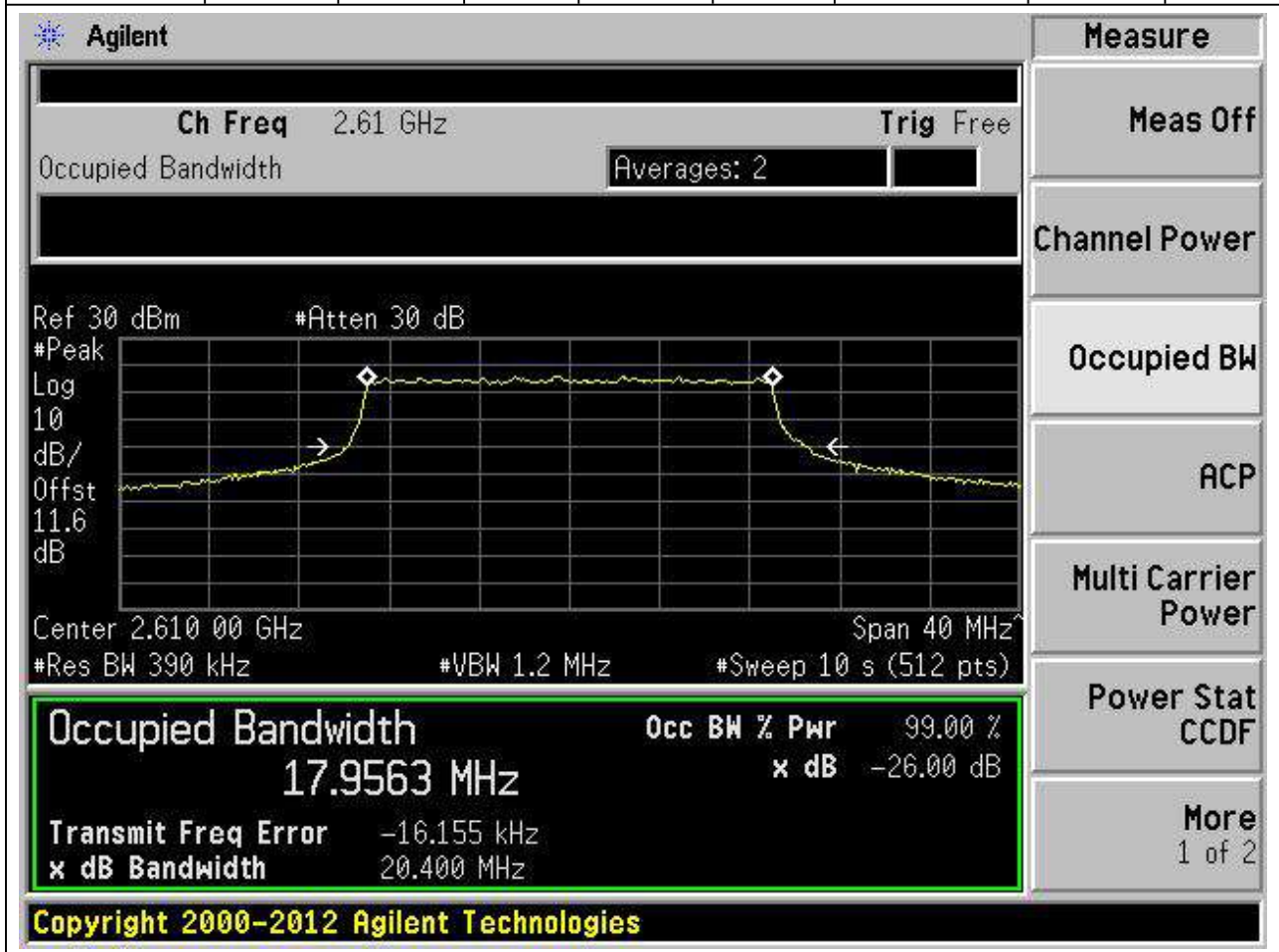
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.595 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted as 17.9914 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of available measurement functions on the right side.

Measurement	Value
Occupied Bandwidth	17.9914 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.163 kHz
x dB Bandwidth	22.053 MHz

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**18.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

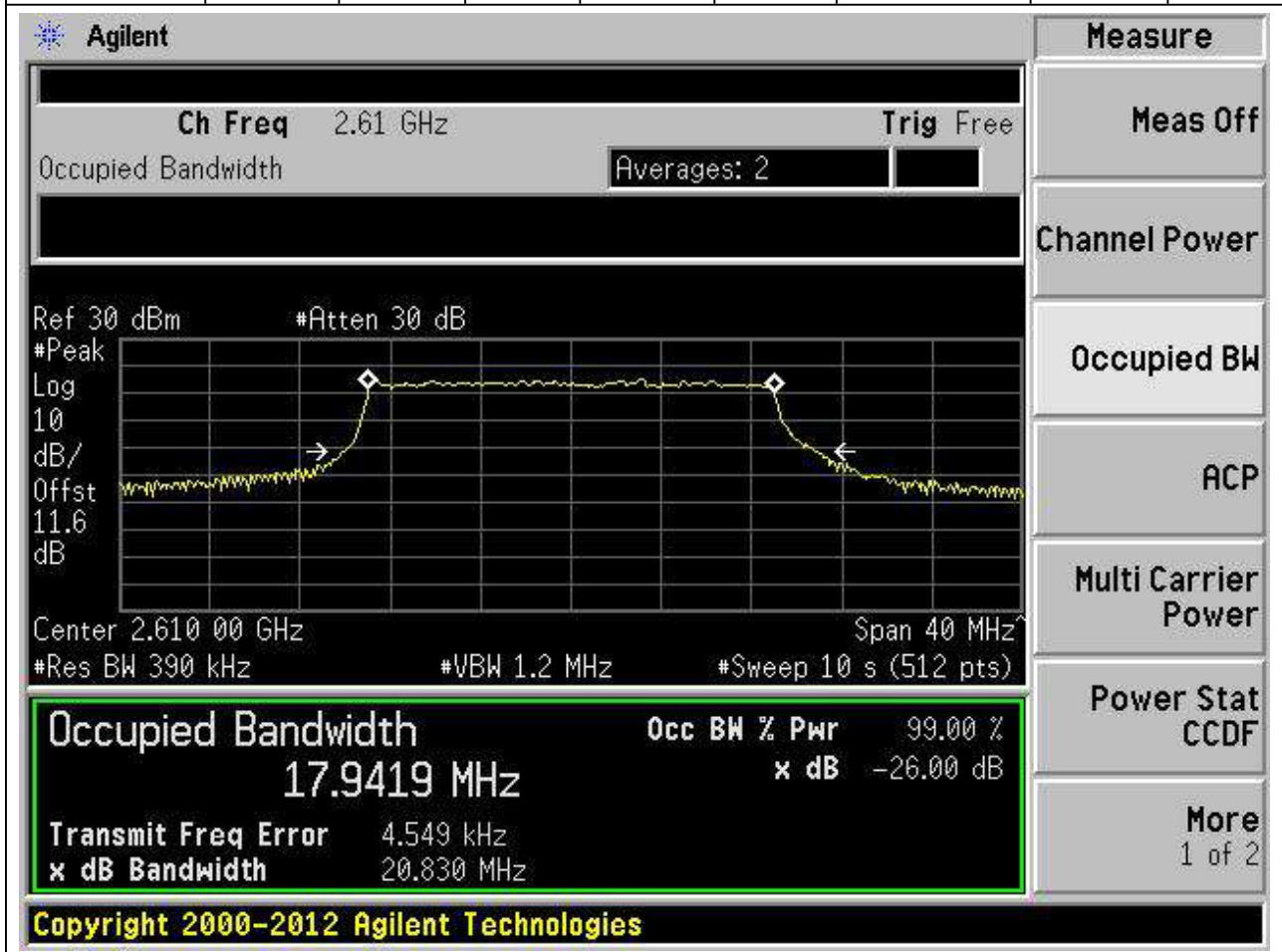
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.956	20.4	20	Pass





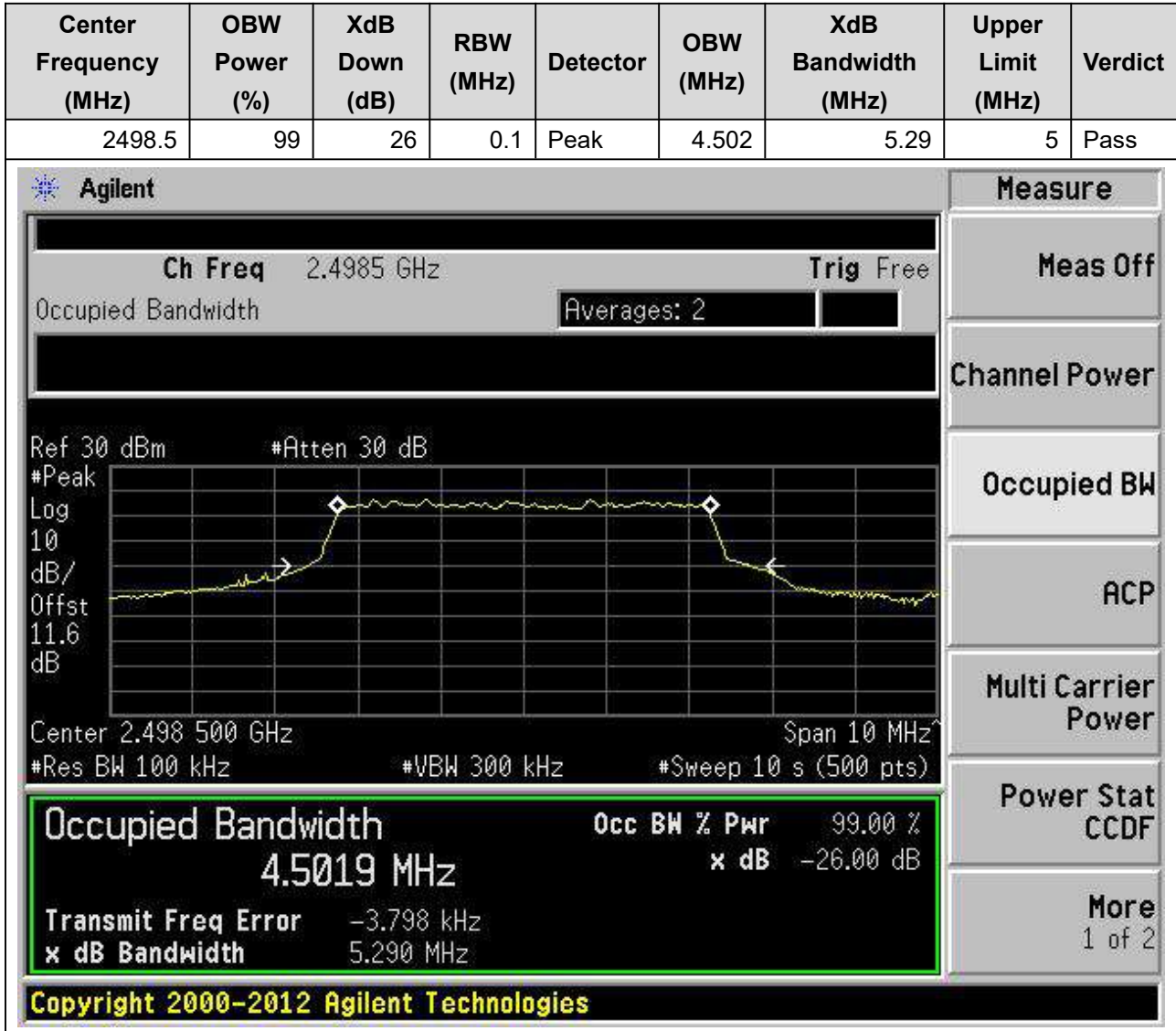
**18.24. LTE Occupied Bandwidth(NTNV)(Subtest:24, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

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	17.942	20.83	20	Pass



## 19. LTE\_Band41 full

19.1. LTE Occupied Bandwidth(NTNV)(Subtest:1, Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



**19.2. LTE Occupied Bandwidth(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	4.505	5.141	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.5051 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-3.108 kHz
x dB Bandwidth	5.141 MHz

Additional parameters shown in the interface include: Ch Freq 2.4985 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.6 dB, Center 2.498 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 10 s (500 pts).

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**19.3. LTE Occupied Bandwidth(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	4.508	5.343	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 2.593 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted as 4.5082 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -3.873 kHz. The XdB bandwidth is 5.343 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
4.5082 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -3.873 kHz  
x dB Bandwidth: 5.343 MHz

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**19.4. LTE Occupied Bandwidth(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	4.504	5.577	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.593 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 peak at approximately 2.593 GHz. Below the plot, the following parameters are displayed: 'Center 2.593 000 GHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 10 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 4.5035 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -7.477 kHz', and 'x dB Bandwidth 5.577 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'.



**19.5. LTE Occupied Bandwidth(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	4.5	5.408	5	Pass

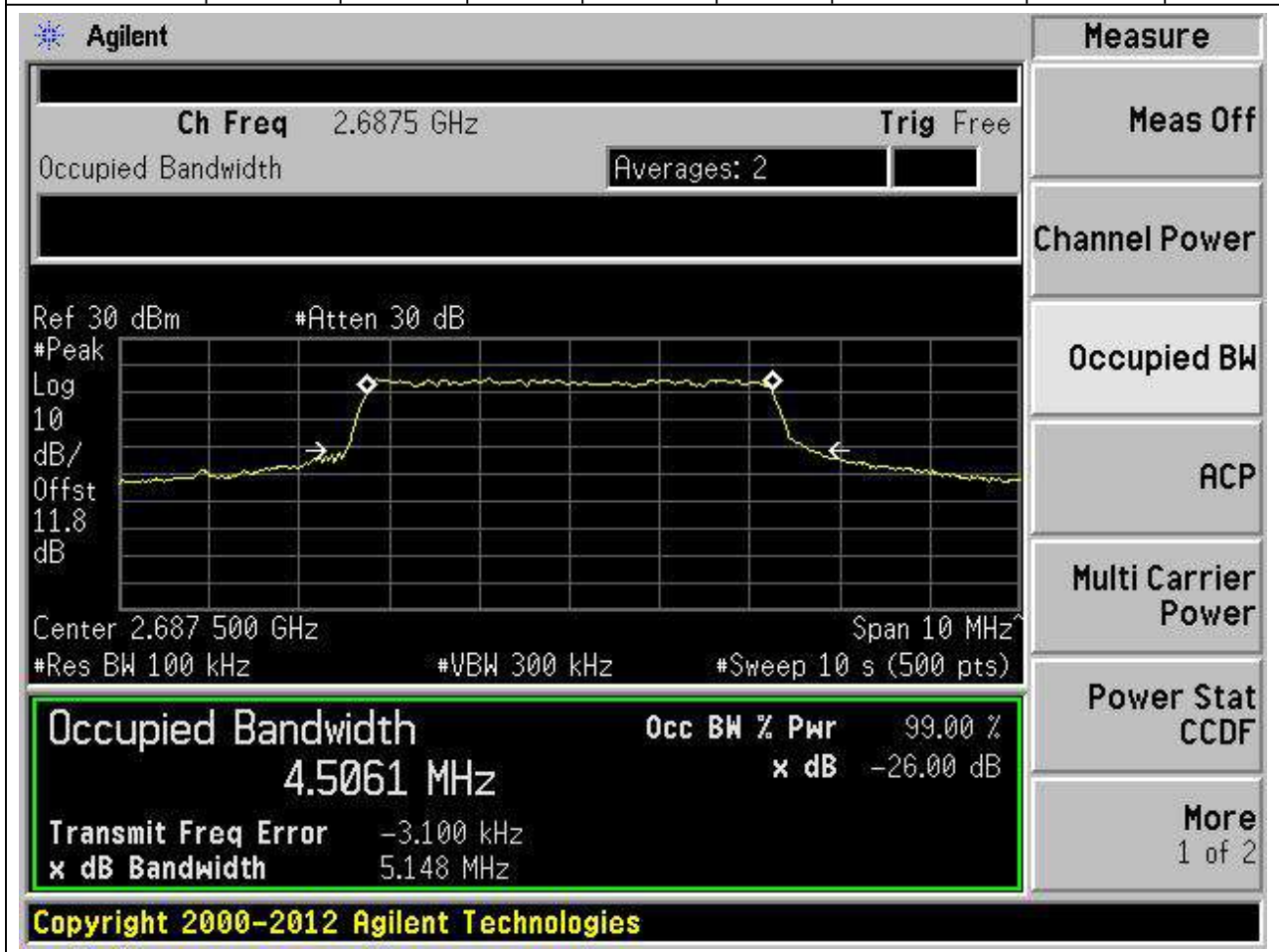
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.6875 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted as 4.4995 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
4.4995 MHz		x dB	-26.00 dB
Transmit Freq Error	3.480 kHz		
x dB Bandwidth	5.408 MHz		

