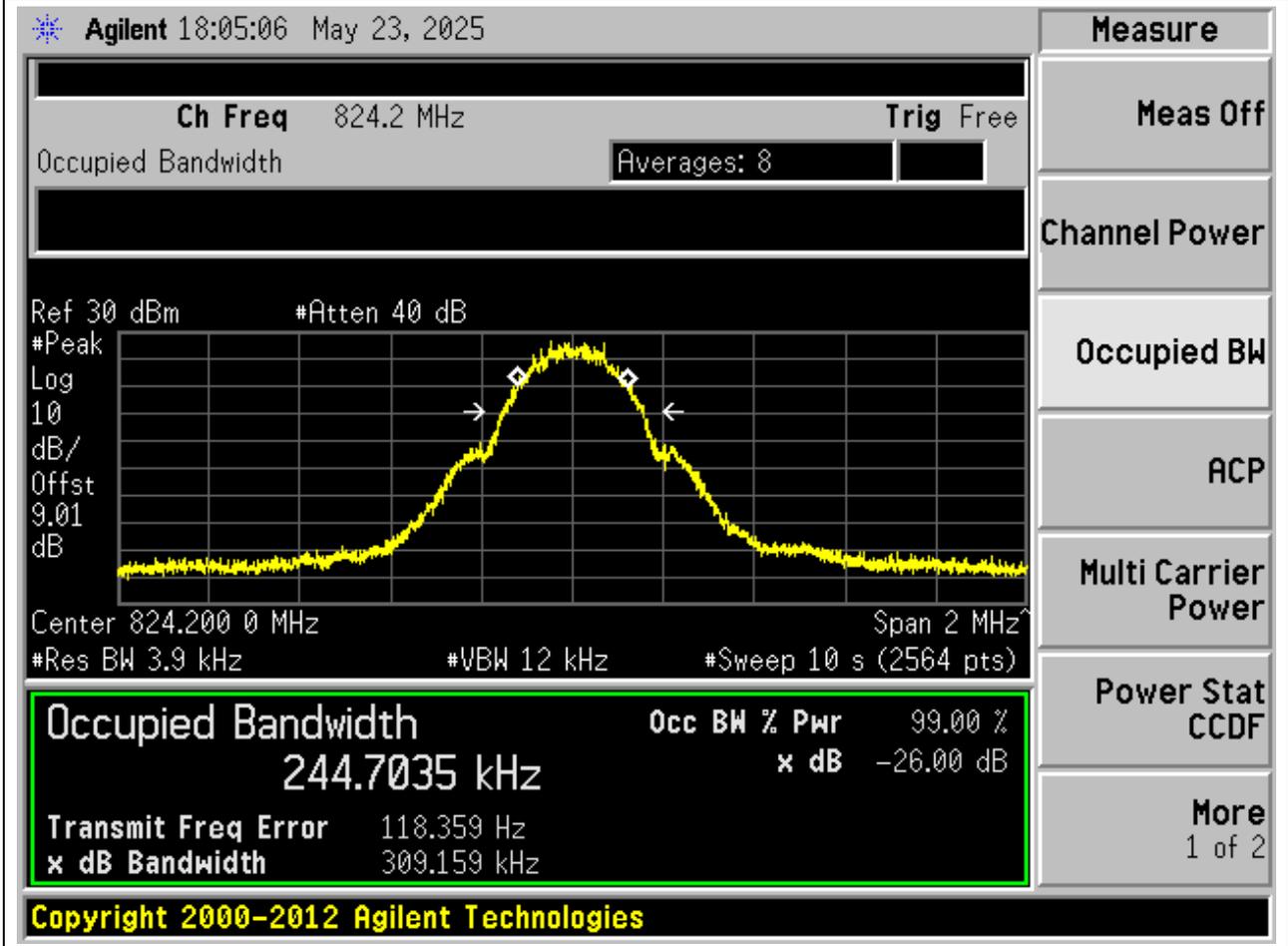


# Occupied Bandwidth

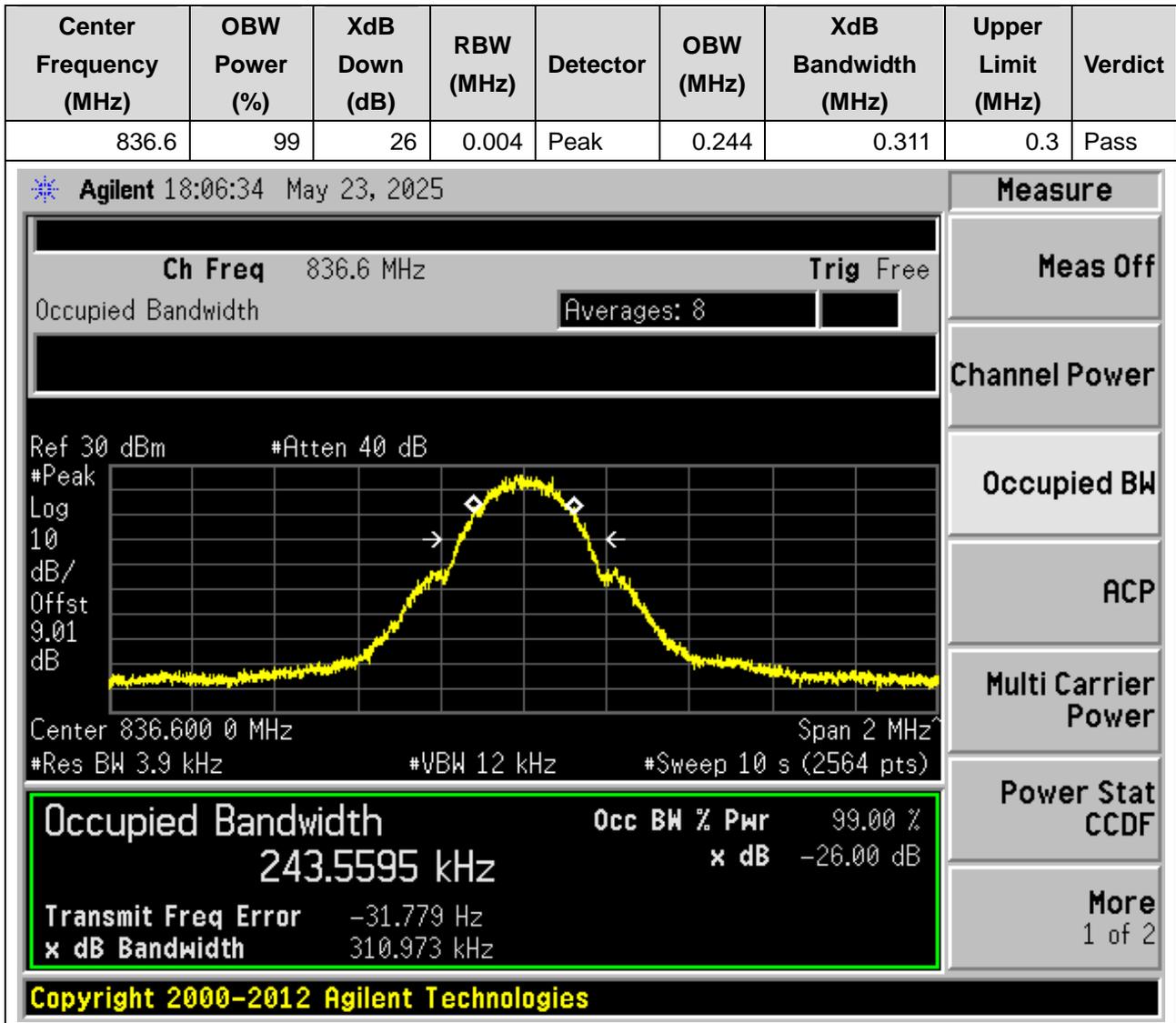
# 1. GSM\_GSM850

## 1.1. GSM Occupied Bandwidth\_Part22-24(NTNV)(Channel:128)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.2	99	26	0.004	Peak	0.245	0.309	0.3	Pass



## 1.2. GSM Occupied Bandwidth\_Part22-24(NTNV)(Channel:190)



### 1.3. GSM Occupied Bandwidth\_Part22-24(NTNV)(Channel:251)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.243	0.311	0.3	Pass

Agilent 18:08:01 May 23, 2025

Ch Freq 848.8 MHz Trig Free

Occupied Bandwidth Averages: 8

Ref 30 dBm #Atten 40 dB

#Peak Log 10 dB/ Offst 9.14 dB

Center 848.800 0 MHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 10 s (2564 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
242.9338 kHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-306.554 Hz
<b>x dB Bandwidth</b>		311.242 kHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

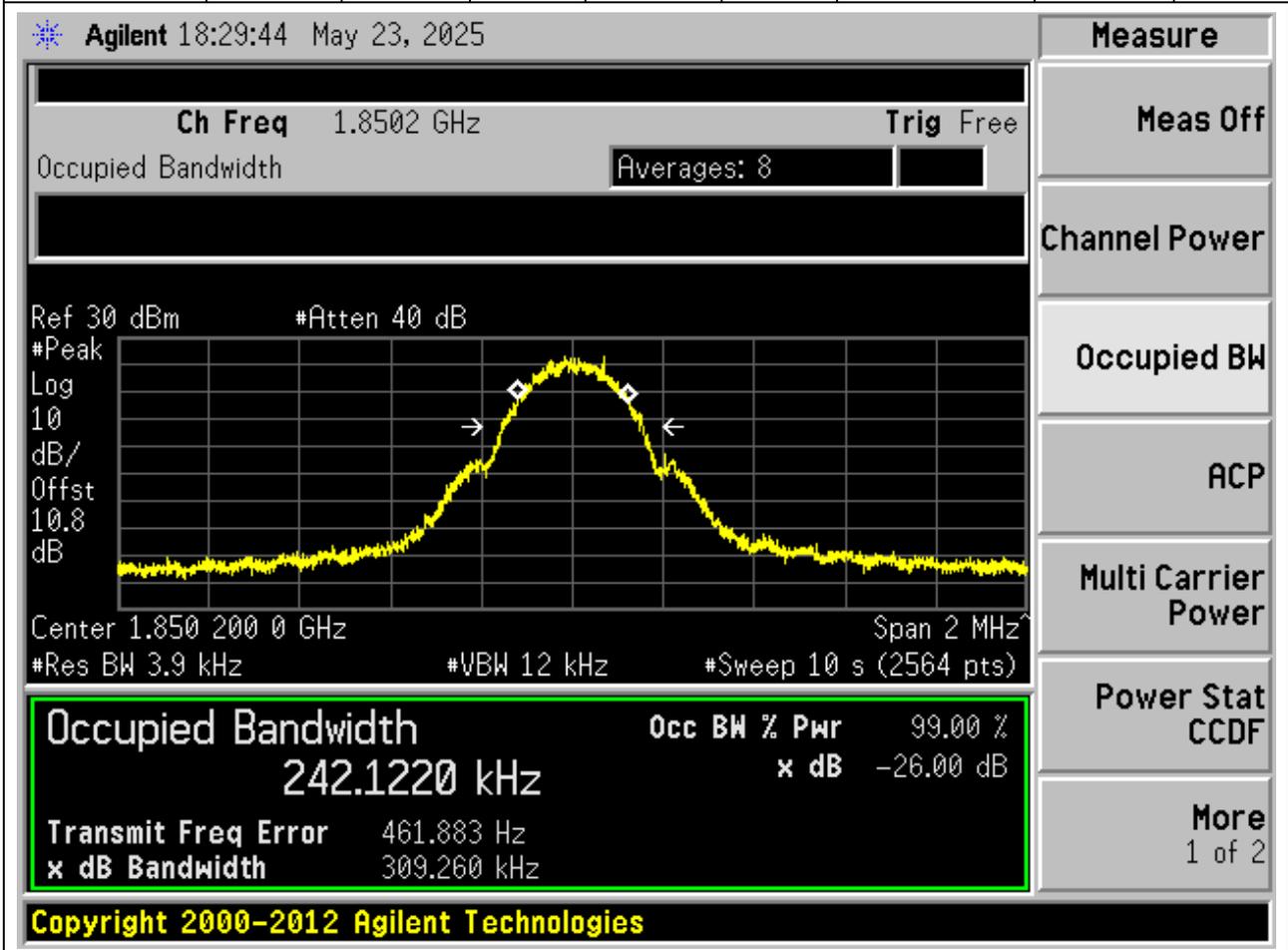
Power Stat CCDF

More 1 of 2

## 2. GSM\_PCS

### 2.1. GSM Occupied Bandwidth\_Part22-24(NTNV)(Channel:512)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.242	0.309	0.3	Pass



## 2.2. GSM Occupied Bandwidth\_Part22-24(NTNV)(Channel:661)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.244	0.31	0.3	Pass

Agilent 18:31:11 May 23, 2025

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 8

Ref 30 dBm #Atten 40 dB

#Peak Log 10 dB/ Offst 10.8 dB

Center 1.880 000 0 GHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 10 s (2564 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
244.4112 kHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-75.752 Hz
<b>x dB Bandwidth</b>		309.558 kHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

### 2.3. GSM Occupied Bandwidth\_Part22-24(NTNV)(Channel:810)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.245	0.312	0.3	Pass

**Agilent** 18:32:39 May 23, 2025

**Ch Freq** 1.9098 GHz **Trig** Free

Occupied Bandwidth **Averages: 8**

Ref 30 dBm #Atten 40 dB

#Peak Log 10 dB/ Offst 10.9 dB

Center 1.909 800 0 GHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 10 s (2564 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>245.1499 kHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		225.281 Hz
<b>x dB Bandwidth</b>		311.667 kHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

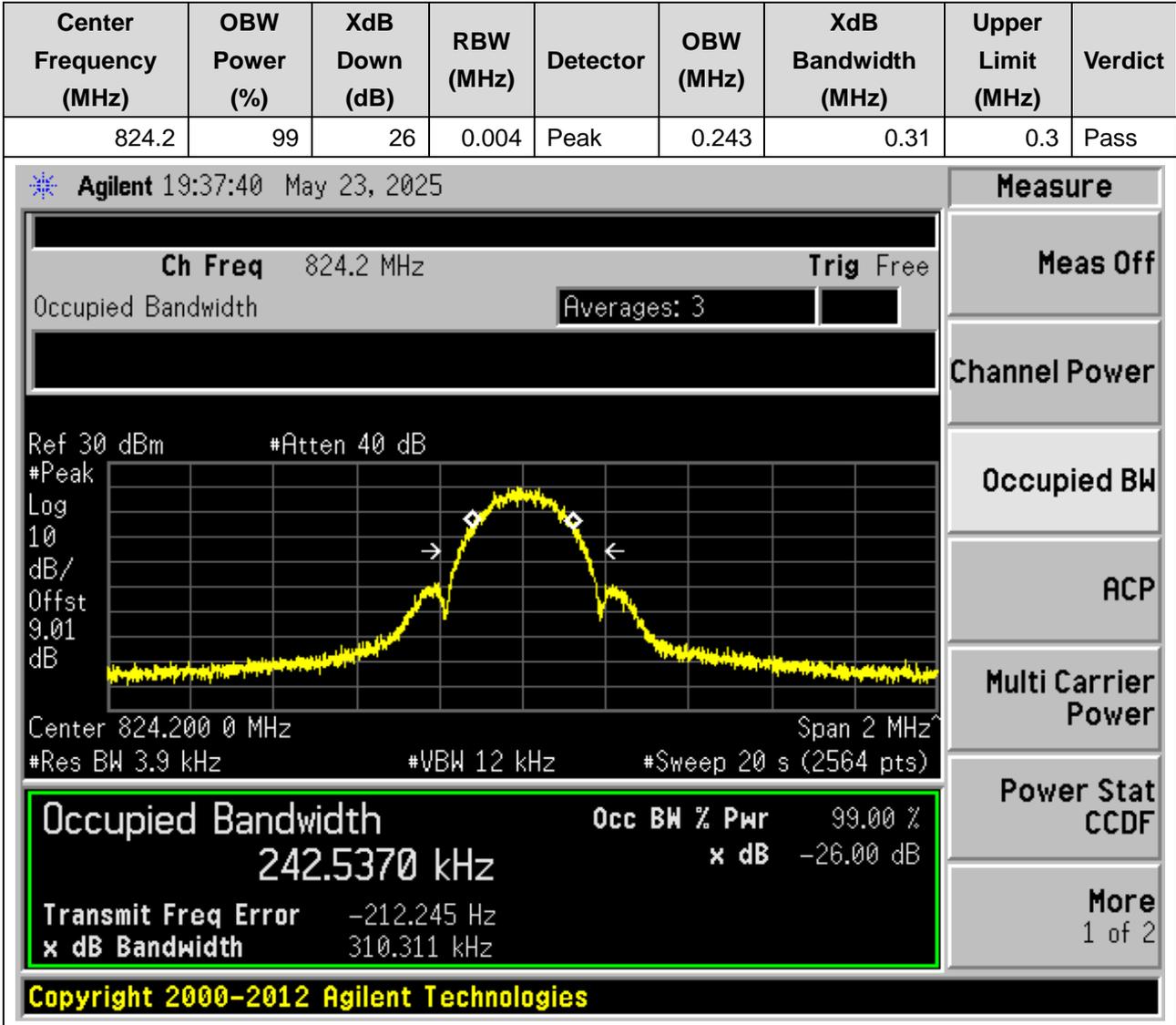
Multi Carrier Power

Power Stat CCDF

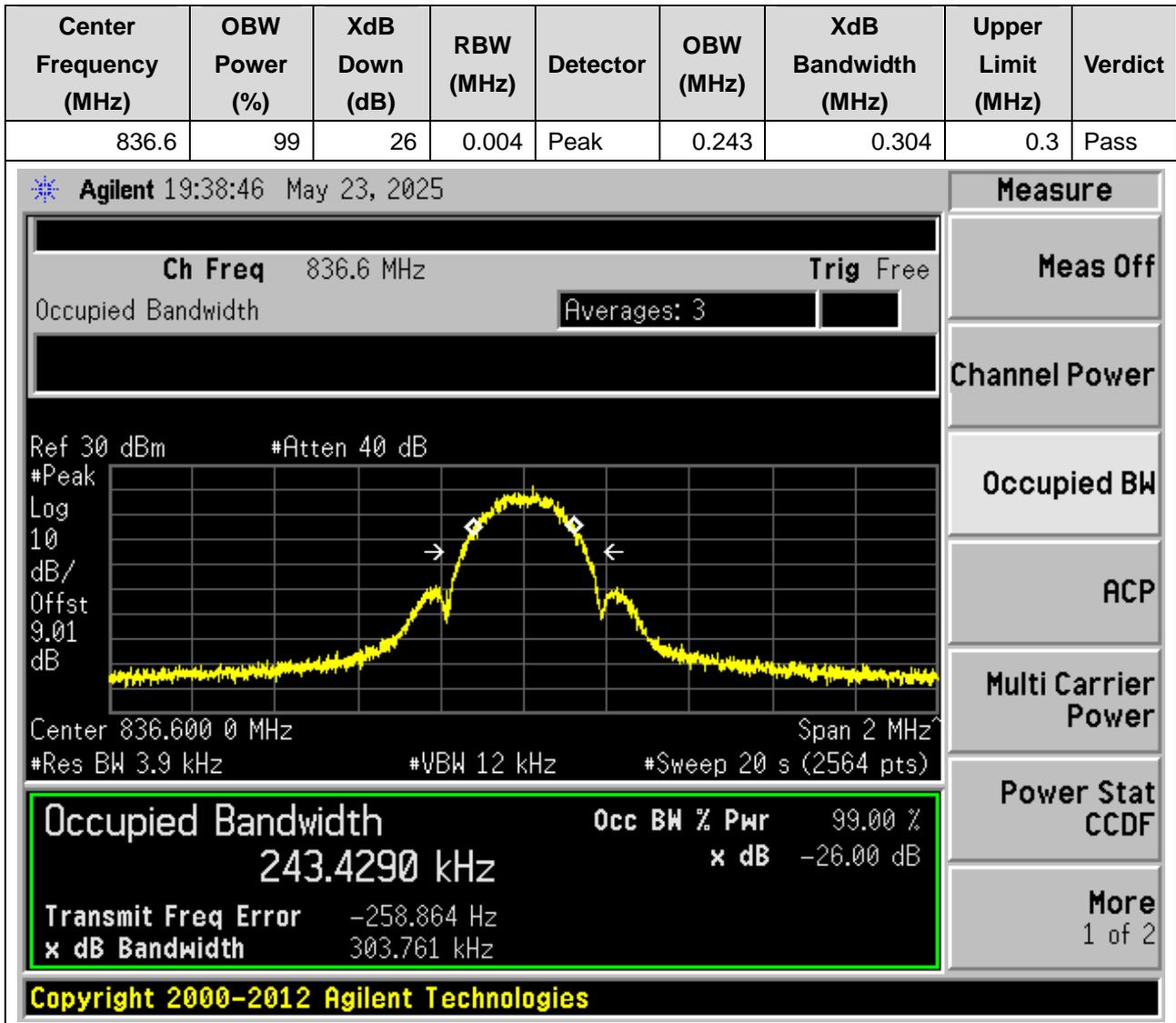
More  
1 of 2

# 1. EGPRS\_GSM850

## 1.1. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:128)



## 1.2. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:190)



### 1.3. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:251)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.245	0.303	0.3	Pass

Agilent 19:39:53 May 23, 2025

Ch Freq 848.8 MHz Trig Free

Occupied Bandwidth Averages: 3

Ref 30 dBm #Atten 40 dB

#Peak Log 10 dB/ Offst 9.14 dB

Center 848.800 0 MHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 20 s (2564 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
245.1825 kHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-579.805 Hz
<b>x dB Bandwidth</b>		302.914 kHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

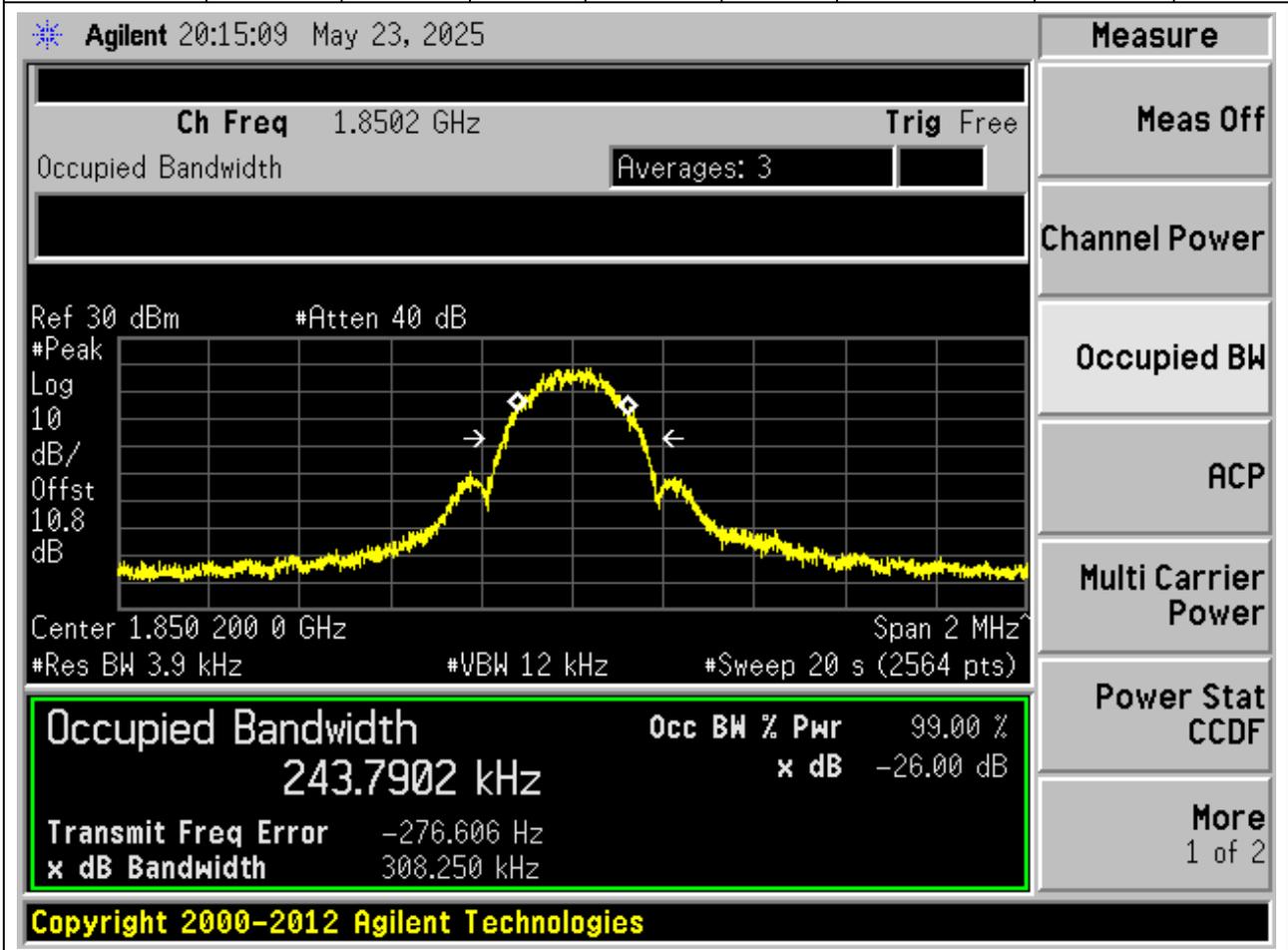
Power Stat CCDF

More 1 of 2

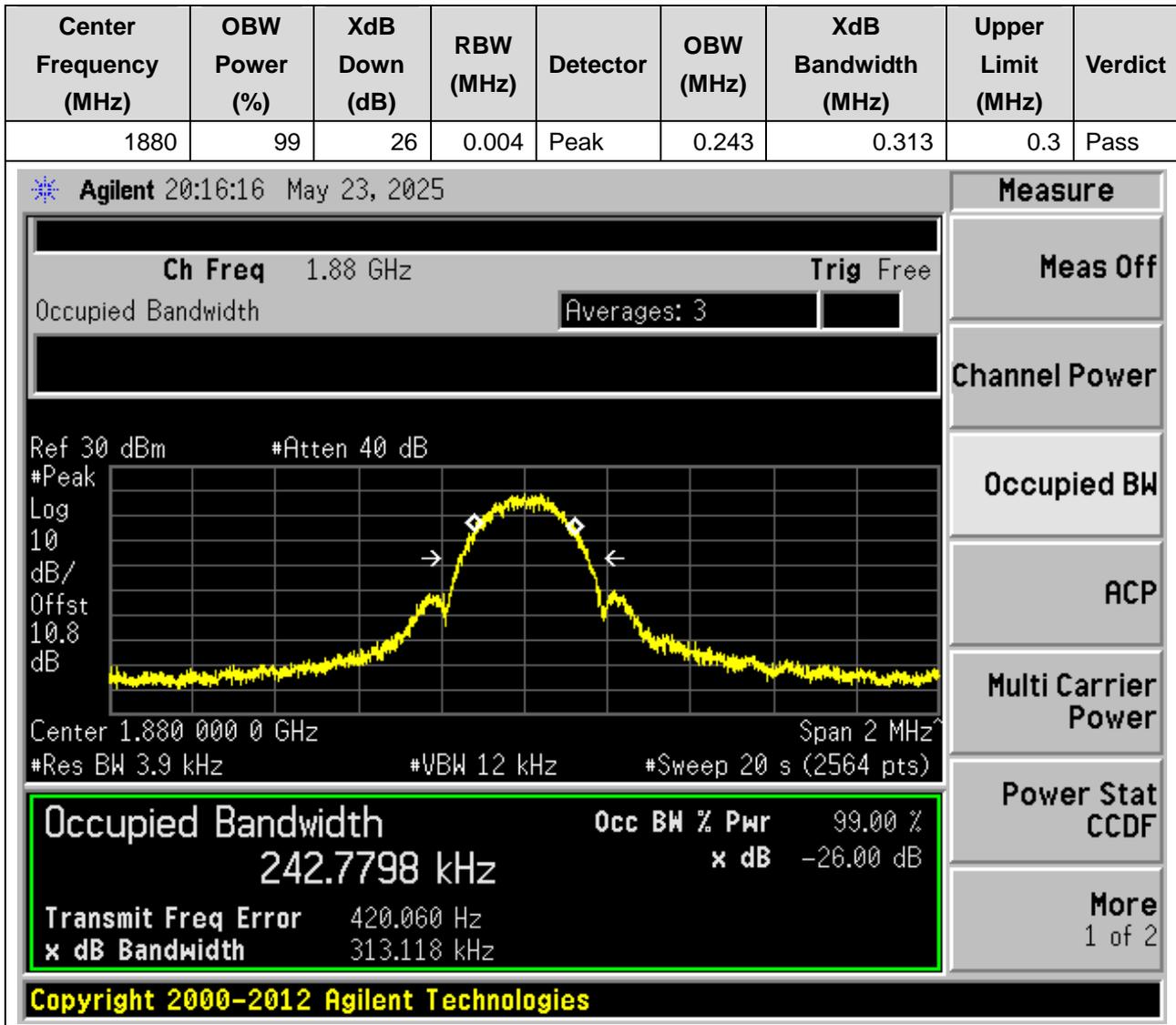
## 2. EGPRS\_PCS

### 2.1. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:512)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.244	0.308	0.3	Pass



## 2.2. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:661)



### 2.3. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:810)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.248	0.307	0.3	Pass

Agilent 20:17:22 May 23, 2025

Ch Freq 1.9098 GHz Trig Free

Occupied Bandwidth Averages: 3

Ref 30 dBm #Atten 40 dB

#Peak Log 10 dB/ Offst 10.9 dB

Center 1.909 800 0 GHz Span 2 MHz

#Res BW 3.9 kHz #VBW 12 kHz #Sweep 20 s (2564 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
248.2990 kHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-1.112 kHz
<b>x dB Bandwidth</b>		307.061 kHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

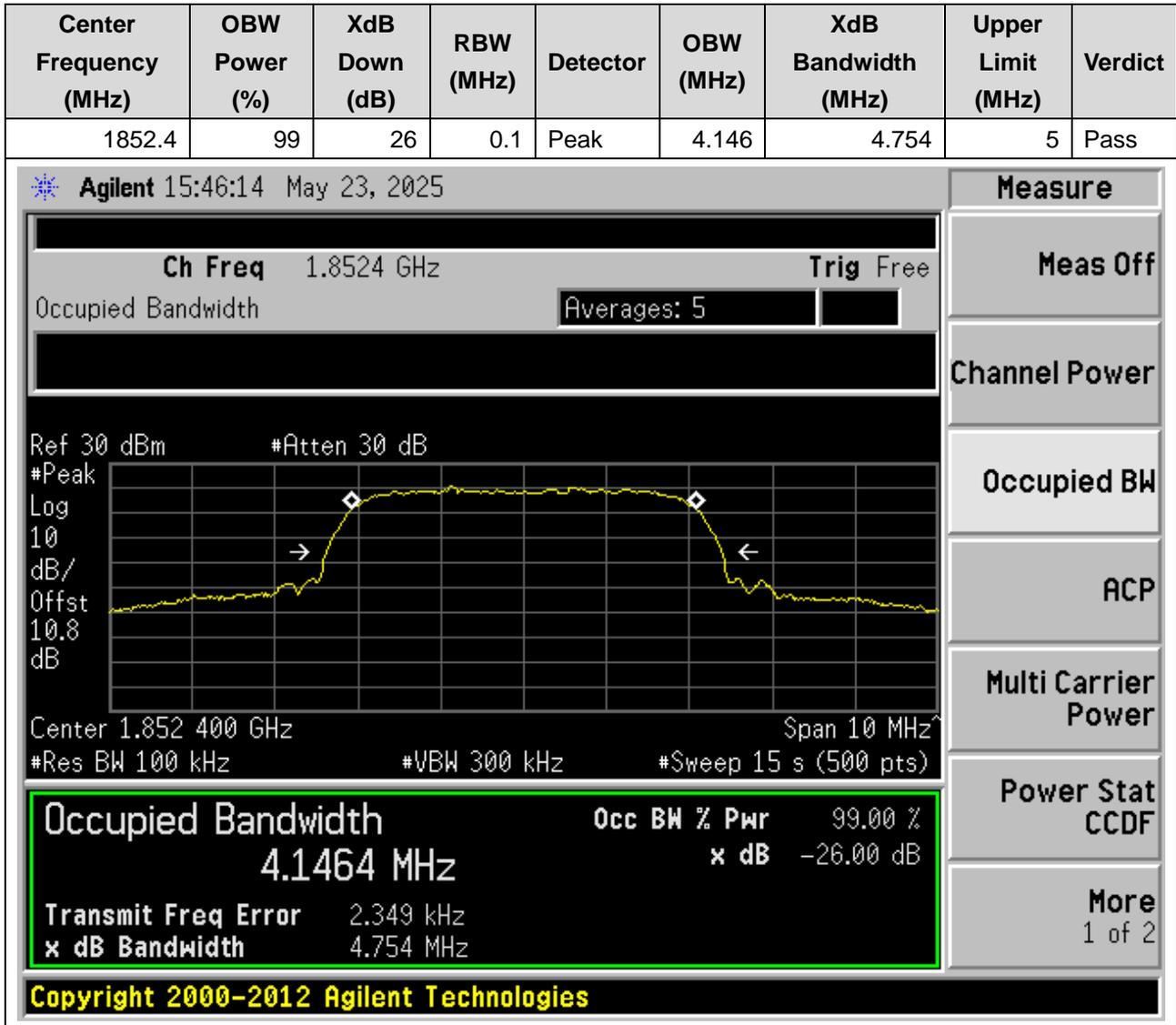
Multi Carrier Power

Power Stat CCDF

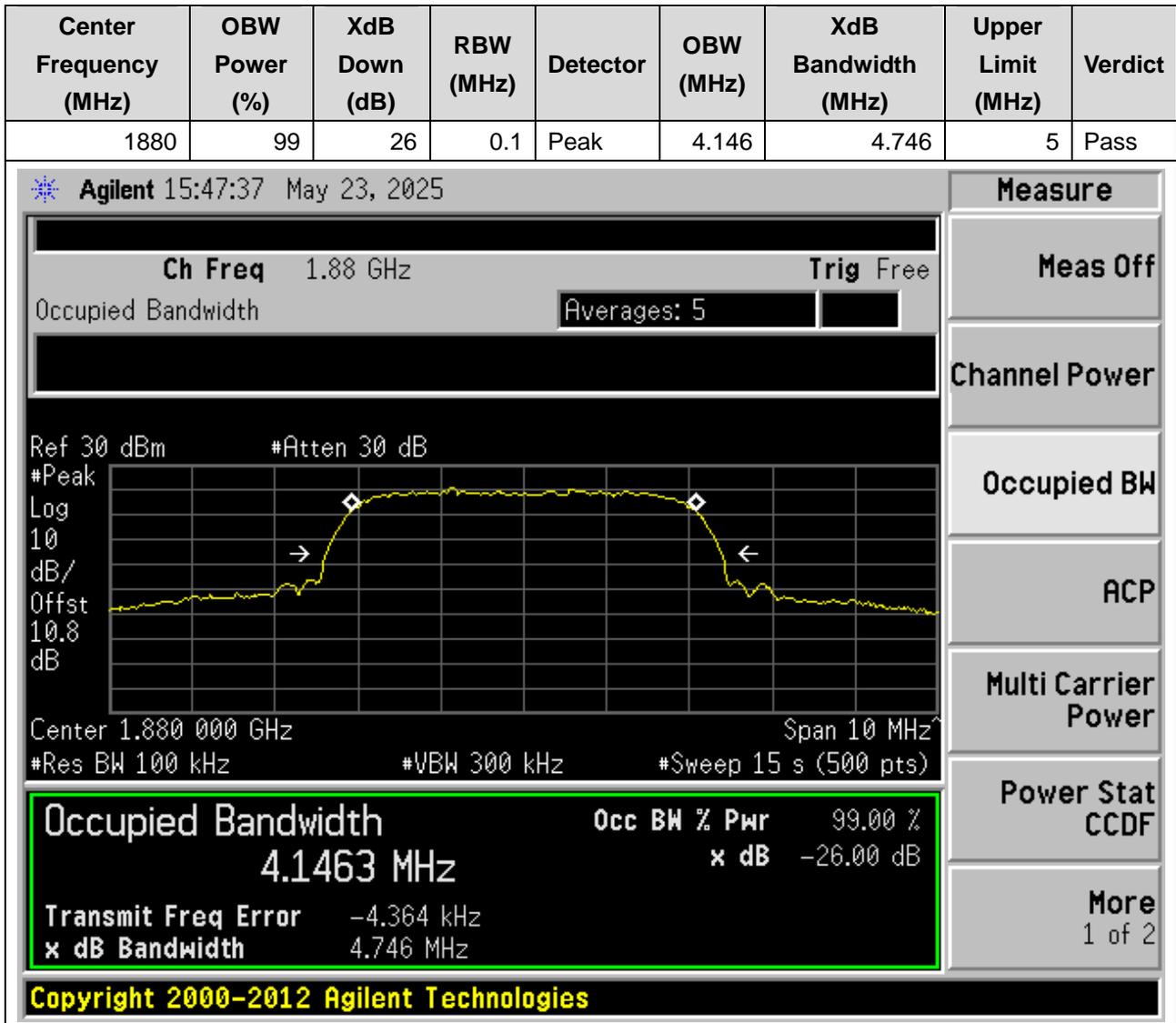
More 1 of 2

# 1. WCDMA\_Band2

## 1.1. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:9262)



## 1.2. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:9400)



### 1.3. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:9538)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.6	99	26	0.1	Peak	4.152	4.756	5	Pass

Agilent 15:49:00 May 23, 2025

Ch Freq 1.9076 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.8 dB

Center 1.907 600 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 15 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.1517 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-17.611 kHz
<b>x dB Bandwidth</b>		4.756 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

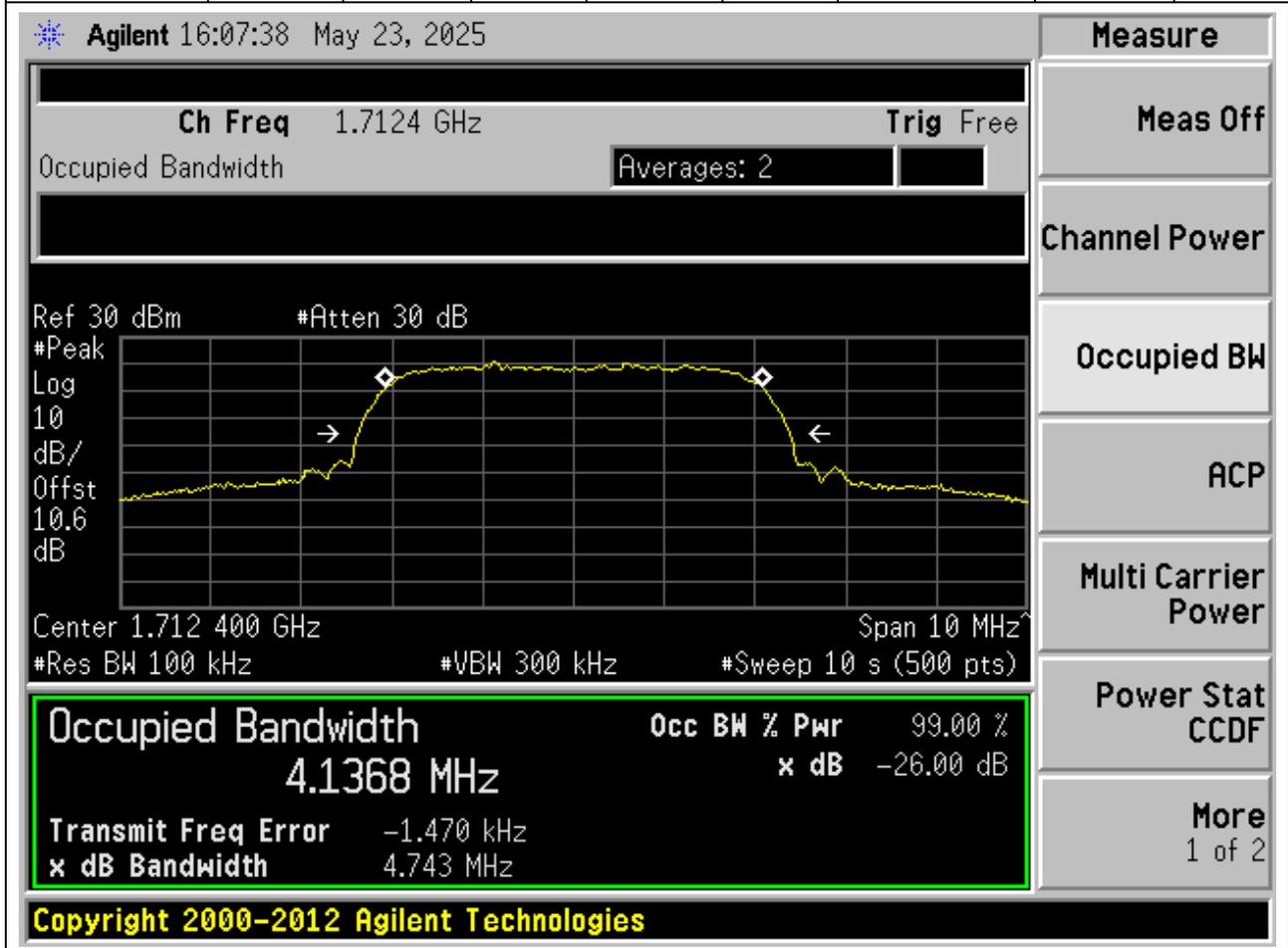
Power Stat CCDF

More 1 of 2

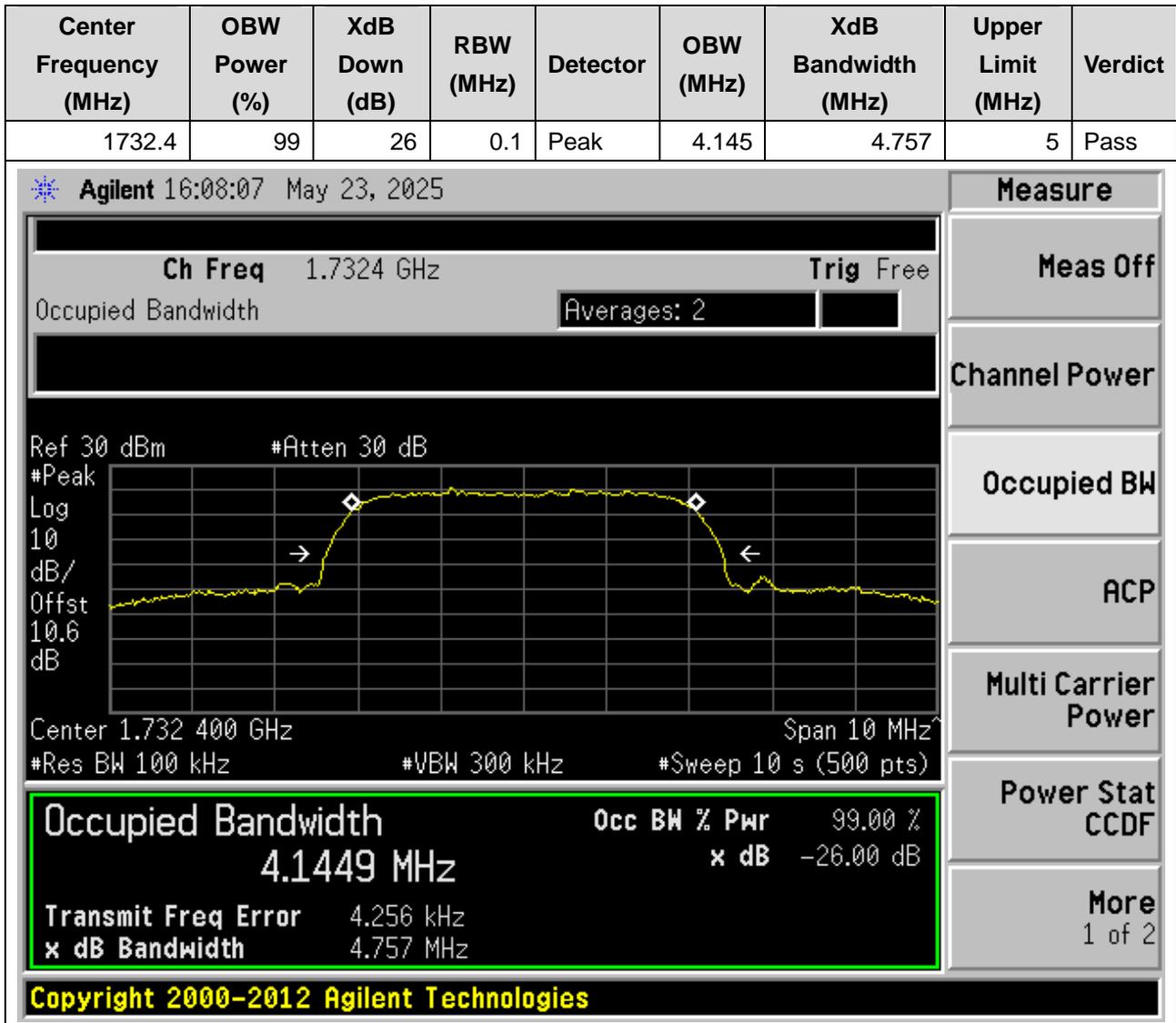
## 2. WCDMA\_Band4

### 2.1. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:1312)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.4	99	26	0.1	Peak	4.137	4.743	5	Pass



## 2.2. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:1412)



### 2.3. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:1513)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.6	99	26	0.1	Peak	4.141	4.744	5	Pass

**Agilent** 16:08:35 May 23, 2025

**Ch Freq** 1.7526 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.752 600 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.1411 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-6.935 kHz	
<b>x dB Bandwidth</b>	4.744 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

### 3. WCDMA\_Band5

#### 3.1. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:4132)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.4	99	26	0.1	Peak	4.138	4.745	5	Pass

**Agilent** 16:40:39 May 23, 2025

Ch Freq 826.4 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.02 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.02 dB

Center 826.400 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.1376 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	49.257 Hz	
<b>x dB Bandwidth</b>	4.745 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

### 3.2. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:4182)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.4	99	26	0.1	Peak	4.125	4.735	5	Pass

**Agilent** 16:41:07 May 23, 2025

**Ch Freq** 836.4 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 29.01 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.01 dB

Center 836.400 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.1253 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	11.703 kHz	
<b>x dB Bandwidth</b>	4.735 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

### 3.3. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:4233)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.6	99	26	0.1	Peak	4.133	4.747	5	Pass

Agilent 16:41:36 May 23, 2025

Ch Freq 846.6 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.1 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.1 dB

Center 846.600 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.1335 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-18.601 kHz
<b>x dB Bandwidth</b>		4.747 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

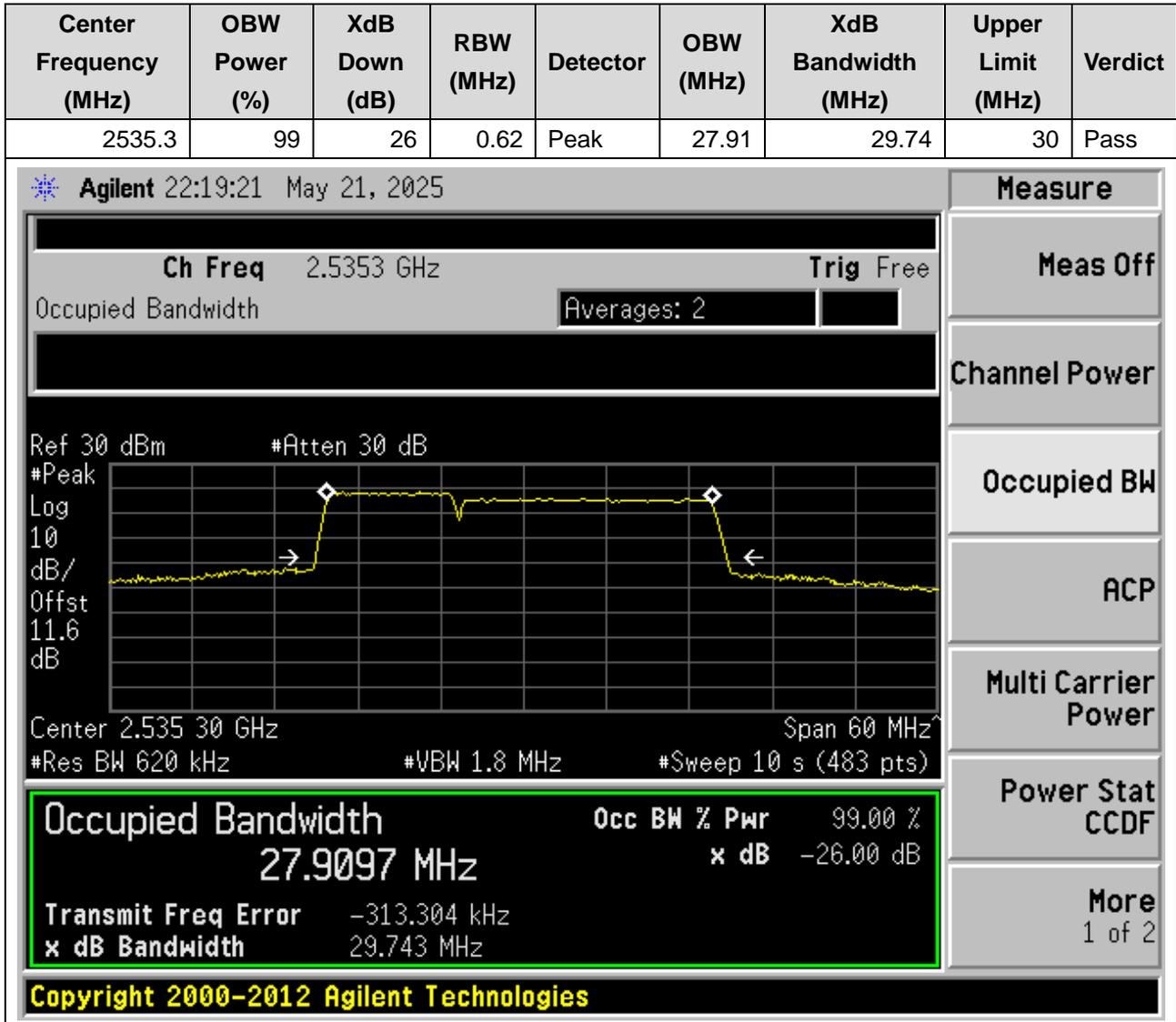
Multi Carrier Power

Power Stat CCDF

More 1 of 2

## 1. CA\_7C

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



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.3	99	26	0.62	Peak	27.8	29.59	30	Pass

**Agilent** 22:19:51 May 21, 2025

Ch Freq 2.5353 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 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 %
<b>27.8038 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-329.323 kHz	
<b>x dB Bandwidth</b>	29.588 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

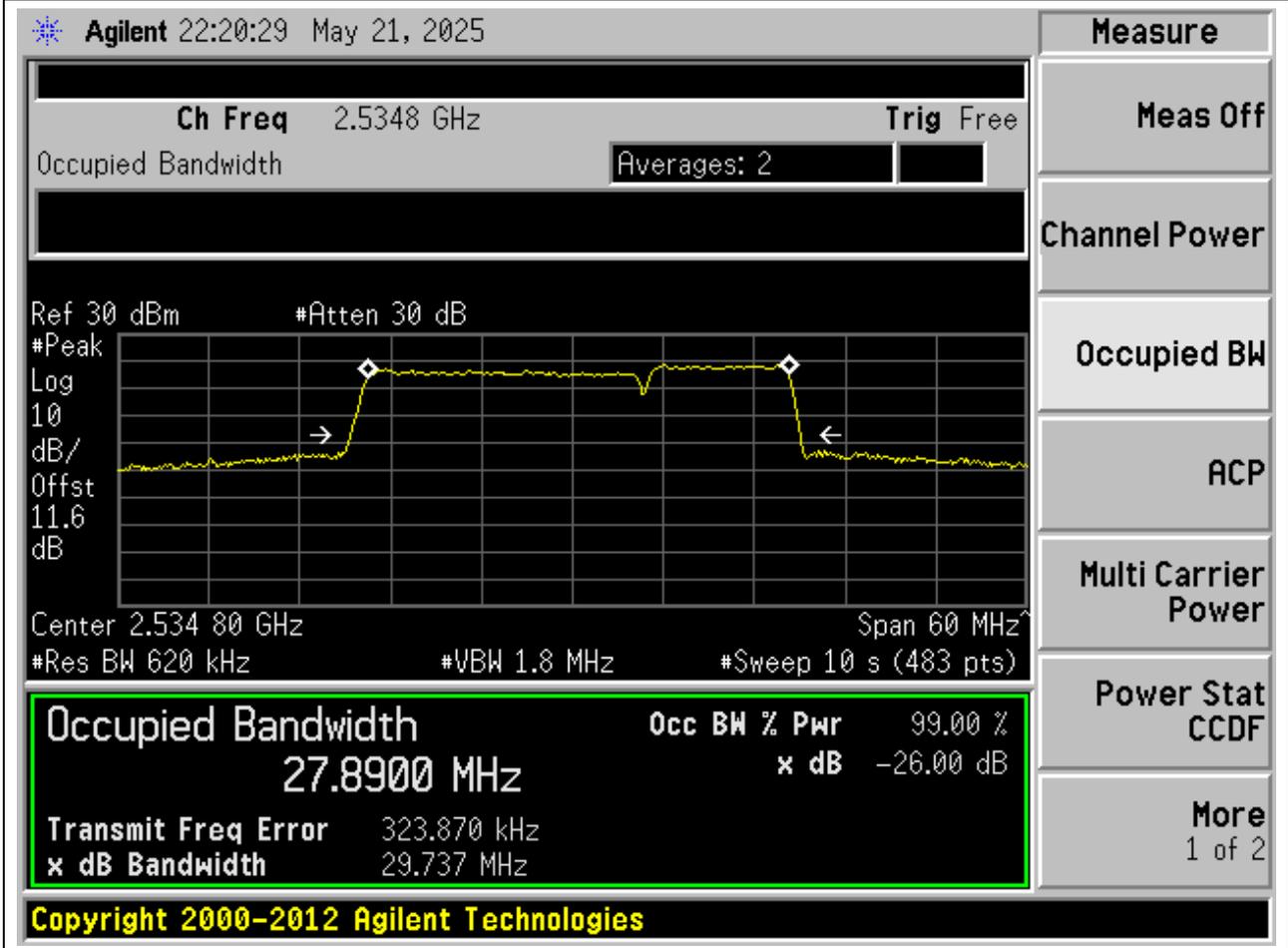
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.8	99	26	0.62	Peak	27.89	29.74	30	Pass



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

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	29.63	30	Pass

**Agilent** 22:20:57 May 21, 2025

Ch Freq 2.5348 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 dB

Center 2.534 80 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>27.8435 MHz</b>	<b>x dB</b>	-26.00 dB
Transmit Freq Error	318.247 kHz	
x dB Bandwidth	29.633 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

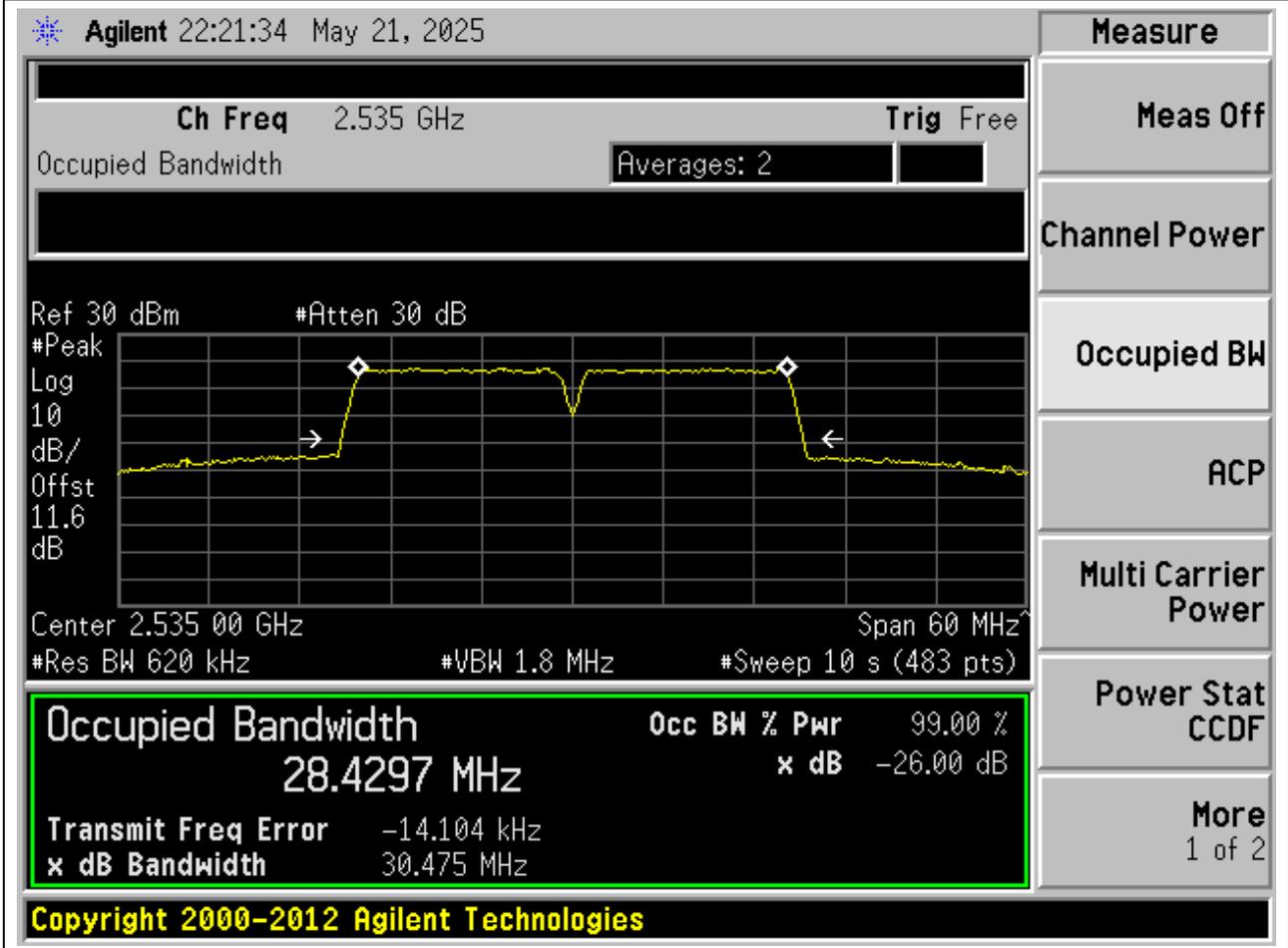
Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.43	30.47	30	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.48	30.44	30	Pass

**Agilent** 22:22:04 May 21, 2025

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 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 %
28.4773 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	8.082 kHz	
<b>x dB Bandwidth</b>	30.444 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.1	99	26	0.68	Peak	32.8	35.03	35	Pass

**Agilent** 22:22:36 May 21, 2025

Ch Freq 2.5351 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 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 %
<b>32.7957 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-141.394 kHz	
<b>x dB Bandwidth</b>	35.031 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535.1	99	26	0.68	Peak	32.72	34.74	35	Pass

**Agilent** 22:23:05 May 21, 2025

Ch Freq 2.5351 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 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 %
32.7185 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-154.458 kHz	
<b>x dB Bandwidth</b>	34.739 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.9	99	26	0.68	Peak	32.75	34.97	35	Pass

**Agilent** 22:23:42 May 21, 2025

Ch Freq 2.5349 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.534 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 %
<b>32.7457 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	156.522 kHz	
<b>x dB Bandwidth</b>	34.965 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.9	99	26	0.68	Peak	32.74	34.84	35	Pass

**Agilent** 22:24:12 May 21, 2025

Ch Freq 2.5349 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.6 dB

Center 2.534 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 %
<b>32.7401 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	180.746 kHz	
<b>x dB Bandwidth</b>	34.840 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.79	40.14	40	Pass

**Agilent** 22:24:44 May 21, 2025

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 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 %
37.7916 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	34.058 kHz	
<b>x dB Bandwidth</b>	40.141 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

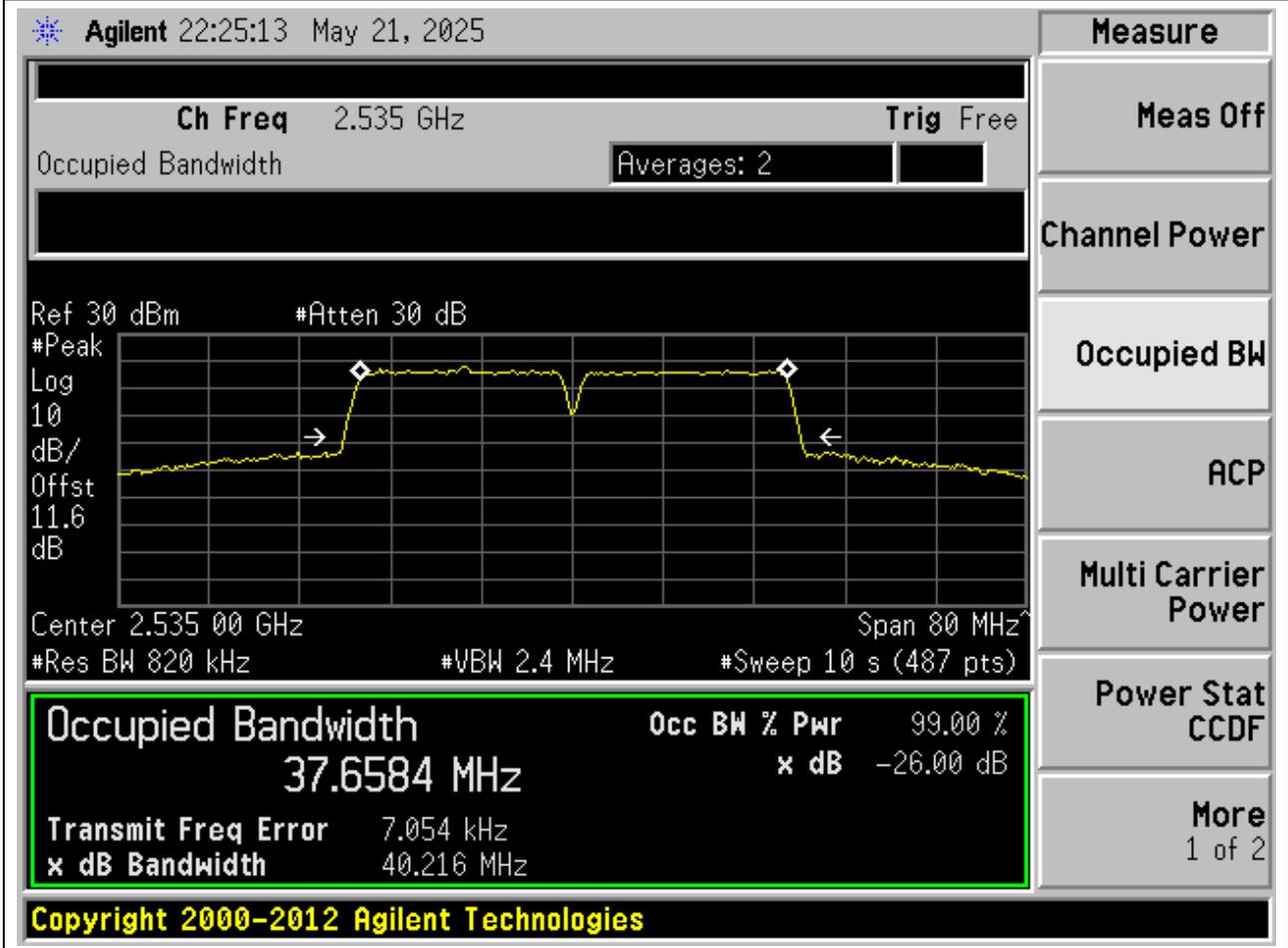
Multi Carrier Power

Power Stat CCDF

More 1 of 2

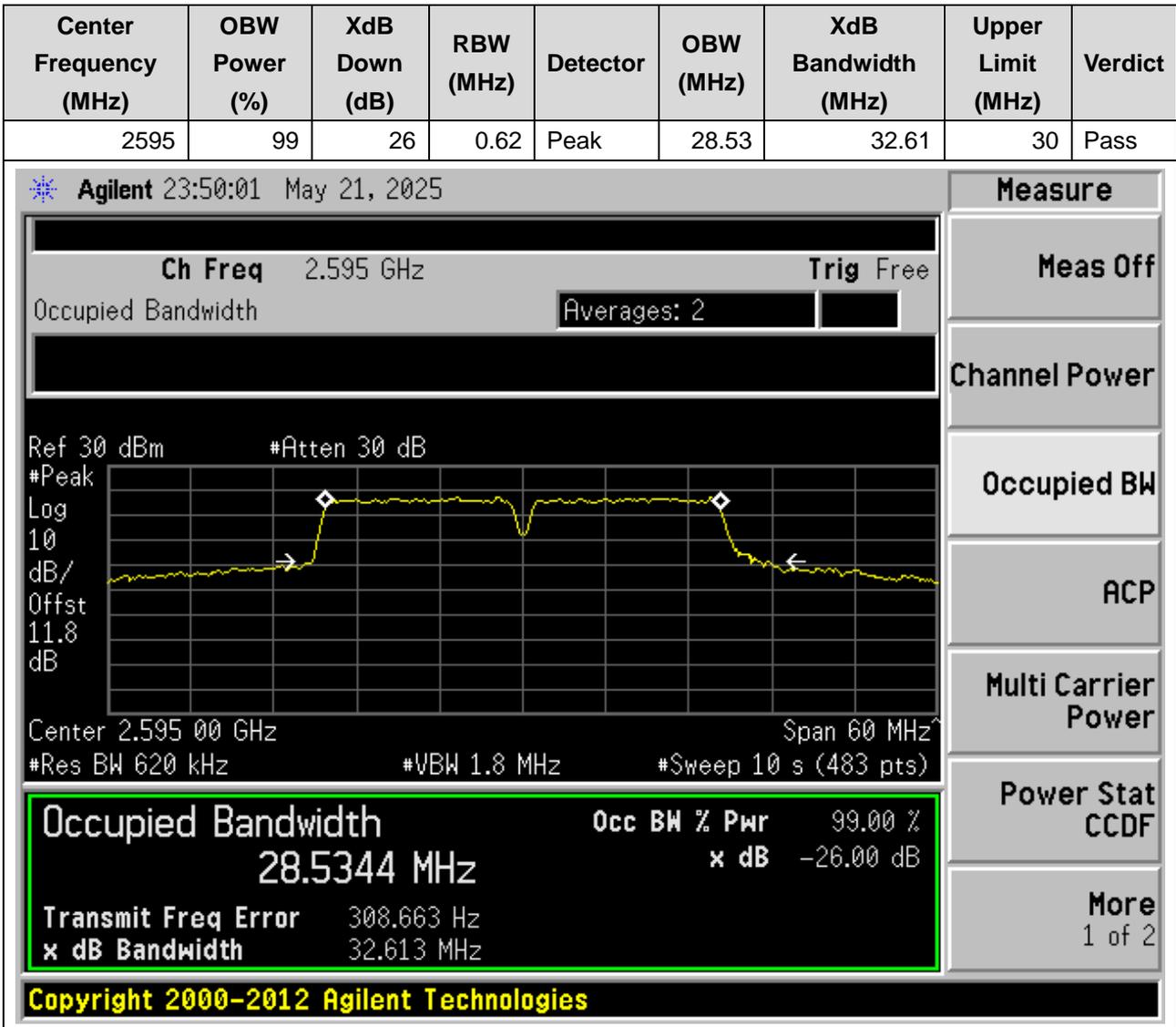
**1.12. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:21001|21199, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.82	Peak	37.66	40.22	40	Pass



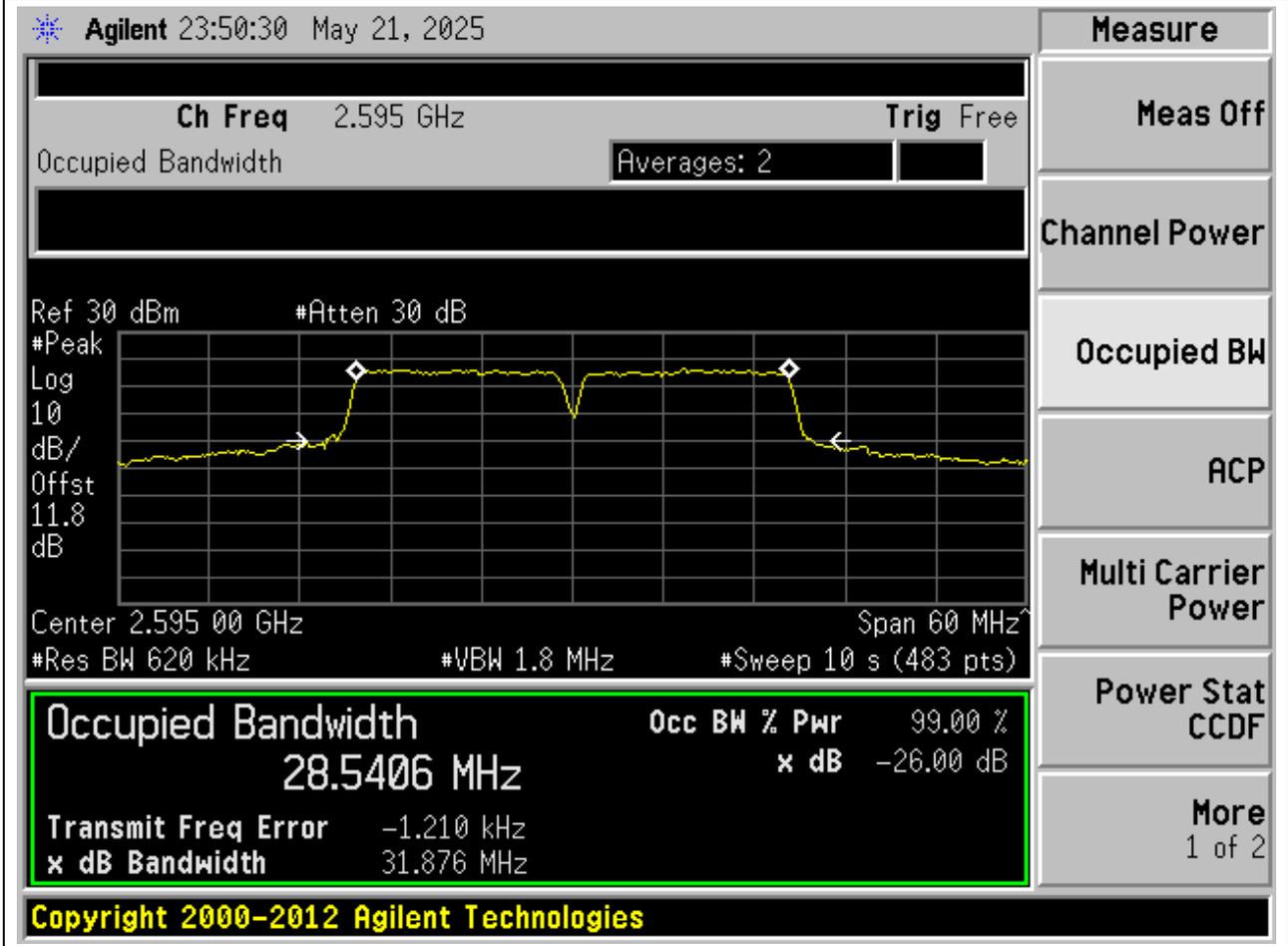
## 2. CA\_38C

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



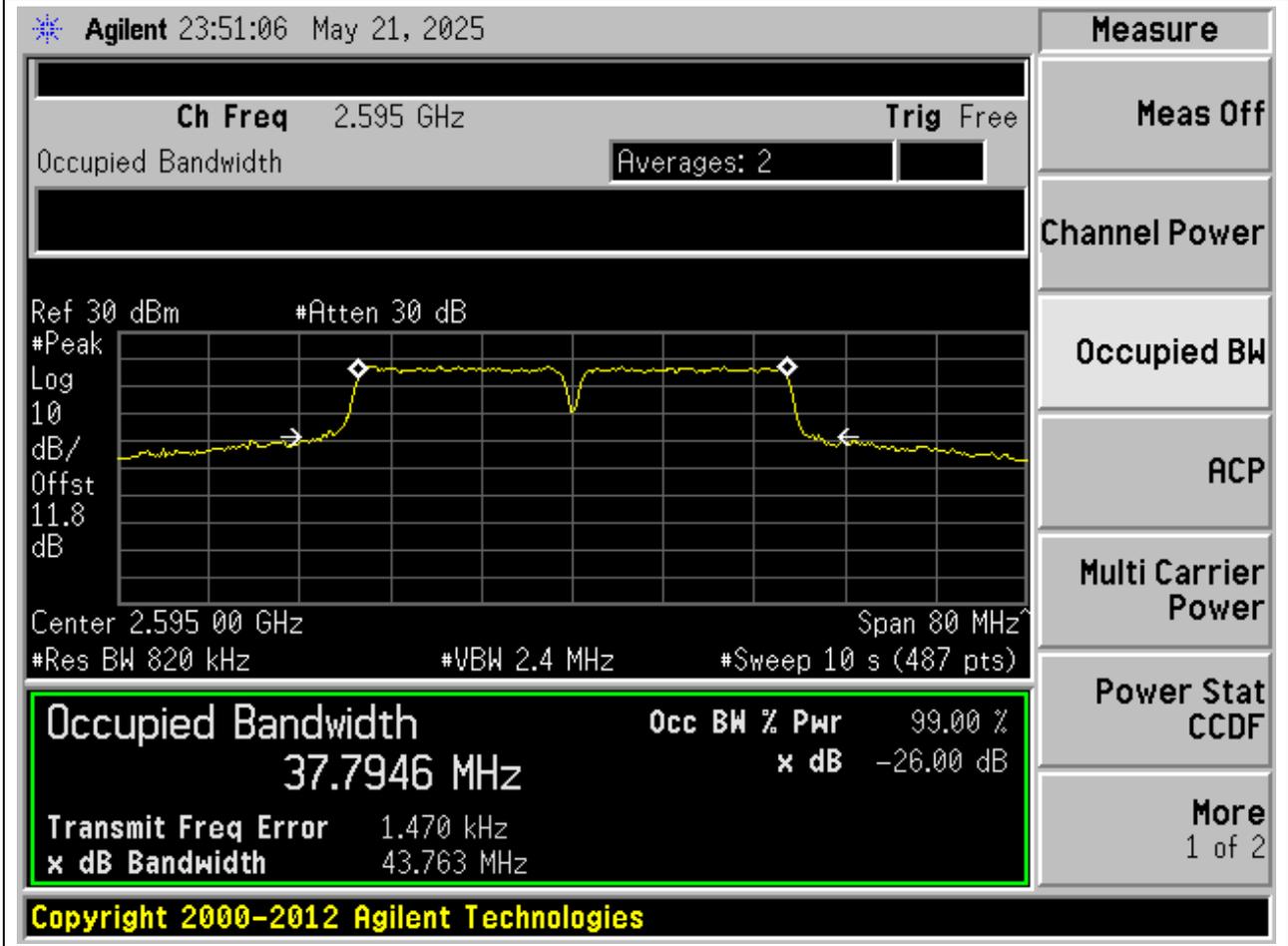
**2.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2,  
Channel:37925|38075, Bandwidth:15|15MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.62	Peak	28.54	31.88	30	Pass



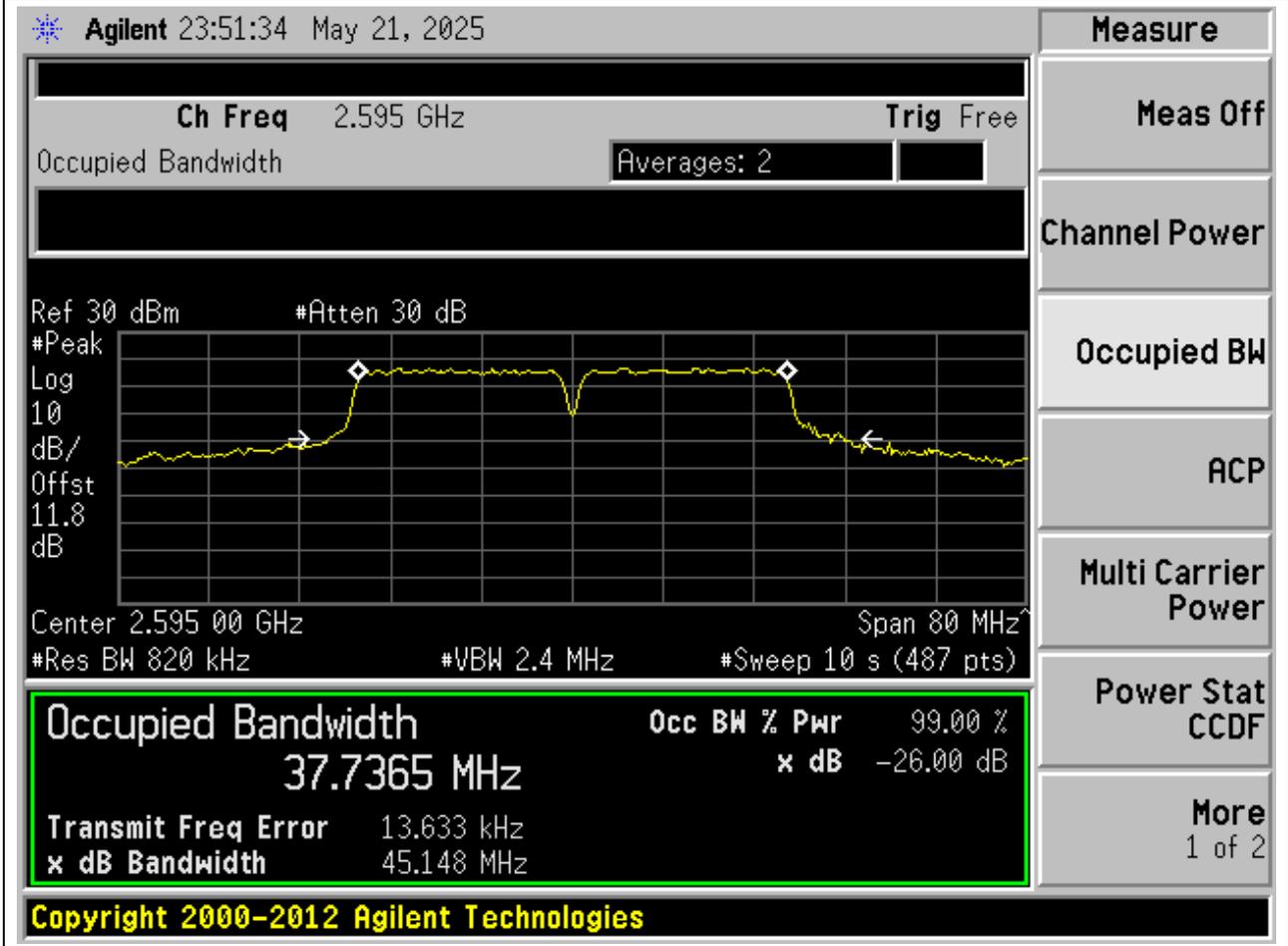
**2.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3,  
Channel:37901|38099, Bandwidth:20|20MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.79	43.76	40	Pass



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

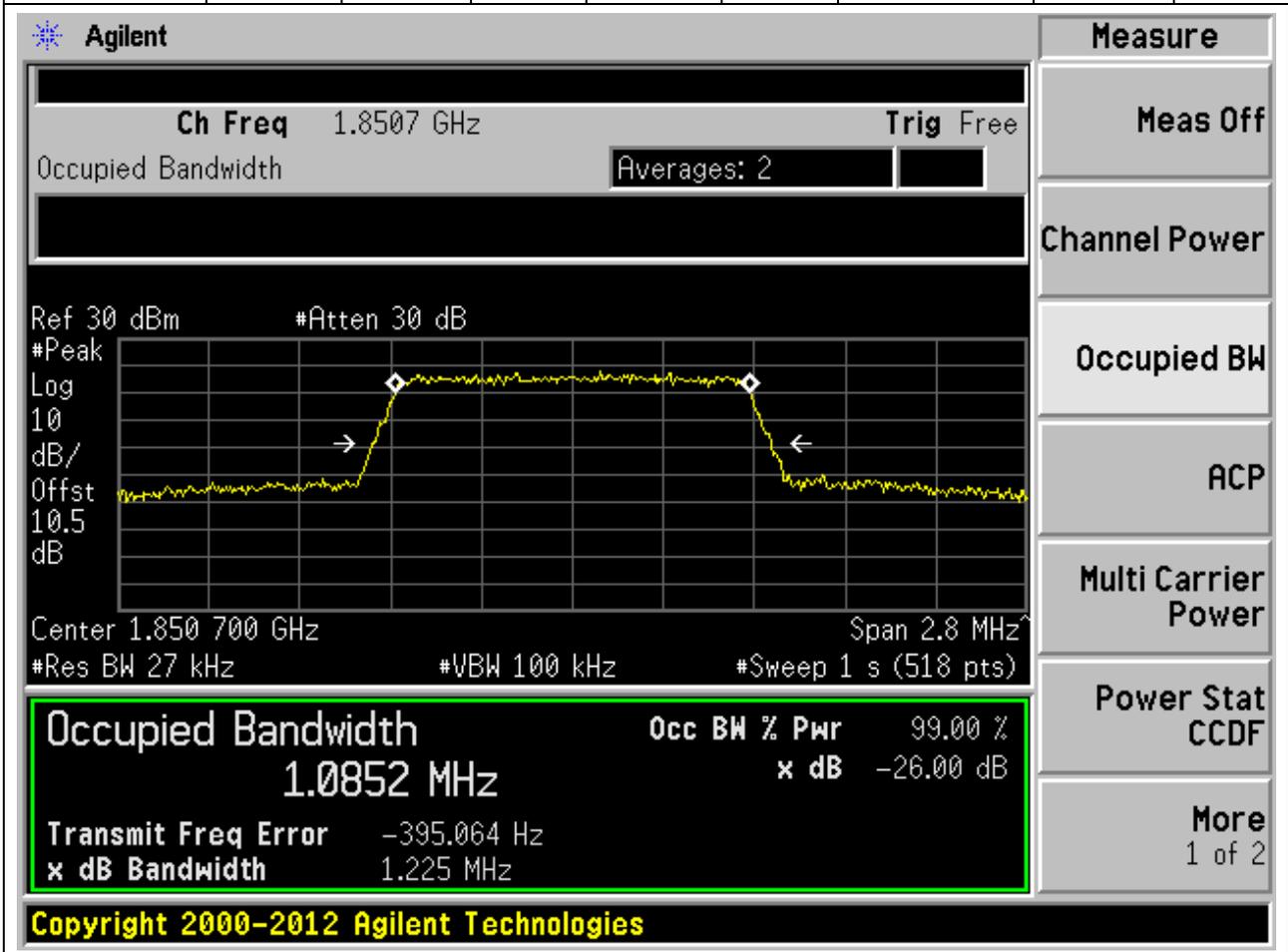
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.82	Peak	37.74	45.15	40	Pass



## 1. LTE\_Band2

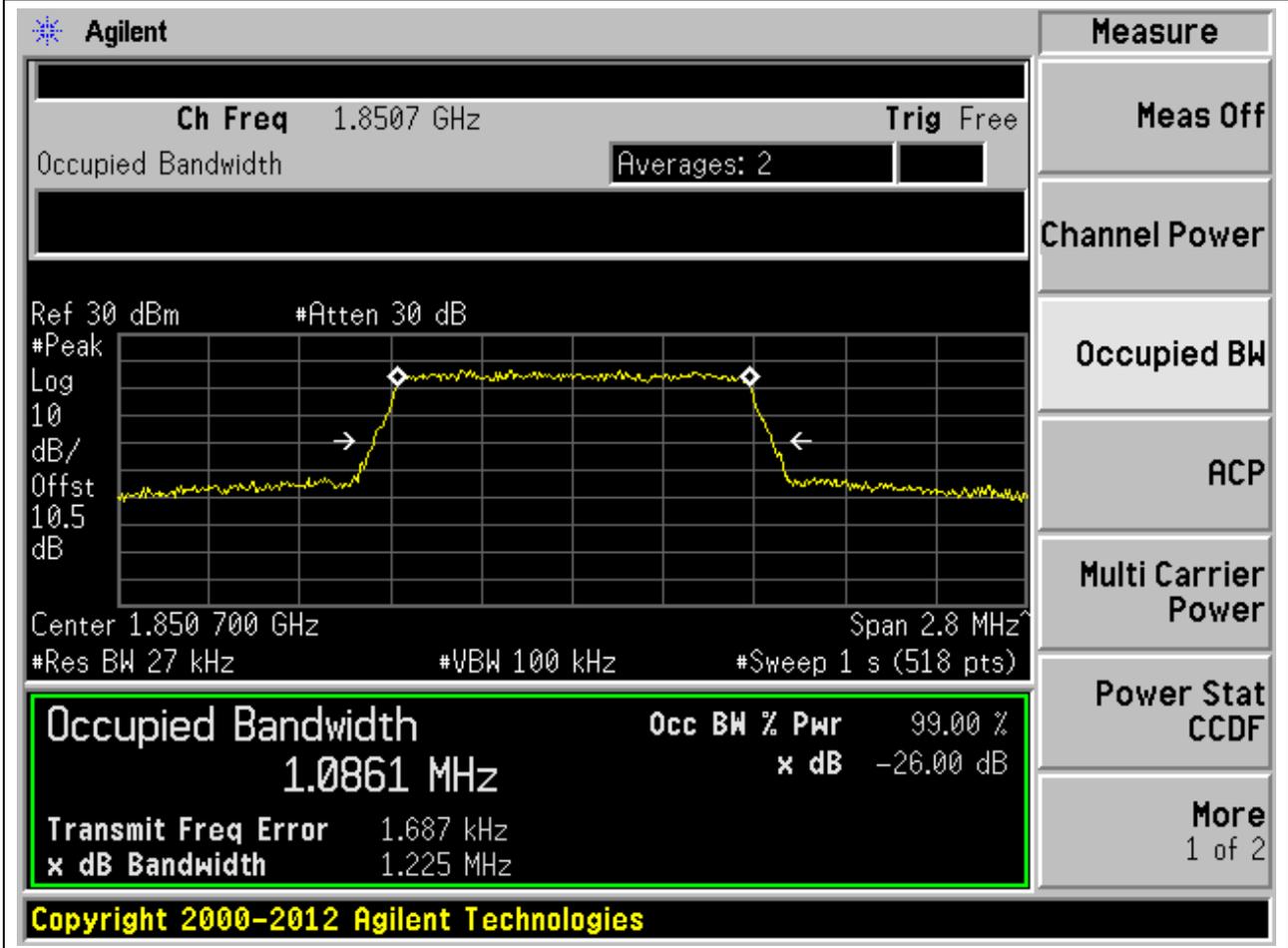
1.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass



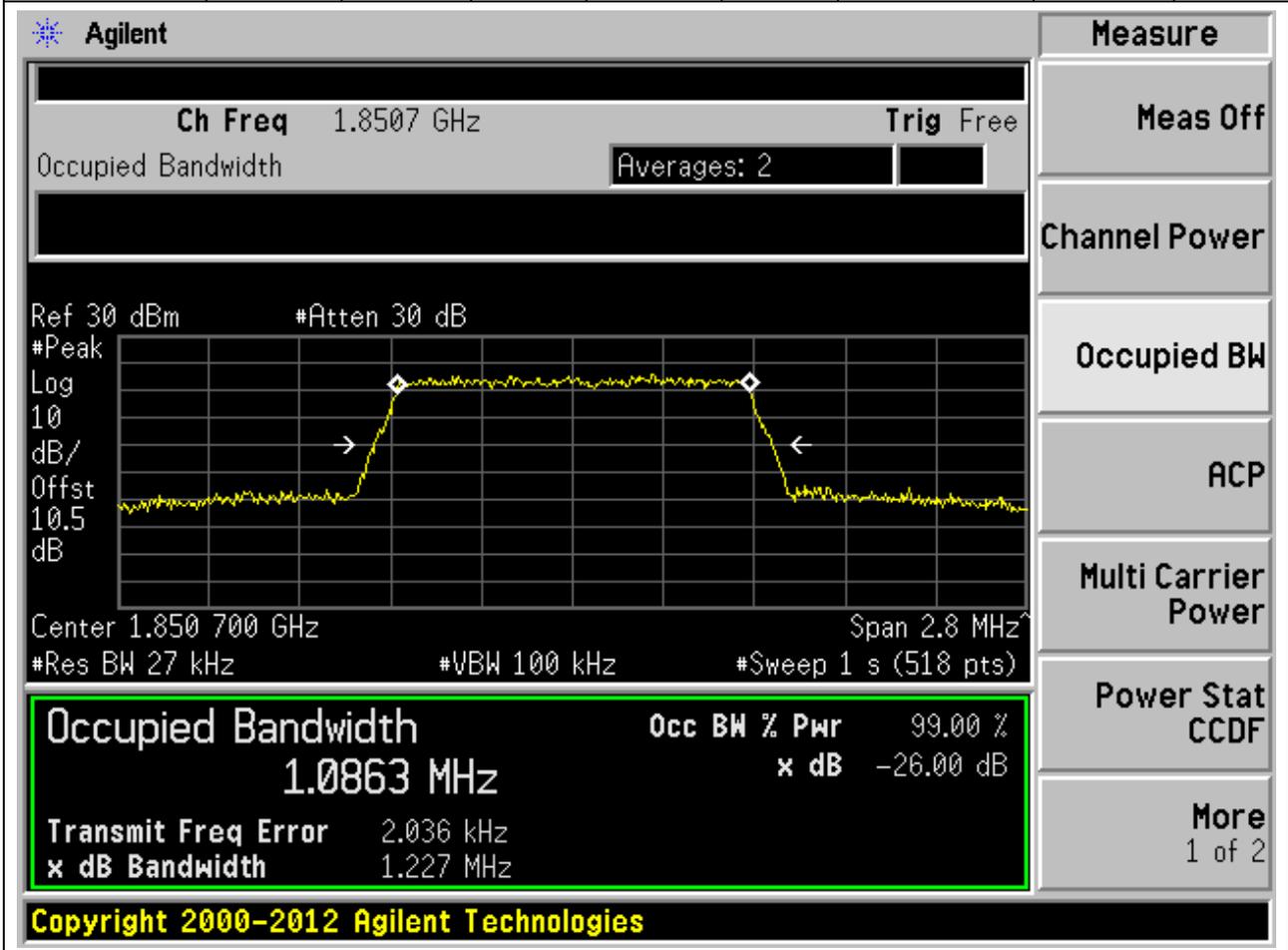
**1.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18607, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass



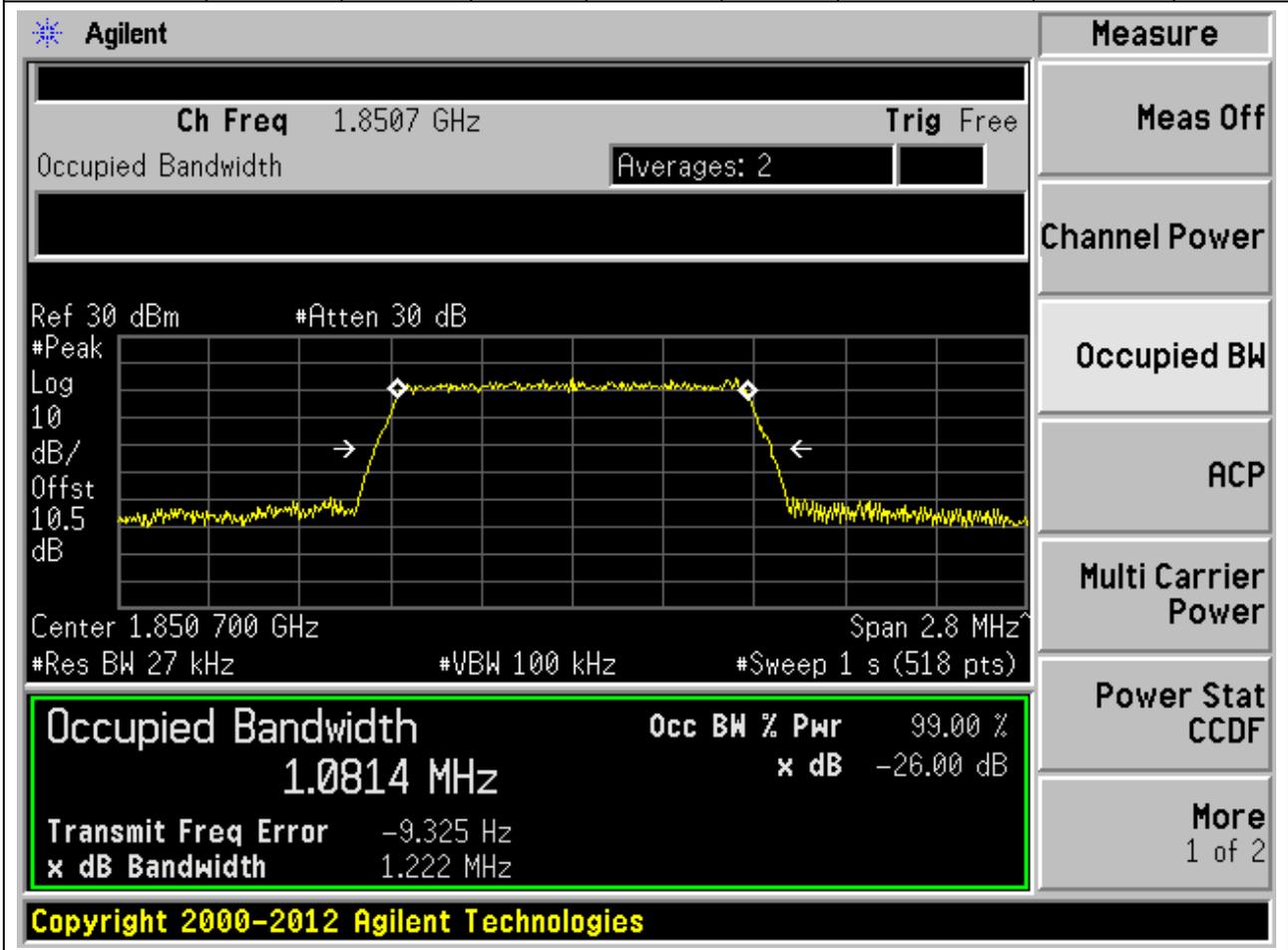
**1.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18607, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass



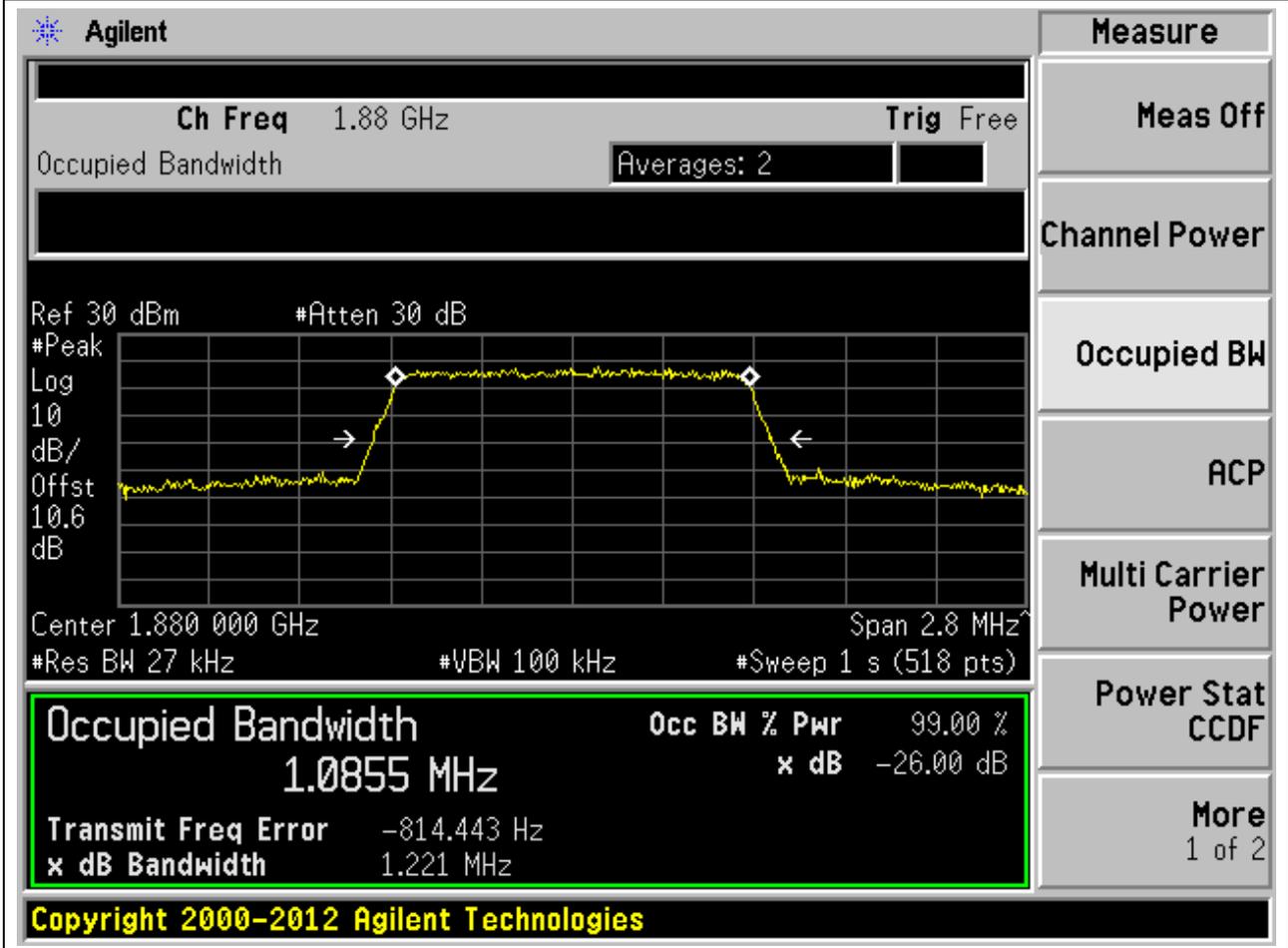
**1.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18607, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.7	99	26	0.027	Peak	1.08	1.22	1.4	Pass



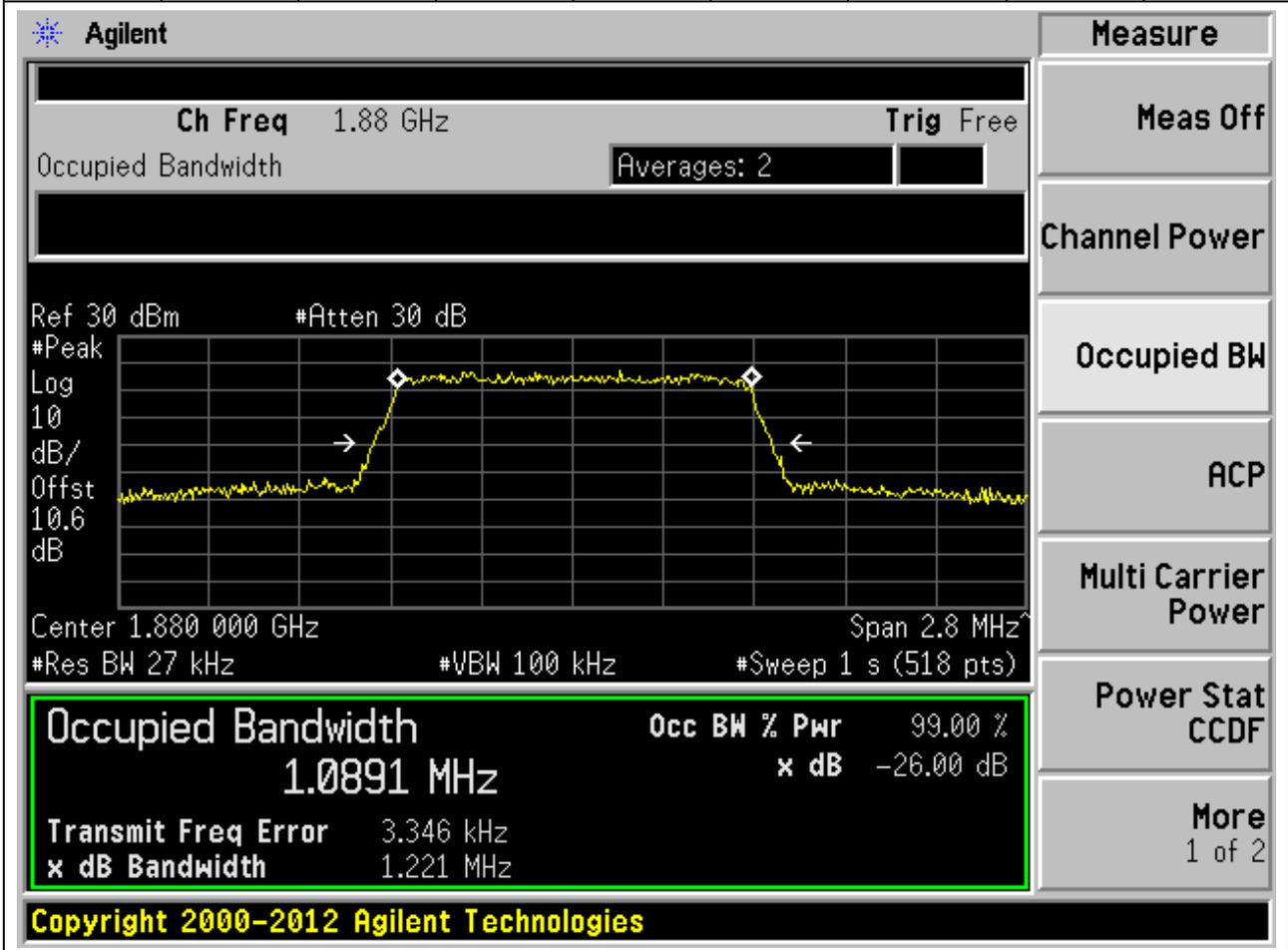
**1.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.027	Peak	1.09	1.22	1.4	Pass



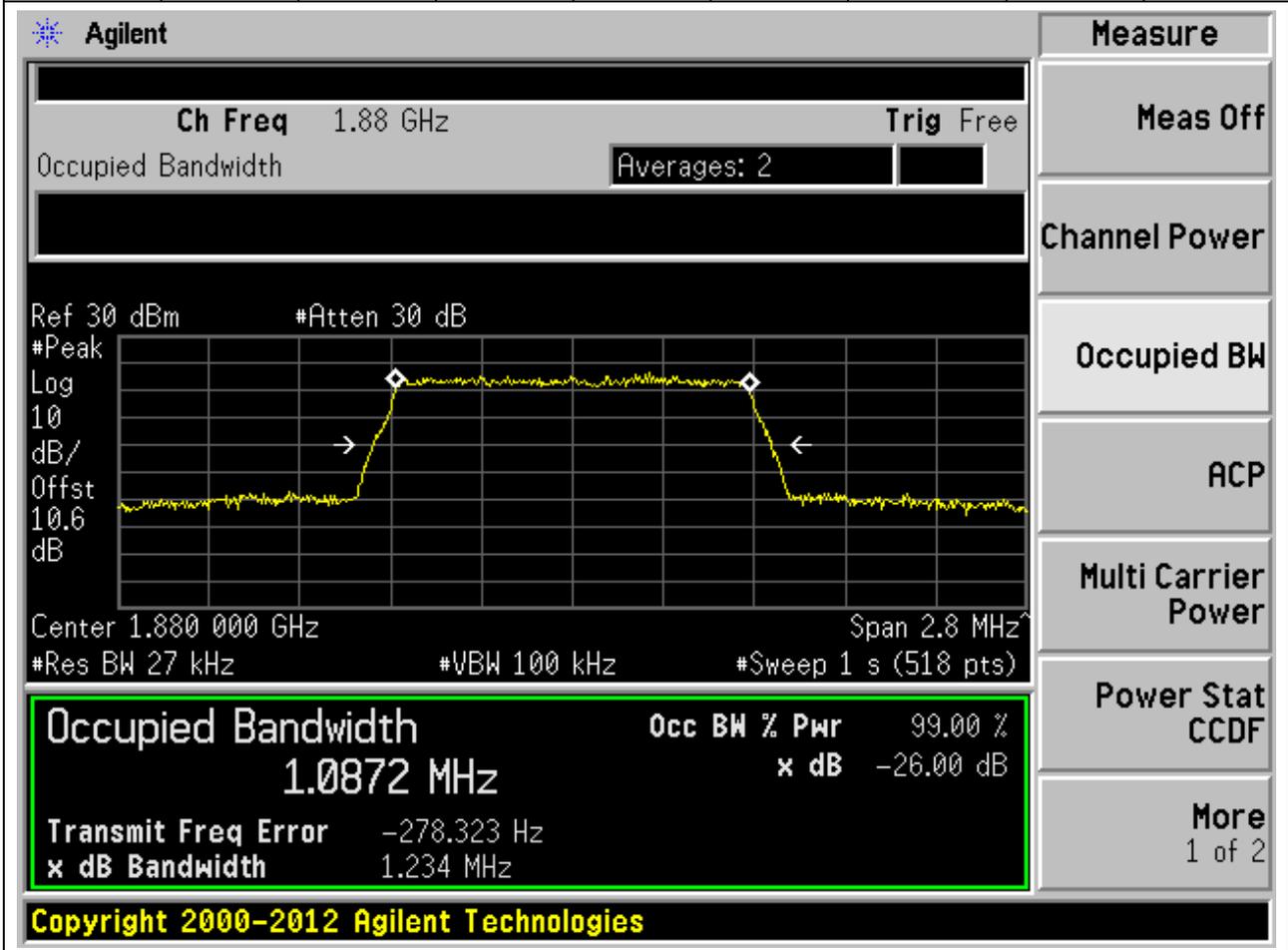
**1.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.027	Peak	1.09	1.22	1.4	Pass



