

**12.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38175, 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
2612.5	99	26	0.3	Peak	13.48	14.92	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 2.6125 GHz with a span of 30 MHz. The vertical axis is labeled 'dB/Offst' with a reference of 30 dBm and an attenuation of 30 dB. The horizontal axis is labeled 'MHz'. The plot shows a signal with a peak at approximately 2.6125 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4821 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 4.544 kHz and the 'x dB Bandwidth' is 14.925 MHz. The interface also shows various measurement settings and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4821 MHz	99.00 %	-26.00 dB

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**12.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38175, 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
2612.5	99	26	0.3	Peak	13.47	14.98	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.6125 GHz **Trig** Free

Occupied Bandwidth Averages: 2

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.612 50 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4744 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 8.000 kHz	
<b>x dB Bandwidth</b> 14.977 MHz	

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**12.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38175, 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
2612.5	99	26	0.3	Peak	13.49	14.87	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.6125 GHz **Trig** Free

Occupied Bandwidth Averages: 2

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.612 50 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4947 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 4.550 kHz	
<b>x dB Bandwidth</b> 14.874 MHz	

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**12.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:37850, 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
2580	99	26	0.39	Peak	17.96	19.74	20	Pass

**Agilent**

Ch Freq 2.58 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.580 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9589 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	2.802 kHz	
<b>x dB Bandwidth</b>	19.743 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**12.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:37850, 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
2580	99	26	0.39	Peak	17.98	19.84	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.58 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 11.5 dB', 'Center 2.580 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 10 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9772 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 4.279 kHz' and 'x dB Bandwidth 19.842 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

**12.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:37850, 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
2580	99	26	0.39	Peak	17.93	19.78	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.58 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in green, showing a value of 17.9304 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
17.9304 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 7.370 kHz  
x dB Bandwidth: 19.780 MHz

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**12.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38000, 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
2595	99	26	0.39	Peak	17.96	19.87	20	Pass

**Agilent**

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.595 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9646 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-7.880 kHz
<b>x dB Bandwidth</b>		19.869 MHz

**Measures**

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

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**12.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38000, 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
2595	99	26	0.39	Peak	17.98	19.89	20	Pass

**Agilent**

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.595 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9791 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-4.894 kHz
<b>x dB Bandwidth</b>		19.888 MHz

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**Measure**

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



**12.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38000, 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
2595	99	26	0.39	Peak	17.98	19.87	20	Pass

**Agilent**
**Measure**

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

Occupied Bandwidth Averages: 2

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.595 00 GHz Span 40 MHz

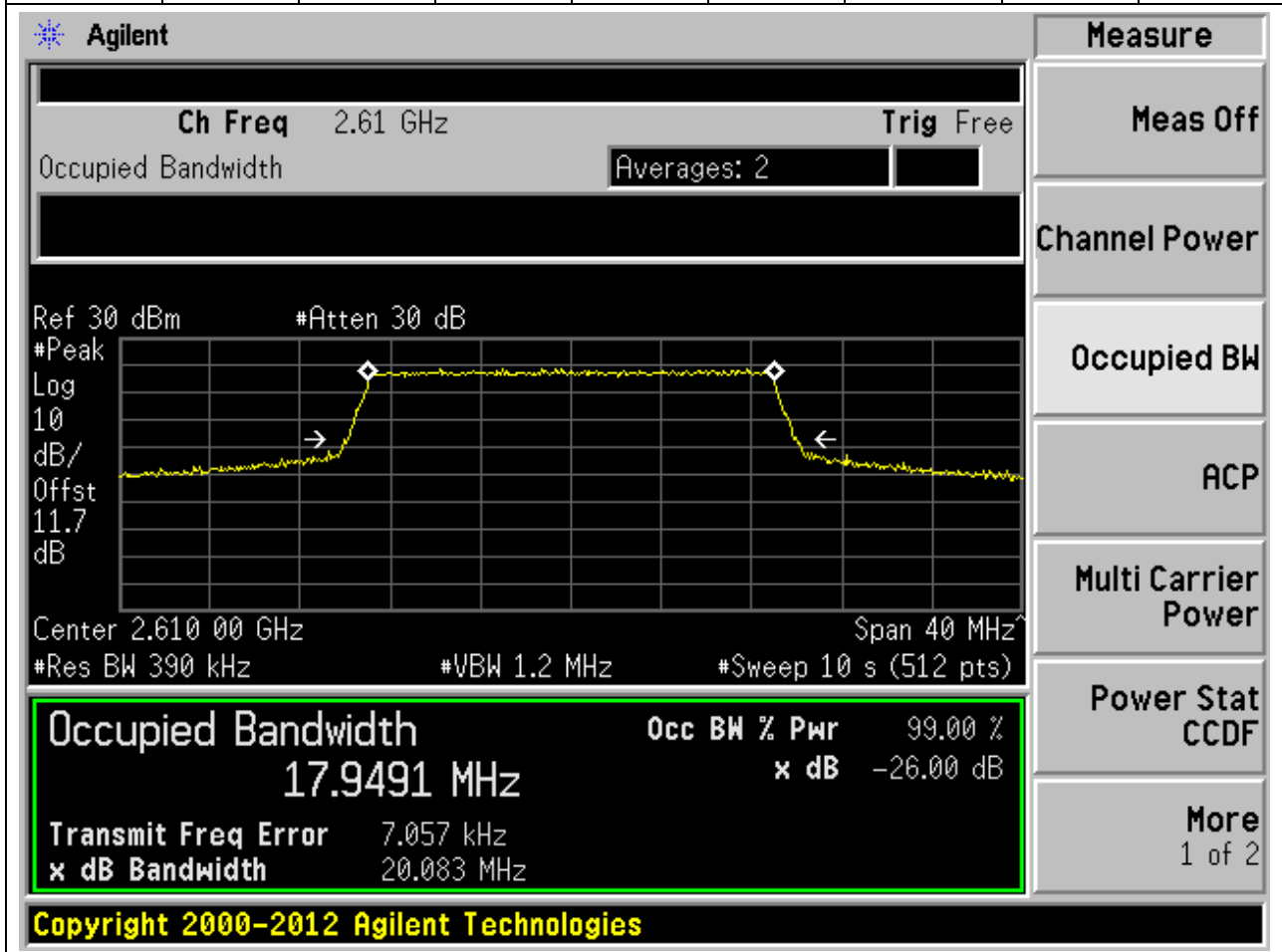
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
17.9798 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 18.425 kHz	
<b>x dB Bandwidth</b> 19.866 MHz	

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**12.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38150, 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
2610	99	26	0.39	Peak	17.95	20.08	20	Pass



**12.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38150, 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
2610	99	26	0.39	Peak	17.96	19.91	20	Pass

**Agilent**

Ch Freq 2.61 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.610 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9604 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	23.918 kHz	
<b>x dB Bandwidth</b>	19.905 MHz	

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**12.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:38150, 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
2610	99	26	0.39	Peak	17.96	19.78	20	Pass

**Agilent**

Ch Freq 2.61 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.610 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9572 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-2.783 kHz
<b>x dB Bandwidth</b>		19.778 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

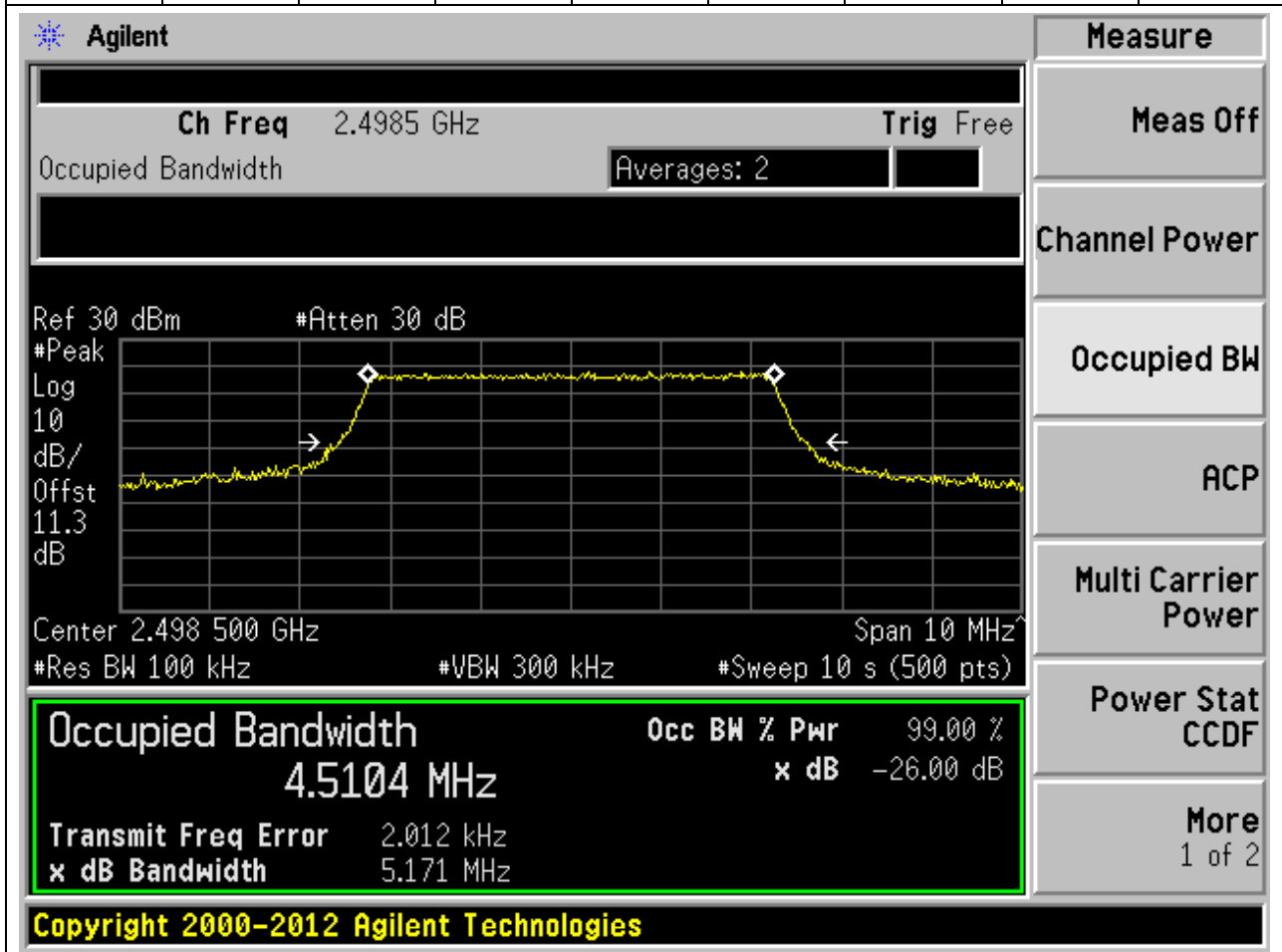
Power Stat CCDF

More 1 of 2

### 13. LTE\_Band41 full

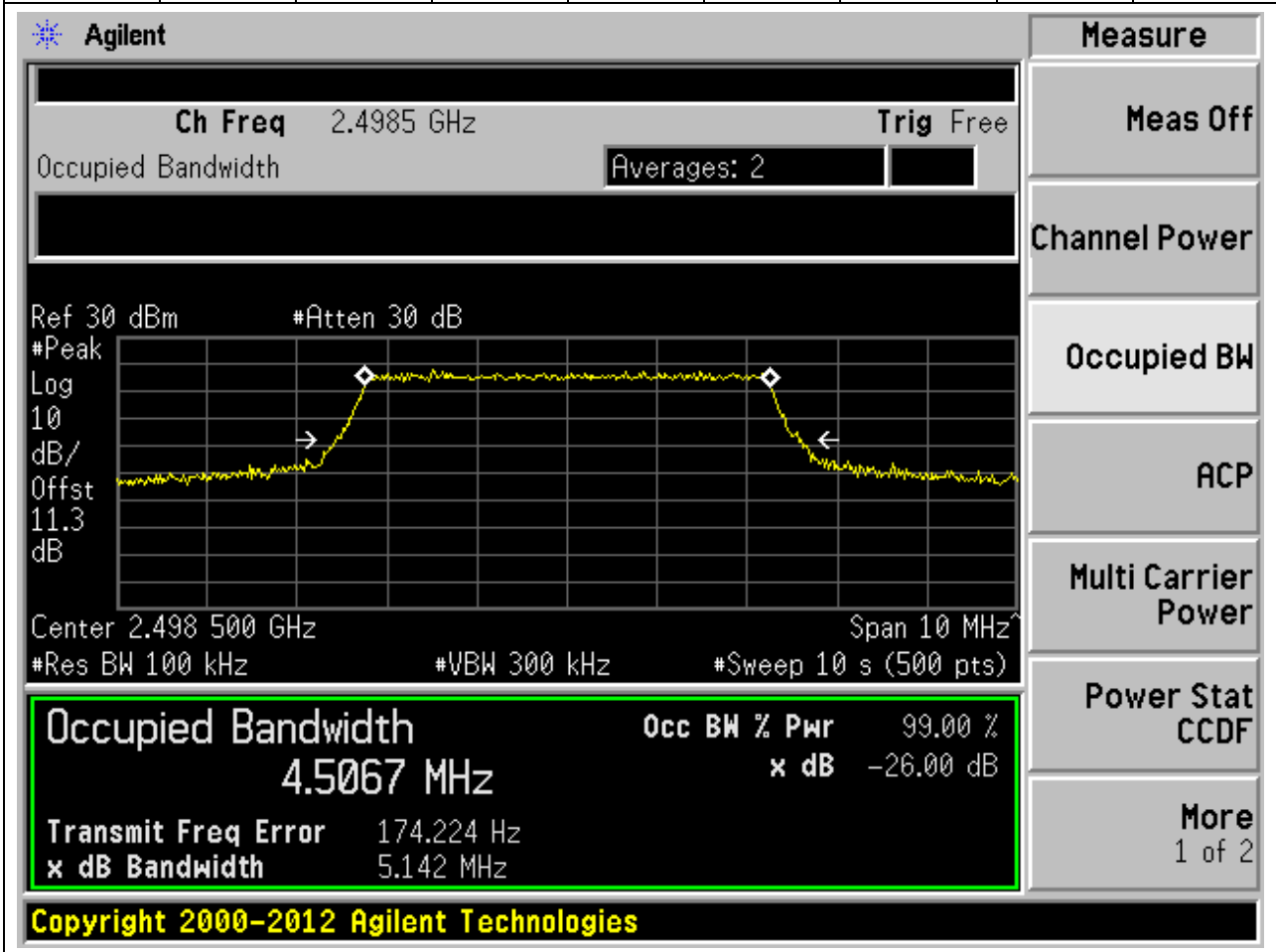
#### 13.1. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.51	5.17	5	Pass



**13.2. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39675, 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
2498.5	99	26	0.1	Peak	4.51	5.14	5	Pass



**13.3. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39675, 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
2498.5	99	26	0.1	Peak	4.52	5.12	5	Pass

**Agilent**

Ch Freq 2.4985 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.498 500 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 %
4.5163 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	3.999 kHz	
<b>x dB Bandwidth</b>	5.122 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**13.4. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.1	Peak	4.51	5.17	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.593 GHz. The occupied bandwidth is highlighted in a green box with the following values:

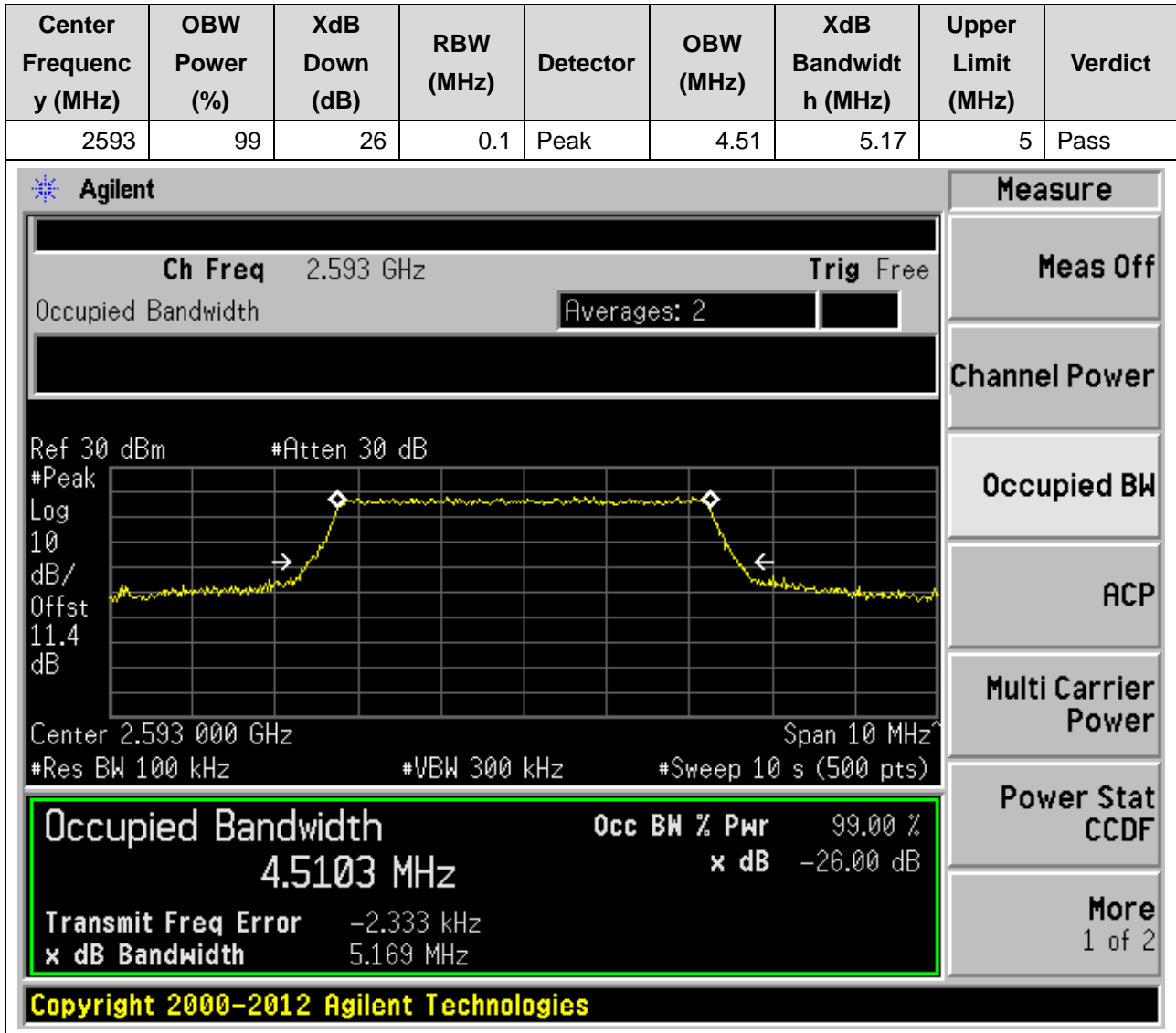
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>4.5127 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-898.333 Hz
<b>x dB Bandwidth</b>		5.172 MHz

Additional parameters shown in the interface include: Ch Freq 2.593 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.4 dB, Center 2.593 000 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 10 s (500 pts).

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**13.5. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**



**13.6. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.1	Peak	4.5	5.15	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.593 GHz. 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>4.5041 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-2.775 kHz
<b>x dB Bandwidth</b>		5.149 MHz

Additional parameters shown in the interface include: Ch Freq 2.593 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 11.4 dB, Center 2.593 000 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 10 s (500 pts).

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**13.7. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41565, 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
2687.5	99	26	0.1	Peak	4.52	5.14	5	Pass

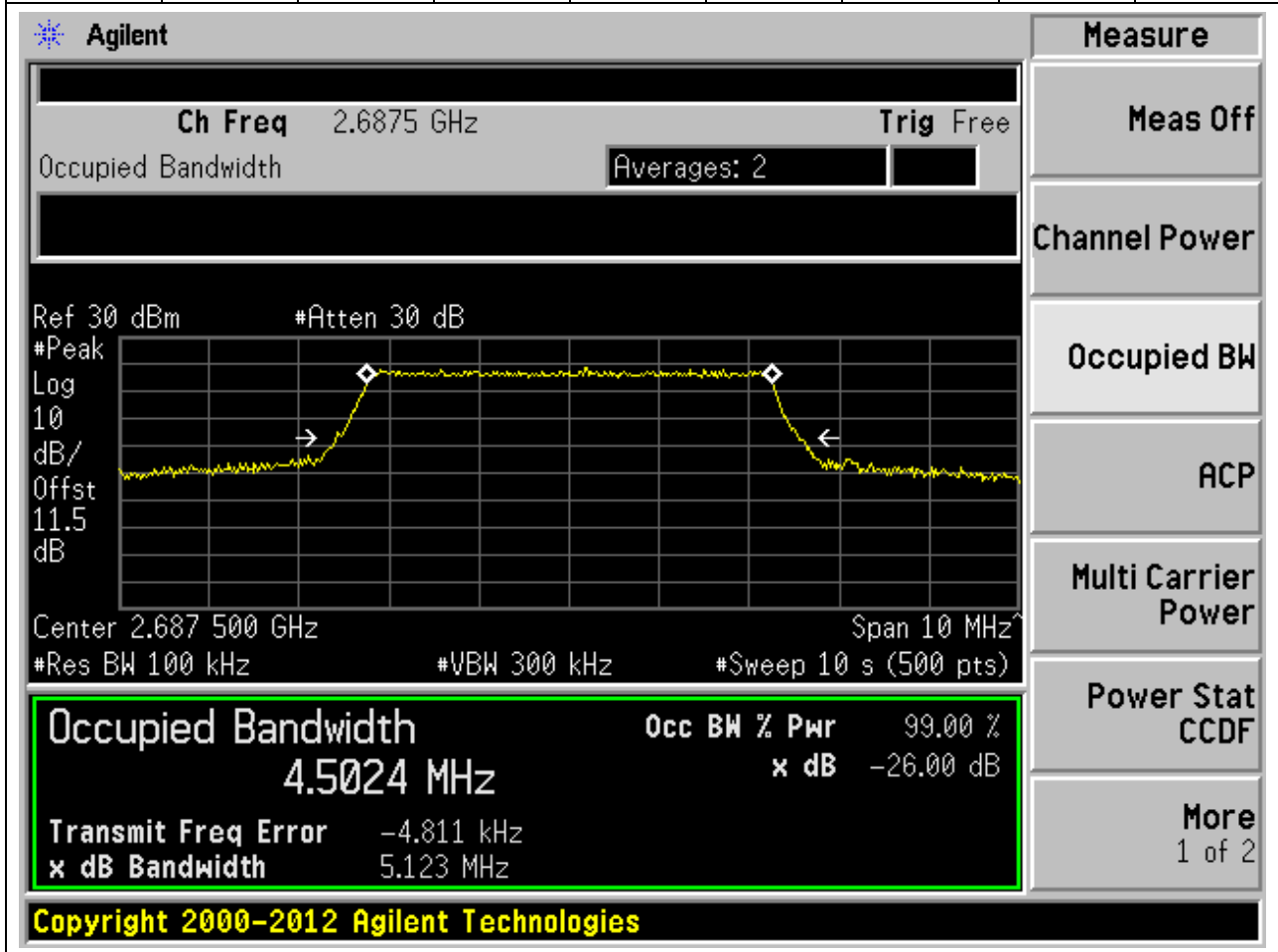
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.6875 GHz. The occupied bandwidth is measured as 4.5164 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 1.898 kHz, and the XdB bandwidth is 5.139 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5164 MHz	x dB	-26.00 dB
Transmit Freq Error	1.898 kHz	
x dB Bandwidth	5.139 MHz	

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**13.8. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41565, 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
2687.5	99	26	0.1	Peak	4.5	5.12	5	Pass



**13.9. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41565, 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
2687.5	99	26	0.1	Peak	4.51	5.15	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.6875 GHz. The occupied bandwidth is highlighted in a green box with the following data:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>4.5097 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.579 kHz
<b>x dB Bandwidth</b>		5.149 MHz

Additional parameters shown in the interface include: Ch Freq 2.6875 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 11.5 dB, Center 2.687500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 10 s (500 pts).

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**13.10. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39700, 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
2501	99	26	0.2	Peak	9	10.12	10	Pass

**Agilent**

Ch Freq 2.501 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.501 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9986 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		4.704 kHz
<b>x dB Bandwidth</b>		10.119 MHz

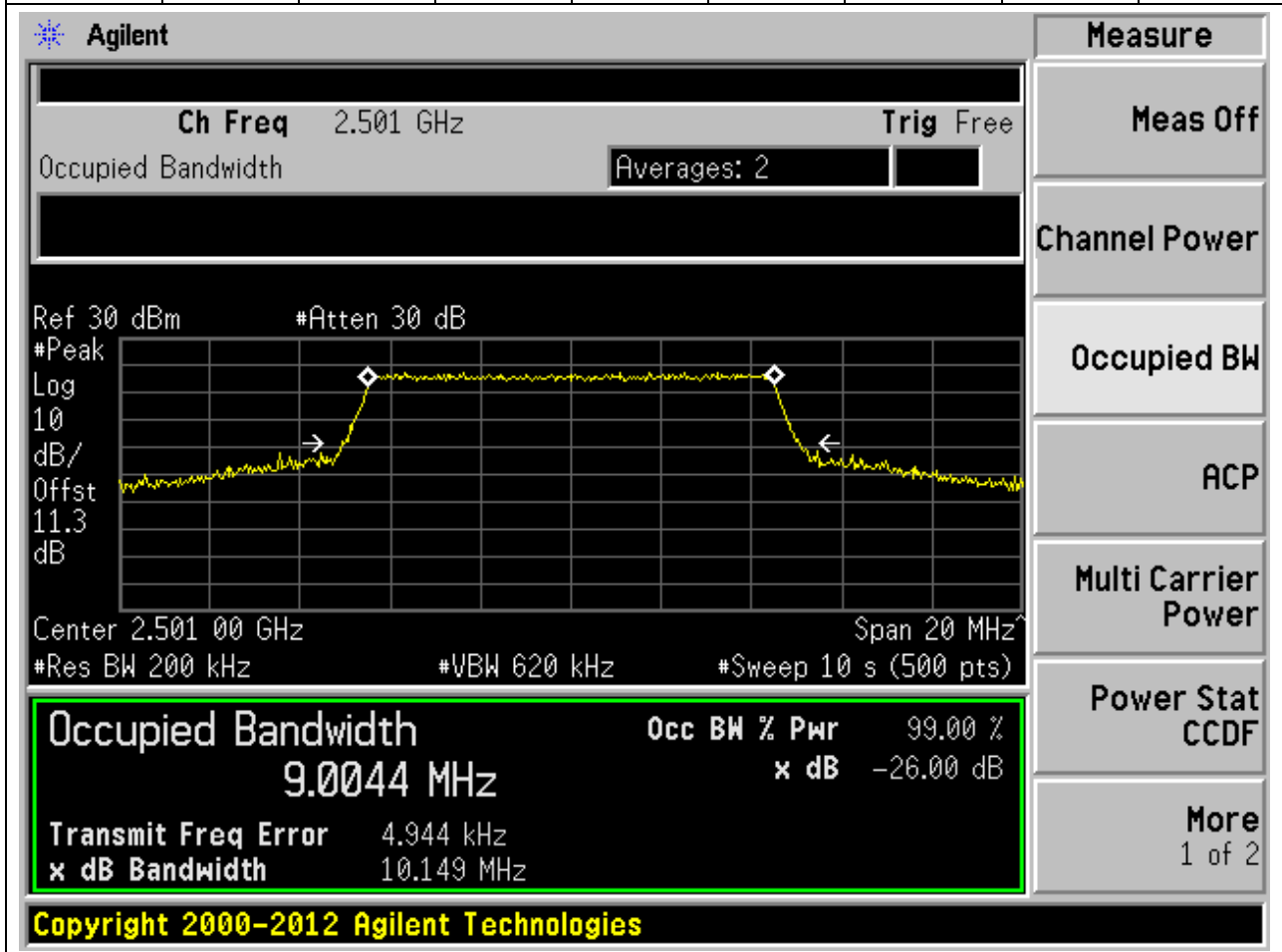
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**Measure**

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

**13.11. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39700, 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
2501	99	26	0.2	Peak	9	10.15	10	Pass



**13.12. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39700, 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
2501	99	26	0.2	Peak	9	10.13	10	Pass

**Agilent**

Ch Freq 2.501 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.501 00 GHz Span 20 MHz

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

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
**8.9979 MHz** x dB -26.00 dB

Transmit Freq Error -3.805 kHz  
 x dB Bandwidth 10.126 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2



**13.13. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.2	Peak	9	10.11	10	Pass

**Agilent**

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.593 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.0026 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-2.122 kHz
<b>x dB Bandwidth</b>		10.107 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**13.14. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.2	Peak	9.02	10.09	10	Pass

**Agilent**

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.593 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.0156 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-4.648 kHz
<b>x dB Bandwidth</b>		10.089 MHz

