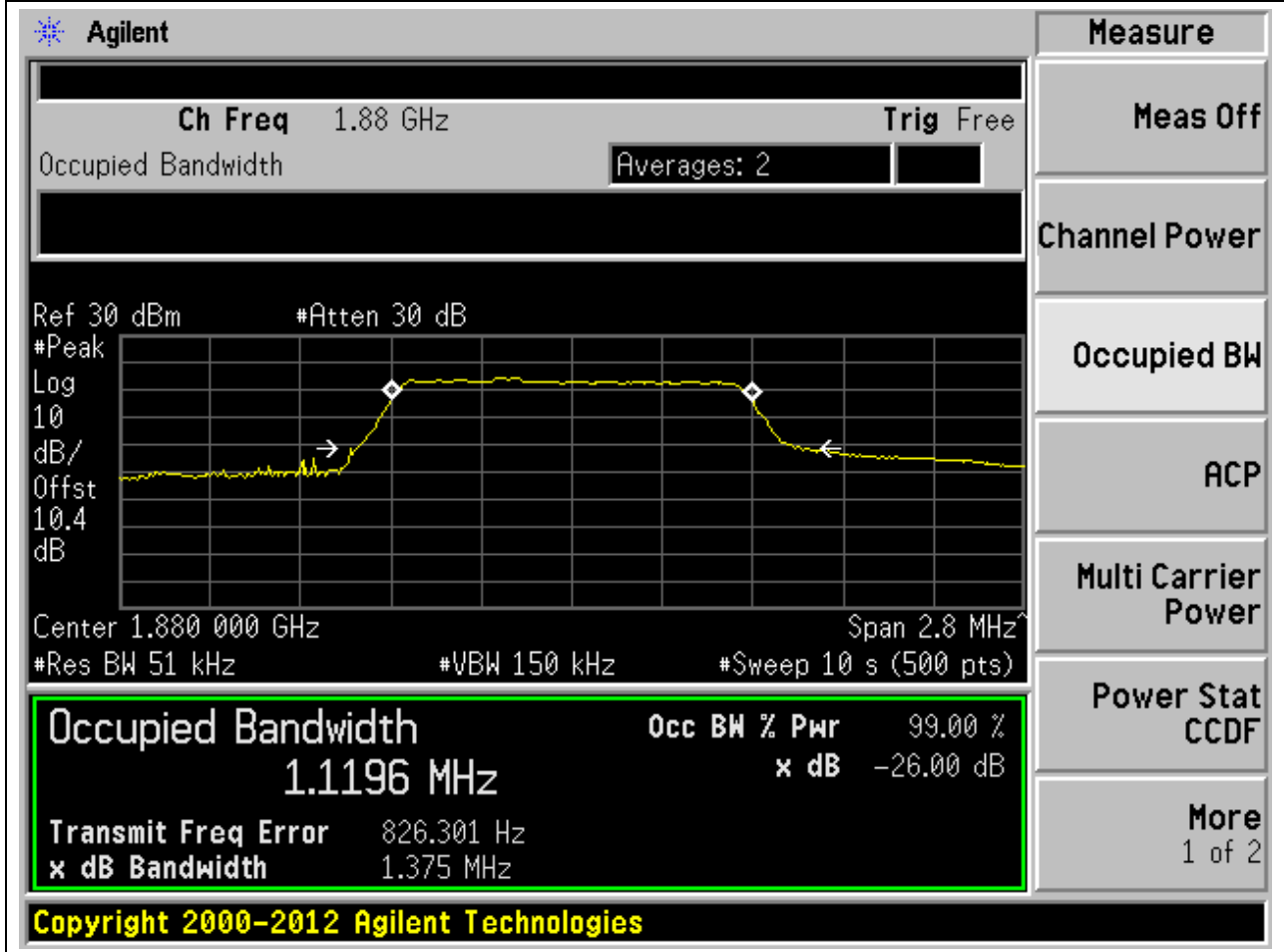


## **Annex A.3 Occupied Bandwidth**

# 1. LTE-M1\_Band2\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

## 1.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

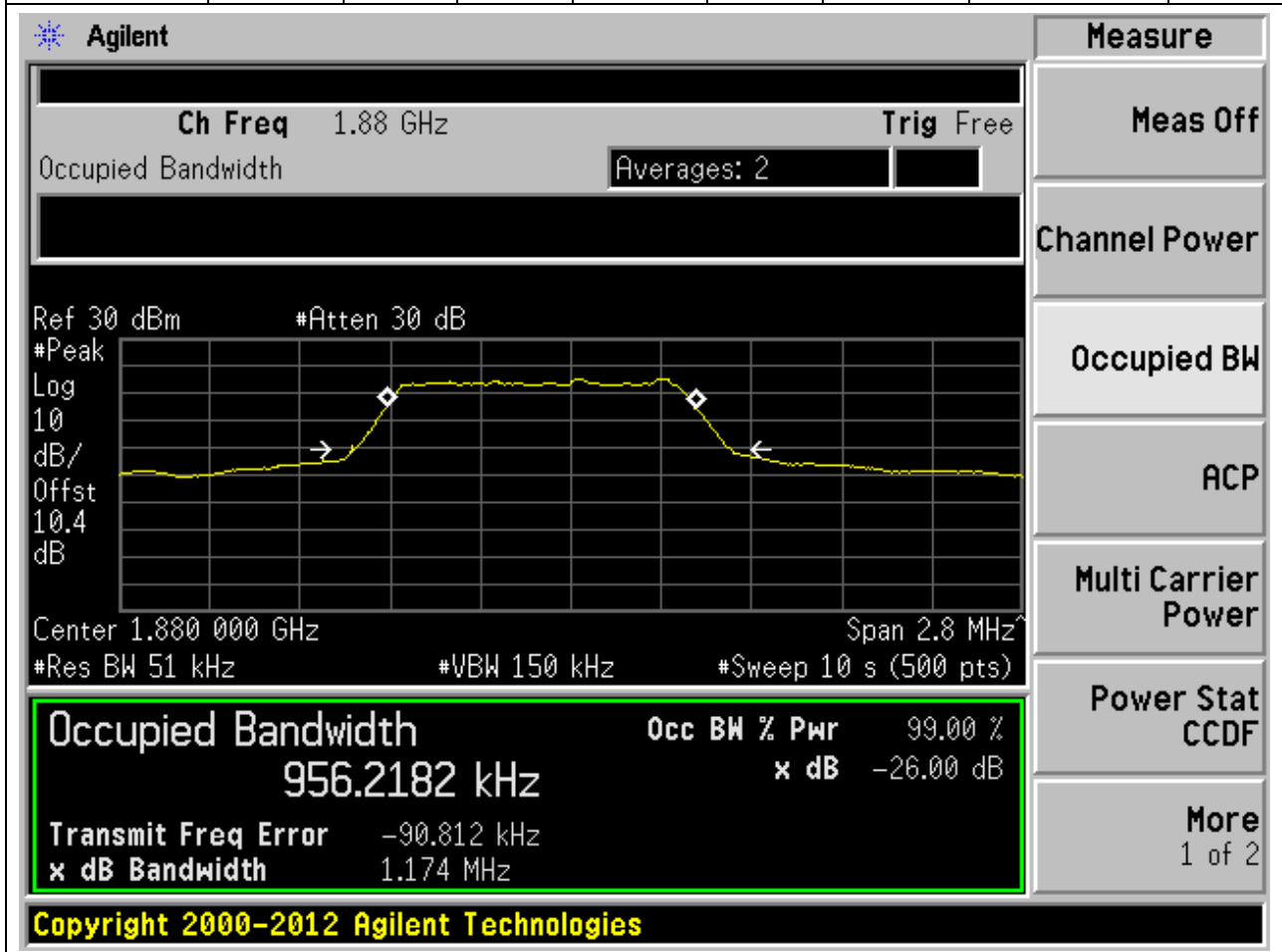
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1880	99.00	26	0.051	Peak	1.4	1.119592	1.374721	Pass



### 1. LTE-M1\_Band2\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

### 1.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1880	99.00	26	0.051	Peak	1.4	0.956218	1.173745	Pass



# 1. LTE-M1\_Band2\_QPSK\_3MHz\_6@0\_Index low\_Mid

## 1.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1879.2	99.00	26	0.051	Peak	1.4	1.132217	1.382694	Pass

Agilent

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

Ch Freq 1.8792 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.879 200 GHz Span 6 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.1322 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	171.785 kHz	
<b>x dB Bandwidth</b>	1.383 MHz	

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# 1. LTE-M1\_Band2\_16QAM\_3MHz\_5@0\_Index low\_Mid

## 1.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1879.2	99.00	26	0.051	Peak	1.4	0.966747	1.170338	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8792 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 '10.4 dB'. The plot shows a signal with a peak and a bandwidth measurement. Below the plot, the following parameters are listed: 'Center 1.879 200 GHz', 'Span 6 MHz', '#Res BW 51 kHz', '#VBW 150 kHz', and '#Sweep 10 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 966.7471 kHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 80.033 kHz' and 'x dB Bandwidth 1.170 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.

# 1. LTE-M1\_Band2\_QPSK\_5MHz\_6@0\_Index low\_Mid

## 1.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1878.2	99.00	26	0.051	Peak	1.4	1.125241	1.397333	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8782 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.878 200 GHz, Span 10 MHz, #Res BW 51 kHz, #VBW 150 kHz, #Sweep 10 s (500 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>1.1252 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	81.820 kHz	
<b>x dB Bandwidth</b>	1.397 MHz	

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

# 1. LTE-M1\_Band2\_16QAM\_5MHz\_5@0\_Index low\_Mid

## 1.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1878.2	99.00	26	0.051	Peak	1.4	0.977825	1.211763	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	977.8250 kHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-8.990 kHz
x dB Bandwidth	1.212 MHz

Additional parameters shown in the interface include: Ch Freq 1.8782 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.4 dB, Center 1.878 200 GHz, Span 10 MHz, #Res BW 51 kHz, #VBW 150 kHz, #Sweep 10 s (500 pts).

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# 1. LTE-M1\_Band2\_QPSK\_10MHz\_6@0\_Index low\_Mid

## 1.7. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1875.7	99.00	26	0.051	Peak	1.4	1.146781	1.367064	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	1.1468 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	526.499 kHz
x dB Bandwidth	1.367 MHz

Additional parameters shown in the interface include: Ch Freq 1.8757 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 10.4 dB, Center 1.875 70 GHz, Span 20 MHz, #Res BW 51 kHz, #VBW 150 kHz, #Sweep 10 s (500 pts).

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# 1. LTE-M1\_Band2\_16QAM\_10MHz\_5@0\_Index low\_Mid

## 1.8. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1875.7	99.00	26	0.051	Peak	1.4	1.0155	1.253296	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 1.8757 GHz with a span of 20 MHz. The vertical axis is labeled 'dB/Offst' with a value of 10.4 dB. The horizontal axis is labeled 'Center' with a value of 1.875 70 GHz. The plot shows a peak at approximately 1.8757 GHz, with two white diamonds marking the edges of the occupied bandwidth. The text 'Occupied Bandwidth' is visible in the top left of the plot area. The plot parameters are: #Res BW 51 kHz, #VBW 150 kHz, #Sweep 10 s (500 pts). The plot is titled 'Ch Freq 1.8757 GHz' and 'Trig Free'. The plot is titled 'Occupied Bandwidth' and 'Averages: 2'. The plot is titled 'Ref 30 dBm' and '#Atten 30 dB'. The plot is titled '#Peak Log' and '10 dB/Offst 10.4 dB'. The plot is titled 'Center 1.875 70 GHz' and 'Span 20 MHz'. The plot is titled '#Res BW 51 kHz' and '#VBW 150 kHz' and '#Sweep 10 s (500 pts)'. The plot is titled 'Occupied Bandwidth' and 'Occ BW % Pwr 99.00 %' and 'x dB -26.00 dB'. The plot is titled 'Transmit Freq Error 432.565 kHz' and 'x dB Bandwidth 1.253 MHz'. The plot is titled 'Copyright 2000-2012 Agilent Technologies'. The plot is titled 'Measure' and 'Meas Off' and 'Channel Power' and 'Occupied BW' and 'ACP' and 'Multi Carrier Power' and 'Power Stat CCDF' and 'More 1 of 2'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0155 MHz	x dB	-26.00 dB
Transmit Freq Error	432.565 kHz	
x dB Bandwidth	1.253 MHz	

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# 1. LTE-M1\_Band2\_QPSK\_15MHz\_6@0\_Index low\_Mid

## 1.9. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1873.2	99.00	26	0.051	Peak	1.4	1.181287	1.400822	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.8732 GHz. The main display shows a spectrum plot with a peak at approximately 1.8732 GHz. The occupied bandwidth is measured as 1.1813 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 773.017 kHz and the XdB bandwidth is 1.401 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.1813 MHz	x dB	-26.00 dB
Transmit Freq Error	773.017 kHz	
x dB Bandwidth	1.401 MHz	

# 1. LTE-M1\_Band2\_16QAM\_15MHz\_5@0\_Index low\_Mid

## 1.10. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1873.2	99.00	26	0.051	Peak	1.4	1.008872	1.278316	Pass

Agilent

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

Ch Freq 1.8732 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.873 20 GHz Span 30 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.0089 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 690.475 kHz	
<b>x dB Bandwidth</b> 1.278 MHz	

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# 1. LTE-M1\_Band2\_QPSK\_20MHz\_6@0\_Index low\_Mid

## 1.11. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1870.7	99.00	26	0.051	Peak	1.4	1.199412	1.456208	Pass

Agilent

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

Ch Freq 1.8707 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.870 70 GHz Span 40 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

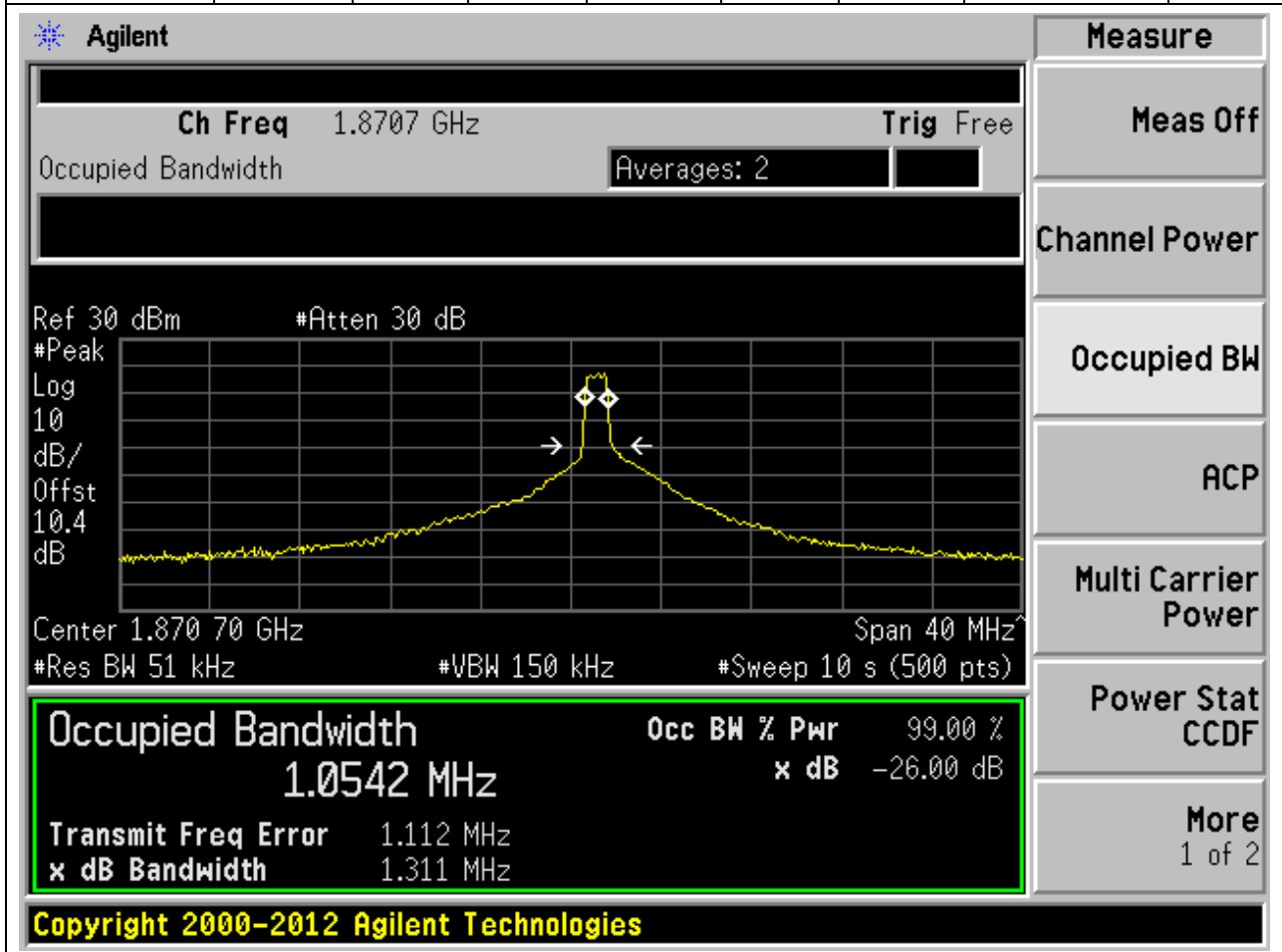
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.1994 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	1.196 MHz	
<b>x dB Bandwidth</b>	1.456 MHz	

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## 11. LTE-M1\_Band2\_16QAM\_20MHz\_5@0\_Index low\_Mid

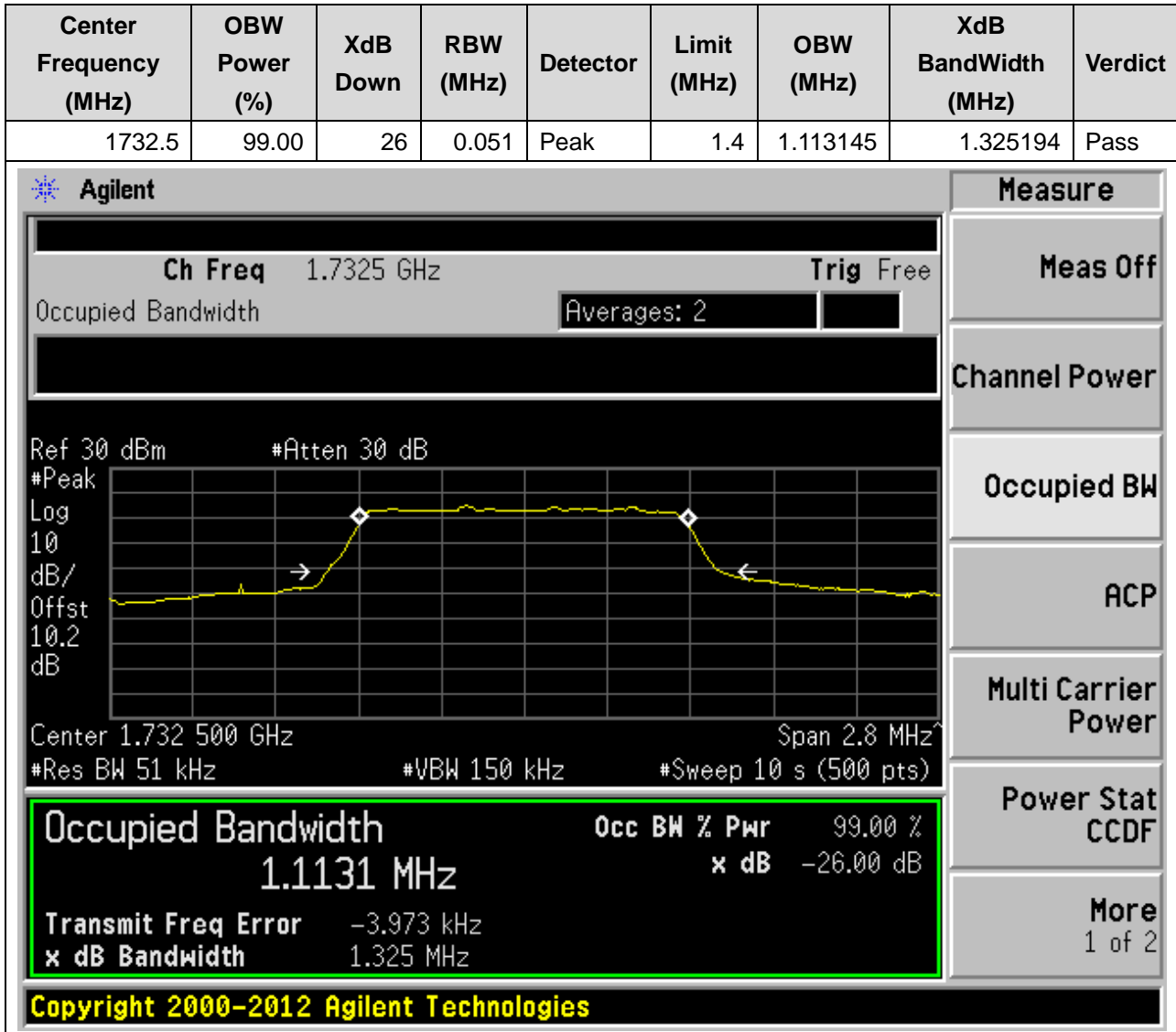
### 11.12. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1870.7	99.00	26	0.051	Peak	1.4	1.0542	1.310887	Pass



## 2. LTE-M1\_Band4\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

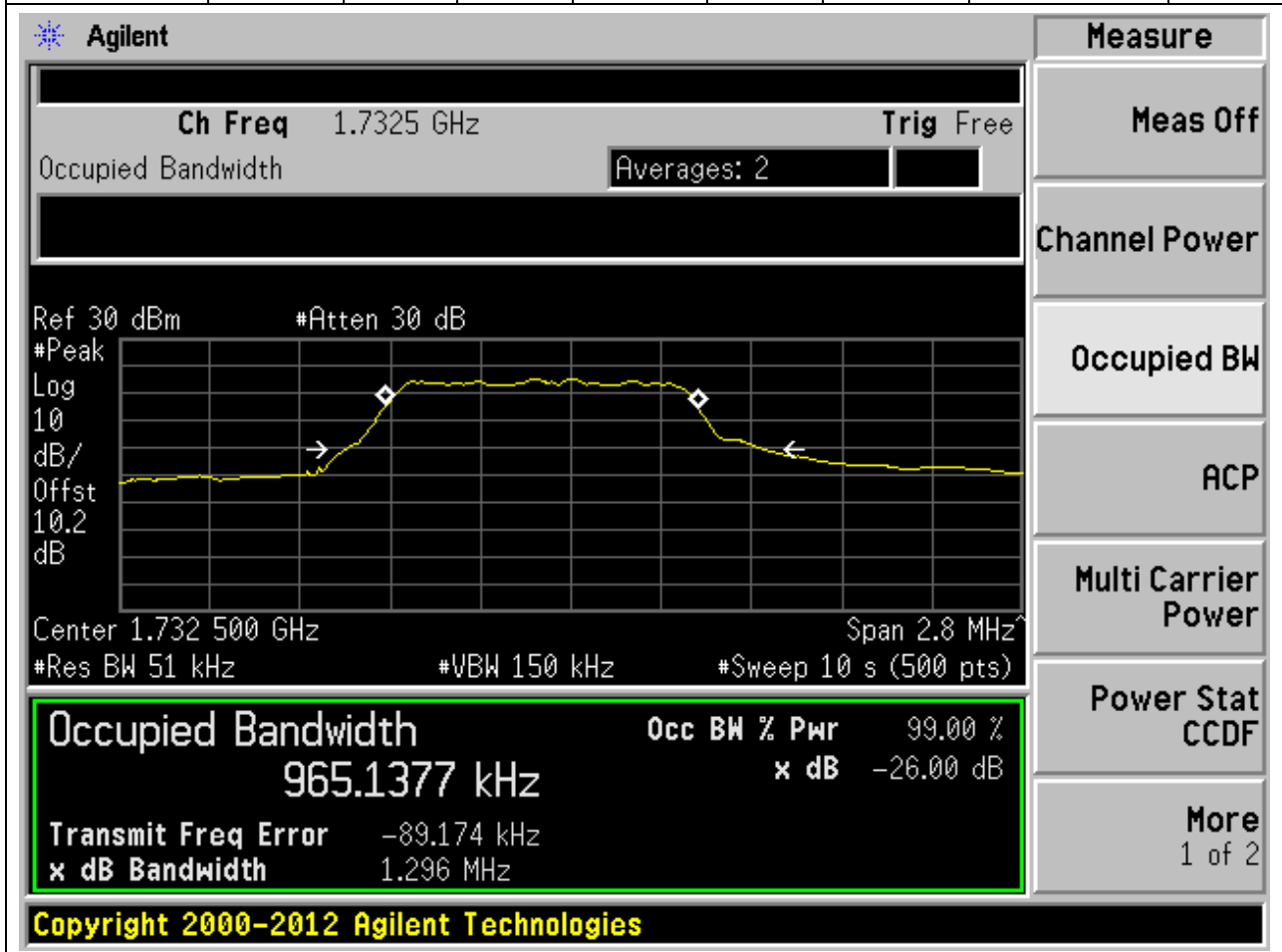
### 2.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 2. LTE-M1\_Band4\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

### 2.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

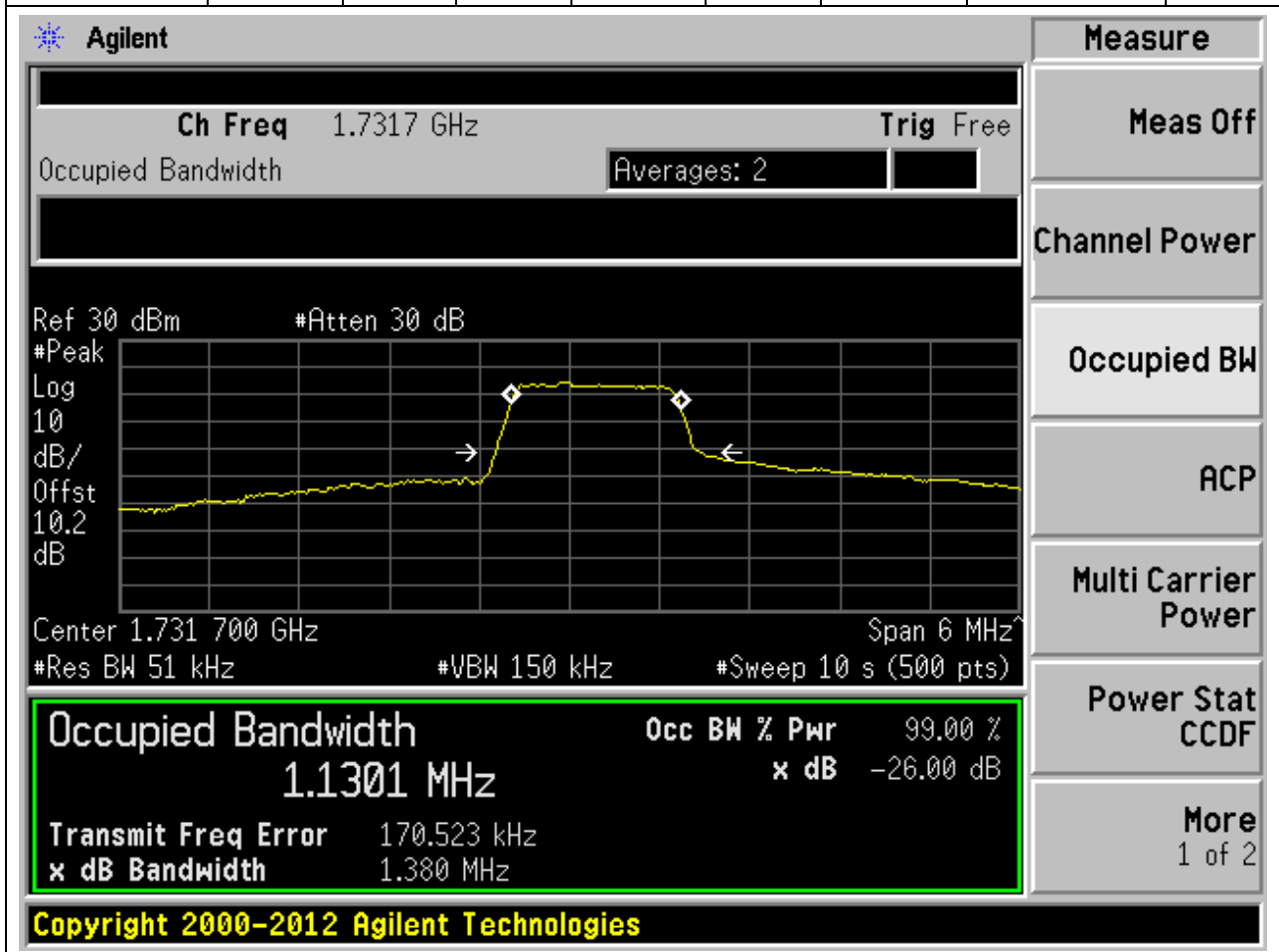
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1732.5	99.00	26	0.051	Peak	1.4	0.965138	1.296134	Pass



## 2. LTE-M1\_Band4\_QPSK\_3MHz\_6@0\_Index low\_Mid

### 2.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1731.7	99.00	26	0.051	Peak	1.4	1.130146	1.379944	Pass



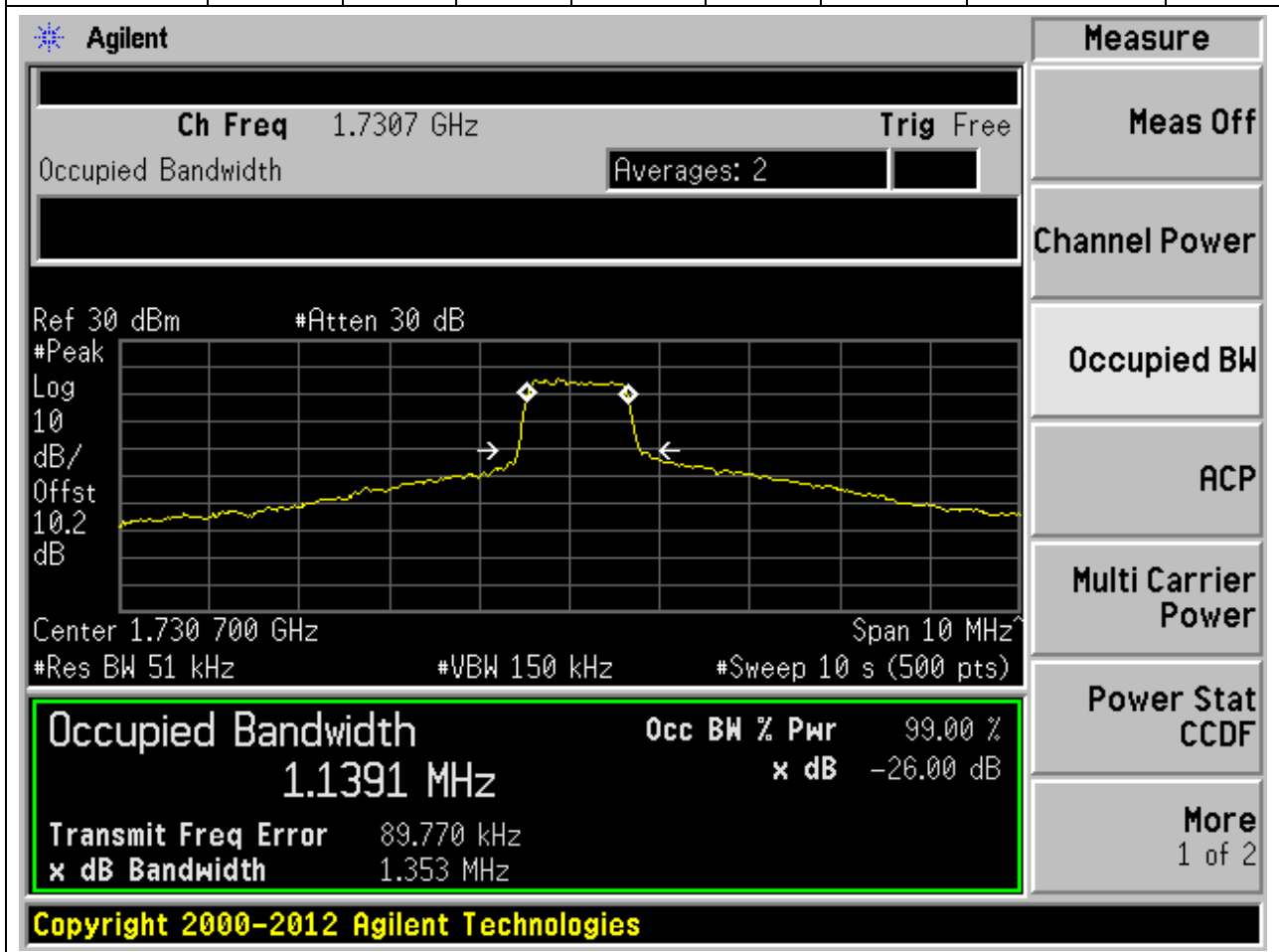




## 2. LTE-M1\_Band4\_QPSK\_5MHz\_6@0\_Index low\_Mid

### 2.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

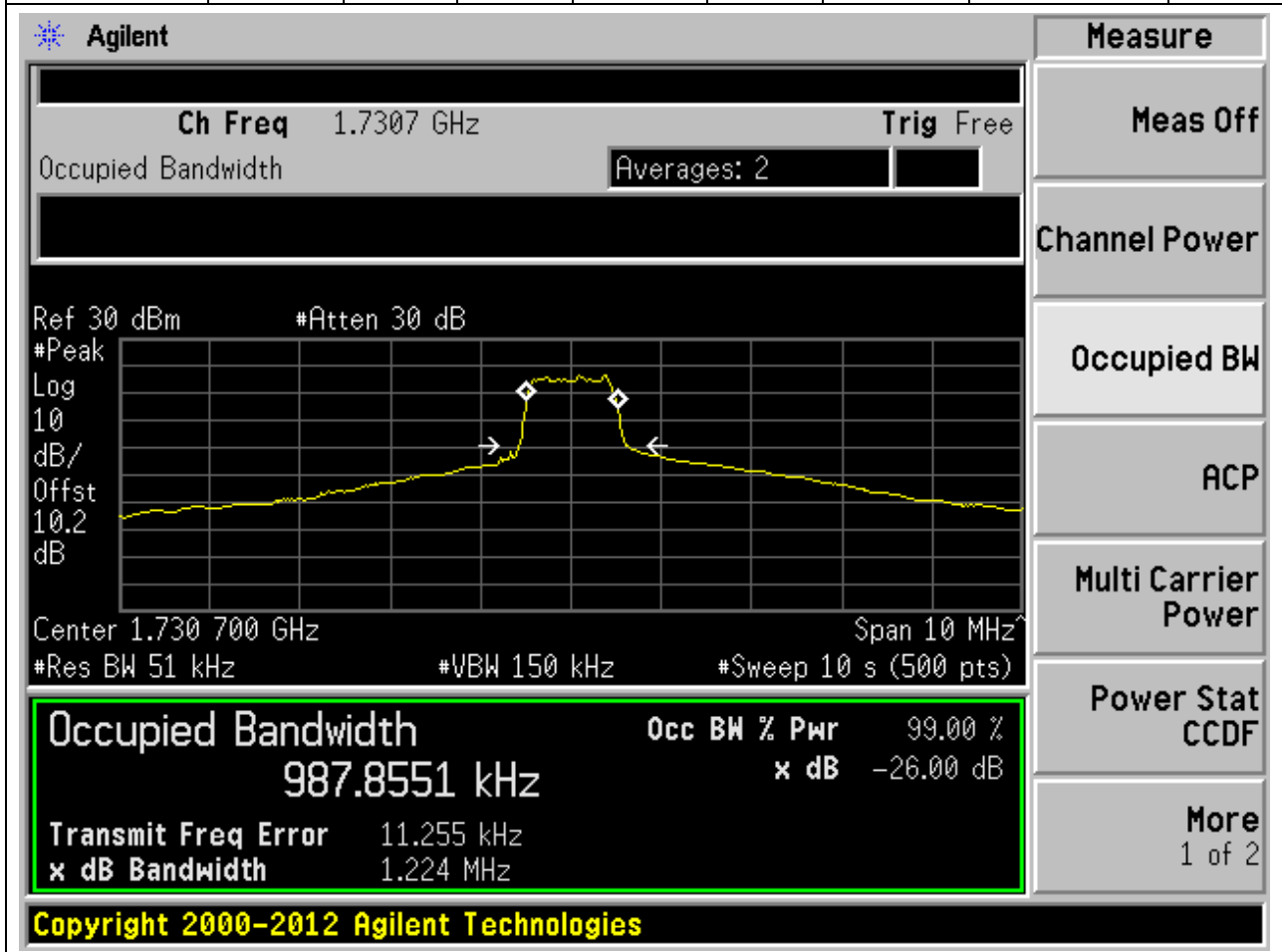
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1730.7	99.00	26	0.051	Peak	1.4	1.139083	1.353418	Pass