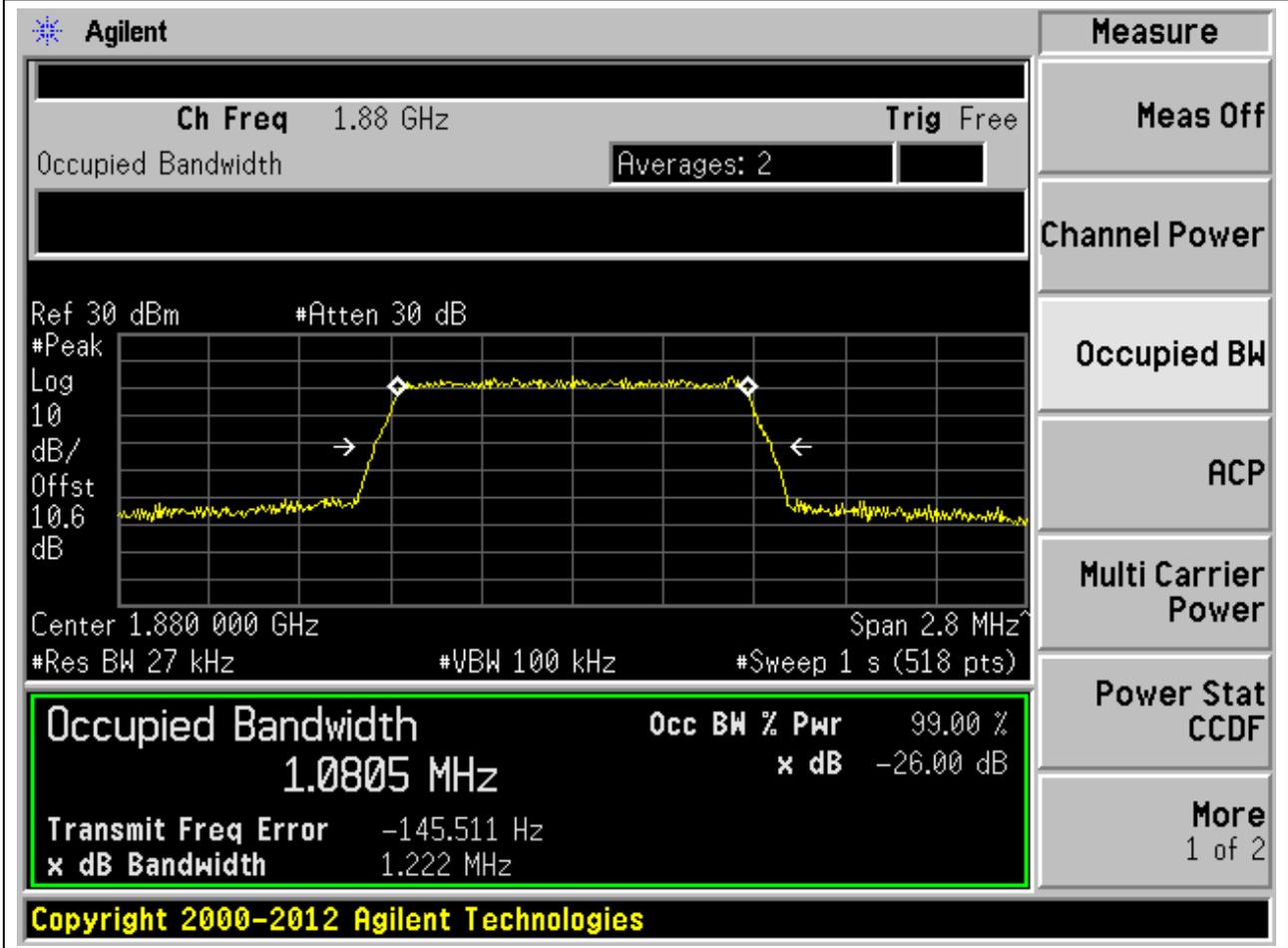
**1.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.027	Peak	1.09	1.23	1.4	Pass



**1.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.027	Peak	1.08	1.22	1.4	Pass



**1.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

Agilent

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

Ch Freq 1.9093 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.909 300 GHz Span 2.8 MHz

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

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

**1.0864 MHz** x dB -26.00 dB

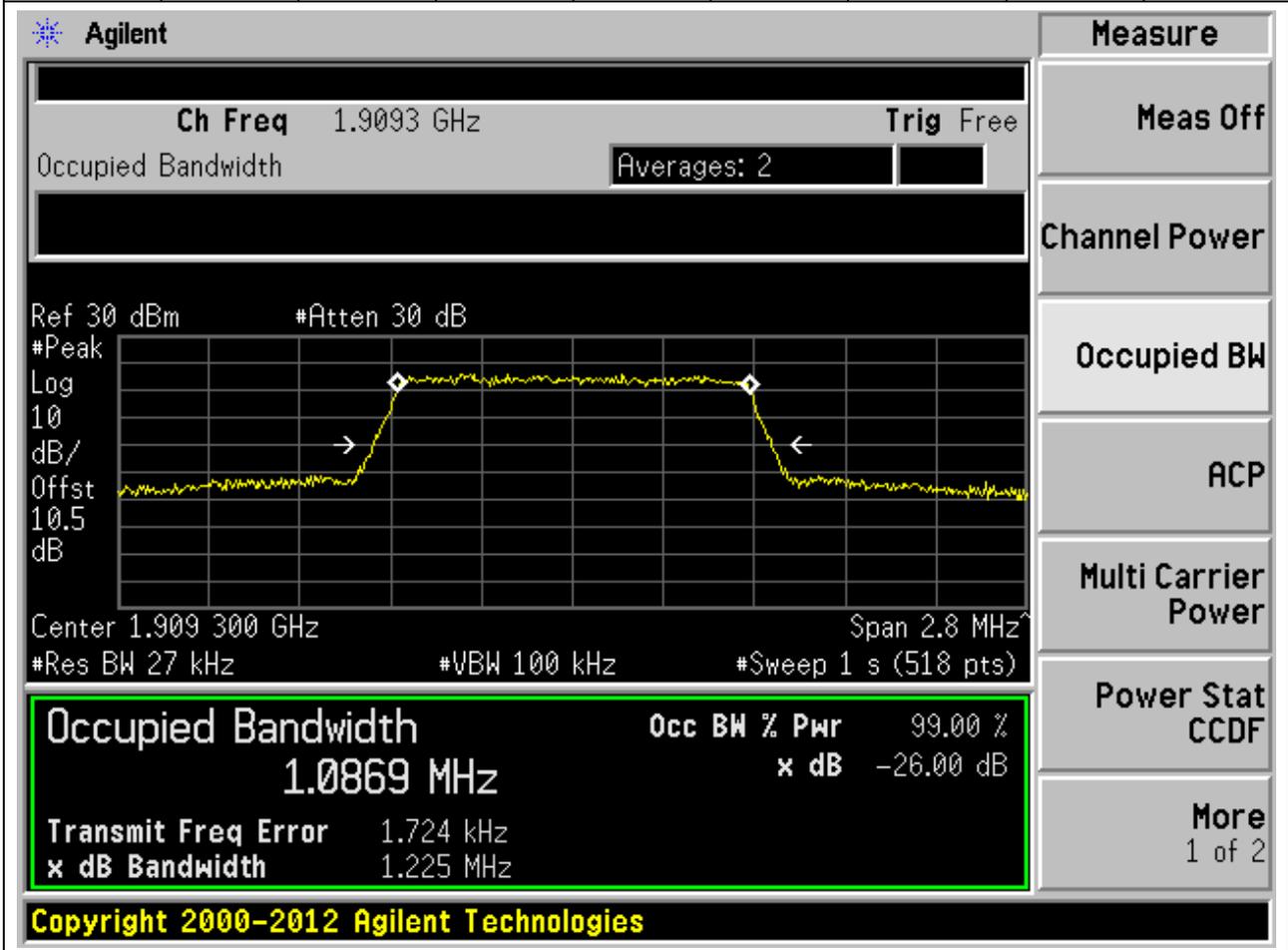
Transmit Freq Error -2.470 kHz

x dB Bandwidth 1.226 MHz

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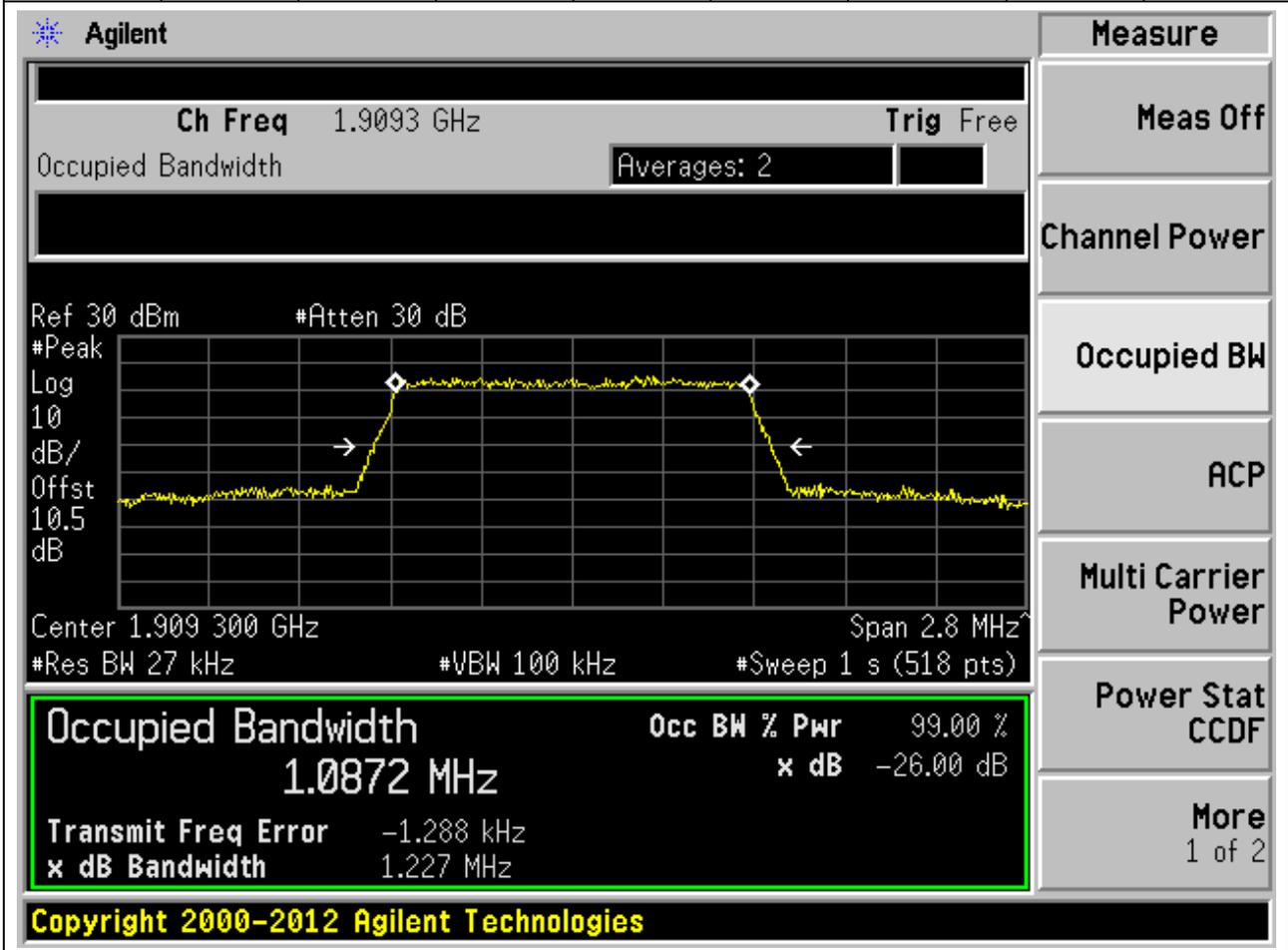
**1.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19193, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass



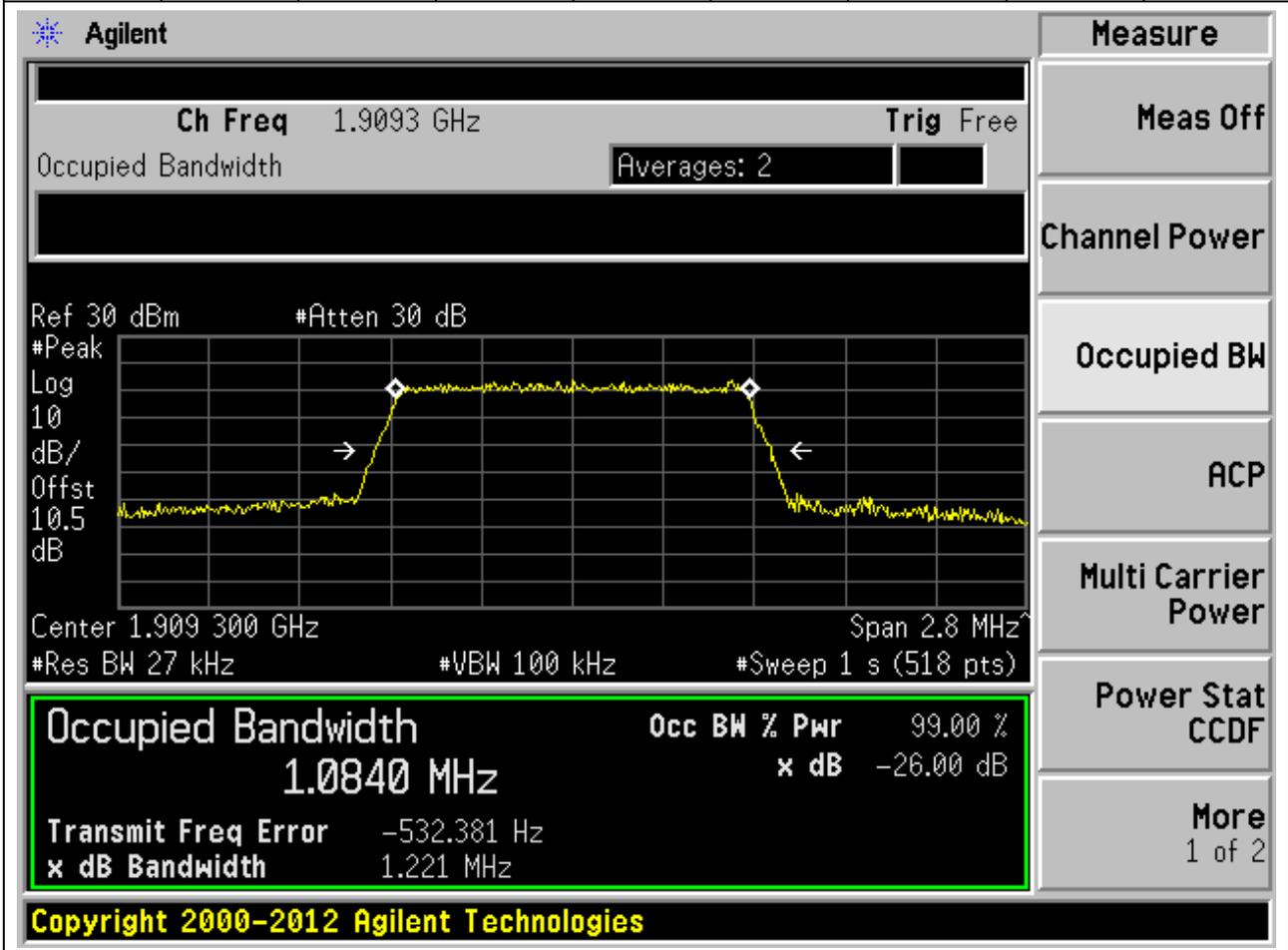
**1.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19193, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass



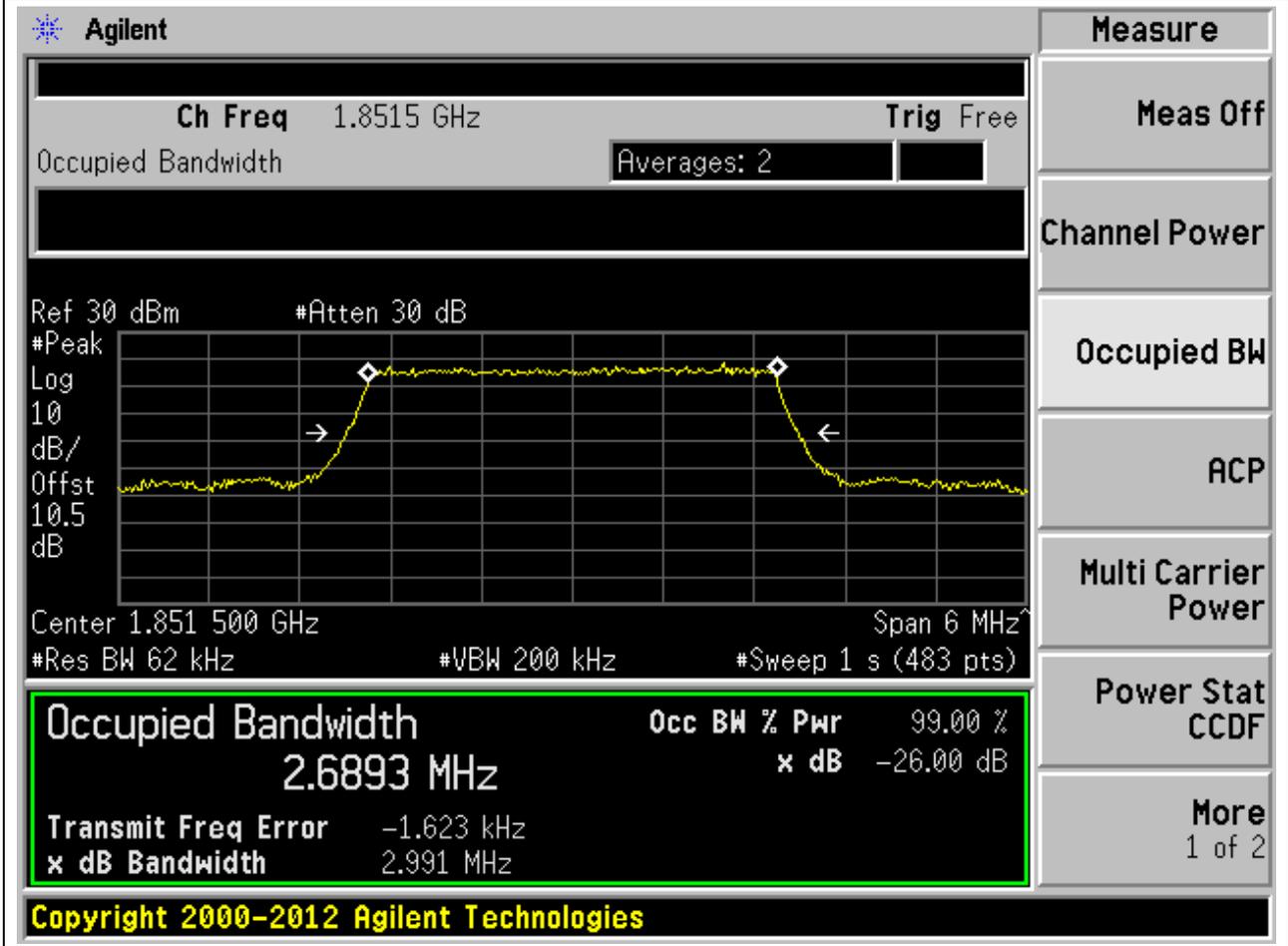
**1.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19193, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.027	Peak	1.08	1.22	1.4	Pass



**1.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.69	2.99	3	Pass



**1.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18615, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.69	3.01	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.8515 GHz. The occupied bandwidth is measured as 2.6897 MHz. The power is 99.00% and the XdB down is -26.00 dB. The RBW is 0.062 MHz. The detector is set to Peak. The upper limit is 3 MHz. The verdict is Pass.

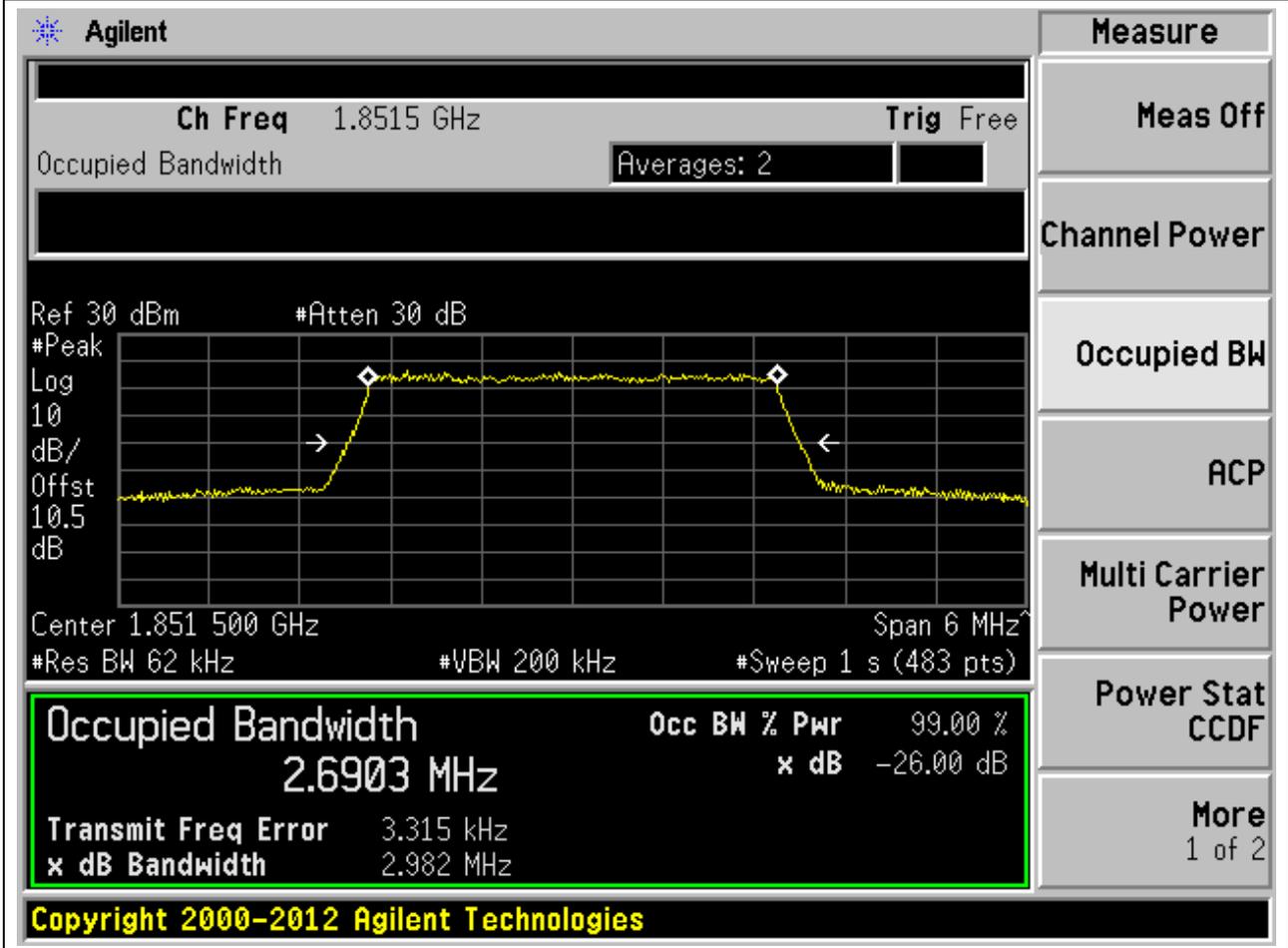
Occupied Bandwidth	Occ BW % Pwr	x dB
2.6897 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 1.8515 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.5 dB, Center 1.851 500 GHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts), Transmit Freq Error 953.262 Hz, x dB Bandwidth 3.012 MHz.

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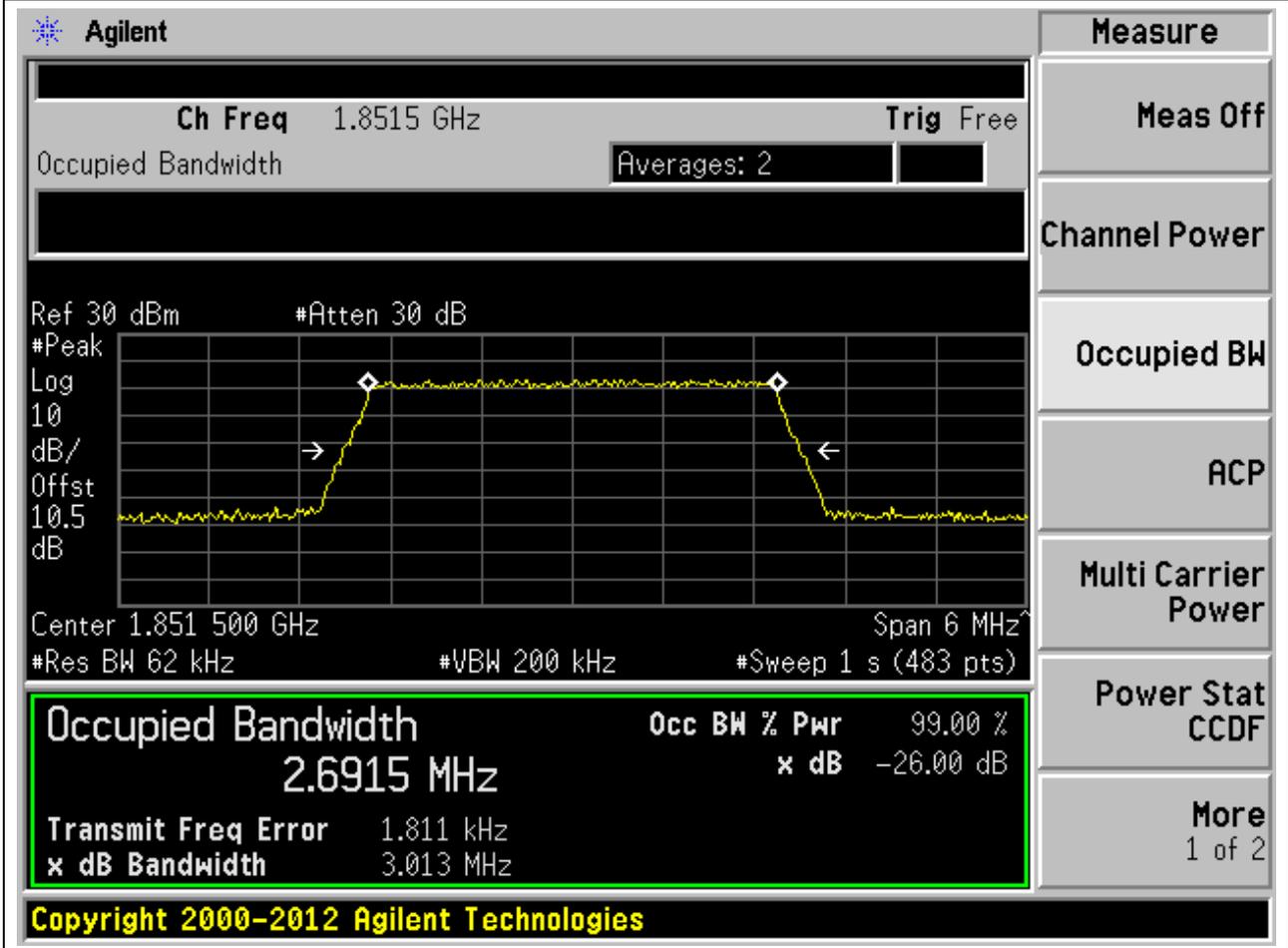
**1.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18615, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.69	2.98	3	Pass



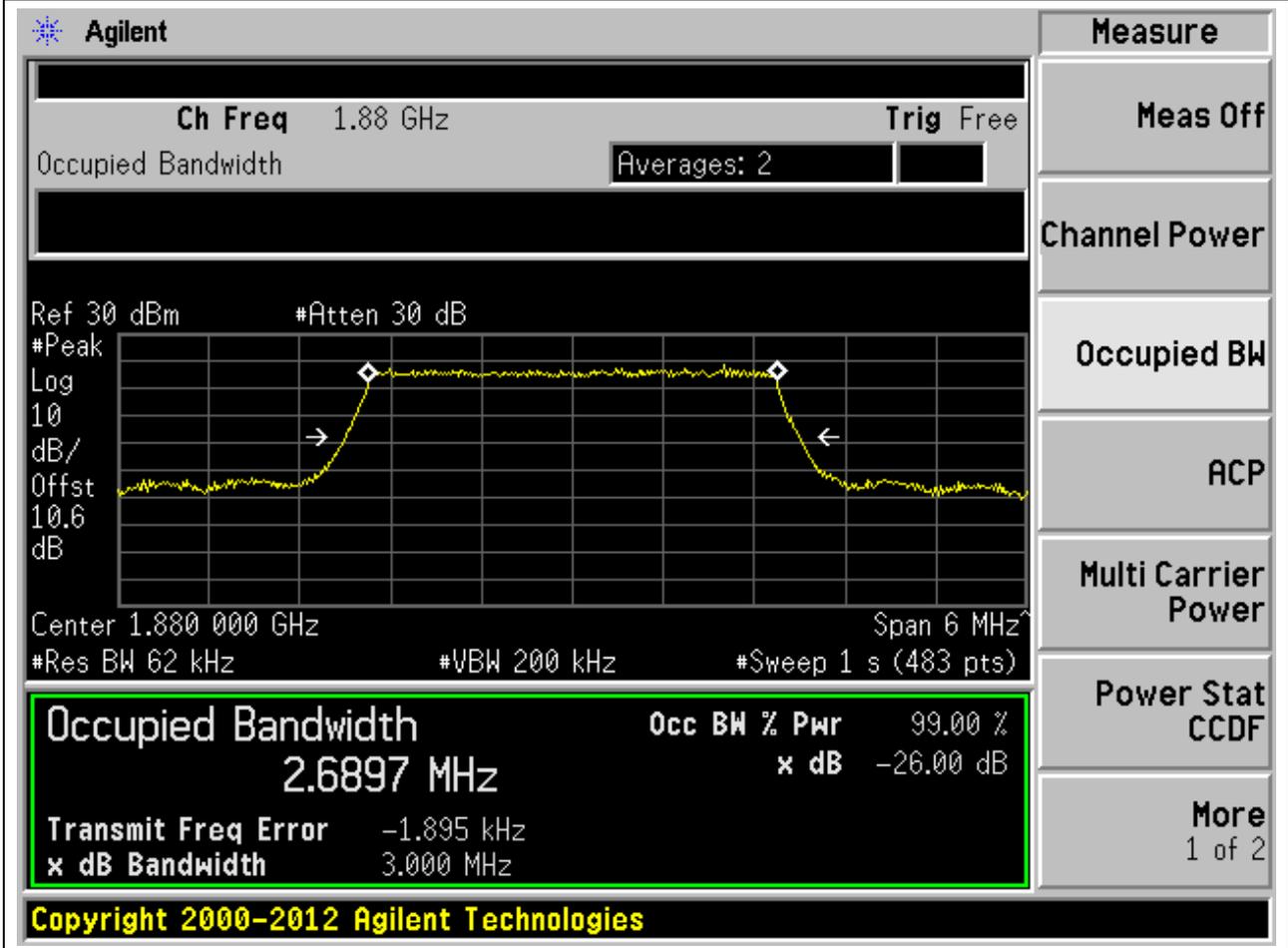
**1.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18615, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.69	3.01	3	Pass



**1.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.062	Peak	2.69	3	3	Pass



**1.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.062	Peak	2.69	3	3	Pass

**Agilent**

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.880 000 GHz Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6906 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	152.407 Hz	
<b>x dB Bandwidth</b>	2.997 MHz	

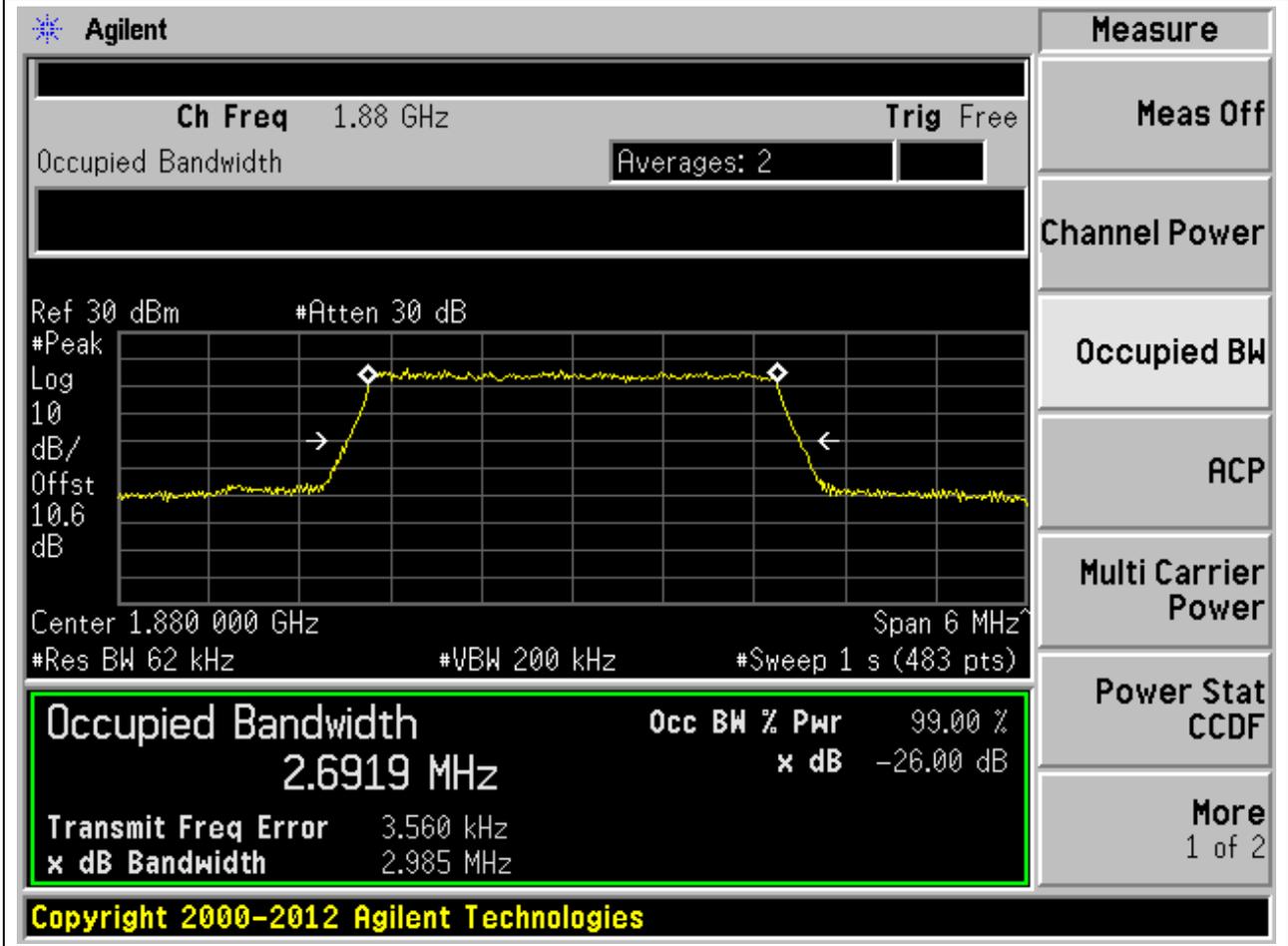
**Measure**

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

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**1.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.062	Peak	2.69	2.98	3	Pass



**1.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.062	Peak	2.69	3.01	3	Pass

**Agilent**

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.880 000 GHz Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6897 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.137 kHz
<b>x dB Bandwidth</b>		3.007 MHz

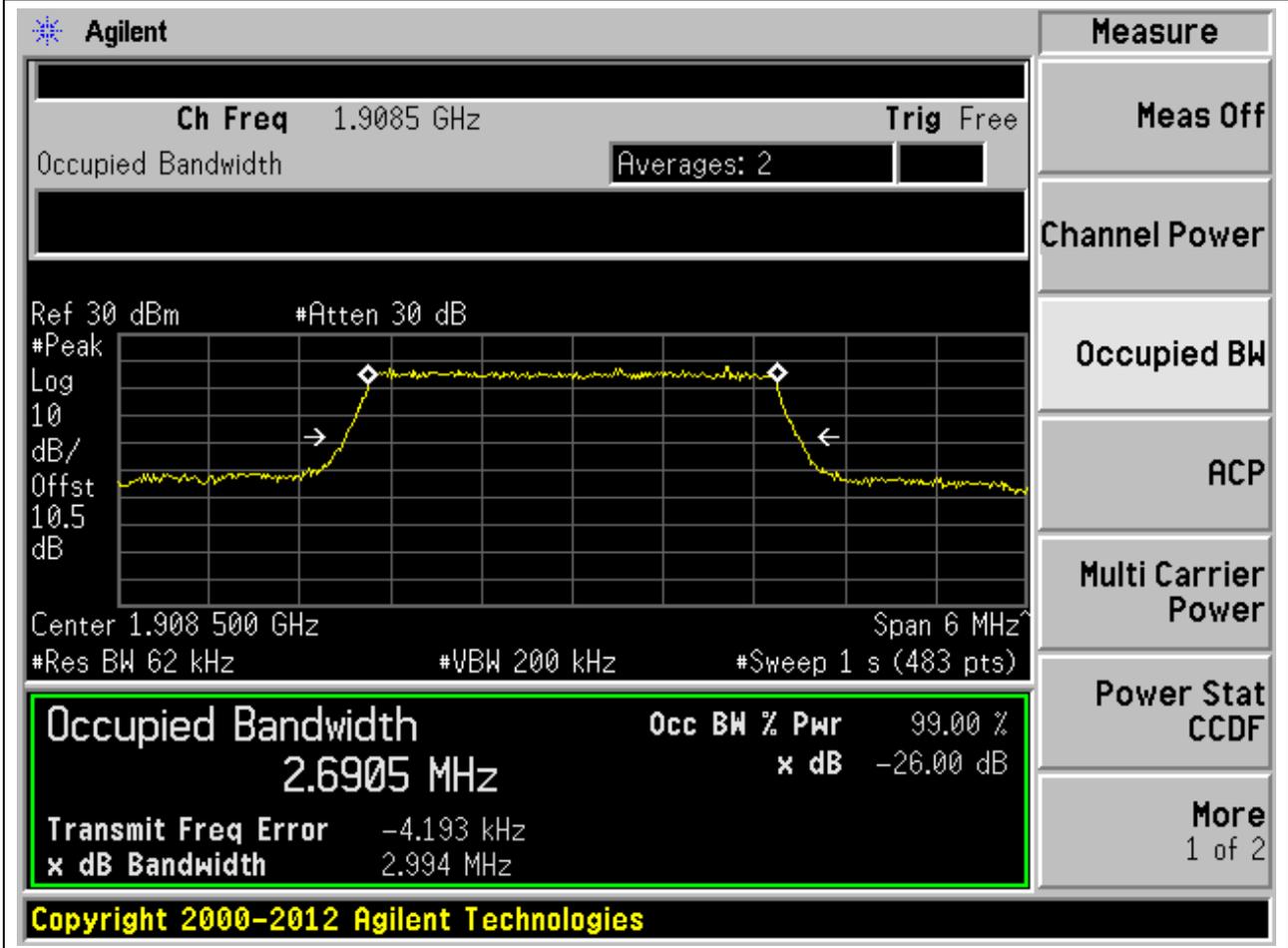
**Measure**

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

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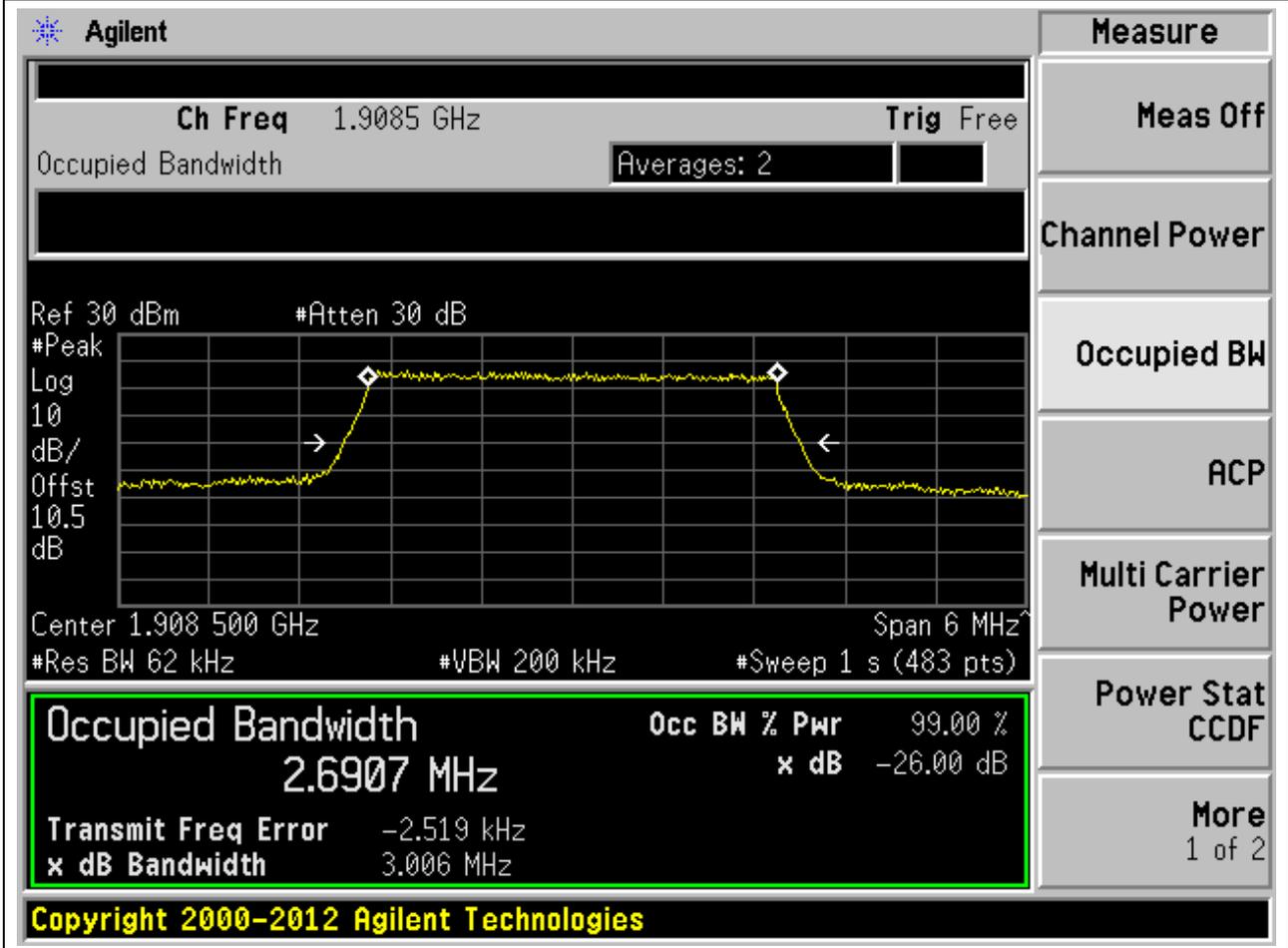
**1.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.69	2.99	3	Pass



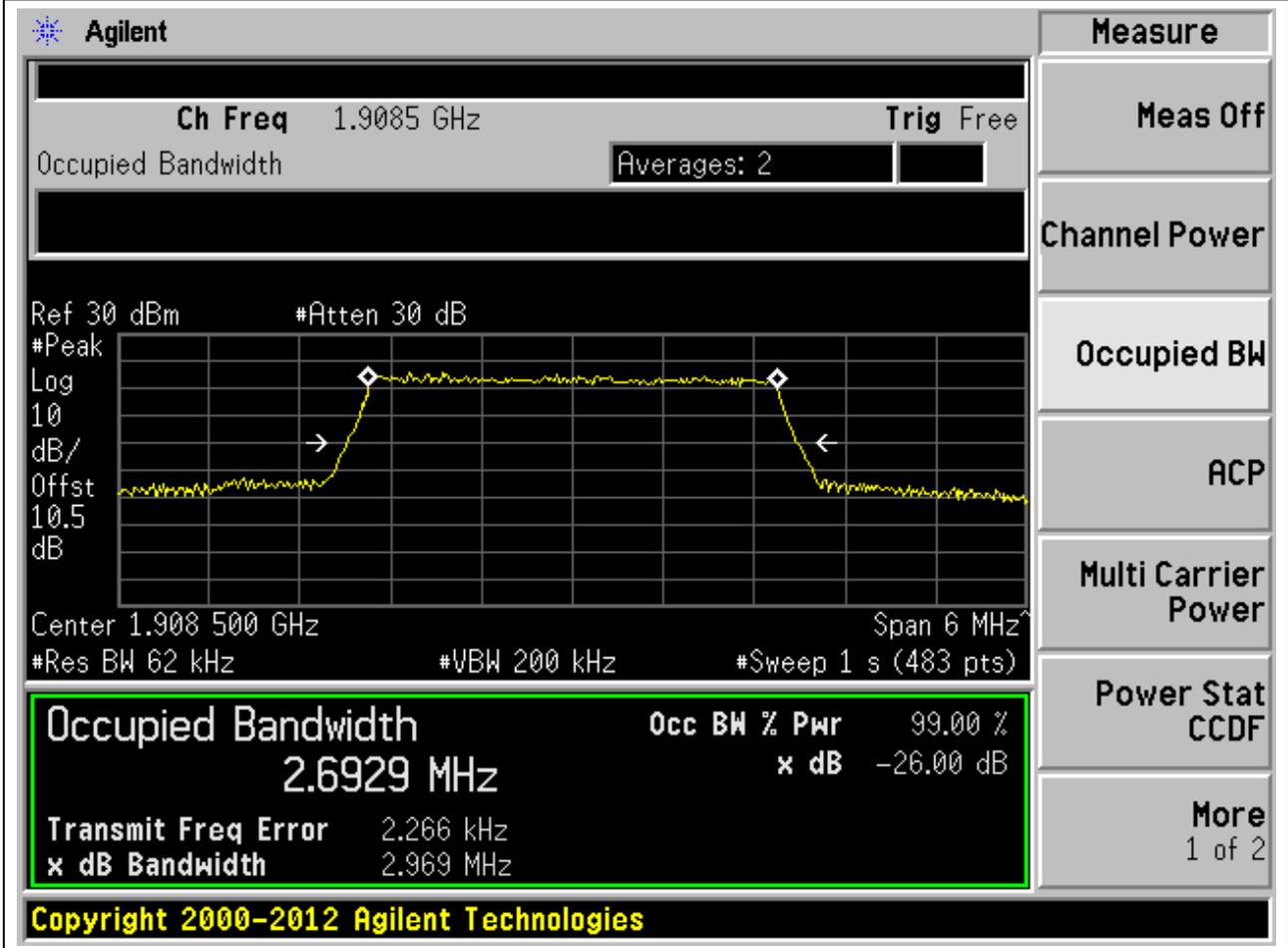
**1.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19185, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.69	3.01	3	Pass



**1.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19185, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.69	2.97	3	Pass



**1.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19185, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1908.5	99	26	0.062	Peak	2.7	3.01	3	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	2.7018 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.040 kHz
x dB Bandwidth	3.008 MHz

Other visible parameters include: Ch Freq 1.9085 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.5 dB, Center 1.908 500 GHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts).

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**1.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.49	4.98	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.8525 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 1.8525 GHz and a span of 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 second. The plot shows a signal with a peak level of approximately 30 dBm and a bandwidth of about 4.5 MHz. The occupied bandwidth is measured as 4.4861 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -236.044 Hz, and the XdB bandwidth is 4.977 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 information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4861 MHz	x dB	-26.00 dB
Transmit Freq Error	-236.044 Hz	
x dB Bandwidth	4.977 MHz	

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**1.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18625, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.49	4.95	5	Pass

Agilent

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

Ch Freq 1.8525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.852 500 GHz Span 10 MHz

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

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

4.4854 MHz x dB -26.00 dB

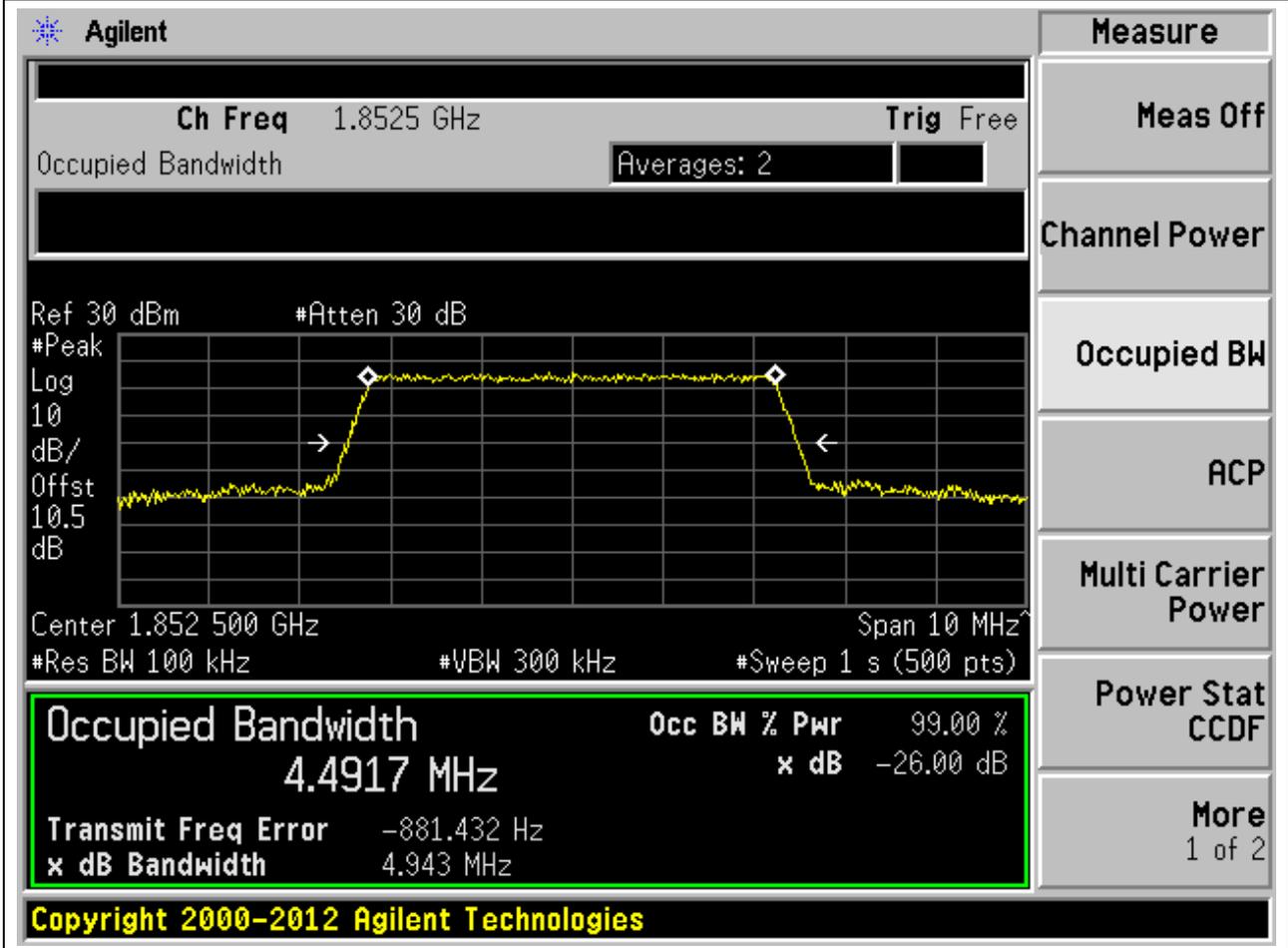
Transmit Freq Error 3.836 kHz

x dB Bandwidth 4.955 MHz

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**1.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18625, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.49	4.94	5	Pass



**1.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18625, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.47	4.91	5	Pass

Agilent

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

Ch Freq 1.8525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.852 500 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4748 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 925.534 Hz	
<b>x dB Bandwidth</b> 4.908 MHz	

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**1.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.49	4.99	5	Pass

Agilent

Measure

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.6 dB

Center 1.880 000 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4877 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -7.223 kHz	
<b>x dB Bandwidth</b> 4.988 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**1.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.48	4.98	5	Pass

Agilent

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

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.880 000 GHz Span 10 MHz

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

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

**4.4795 MHz** x dB -26.00 dB

Transmit Freq Error -1.079 kHz

x dB Bandwidth 4.975 MHz

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**1.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.5	4.94	5	Pass

Agilent

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

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.880 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4955 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -4.357 kHz	
<b>x dB Bandwidth</b> 4.937 MHz	

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**1.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.48	4.91	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 1.88 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a logarithmic scale (Log) with a resolution bandwidth of 100 kHz and a video bandwidth of 300 kHz. The center frequency is 1.880 000 GHz and the span is 10 MHz. The occupied bandwidth is measured as 4.4772 MHz, which is 99.00% of the 4.48 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -3.394 kHz. The XdB bandwidth is 4.913 MHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4772 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -3.394 kHz  
x dB Bandwidth: 4.913 MHz

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**1.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.49	4.99	5	Pass

Agilent

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

Ch Freq 1.9075 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.907 500 GHz Span 10 MHz

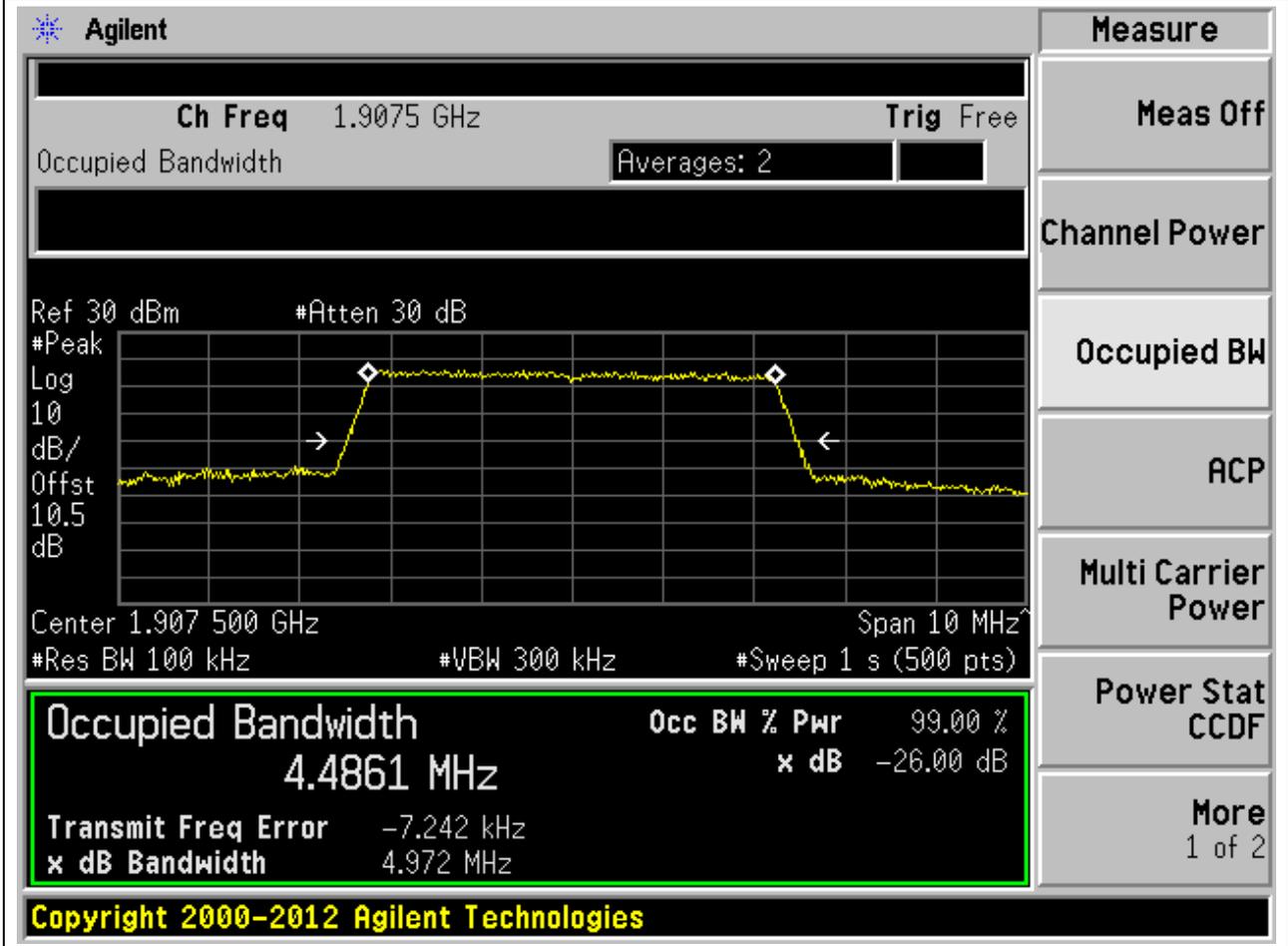
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4895 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-11.274 kHz
<b>x dB Bandwidth</b>	4.989 MHz

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**1.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19175, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.49	4.97	5	Pass



**1.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19175, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.5	4.93	5	Pass

Agilent

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

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.907 500 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4956 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -13.728 kHz	
<b>x dB Bandwidth</b> 4.935 MHz	

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**1.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19175, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.47	4.92	5	Pass

Agilent

Measure

Ch Freq 1.9075 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.5 dB

Center 1.907 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4744 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -7.060 kHz	
<b>x dB Bandwidth</b> 4.916 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**1.37. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.99	9.88	10	Pass

Agilent
Measure

Ch Freq 1.855 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.855 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9867 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 13.455 kHz	
<b>x dB Bandwidth</b> 9.876 MHz	

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**1.38. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18650, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.95	9.76	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.855 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.9503 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 9.454 kHz, and the XdB bandwidth is 9.759 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 %
8.9503 MHz	x dB	-26.00 dB
Transmit Freq Error	9.454 kHz	
x dB Bandwidth	9.759 MHz	

**1.39. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18650, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.98	9.82	10	Pass

Agilent
Measure

Ch Freq 1.855 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.855 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

**8.9773 MHz** x dB -26.00 dB

Transmit Freq Error 12.494 kHz

x dB Bandwidth 9.823 MHz

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**1.40. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18650, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.96	9.79	10	Pass

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

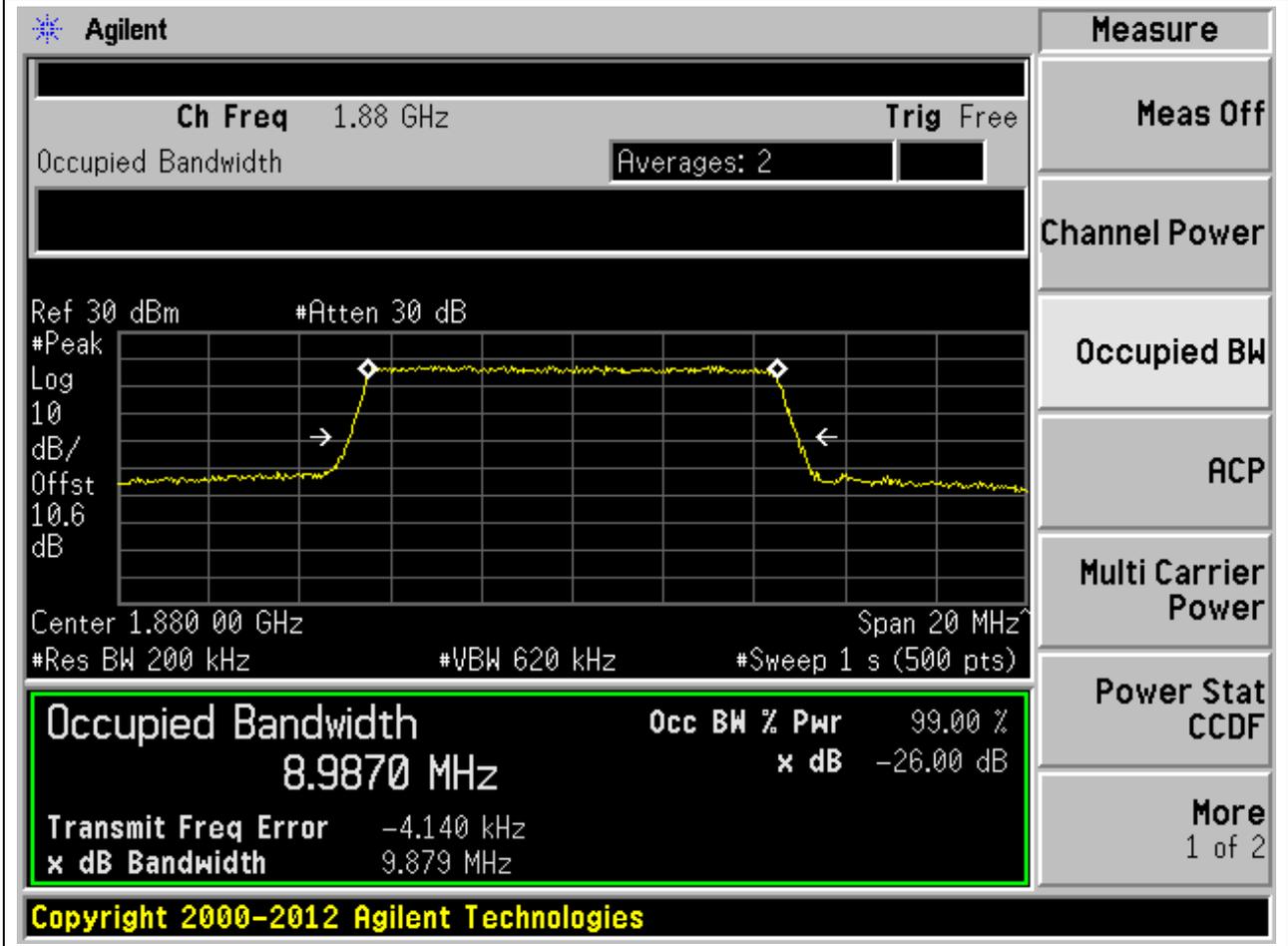
Measurement	Value
Occupied Bandwidth	8.9556 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	5.541 kHz
x dB Bandwidth	9.789 MHz

Other visible parameters include: Ch Freq 1.855 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.5 dB, Center 1.855 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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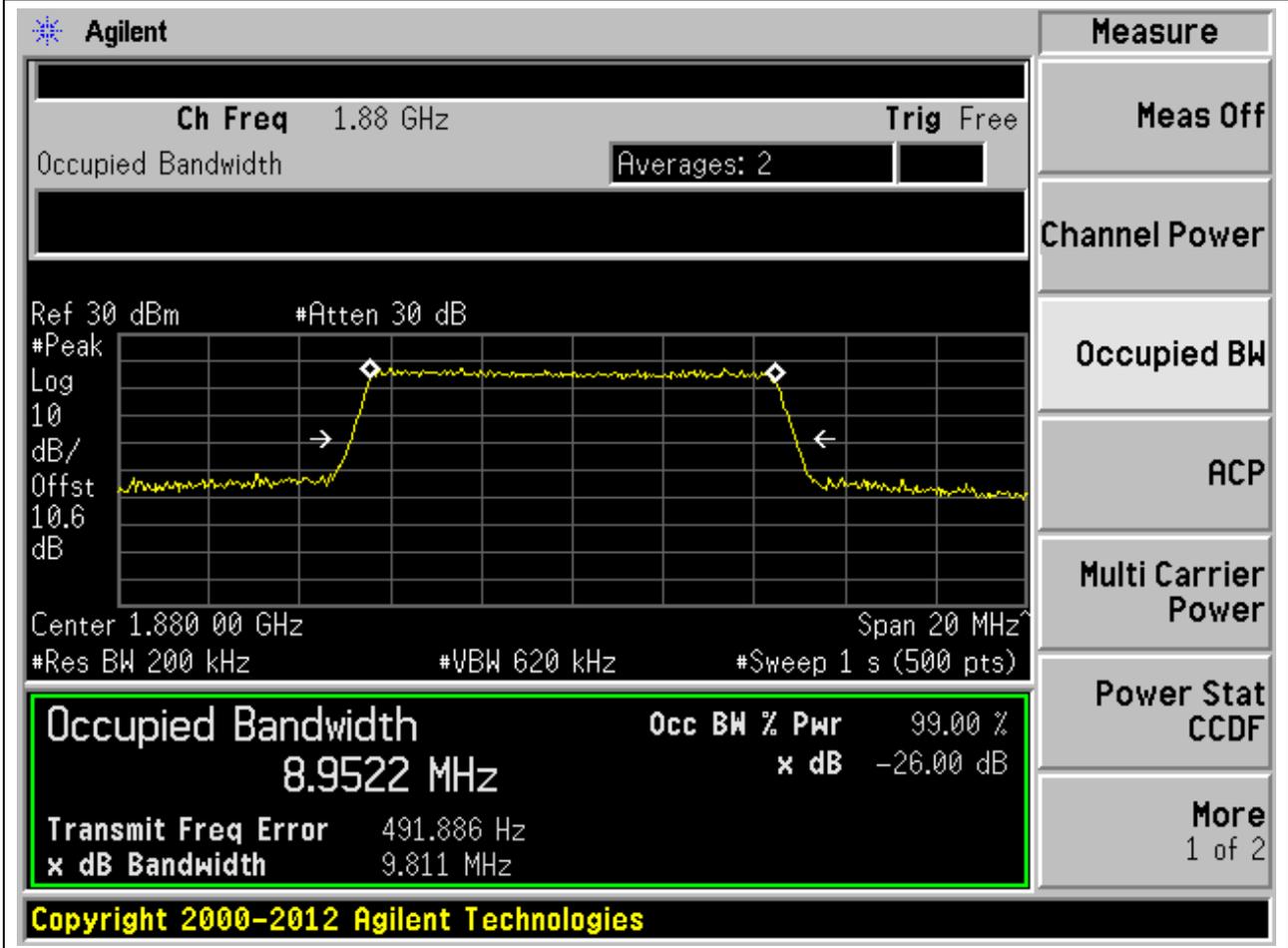
**1.41. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.2	Peak	8.99	9.88	10	Pass



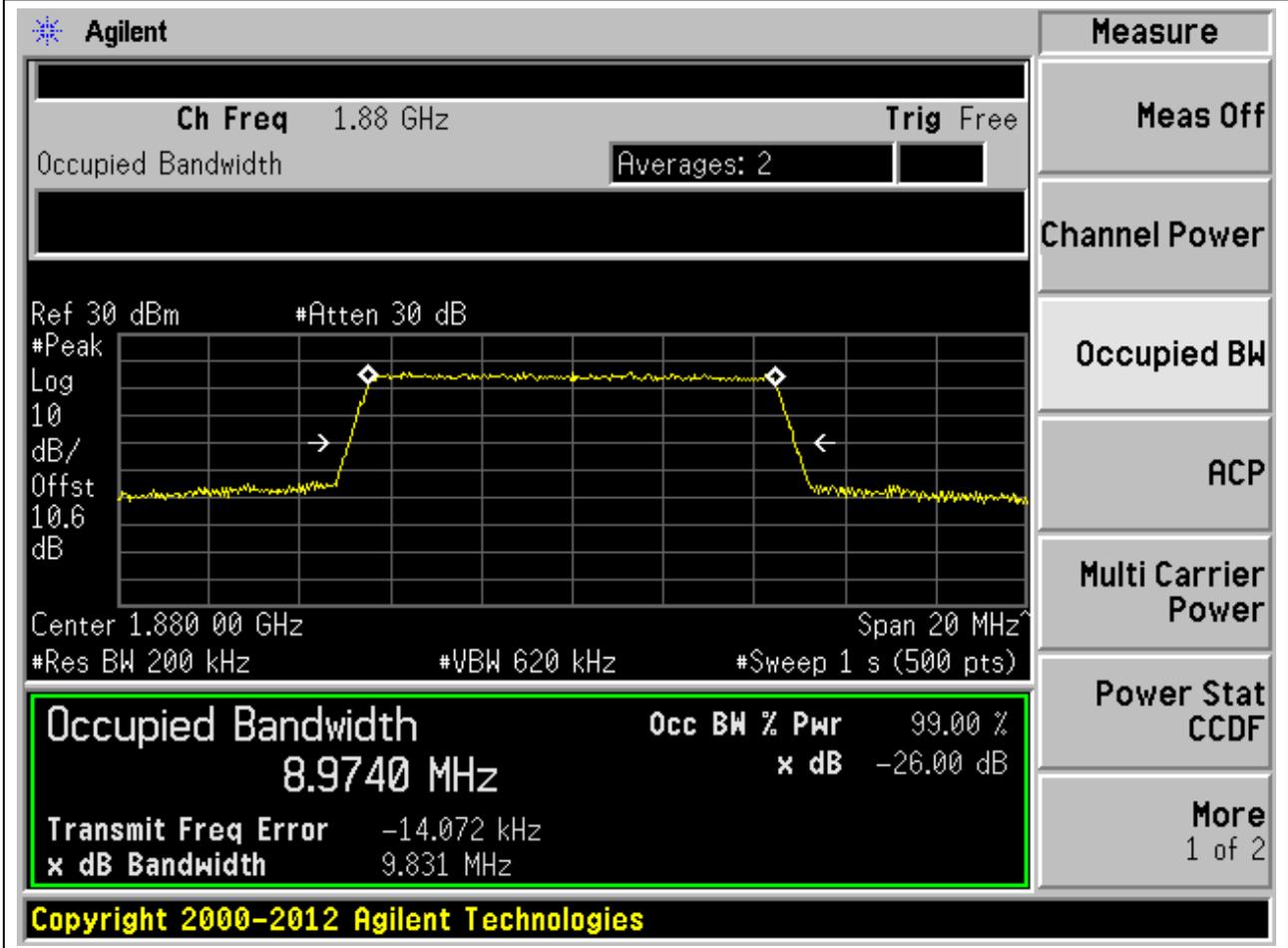
**1.42. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.2	Peak	8.95	9.81	10	Pass



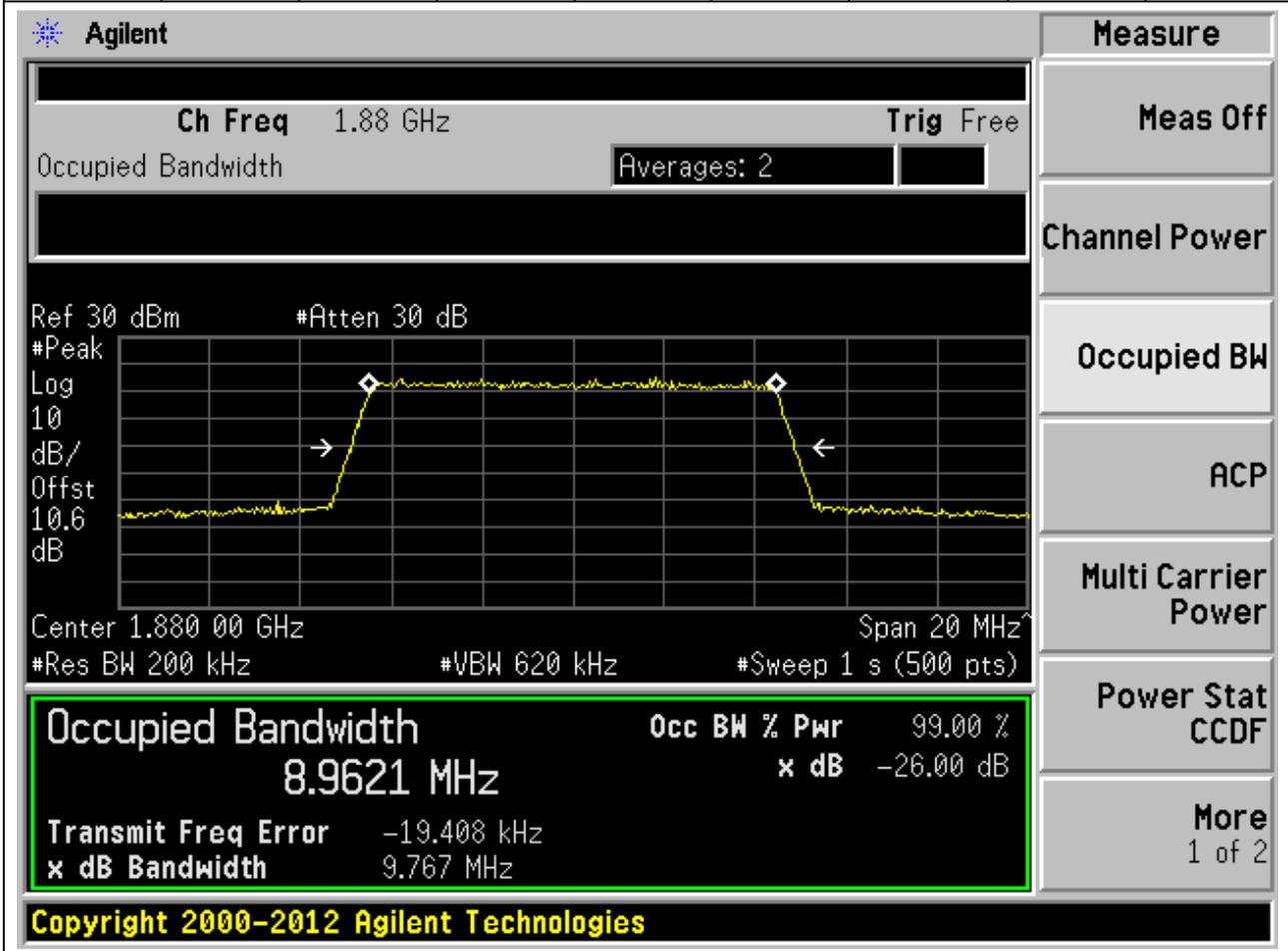
**1.43. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.2	Peak	8.97	9.83	10	Pass



**1.44. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.2	Peak	8.96	9.77	10	Pass



**1.45. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.97	9.85	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.905 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a reference level of 30 dBm and a resolution bandwidth of 200 kHz. The occupied bandwidth is measured as 8.9747 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -22.053 kHz, and the XdB bandwidth is 9.849 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'. A green box highlights the Occupied Bandwidth measurement results.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9747 MHz	99.00 %	-26.00 dB

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**1.46. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19150, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.92	9.76	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 1.905 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>8.9175 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-19.707 kHz
<b>x dB Bandwidth</b>		9.758 MHz

Other visible parameters include: Ch Freq 1.905 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.5 dB, Center 1.905 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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

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**1.47. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19150, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.96	9.8	10	Pass

Agilent
Measure

Ch Freq 1.905 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.905 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9585 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -25.318 kHz	
<b>x dB Bandwidth</b> 9.796 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

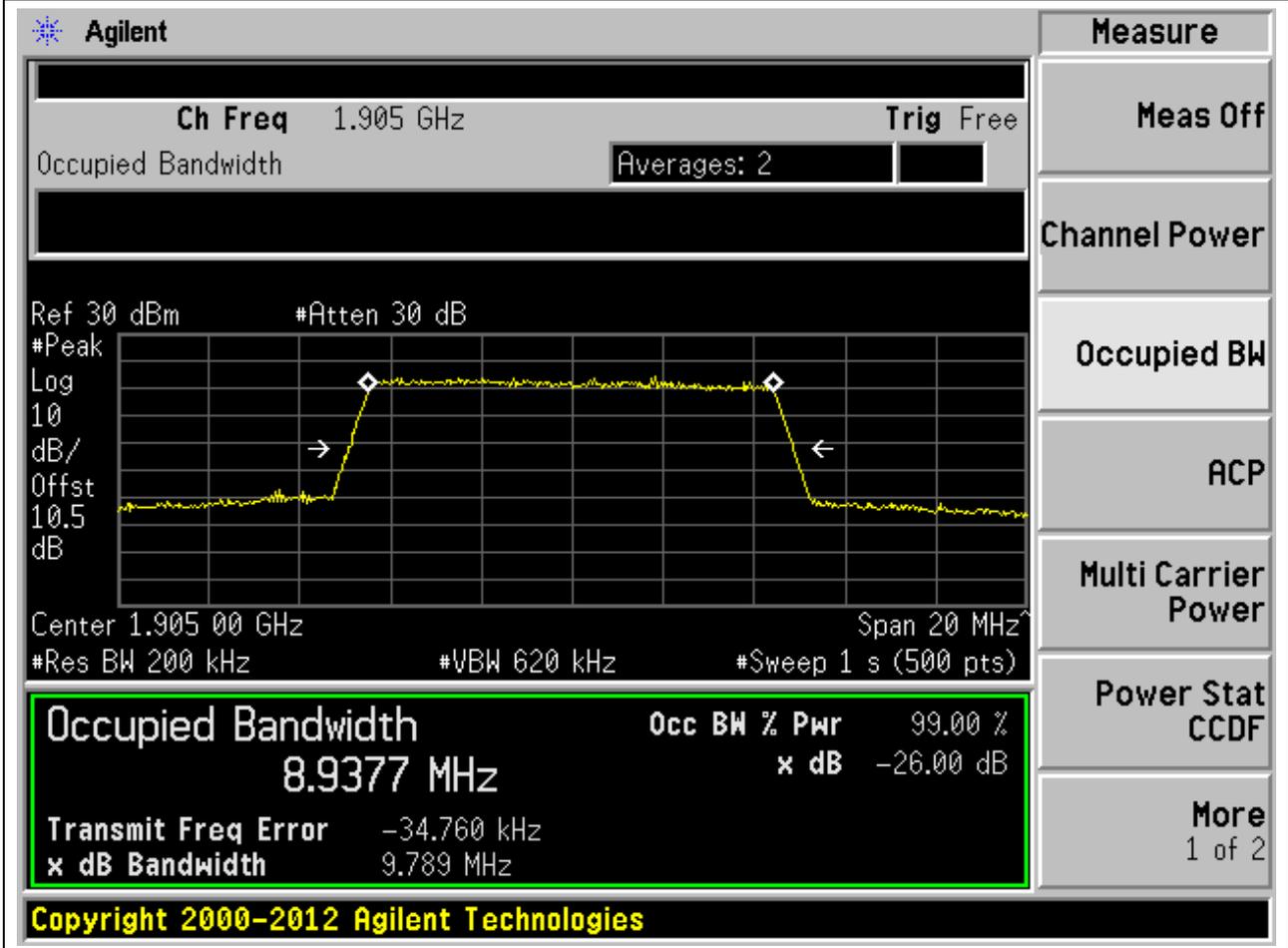
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.48. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19150, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.94	9.79	10	Pass



**1.49. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.47	14.65	15	Pass

Agilent

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

Ch Freq 1.8575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.857 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**13.4741 MHz** x dB -26.00 dB

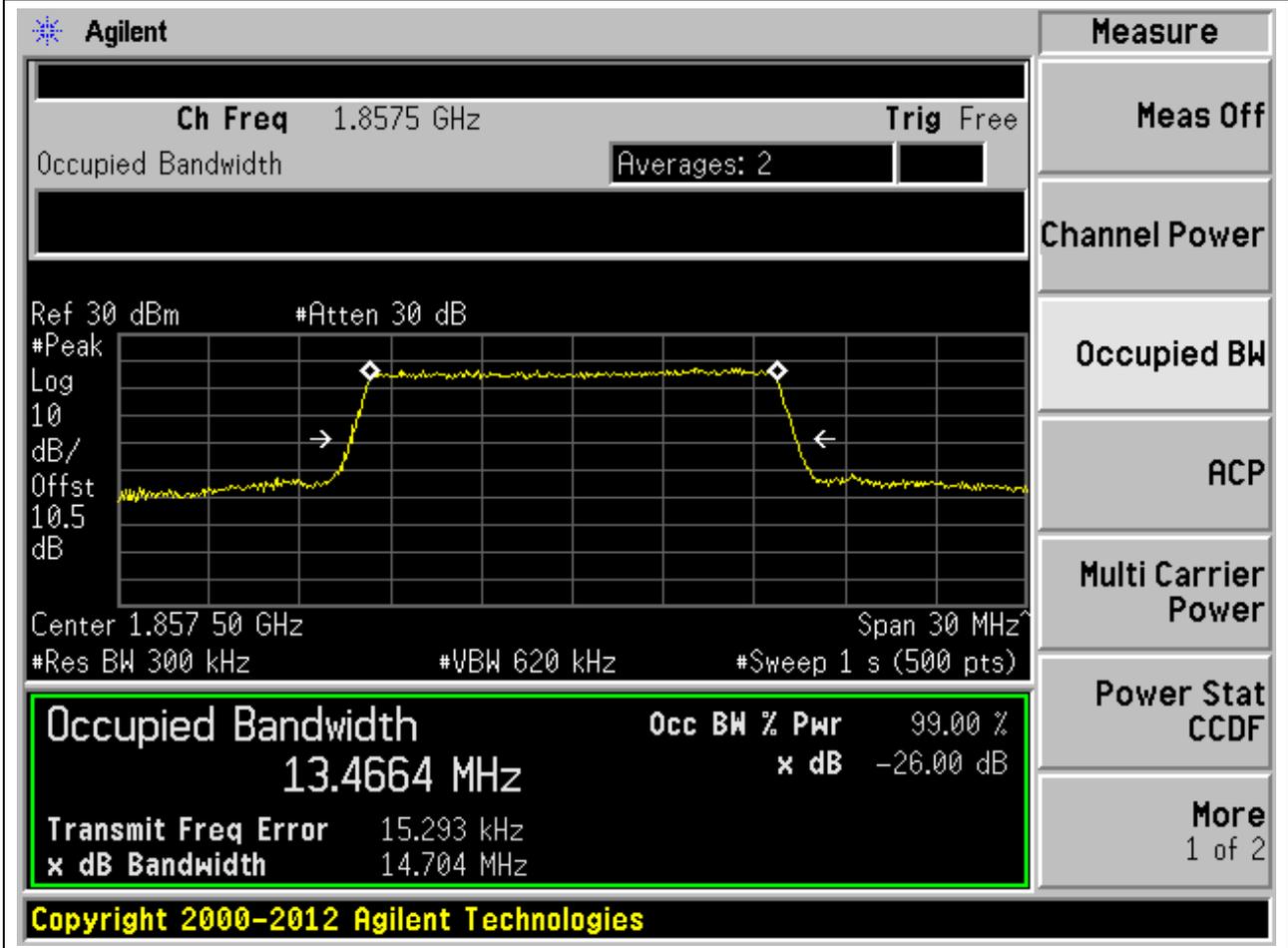
Transmit Freq Error 27.796 kHz

x dB Bandwidth 14.649 MHz

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**1.50. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18675, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.47	14.7	15	Pass



**1.51. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18675, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.44	14.73	15	Pass

Agilent
Measure

Ch Freq 1.8575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.857 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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

**13.4420 MHz** x dB -26.00 dB

Transmit Freq Error 25.015 kHz

x dB Bandwidth 14.733 MHz

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**1.52. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18675, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.45	14.62	15	Pass

Agilent

Measure

Ch Freq 1.8575 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.5 dB

Center 1.857 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4457 MHz	x dB -26.00 dB
Transmit Freq Error 12.179 kHz	
x dB Bandwidth 14.621 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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**1.53. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.43	14.64	15	Pass

**Agilent**

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.880 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4317 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-8.906 kHz
<b>x dB Bandwidth</b>		14.642 MHz

**Measure**

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

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**1.54. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.44	14.68	15	Pass

Agilent

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

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.880 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**13.4385 MHz** x dB -26.00 dB

Transmit Freq Error -22.104 kHz

x dB Bandwidth 14.685 MHz

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**1.55. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.45	14.7	15	Pass

**Agilent**

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.880 00 GHz Span 30 MHz

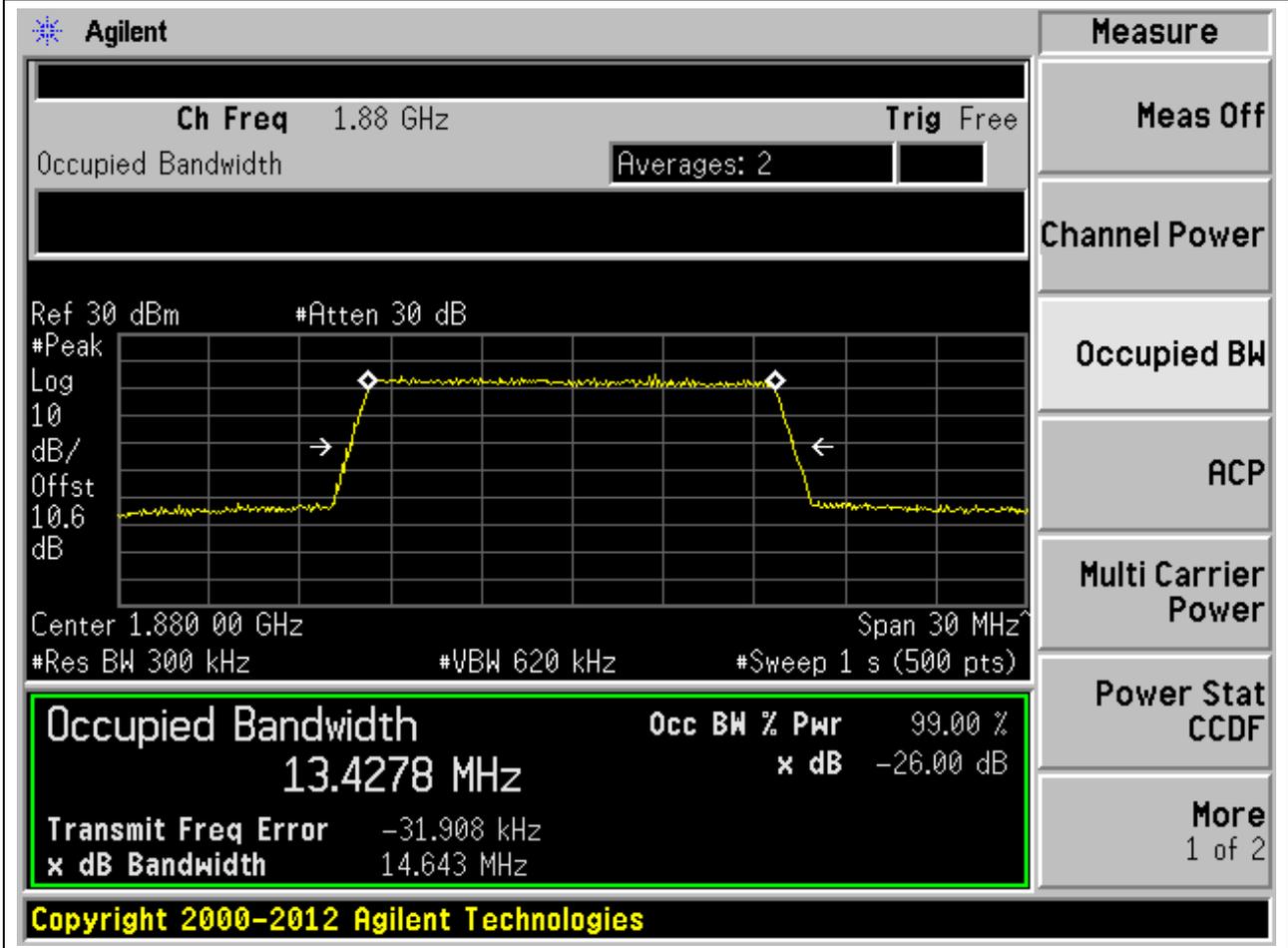
#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4459 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-22.611 kHz
<b>x dB Bandwidth</b>		14.705 MHz

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**1.56. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.43	14.64	15	Pass



**1.57. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.4	14.63	15	Pass

Agilent
Measure

Ch Freq 1.9025 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.902 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**13.3974 MHz**

Transmit Freq Error -14.706 kHz

x dB Bandwidth 14.630 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.58. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19125, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.41	14.65	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.9025 GHz. The occupied bandwidth is measured as 13.4060 MHz. The power is 99.00% and the XdB down is -26.00 dB. The XdB bandwidth is 14.650 MHz. The transmit frequency error is -25.849 kHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4060 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -25.849 kHz  
x dB Bandwidth: 14.650 MHz

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**1.59. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19125, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.38	14.62	15	Pass

Agilent

Measure

Ch Freq 1.9025 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/Offst
10.5 dB

Center 1.902 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.3838 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-23.025 kHz
<b>x dB Bandwidth</b>	14.625 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

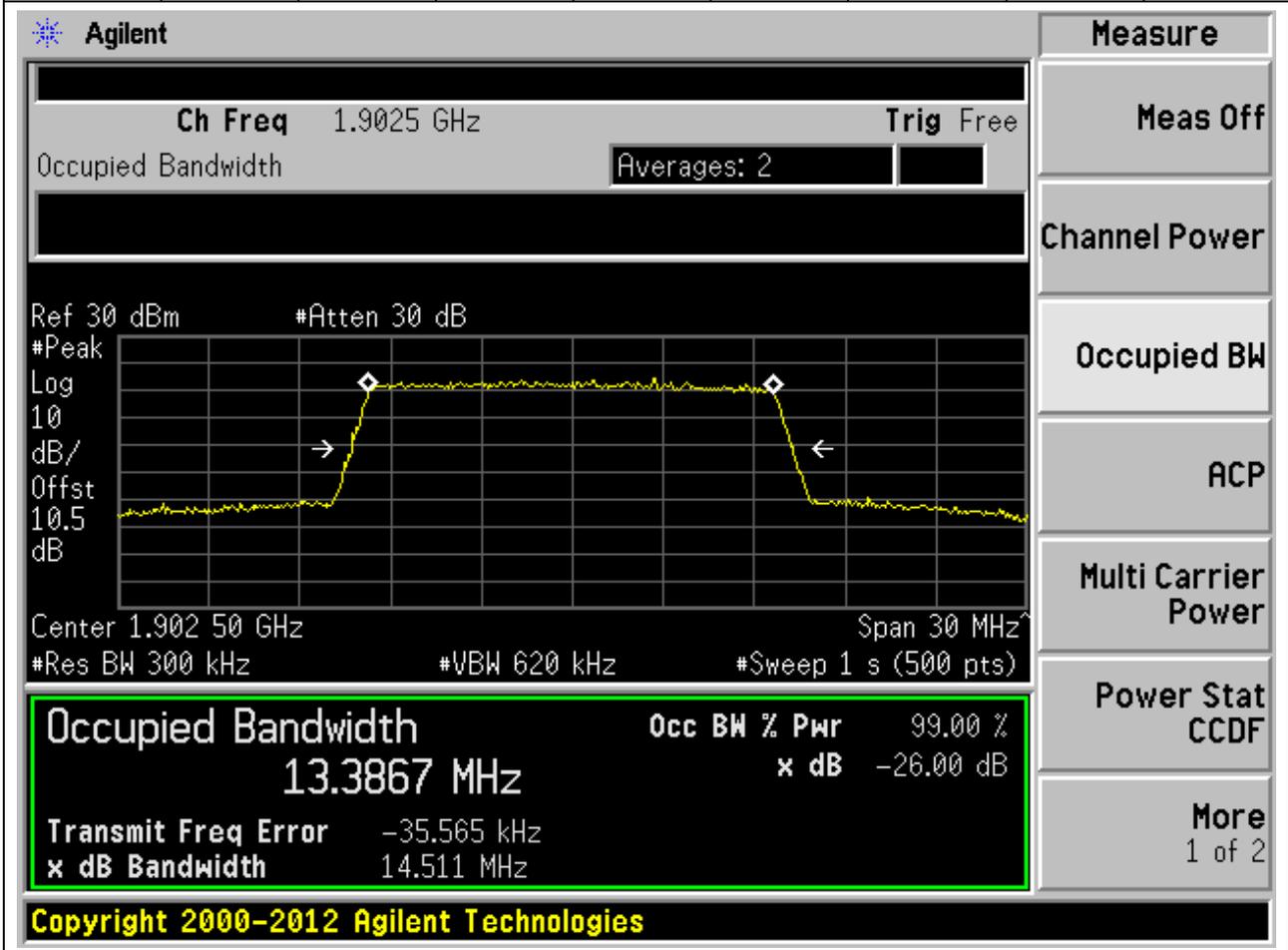
Power Stat CCDF

More  
1 of 2

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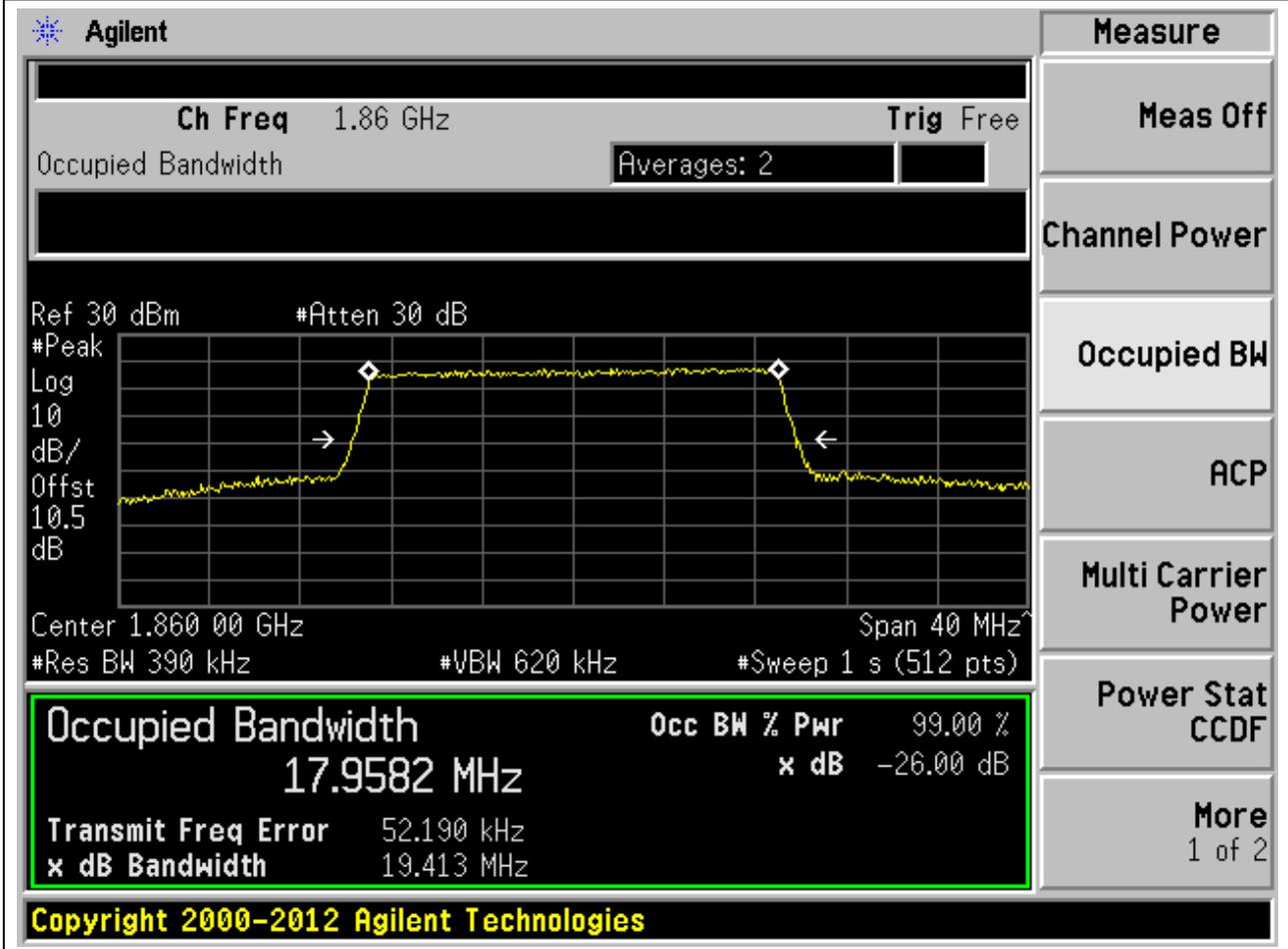
**1.60. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19125, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.39	14.51	15	Pass



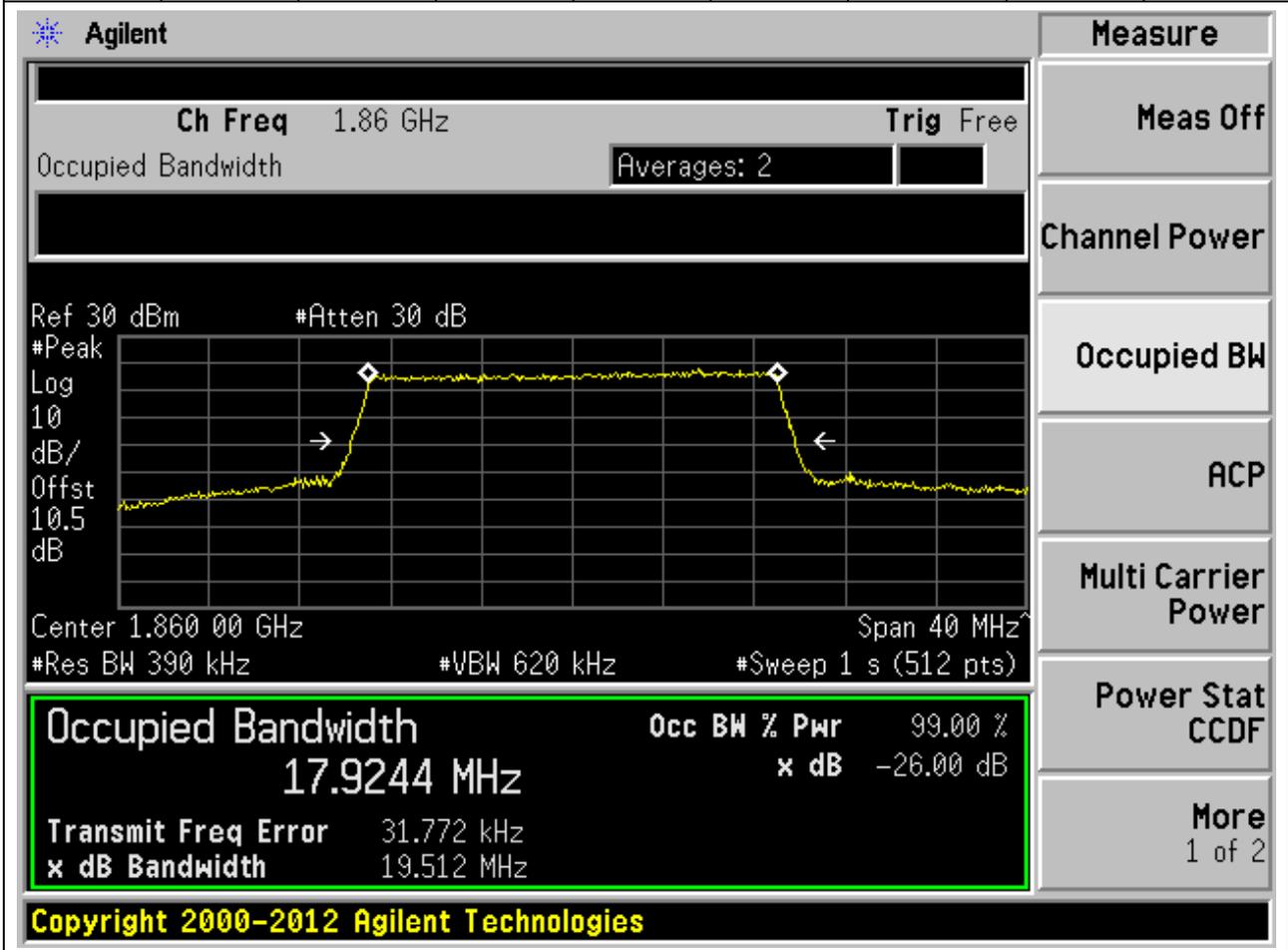
**1.61. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.96	19.41	20	Pass



1.62. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18700, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.92	19.51	20	Pass



**1.63. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18700, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)**

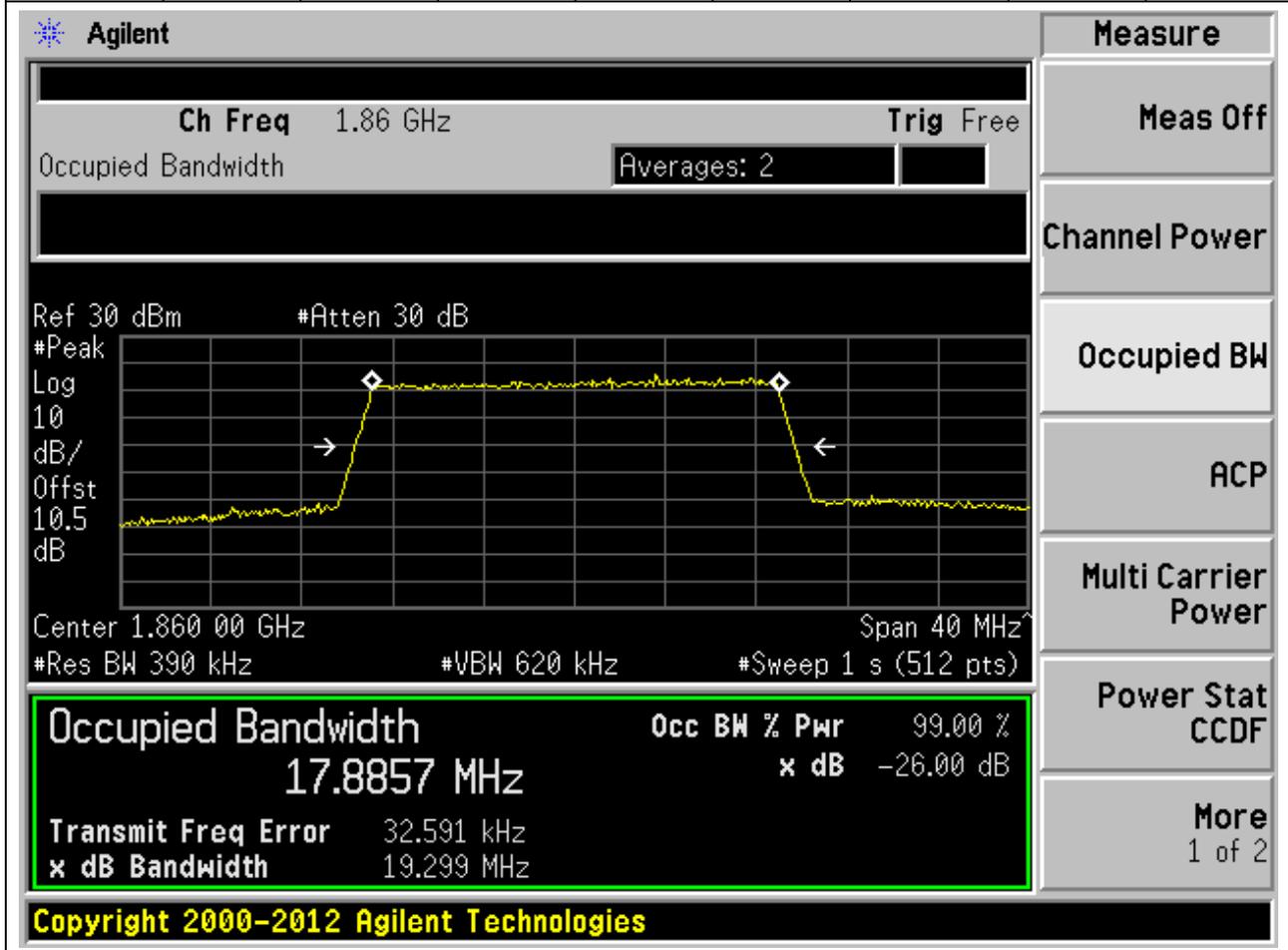
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.94	19.45	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.86 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in green, showing a value of 17.9365 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9365 MHz	99.00 %	-26.00 dB