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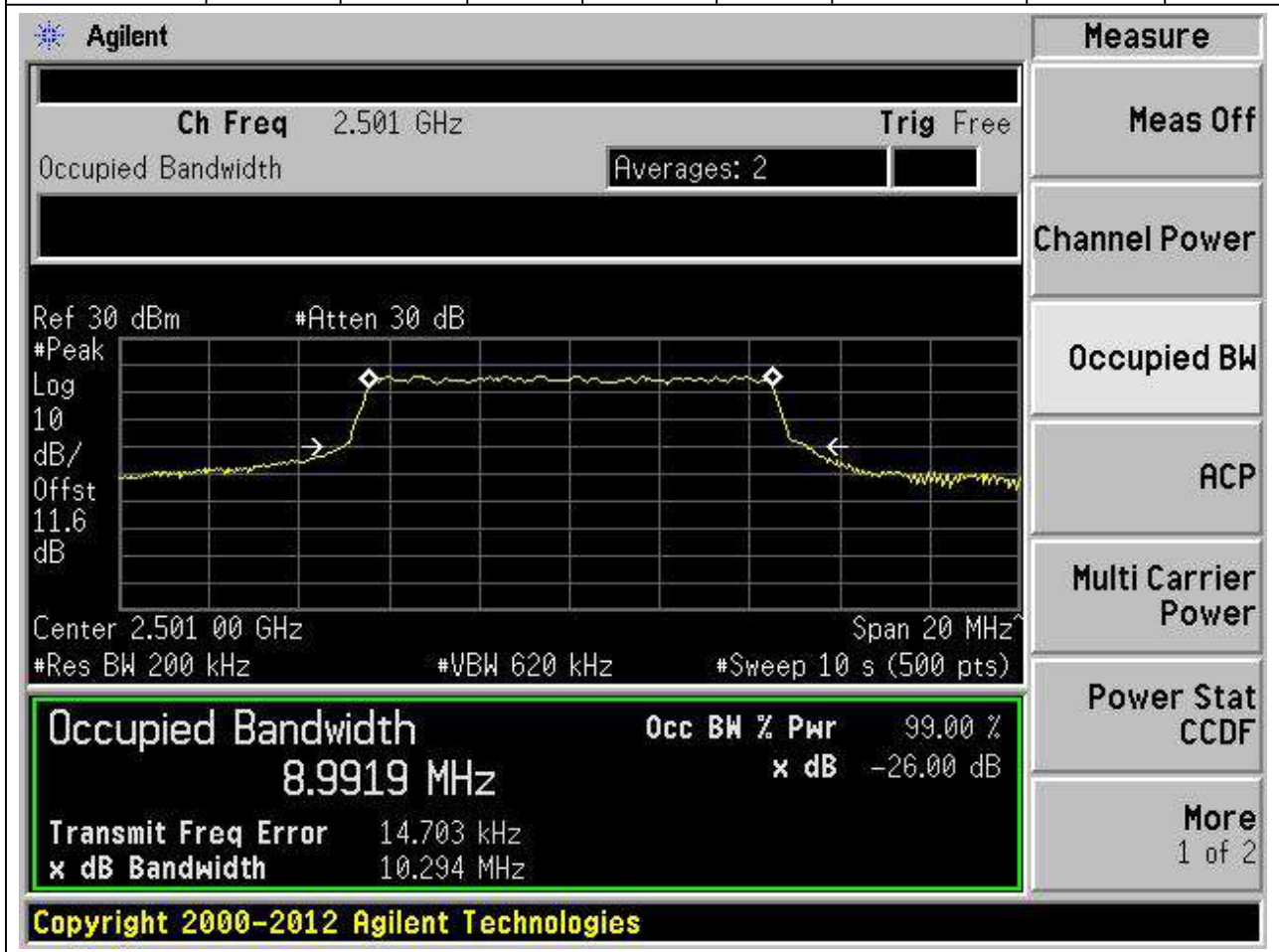
**19.6. LTE Occupied Bandwidth(NTNV)(Subtest:6, Channel:41565, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

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	4.506	5.148	5	Pass



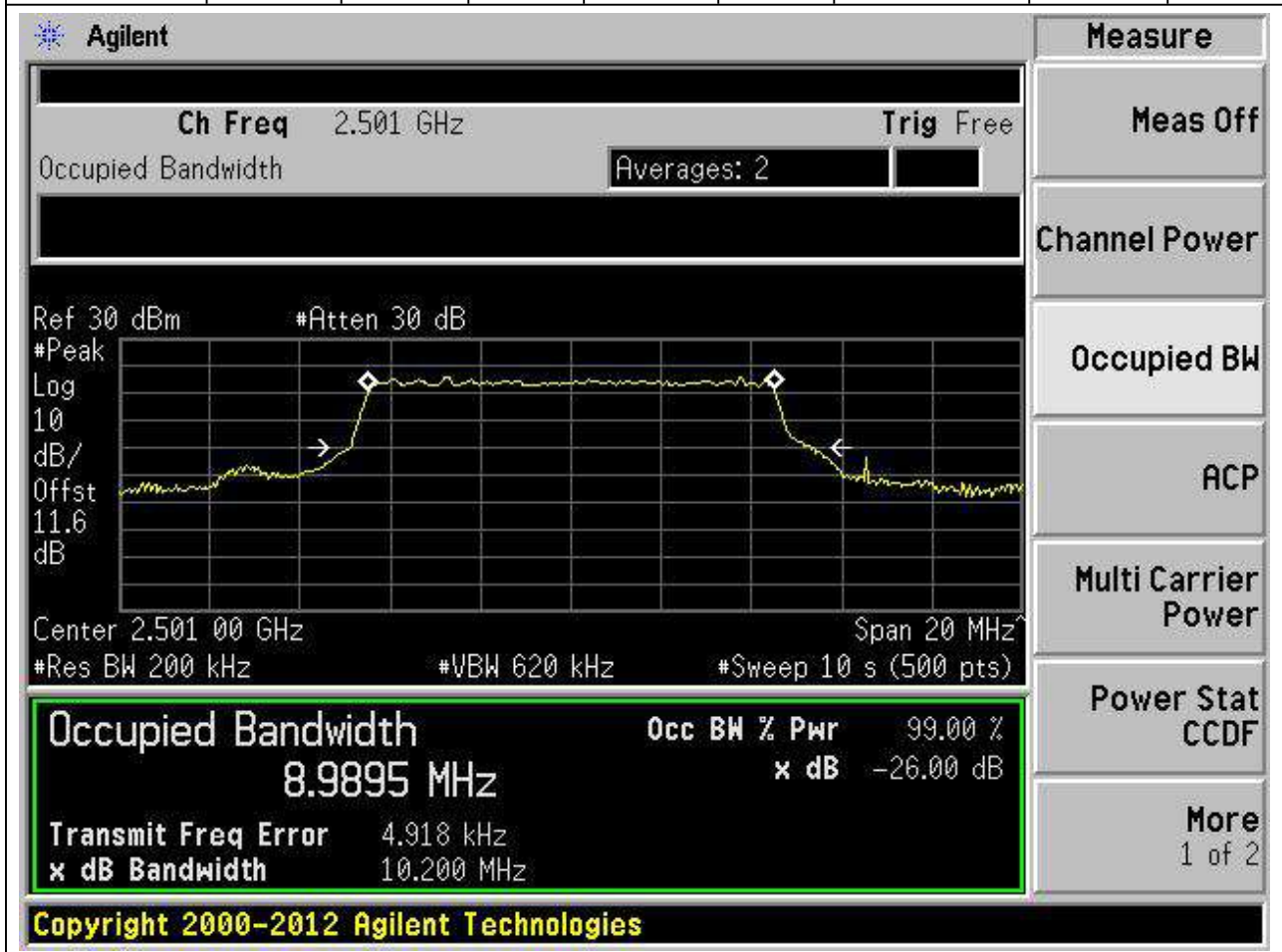
**19.7. LTE Occupied Bandwidth(NTNV)(Subtest:7, Channel:39700, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

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	8.992	10.294	10	Pass



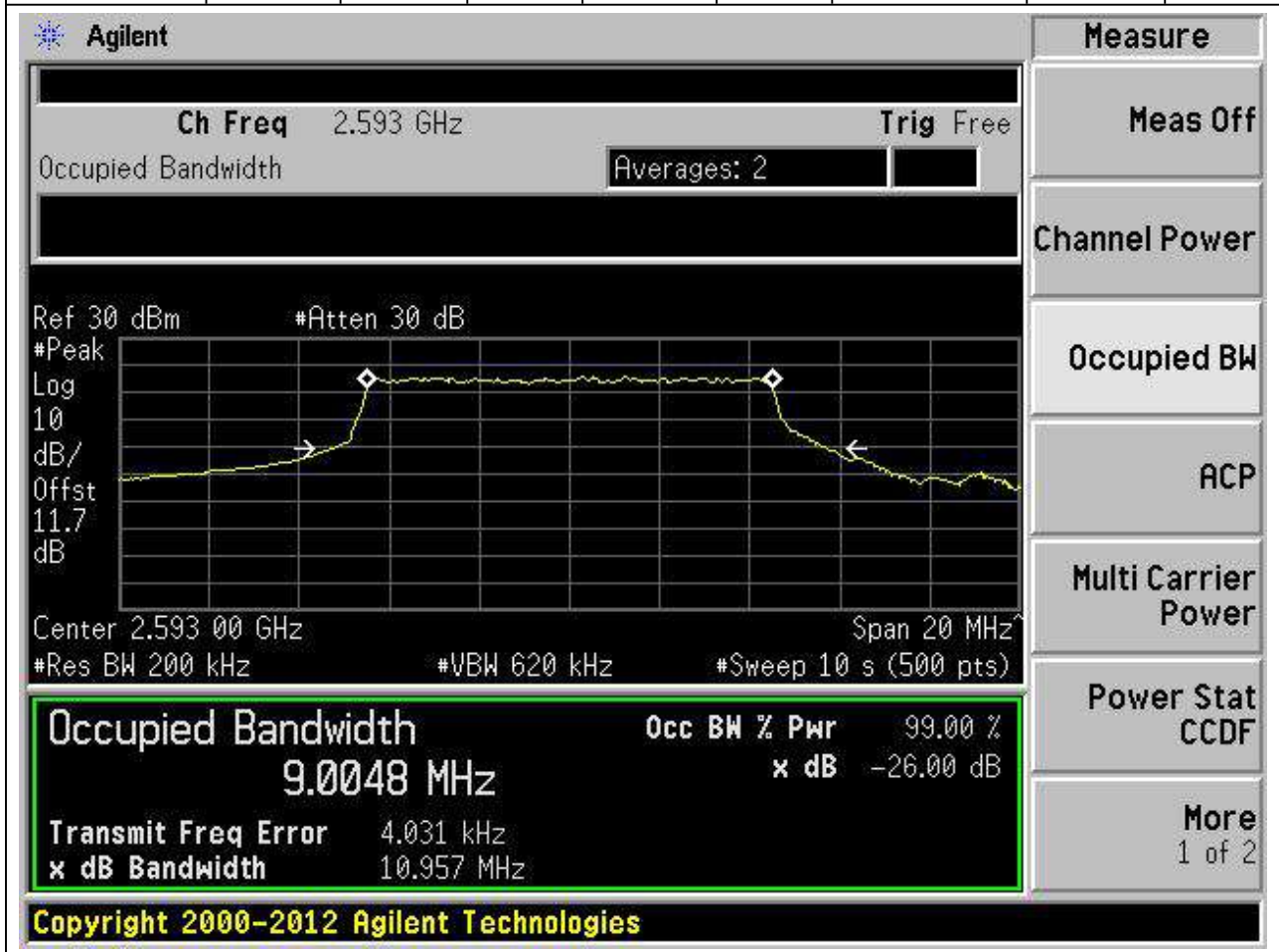
**19.8. LTE Occupied Bandwidth(NTNV)(Subtest:8, Channel:39700, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

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	8.99	10.2	10	Pass



**19.9. LTE Occupied Bandwidth(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	9.005	10.957	10	Pass





**19.10. LTE Occupied Bandwidth(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	8.946	9.779	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a peak at 2.593 GHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 8.9463 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Center 2.593 00 GHz, Span 20 MHz, Res BW 200 kHz, VBW 620 kHz, and Sweep 10 s (500 pts). 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
8.9463 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -3.404 kHz  
x dB Bandwidth: 9.779 MHz

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**19.11. LTE Occupied Bandwidth(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	9.015	10.928	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.685 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 11.8 dB'. The x-axis shows 'Center 2.685 00 GHz' and 'Span 20 MHz'. Below the plot, the following parameters are listed: '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 10 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 9.0148 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -9.499 kHz' and 'x dB Bandwidth 10.928 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.

**19.12. LTE Occupied Bandwidth(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	8.981	10.516	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.685 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 '11.8 dB'. The plot shows a signal with a peak at approximately 2.685 GHz. Below the plot, the following parameters are displayed: 'Center 2.685 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 10 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9808 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -9.729 kHz', and 'x dB Bandwidth 10.516 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'.

**19.13. LTE Occupied Bandwidth(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	13.488	15.07	15	Pass

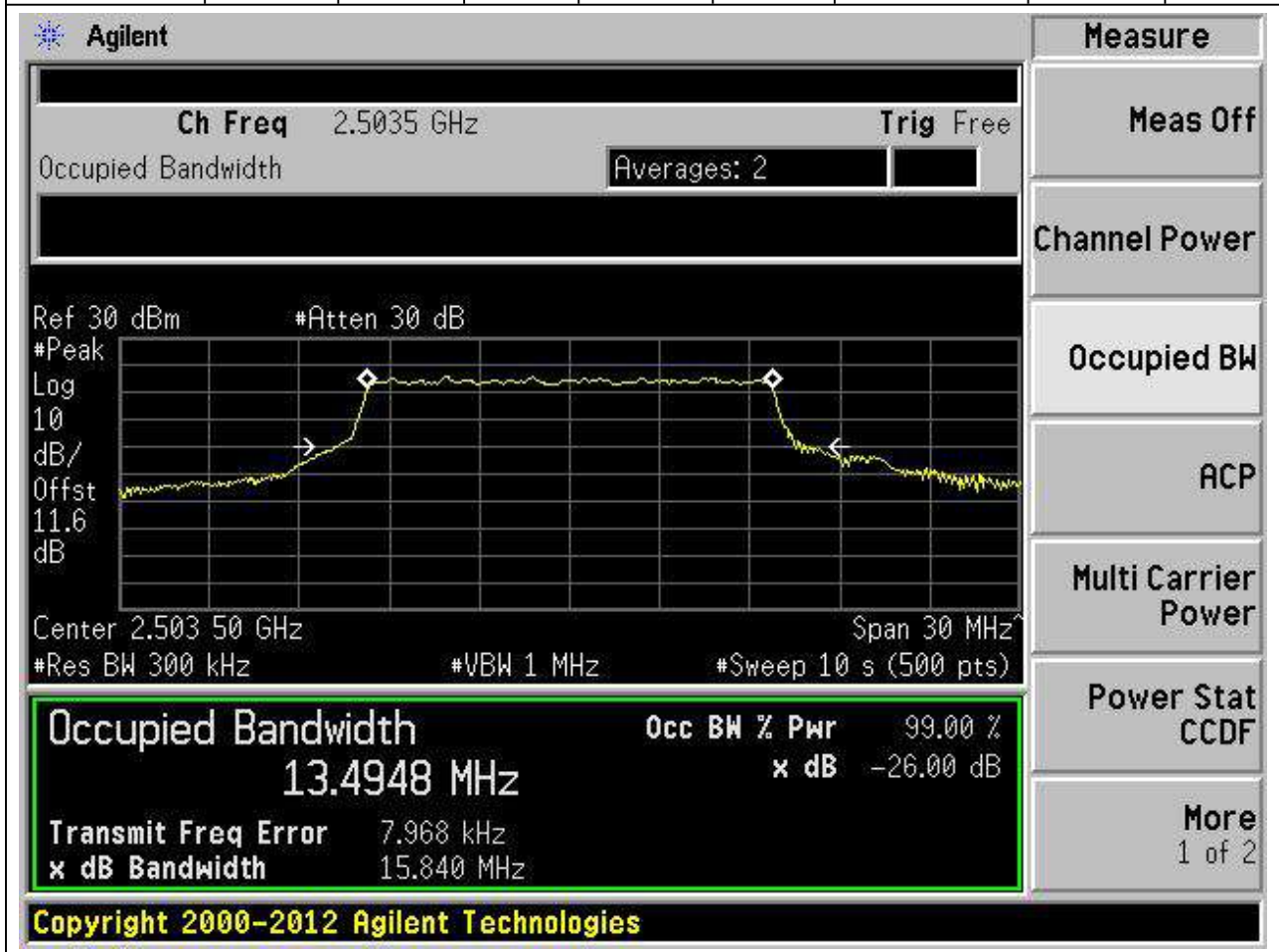
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5035 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log', '10 dB/Offst', and '11.6 dB'. The plot shows a signal with a flat top and sloping sides, with two diamond markers indicating the measurement points. Below the plot, the following parameters are listed: 'Center 2.503 50 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 10 s (500 pts)'. A summary box at the bottom of the plot area contains the following data:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>13.4883 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		23.735 kHz
<b>x dB Bandwidth</b>		15.070 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'. At the bottom of the screen, the text 'Copyright 2000-2012 Agilent Technologies' is displayed.