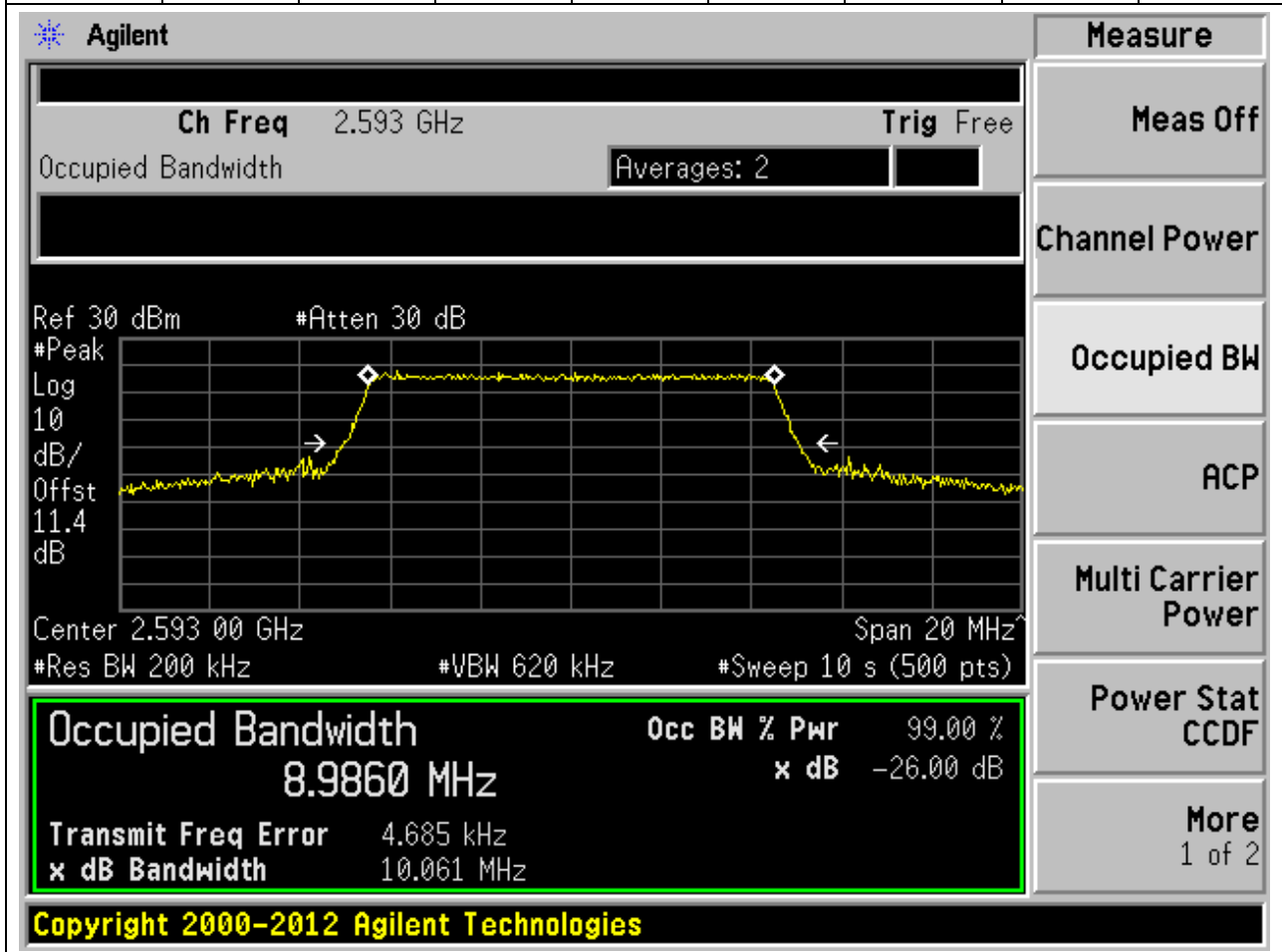
**Measure**

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

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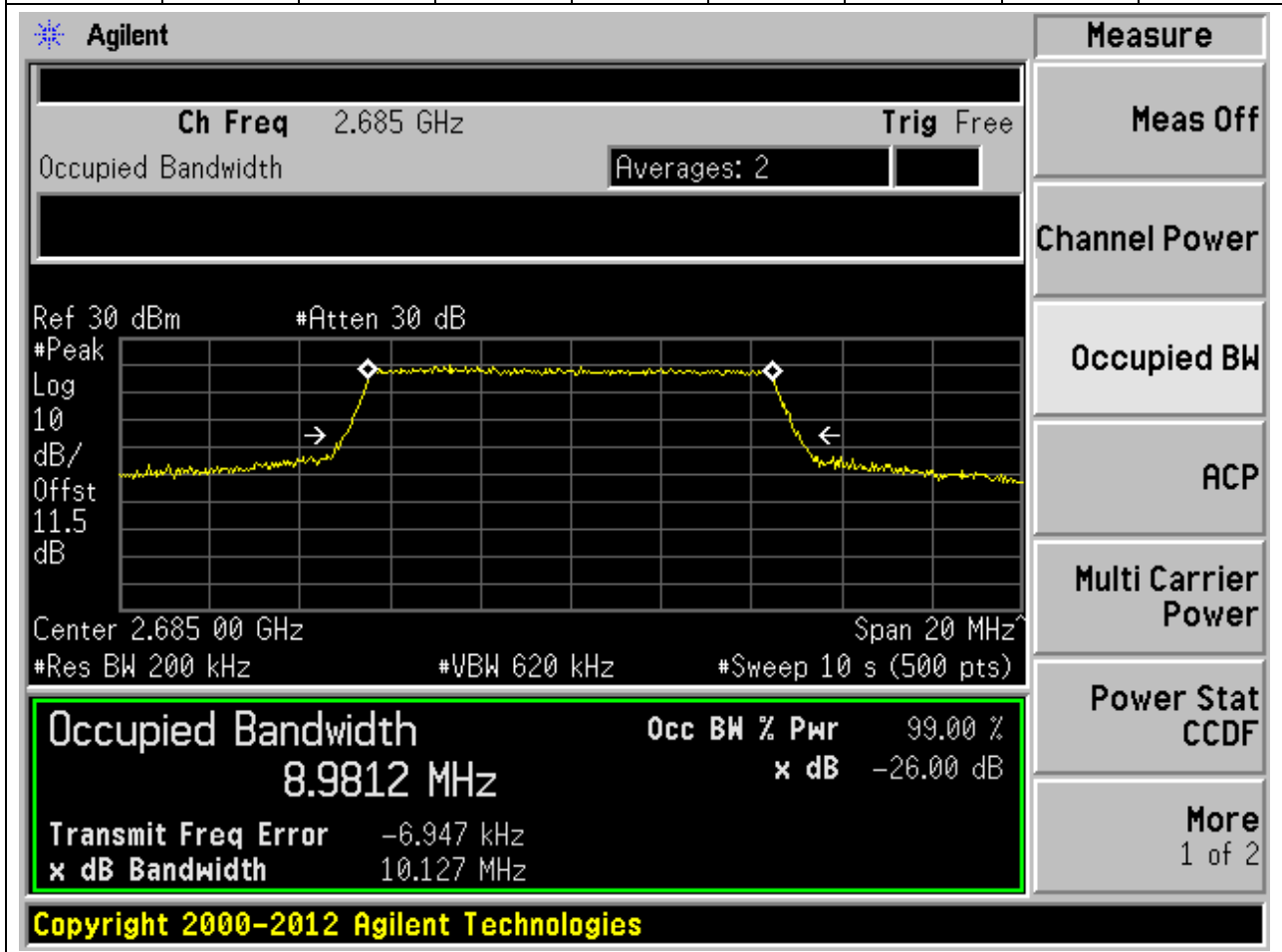
**13.15. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.99	10.06	10	Pass



**13.16. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41540, 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
2685	99	26	0.2	Peak	8.98	10.13	10	Pass



**13.17. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41540, 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
2685	99	26	0.2	Peak	9.01	10.1	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.685 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted in green, showing a value of 9.0089 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.0089 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.947 kHz	
x dB Bandwidth	10.103 MHz	

**13.18. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41540, 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
2685	99	26	0.2	Peak	9	10.07	10	Pass

**Agilent**

Ch Freq 2.685 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.685 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
8.9969 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-1.652 kHz
<b>x dB Bandwidth</b>		10.067 MHz

**Measures**

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

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**13.19. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39725, 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
2503.5	99	26	0.3	Peak	13.48	14.87	15	Pass

**Agilent**

Ch Freq 2.5035 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.50350 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4809 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-5.311 kHz
<b>x dB Bandwidth</b>		14.872 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**13.20. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39725, 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
2503.5	99	26	0.3	Peak	13.48	15.01	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.5035 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.503 50 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4773 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -10.274 kHz	
<b>x dB Bandwidth</b> 15.009 MHz	

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**13.21. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39725, 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
2503.5	99	26	0.3	Peak	13.46	14.95	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.5035 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.50350 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4587 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 4.288 kHz	
<b>x dB Bandwidth</b> 14.947 MHz	

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**13.22. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.3	Peak	13.49	14.95	15	Pass

**Agilent**

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.593 00 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
13.4884 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	960.356 Hz	
<b>x dB Bandwidth</b>	14.951 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

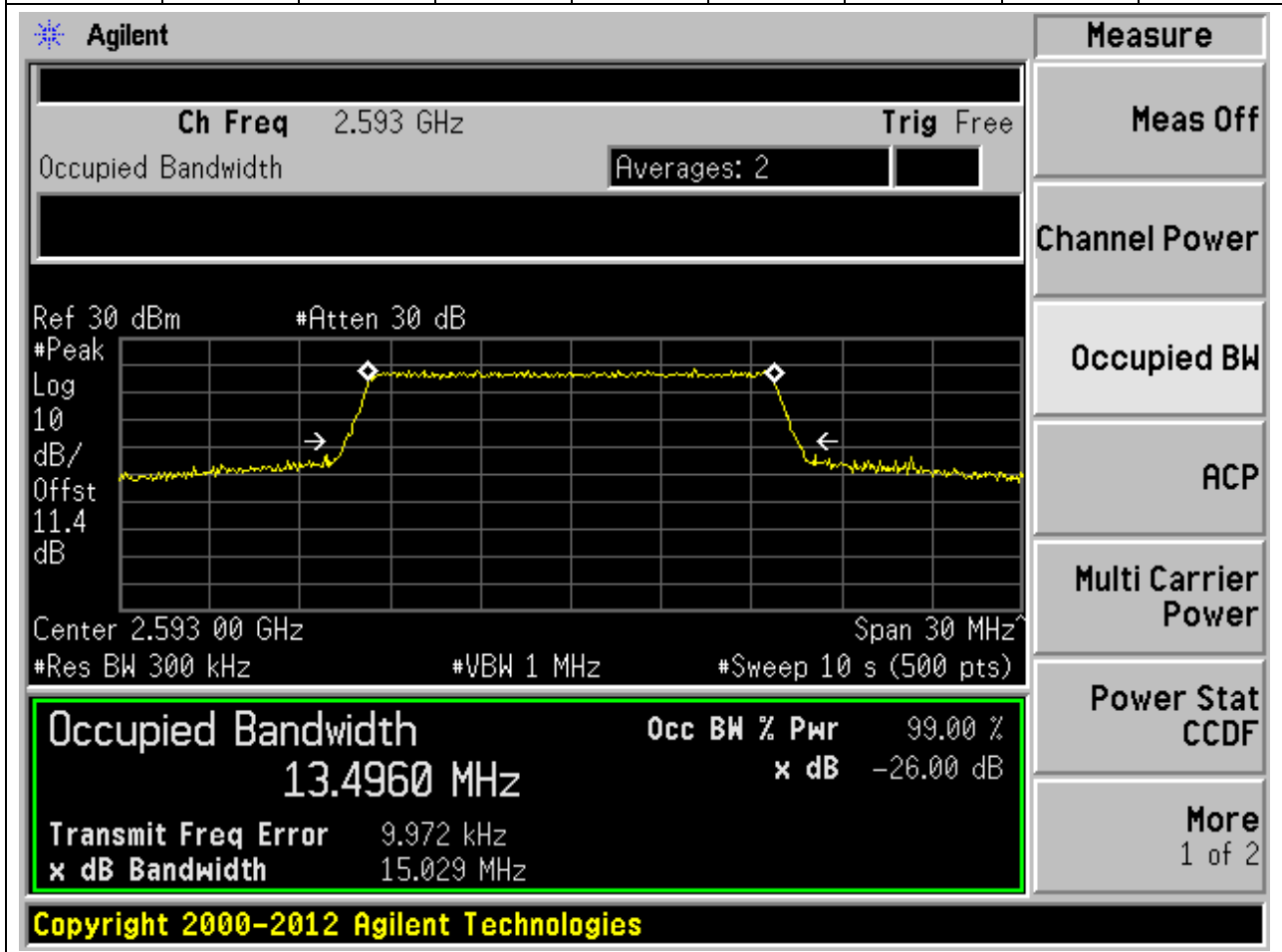
Multi Carrier Power

Power Stat CCDF

More 1 of 2

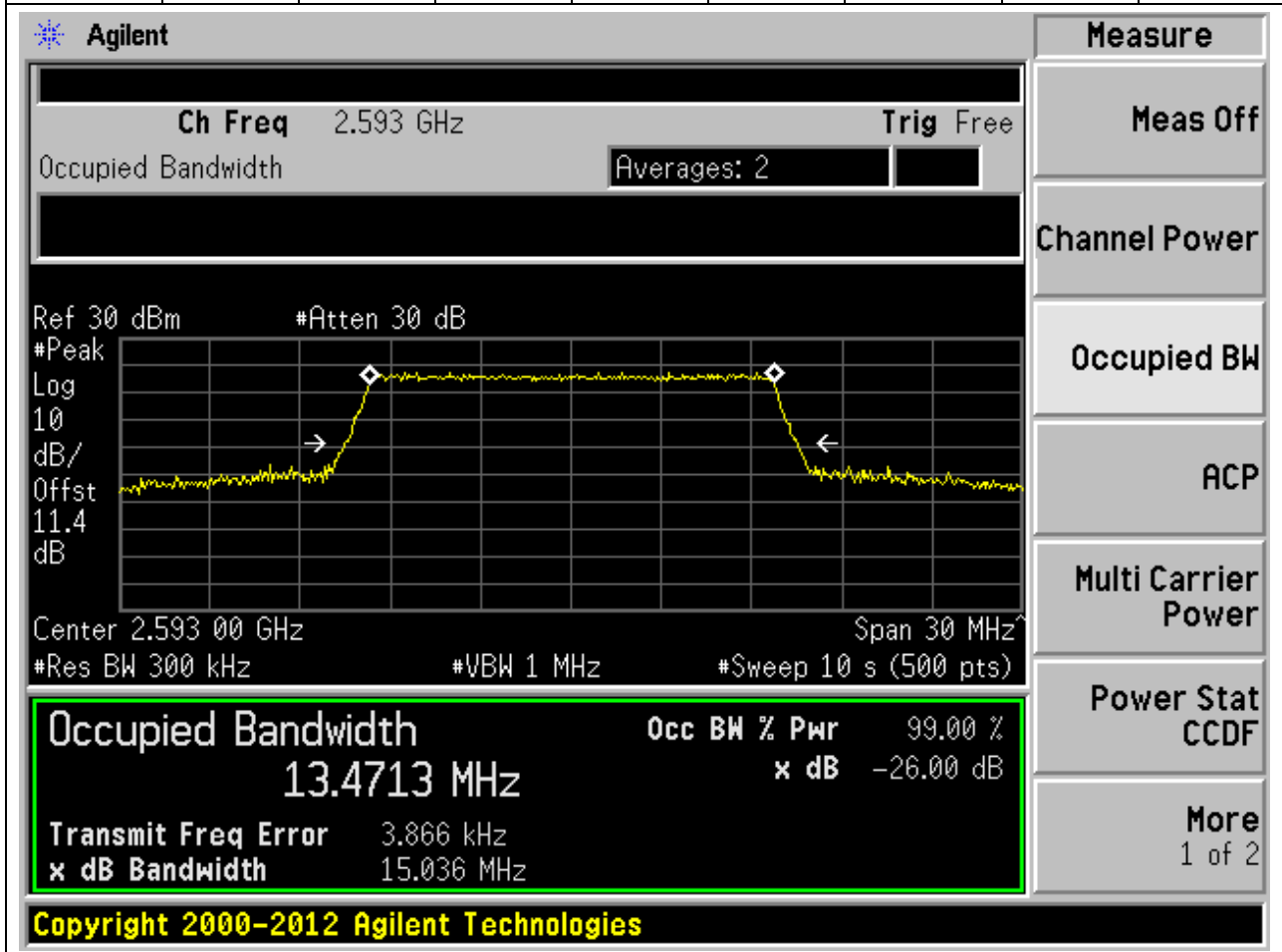
**13.23. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.5	15.03	15	Pass



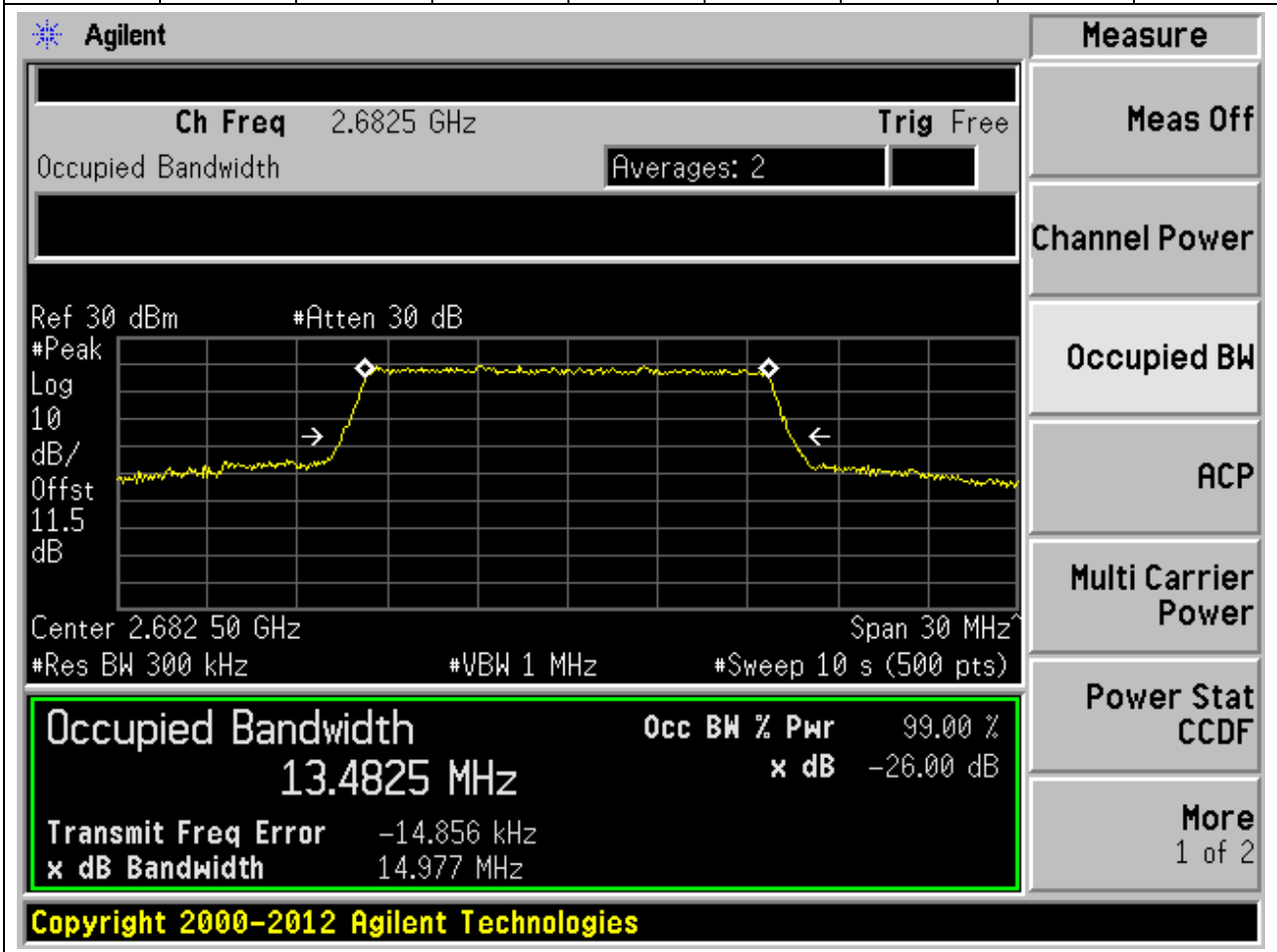
**13.24. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.47	15.04	15	Pass



**13.25. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41515, 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
2682.5	99	26	0.3	Peak	13.48	14.98	15	Pass



**13.26. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41515, 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
2682.5	99	26	0.3	Peak	13.49	15.07	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.6825 GHz **Trig** Free

Occupied Bandwidth Averages: 2

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.682 50 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
<b>13.4875 MHz</b>	<b>x dB</b> -26.00 dB
<b>Transmit Freq Error</b> -11.195 kHz	
<b>x dB Bandwidth</b> 15.075 MHz	

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**13.27. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41515, 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
2682.5	99	26	0.3	Peak	13.46	14.96	15	Pass

Agilent

Measure

Ch Freq 2.6825 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.682 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4600 MHz	x dB	-26.00 dB
Transmit Freq Error	-14.637 kHz	
x dB Bandwidth	14.963 MHz	

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

**13.28. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39750, 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
2506	99	26	0.39	Peak	17.96	19.88	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.506 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 11.3 dB', 'Center 2.506 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 10 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9614 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -15.127 kHz' and 'x dB Bandwidth 19.880 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.



**13.29. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39750, 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
2506	99	26	0.39	Peak	17.96	19.88	20	Pass

**Agilent**

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.506 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
17.9617 MHz	x dB	-26.00 dB
Transmit Freq Error		-479.611 Hz
x dB Bandwidth		19.878 MHz

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**Measure**

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

**13.30. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:39750, 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
2506	99	26	0.39	Peak	17.92	19.94	20	Pass

**Agilent**
Measure

**Ch Freq** 2.506 GHz **Trig** Free

Occupied Bandwidth Averages: 2

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.3 dB

Center 2.506 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
17.9206 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -7.604 kHz	
<b>x dB Bandwidth</b> 19.944 MHz	

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**13.31. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.39	Peak	17.98	19.86	20	Pass

**Agilent**

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.4 dB

Center 2.593 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
**17.9819 MHz** x dB -26.00 dB

Transmit Freq Error -2.499 kHz  
 x dB Bandwidth 19.860 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**13.32. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.39	Peak	17.94	19.83	20	Pass

**Agilent**
**Measure**

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

Occupied Bandwidth Averages: 2

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 40 MHz

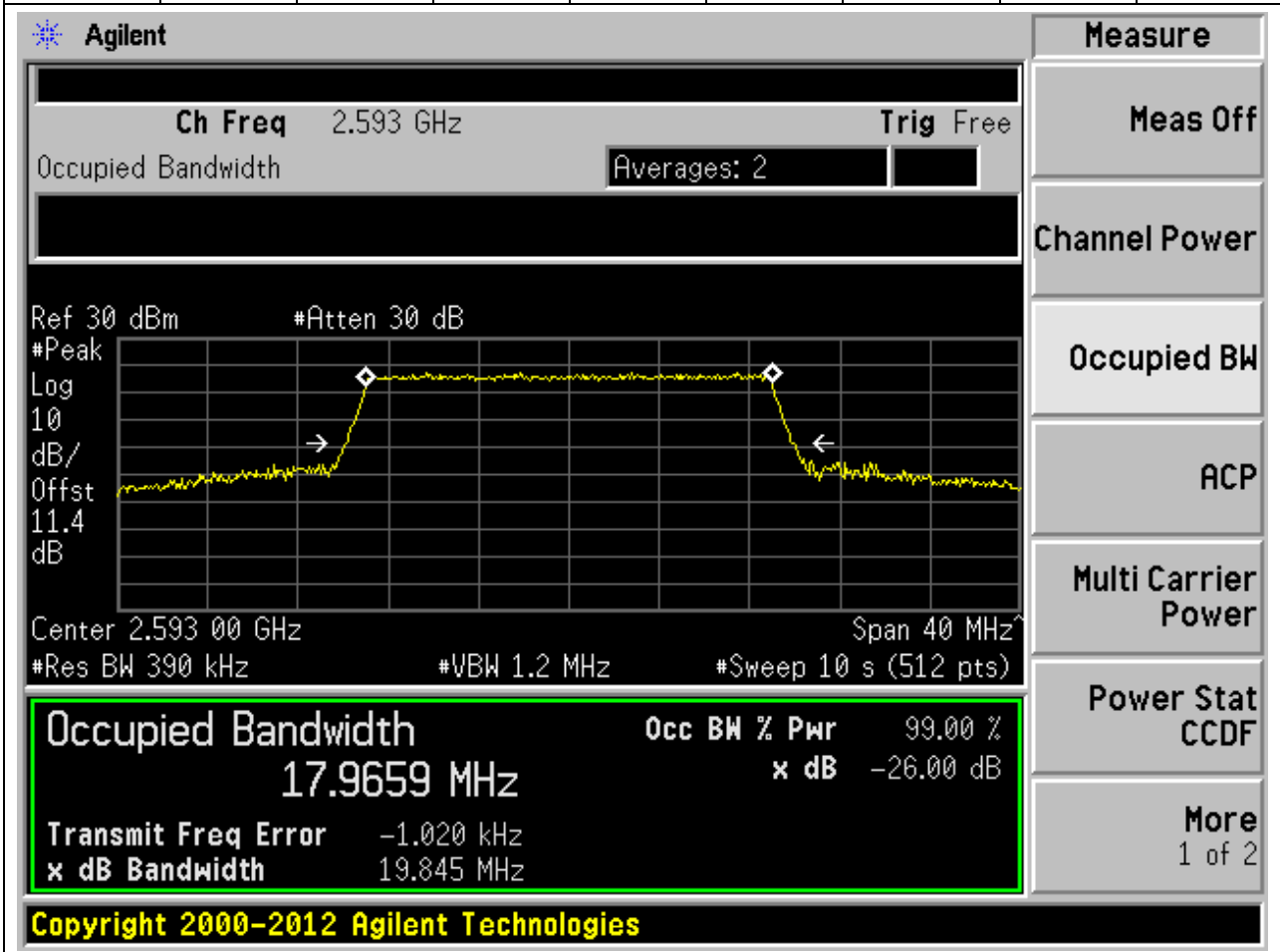
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
17.9407 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -4.804 kHz	
<b>x dB Bandwidth</b> 19.834 MHz	

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**13.33. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:40620, 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
2593	99	26	0.39	Peak	17.97	19.85	20	Pass



**13.34. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41490, 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
2680	99	26	0.39	Peak	17.95	19.82	20	Pass

**Agilent**

Ch Freq 2.68 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.680 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 10 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
17.9532 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-13.883 kHz
<b>x dB Bandwidth</b>		19.822 MHz

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**Measure**

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

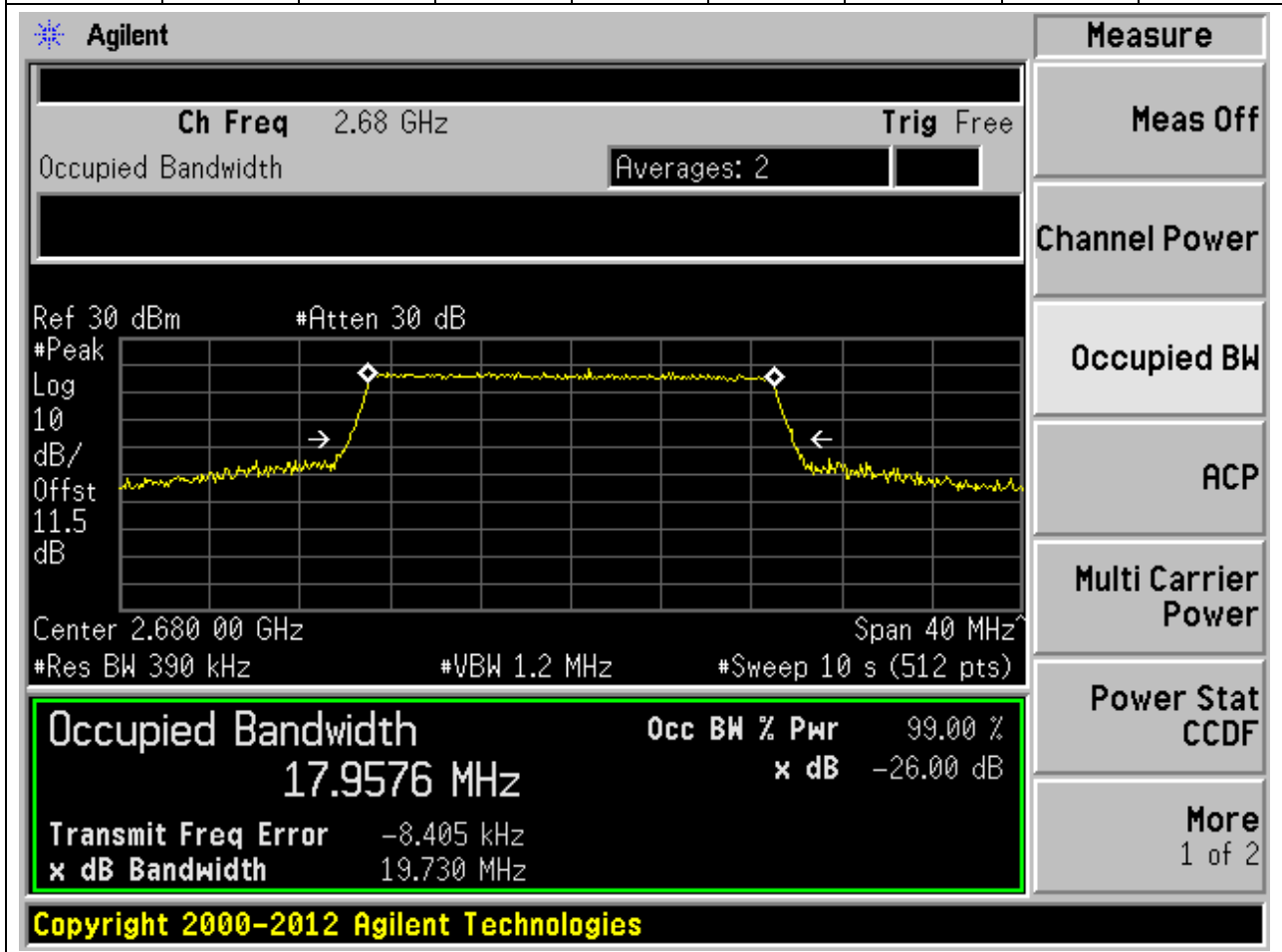
13.35. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41490, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.98	19.78	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.68 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 11.5 dB', 'Center 2.680 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 10 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9794 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error -27.239 kHz' and 'x dB Bandwidth 19.784 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

**13.36. LTE Occupied Bandwidth\_Part22-24-27(added 64QAM)(NTNV)(Channel:41490, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)**