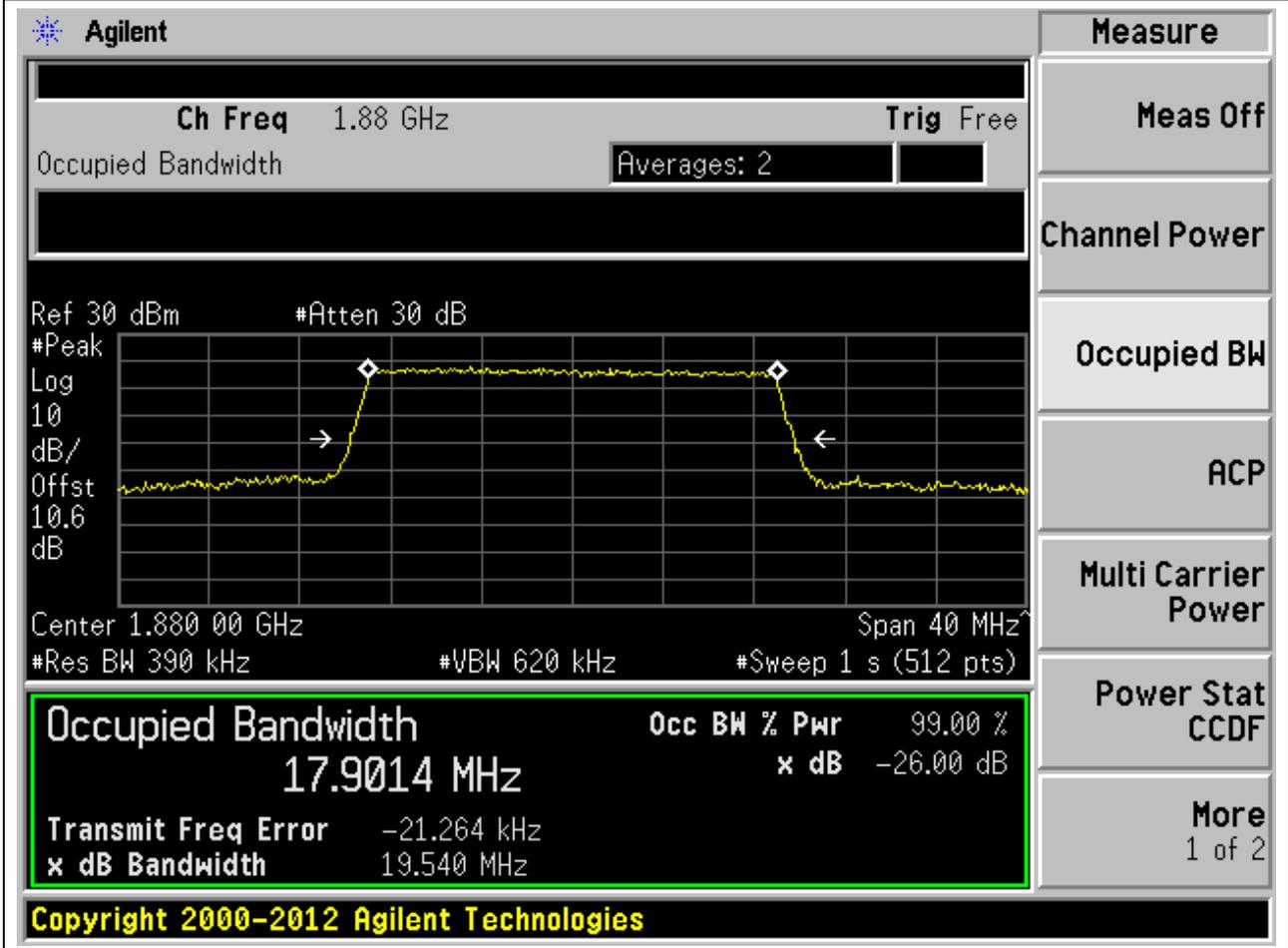
**1.64. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18700, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.89	19.3	20	Pass



1.65. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.9	19.54	20	Pass



1.66. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.91	19.57	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 1.88 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 17.9132 MHz. The power is 99.00% and the XdB down is -26.00 dB. The RBW is 390 kHz and the VBW is 620 kHz. The sweep time is 1 s (512 pts). The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9132 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -17.188 kHz  
x dB Bandwidth: 19.573 MHz

**1.67. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.92	19.4	20	Pass

Agilent
Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.6 dB

Center 1.880 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**17.9161 MHz**

Transmit Freq Error -12.956 kHz

x dB Bandwidth 19.398 MHz

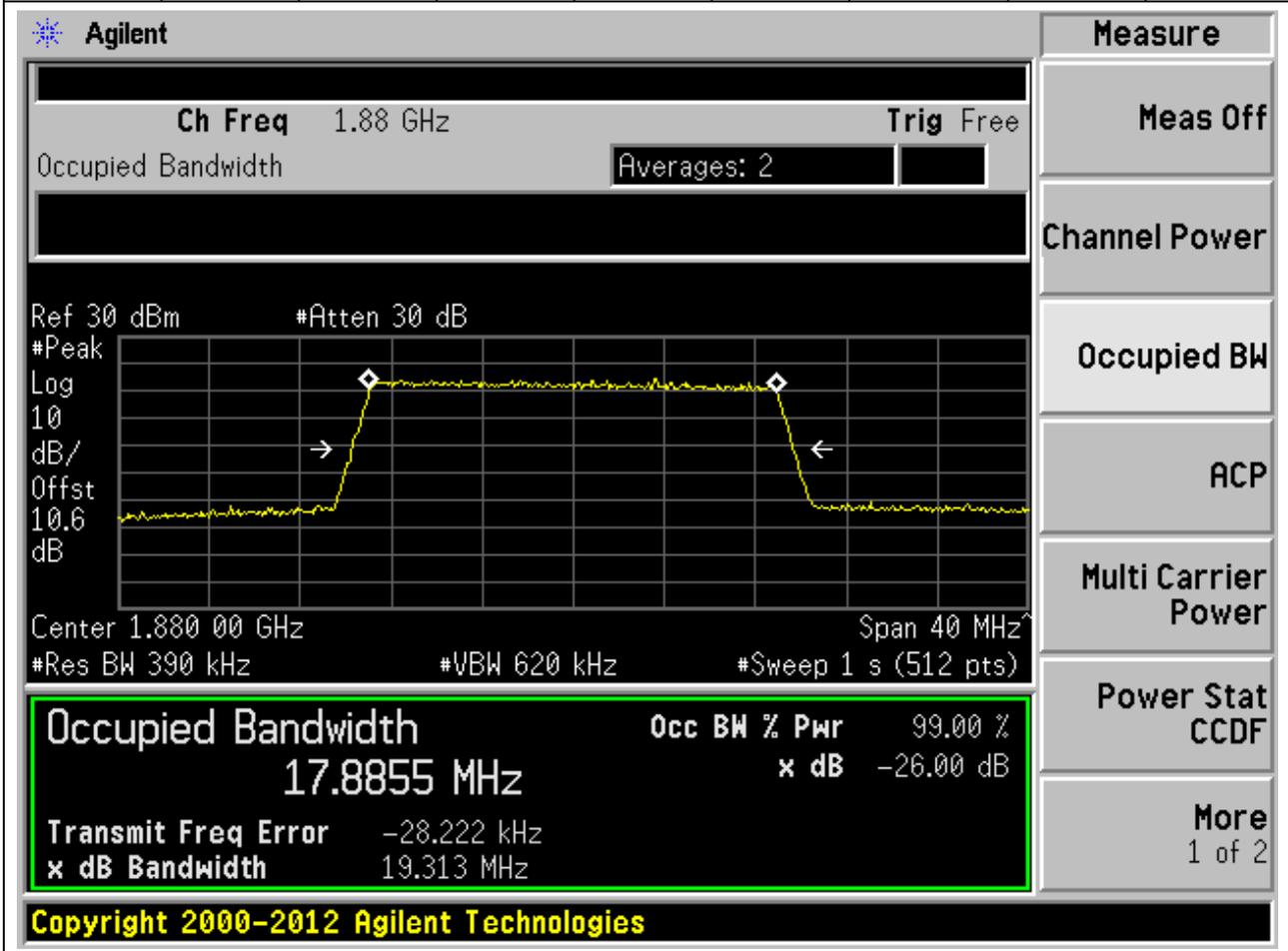
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.68. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:18900, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.89	19.31	20	Pass



**1.69. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.84	19.46	20	Pass

**Agilent**

Ch Freq 1.9 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.5 dB

Center 1.900 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.8369 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-14.127 kHz
<b>x dB Bandwidth</b>		19.465 MHz

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**1.70. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19100, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.86	19.43	20	Pass

**Agilent**

Ch Freq 1.9 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.900 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.8591 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-20.953 kHz
<b>x dB Bandwidth</b>		19.434 MHz

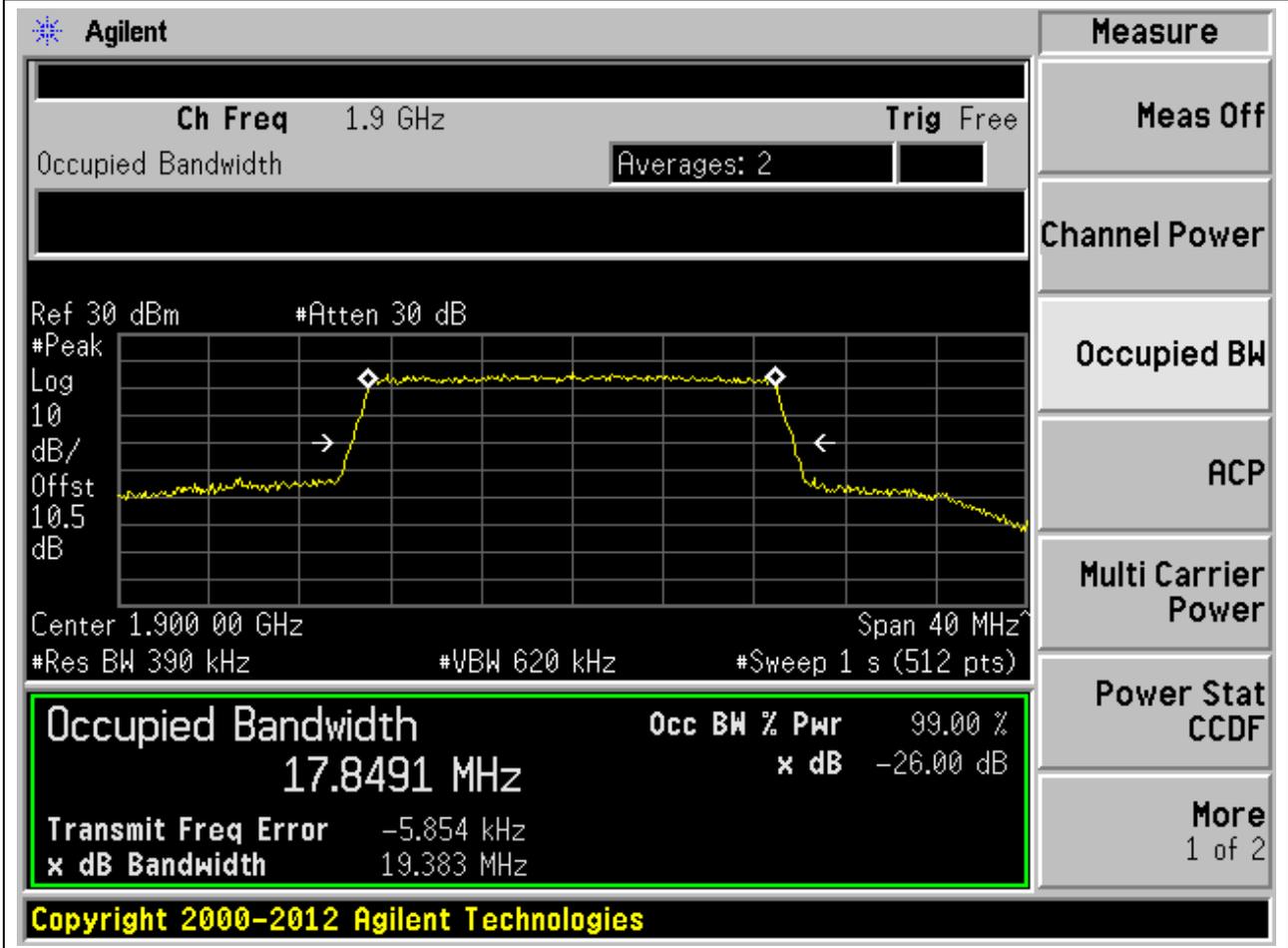
**Copyright 2000-2012 Agilent Technologies**

**Measure**

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

**1.71. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19100, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.85	19.38	20	Pass



1.72. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19100, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.82	19.26	20	Pass

**Agilent**

Ch Freq 1.9 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.5 dB

Center 1.900 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.8209 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-20.071 kHz
<b>x dB Bandwidth</b>		19.262 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

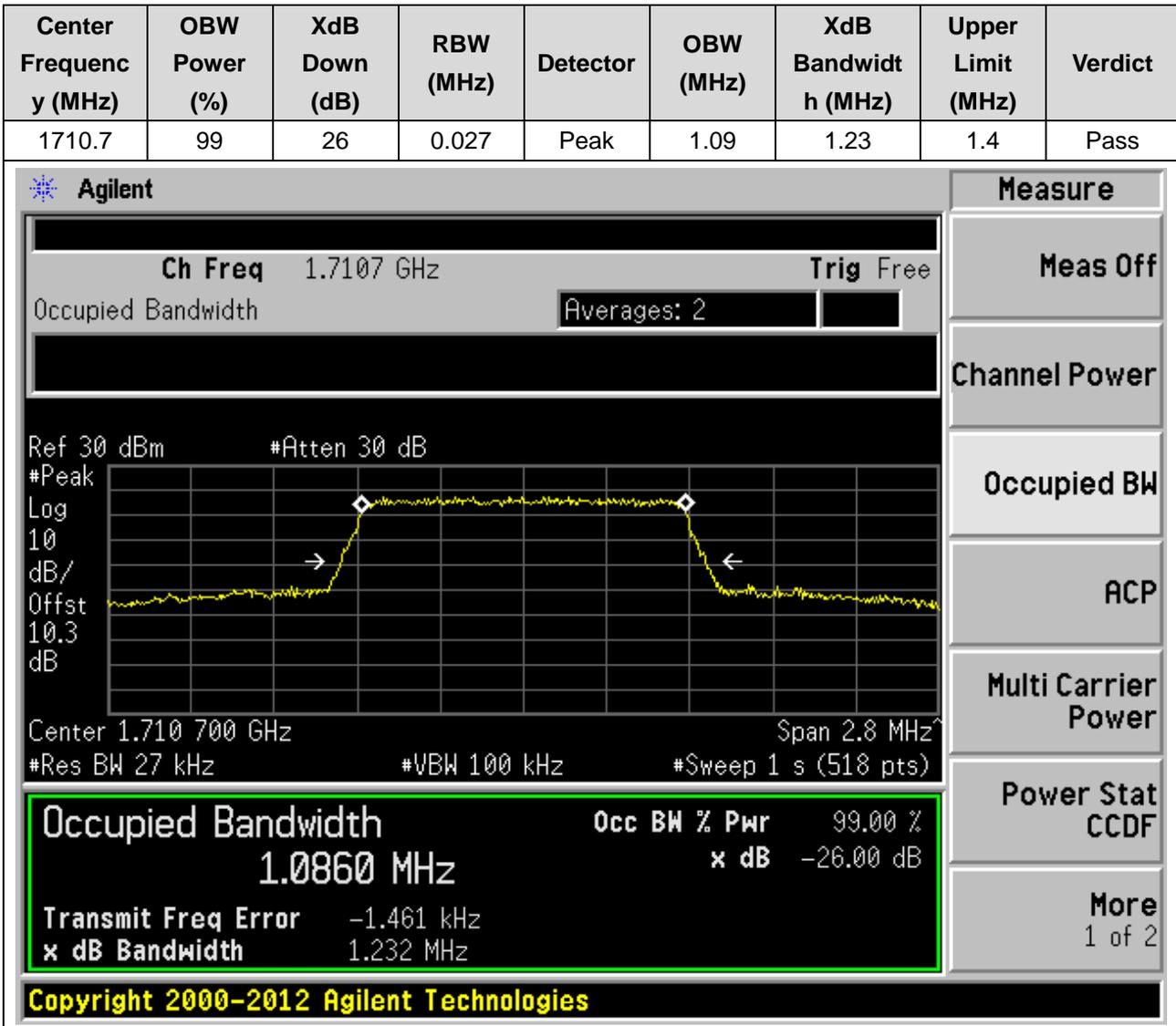
Multi Carrier Power

Power Stat CCDF

More 1 of 2

## 2. LTE\_Band4

### 2.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19957, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



**2.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19957, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.09	1.23	1.4	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:

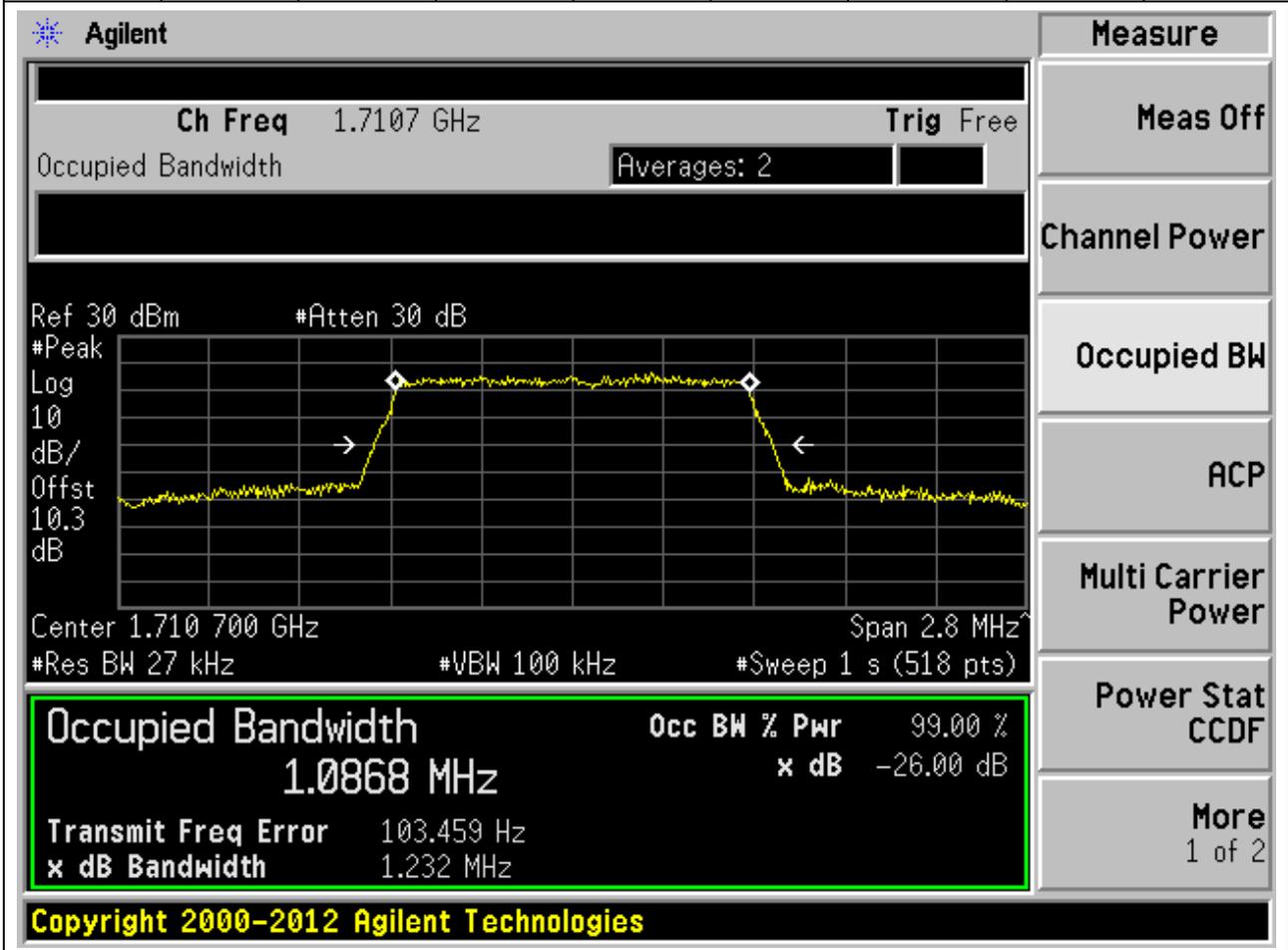
Measurement	Value
Occupied Bandwidth	1.0874 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	2.604 kHz
x dB Bandwidth	1.229 MHz

Additional parameters shown in the interface include: Ch Freq 1.7107 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.3 dB, Center 1.710 700 GHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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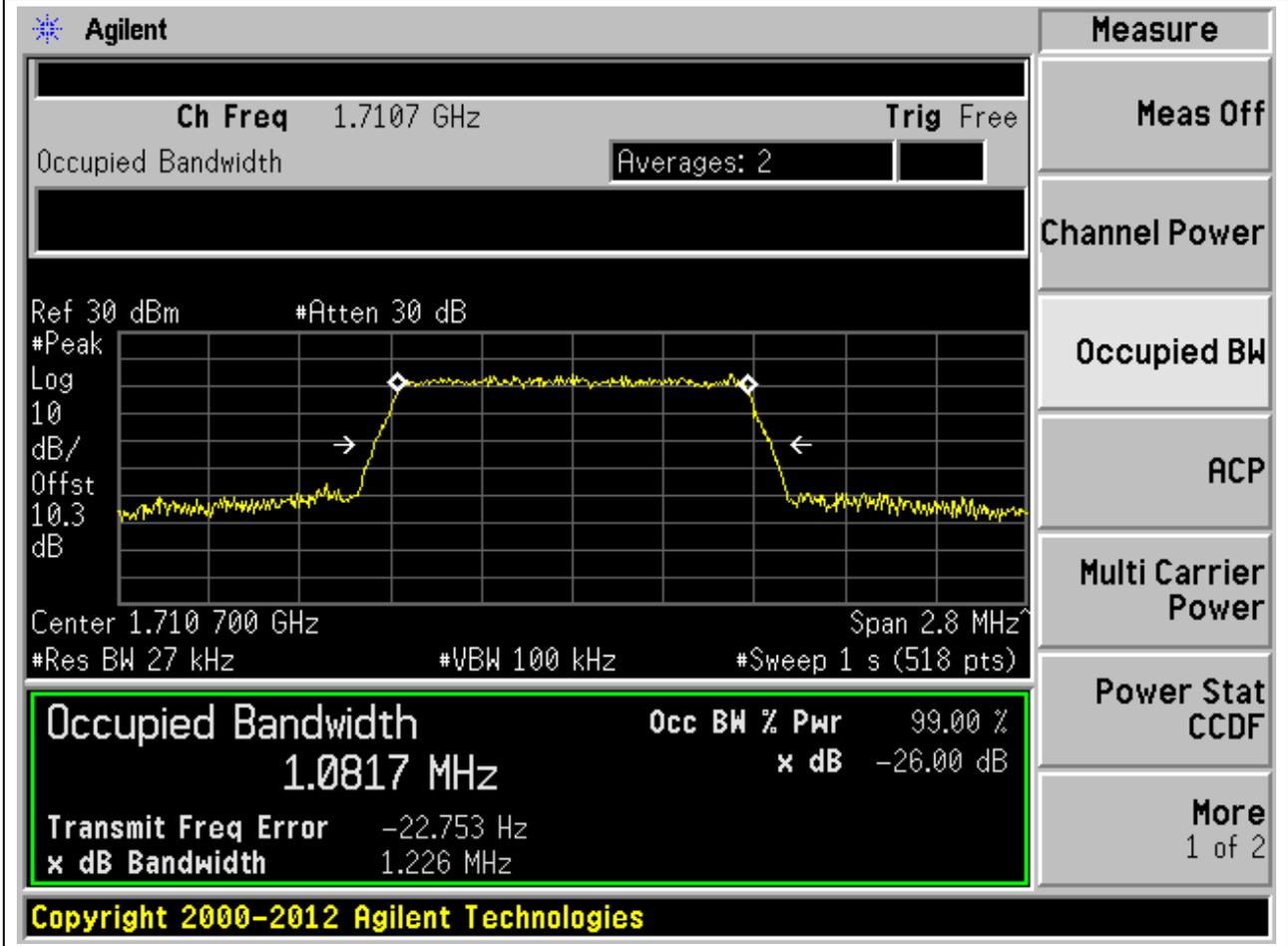
**2.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19957, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass



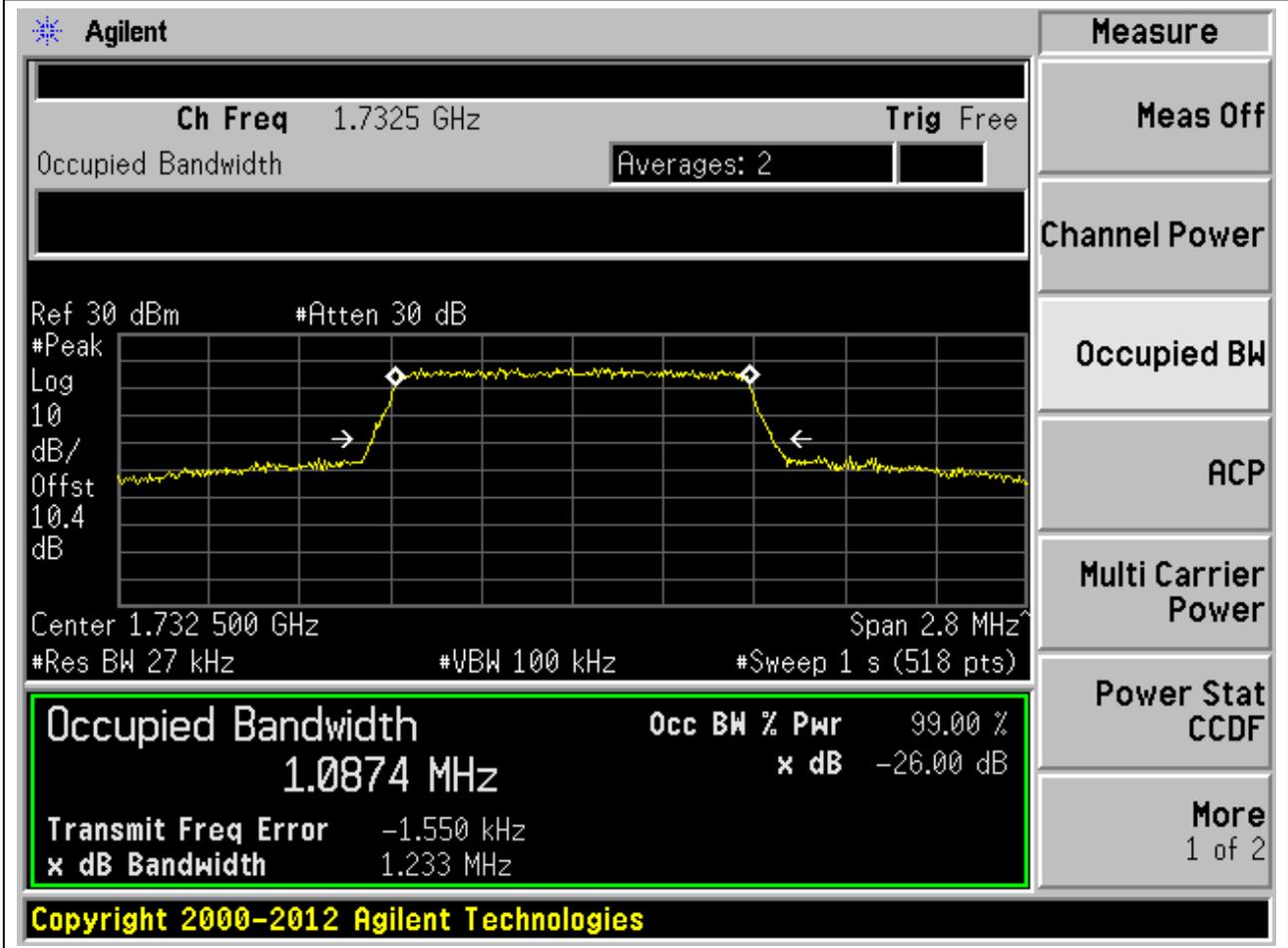
**2.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19957, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1710.7	99	26	0.027	Peak	1.08	1.23	1.4	Pass



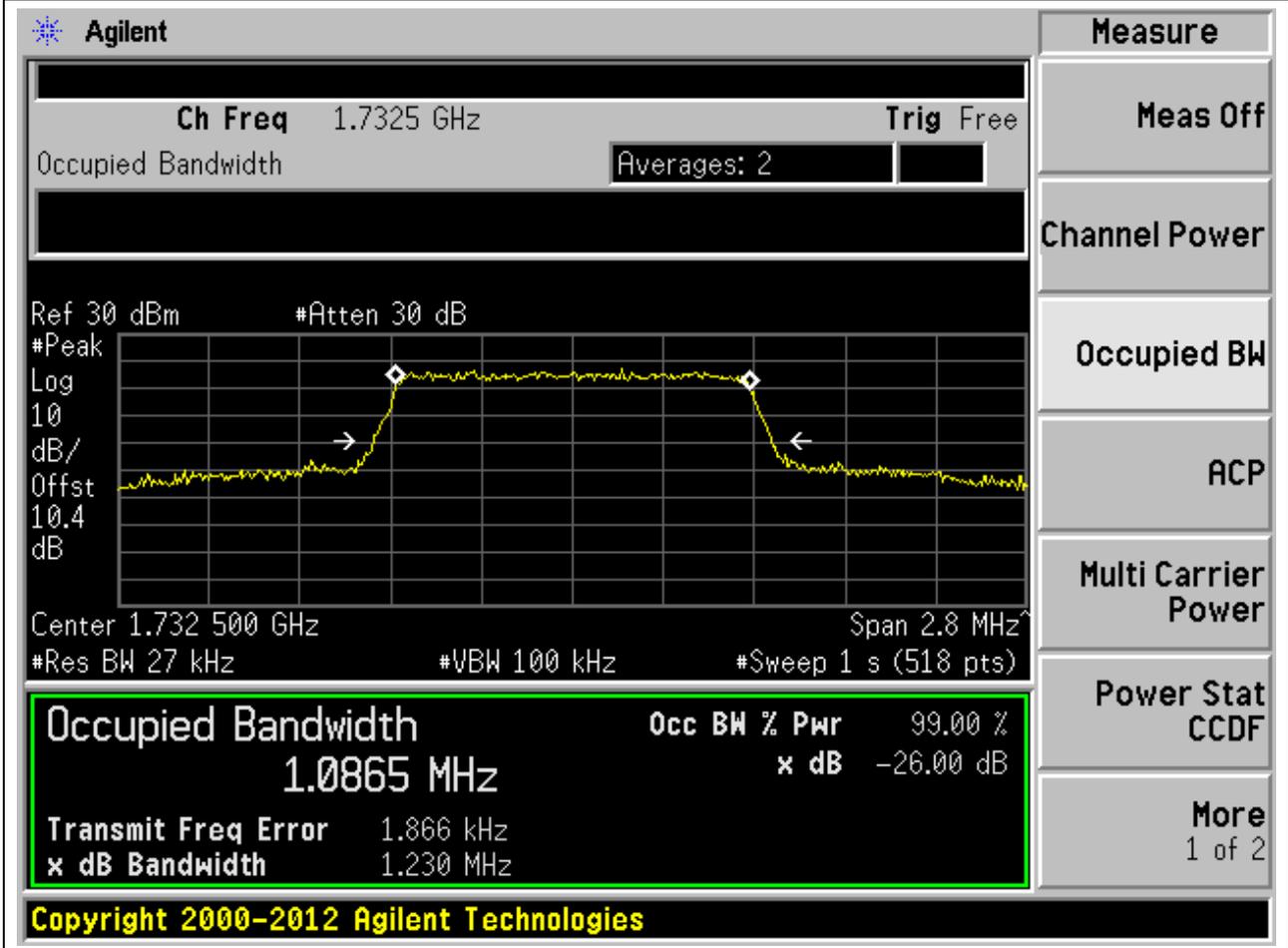
**2.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.027	Peak	1.09	1.23	1.4	Pass



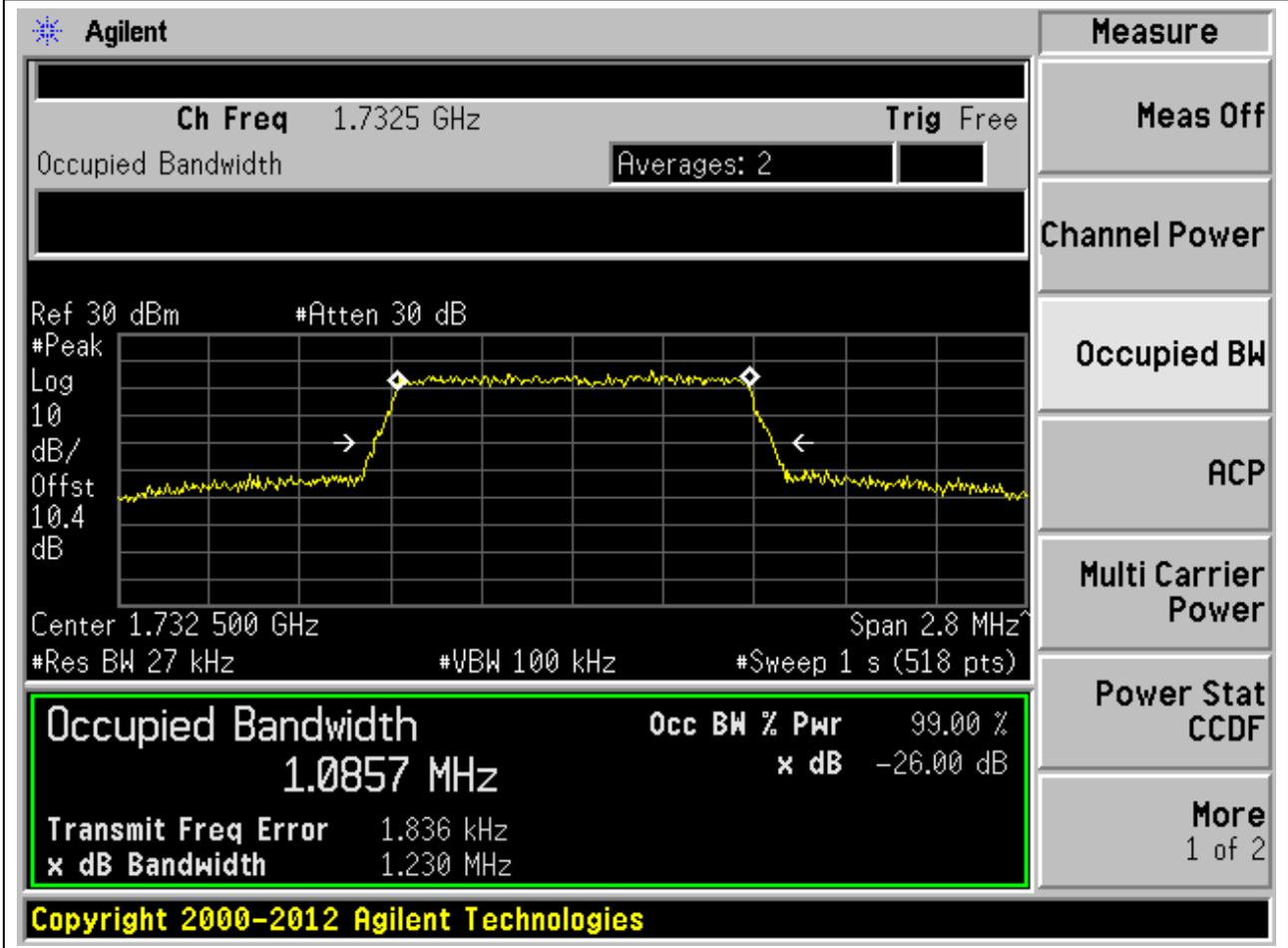
**2.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.027	Peak	1.09	1.23	1.4	Pass



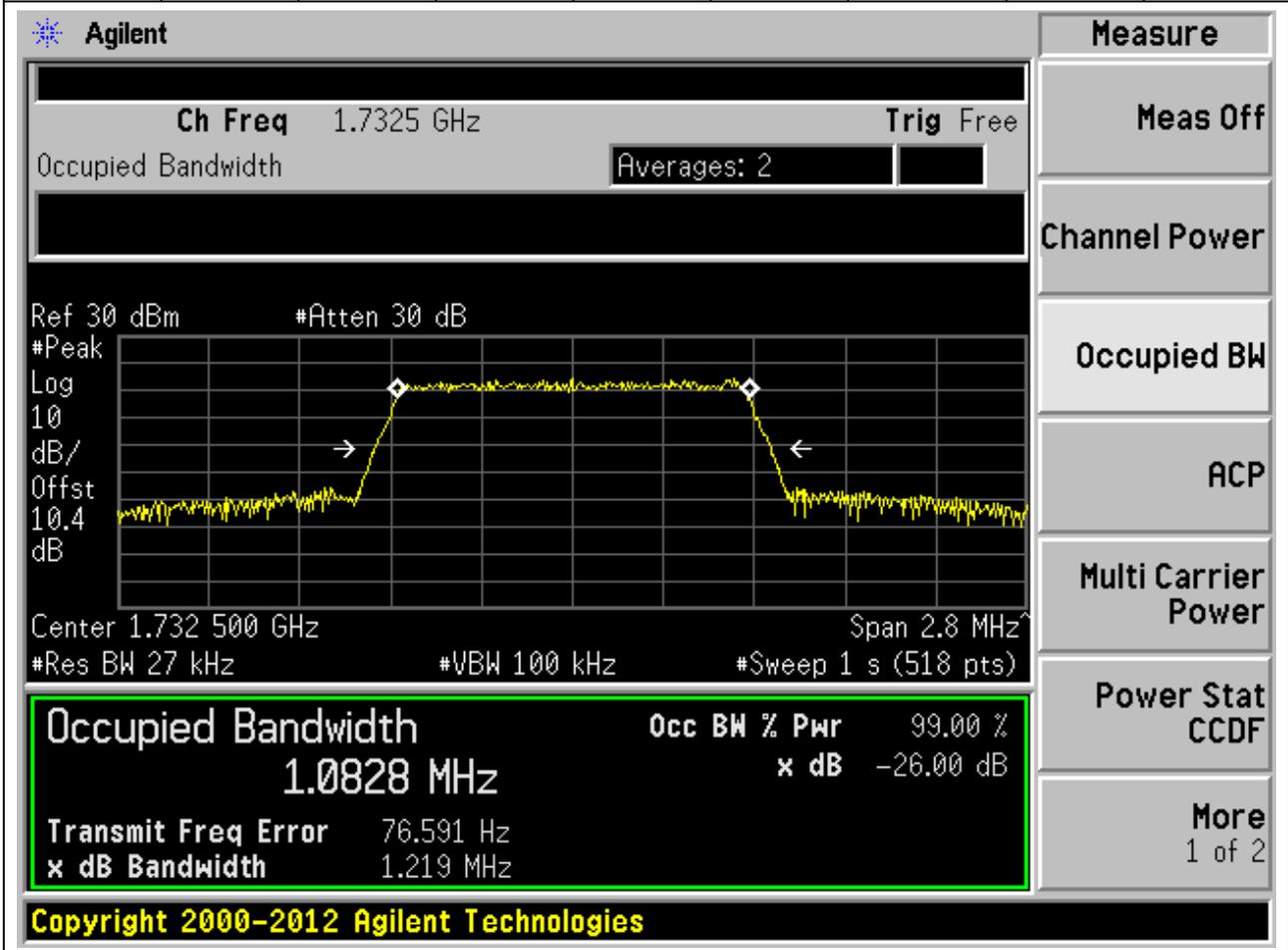
**2.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.027	Peak	1.09	1.23	1.4	Pass



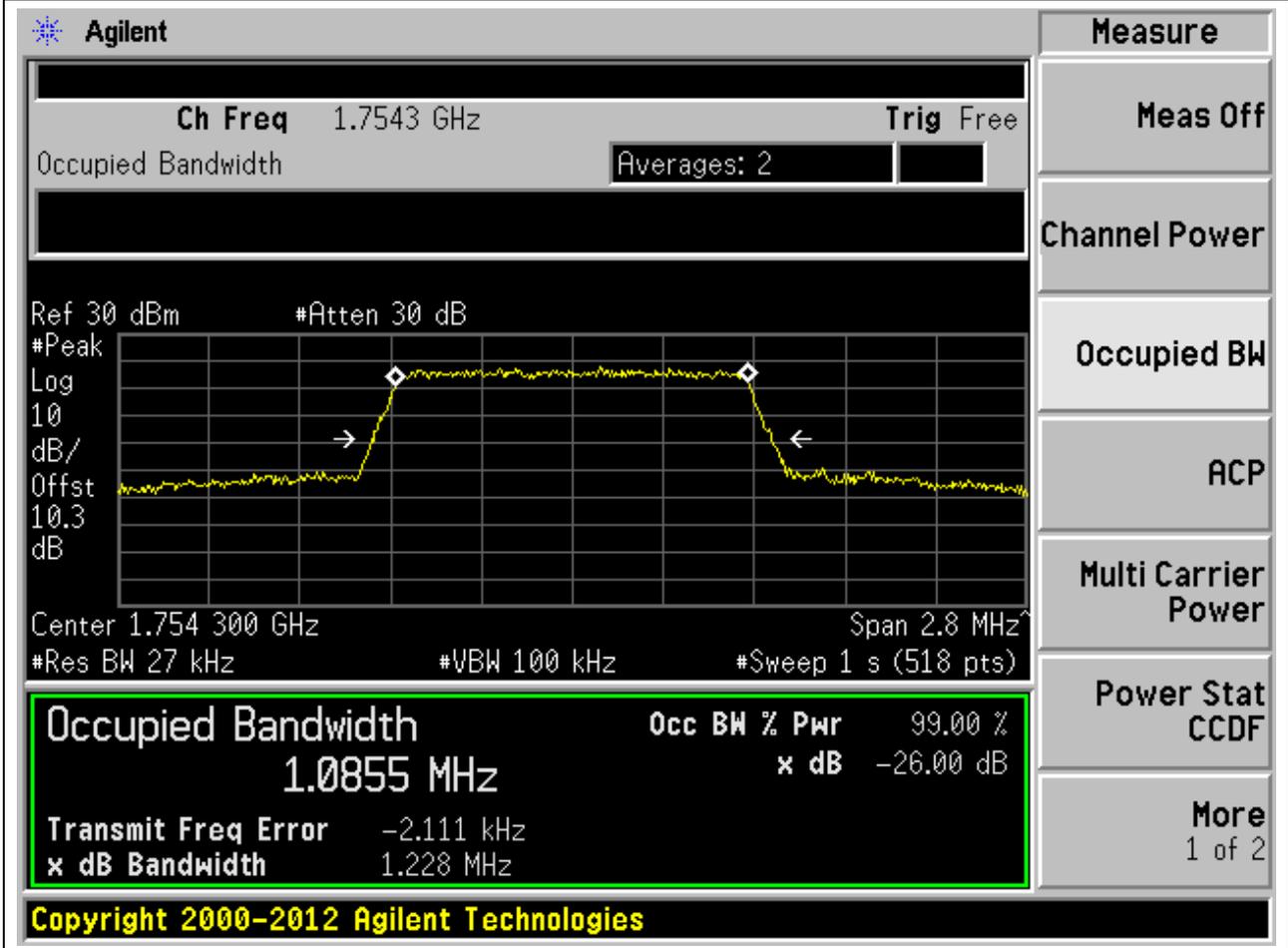
**2.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.027	Peak	1.08	1.22	1.4	Pass



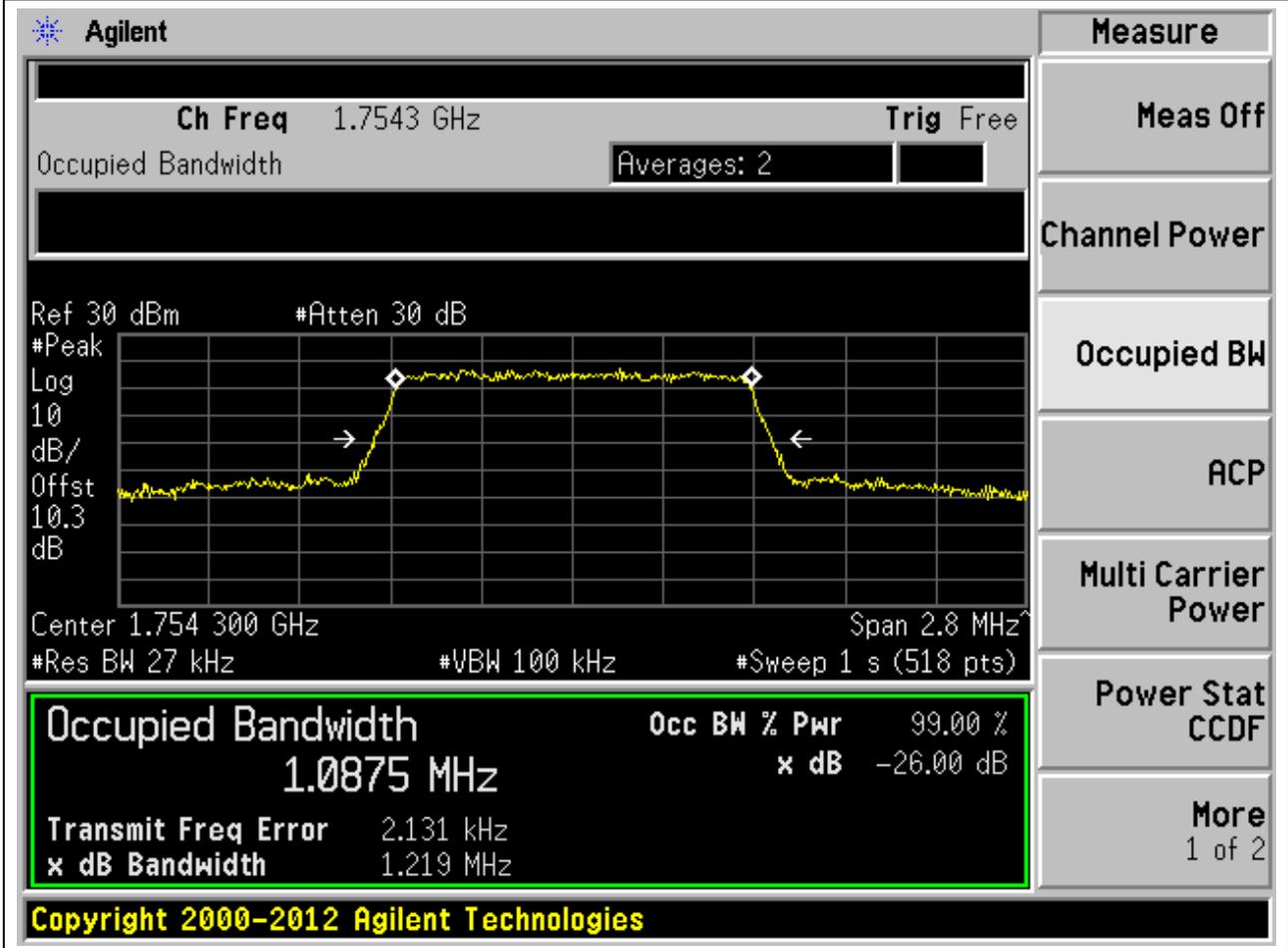
**2.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20393, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass



**2.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20393, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass



**2.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20393, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	0.027	Peak	1.08	1.22	1.4	Pass

Agilent

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

Ch Freq 1.7543 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.754 300 GHz Span 2.8 MHz

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

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

**1.0848 MHz** x dB -26.00 dB

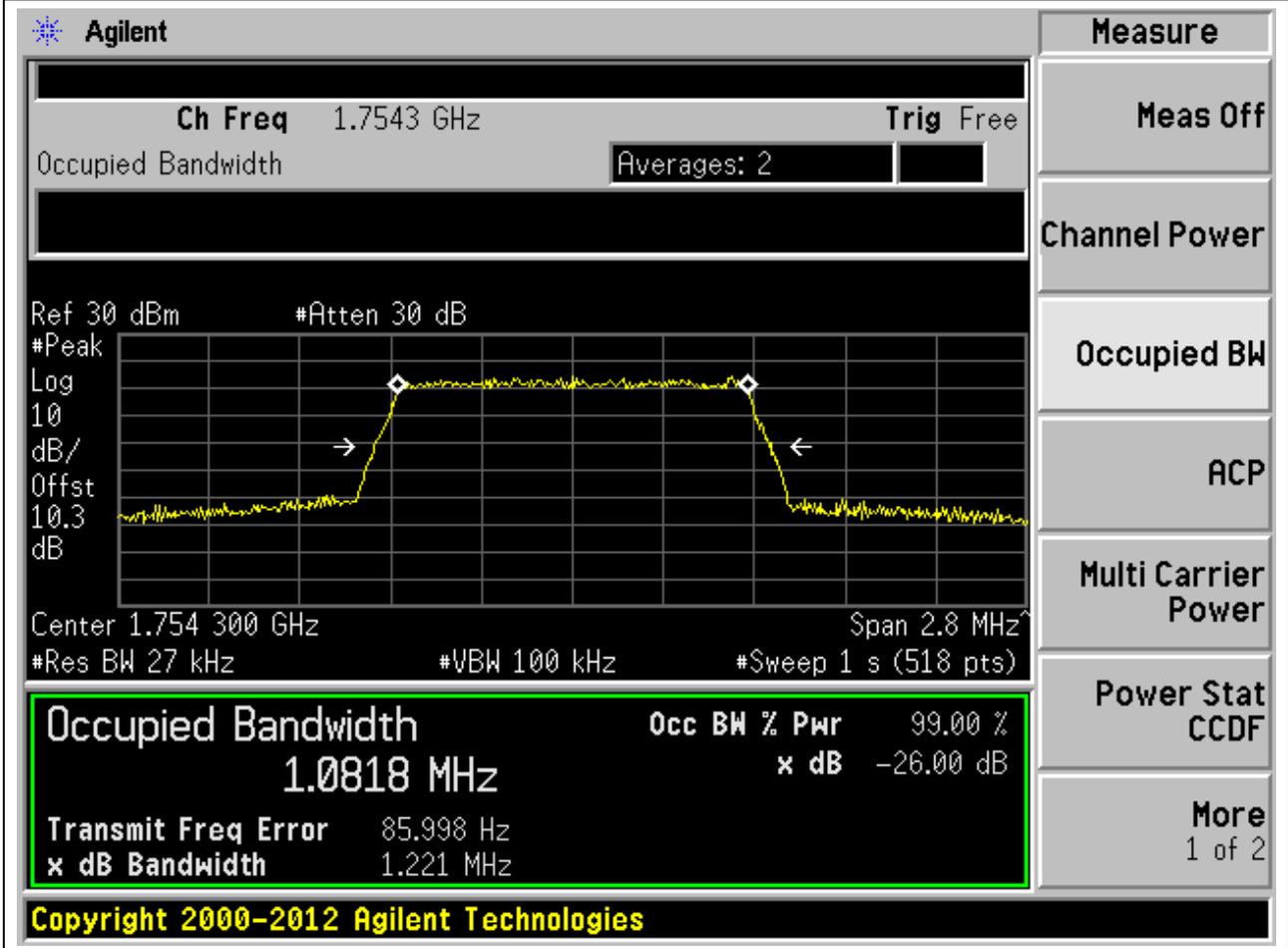
Transmit Freq Error 604.585 Hz

x dB Bandwidth 1.220 MHz

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**2.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20393, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	0.027	Peak	1.08	1.22	1.4	Pass



**2.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19965, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	2.99	3	Pass

Agilent

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

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.711 500 GHz Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6901 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -2.750 kHz	
<b>x dB Bandwidth</b> 2.994 MHz	

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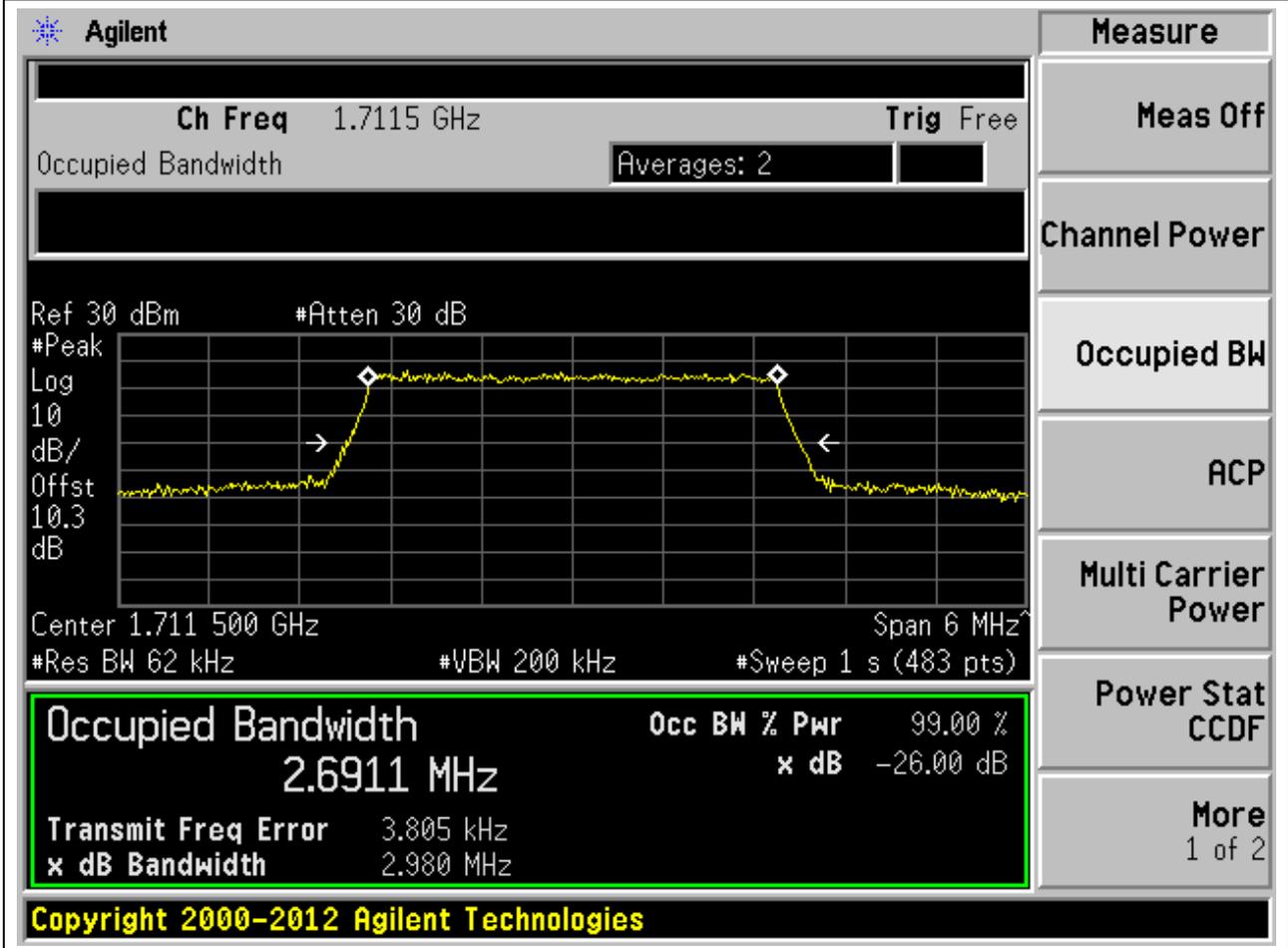
**2.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19965, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	3	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7115 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display shows a spectrum plot with a yellow trace. The plot parameters are: 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log', '10 dB/Offst', '10.3 dB', 'Center 1.711 500 GHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 2.6916 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -345.448 Hz', and 'x dB Bandwidth 3.003 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'.

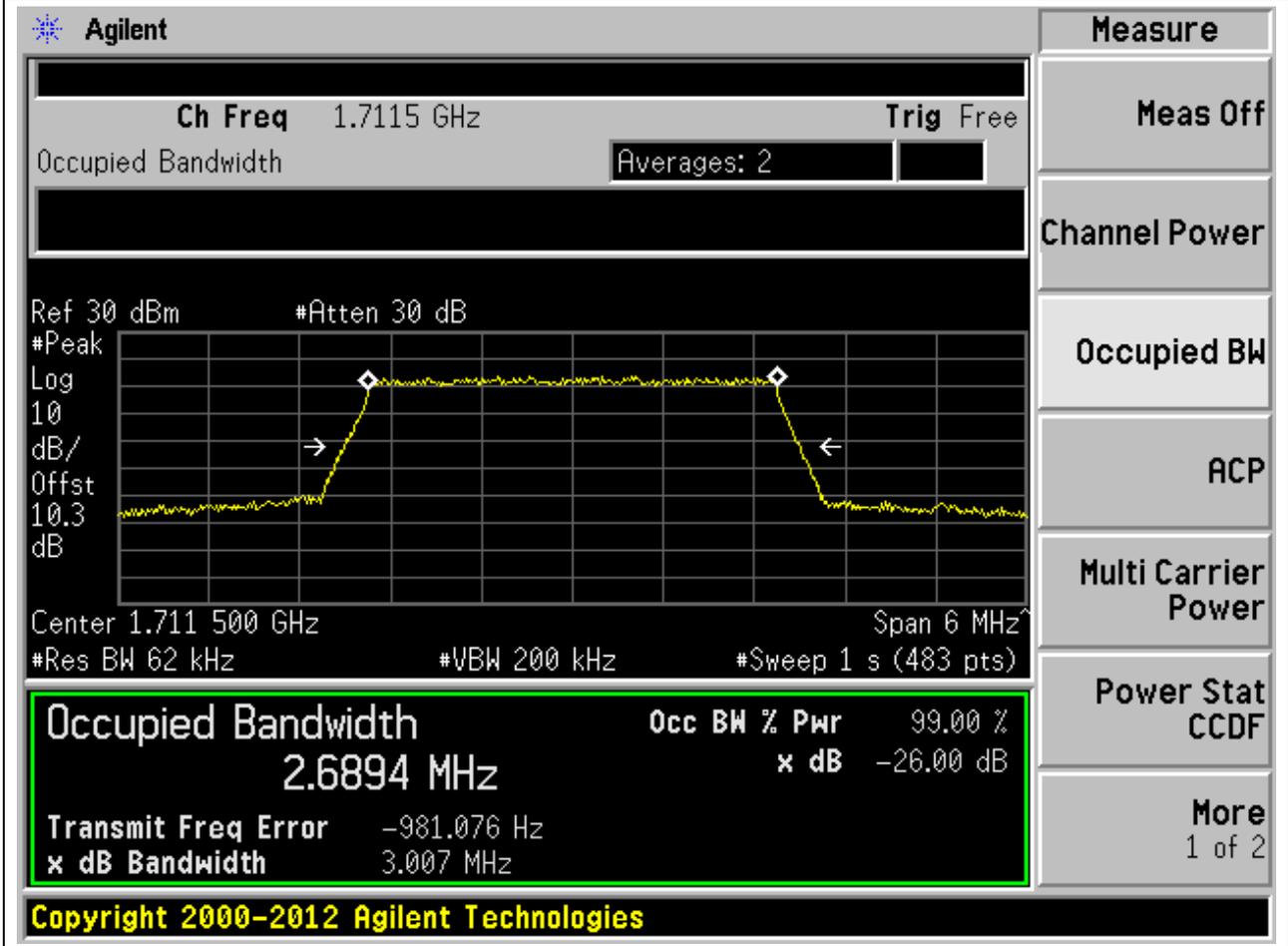
**2.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19965, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	2.98	3	Pass



**2.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19965, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1711.5	99	26	0.062	Peak	2.69	3.01	3	Pass



**2.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.69	3	3	Pass

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 dB

Center 1.732 500 GHz Span 6 MHz

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

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

**2.6908 MHz** x dB -26.00 dB

Transmit Freq Error -1.318 kHz

x dB Bandwidth 2.997 MHz

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**2.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.69	3.01	3	Pass

Agilent

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

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.4 dB

Center 1.732 500 GHz Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6898 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 1.261 kHz	
<b>x dB Bandwidth</b> 3.013 MHz	

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**2.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.69	2.99	3	Pass

**Agilent**

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 dB

Center 1.732 500 GHz Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6912 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.727 kHz	
<b>x dB Bandwidth</b>	2.989 MHz	

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**2.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.69	3.01	3	Pass

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 dB

Center 1.732 500 GHz Span 6 MHz

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

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

**2.6904 MHz** x dB -26.00 dB

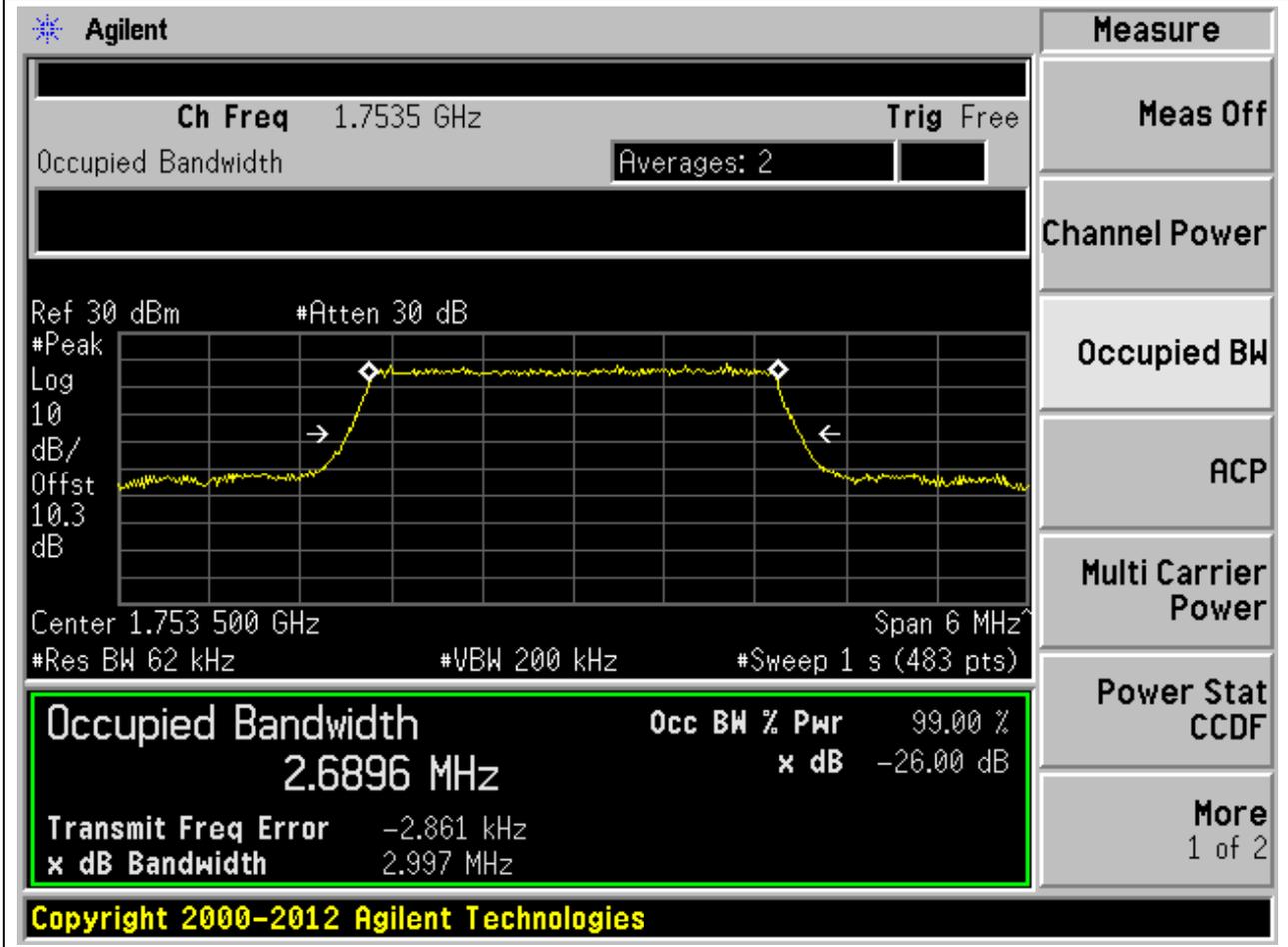
Transmit Freq Error 1.046 kHz

x dB Bandwidth 3.008 MHz

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**2.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20385, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.69	3	3	Pass



**2.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20385, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.69	3	3	Pass

Agilent

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

Ch Freq 1.7535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.753 500 GHz Span 6 MHz

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

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

**2.6893 MHz** x dB -26.00 dB

Transmit Freq Error 755.486 Hz

x dB Bandwidth 3.003 MHz

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**2.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20385, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.69	2.99	3	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	2.6909 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	848.570 Hz
x dB Bandwidth	2.985 MHz

Additional parameters shown in the interface include: Ch Freq 1.7535 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.3 dB, Center 1.753 500 GHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts).

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**2.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20385, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1753.5	99	26	0.062	Peak	2.69	3.01	3	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:

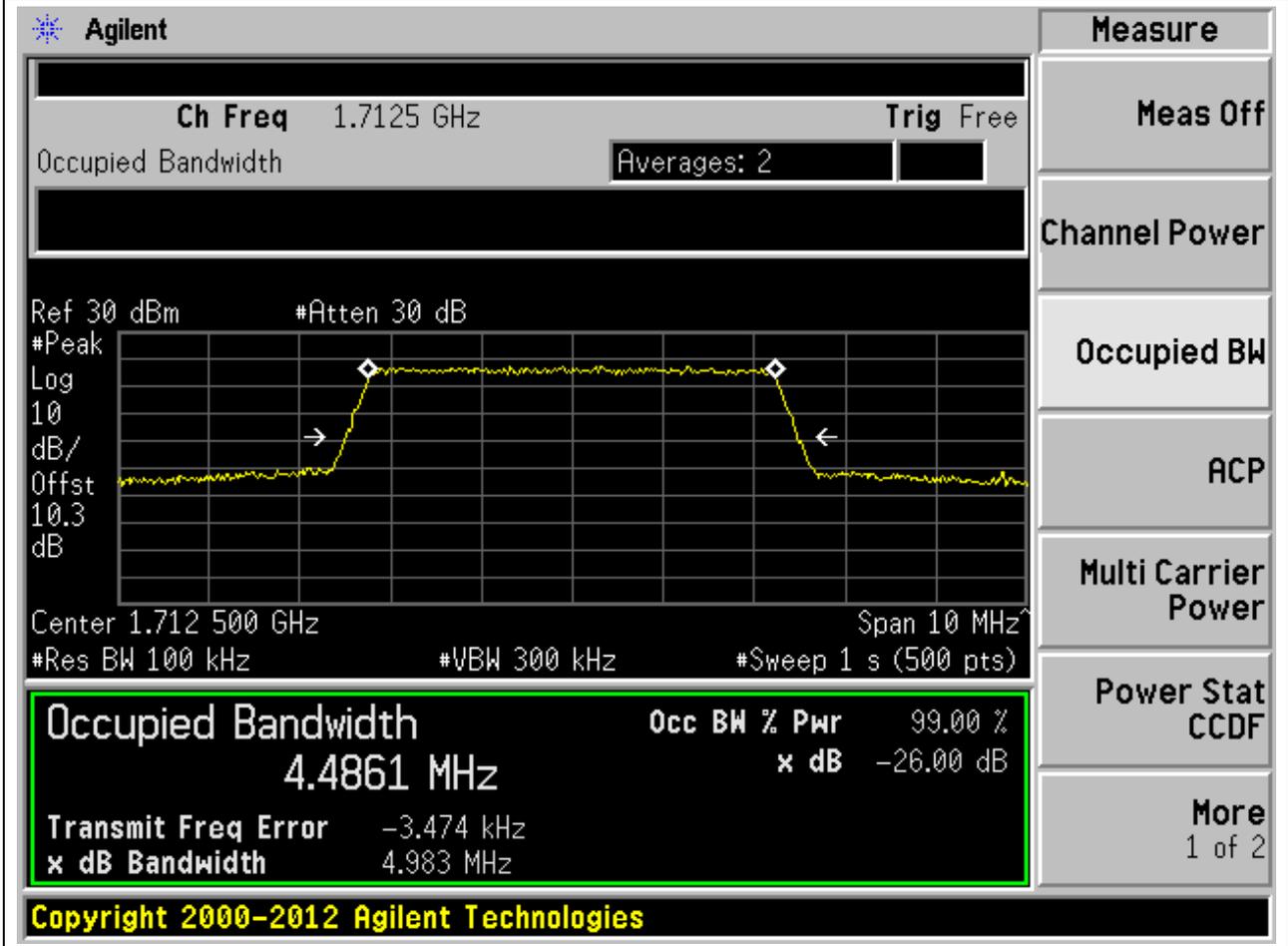
Measurement	Value
Occupied Bandwidth	2.6908 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-1.379 kHz
x dB Bandwidth	3.007 MHz

Other visible parameters include: Ch Freq 1.7535 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.3 dB, Center 1.753 500 GHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts).

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**2.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19975, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	4.98	5	Pass



**2.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19975, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	4.94	5	Pass

Agilent

Measure

Ch Freq 1.7125 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.3

dB

Center 1.712 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4872 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -2.975 kHz	
<b>x dB Bandwidth</b> 4.943 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**2.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19975, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	4.97	5	Pass

Agilent

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

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.712 500 GHz Span 10 MHz

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

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

**4.4873 MHz** x dB -26.00 dB

Transmit Freq Error -3.238 kHz

x dB Bandwidth 4.972 MHz

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**2.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:19975, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.48	4.9	5	Pass

**Agilent**

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.3 dB

Center 1.712 500 GHz Span 10 MHz

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

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

4.4764 MHz x dB -26.00 dB

Transmit Freq Error -2.693 kHz

x dB Bandwidth 4.905 MHz

**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

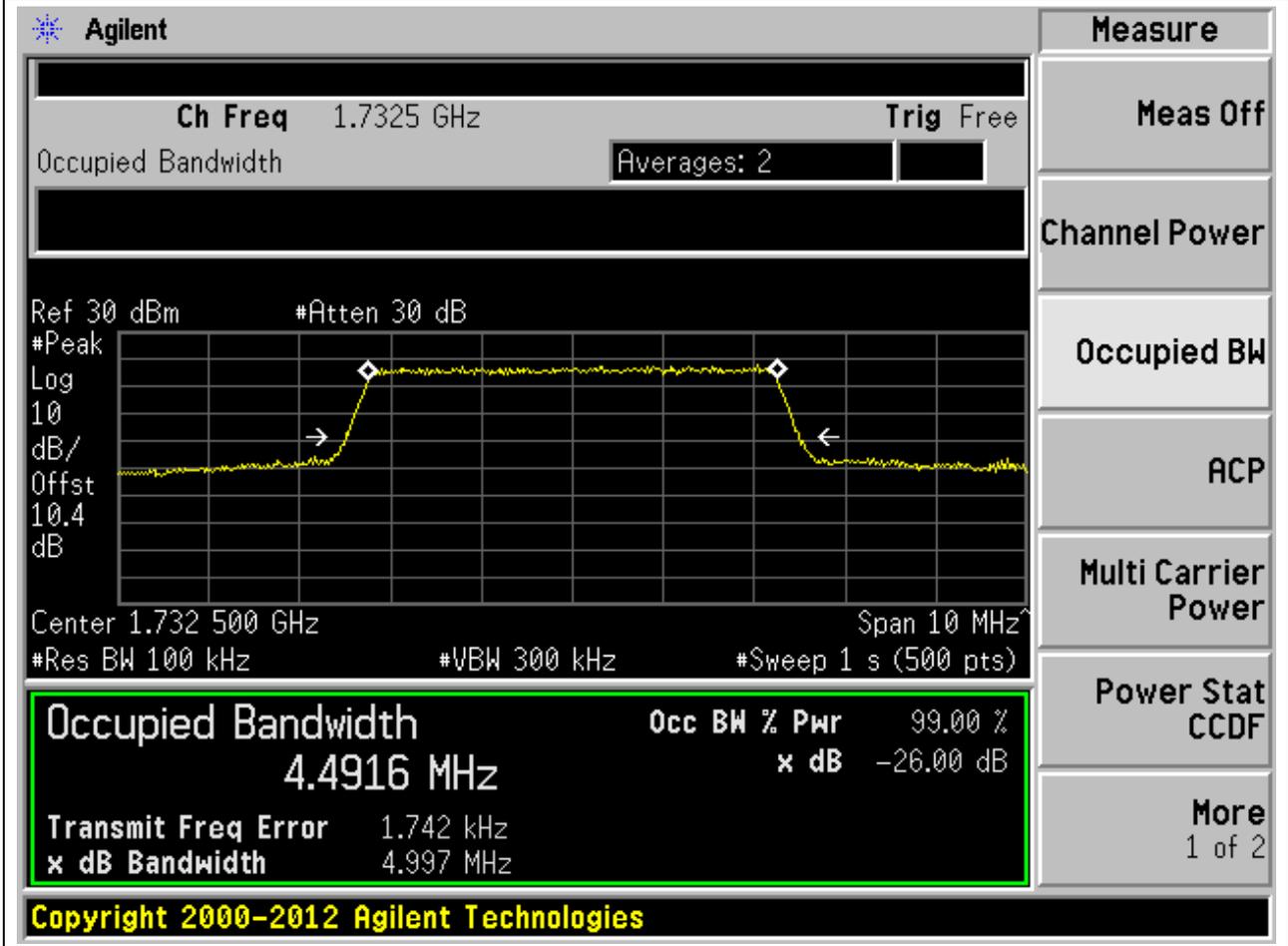
Power Stat CCDF

More 1 of 2

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**2.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.1	Peak	4.49	5	5	Pass



**2.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.1	Peak	4.49	4.94	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7325 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.4 dB, Center 1.732 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>4.4871 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		4.322 kHz
<b>x dB Bandwidth</b>		4.941 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'.

**2.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.1	Peak	4.49	4.96	5	Pass

Agilent

Measure

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.4

dB

Center 1.732 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4940 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -1.216 kHz	
<b>x dB Bandwidth</b> 4.957 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**2.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.1	Peak	4.48	4.91	5	Pass

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 dB

Center 1.732 500 GHz Span 10 MHz

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

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

4.4842 MHz x dB -26.00 dB

Transmit Freq Error 4.226 kHz

x dB Bandwidth 4.913 MHz

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2.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20375, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.5	99	26	0.1	Peak	4.49	4.95	5	Pass

Agilent

Measure

Ch Freq 1.7525 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.3

dB

Center 1.752 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4854 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -312.601 Hz	
<b>x dB Bandwidth</b> 4.949 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**2.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20375, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.5	99	26	0.1	Peak	4.49	4.96	5	Pass

Agilent

Measure

Ch Freq 1.7525 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.3 dB

Center 1.752 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4940 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-7.927 kHz
<b>x dB Bandwidth</b>	4.959 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**2.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20375, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1752.5	99	26	0.1	Peak	4.48	4.91	5	Pass

Agilent

Measure

Ch Freq 1.7525 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.3 dB
Center 1.752 500 GHz

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

Span 10 MHz

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4782 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 17.537 Hz	
<b>x dB Bandwidth</b> 4.911 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**2.37. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20000, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.97	9.85	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is set to 1.715 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is centered at 1.715 GHz with a span of 20 MHz. The resolution bandwidth (RBW) is 200 kHz, and the video bandwidth (VBW) is 620 kHz. The sweep time is 1 second with 500 points. The plot shows a signal with a peak level of approximately -26 dB. The occupied bandwidth is measured as 8.9736 MHz, which is 99.00% of the total bandwidth. The XdB bandwidth is 9.850 MHz. The transmit frequency error is 8.066 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	99.00 %
8.9736 MHz	x dB	-26.00 dB
Transmit Freq Error	8.066 kHz	
x dB Bandwidth	9.850 MHz	

**2.38. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20000, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.94	9.77	10	Pass

**Agilent**

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.715 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9365 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.432 kHz
<b>x dB Bandwidth</b>		9.773 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**2.39. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20000, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.96	9.83	10	Pass

Agilent

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

Ch Freq 1.715 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.715 00 GHz Span 20 MHz

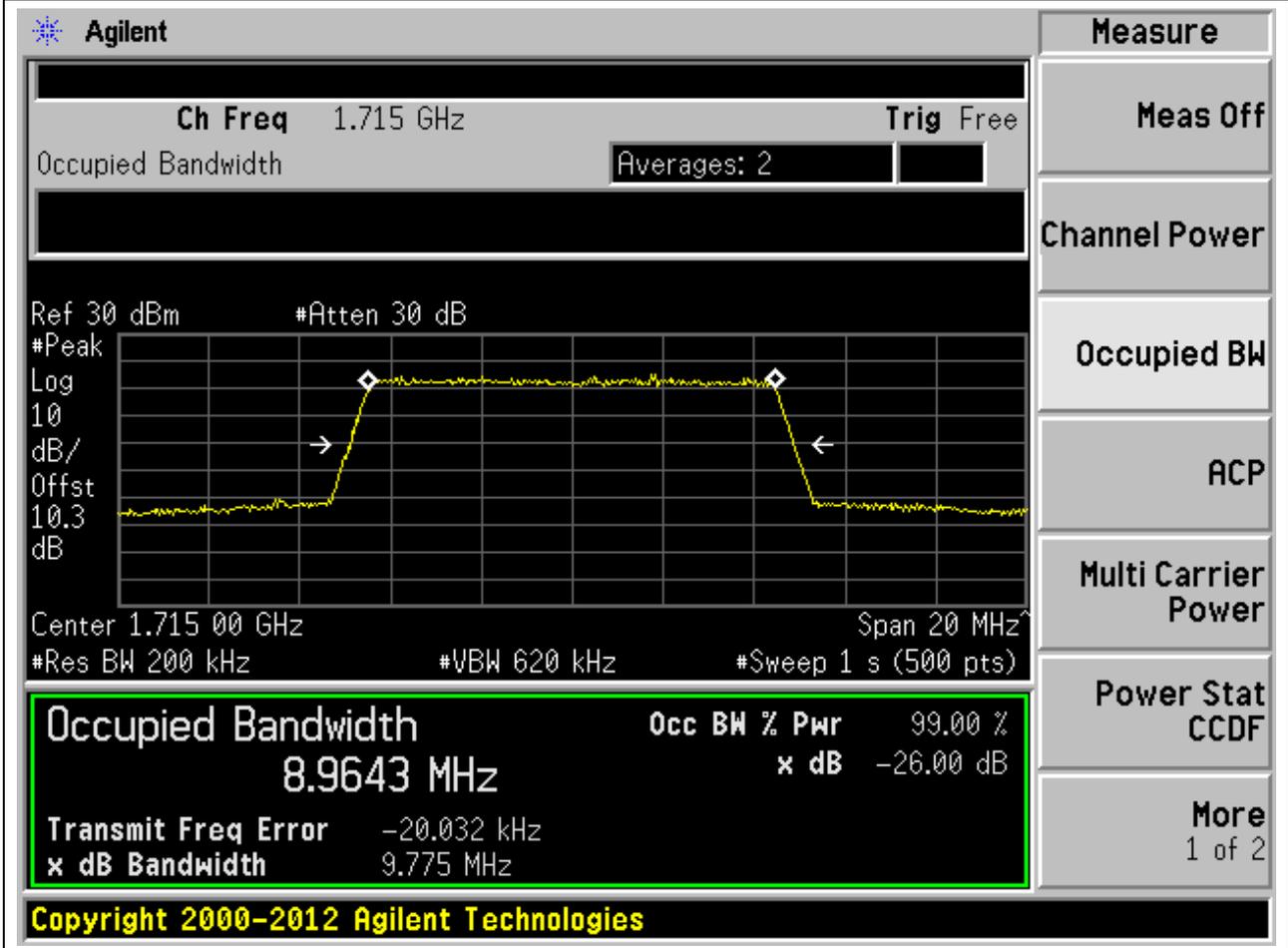
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9646 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -9.611 kHz	
<b>x dB Bandwidth</b> 9.830 MHz	

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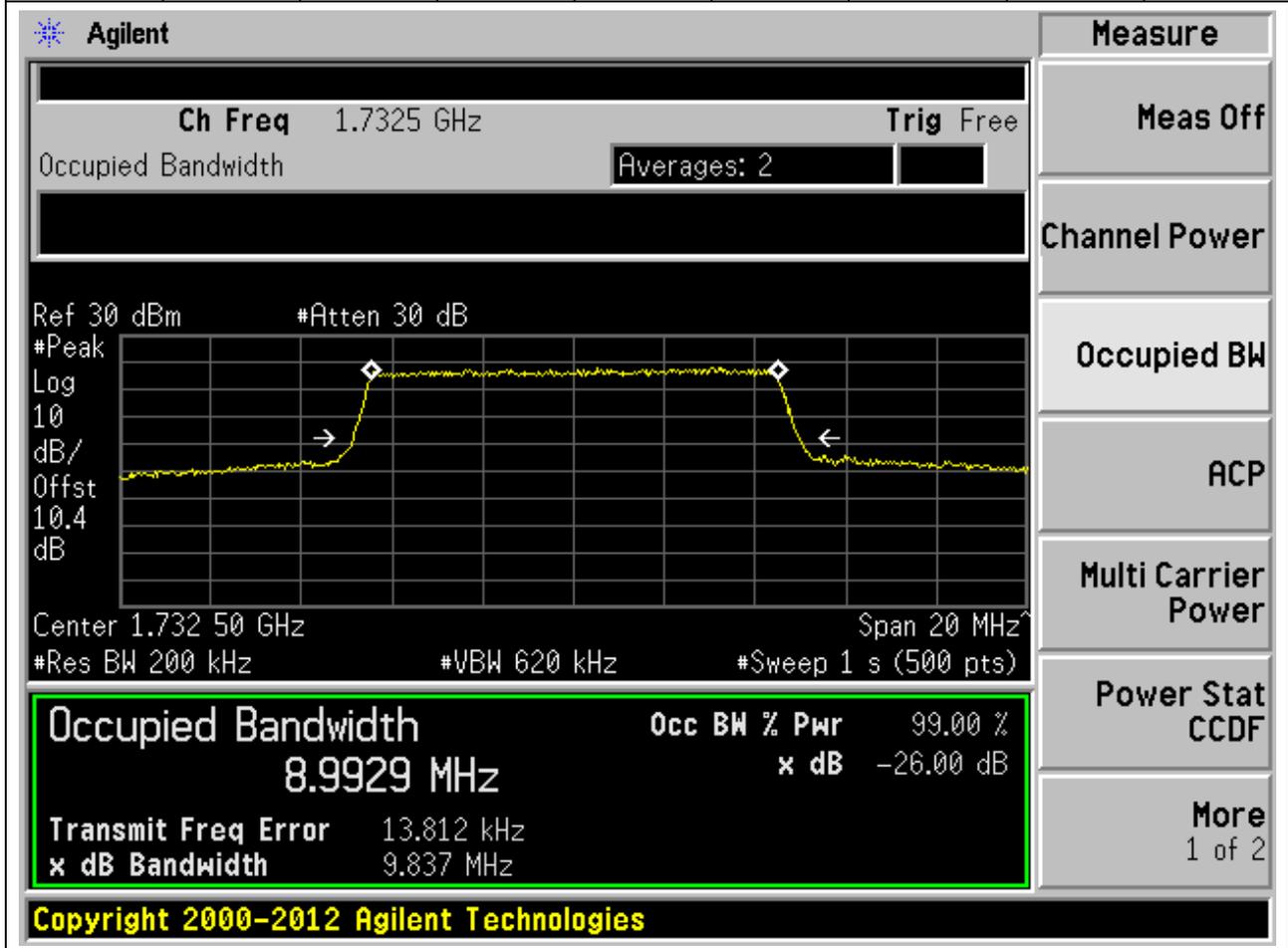
**2.40. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20000, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.96	9.78	10	Pass



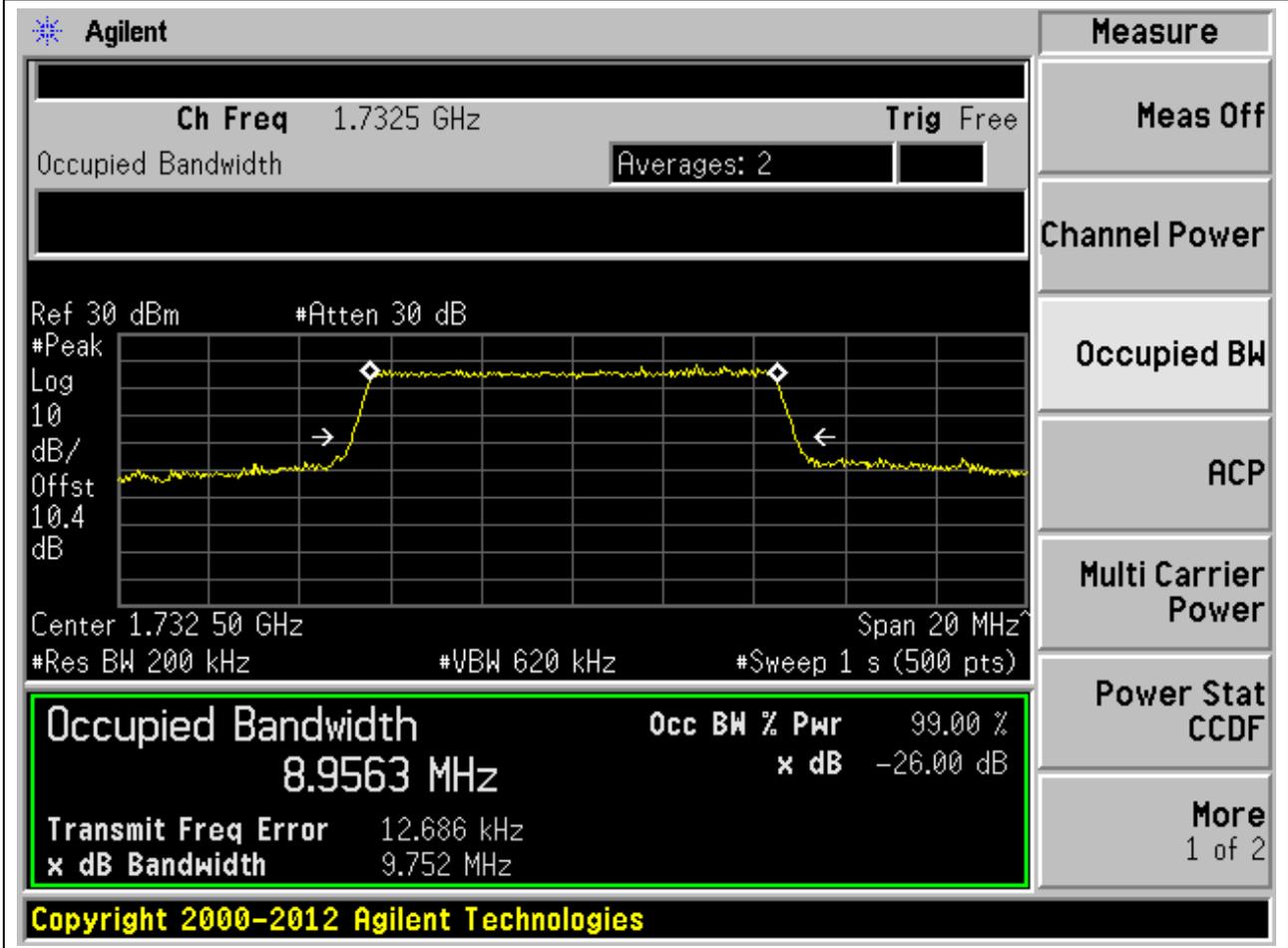
2.41. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.99	9.84	10	Pass



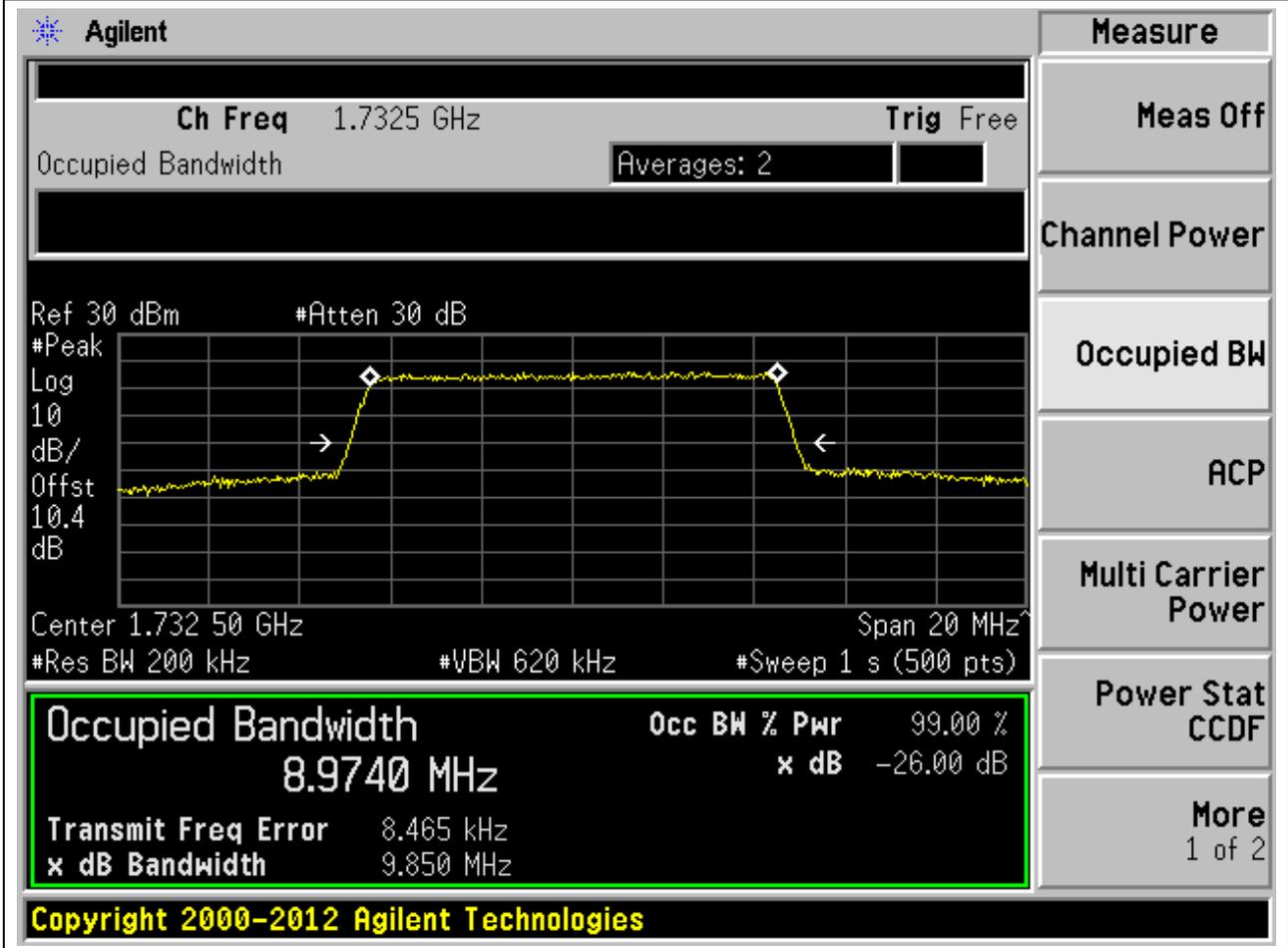
**2.42. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.96	9.75	10	Pass



**2.43. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

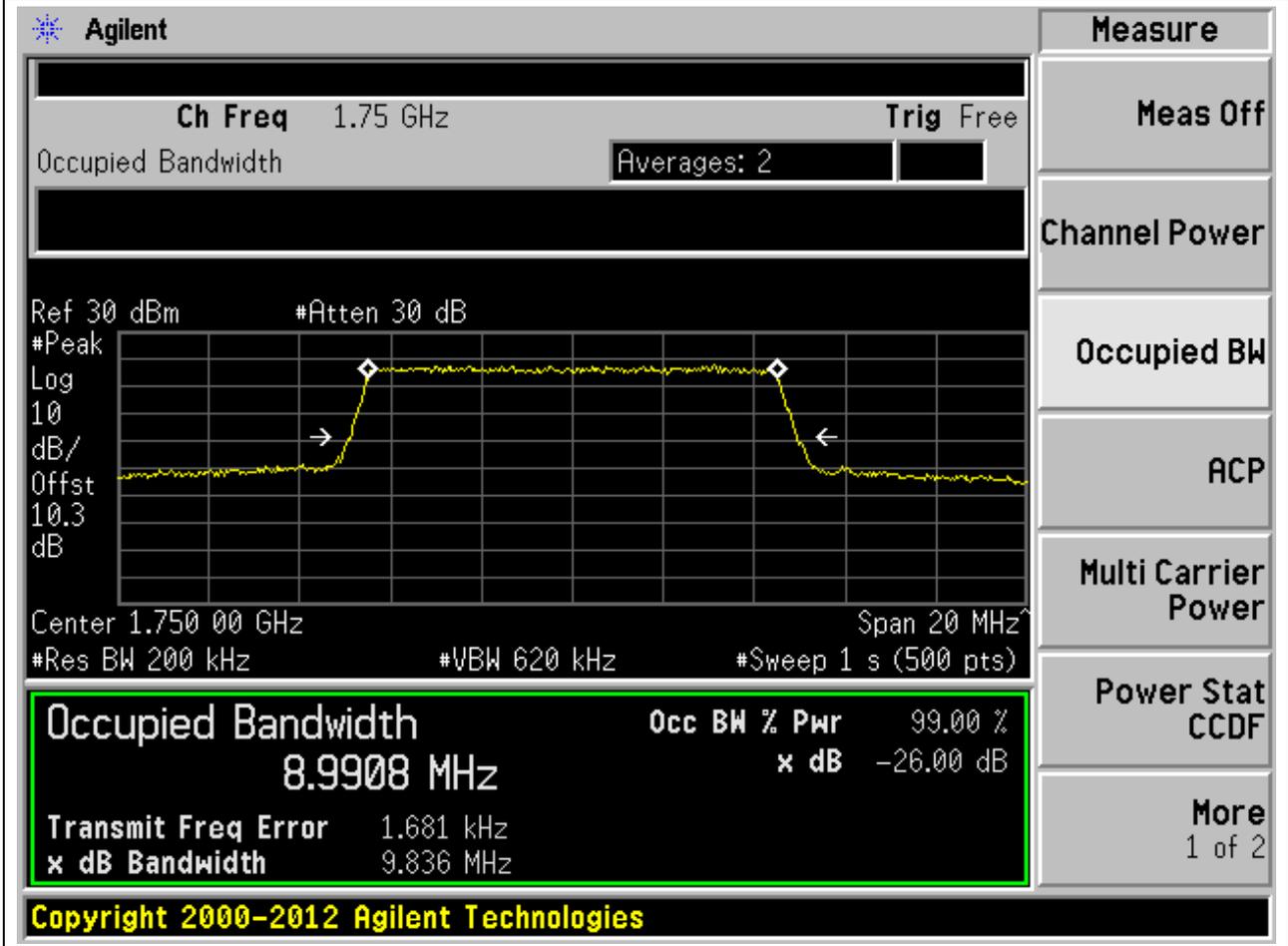
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.97	9.85	10	Pass





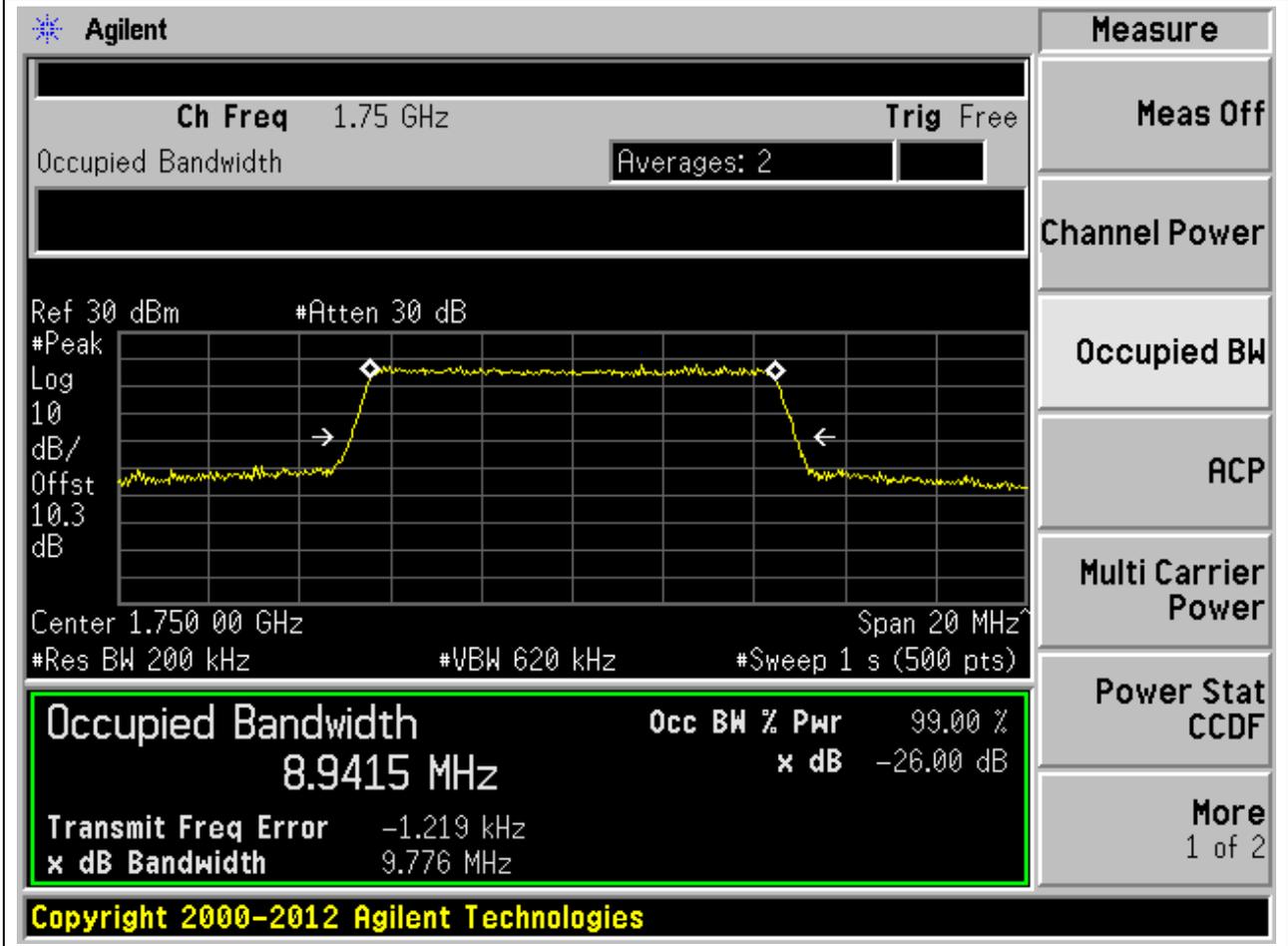
**2.45. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.99	9.84	10	Pass



**2.46. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20350, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.94	9.78	10	Pass



**2.47. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20350, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.97	9.84	10	Pass

Agilent

Measure

Ch Freq 1.75 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.750 00 GHz Span 20 MHz  
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

Occupied Bandwidth

8.9667 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

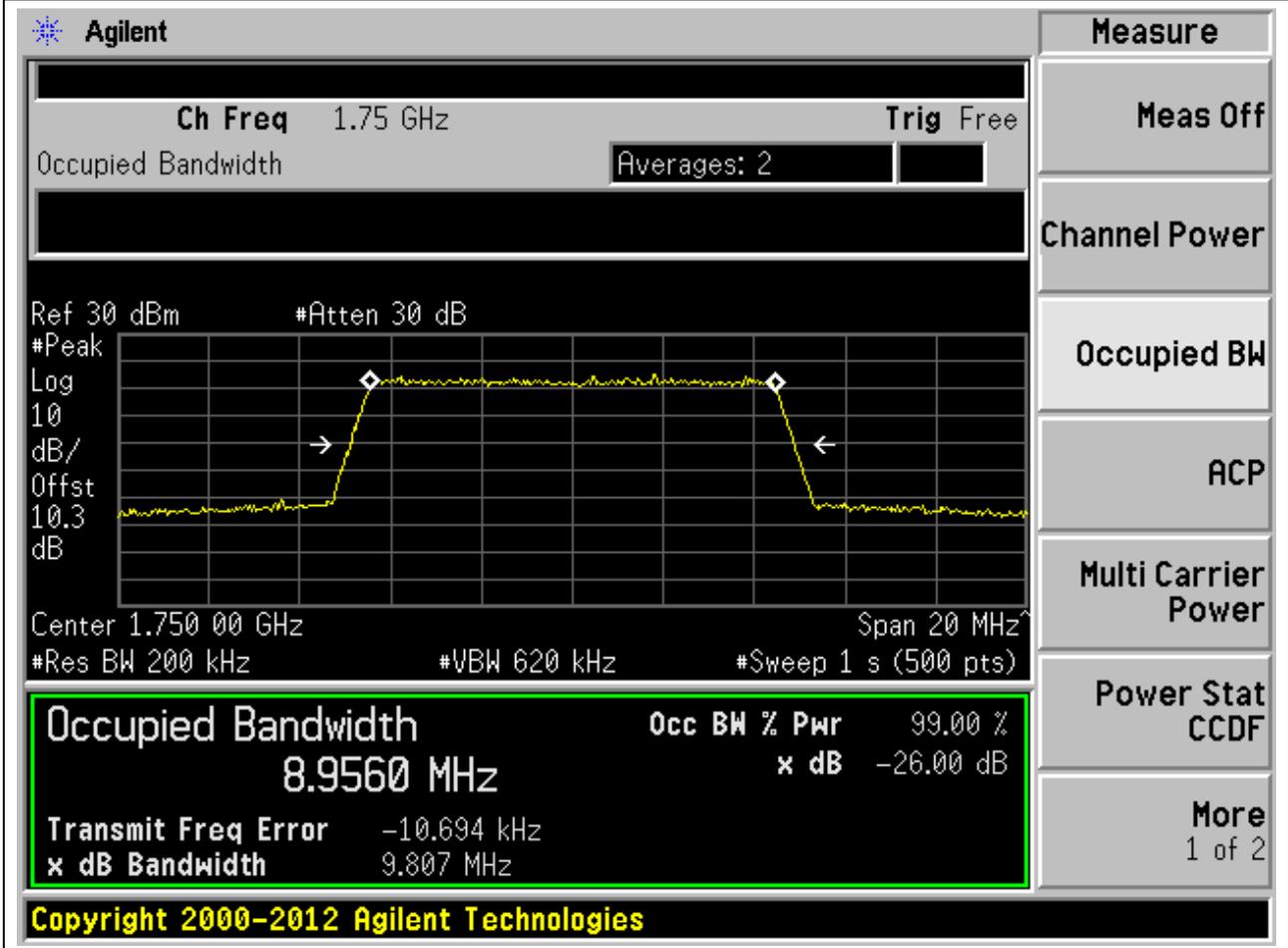
Transmit Freq Error -2.525 kHz

x dB Bandwidth 9.840 MHz

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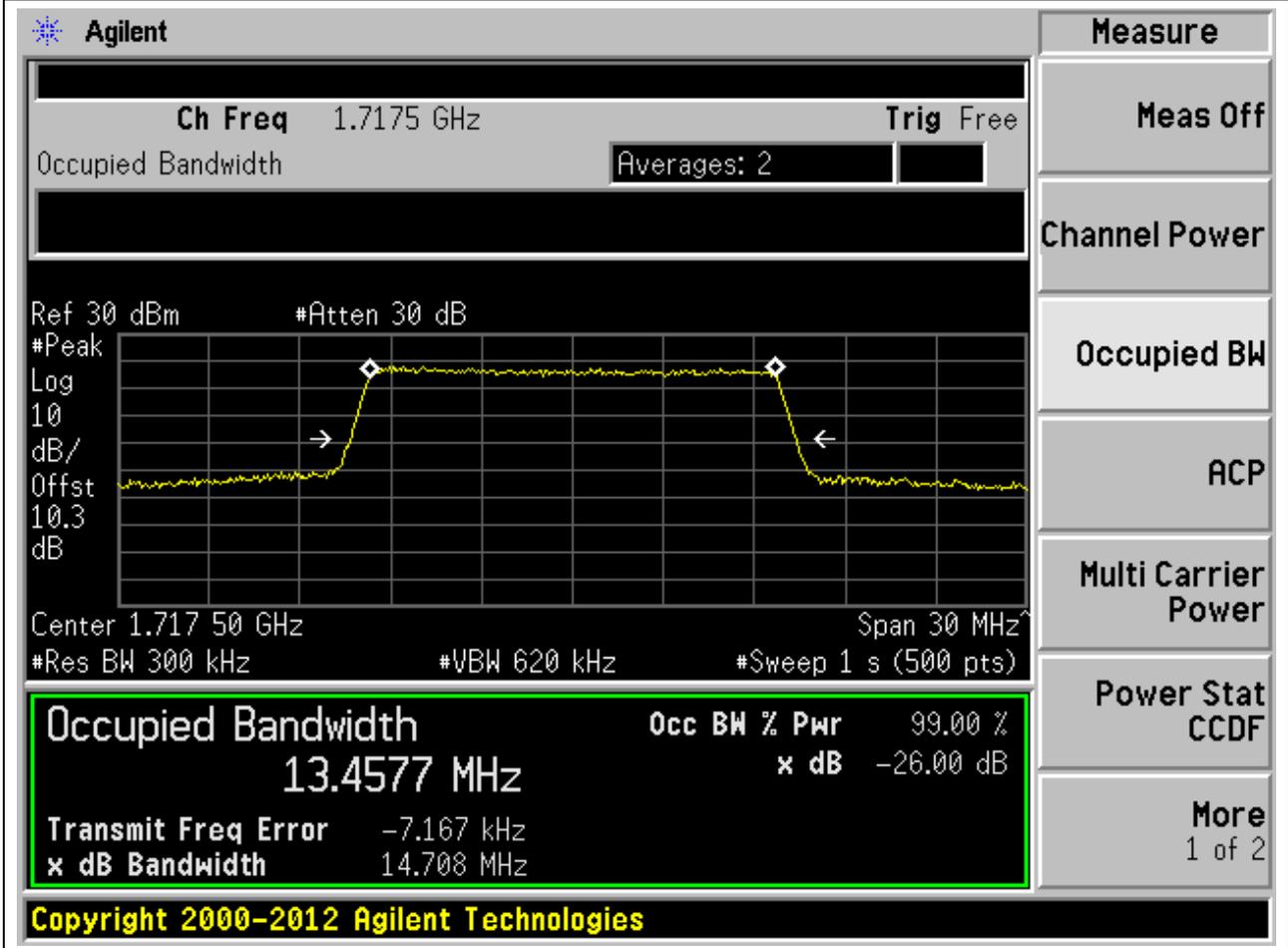
**2.48. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20350, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.96	9.81	10	Pass