**19.14. LTE Occupied Bandwidth(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	13.495	15.84	15	Pass





**19.15. LTE Occupied Bandwidth(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	13.48	16.762	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.593 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 10 s (500 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

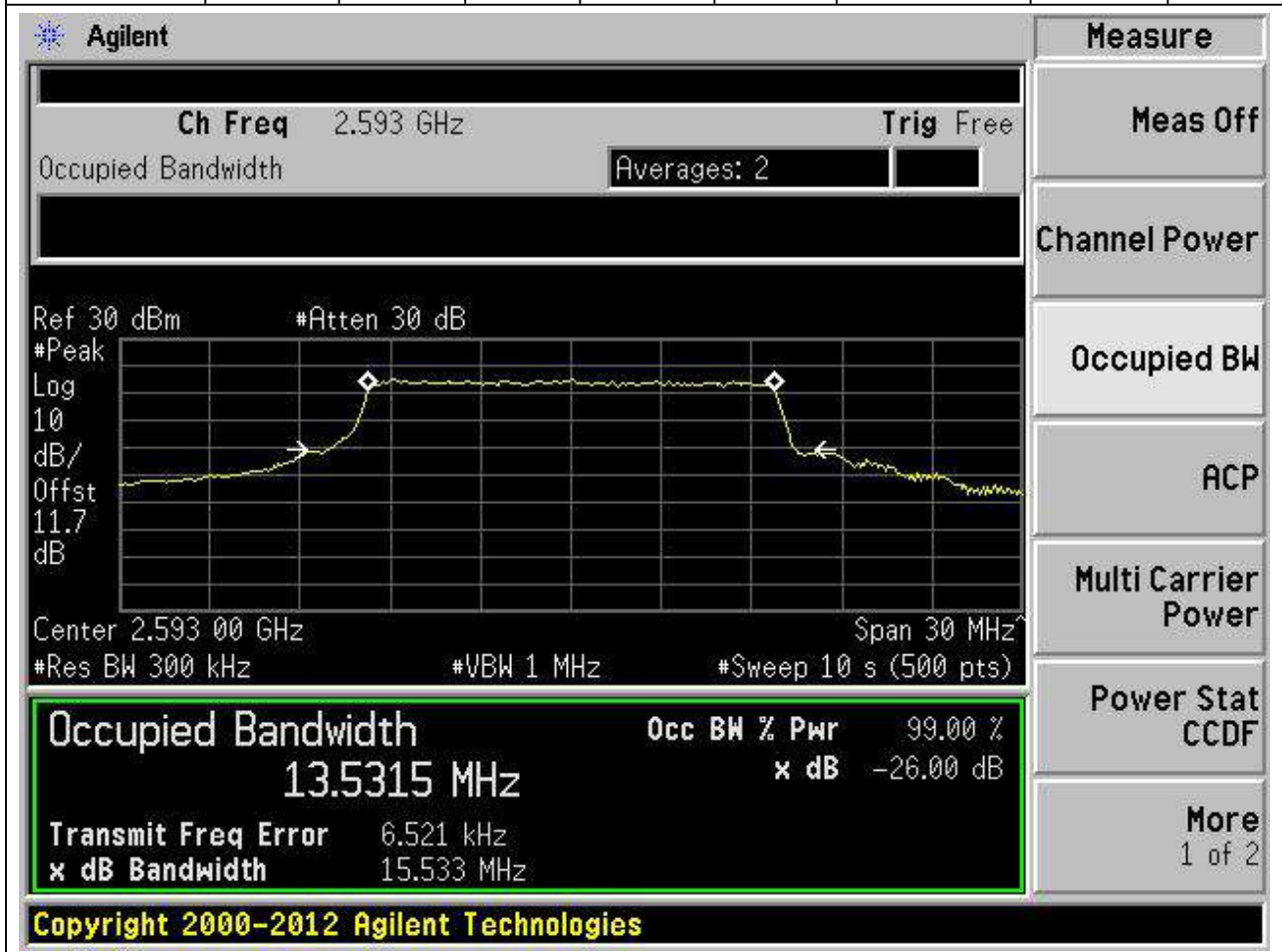
**More**  
1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4799 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> 747.676 Hz	
<b>x dB Bandwidth</b> 16.762 MHz	

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**19.16. LTE Occupied Bandwidth(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	13.531	15.533	15	Pass



**19.17. LTE Occupied Bandwidth(NTNV)(Subtest:17, Channel:41515, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

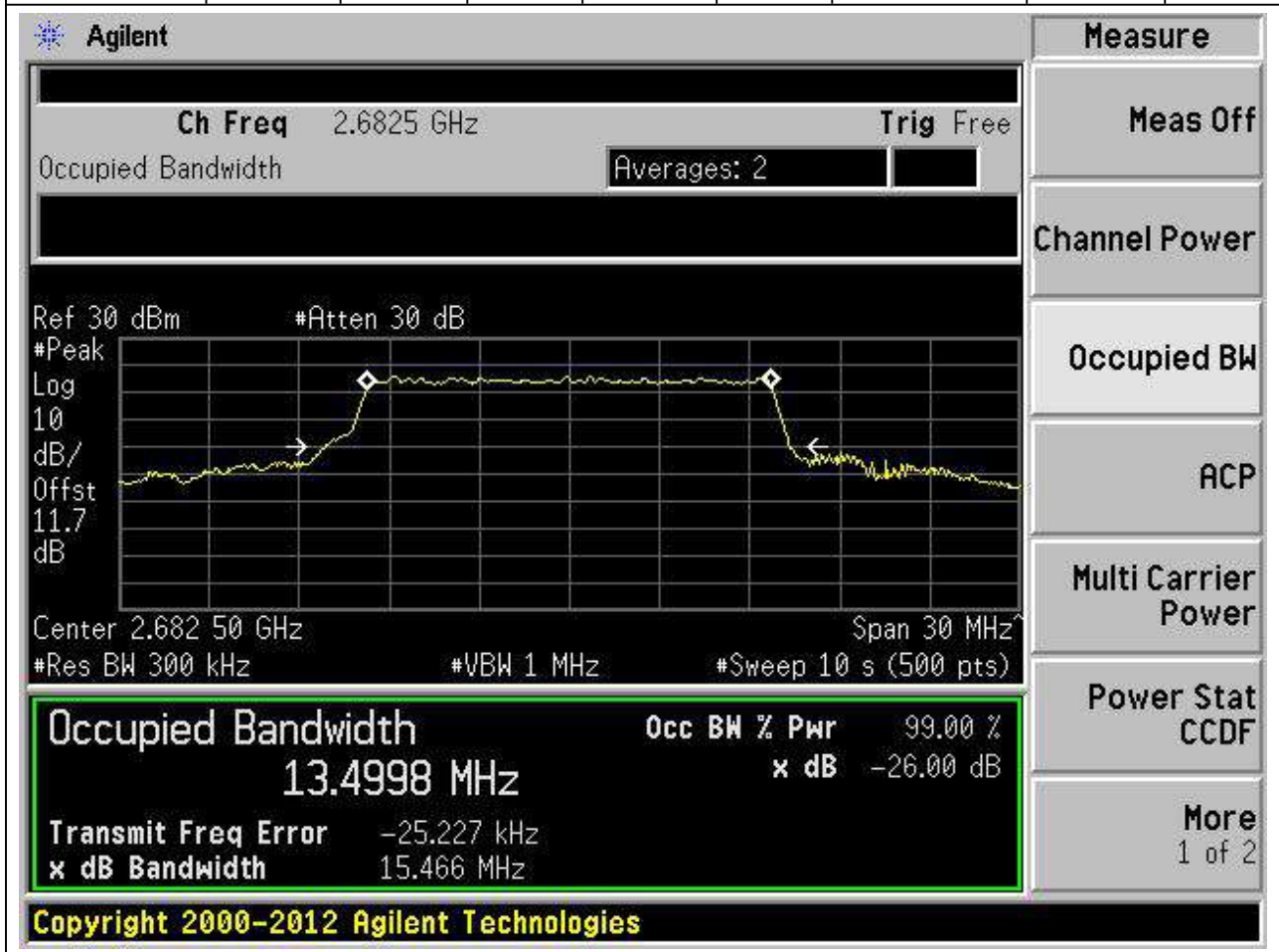
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.478	16.009	15	Pass

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 2.6825 GHz and a span of 30 MHz. The vertical axis is labeled 'dB/Offst' with a scale of 10 dB and an offset of 11.7 dB. The horizontal axis is labeled 'MHz' with a resolution bandwidth of 300 kHz and a video bandwidth of 1 MHz. The plot shows a signal with a peak at approximately 2.6825 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4784 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -153.047 Hz and the 'x dB Bandwidth' is 16.009 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

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

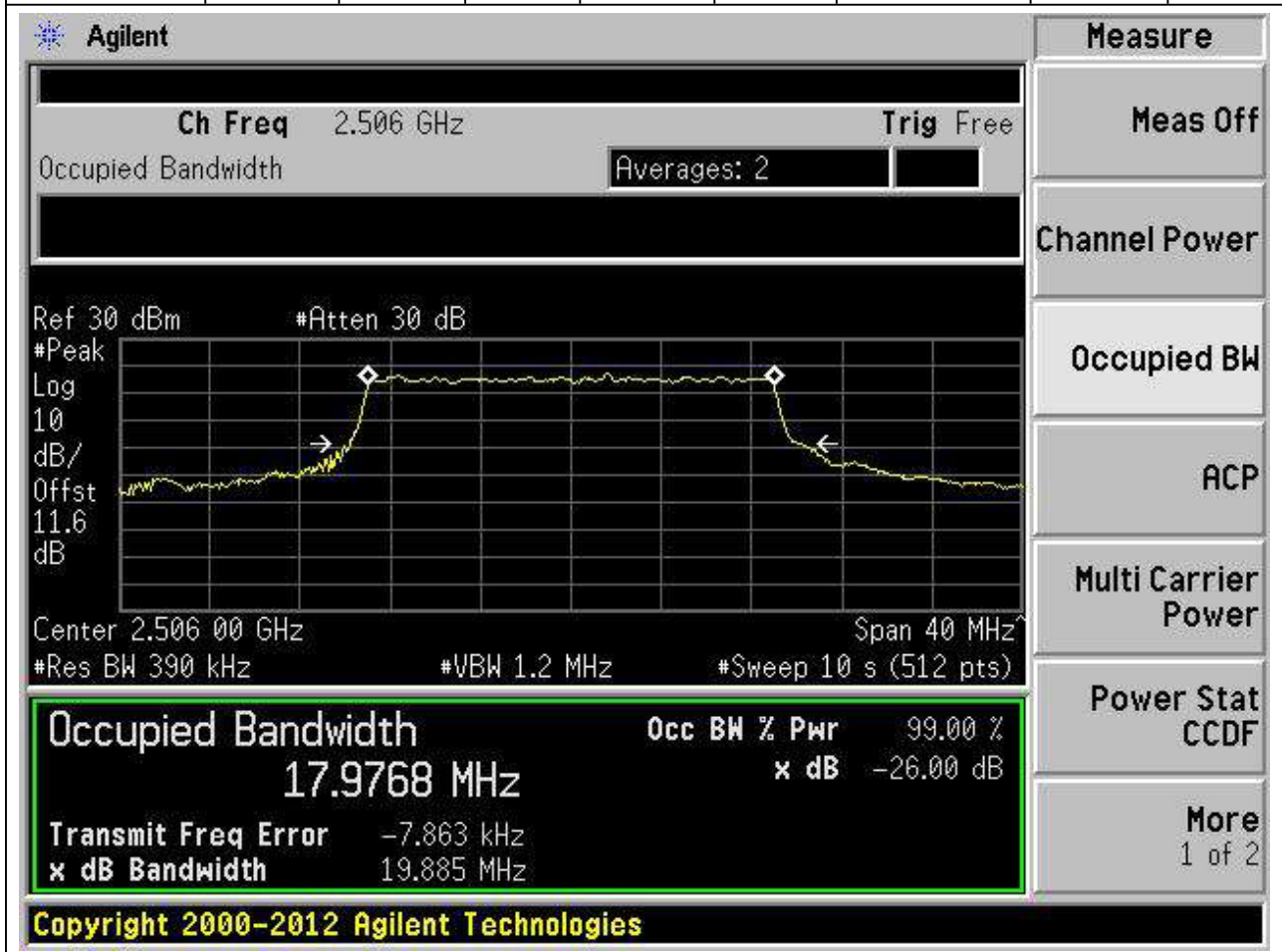
**19.18. LTE Occupied Bandwidth(NTNV)(Subtest:18, Channel:41515, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

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	13.5	15.466	15	Pass



**19.19. LTE Occupied Bandwidth(NTNV)(Subtest:19, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

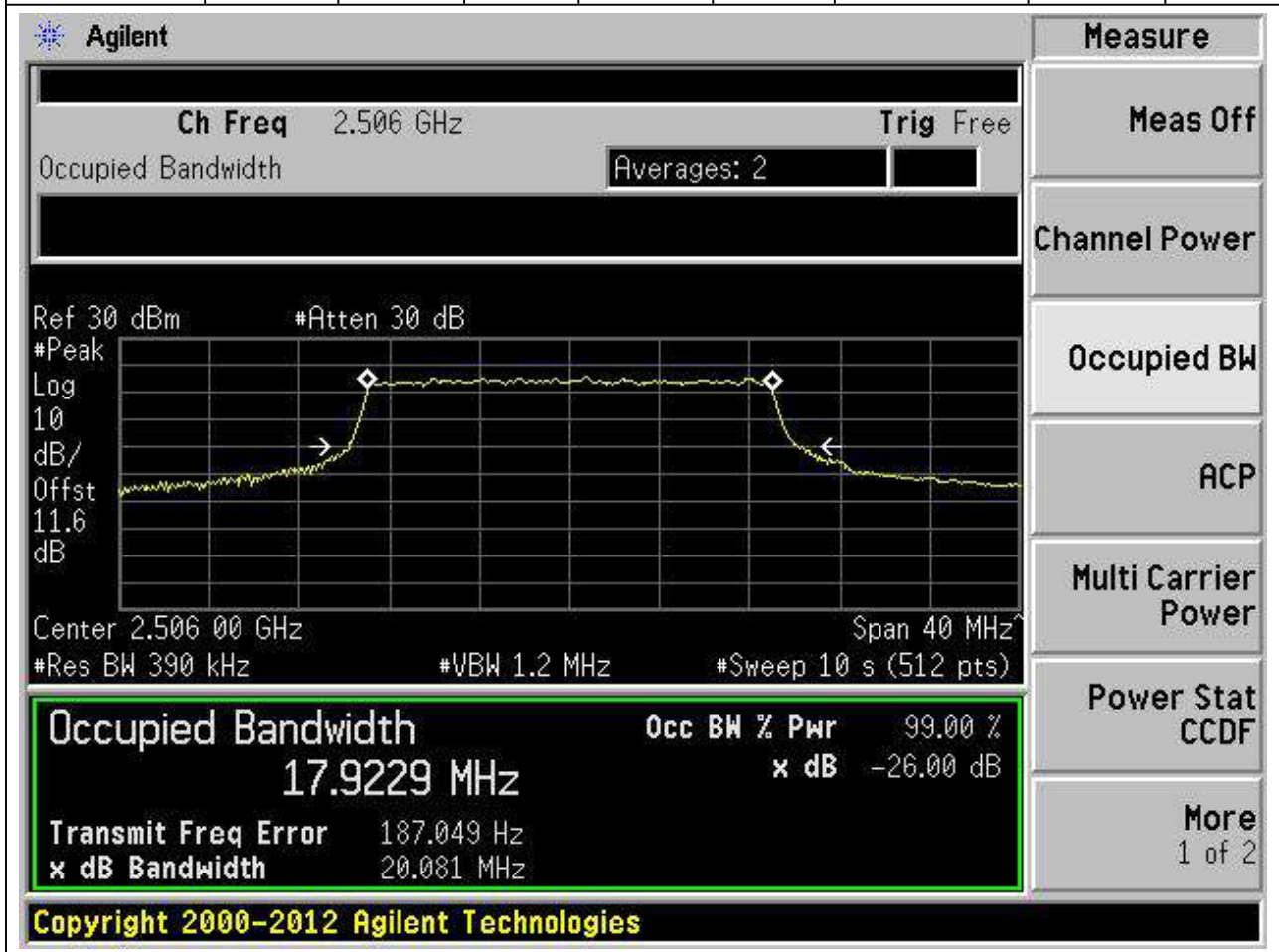
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.977	19.885	20	Pass





**19.20. LTE Occupied Bandwidth(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	17.923	20.081	20	Pass



**19.21. LTE Occupied Bandwidth(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	17.936	20.124	20	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 2.593 GHz and a span of 40 MHz. The vertical axis is labeled 'dB/Offst' with a scale of 10 dB and an offset of 11.7 dB. The horizontal axis is labeled 'MHz' with a scale of 10 MHz. The plot shows a signal with a peak at approximately 2.593 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9359 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -3.018 kHz and the 'x dB Bandwidth' is 20.124 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9359 MHz	99.00 %	-26.00 dB

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**19.22. LTE Occupied Bandwidth(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	17.999	22.149	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.593 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in green, showing a value of 17.9993 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 'Measure', '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'.