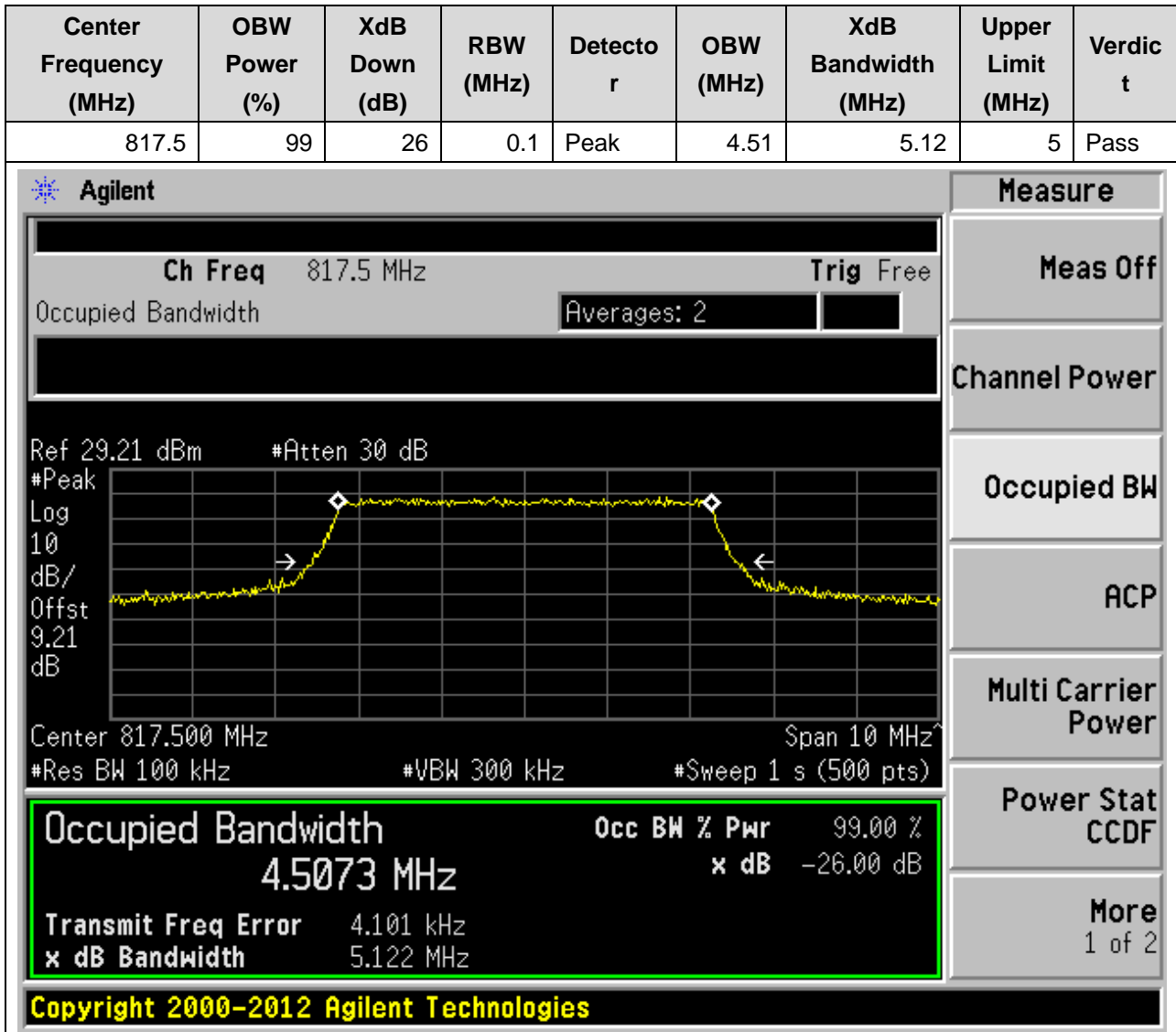
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.96	19.73	20	Pass





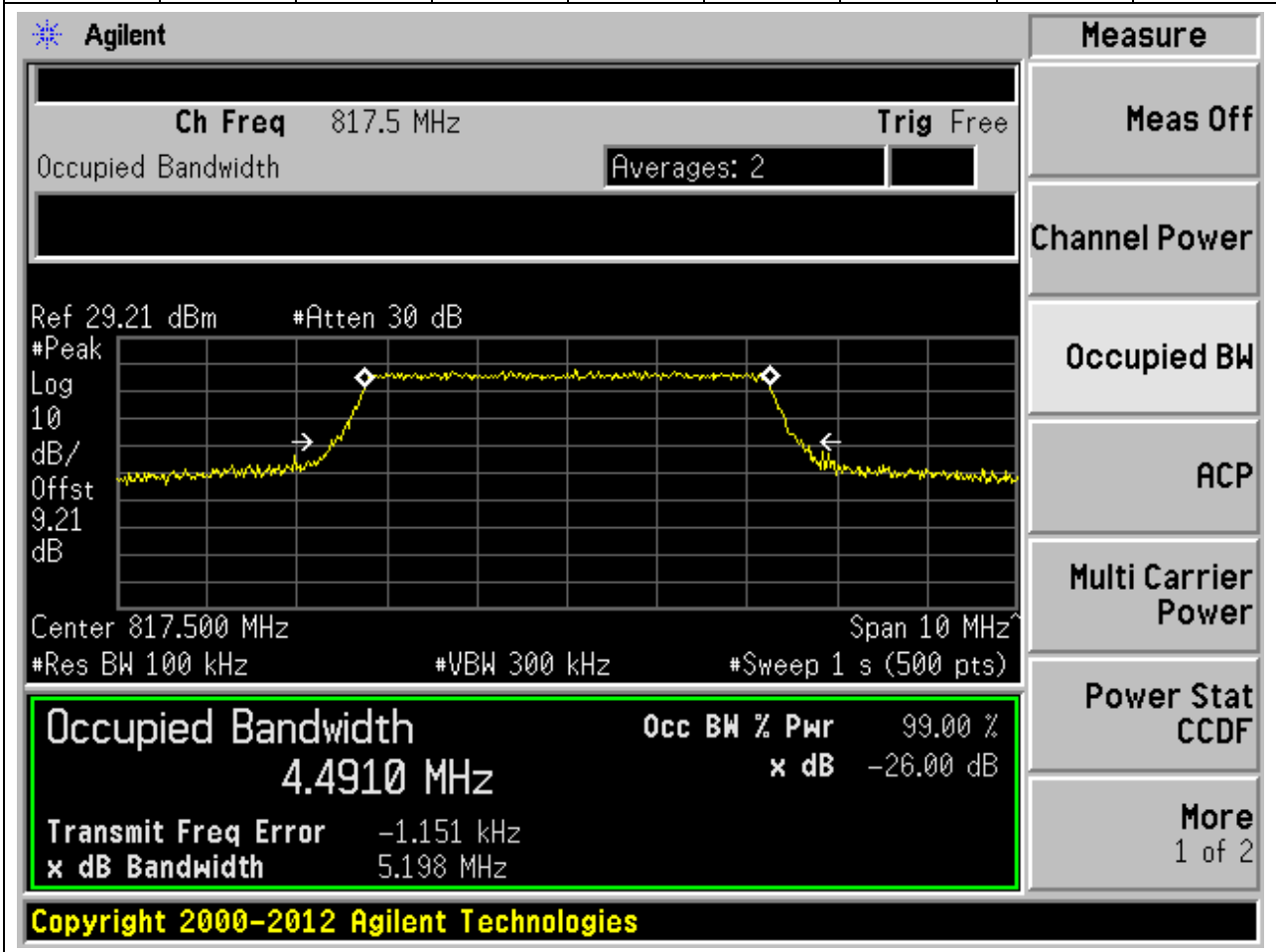
## 1. LTE\_Band18(part90)

### 1.1. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



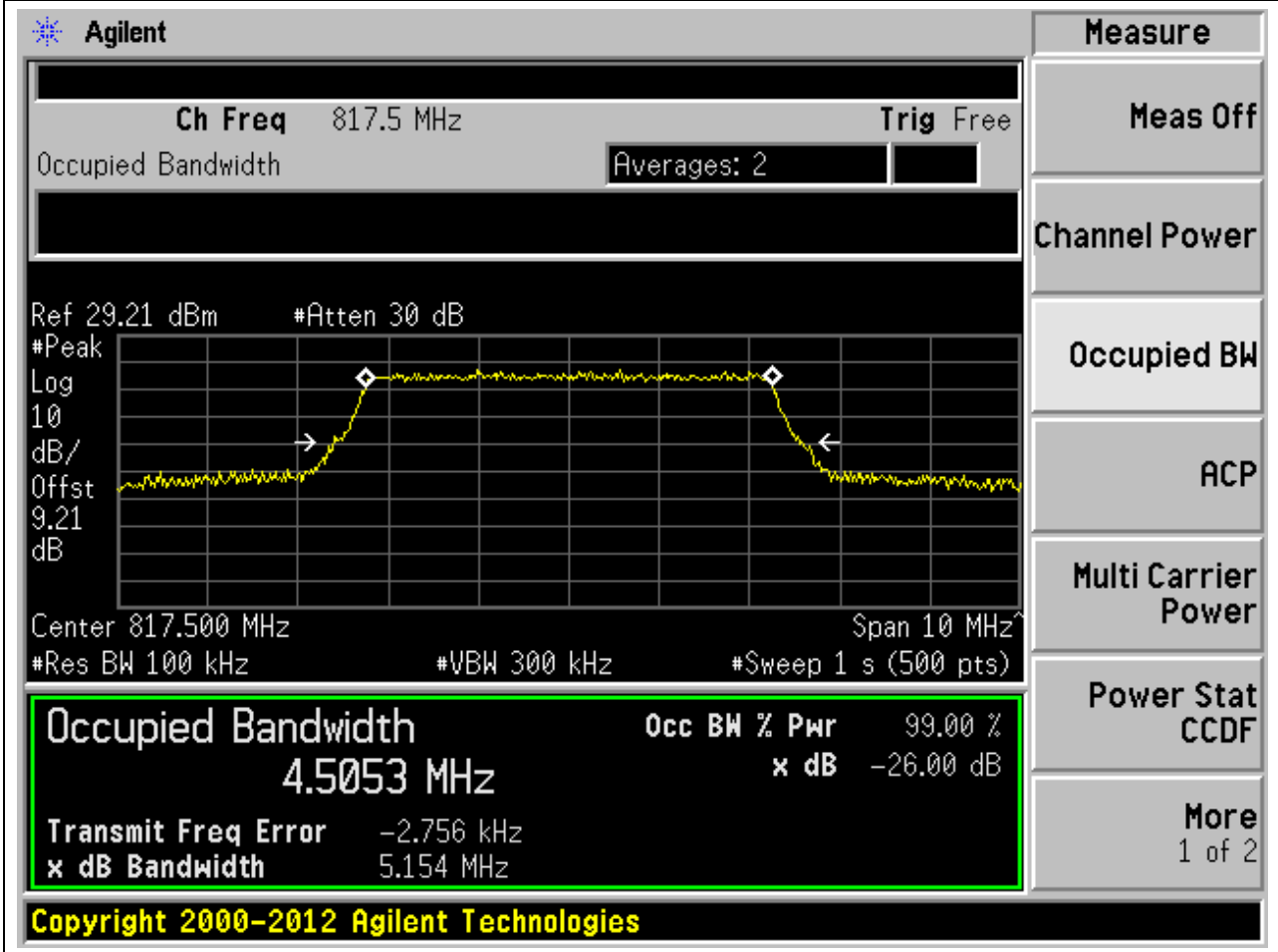
**1.2. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23875, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
817.5	99	26	0.1	Peak	4.49	5.2	5	Pass



**1.3. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23875, 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
817.5	99	26	0.1	Peak	4.51	5.15	5	Pass



**1.4. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

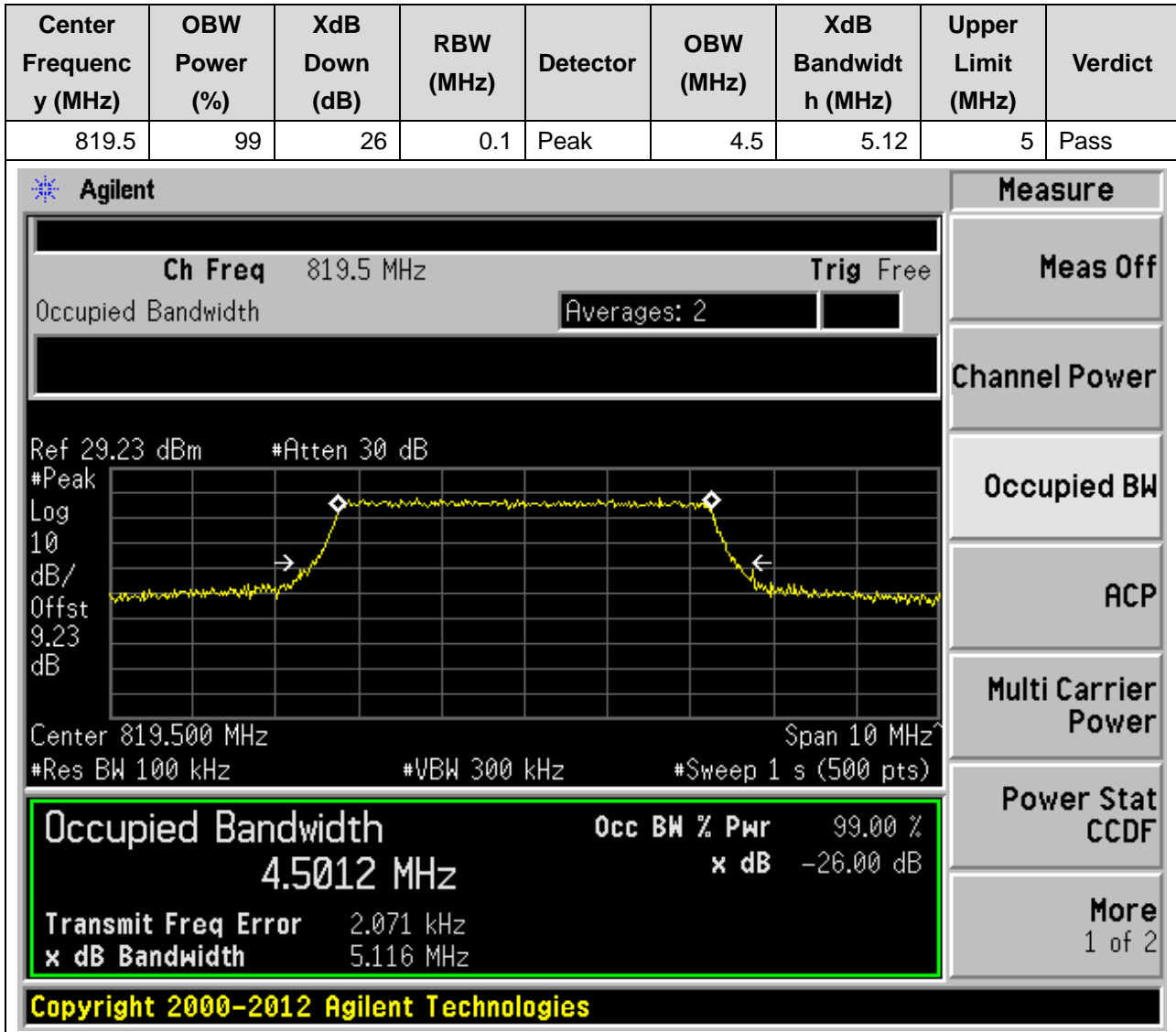
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819.5	99	26	0.1	Peak	4.51	5.2	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 819.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 s (500 pts). The occupied bandwidth is measured as 4.5098 MHz, with 99.00% of the power contained within this bandwidth. The XdB bandwidth is 5.204 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -4.911 kHz. The interface also shows various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5098 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.911 kHz	
x dB Bandwidth	5.204 MHz	

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1.5. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23895, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



**1.6. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23895, 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
819.5	99	26	0.1	Peak	4.49	5.17	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	4.4863 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-4.660 kHz
x dB Bandwidth	5.169 MHz

Other visible parameters include: Ch Freq 819.5 MHz, Trig Free, Averages: 2, Ref 29.23 dBm, #Atten 30 dB, Center 819.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 1 s (500 pts).

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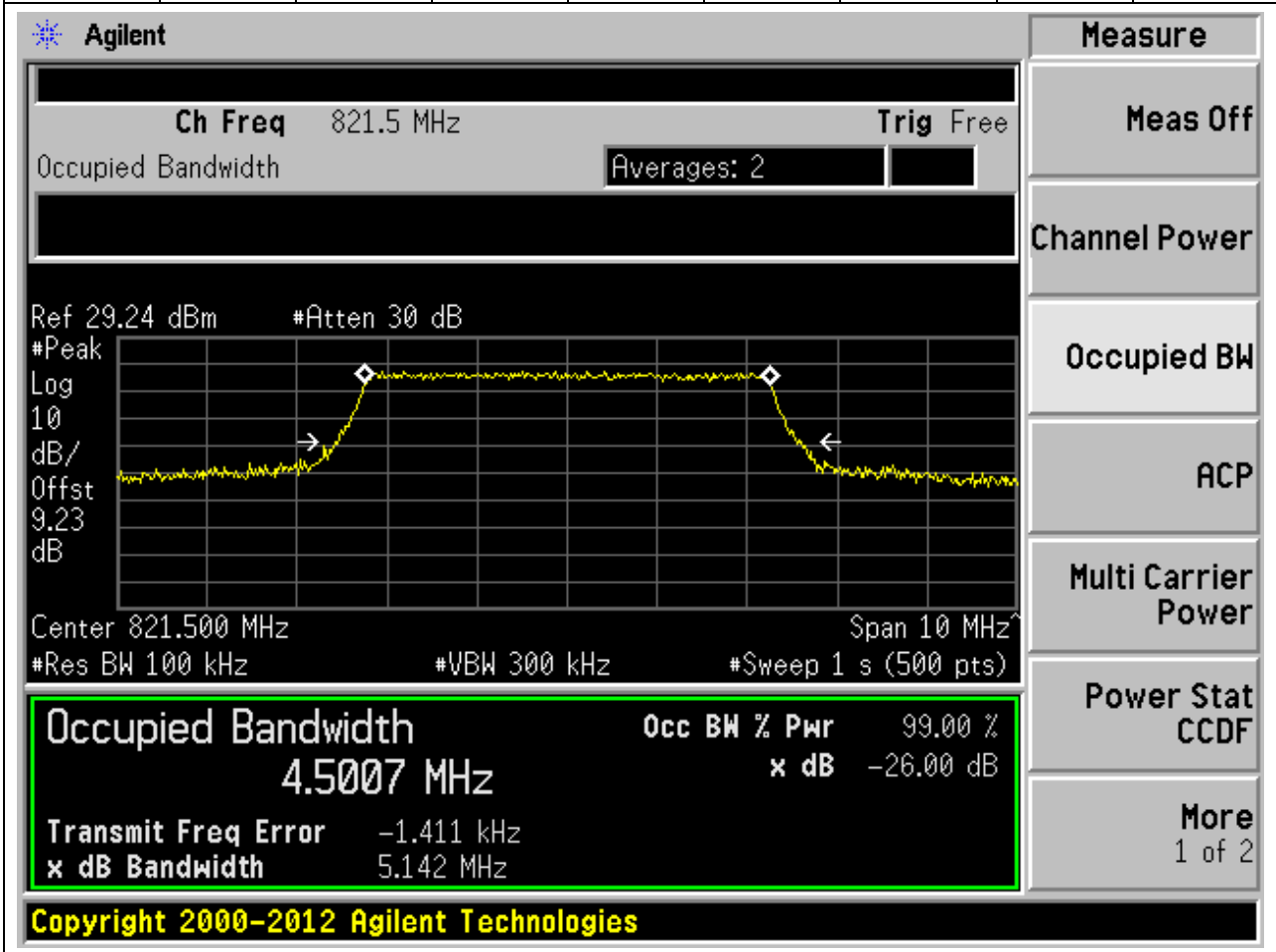
**1.7. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23915, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
821.5	99	26	0.1	Peak	4.5	5.2	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 821.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot has a grid and various parameters: 'Ref 29.24 dBm', '#Atten 30 dB', '#Peak Log 10 dB/Offst 9.23 dB', 'Center 821.500 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 4.5036 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -551.431 Hz', and 'x dB Bandwidth 5.202 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

**1.8. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23915, 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
821.5	99	26	0.1	Peak	4.5	5.14	5	Pass





**1.9. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:23915, 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
821.5	99	26	0.1	Peak	4.5	5.13	5	Pass

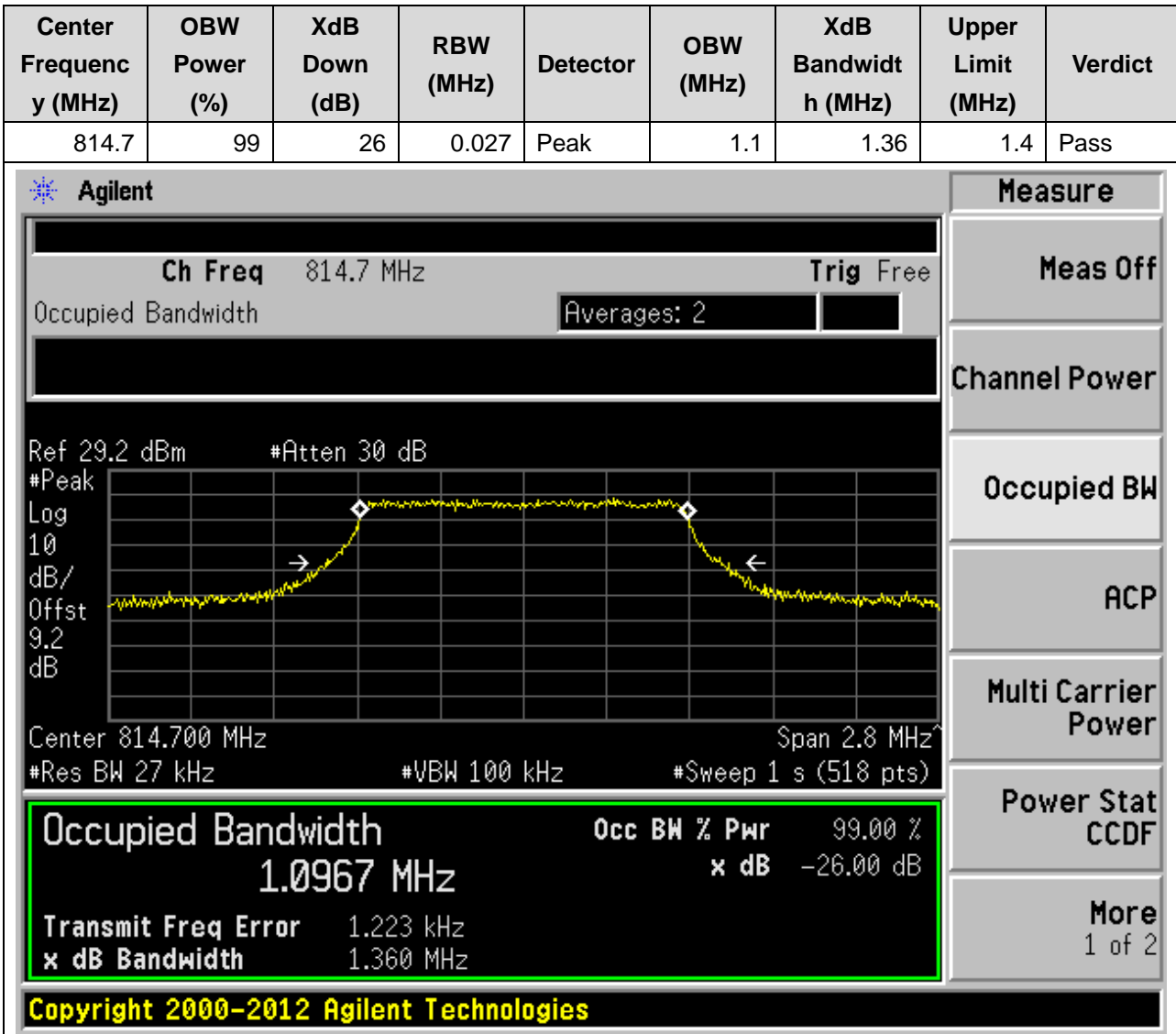
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 821.5 MHz. The occupied bandwidth is measured as 4.4991 MHz, which is 99.00% of the power. The XdB bandwidth is 5.134 MHz. The XdB down is -26.00 dB. The transmit frequency error is -4.584 kHz. 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 span is 10 MHz. The reference level is 29.24 dBm, and the attenuation is 30 dB. The log scale is 10 dB/offset, and the offset is 9.23 dB. The detector is set to Peak. The upper limit is 5 MHz. The verdict is Pass.

Occupied Bandwidth	Occ BW % Pwr	X dB
4.4991 MHz	99.00 %	-26.00 dB

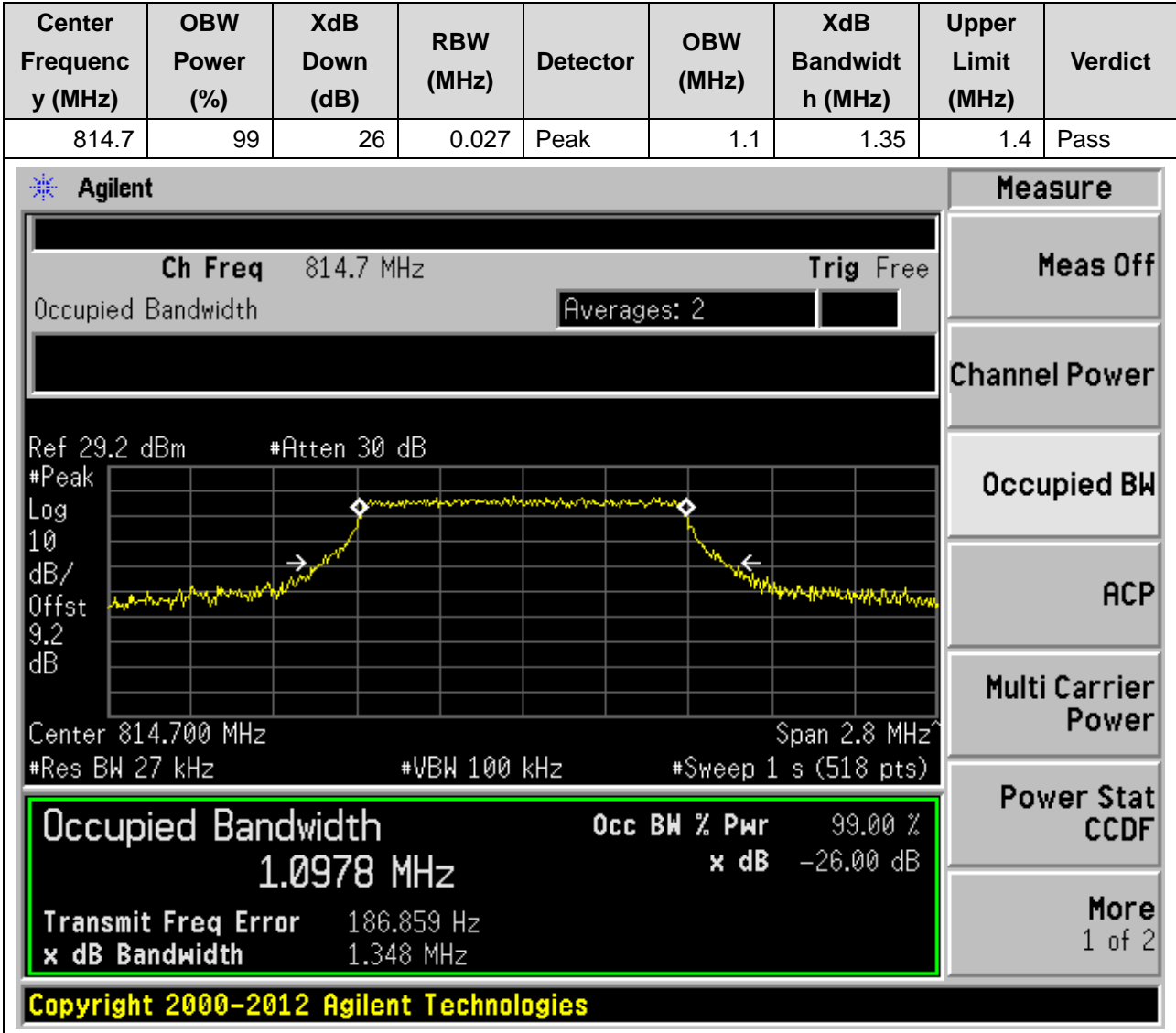
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## 2. LTE\_Band26(part90)

### 2.1. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



2.2. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)



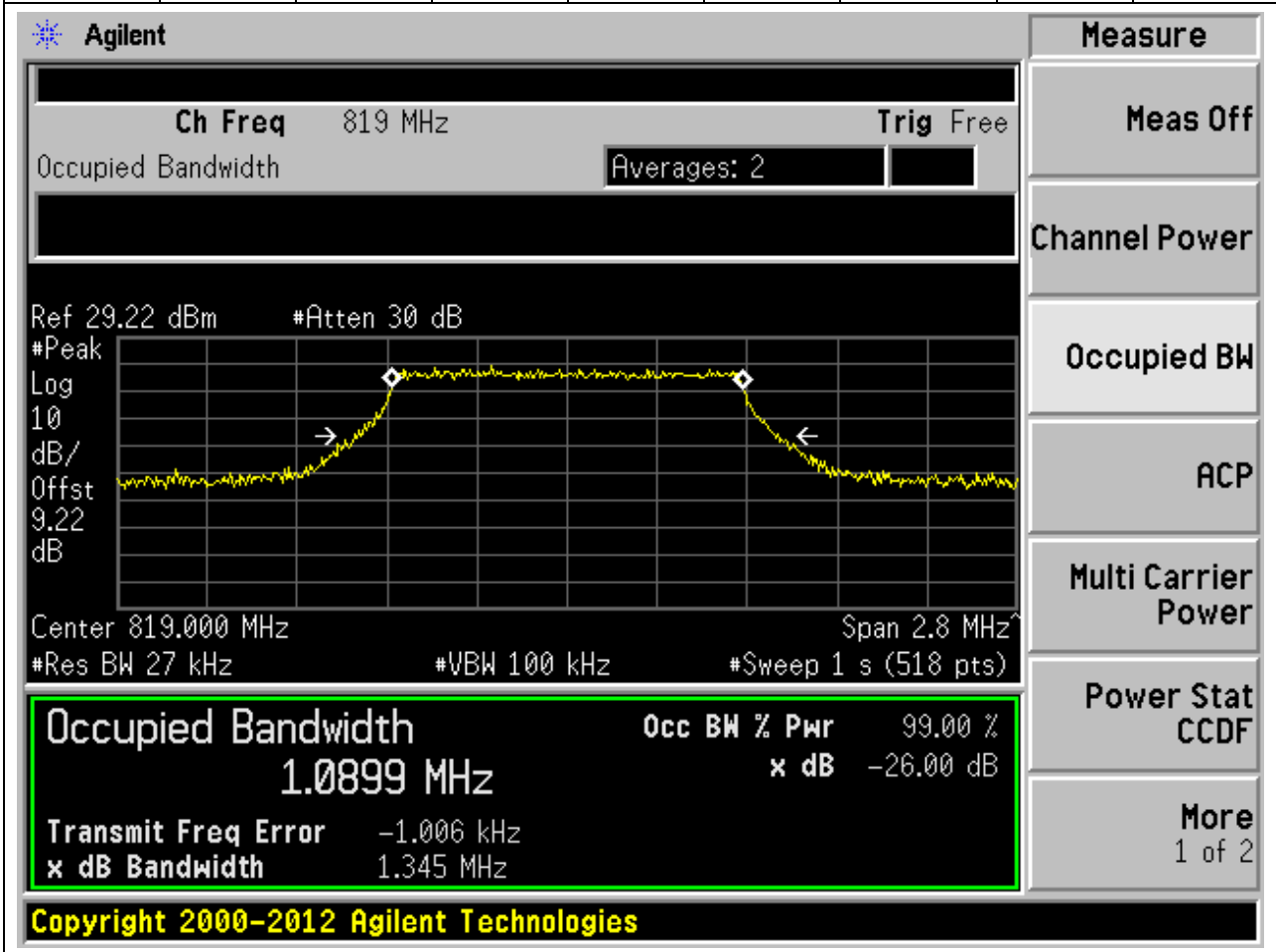
**2.3. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26697, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
814.7	99	26	0.027	Peak	1.09	1.36	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 814.7 MHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.2 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.2 dB', 'Center 814.700 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: 'Occupied Bandwidth 1.0913 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 887.158 Hz', and 'x dB Bandwidth 1.357 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, the copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible.