**2.49. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20025, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.46	14.71	15	Pass



**2.50. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20025, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.45	14.69	15	Pass

Agilent
Measure

Ch Freq 1.7175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.717 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4549 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -14.289 kHz	
<b>x dB Bandwidth</b> 14.693 MHz	

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**2.51. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20025, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.43	14.7	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 1.7175 GHz with a span of 30 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.3 dB'. The horizontal axis is labeled 'Center 1.717 50 GHz'. The plot shows a signal with a peak at approximately 1.7175 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4343 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -11.763 kHz and the 'x dB Bandwidth' is 14.698 MHz. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**2.52. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20025, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.43	14.64	15	Pass

Agilent

Measure

Ch Freq 1.7175 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/Offst
10.3 dB

Center 1.717 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4343 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -18.095 kHz	
<b>x dB Bandwidth</b> 14.639 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

More 1 of 2

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**2.53. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.44	14.75	15	Pass

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.732 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4441 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 29.771 kHz	
<b>x dB Bandwidth</b> 14.752 MHz	

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**2.54. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.45	14.75	15	Pass

Agilent

Measure

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.4 dB

Center 1.732 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4548 MHz	x dB -26.00 dB
Transmit Freq Error 17.354 kHz	
x dB Bandwidth 14.749 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**2.55. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.44	14.71	15	Pass

Agilent

Measure

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.4 dB

Center 1.732 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4353 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 25.902 kHz	
<b>x dB Bandwidth</b> 14.715 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.56. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.44	14.62	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.7325 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a logarithmic scale (Log 10 dB/Offst 10.4 dB) and shows a signal with a bandwidth of approximately 13.4 MHz. The measurement results are summarized in a table at the bottom of the screen:

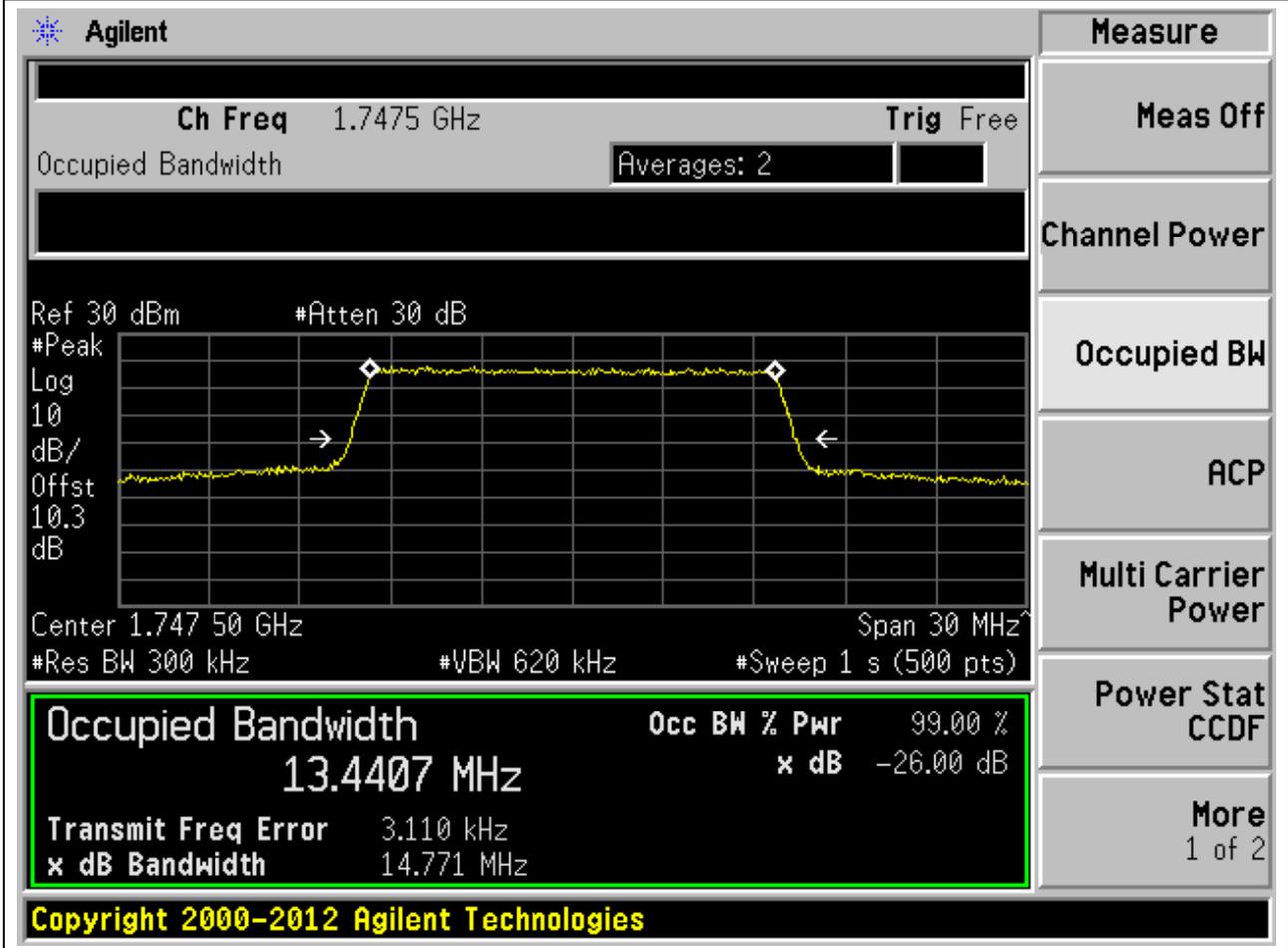
Occupied Bandwidth	Occ BW % Pwr	x dB
13.4354 MHz	99.00 %	-26.00 dB

Additional parameters shown include: Transmit Freq Error 13.586 kHz, x dB Bandwidth 14.619 MHz, Center 1.732 50 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts). The interface also includes a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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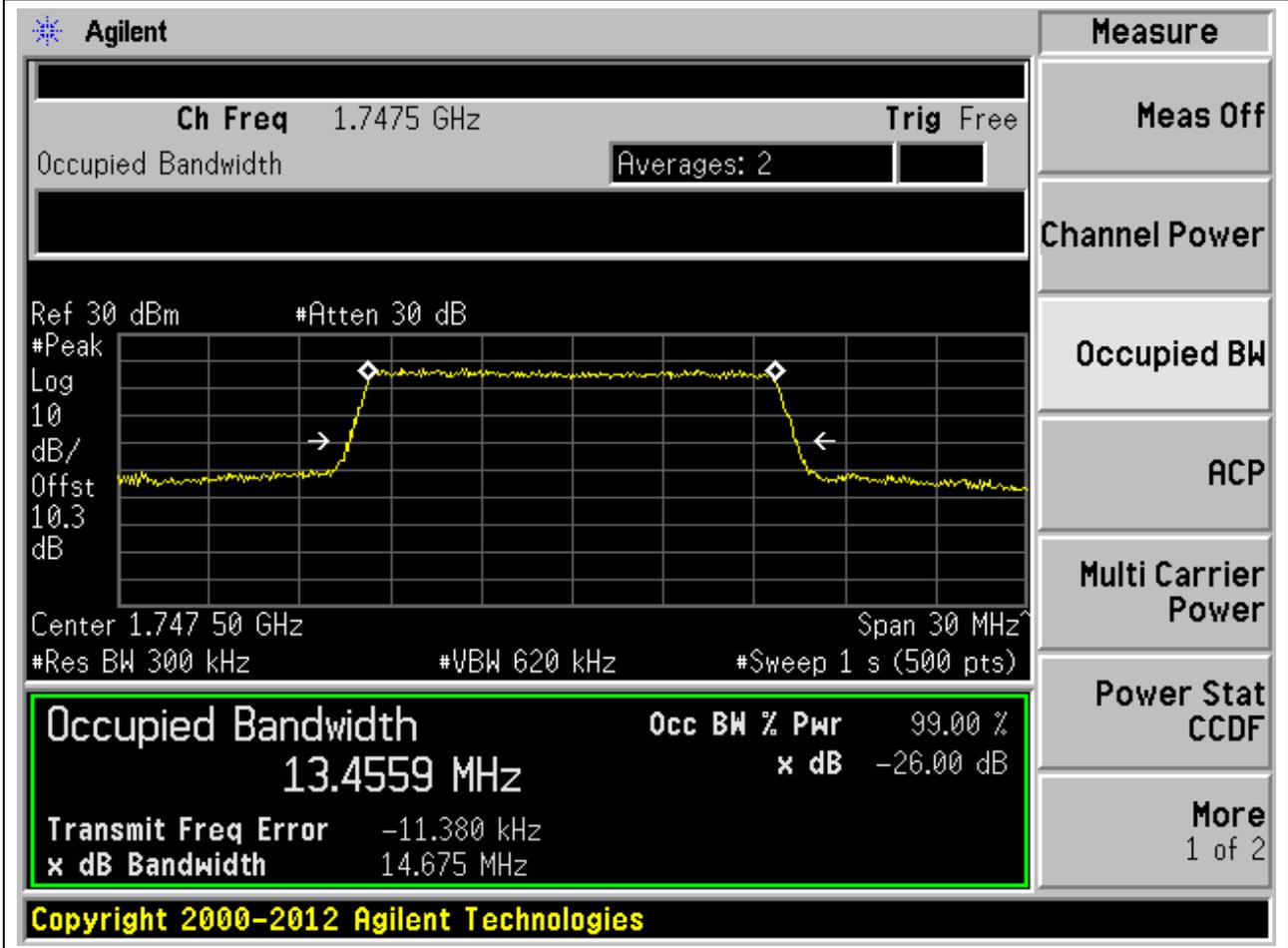
**2.57. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.44	14.77	15	Pass



**2.58. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20325, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.46	14.67	15	Pass



**2.59. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20325, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.43	14.71	15	Pass

Agilent

Measure

Ch Freq 1.7475 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10 dB/
Offst

10.3 dB

Center 1.747 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4313 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -9.111 kHz	
<b>x dB Bandwidth</b> 14.714 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

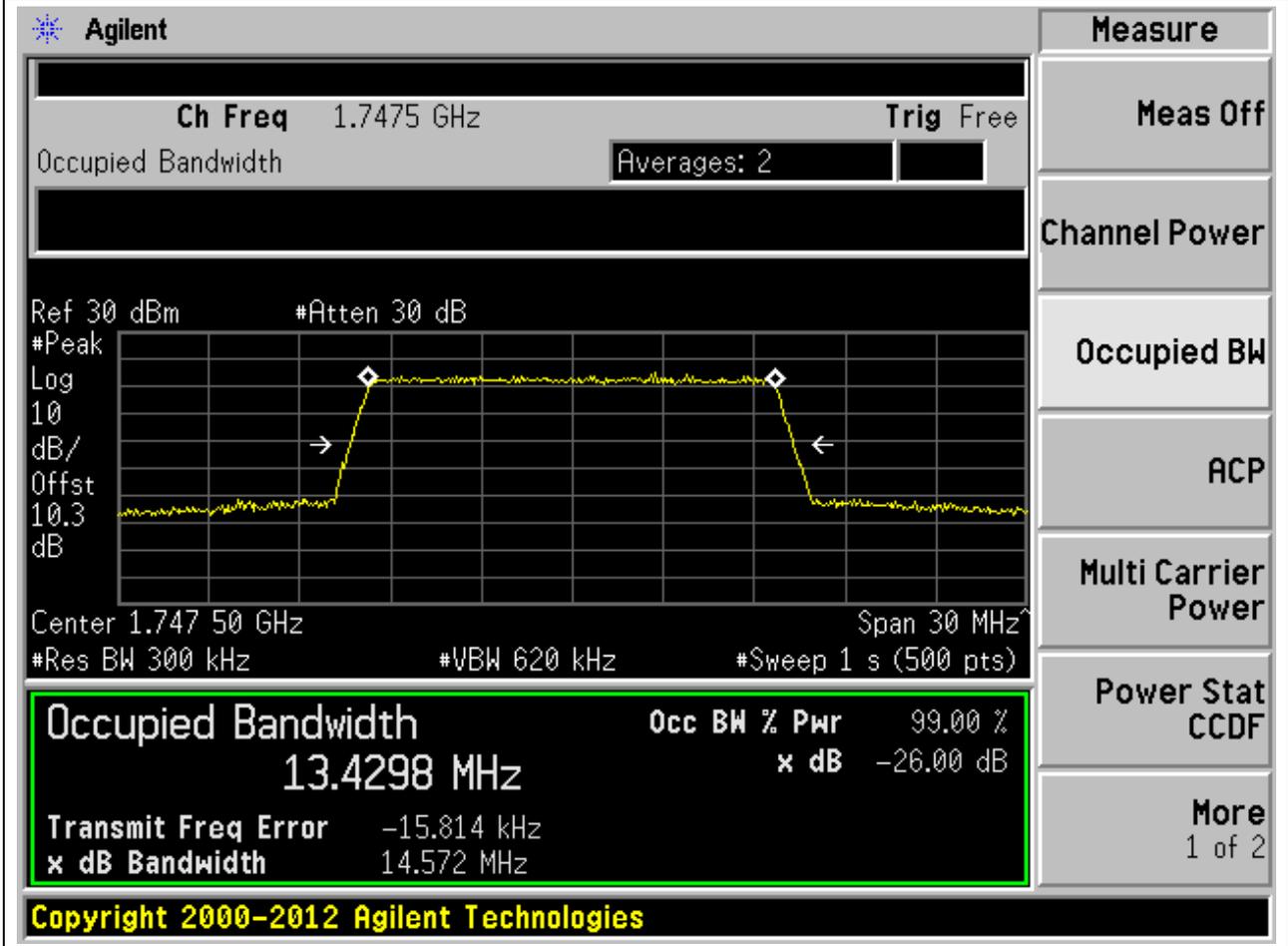
More

1 of 2

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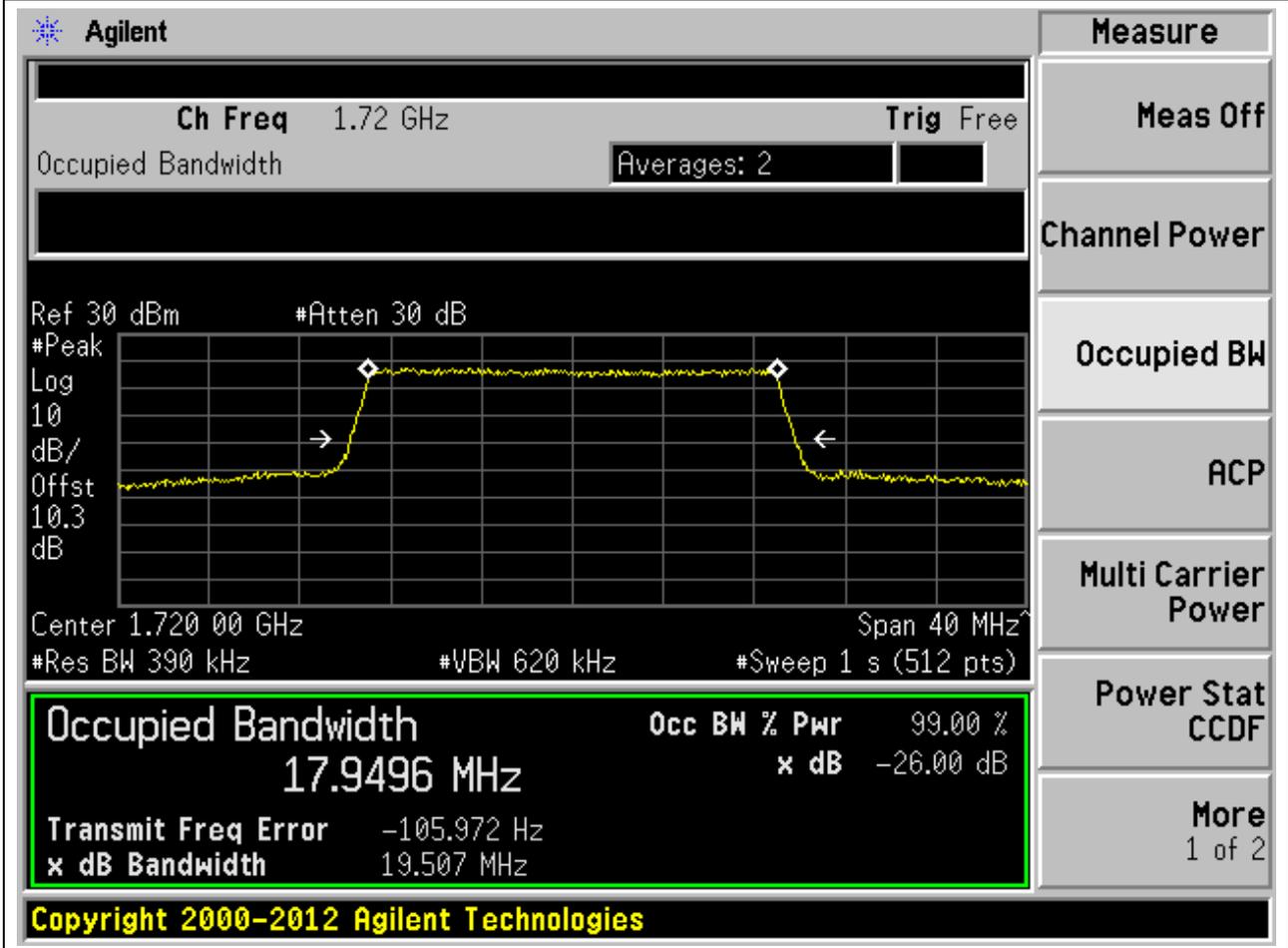
**2.60. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20325, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.43	14.57	15	Pass



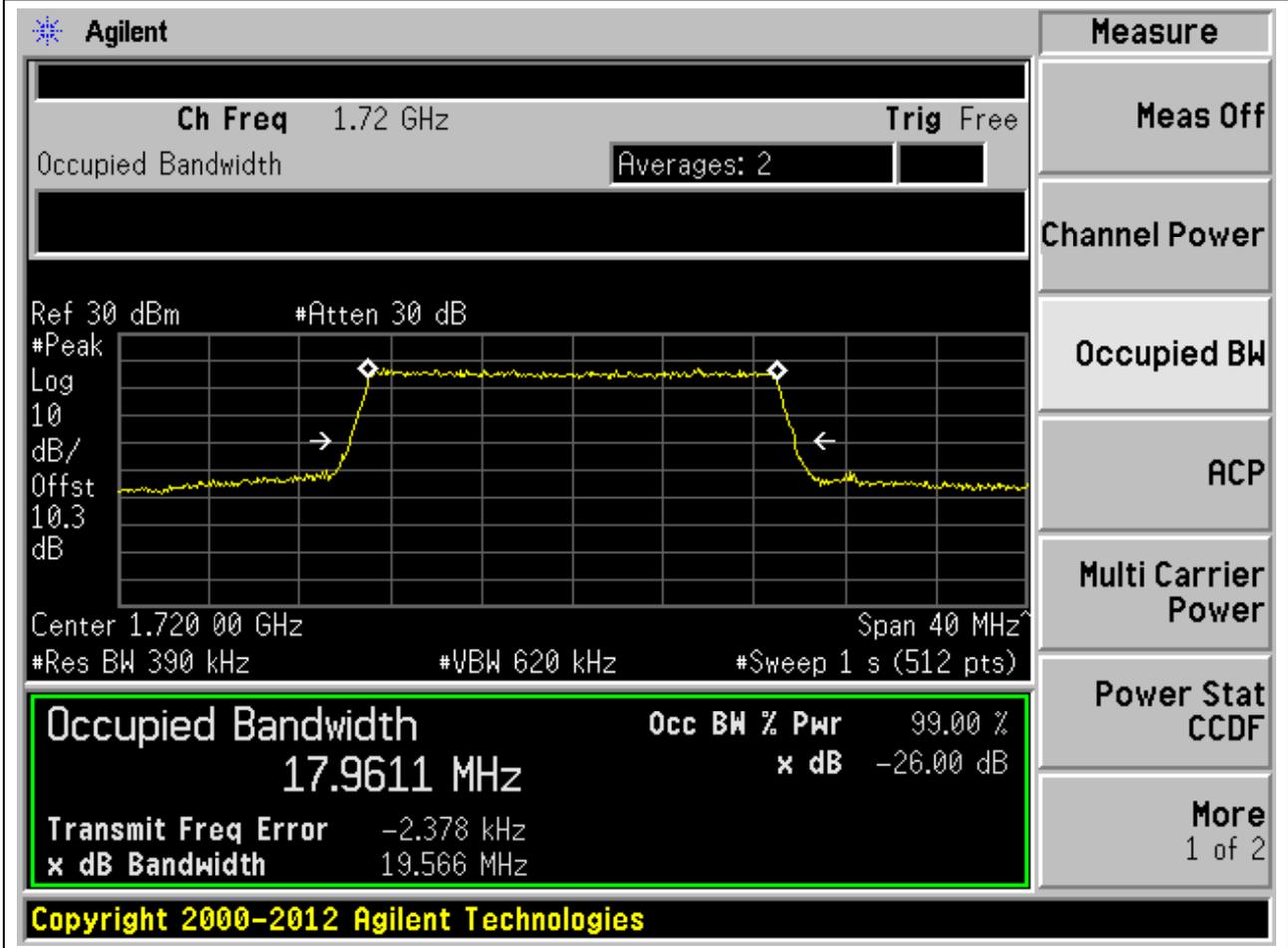
2.61. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.95	19.51	20	Pass



2.62. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20050, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.96	19.57	20	Pass



2.63. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20050, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.98	19.53	20	Pass

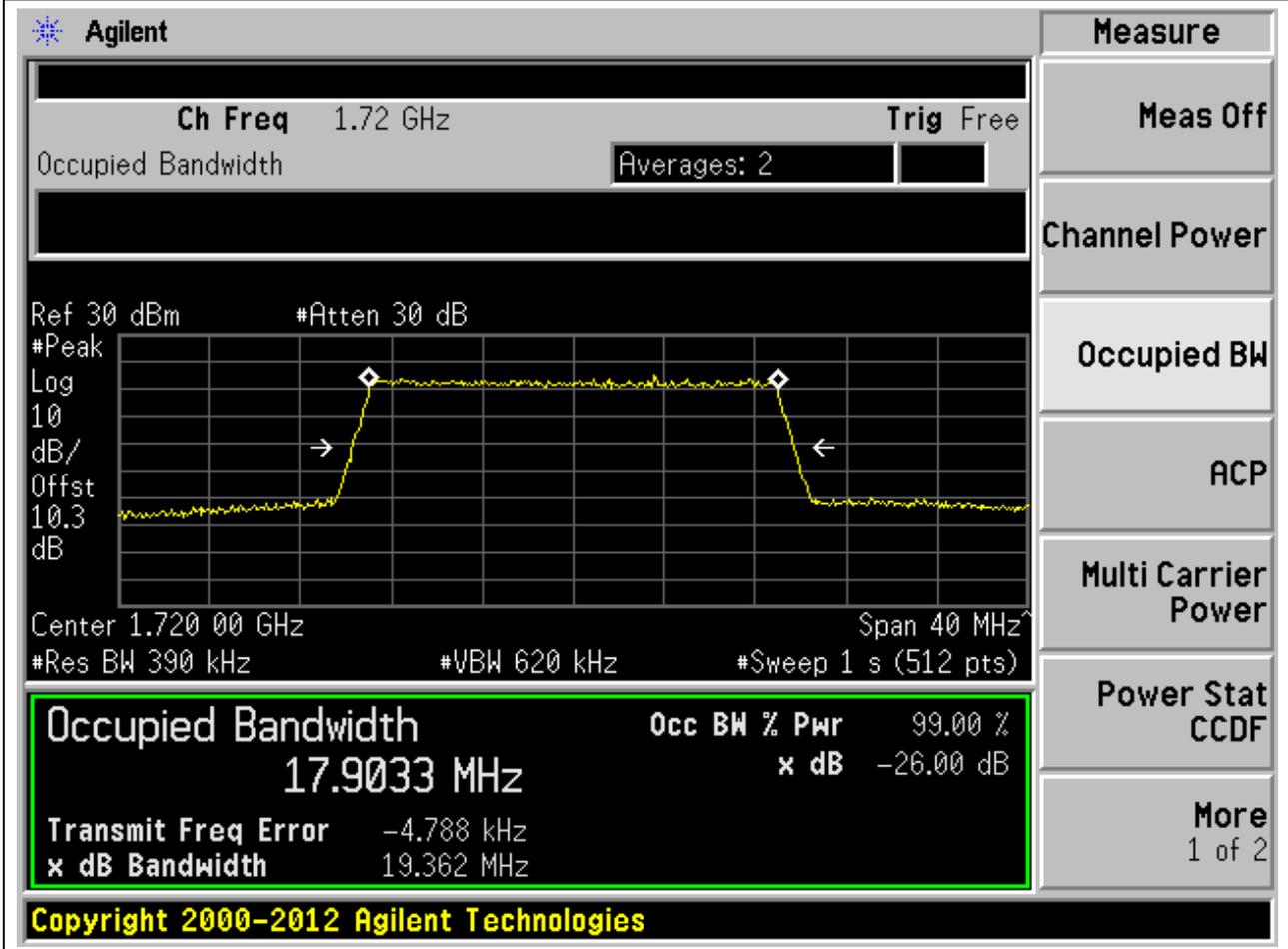
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.72 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 17.9827 MHz. The power is 99.00% and the XdB down is -26.00 dB. The detector is set to Peak. The RBW is 390 kHz and the VBW is 620 kHz. The sweep time is 1 s (512 pts). The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9827 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 11.424 kHz  
 x dB Bandwidth: 19.532 MHz

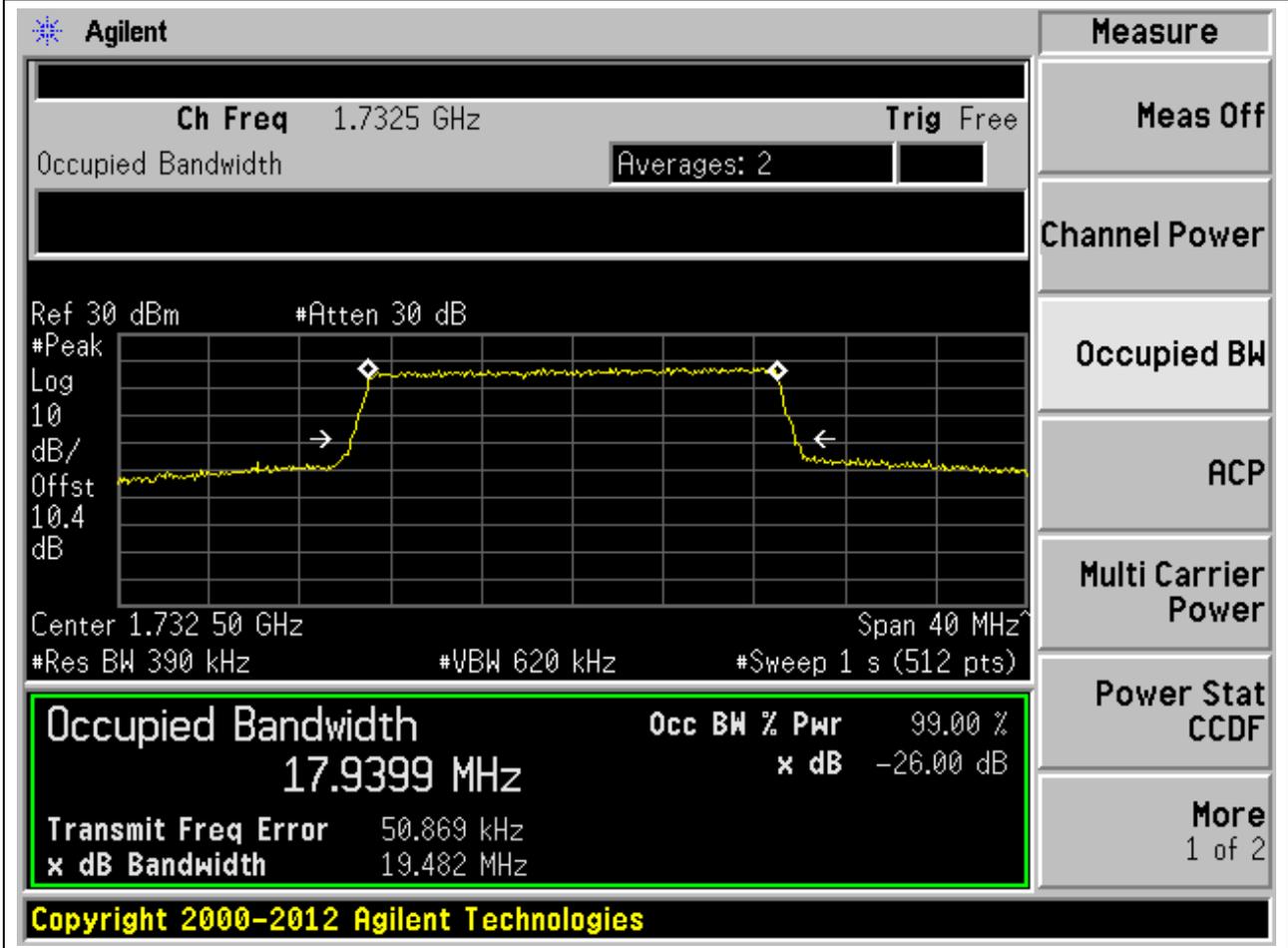
2.64. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20050, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.9	19.36	20	Pass



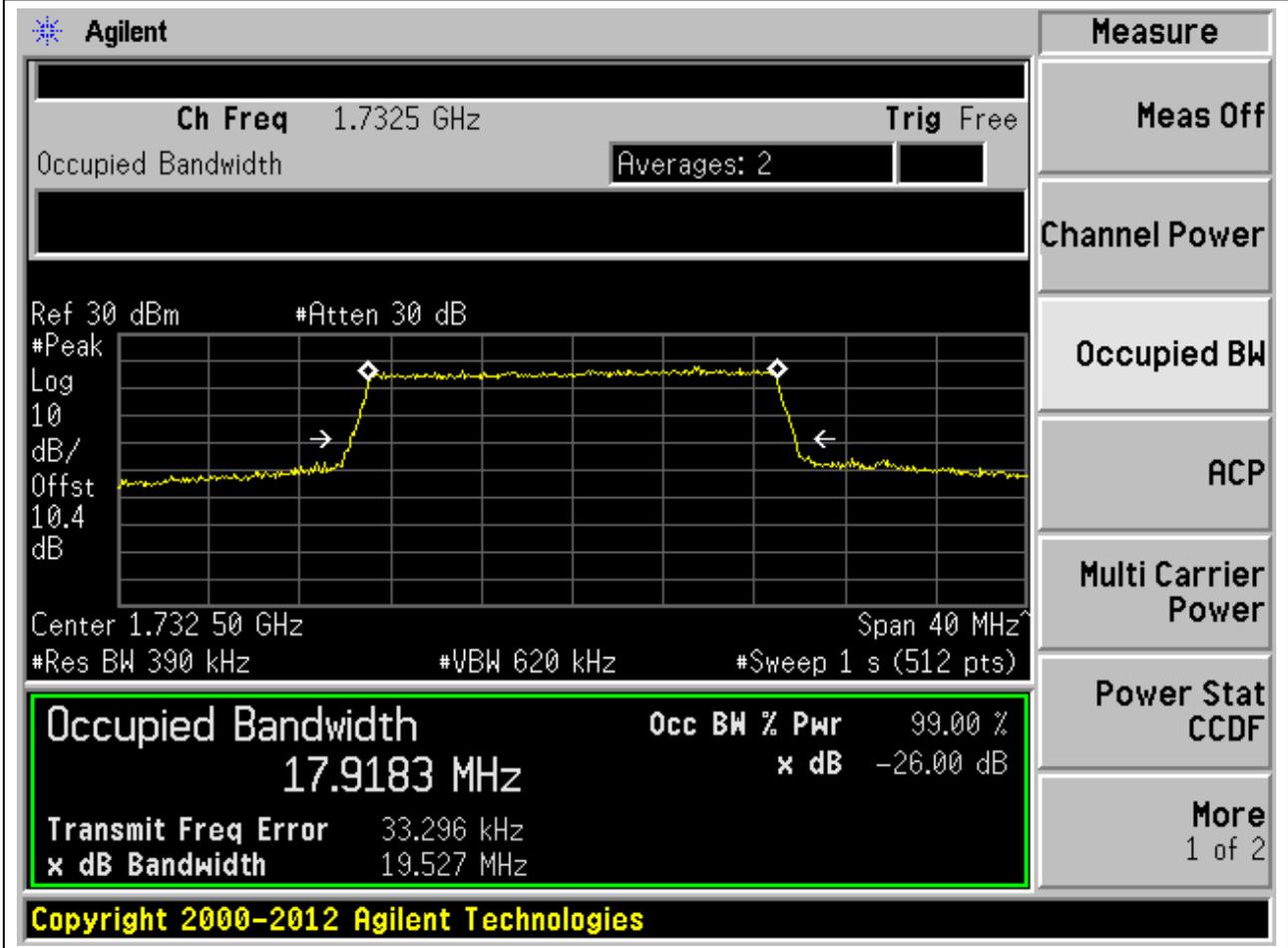
2.65. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.94	19.48	20	Pass



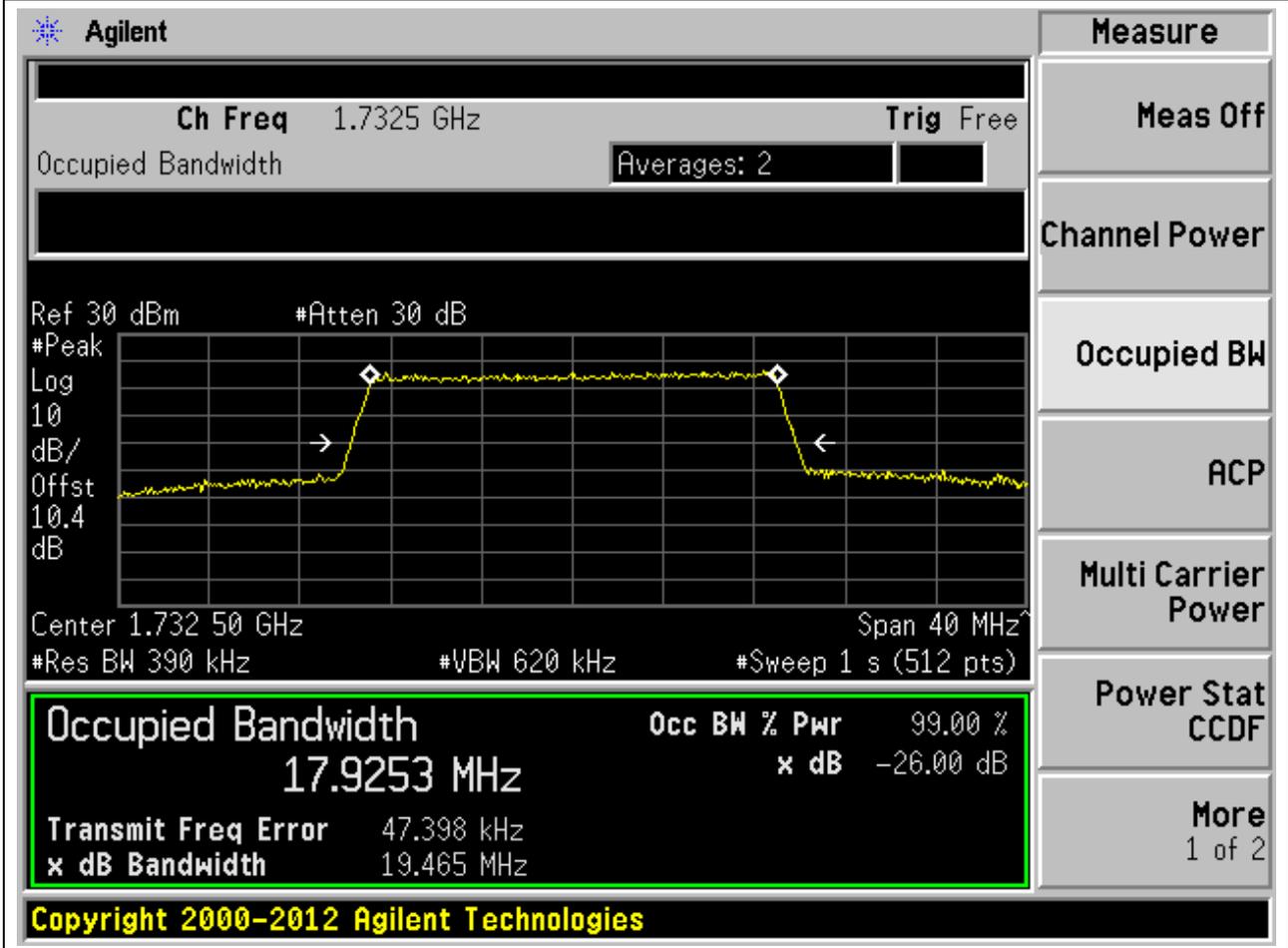
2.66. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.92	19.53	20	Pass



2.67. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20175, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

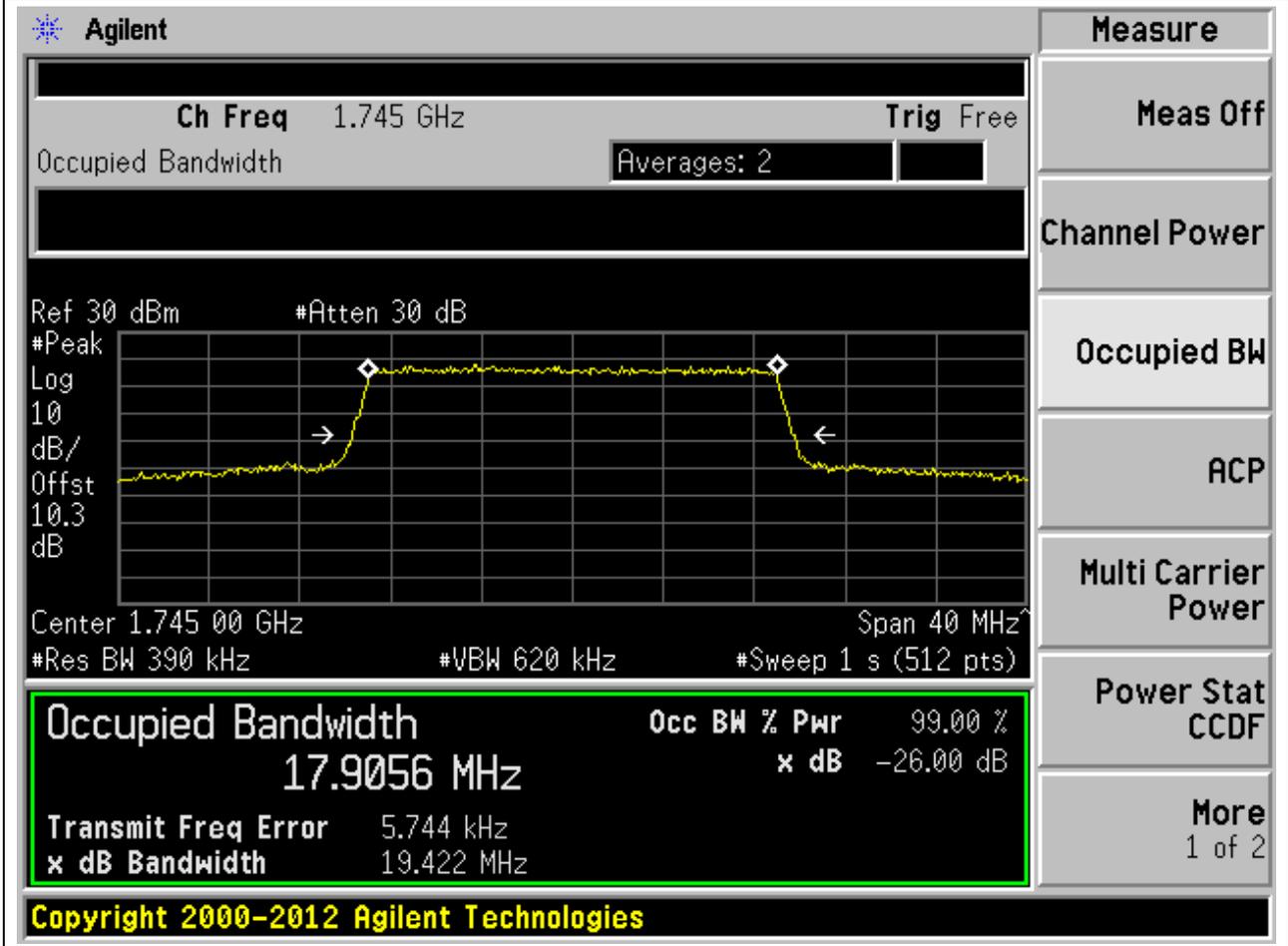
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.93	19.47	20	Pass





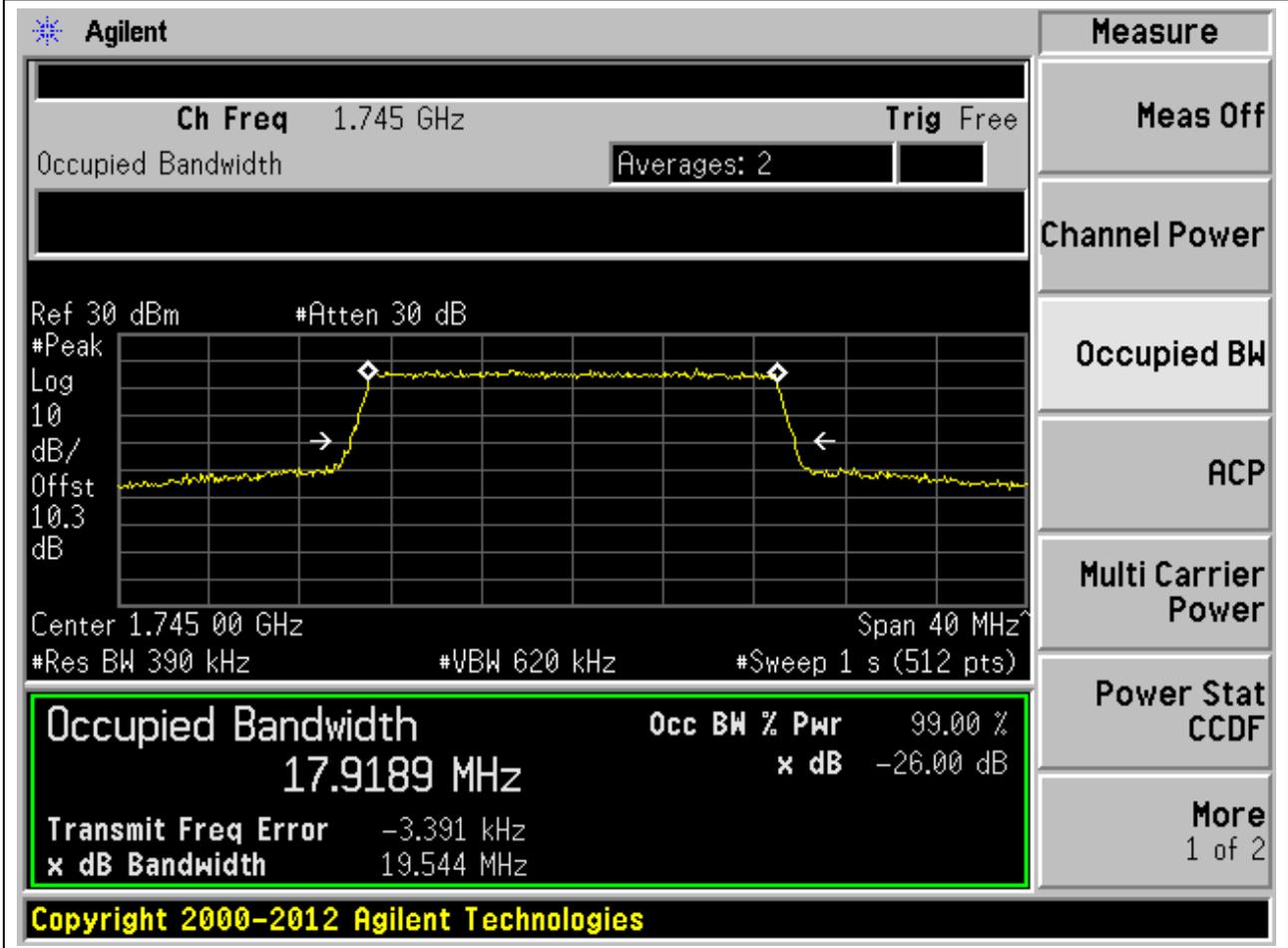
**2.69. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.91	19.42	20	Pass



**2.70. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20300, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.92	19.54	20	Pass



**2.71. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20300, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.92	19.49	20	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 10.3 dB

Center 1.745 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 620 kHz #Sweep 1 s (512 pts)

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

**17.9188 MHz** x dB -26.00 dB

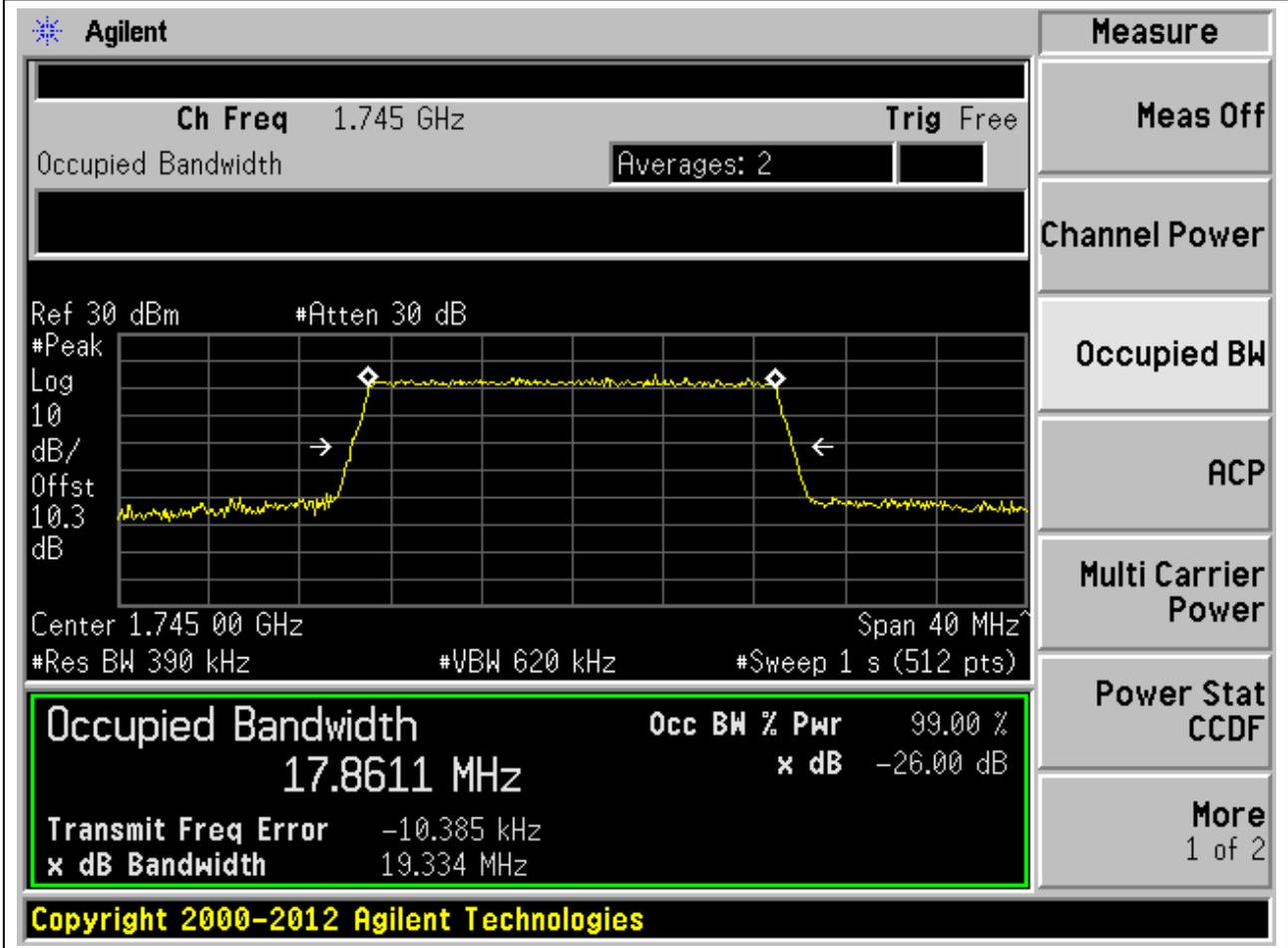
Transmit Freq Error 12.000 kHz

x dB Bandwidth 19.486 MHz

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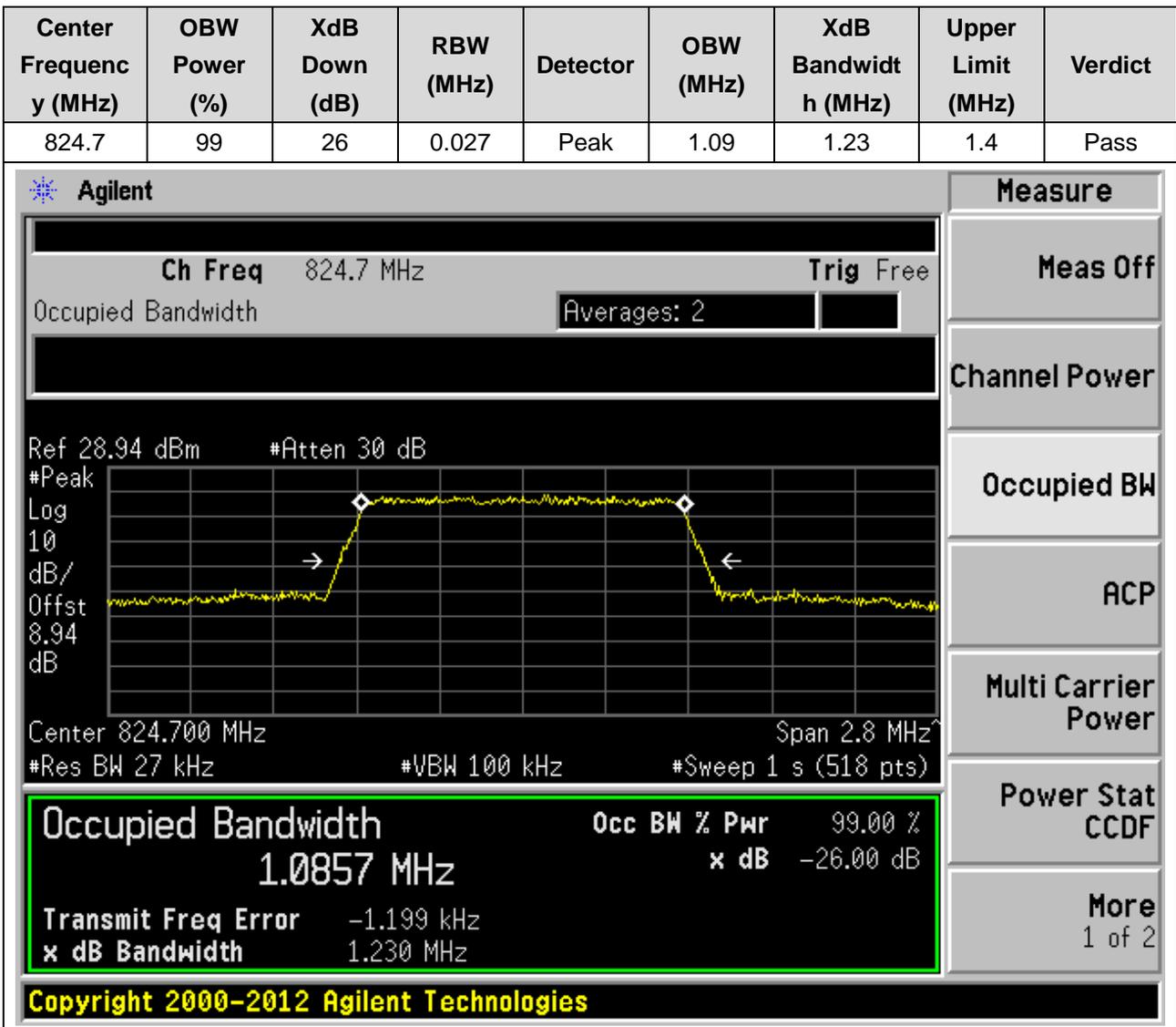
2.72. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20300, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.86	19.33	20	Pass



### 3. LTE\_Band5

#### 3.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20407, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



**3.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20407, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass

**Agilent**

Ch Freq 824.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 824.700 MHz Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.0888 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	2.081 kHz	
<b>x dB Bandwidth</b>	1.226 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

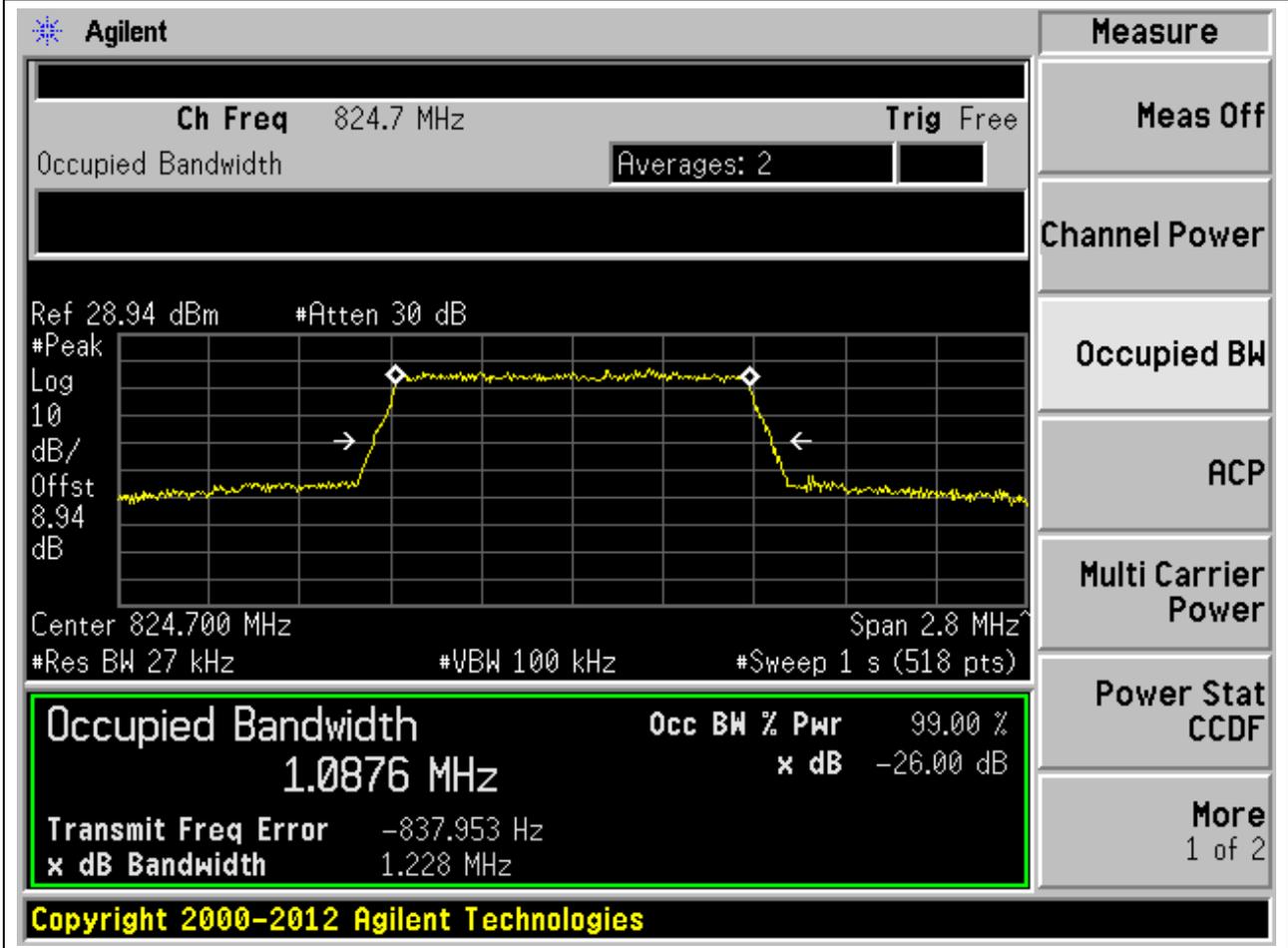
Multi Carrier Power

Power Stat CCDF

More 1 of 2

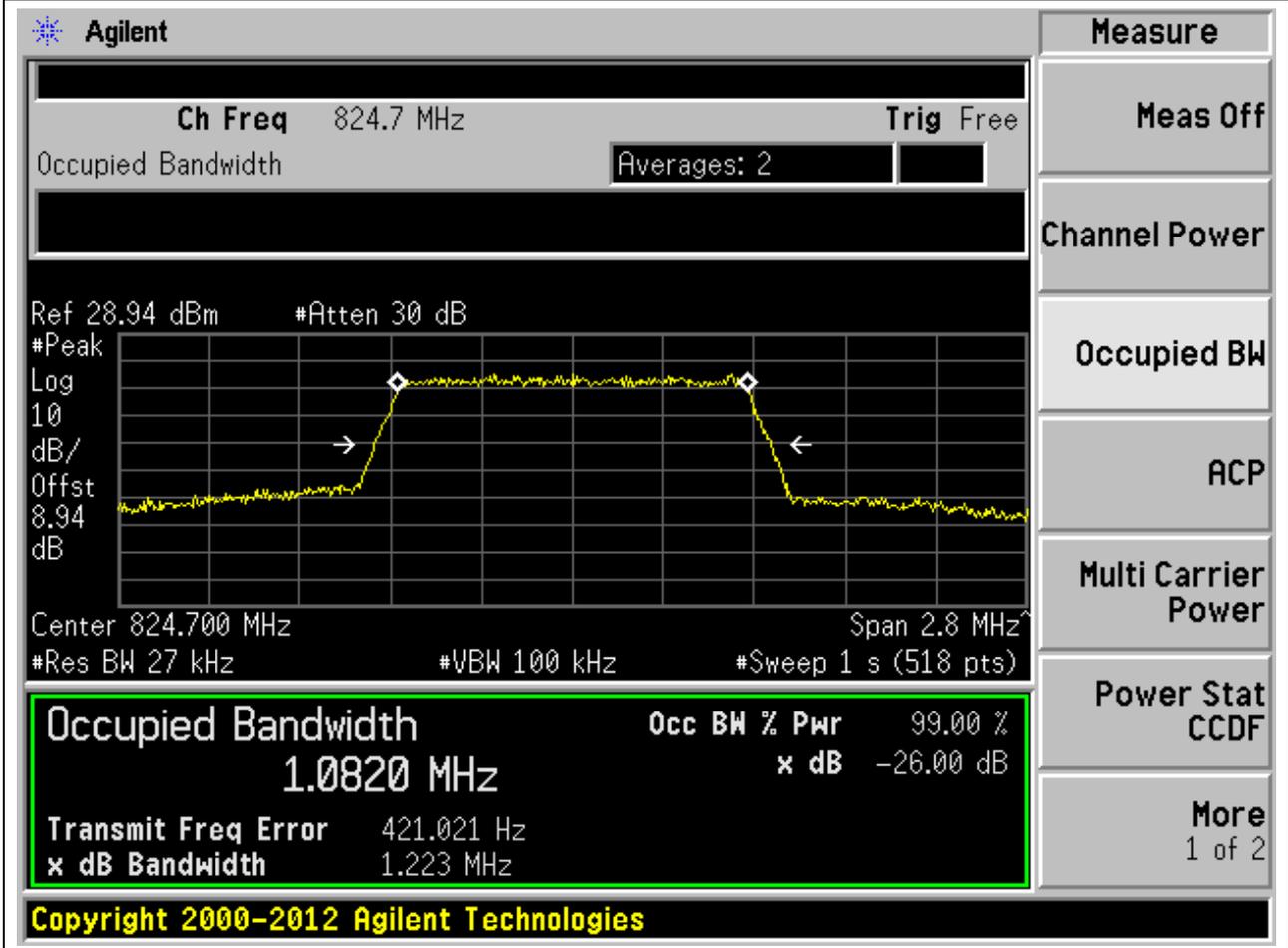
**3.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20407, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.09	1.23	1.4	Pass



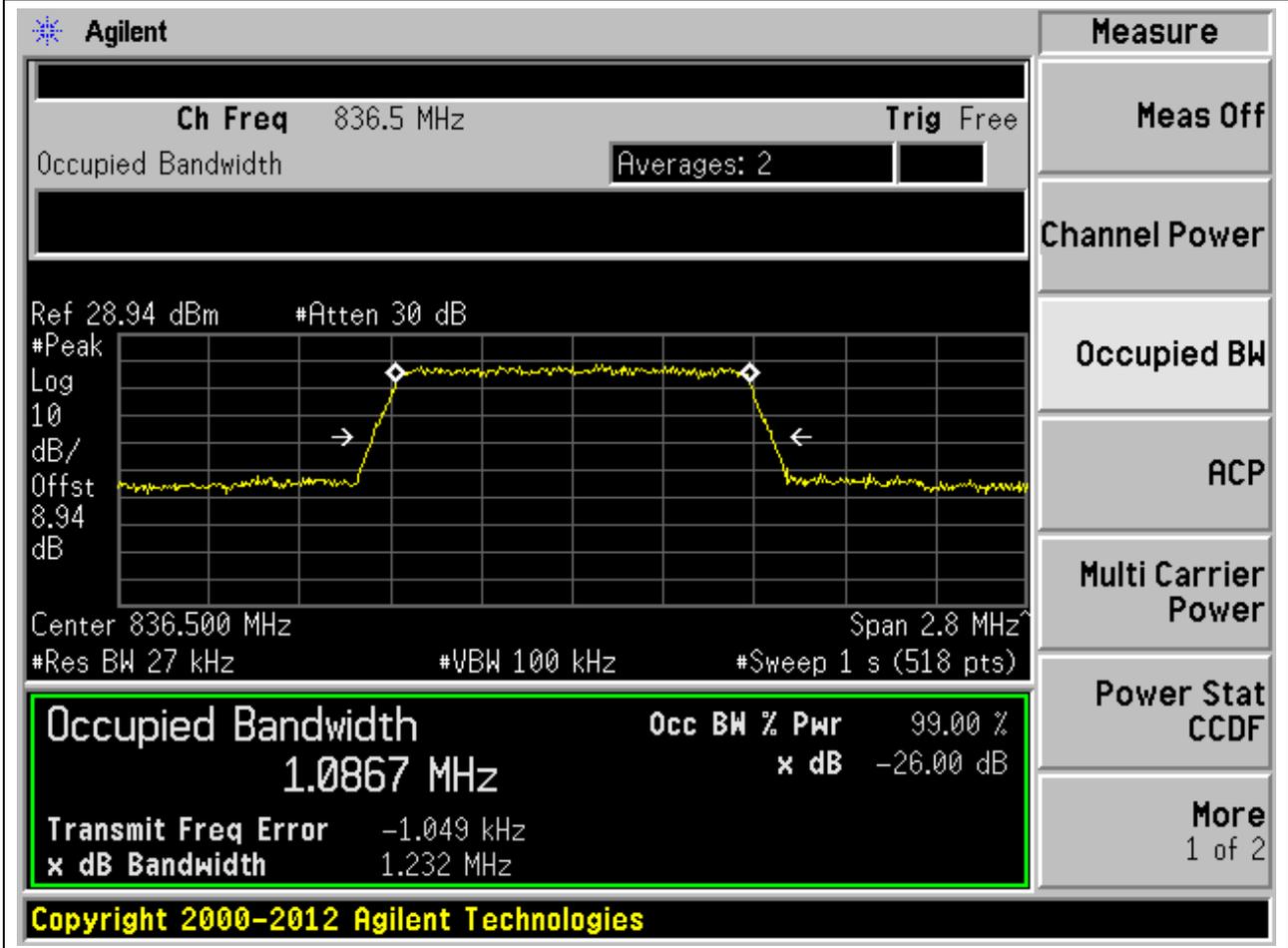
**3.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20407, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.08	1.22	1.4	Pass



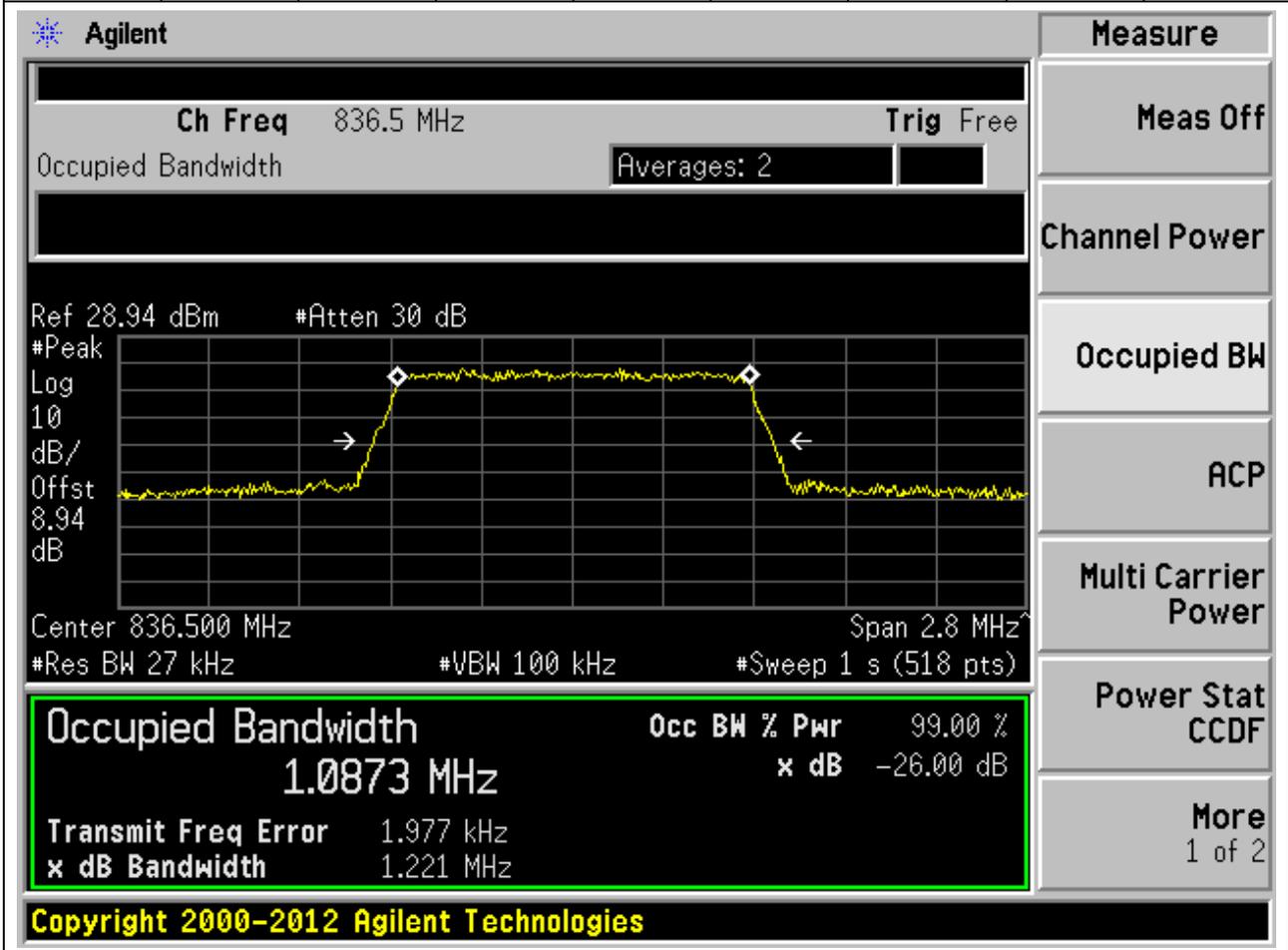
**3.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.09	1.23	1.4	Pass



**3.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:1.4, Modulation:16QAM, RB Number:6, 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	0.027	Peak	1.09	1.22	1.4	Pass



**3.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:1.4, Modulation:64QAM, RB Number:6, 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	0.027	Peak	1.09	1.22	1.4	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 836.500 MHz Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.0864 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-78.528 Hz
<b>x dB Bandwidth</b>		1.220 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:1.4, Modulation:256QAM, RB Number:6, 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	0.027	Peak	1.08	1.22	1.4	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:

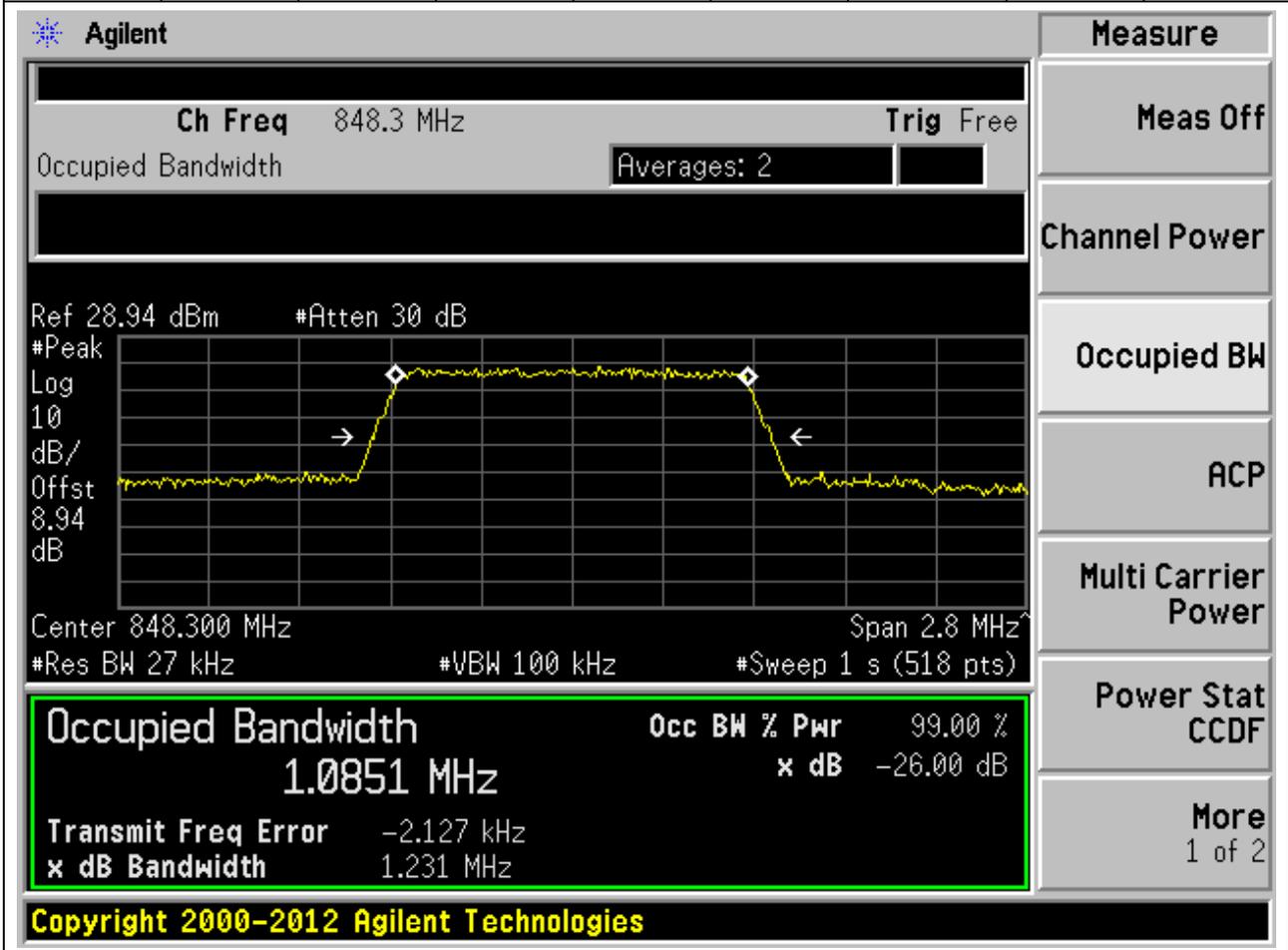
Measurement	Value
Occupied Bandwidth	1.0817 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	678.055 Hz
x dB Bandwidth	1.223 MHz

Additional parameters shown in the interface include: Ch Freq 836.5 MHz, Trig Free, Averages: 2, Ref 28.94 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 836.500 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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**3.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20643, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass



**3.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20643, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass

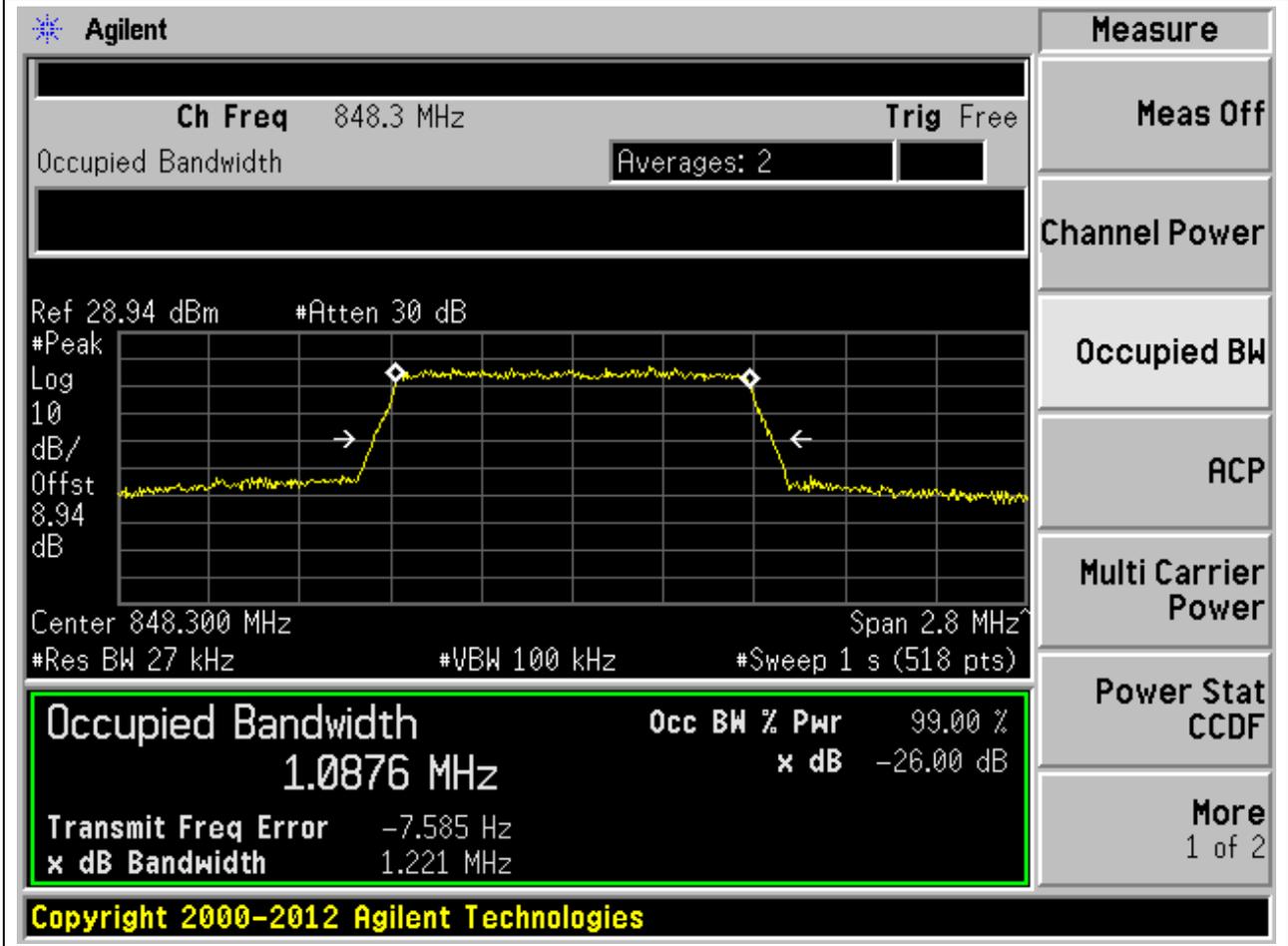
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 848.3 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.94 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 8.94 dB, Center 848.300 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, and #Sweep 1 s (518 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>1.0871 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		1.443 kHz
<b>x dB Bandwidth</b>		1.219 MHz

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

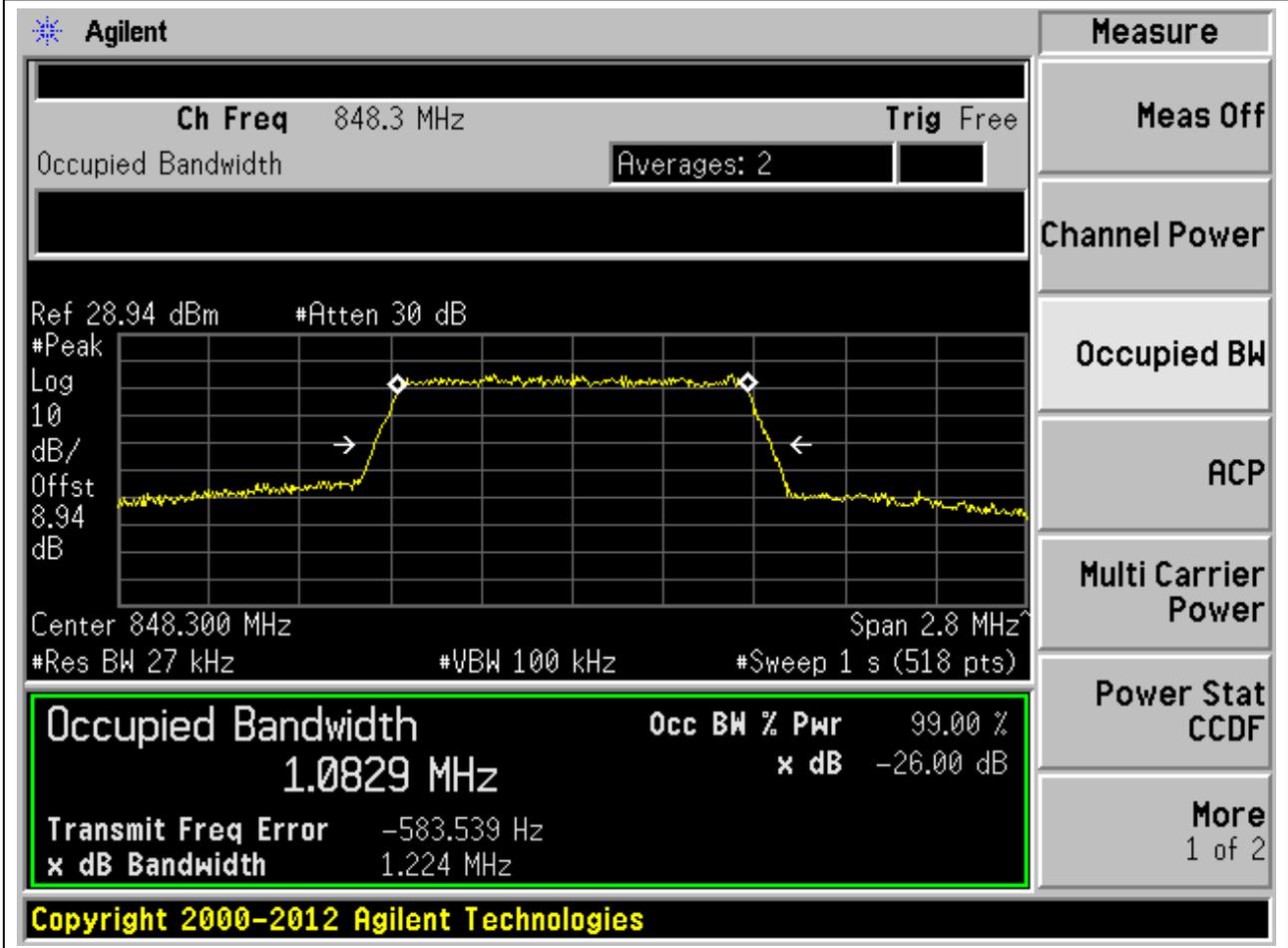
**3.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20643, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass



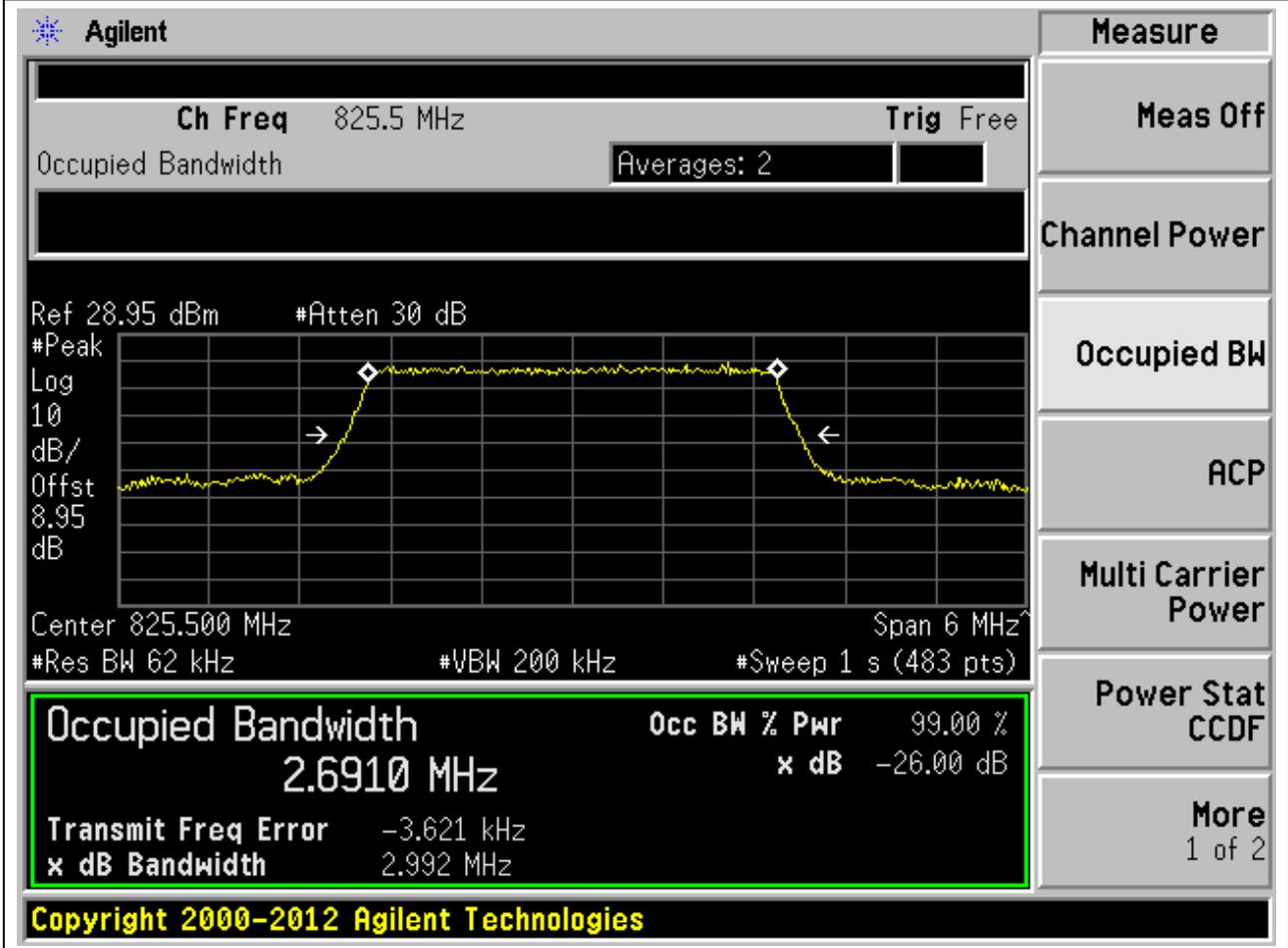
**3.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20643, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.08	1.22	1.4	Pass



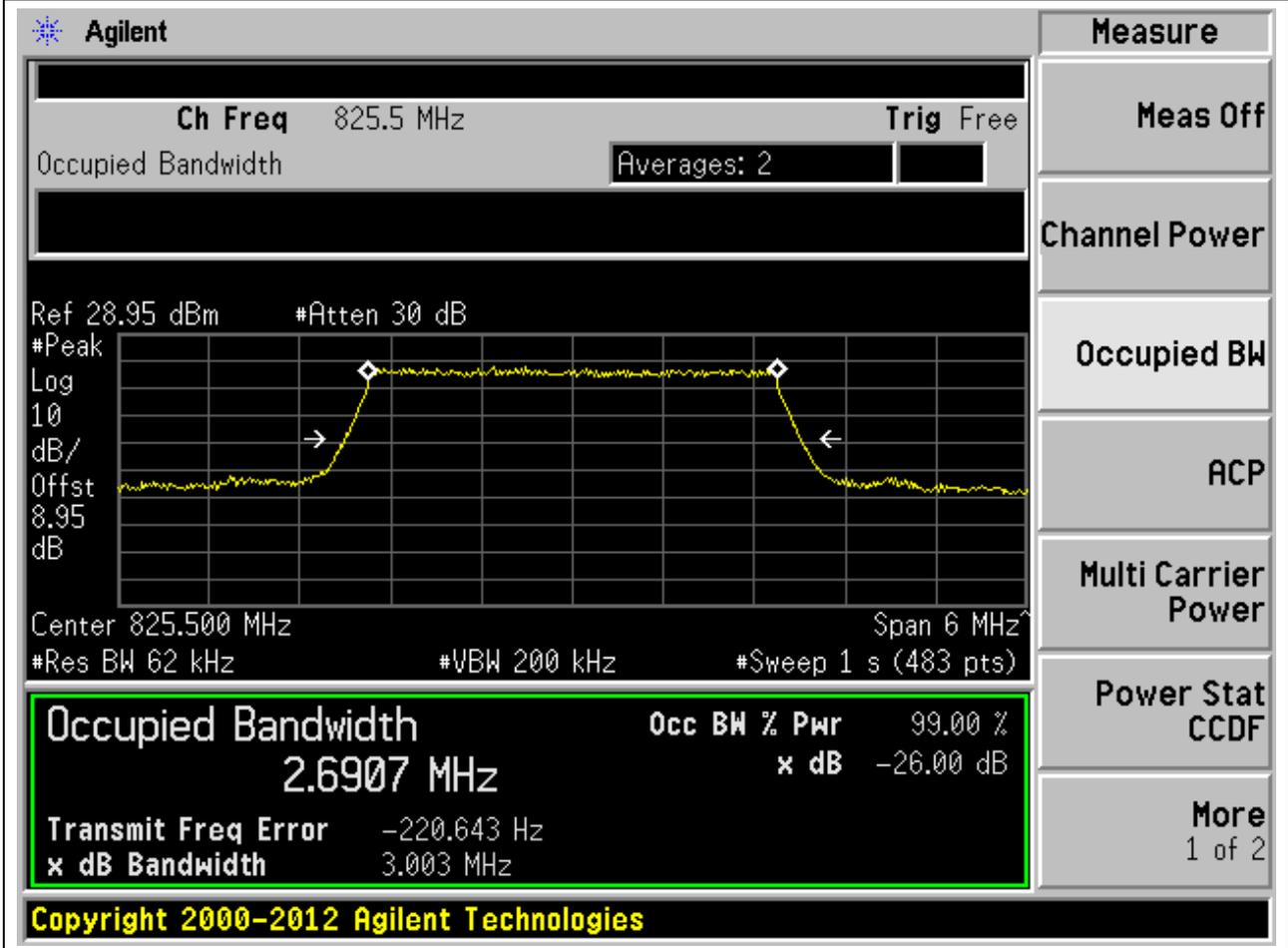
**3.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20415, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.69	2.99	3	Pass



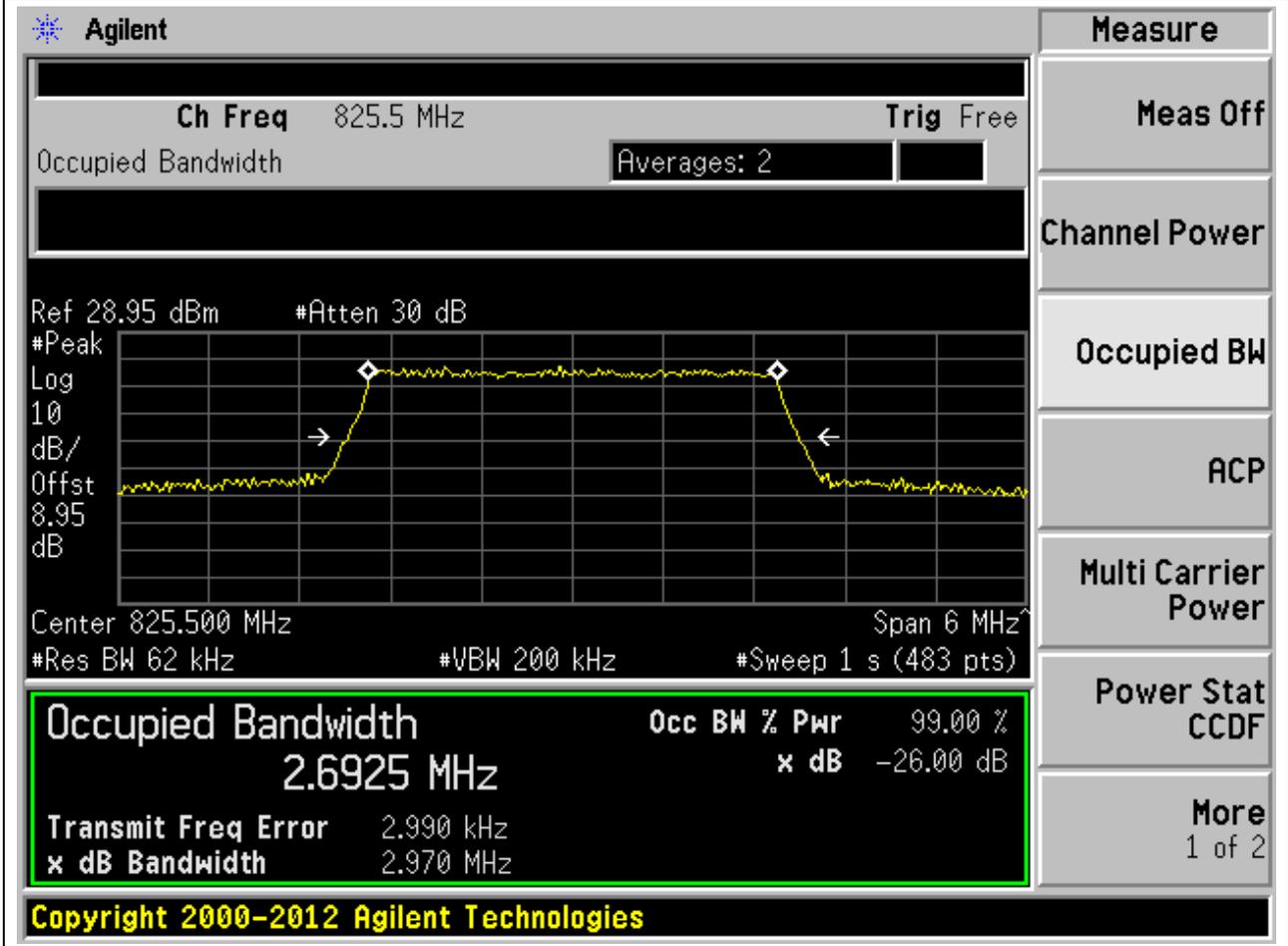
**3.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20415, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.69	3	3	Pass



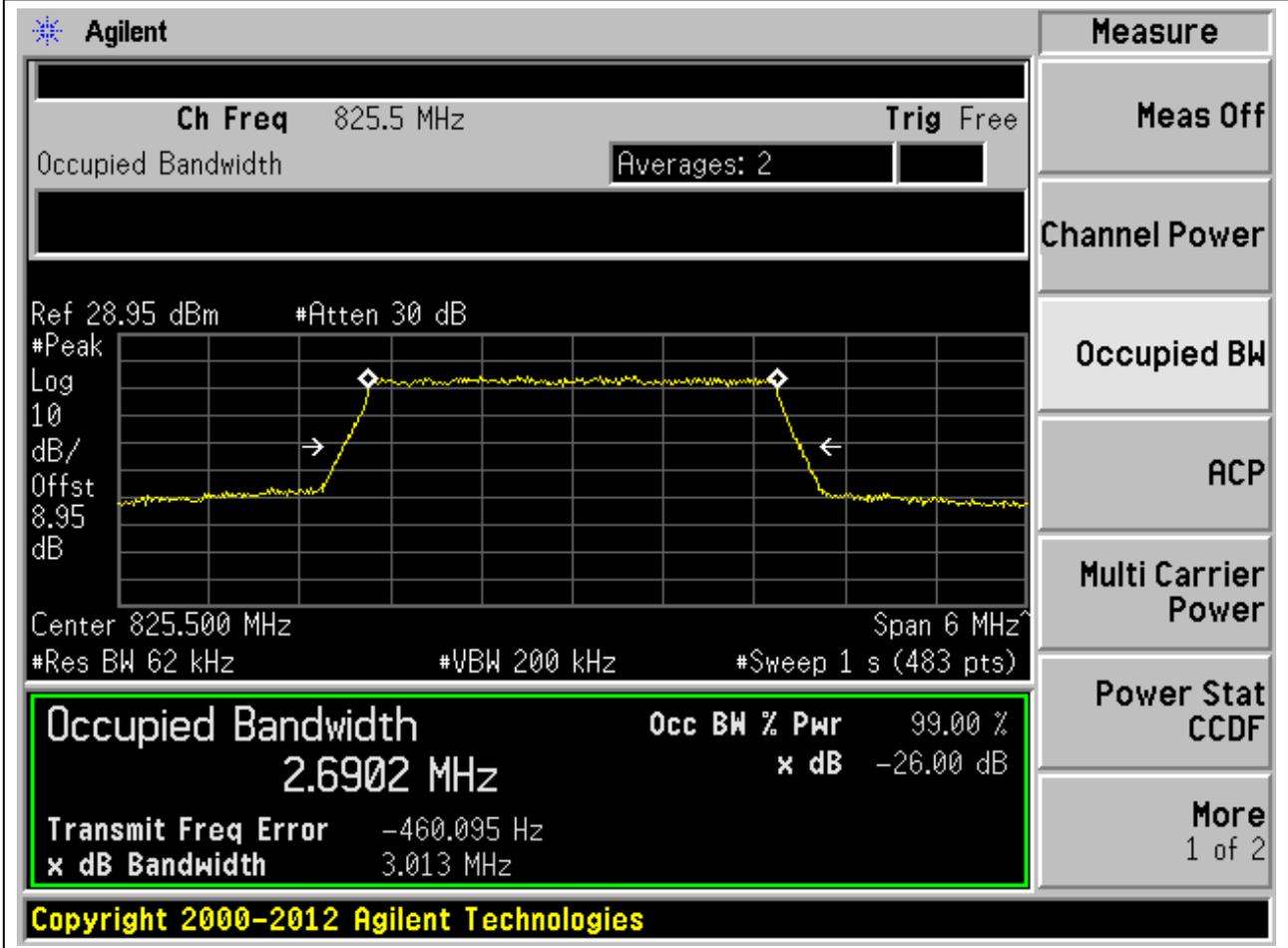
**3.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20415, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.69	2.97	3	Pass



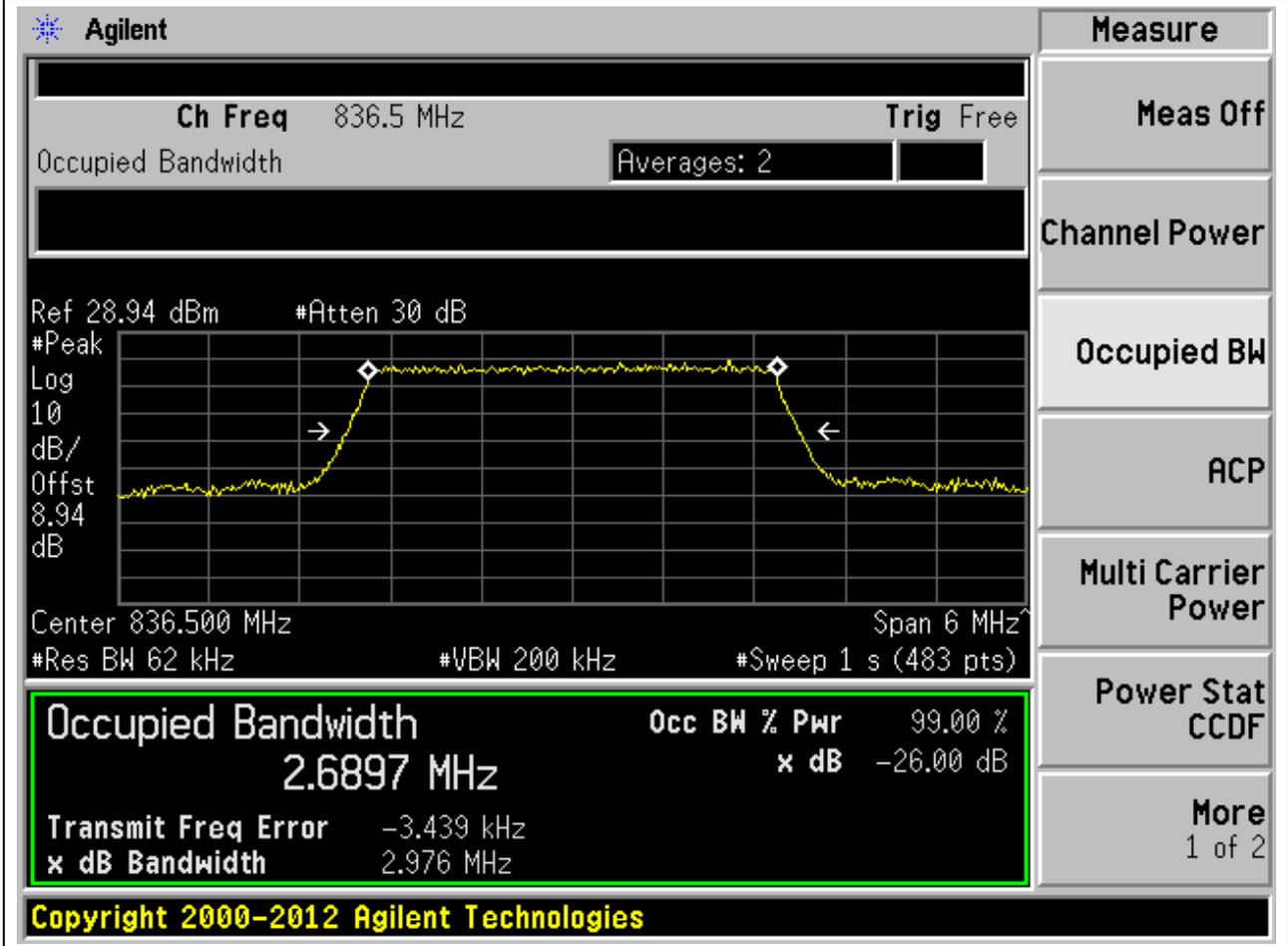
**3.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20415, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.69	3.01	3	Pass