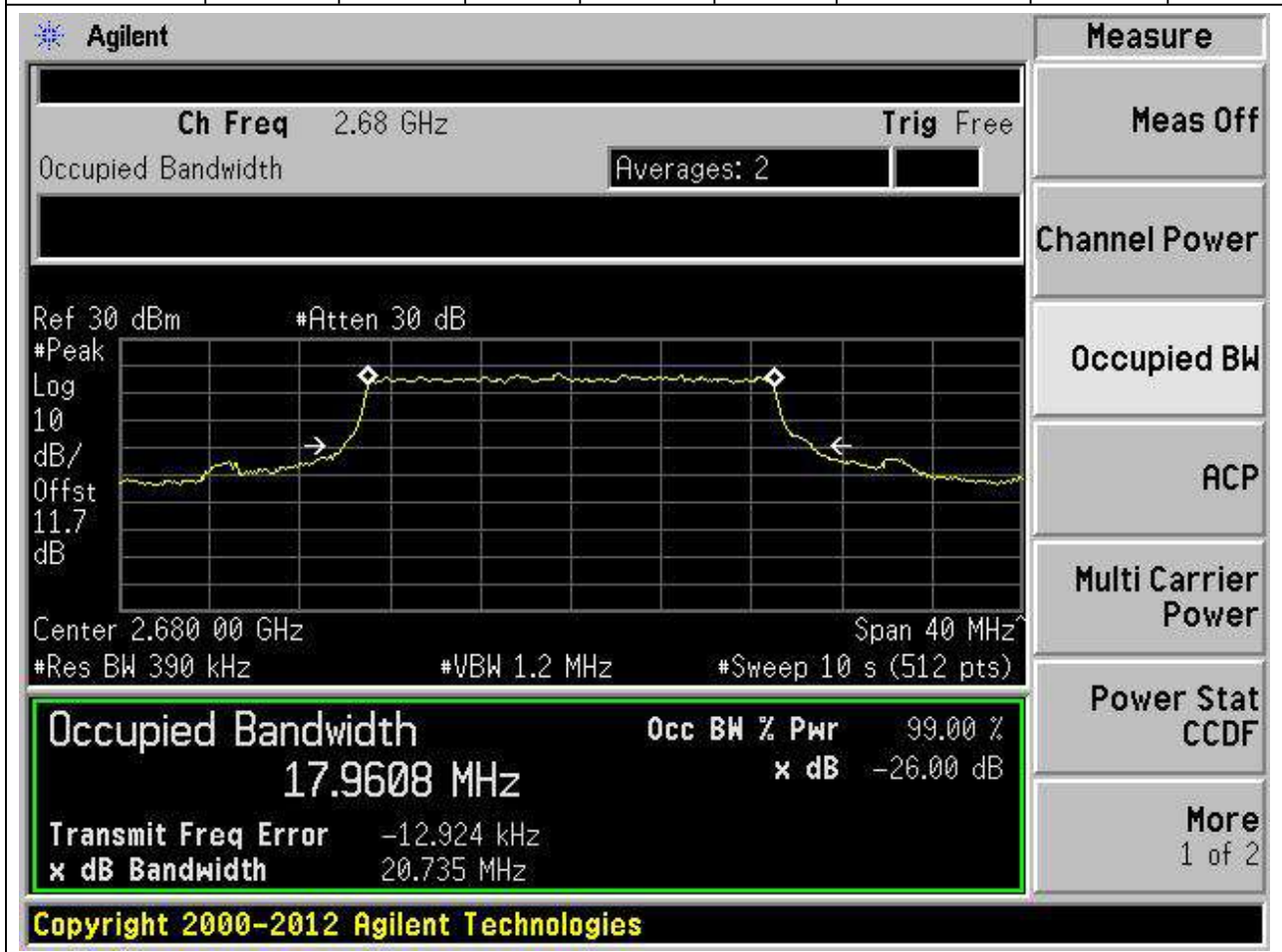
Occupied Bandwidth	Occ BW % Pwr	x dB
17.9993 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 261.109 Hz  
 x dB Bandwidth: 22.149 MHz

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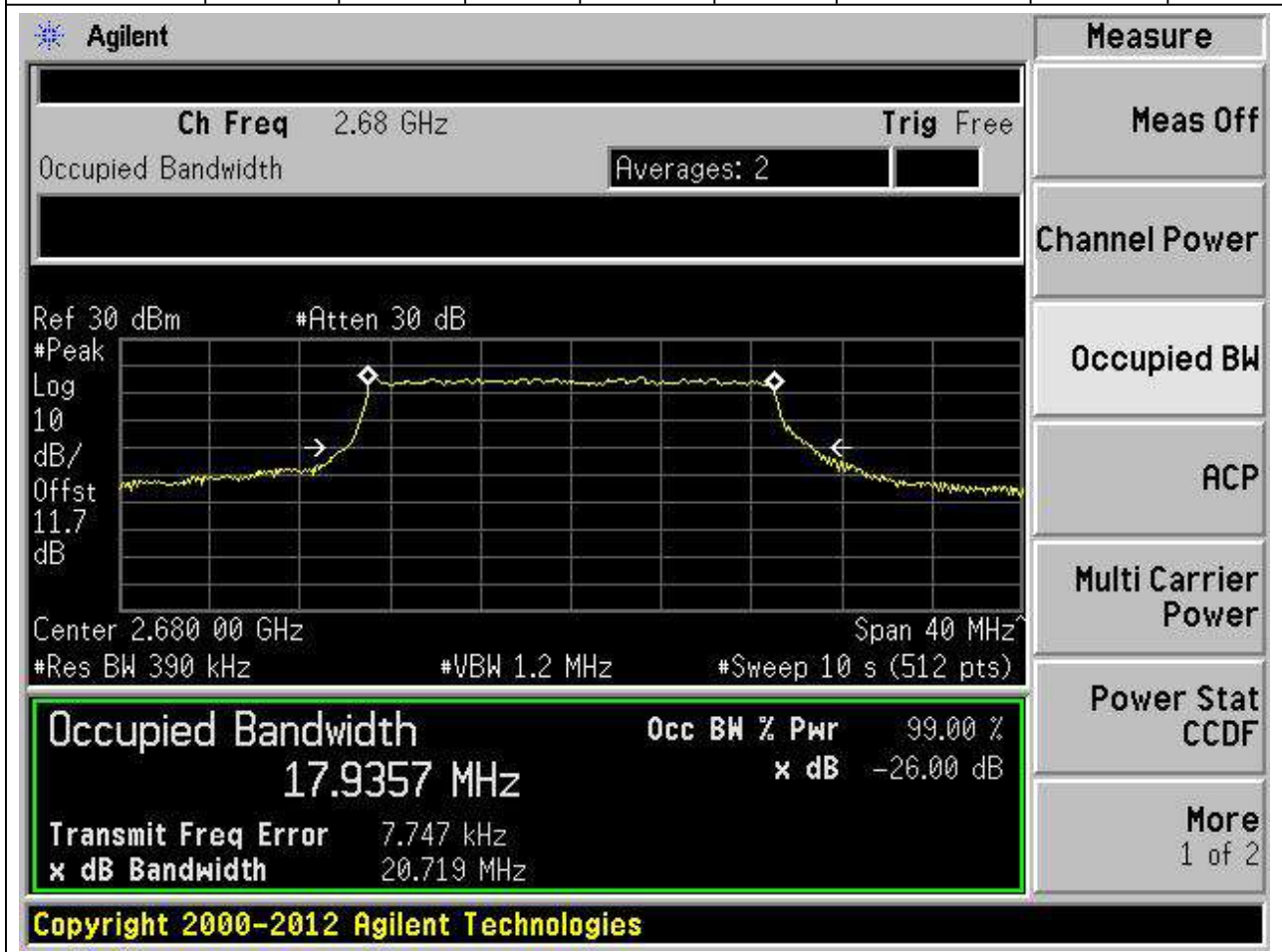
**19.23. LTE Occupied Bandwidth(NTNV)(Subtest:23, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

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	17.961	20.735	20	Pass



**19.24. LTE Occupied Bandwidth(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	17.936	20.719	20	Pass

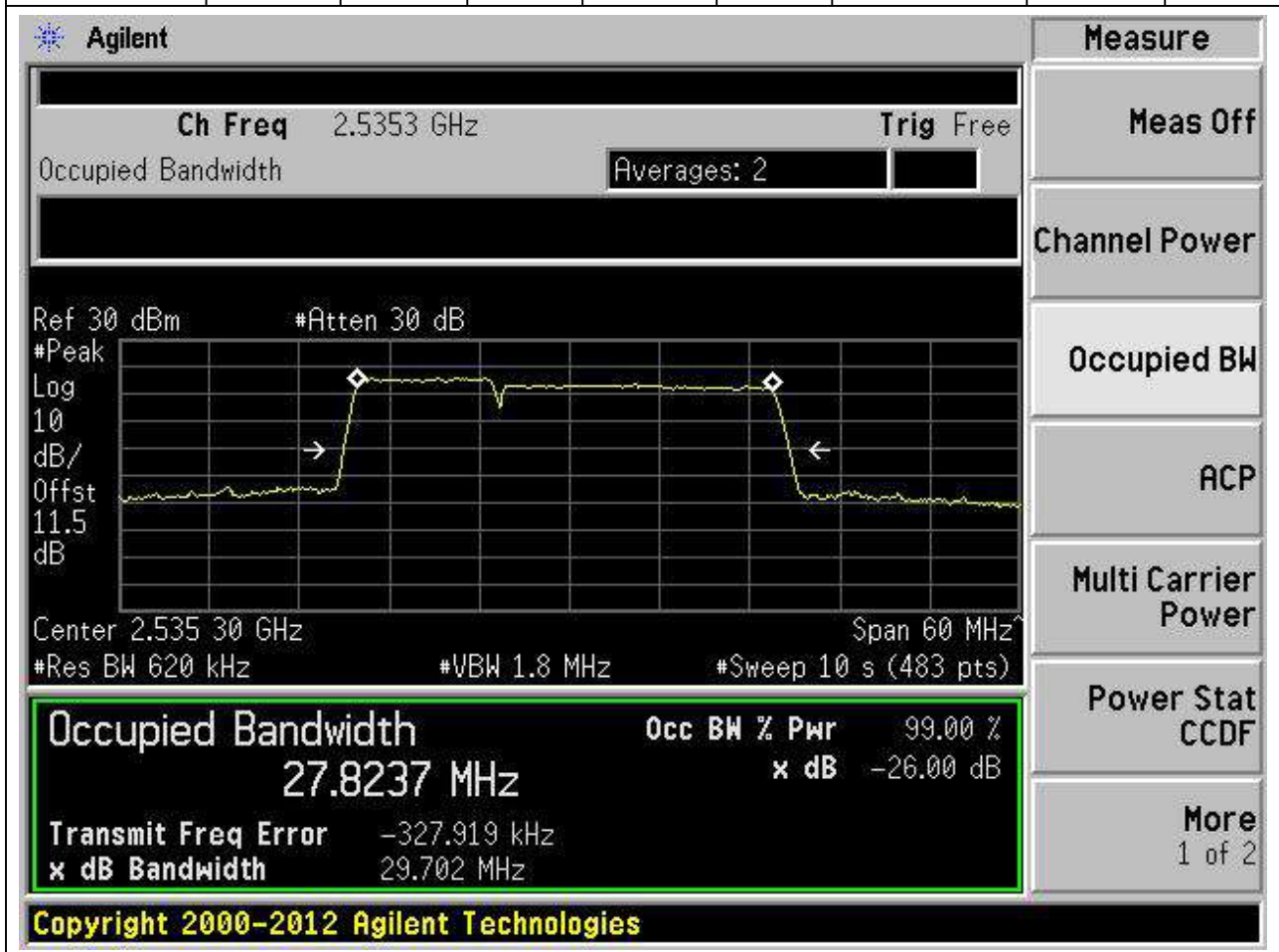




## 20. CA\_7C

20.1. CA Occupied Bandwidth(NTNV)(Subtest:1, Channel:21006|21150, Bandwidth:10|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
2535.3	99	26	0.62	Peak	27.82	29.7	30	Pass



**20.2. CA Occupied Bandwidth(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	27.75	29.54	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

#Peak Log 10 dB/Offst 11.5 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 %
27.7466 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-339.335 kHz	
<b>x dB Bandwidth</b>	29.540 MHz	

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**20.3. CA Occupied Bandwidth(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	27.84	29.72	30	Pass

Agilent
Measure

Ch Freq 2.5348 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.5 dB

Center 2.53480 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

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

**27.8379 MHz** x dB -26.00 dB

Transmit Freq Error 325.763 kHz

x dB Bandwidth 29.720 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**20.4. CA Occupied Bandwidth(NTNV)(Subtest:4, Channel:21051|21195, Bandwidth:20|10MHz, 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
2534.8	99	26	0.62	Peak	27.77	29.56	30	Pass

Agilent

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

Ch Freq 2.5348 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.53480 GHz Span 60 MHz  
 #Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
**27.7725 MHz** x dB -26.00 dB

Transmit Freq Error 331.505 kHz  
 x dB Bandwidth 29.560 MHz

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**20.5. CA Occupied Bandwidth(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	28.39	30.39	30	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

#Peak Log 10 dB/Offst 11.5 dB

Center 2.535 00 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 %
<b>28.3925 MHz</b>	<b>x dB</b>	-26.00 dB
Transmit Freq Error	-15.511 kHz	
x dB Bandwidth	30.390 MHz	

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**20.6. CA Occupied Bandwidth(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	28.42	30.37	30	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

#Peak Log 10 dB/Offst 11.5 dB

Center 2.535 00 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 %
28.4241 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	2.663 kHz	
<b>x dB Bandwidth</b>	30.373 MHz	

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**20.7. CA Occupied Bandwidth(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	32.73	34.97	35	Pass

Agilent

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

Ch Freq 2.5351 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.535 10 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

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

**32.7289 MHz** x dB -26.00 dB

Transmit Freq Error -160.081 kHz

x dB Bandwidth 34.968 MHz

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**20.8. CA Occupied Bandwidth(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	32.63	34.81	35	Pass

Agilent
Measure

Ch Freq 2.5351 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.535 10 GHz Span 70 MHz  
 #Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
32.6317 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-174.665 kHz	
<b>x dB Bandwidth</b>	34.814 MHz	

Power Stat CCDF
More 1 of 2

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**20.9. CA Occupied Bandwidth(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	32.67	34.84	35	Pass

Agilent

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

Ch Freq 2.5349 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.53490 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

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

**32.6699 MHz** x dB -26.00 dB

Transmit Freq Error 138.709 kHz

x dB Bandwidth 34.839 MHz

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**20.10. CA Occupied Bandwidth(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	32.7	34.83	35	Pass

Agilent
Measure

Ch Freq 2.5349 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm      #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.5

dB

Center 2.534 90 GHz      Span 70 MHz

#Res BW 680 kHz      #VBW 2 MHz      #Sweep 10 s (514 pts)

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

**32.7018 MHz**      x dB      -26.00 dB

Transmit Freq Error      159.415 kHz

x dB Bandwidth      34.830 MHz

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Meas Off

---

Channel Power

---

Occupied BW

---

ACP

---

Multi Carrier Power

---

Power Stat CCDF

---

More  
1 of 2



**20.11. CA Occupied Bandwidth(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	37.68	40.04	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

#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)

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

**37.6810 MHz** x dB -26.00 dB

Transmit Freq Error 9.218 kHz

x dB Bandwidth 40.040 MHz

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**20.12. CA Occupied Bandwidth(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	37.57	40.13	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

#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)