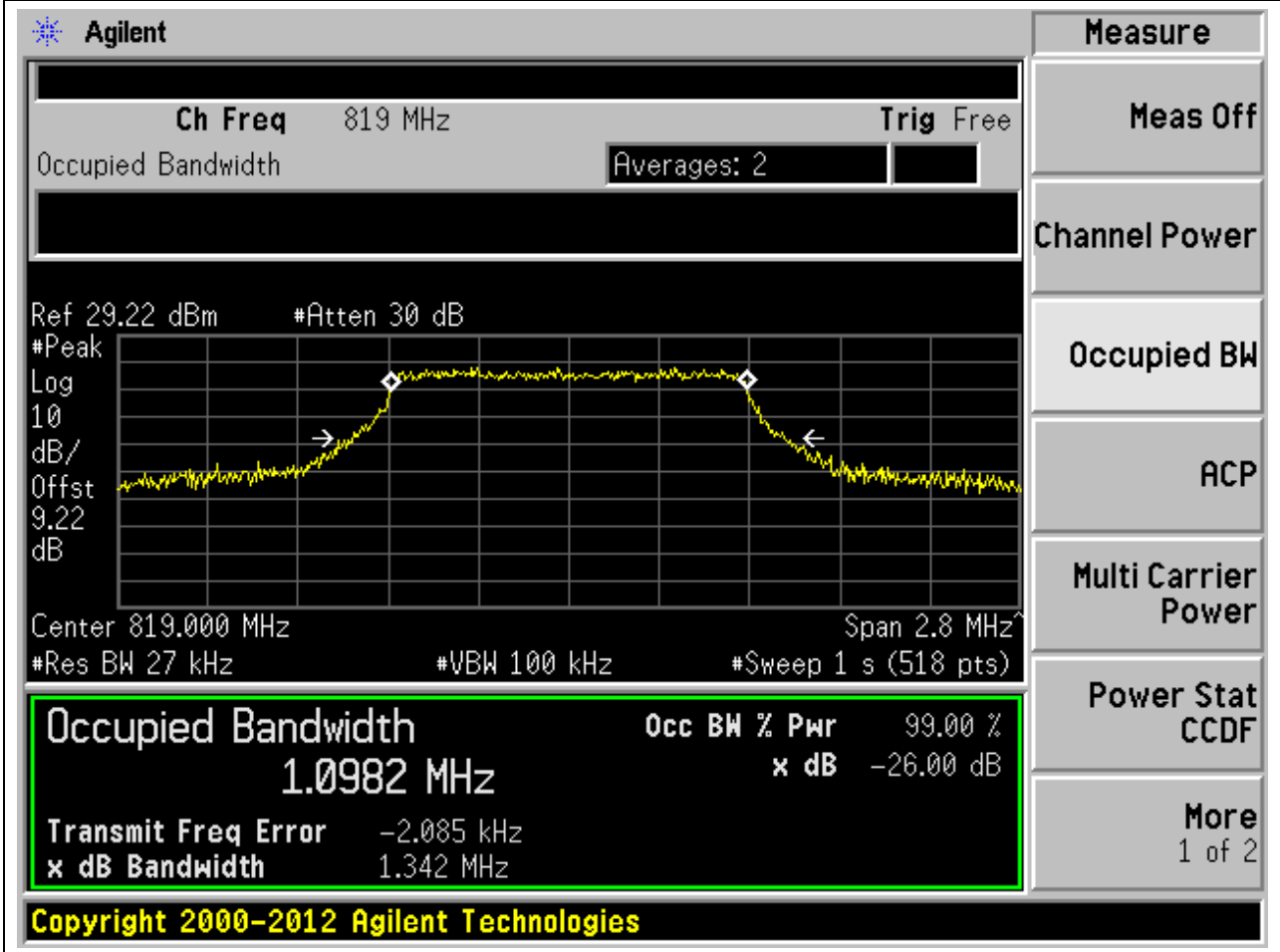
**2.4. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.09	1.35	1.4	Pass



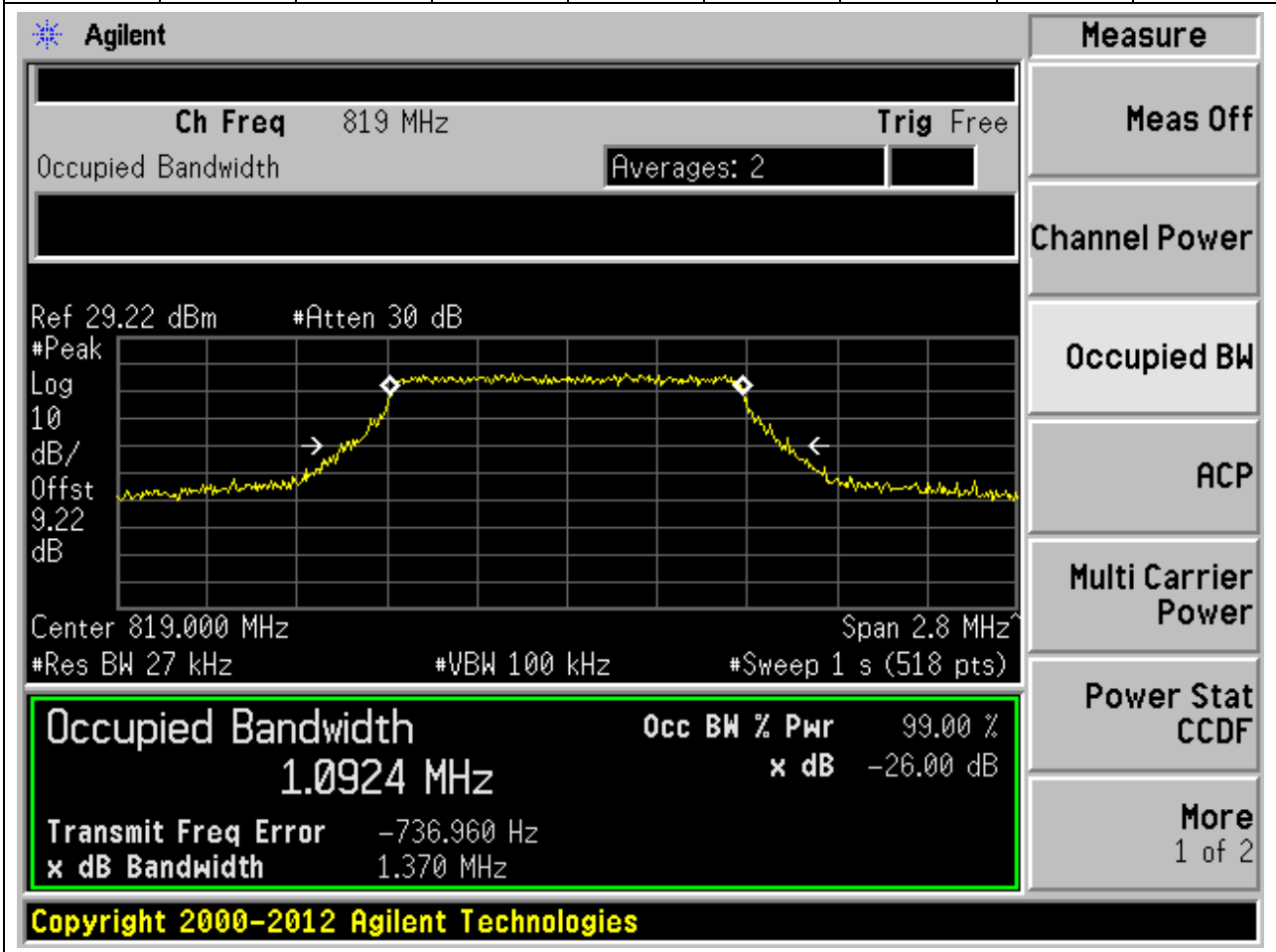
2.5. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.1	1.34	1.4	Pass



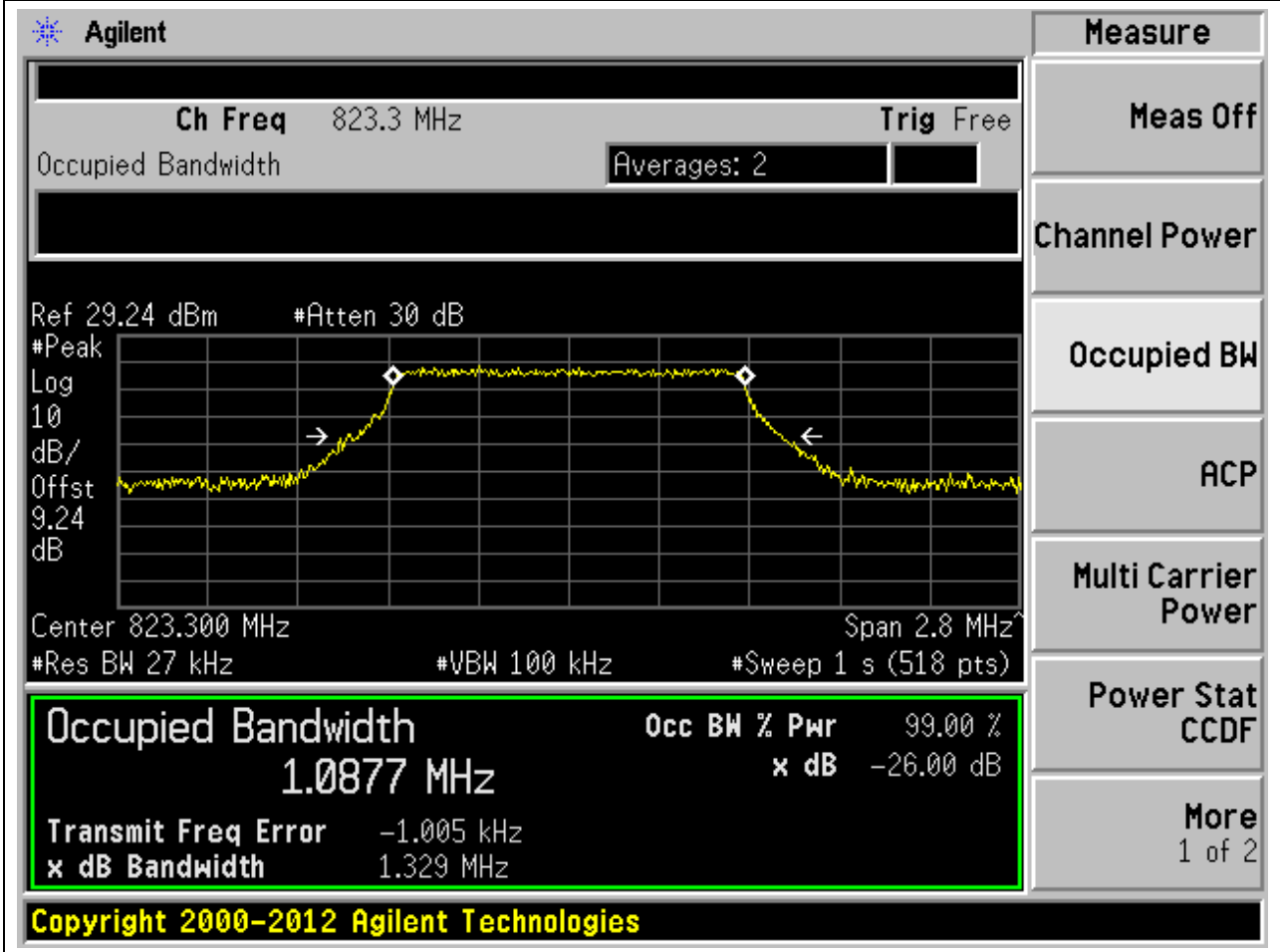
2.6. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.027	Peak	1.09	1.37	1.4	Pass



**2.7. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26783, 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
823.3	99	26	0.027	Peak	1.09	1.33	1.4	Pass





**2.8. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26783, 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
823.3	99	26	0.027	Peak	1.1	1.33	1.4	Pass

**Agilent** Measure

Ch Freq 823.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.24 dB

Center 823.300 MHz Span 2.8 MHz

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

**Occupied Bandwidth 1.0954 MHz**

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error -412.477 Hz  
x dB Bandwidth 1.331 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**2.9. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26783, 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
823.3	99	26	0.027	Peak	1.09	1.34	1.4	Pass

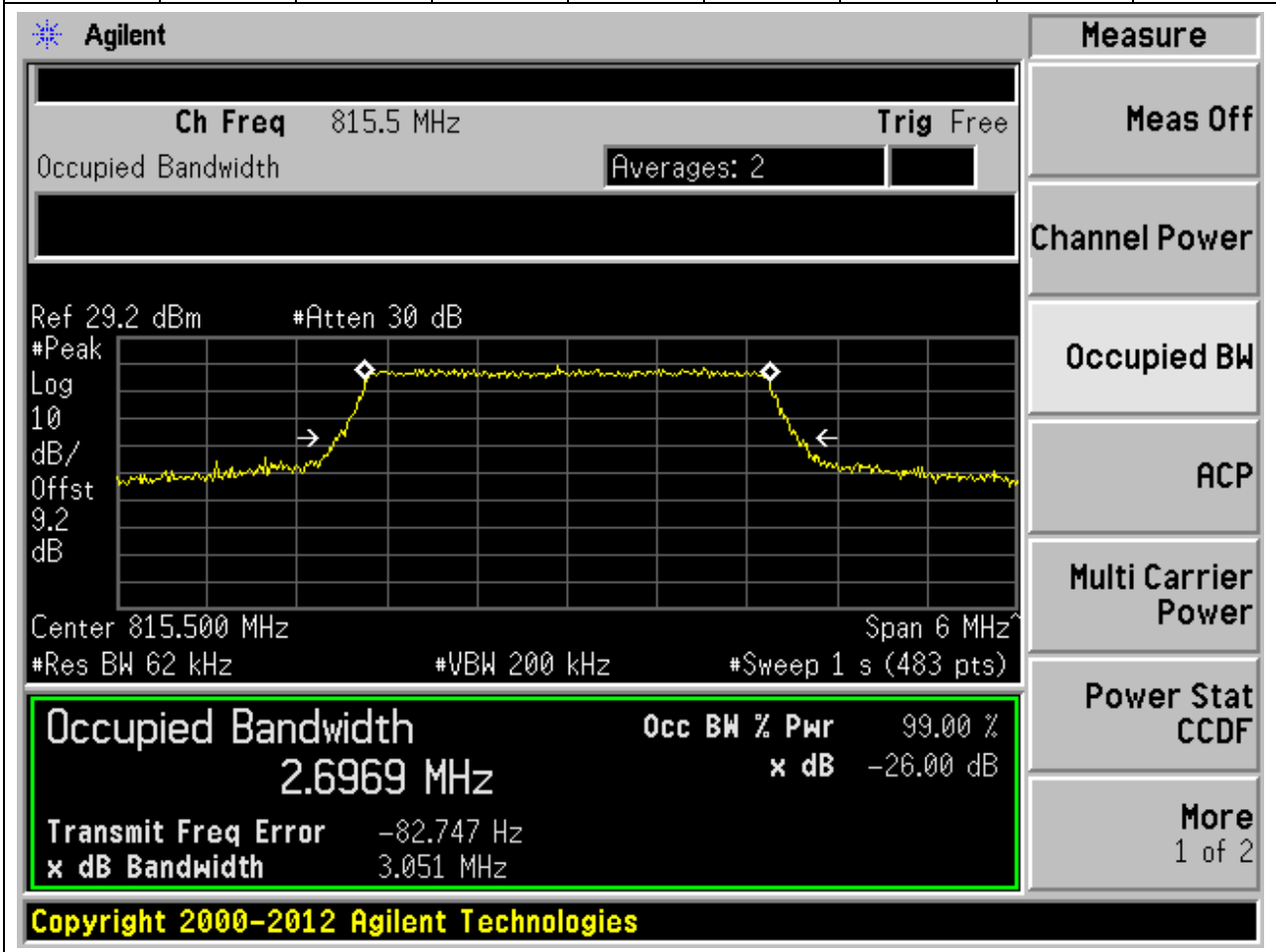
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 823.3 MHz. The occupied bandwidth is measured as 1.0930 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The plot shows a flat top with a slight roll-off at the edges, indicated by arrows. The measurement parameters include a resolution bandwidth of 27 kHz, a video bandwidth of 100 kHz, and a sweep time of 1 s (518 pts). The reference level is 29.24 dBm and the attenuation is 30 dB. The log scale is set to 10 dB/offset. The XdB bandwidth is 1.336 MHz. The occupied bandwidth is 1.0930 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is 1.221 kHz. The XdB bandwidth is 1.336 MHz.

Occupied Bandwidth	Occ BW % Pwr	x dB
1.0930 MHz	99.00 %	-26.00 dB

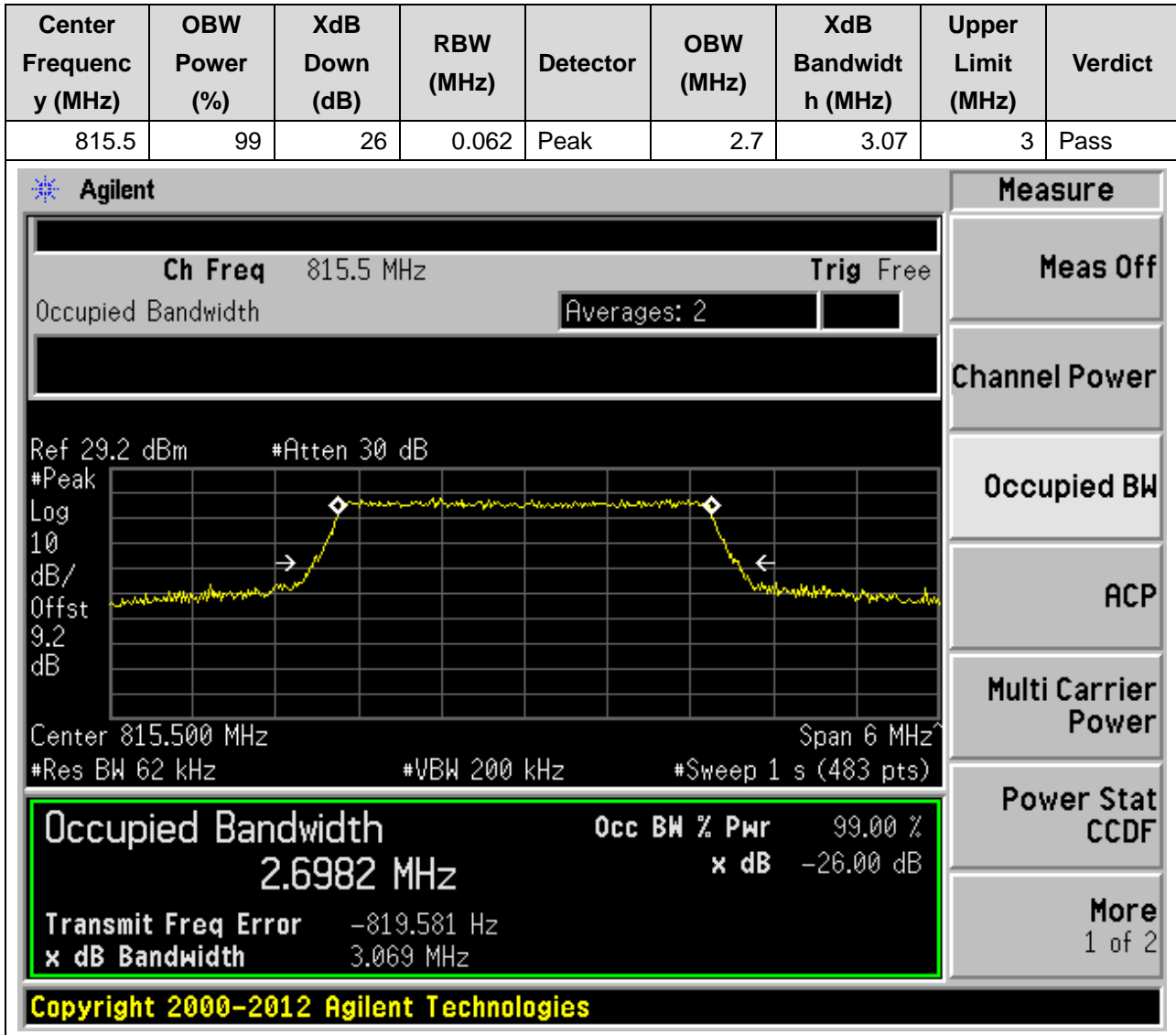
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**2.10. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

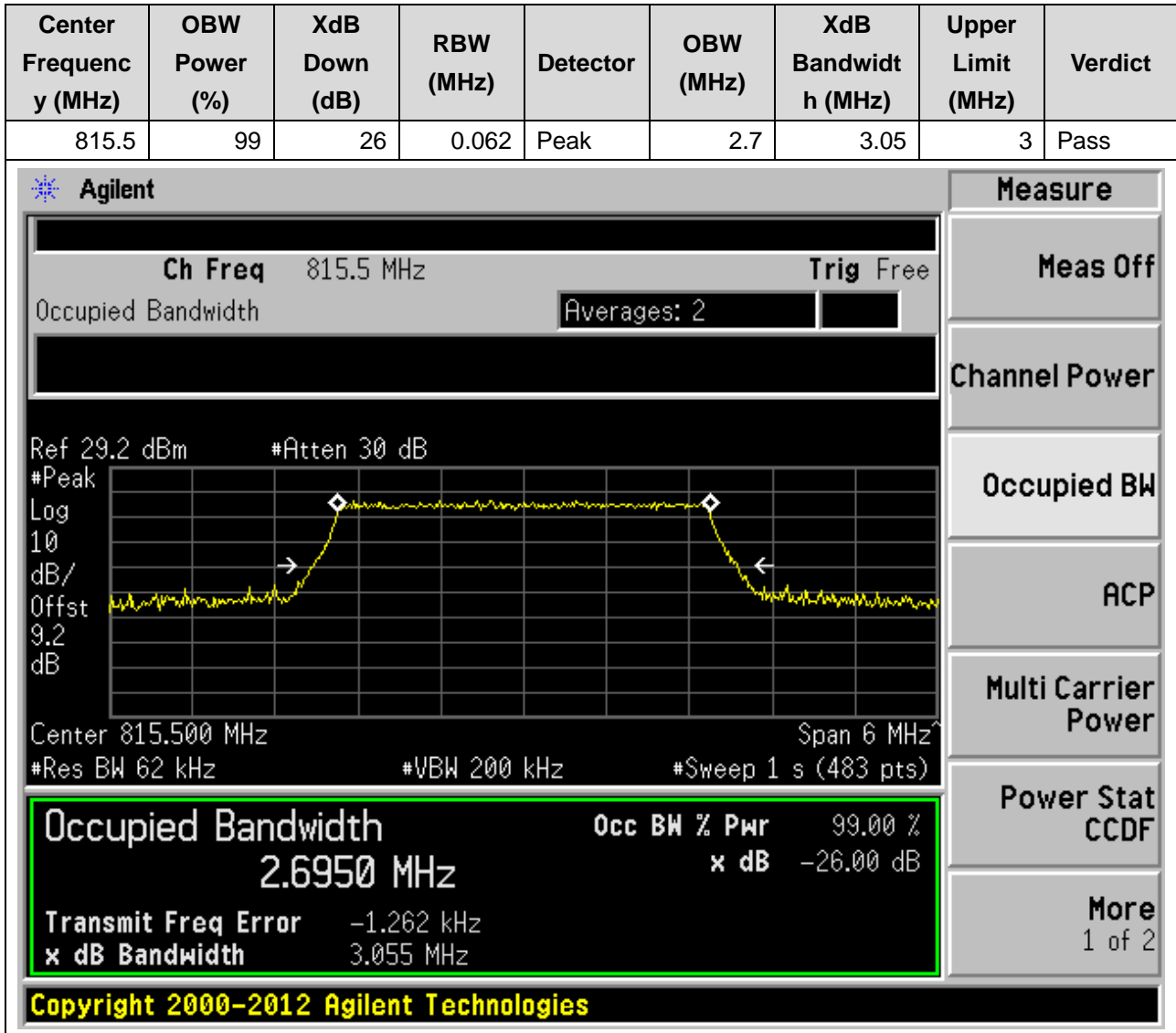
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
815.5	99	26	0.062	Peak	2.7	3.05	3	Pass



2.11. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)



**2.12. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26705, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)**



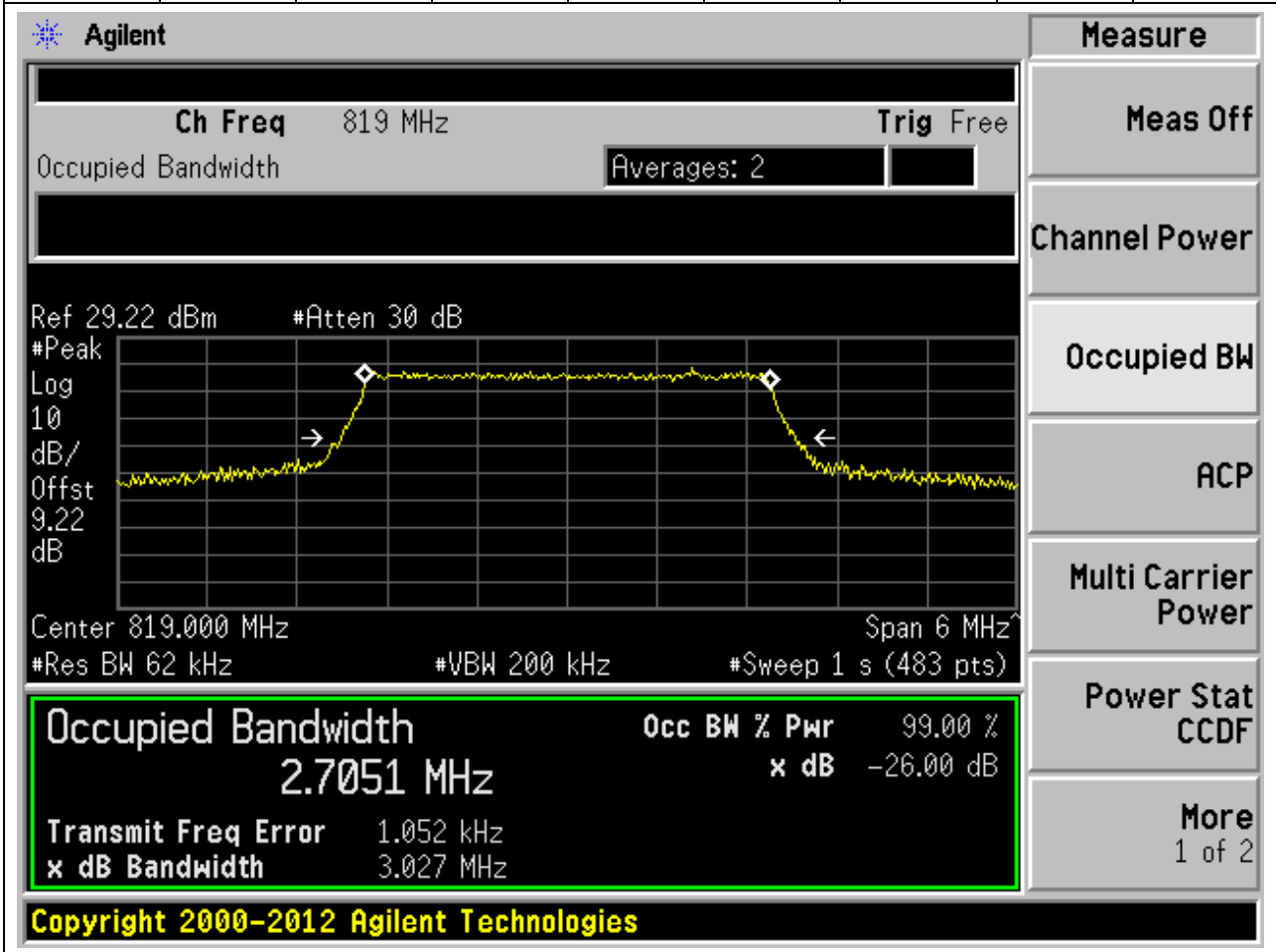
**2.13. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.71	3.06	3	Pass

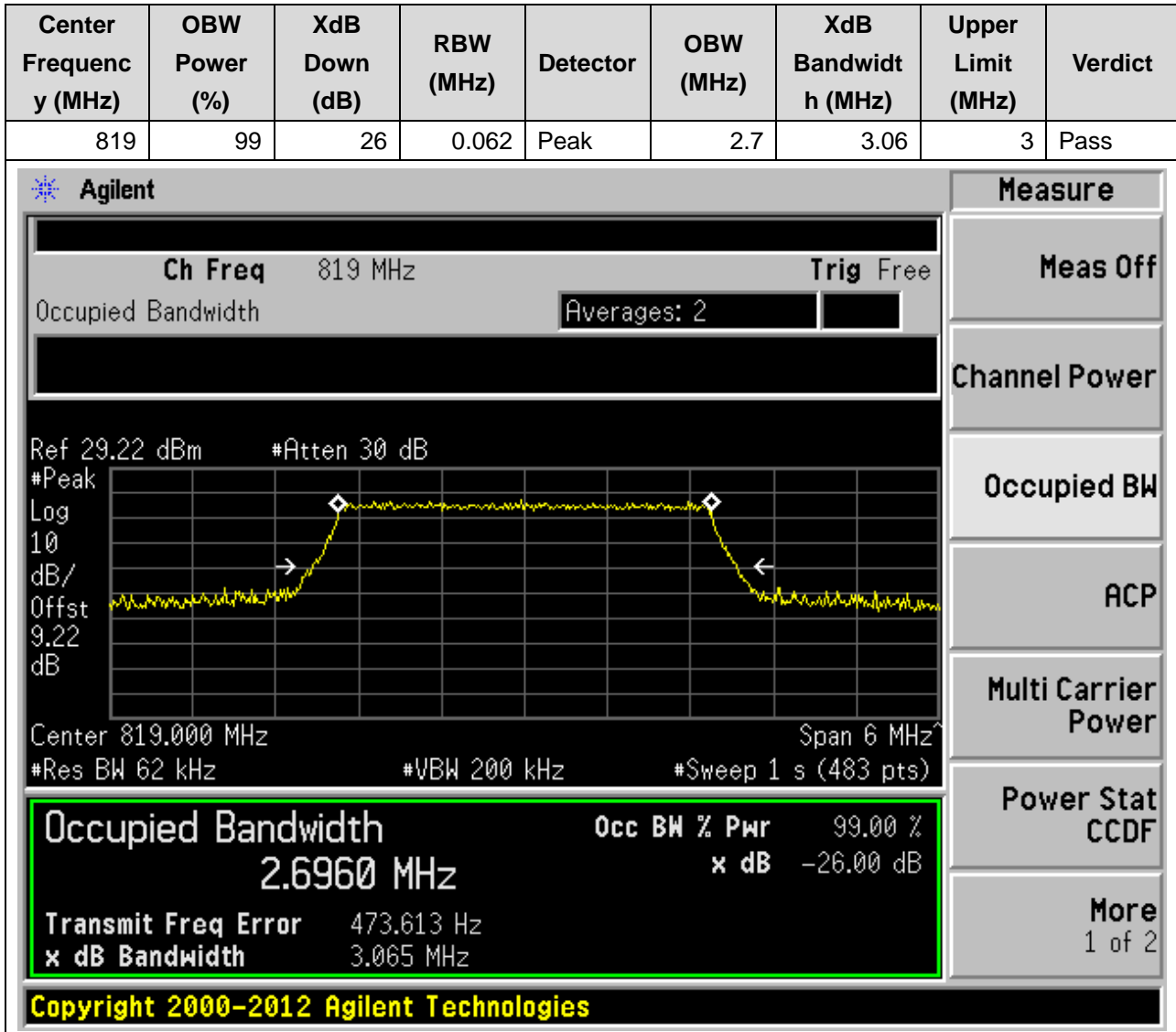
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 819 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.22 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.22 dB', 'Center 819.000 MHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 2.7053 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -519.261 Hz', and 'x dB Bandwidth 3.060 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'.