## 2. LTE-M1\_Band4\_16QAM\_5MHz\_5@0\_Index low\_Mid

### 2.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

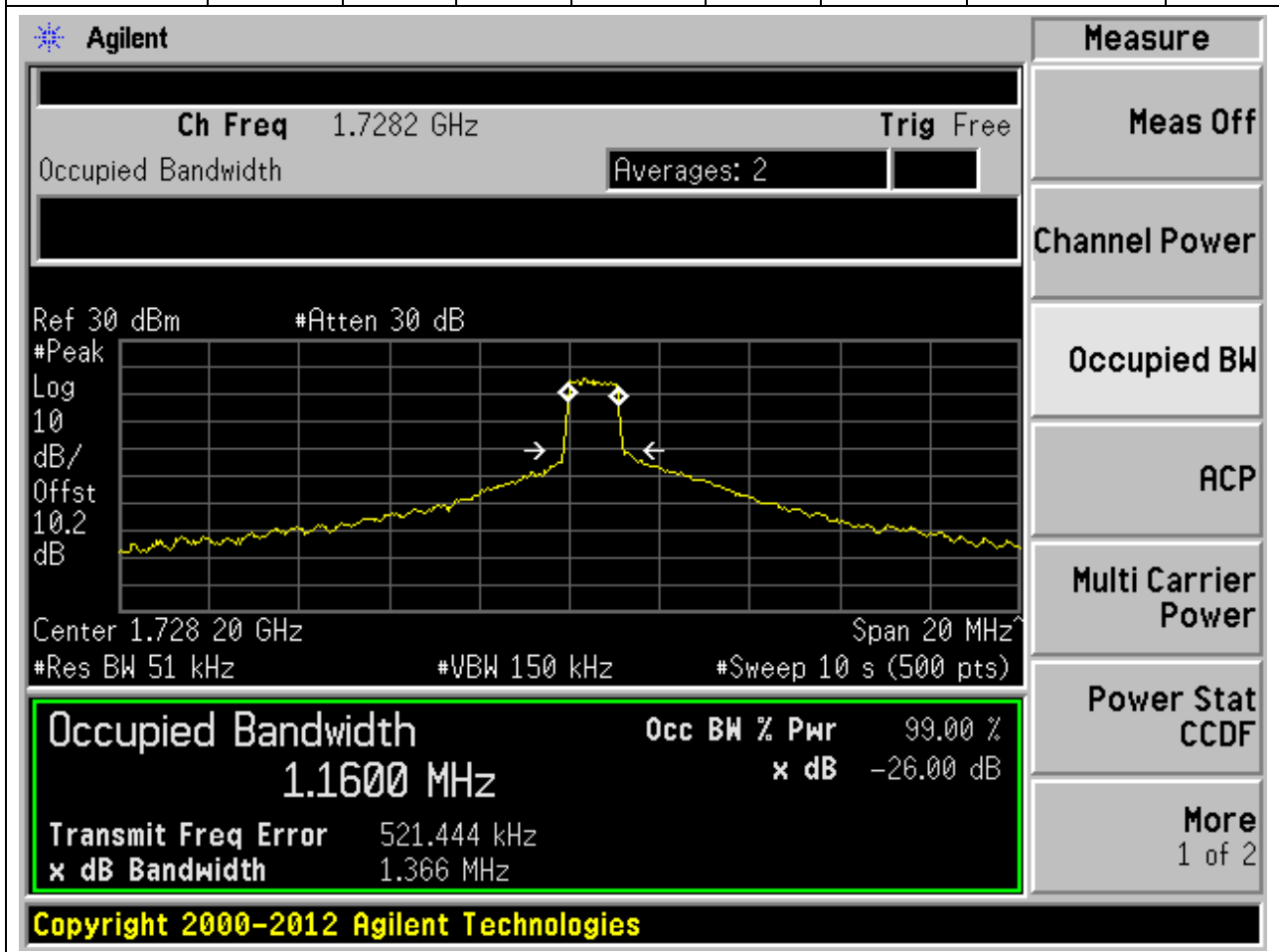
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1730.7	99.00	26	0.051	Peak	1.4	0.987855	1.22409	Pass



## 2. LTE-M1\_Band4\_QPSK\_10MHz\_6@0\_Index low\_Mid

### 2.7. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1728.2	99.00	26	0.051	Peak	1.4	1.159978	1.366102	Pass

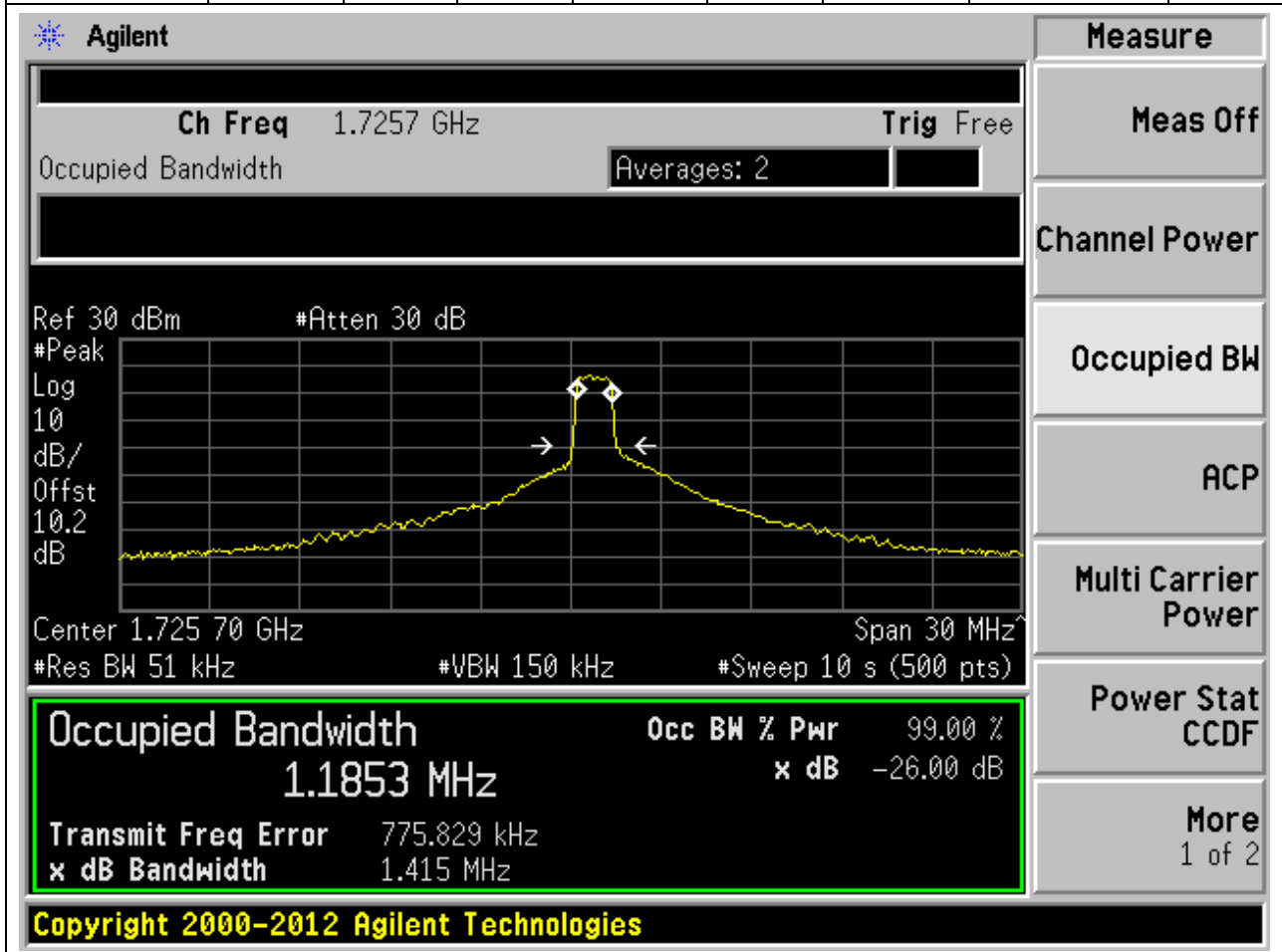




## 2. LTE-M1\_Band4\_QPSK\_15MHz\_6@0\_Index low\_Mid

### 2.9. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

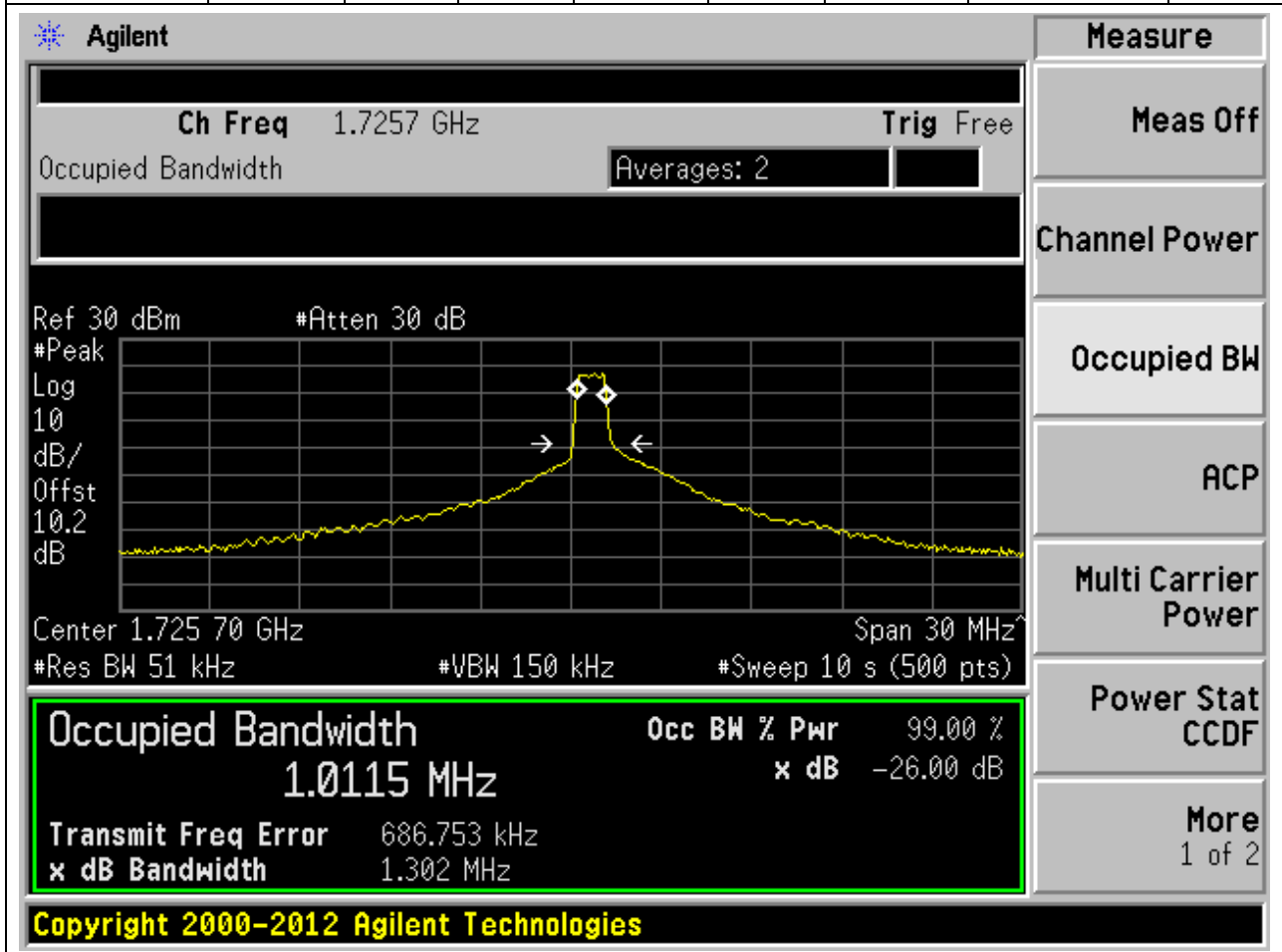
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1725.7	99.00	26	0.051	Peak	1.4	1.185329	1.415076	Pass



## 2. LTE-M1\_Band4\_16QAM\_15MHz\_5@0\_Index low\_Mid

### 2.10. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

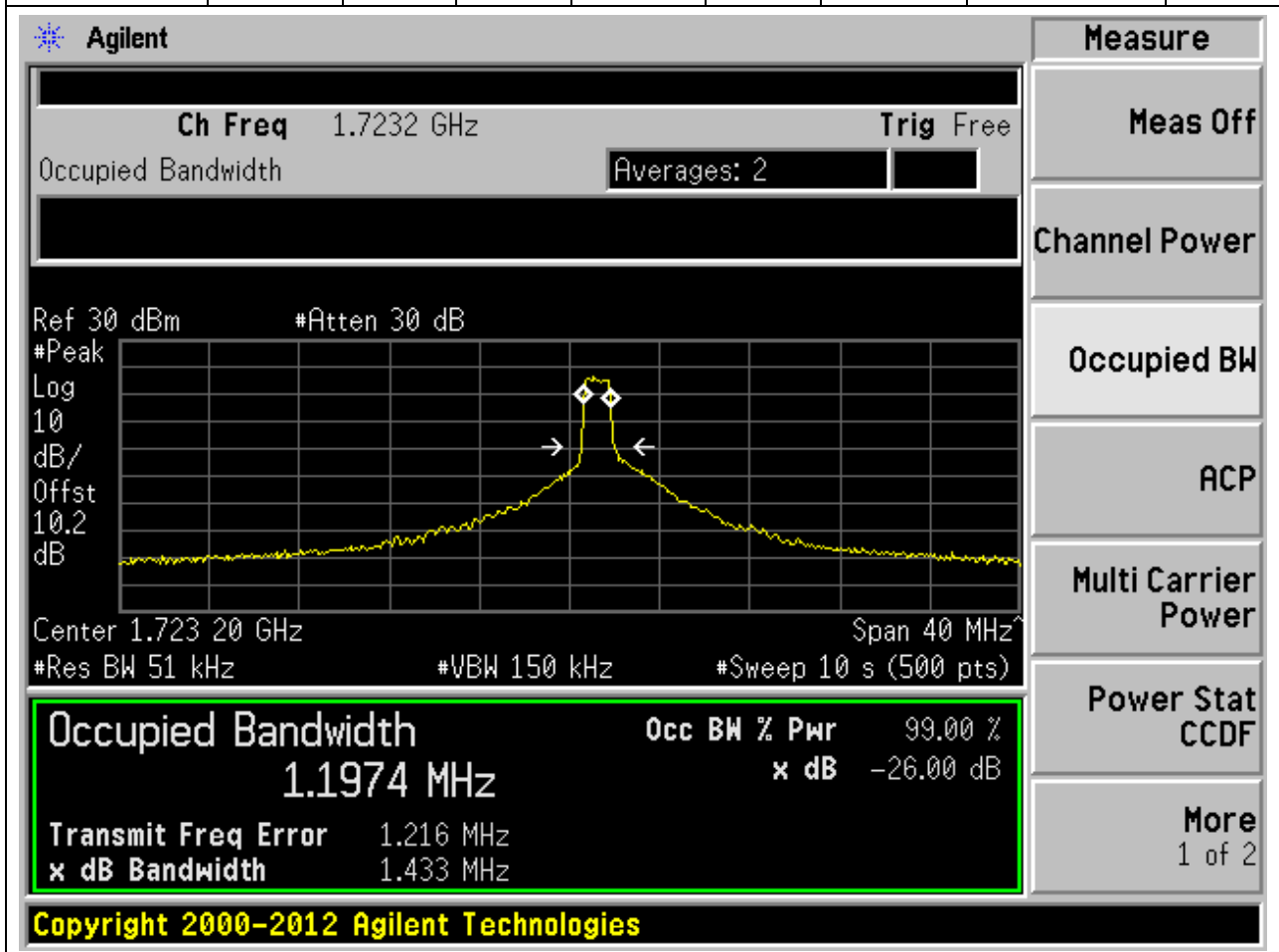
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1725.7	99.00	26	0.051	Peak	1.4	1.011491	1.302008	Pass



## 2. LTE-M1\_Band4\_QPSK\_20MHz\_6@0\_Index low\_Mid

### 2.11. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1723.2	99.00	26	0.051	Peak	1.4	1.197442	1.43302	Pass

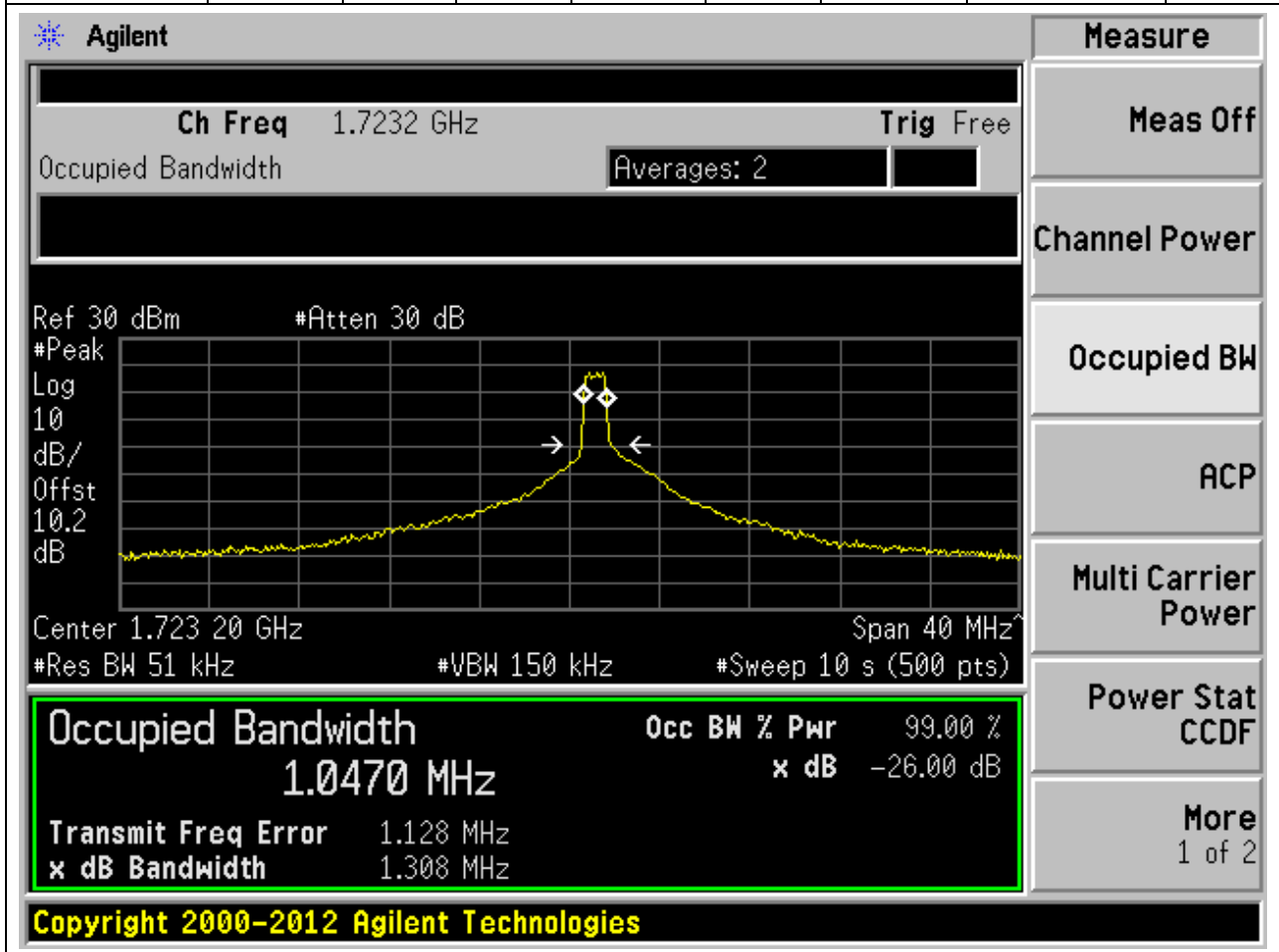




## 2. LTE-M1\_Band4\_16QAM\_20MHz\_5@0\_Index low\_Mid

### 2.12. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1723.2	99.00	26	0.051	Peak	1.4	1.046992	1.307787	Pass



### 3. LTE-M1\_Band5\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

#### 3.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
836.5	99.00	26	0.051	Peak	1.4	1.118356	1.393375	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.89 dB

Center 836.500 MHz Span 2.8 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

1.1184 MHz x dB -26.00 dB

Transmit Freq Error 428.629 Hz

x dB Bandwidth 1.393 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

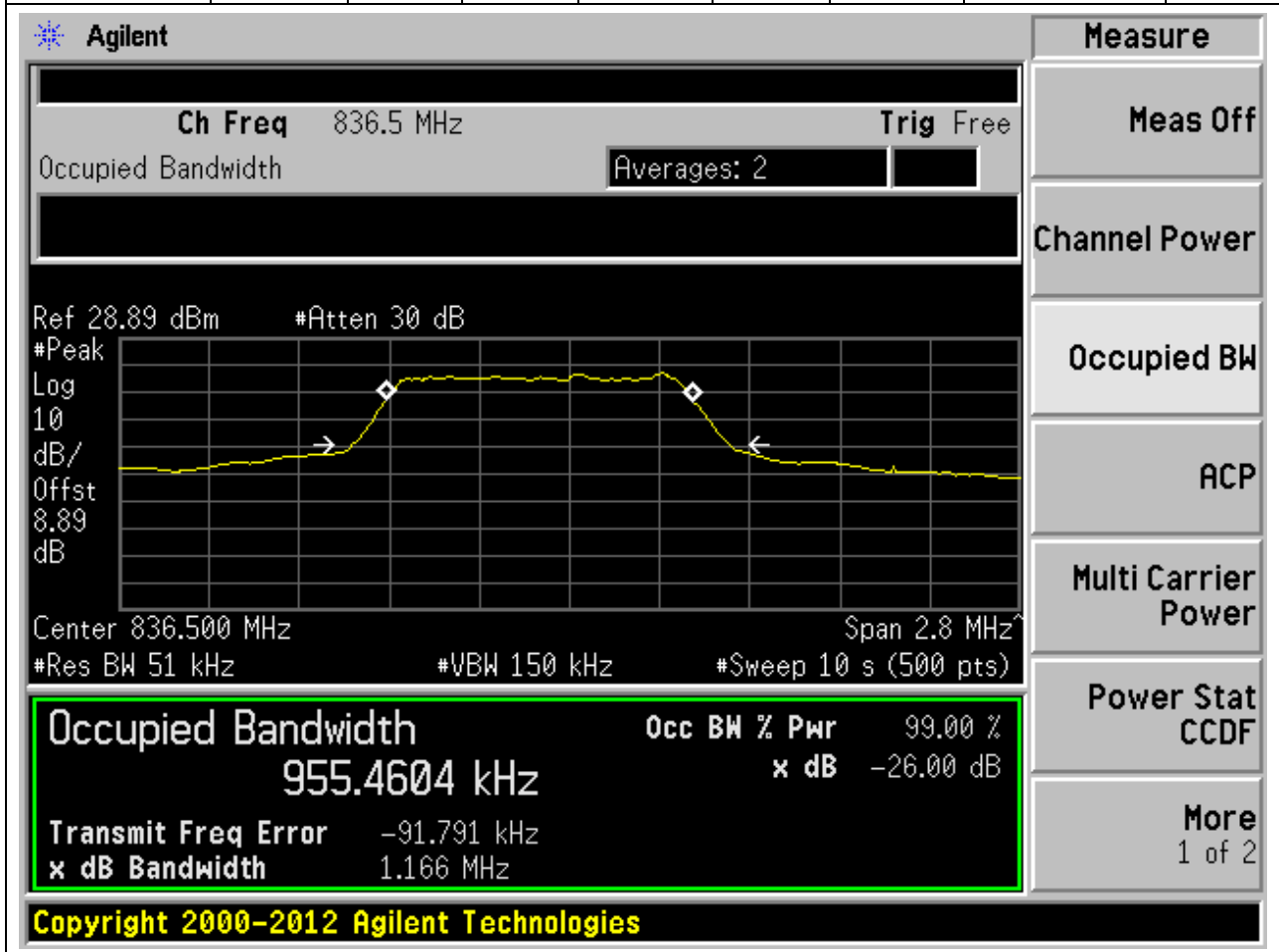
Power Stat CCDF

More 1 of 2

### 3. LTE-M1\_Band5\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

#### 3.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
836.5	99.00	26	0.051	Peak	1.4	0.95546	1.166005	Pass



### 3. LTE-M1\_Band5\_QPSK\_3MHz\_6@0\_Index low\_Mid

#### 3.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
835.7	99.00	26	0.051	Peak	1.4	1.126874	1.401117	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 835.700 MHz and the span is 6 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>1.1269 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		171.159 kHz
<b>x dB Bandwidth</b>		1.401 MHz

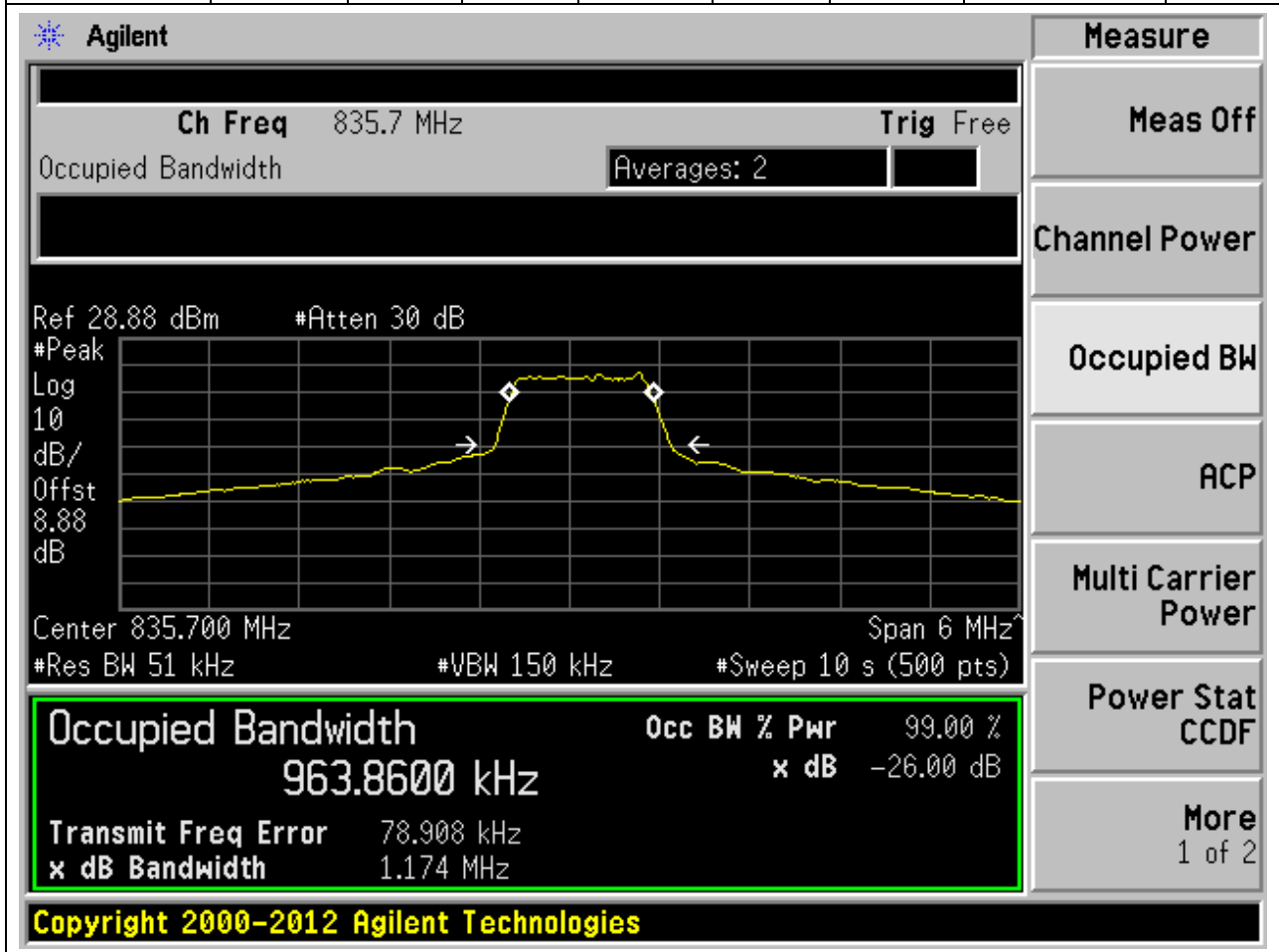
Other parameters shown include: Ch Freq 835.7 MHz, Trig Free, Averages: 2, Ref 28.88 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 8.88 dB, #Res BW 51 kHz, #VBW 150 kHz, #Sweep 10 s (500 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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### 3. LTE-M1\_Band5\_16QAM\_3MHz\_5@0\_Index low\_Mid

#### 3.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

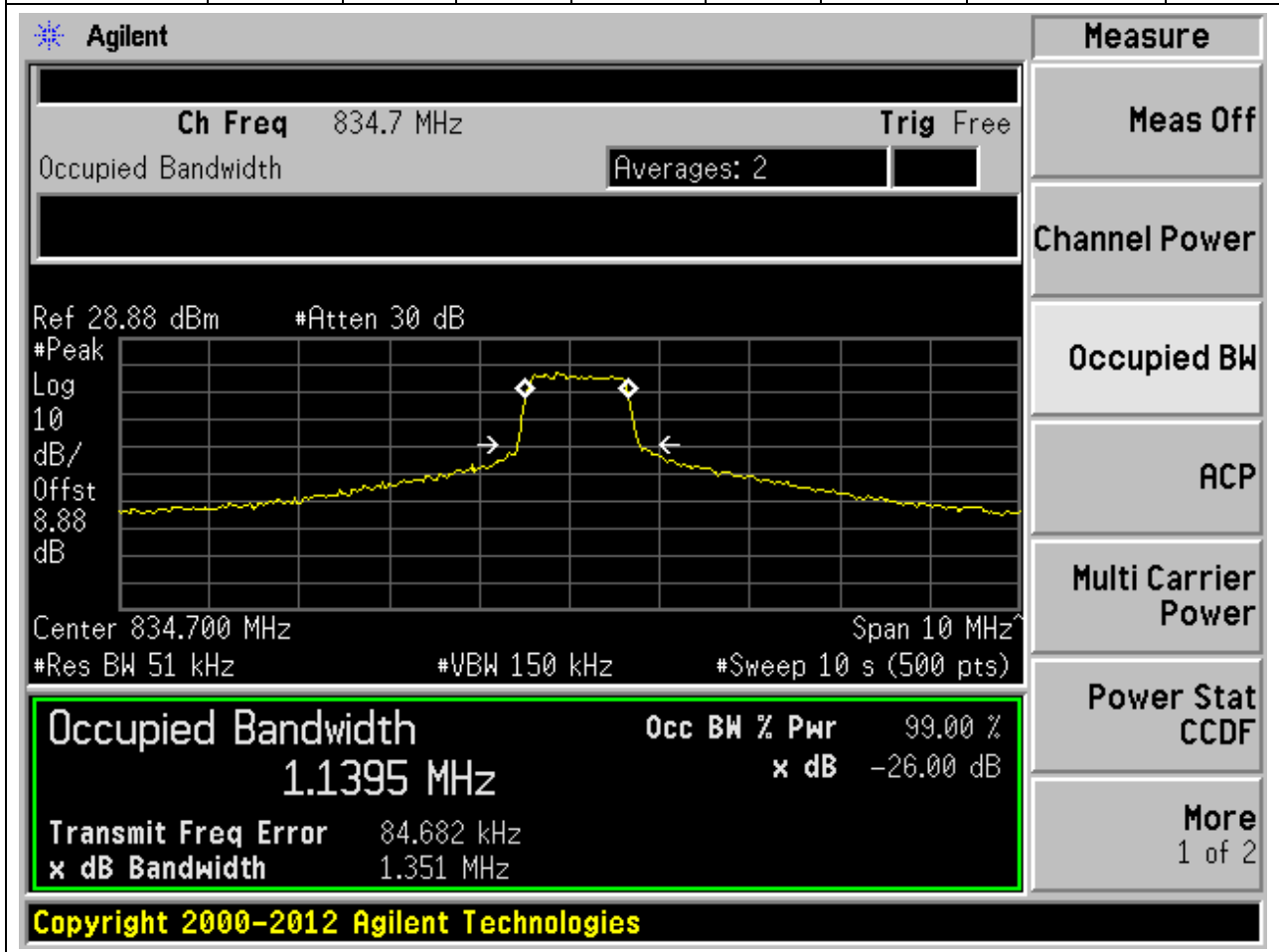
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
835.7	99.00	26	0.051	Peak	1.4	0.96386	1.17387	Pass



### 3. LTE-M1\_Band5\_QPSK\_5MHz\_6@0\_Index low\_Mid

#### 3.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
834.7	99.00	26	0.051	Peak	1.4	1.139534	1.351247	Pass



### 3. LTE-M1\_Band5\_16QAM\_5MHz\_5@0\_Index low\_Mid

#### 3.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
834.7	99.00	26	0.051	Peak	1.4	0.978331	1.218765	Pass

**Agilent**

Ch Freq 834.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.88 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.88 dB

Center 834.700 MHz Span 10 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

978.3313 kHz x dB -26.00 dB

Transmit Freq Error 9.783 kHz

x dB Bandwidth 1.219 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

### 3. LTE-M1\_Band5\_QPSK\_10MHz\_6@0\_Index low\_Mid

#### 3.7. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
832.2	99.00	26	0.051	Peak	1.4	1.143028	1.366652	Pass

**Agilent**

Ch Freq 832.2 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.86 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.86 dB

Center 832.20 MHz Span 20 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

**1.1430 MHz** x dB -26.00 dB

Transmit Freq Error 522.708 kHz

x dB Bandwidth 1.367 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2



### 3. LTE-M1\_Band5\_16QAM\_10MHz\_5@0\_Index low\_Mid

#### 3.8. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
832.2	99.00	26	0.051	Peak	1.4	0.995131	1.283191	Pass

**Agilent**

Ch Freq 832.2 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.86 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.86 dB

Center 832.20 MHz Span 20 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

995.1306 kHz x dB -26.00 dB

Transmit Freq Error 421.757 kHz

x dB Bandwidth 1.283 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

#### 4. LTE-M1\_Band12\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

##### 4.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
707.5	99.00	26	0.051	Peak	1.4	1.112151	1.317974	Pass

Agilent

Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.61 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.61

dB

Center 707.500 MHz
Span 2.8 MHz

#Res BW 51 kHz
#VBW 150 kHz
#Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.1122 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.643 kHz
<b>x dB Bandwidth</b>		1.318 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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#### 4. LTE-M1\_Band12\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

##### 4.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
707.5	99.00	26	0.051	Peak	1.4	0.963703	1.294582	Pass

**Agilent**

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.61 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.61 dB

Center 707.500 MHz Span 2.8 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
963.7032 kHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-89.553 kHz
<b>x dB Bandwidth</b>		1.295 MHz

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**Measure**

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

#### 4. LTE-M1\_Band12\_QPSK\_3MHz\_6@0\_Index low\_Mid

##### 4.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
706.7	99.00	26	0.051	Peak	1.4	1.127574	1.395713	Pass

**Agilent**

Ch Freq 706.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.6 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.6 dB

Center 706.700 MHz Span 6 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

1.1276 MHz x dB -26.00 dB

Transmit Freq Error 169.253 kHz

x dB Bandwidth 1.396 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

#### 4. LTE-M1\_Band12\_16QAM\_3MHz\_5@0\_Index low\_Mid

##### 4.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
706.7	99.00	26	0.051	Peak	1.4	0.964109	1.170559	Pass

**Agilent**

Ch Freq 706.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.6 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.6 dB