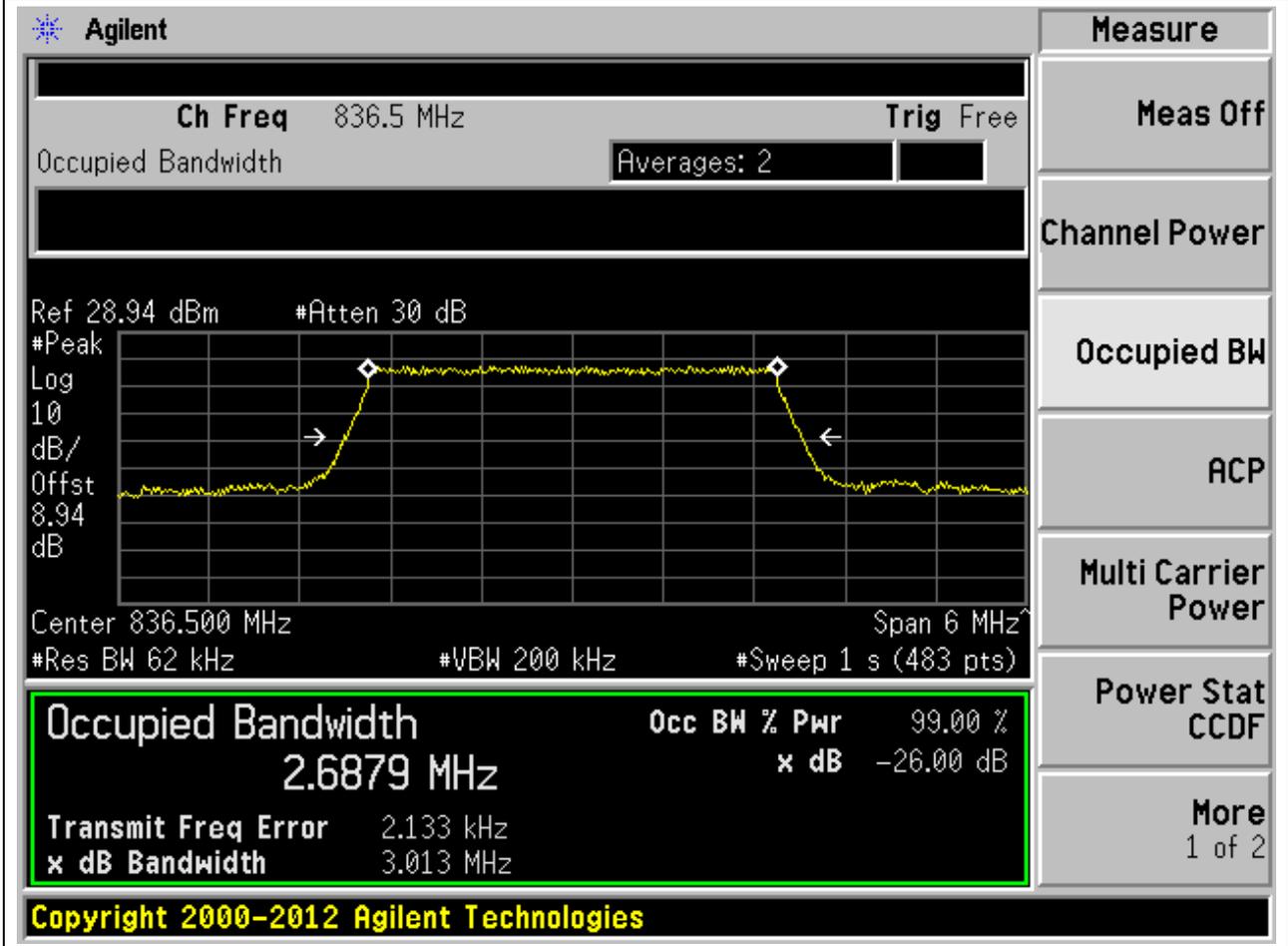
**3.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.69	2.98	3	Pass



**3.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:3, Modulation:16QAM, RB Number:15, 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	0.062	Peak	2.69	3.01	3	Pass



**3.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:3, Modulation:64QAM, RB Number:15, 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	0.062	Peak	2.69	2.99	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 6 MHz. The occupied bandwidth is measured as 2.6906 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

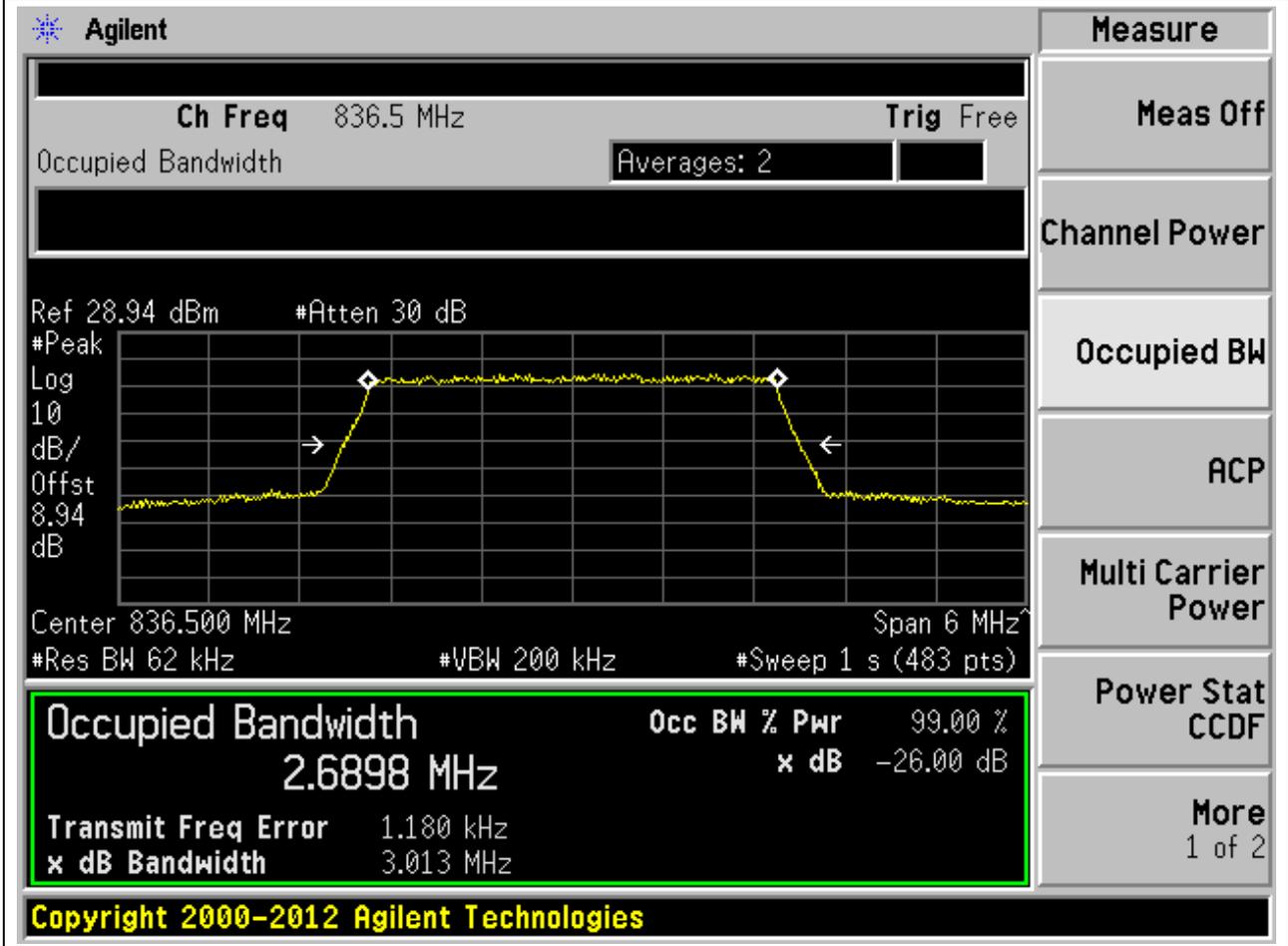
Occupied Bandwidth	Occ BW % Pwr	x dB
2.6906 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 5.041 kHz  
x dB Bandwidth: 2.987 MHz

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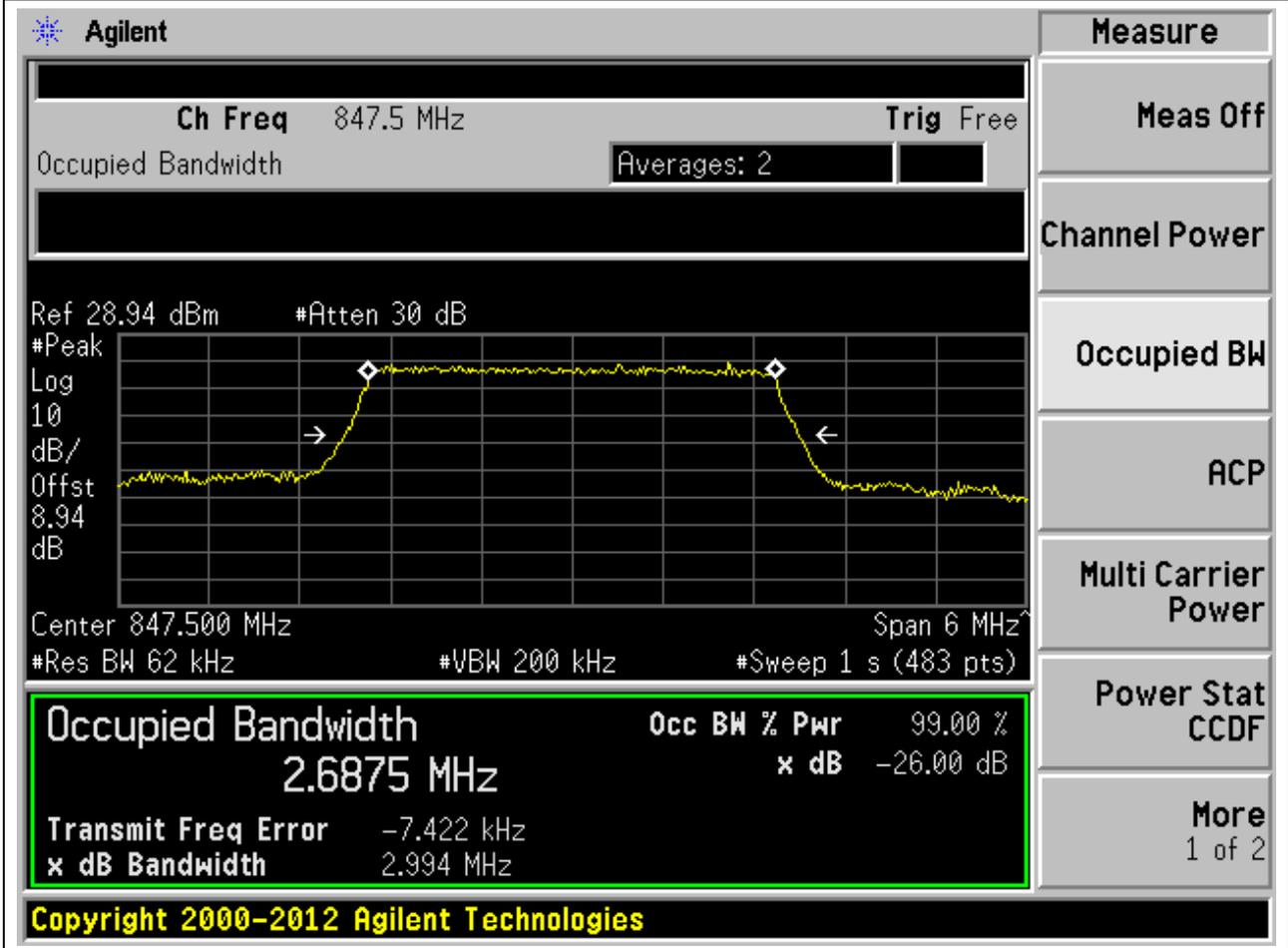
**3.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.69	3.01	3	Pass



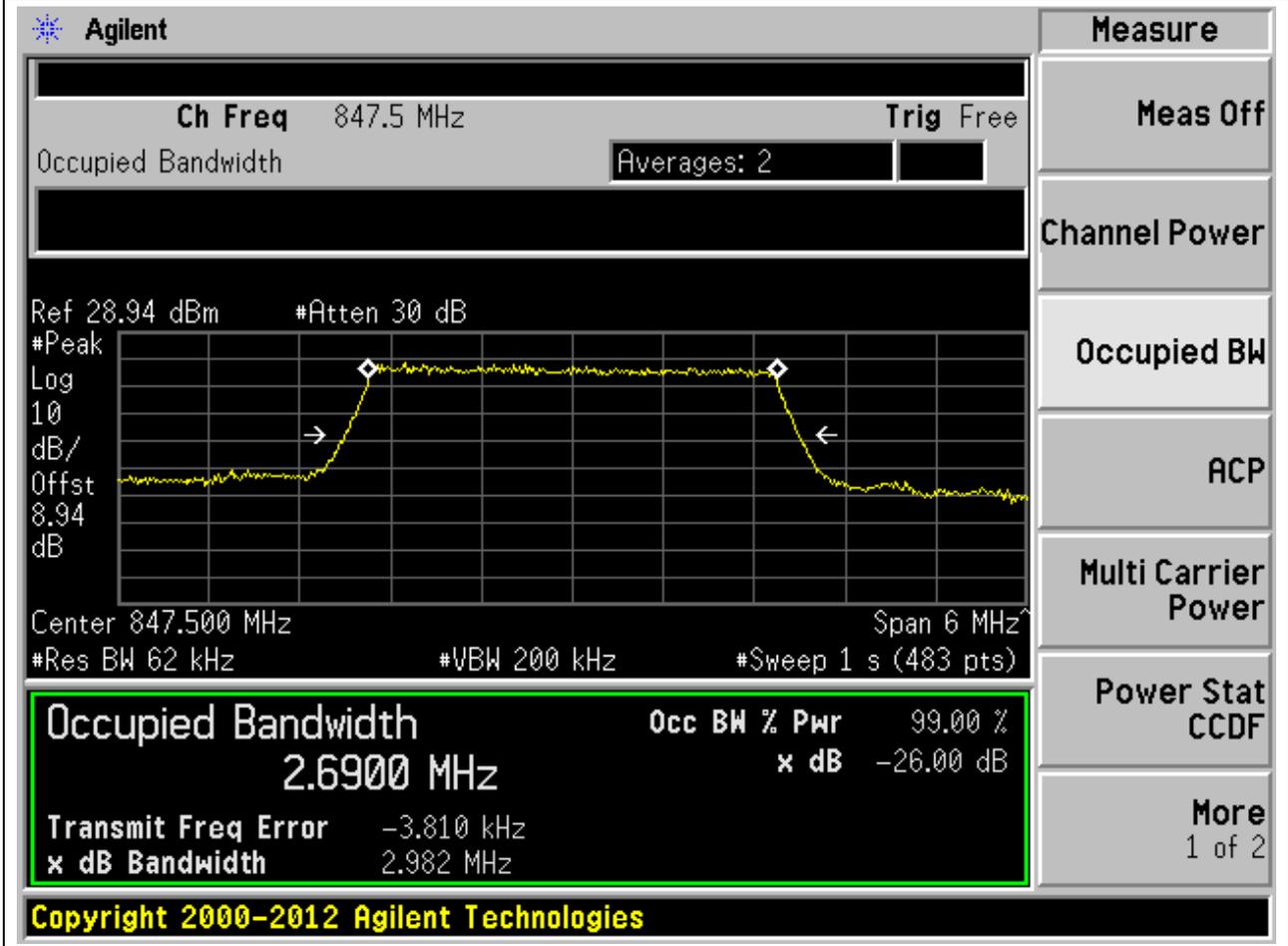
**3.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20635, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.69	2.99	3	Pass



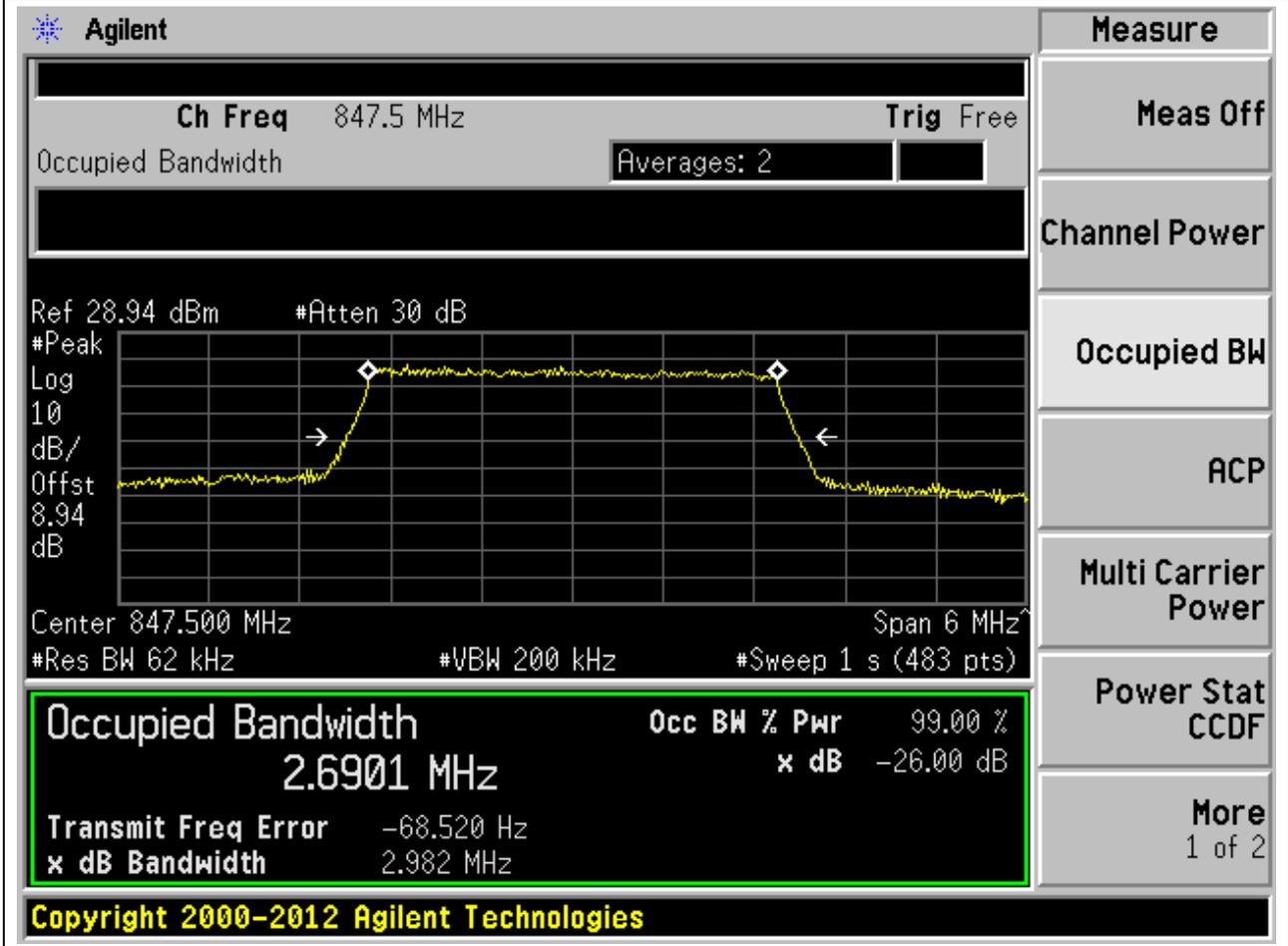
**3.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20635, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.69	2.98	3	Pass



**3.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20635, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.69	2.98	3	Pass



**3.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20635, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.7	3	3	Pass

**Agilent**

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.94 dB

Center 847.500 MHz Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6994 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-4.955 kHz
<b>x dB Bandwidth</b>		2.998 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

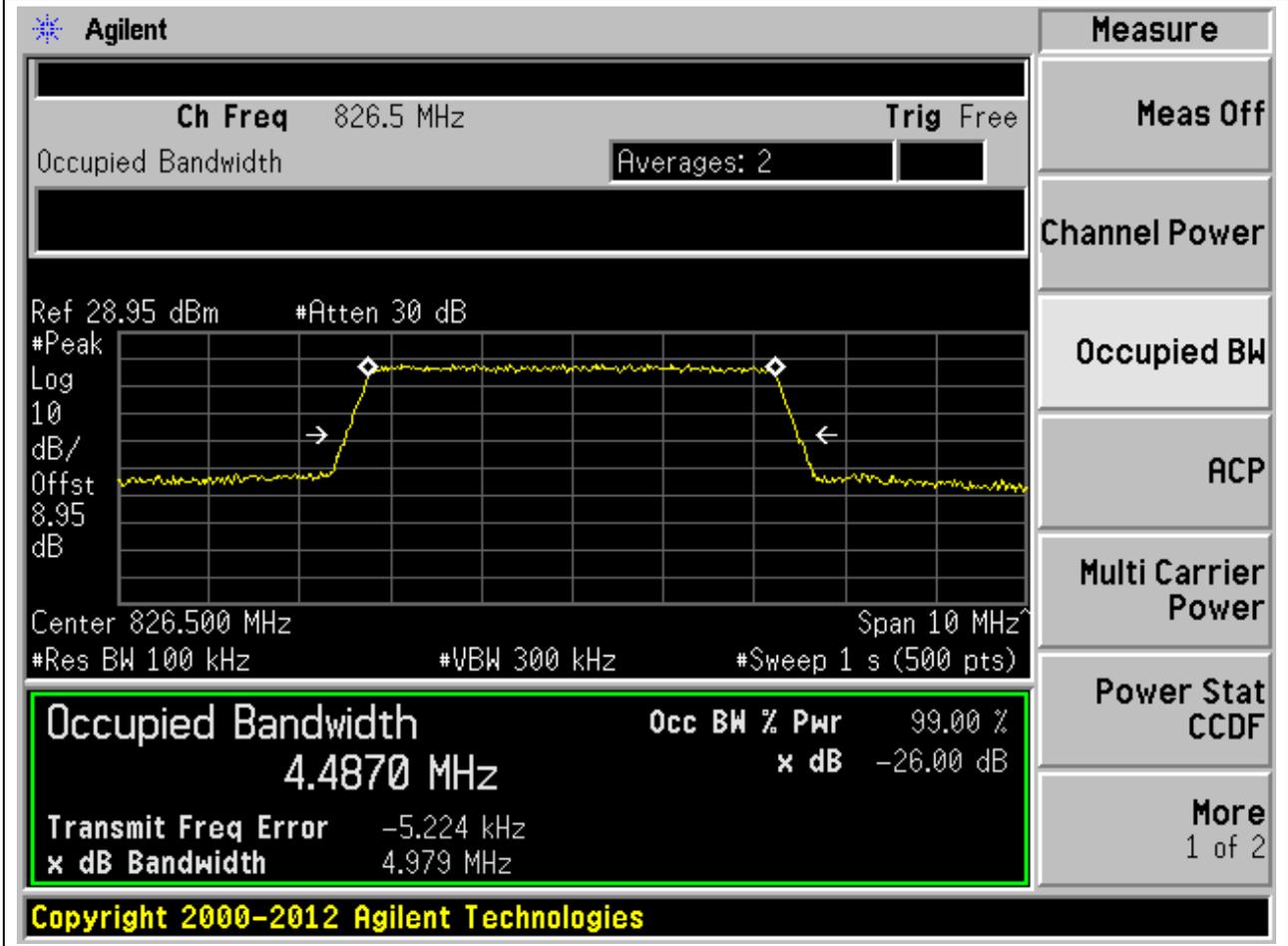
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20425, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	4.98	5	Pass



**3.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20425, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.48	4.95	5	Pass

Agilent

Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.95 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.95

dB

Center 826.500 MHz
Span 10 MHz

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

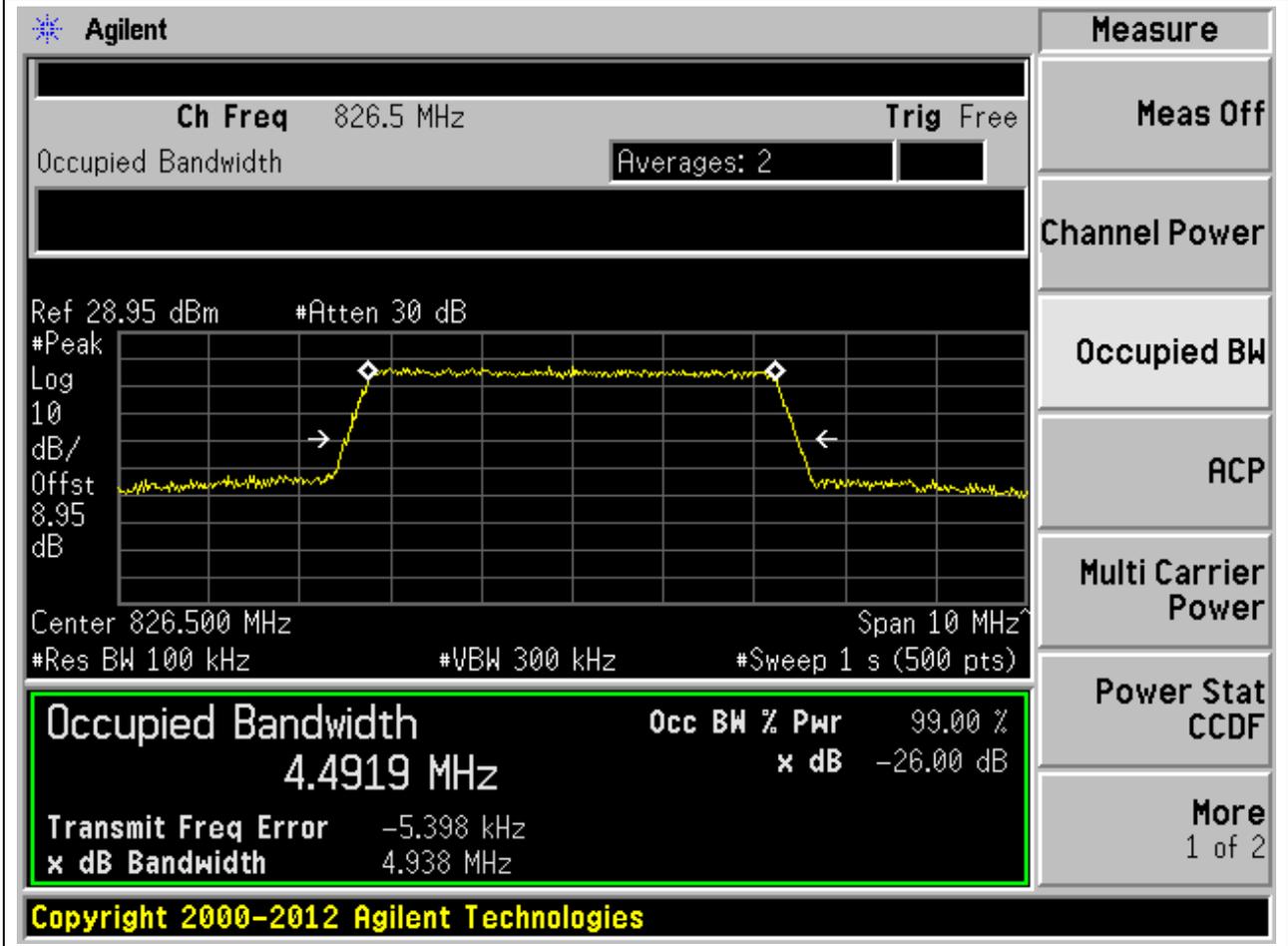
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4842 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 14.904 Hz	
<b>x dB Bandwidth</b> 4.949 MHz	

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

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**3.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20425, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

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



**3.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20425, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.48	4.9	5	Pass

**Agilent**

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 826.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4773 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.531 kHz
<b>x dB Bandwidth</b>		4.897 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

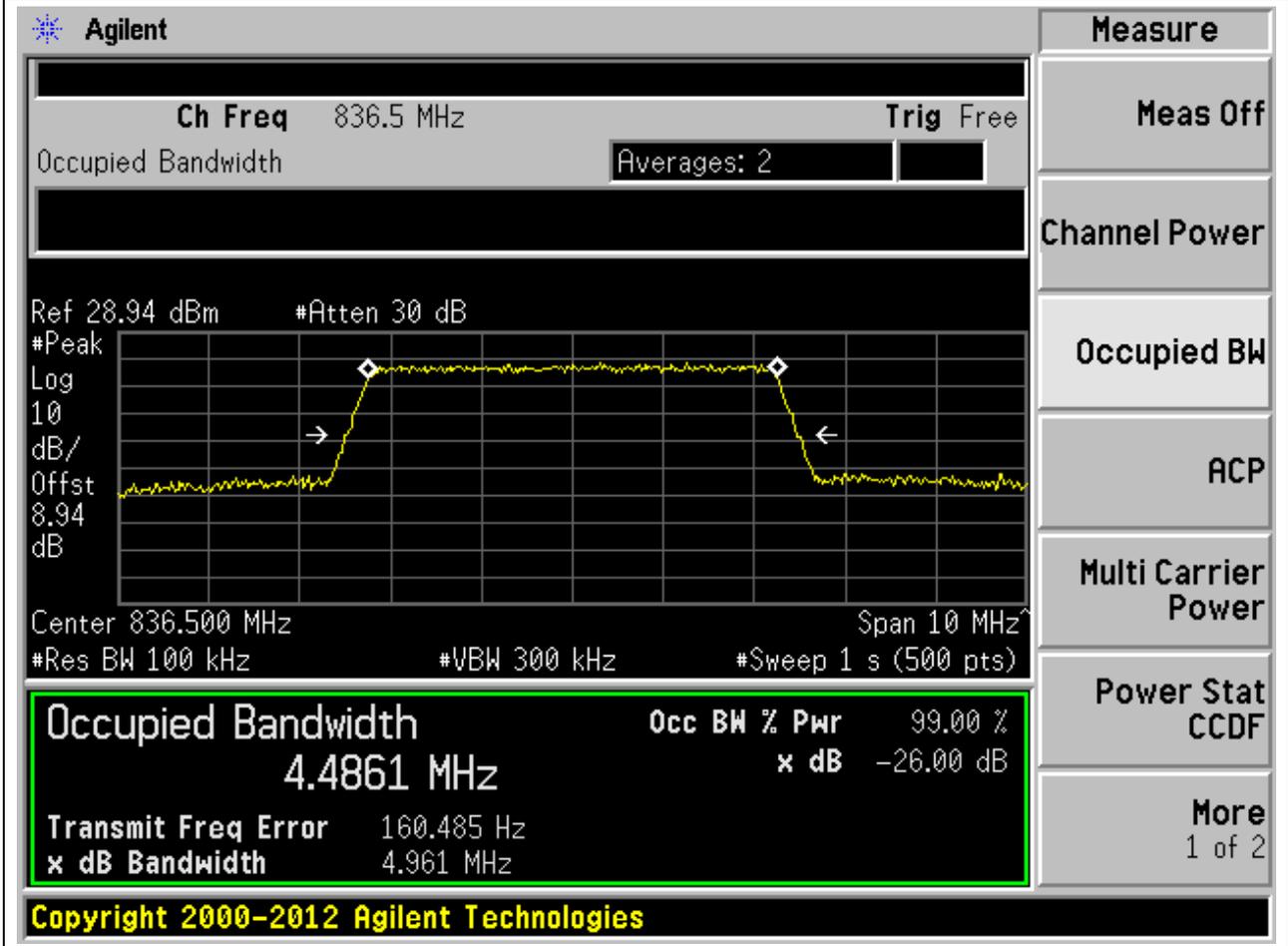
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.96	5	Pass



**3.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.92	5	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 836.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4868 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	1.656 kHz	
<b>x dB Bandwidth</b>	4.916 MHz	

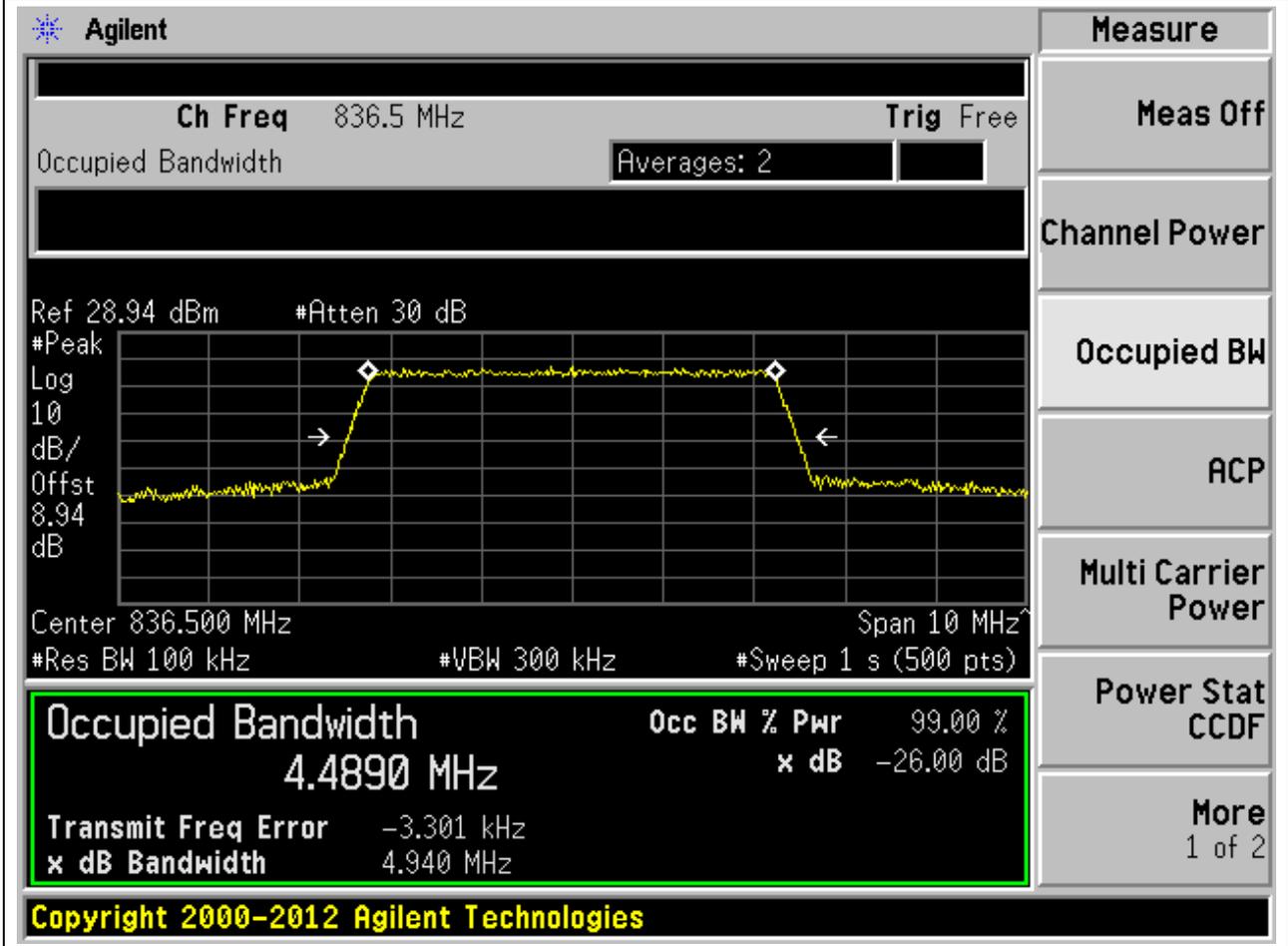
**Measure**

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

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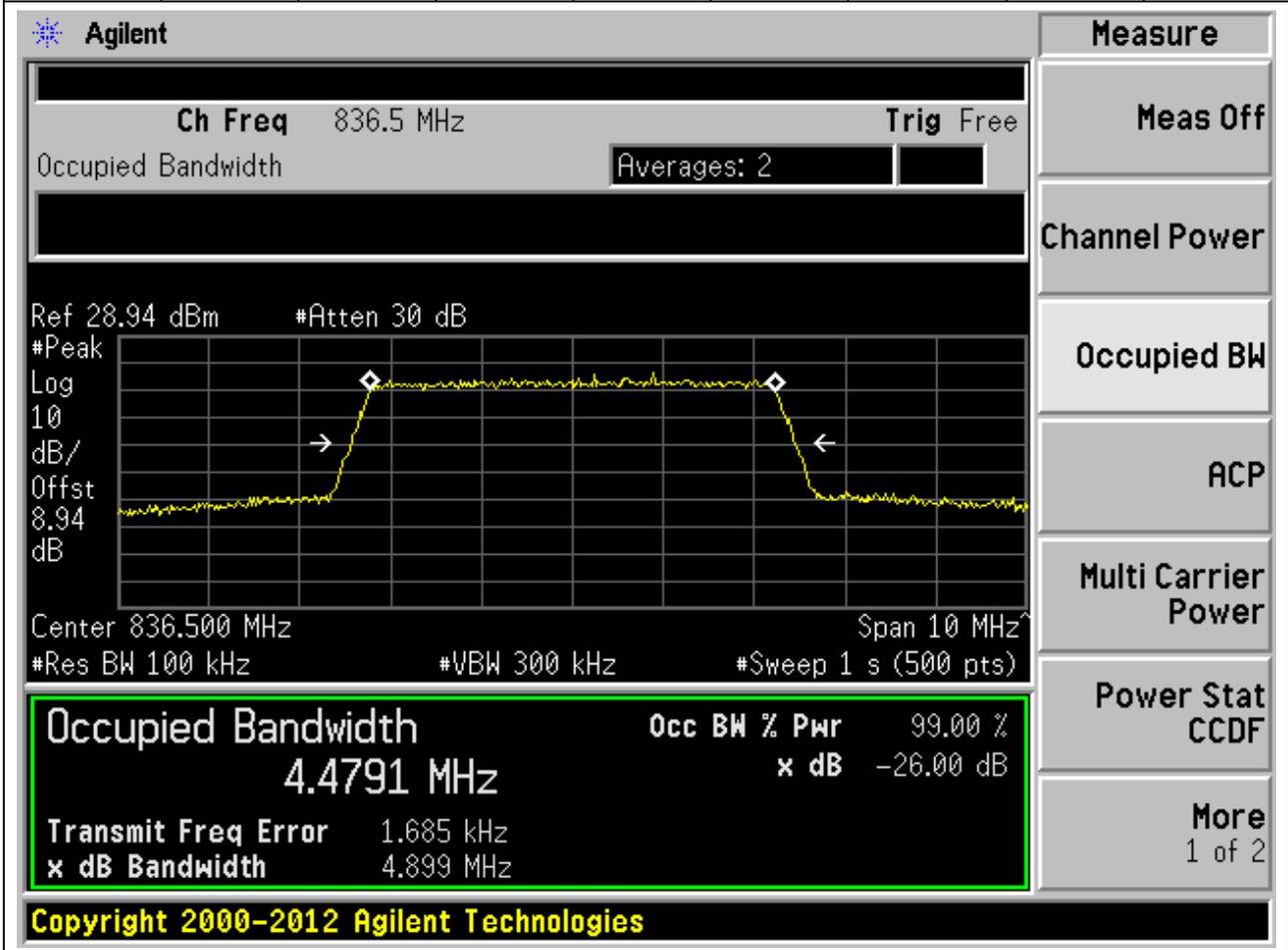
**3.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.94	5	Pass



**3.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.48	4.9	5	Pass



**3.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20625, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.48	4.98	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 846.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4827 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -13.500 kHz, and the XdB bandwidth is 4.976 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4827 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -13.500 kHz  
 x dB Bandwidth: 4.976 MHz

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**3.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20625, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.48	4.95	5	Pass

**Agilent**

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 846.500 MHz Span 10 MHz

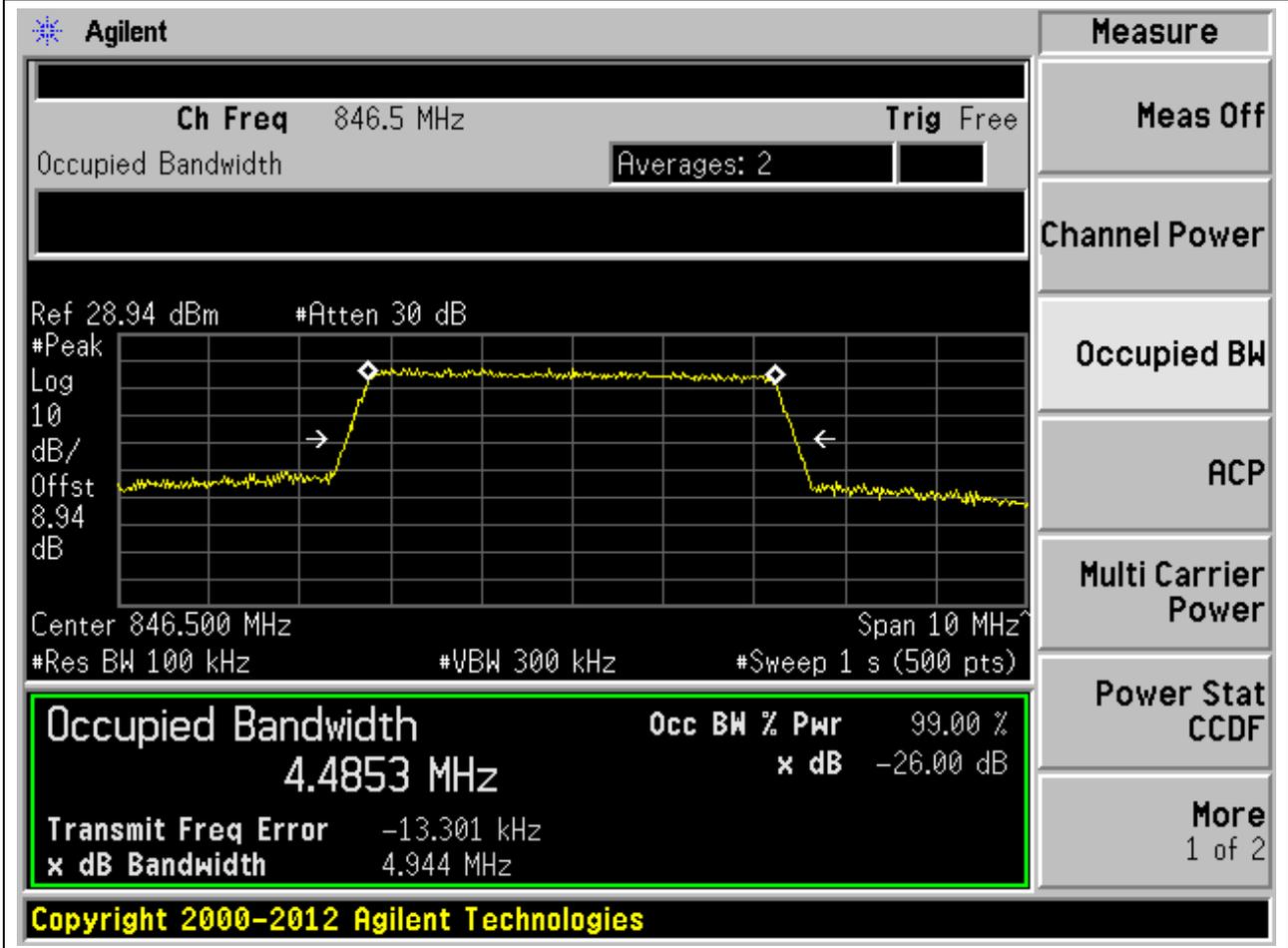
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4796 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-8.946 kHz
<b>x dB Bandwidth</b>		4.953 MHz

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**3.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20625, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	4.94	5	Pass



**3.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20625, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

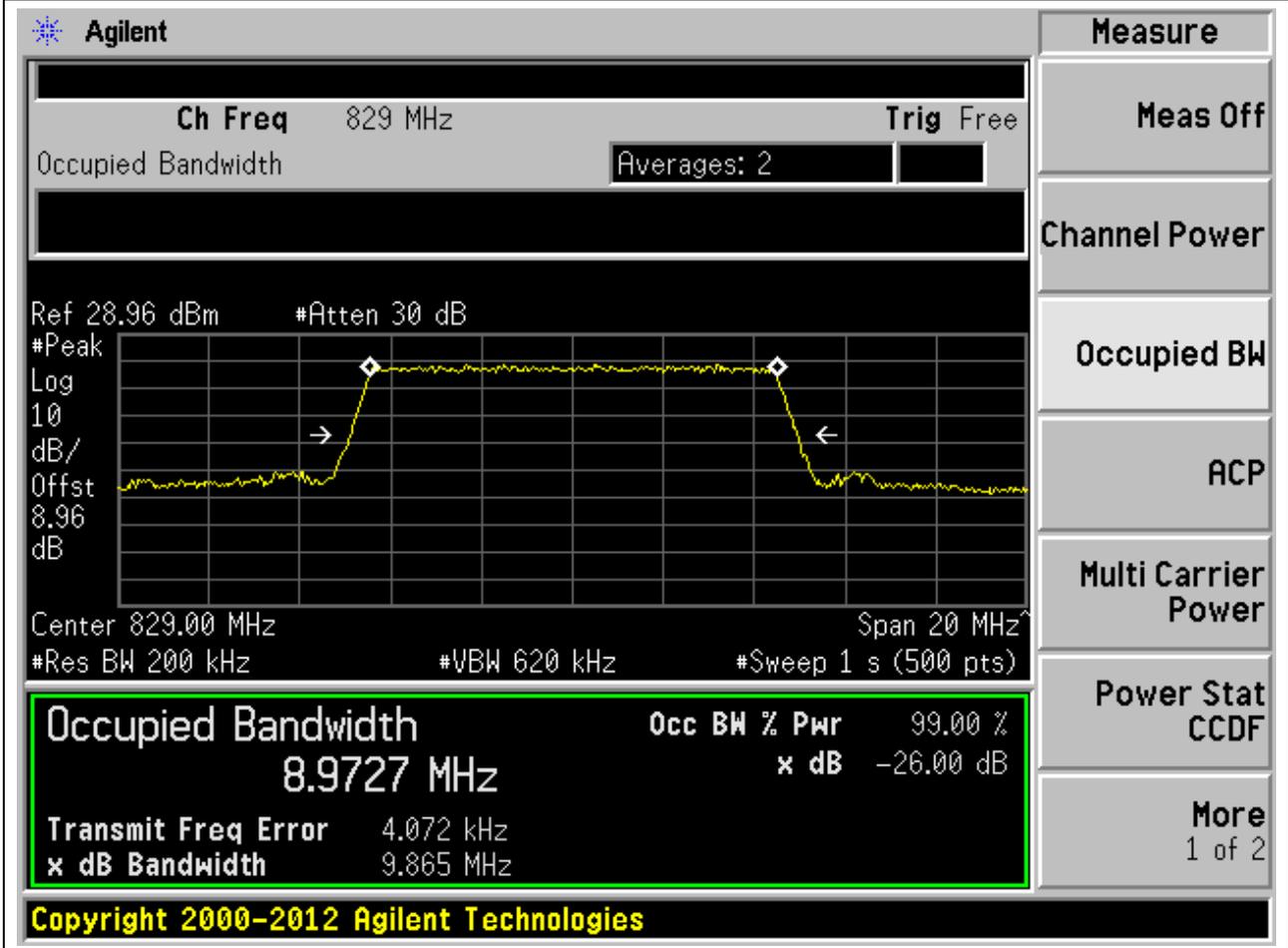
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.47	4.91	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 846.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4702 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -12.259 kHz, and the XdB bandwidth is 4.912 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4702 MHz	x dB	-26.00 dB
Transmit Freq Error	-12.259 kHz	
x dB Bandwidth	4.912 MHz	

**3.37. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.97	9.86	10	Pass



**3.38. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20450, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.93	9.76	10	Pass

**Agilent**

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.96 dB

Center 829.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9330 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-749.356 Hz
<b>x dB Bandwidth</b>		9.764 MHz

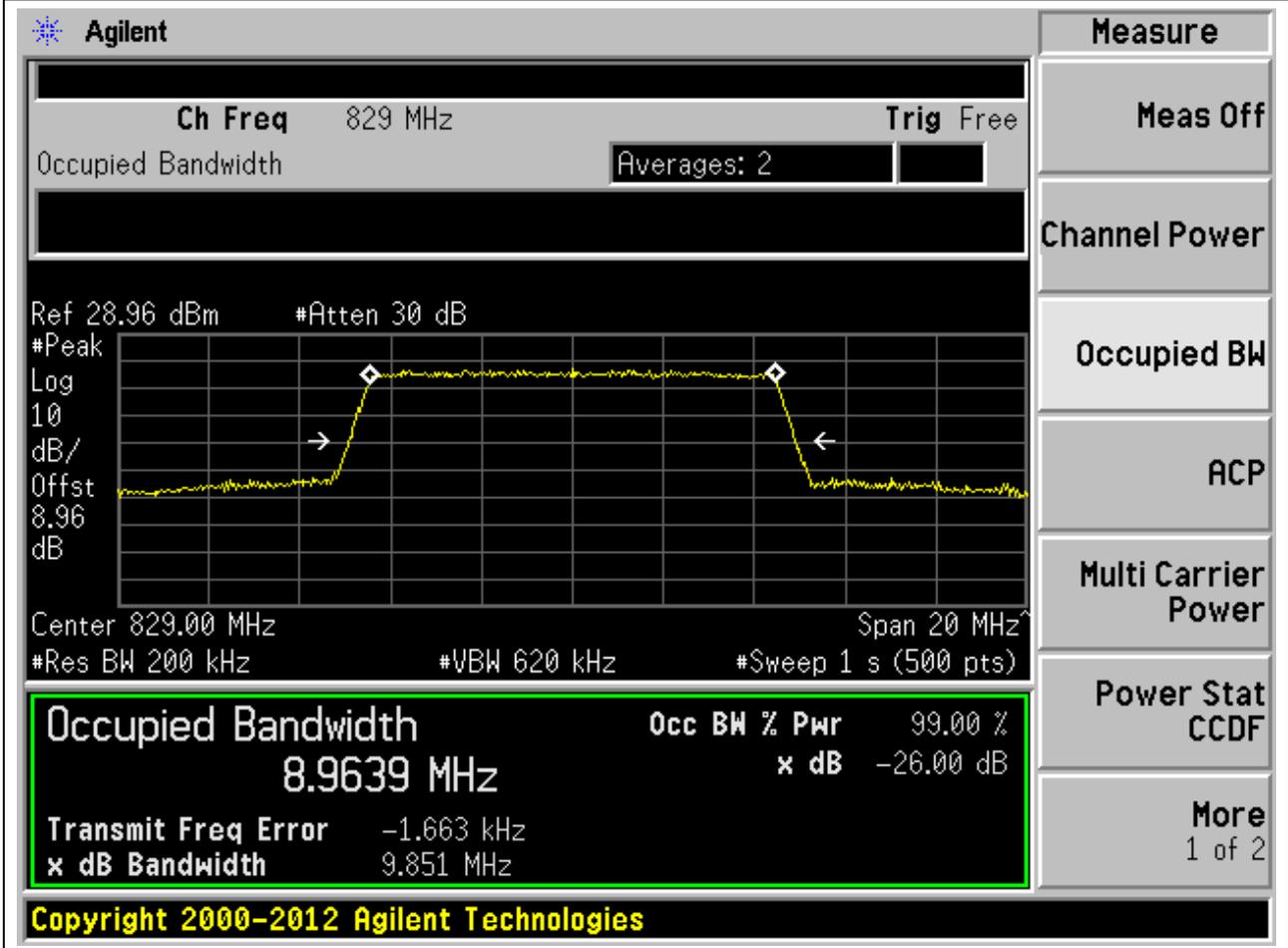
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**Measure**

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

**3.39. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20450, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.96	9.85	10	Pass



**3.40. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20450, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.96	9.74	10	Pass

**Agilent**

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.96 dB

Center 829.00 MHz Span 20 MHz

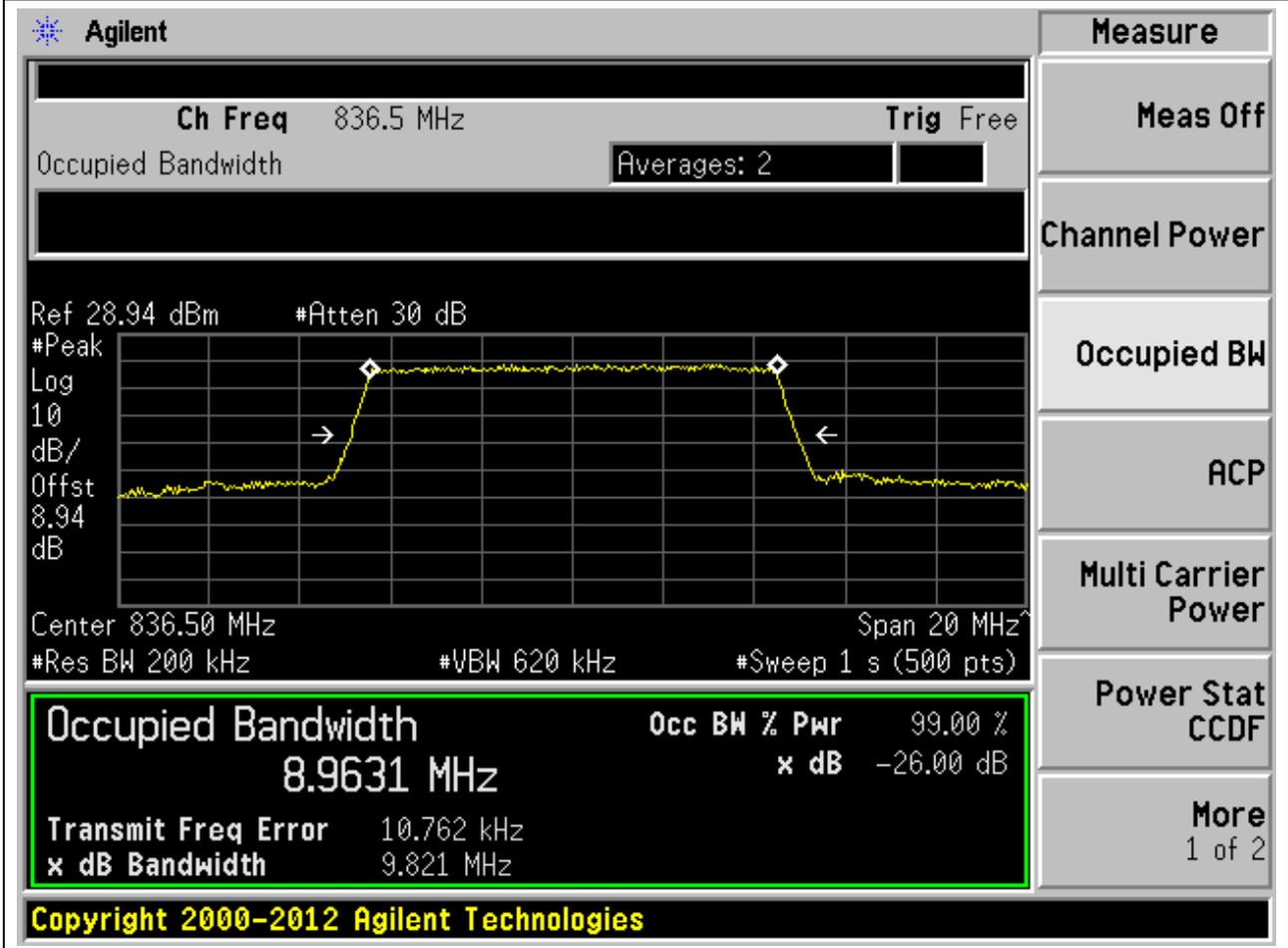
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9562 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-14.926 kHz	
<b>x dB Bandwidth</b>	9.741 MHz	

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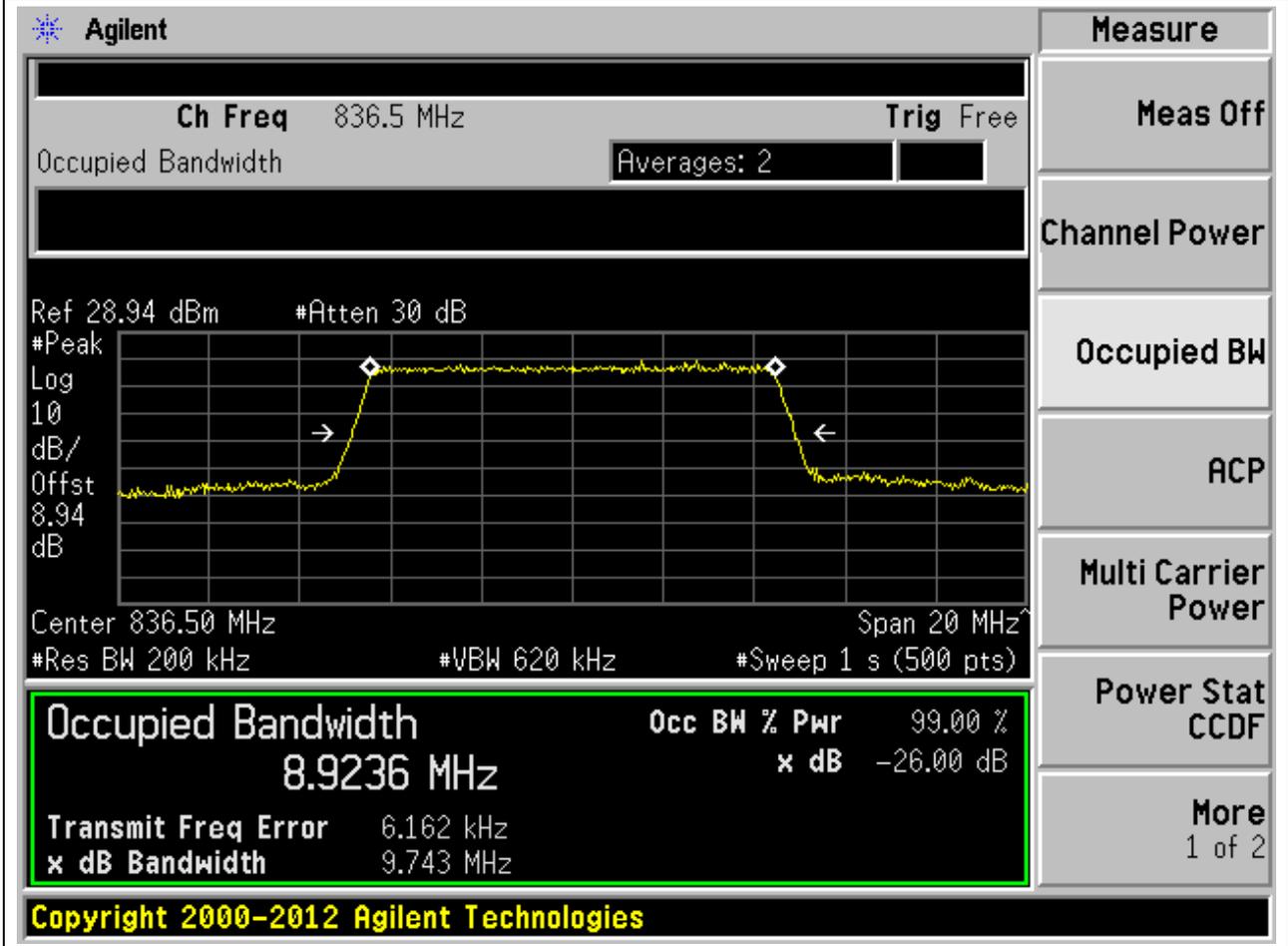
**3.41. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.96	9.82	10	Pass



**3.42. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.92	9.74	10	Pass



**3.43. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.95	9.81	10	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 836.50 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9538 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	522.404 Hz	
<b>x dB Bandwidth</b>	9.811 MHz	

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**Measure**

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

**3.44. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20525, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.94	9.75	10	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 836.50 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9396 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-2.948 kHz
<b>x dB Bandwidth</b>		9.750 MHz

**Measure**

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

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**3.45. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.94	9.77	10	Pass

**Agilent**

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 844.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9450 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-19.607 kHz
<b>x dB Bandwidth</b>		9.775 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.46. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20600, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.9	9.75	10	Pass

**Agilent**

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 844.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.8987 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-22.384 kHz
<b>x dB Bandwidth</b>		9.747 MHz

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**Measure**

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

**3.47. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20600, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.93	9.78	10	Pass

**Agilent**

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 844.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9342 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-22.887 kHz
<b>x dB Bandwidth</b>		9.780 MHz

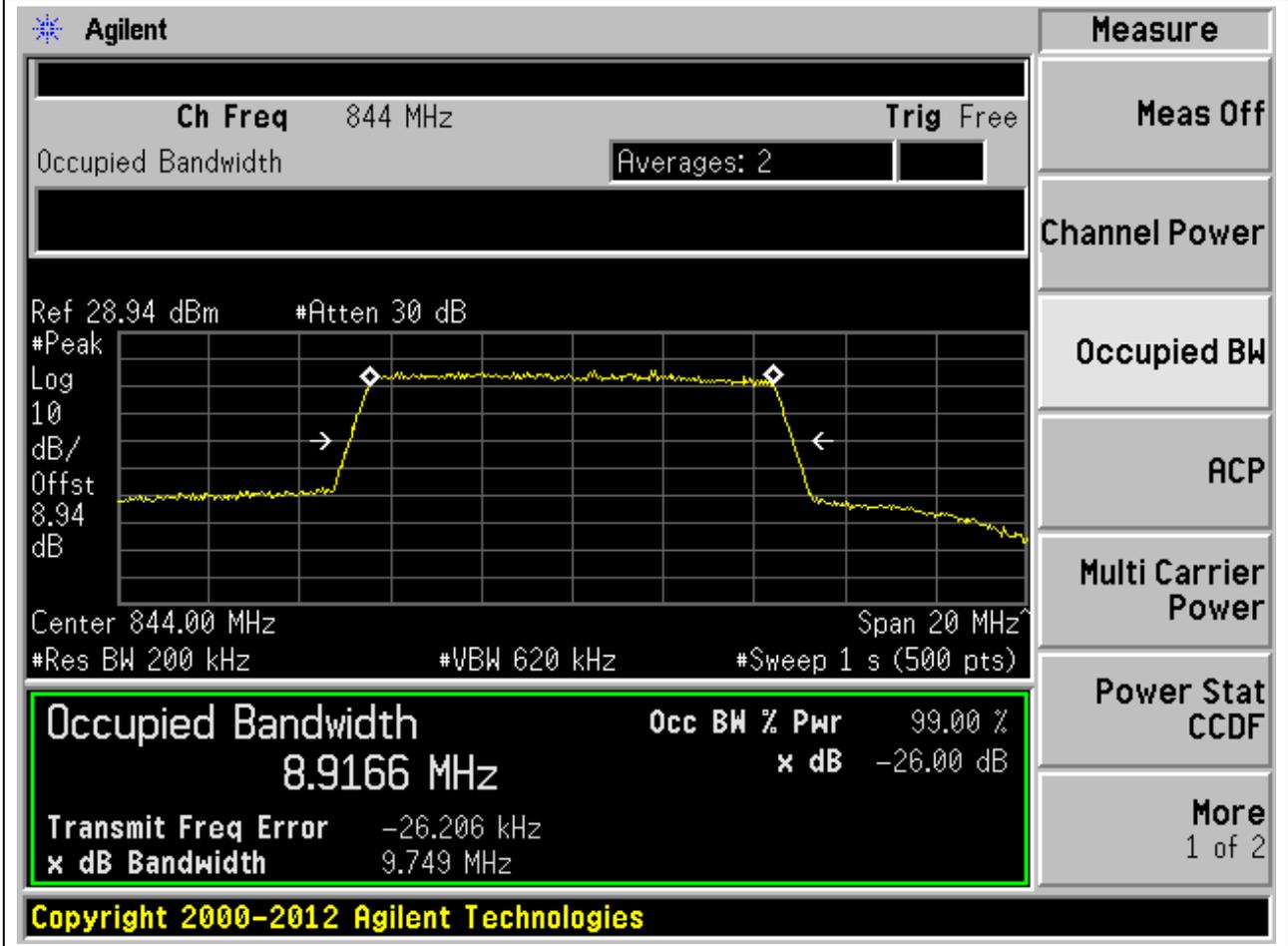
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**Measure**

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

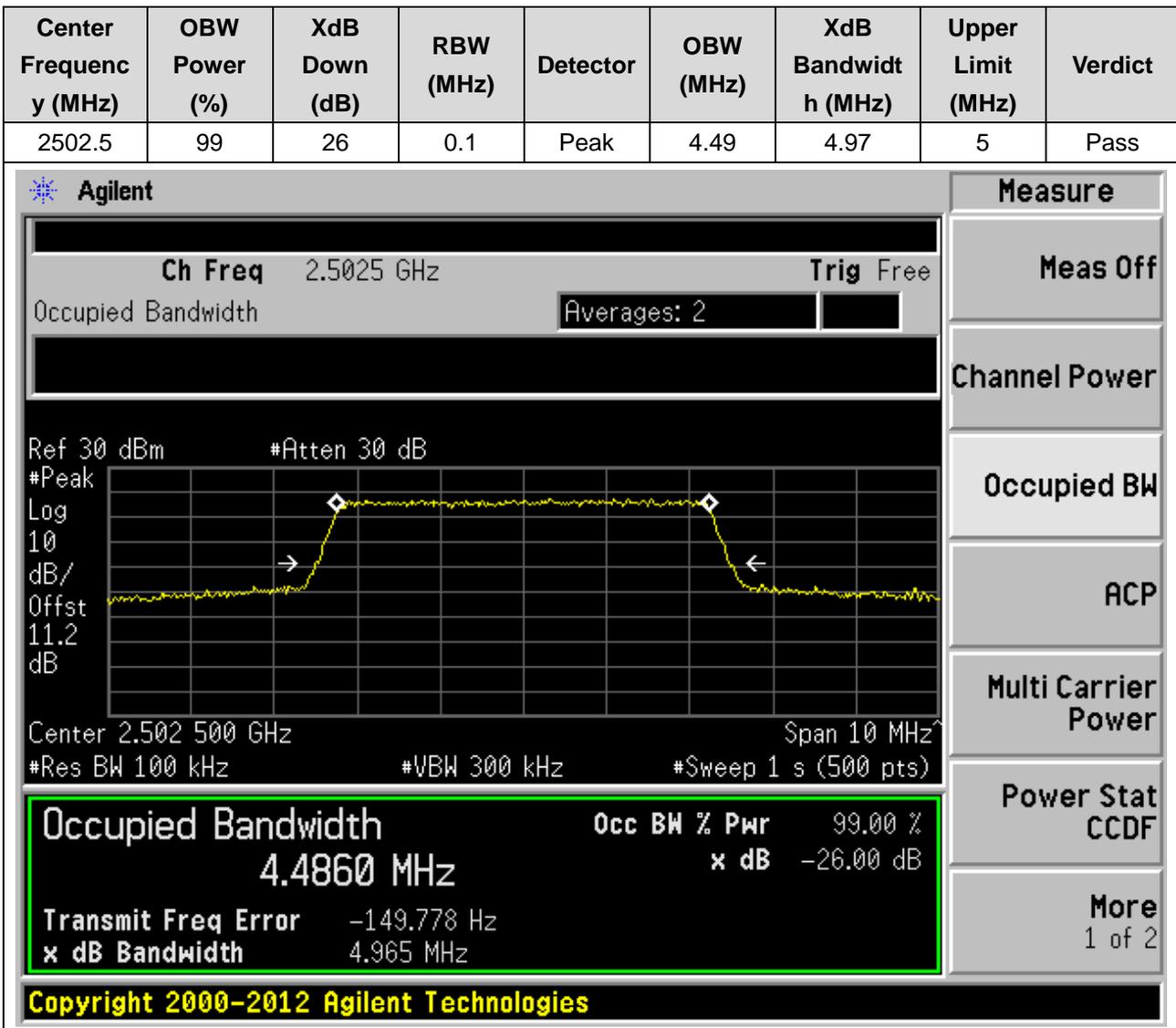
**3.48. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20600, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.92	9.75	10	Pass



## 4. LTE\_Band7

### 4.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



**4.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20775, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.48	4.96	5	Pass

Agilent

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

Ch Freq 2.5025 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.2 dB

Center 2.502 500 GHz Span 10 MHz

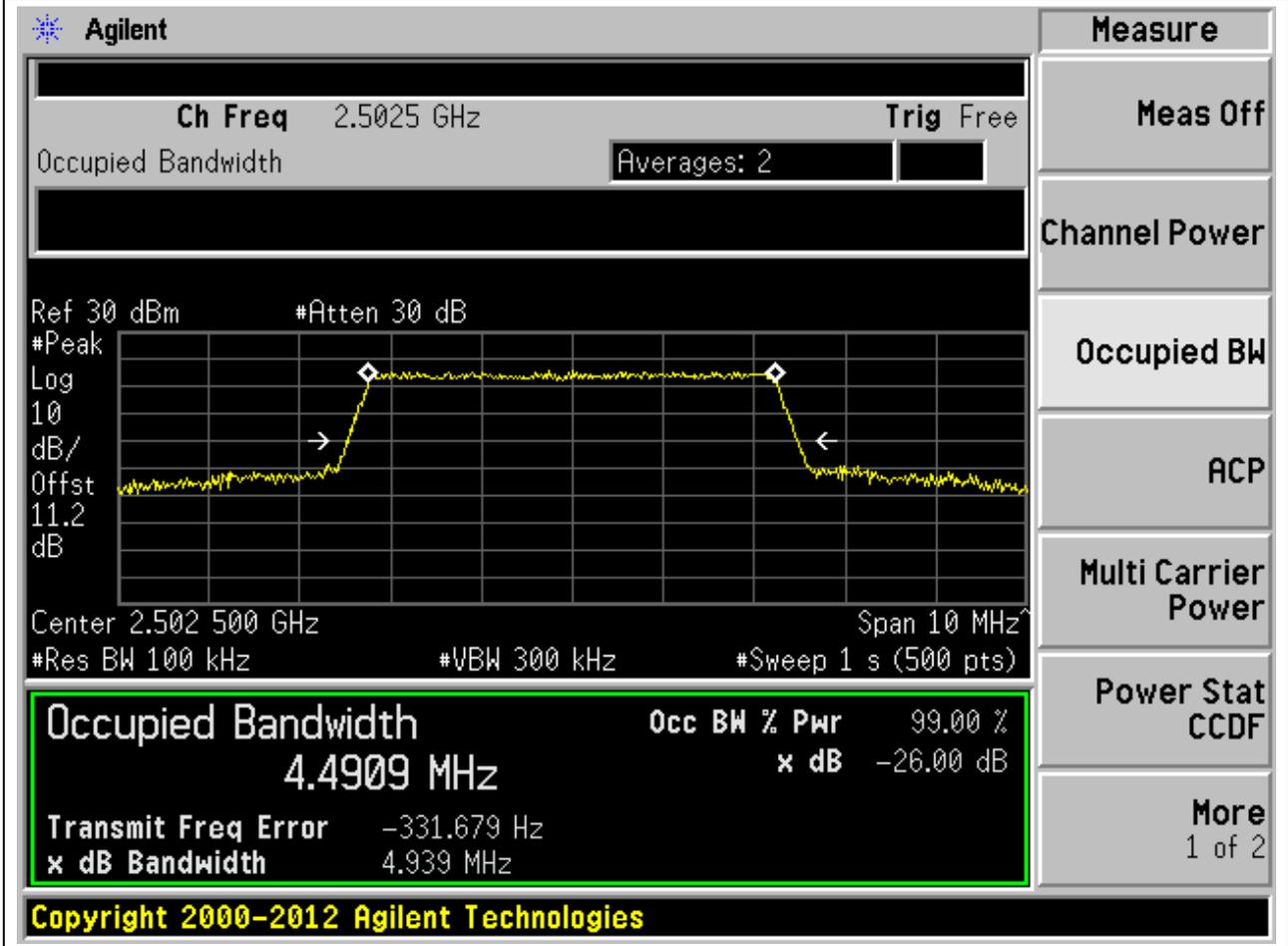
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4842 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 4.309 kHz	
<b>x dB Bandwidth</b> 4.955 MHz	

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**4.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20775, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.49	4.94	5	Pass



**4.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20775, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.48	4.91	5	Pass

Agilent

Measure

Ch Freq 2.5025 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.2

dB

Center 2.502 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4803 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 2.727 kHz	
<b>x dB Bandwidth</b> 4.909 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**4.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.49	4.98	5	Pass

**Agilent**

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.3 dB

Center 2.535 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4875 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.344 kHz
<b>x dB Bandwidth</b>		4.985 MHz

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**4.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.49	4.95	5	Pass

**Agilent**

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.3 dB

Center 2.535 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4888 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.844 kHz
<b>x dB Bandwidth</b>		4.950 MHz

**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

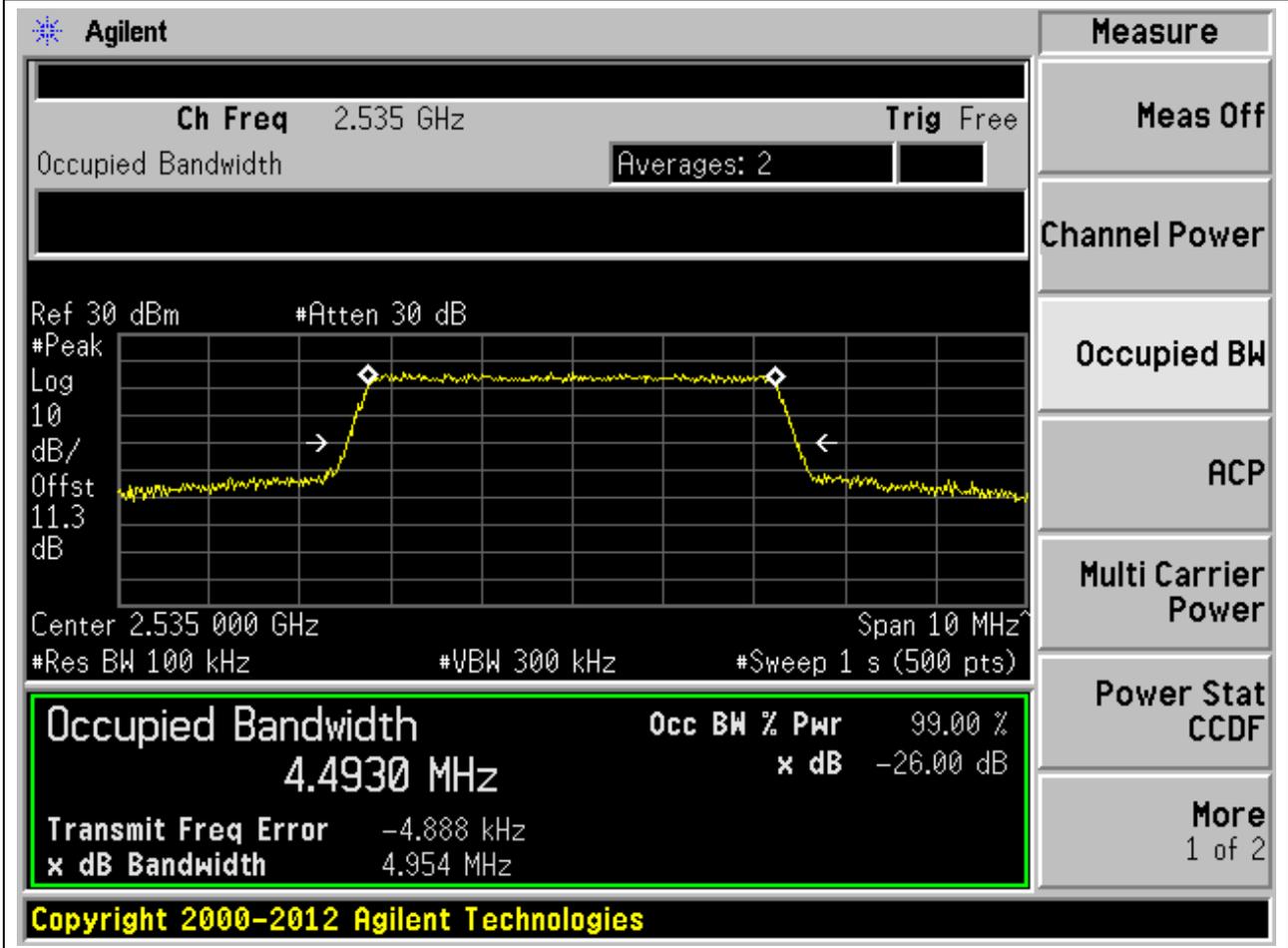
Power Stat CCDF

More 1 of 2

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**4.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.49	4.95	5	Pass



**4.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.48	4.92	5	Pass

**Agilent**

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.535 000 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4806 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	723.576 Hz	
<b>x dB Bandwidth</b>	4.917 MHz	

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**4.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.5	4.99	5	Pass

Agilent

Measure

Ch Freq 2.5675 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

dB

Center 2.567 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4968 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -4.235 kHz	
<b>x dB Bandwidth</b> 4.990 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**4.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21425, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.48	4.96	5	Pass

Agilent

Measure

Ch Freq 2.5675 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

dB

Center 2.567 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4847 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -53.468 Hz	
<b>x dB Bandwidth</b> 4.959 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

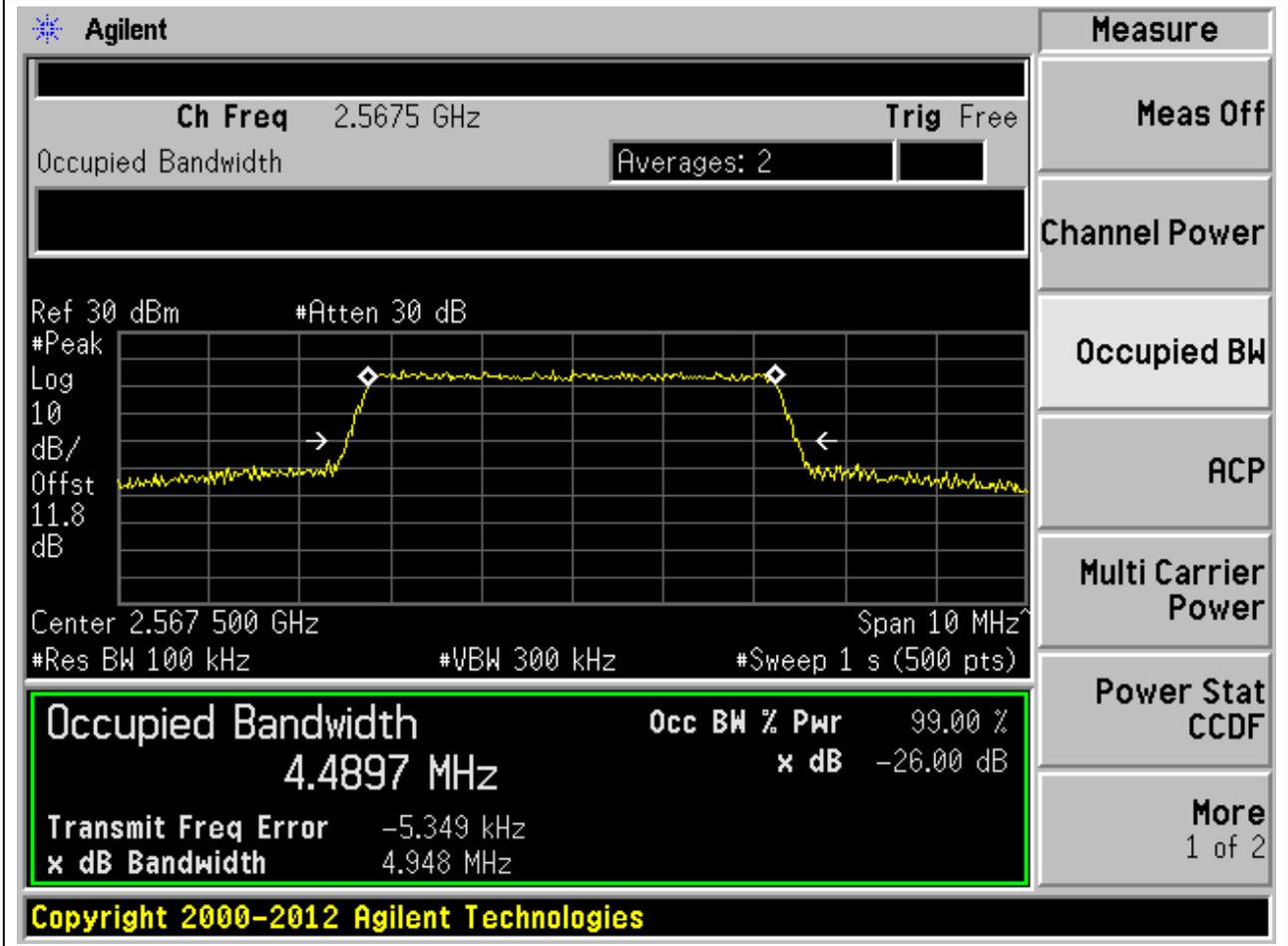
Power Stat CCDF

More  
1 of 2

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**4.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21425, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.49	4.95	5	Pass



**4.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21425, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.48	4.91	5	Pass

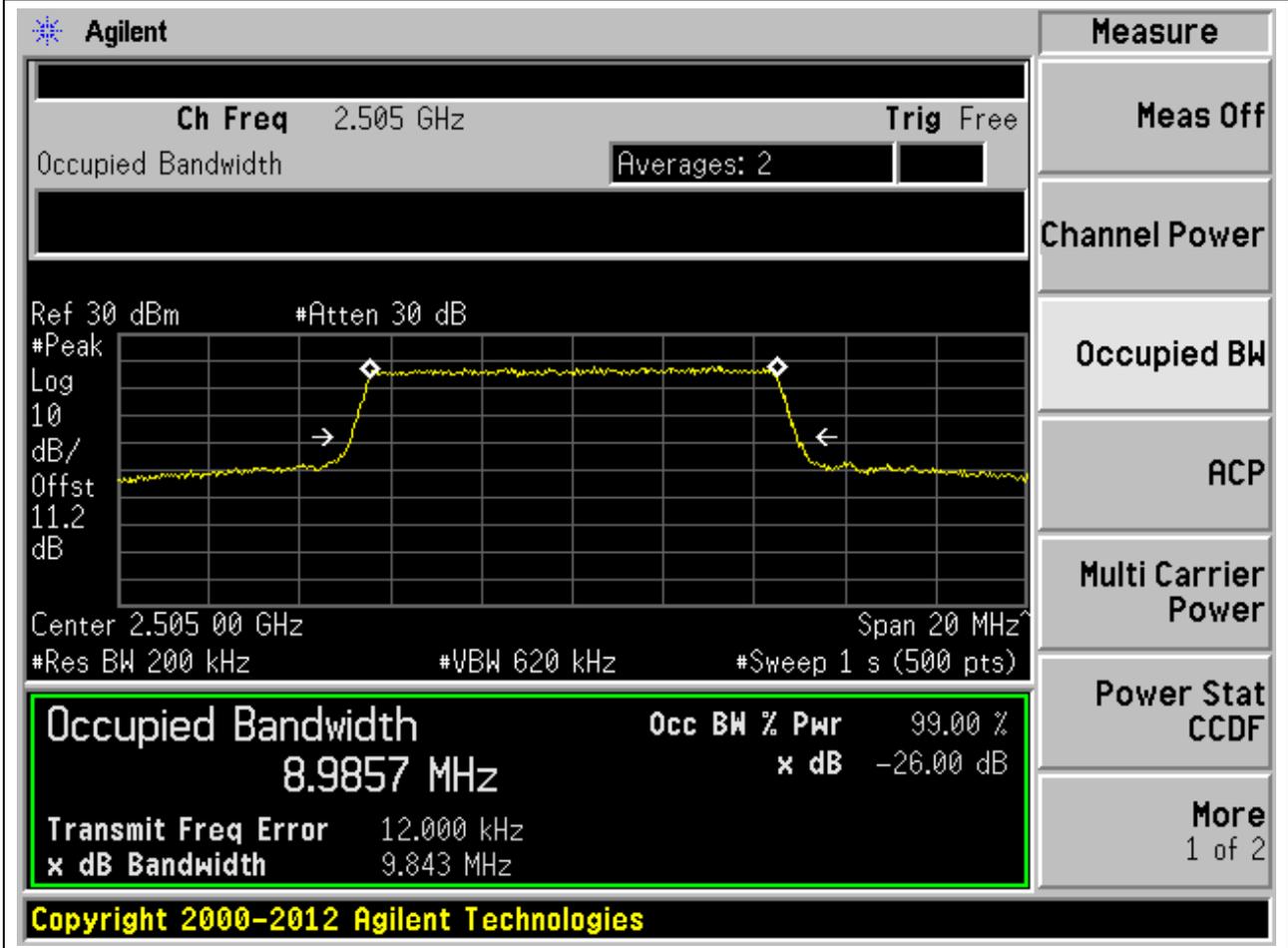
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5675 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.5675 GHz and a span of 10 MHz. The vertical axis is set to 10 dB/Offst 11.8 dB. The horizontal axis is marked with RBW 100 kHz, VBW 300 kHz, and Sweep 1 s (500 pts). The plot shows a signal with a peak level of approximately -26 dB. The Occupied Bandwidth (OBW) is measured as 4.4811 MHz, which is 99.00% of the channel bandwidth. The XdB Bandwidth is 4.906 MHz. The Transmit Frequency Error is -2.234 kHz. The interface also shows a 'Measure' menu on the right with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More. The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4811 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.234 kHz
x dB Bandwidth		4.906 MHz

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**4.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.99	9.84	10	Pass



**4.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20800, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.95	9.76	10	Pass

**Agilent**

Ch Freq 2.505 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 2.505 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9516 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	7.154 kHz	
<b>x dB Bandwidth</b>	9.756 MHz	

**Measure**

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

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**4.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20800, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.97	9.86	10	Pass

Agilent
Measure

Ch Freq 2.505 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.2 dB

Center 2.505 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9712 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 10.625 kHz	
<b>x dB Bandwidth</b> 9.862 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

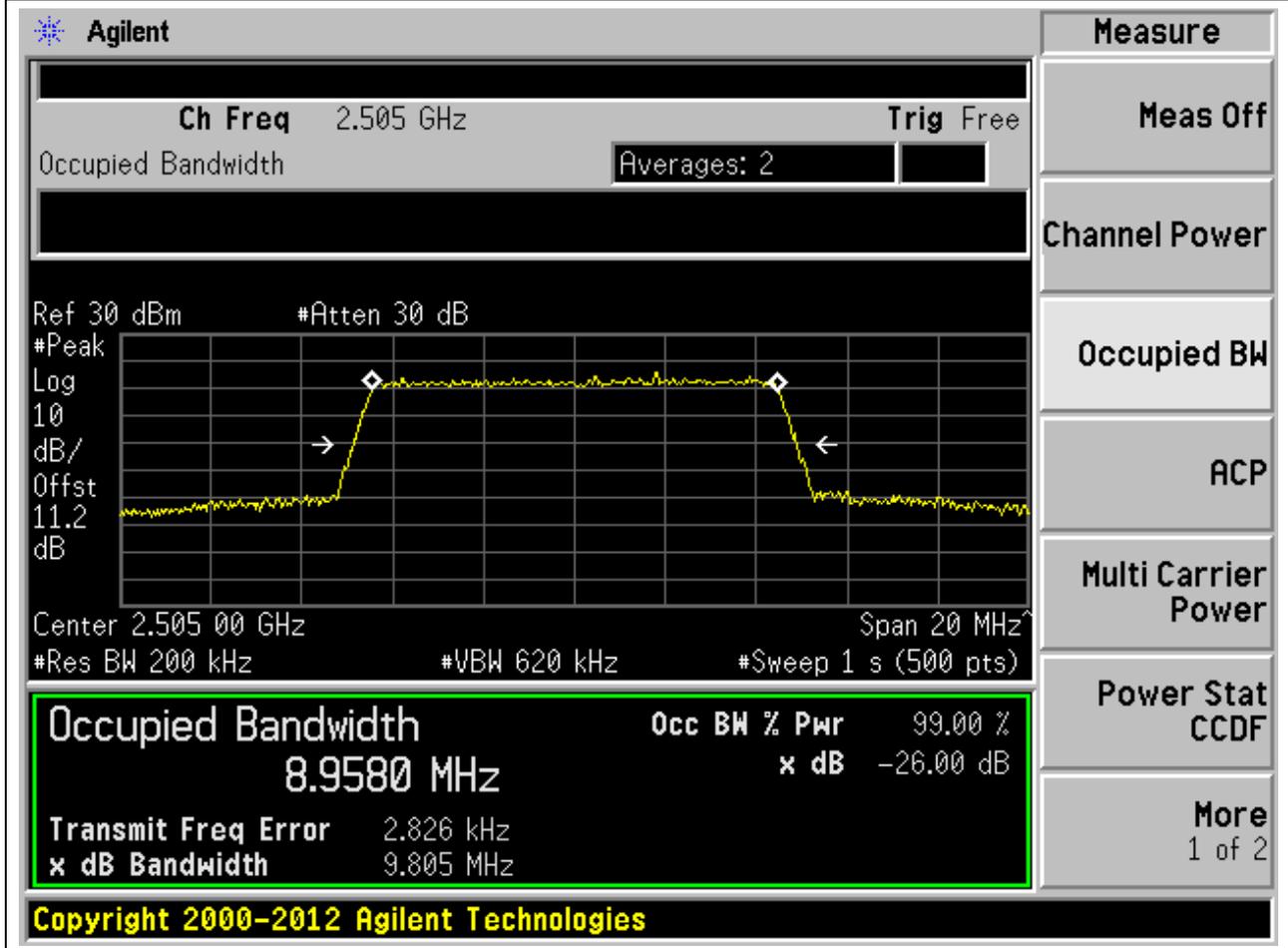
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**4.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20800, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.96	9.81	10	Pass



**4.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.99	9.9	10	Pass

**Agilent**

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.535 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9851 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	6.745 kHz	
<b>x dB Bandwidth</b>	9.896 MHz	

**Measure**

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

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**4.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.95	9.76	10	Pass

Agilent
Measure

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.3 dB

Center 2.535 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**8.9474 MHz**

Transmit Freq Error 145.439 Hz

x dB Bandwidth 9.763 MHz

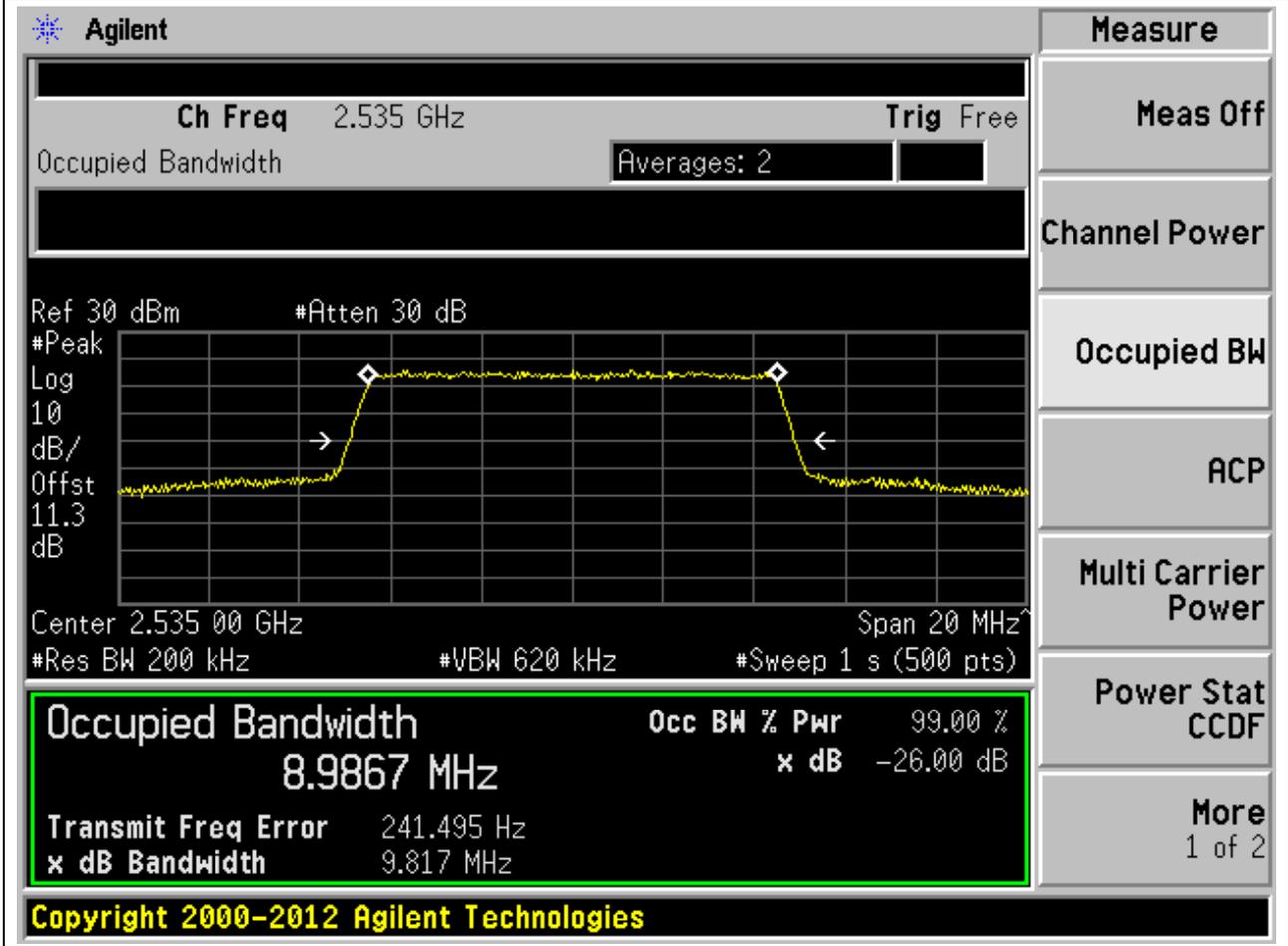
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**4.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.99	9.82	10	Pass



**4.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.96	9.8	10	Pass

Agilent

Measure

Ch Freq 2.535 GHz

Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.3

dB

Center 2.535 00 GHz
Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9616 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -6.003 kHz	
<b>x dB Bandwidth</b> 9.803 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

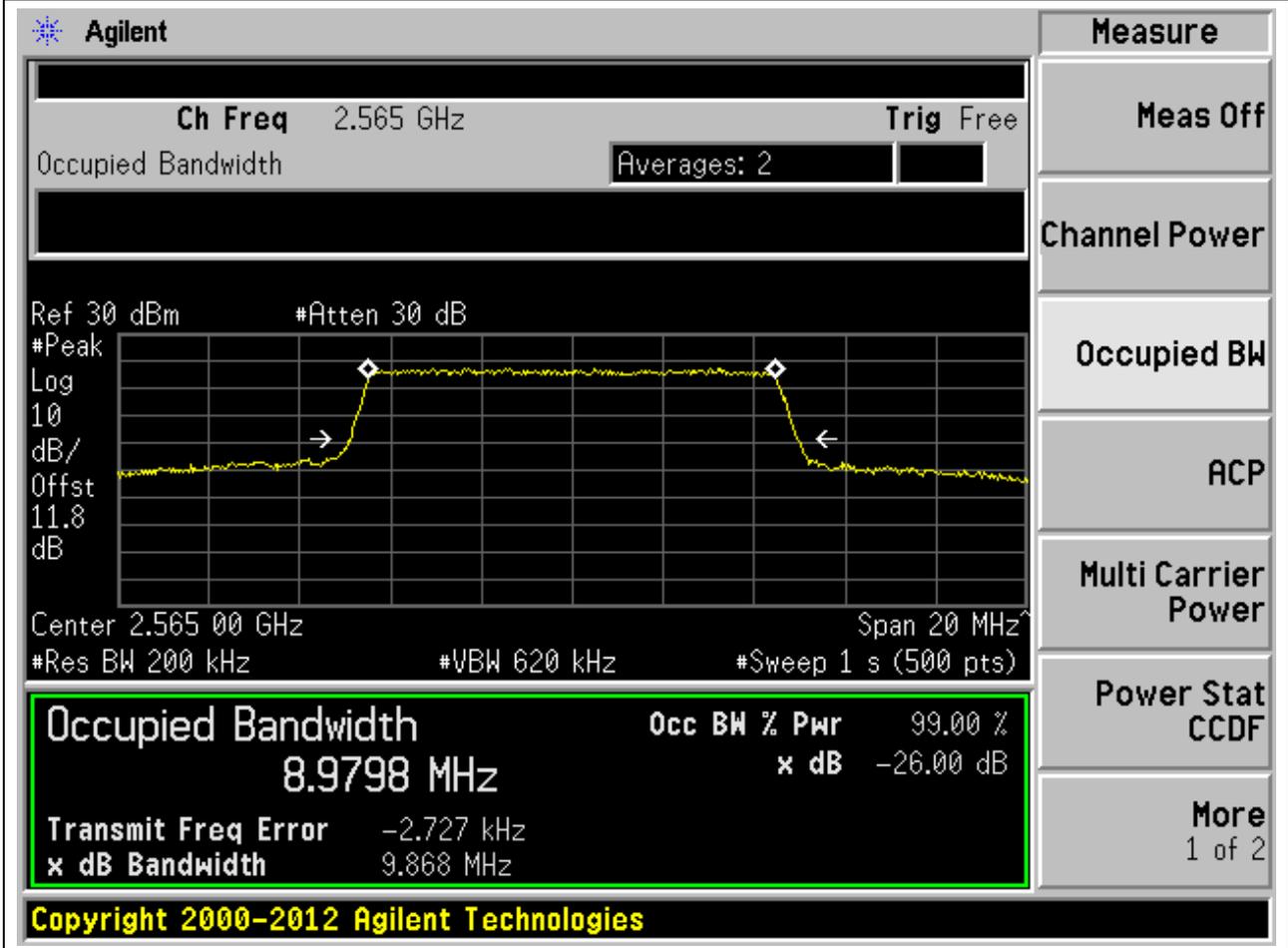
Power Stat CCDF

More  
1 of 2

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**4.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.98	9.87	10	Pass



**4.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21400, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.96	9.81	10	Pass

**Agilent**

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.8 dB

Center 2.565 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9575 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.479 kHz
<b>x dB Bandwidth</b>		9.813 MHz

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**Measure**

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

**4.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21400, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.97	9.84	10	Pass

Agilent

Measure

Ch Freq 2.565 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.8 dB

Center 2.565 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9718 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -8.042 kHz	
<b>x dB Bandwidth</b> 9.839 MHz	

Power Stat CCDF

More 1 of 2

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**4.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21400, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.95	9.81	10	Pass

**Agilent**

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.8 dB

Center 2.565 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9523 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-9.864 kHz
<b>x dB Bandwidth</b>		9.808 MHz

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**4.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.44	14.73	15	Pass

Agilent

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

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.2 dB

Center 2.507 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**13.4408 MHz** x dB -26.00 dB

Transmit Freq Error 21.357 kHz

x dB Bandwidth 14.726 MHz

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**4.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20825, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.44	14.73	15	Pass

Agilent
Measure

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.2 dB

Center 2.507 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4352 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 4.102 kHz	
<b>x dB Bandwidth</b> 14.726 MHz	

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**4.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20825, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.42	14.7	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5075 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with 'dB/Offst 11.2 dB'. The plot shows a signal with a peak at approximately 2.5075 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4156 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 9.084 kHz' and 'x dB Bandwidth 14.701 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4156 MHz	99.00 %	-26.00 dB

**4.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20825, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.42	14.61	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.5075 GHz. The occupied bandwidth is measured as 13.4244 MHz. The power is 99.00% and the XdB down is -26.00 dB. The RBW is 0.3 MHz. The detector is set to Peak. The upper limit is 15 MHz. The verdict is Pass.

**Measure**

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

**Occupied Bandwidth** 13.4244 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 517.279 Hz

x dB Bandwidth 14.610 MHz

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**4.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.45	14.77	15	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 11.3 dB

Center 2.535 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4454 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 6.055 kHz	
<b>x dB Bandwidth</b> 14.773 MHz	

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**4.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.44	14.72	15	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 11.3 dB

Center 2.535 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4404 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -9.372 kHz	
<b>x dB Bandwidth</b> 14.718 MHz	

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**4.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.43	14.72	15	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 11.3 dB

Center 2.535 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**13.4321 MHz** x dB -26.00 dB

Transmit Freq Error -4.290 kHz

x dB Bandwidth 14.717 MHz

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**4.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.43	14.63	15	Pass

Agilent

Measure

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.3

dB

Center 2.535 00 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4286 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-10.340 kHz
<b>x dB Bandwidth</b>	14.630 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**4.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.46	14.75	15	Pass

Agilent
Measure

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.7 dB

Center 2.562 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4581 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -560.402 Hz	
<b>x dB Bandwidth</b> 14.749 MHz	

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**4.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21375, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.44	14.7	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.5625 GHz, and the span is 30 MHz. The occupied bandwidth is highlighted in green, showing a value of 13.4423 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a 'Measure' menu on the right.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4423 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 2.5625 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.7 dB, Center 2.56250 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts), Transmit Freq Error -10.388 kHz, and x dB Bandwidth 14.700 MHz.