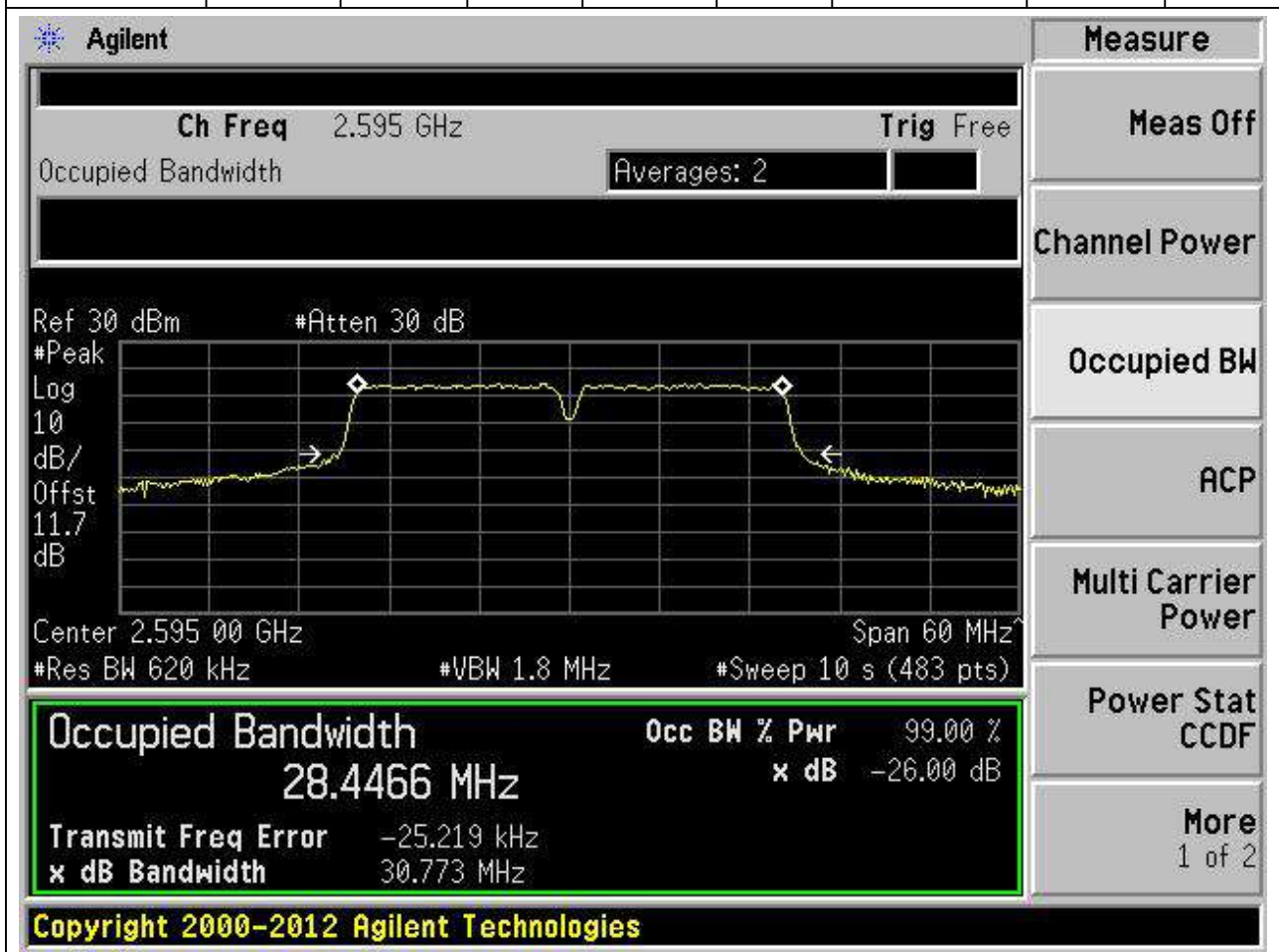
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
37.5663 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-20.844 kHz
<b>x dB Bandwidth</b>		40.125 MHz

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## 21. CA\_38C

21.1. CA Occupied Bandwidth(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	28.45	30.77	30	Pass



**21.2. CA Occupied Bandwidth(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	28.49	30.5	30	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 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 %
28.4856 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-2.289 kHz	
<b>x dB Bandwidth</b>	30.504 MHz	

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**21.3. CA Occupied Bandwidth(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	37.72	41.94	40	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 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 %

**37.7160 MHz** x dB -26.00 dB

Transmit Freq Error -13.653 kHz

x dB Bandwidth 41.936 MHz

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**21.4. CA Occupied Bandwidth(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	37.66	41.24	40	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 GHz Span 80 MHz

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

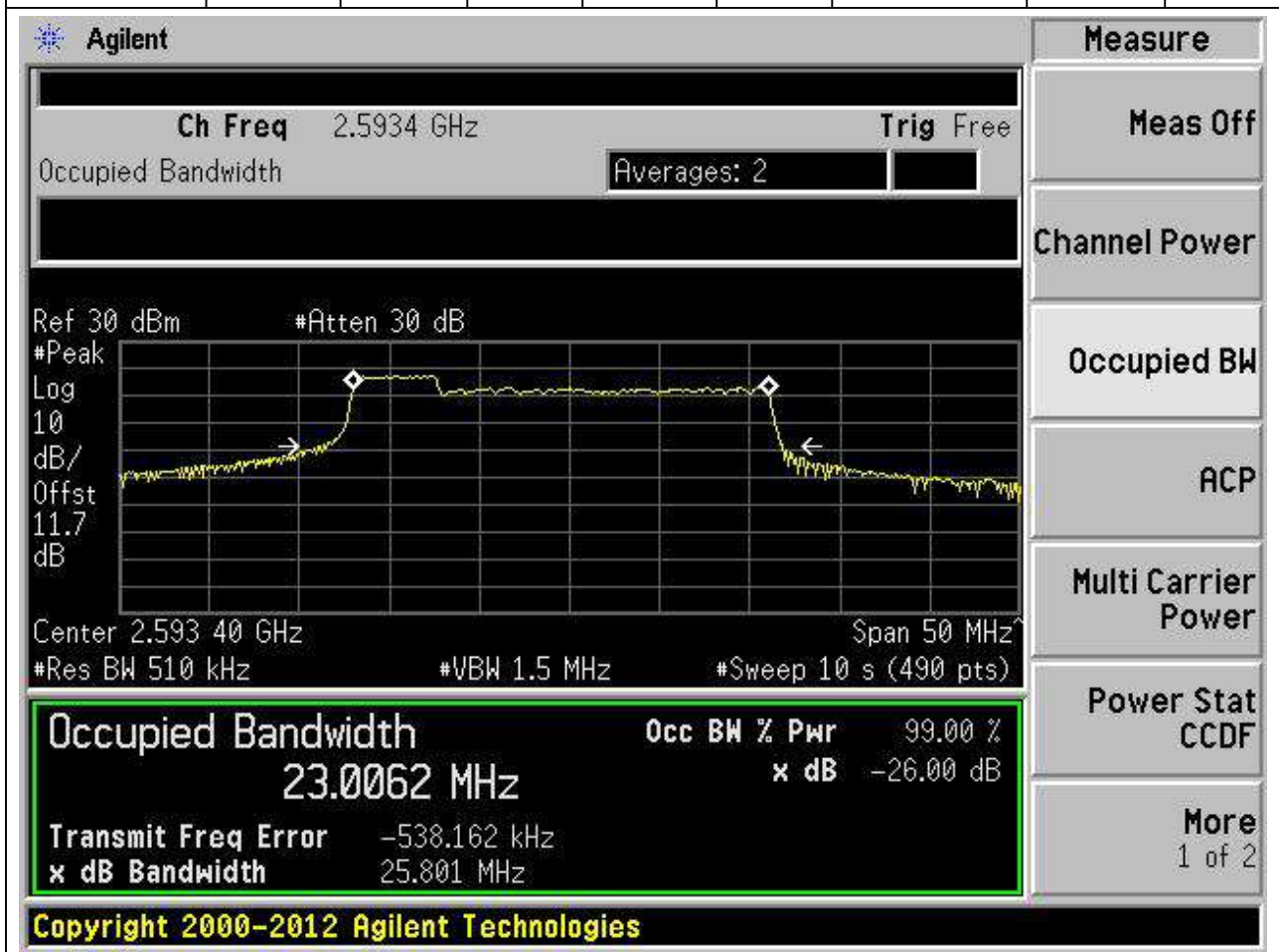
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
37.6597 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-14.623 kHz	
<b>x dB Bandwidth</b>	41.237 MHz	

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## 22. CA\_41C\_full

22.1. CA Occupied Bandwidth(NTNV)(Subtest:1, Channel:40528|40645, Bandwidth:5|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
2593.4	99	26	0.51	Peak	23.01	25.8	25	Pass



**22.2. CA Occupied Bandwidth(NTNV)(Subtest:2, Channel:40528|40645, Bandwidth:5|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
2593.4	99	26	0.51	Peak	22.93	24.46	25	Pass

Agilent

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

Ch Freq 2.5934 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.593 40 GHz Span 50 MHz

#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

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

**22.9279 MHz** x dB -26.00 dB

Transmit Freq Error -492.603 kHz

x dB Bandwidth 24.457 MHz

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**22.3. CA Occupied Bandwidth(NTNV)(Subtest:3, Channel:40595|40712, Bandwidth:20|5MHz, 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
2592.6	99	26	0.51	Peak	23.05	24.95	25	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	23.0464 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	482.832 kHz
x dB Bandwidth	24.950 MHz

Other parameters shown in the interface include: Ch Freq 2.5926 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.7 dB, Center 2.592 60 GHz, Span 50 MHz, #Res BW 510 kHz, #VBW 1.5 MHz, #Sweep 10 s (490 pts).

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**22.4. CA Occupied Bandwidth(NTNV)(Subtest:4, Channel:40595|40712, Bandwidth:20|5MHz, 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
2592.6	99	26	0.51	Peak	22.98	24.45	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5926 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 510 kHz and a video bandwidth of 1.5 MHz. The center frequency is 2.5926 GHz and the span is 50 MHz. The plot shows a signal with a peak level of approximately -26 dB. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 22.9785 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error' of 489.712 kHz and 'x dB Bandwidth' of 24.448 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'.



**22.5. CA Occupied Bandwidth(NTNV)(Subtest:5, Channel:40526|40670, Bandwidth:10|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
2593.3	99	26	0.62	Peak	27.89	31.79	30	Pass

Agilent

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

Ch Freq 2.5933 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.593 30 GHz Span 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

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

**27.8867 MHz** x dB -26.00 dB

Transmit Freq Error -332.055 kHz

x dB Bandwidth 31.795 MHz

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**22.6. CA Occupied Bandwidth(NTNV)(Subtest:6, Channel:40526|40670, 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
2593.3	99	26	0.62	Peak	27.84	30.36	30	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5933 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 11.7 dB. The center frequency is 2.59330 GHz, the span is 60 MHz, the resolution bandwidth is 620 kHz, the video bandwidth is 1.8 MHz, and the sweep time is 10 seconds (483 points). A green box highlights the measurement results: Occupied Bandwidth is 27.8382 MHz, Occ BW % Pwr is 99.00%, and x dB is -26.00 dB. Other parameters shown include Transmit Freq Error of -328.690 kHz and x dB Bandwidth of 30.359 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).

Occupied Bandwidth	Occ BW % Pwr	x dB
27.8382 MHz	99.00 %	-26.00 dB

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**22.7. CA Occupied Bandwidth(NTNV)(Subtest:7, Channel:40571|40715, 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
2592.8	99	26	0.62	Peak	27.92	30.05	30	Pass

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

Measurement	Value
Occupied Bandwidth	27.9222 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	316.619 kHz
x dB Bandwidth	30.055 MHz

Other visible parameters include: Ch Freq 2.5928 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.7 dB, Center 2.592 80 GHz, Span 60 MHz, #Res BW 620 kHz, #VBW 1.8 MHz, #Sweep 10 s (483 pts).

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**22.8. CA Occupied Bandwidth(NTNV)(Subtest:8, Channel:40571|40715, Bandwidth:20|10MHz, 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
2592.8	99	26	0.62	Peak	27.82	29.99	30	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	27.8247 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	310.828 kHz
x dB Bandwidth	29.990 MHz

Other parameters shown in the interface include: Ch Freq 2.5928 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.7 dB, Center 2.592 80 GHz, Span 60 MHz, #Res BW 620 kHz, #VBW 1.8 MHz, #Sweep 10 s (483 pts).

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**22.9. CA Occupied Bandwidth(NTNV)(Subtest:9, Channel:40545|40695, 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
2593	99	26	0.62	Peak	28.44	30.69	30	Pass

Agilent

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

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 60 MHz

#Res BW 620 kHz #VBW 1.8 MHz #Sweep 10 s (483 pts)

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

**28.4423 MHz** x dB -26.00 dB

Transmit Freq Error -28.415 kHz

x dB Bandwidth 30.691 MHz

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**22.10. CA Occupied Bandwidth(NTNV)(Subtest:10, Channel:40545|40695, 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
2593	99	26	0.62	Peak	28.49	30.5	30	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 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 %
28.4880 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-1.088 kHz
<b>x dB Bandwidth</b>	30.505 MHz

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**22.11. CA Occupied Bandwidth(NTNV)(Subtest:11, Channel:40523|40694, 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
2593.1	99	26	0.68	Peak	32.81	36.55	35	Pass

Agilent

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

Ch Freq 2.5931 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.593 10 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>32.8134 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-179.080 kHz	
<b>x dB Bandwidth</b>	36.548 MHz	

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**22.12. CA Occupied Bandwidth(NTNV)(Subtest:12, Channel:40523|40694, 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
2593.1	99	26	0.68	Peak	32.67	35.29	35	Pass

Agilent

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

Ch Freq 2.5931 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 10 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
32.6728 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-175.447 kHz
<b>x dB Bandwidth</b>	35.292 MHz

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**22.13. CA Occupied Bandwidth(NTNV)(Subtest:13, Channel:40546|40717, 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
2592.9	99	26	0.68	Peak	32.82	37.95	35	Pass

Agilent

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

Ch Freq 2.5929 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.592 90 GHz Span 70 MHz  
 #Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
**32.8203 MHz** x dB -26.00 dB

Transmit Freq Error 156.636 kHz  
 x dB Bandwidth 37.953 MHz

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**22.14. CA Occupied Bandwidth(NTNV)(Subtest:14, Channel:40546|40717, 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
2592.9	99	26	0.68	Peak	32.77	36.56	35	Pass

Agilent

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

Ch Freq 2.5929 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.592 90 GHz Span 70 MHz

#Res BW 680 kHz #VBW 2 MHz #Sweep 10 s (514 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
32.7692 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	165.642 kHz	
<b>x dB Bandwidth</b>	36.564 MHz	

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**22.15. CA Occupied Bandwidth(NTNV)(Subtest:15, Channel:40521|40719, 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
2593	99	26	0.82	Peak	37.72	40.4	40	Pass

Agilent

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

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 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 %
37.7239 MHz	<b>x dB</b>	-26.00 dB
Transmit Freq Error	35.593 kHz	
x dB Bandwidth	40.399 MHz	

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**22.16. CA Occupied Bandwidth(NTNV)(Subtest:16, Channel:40521|40719, 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
2593	99	26	0.82	Peak	37.7	42.14	40	Pass

Agilent

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

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 80 MHz

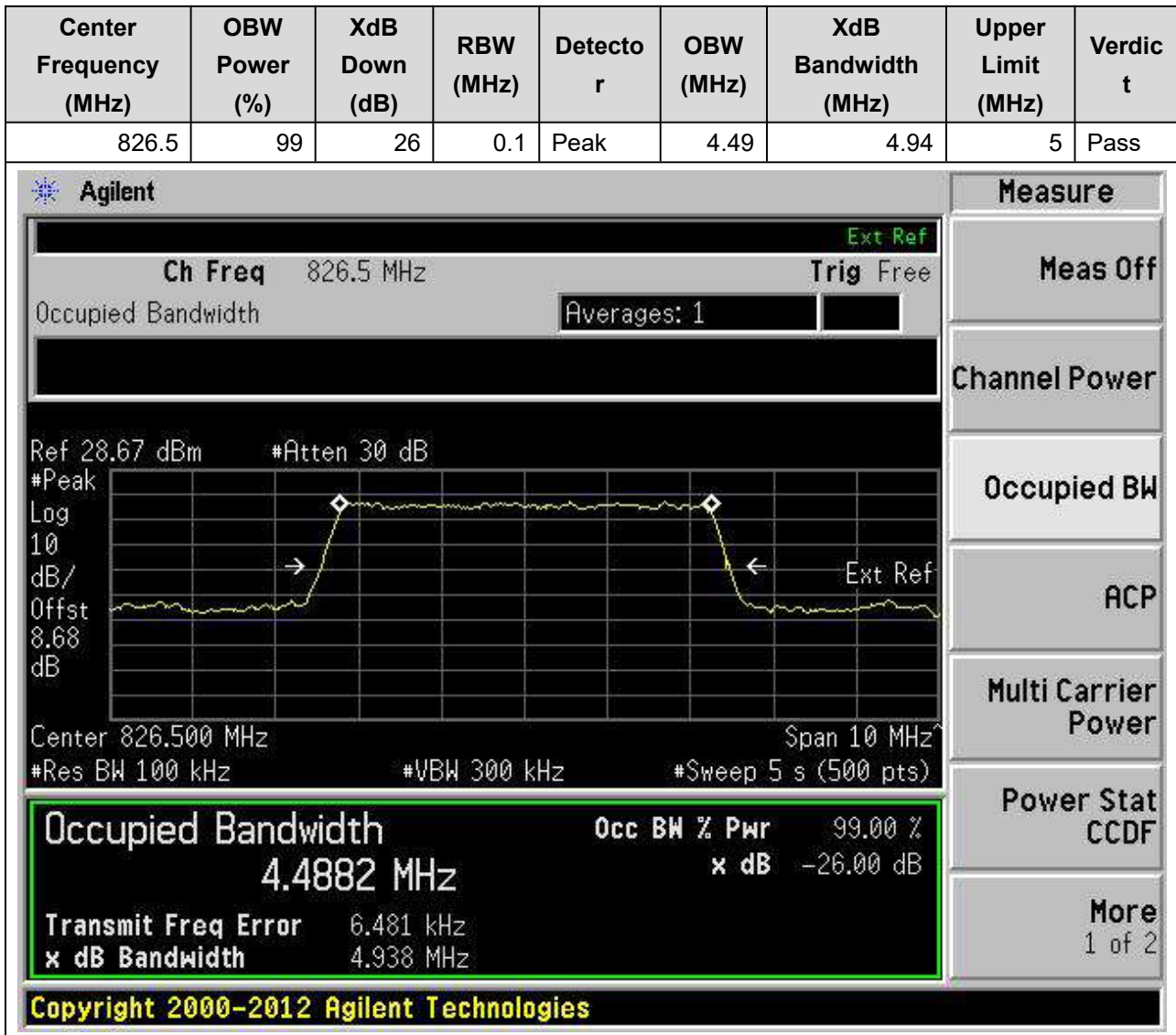
#Res BW 820 kHz #VBW 2.4 MHz #Sweep 10 s (487 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
37.7040 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-25.685 kHz	
<b>x dB Bandwidth</b>	42.136 MHz	