Center 706.700 MHz Span 6 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

964.1091 kHz x dB -26.00 dB

Transmit Freq Error 77.948 kHz

x dB Bandwidth 1.171 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

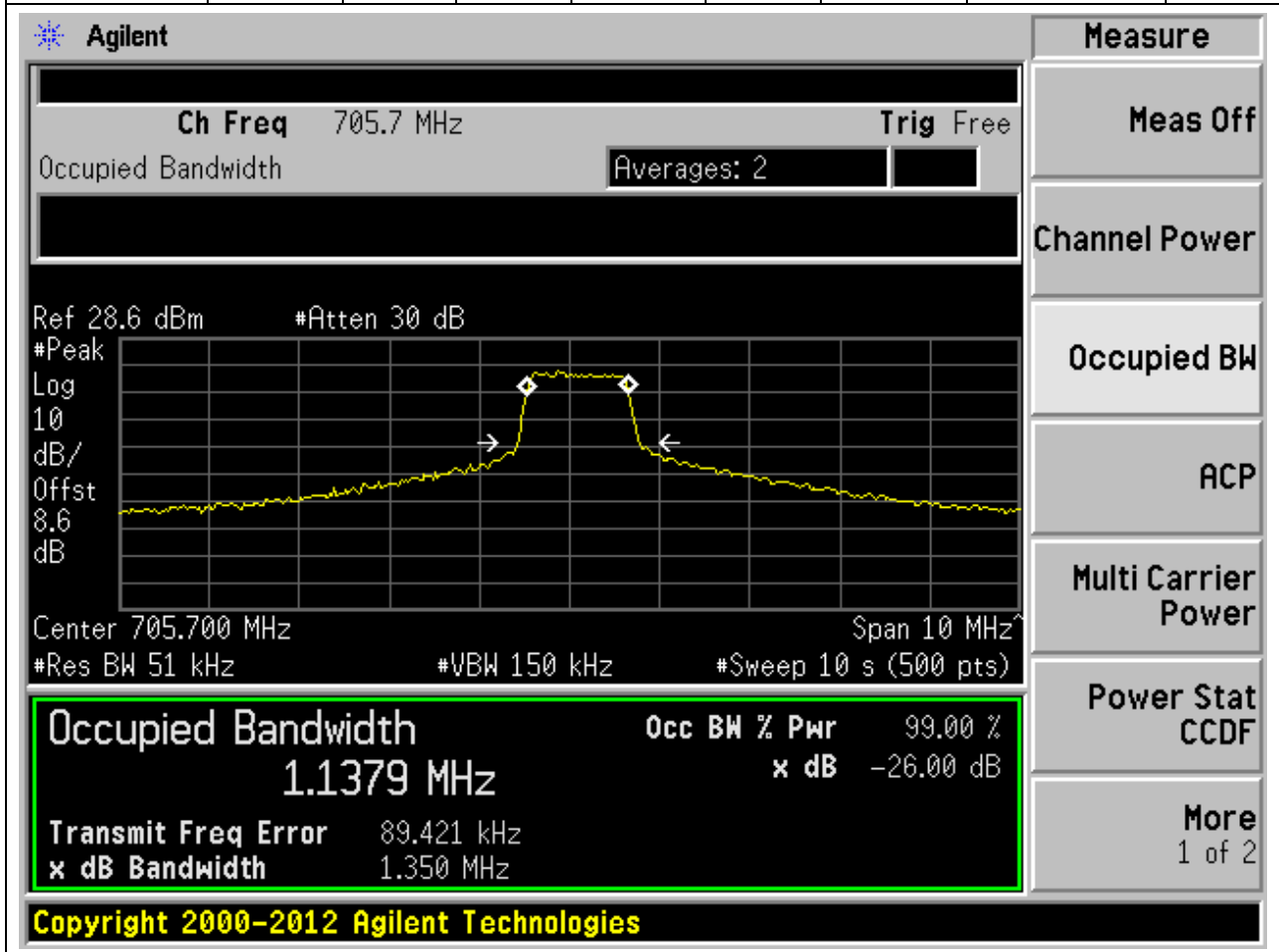
Power Stat CCDF

More  
1 of 2

#### 4. LTE-M1\_Band12\_QPSK\_5MHz\_6@0\_Index low\_Mid

#### 4.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
705.7	99.00	26	0.051	Peak	1.4	1.137863	1.350162	Pass



#### 4. LTE-M1\_Band12\_16QAM\_5MHz\_5@0\_Index low\_Mid

#### 4.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
705.7	99.00	26	0.051	Peak	1.4	0.978415	1.224994	Pass

**Agilent**

Ch Freq 705.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.6 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.6 dB

Center 705.700 MHz Span 10 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

978.4148 kHz x dB -26.00 dB

Transmit Freq Error 9.932 kHz

x dB Bandwidth 1.225 MHz

**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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#### 4. LTE-M1\_Band12\_QPSK\_10MHz\_6@0\_Index low\_Mid

#### 4.7. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
703.2	99.00	26	0.051	Peak	1.4	1.139228	1.351283	Pass

**Agilent**

Ch Freq 703.2 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.6 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.6 dB

Center 703.20 MHz Span 20 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.1392 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	528.495 kHz	
<b>x dB Bandwidth</b>	1.351 MHz	

**Measure**

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

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#### 4. LTE-M1\_Band12\_16QAM\_10MHz\_5@0\_Index low\_Mid

#### 4.8. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
703.2	99.00	26	0.051	Peak	1.4	1.001737	1.269501	Pass

**Agilent**

Ch Freq 703.2 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.6 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.6 dB

Center 703.20 MHz Span 20 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.0017 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	429.300 kHz	
<b>x dB Bandwidth</b>	1.270 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

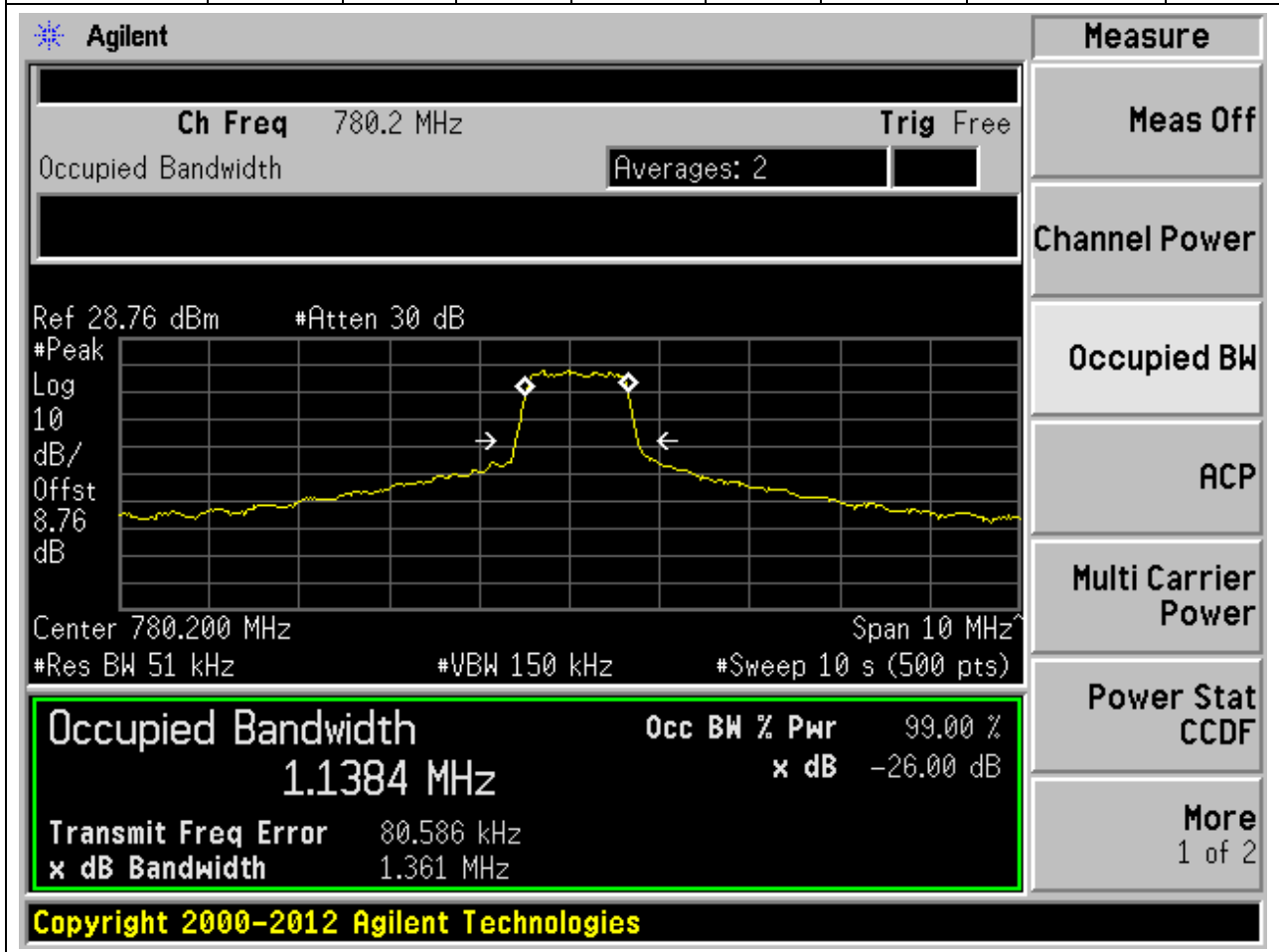
Power Stat CCDF

More  
1 of 2

## 5. LTE-M1\_Band13\_QPSK\_5MHz\_6@0\_Index low\_Mid

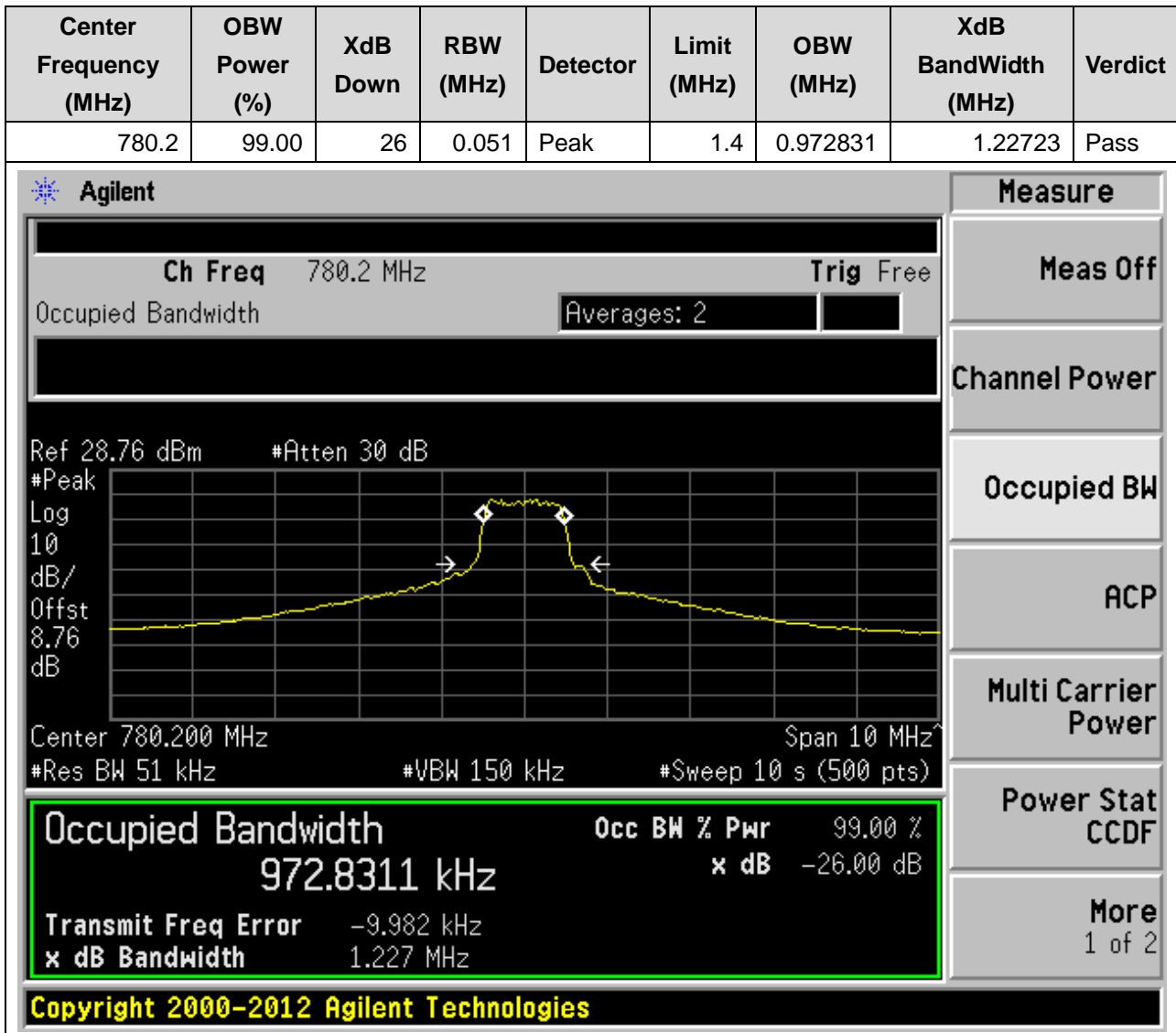
### 5.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
780.2	99.00	26	0.051	Peak	1.4	1.138419	1.360958	Pass



## 5. LTE-M1\_Band13\_16QAM\_5MHz\_5@0\_Index low\_Mid

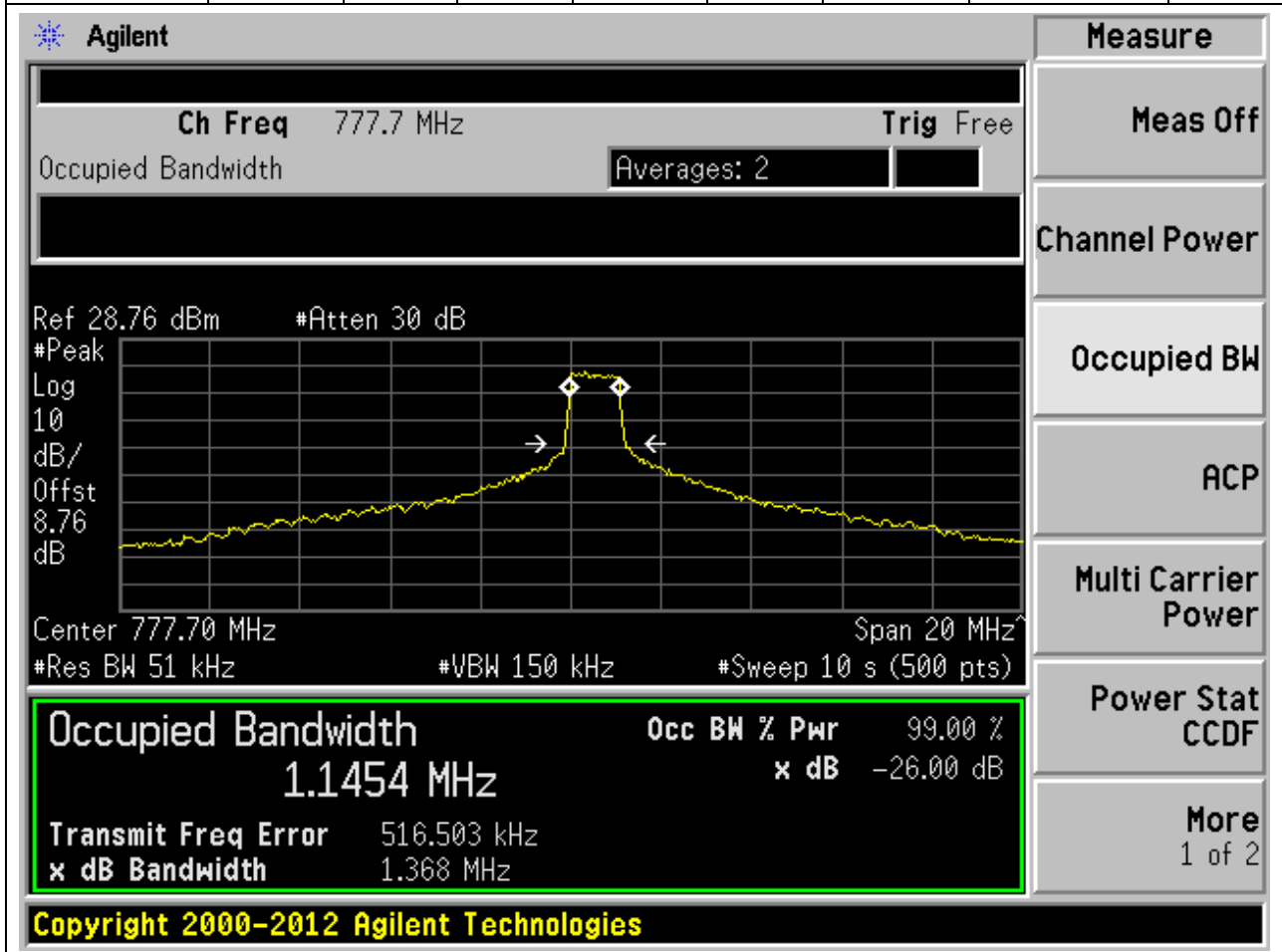
### 5.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 5. LTE-M1\_Band13\_QPSK\_10MHz\_6@0\_Index low\_Mid

### 5.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

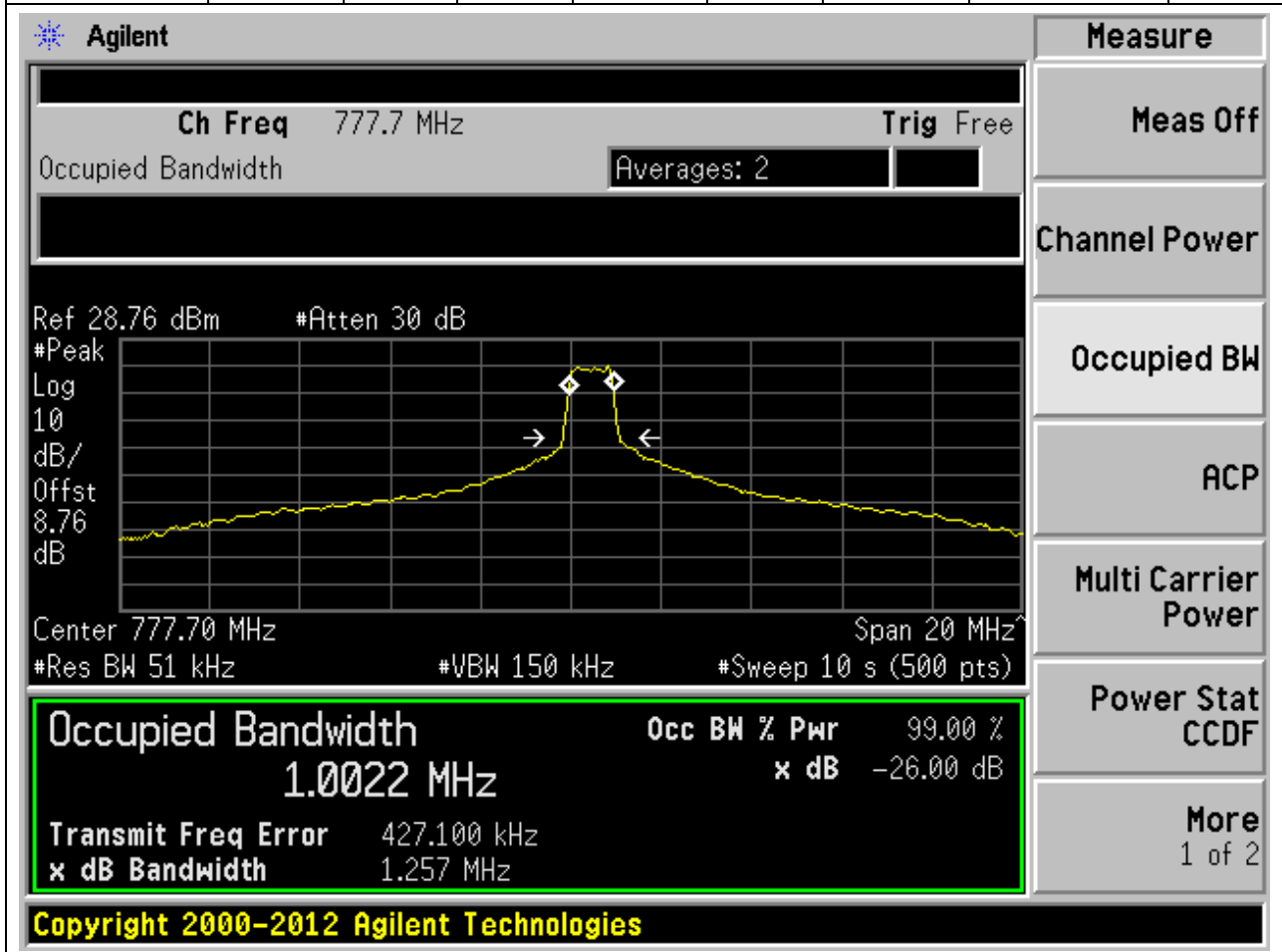
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
777.7	99.00	26	0.051	Peak	1.4	1.145365	1.367536	Pass



## 5. LTE-M1\_Band13\_16QAM\_10MHz\_5@0\_Index low\_Mid

### 5.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

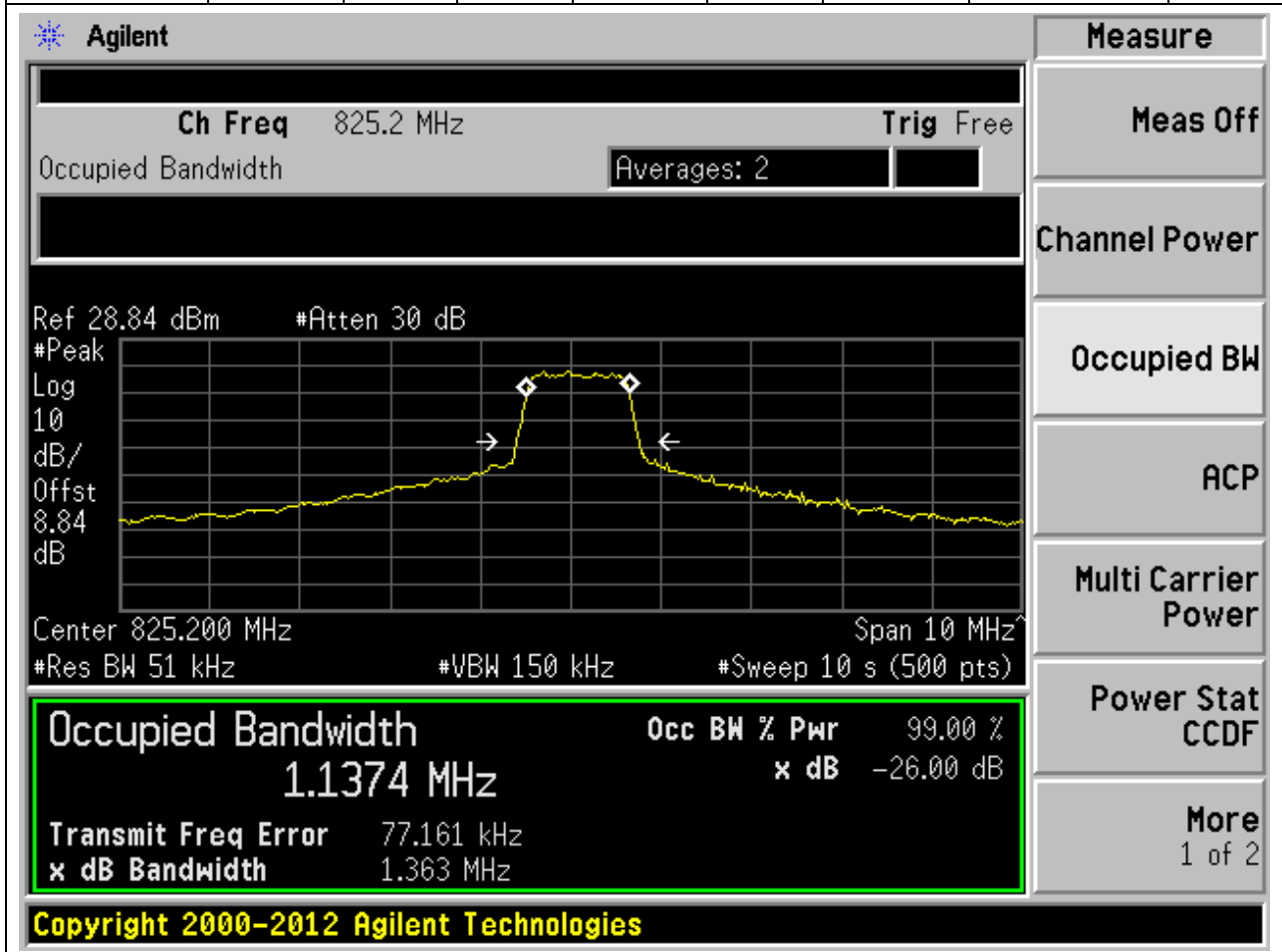
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
777.7	99.00	26	0.051	Peak	1.4	1.002182	1.257109	Pass



## 6. LTE-M1\_Band18(824-830)\_QPSK\_5MHz\_6@0\_Index low\_Mid

### 6.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

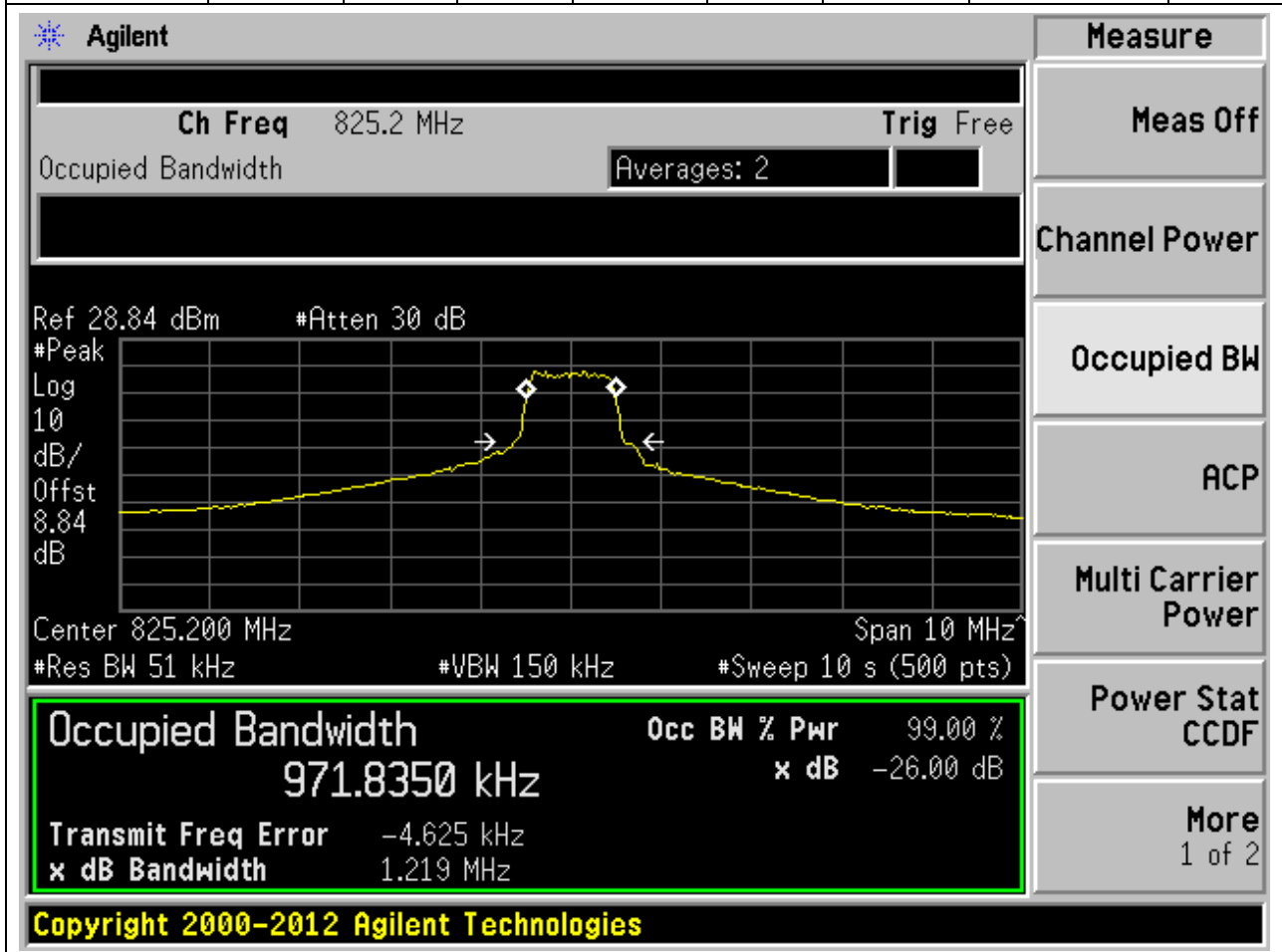
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
825.2	99.00	26	0.051	Peak	1.4	1.137357	1.362674	Pass



## 6. LTE-M1\_Band18(824-830)\_16QAM\_5MHz\_5@0\_Index low\_Mid

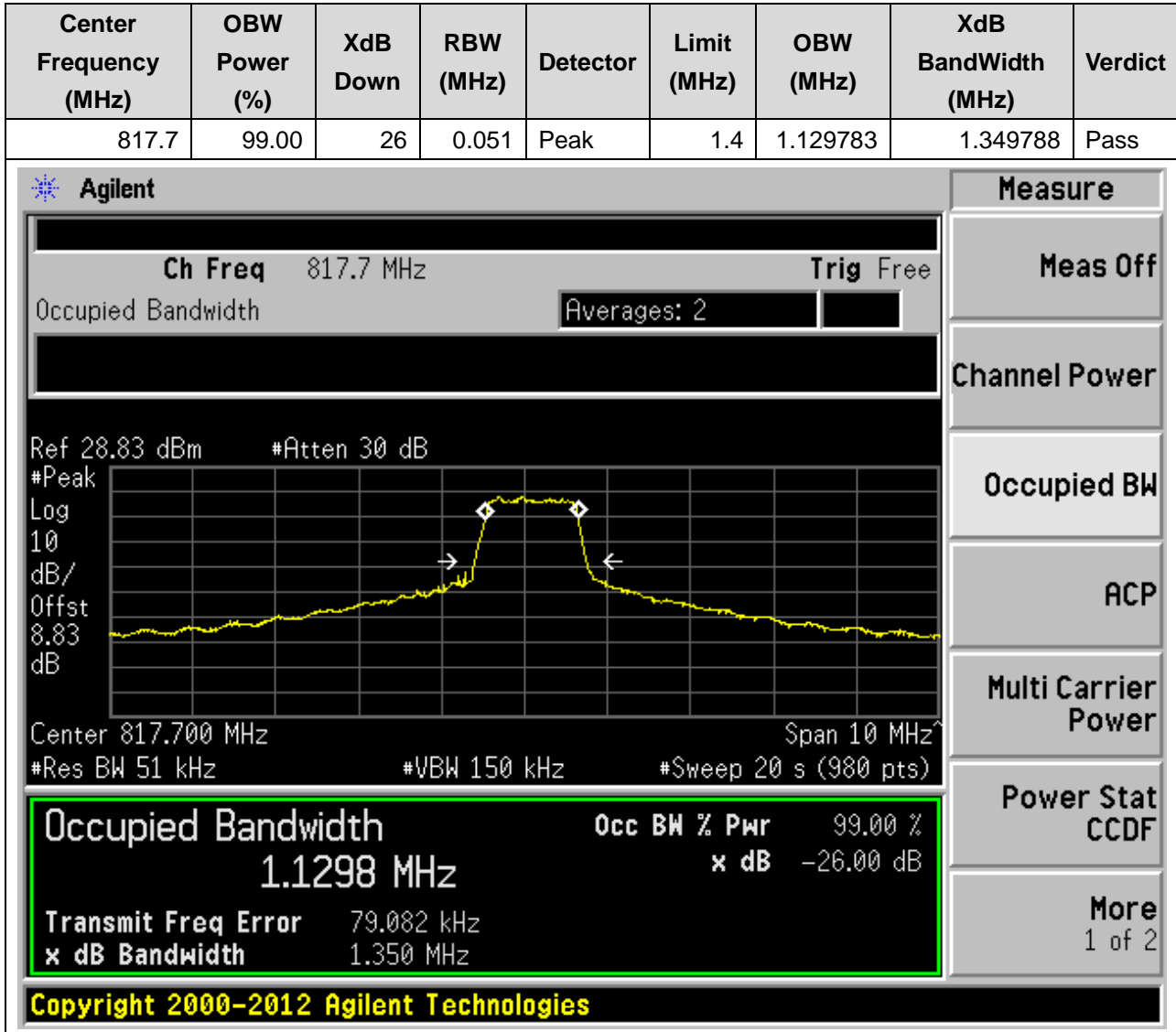
### 6.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
825.2	99.00	26	0.051	Peak	1.4	0.971835	1.21903	Pass



## 7. LTE-M1\_Band18(815-824)\_QPSK\_5MHz\_6@0\_Index low\_Mid

### 7.1. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

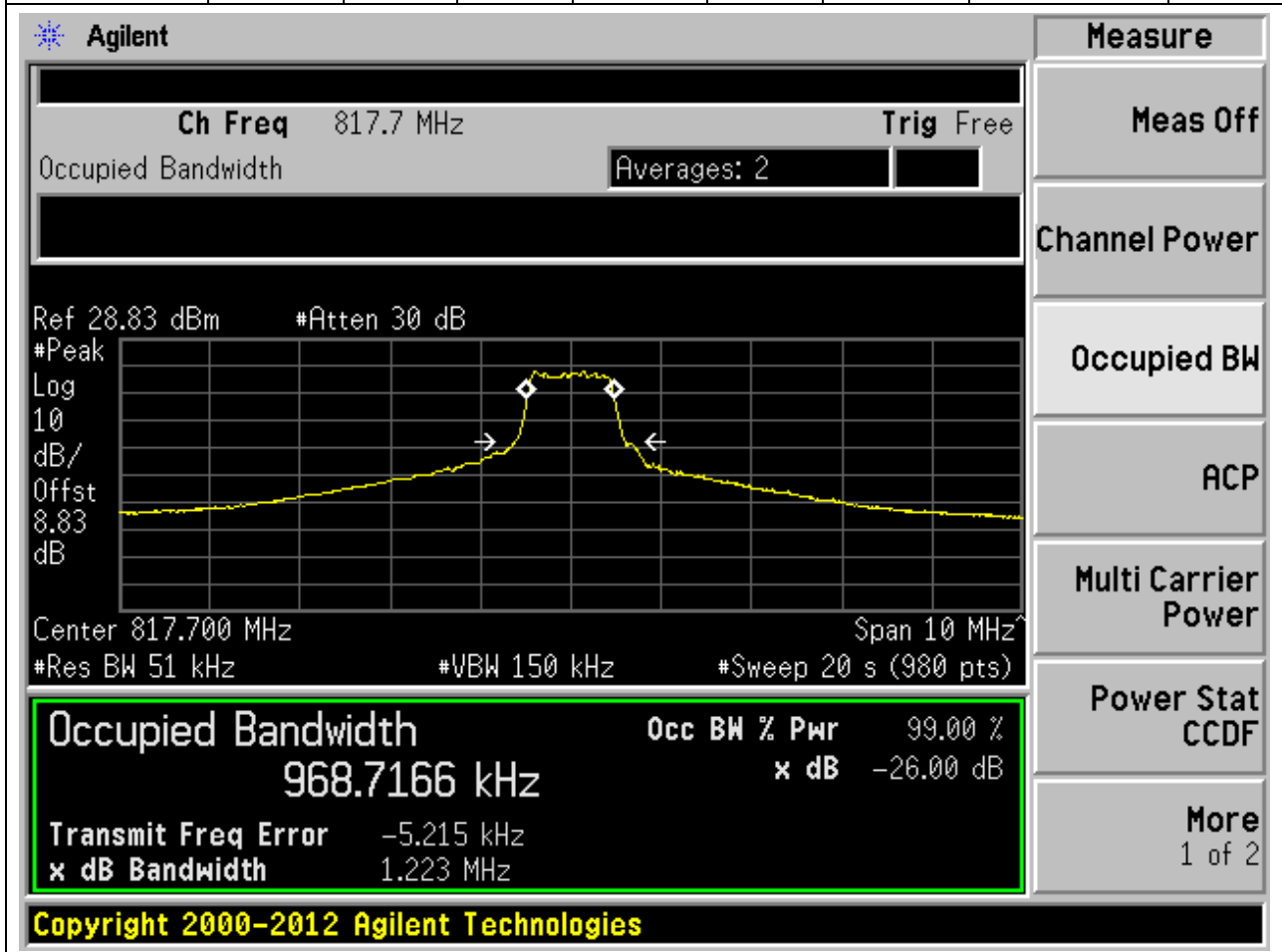




## 7. LTE-M1\_Band18(815-824)\_16QAM\_5MHz\_5@0\_Index low\_Mid

### 7.2. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

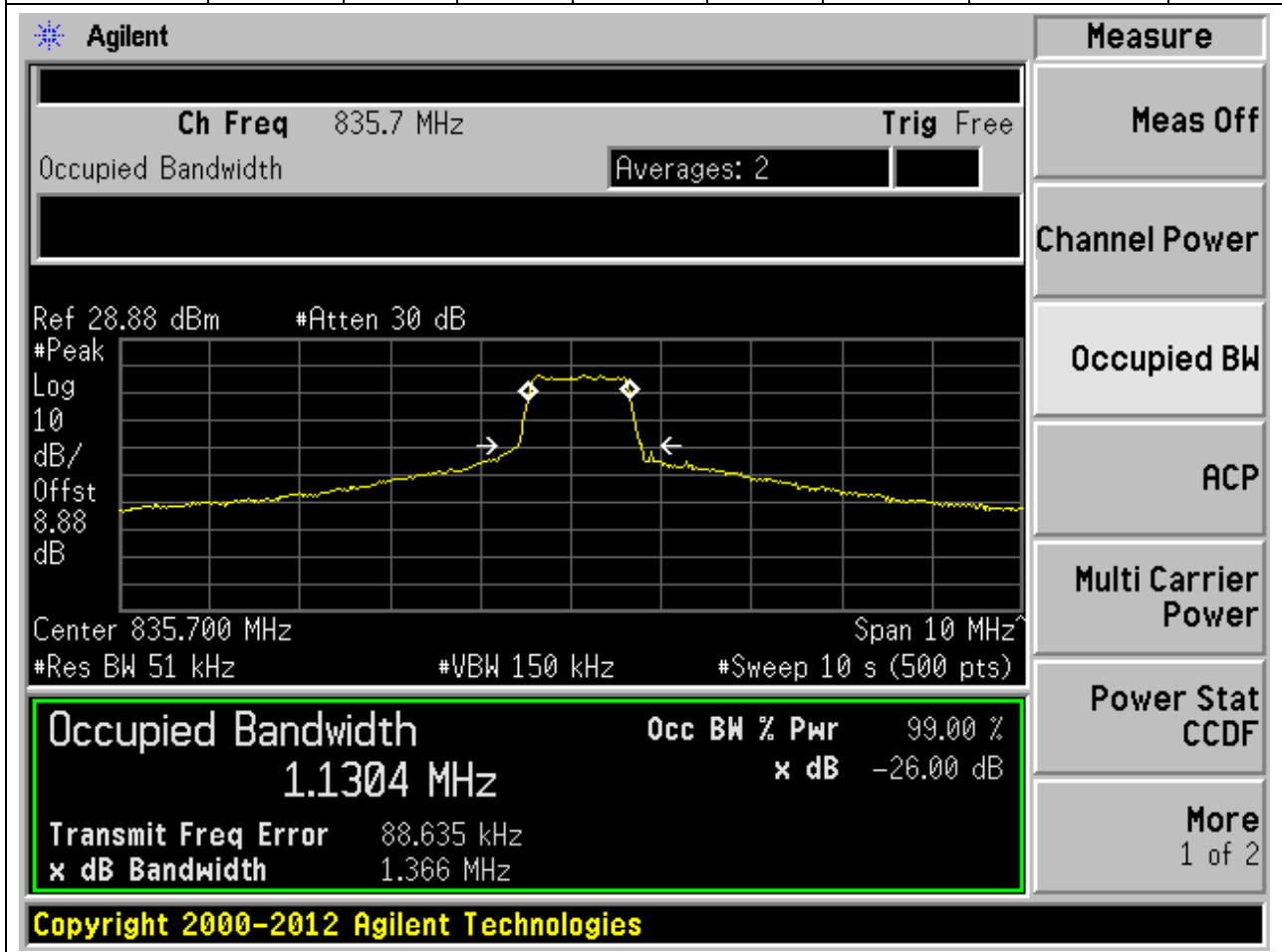
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
817.7	99.00	26	0.051	Peak	1.4	0.968717	1.222811	Pass