**2.14. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, 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
819	99	26	0.062	Peak	2.71	3.03	3	Pass



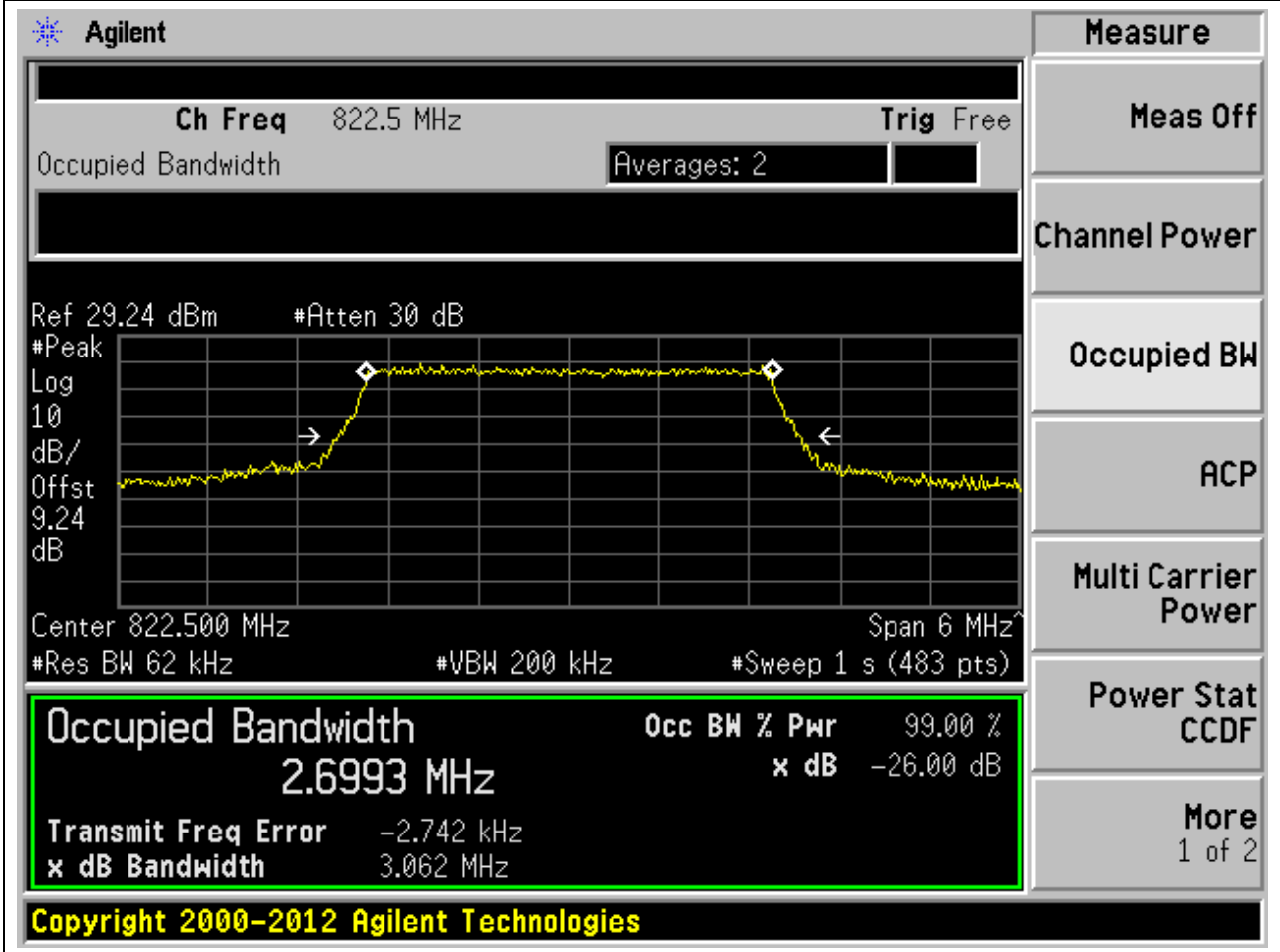
2.15. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)





**2.16. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26775, 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
822.5	99	26	0.062	Peak	2.7	3.06	3	Pass



2.17. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26775, 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
822.5	99	26	0.062	Peak	2.71	3.04	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 822.5 MHz. The occupied bandwidth is highlighted in a green box with the following values:

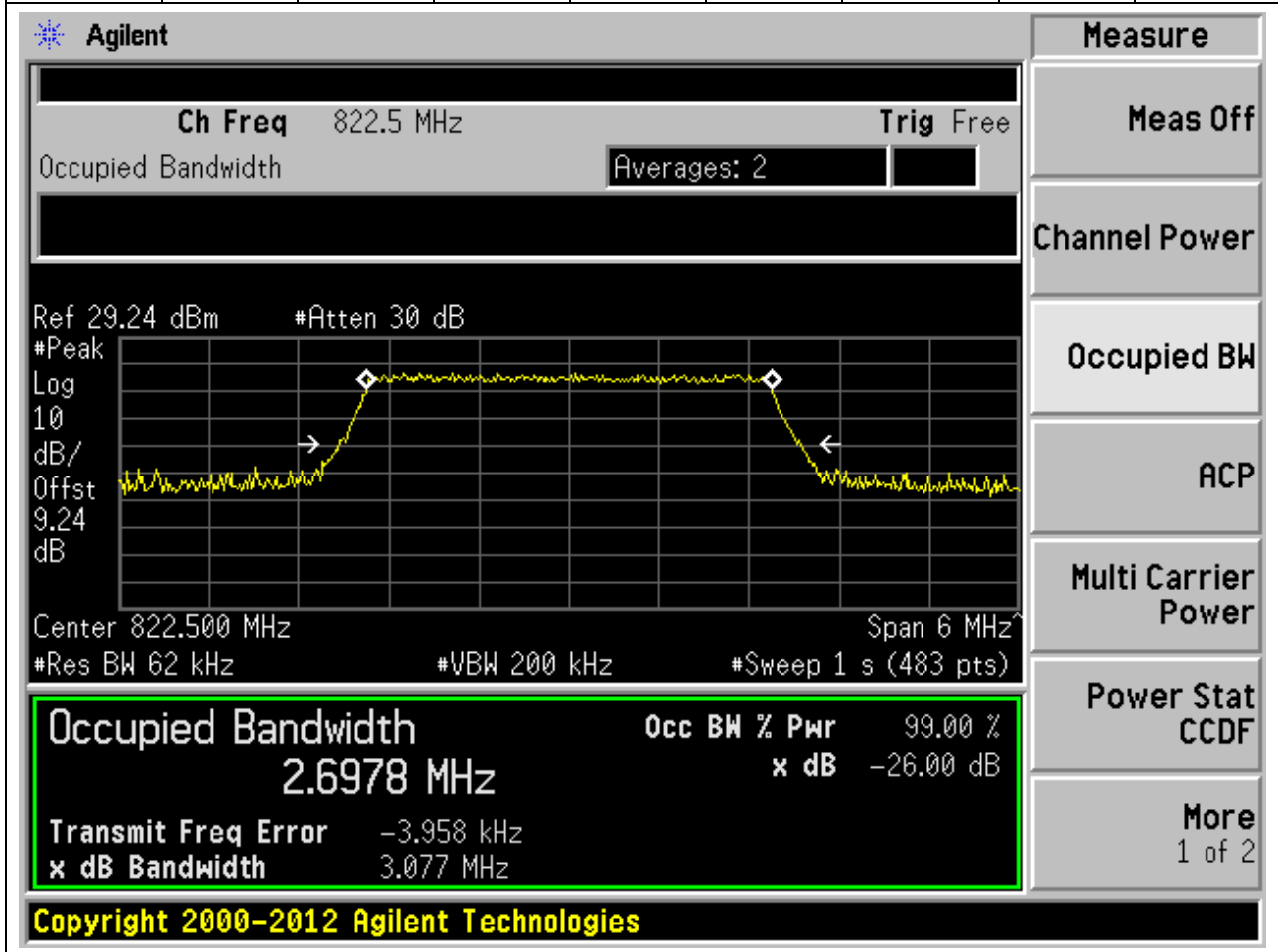
<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>2.7063 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.372 kHz
<b>x dB Bandwidth</b>		3.039 MHz

Other visible parameters include: Ch Freq 822.5 MHz, Trig Free, Averages: 2, Ref 29.24 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.24 dB, Center 822.500 MHz, Span 6 MHz, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts).

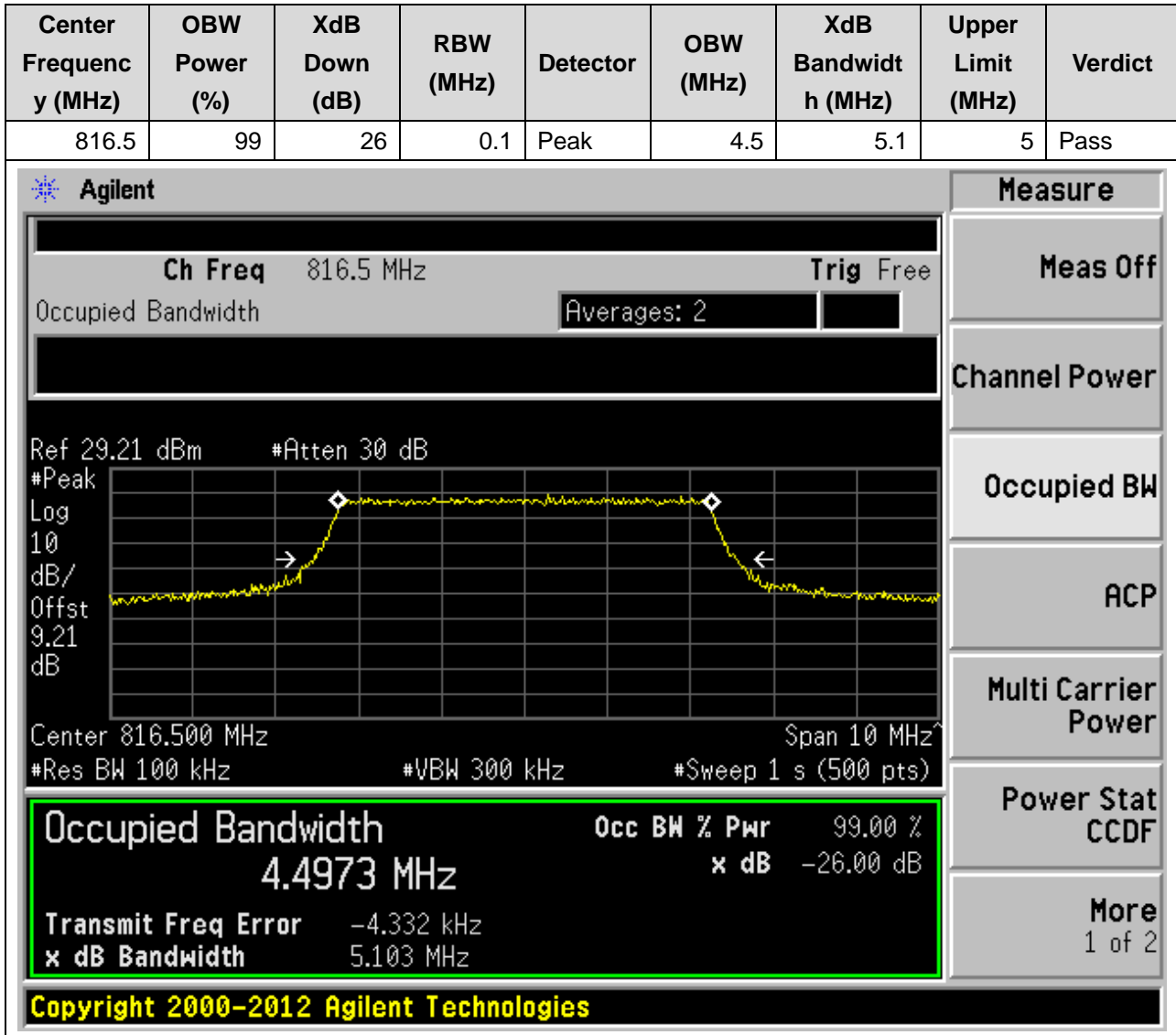
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2.18. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26775, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
822.5	99	26	0.062	Peak	2.7	3.08	3	Pass



**2.19. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

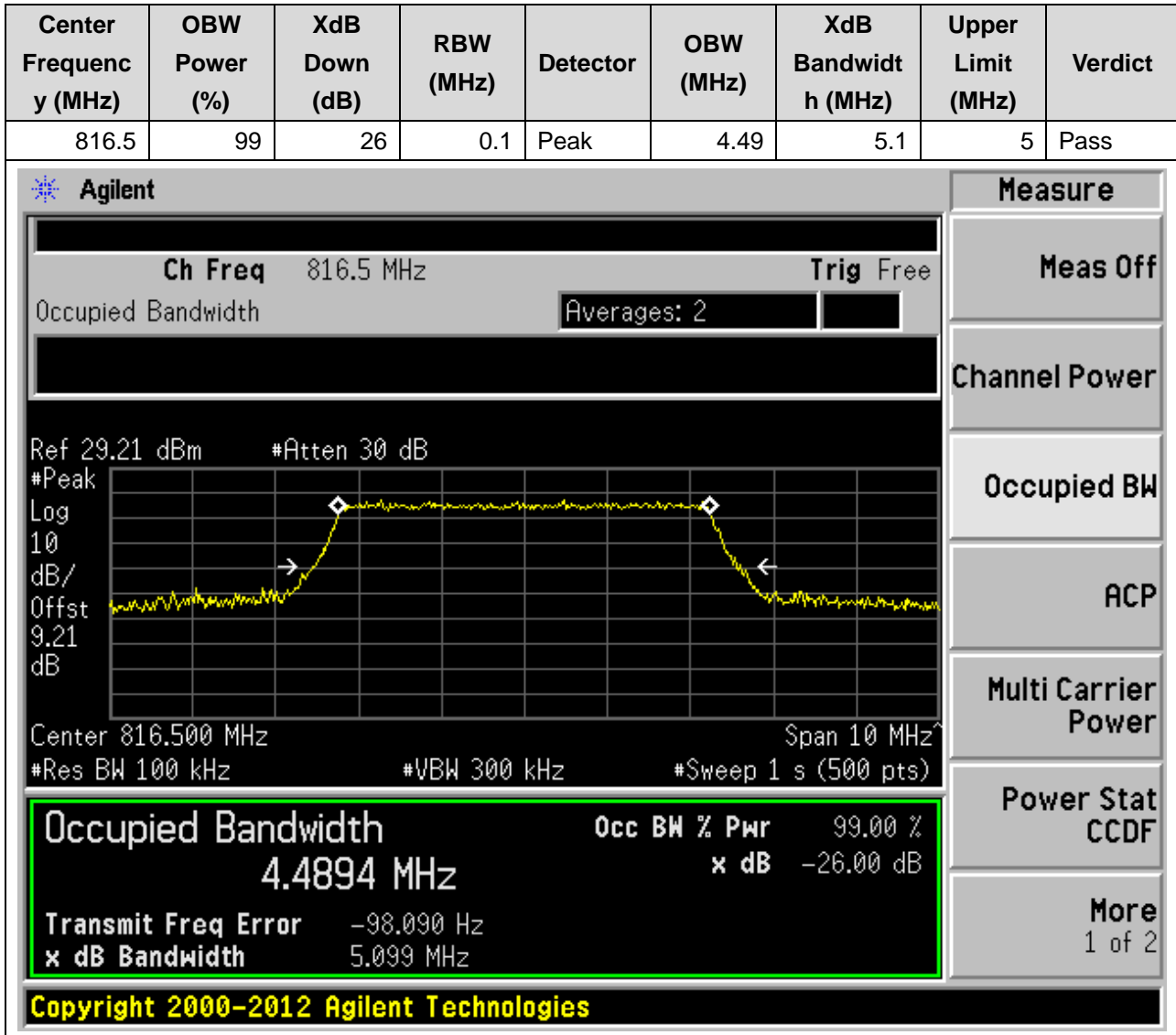


**2.20. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
816.5	99	26	0.1	Peak	4.5	5.09	5	Pass

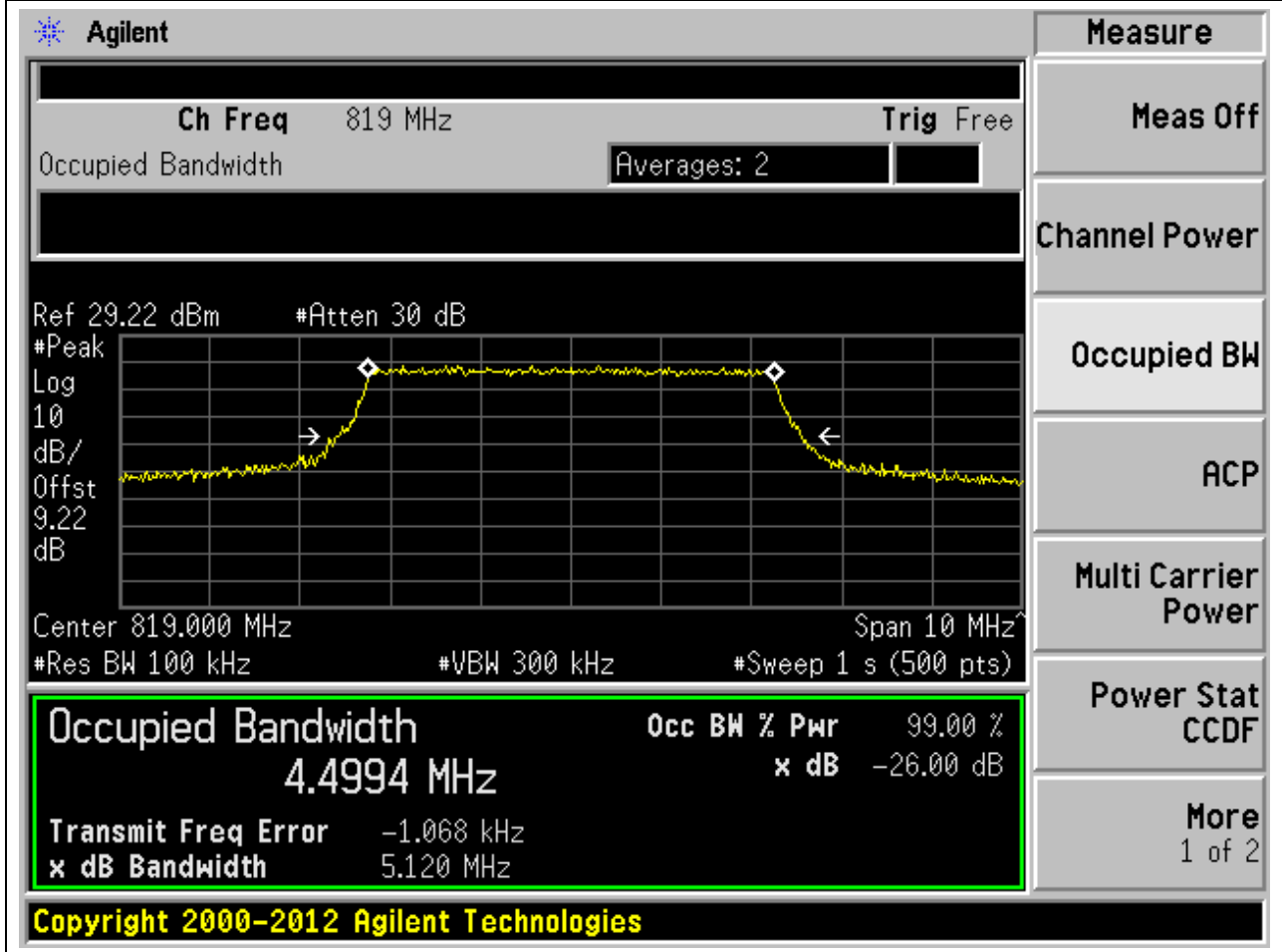
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 816.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot has a grid and is labeled with 'Ref 29.21 dBm' and '#Atten 30 dB'. The y-axis is labeled 'Log 10 dB/Offst 9.21 dB'. The x-axis is labeled 'Center 816.500 MHz' and 'Span 10 MHz'. Below the plot, it shows '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4968 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 4.958 kHz', and 'x dB Bandwidth 5.092 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'.

2.21. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26715, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



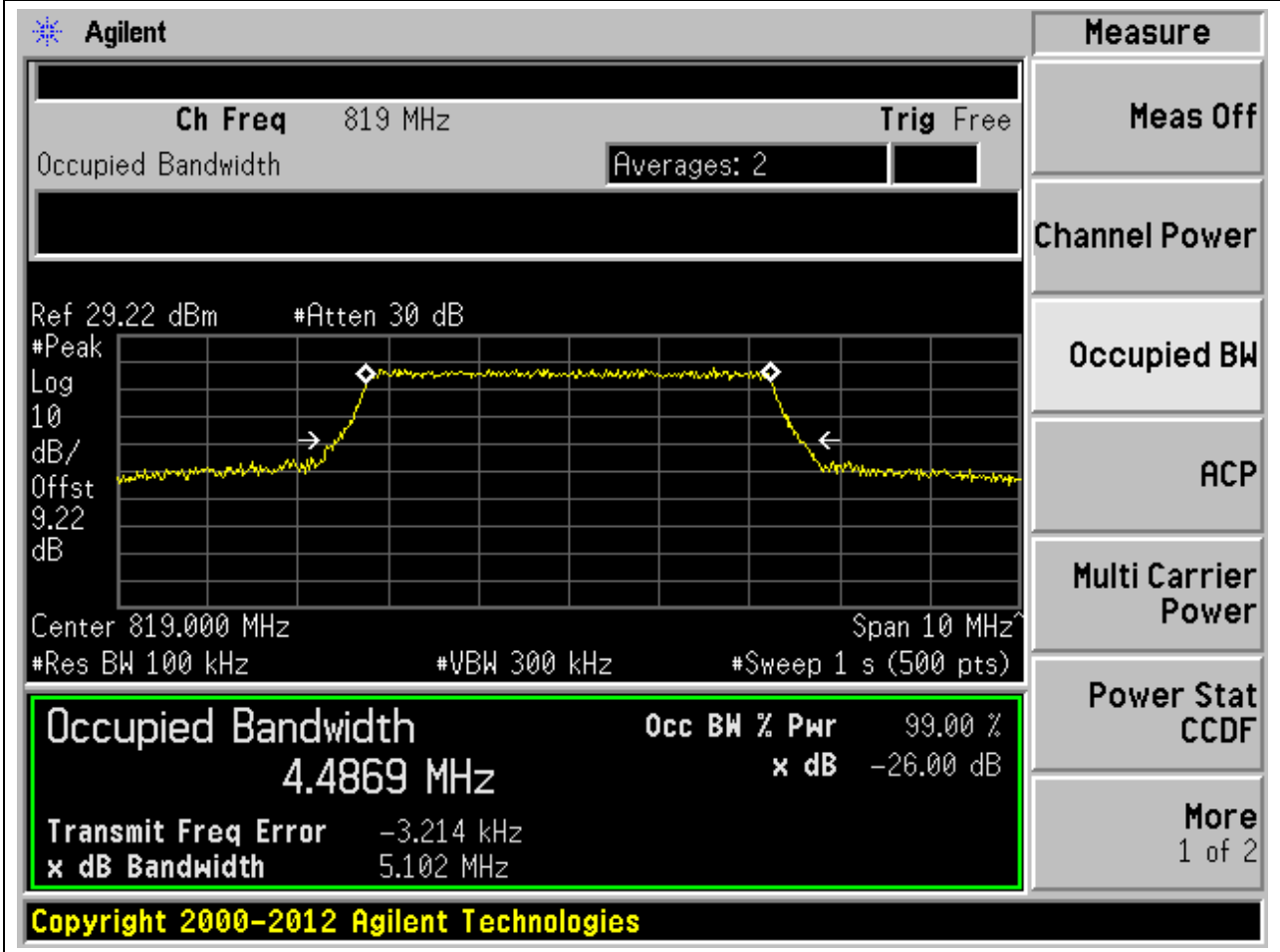
**2.22. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.1	Peak	4.5	5.12	5	Pass



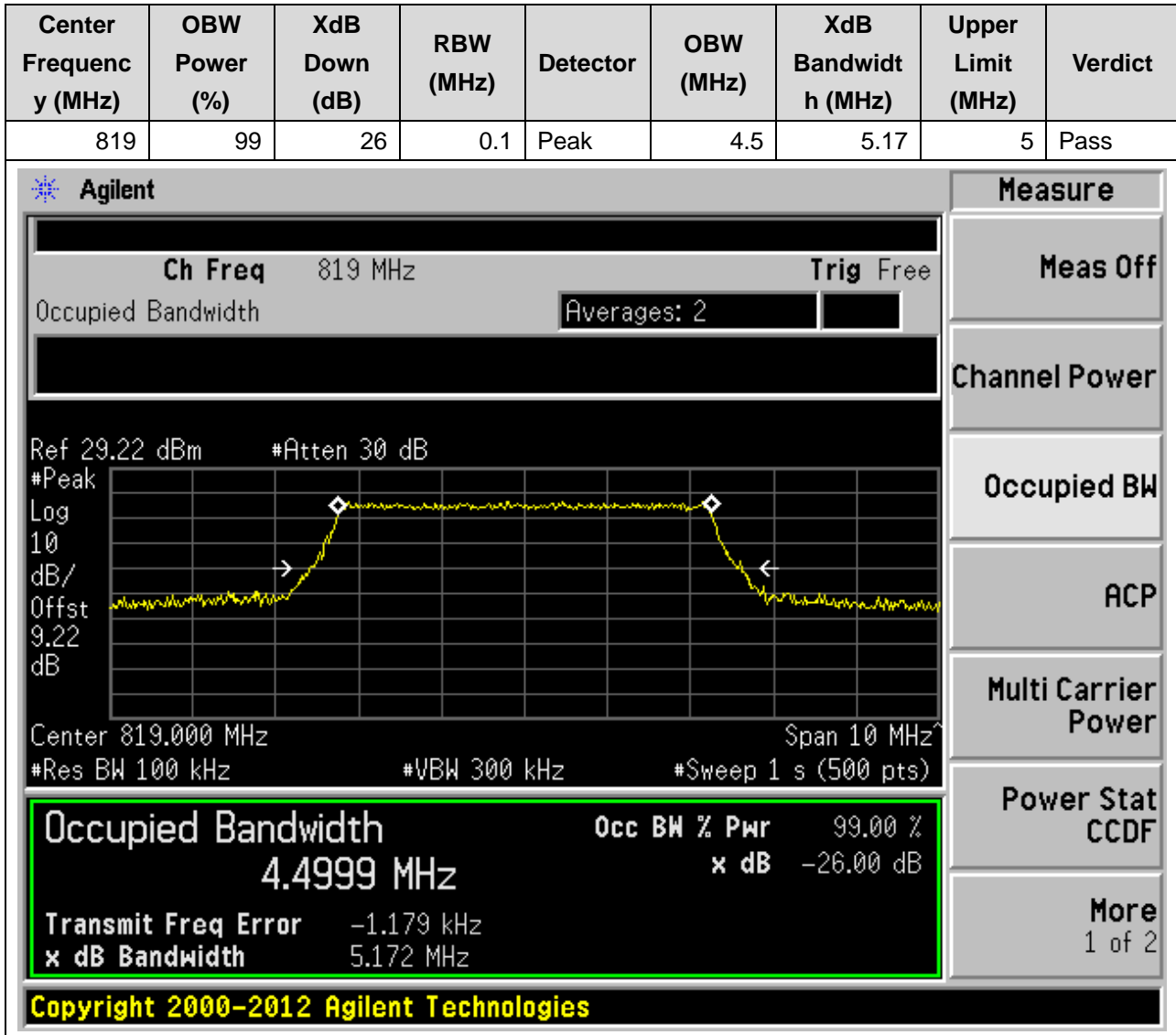
**2.23. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.1	Peak	4.49	5.1	5	Pass