**4.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21375, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.42	14.72	15	Pass

Agilent

Measure

Ch Freq 2.5625 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.7

dB

Center 2.562 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4223 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -5.364 kHz	
<b>x dB Bandwidth</b> 14.718 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**4.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21375, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.42	14.63	15	Pass

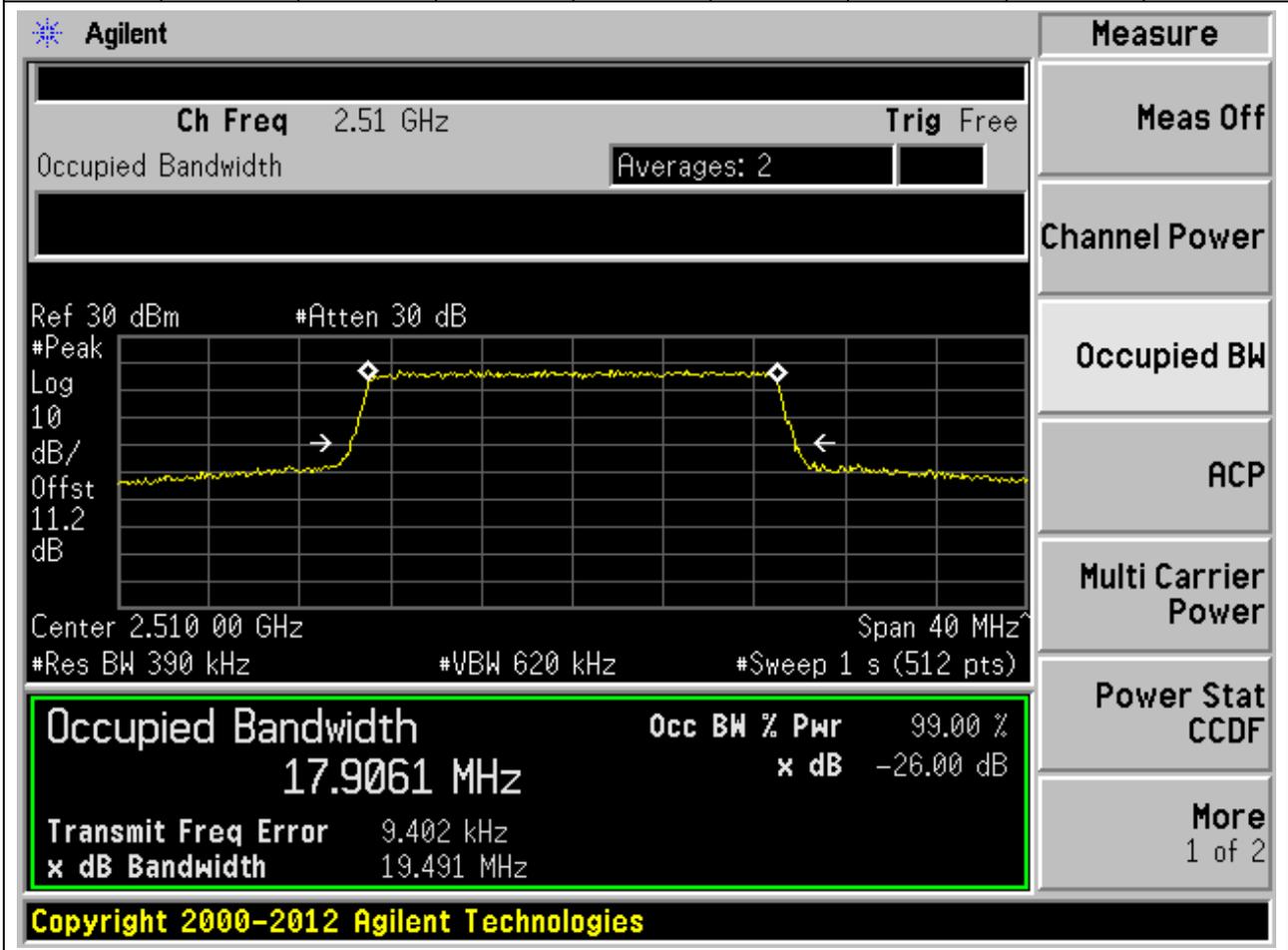
The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5625 GHz. The main display shows a spectrum plot with a yellow trace. The plot is set to a logarithmic scale (Log) with a resolution bandwidth of 300 kHz and a video bandwidth of 620 kHz. The center frequency is 2.5625 GHz and the span is 30 MHz. The occupied bandwidth is measured as 13.4207 MHz, which is 99.00% of the 14.633 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -15.180 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'. A green box highlights the Occupied Bandwidth measurement results.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4207 MHz	99.00 %	-26.00 dB

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**4.37. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.91	19.49	20	Pass



**4.38. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20850, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)**

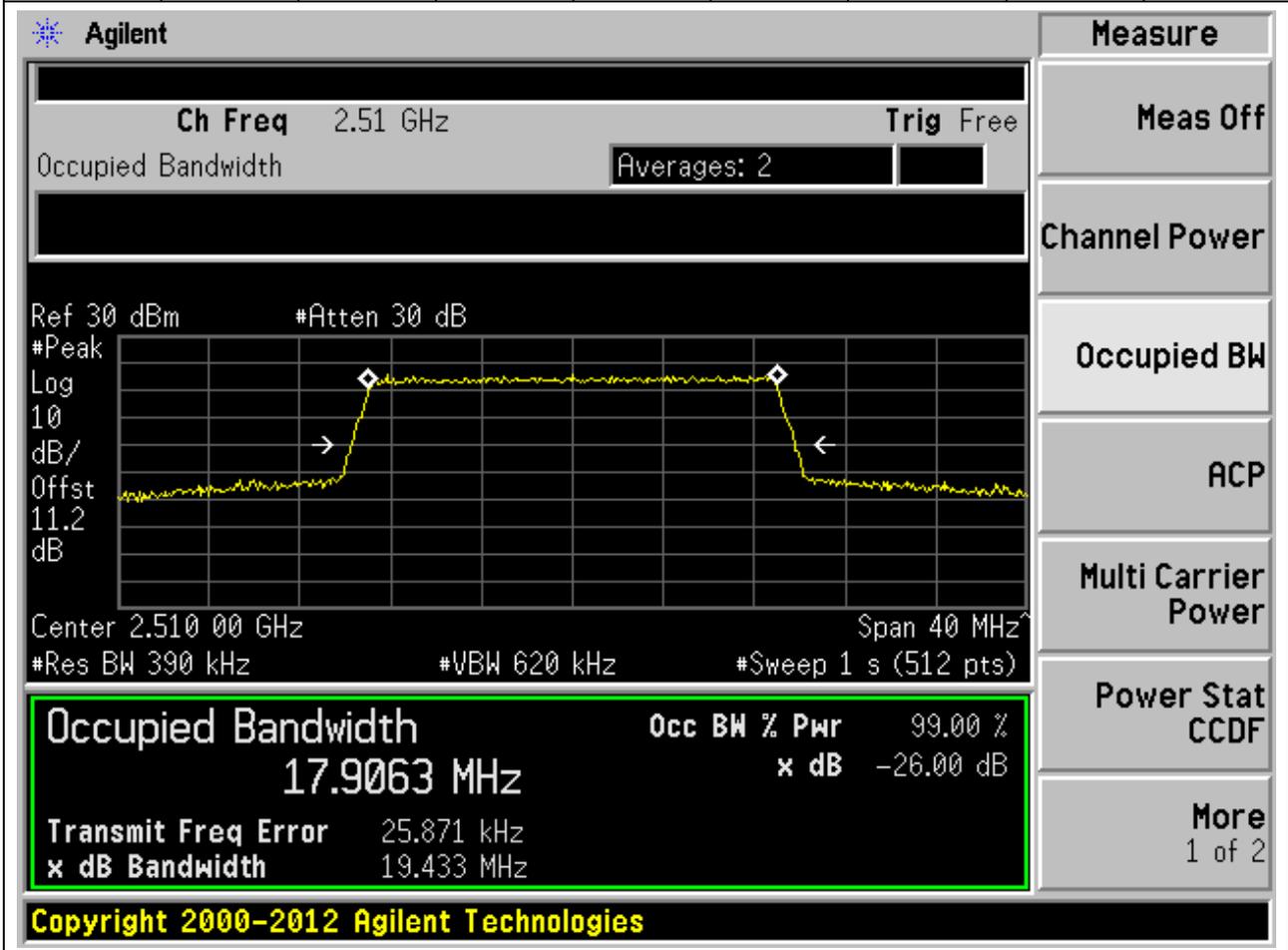
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.91	19.54	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.51 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with a 'Ref 30 dBm' and '#Atten 30 dB'. The plot shows a signal with a peak at approximately 2.51 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9069 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 17.880 kHz' and 'x dB Bandwidth 19.545 MHz'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9069 MHz	99.00 %	-26.00 dB

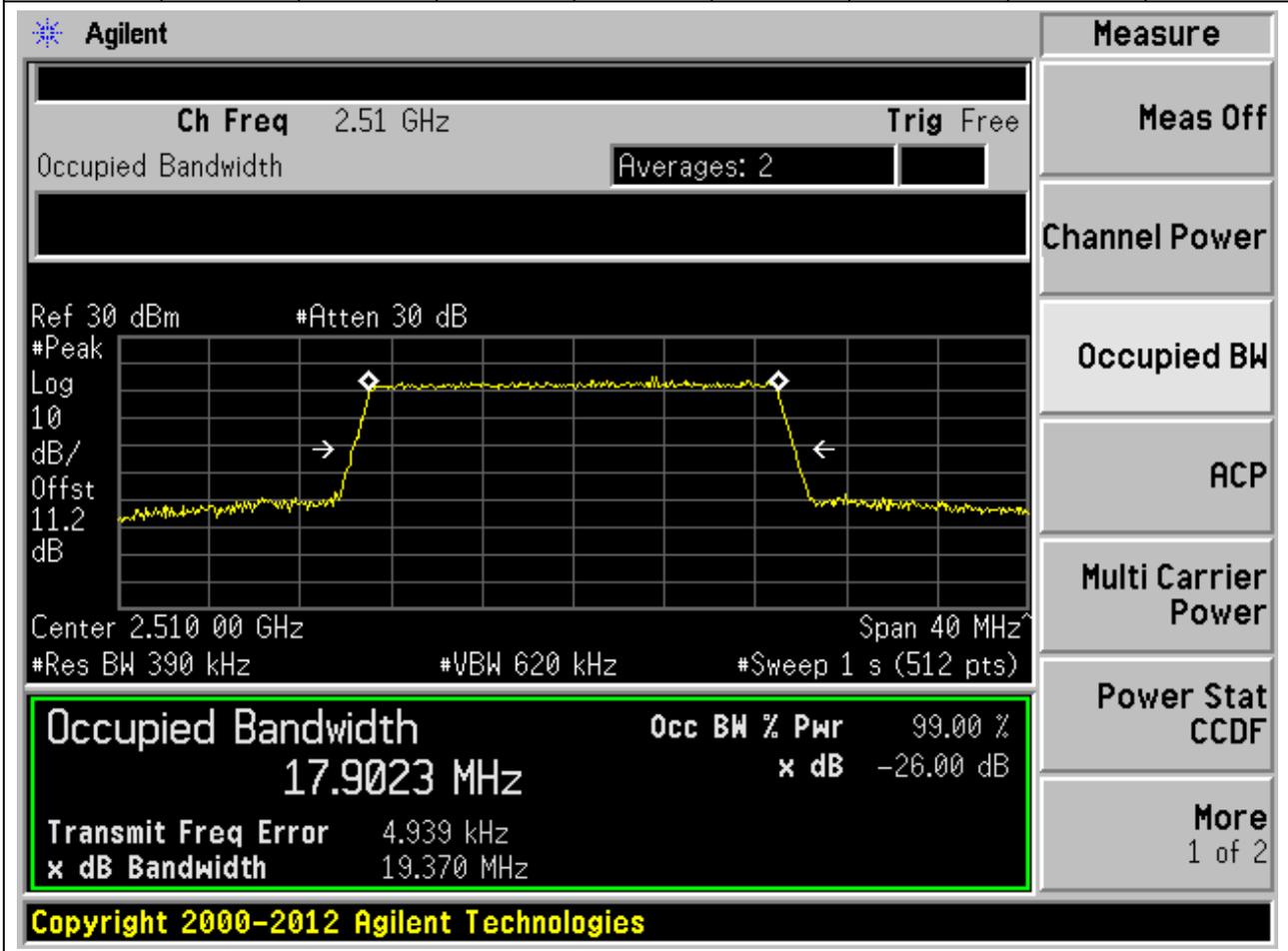
**4.39. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20850, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.91	19.43	20	Pass



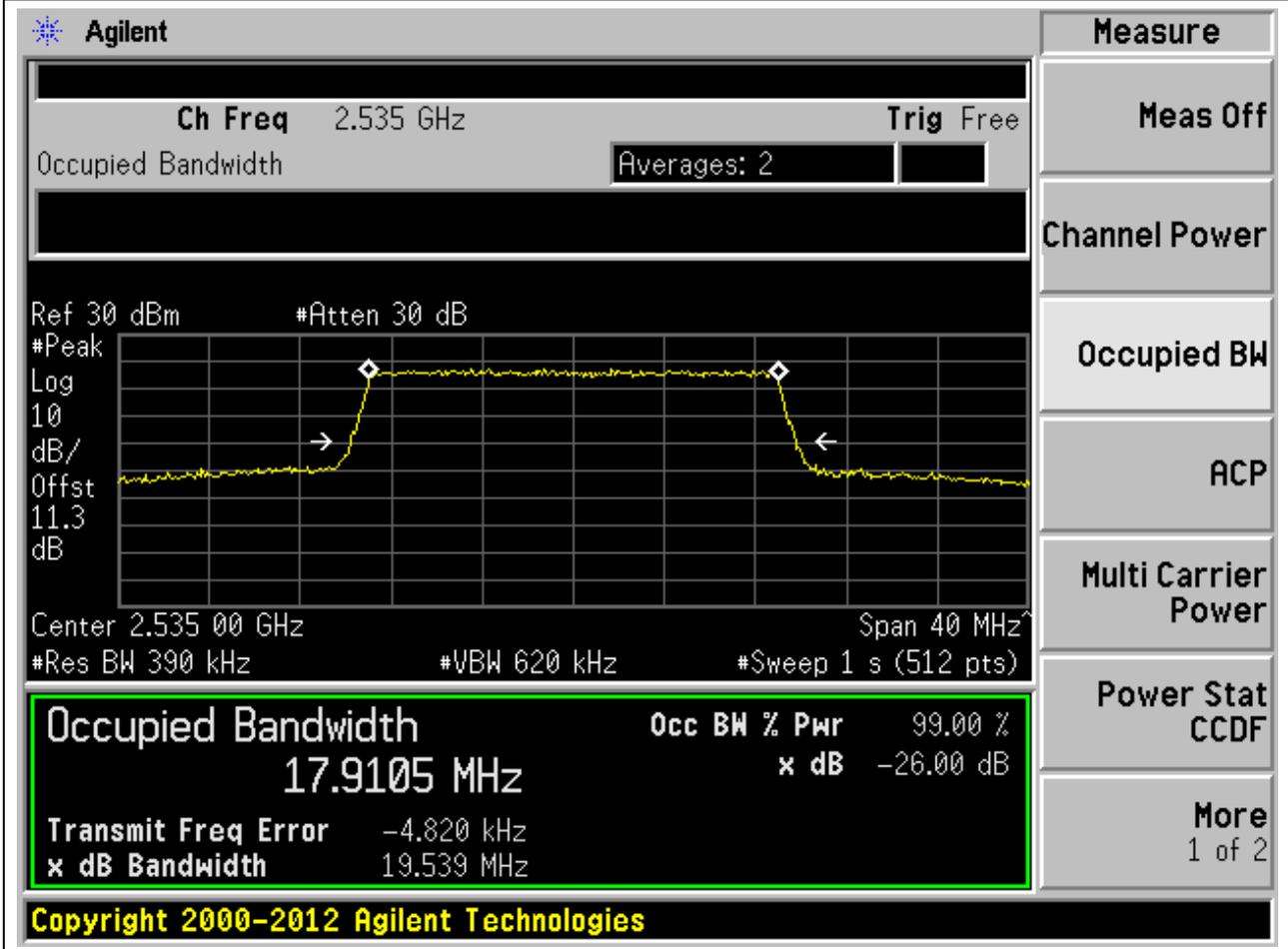
**4.40. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:20850, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.9	19.37	20	Pass



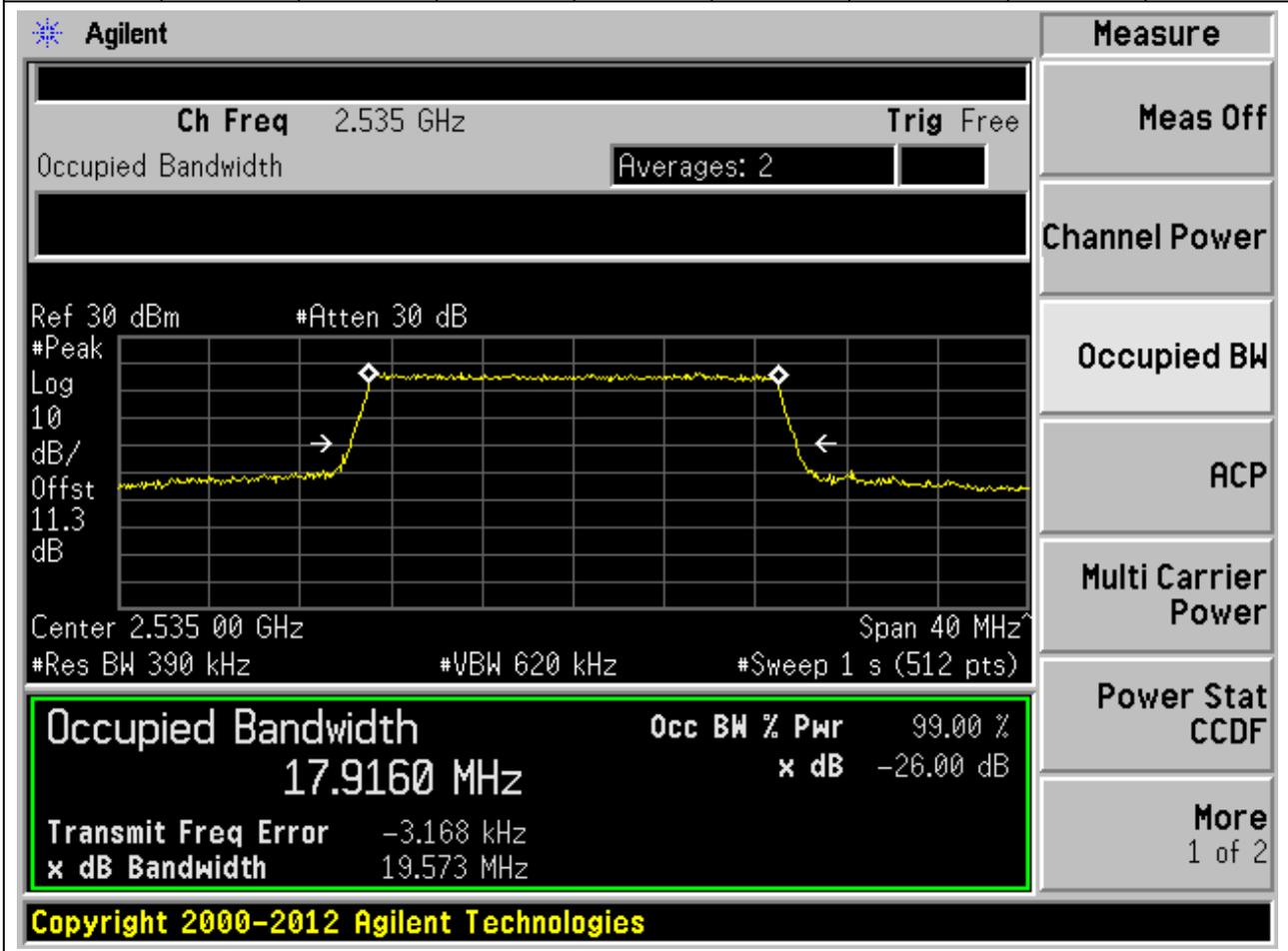
4.41. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.91	19.54	20	Pass



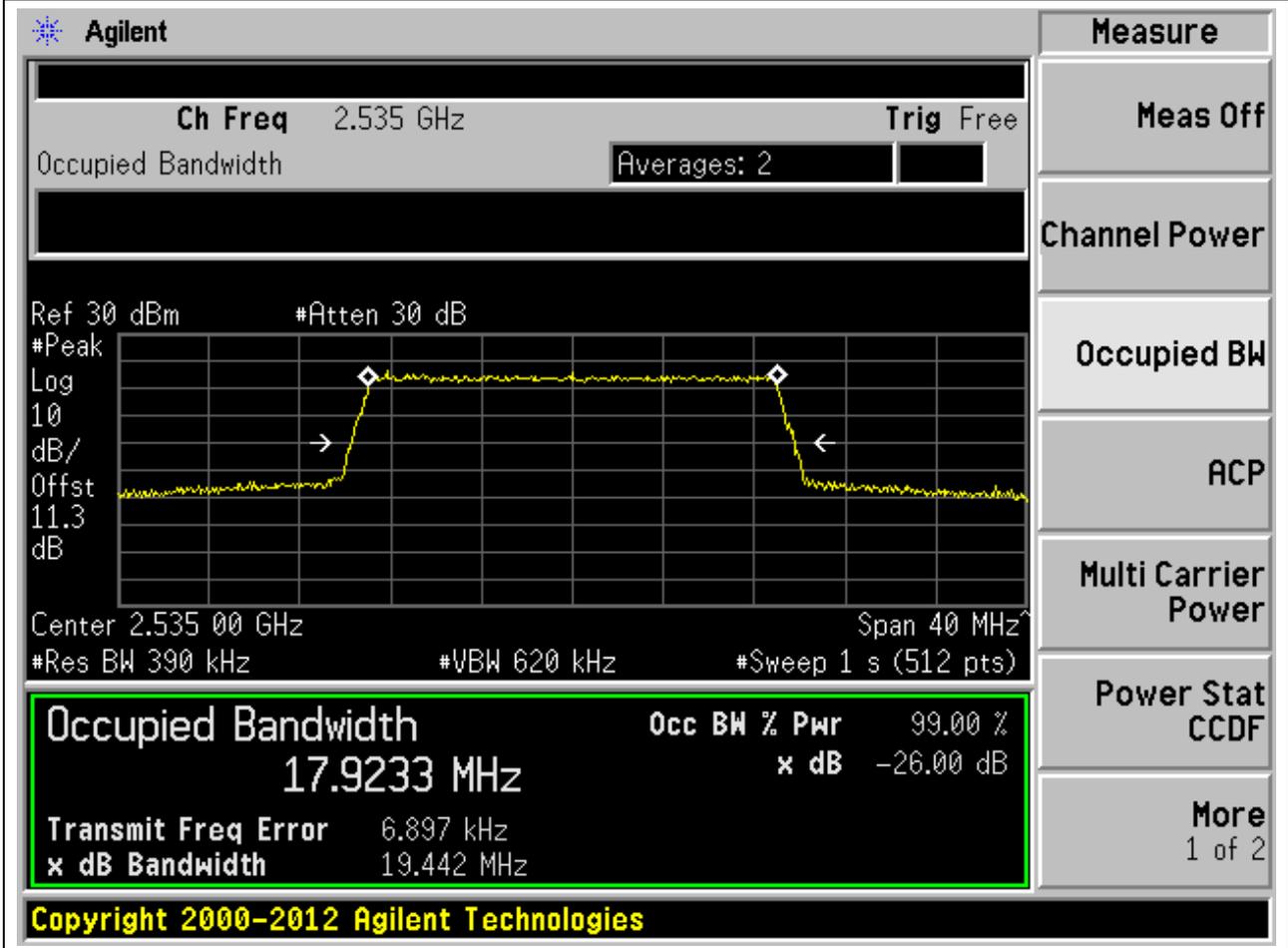
4.42. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.92	19.57	20	Pass



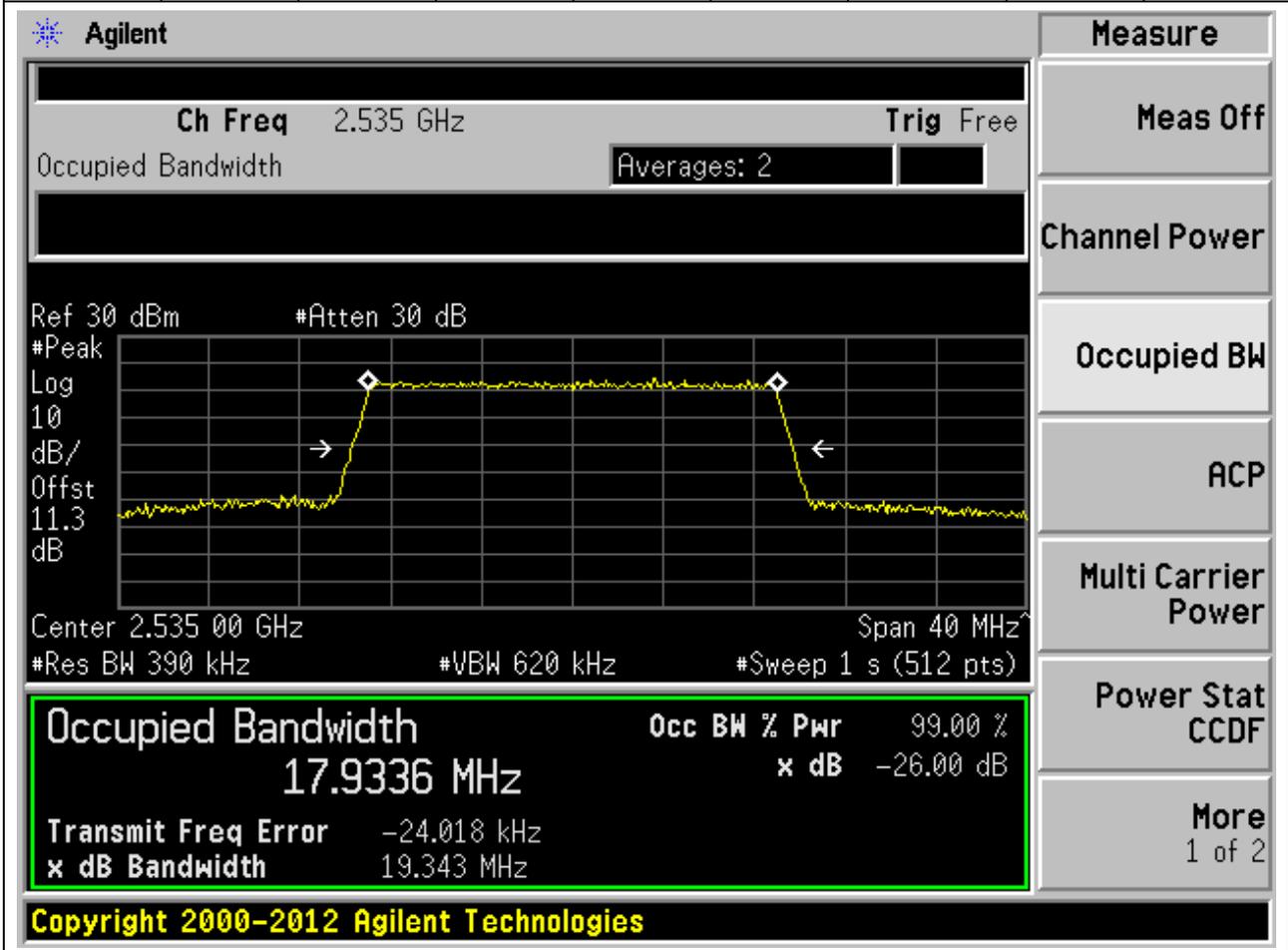
4.43. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.92	19.44	20	Pass



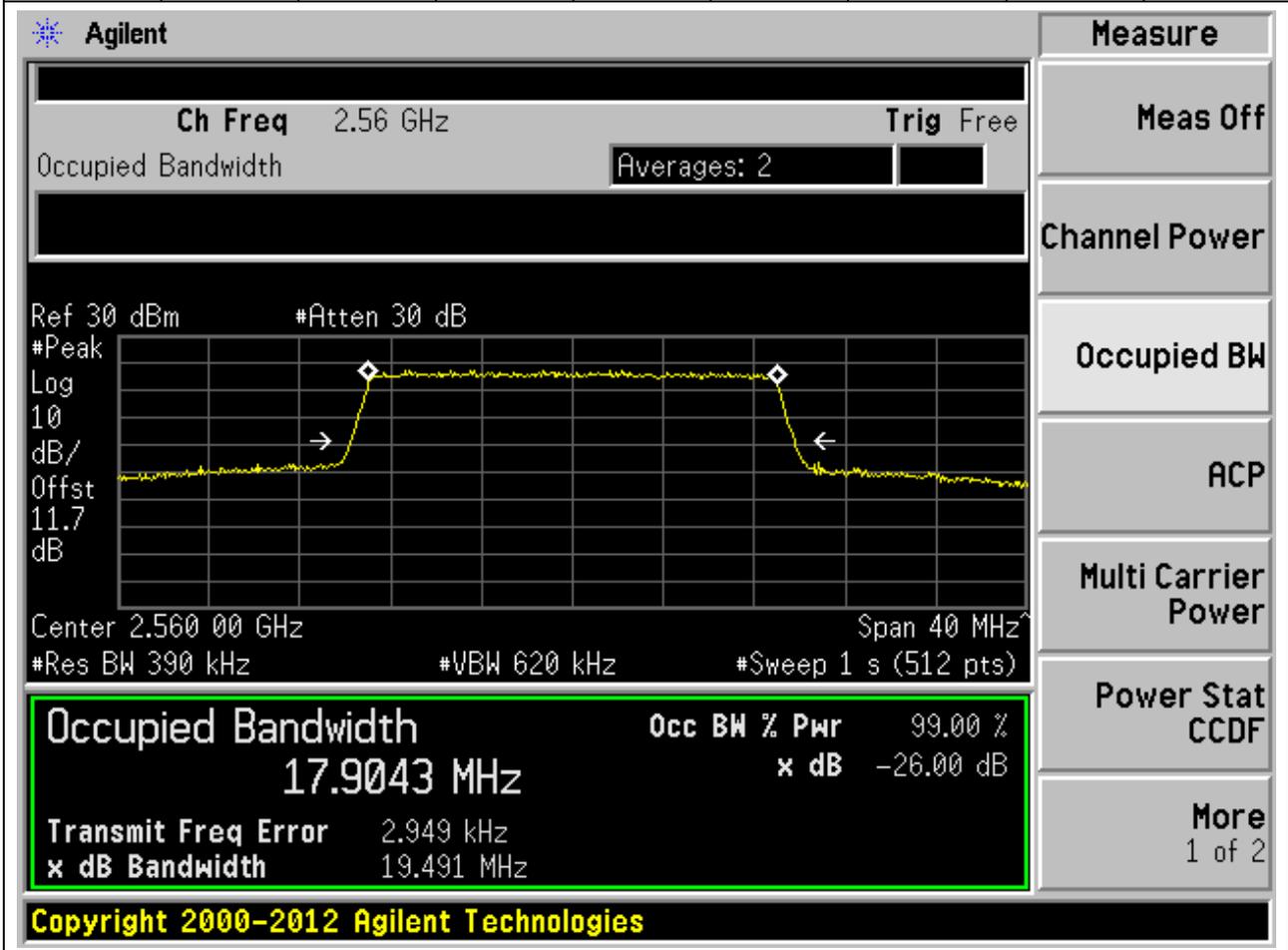
4.44. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21100, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.93	19.34	20	Pass



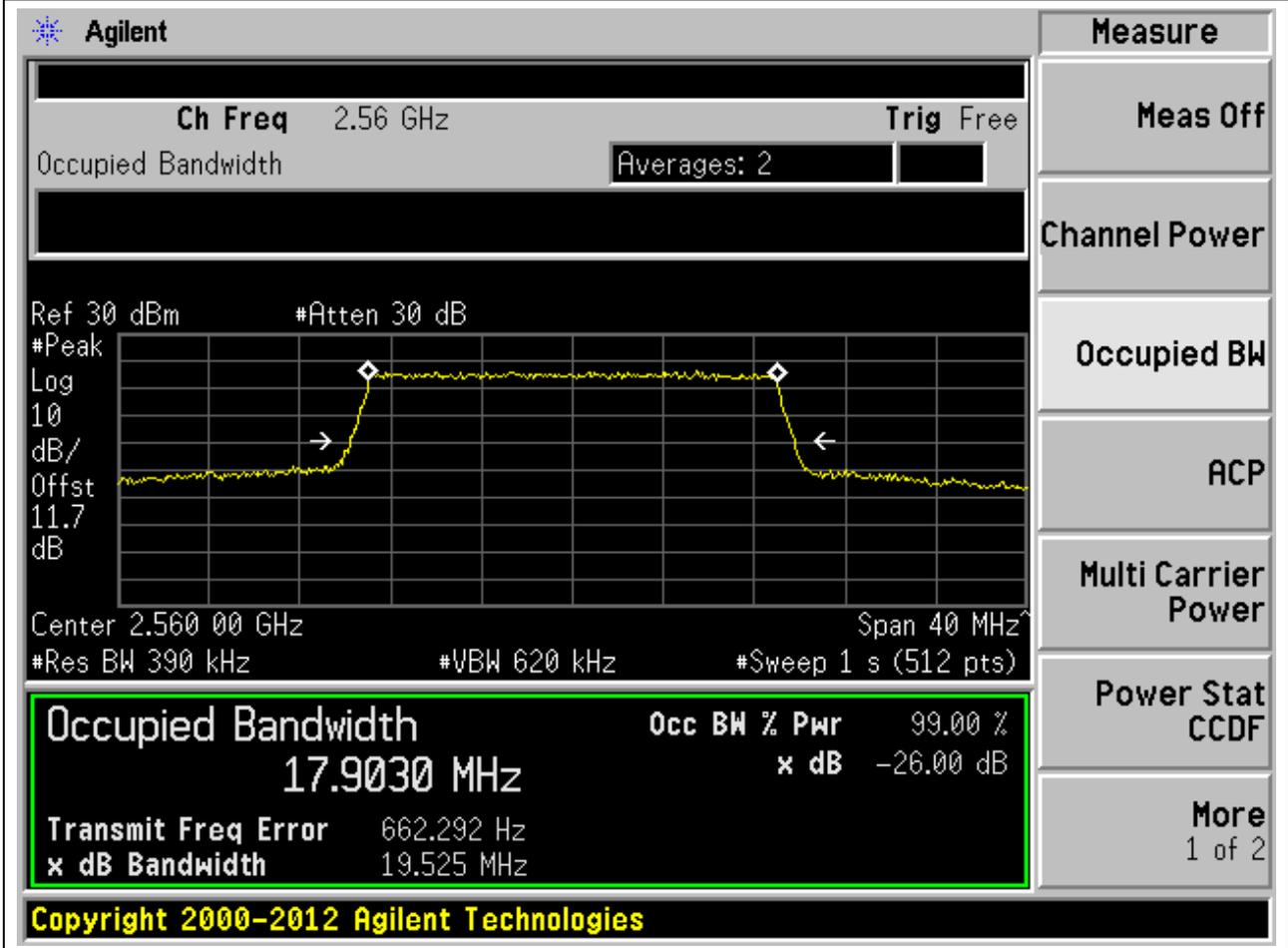
4.45. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.9	19.49	20	Pass



4.46. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21350, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.9	19.53	20	Pass



**4.47. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21350, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.9	19.45	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.56 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale, 'dB/Offst' mode, with a reference level of 30 dBm and an attenuation of 30 dB. The center frequency is 2.56000 GHz and the span is 40 MHz. The resolution bandwidth (Res BW) is 390 kHz, the video bandwidth (VBW) is 620 kHz, and the sweep time is 1 s (512 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>17.9013 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		6.487 kHz
<b>x dB Bandwidth</b>		19.451 MHz

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

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4.48. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:21350, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.88	19.3	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.56 GHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot has a reference level of 30 dBm and an attenuation of 30 dB. The trace shows a signal with a peak level of approximately 11.7 dB. The 'Occupied Bandwidth' measurement results are highlighted in a green box:

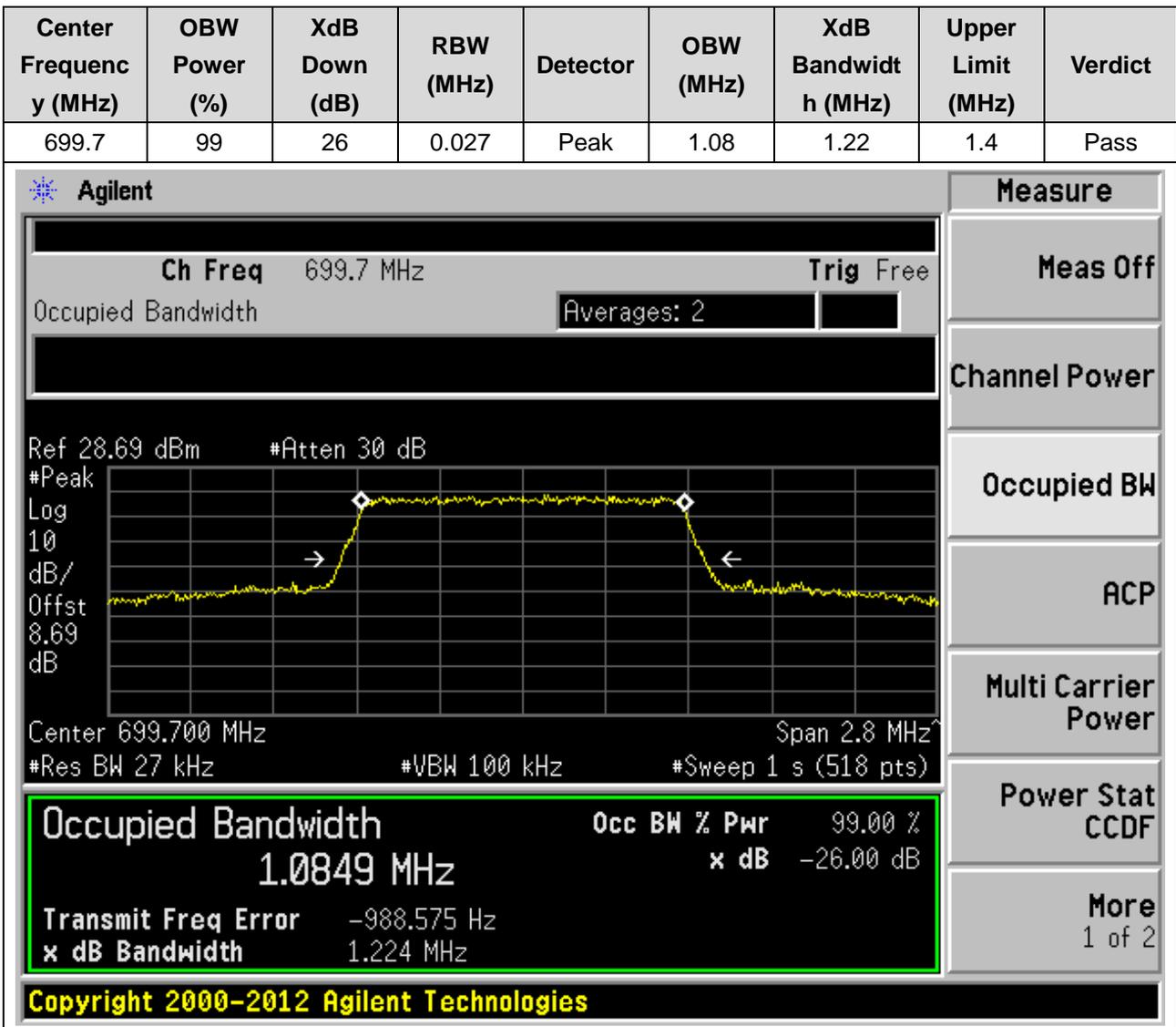
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>17.8812 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-12.464 kHz
<b>x dB Bandwidth</b>		19.297 MHz

Additional parameters shown include: Center 2.560 00 GHz, Span 40 MHz, Res BW 390 kHz, VBW 620 kHz, and Sweep 1 s (512 pts). The right-hand side of the interface contains 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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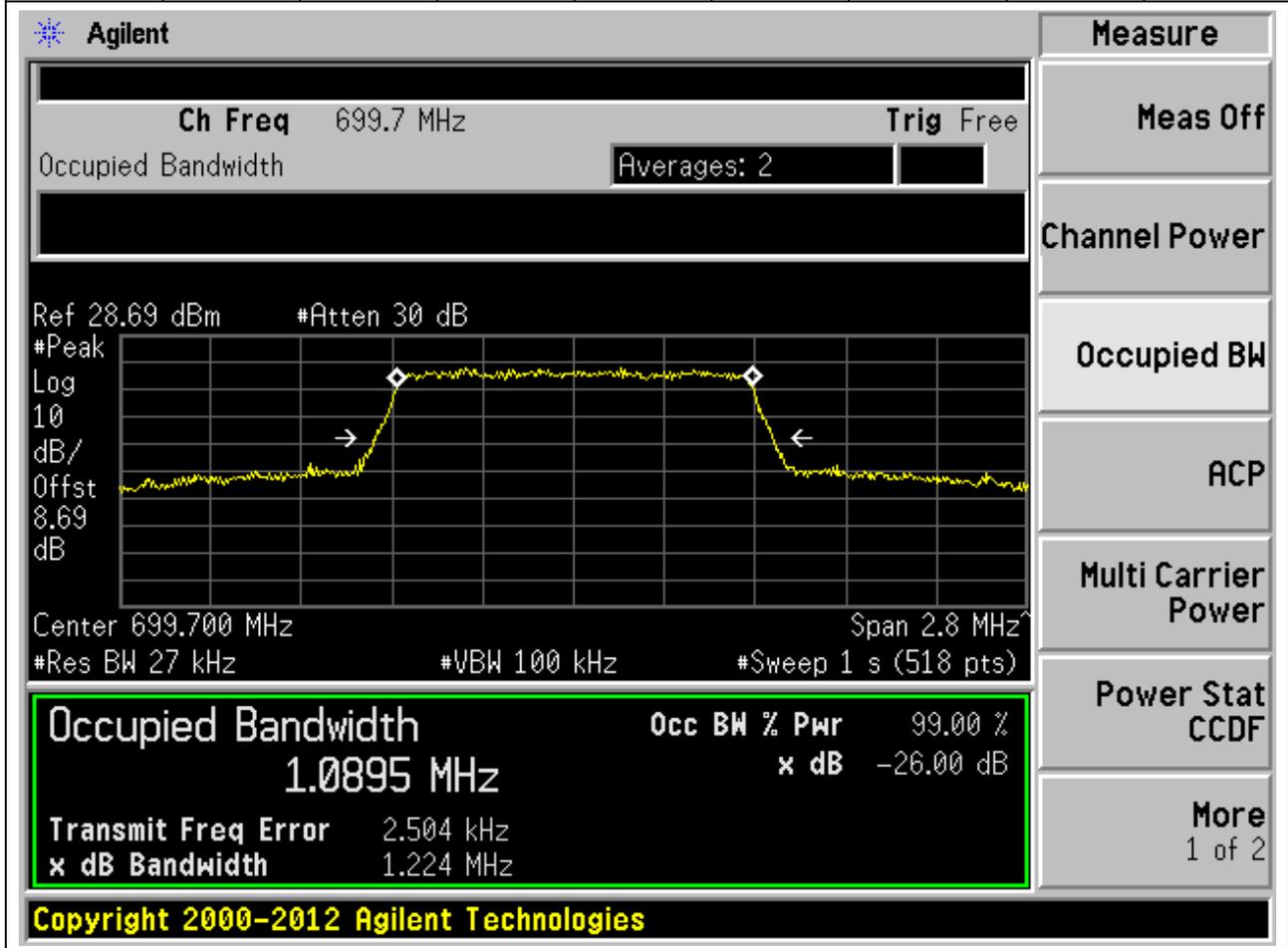
## 5. LTE\_Band12

### 5.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23017, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



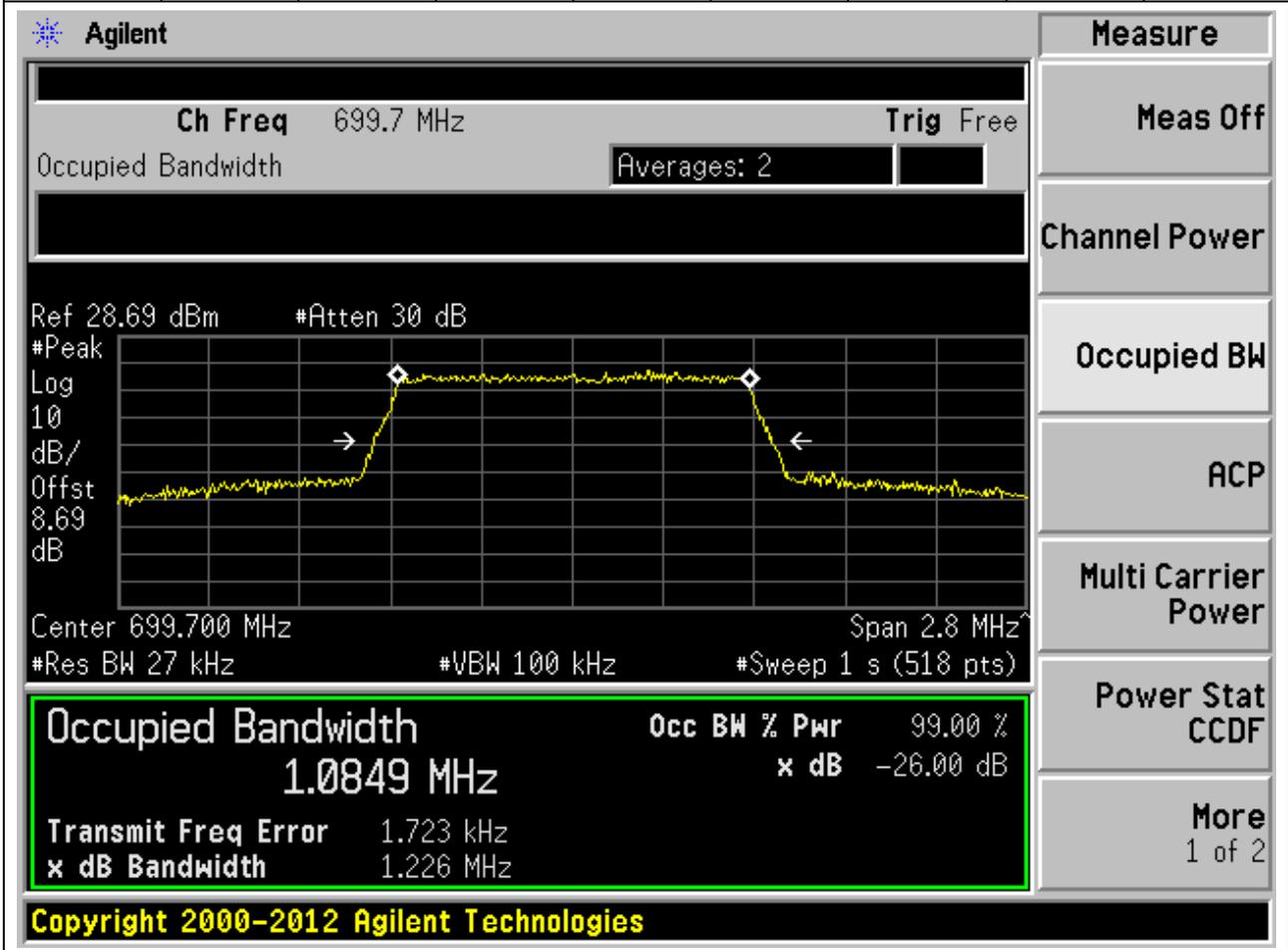
**5.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23017, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
699.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass



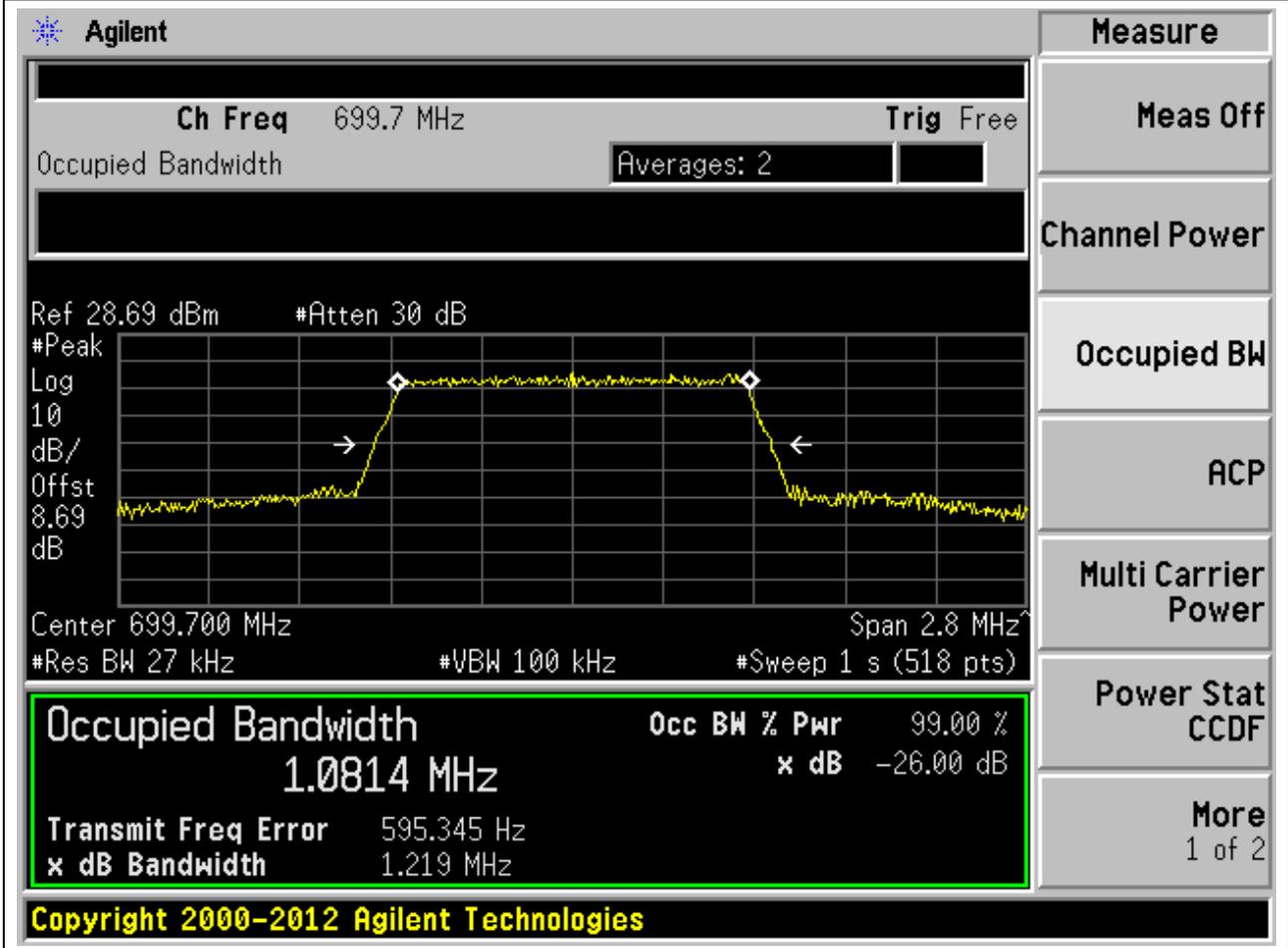
**5.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23017, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
699.7	99	26	0.027	Peak	1.08	1.23	1.4	Pass



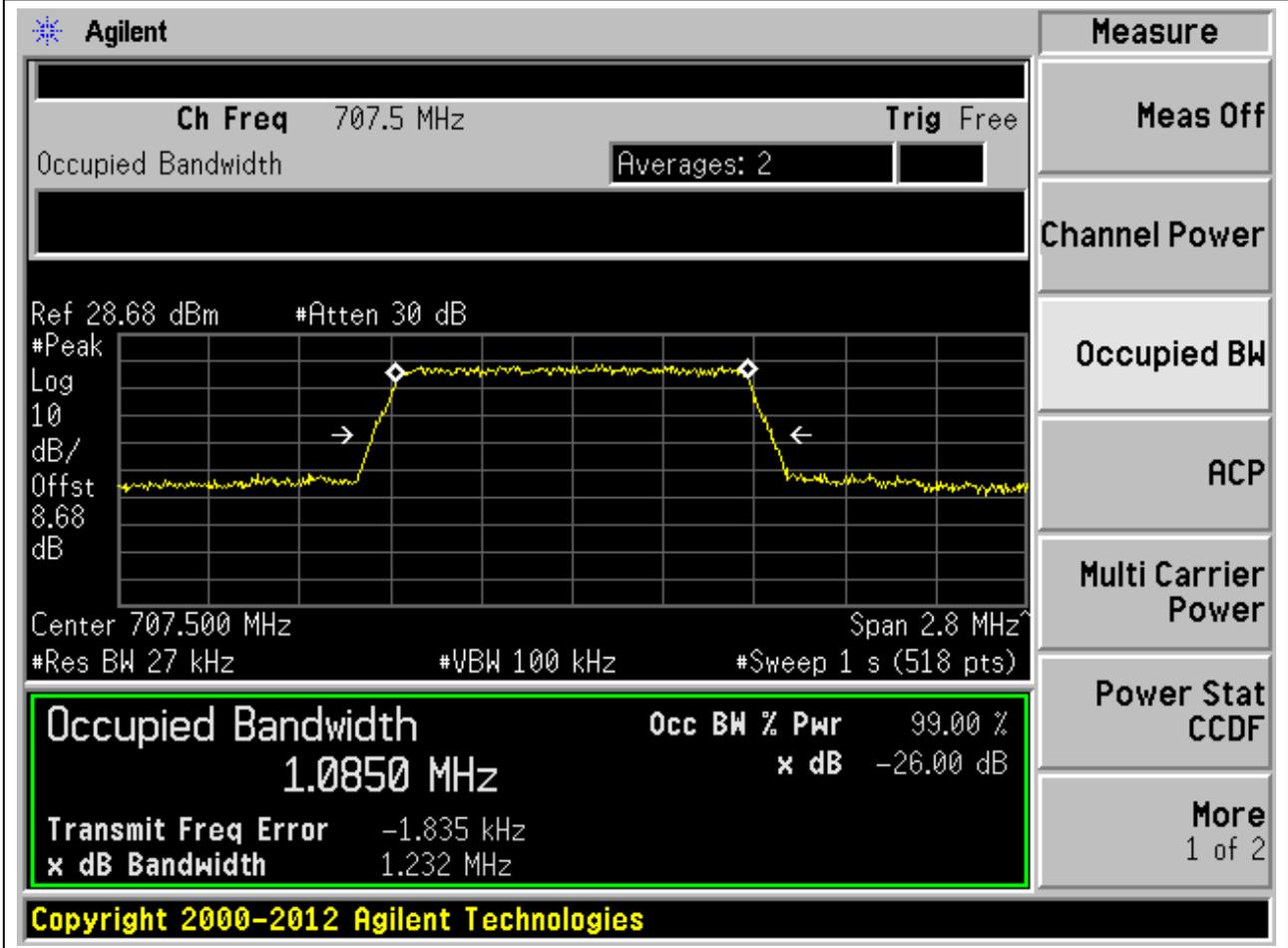
**5.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23017, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
699.7	99	26	0.027	Peak	1.08	1.22	1.4	Pass



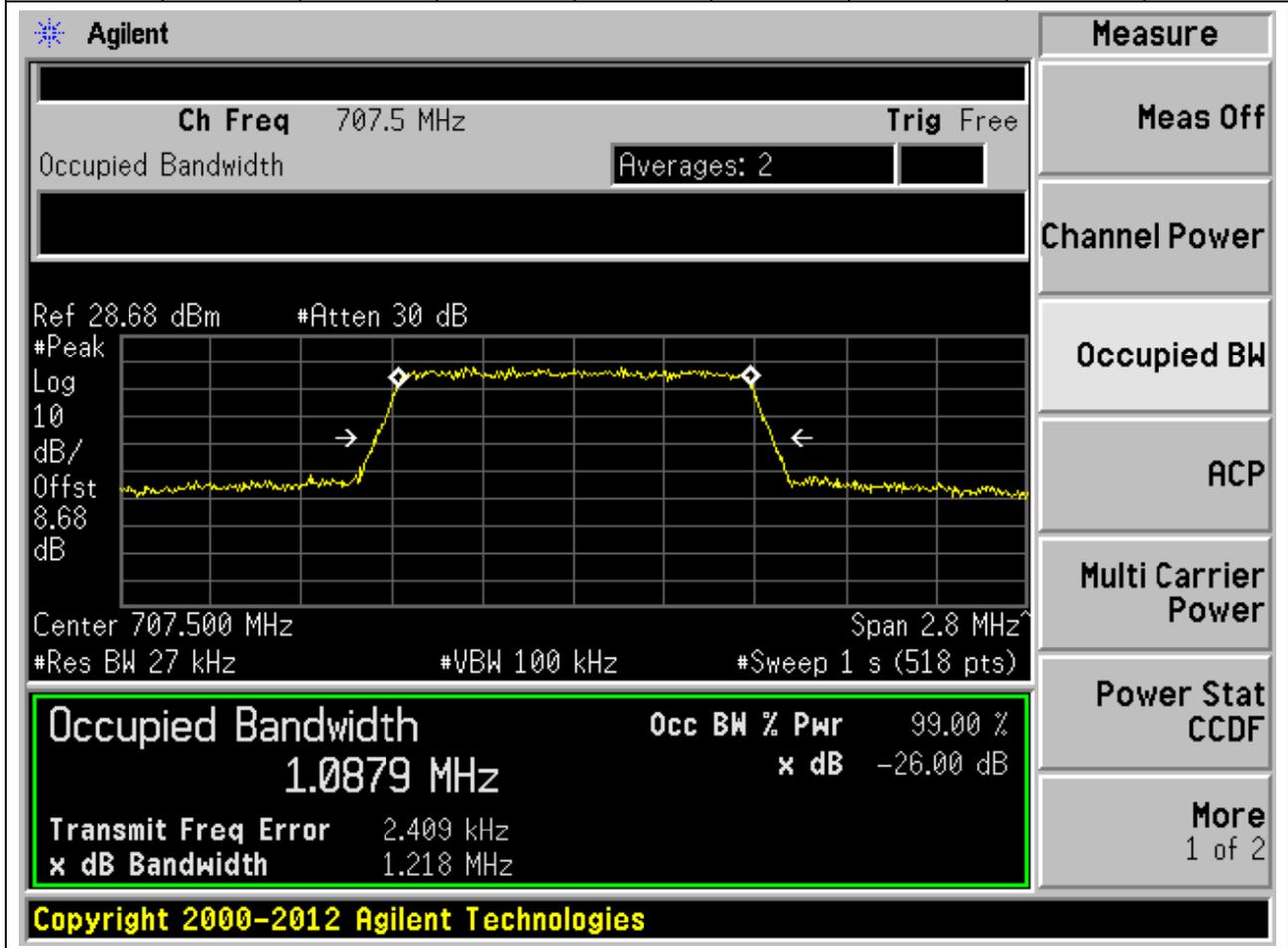
**5.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.08	1.23	1.4	Pass



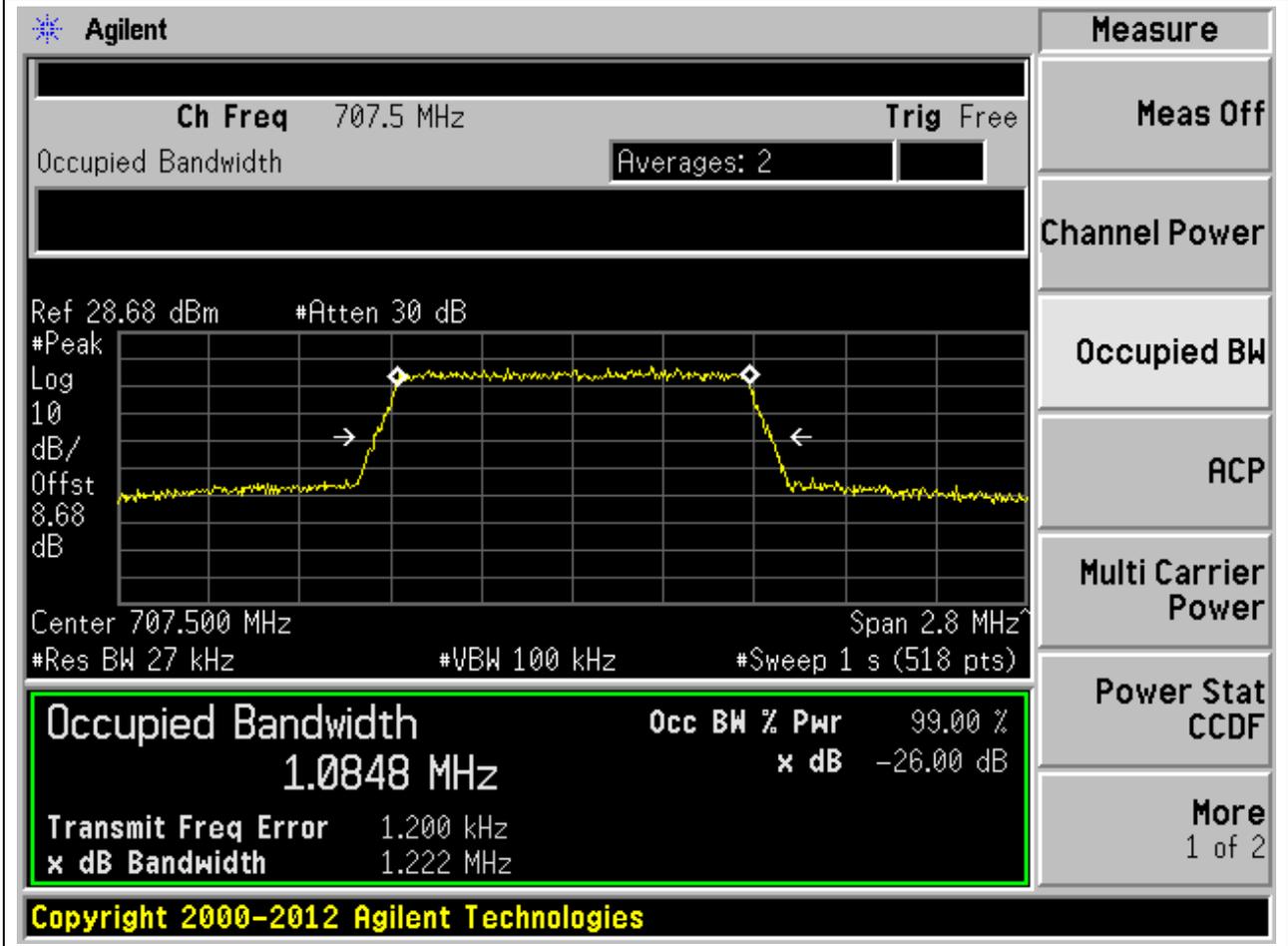
**5.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.09	1.22	1.4	Pass



**5.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.08	1.22	1.4	Pass



**5.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.08	1.22	1.4	Pass

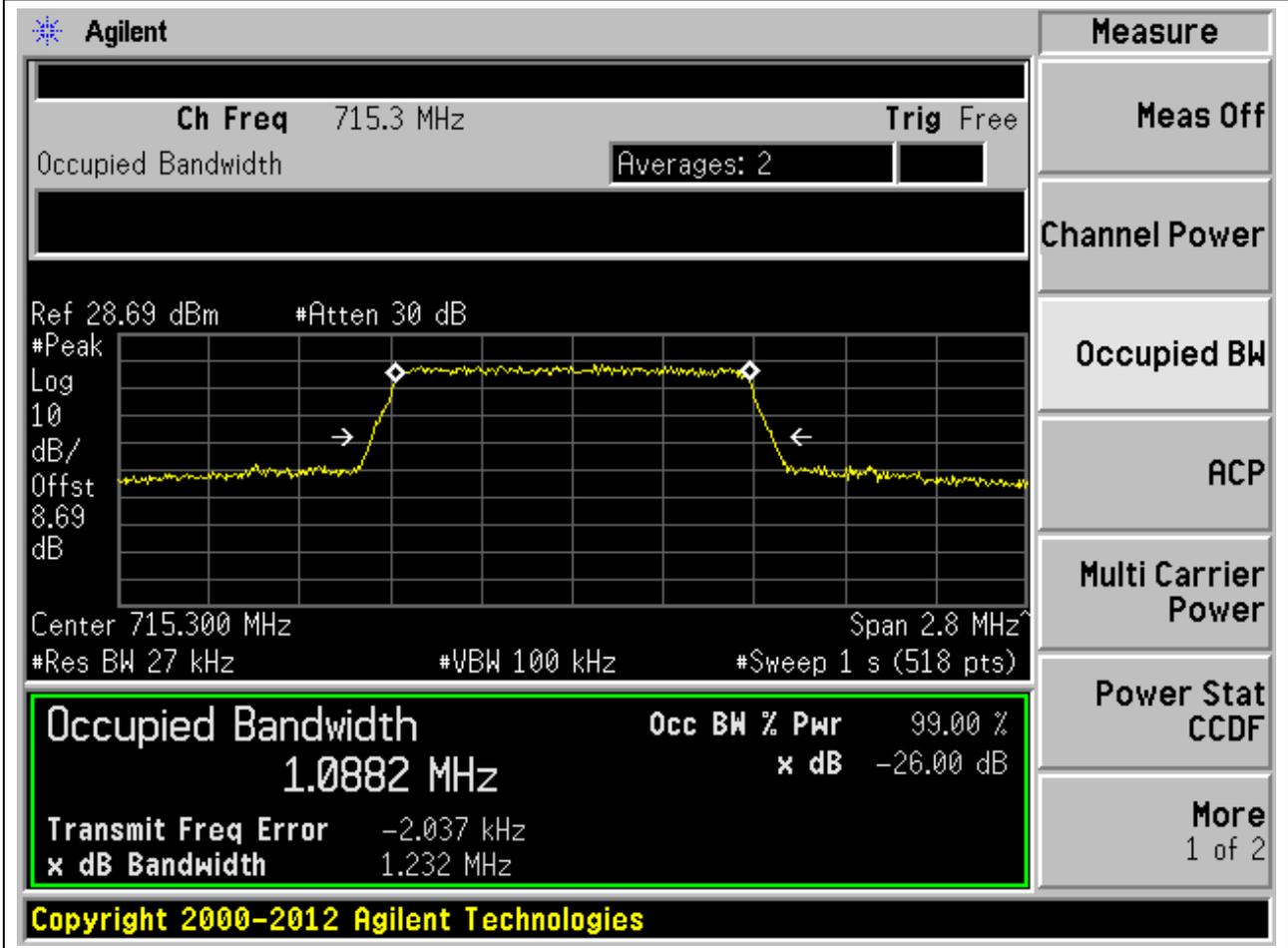
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 707.500 MHz, and the span is 2.8 MHz. The occupied bandwidth is highlighted in a green box as 1.0816 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
1.0816 MHz		x dB	-26.00 dB
Transmit Freq Error	170.043 Hz		
x dB Bandwidth	1.222 MHz		

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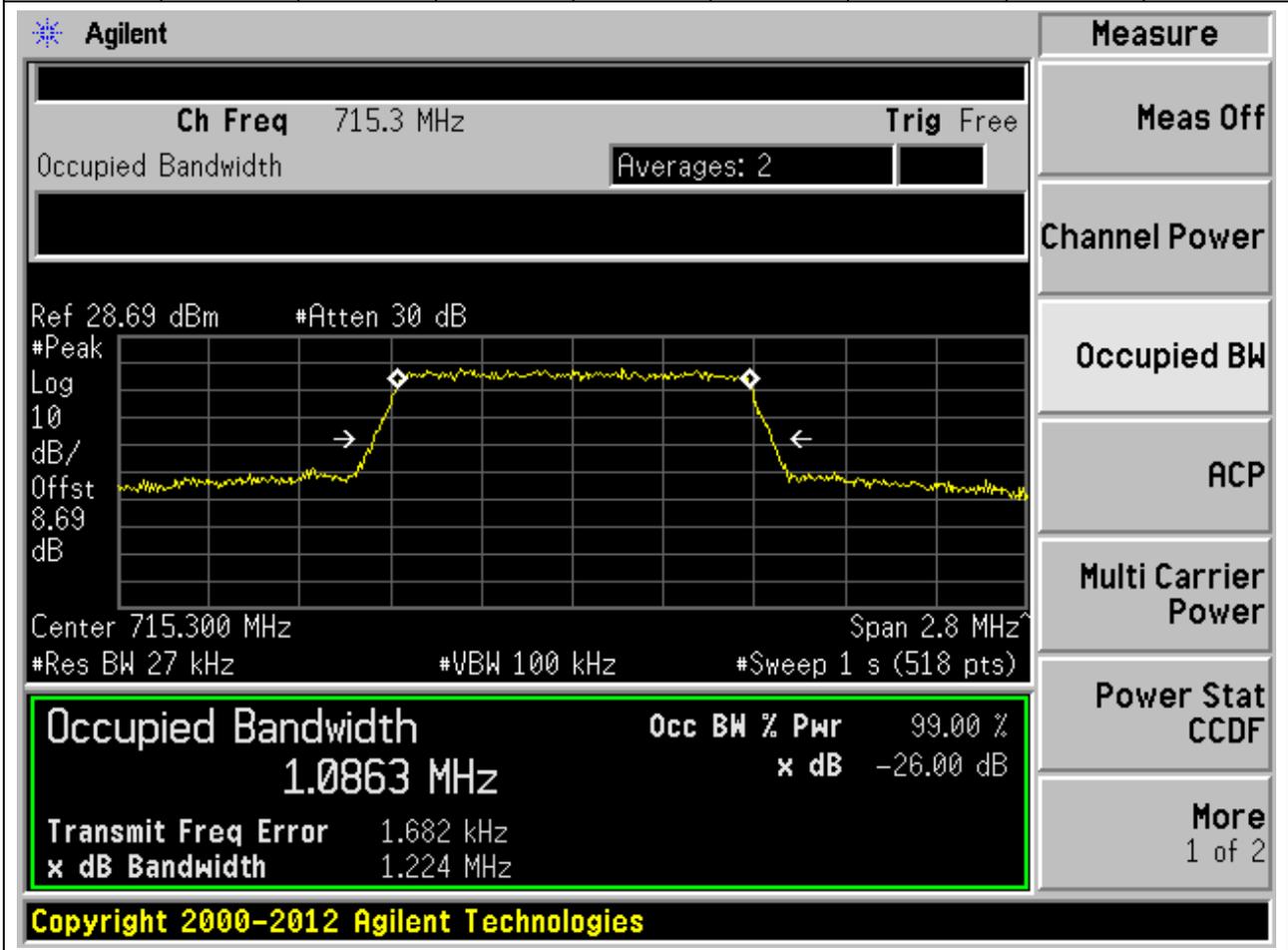
**5.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23173, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass



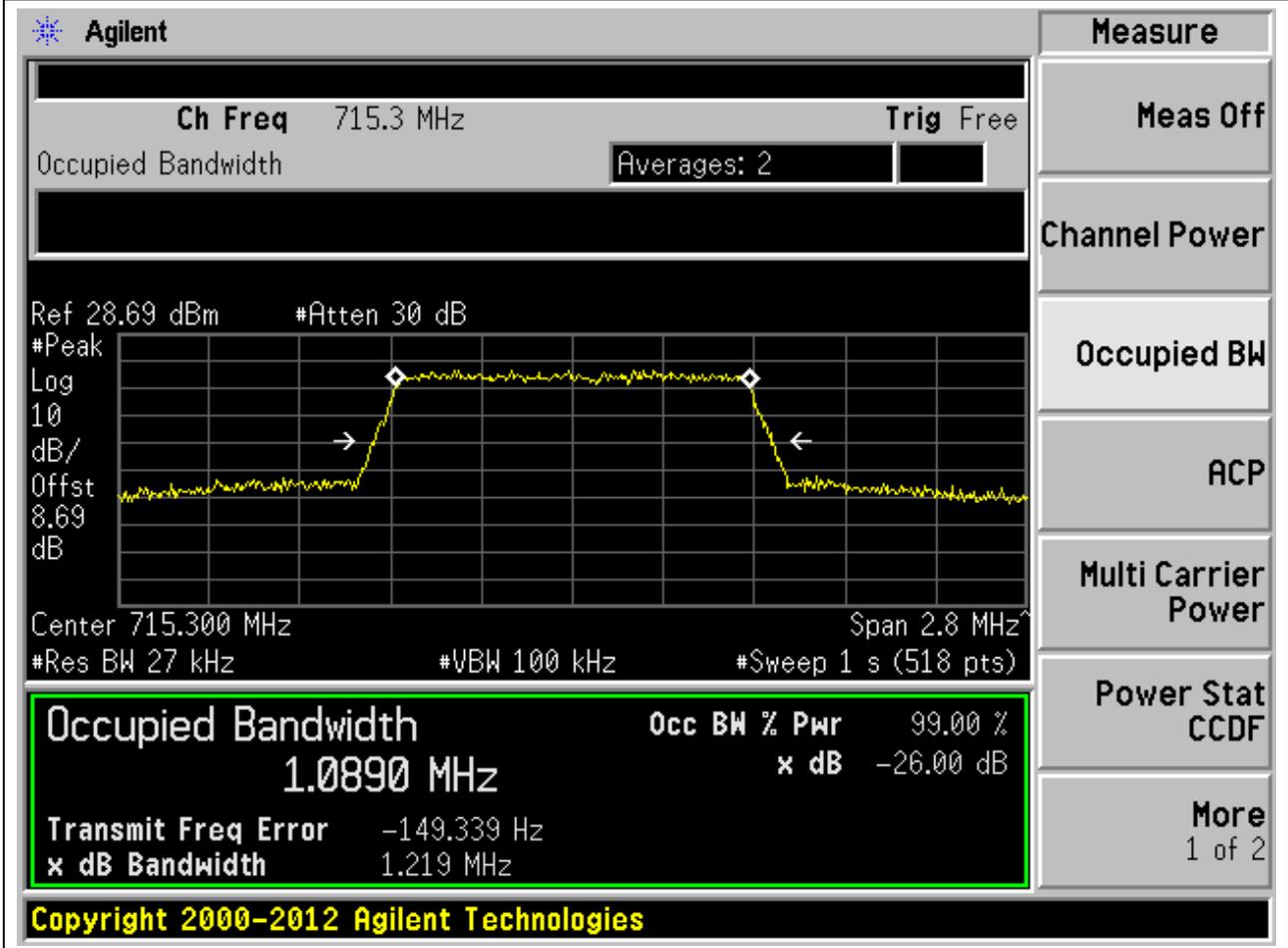
**5.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23173, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass



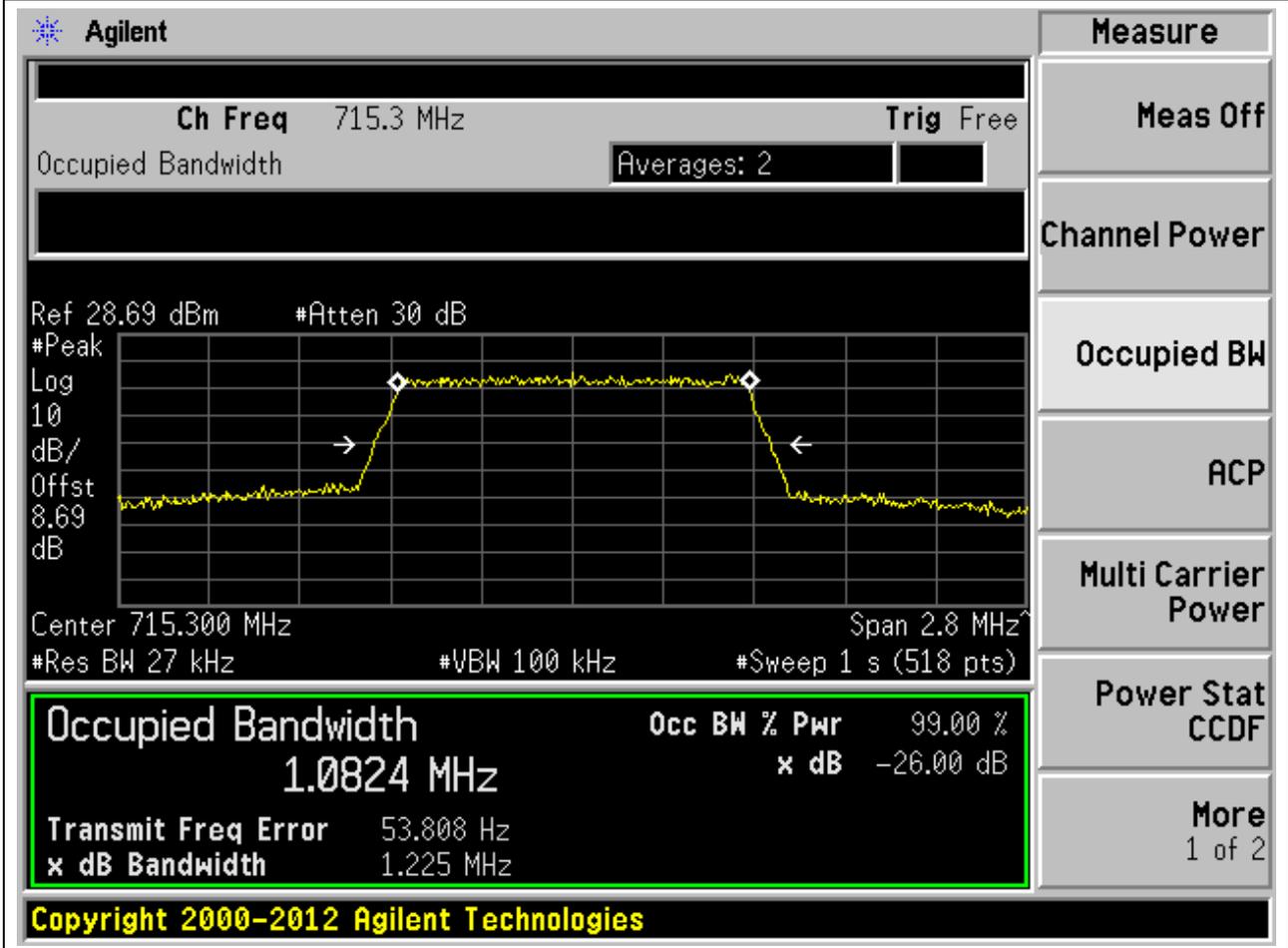
**5.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23173, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.09	1.22	1.4	Pass



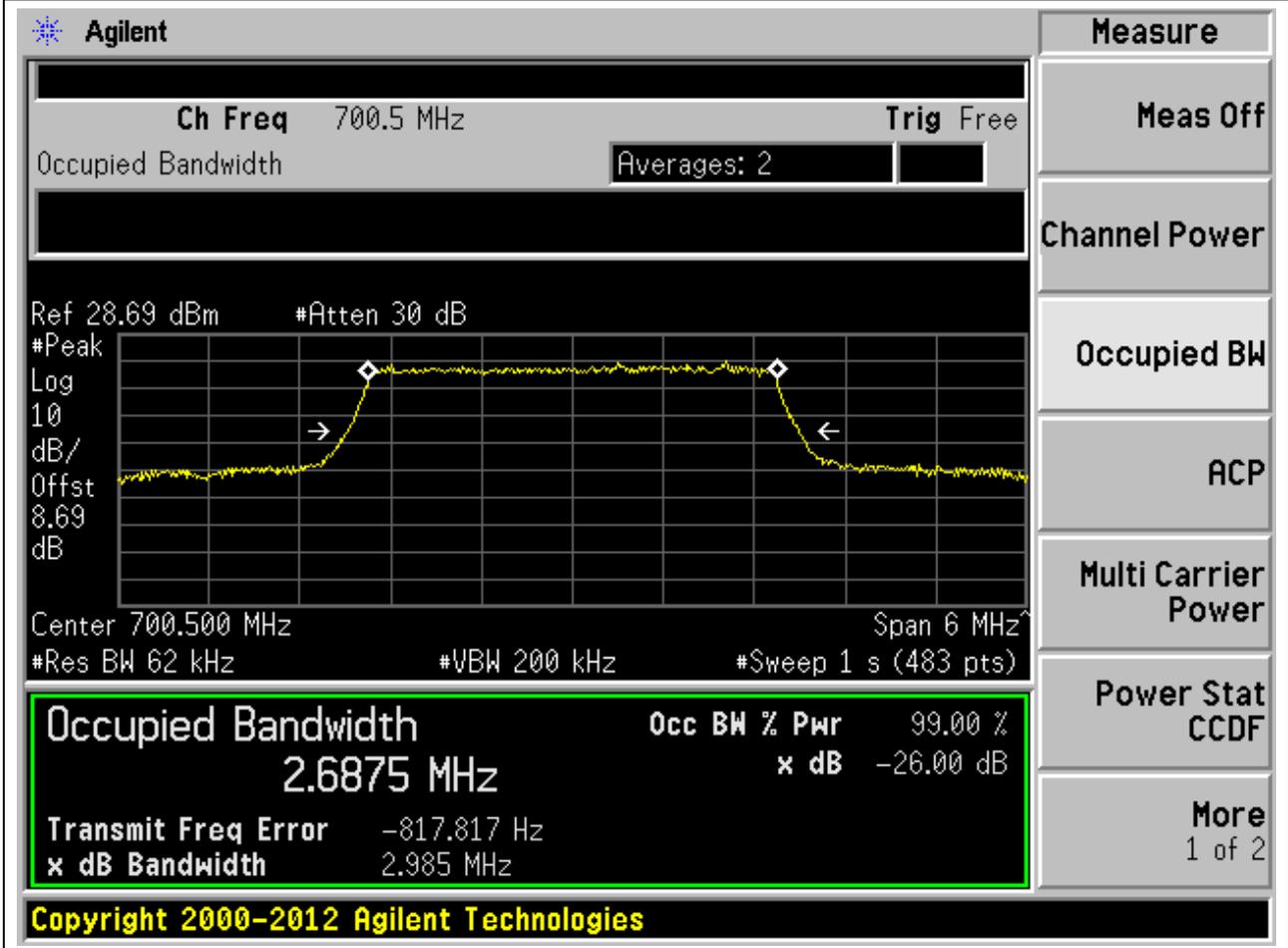
**5.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23173, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.08	1.23	1.4	Pass



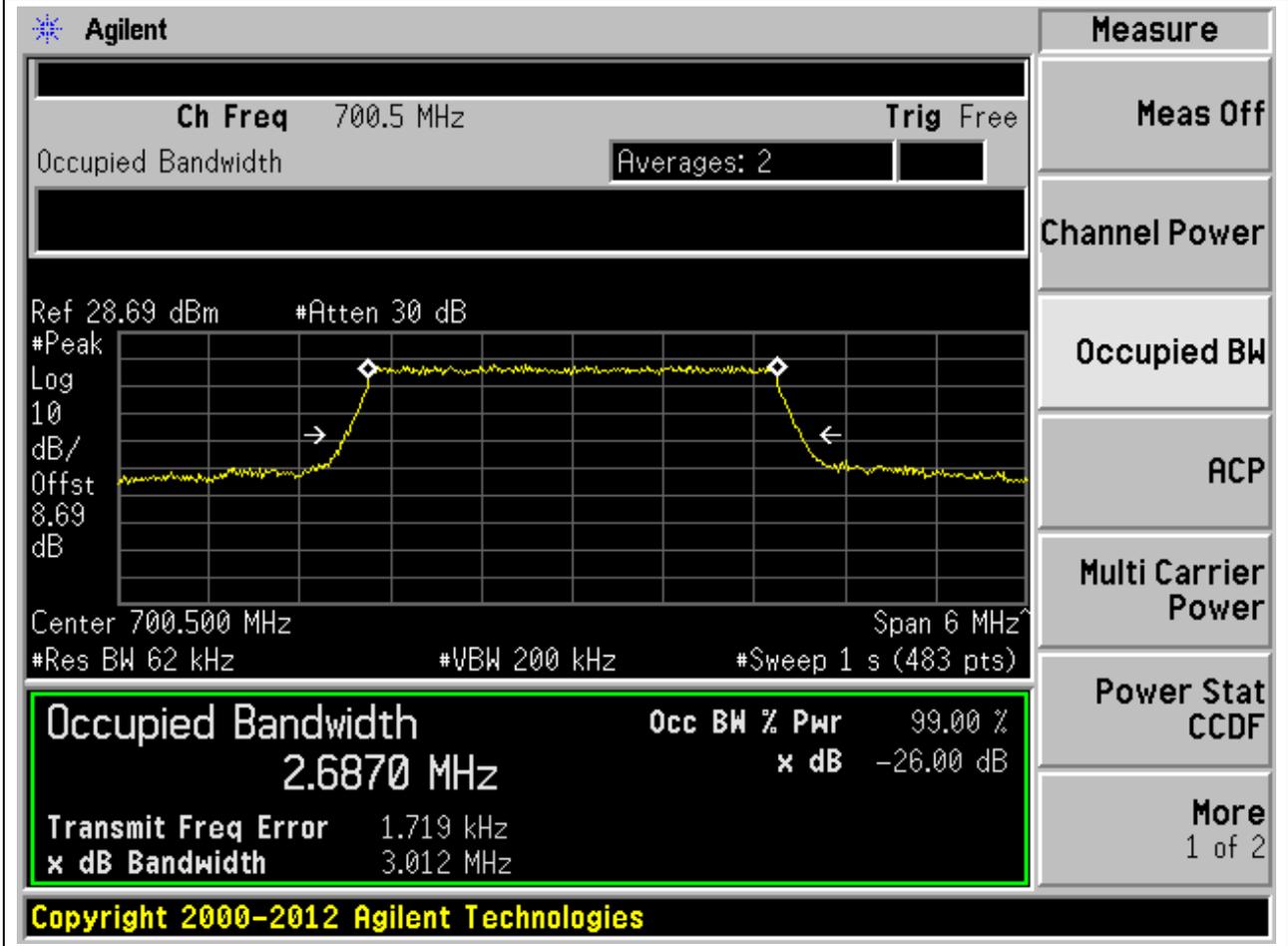
**5.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23025, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.69	2.99	3	Pass



5.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23025, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.69	3.01	3	Pass



**5.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23025, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.69	2.98	3	Pass

**Agilent**

Ch Freq 700.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.69 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.69 dB

Center 700.500 MHz Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6895 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	6.160 kHz	
<b>x dB Bandwidth</b>	2.985 MHz	

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**5.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23025, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.69	3.01	3	Pass

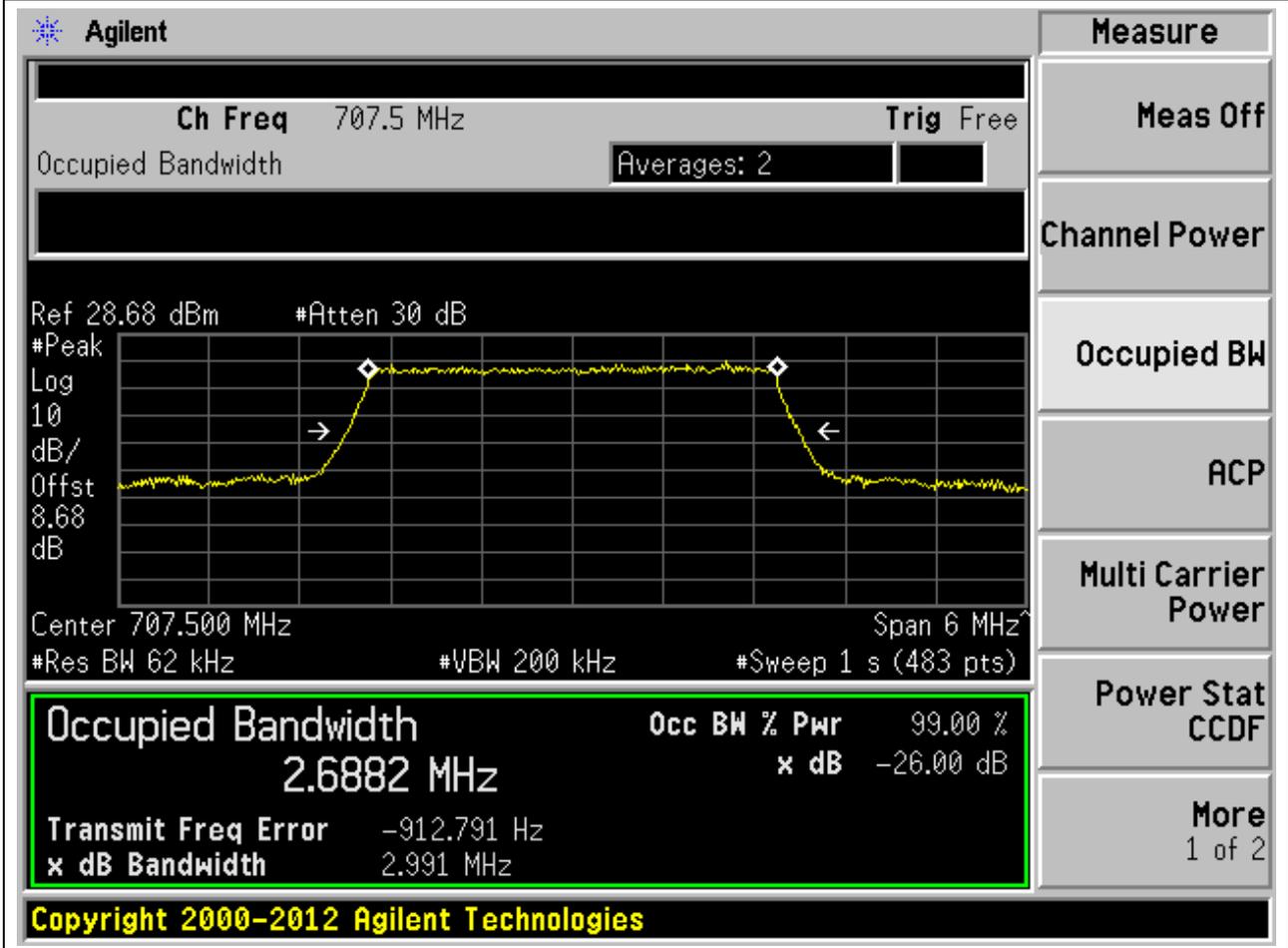
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 700.500 MHz, and the span is 6 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 2.6851 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters like Res BW, VBW, and Sweep time.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.6851 MHz	99.00 %	-26.00 dB

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**5.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.69	2.99	3	Pass



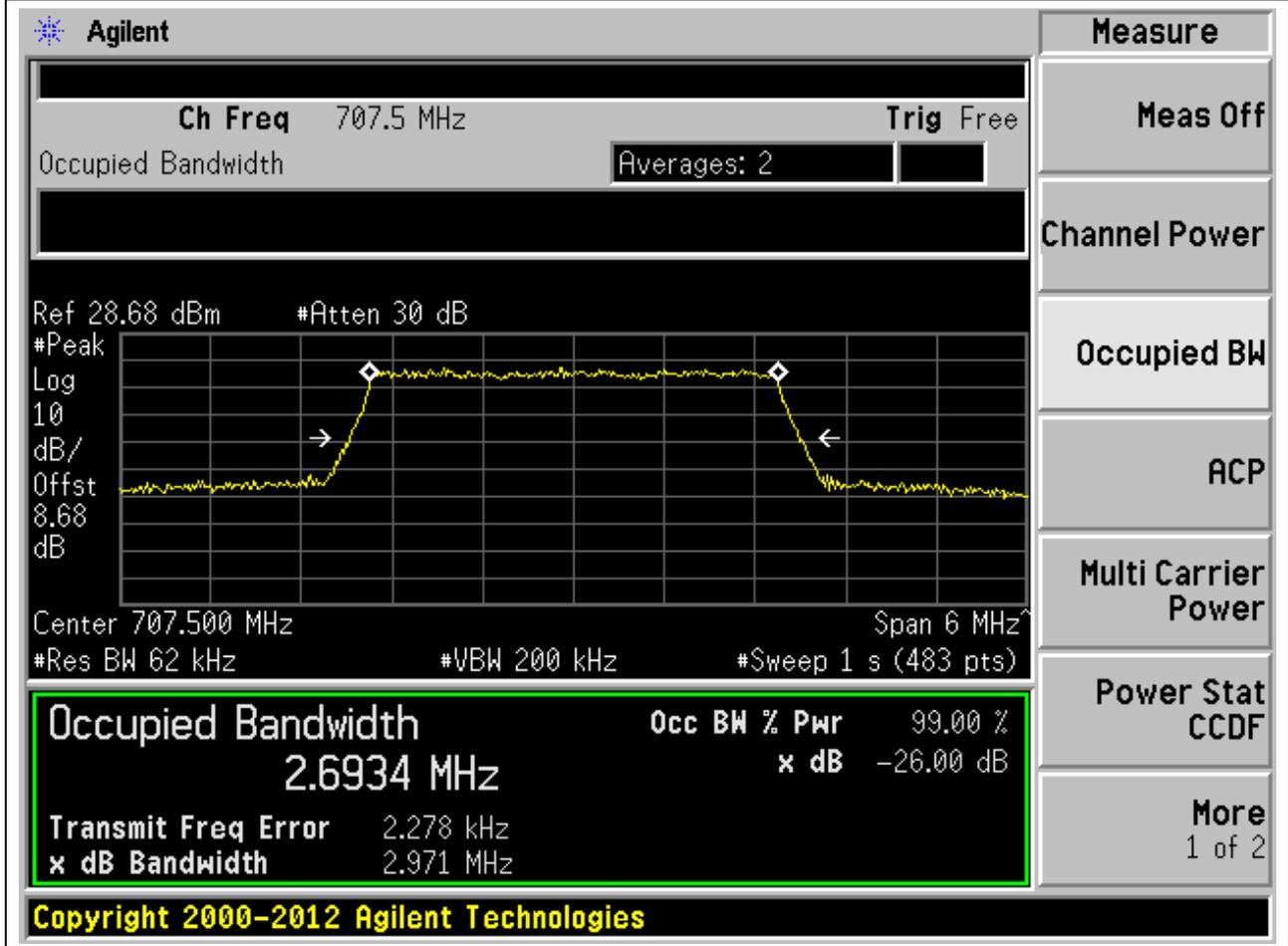
5.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.69	3	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 707.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.68 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.68 dB, Center 707.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, and #Sweep 1 s (483 pts). A green box highlights the measurement results: Occupied Bandwidth 2.6909 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error 1.059 kHz, and x dB Bandwidth 3.003 MHz. On the right side, there is a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More 1 of 2. The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

**5.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.69	2.97	3	Pass



**5.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.69	3.01	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 707.500 MHz, and the span is 6 MHz. The occupied bandwidth is measured as 2.6911 MHz. The power is 99.00% and the XdB down is -26.00 dB. The detector is set to Peak. The upper limit is 3 MHz. The verdict is Pass.

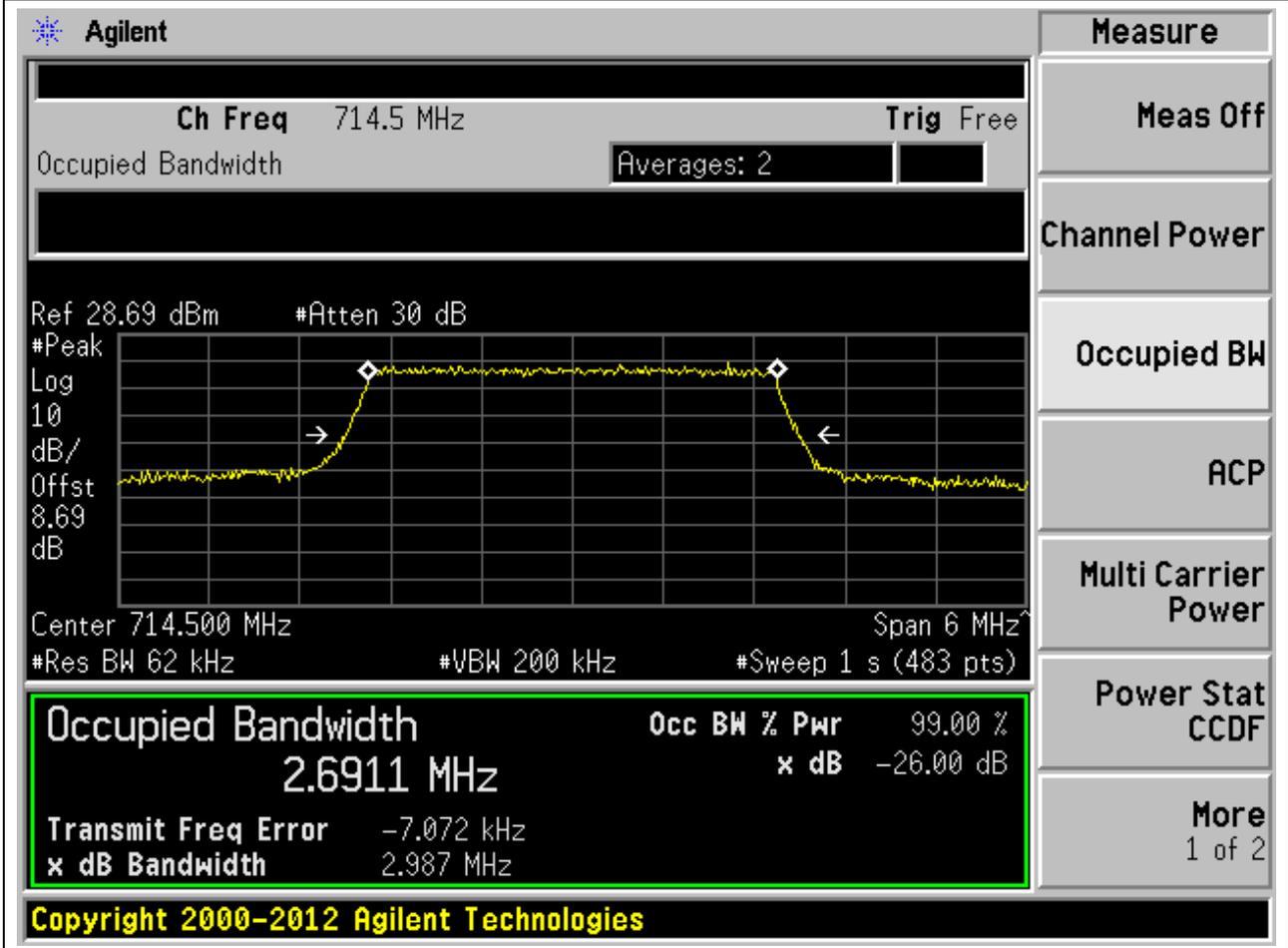
Occupied Bandwidth	Occ BW % Pwr	x dB
2.6911 MHz	99.00 %	-26.00 dB

Other parameters shown in the screenshot include: Ch Freq 707.5 MHz, Trig Free, Averages: 2, Ref 28.68 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 8.68 dB, Center 707.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts), Transmit Freq Error -556.158 Hz, x dB Bandwidth 3.010 MHz.

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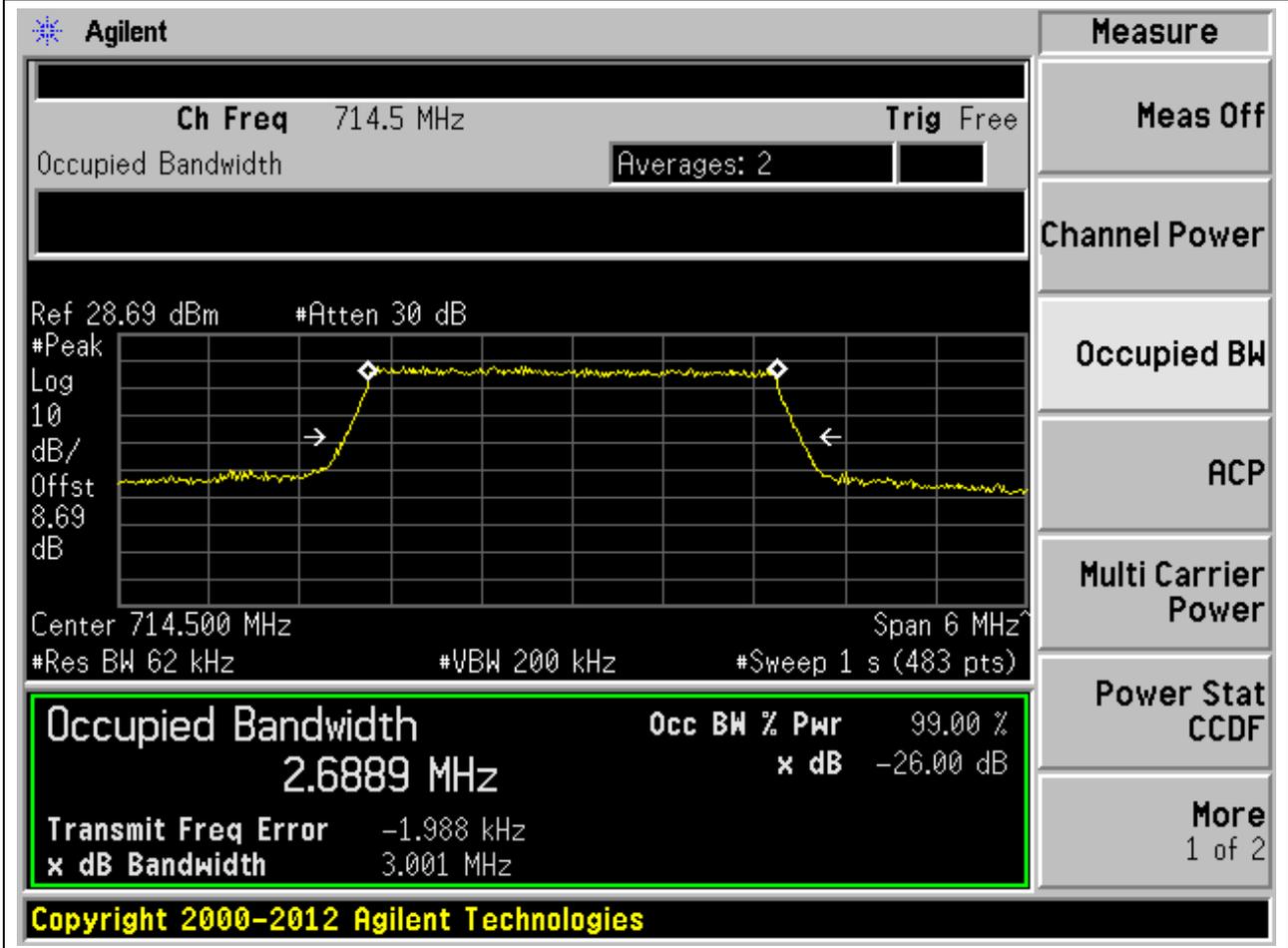
**5.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23165, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.69	2.99	3	Pass



**5.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23165, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.69	3	3	Pass



**5.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23165, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.69	2.98	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 714.5 MHz. The occupied bandwidth is highlighted in green, showing a value of 2.6870 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.6870 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 651.878 Hz  
x dB Bandwidth: 2.984 MHz

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**5.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23165, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.69	3.01	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 714.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.69 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.69 dB, Center 714.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, and #Sweep 1 s (483 pts). A green box highlights the measurement results: Occupied Bandwidth 2.6871 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error -2.598 kHz, and x dB Bandwidth 3.010 MHz. On the right side, there is a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More 1 of 2. The bottom of the screen shows the copyright notice: Copyright 2000-2012 Agilent Technologies.