## 8. LTE-M1\_Band19\_QPSK\_5MHz\_6@0\_Index low\_Mid

### 8.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

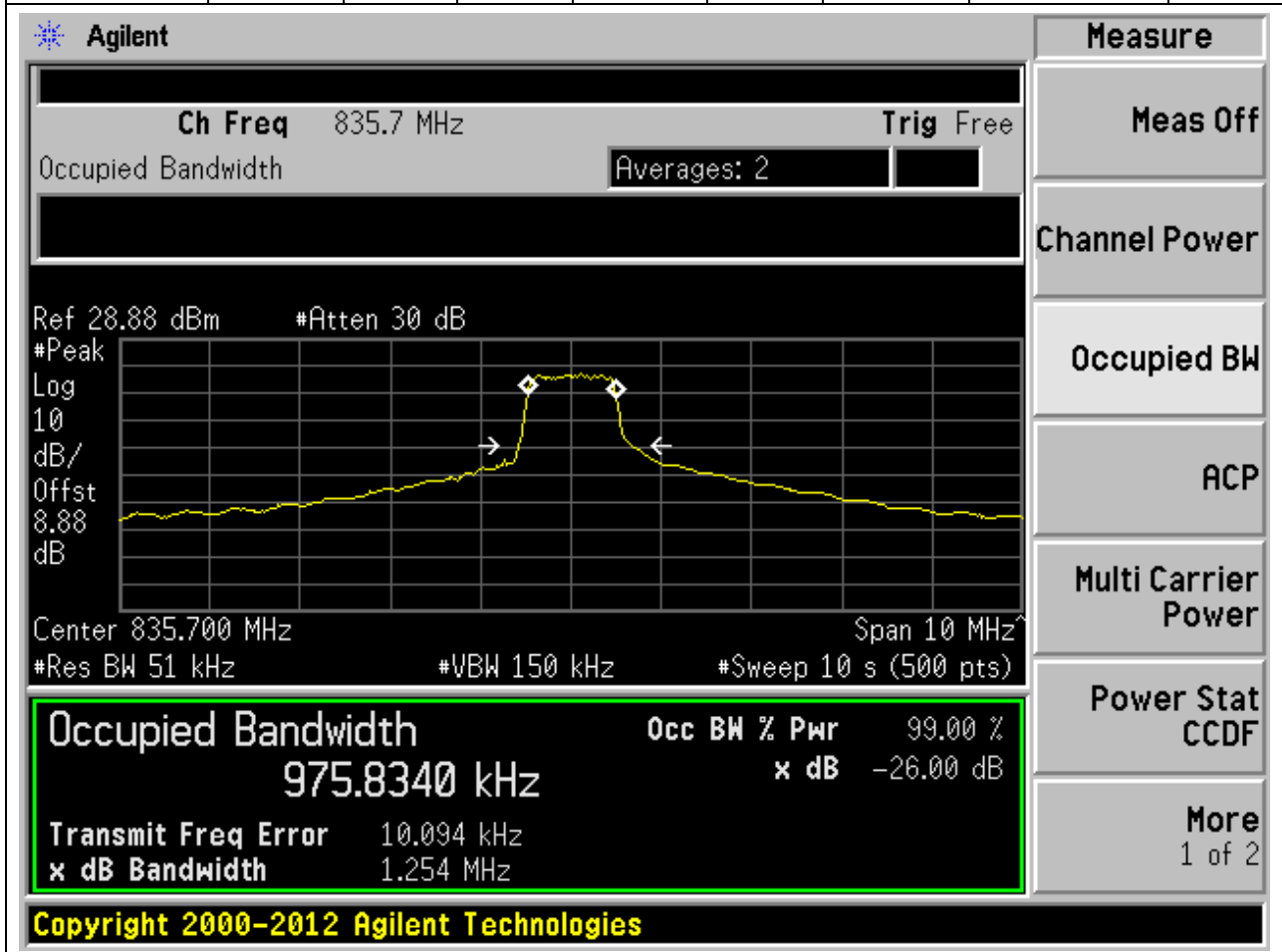
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
835.7	99.00	26	0.051	Peak	1.4	1.130427	1.366127	Pass



## 8. LTE-M1\_Band19\_16QAM\_5MHz\_5@0\_Index low\_Mid

### 8.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
835.7	99.00	26	0.051	Peak	1.4	0.975834	1.253694	Pass

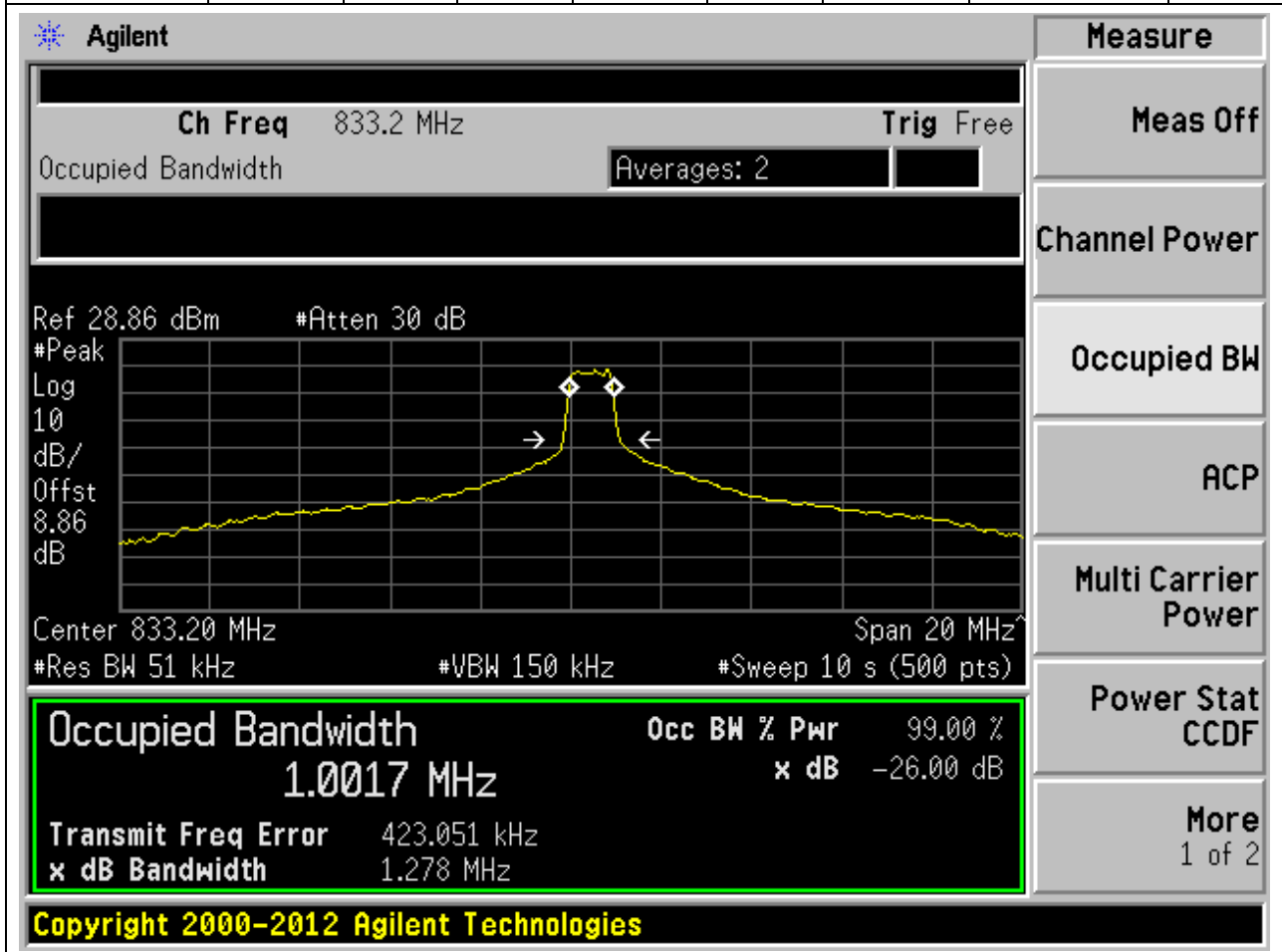




## 8. LTE-M1\_Band19\_16QAM\_10MHz\_5@0\_Index low\_Mid

### 8.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
833.2	99.00	26	0.051	Peak	1.4	1.001658	1.278318	Pass



## 8. LTE-M1\_Band19\_QPSK\_15MHz\_6@0\_Index low\_Mid

### 8.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
830.7	99.00	26	0.051	Peak	1.4	1.179312	1.382396	Pass

**Agilent**

Ch Freq 830.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.84 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.84 dB

Center 830.70 MHz Span 30 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.1793 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	775.166 kHz	
<b>x dB Bandwidth</b>	1.382 MHz	

**Measure**

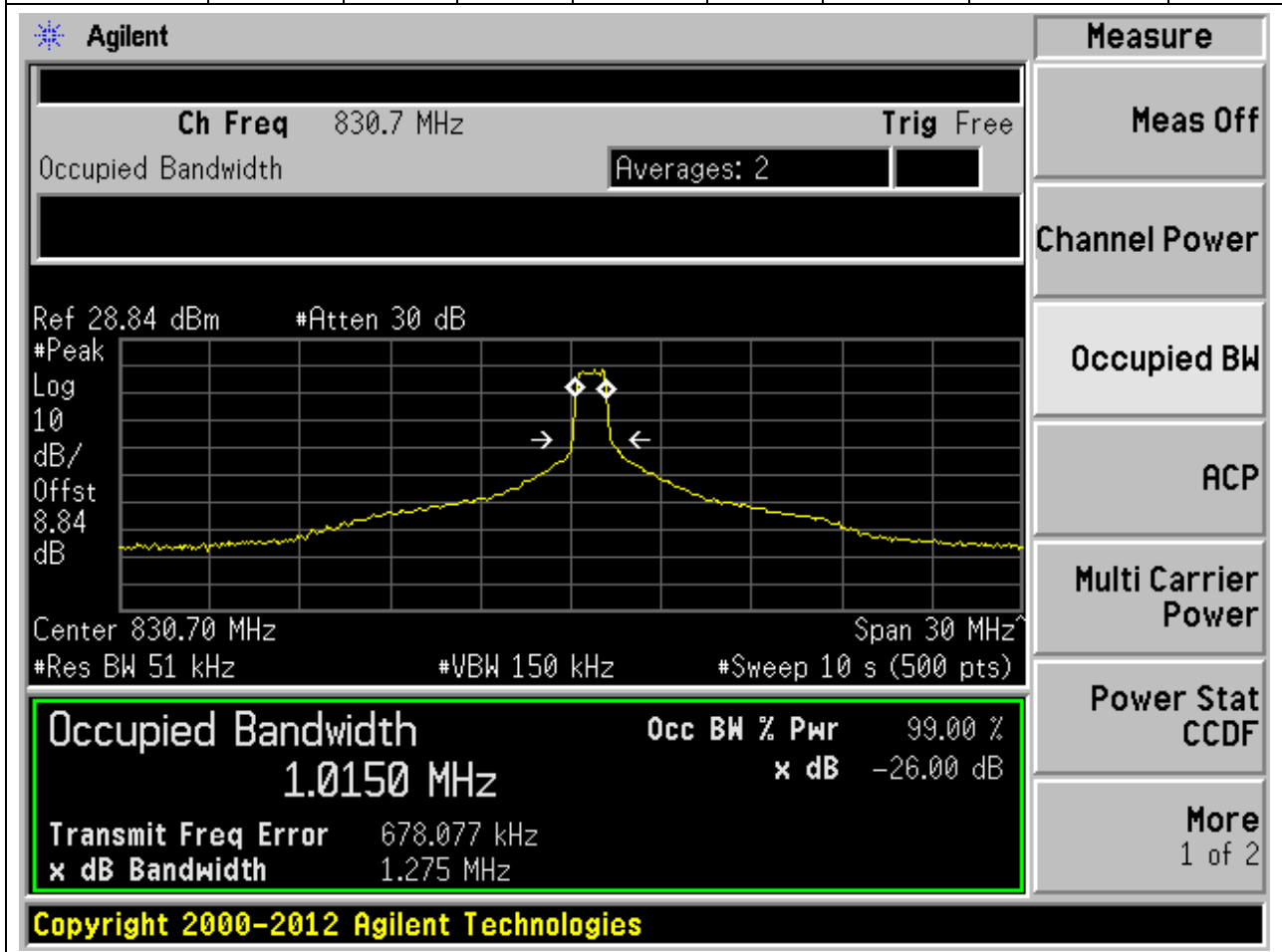
- Meas Off
- Channel Power
- Occupied BW
- ACP
- Multi Carrier Power
- Power Stat CCDF
- More 1 of 2

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## 8. LTE-M1\_Band19\_16QAM\_15MHz\_5@0\_Index low\_Mid

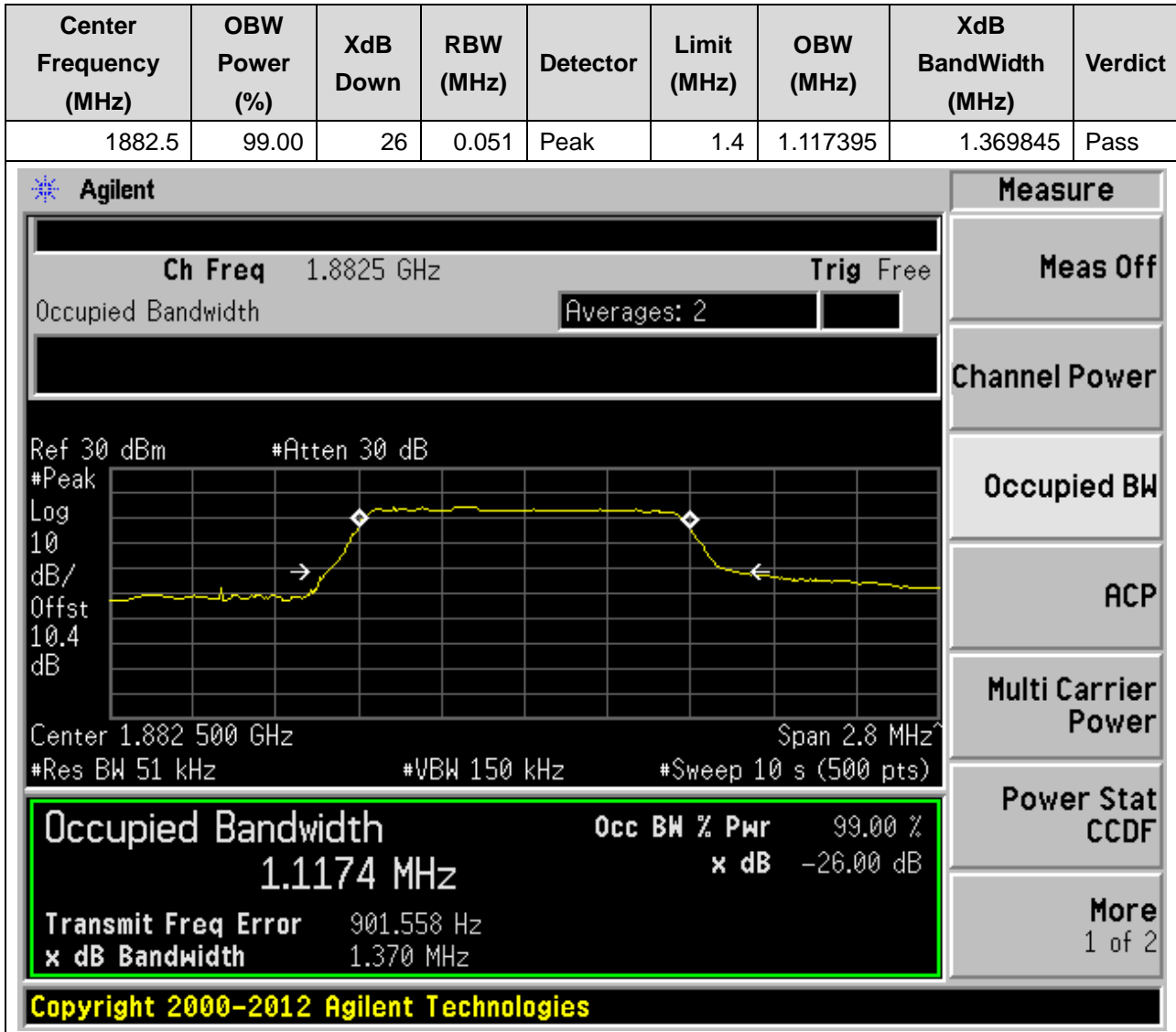
### 8.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
830.7	99.00	26	0.051	Peak	1.4	1.015002	1.274772	Pass



## 9. LTE-M1\_Band25\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

### 9.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

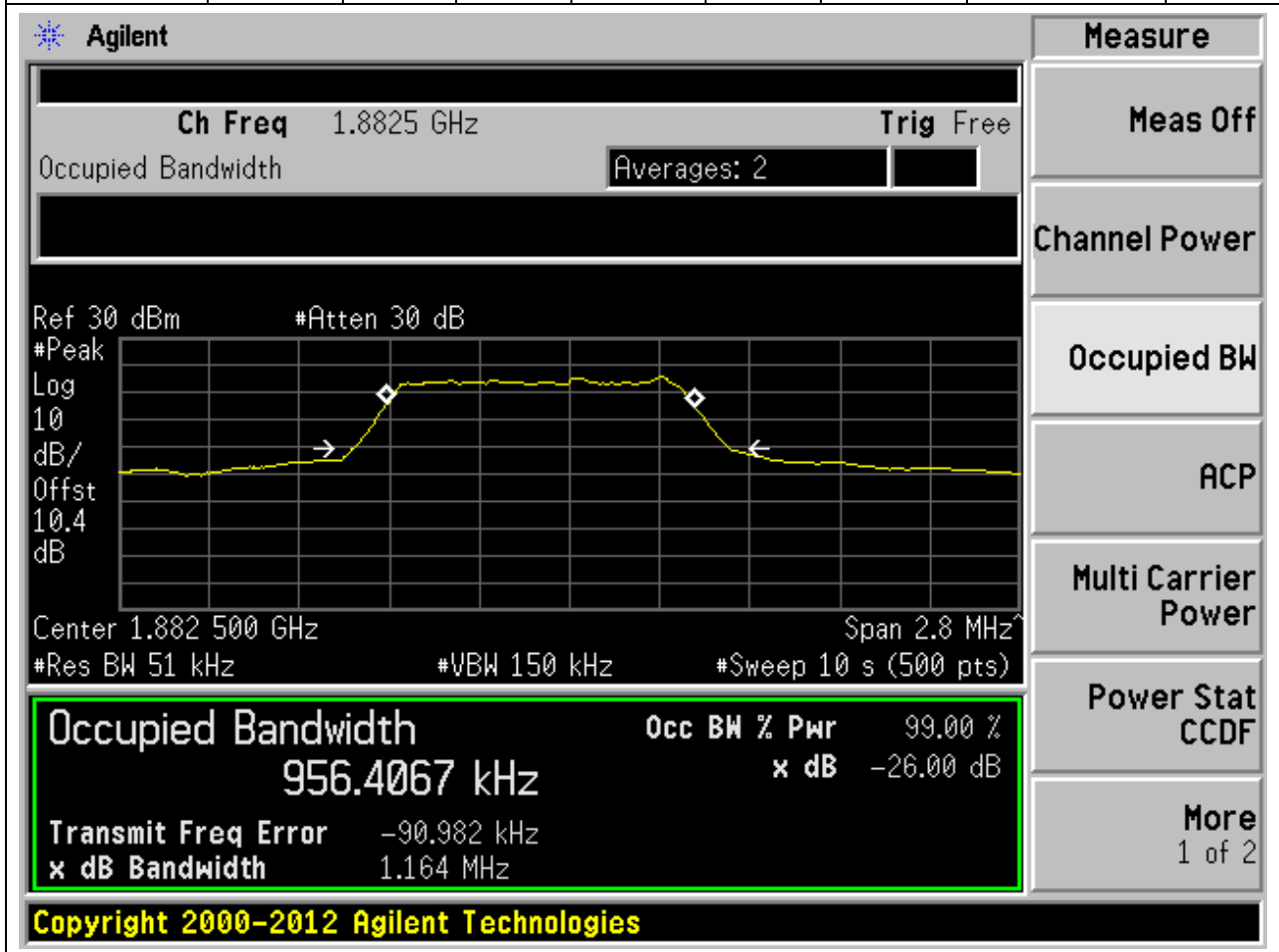




## 9. LTE-M1\_Band25\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

### 9.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

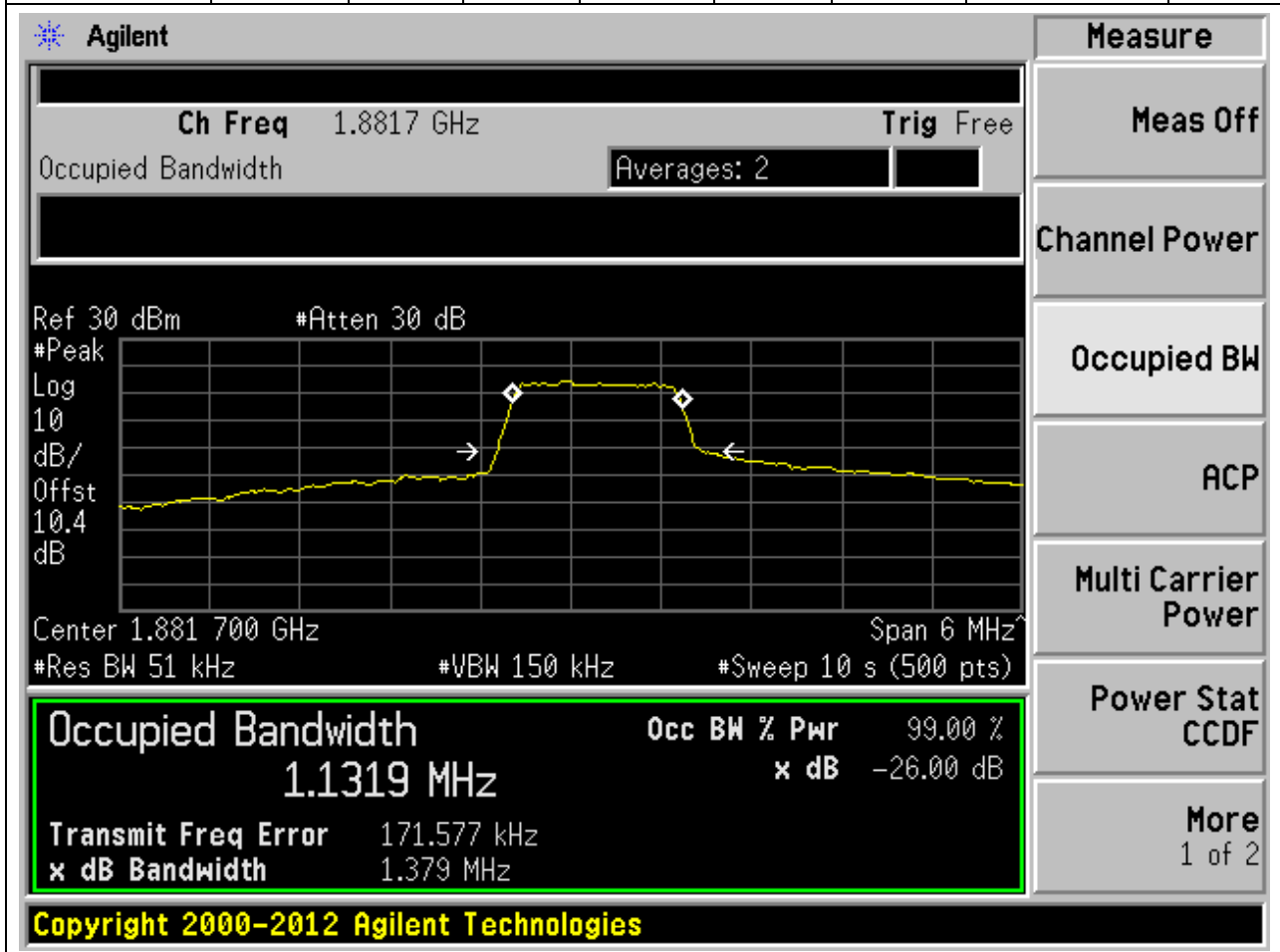
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1882.5	99.00	26	0.051	Peak	1.4	0.956407	1.163921	Pass



## 9. LTE-M1\_Band25\_QPSK\_3MHz\_6@0\_Index low\_Mid

### 9.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

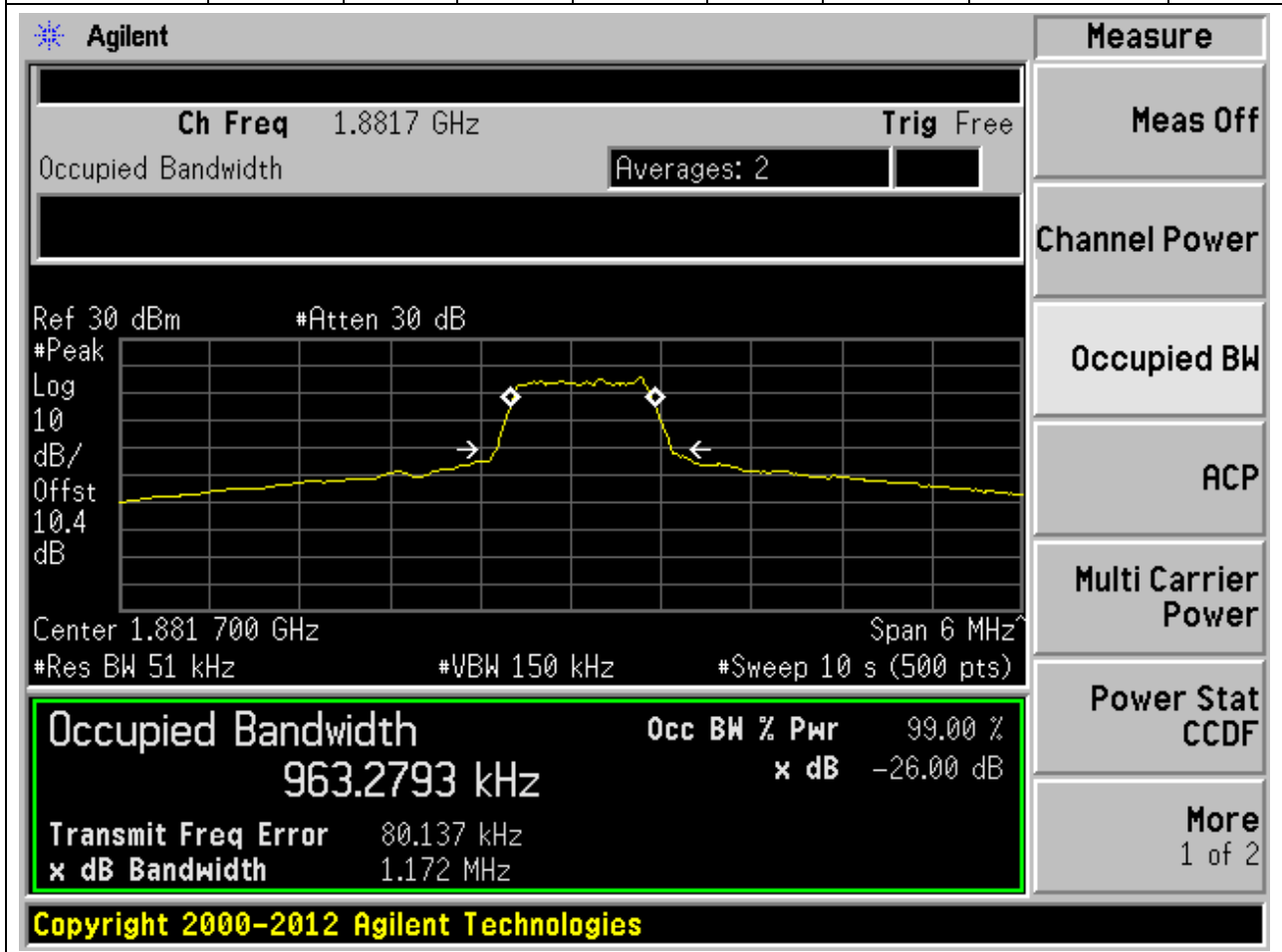
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1881.7	99.00	26	0.051	Peak	1.4	1.13192	1.378797	Pass



## 9. LTE-M1\_Band25\_16QAM\_3MHz\_5@0\_Index low\_Mid

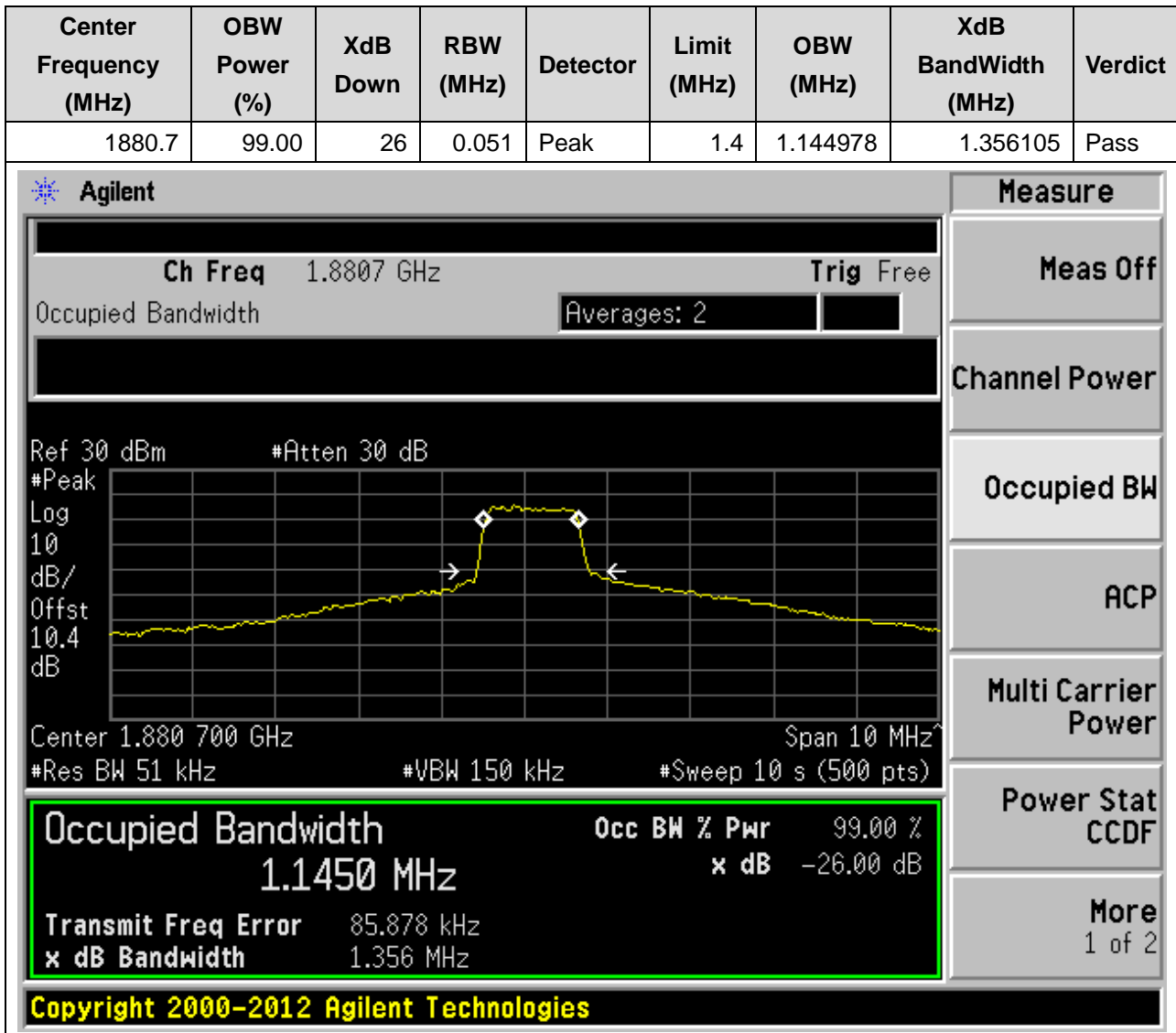
### 9.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1881.7	99.00	26	0.051	Peak	1.4	0.963279	1.172013	Pass



## 9. LTE-M1\_Band25\_QPSK\_5MHz\_6@0\_Index low\_Mid

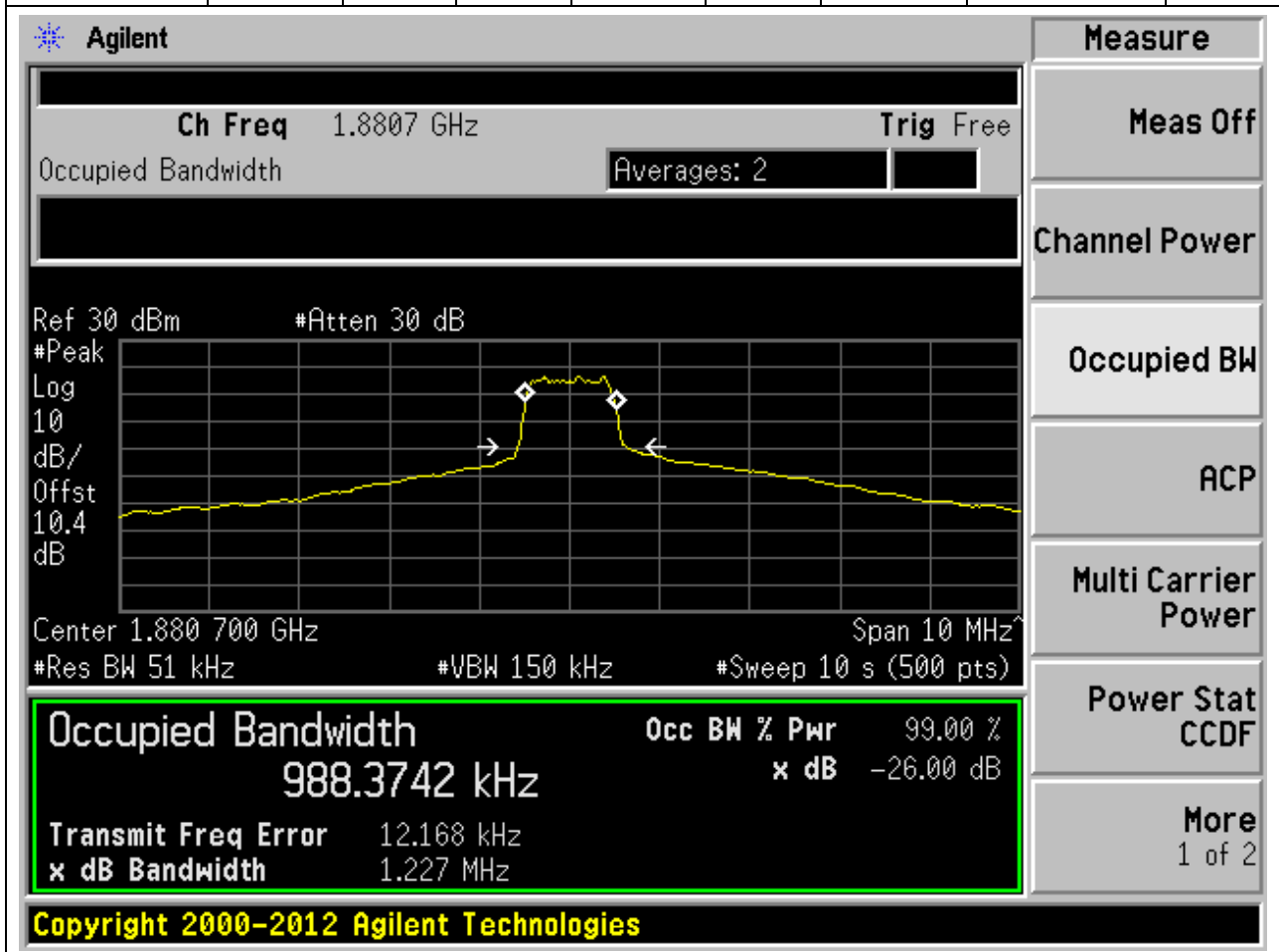
### 9.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 9. LTE-M1\_Band25\_16QAM\_5MHz\_5@0\_Index low\_Mid