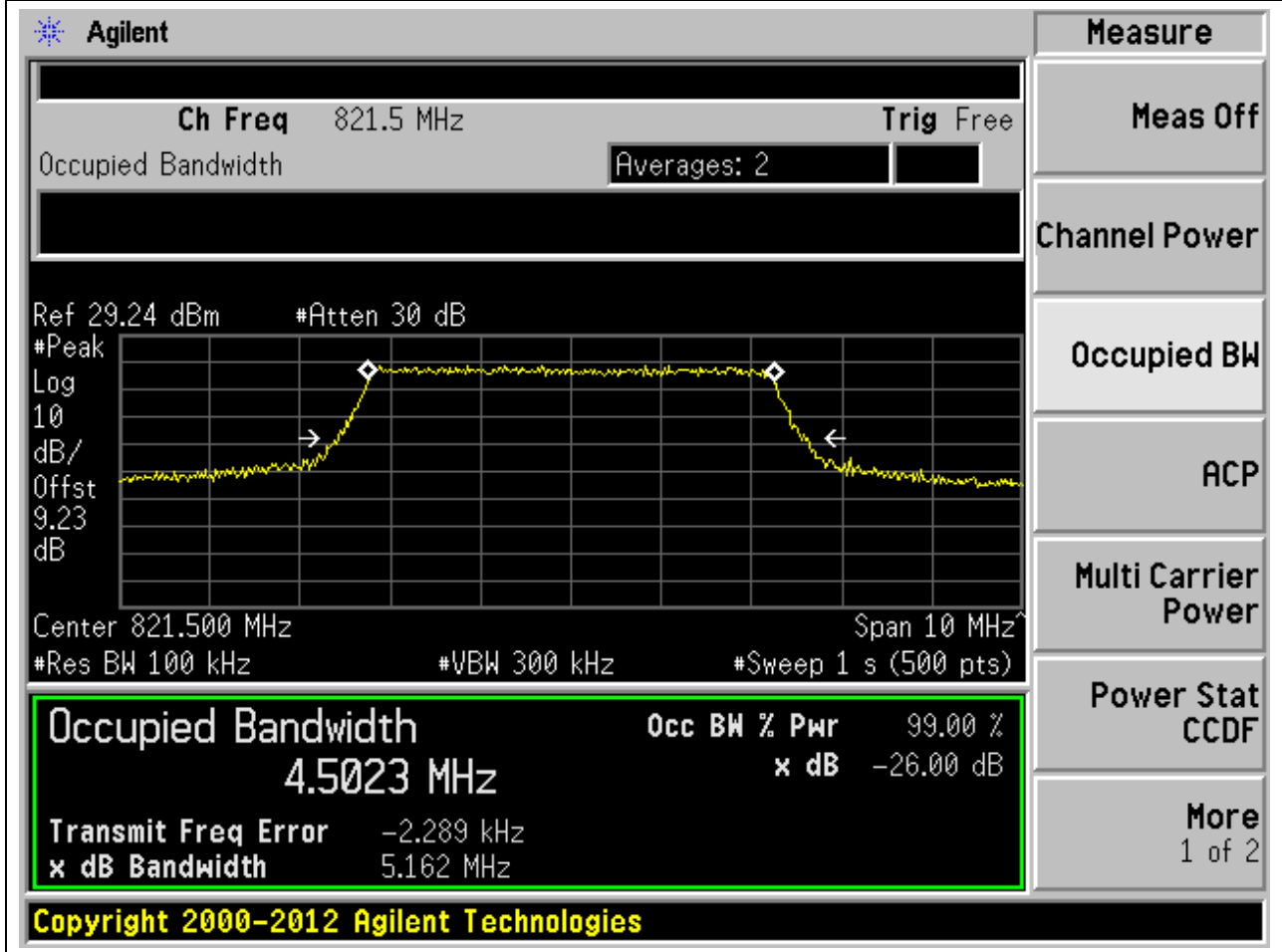


2.24. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



**2.25. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26765, 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
821.5	99	26	0.1	Peak	4.5	5.16	5	Pass



**2.26. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26765, 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
821.5	99	26	0.1	Peak	4.5	5.16	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 821.5 MHz. The occupied bandwidth is measured as 4.5014 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is 1.630 kHz, and the XdB bandwidth is 5.162 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5014 MHz	99.00 %	-26.00 dB

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2.27. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26765, 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
821.5	99	26	0.1	Peak	4.51	5.11	5	Pass

**Agilent**

Ch Freq 821.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.23 dB

Center 821.500 MHz Span 10 MHz

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

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
 4.5052 MHz x dB -26.00 dB

Transmit Freq Error -752.847 Hz  
 x dB Bandwidth 5.108 MHz

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**2.28. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)**

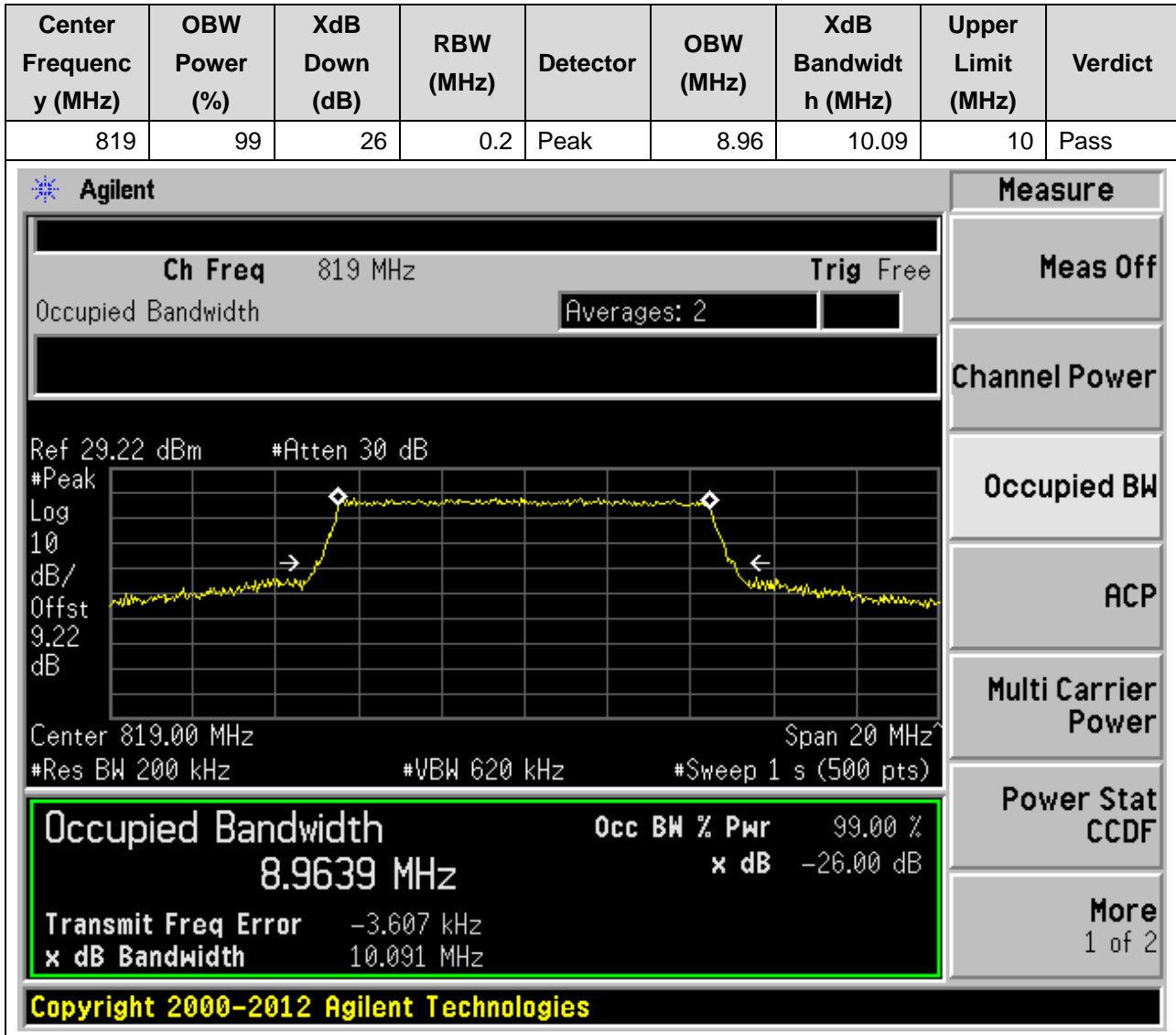
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.96	9.97	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 819 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot has a center frequency of 819.00 MHz and 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 s (500 pts). The plot shows a signal with a peak at 819 MHz. The occupied bandwidth is measured as 8.9572 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -4.380 kHz, and the X dB bandwidth is 9.973 MHz. The interface also shows 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 displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9572 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.380 kHz	
x dB Bandwidth	9.973 MHz	

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**2.29. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**



**2.30. LTE Occupied Bandwidth\_Part90(added 64QAM)(NTNV)(Channel:26740, 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
819	99	26	0.2	Peak	8.97	10.02	10	Pass

**Occupied Bandwidth** 8.9717 MHz

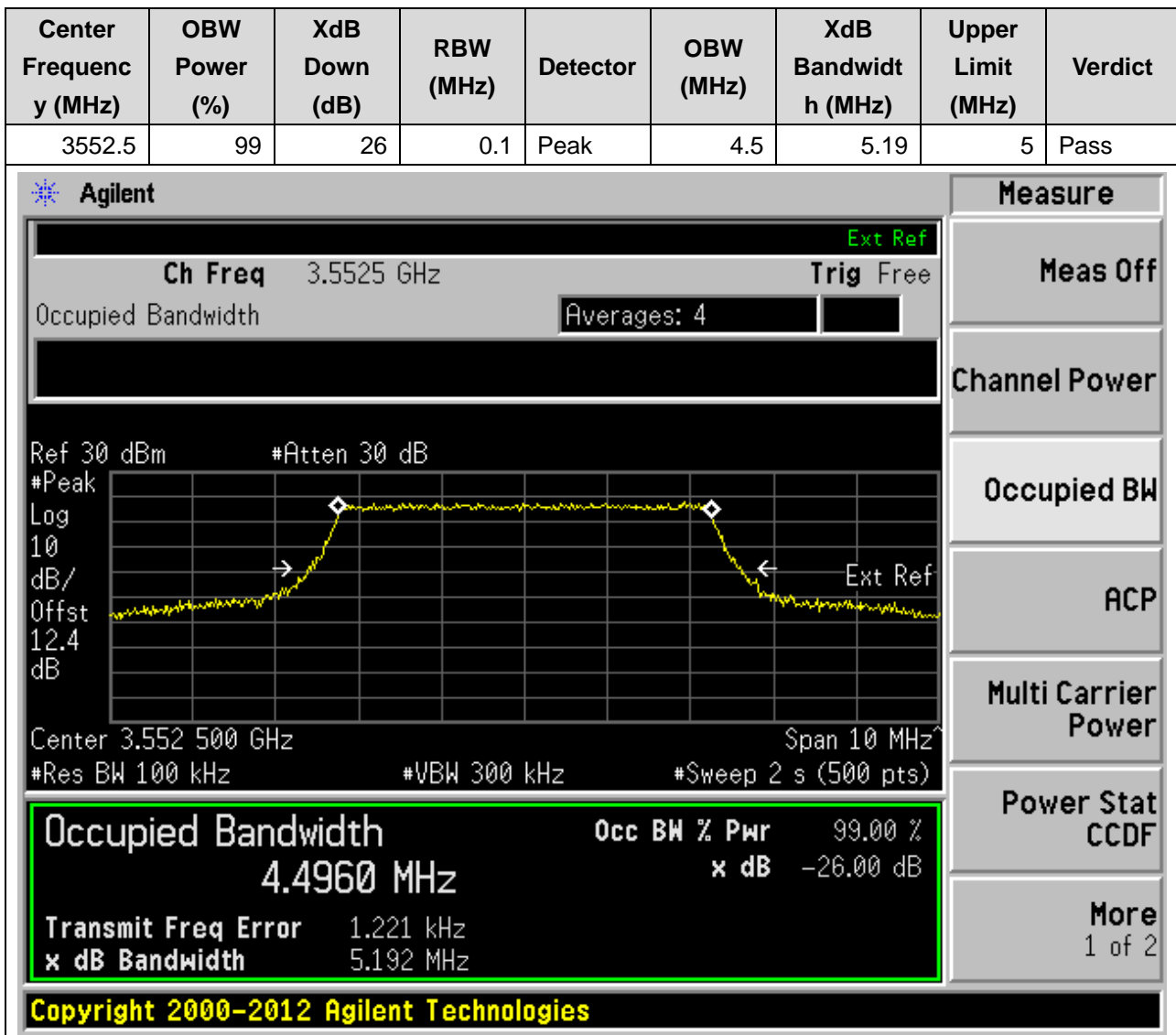
Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error -14.125 kHz  
x dB Bandwidth 10.017 MHz

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## 1. LTE\_Band48

### 1.1. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)





**1.2. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55265, 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
3552.5	99	26	0.1	Peak	4.49	5.13	5	Pass

**Agilent**

Ch Freq 3.5525 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.4 dB

Center 3.552500 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 2 s (500 pts)

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

4.4872 MHz x dB -26.00 dB

Transmit Freq Error -491.735 Hz

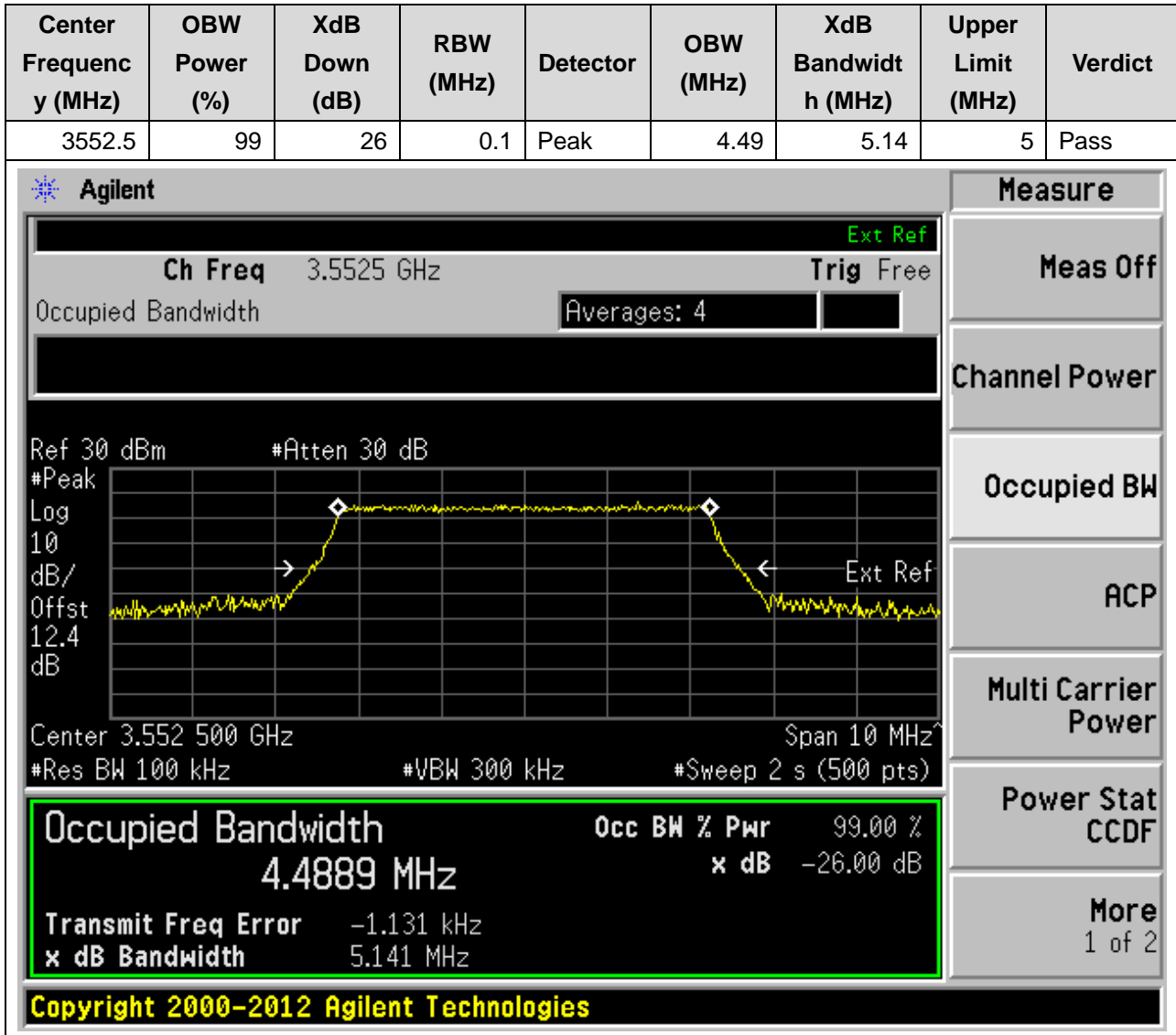
x dB Bandwidth 5.133 MHz

**Measure**

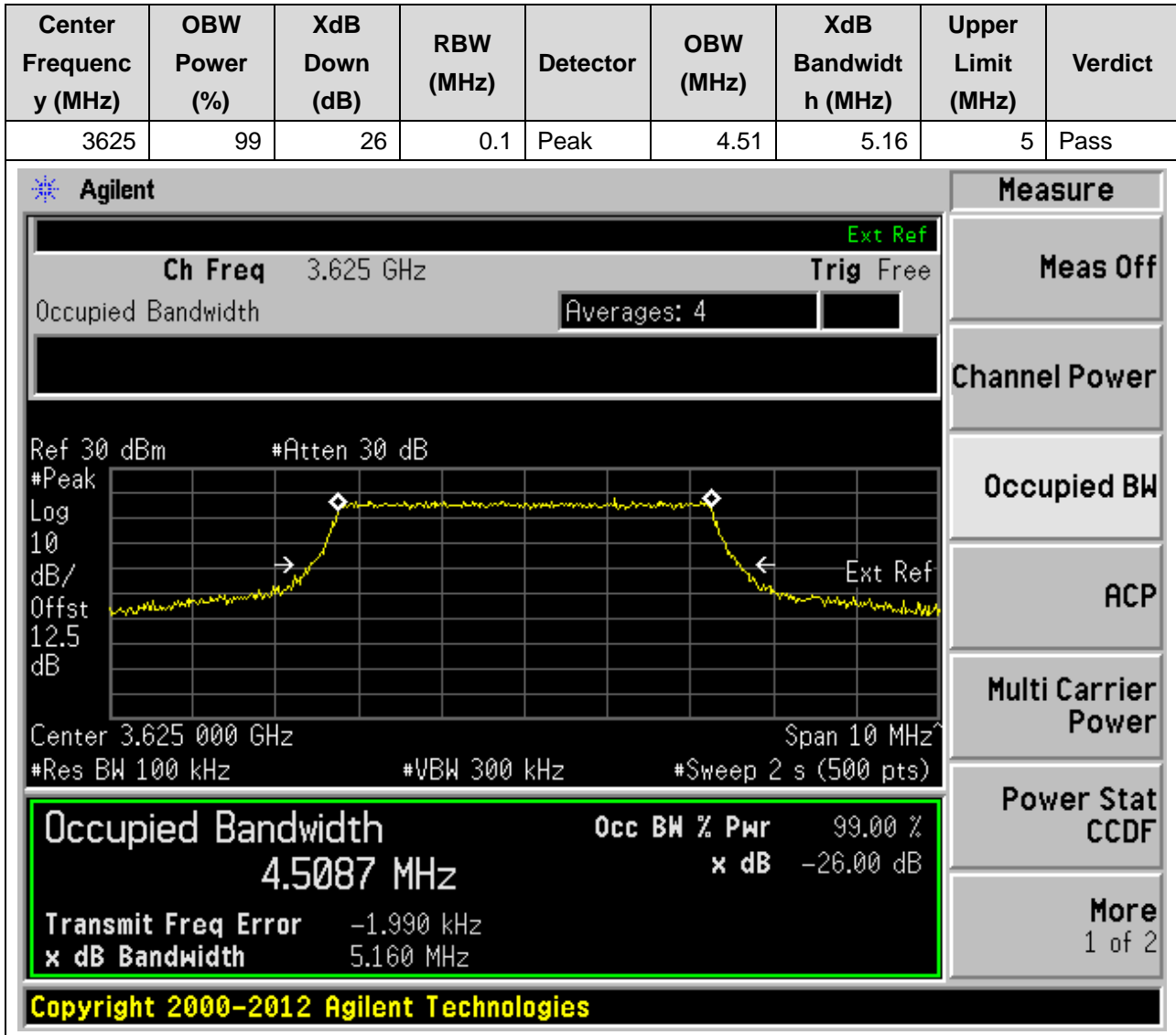
- Meas Off
- Channel Power
- Occupied BW
- ACP
- Multi Carrier Power
- Power Stat CCDF
- More 1 of 2

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1.3. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



**1.4. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)**



**1.5. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.1	Peak	4.5	5.12	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 3.625 GHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 2 seconds with 500 points. The occupied bandwidth is measured as 4.4957 MHz, which is 99.00% of the power. The XdB bandwidth is 5.124 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 2.161 kHz. The interface includes a 'Measure' panel on the right with buttons for 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The 'Occupied BW' button is highlighted in green. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4957 MHz	x dB	-26.00 dB
Transmit Freq Error	2.161 kHz	
x dB Bandwidth	5.124 MHz	

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**1.6. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.1	Peak	4.49	5.14	5	Pass

The screenshot displays the Agilent spectrum analyzer interface for an LTE channel. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.625 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4920 MHz, which is 99.00% of the 4.5 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 4.213 kHz, and the XdB bandwidth is 5.137 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4920 MHz	x dB	-26.00 dB
Transmit Freq Error	4.213 kHz	
x dB Bandwidth	5.137 MHz	

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**1.7. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56715, 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
3697.5	99	26	0.1	Peak	4.51	5.16	5	Pass

**Agilent**

Ch Freq 3.6975 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.3 dB

Center 3.697 500 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth 4.5106 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 4.076 kHz

x dB Bandwidth 5.163 MHz

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**1.8. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56715, 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
3697.5	99	26	0.1	Peak	4.5	5.11	5	Pass

The screenshot displays the Agilent spectrum analyzer interface for an LTE channel. The main display shows a spectrum plot with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4983 MHz	99.00 %	-26.00 dB

Additional parameters shown in the interface include: Ch Freq 3.6975 GHz, Trig Free, Averages: 4, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 12.3 dB, Center 3.697500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 2 s (500 pts). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**1.9. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56715, 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
3697.5	99	26	0.1	Peak	4.5	5.11	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 3.6975 GHz. The occupied bandwidth is measured as 4.4990 MHz, which is 99.00% of the 4.5 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -136.769 Hz, and the XdB bandwidth is 5.107 MHz. The interface includes various measurement controls and a 'Measure' menu on the right.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4990 MHz	x dB	-26.00 dB
Transmit Freq Error	-136.769 Hz	
x dB Bandwidth	5.107 MHz	

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**1.10. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55290, 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
3555	99	26	0.2	Peak	8.97	10.05	10	Pass

**Occupied Bandwidth** 8.9745 MHz

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error 848.298 Hz  
x dB Bandwidth 10.050 MHz

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**1.11. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55290, 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
3555	99	26	0.2	Peak	8.99	9.99	10	Pass

**Agilent** Measure

Ch Freq 3.555 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.4 dB

Center 3.555 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth 8.9891 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 4.174 kHz

x dB Bandwidth 9.993 MHz

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**1.12. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55290, 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
3555	99	26	0.2	Peak	8.98	10.05	10	Pass

**Agilent** Measure

Ch Freq 3.555 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.4 dB

Center 3.555 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth 8.9758 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -2.089 kHz

x dB Bandwidth 10.047 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**1.13. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.2	Peak	8.98	10.13	10	Pass

**Agilent** Measure

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.5 dB

Center 3.625 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth** 8.9829 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth 10.127 MHz

x dB -26.00 dB

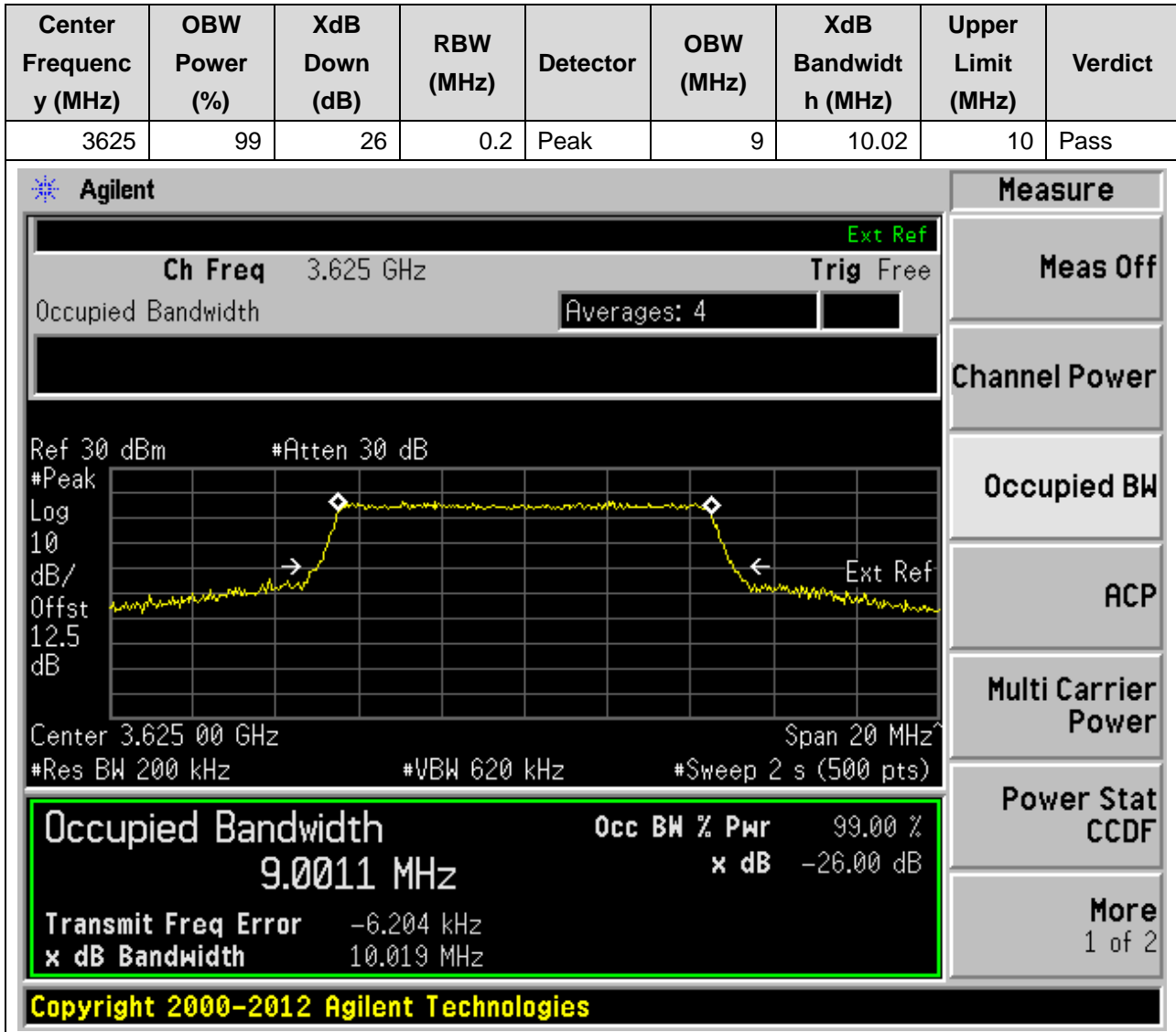
Transmit Freq Error 7.280 kHz

Power Stat CCDF

More 1 of 2

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**1.14. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)**



**1.15. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.2	Peak	8.99	10.04	10	Pass

**Agilent** Measure

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Peak Log 10 dB/Offst 12.5 dB #Atten 30 dB

Center 3.625 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth 8.9923 MHz**

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error -5.584 kHz  
x dB Bandwidth 10.036 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.16. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56690, 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
3695	99	26	0.2	Peak	8.99	10.07	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.695 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', and 'Ext Ref'. The plot shows a signal with a peak at approximately 3.695 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 8.9868 MHz. Other parameters shown include 'Transmit Freq Error 16.821 Hz' and 'x dB Bandwidth 10.068 MHz'. The 'Measure' panel on the right side of the screen lists various measurement options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9868 MHz	99.00 %	-26.00 dB

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**1.17. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56690, 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
3695	99	26	0.2	Peak	8.99	10.04	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.695 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Peak Log, 10 dB/Offst, 12.3 dB, Center 3.695 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, and #Sweep 2 s (500 pts). The plot shows a signal with a peak at approximately 3.695 GHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen, showing: Occupied Bandwidth 8.9929 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error 4.109 kHz, and x dB Bandwidth 10.037 MHz. The right side of the screen features a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright notice: Copyright 2000-2012 Agilent Technologies.