**5.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23035, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.48	4.97	5	Pass

**Agilent**

Ch Freq 701.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.69 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.69 dB

Center 701.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4806 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-2.806 kHz
<b>x dB Bandwidth</b>		4.974 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**5.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23035, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.47	4.97	5	Pass

**Agilent**

Ch Freq 701.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.69 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.69 dB

Center 701.500 MHz Span 10 MHz

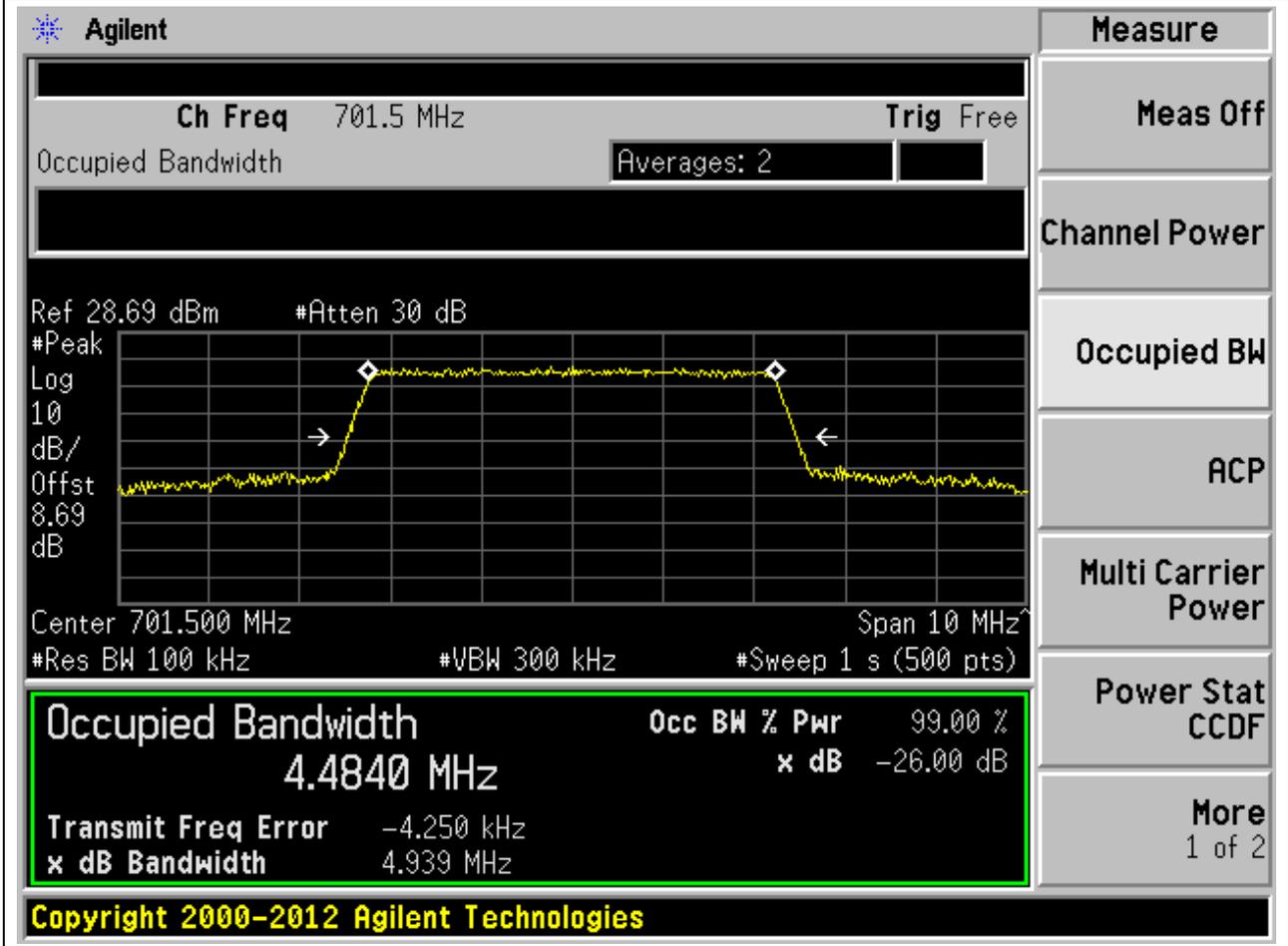
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4723 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	612.080 Hz	
<b>x dB Bandwidth</b>	4.968 MHz	

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**5.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23035, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.48	4.94	5	Pass



**5.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23035, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.47	4.9	5	Pass

**Agilent**

Ch Freq 701.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.69 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.69 dB

Center 701.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4699 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-512.992 Hz
<b>x dB Bandwidth</b>		4.897 MHz

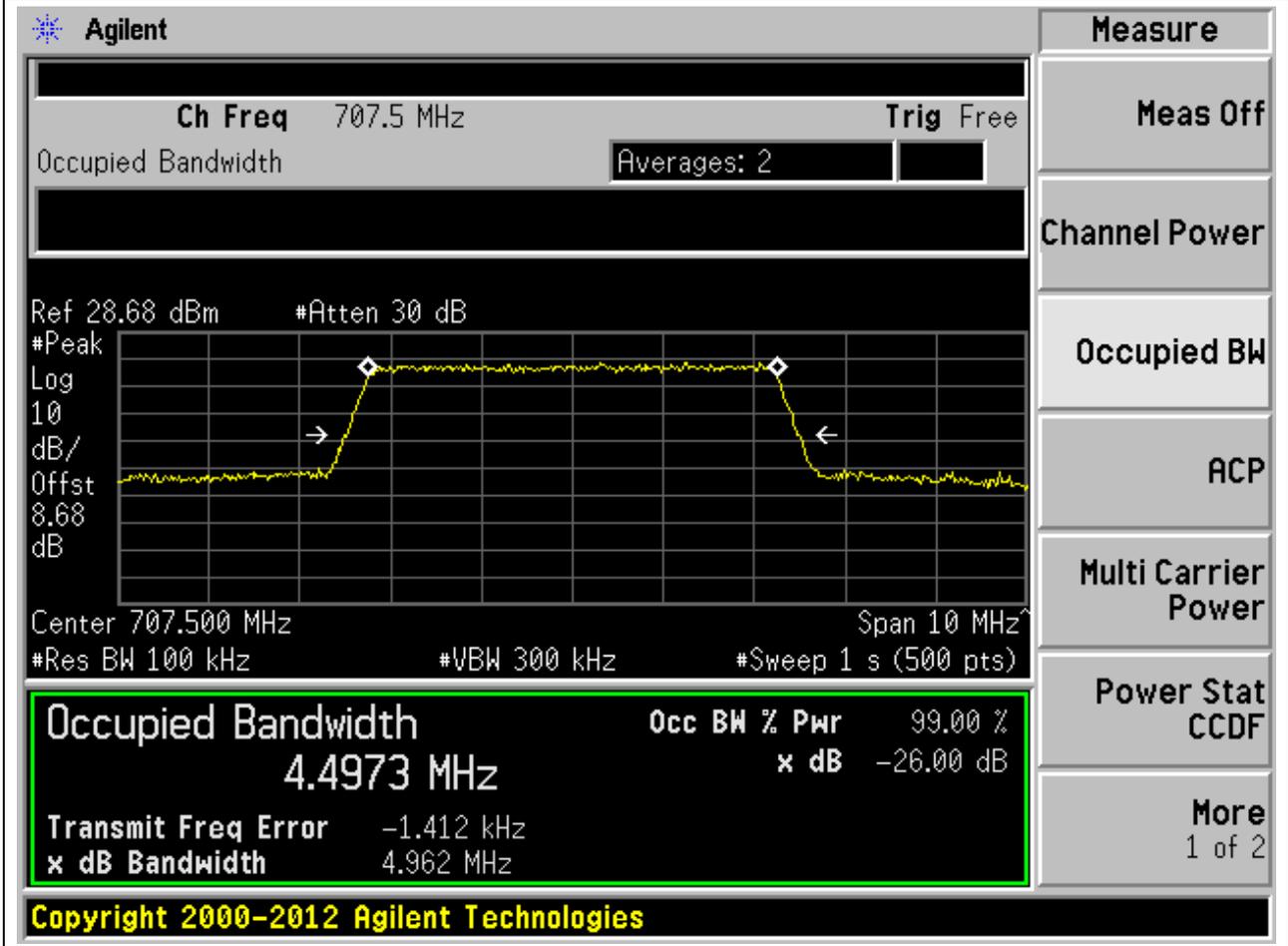
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**Measure**

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

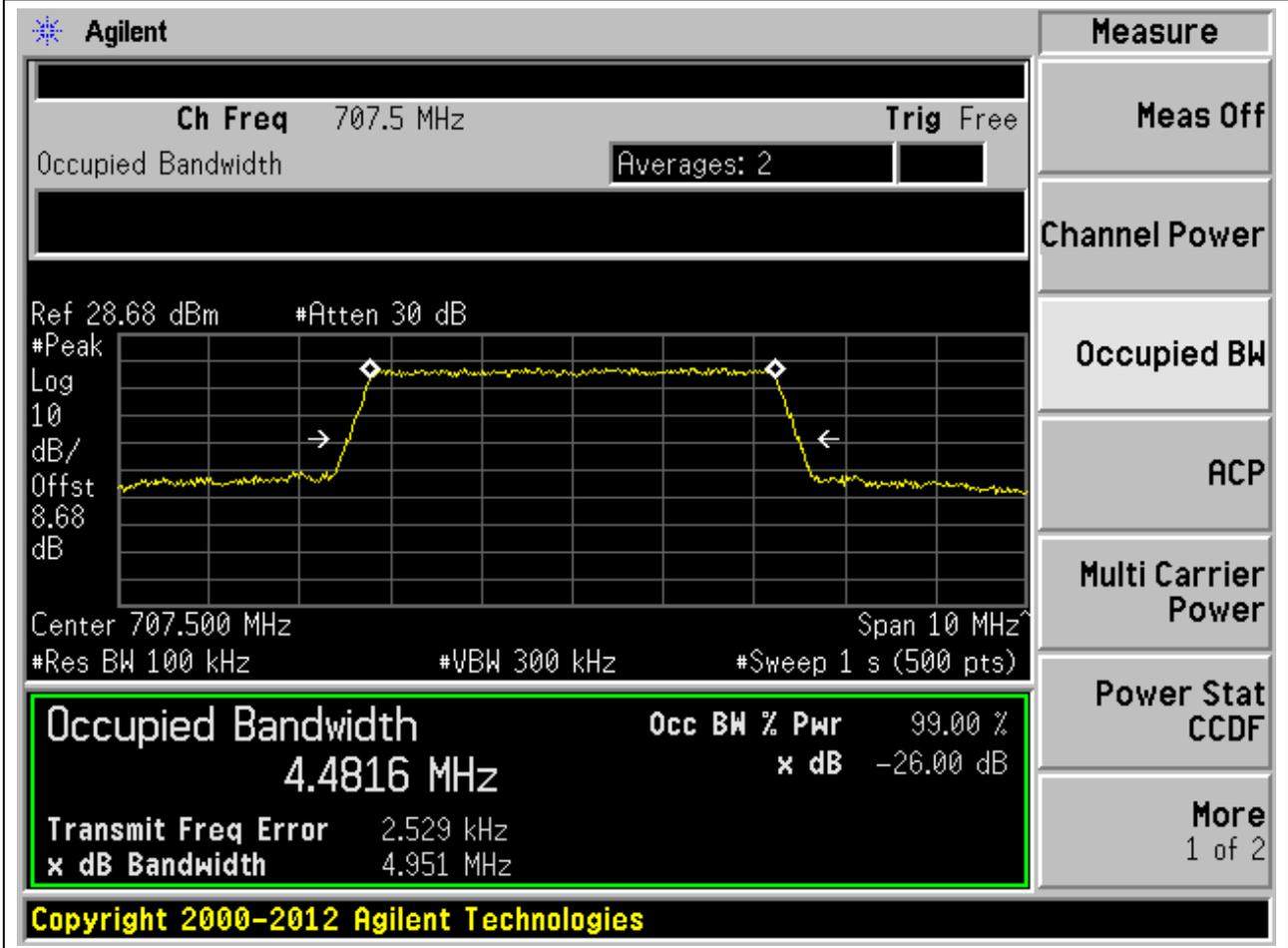
**5.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.5	4.96	5	Pass



**5.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.48	4.95	5	Pass



**5.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.49	4.95	5	Pass

**Agilent**

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 707.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4909 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.889 kHz
<b>x dB Bandwidth</b>		4.953 MHz

**Measure**

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

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**5.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.48	4.91	5	Pass

**Agilent**

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 707.500 MHz Span 10 MHz

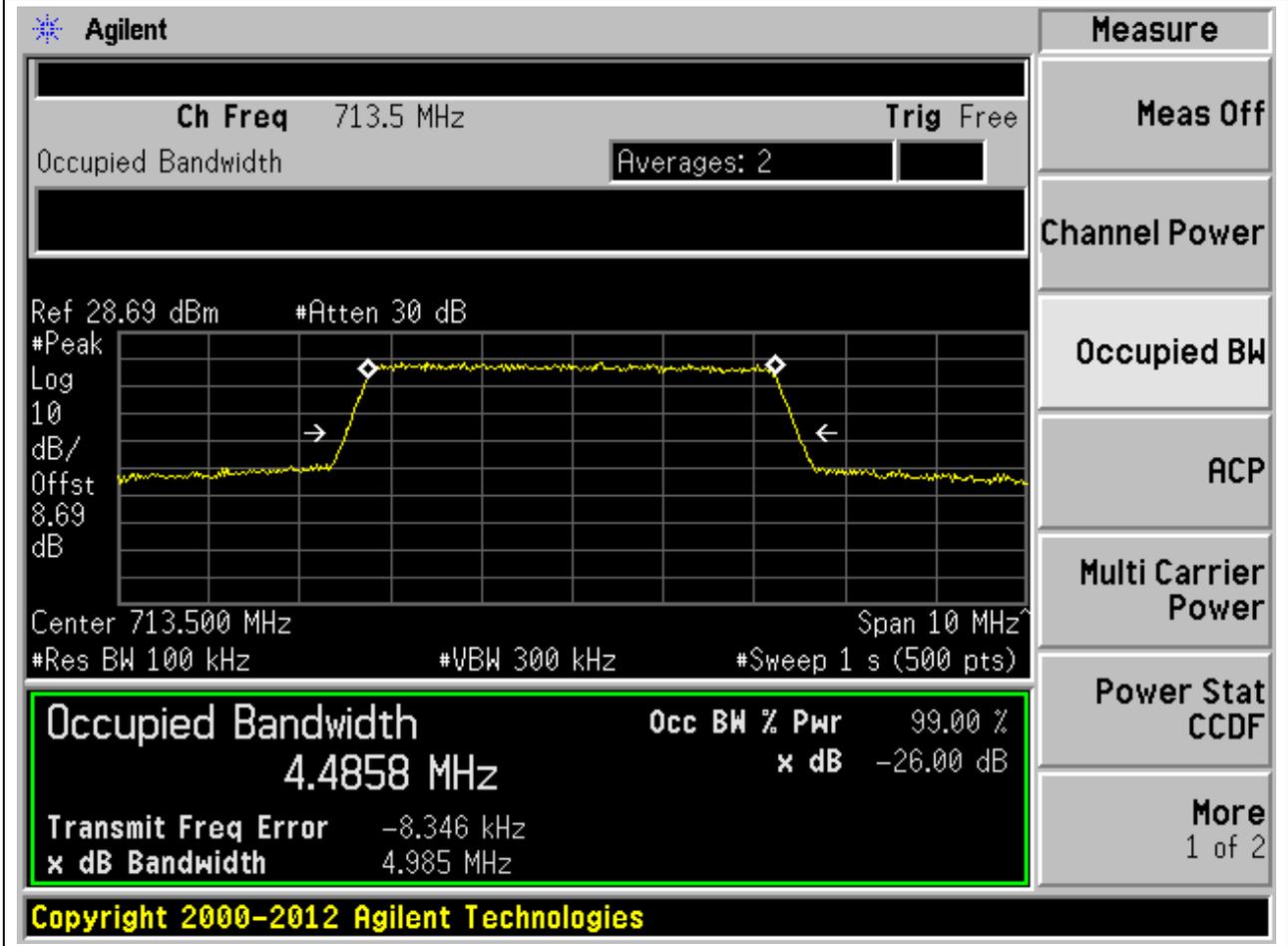
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4820 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	1.267 kHz	
<b>x dB Bandwidth</b>	4.910 MHz	

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**5.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23155, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.49	4.99	5	Pass



**5.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23155, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

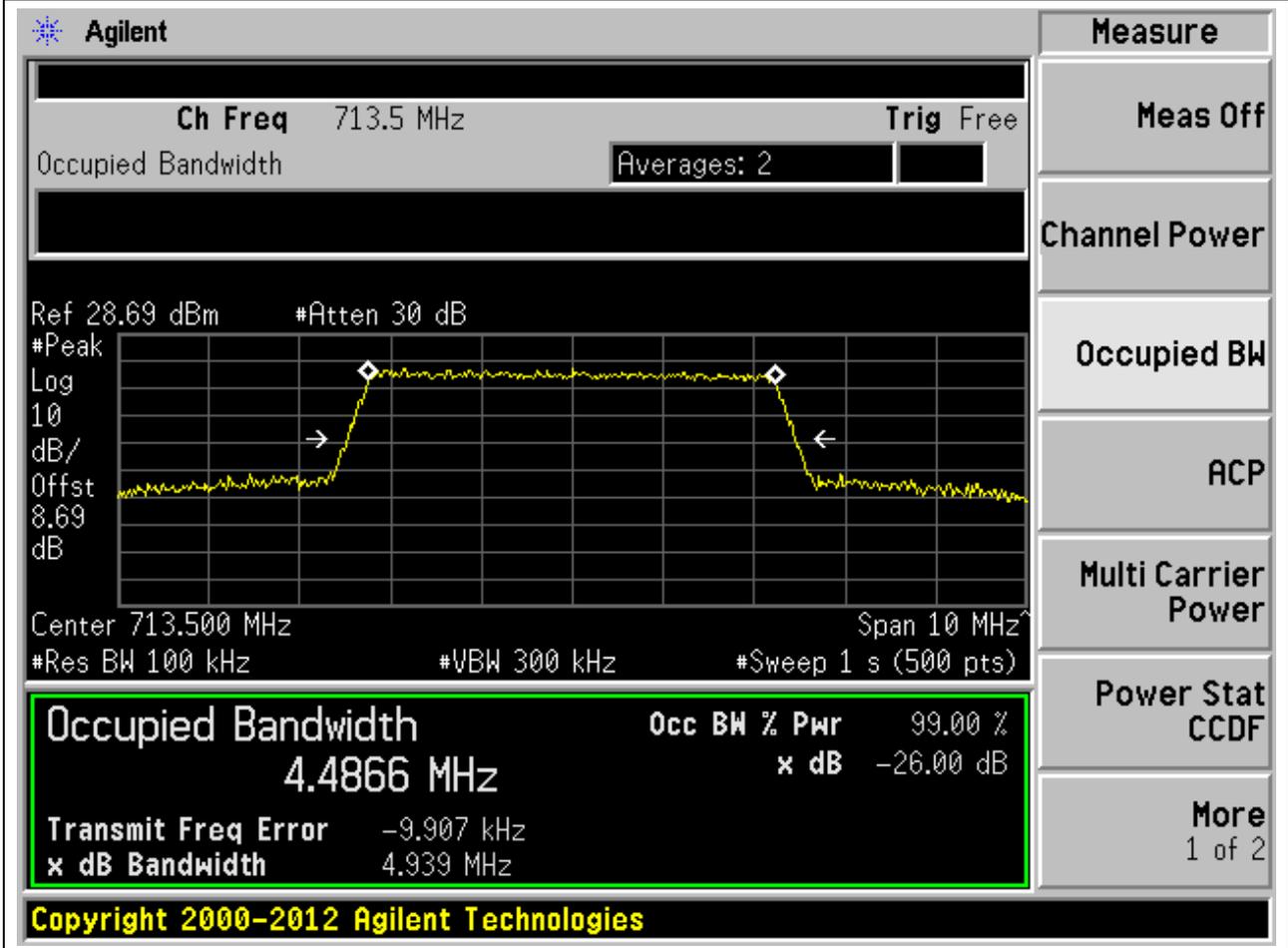
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.47	4.97	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 713.5 MHz and the trigger is set to Free. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 28.69 dBm, an attenuation of 30 dB, a center frequency of 713.500 MHz, a span of 10 MHz, a resolution bandwidth of 100 kHz, a video bandwidth of 300 kHz, and a sweep time of 1 second. The Occupied Bandwidth (OBW) is measured as 4.4747 MHz, which is 99.00% of the power. The XdB Bandwidth is 4.969 MHz, and the XdB Down is -26.00 dB. The Transmit Frequency Error is -2.780 kHz. The interface also shows 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 copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4747 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.780 kHz
x dB Bandwidth		4.969 MHz

**5.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23155, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.49	4.94	5	Pass



**5.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23155, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.47	4.9	5	Pass

Agilent

Measure

Ch Freq 713.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.69 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.69

dB

Center 713.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4669 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -7.274 kHz	
<b>x dB Bandwidth</b> 4.899 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

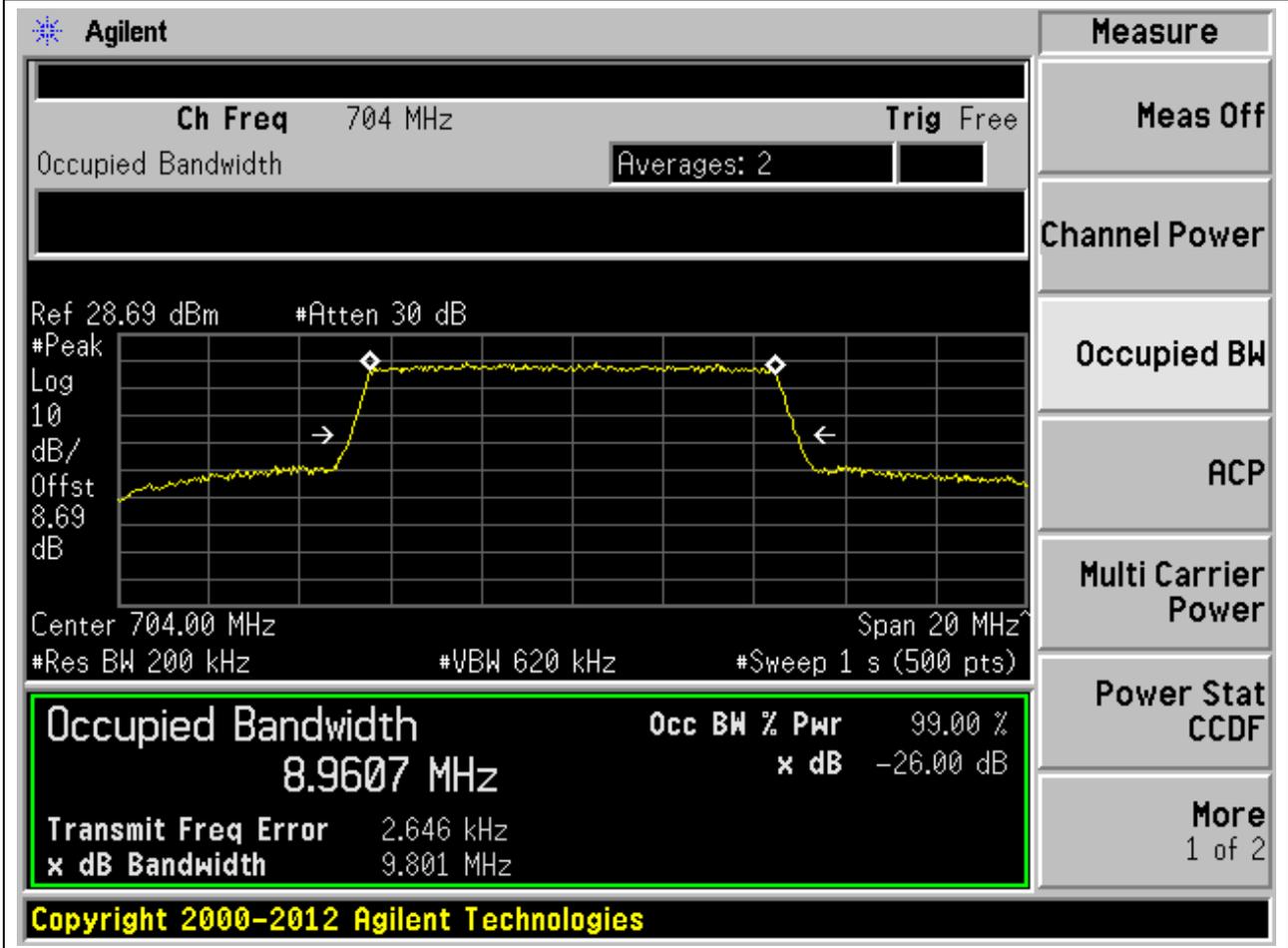
Power Stat CCDF

More 1 of 2

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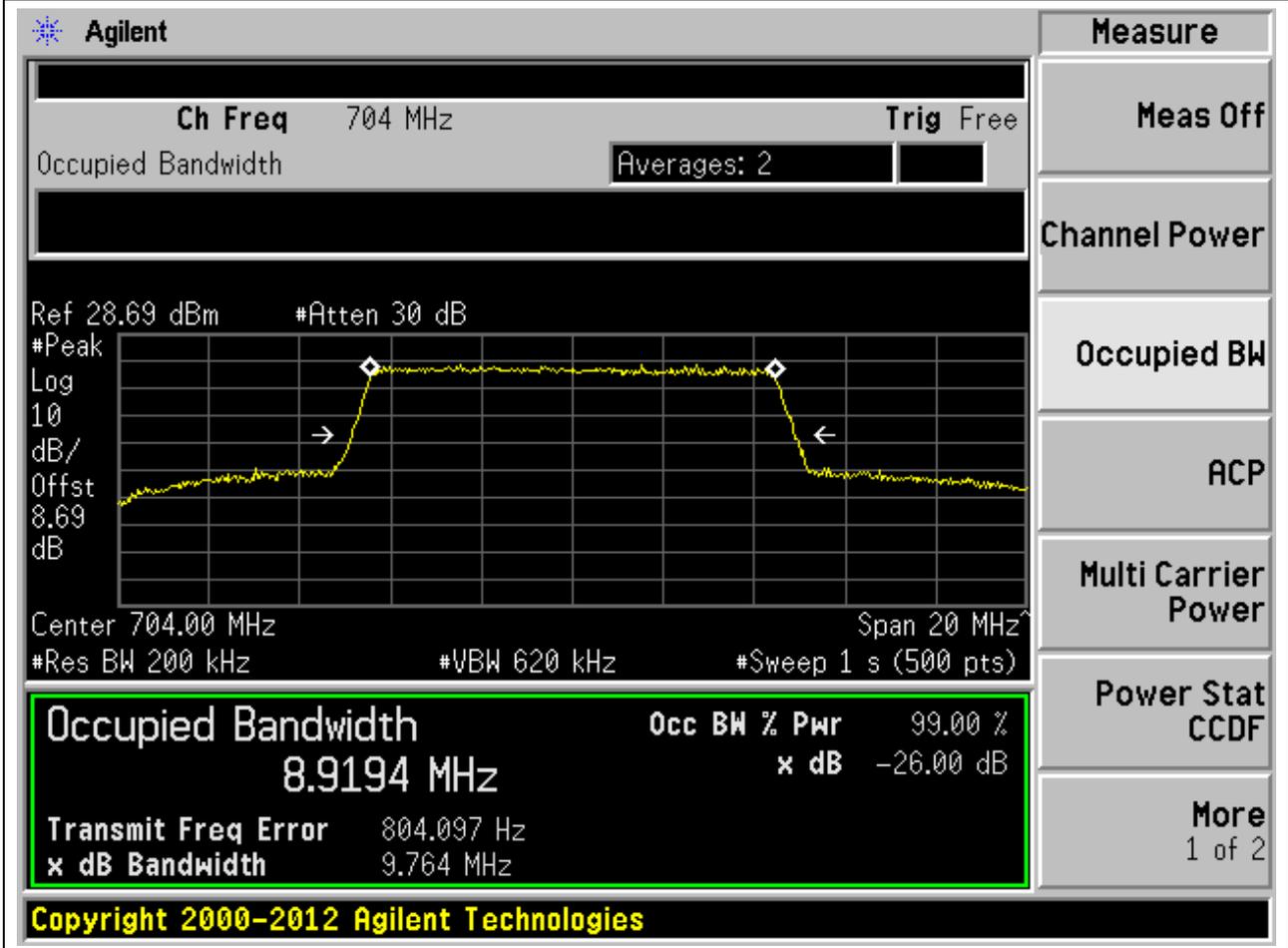
**5.37. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.96	9.8	10	Pass



**5.38. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23060, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.92	9.76	10	Pass



**5.39. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23060, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.95	9.81	10	Pass

**Agilent**

Ch Freq 704 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.69 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.69 dB

Center 704.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9478 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.783 kHz
<b>x dB Bandwidth</b>		9.810 MHz

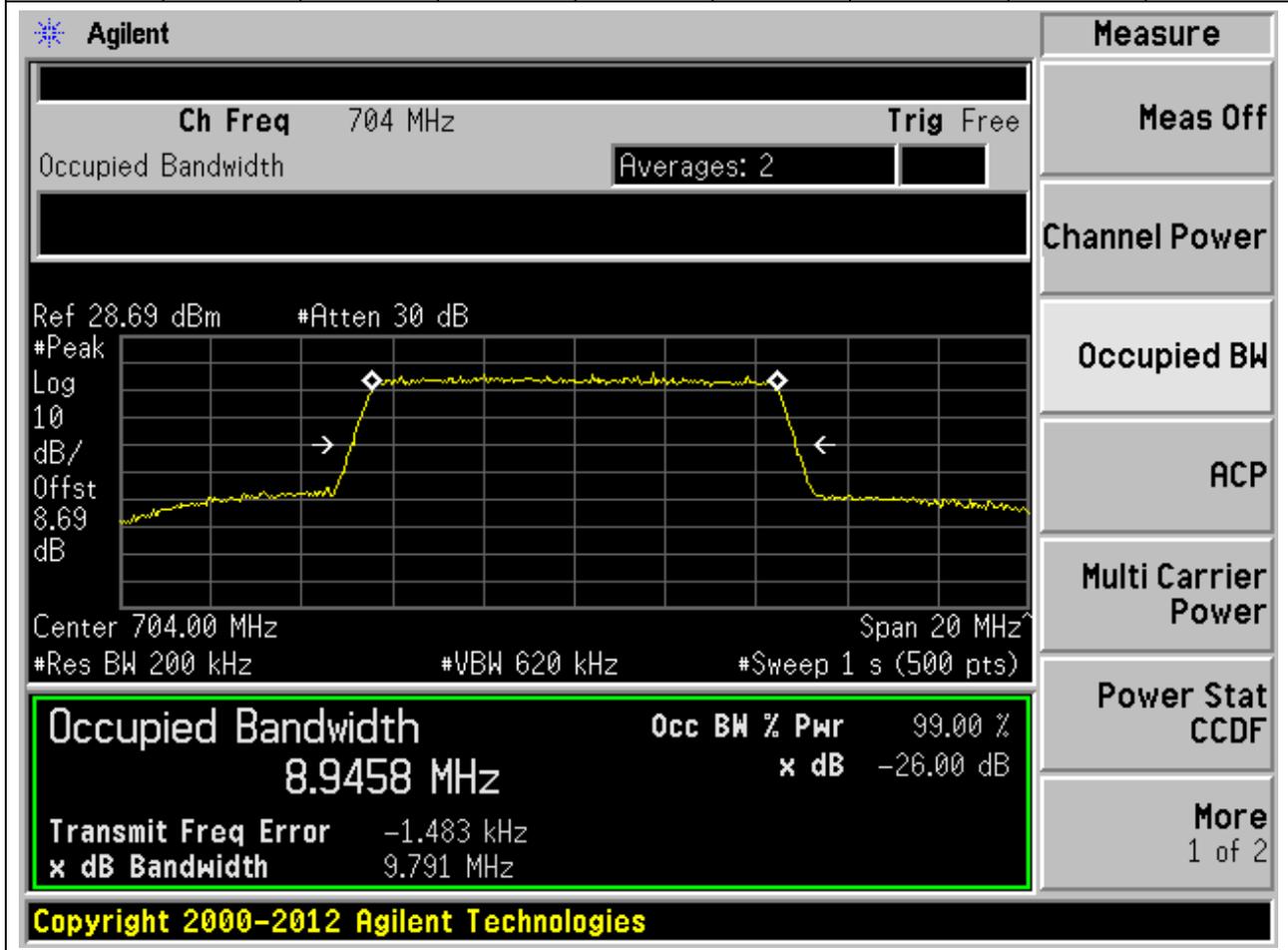
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**Measure**

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

**5.40. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23060, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.95	9.79	10	Pass



**5.41. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.97	9.83	10	Pass

Agilent

Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.68 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.68

dB

Center 707.50 MHz
Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9740 MHz	x dB -26.00 dB
Transmit Freq Error 10.232 kHz	
x dB Bandwidth 9.833 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

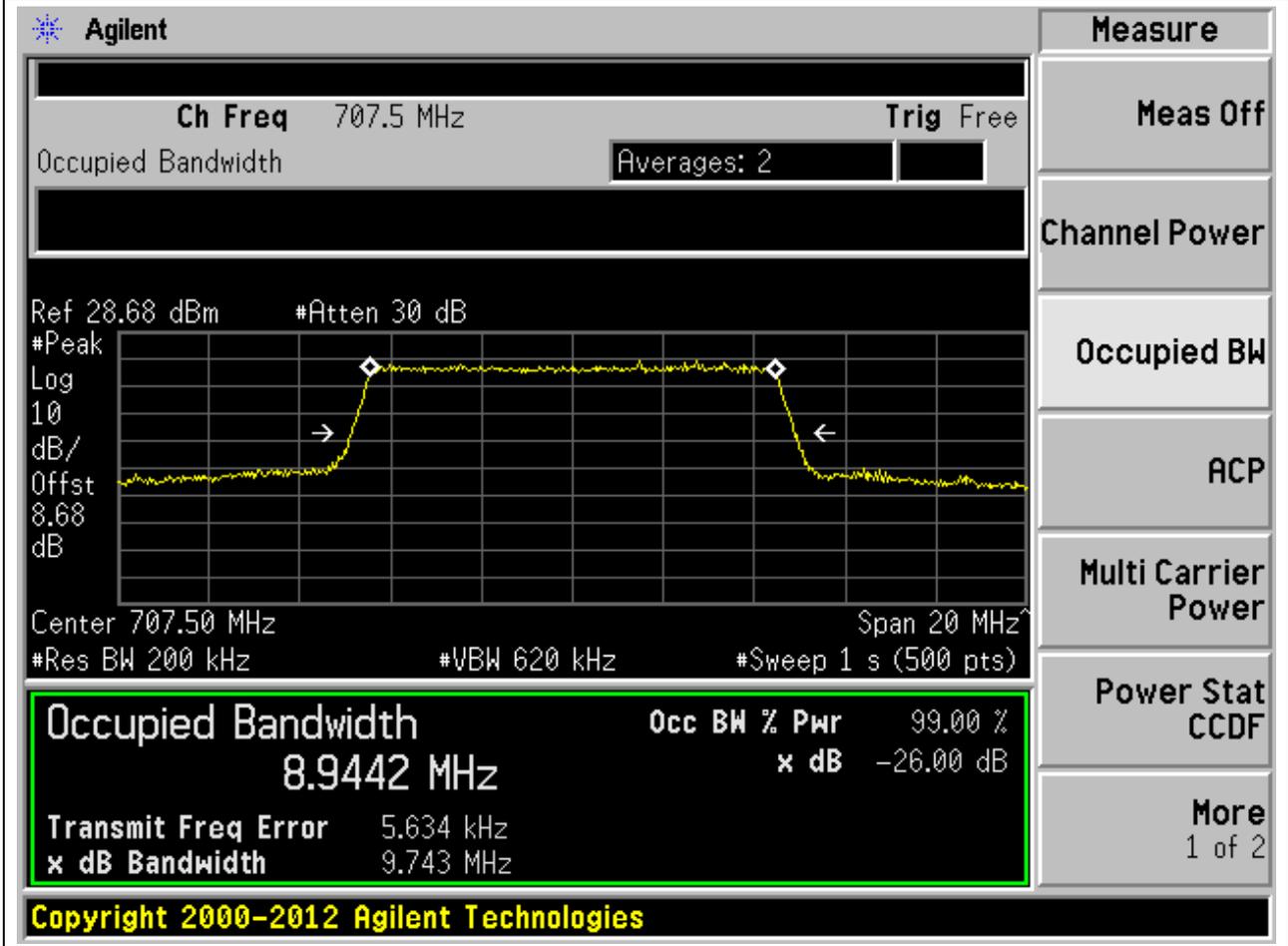
Power Stat CCDF

More  
1 of 2

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5.42. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.94	9.74	10	Pass



5.43. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.96	9.83	10	Pass

**Agilent**

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 707.50 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9593 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-2.200 kHz
<b>x dB Bandwidth</b>		9.826 MHz

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**Measure**

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

5.44. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23095, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.95	9.79	10	Pass

**Agilent**

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 707.50 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9512 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-6.980 kHz
<b>x dB Bandwidth</b>		9.792 MHz

**Measure**

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

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**5.45. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.94	9.75	10	Pass

**Agilent**

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 711.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9363 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	860.248 Hz	
<b>x dB Bandwidth</b>	9.754 MHz	

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**Measure**

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

**5.46. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23130, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.91	9.73	10	Pass

Agilent

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

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 711.00 MHz Span 20 MHz

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

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

8.9090 MHz x dB -26.00 dB

Transmit Freq Error -900.172 Hz

x dB Bandwidth 9.730 MHz

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**5.47. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23130, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.93	9.72	10	Pass

Agilent

Measure

Ch Freq 711 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.68 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.68

dB

Center 711.00 MHz
Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9274 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-1.351 kHz
<b>x dB Bandwidth</b>	9.719 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

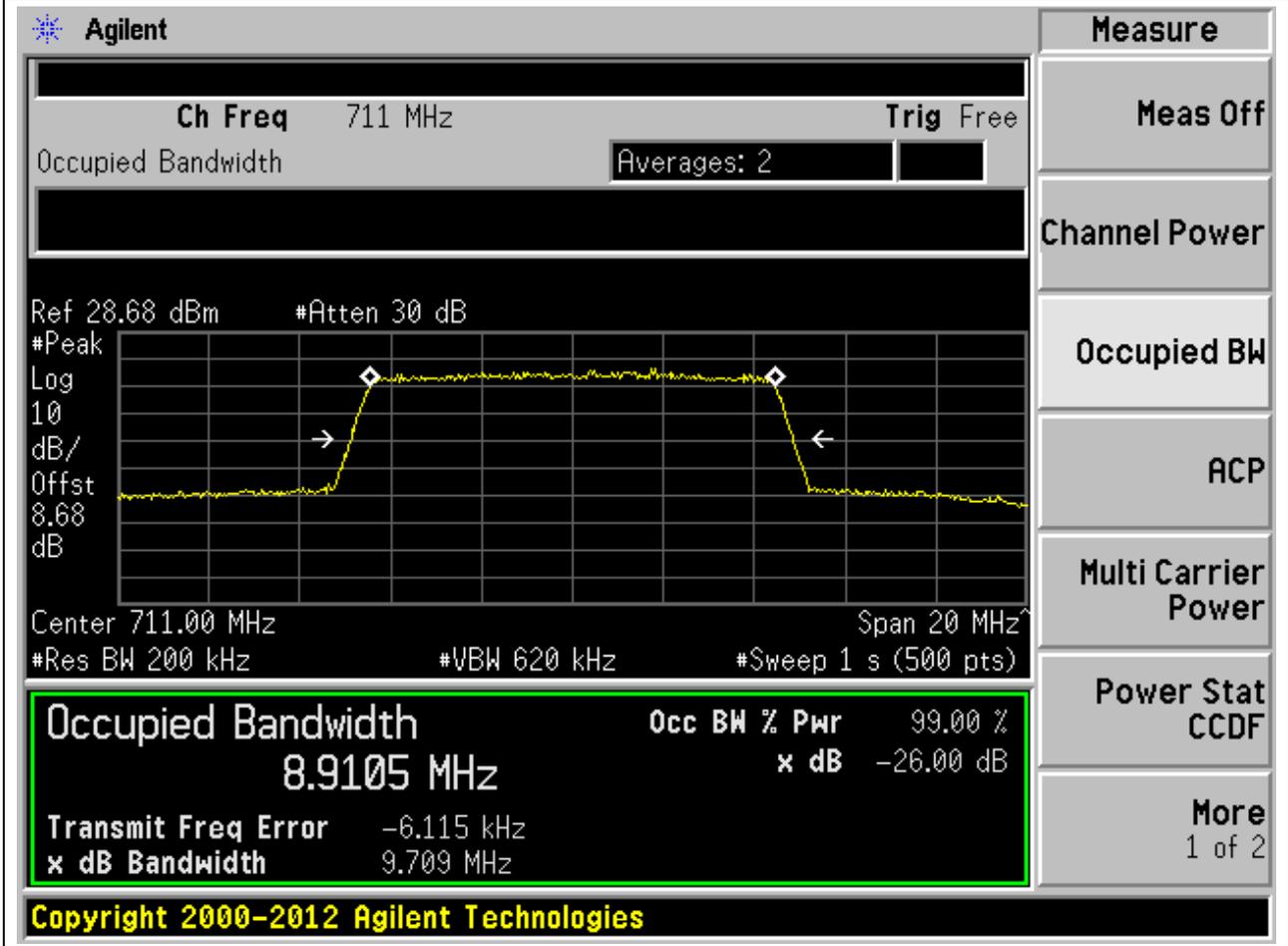
Power Stat CCDF

More  
1 of 2

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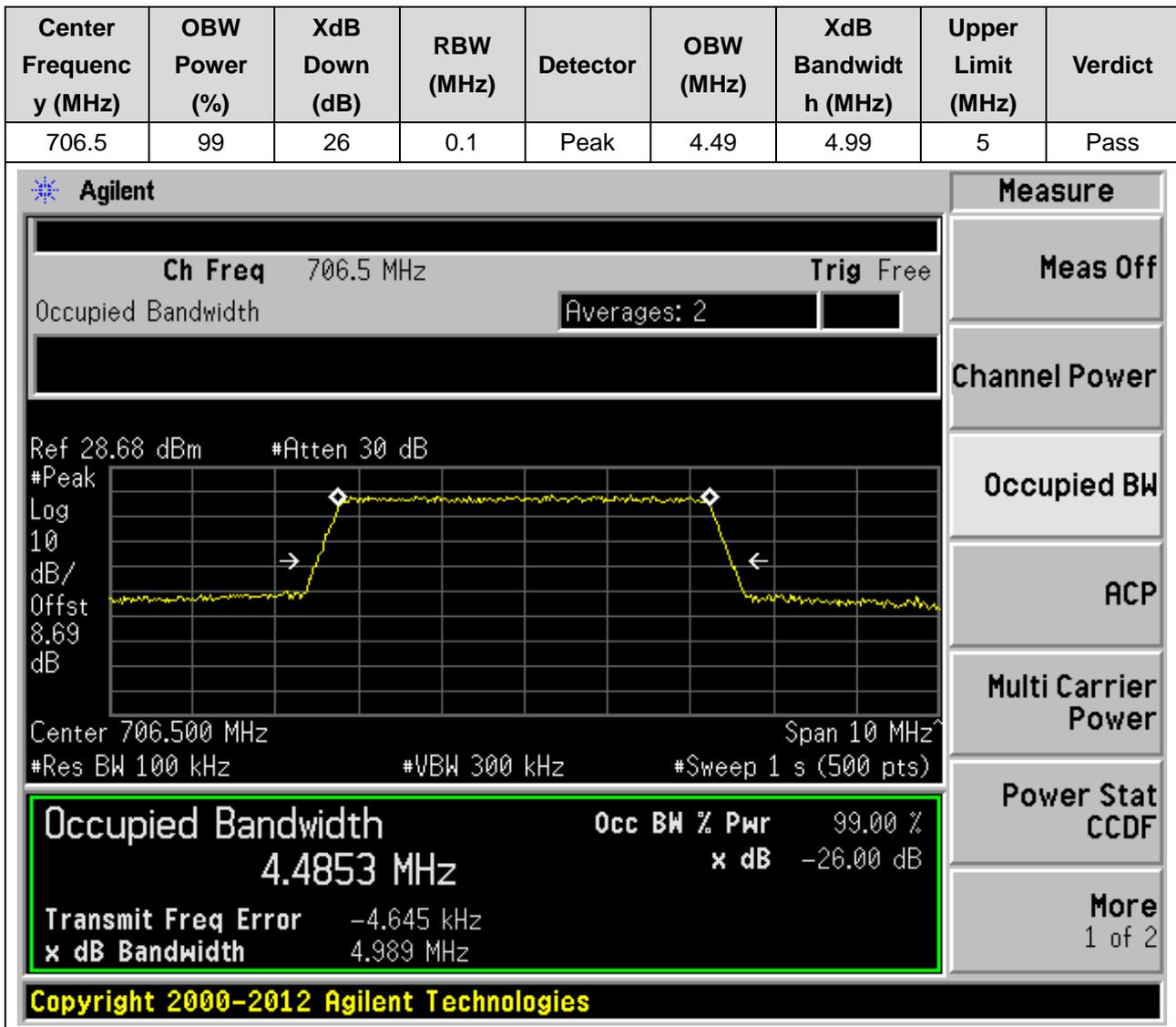
**5.48. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23130, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.91	9.71	10	Pass



## 6. LTE\_Band17

6.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



**6.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23755, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.48	4.98	5	Pass

Agilent

Measure

Ch Freq 706.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.68 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.69

dB

Center 706.500 MHz    Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4815 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -473.477 Hz	
<b>x dB Bandwidth</b> 4.984 MHz	

Power Stat CCDF

More 1 of 2

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**6.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23755, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.49	4.96	5	Pass

**Agilent**

Ch Freq 706.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.69 dB

Center 706.500 MHz Span 10 MHz

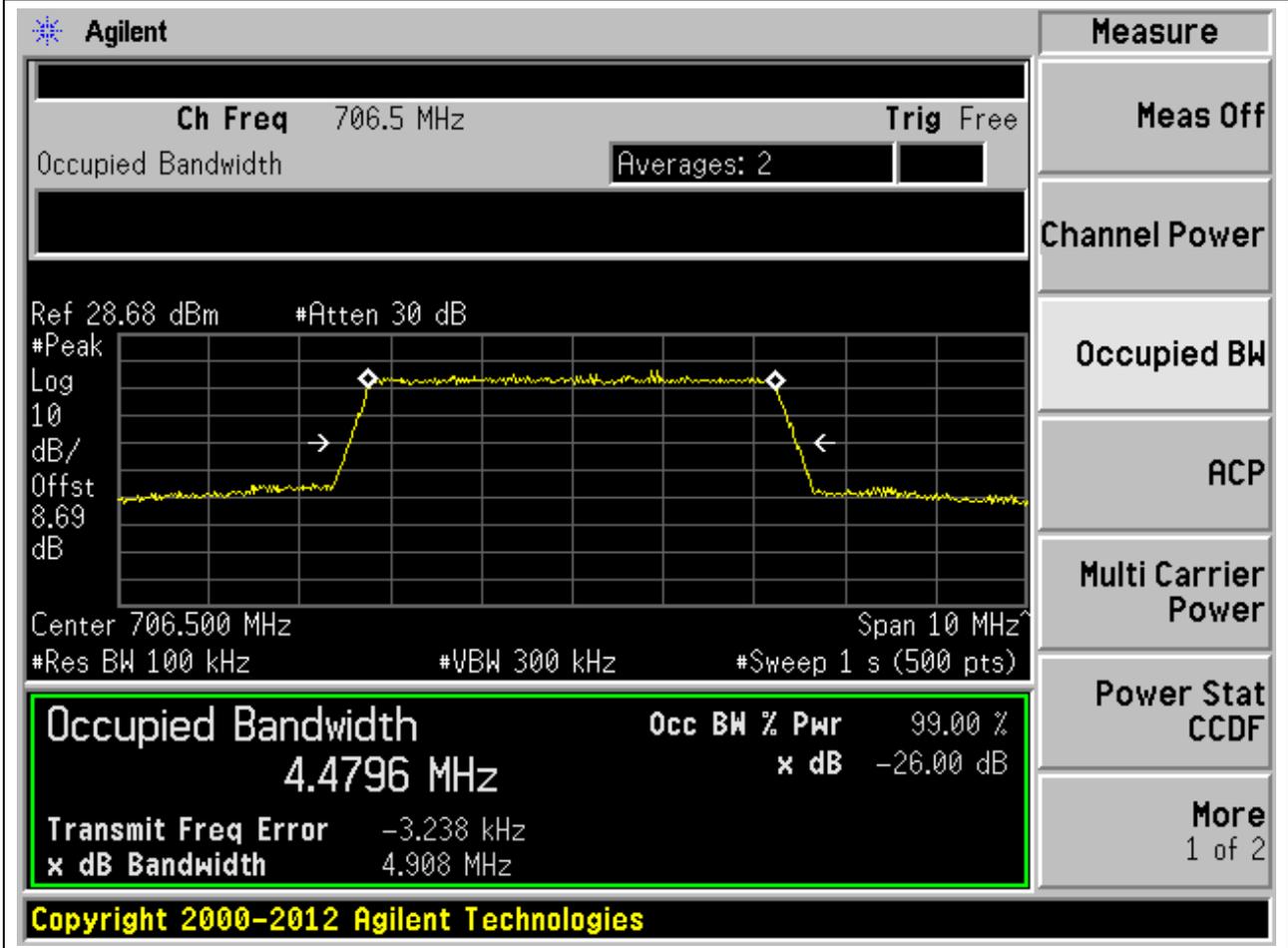
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4913 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.948 kHz
<b>x dB Bandwidth</b>		4.955 MHz

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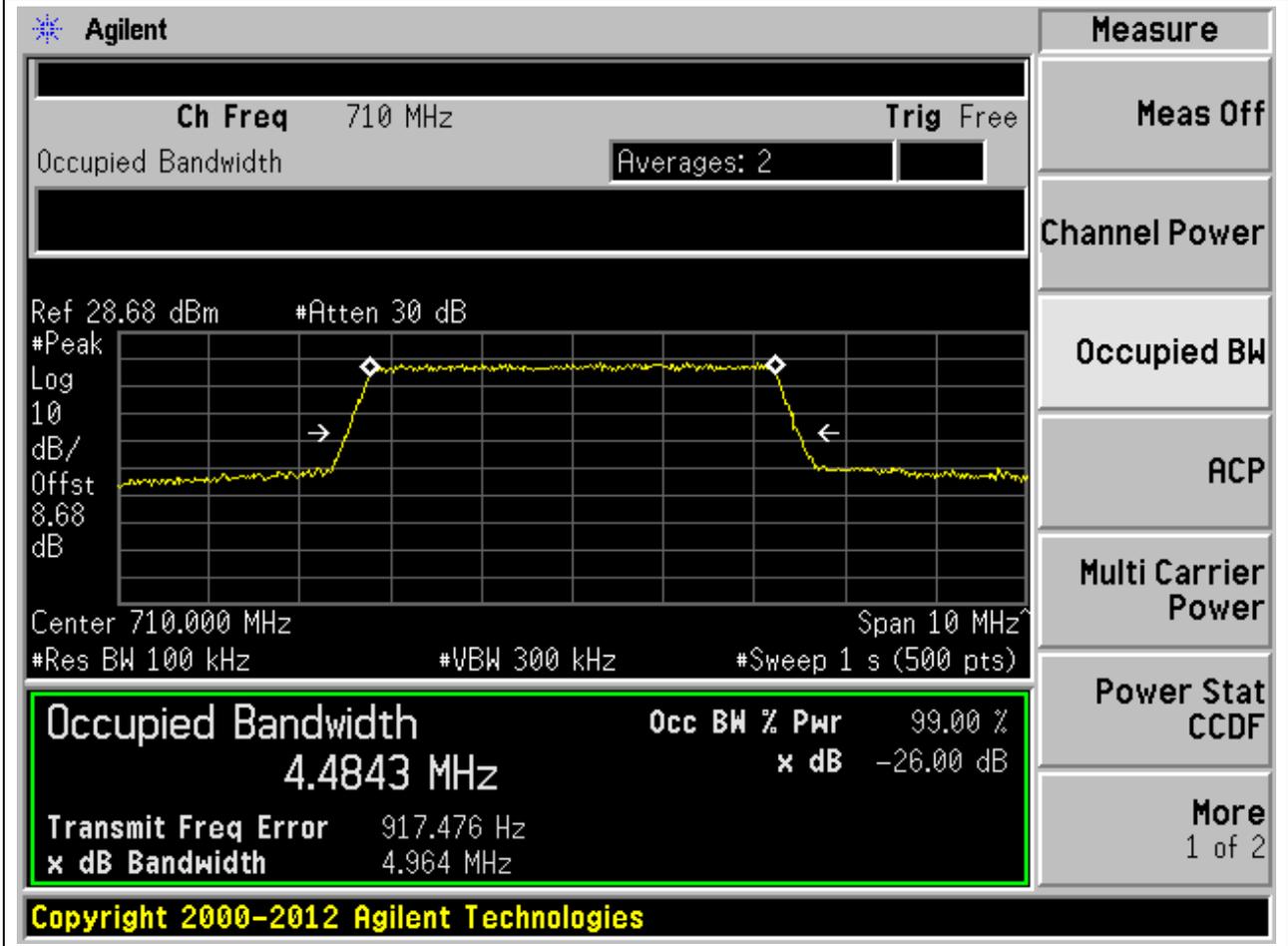
**6.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23755, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.48	4.91	5	Pass



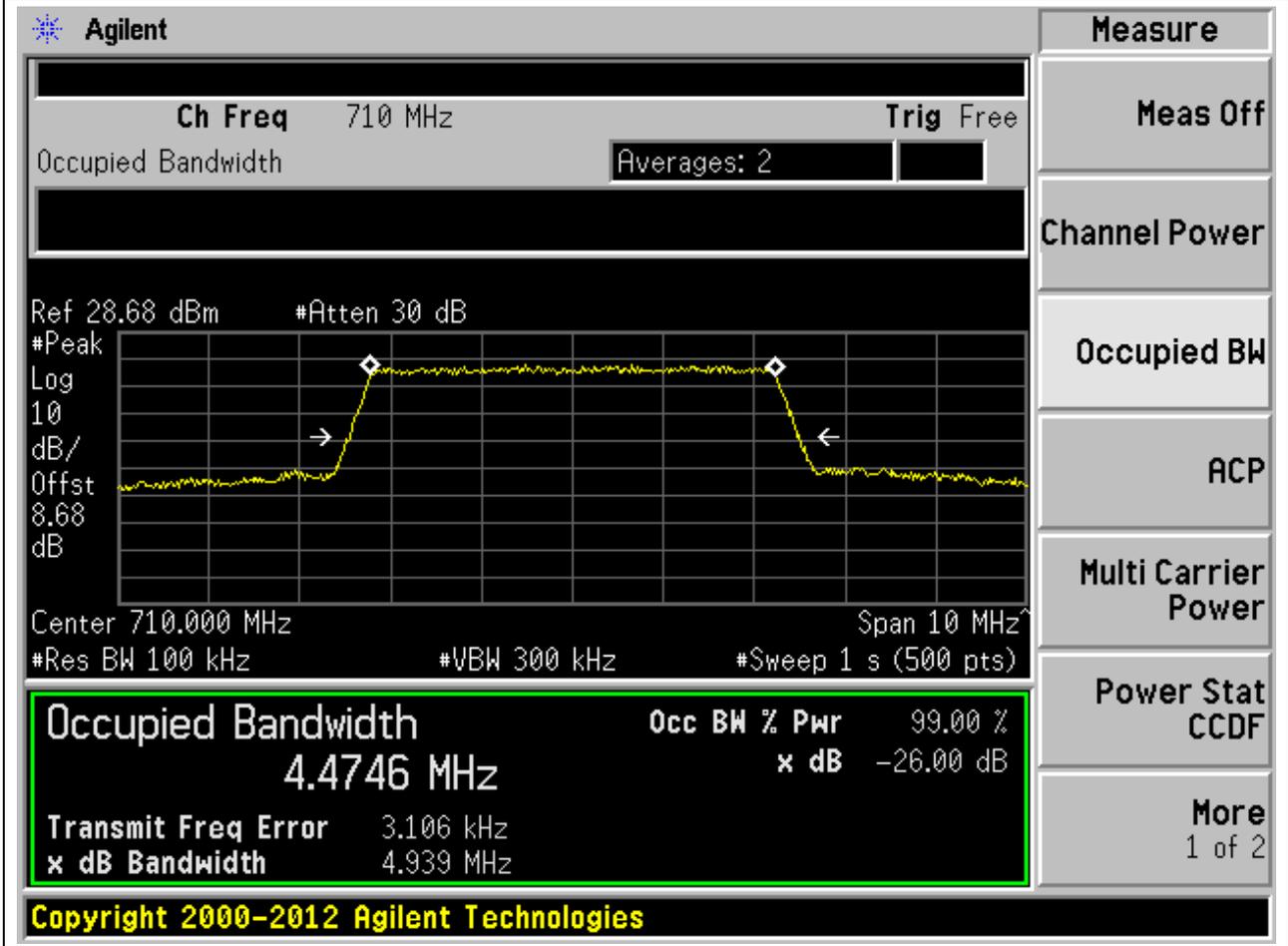
**6.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.48	4.96	5	Pass



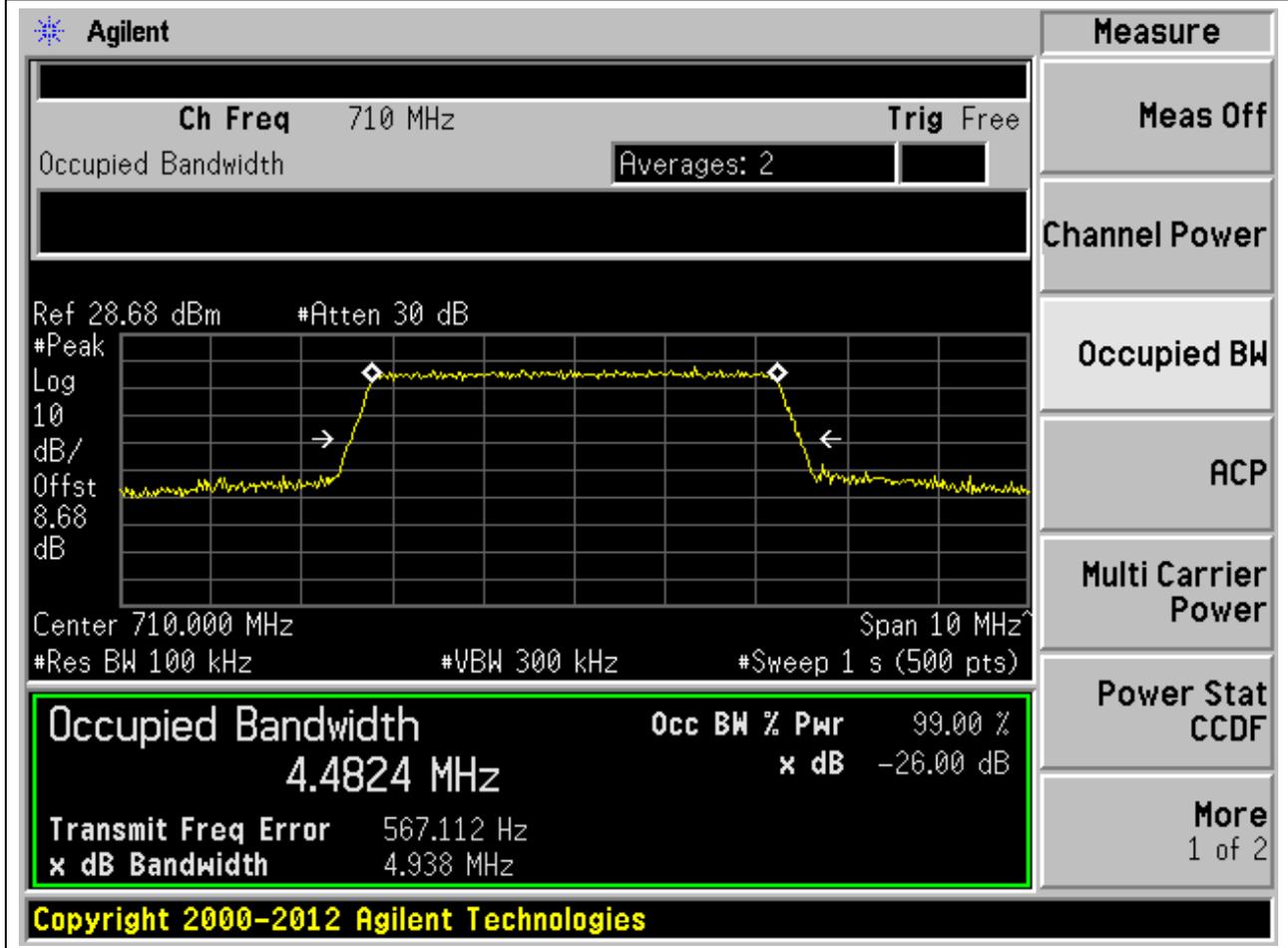
**6.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.47	4.94	5	Pass



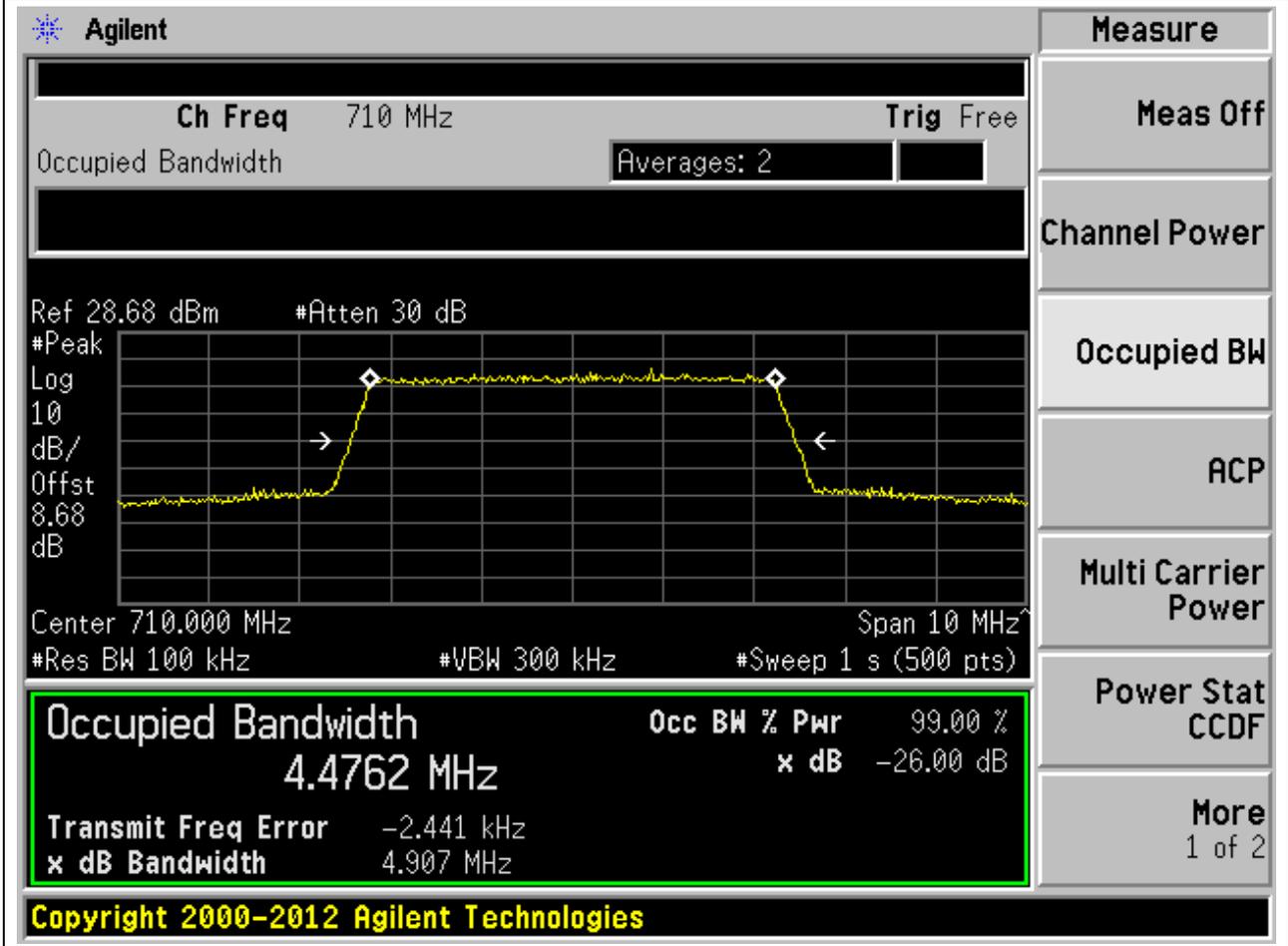
**6.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.48	4.94	5	Pass



**6.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.48	4.91	5	Pass



**6.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.49	4.97	5	Pass

Agilent

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

Ch Freq 713.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.69 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.69 dB

Center 713.500 MHz Span 10 MHz

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

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

4.4894 MHz x dB -26.00 dB

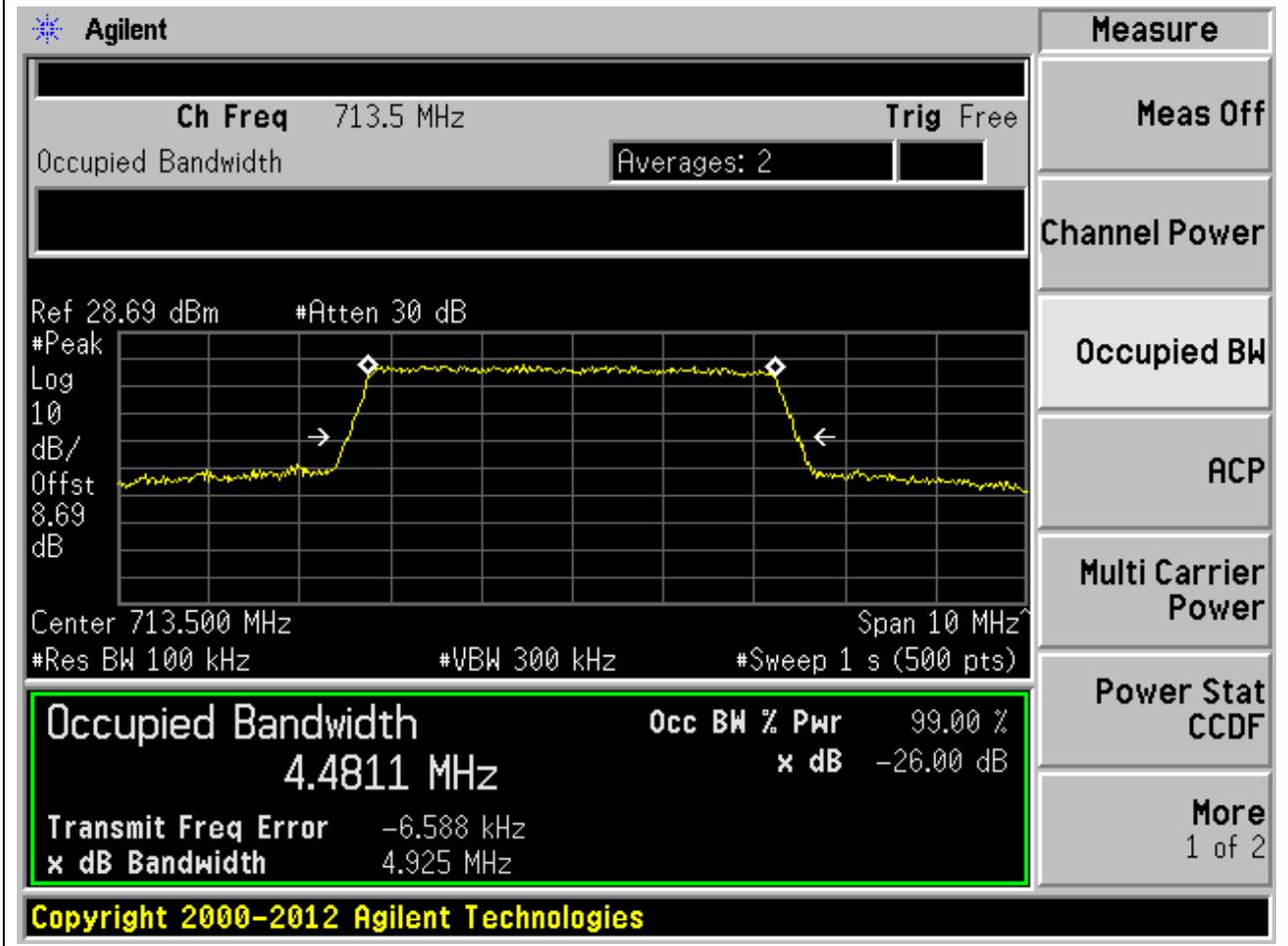
Transmit Freq Error -8.436 kHz

x dB Bandwidth 4.970 MHz

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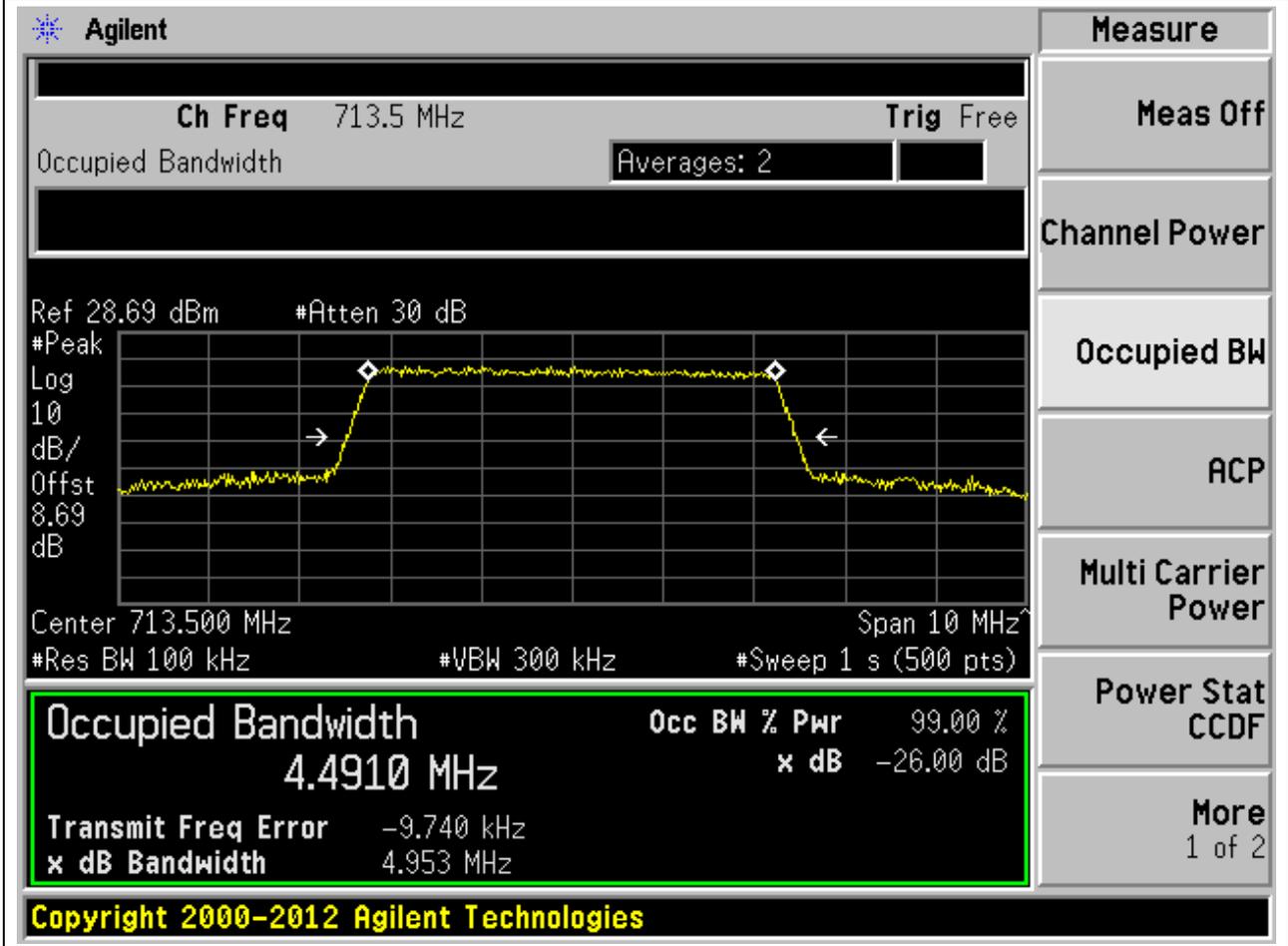
**6.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23825, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.48	4.93	5	Pass



**6.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23825, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.49	4.95	5	Pass



**6.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23825, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.47	4.9	5	Pass

**Agilent**

Ch Freq 713.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.69 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.69 dB

Center 713.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4721 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-7.003 kHz	
<b>x dB Bandwidth</b>	4.905 MHz	

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**Measure**

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

**6.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.96	9.8	10	Pass

**Agilent**

Ch Freq 709 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 709.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9551 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-2.450 kHz
<b>x dB Bandwidth</b>		9.805 MHz

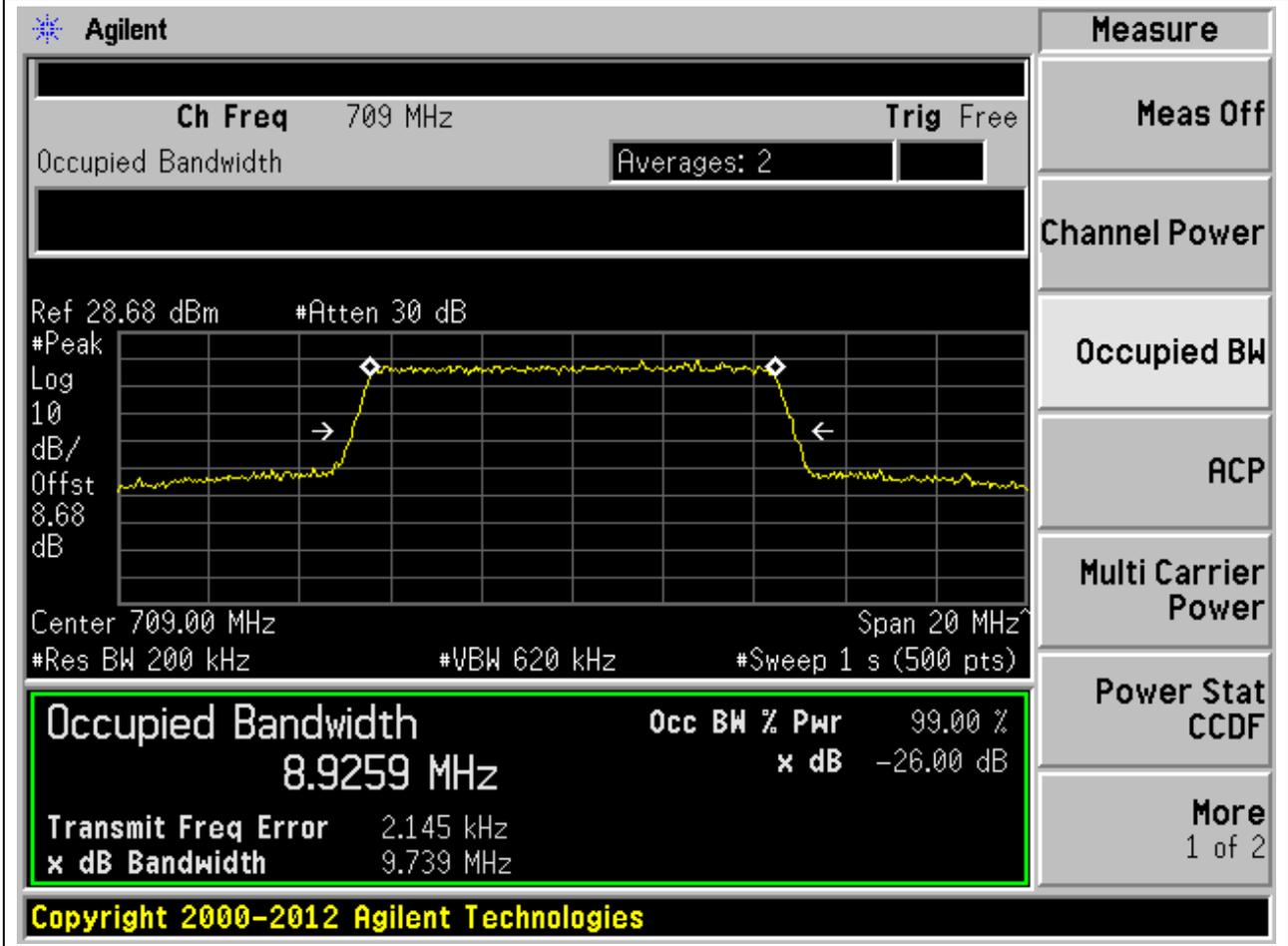
**Measure**

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

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**6.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23780, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.93	9.74	10	Pass



**6.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23780, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.94	9.81	10	Pass

Agilent

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

Ch Freq 709 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 709.00 MHz Span 20 MHz

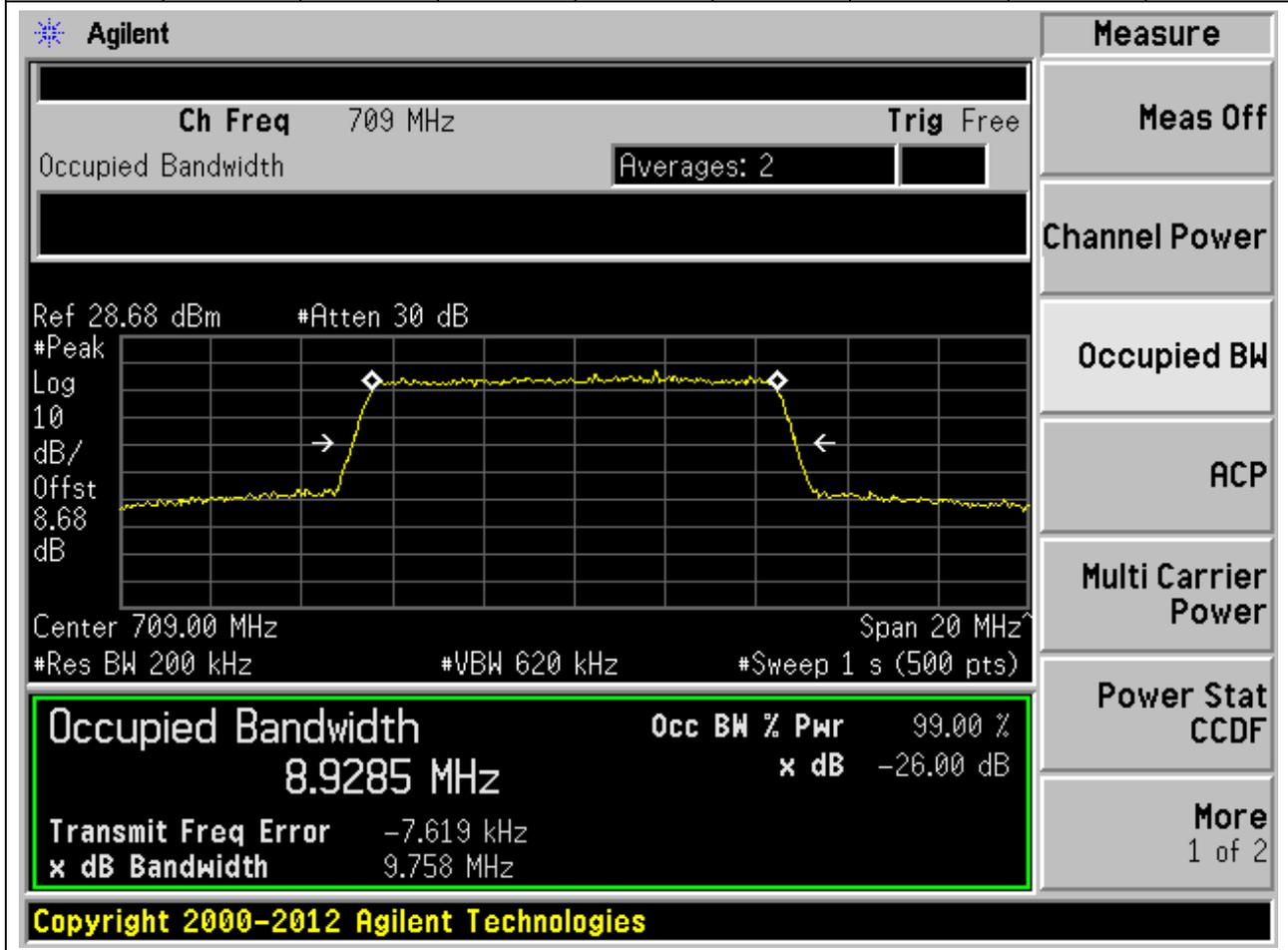
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9414 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -20.502 Hz	
<b>x dB Bandwidth</b> 9.808 MHz	

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**6.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23780, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.2	Peak	8.93	9.76	10	Pass



**6.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.94	9.77	10	Pass

**Agilent**

Ch Freq 710 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 710.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9438 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	730.134 Hz	
<b>x dB Bandwidth</b>	9.766 MHz	

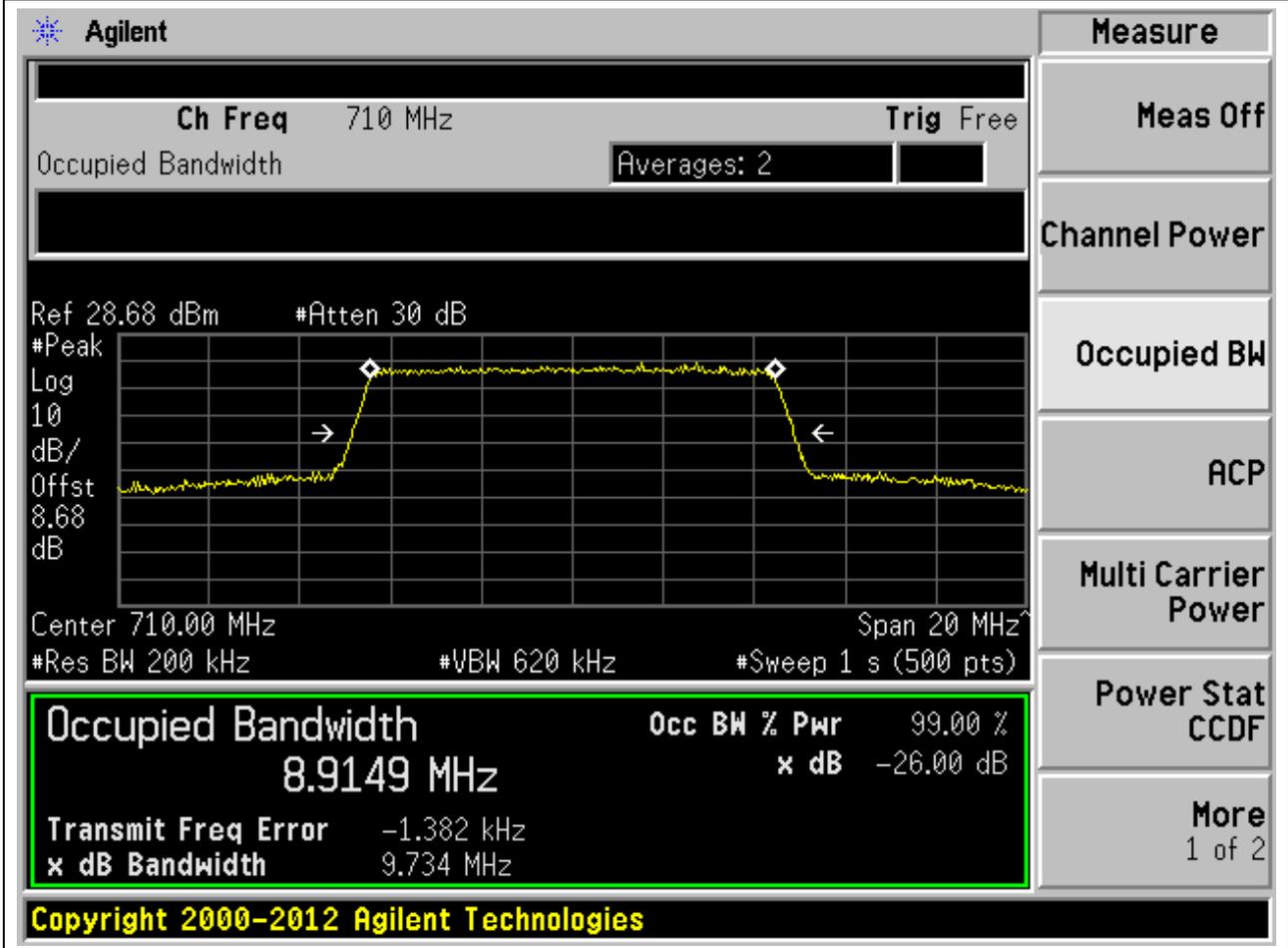
**Measure**

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

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**6.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.91	9.73	10	Pass



**6.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.94	9.77	10	Pass

**Agilent**

Ch Freq 710 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.68 dB

Center 710.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9383 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-7.939 kHz
<b>x dB Bandwidth</b>		9.770 MHz

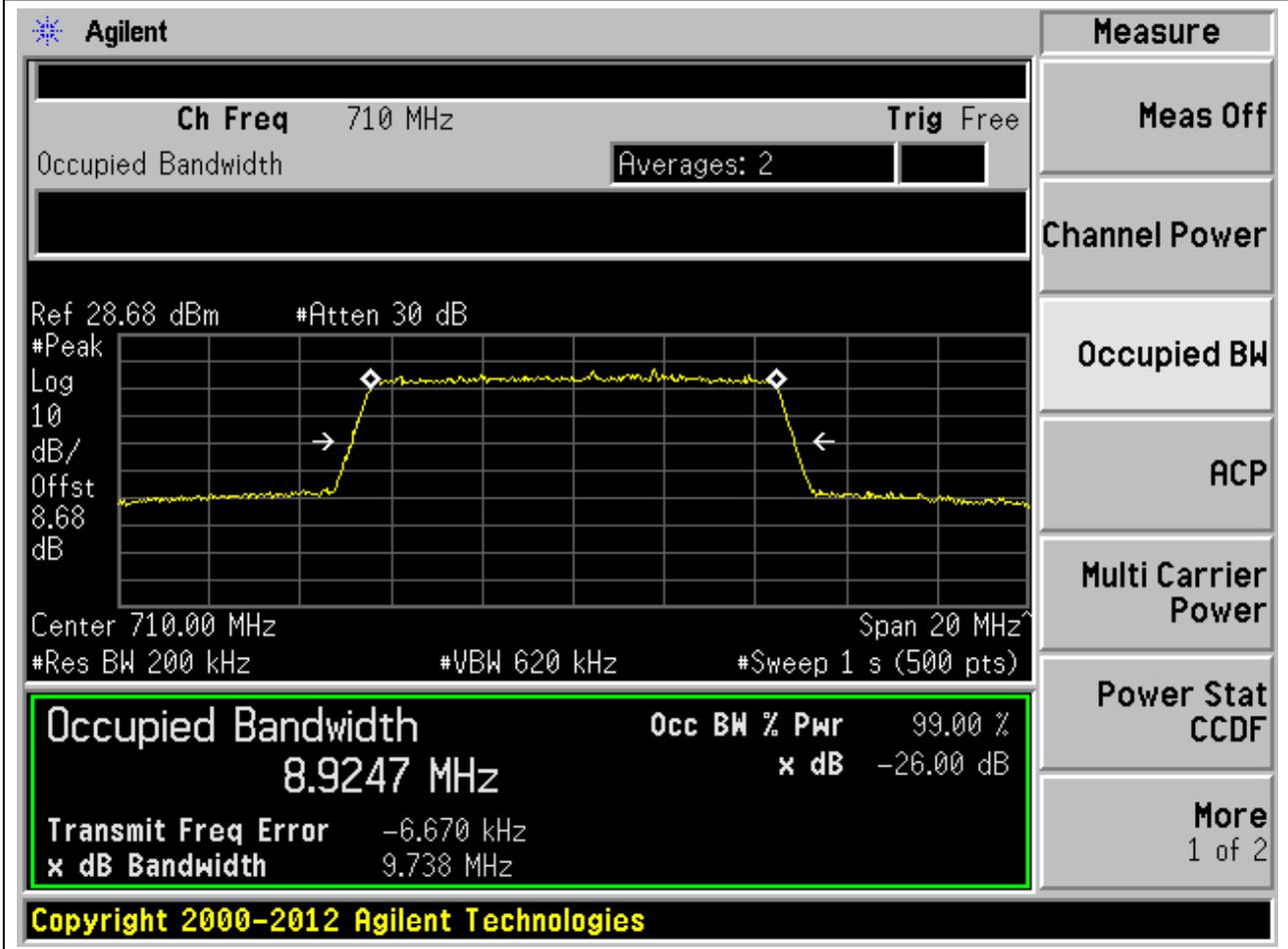
**Measure**

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

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**6.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23790, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.2	Peak	8.92	9.74	10	Pass



**6.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.95	9.75	10	Pass

**Agilent**

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 711.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9524 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.915 kHz
<b>x dB Bandwidth</b>		9.752 MHz

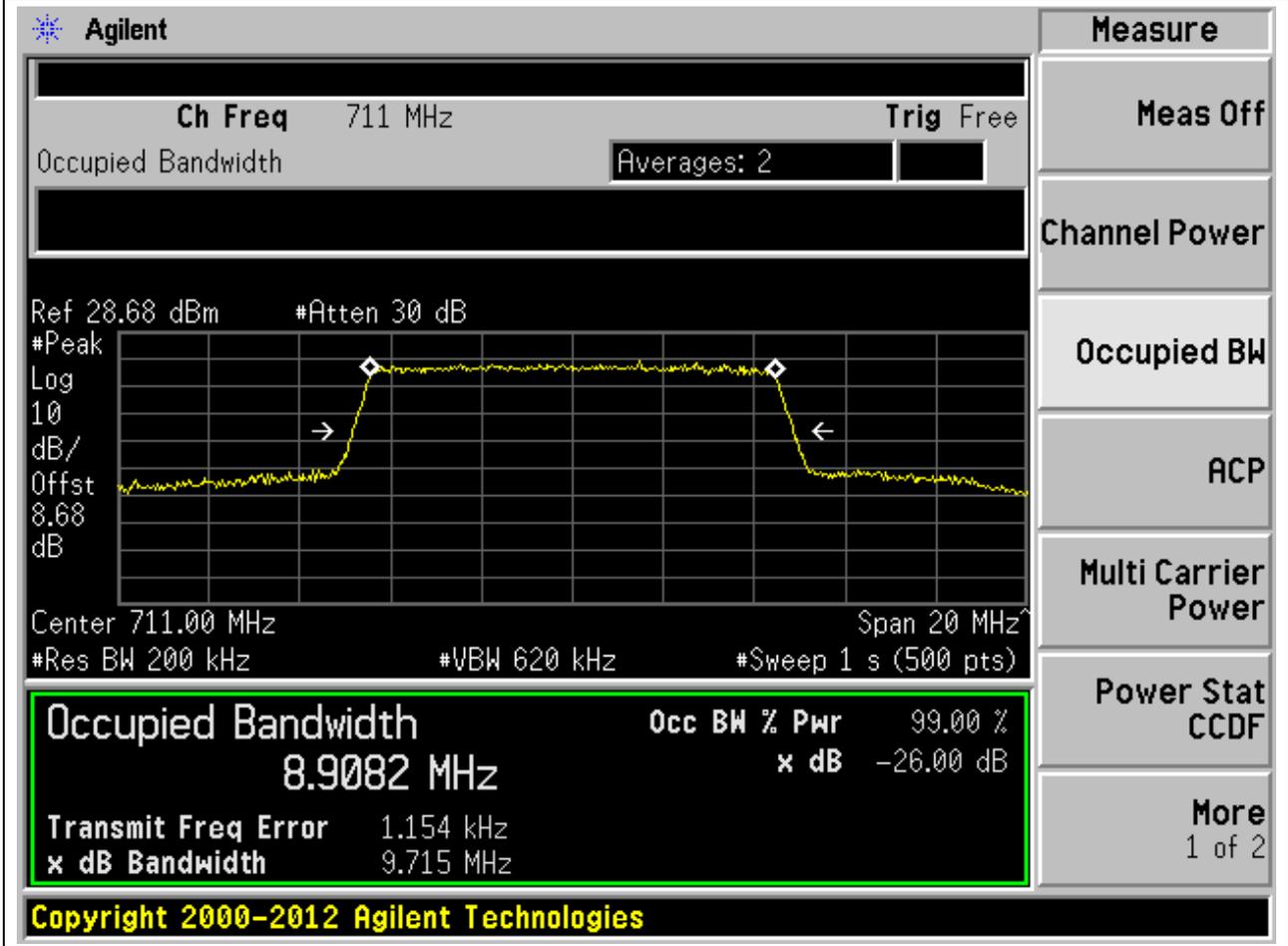
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**Measure**

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

**6.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23800, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.91	9.71	10	Pass



**6.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23800, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.93	9.72	10	Pass

**Agilent**

Ch Freq 711 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.68 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.68 dB

Center 711.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9282 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.011 kHz
<b>x dB Bandwidth</b>		9.716 MHz

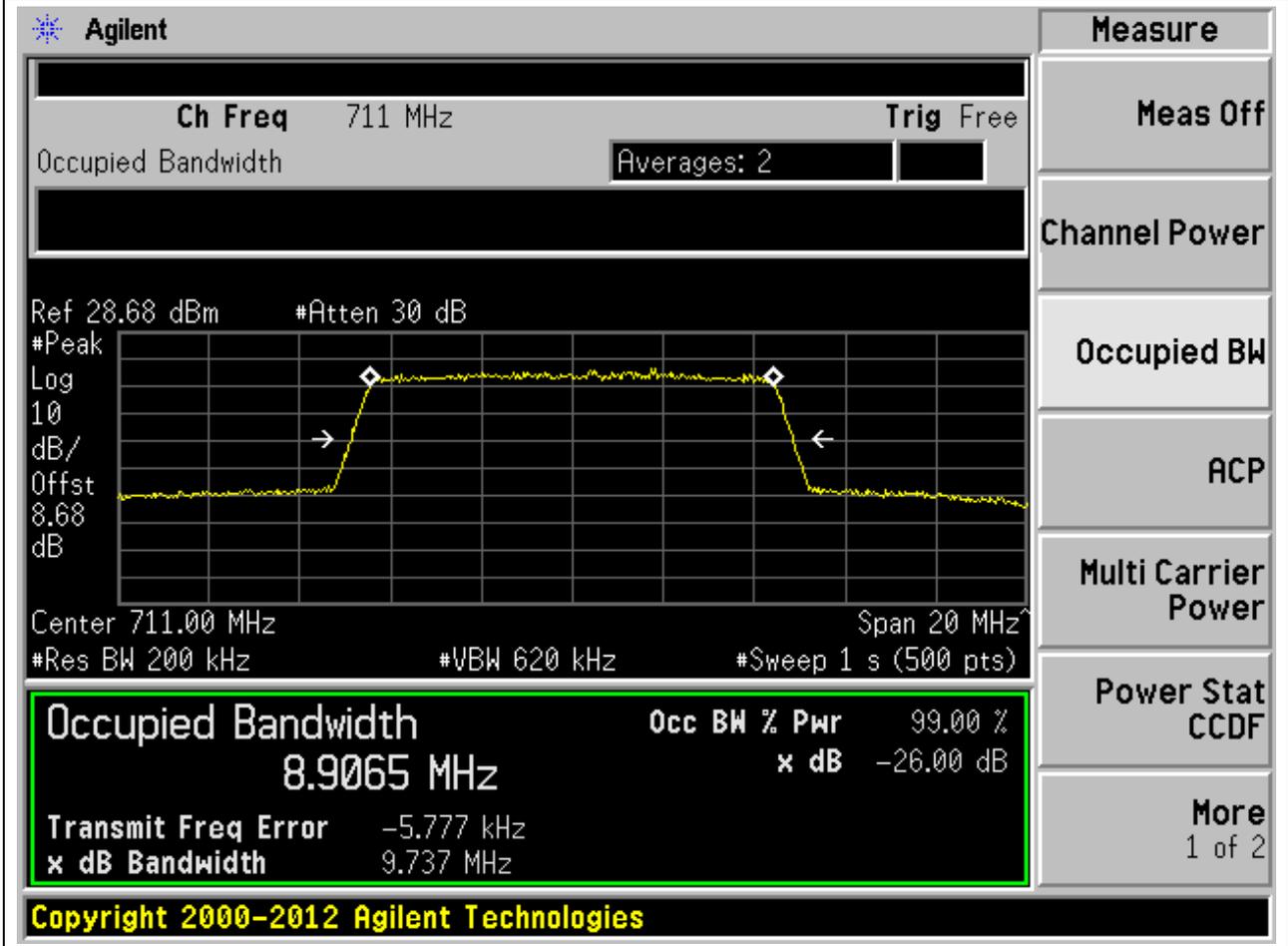
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**Measure**

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

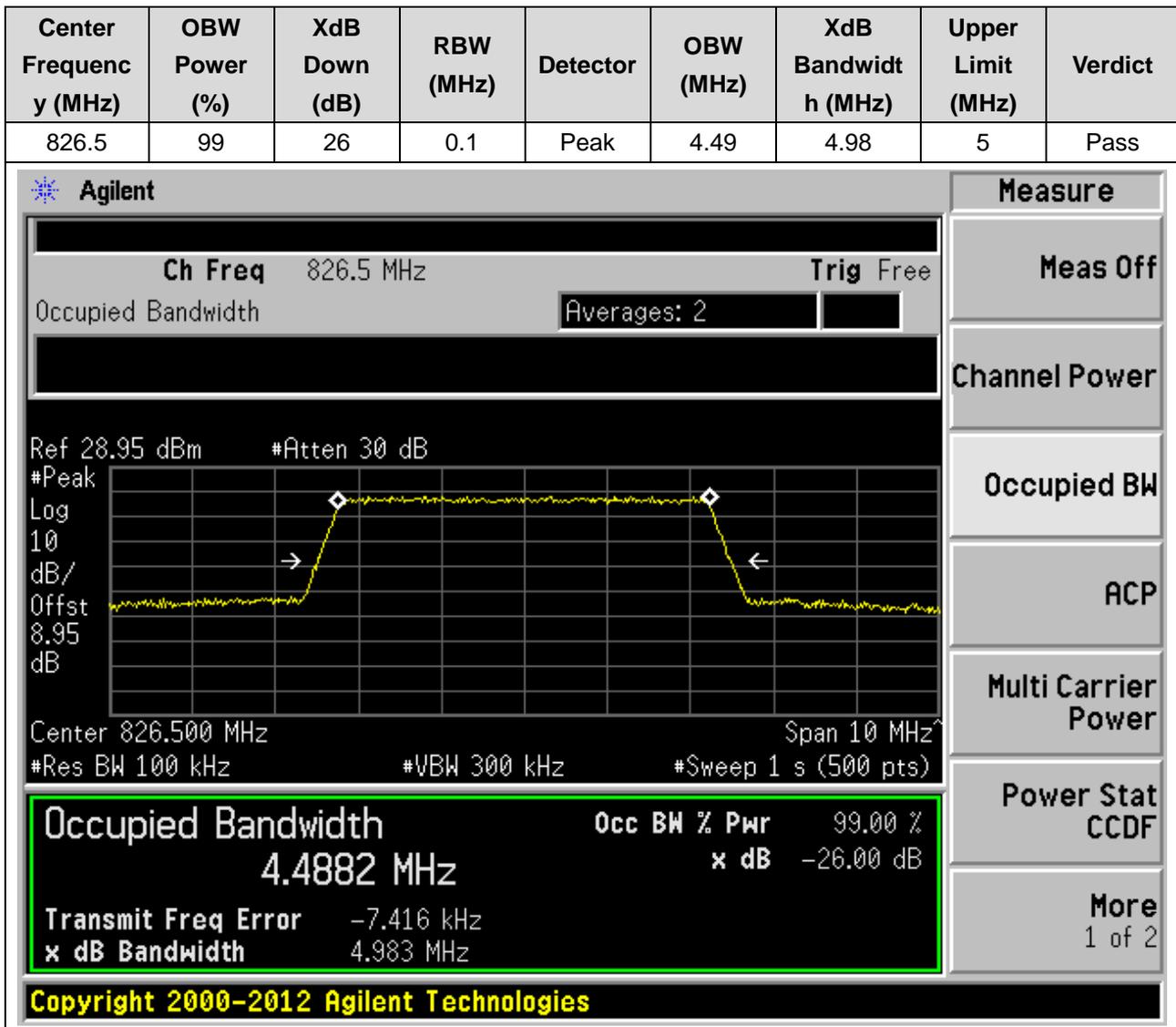
**6.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23800, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.91	9.74	10	Pass



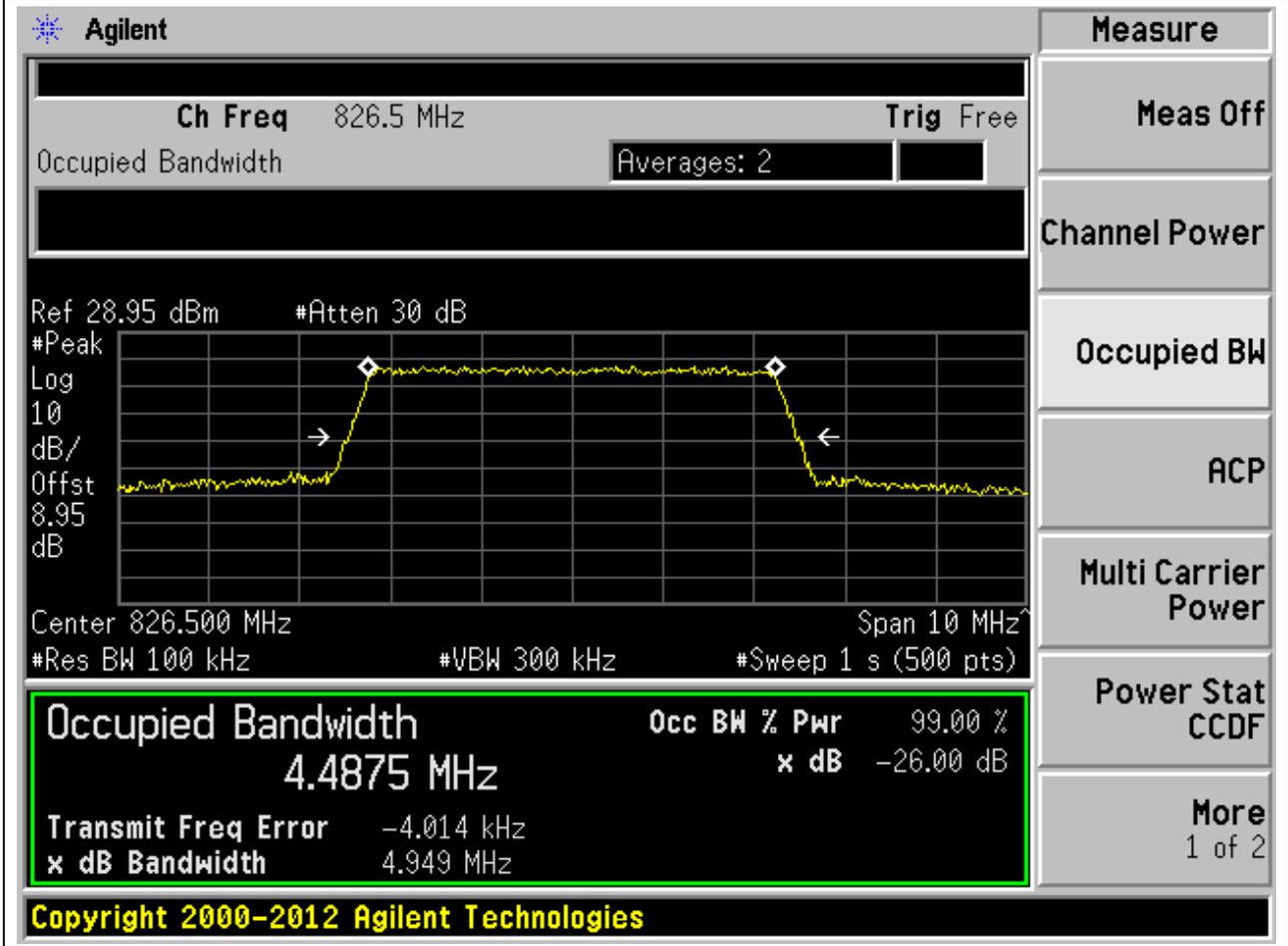
## 7. LTE\_Band18(part22)

7.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23965, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



**7.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23965, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	4.95	5	Pass



**7.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23965, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	4.95	5	Pass

**Agilent**

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 826.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4935 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-7.437 kHz	
<b>x dB Bandwidth</b>	4.954 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

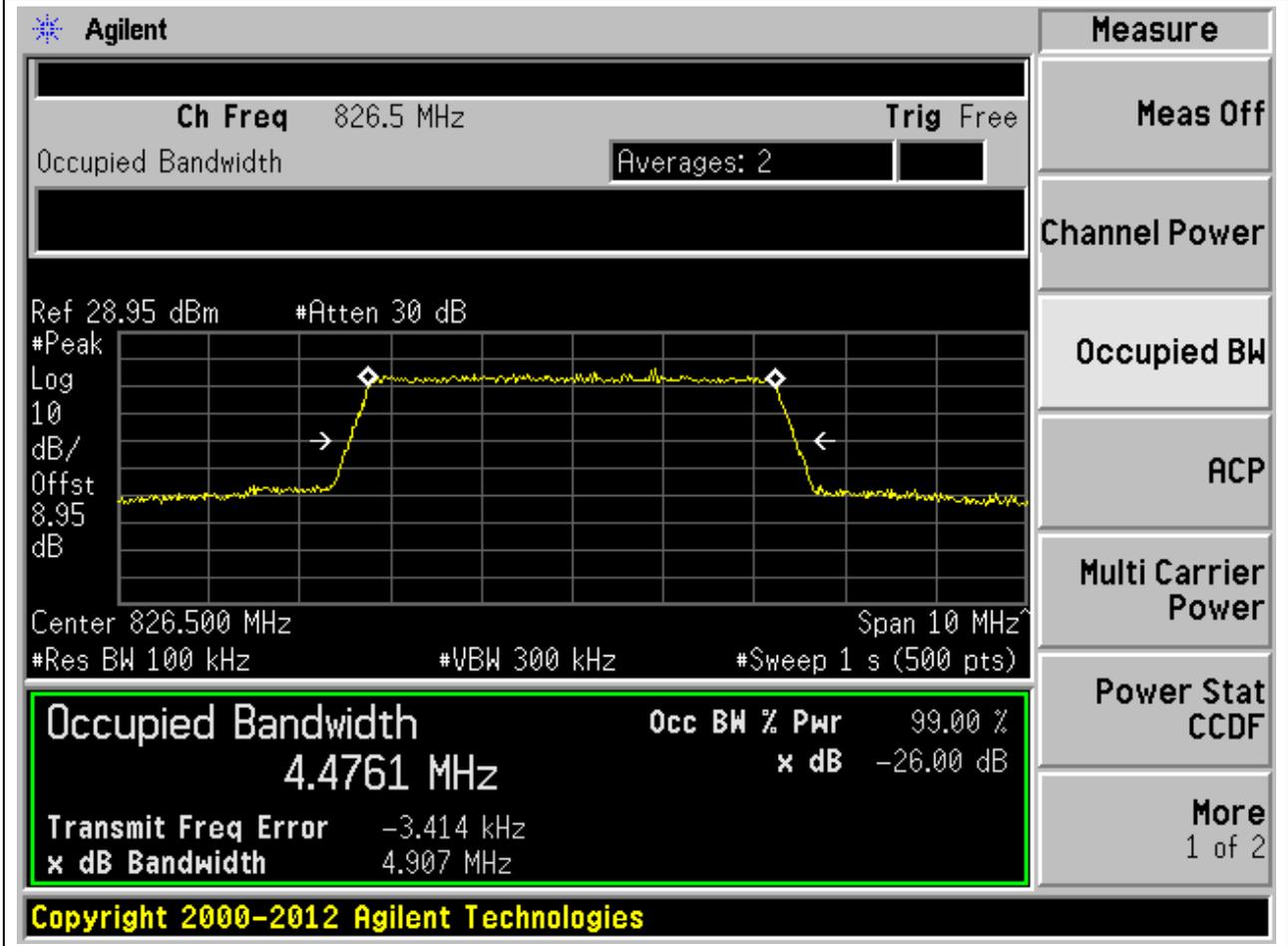
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**7.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23965, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.48	4.91	5	Pass



**7.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23970, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827	99	26	0.1	Peak	4.49	4.99	5	Pass

**Agilent**

Ch Freq 827 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.95 dB

Center 827.000 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4910 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-4.973 kHz
<b>x dB Bandwidth</b>		4.987 MHz

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**7.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23970, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827	99	26	0.1	Peak	4.48	4.96	5	Pass

**Agilent**

Ch Freq 827 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 827.000 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4792 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.503 kHz
<b>x dB Bandwidth</b>		4.964 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**7.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23970, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827	99	26	0.1	Peak	4.49	4.94	5	Pass