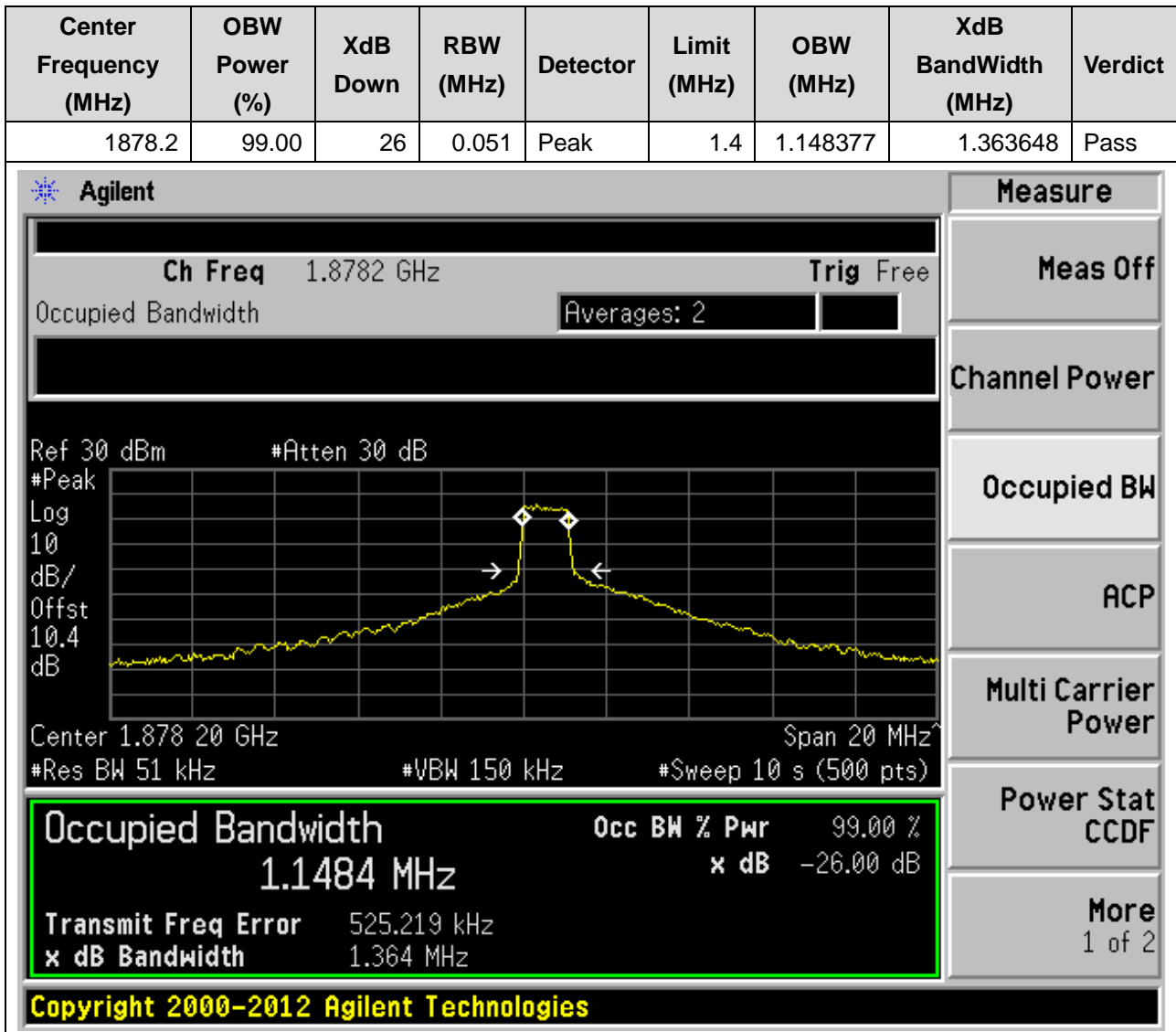
### 9.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1880.7	99.00	26	0.051	Peak	1.4	0.988374	1.226745	Pass



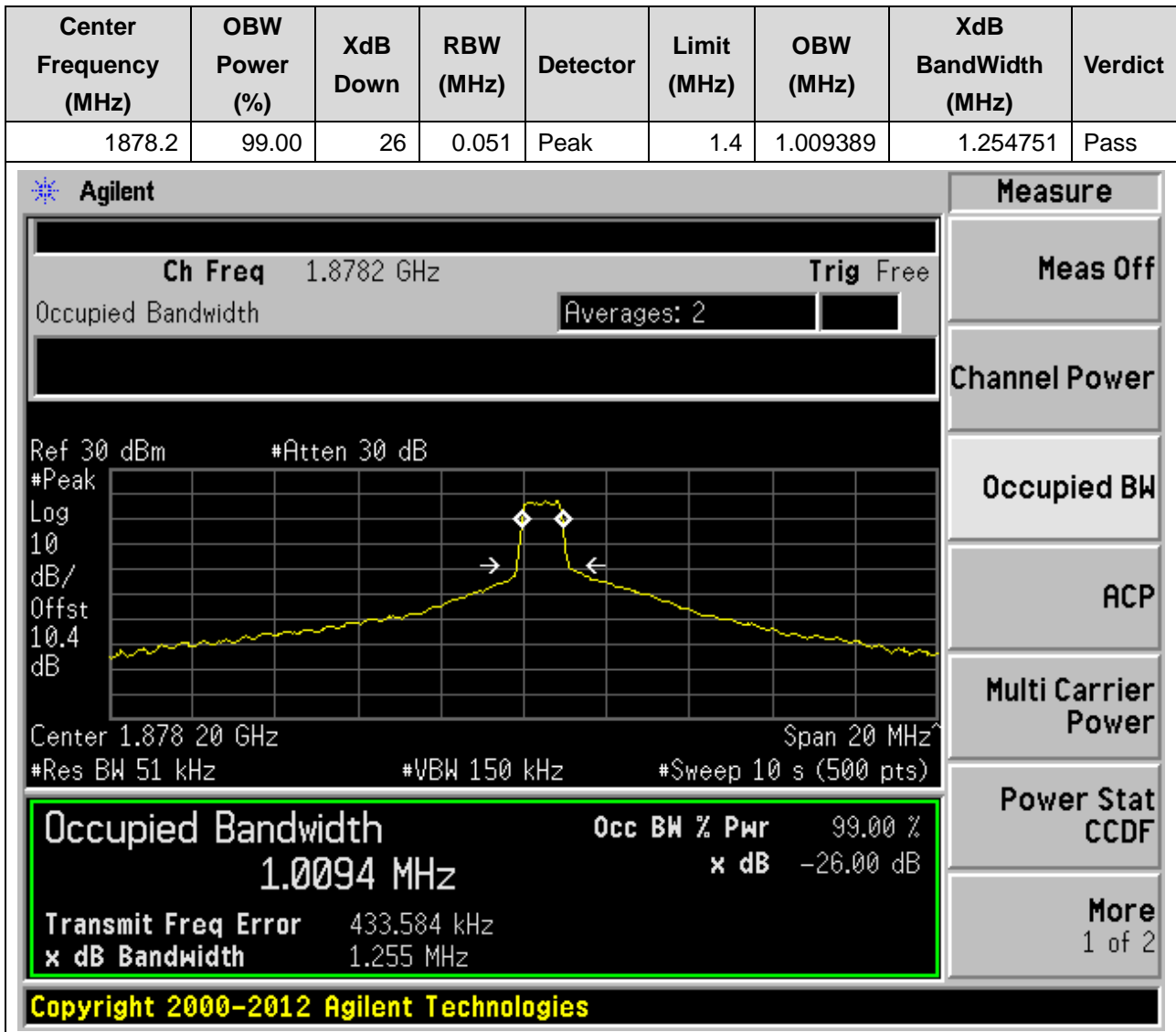
## 9. LTE-M1\_Band25\_QPSK\_10MHz\_6@0\_Index low\_Mid

### 9.7. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 9. LTE-M1\_Band25\_16QAM\_10MHz\_5@0\_Index low\_Mid

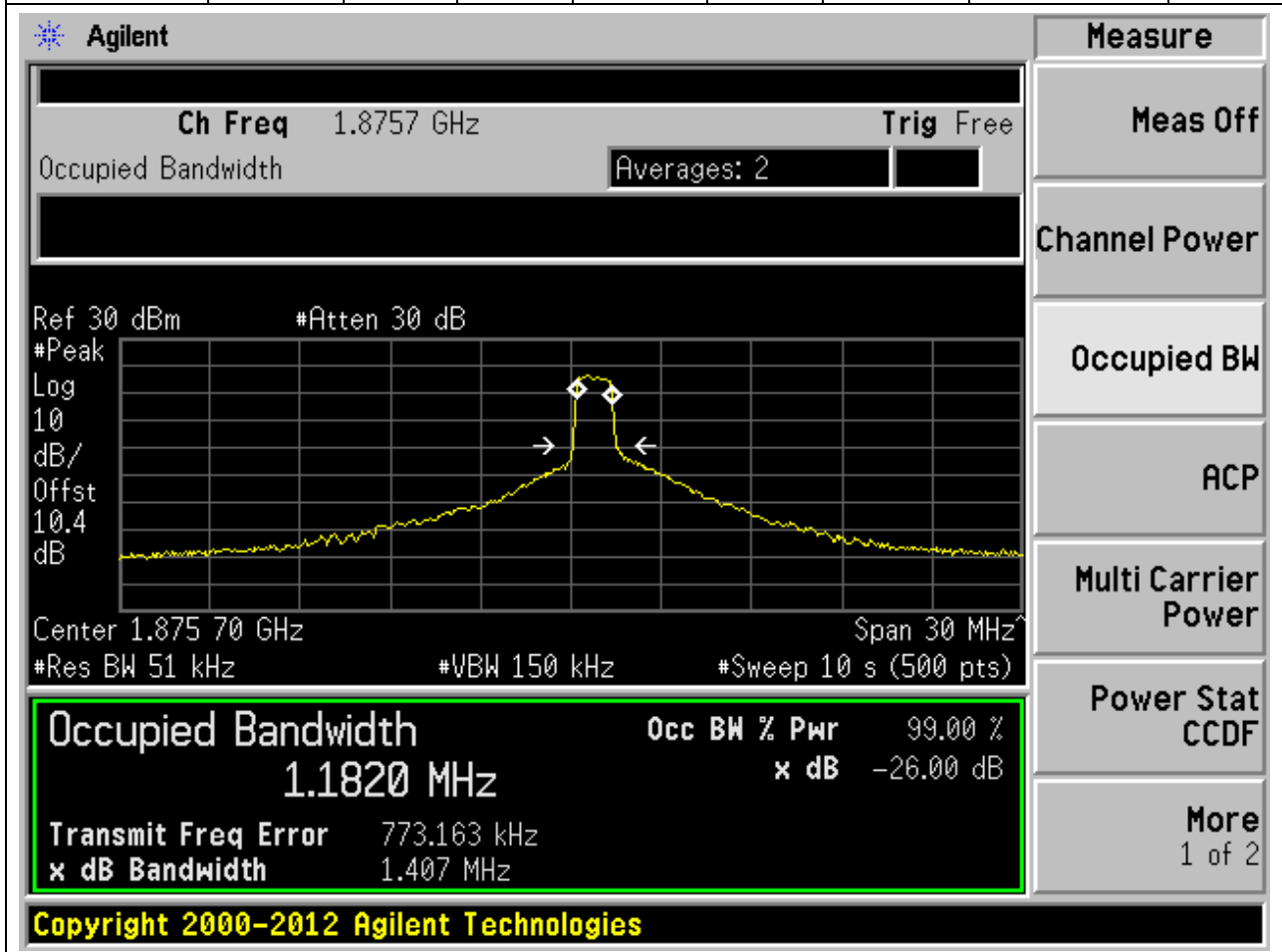
### 9.8. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 9. LTE-M1\_Band25\_QPSK\_15MHz\_6@0\_Index low\_Mid

### 9.9. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1875.7	99.00	26	0.051	Peak	1.4	1.181969	1.406593	Pass

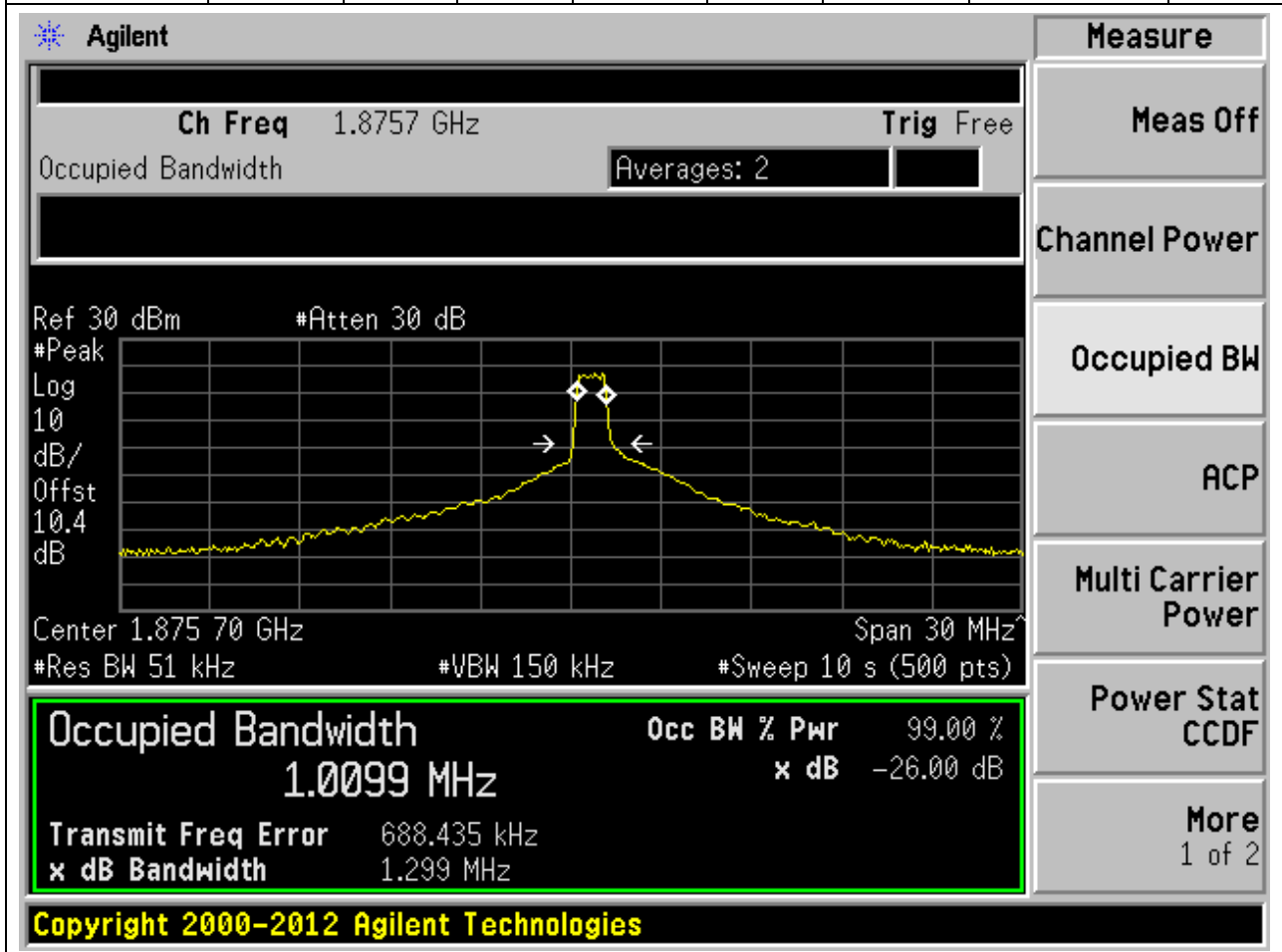




## 9. LTE-M1\_Band25\_16QAM\_15MHz\_5@0\_Index low\_Mid

### 9.10. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1875.7	99.00	26	0.051	Peak	1.4	1.009927	1.299096	Pass



## 9. LTE-M1\_Band25\_QPSK\_20MHz\_6@0\_Index low\_Mid

### 9.11. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1873.2	99.00	26	0.051	Peak	1.4	1.197732	1.466312	Pass

Agilent

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

Ch Freq 1.8732 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.873 20 GHz Span 40 MHz

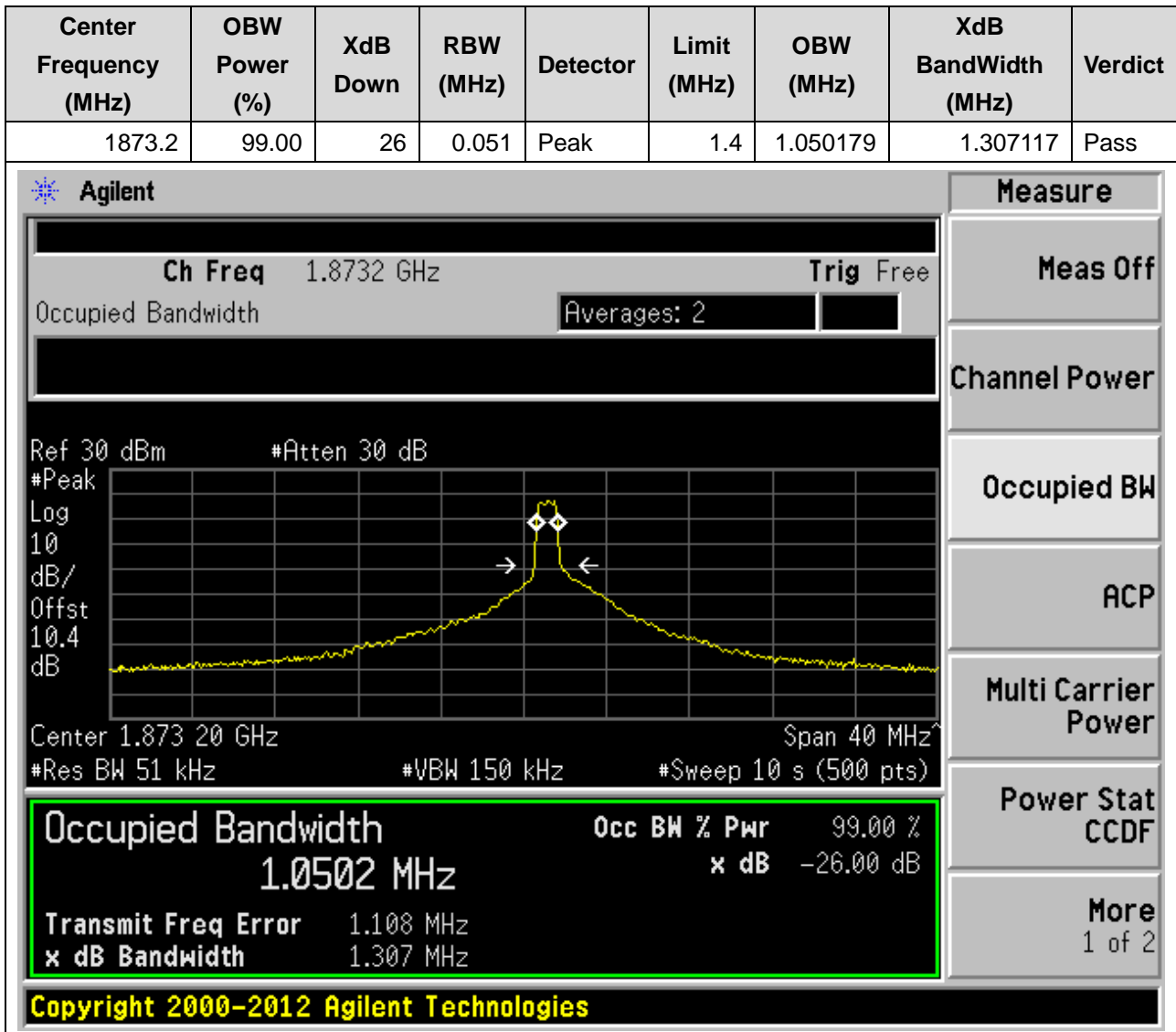
#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>1.1977 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	1.196 MHz	
<b>x dB Bandwidth</b>	1.466 MHz	

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## 9. LTE-M1\_Band25\_16QAM\_20MHz\_5@0\_Index low\_Mid

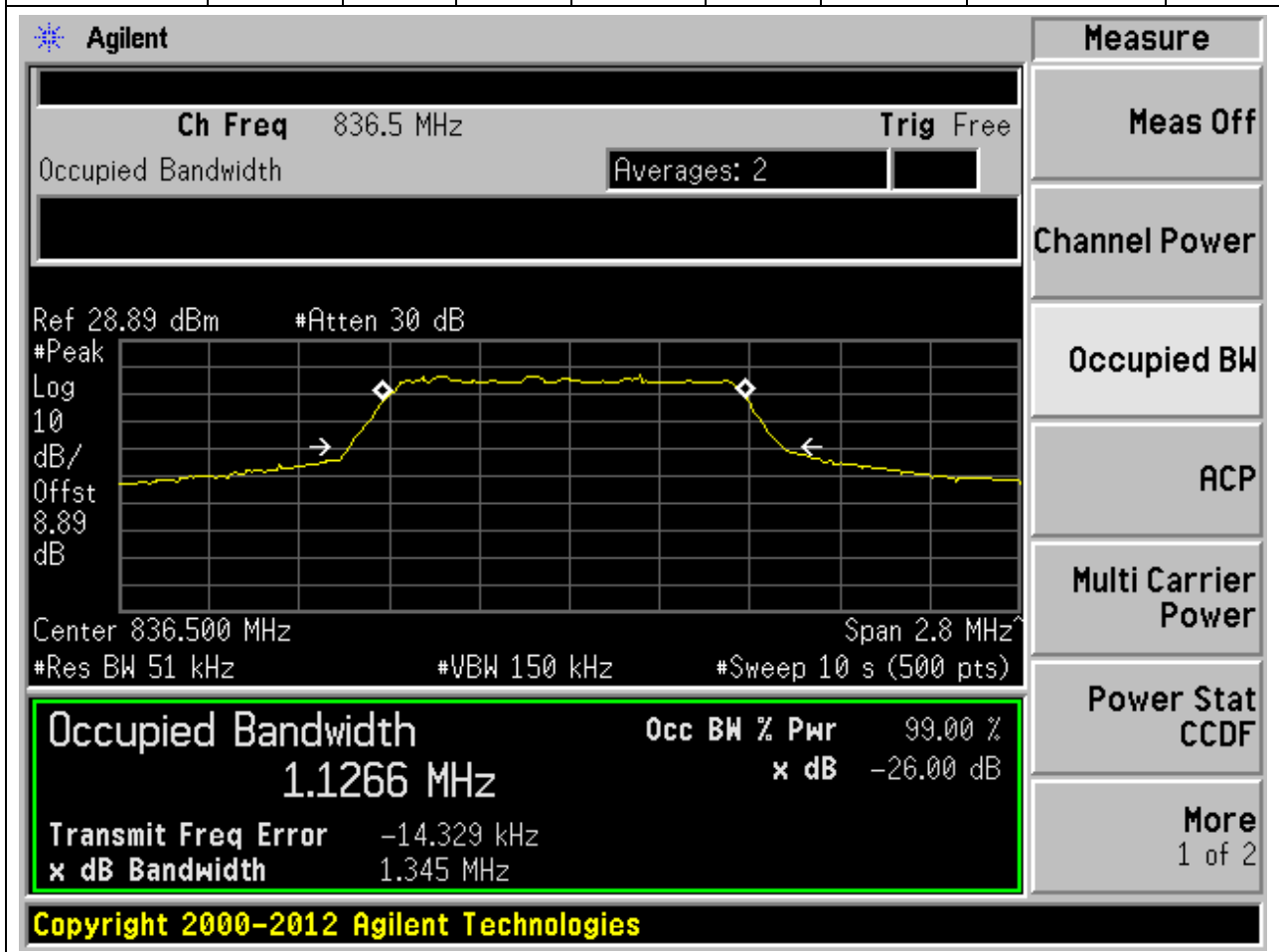
### 9.12. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 10. LTE-M1\_Band26(part22)\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

### 10.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

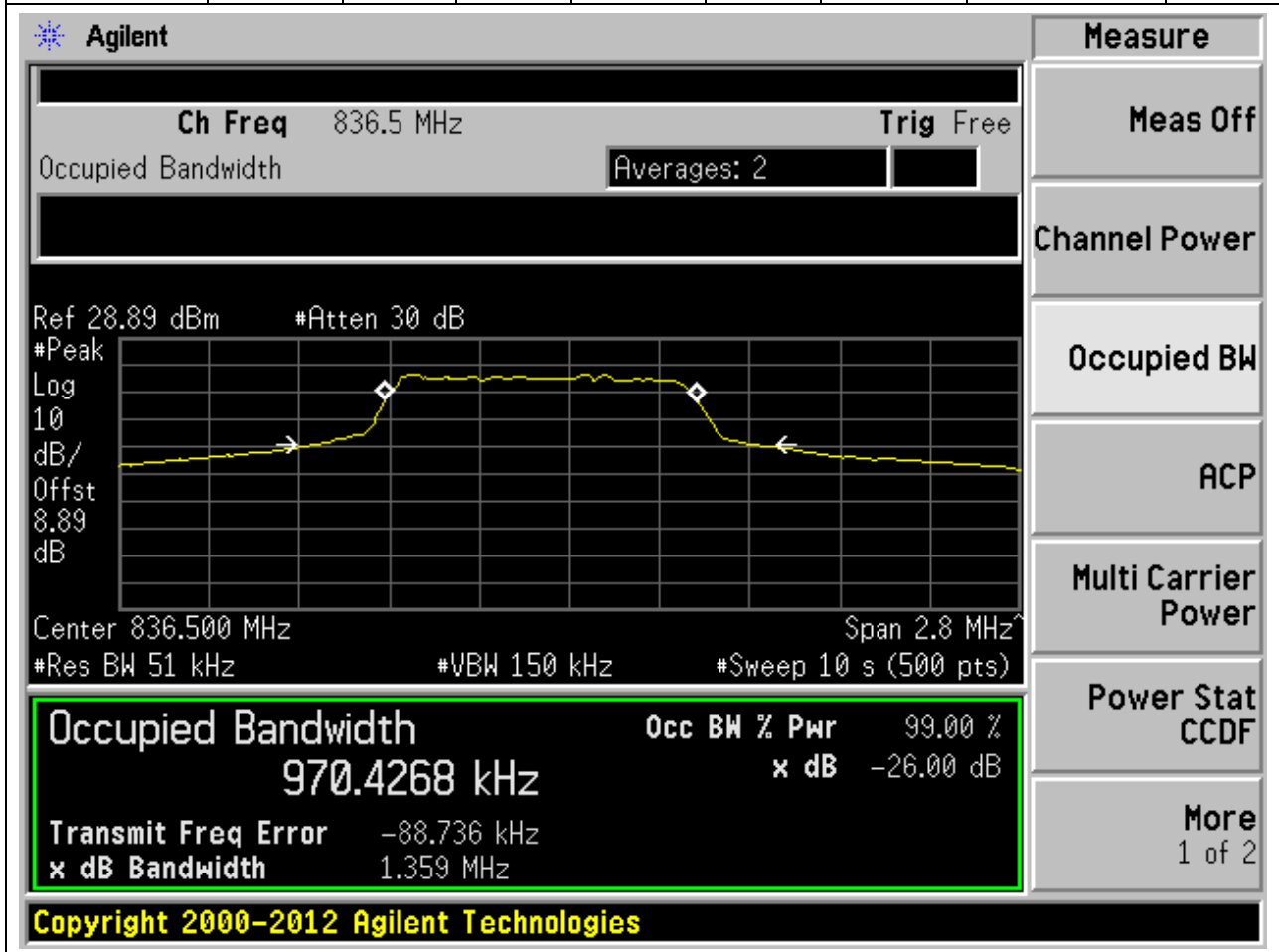
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
836.5	99.00	26	0.051	Peak	1.4	1.126591	1.344905	Pass



## 10. LTE-M1\_Band26(part22)\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

### 10.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

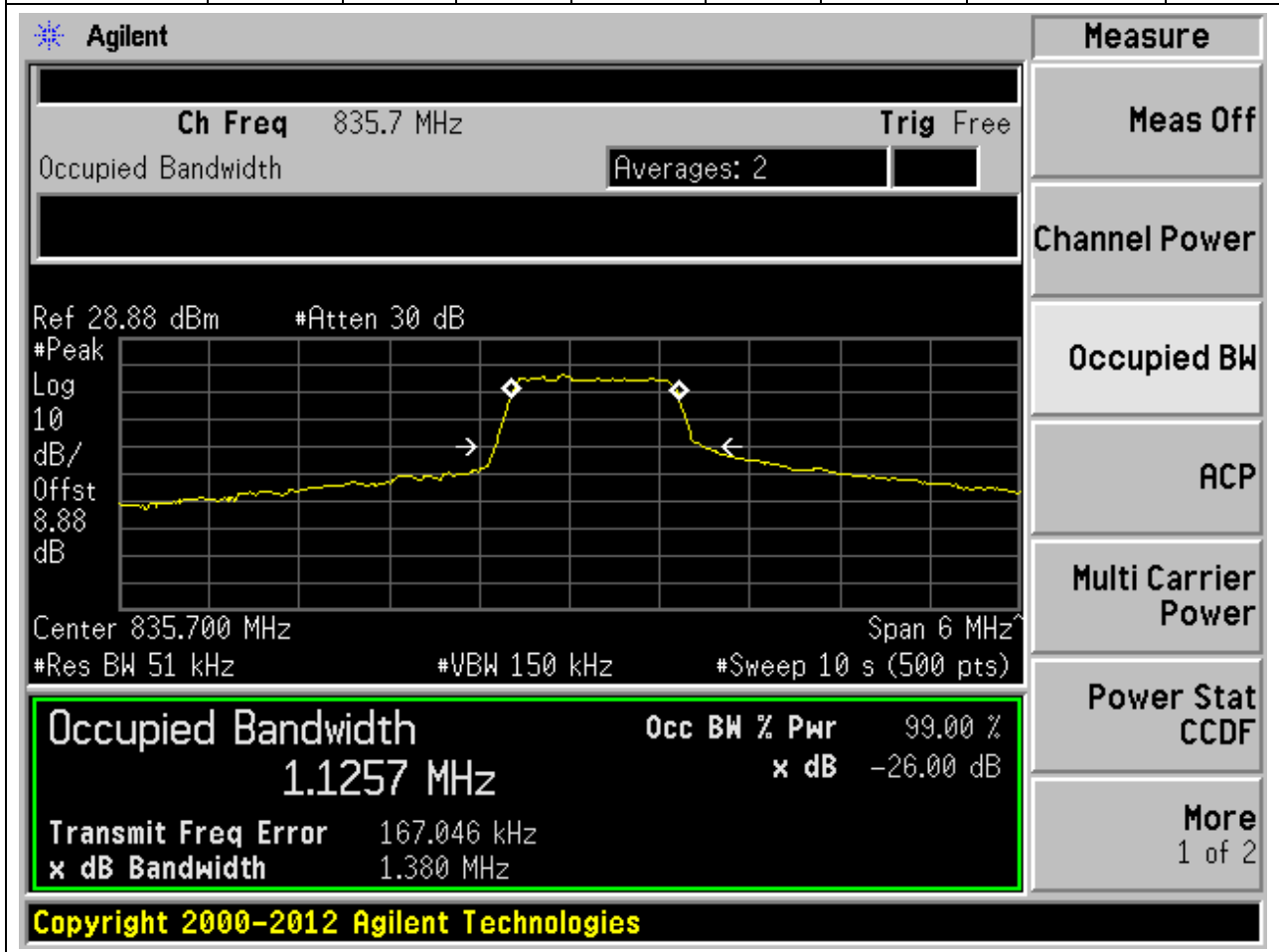
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
836.5	99.00	26	0.051	Peak	1.4	0.970427	1.358957	Pass



## 10. LTE-M1\_Band26(part22)\_QPSK\_3MHz\_6@0\_Index low\_Mid

### 10.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

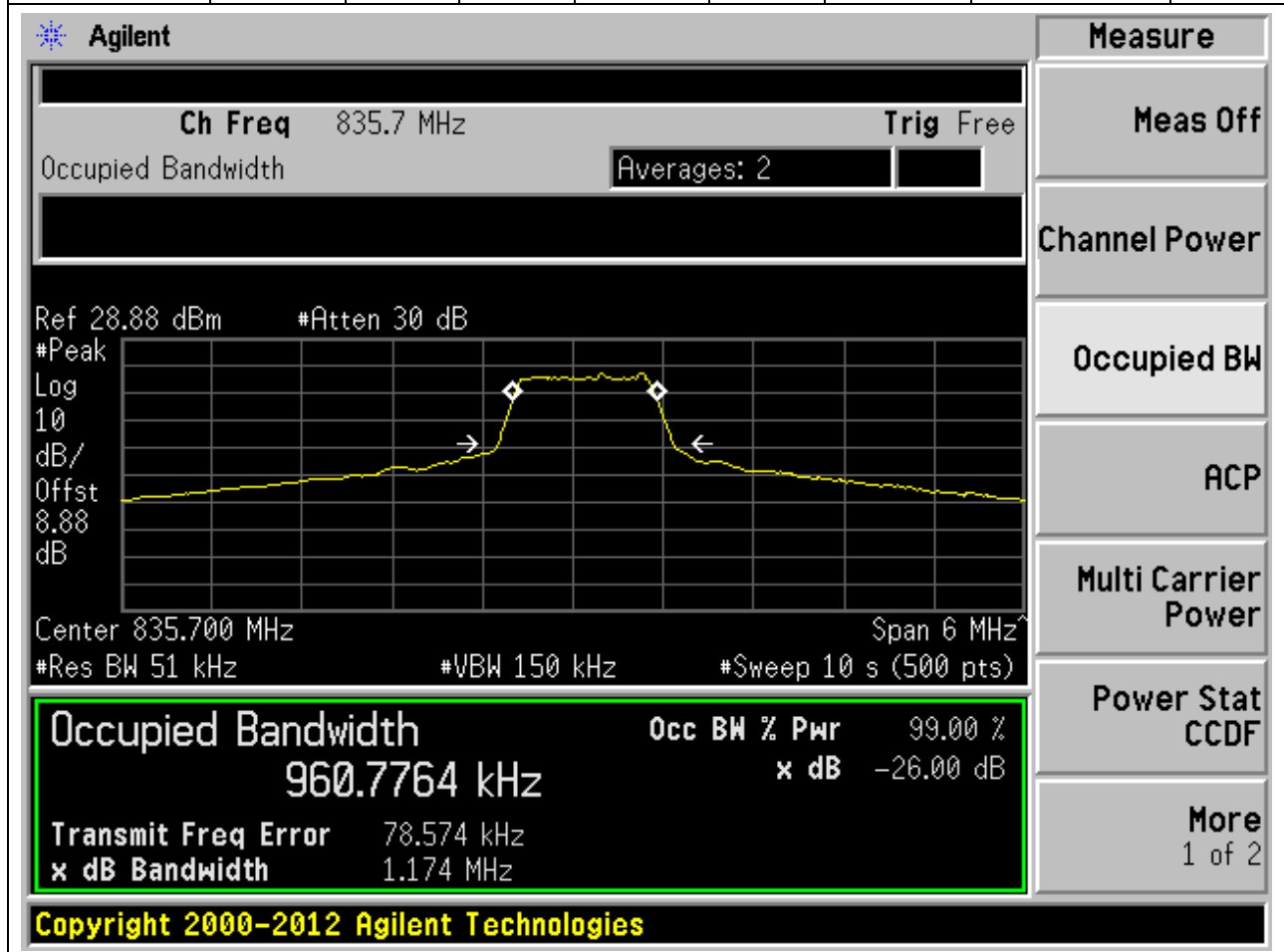
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
835.7	99.00	26	0.051	Peak	1.4	1.125658	1.379545	Pass