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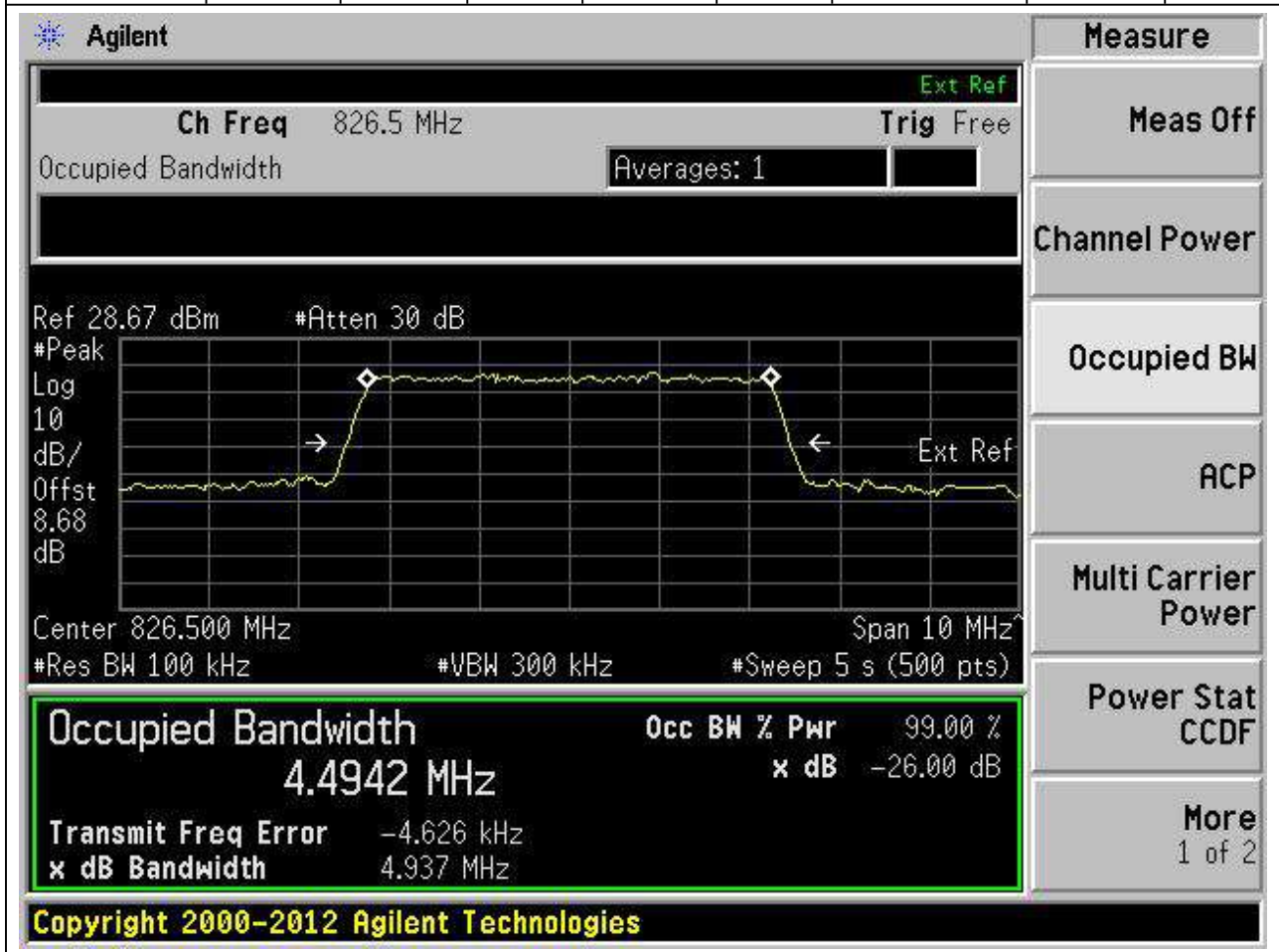
## 23. n5

### 23.1. Occupied Bandwidth for SA(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:25, RB Position:0)



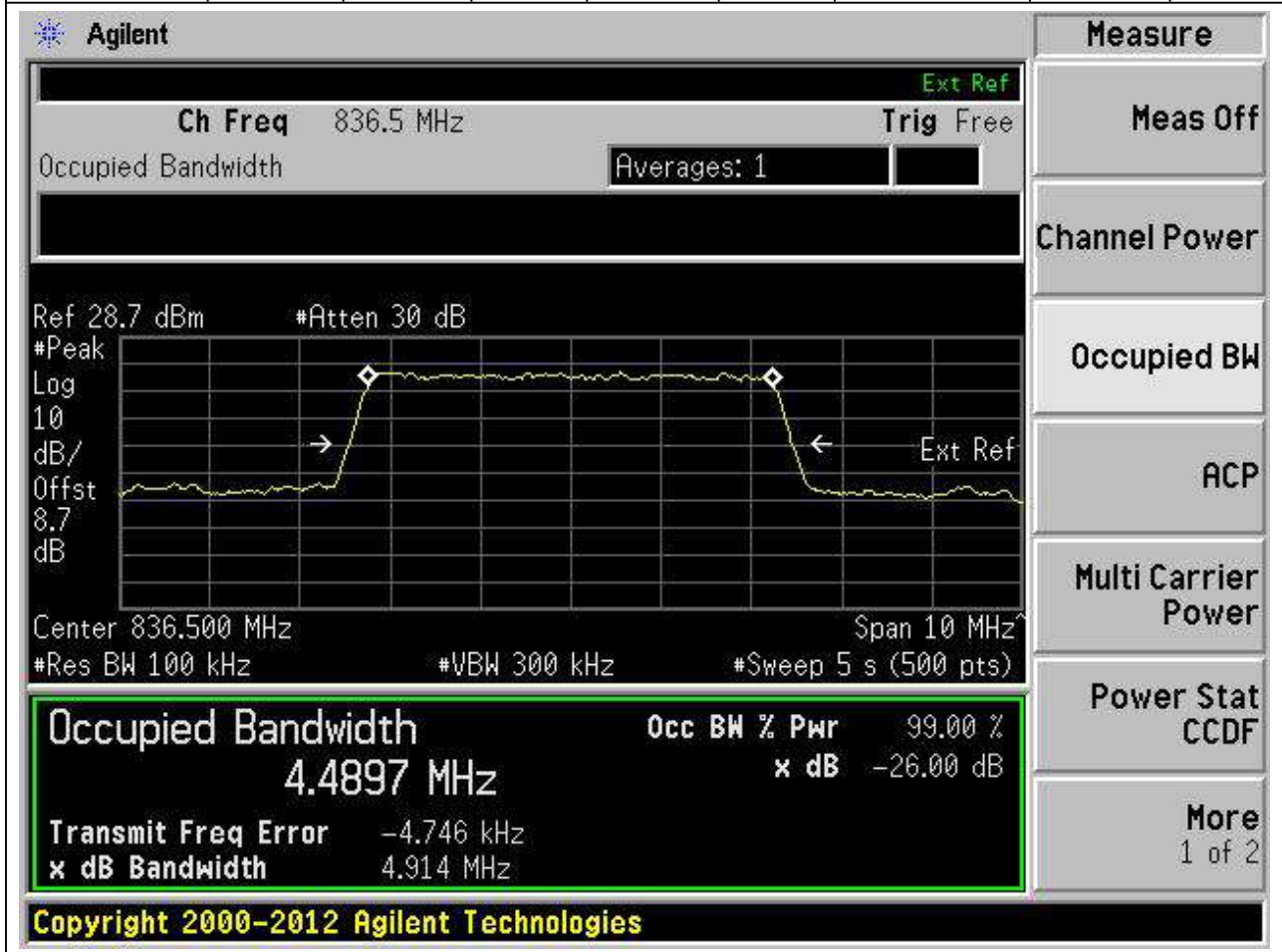
**23.2. Occupied Bandwidth for SA(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	4.94	5	Pass



**23.3. Occupied Bandwidth for SA(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:25, RB Position:0)**

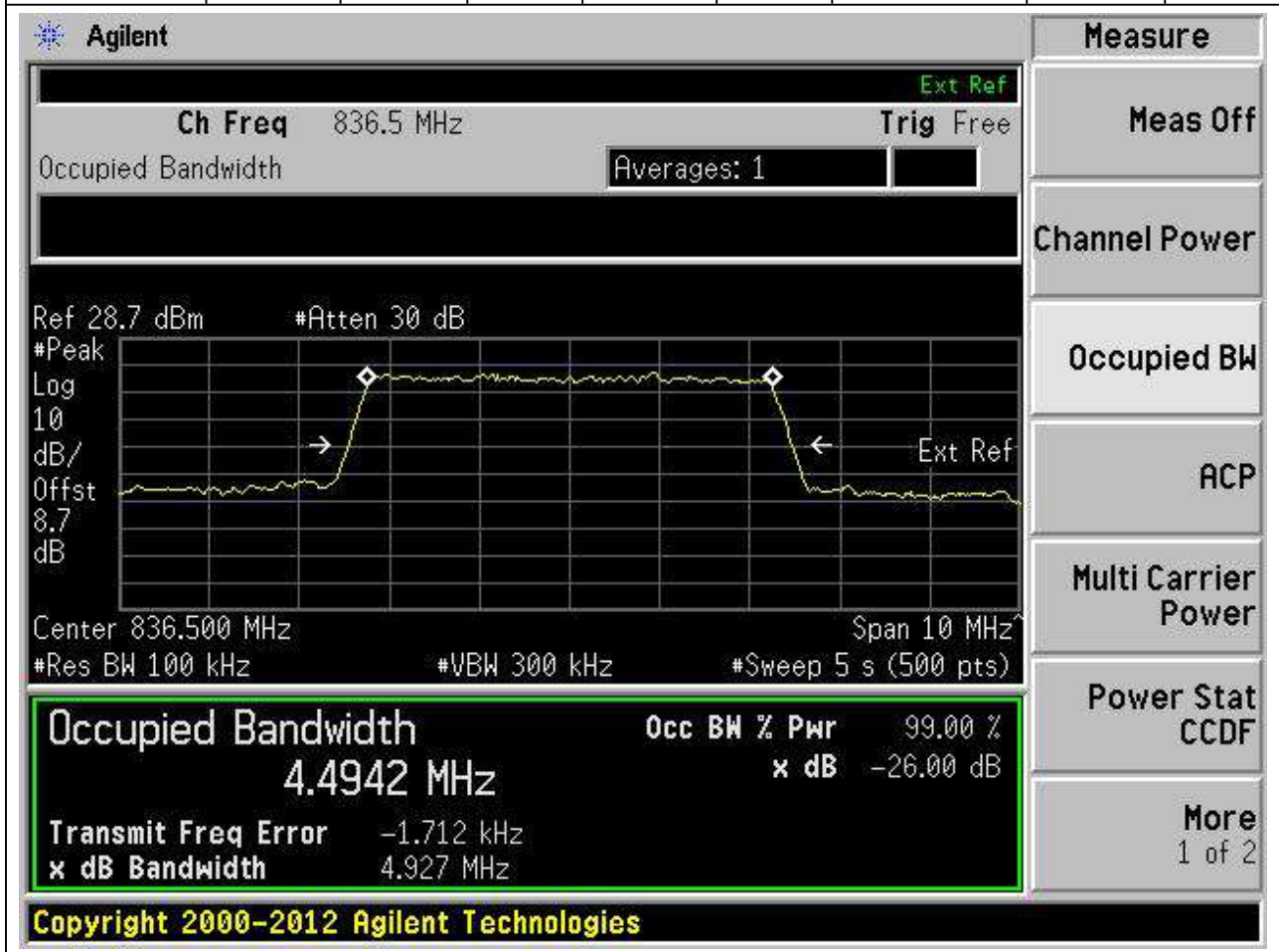
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.91	5	Pass





**23.4. Occupied Bandwidth for SA(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.93	5	Pass



**23.5. Occupied Bandwidth for SA(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.48	4.91	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a peak at 846.5 MHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 4.4764 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include Center 846.500 MHz, Span 10 MHz, Res BW 100 kHz, VBW 300 kHz, and Sweep 5 s (500 pts). 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).

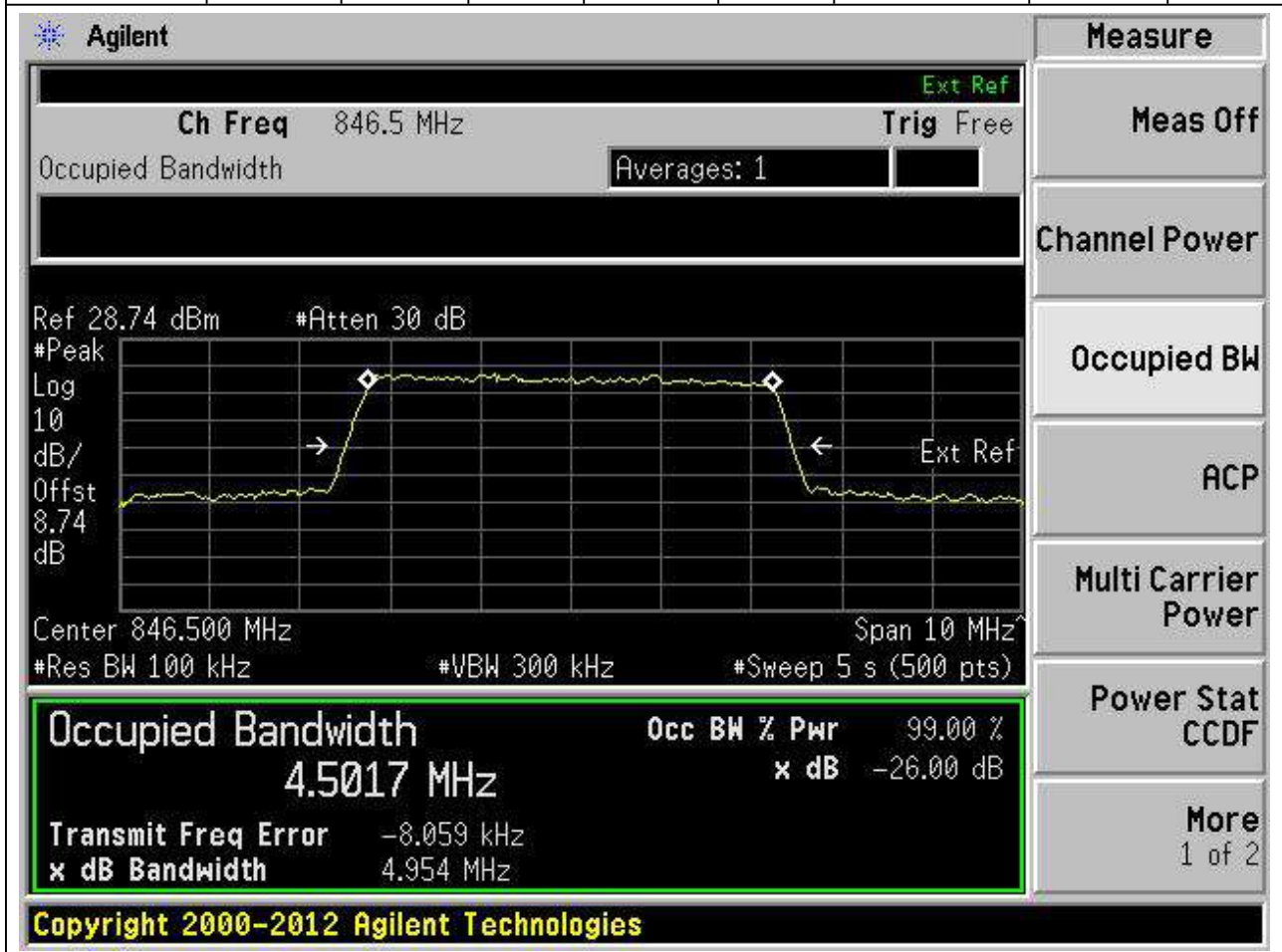
Occupied Bandwidth	Occ BW % Pwr	x dB
4.4764 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -9.240 kHz  
x dB Bandwidth: 4.911 MHz