**1.18. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56690, 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
3695	99	26	0.2	Peak	8.99	10.03	10	Pass

**Agilent** Measure

Ch Freq 3.695 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.3 dB

Center 3.695 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth 8.9862 MHz**

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error 5.832 kHz  
x dB Bandwidth 10.029 MHz

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\_Part96(added 64QAM)(NTNV)(Channel:55315, 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
3557.5	99	26	0.3	Peak	13.49	14.47	15	Pass

**Occupied Bandwidth** 13.4919 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** -2.937 kHz

**x dB Bandwidth** 14.474 MHz

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**1.20. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)**

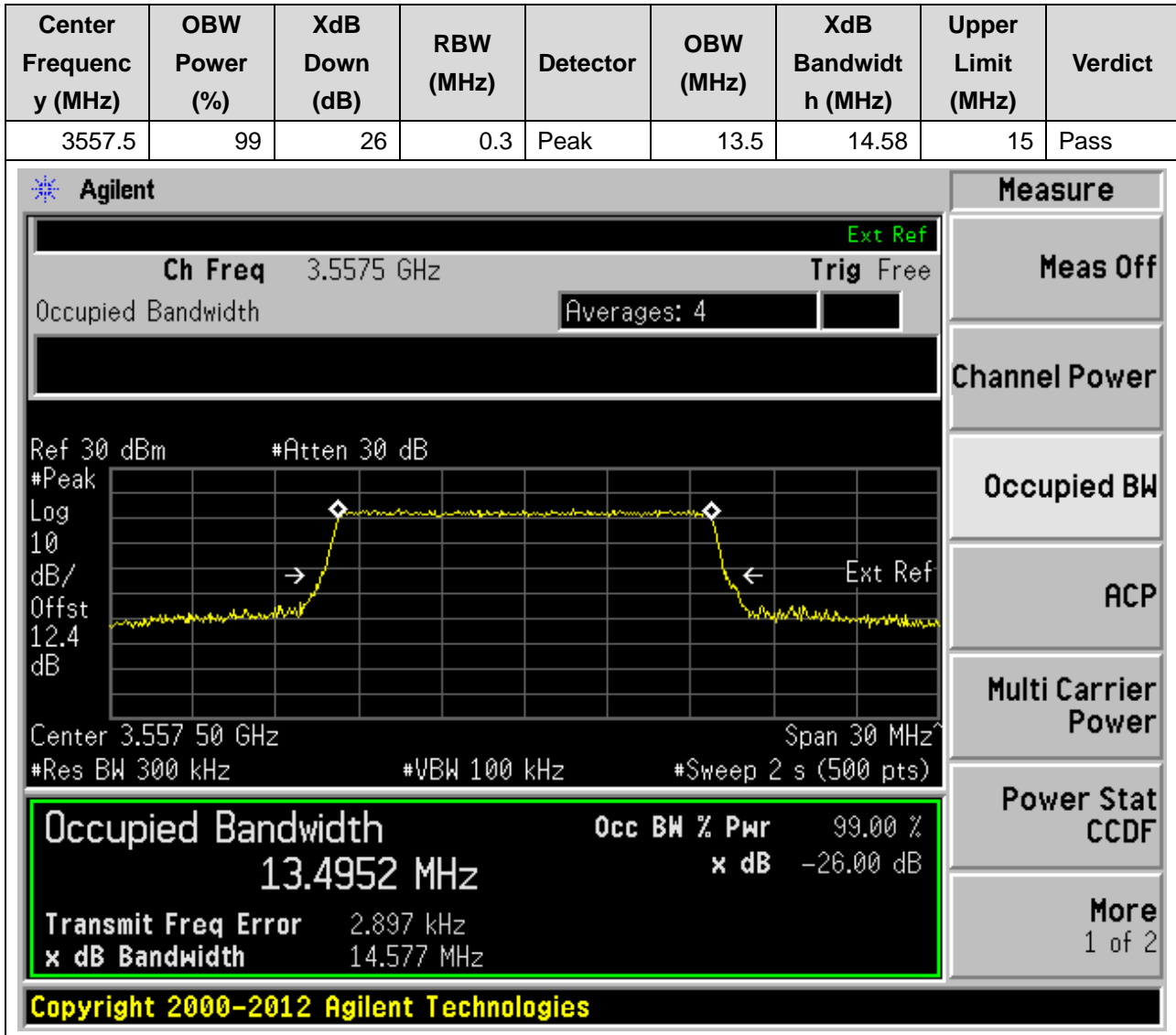
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
3557.5	99	26	0.3	Peak	13.48	14.48	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.5575 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot has a center frequency of 3.5575 GHz and a span of 30 MHz. The resolution bandwidth (RBW) is 300 kHz, and the video bandwidth (VBW) is 100 kHz. The sweep time is 2 seconds with 500 points. The plot shows a signal with a peak level of 30 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 13.4801 MHz, which is 99.00% of the power. The XdB bandwidth is 14.484 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 5.474 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 %
13.4801 MHz	x dB	-26.00 dB
Transmit Freq Error	5.474 kHz	
x dB Bandwidth	14.484 MHz	

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**1.21. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)**



**1.22. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.3	Peak	13.5	14.51	15	Pass

**Agilent** Measure

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.5 dB

Center 3.625 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 100 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth 13.4989 MHz**

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -7.634 kHz

x dB Bandwidth 14.506 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**1.23. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.3	Peak	13.5	14.54	15	Pass

**Agilent**

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.5 dB

Center 3.625 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 100 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth** 13.5042 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error 2.792 kHz

x dB Bandwidth 14.539 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.24. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.3	Peak	13.48	14.49	15	Pass

**Agilent** Measure

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 12.5 dB

Center 3.625 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 100 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth** 13.4760 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -11.408 kHz

x dB Bandwidth 14.488 MHz

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**1.25. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56665, 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
3692.5	99	26	0.3	Peak	13.49	14.5	15	Pass

**Agilent** Measure

Ch Freq 3.6925 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Peak Log 10 dB/Offst 12.3 dB #Atten 30 dB

Center 3.6925 GHz Span 30 MHz #Res BW 300 kHz #VBW 100 kHz #Sweep 2 s (500 pts)

**Occupied Bandwidth** 13.4891 MHz

Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error 7.108 kHz  
x dB Bandwidth 14.498 MHz

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**1.26. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56665, 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
3692.5	99	26	0.3	Peak	13.5	14.54	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 3.6925 GHz. The occupied bandwidth is highlighted in a green box at the bottom of the screen, showing a value of 13.4973 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface also shows various measurement parameters such as Res BW (300 kHz), VBW (100 kHz), and Sweep (2 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4973 MHz	99.00 %	-26.00 dB

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**1.27. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56665, 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
3692.5	99	26	0.3	Peak	13.48	14.51	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 3.6925 GHz and a span of 30 MHz. The resolution bandwidth (RBW) is 300 kHz, and the video bandwidth (VBW) is 100 kHz. The plot shows a signal with a peak level of 10 dB and a noise floor of 12.3 dB. The occupied bandwidth is measured as 13.4800 MHz, which is 99.00% of the power. The XdB bandwidth is 14.505 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 3.041 kHz. The interface also shows various measurement settings and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	X dB
13.4800 MHz	99.00 %	-26.00 dB

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**1.28. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55340, 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
3560	99	26	0.39	Peak	17.95	19.45	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.56 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 12.4 dB', 'Center 3.560 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 200 kHz', and '#Sweep 2 s (512 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 17.9491 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 1.300 kHz' and 'x dB Bandwidth 19.451 MHz'. The interface also features a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**1.29. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55340, 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
3560	99	26	0.39	Peak	17.96	19.7	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 3.56 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Peak Log, 10 dB/Offst, 12.4 dB, Center 3.56000 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 200 kHz, and #Sweep 2 s (512 pts). The plot shows a signal with a peak at approximately 3.56 GHz. The occupied bandwidth is highlighted in green, showing a value of 17.9607 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is 5.467 kHz and the X dB bandwidth is 19.701 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 displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9607 MHz	x dB	-26.00 dB
Transmit Freq Error	5.467 kHz	
x dB Bandwidth	19.701 MHz	

**1.30. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55340, 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
3560	99	26	0.39	Peak	17.98	19.51	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 3.56 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', and 'Ext Ref'. The plot shows a signal with a peak at approximately 3.56 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9772 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 2.022 kHz' and 'x dB Bandwidth 19.508 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9772 MHz	99.00 %	-26.00 dB

**1.31. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.39	Peak	18.04	19.39	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Agilent' and 'Measure' options. The main display area shows a spectrum plot with a yellow trace. The plot is titled 'Occupied Bandwidth' and shows a signal centered at 3.625 GHz. The plot parameters include: Ref 30 dBm, #Peak Log, 10 dB/Offst, 12.5 dB, #Res BW 390 kHz, #VBW 200 kHz, #Sweep 2 s (512 pts), Span 40 MHz, and Center 3.625 00 GHz. The plot shows a signal with a peak at 3.625 GHz and a bandwidth of 18.0419 MHz. The plot also shows a signal with a peak at 3.625 GHz and a bandwidth of 19.393 MHz. The plot is titled 'Occupied Bandwidth' and shows a signal centered at 3.625 GHz. The plot parameters include: Ref 30 dBm, #Peak Log, 10 dB/Offst, 12.5 dB, #Res BW 390 kHz, #VBW 200 kHz, #Sweep 2 s (512 pts), Span 40 MHz, and Center 3.625 00 GHz. The plot shows a signal with a peak at 3.625 GHz and a bandwidth of 18.0419 MHz. The plot also shows a signal with a peak at 3.625 GHz and a bandwidth of 19.393 MHz.

Occupied Bandwidth	Occ BW % Pwr	x dB
18.0419 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 2.236 kHz  
 x dB Bandwidth: 19.393 MHz

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**1.32. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.39	Peak	17.96	19.5	20	Pass

**Agilent** Measure

Ch Freq 3.625 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.5 dB

Center 3.625 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 2 s (512 pts)

**Occupied Bandwidth** 17.9637 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 3.922 kHz

x dB Bandwidth 19.497 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**1.33. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:55990, 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
3625	99	26	0.39	Peak	17.95	19.32	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Agilent' and 'Measure' options. The main display area shows a spectrum plot with a yellow trace. The plot parameters are: Center 3.625 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 200 kHz, #Sweep 2 s (512 pts). The plot shows a signal with a peak at 3.625 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing 17.9513 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -3.726 kHz and the 'x dB Bandwidth' is 19.320 MHz. The 'Verdict' is 'Pass'.

Occupied Bandwidth	Occ BW % Pwr	x dB
17.9513 MHz	99.00 %	-26.00 dB

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**1.34. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56640, 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
3690	99	26	0.39	Peak	17.98	19.46	20	Pass

**Agilent** Measure

Ch Freq 3.69 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Peak #Atten 30 dB

Log 10 dB/Offst 12.3 dB

Center 3.690 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 2 s (512 pts)

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

**17.9835 MHz** x dB -26.00 dB

Transmit Freq Error -9.465 kHz

x dB Bandwidth 19.465 MHz

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**1.35. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56640, 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
3690	99	26	0.39	Peak	17.95	19.44	20	Pass

**Agilent** Measure

Ch Freq 3.69 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Peak Log 10 dB/Offst 12.3 dB #Atten 30 dB

Center 3.690 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 2 s (512 pts)

**Occupied Bandwidth** 17.9545 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error 6.260 kHz

x dB Bandwidth 19.444 MHz

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**1.36. LTE Occupied Bandwidth\_Part96(added 64QAM)(NTNV)(Channel:56640, 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
3690	99	26	0.39	Peak	17.95	19.42	20	Pass

**Agilent** Measure

Ch Freq 3.69 GHz Trig Free

Occupied Bandwidth Averages: 4

Ref 30 dBm #Peak #Atten 30 dB

Log 10 dB/Offst 12.3 dB

Center 3.690 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 200 kHz #Sweep 2 s (512 pts)

**Occupied Bandwidth** 17.9526 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -6.767 kHz

x dB Bandwidth 19.419 MHz

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# 1. CA\_2C

1.1. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:18808|18925, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880.4	99	26	0.51	Peak	22.94	24.6	25	Pass

Agilent 20:57:38 Apr 15, 2025

Ch Freq 1.8804 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 40 GHz Span 50 MHz

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

**Occupied Bandwidth 22.9394 MHz**

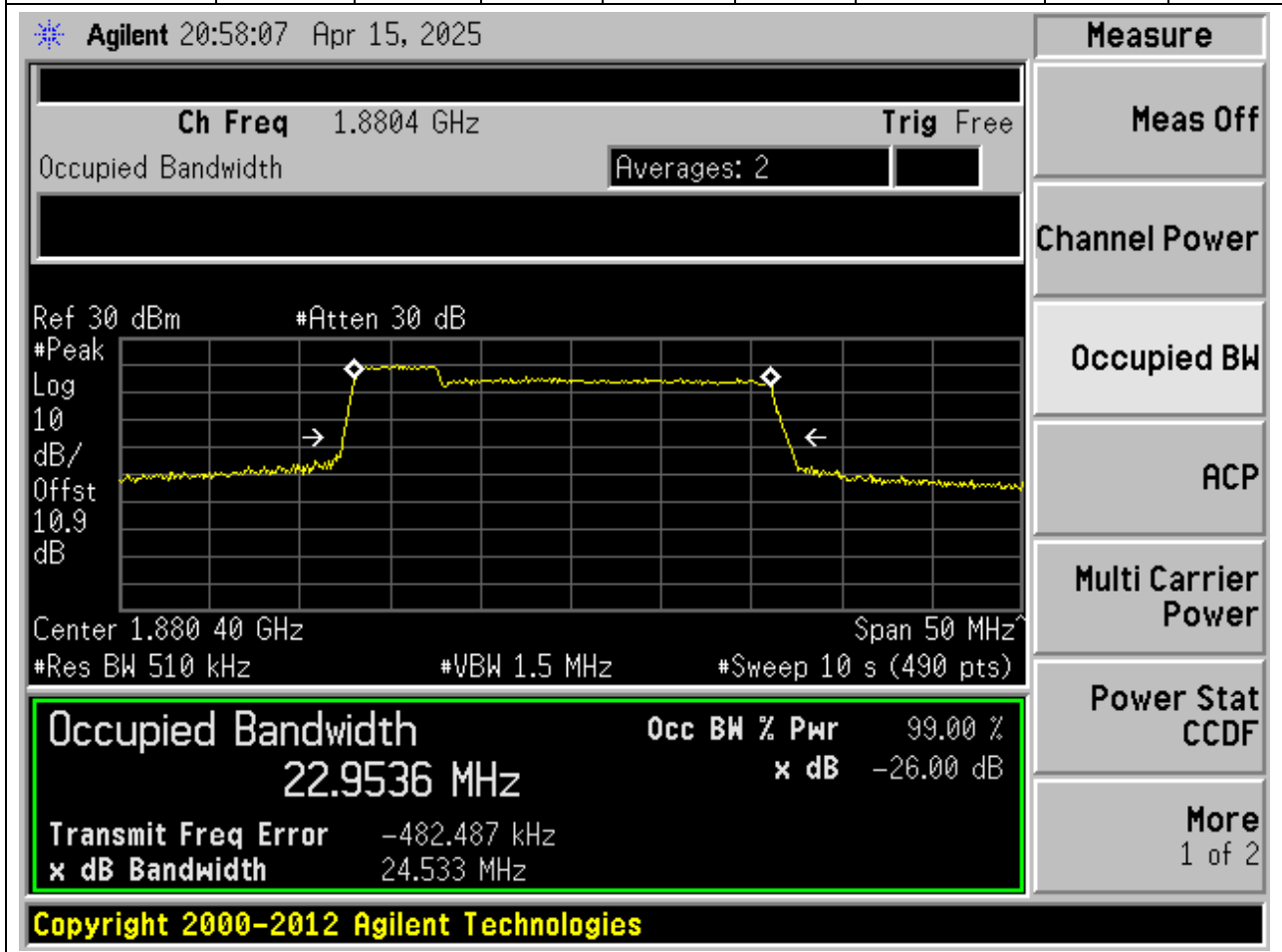
Occ BW % Pwr 99.00 %  
x dB -26.00 dB

Transmit Freq Error -490.436 kHz  
x dB Bandwidth 24.596 MHz

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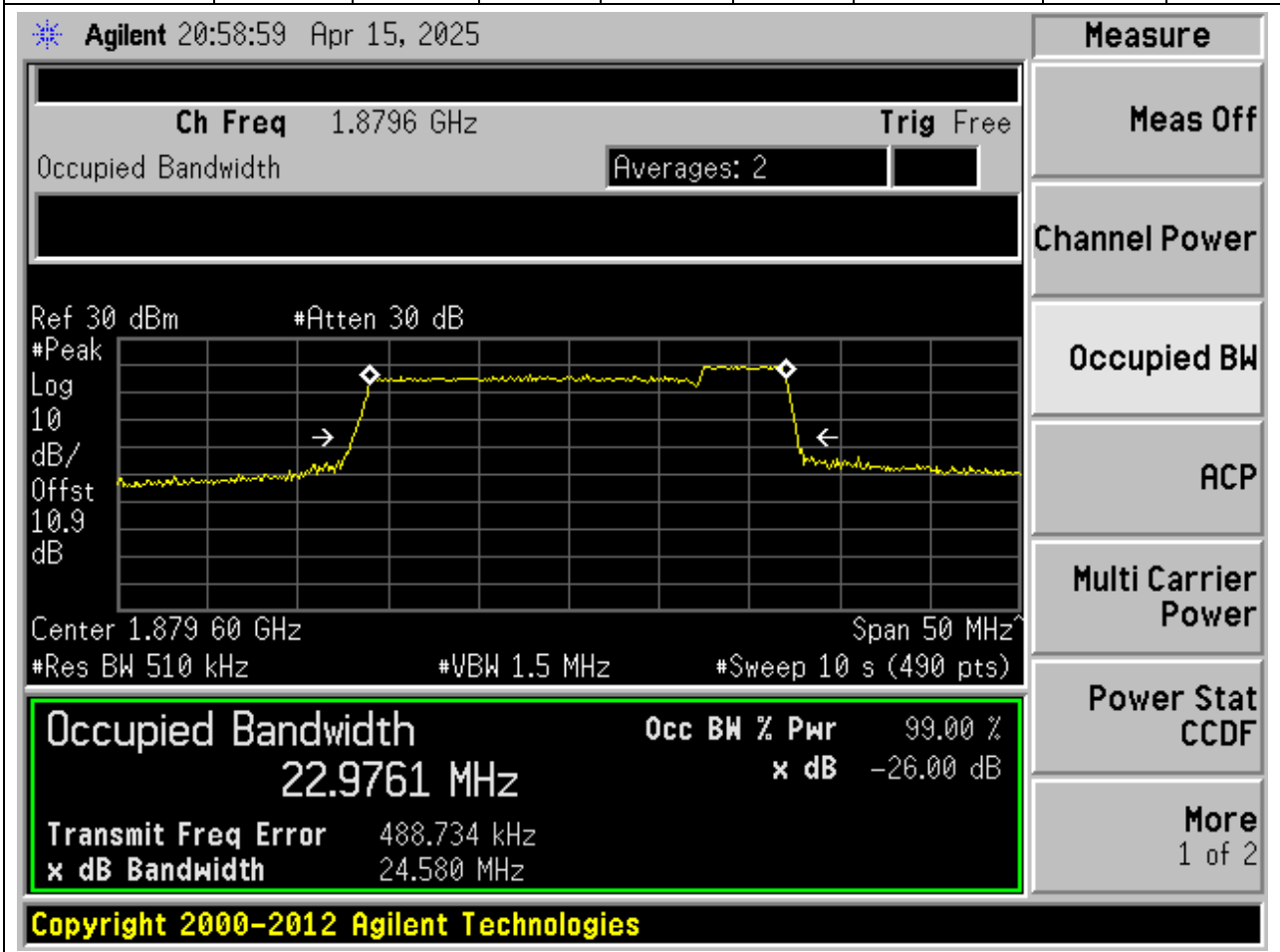
**1.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:18808|18925, Bandwidth:5|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880.4	99	26	0.51	Peak	22.95	24.53	25	Pass



**1.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:18875|18992, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1879.6	99	26	0.51	Peak	22.98	24.58	25	Pass



**1.4. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:18875|18992, Bandwidth:20|5MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1879.6	99	26	0.51	Peak	22.95	24.48	25	Pass

**Agilent** 20:59:28 Apr 15, 2025

**Ch Freq** 1.8796 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.879 60 GHz Span 50 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
22.9542 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	497.283 kHz	
<b>x dB Bandwidth</b>	24.483 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:18806|18950, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880.3	99	26	0.62	Peak	27.85	29.89	30	Pass

**Agilent** 21:00:21 Apr 15, 2025

**Ch Freq** 1.8803 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 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>27.8457 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-335.618 kHz	
<b>x dB Bandwidth</b>	29.891 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2



**1.6. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6,  
Channel:18806|18950, 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
1880.3	99	26	0.62	Peak	27.84	29.88	30	Pass

**Agilent** 21:00:50 Apr 15, 2025

**Ch Freq** 1.8803 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 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>27.8358 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-327.254 kHz	
<b>x dB Bandwidth</b>	29.876 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:18851|18995, 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
1879.8	99	26	0.62	Peak	27.86	29.88	30	Pass

**Agilent** 21:01:44 Apr 15, 2025

**Ch Freq** 1.8798 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.879 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>27.8609 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	338.314 kHz	
<b>x dB Bandwidth</b>	29.880 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:18851|18995, 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
1879.8	99	26	0.62	Peak	27.82	29.88	30	Pass

**Agilent** 21:02:13 Apr 15, 2025

**Ch Freq** 1.8798 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.879 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>27.8225 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	323.699 kHz	
<b>x dB Bandwidth</b>	29.878 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:18829|18949, Bandwidth:10|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
1880.15	99	26	0.51	Peak	23.21	24.96	25	Pass

**Agilent** 21:03:06 Apr 15, 2025

Ch Freq 1.88015 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 15 GHz Span 50 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.2107 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-165.116 kHz	
<b>x dB Bandwidth</b>	24.960 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:18829|18949, Bandwidth:10|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
1880.15	99	26	0.51	Peak	23.18	25.04	25	Pass

**Agilent** 21:03:36 Apr 15, 2025

**Ch Freq** 1.88015 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 15 GHz Span 50 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.1838 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-167.226 kHz	
<b>x dB Bandwidth</b>	25.043 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:18851|18971, Bandwidth:15|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
1879.85	99	26	0.51	Peak	23.21	25.01	25	Pass

**Agilent** 21:04:12 Apr 15, 2025

**Ch Freq** 1.87985 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

Center 1.879 85 GHz Span 50 MHz  
#Res BW 510 kHz #VBW 1.5 MHz #Sweep 10 s (490 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.2051 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	154.023 kHz	
<b>x dB Bandwidth</b>	25.007 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:18851|18971, Bandwidth:15|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
1879.85	99	26	0.51	Peak	23.17	24.98	25	Pass

**Agilent** 21:04:41 Apr 15, 2025

**Ch Freq** 1.87985 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.879 85 GHz Span 50 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>23.1723 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	151.565 kHz	
<b>x dB Bandwidth</b>	24.978 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.13. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:18825|18975, 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
1880	99	26	0.62	Peak	28.41	30.56	30	Pass

**Agilent** 21:05:13 Apr 15, 2025

**Ch Freq** 1.88 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.4149 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	9.145 kHz	
<b>x dB Bandwidth</b>	30.556 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2



**1.14. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:18825|18975, 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
1880	99	26	0.62	Peak	28.39	30.54	30	Pass

**Agilent** 21:05:43 Apr 15, 2025

**Ch Freq** 1.88 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.3899 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.683 kHz	
<b>x dB Bandwidth</b>	30.537 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.15. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:18803|18974, 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
1880.1	99	26	0.68	Peak	32.73	35.19	35	Pass

**Agilent** 21:06:15 Apr 15, 2025

**Ch Freq** 1.8801 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 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 %
32.7333 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	-171.433 kHz	
<b>x dB Bandwidth</b>	35.191 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.16. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16,  
Channel:18803|18974, 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
1880.1	99	26	0.68	Peak	32.71	35.13	35	Pass

**Agilent** 21:06:44 Apr 15, 2025

**Ch Freq** 1.8801 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 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>32.7058 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-166.336 kHz	
<b>x dB Bandwidth</b>	35.127 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.17. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:18826|18997, 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
1879.9	99	26	0.68	Peak	32.75	35.22	35	Pass

**Agilent** 21:07:38 Apr 15, 2025

**Ch Freq** 1.8799 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

Center 1.879 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>32.7528 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	174.499 kHz	
<b>x dB Bandwidth</b>	35.217 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.18. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:18826|18997, 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
1879.9	99	26	0.68	Peak	32.74	35.12	35	Pass

**Agilent** 21:08:08 Apr 15, 2025

**Ch Freq** 1.8799 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.879 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>32.7369 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	176.477 kHz	
<b>x dB Bandwidth</b>	35.124 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.19. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:18801|18999, 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
1880	99	26	0.82	Peak	37.72	40.47	40	Pass

**Agilent** 21:08:40 Apr 15, 2025

**Ch Freq** 1.88 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.880 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 %
<b>37.7206 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	14.822 kHz	
<b>x dB Bandwidth</b>	40.472 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

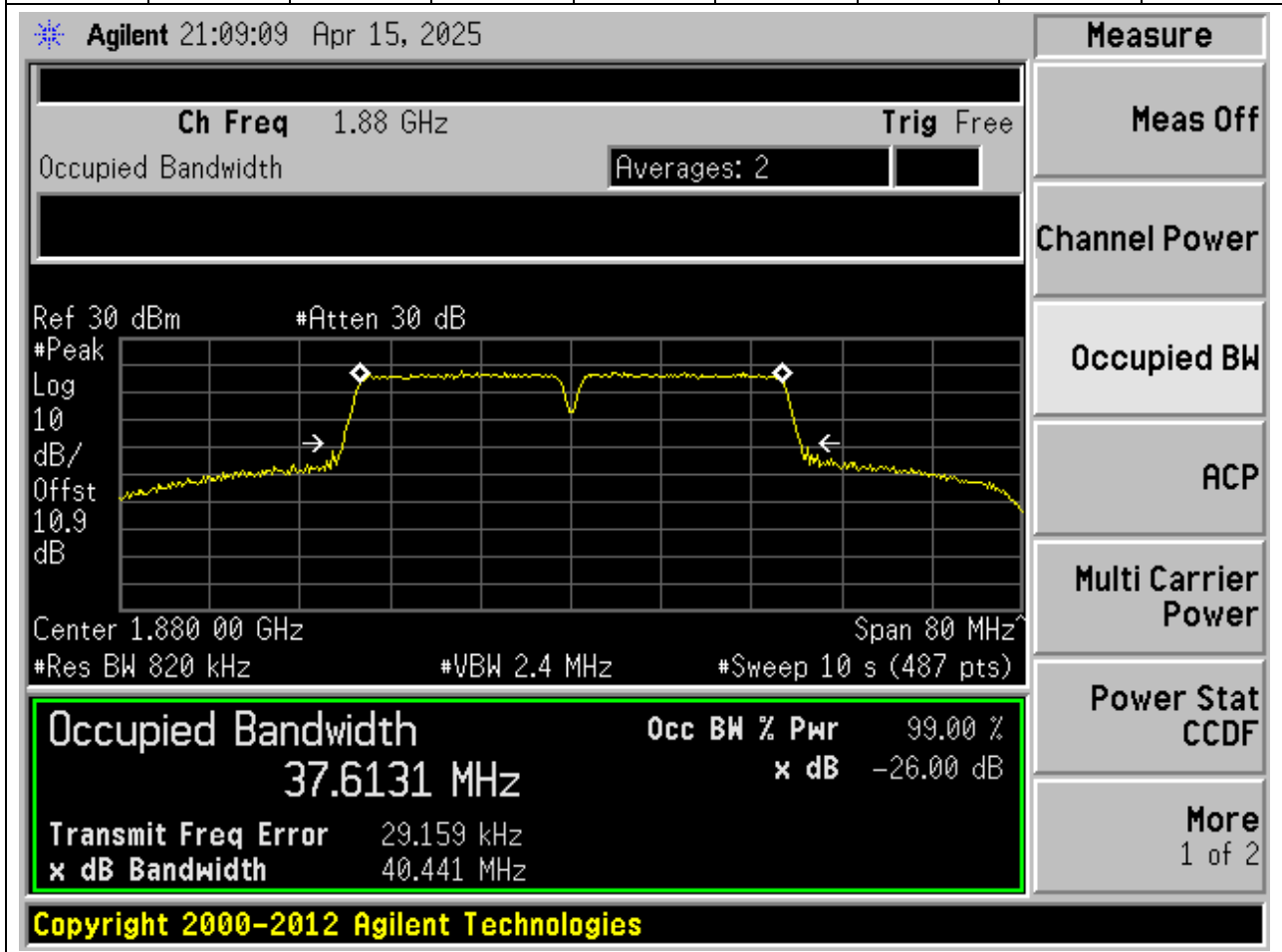
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

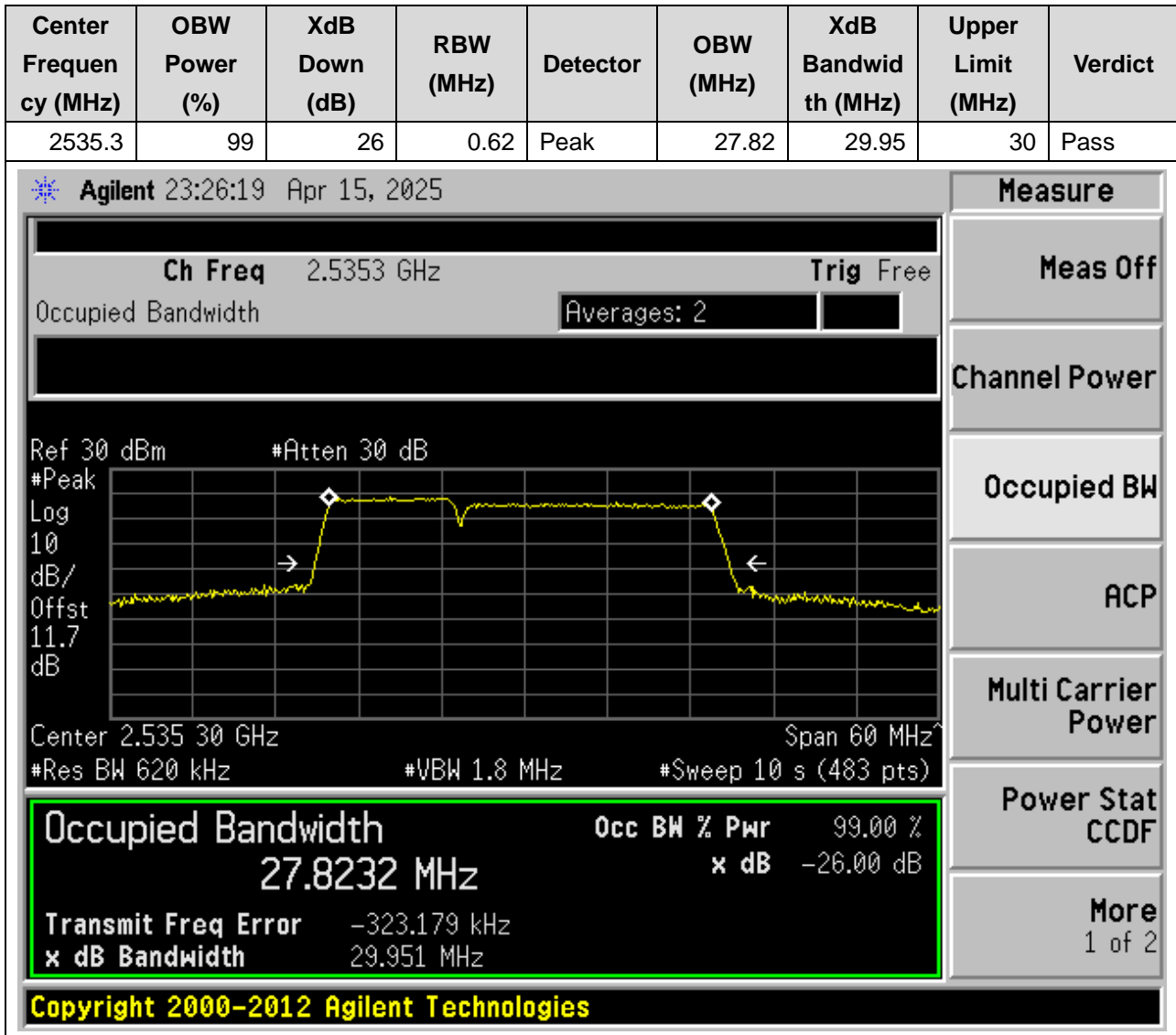
**1.20. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:18801|18999, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.82	Peak	37.61	40.44	40	Pass