## 10. LTE-M1\_Band26(part22)\_16QAM\_3MHz\_5@0\_Index low\_Mid

### 10.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

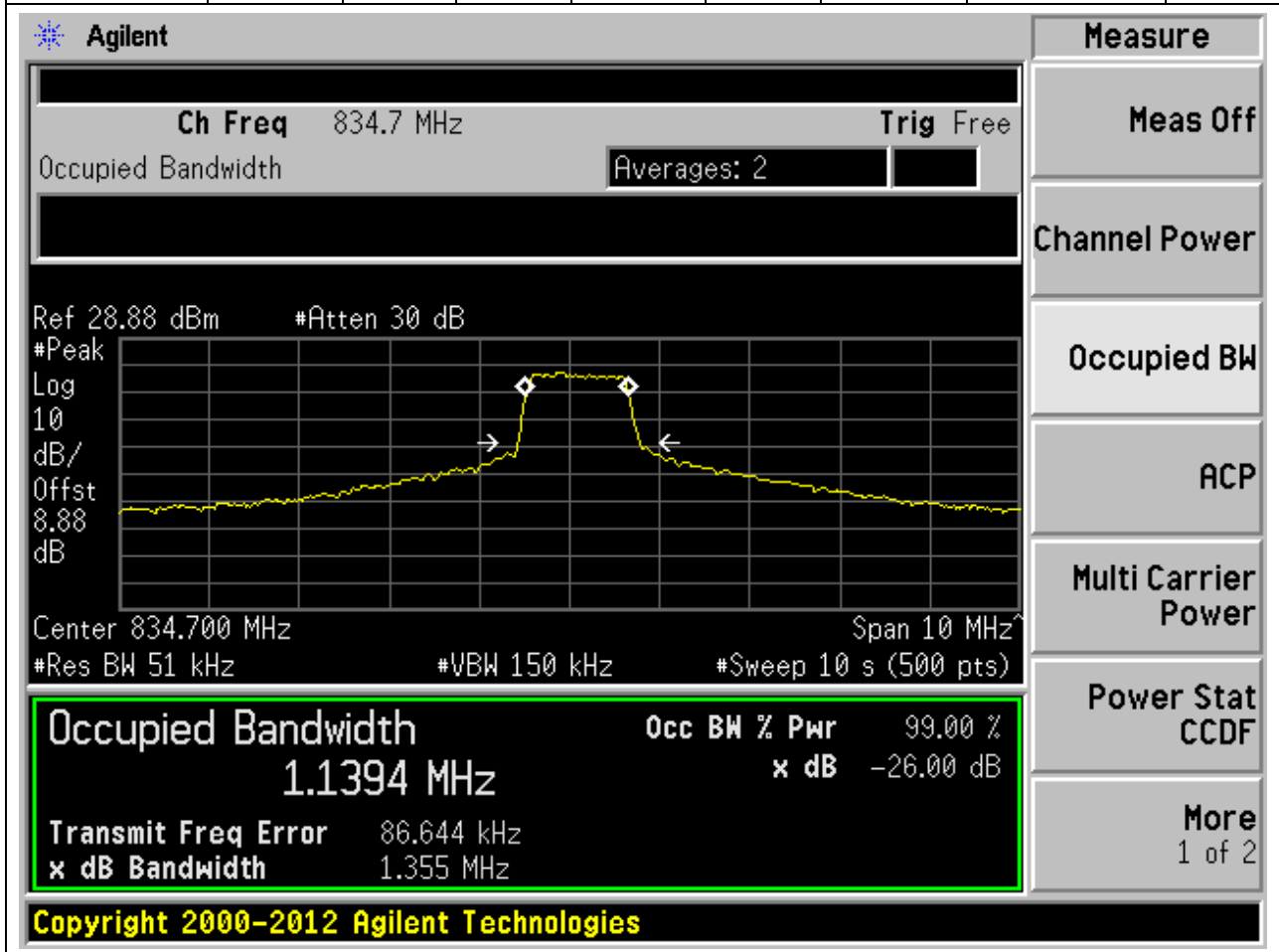
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
835.7	99.00	26	0.051	Peak	1.4	0.960776	1.17377	Pass



## 10. LTE-M1\_Band26(part22)\_QPSK\_5MHz\_6@0\_Index low\_Mid

### 10.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
834.7	99.00	26	0.051	Peak	1.4	1.139394	1.354501	Pass

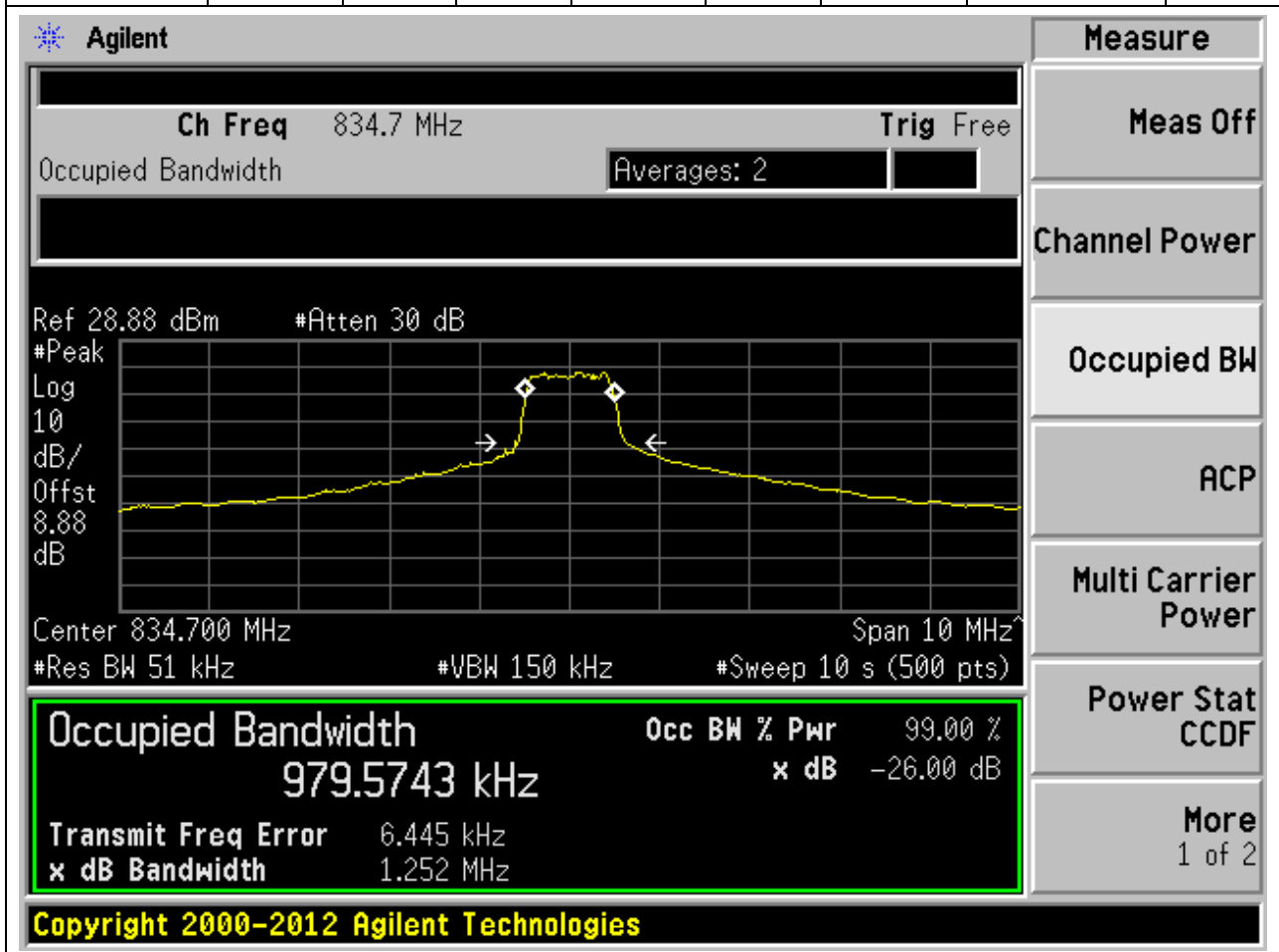




## 10. LTE-M1\_Band26(part22)\_16QAM\_5MHz\_5@0\_Index low\_Mid

### 10.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

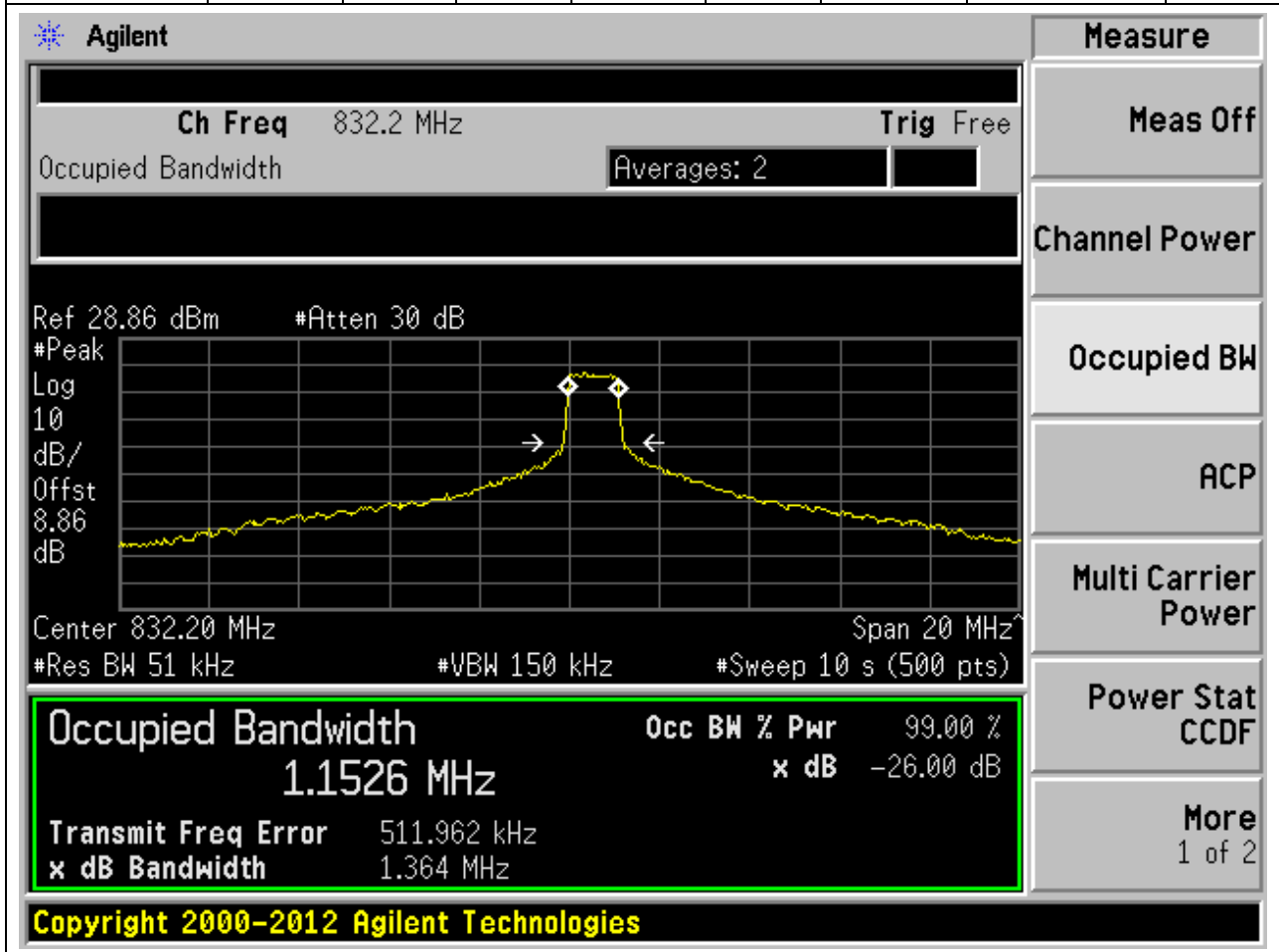
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
834.7	99.00	26	0.051	Peak	1.4	0.979574	1.25236	Pass



## 10. LTE-M1\_Band26(part22)\_QPSK\_10MHz\_6@0\_Index low\_Mid

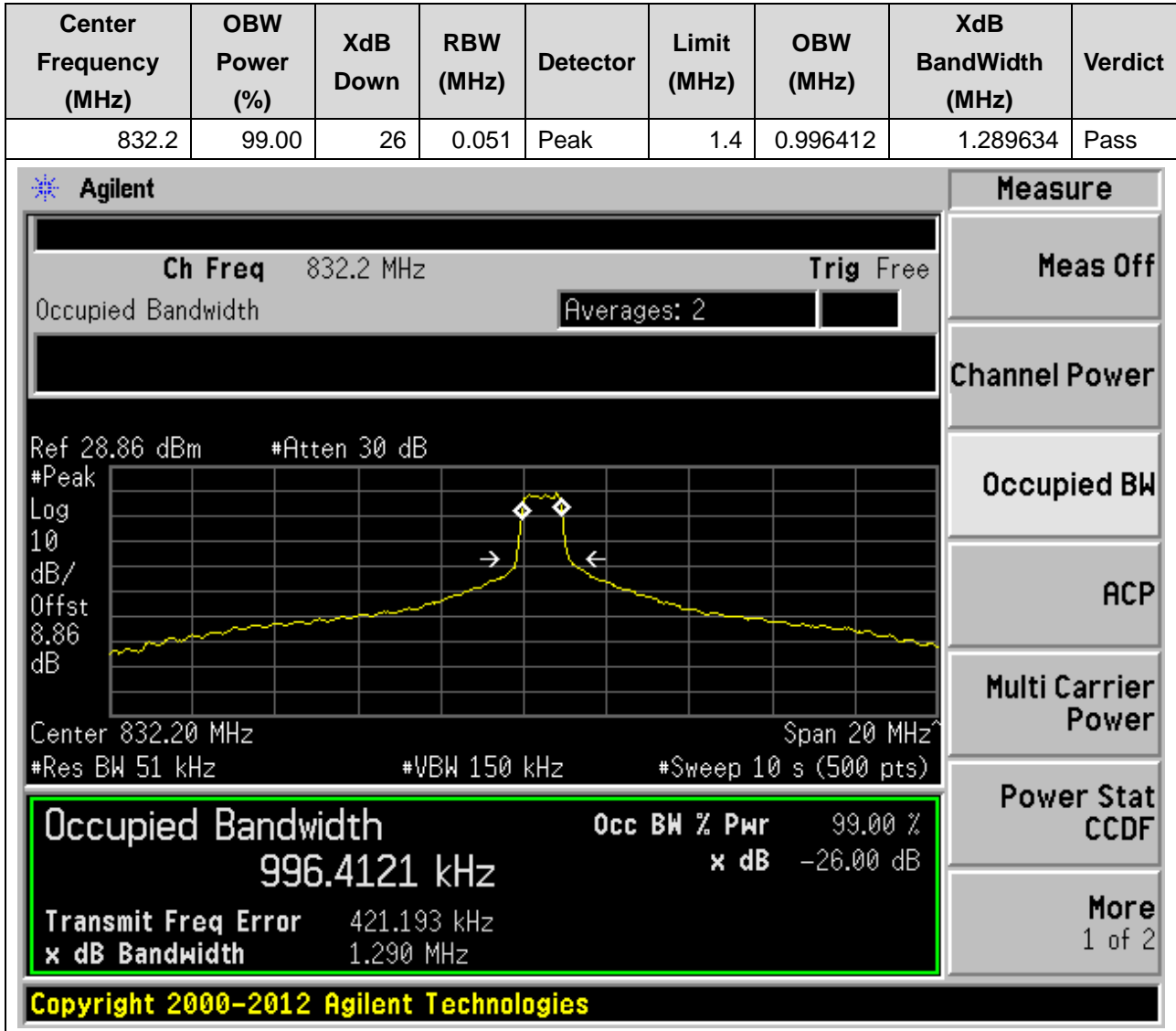
### 10.7. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
832.2	99.00	26	0.051	Peak	1.4	1.152604	1.363967	Pass



## 10. LTE-M1\_Band26(part22)\_16QAM\_10MHz\_5@0\_Index low\_Mid

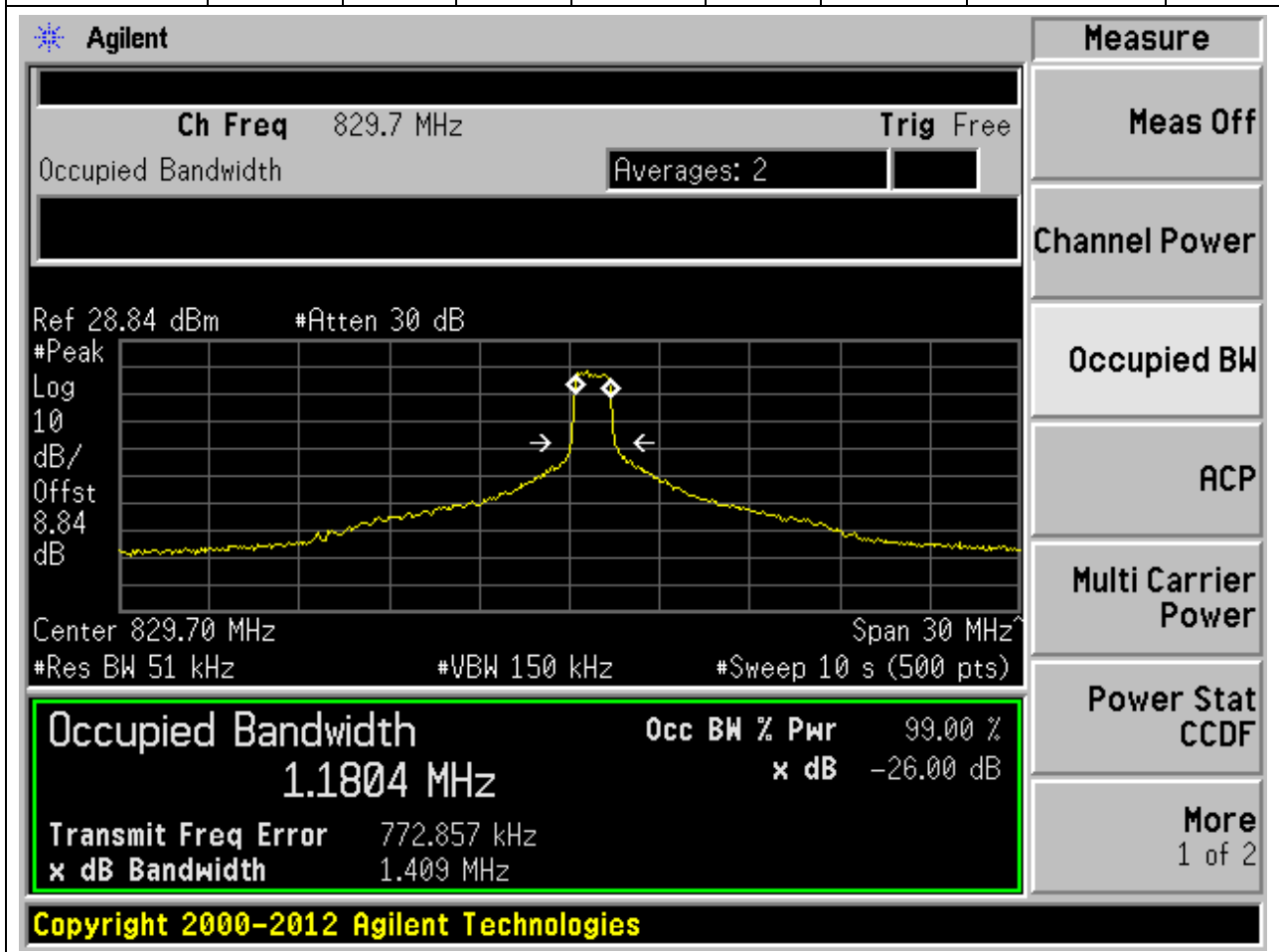
### 10.8. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 10. LTE-M1\_Band26(part22)\_QPSK\_15MHz\_6@0\_Index low\_Mid

### 10.9. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

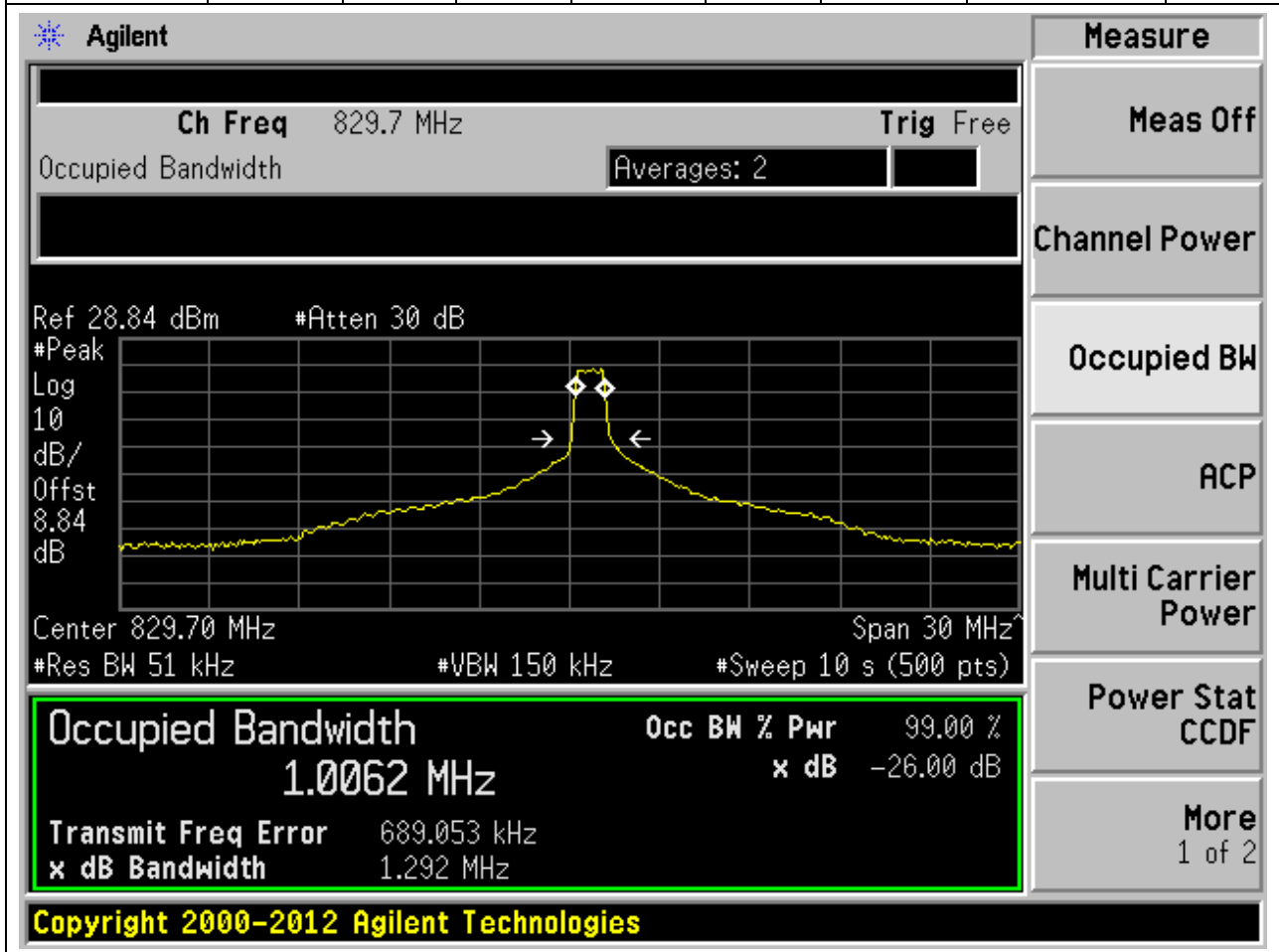
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
829.7	99.00	26	0.051	Peak	1.4	1.180443	1.409011	Pass



## 10. LTE-M1\_Band26(part22)\_16QAM\_15MHz\_5@0\_Index low\_Mid

### 10.10. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

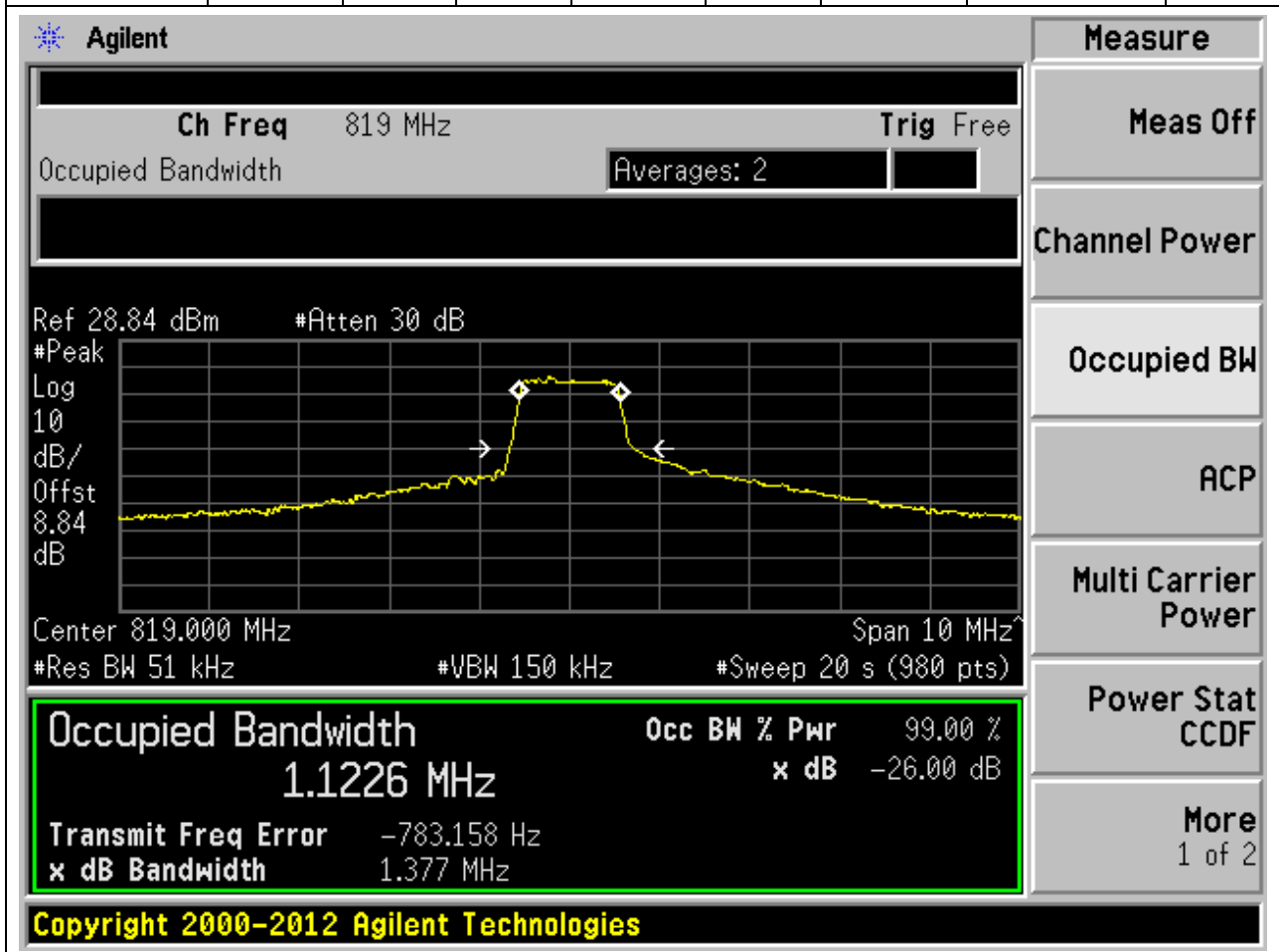
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
829.7	99.00	26	0.051	Peak	1.4	1.006233	1.292006	Pass



## 11. LTE-M1\_Band26(part 90)\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

### 11.1. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

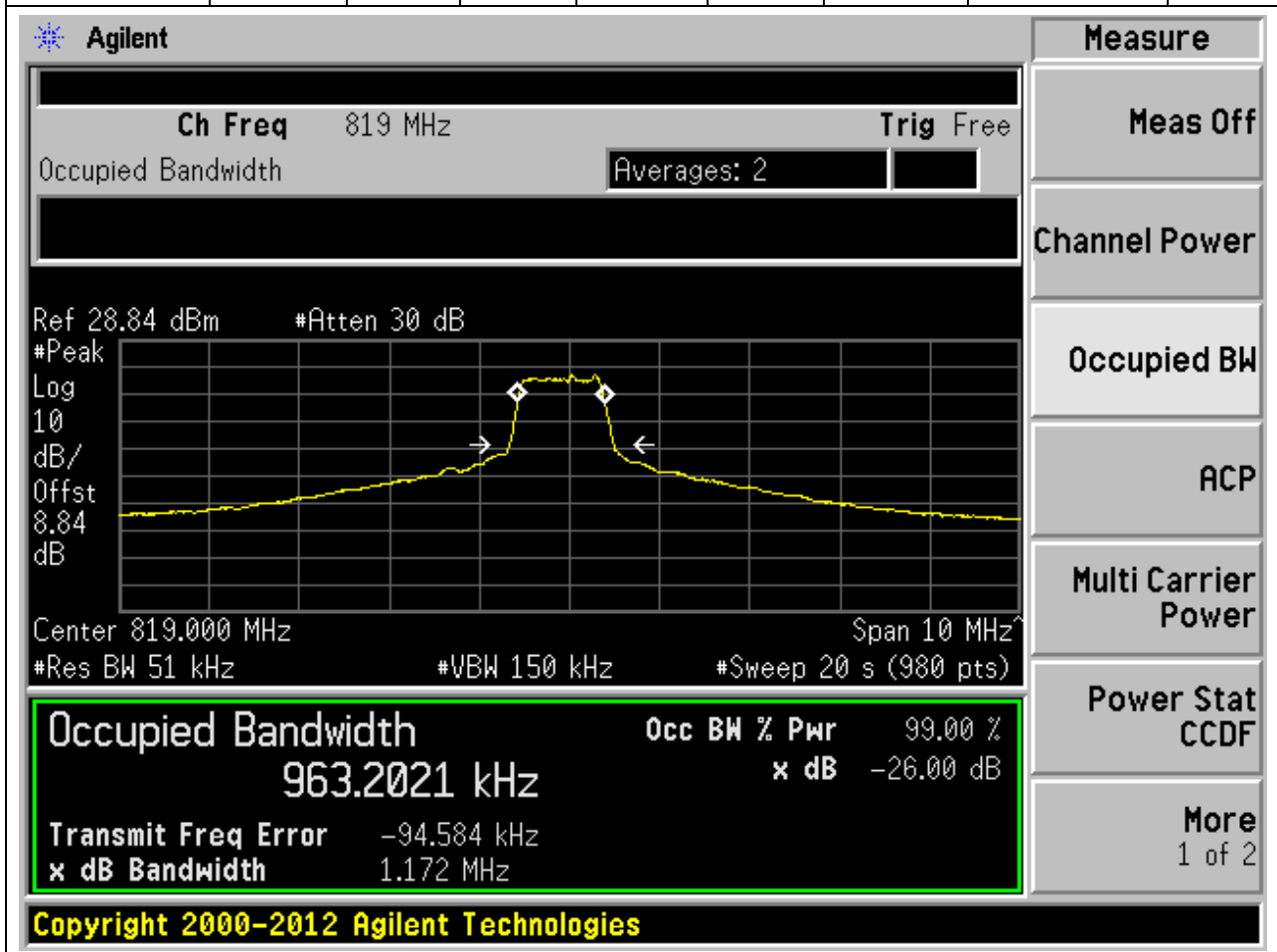
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
819	99.00	26	0.051	Peak	1.4	1.122625	1.377172	Pass



## 11. LTE-M1\_Band26(part 90)\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

### 11.2. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

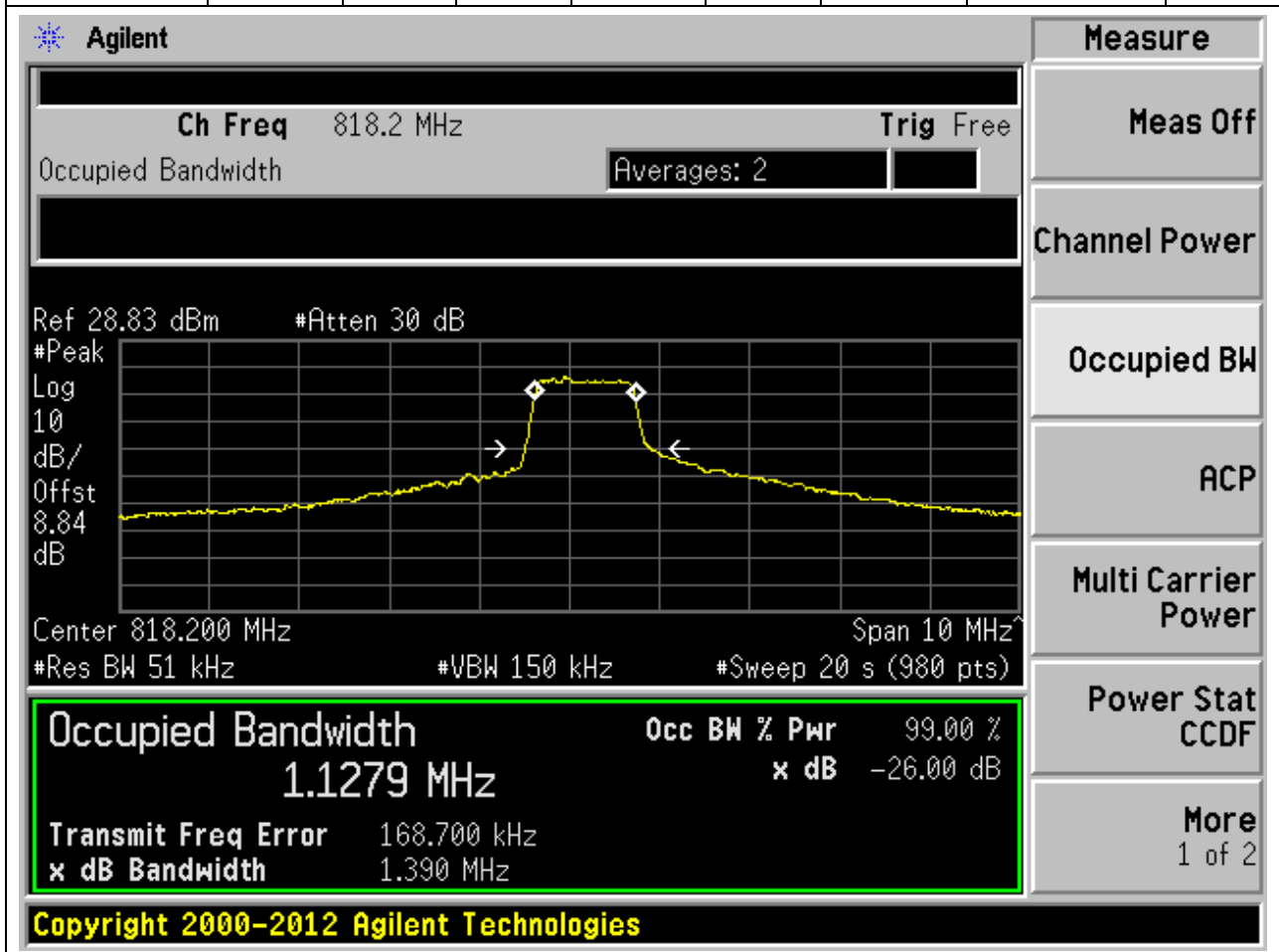
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
819	99.00	26	0.051	Peak	1.4	0.963202	1.172404	Pass