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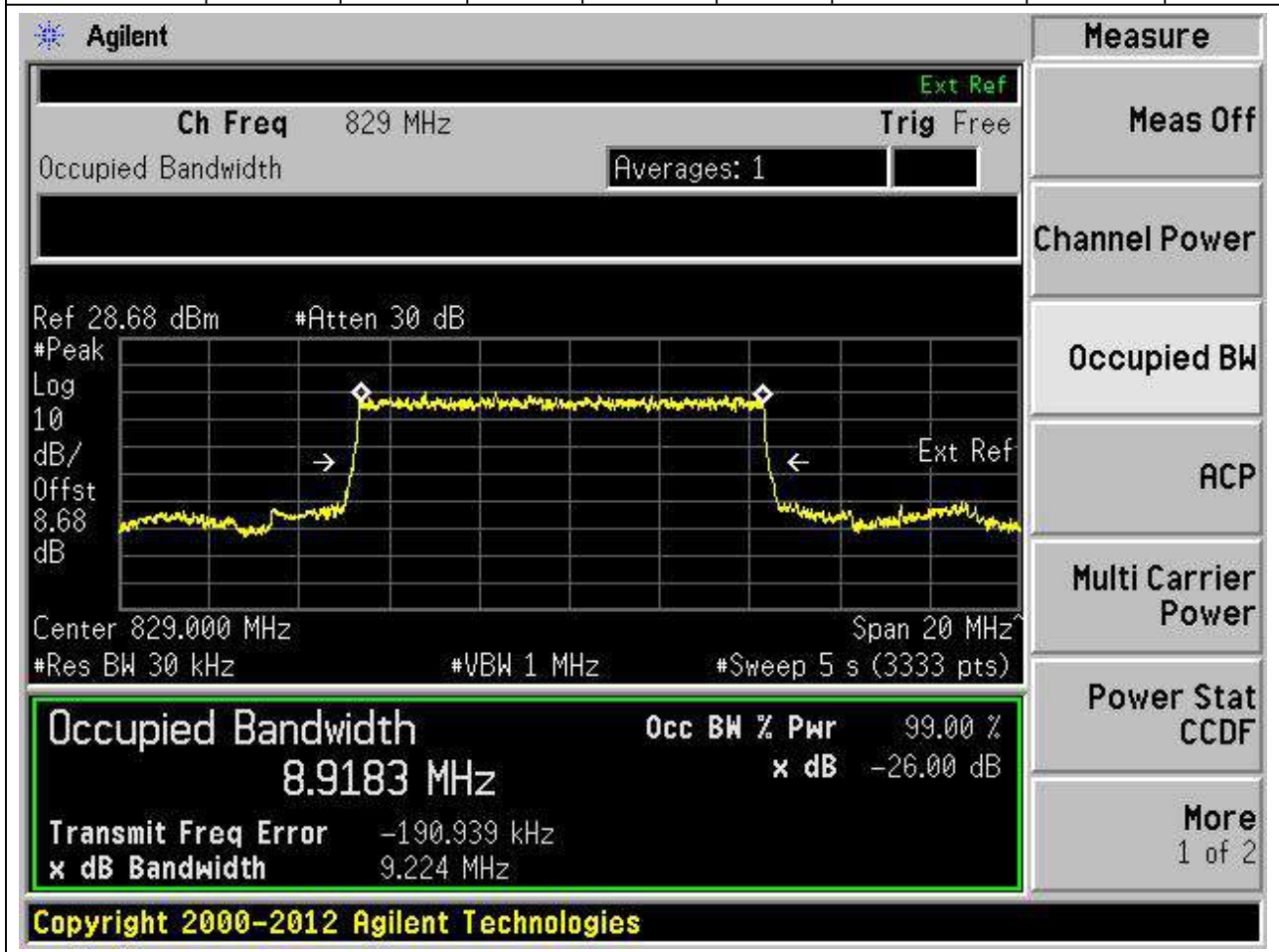
**23.6. Occupied Bandwidth for SA(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.5	4.95	5	Pass



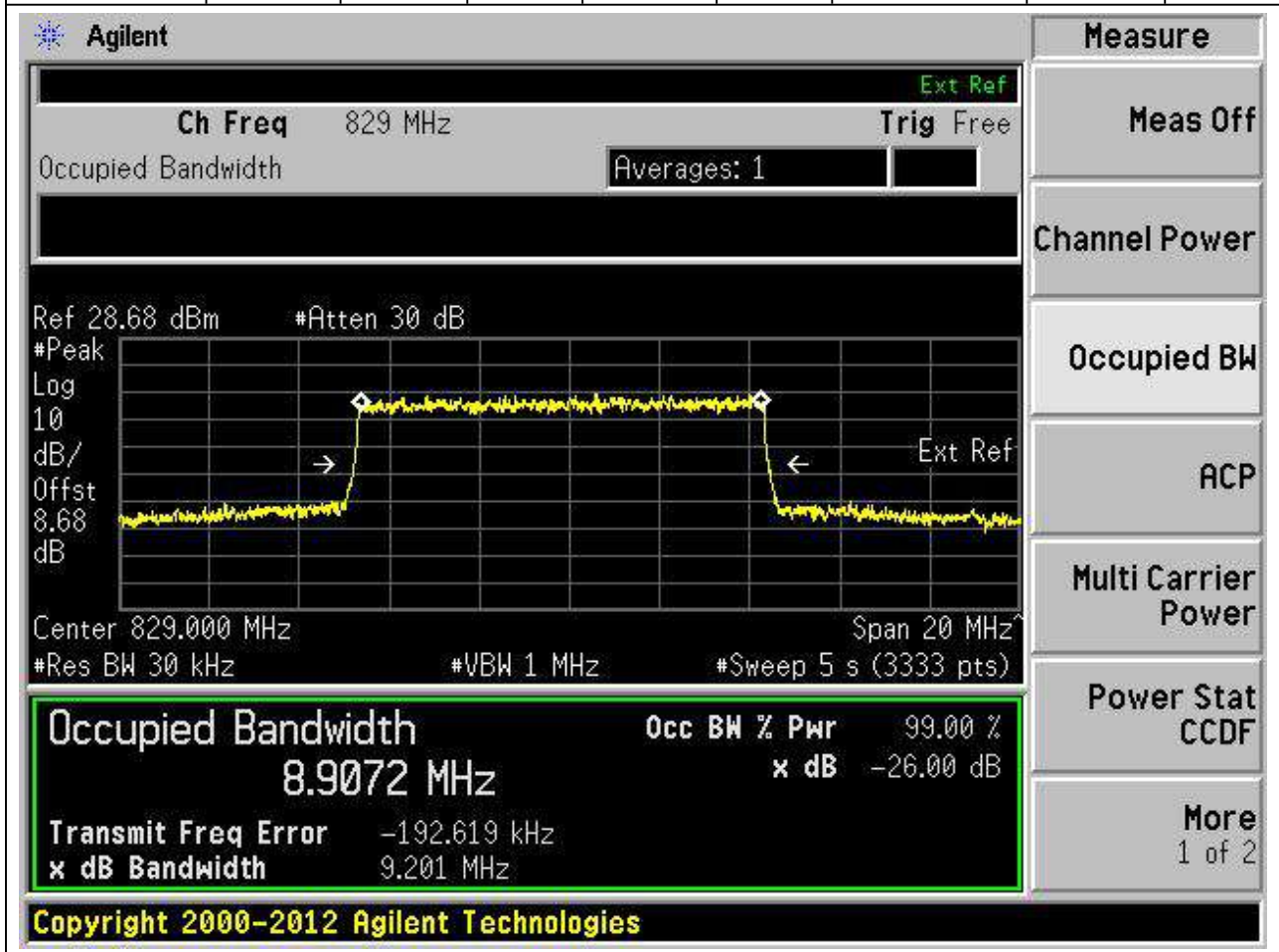
**23.7. Occupied Bandwidth for SA(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	8.92	9.22	10	Pass



**23.8. Occupied Bandwidth for SA(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:50, RB Position:0)**

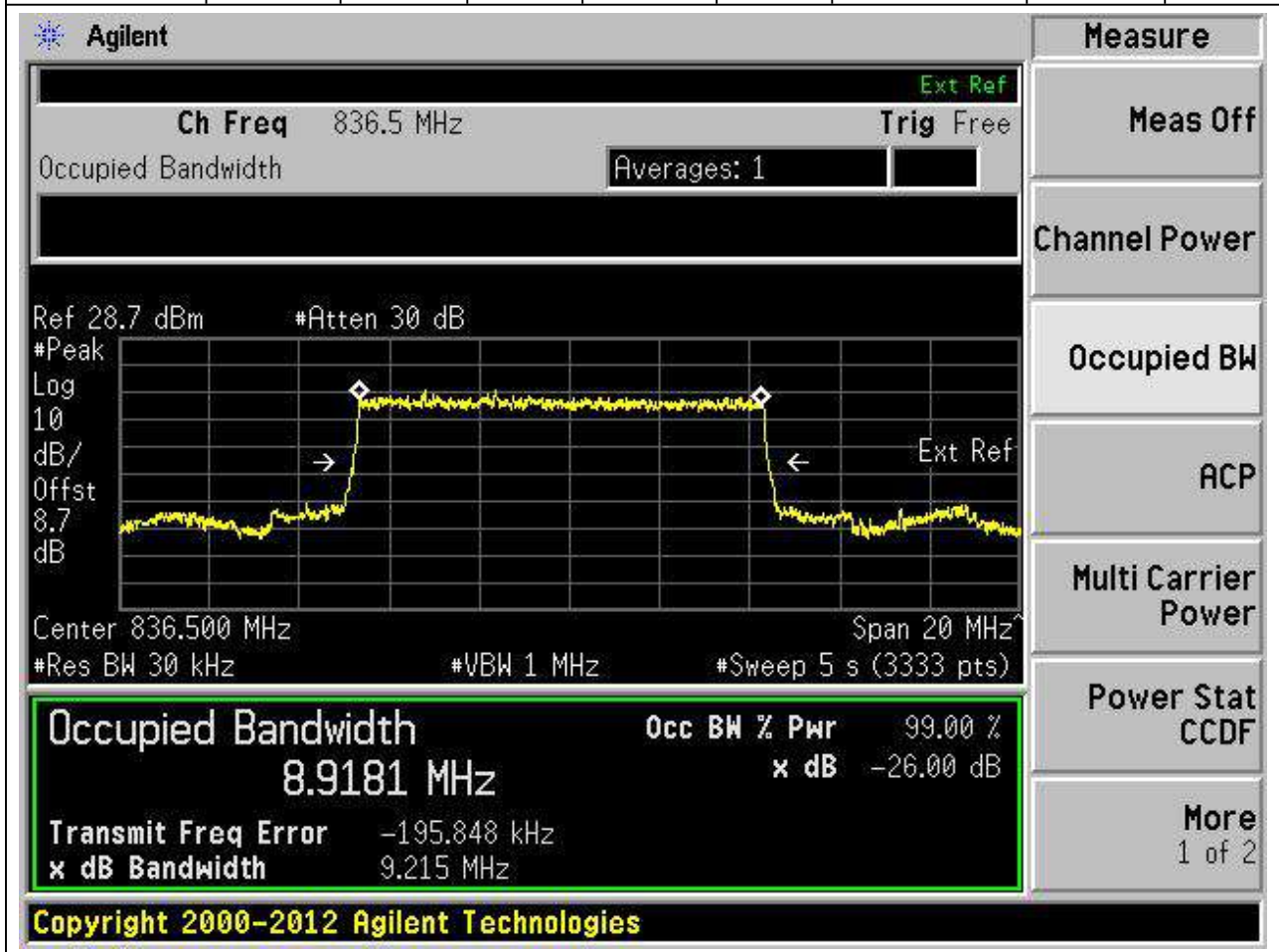
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	8.91	9.2	10	Pass





**23.9. Occupied Bandwidth for SA(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	8.92	9.21	10	Pass



**23.10. Occupied Bandwidth for SA(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:50, RB Position:0)**

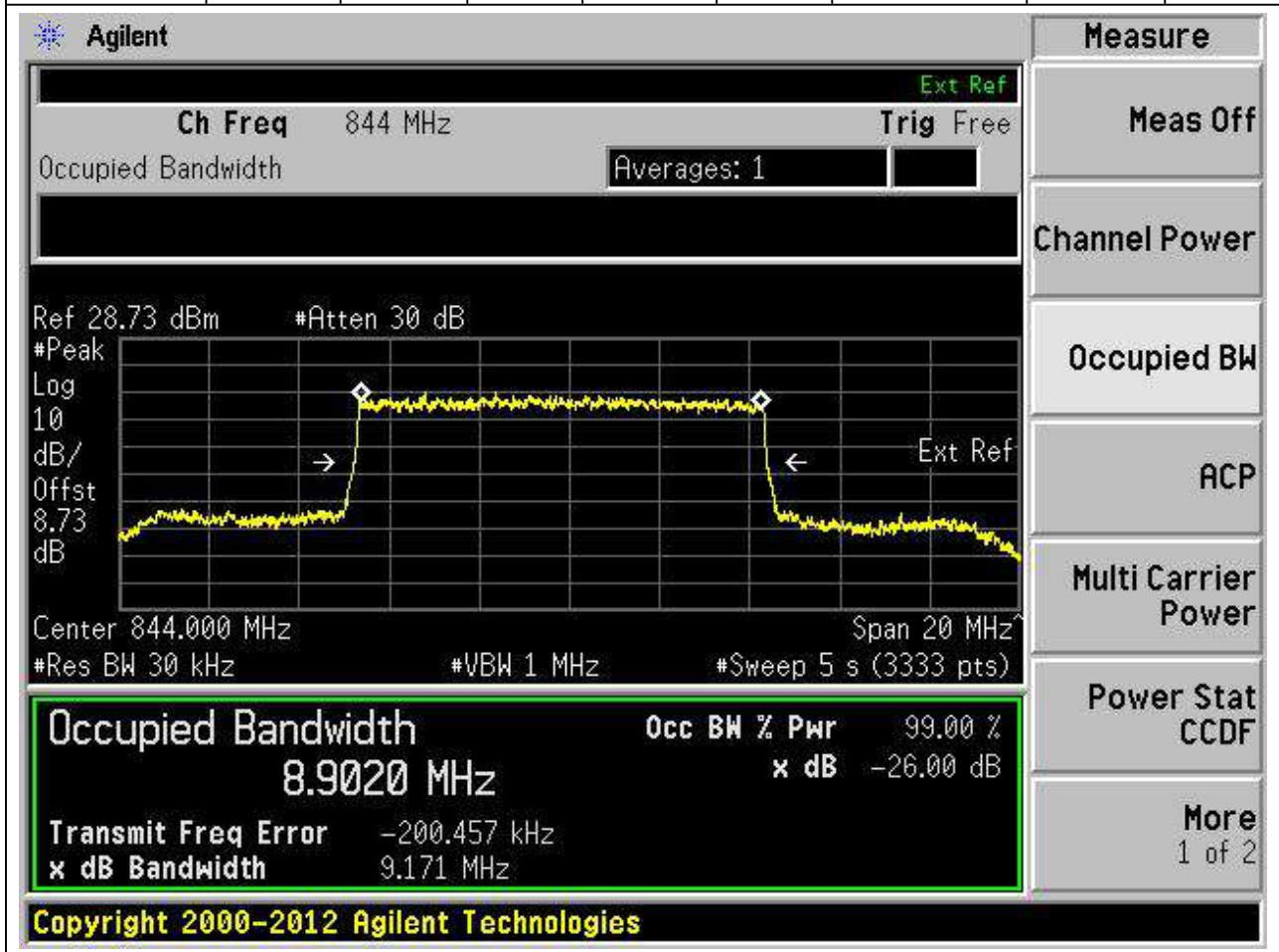
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	8.91	9.25	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 836.500 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.9132 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -200.627 kHz, and the XdB bandwidth is 9.245 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 %
8.9132 MHz	x dB	-26.00 dB
Transmit Freq Error	-200.627 kHz	
x dB Bandwidth	9.245 MHz	

**23.11. Occupied Bandwidth for SA(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	8.9	9.17	10	Pass



**23.12. Occupied Bandwidth for SA(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	8.89	9.25	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 844.000 MHz with a span of 20 MHz. The signal level is approximately 28.73 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 8.8950 MHz, which is 99.00% of the total bandwidth. The XdB bandwidth is 9.246 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -203.142 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'.