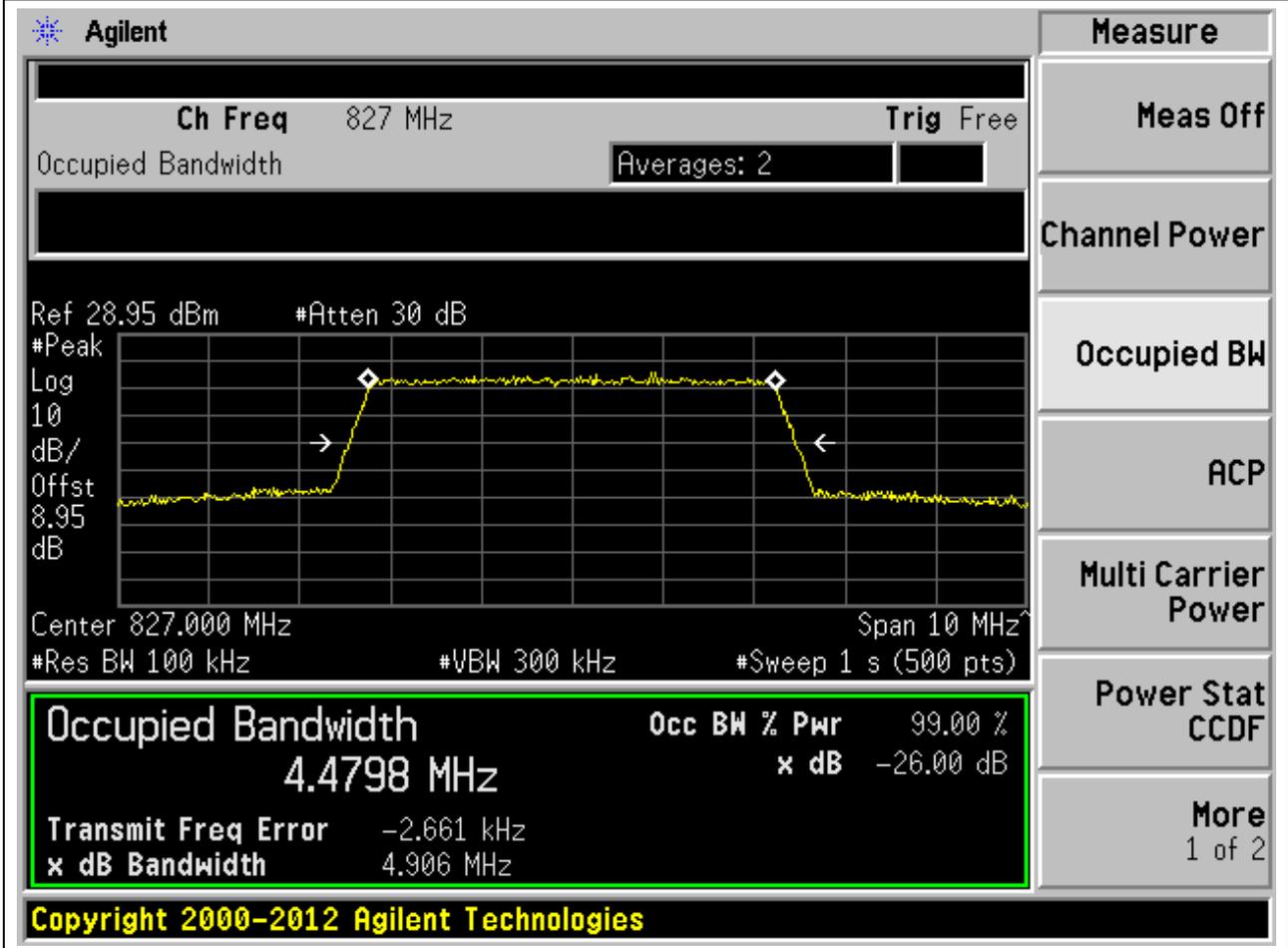
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 827 MHz' and 'Trig Free'. The 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Ref 28.95 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.95 dB, Center 827.000 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, and #Sweep 1 s (500 pts). A green box highlights the measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4929 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-6.327 kHz
<b>x dB Bandwidth</b>		4.943 MHz

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

**7.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23970, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827	99	26	0.1	Peak	4.48	4.91	5	Pass



**7.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23975, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

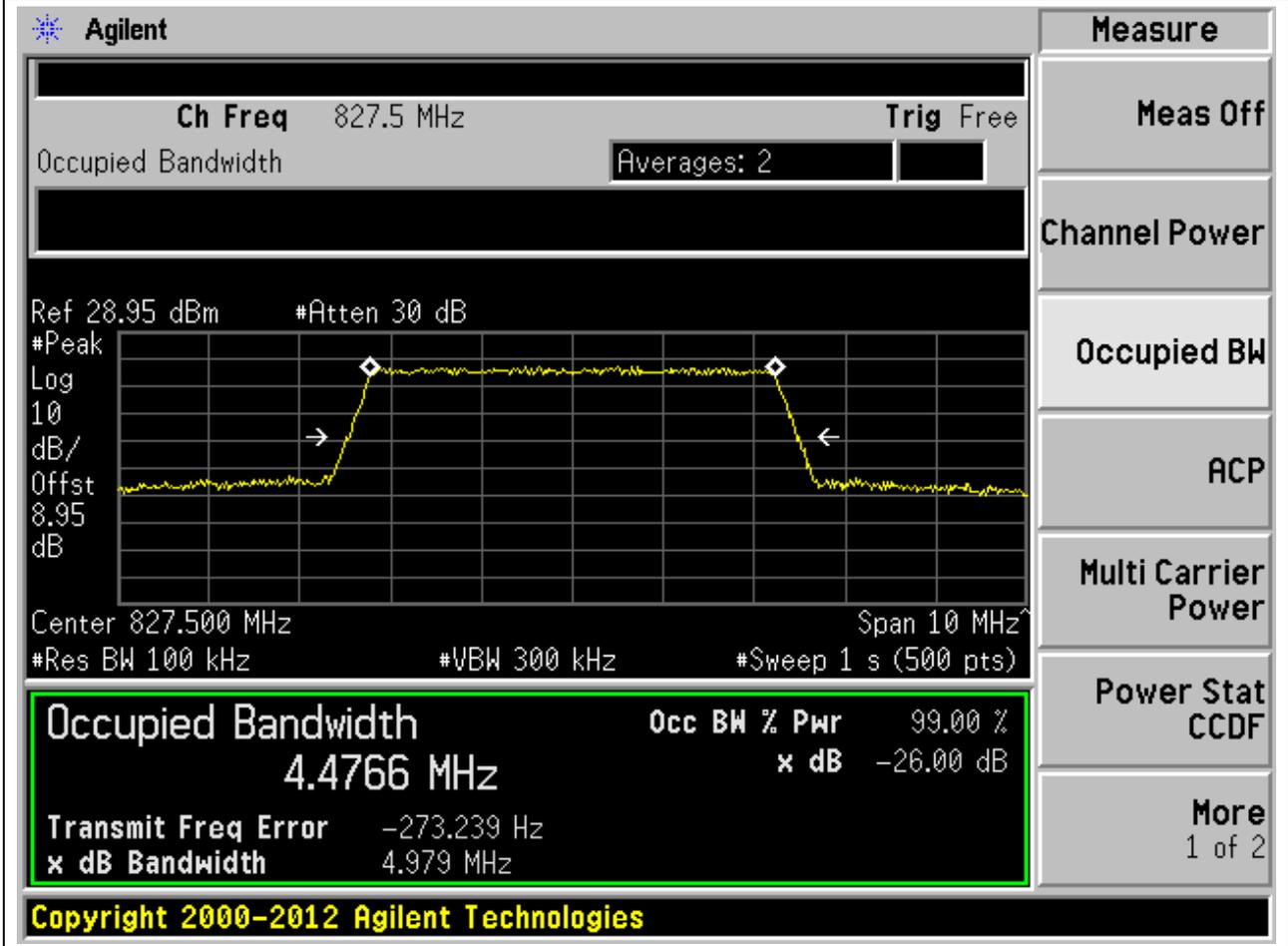
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827.5	99	26	0.1	Peak	4.49	4.98	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 827.5 MHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 827.500 MHz and a span of 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 second with 500 points. The plot shows a signal with a peak level of approximately 28.95 dBm and a bandwidth of 4.4881 MHz. The occupied bandwidth (OBW) is 4.982 MHz, and the power is 99.00%. The XdB down is -26.00 dB. The transmit frequency error is -6.019 kHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4881 MHz	x dB	-26.00 dB
Transmit Freq Error		-6.019 kHz
x dB Bandwidth		4.982 MHz

**7.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23975, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827.5	99	26	0.1	Peak	4.48	4.98	5	Pass



**7.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23975, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827.5	99	26	0.1	Peak	4.49	4.95	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 827.500 MHz, and the span is 10 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>4.4932 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-6.970 kHz
<b>x dB Bandwidth</b>		4.954 MHz

Other parameters shown include: Ch Freq 827.5 MHz, Trig Free, Averages: 2, Ref 28.95 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.95 dB, #Res BW 100 kHz, #VBW 300 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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**7.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:23975, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
827.5	99	26	0.1	Peak	4.48	4.9	5	Pass

Agilent

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

Ch Freq 827.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 827.500 MHz Span 10 MHz

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

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

4.4783 MHz x dB -26.00 dB

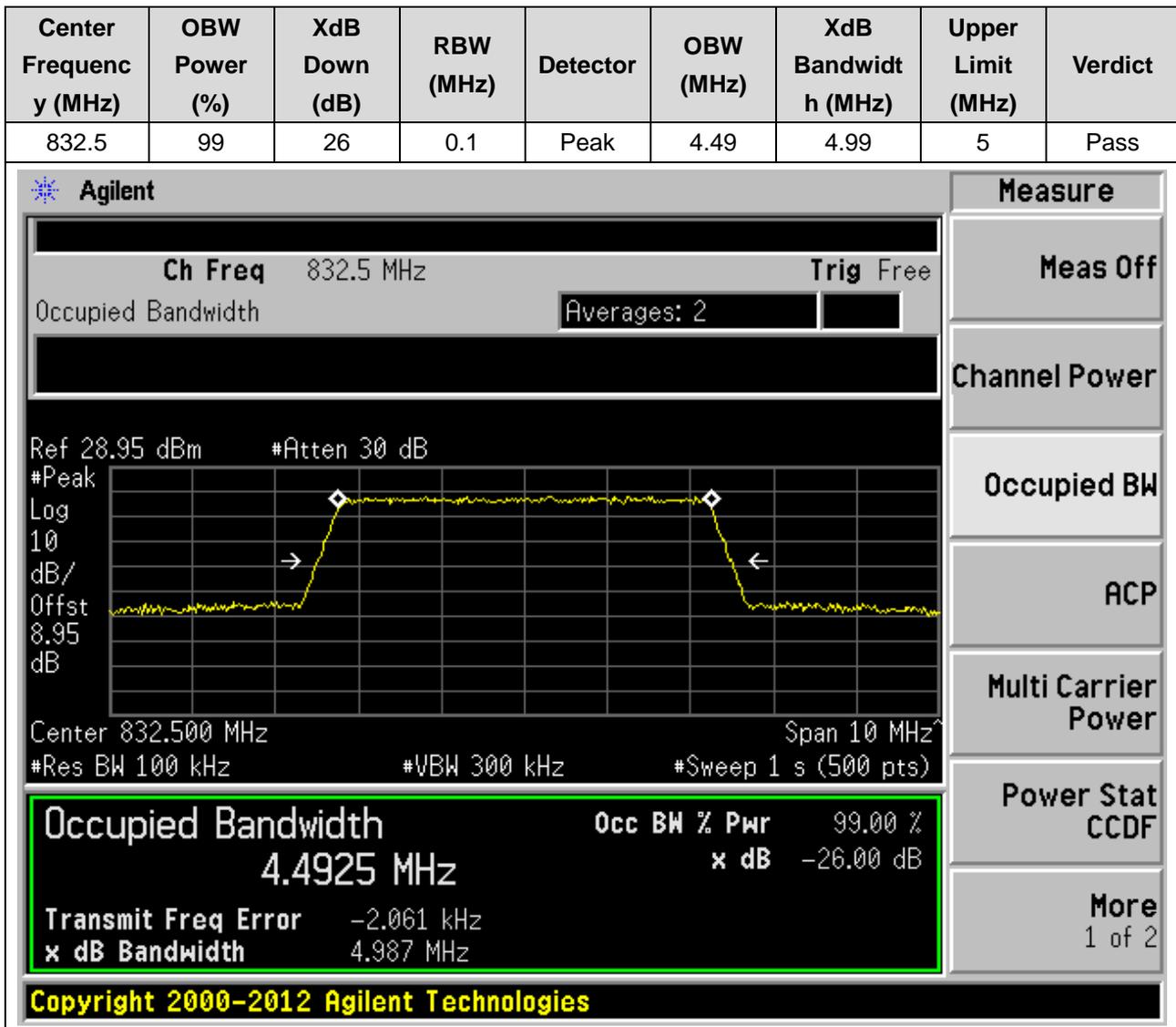
Transmit Freq Error -4.168 kHz

x dB Bandwidth 4.903 MHz

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## 8. LTE\_Band19

8.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24025, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



**8.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24025, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
832.5	99	26	0.1	Peak	4.48	4.97	5	Pass

**Agilent**

Ch Freq 832.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.95 dB

Center 832.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4804 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	663.333 Hz	
<b>x dB Bandwidth</b>	4.965 MHz	

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**8.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24025, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
832.5	99	26	0.1	Peak	4.49	4.95	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.4920 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.415 kHz
x dB Bandwidth	4.952 MHz

Additional parameters shown in the interface include: Ch Freq 832.5 MHz, Trig Free, Averages: 2, Ref 28.95 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.95 dB, Center 832.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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**8.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24025, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
832.5	99	26	0.1	Peak	4.48	4.9	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.4794 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-784.396 Hz
x dB Bandwidth	4.903 MHz

Additional parameters shown in the interface include: Ch Freq 832.5 MHz, Trig Free, Averages: 2, Ref 28.95 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 8.95 dB, Center 832.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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**8.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.1	Peak	4.48	4.97	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 837.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4843 MHz. The power is 99.00% and the XdB bandwidth is 4.974 MHz. The XdB down is -26.00 dB. The transmit frequency error is -896.691 Hz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4843 MHz	x dB	-26.00 dB
Transmit Freq Error	-896.691 Hz	
x dB Bandwidth	4.974 MHz	

**8.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.1	Peak	4.48	4.95	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 837.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4755 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4755 MHz	x dB	-26.00 dB
Transmit Freq Error	1.504 kHz	
x dB Bandwidth	4.950 MHz	

**8.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.1	Peak	4.49	4.94	5	Pass

Agilent
Measure

Ch Freq 837.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

Center 837.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.4945 MHz**

Transmit Freq Error -3.895 kHz

x dB Bandwidth 4.942 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**8.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.1	Peak	4.48	4.9	5	Pass

**Agilent**

Ch Freq 837.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 837.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4829 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-124.336 Hz
<b>x dB Bandwidth</b>		4.904 MHz

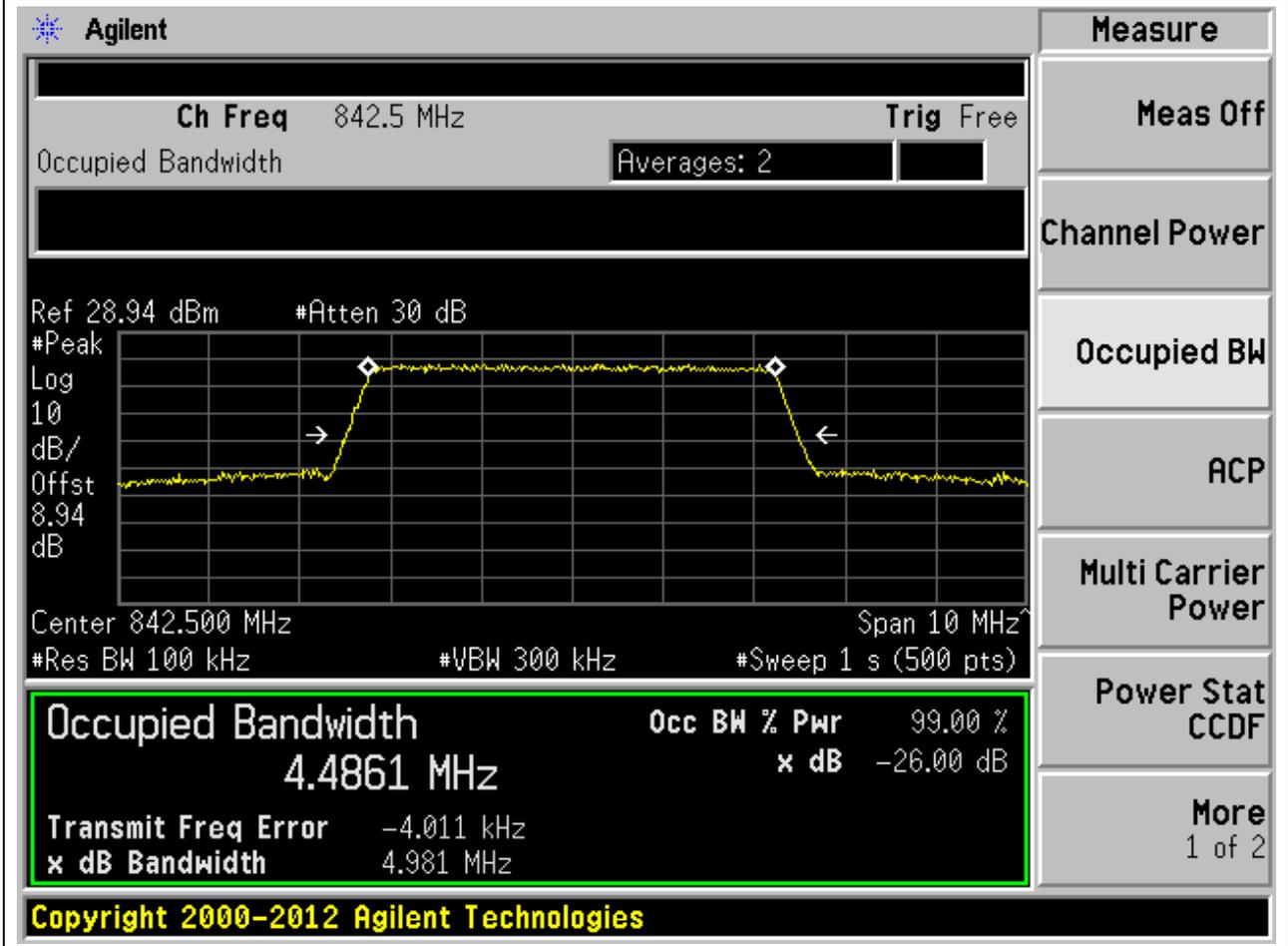
**Measure**

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

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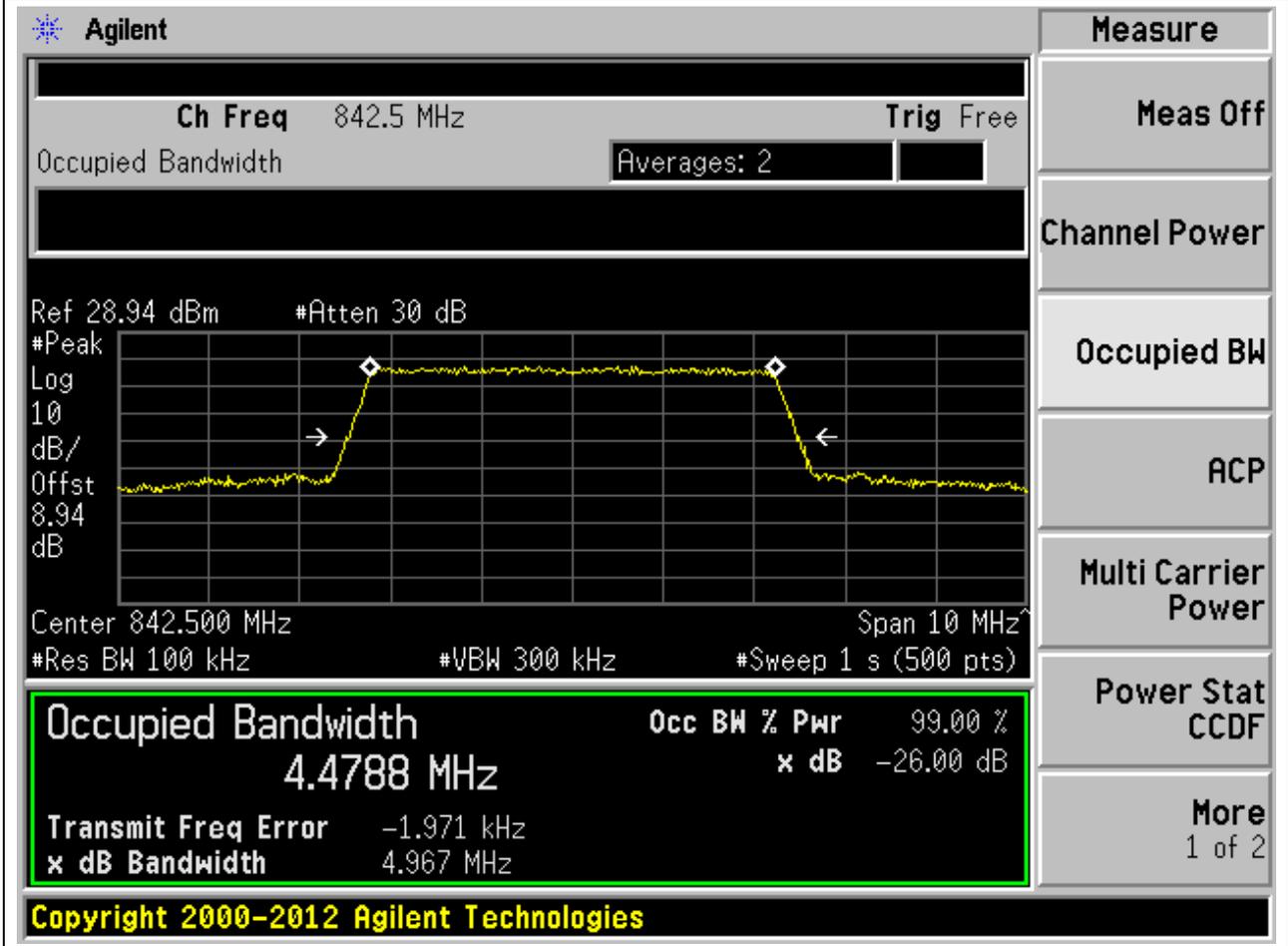
**8.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24125, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
842.5	99	26	0.1	Peak	4.49	4.98	5	Pass



**8.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24125, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
842.5	99	26	0.1	Peak	4.48	4.97	5	Pass



**8.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24125, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
842.5	99	26	0.1	Peak	4.49	4.95	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 842.5 MHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 842.500 MHz and a span of 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 second with 500 points. The plot shows a signal with a peak level of 28.94 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 4.4901 MHz, which is 99.00% of the total bandwidth. The XdB bandwidth is 4.952 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -8.026 kHz. The interface also shows a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4901 MHz	x dB	-26.00 dB
Transmit Freq Error		-8.026 kHz
x dB Bandwidth		4.952 MHz

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**8.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24125, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
842.5	99	26	0.1	Peak	4.47	4.9	5	Pass

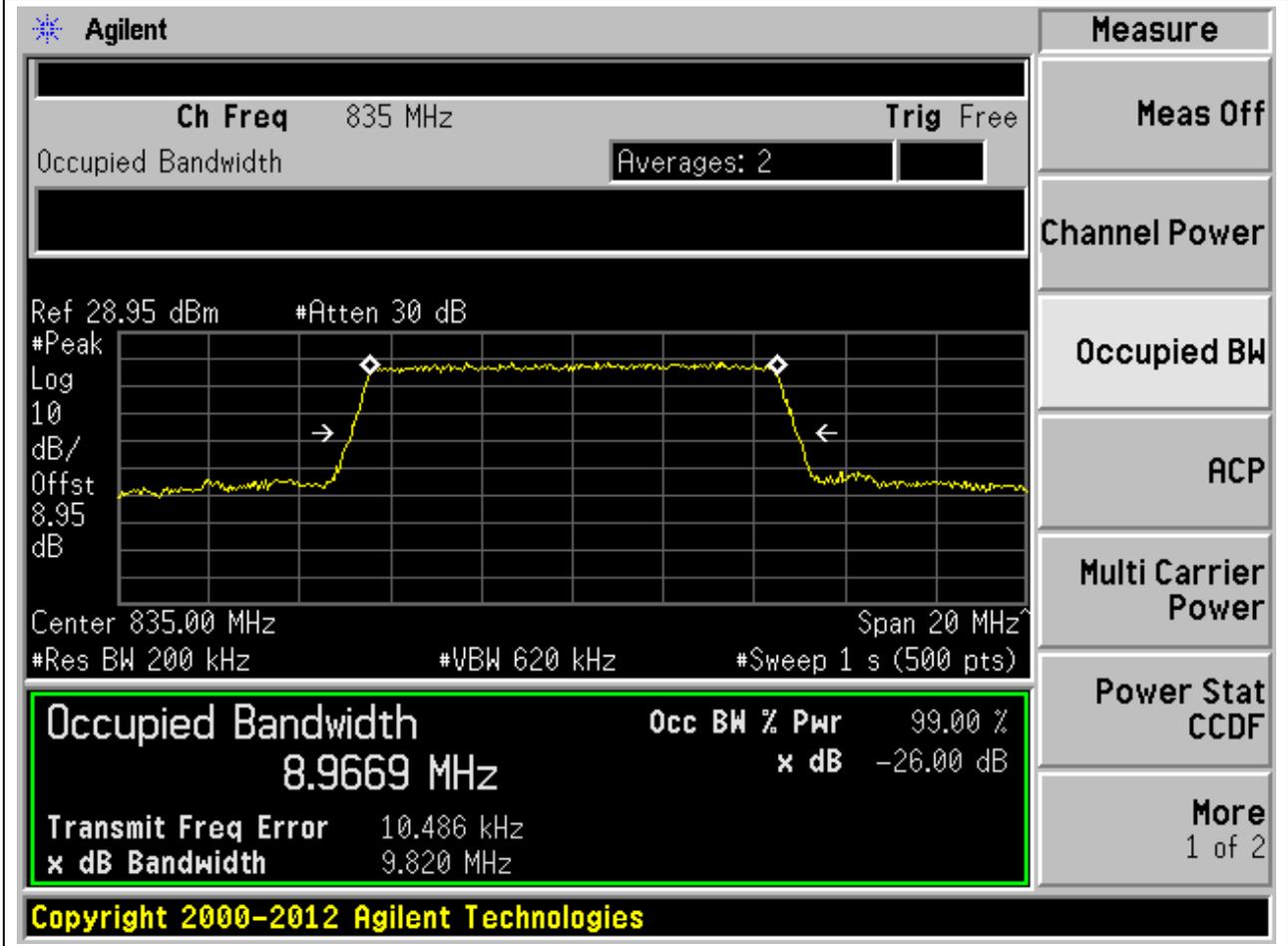
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 842.500 MHz, and the span is 10 MHz. The occupied bandwidth is highlighted in green, showing a value of 4.4740 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface also shows various measurement parameters like Res BW, VBW, and Sweep time.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4740 MHz	99.00 %	-26.00 dB

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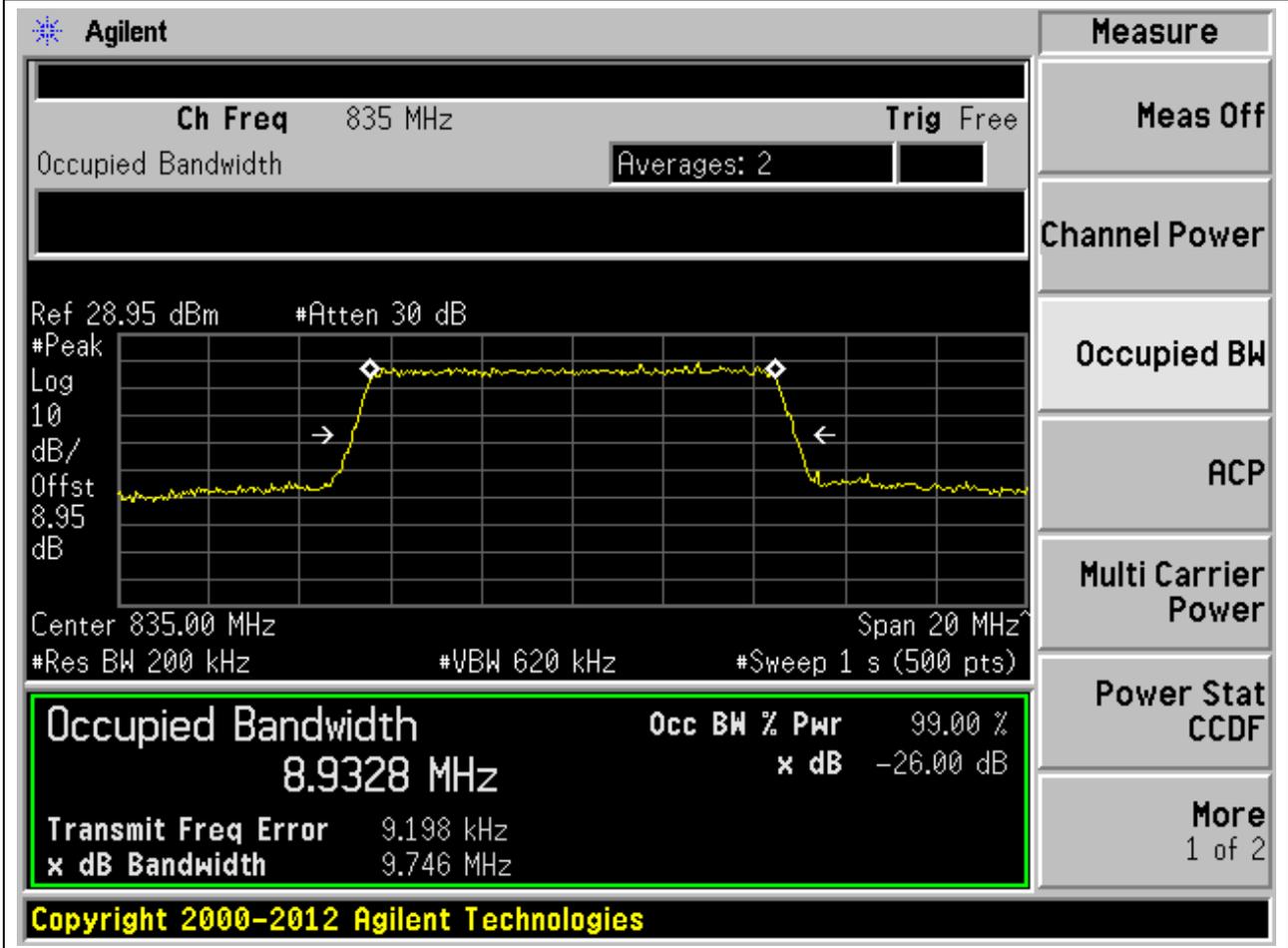
**8.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24050, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
835	99	26	0.2	Peak	8.97	9.82	10	Pass



**8.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24050, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
835	99	26	0.2	Peak	8.93	9.75	10	Pass



**8.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24050, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
835	99	26	0.2	Peak	8.96	9.84	10	Pass

**Agilent**

Ch Freq 835 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 835.00 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9558 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	11.021 kHz	
<b>x dB Bandwidth</b>	9.841 MHz	

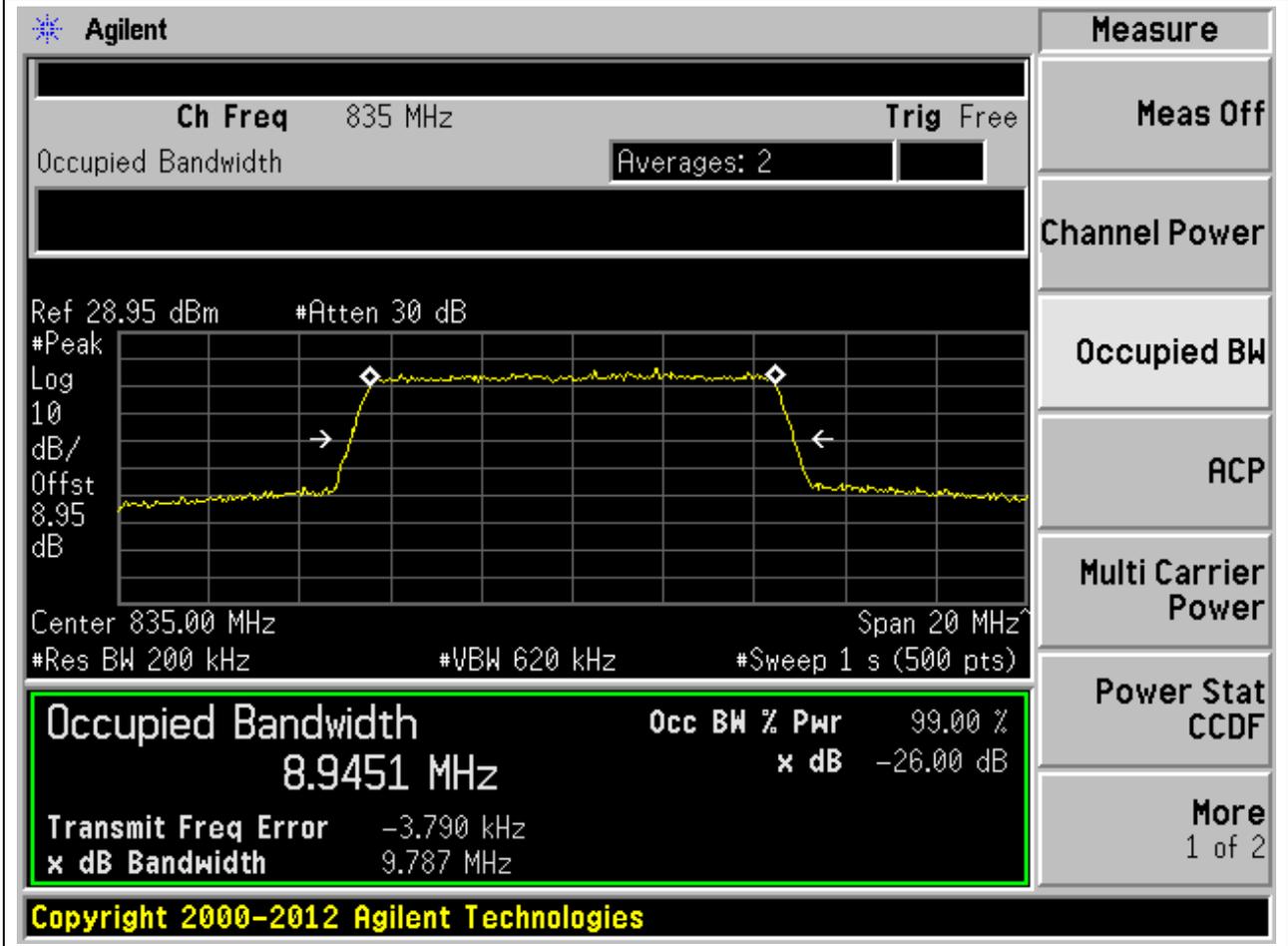
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**Measure**

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

**8.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24050, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
835	99	26	0.2	Peak	8.95	9.79	10	Pass



**8.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.2	Peak	8.97	9.76	10	Pass

**Agilent**

Ch Freq 837.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 837.50 MHz Span 20 MHz

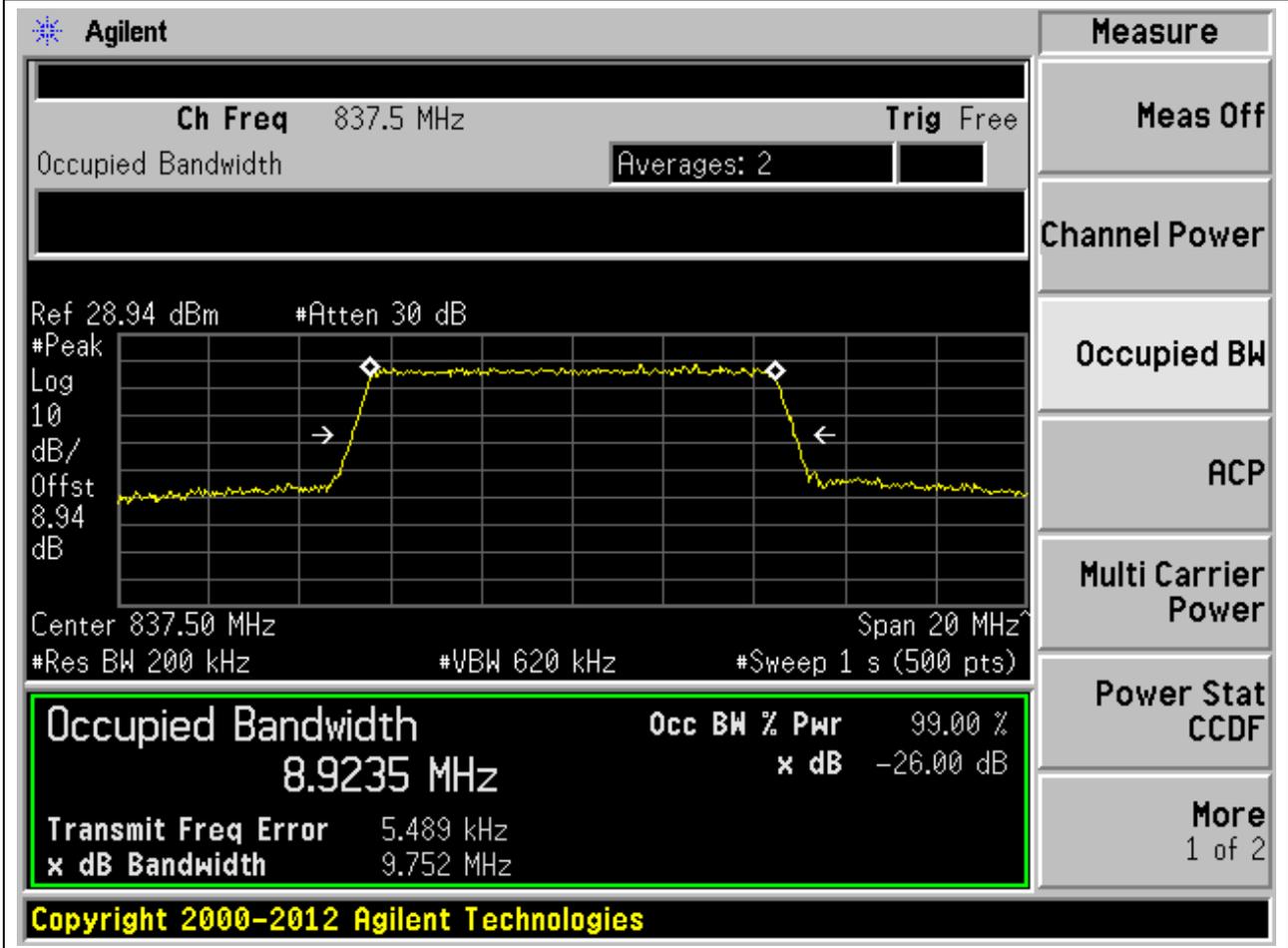
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9714 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	6.768 kHz	
<b>x dB Bandwidth</b>	9.760 MHz	

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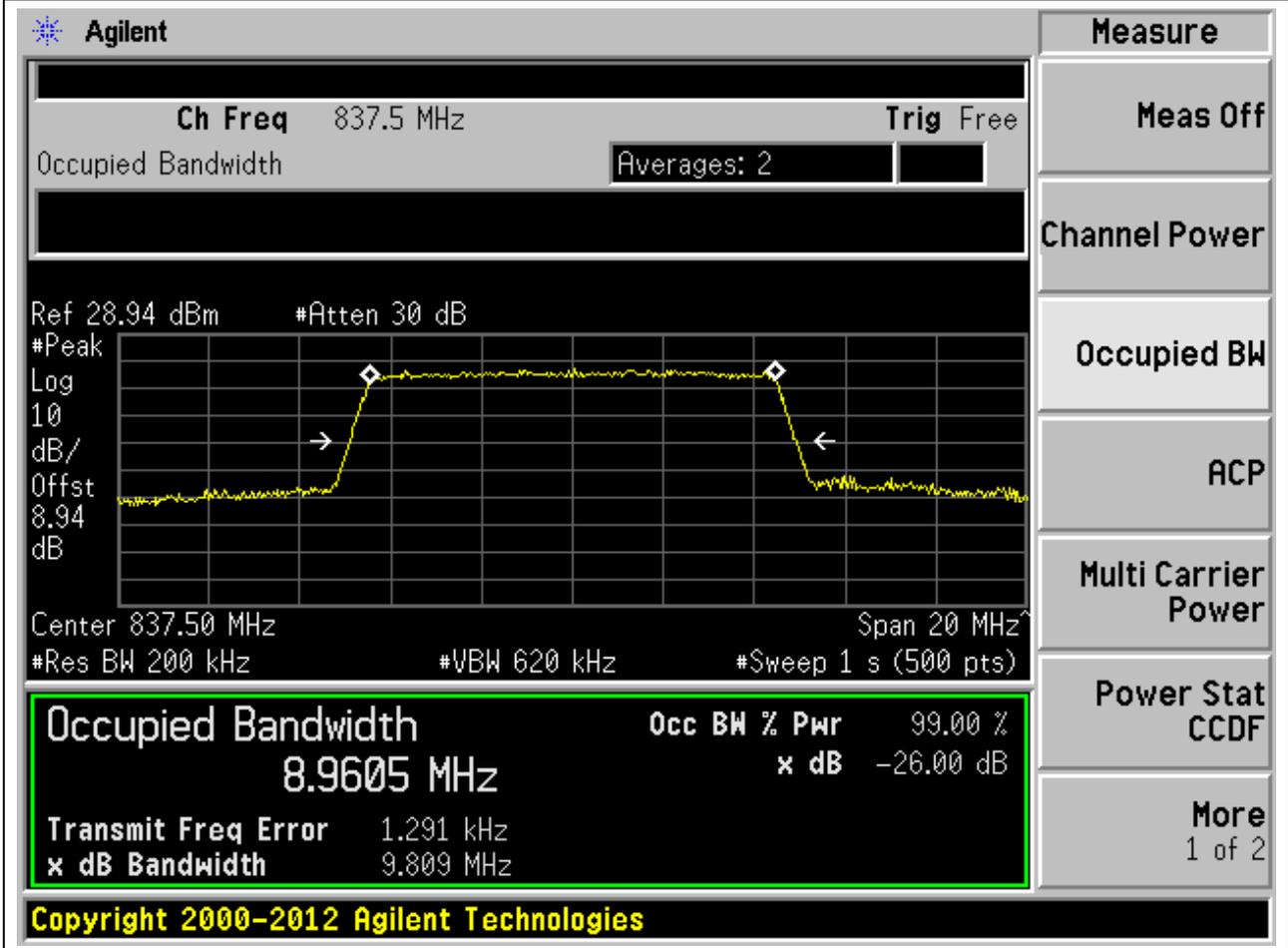
**8.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.2	Peak	8.92	9.75	10	Pass



**8.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.2	Peak	8.96	9.81	10	Pass



**8.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.2	Peak	8.93	9.75	10	Pass

**Agilent**

Ch Freq 837.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 837.50 MHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9334 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.137 kHz	
<b>x dB Bandwidth</b>	9.751 MHz	

**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

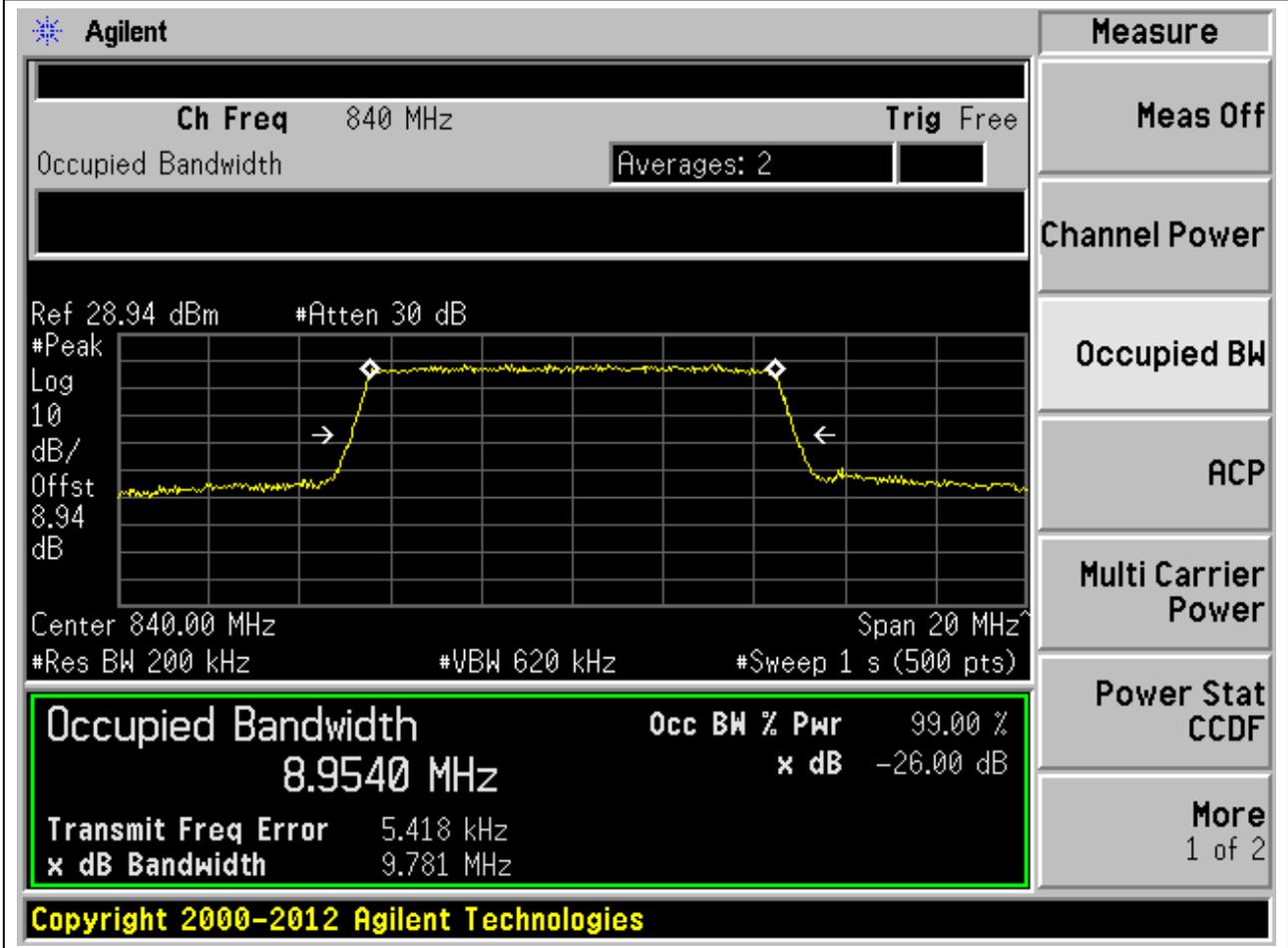
Power Stat CCDF

More 1 of 2

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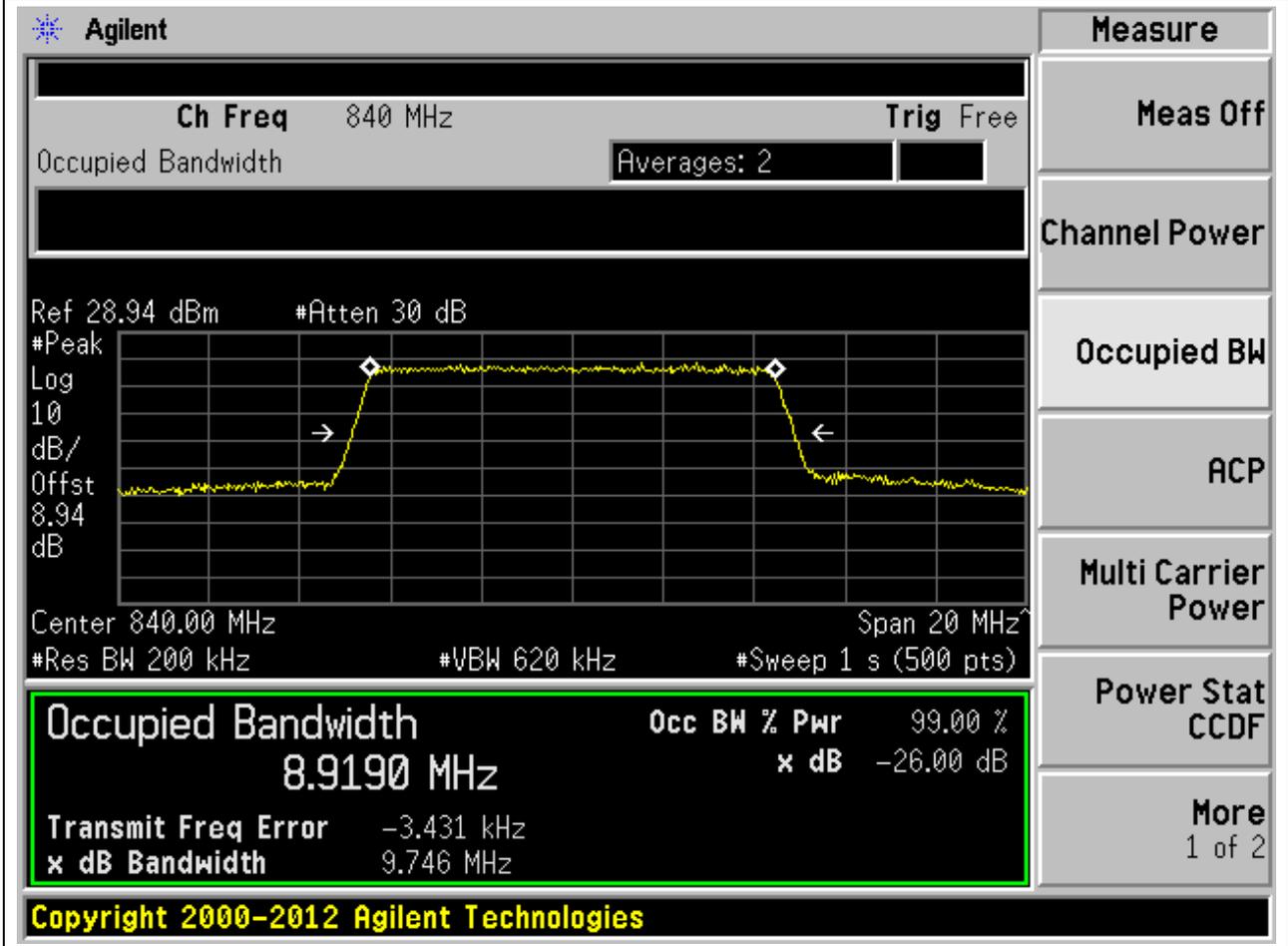
**8.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24100, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
840	99	26	0.2	Peak	8.95	9.78	10	Pass



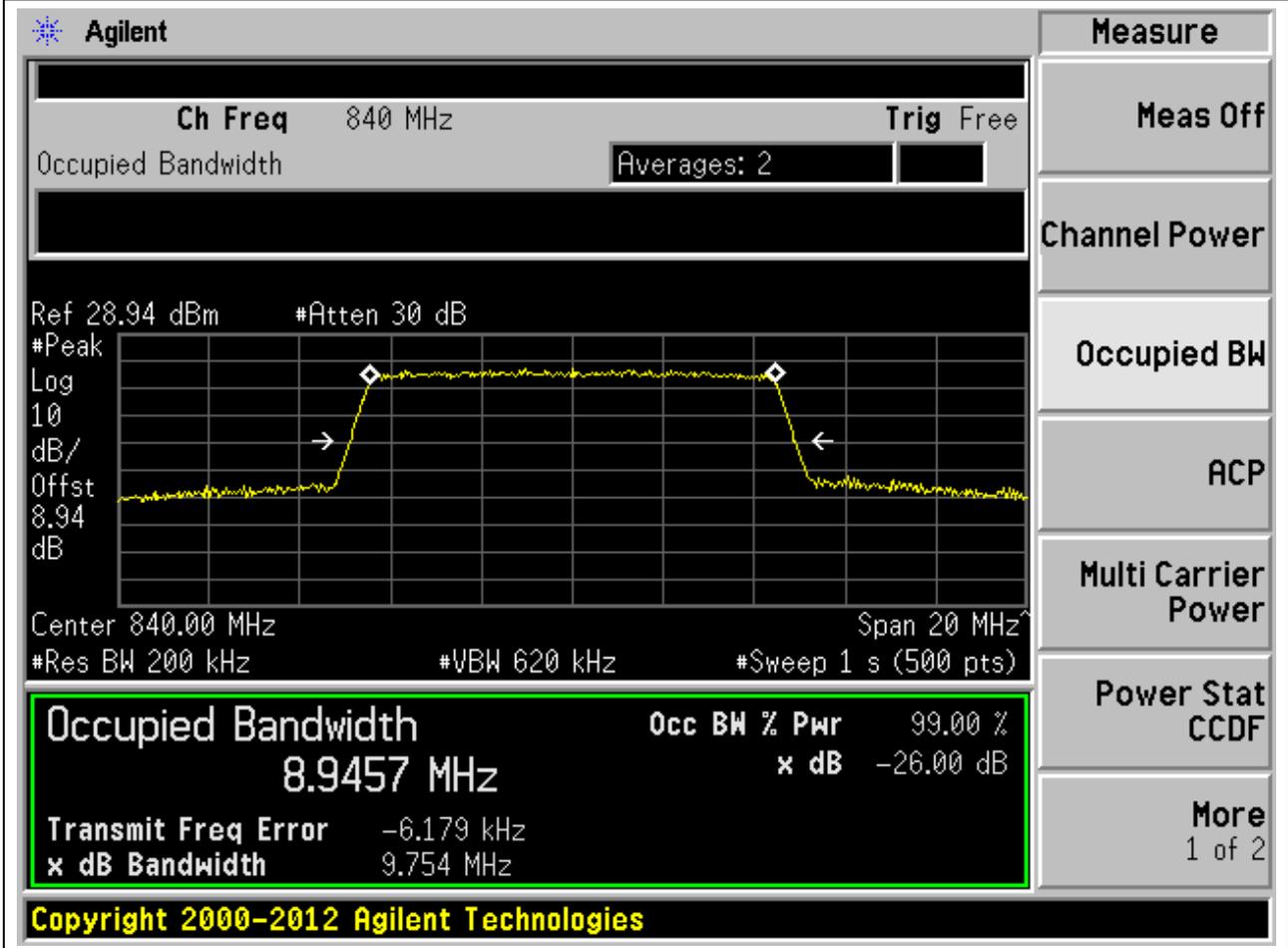
**8.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24100, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
840	99	26	0.2	Peak	8.92	9.75	10	Pass



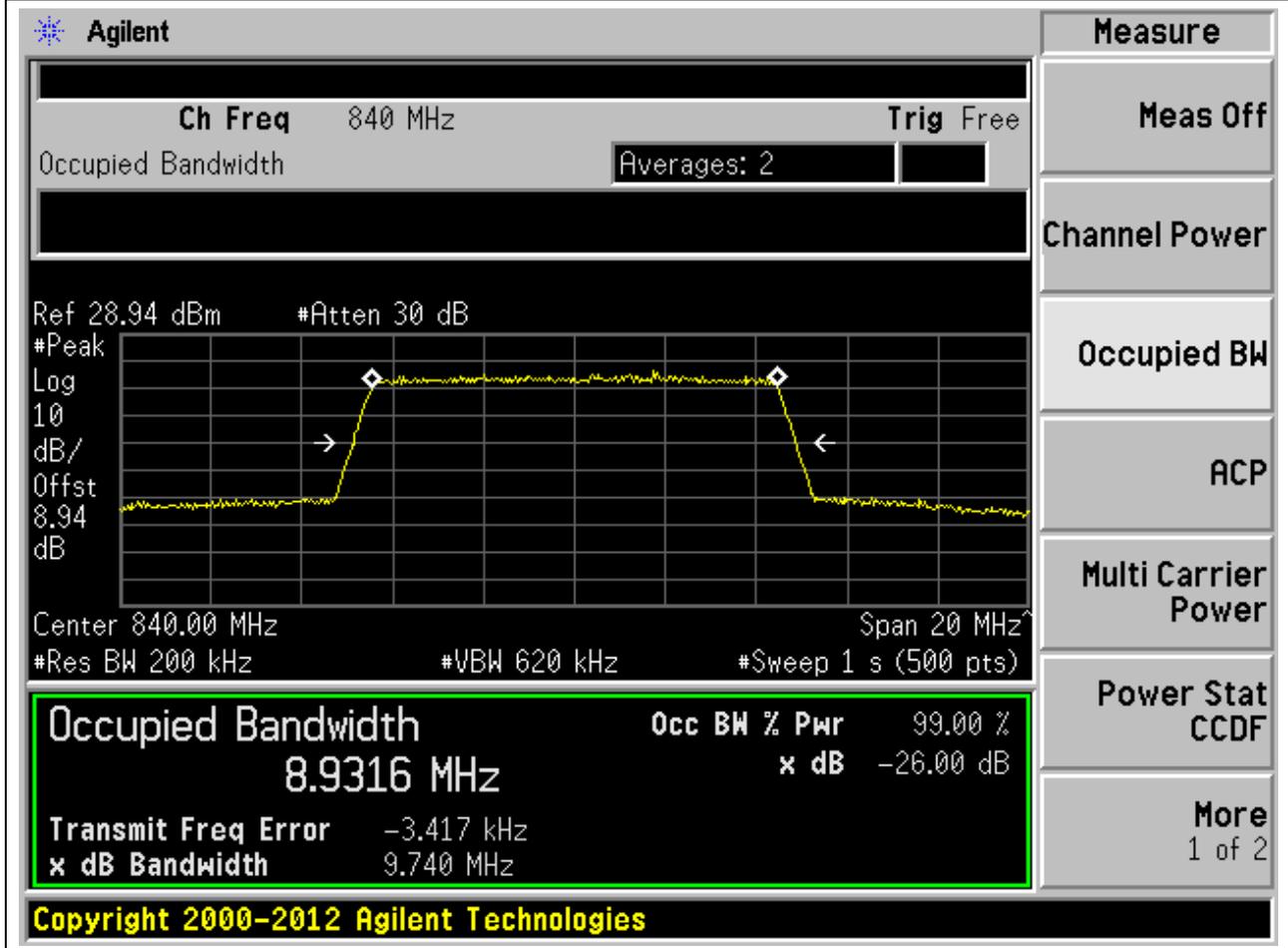
**8.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24100, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
840	99	26	0.2	Peak	8.95	9.75	10	Pass



**8.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24100, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
840	99	26	0.2	Peak	8.93	9.74	10	Pass



**8.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.3	Peak	13.42	14.64	15	Pass

Agilent

Measure

Ch Freq 837.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.94

dB

Center 837.50 MHz
Span 30 MHz

#Res BW 300 kHz
#VBW 620 kHz
#Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4207 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 8.070 kHz	
<b>x dB Bandwidth</b> 14.640 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**8.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.3	Peak	13.42	14.69	15	Pass

Agilent
Measure

Ch Freq 837.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 837.50 MHz Span 30 MHz

#Res BW 300 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**13.4197 MHz**

Transmit Freq Error -2.719 kHz

x dB Bandwidth 14.689 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**8.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.3	Peak	13.41	14.66	15	Pass

Agilent

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

Ch Freq 837.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm    #Atten 30 dB

#Peak

Log

10 dB/

Offst 8.94 dB

Center 837.50 MHz    Span 30 MHz

#Res BW 300 kHz    #VBW 620 kHz    #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4076 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 9.637 kHz	
<b>x dB Bandwidth</b> 14.661 MHz	

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**8.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:24075, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
837.5	99	26	0.3	Peak	13.4	14.58	15	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:

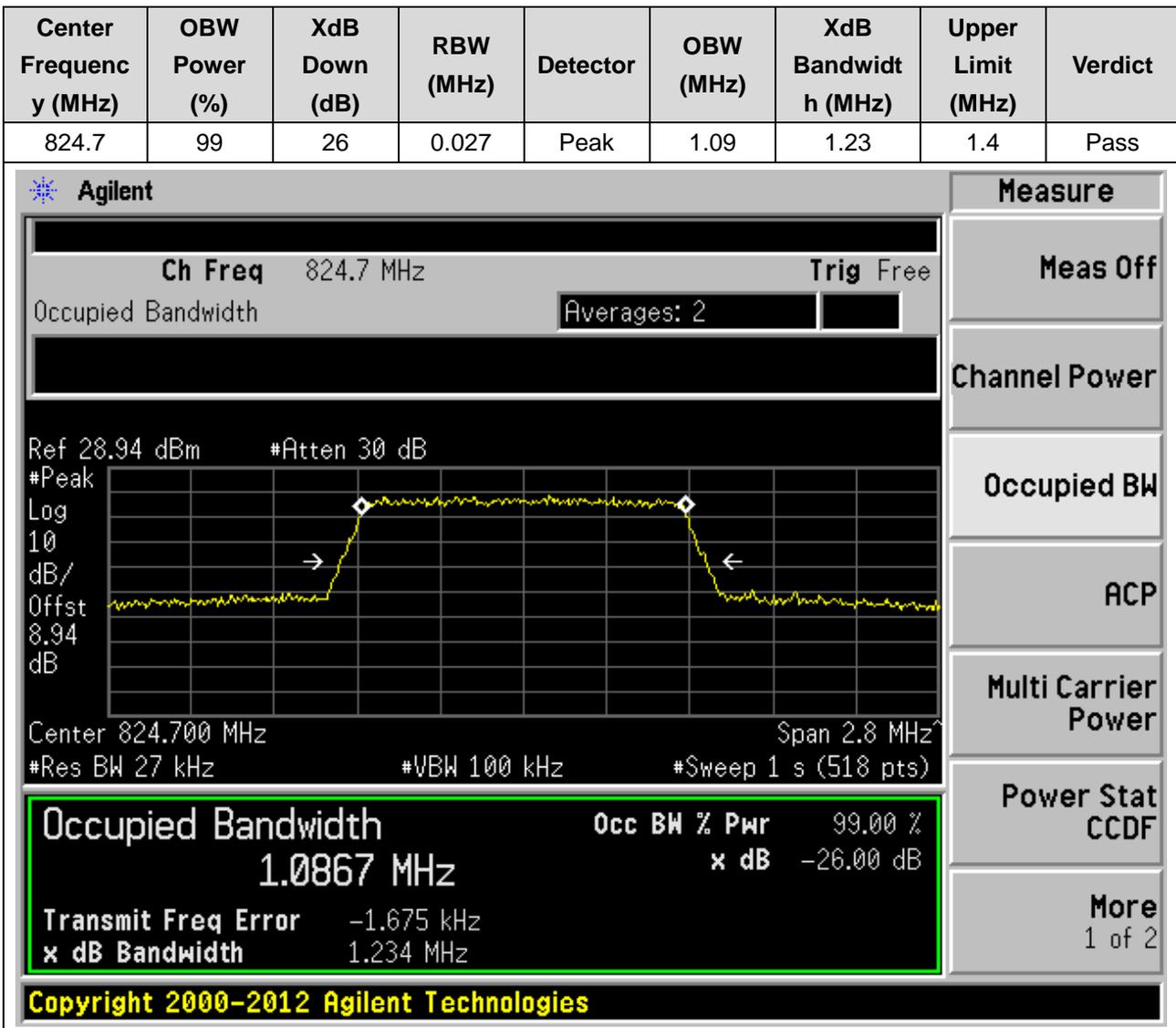
Measurement	Value
Occupied Bandwidth	13.3997 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	2.407 kHz
x dB Bandwidth	14.583 MHz

Other visible parameters include: Ch Freq 837.5 MHz, Trig Free, Averages: 2, Ref 28.94 dBm, #Atten 30 dB, #Peak, Log 10 dB/Offst 8.94 dB, Center 837.50 MHz, Span 30 MHz, #Res BW 300 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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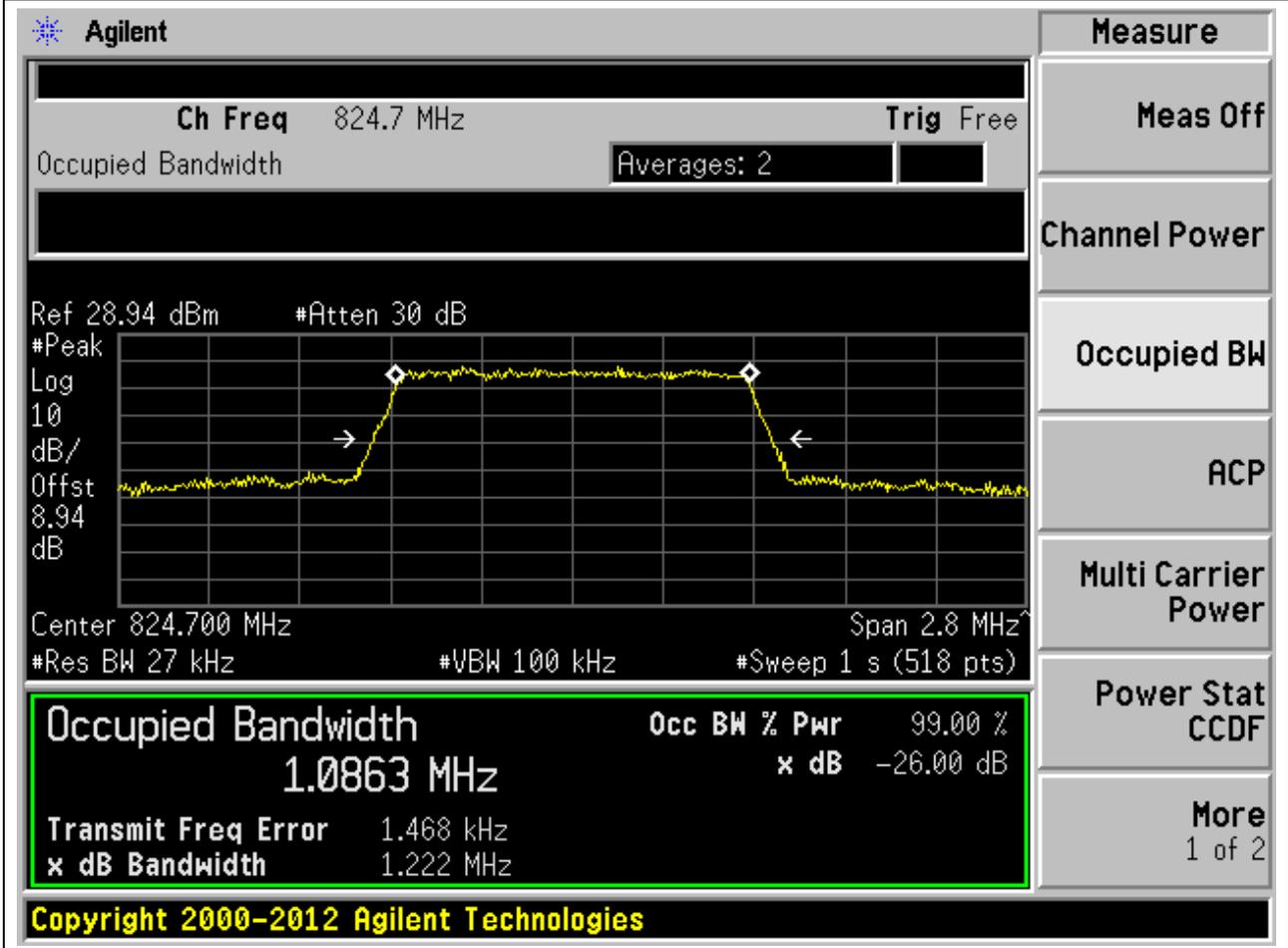
## 9. LTE\_Band26(part22)

9.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26797, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



**9.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26797, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.09	1.22	1.4	Pass



**9.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26797, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.09	1.23	1.4	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:

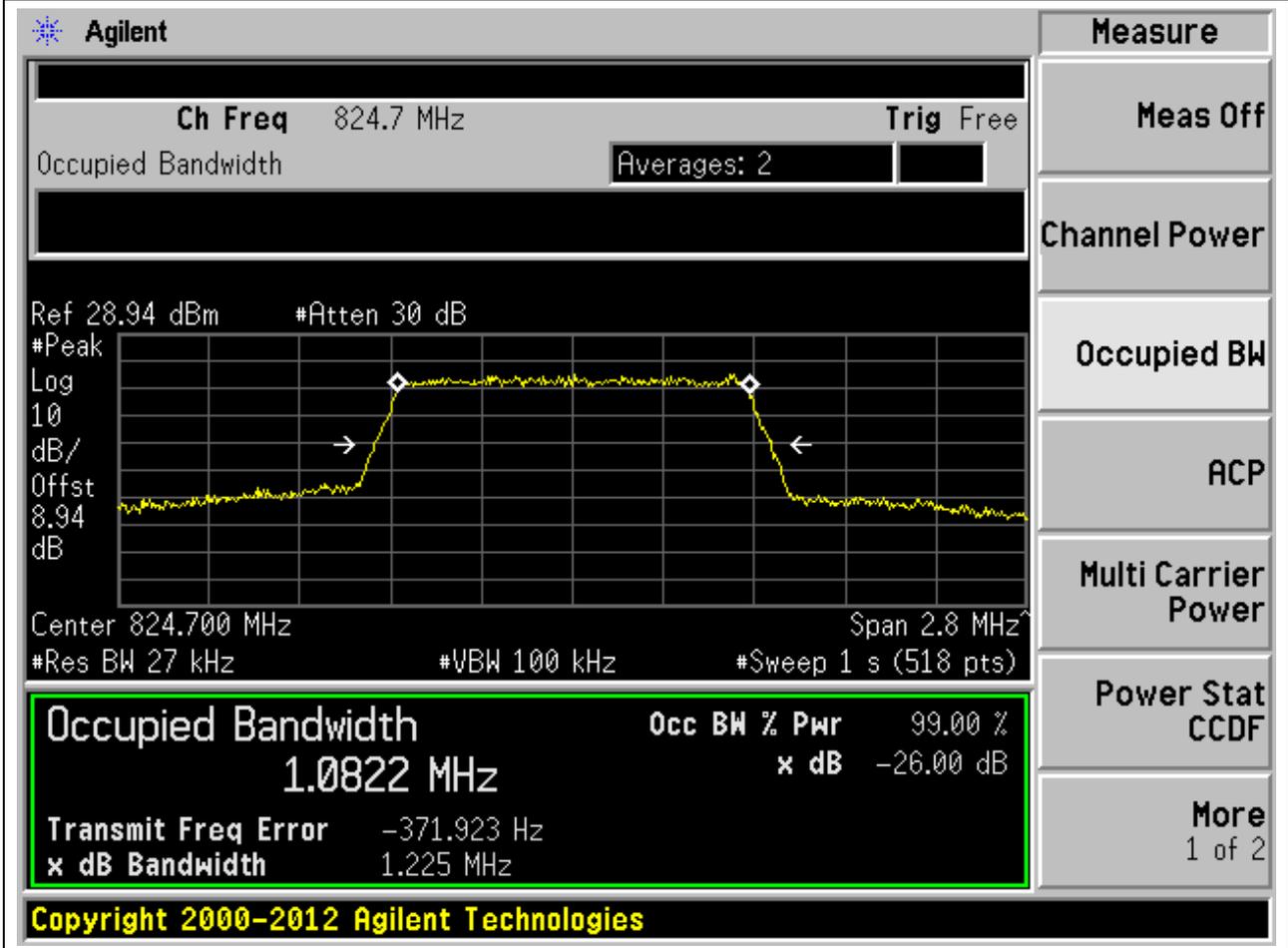
Measurement	Value
Occupied Bandwidth	1.0872 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	7.308 Hz
x dB Bandwidth	1.227 MHz

Additional parameters shown in the interface include: Ch Freq 824.7 MHz, Trig Free, Averages: 2, Ref 28.94 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 824.700 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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**9.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26797, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.08	1.22	1.4	Pass



**9.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:1.4, Modulation:QPSK, RB Number:6, 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	0.027	Peak	1.09	1.23	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 836.5 MHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a reference level of 28.94 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted in a green box, showing a value of 1.0853 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.319 kHz and the XdB bandwidth is 1.229 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 shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

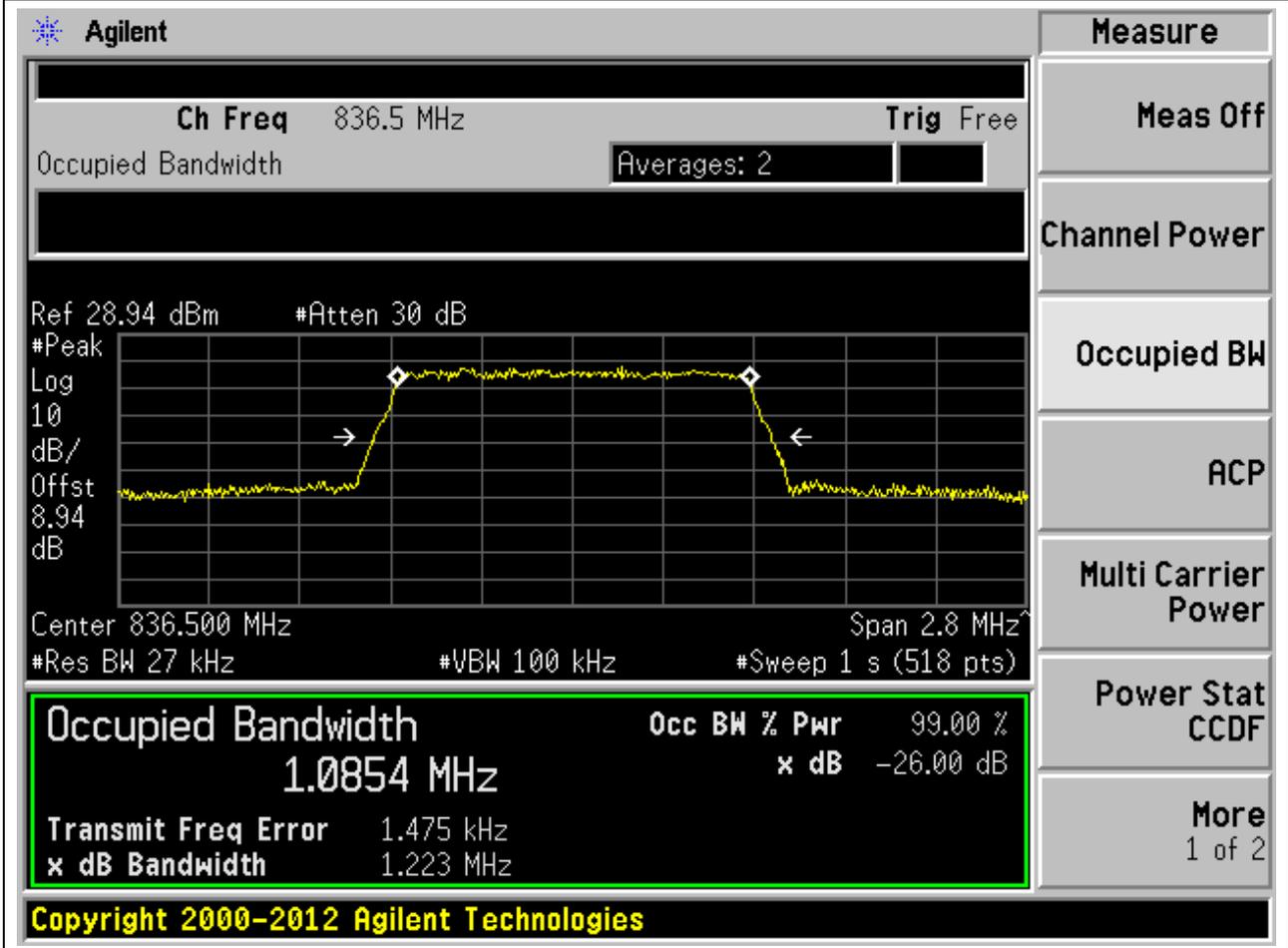
Occupied Bandwidth	Occ BW % Pwr	x dB
1.0853 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -1.319 kHz  
x dB Bandwidth: 1.229 MHz

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**9.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:1.4, Modulation:16QAM, RB Number:6, 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	0.027	Peak	1.09	1.22	1.4	Pass



**9.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:1.4, Modulation:64QAM, RB Number:6, 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	0.027	Peak	1.09	1.23	1.4	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.94

dB

Center 836.500 MHz    Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.0874 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 476.364 Hz	
<b>x dB Bandwidth</b> 1.227 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

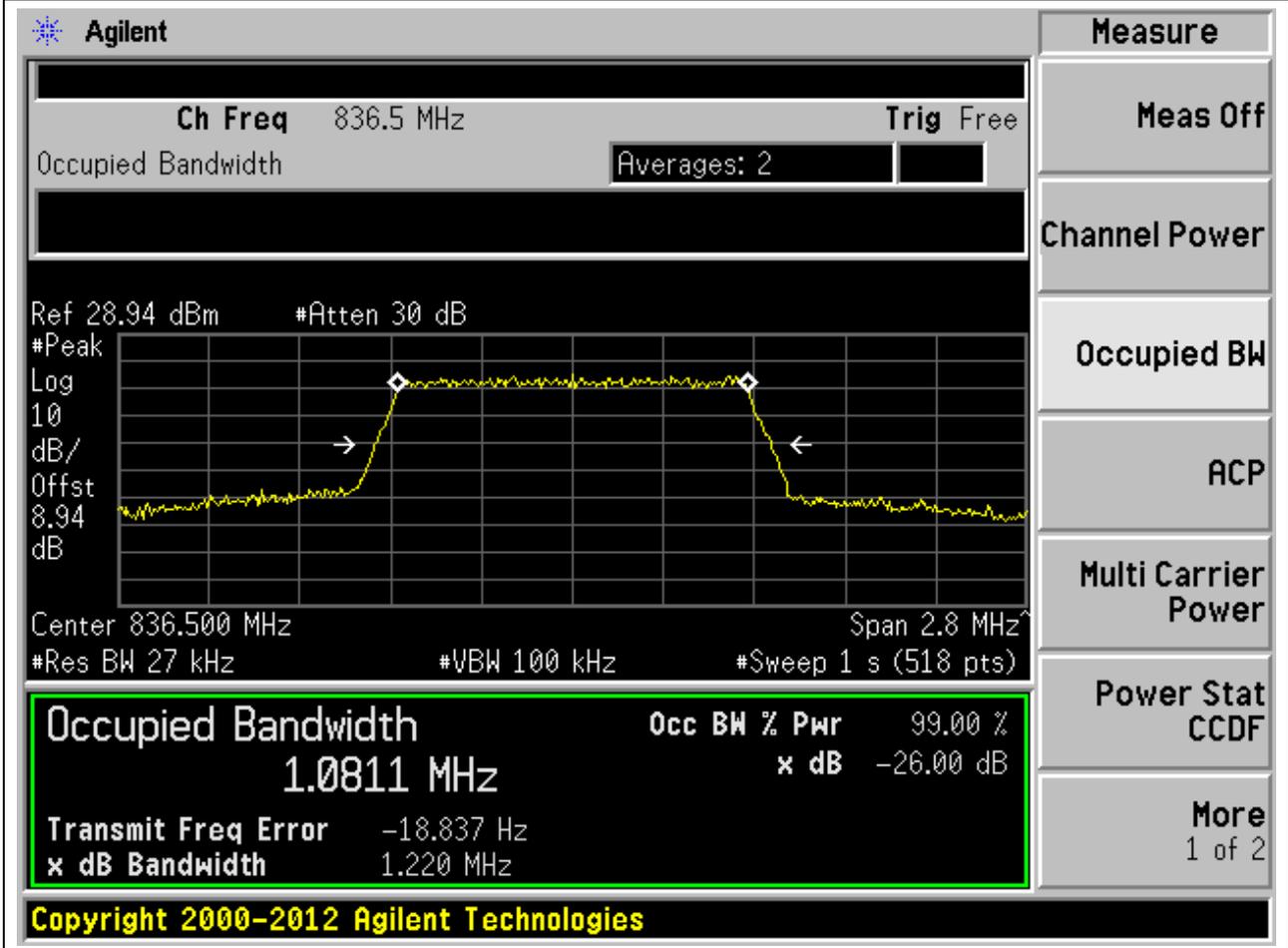
Power Stat CCDF

More  
1 of 2

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**9.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:1.4, Modulation:256QAM, RB Number:6, 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	0.027	Peak	1.08	1.22	1.4	Pass



**9.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27033, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 848.3 MHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a reference level of 28.94 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted in a green box, showing a value of 1.0852 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB bandwidth is 1.228 MHz. The XdB down is -26.00 dB. The transmit frequency error is -2.864 kHz. The interface also shows various measurement settings like Res BW (27 kHz), VBW (100 kHz), and Sweep (1 s). A vertical menu on the right side offers various measurement options, with 'Occupied BW' selected. The bottom of the screen displays the copyright information: Copyright 2000-2012 Agilent Technologies.

Occupied Bandwidth	Occ BW % Pwr	x dB
1.0852 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -2.864 kHz  
x dB Bandwidth: 1.228 MHz

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**9.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27033, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.23	1.4	Pass

**Agilent**

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 848.300 MHz Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.0862 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		1.230 kHz
<b>x dB Bandwidth</b>		1.225 MHz

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**9.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27033, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.23	1.4	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	1.0865 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	97.715 Hz
x dB Bandwidth	1.228 MHz

Other parameters shown in the interface include: Ch Freq 848.3 MHz, Trig Free, Averages: 2, Ref 28.94 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.94 dB, Center 848.300 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, #Sweep 1 s (518 pts).

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**9.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27033, Bandwidth:1.4, Modulation:256QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.08	1.22	1.4	Pass

Agilent
Measure

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 848.300 MHz Span 2.8 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

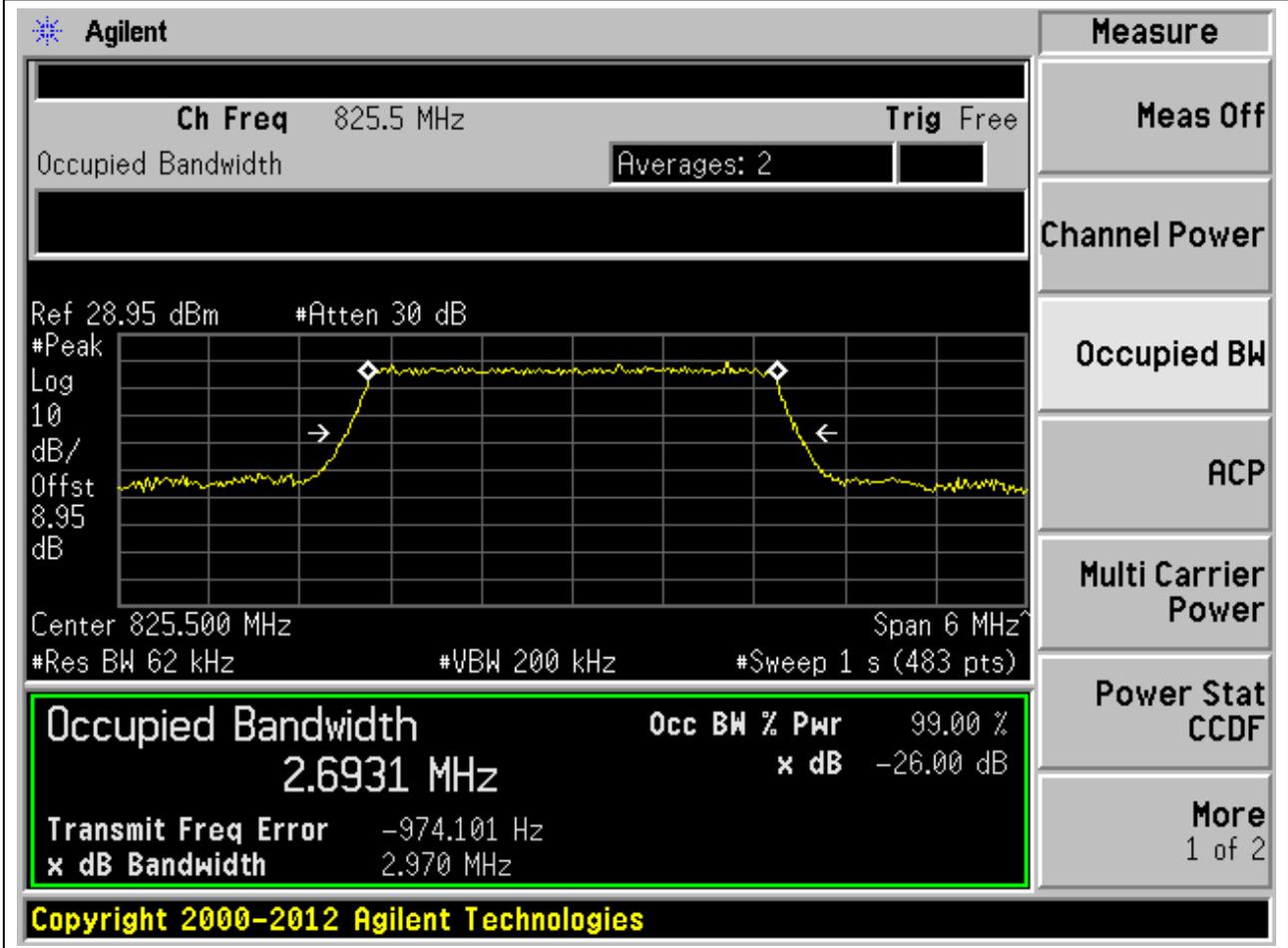
More 1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.0826 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -1.590 kHz	
<b>x dB Bandwidth</b> 1.225 MHz	

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**9.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26805, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.69	2.97	3	Pass



**9.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26805, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.69	3	3	Pass

Agilent
Measure

Ch Freq 825.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 825.500 MHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**2.6910 MHz**

Transmit Freq Error -252.045 Hz

x dB Bandwidth 3.003 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**9.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26805, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.69	2.98	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 825.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 28.95 dBm, an attenuation of 30 dB, a center frequency of 825.500 MHz, a span of 6 MHz, a resolution bandwidth of 62 kHz, a video bandwidth of 200 kHz, and a sweep time of 1 second. The Occupied Bandwidth (OBW) is highlighted in a green box, showing a value of 2.6898 MHz. The OBW percentage power is 99.00%, and the XdB bandwidth is 2.982 MHz. The XdB down is -26.00 dB. The transmit frequency error is 3.828 kHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

**9.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26805, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.7	3.01	3	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	2.6951 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	755.800 Hz
x dB Bandwidth	3.006 MHz

Other visible parameters include: Ch Freq 825.5 MHz, Trig Free, Averages: 2, Ref 28.95 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.95 dB, Center 825.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts).

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**9.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:3, Modulation:QPSK, RB Number:15, 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	0.062	Peak	2.69	2.99	3	Pass

**Agilent**
**Measure**

**Ch Freq** 836.5 MHz
**Trig** Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.94

dB

Center 836.500 MHz    Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6880 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 434.326 Hz	
<b>x dB Bandwidth</b> 2.988 MHz	

**Power Stat**

CCDF

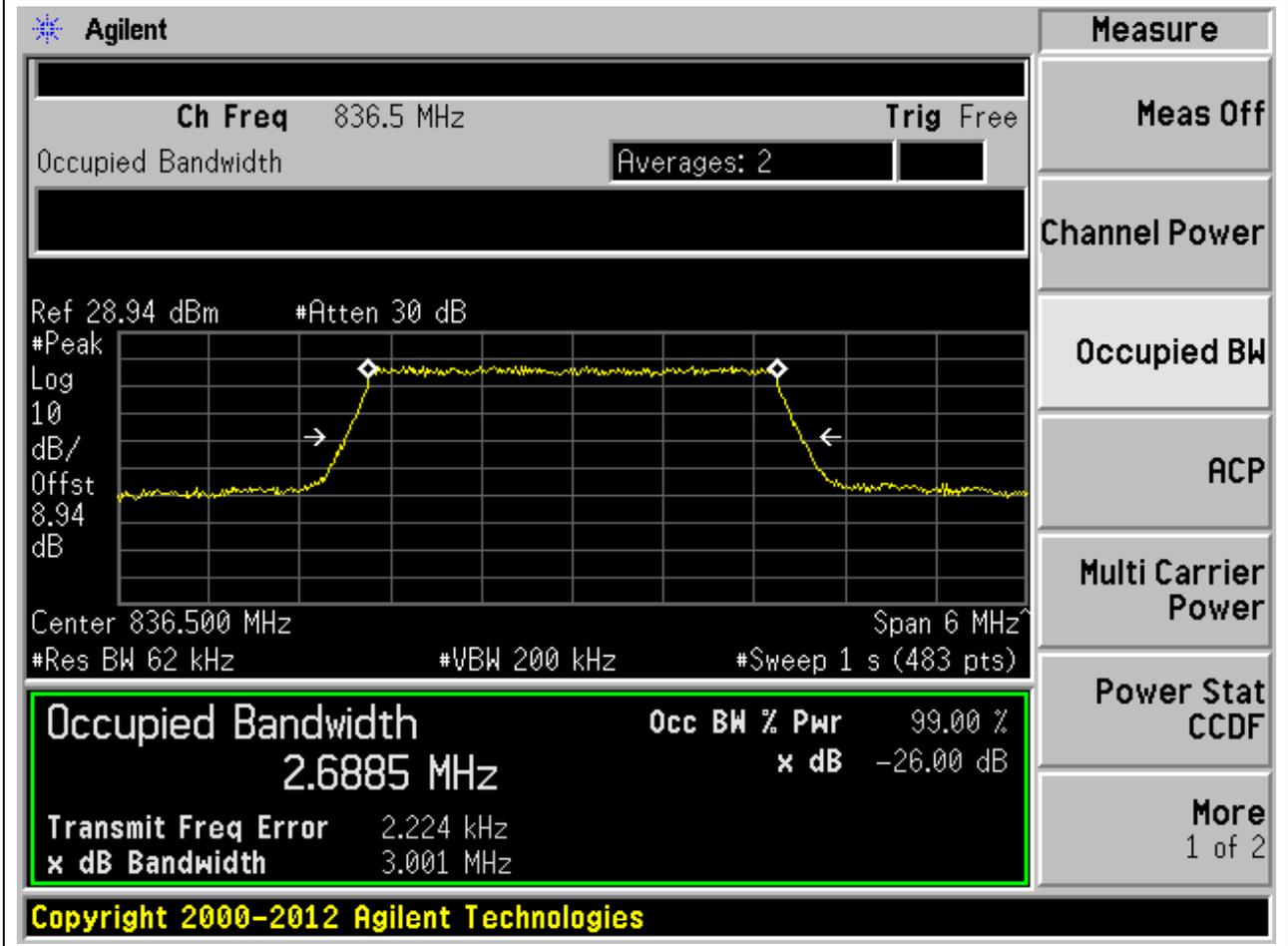
**More**

1 of 2

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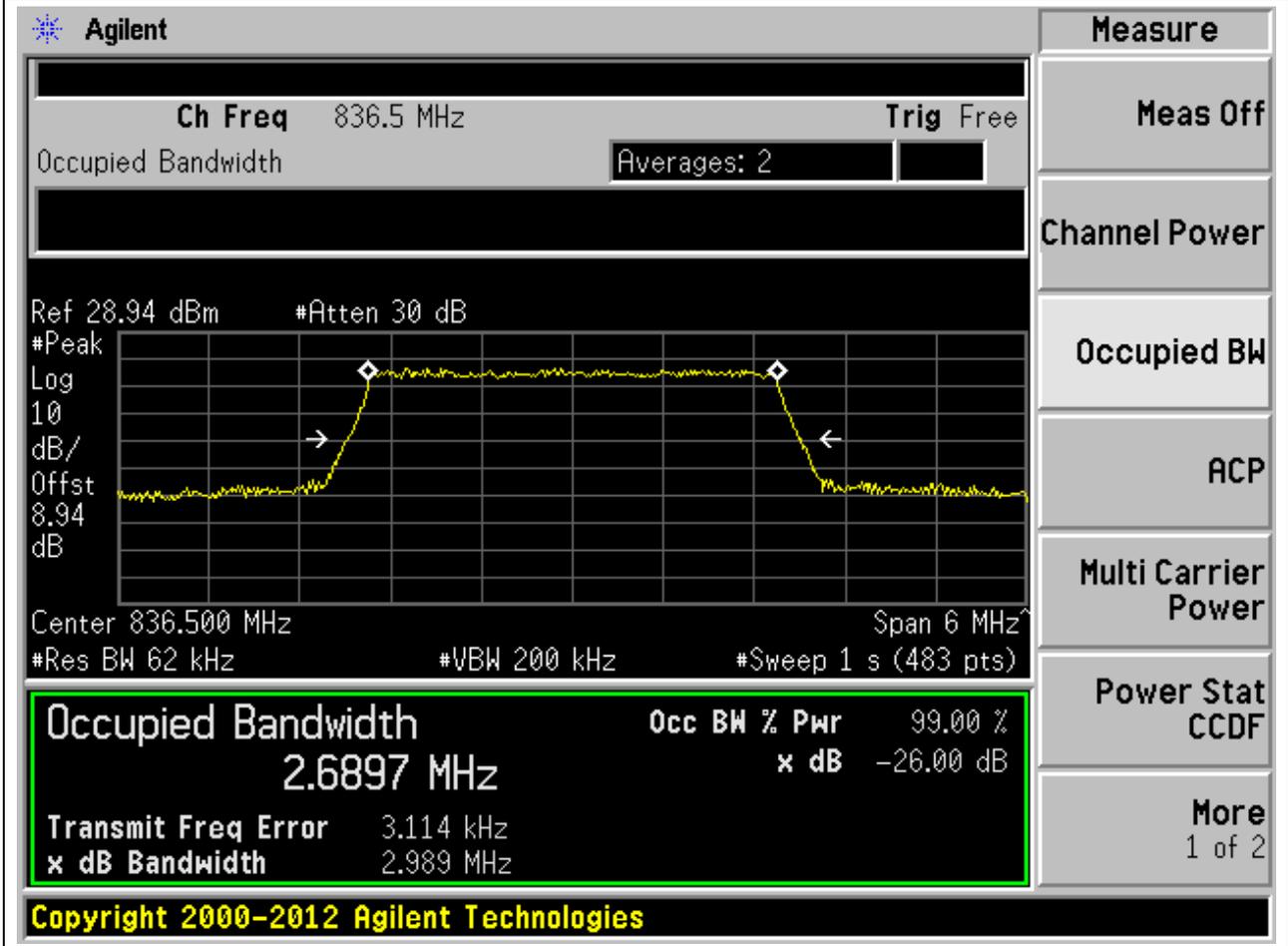
**9.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.69	3	3	Pass



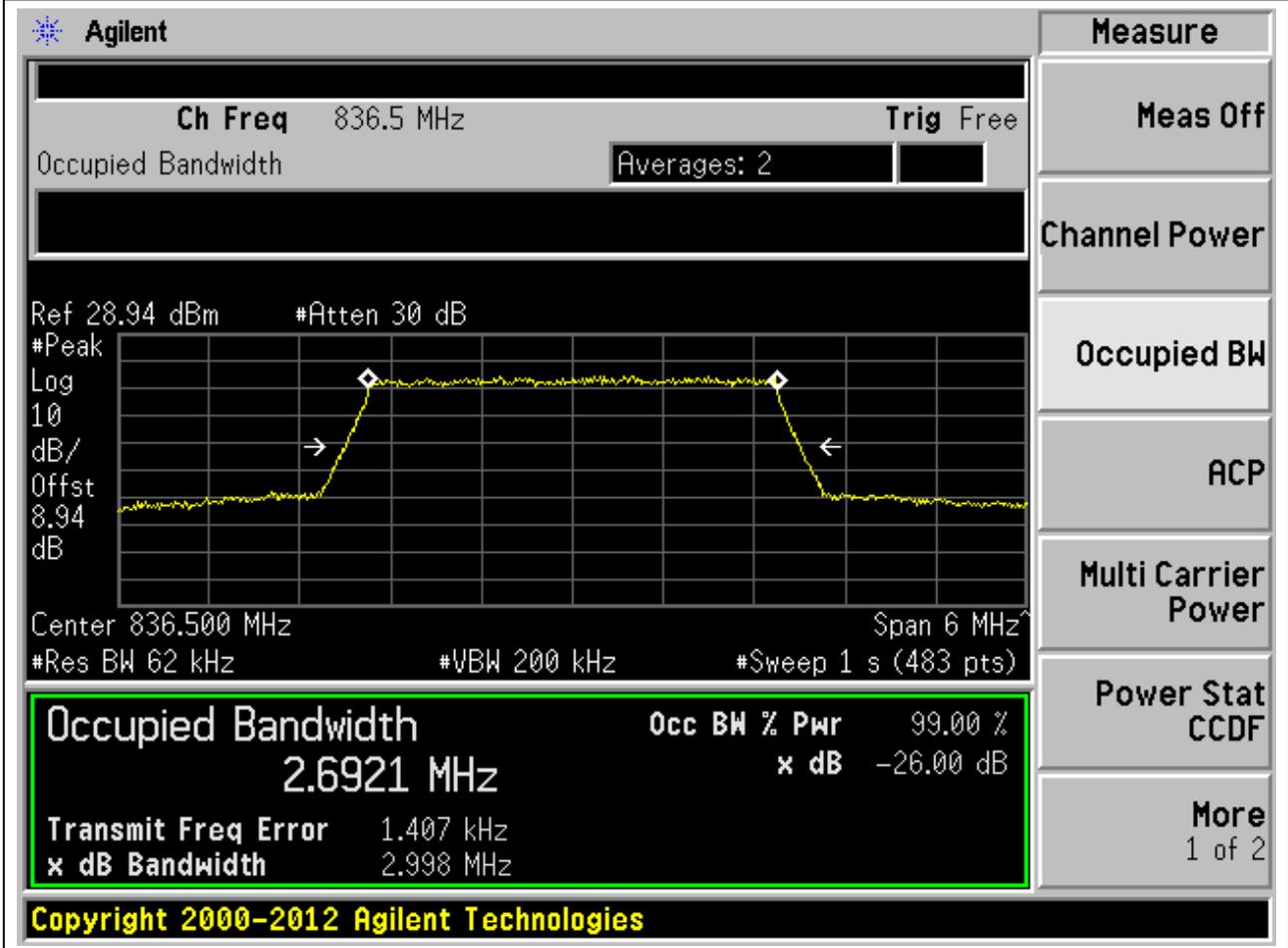
**9.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.69	2.99	3	Pass



**9.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:3, Modulation:256QAM, RB Number:15, 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	0.062	Peak	2.69	3	3	Pass



**9.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27025, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.69	3	3	Pass

Agilent

Measure

Ch Freq 847.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.94

dB

Center 847.500 MHz
Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6871 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -7.921 kHz	
<b>x dB Bandwidth</b> 3.004 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**9.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27025, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.69	2.97	3	Pass

Agilent

Measure

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.94 dB

Center 847.500 MHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**2.6896 MHz**

Transmit Freq Error -2.314 kHz

x dB Bandwidth 2.974 MHz

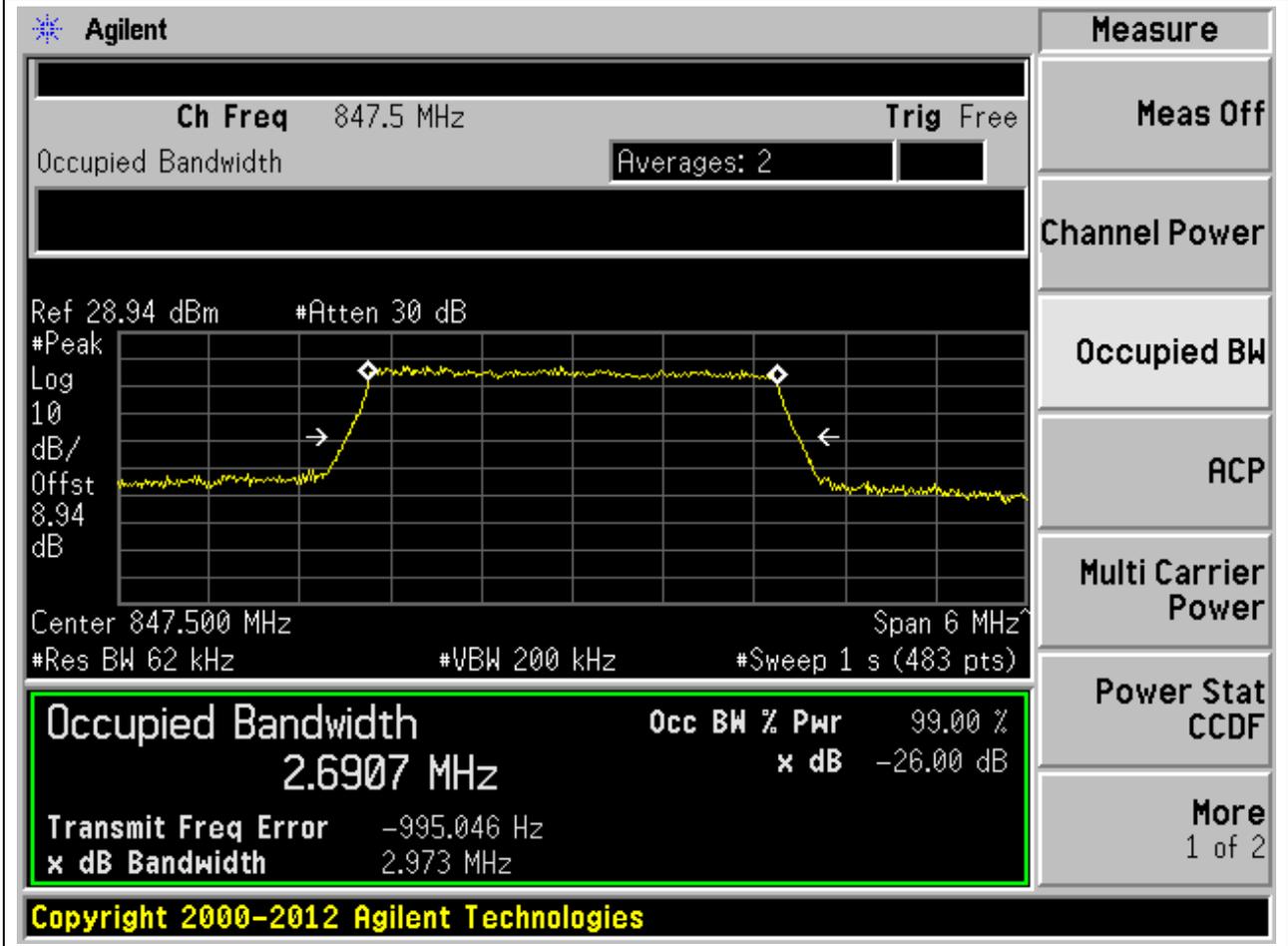
**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**9.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27025, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.69	2.97	3	Pass



**9.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:27025, Bandwidth:3, Modulation:256QAM, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.7	3	3	Pass

Agilent

Measure

Ch Freq 847.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.94

dB

Center 847.500 MHz
Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6953 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -4.076 kHz	
<b>x dB Bandwidth</b> 3.001 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**9.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26815, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	4.97	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.4874 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.208 kHz
x dB Bandwidth	4.971 MHz

Additional parameters shown in the interface include: Ch Freq 826.5 MHz, Trig Free, Averages: 2, Ref 28.95 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 8.95 dB, Center 826.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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**9.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26815, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.48	4.96	5	Pass

Agilent

Measure

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 826.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.4796 MHz**

Transmit Freq Error -2.063 kHz

x dB Bandwidth 4.956 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**9.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26815, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

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

Agilent

Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 826.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4916 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -6.443 kHz	
<b>x dB Bandwidth</b> 4.943 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**9.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26815, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.48	4.9	5	Pass

**Agilent**

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.95 dB

Center 826.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4768 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	829.793 Hz	
<b>x dB Bandwidth</b>	4.900 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**9.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.48	4.99	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.94 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.94 dB

Center 836.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4835 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -914.232 Hz	
<b>x dB Bandwidth</b> 4.989 MHz	

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**9.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.48	4.95	5	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.94 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.94

dB

Center 836.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4819 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 2.157 kHz	
<b>x dB Bandwidth</b> 4.947 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**9.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.49	4.95	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.5 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4905 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4905 MHz	x dB	-26.00 dB
Transmit Freq Error	570.356 Hz	
x dB Bandwidth	4.954 MHz	

**9.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM&256QAM)(NTNV)(Channel:26915, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.48	4.9	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 836.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Center 836.500 MHz, Span 10 MHz, Res BW 100 kHz, VBW 300 kHz, Sweep 1 s (500 pts). The plot shows a signal with a peak at 8.94 dB. The occupied bandwidth is measured as 4.4751 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -779.771 Hz. The XdB bandwidth is 4.899 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.