## 11. LTE-M1\_Band26(part 90)\_QPSK\_3MHz\_6@0\_Index low\_Mid

### 11.3. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
818.2	99.00	26	0.051	Peak	1.4	1.127917	1.390046	Pass

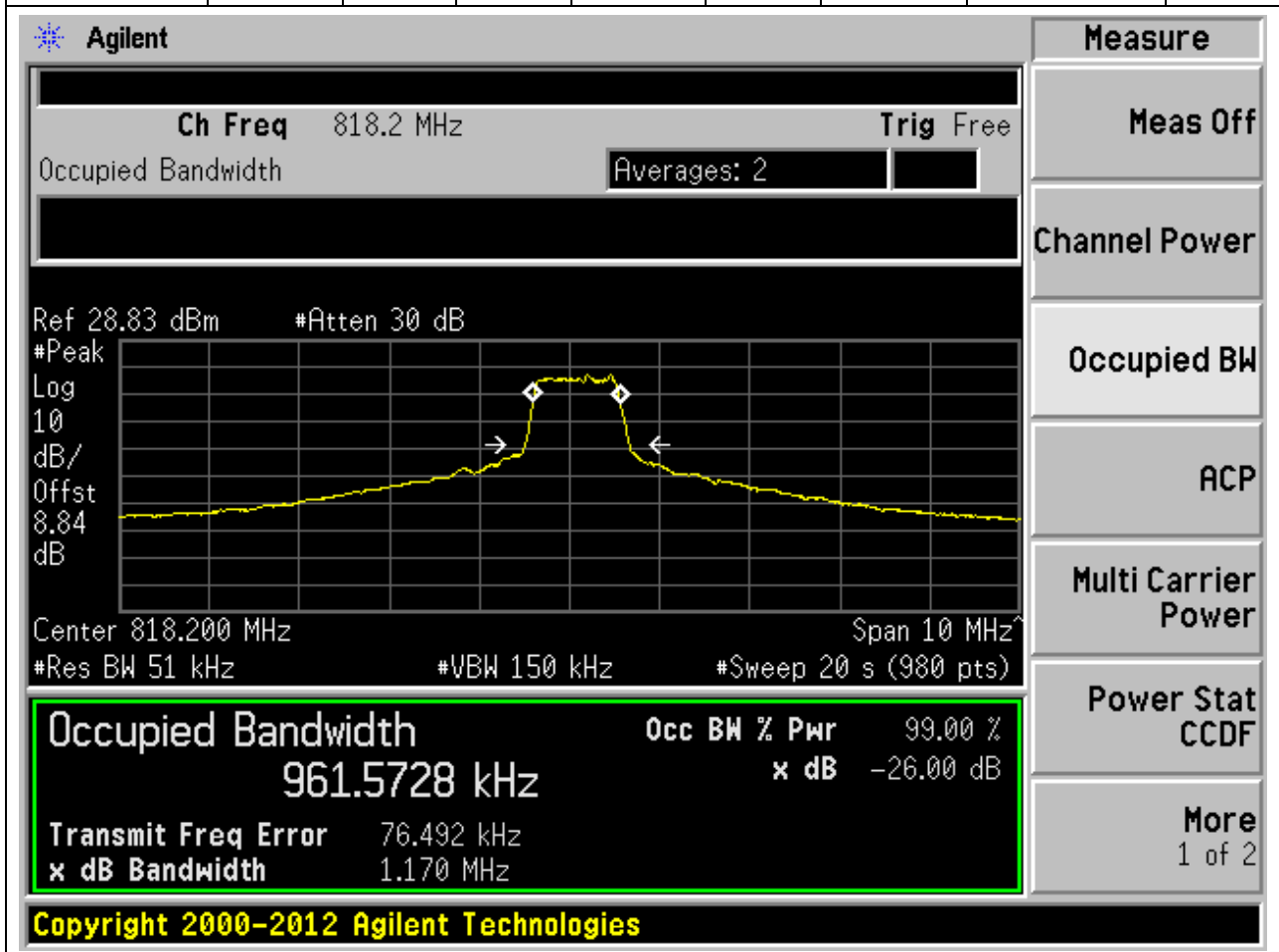




## 11. LTE-M1\_Band26(part 90)\_16QAM\_3MHz\_5@0\_Index low\_Mid

### 11.4. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

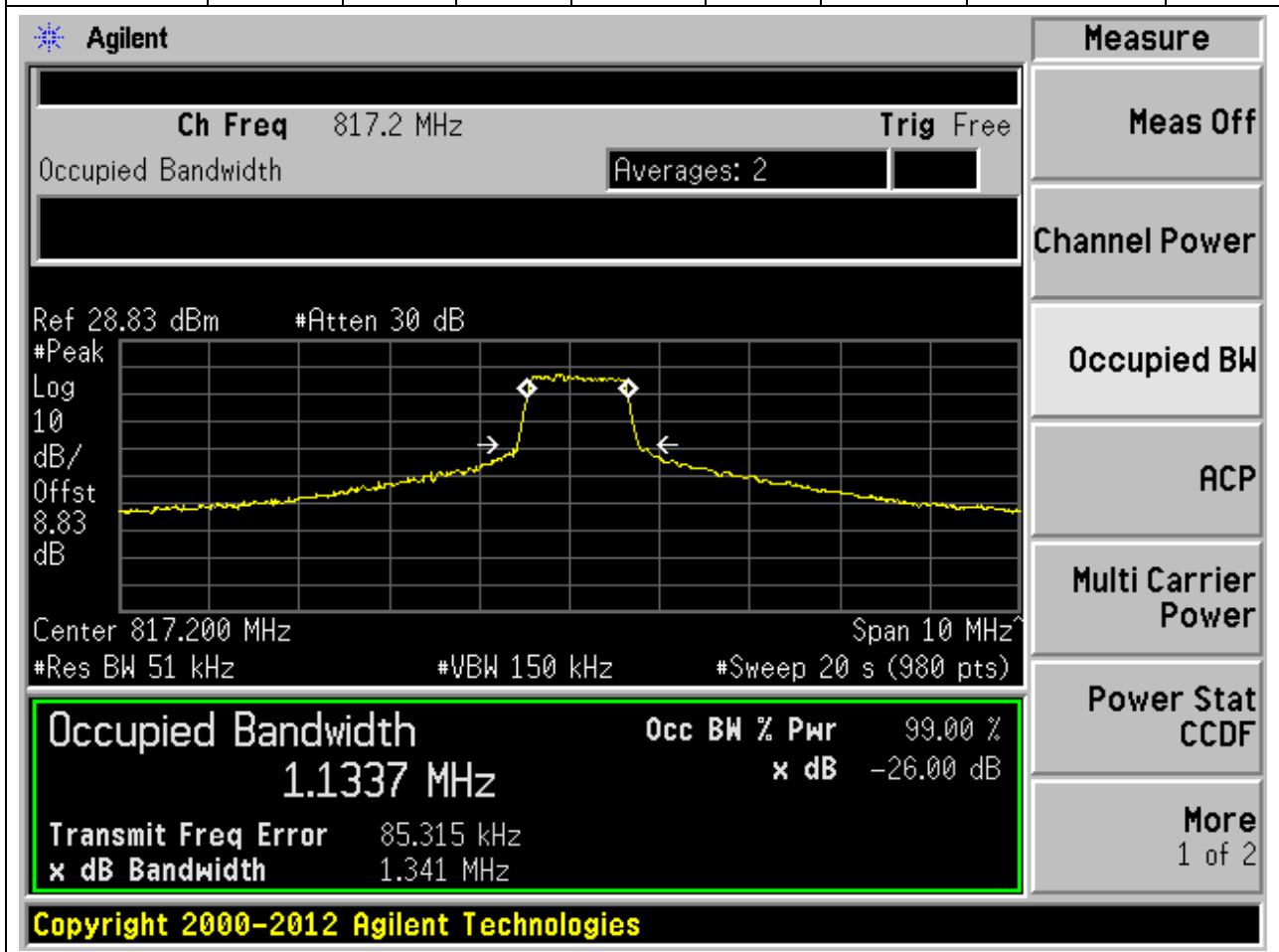
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
818.2	99.00	26	0.051	Peak	1.4	0.961573	1.169569	Pass



## 11. LTE-M1\_Band26(part 90)\_QPSK\_5MHz\_6@0\_Index low\_Mid

### 11.5. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

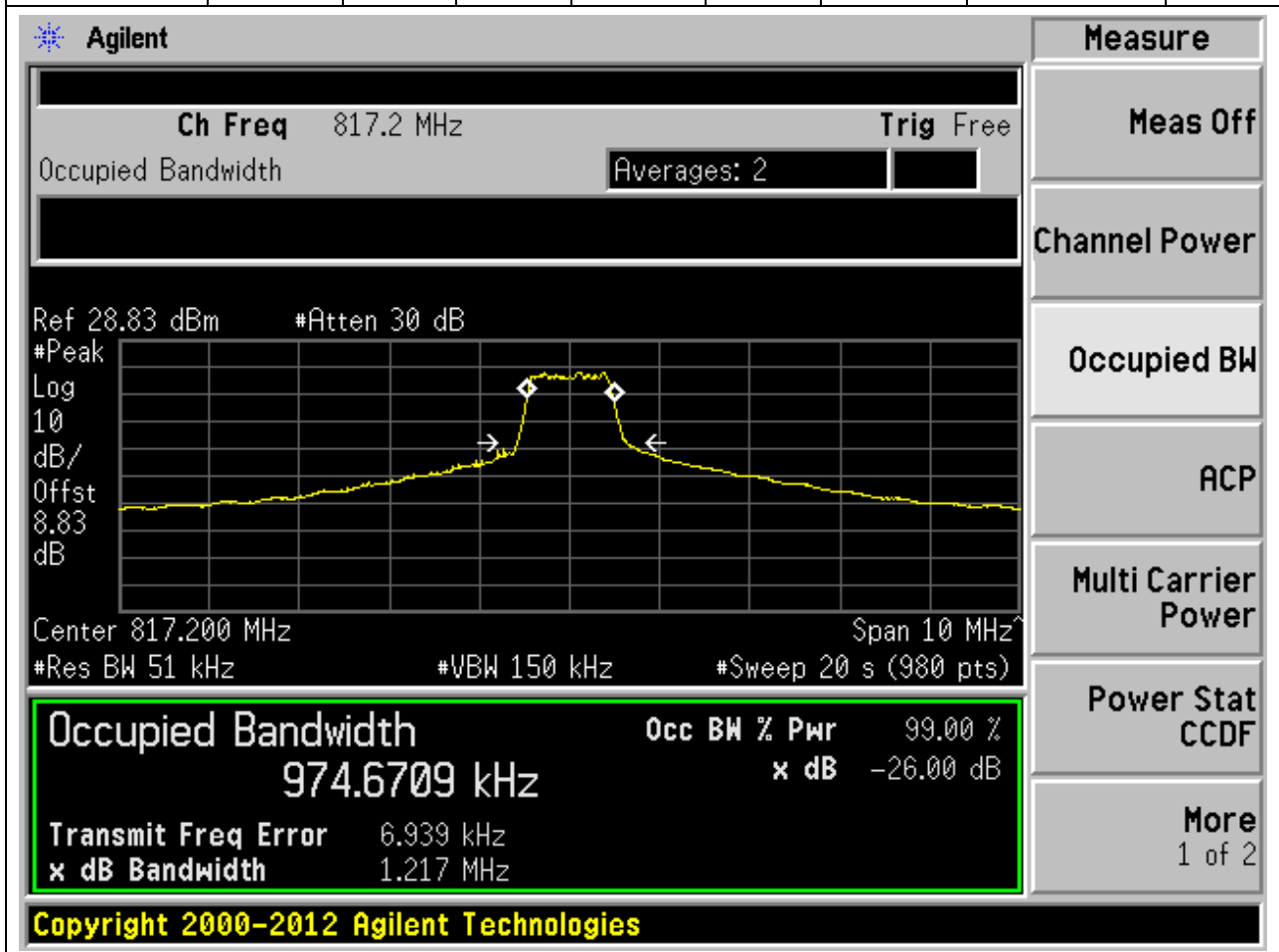
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
817.2	99.00	26	0.051	Peak	1.4	1.133745	1.340553	Pass



## 11. LTE-M1\_Band26(part 90)\_16QAM\_5MHz\_5@0\_Index low\_Mid

### 11.6. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

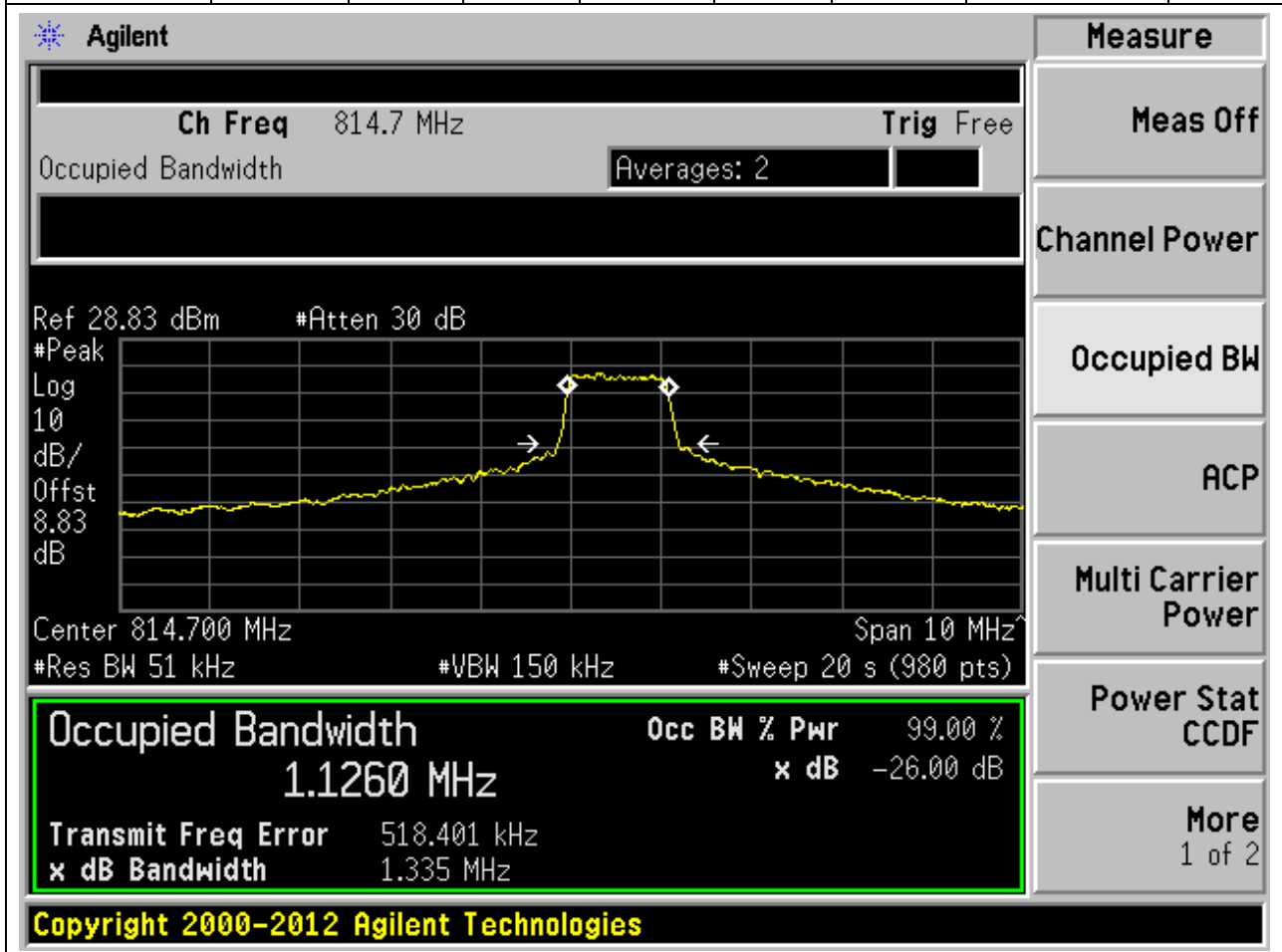
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
817.2	99.00	26	0.051	Peak	1.4	0.974671	1.217172	Pass



## 11. LTE-M1\_Band26(part 90)\_QPSK\_10MHz\_6@0\_Index low\_Mid

### 11.7. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

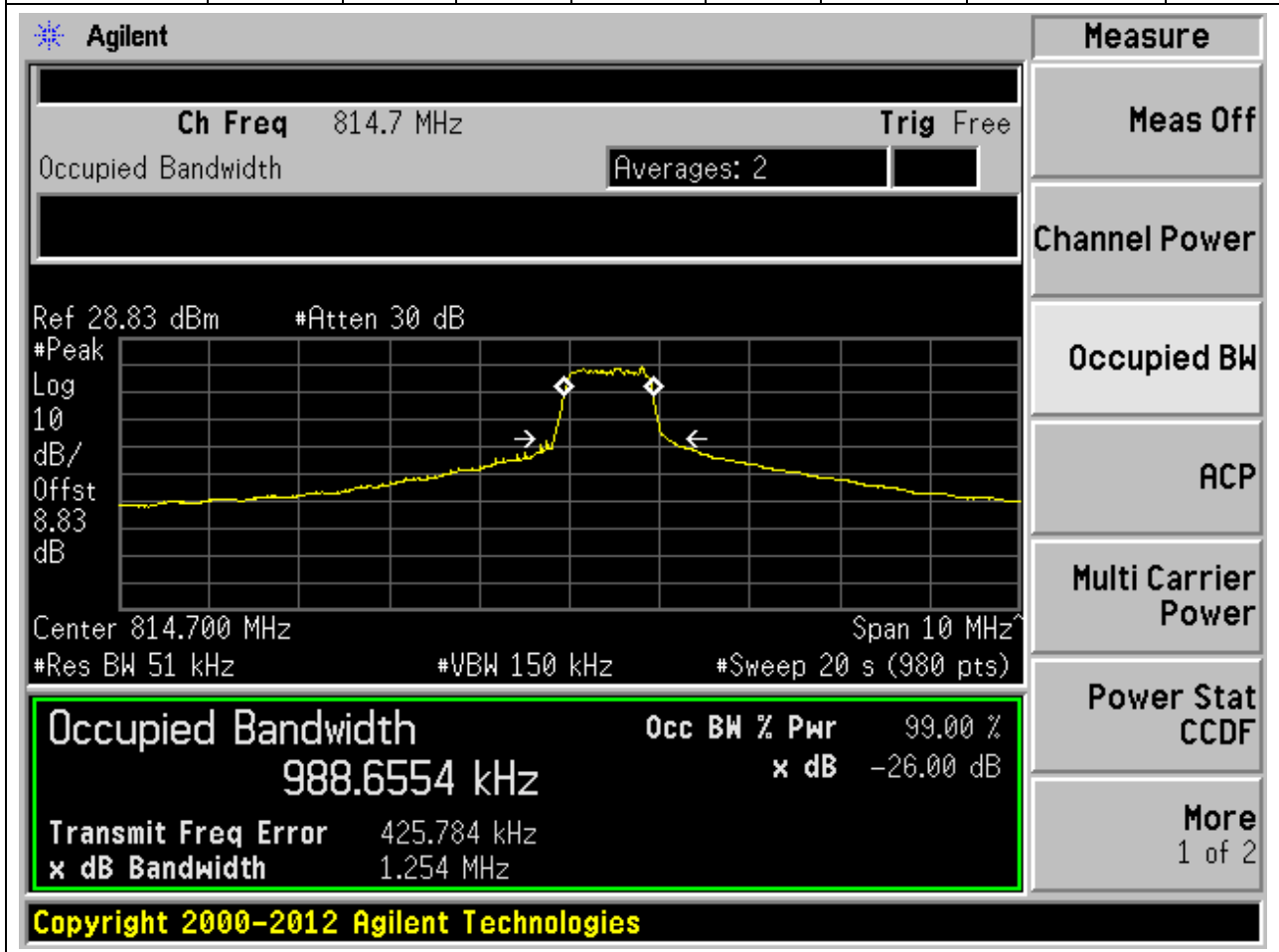
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
814.7	99.00	26	0.051	Peak	1.4	1.12603	1.335345	Pass



## 11. LTE-M1\_Band26(part 90)\_16QAM\_10MHz\_5@0\_Index low\_Mid

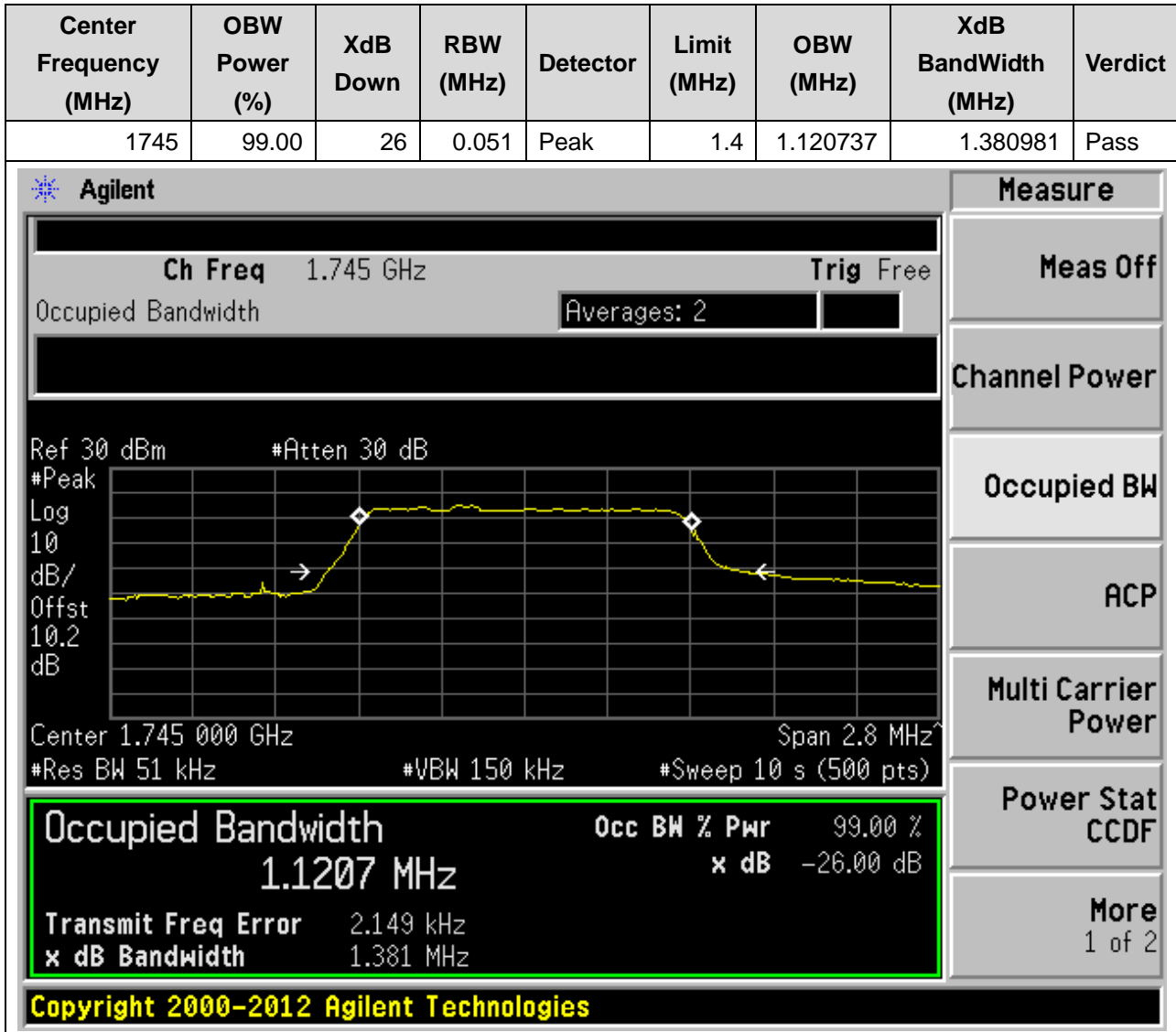
### 11.8. LTE-M1 Occupied Bandwidth\_Part90(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
814.7	99.00	26	0.051	Peak	1.4	0.988655	1.253637	Pass



## 12. LTE-M1\_Band66\_QPSK\_1.4MHz\_6@0\_Index low\_Mid

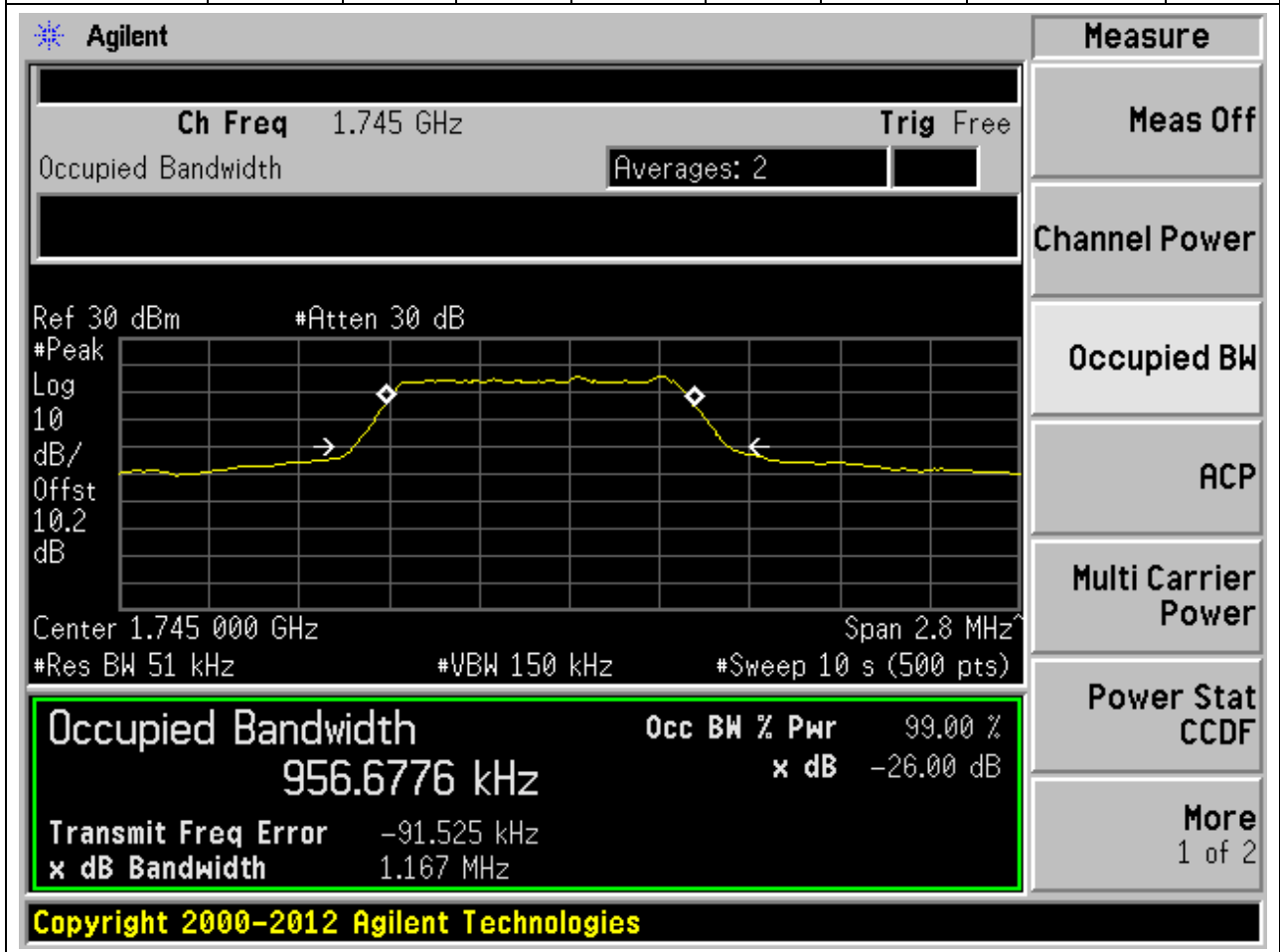
### 12.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 12. LTE-M1\_Band66\_16QAM\_1.4MHz\_5@0\_Index low\_Mid

### 12.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1745	99.00	26	0.051	Peak	1.4	0.956678	1.167057	Pass



## 12. LTE-M1\_Band66\_QPSK\_3MHz\_6@0\_Index low\_Mid

### 12.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1744.2	99.00	26	0.051	Peak	1.4	1.129823	1.373168	Pass

**Agilent**

Ch Freq 1.7442 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.2 dB

Center 1.744 20 GHz Span 6 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

**1.1298 MHz** x dB -26.00 dB

Transmit Freq Error 171.022 kHz

x dB Bandwidth 1.373 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

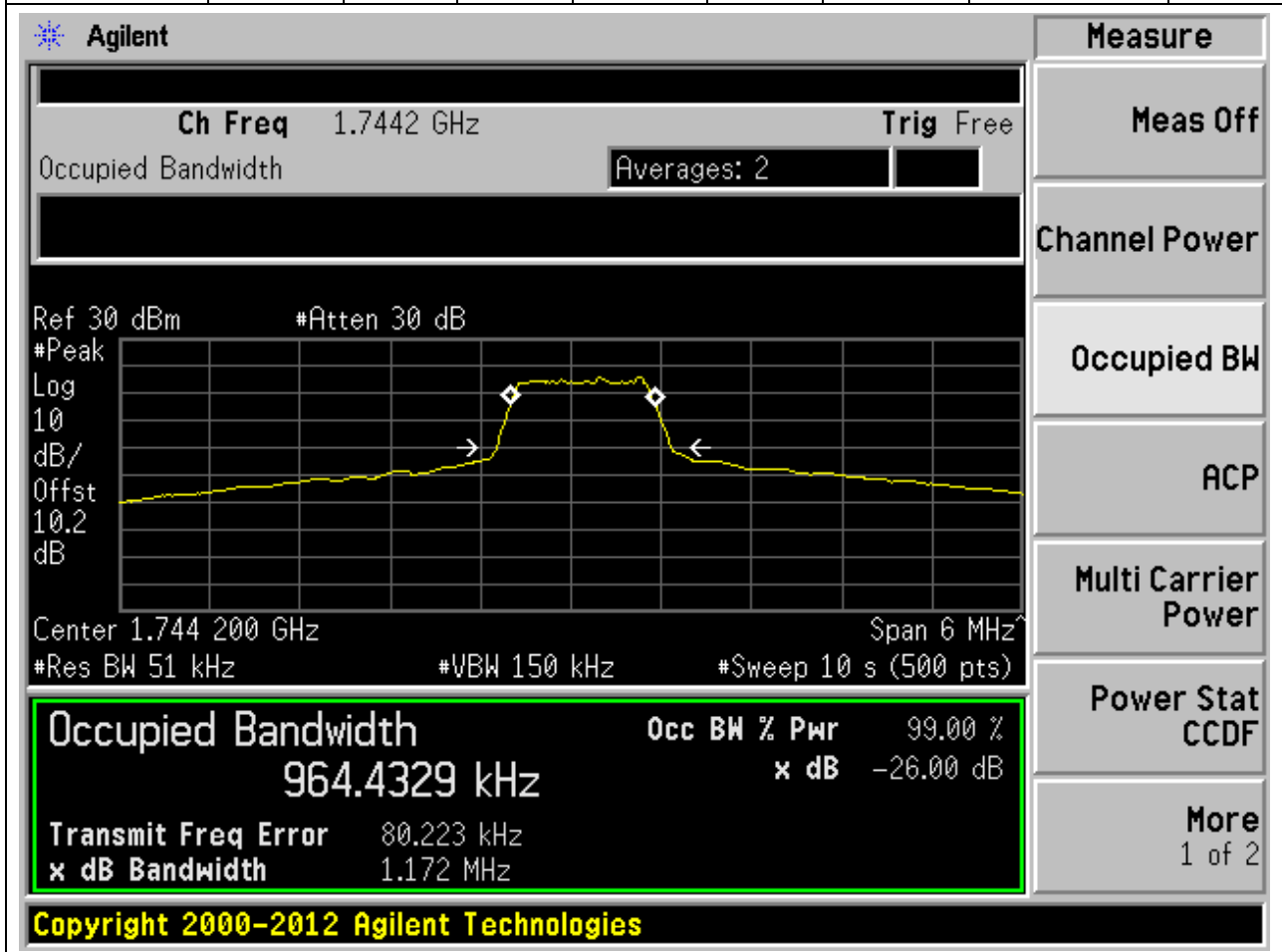
More 1 of 2



## 12. LTE-M1\_Band66\_16QAM\_3MHz\_5@0\_Index low\_Mid

### 12.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

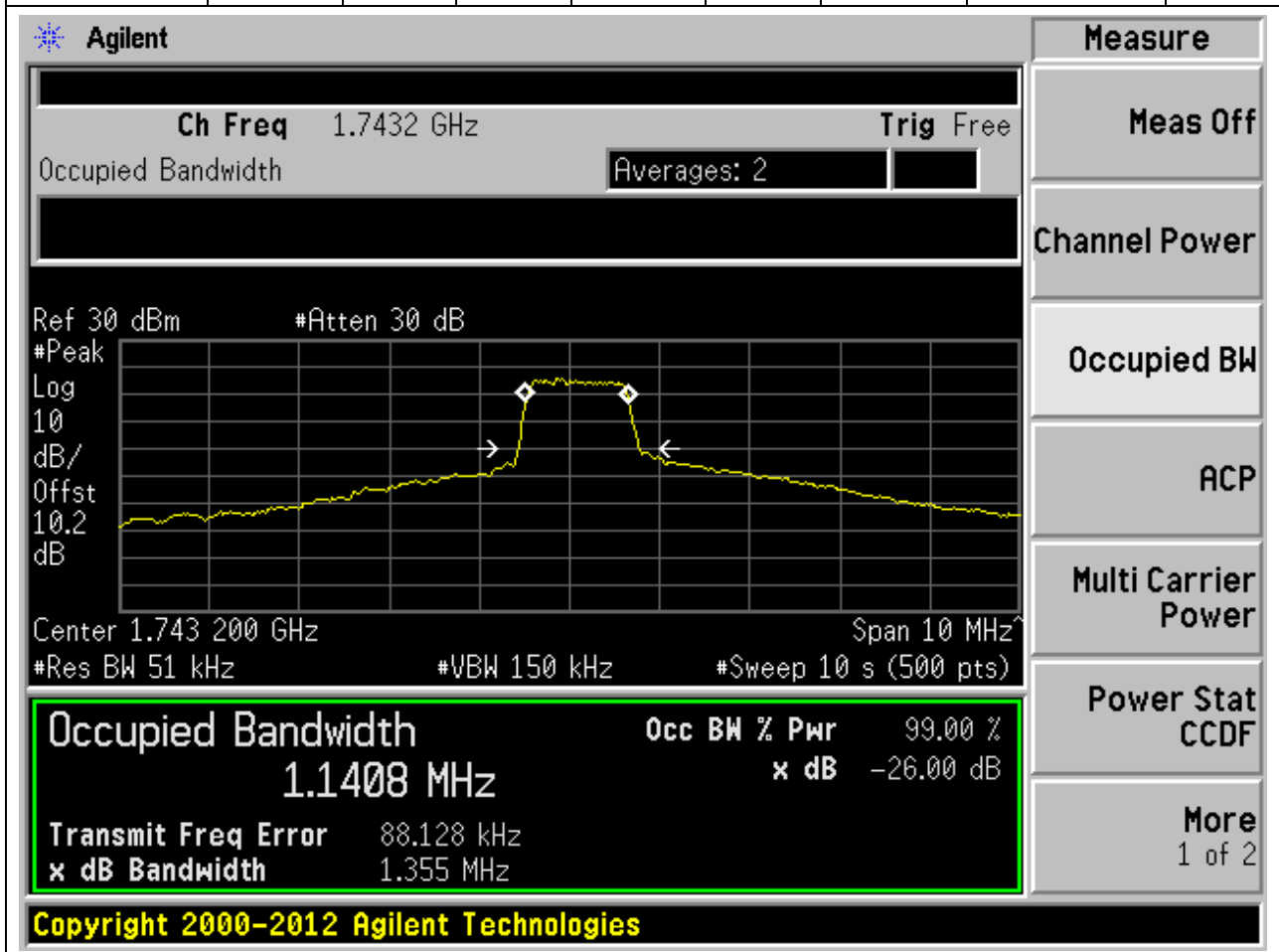
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1744.2	99.00	26	0.051	Peak	1.4	0.964433	1.171572	Pass



## 12. LTE-M1\_Band66\_QPSK\_5MHz\_6@0\_Index low\_Mid

### 12.5. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

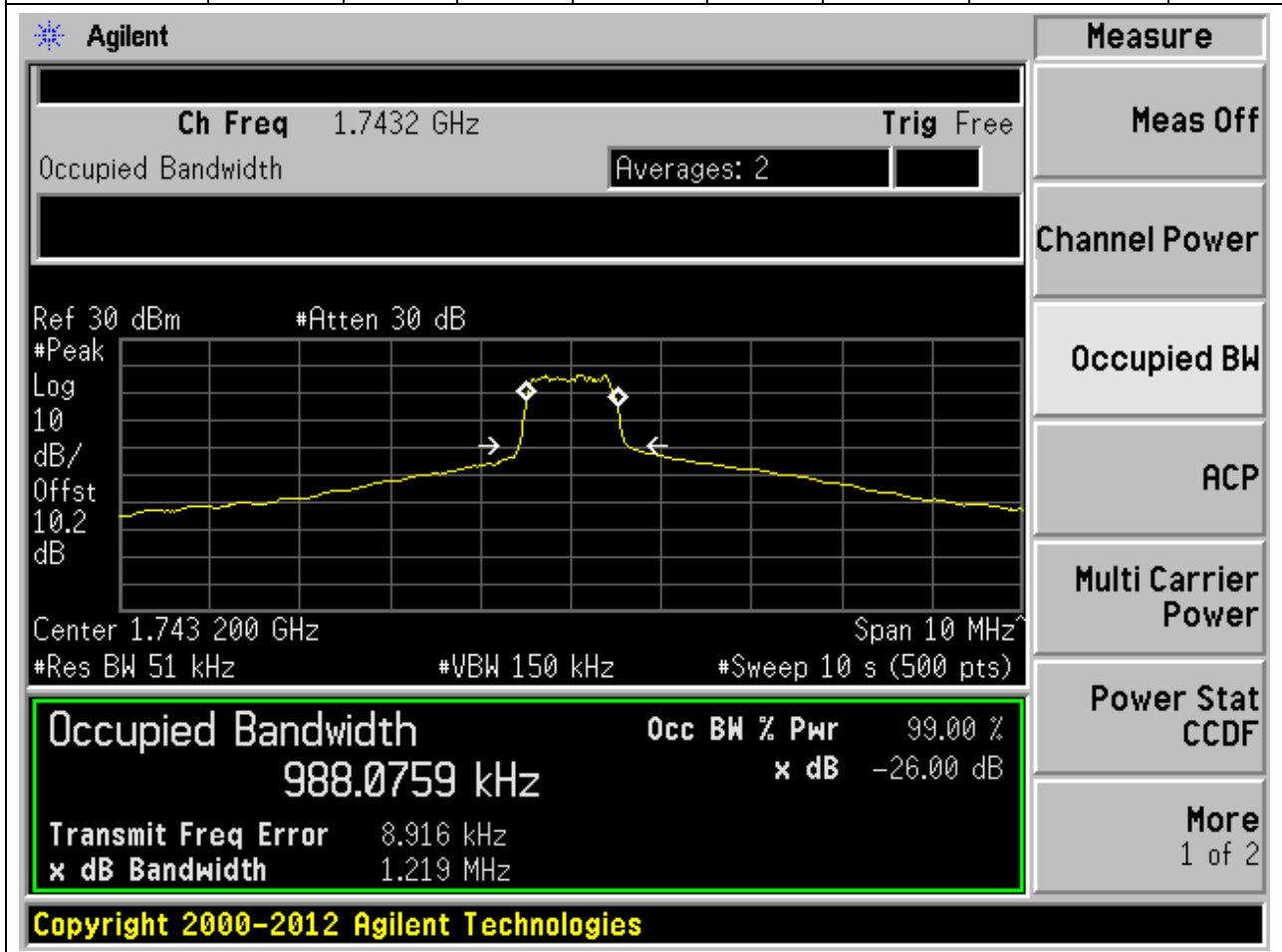
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1743.2	99.00	26	0.051	Peak	1.4	1.140837	1.354685	Pass