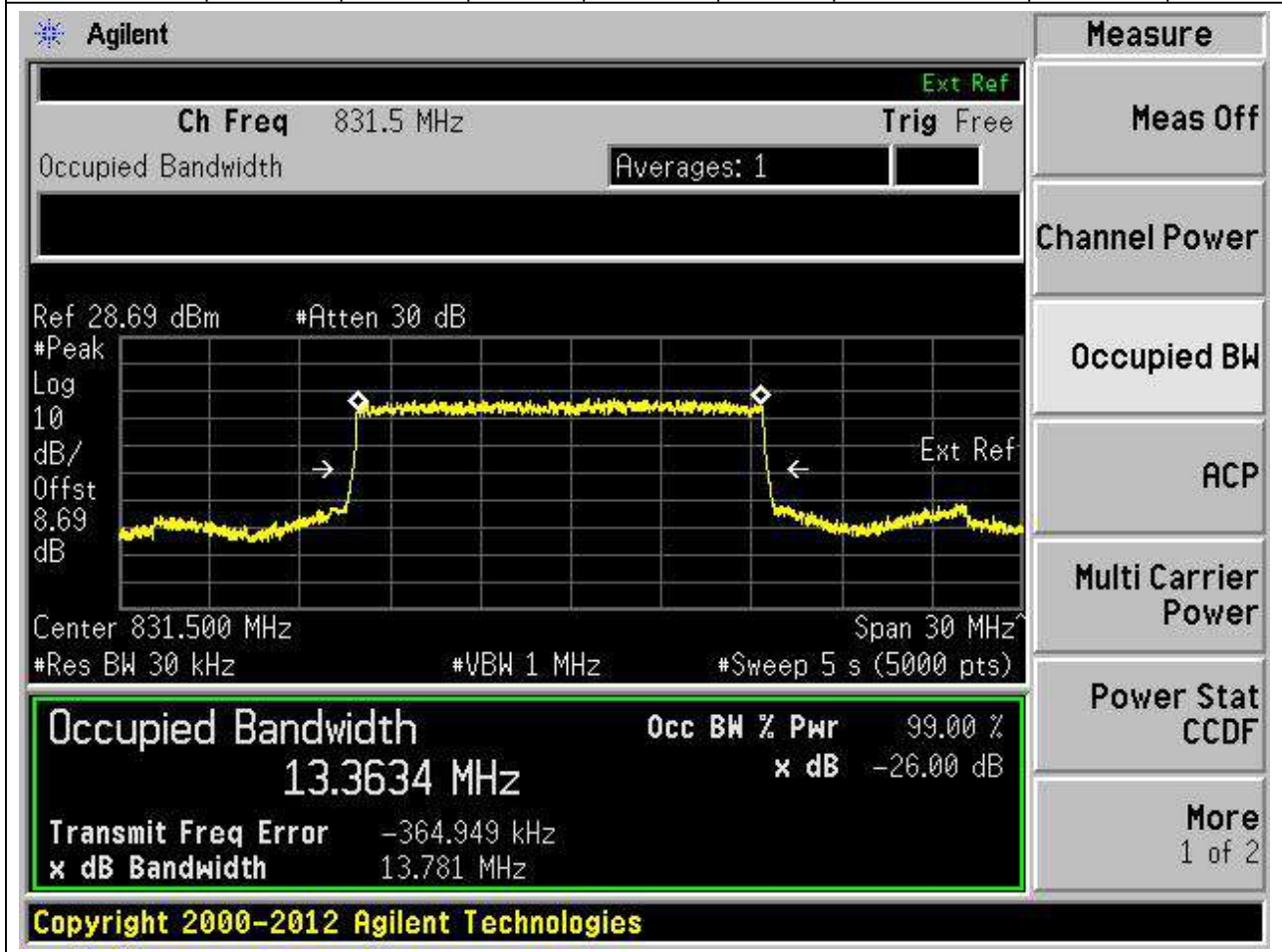
Occupied Bandwidth	Occ BW % Pwr	x dB
8.8950 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -203.142 kHz  
x dB Bandwidth: 9.246 MHz

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**23.13. Occupied Bandwidth for SA(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:75, RB Position:0)**

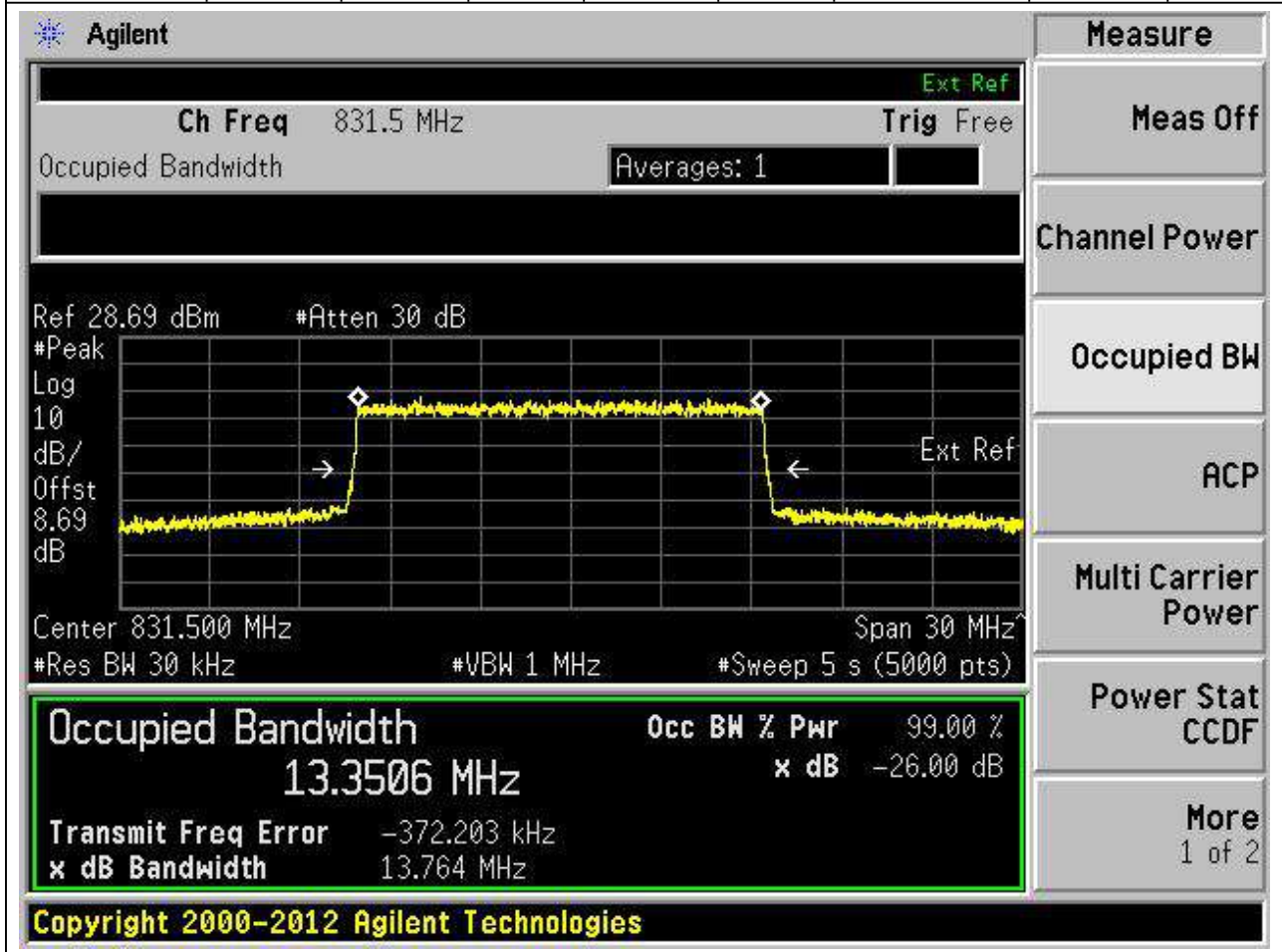
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	13.36	13.78	15	Pass





**23.14. Occupied Bandwidth for SA(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	13.35	13.76	15	Pass



**23.15. Occupied Bandwidth for SA(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:75, RB Position:0)**

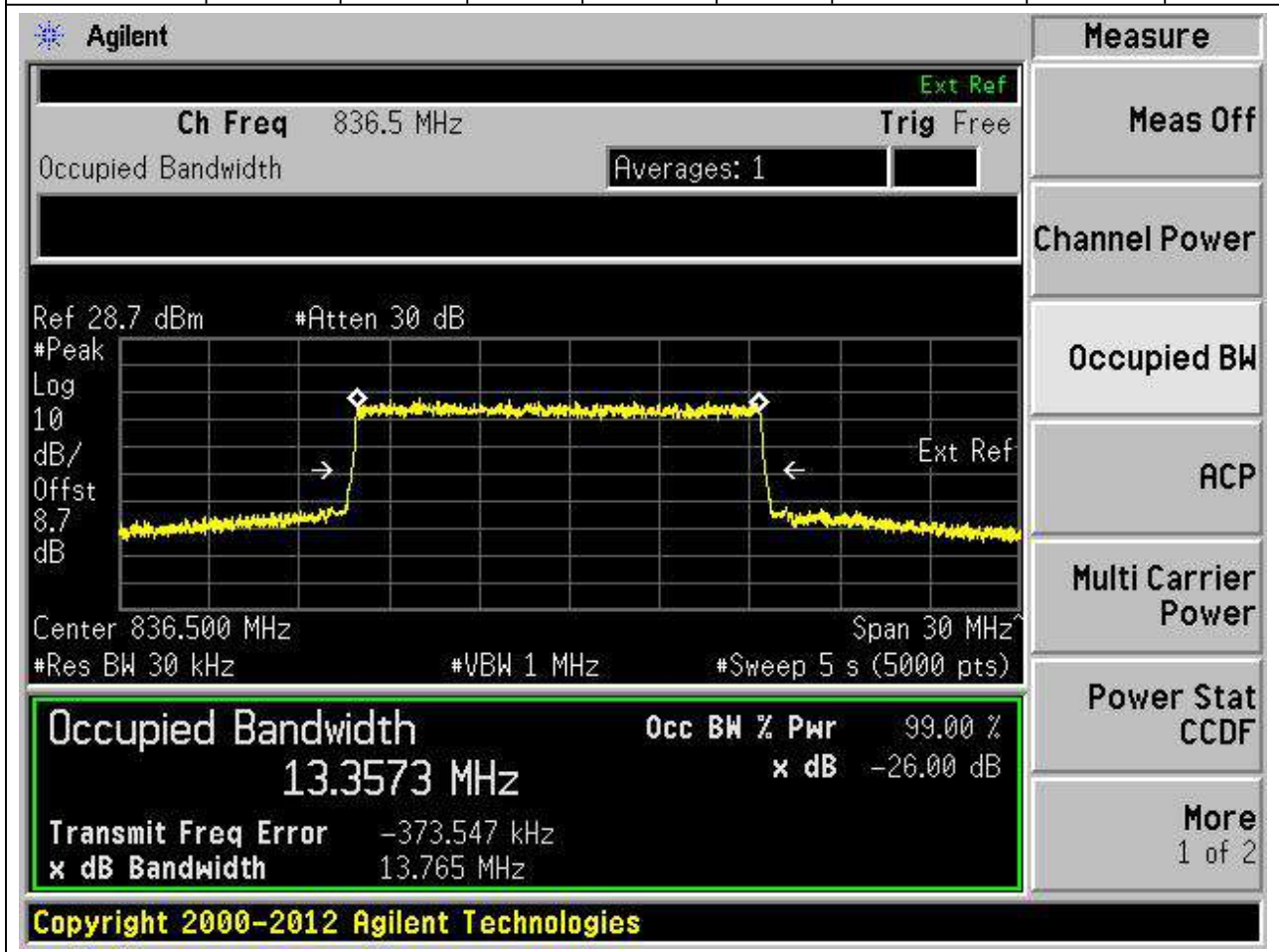
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	13.37	13.81	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 836.500 MHz with a span of 30 MHz. The vertical axis is labeled 'dB' with a peak reference of 28.7 dBm and an attenuation of 30 dB. The horizontal axis is labeled 'MHz'. The plot shows a signal with a bandwidth of approximately 13.37 MHz. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 13.3665 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -365.667 kHz and the 'x dB Bandwidth' is 13.805 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.3665 MHz	99.00 %	-26.00 dB

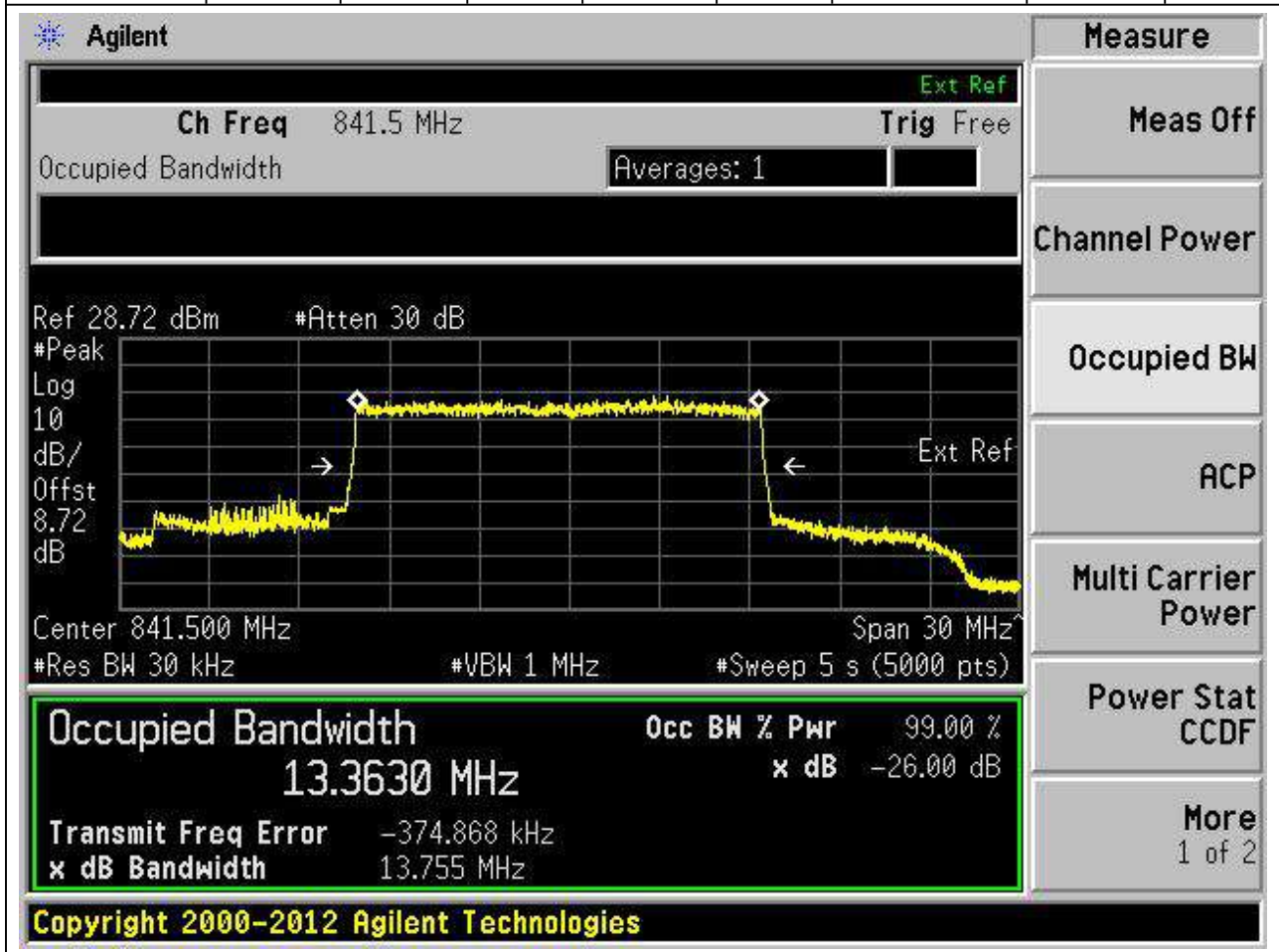
**23.16. Occupied Bandwidth for SA(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	13.36	13.76	15	Pass



**23.17. Occupied Bandwidth for SA(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:Pi/2-BPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	13.36	13.75	15	Pass



**23.18. Occupied Bandwidth for SA(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	13.34	13.77	15	Pass