## 12. LTE-M1\_Band66\_16QAM\_5MHz\_5@0\_Index low\_Mid

### 12.6. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

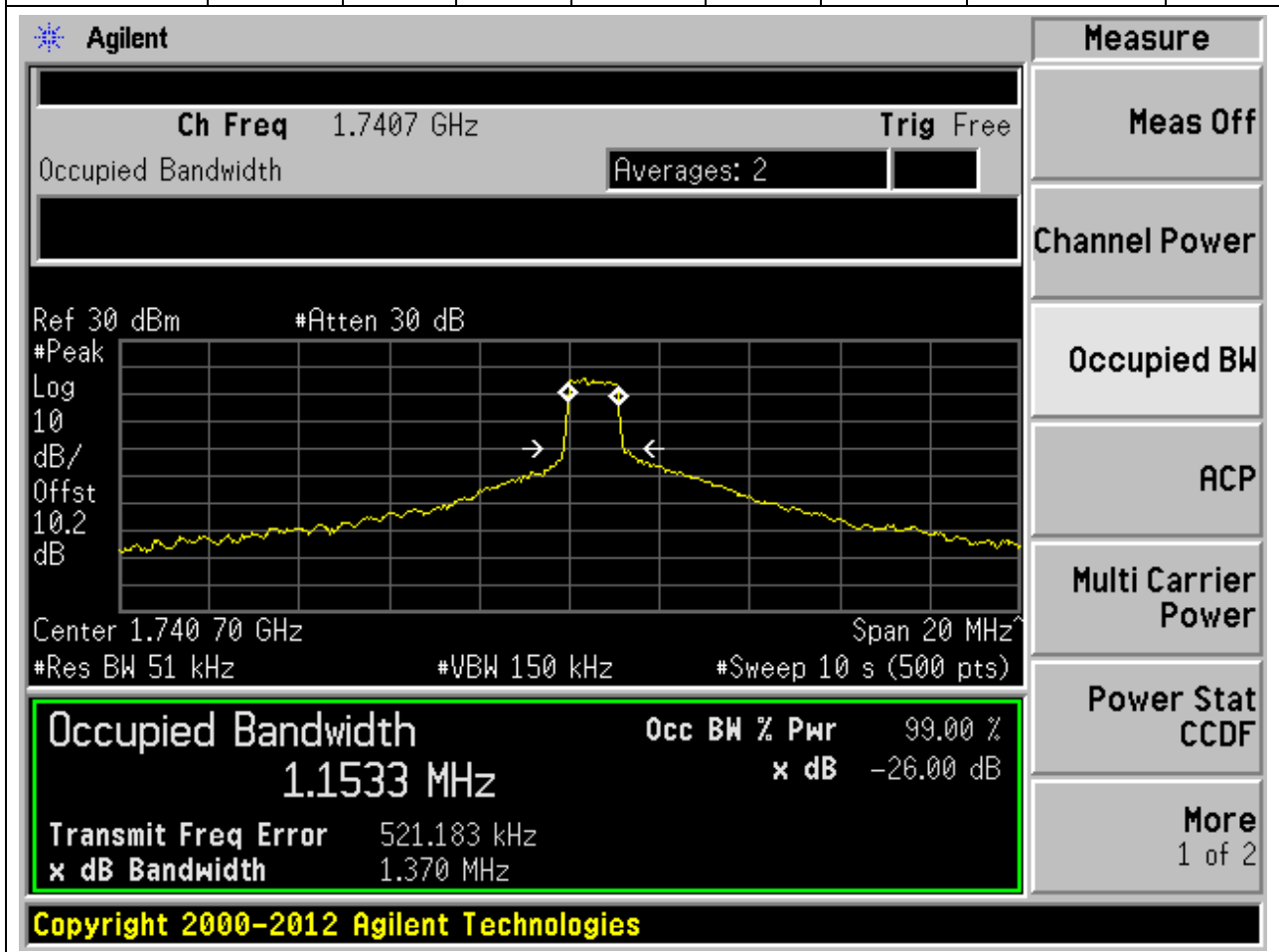
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1743.2	99.00	26	0.051	Peak	1.4	0.988076	1.218631	Pass



## 12. LTE-M1\_Band66\_QPSK\_10MHz\_6@0\_Index low\_Mid

### 12.7. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

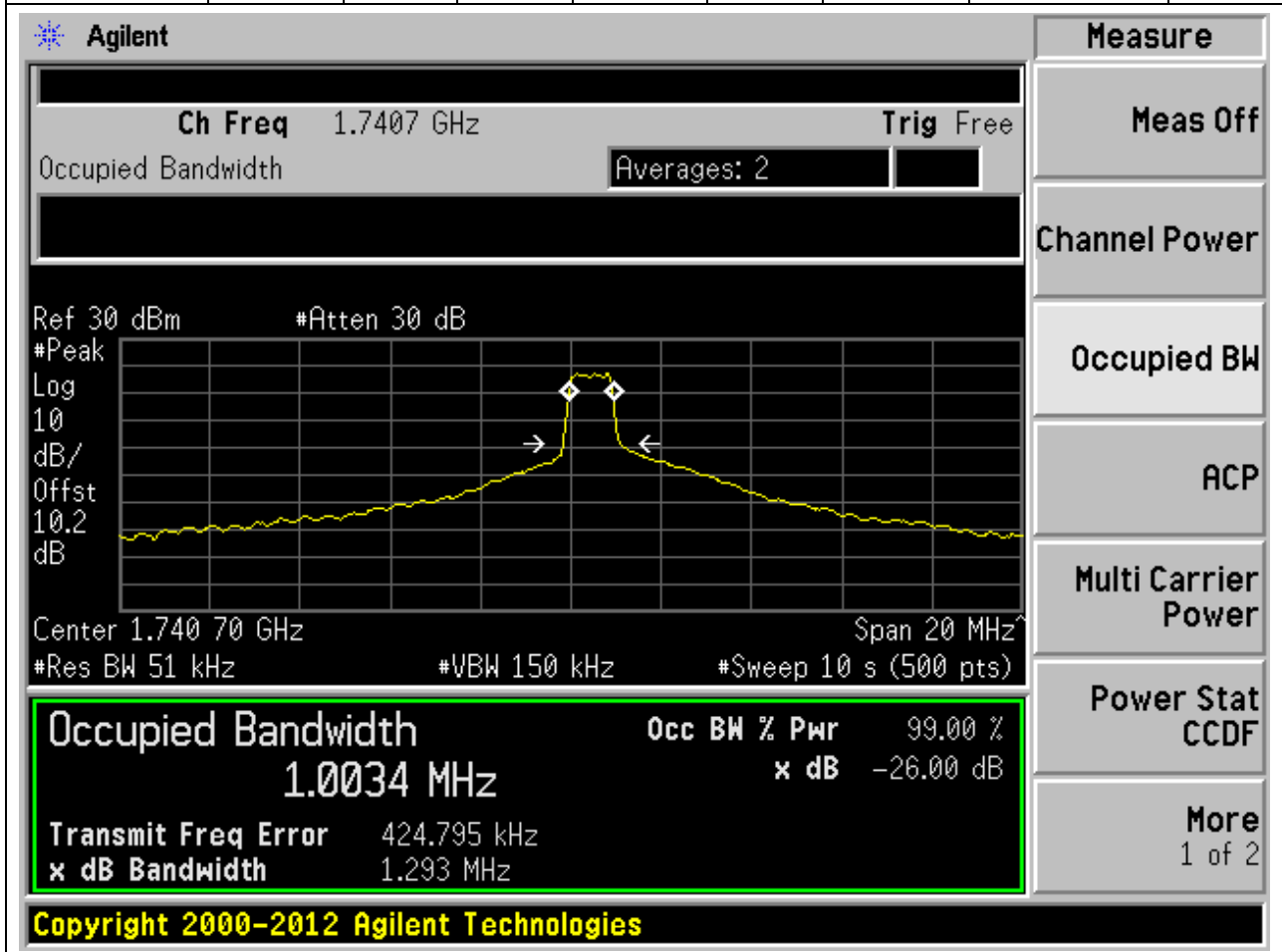
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1740.7	99.00	26	0.051	Peak	1.4	1.153324	1.370401	Pass



## 12. LTE-M1\_Band66\_16QAM\_10MHz\_5@0\_Index low\_Mid

### 12.8. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

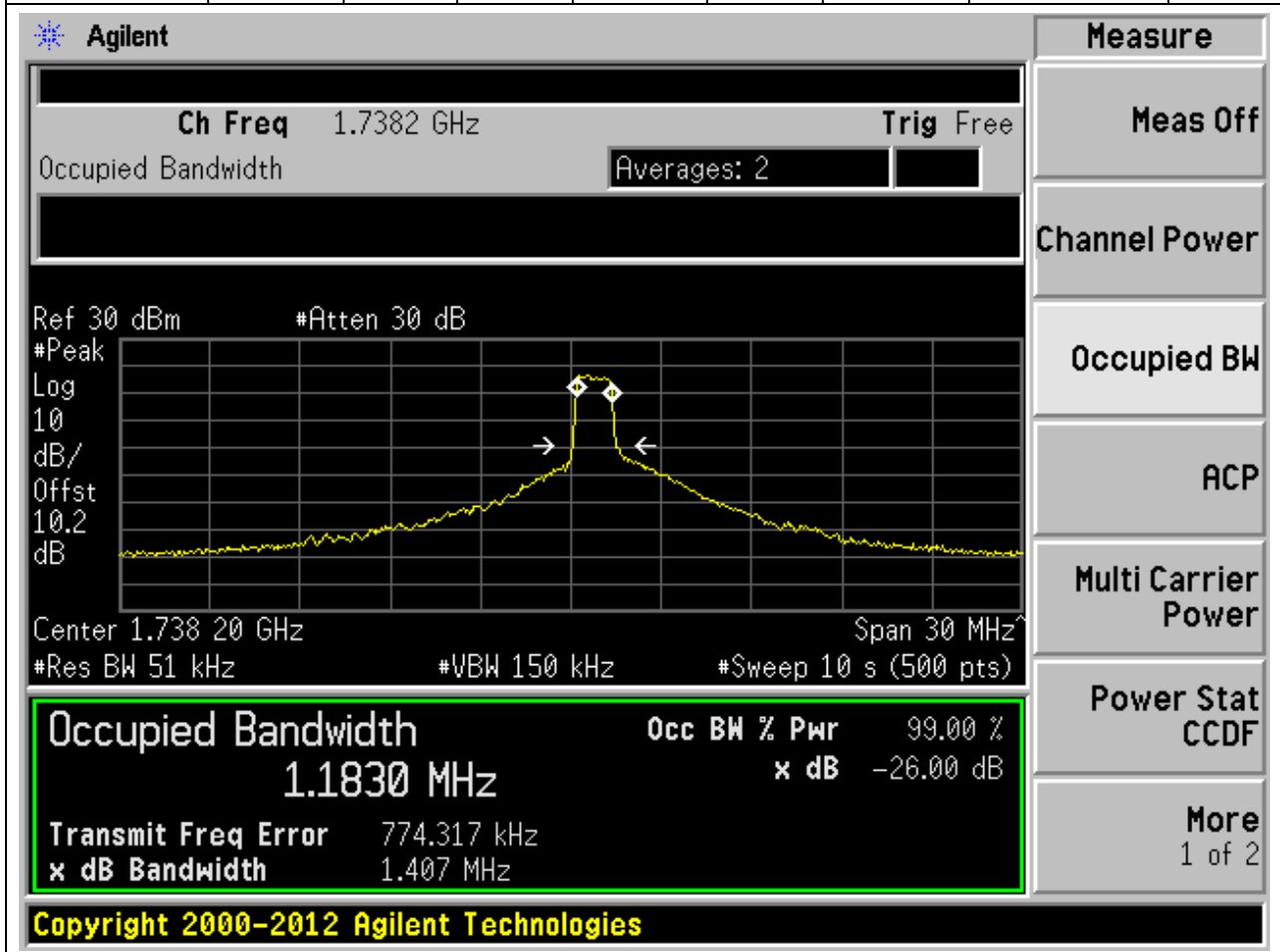
Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1740.7	99.00	26	0.051	Peak	1.4	1.003383	1.292539	Pass



## 12. LTE-M1\_Band66\_QPSK\_15MHz\_6@0\_Index low\_Mid

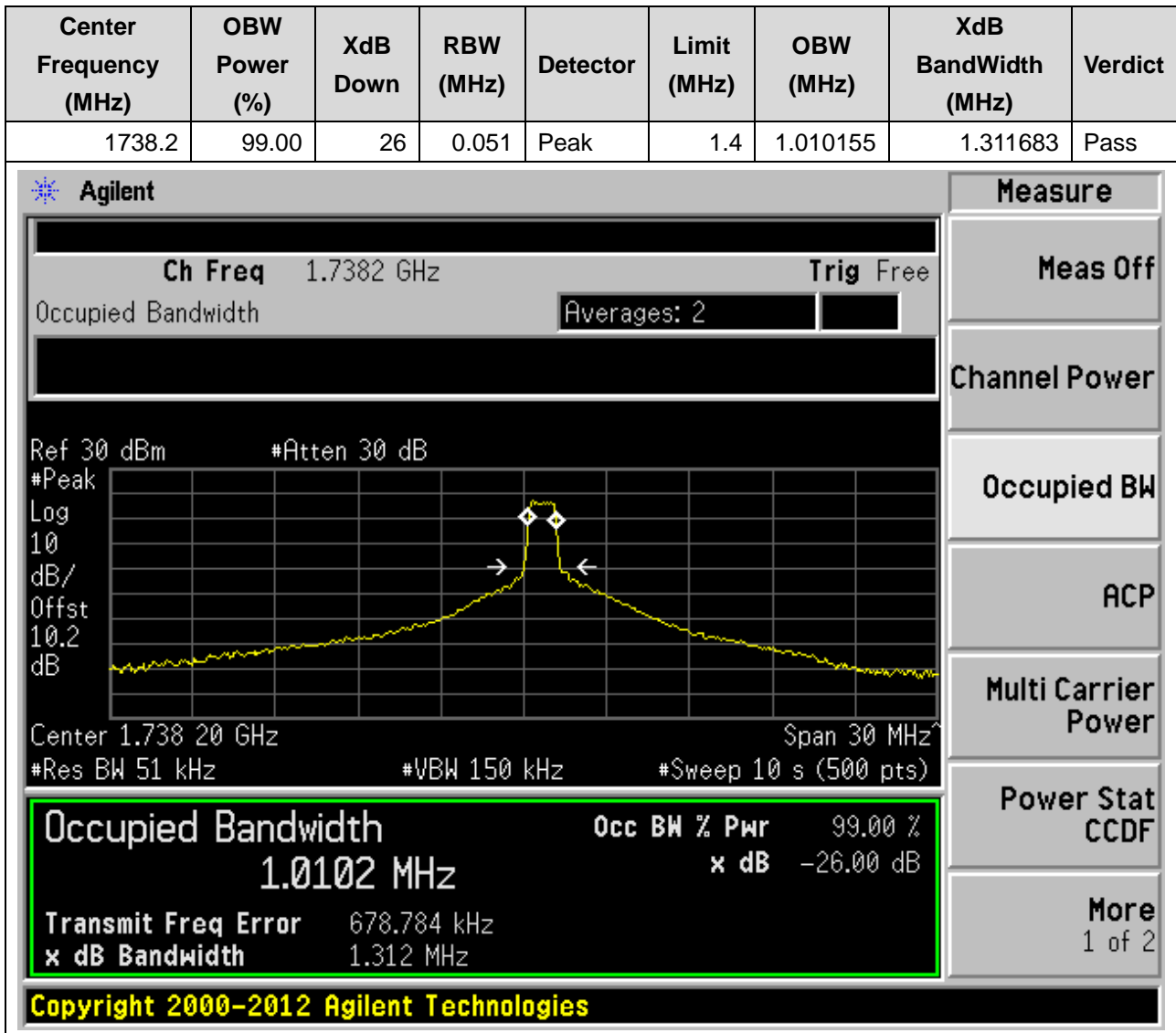
### 12.9. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1738.2	99.00	26	0.051	Peak	1.4	1.182997	1.407209	Pass



## 12. LTE-M1\_Band66\_16QAM\_15MHz\_5@0\_Index low\_Mid

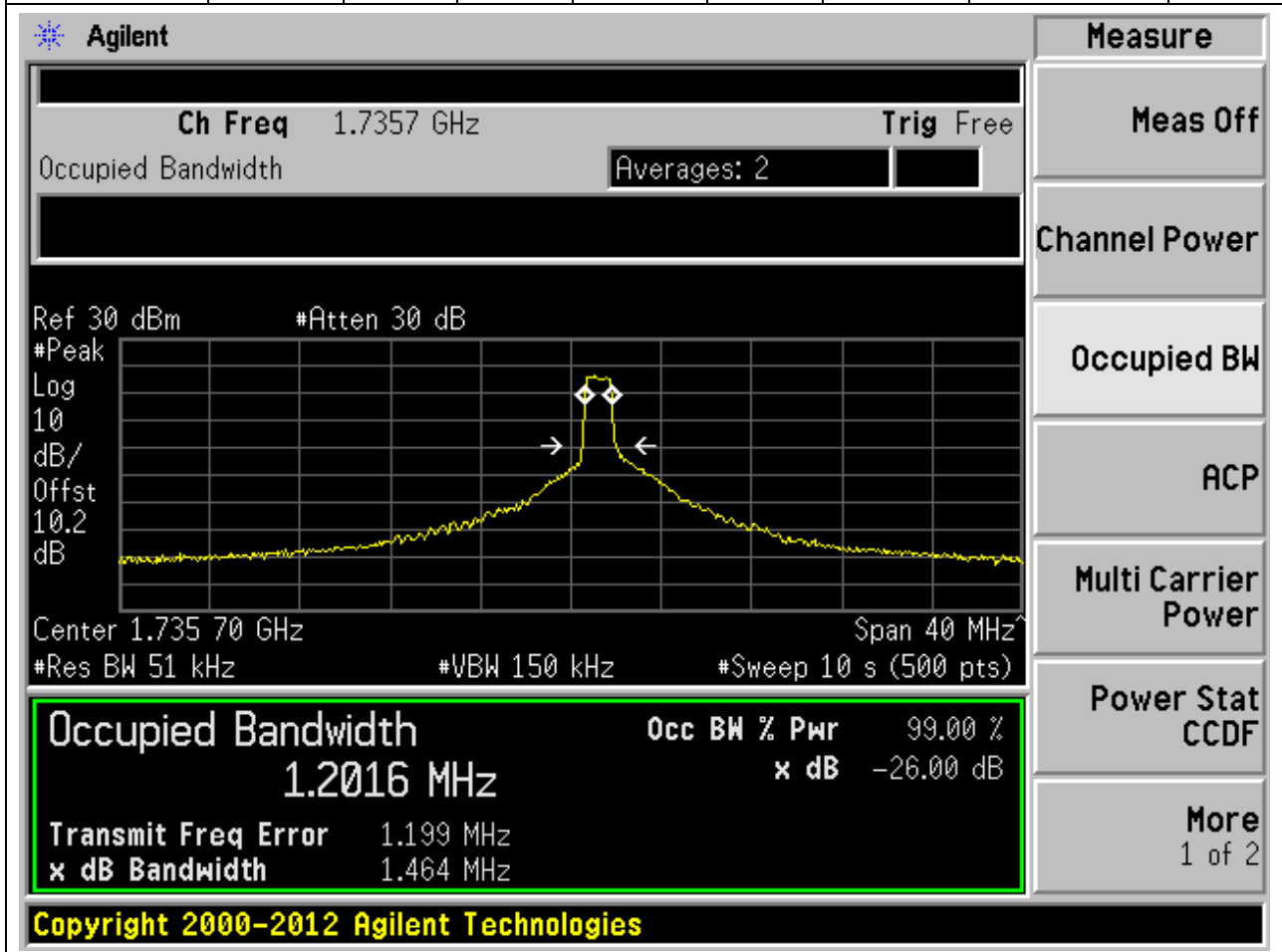
### 12.10. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



## 12. LTE-M1\_Band66\_QPSK\_20MHz\_6@0\_Index low\_Mid

### 12.11. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1735.7	99.00	26	0.051	Peak	1.4	1.201561	1.464028	Pass

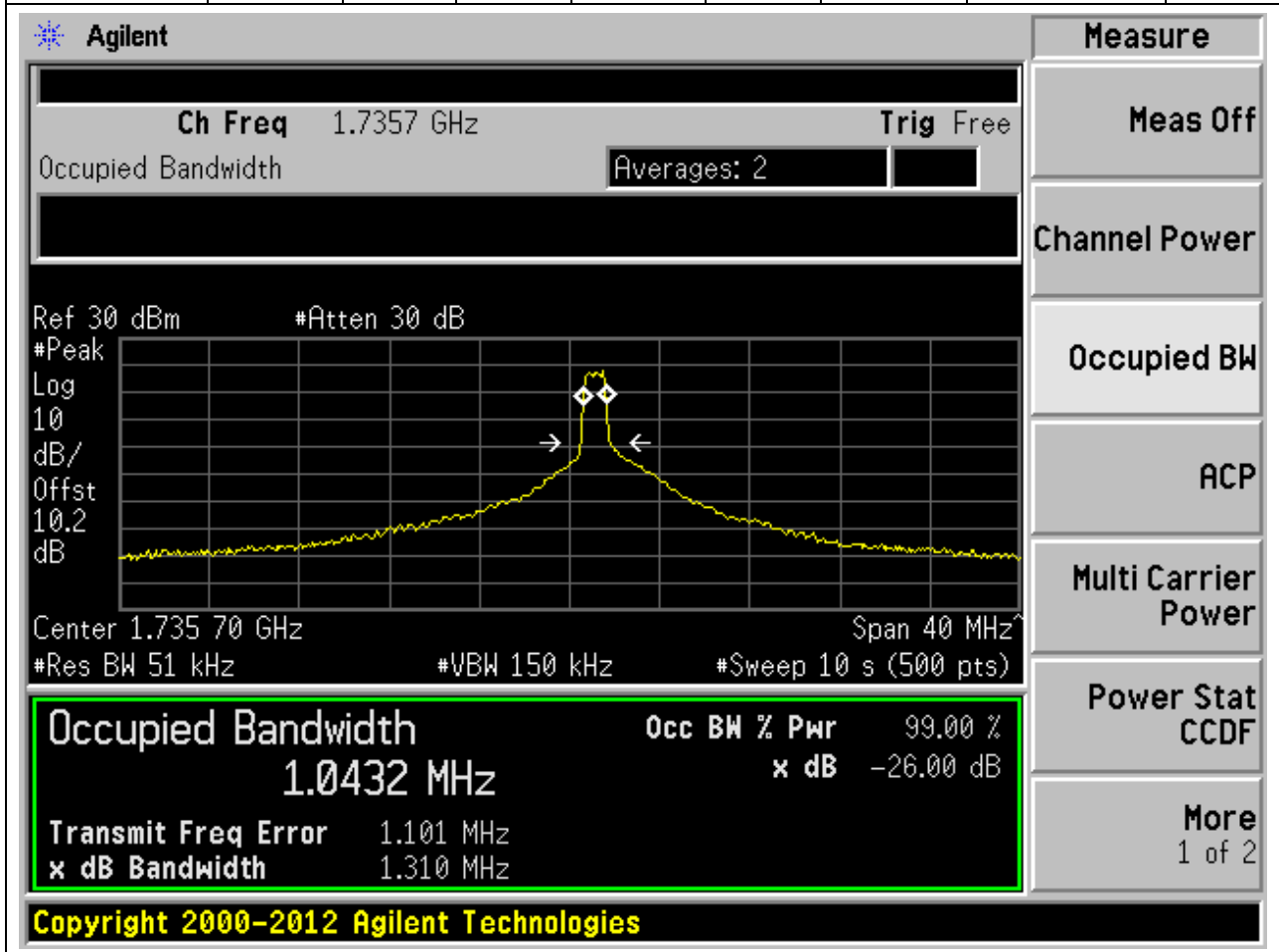




## 12. LTE-M1\_Band66\_16QAM\_20MHz\_5@0\_Index low\_Mid

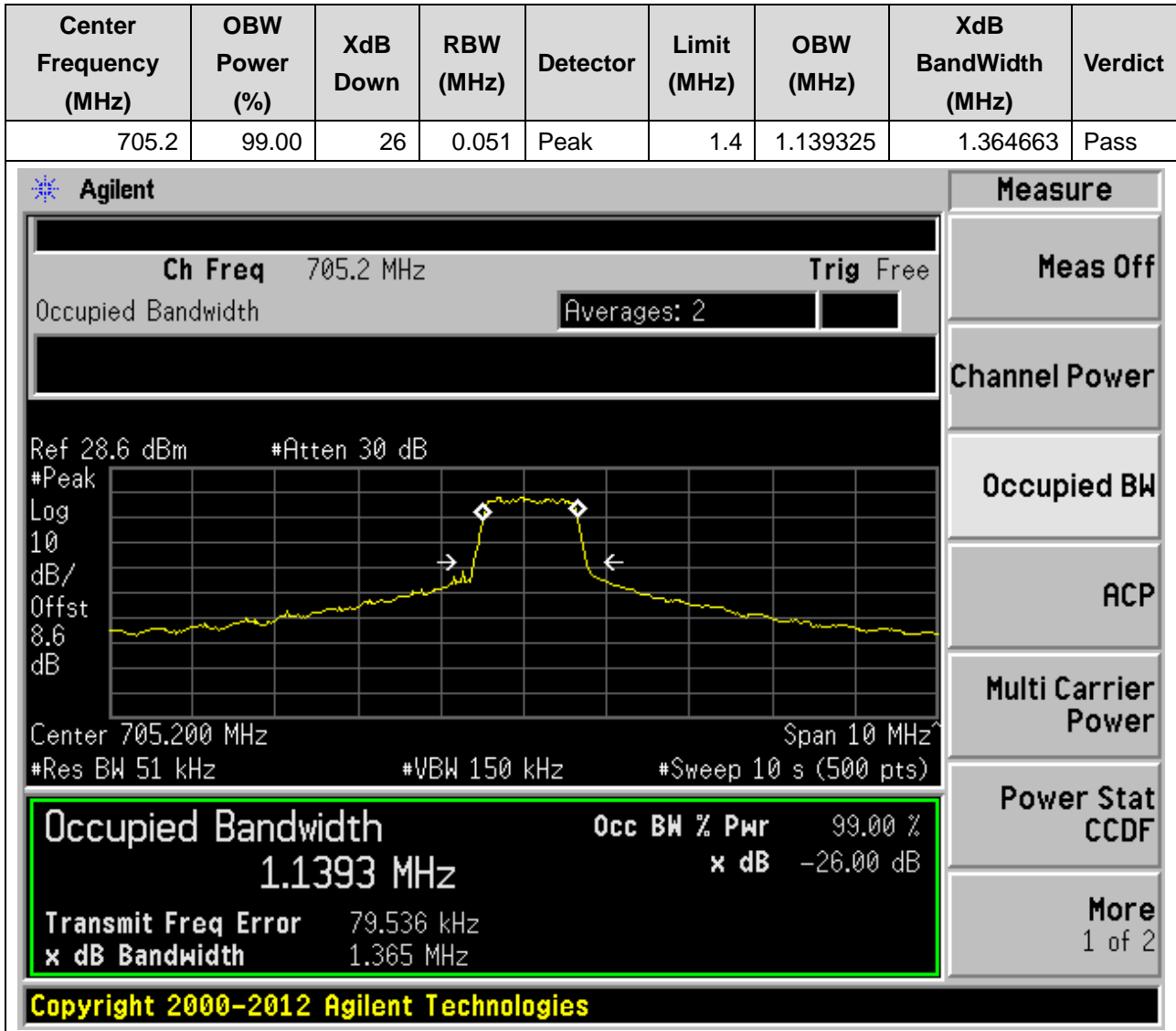
### 12.12. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
1735.7	99.00	26	0.051	Peak	1.4	1.043159	1.310498	Pass



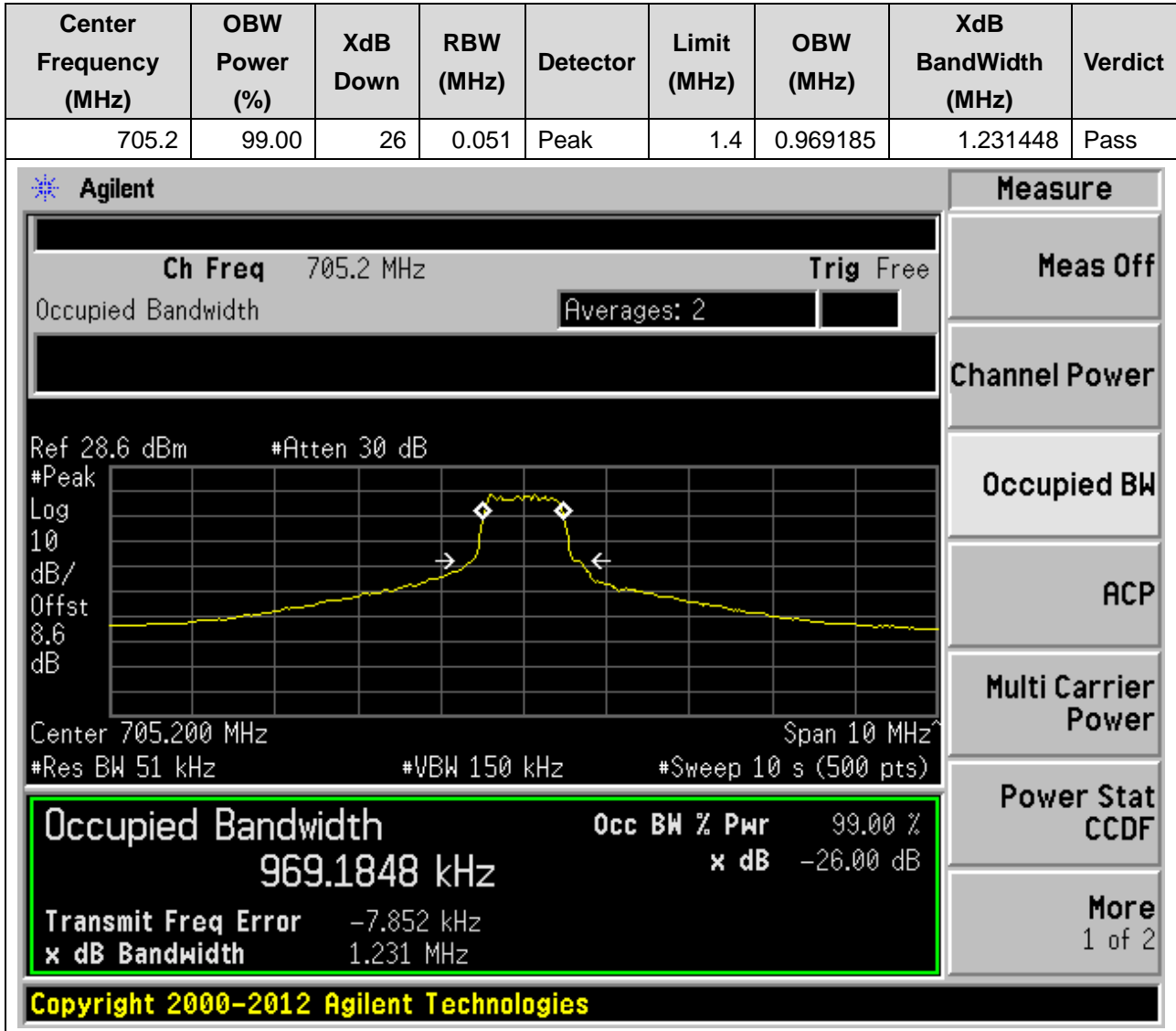
### 13. LTE-M1\_Band85\_QPSK\_5MHz\_6@0\_Index low\_Mid

#### 13.1. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



### 13. LTE-M1\_Band85\_16QAM\_5MHz\_5@0\_Index low\_Mid

#### 13.2. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)



### 13. LTE-M1\_Band85\_QPSK\_10MHz\_6@0\_Index low\_Mid

#### 13.3. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
702.7	99.00	26	0.051	Peak	1.4	1.142093	1.360432	Pass

**Agilent**

Ch Freq 702.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.6 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.6 dB

Center 702.70 MHz Span 20 MHz

#Res BW 51 kHz #VBW 150 kHz #Sweep 10 s (500 pts)

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

1.1421 MHz x dB -26.00 dB

Transmit Freq Error 508.719 kHz

x dB Bandwidth 1.360 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

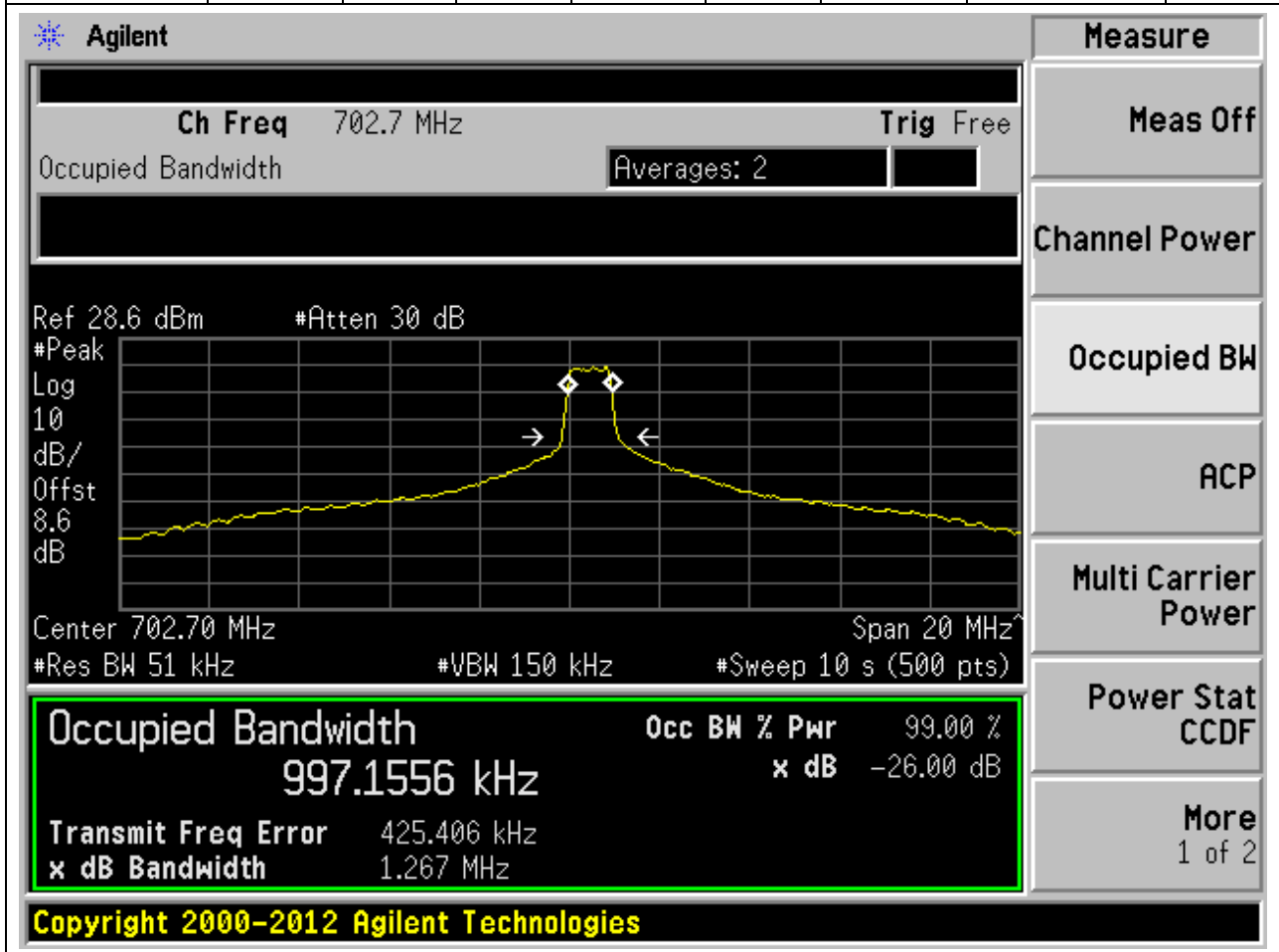
Power Stat CCDF

More 1 of 2

### 13. LTE-M1\_Band85\_16QAM\_10MHz\_5@0\_Index low\_Mid

#### 13.4. LTE-M1 Occupied Bandwidth\_Part22-24-27(NTNV)

Center Frequency (MHz)	OBW Power (%)	XdB Down	RBW (MHz)	Detector	Limit (MHz)	OBW (MHz)	XdB BandWidth (MHz)	Verdict
702.7	99.00	26	0.051	Peak	1.4	0.997156	1.266925	Pass



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