## 2. CA\_7C

2.1. 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)





**2.2. 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	27.79	29.82	30	Pass

**Agilent** 23:26:48 Apr 15, 2025

**Ch Freq** 2.5353 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 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>27.7875 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-326.369 kHz	
<b>x dB Bandwidth</b>	29.821 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.3. 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	27.84	29.92	30	Pass

**Agilent** 23:27:35 Apr 15, 2025

**Ch Freq** 2.5348 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.53480 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>27.8352 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	344.629 kHz	
<b>x dB Bandwidth</b>	29.923 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.4. 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	27.83	29.81	30	Pass

**Agilent** 23:28:04 Apr 15, 2025

**Ch Freq** 2.5348 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.53480 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>27.8261 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	347.460 kHz	
<b>x dB Bandwidth</b>	29.809 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.5. 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	28.4	30.63	30	Pass

**Agilent** 23:28:51 Apr 15, 2025

**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 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 %
28.3975 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	10.404 kHz	
<b>x dB Bandwidth</b>	30.629 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.6. 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	28.41	30.63	30	Pass

**Agilent** 23:29:21 Apr 15, 2025

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 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 %
28.4054 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-943.249 Hz	
<b>x dB Bandwidth</b>	30.630 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.7. 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	32.72	35.14	35	Pass

**Agilent** 23:29:53 Apr 15, 2025

**Ch Freq** 2.5351 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 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>32.7182 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-185.020 kHz	
<b>x dB Bandwidth</b>	35.137 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.8. 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	32.69	35.11	35	Pass

**Agilent** 23:30:22 Apr 15, 2025

**Ch Freq** 2.5351 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 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>32.6863 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-160.406 kHz	
<b>x dB Bandwidth</b>	35.110 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.9. 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	32.66	35.08	35	Pass

**Agilent** 23:31:09 Apr 15, 2025

**Ch Freq** 2.5349 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.53490 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>32.6641 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	156.790 kHz	
<b>x dB Bandwidth</b>	35.076 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2



**2.10. 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	32.67	35.02	35	Pass

**Agilent** 23:31:38 Apr 15, 2025

**Ch Freq** 2.5349 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.53490 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>32.6712 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	167.222 kHz	
<b>x dB Bandwidth</b>	35.020 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.11. 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	37.63	40.42	40	Pass

**Agilent** 23:32:11 Apr 15, 2025

**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 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 %
<b>37.6286 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-17.778 kHz	
<b>x dB Bandwidth</b>	40.425 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**2.12. 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	37.59	40.33	40	Pass

**Agilent** 23:32:40 Apr 15, 2025

**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 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 %
<b>37.5862 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	3.380 kHz	
<b>x dB Bandwidth</b>	40.335 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

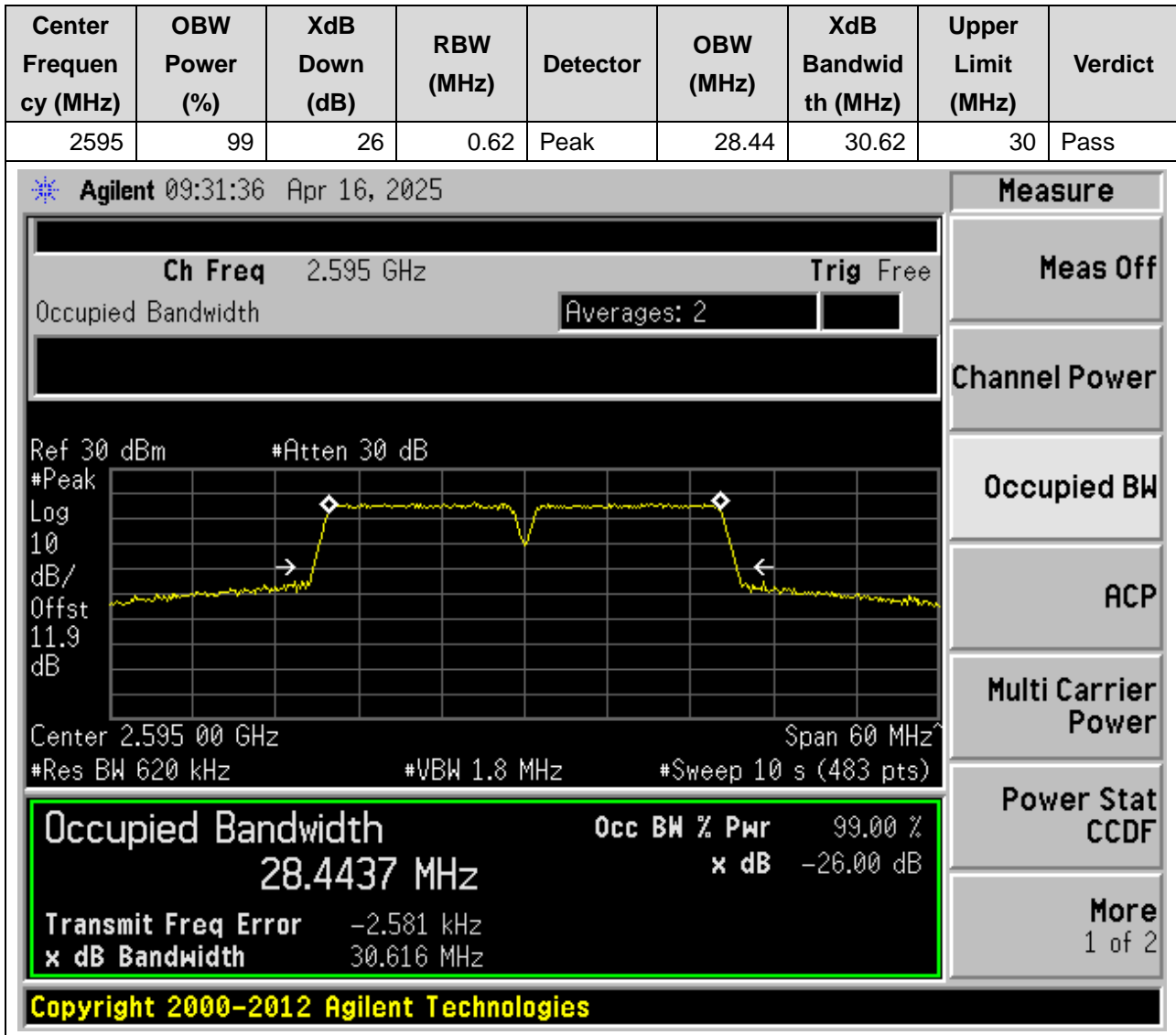
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

### 3. CA\_38C

3.1. 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)



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.62	Peak	28.47	30.62	30	Pass

**Agilent** 09:32:05 Apr 16, 2025

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

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.595 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.4738 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-18.525 kHz	
<b>x dB Bandwidth</b>	30.620 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-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	37.72	40.43	40	Pass

**Agilent** 09:32:41 Apr 16, 2025

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.595 00 GHz Span 80 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>37.7208 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	48.522 kHz	
<b>x dB Bandwidth</b>	40.432 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.4. 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	37.65	40.47	40	Pass

**Agilent** 09:33:10 Apr 16, 2025

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.595 00 GHz Span 80 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>37.6463 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	15.935 kHz	
<b>x dB Bandwidth</b>	40.470 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

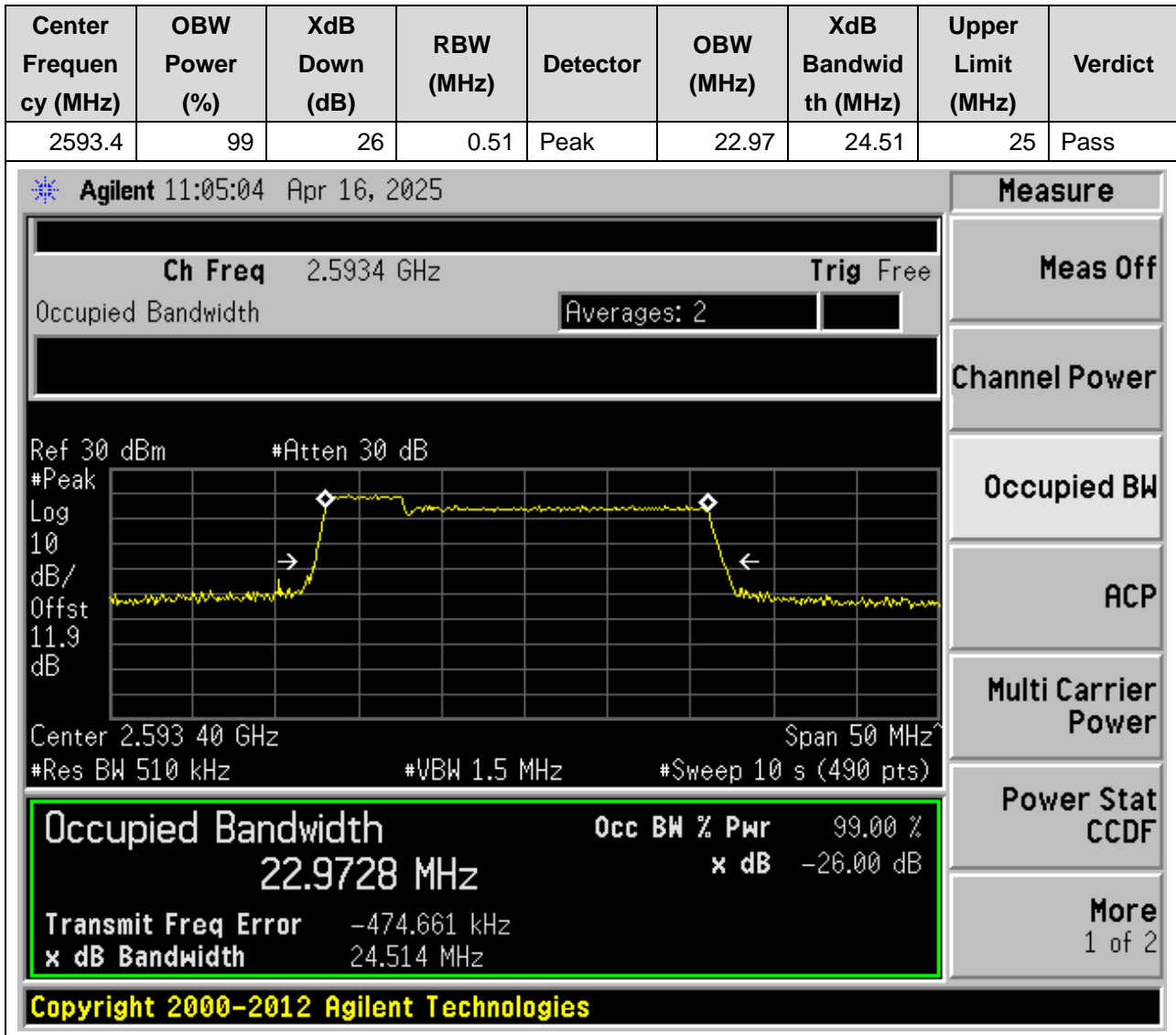
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

## 4. CA\_41C\_full

4.1. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:40528|40645, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)





**4.2. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2,  
Channel:40528|40645, Bandwidth:5|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.4	99	26	0.51	Peak	22.93	24.44	25	Pass

Agilent 11:05:33 Apr 16, 2025

Ch Freq 2.5934 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.59340 GHz Span 50 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
22.9321 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-494.117 kHz	
<b>x dB Bandwidth</b>	24.443 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

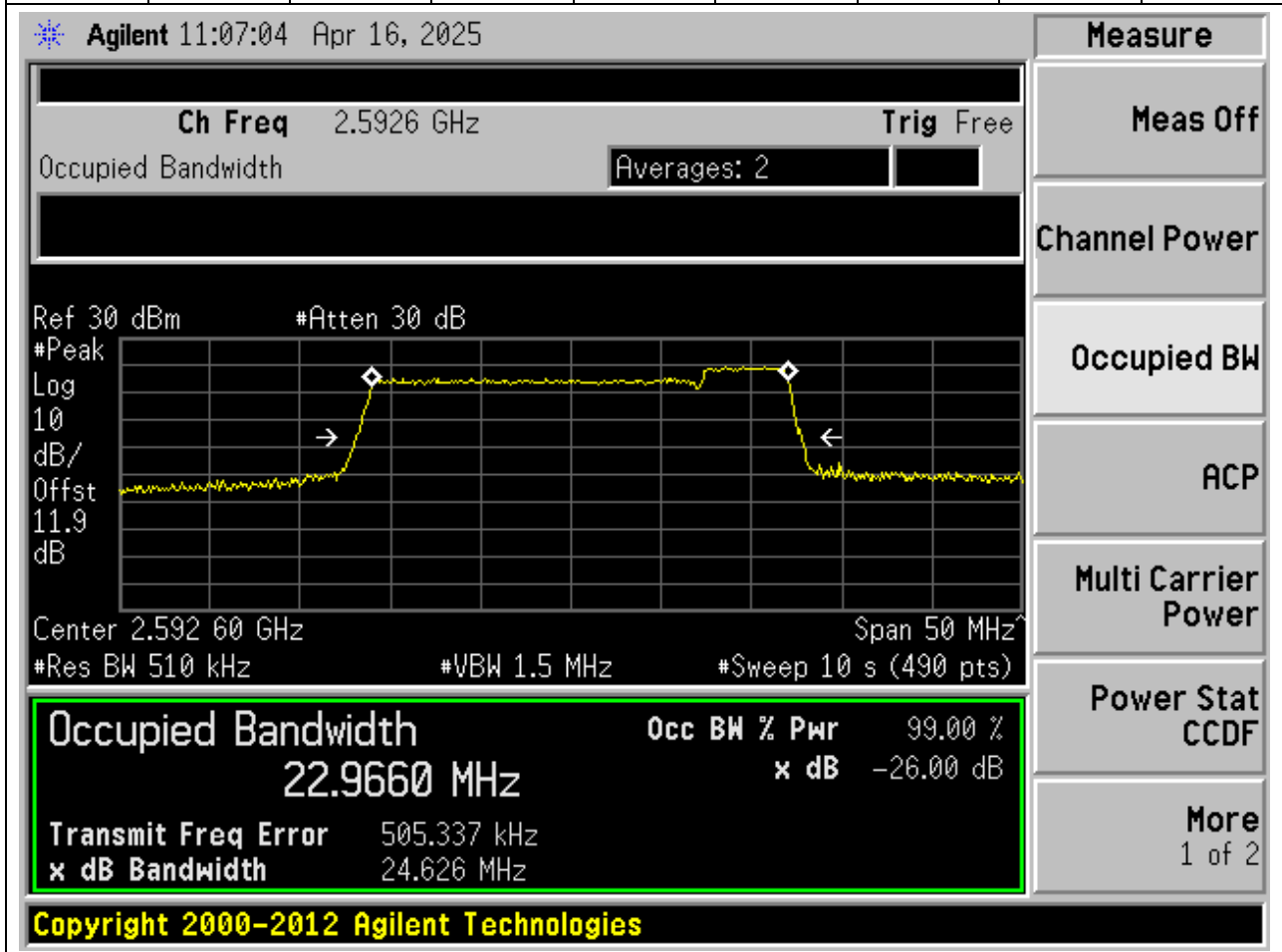
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.3. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:40595|40712, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.6	99	26	0.51	Peak	22.97	24.63	25	Pass



**4.4. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:40595|40712, Bandwidth:20|5MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.6	99	26	0.51	Peak	22.94	24.42	25	Pass

**Agilent** 11:07:33 Apr 16, 2025

**Ch Freq** 2.5926 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.592 60 GHz Span 50 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>22.9427 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	508.972 kHz	
<b>x dB Bandwidth</b>	24.421 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.5. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:40526|40670, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.3	99	26	0.62	Peak	27.88	29.98	30	Pass

**Agilent** 11:10:38 Apr 16, 2025

**Ch Freq** 2.5933 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 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>27.8770 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-308.891 kHz	
<b>x dB Bandwidth</b>	29.978 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.6. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6,  
Channel:40526|40670, Bandwidth:10|20MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.3	99	26	0.62	Peak	27.85	29.81	30	Pass

**Agilent** 11:11:08 Apr 16, 2025

**Ch Freq** 2.5933 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 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>27.8500 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-299.077 kHz	
<b>x dB Bandwidth</b>	29.807 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

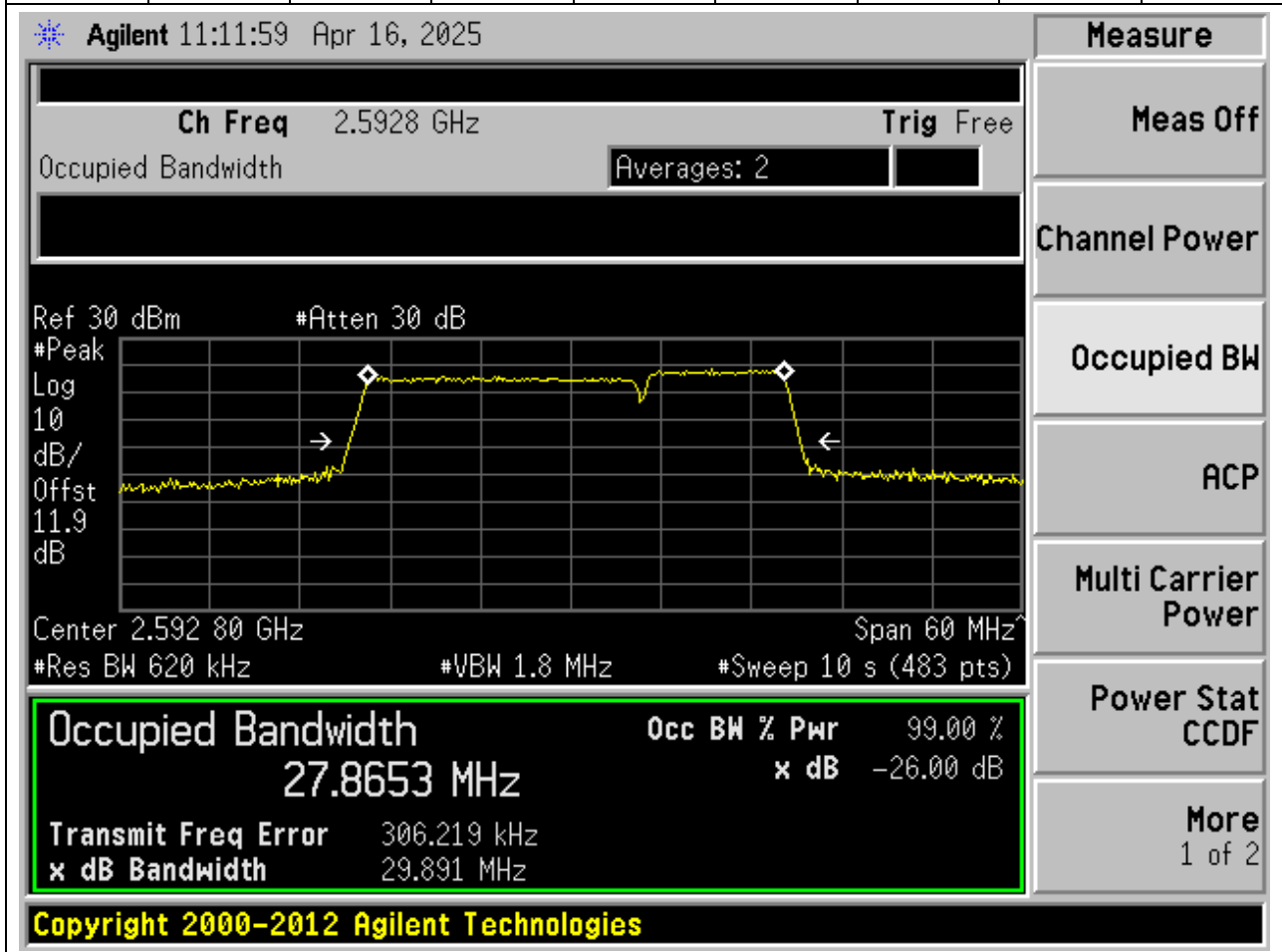
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.7. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7,  
Channel:40571|40715, Bandwidth:20|10MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.8	99	26	0.62	Peak	27.87	29.89	30	Pass



**4.8. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8,  
Channel:40571|40715, Bandwidth:20|10MHz, Modulation:16QAM, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.8	99	26	0.62	Peak	27.82	29.8	30	Pass

**Agilent** 11:12:27 Apr 16, 2025

**Ch Freq** 2.5928 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.592 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>27.8199 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	332.933 kHz	
<b>x dB Bandwidth</b>	29.803 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.9. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9,  
Channel:40545|40695, Bandwidth:15|15MHz, Modulation:QPSK, RB  
Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.62	Peak	28.41	30.58	30	Pass

Agilent 11:13:31 Apr 16, 2025

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
28.4090 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	2.004 kHz	
<b>x dB Bandwidth</b>	30.577 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2



**4.10. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:40545|40695, Bandwidth:15|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.62	Peak	28.42	30.57	30	Pass

**Agilent** 11:14:00 Apr 16, 2025

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

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 00 GHz Span 60 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>28.4202 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-17.090 kHz	
<b>x dB Bandwidth</b>	30.568 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.11. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:40523|40694, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.1	99	26	0.68	Peak	32.71	35.13	35	Pass

**Agilent** 11:14:32 Apr 16, 2025

Ch Freq 2.5931 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 10 GHz Span 70 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
32.7148 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	-161.770 kHz	
<b>x dB Bandwidth</b>	35.130 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**4.12. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:40523|40694, Bandwidth:15|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593.1	99	26	0.68	Peak	32.74	35.08	35	Pass

**Agilent** 11:15:01 Apr 16, 2025

**Ch Freq** 2.5931 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 10 GHz Span 70 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>32.7368 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	-169.245 kHz	
<b>x dB Bandwidth</b>	35.080 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.13. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:40546|40717, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.9	99	26	0.68	Peak	32.74	35.11	35	Pass

**Agilent** 11:16:34 Apr 16, 2025

**Ch Freq** 2.5929 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.592 90 GHz Span 70 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>32.7424 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	170.543 kHz	
<b>x dB Bandwidth</b>	35.111 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.14. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:40546|40717, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2592.9	99	26	0.68	Peak	32.71	35.02	35	Pass

**Agilent** 11:17:03 Apr 16, 2025

**Ch Freq** 2.5929 GHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.592 90 GHz Span 70 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>32.7054 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	170.379 kHz	
<b>x dB Bandwidth</b>	35.025 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.15. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:40521|40719, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.82	Peak	37.67	40.33	40	Pass

**Agilent** 11:17:35 Apr 16, 2025

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

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 00 GHz Span 80 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>37.6683 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	16.115 kHz	
<b>x dB Bandwidth</b>	40.332 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**4.16. LTE-A Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:40521|40719, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.82	Peak	37.65	40.39	40	Pass

**Agilent** 11:18:04 Apr 16, 2025

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

Occupied Bandwidth **Averages: 2**

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 dB

Center 2.593 00 GHz Span 80 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>37.6535 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	5.913 kHz	
<b>x dB Bandwidth</b>	40.385 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

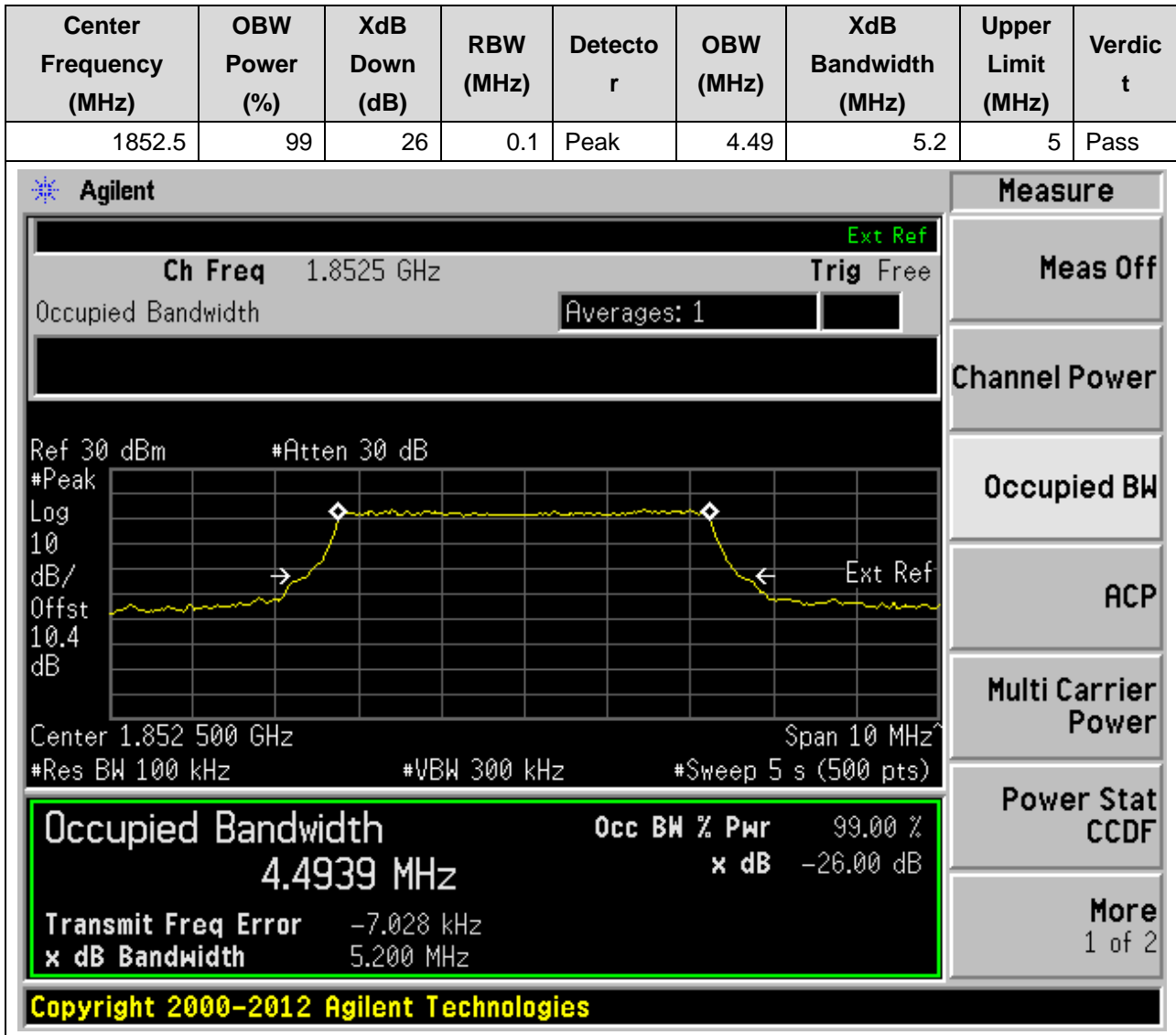
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

## 1. n2

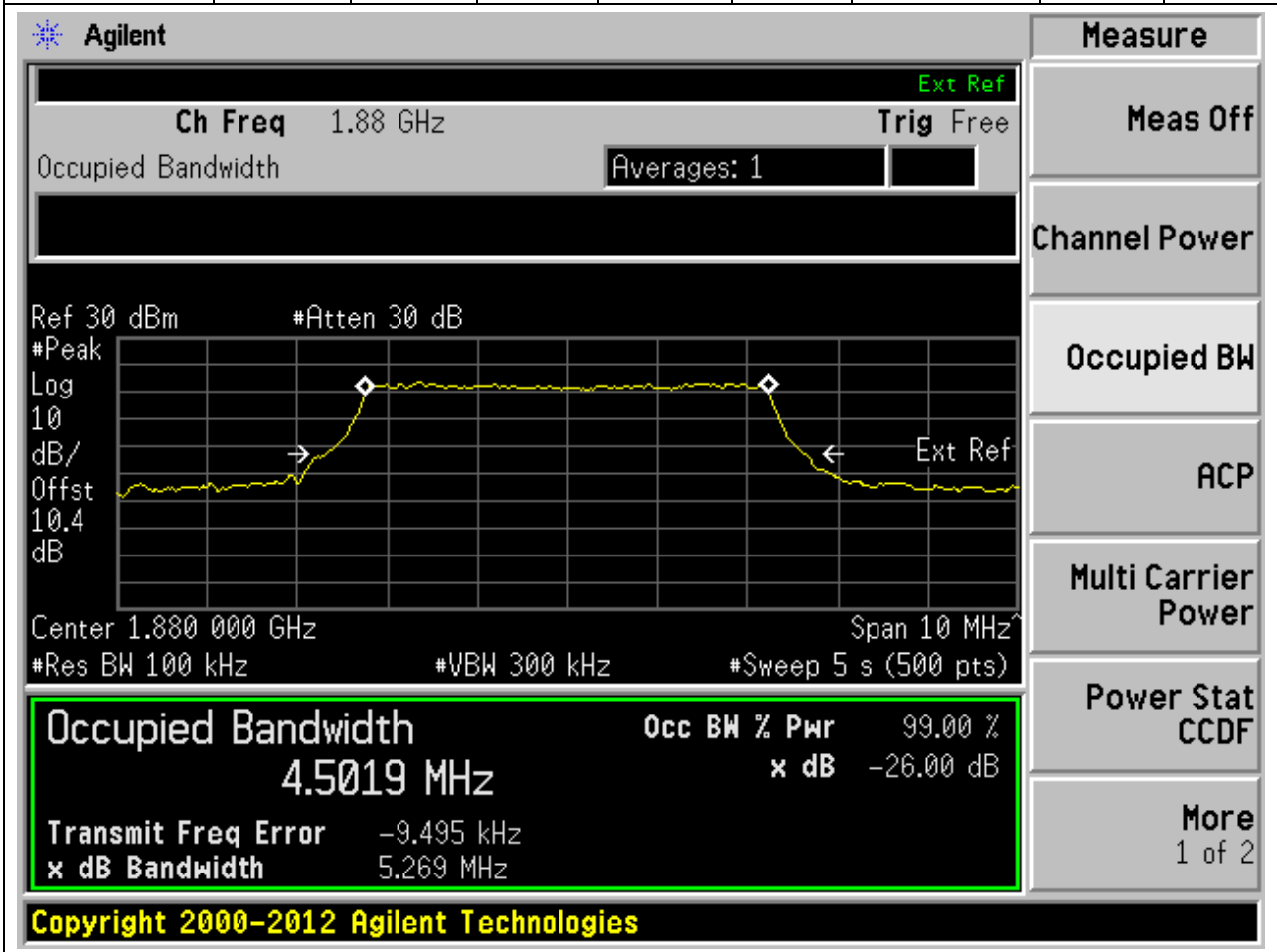
### 1.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:370500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)





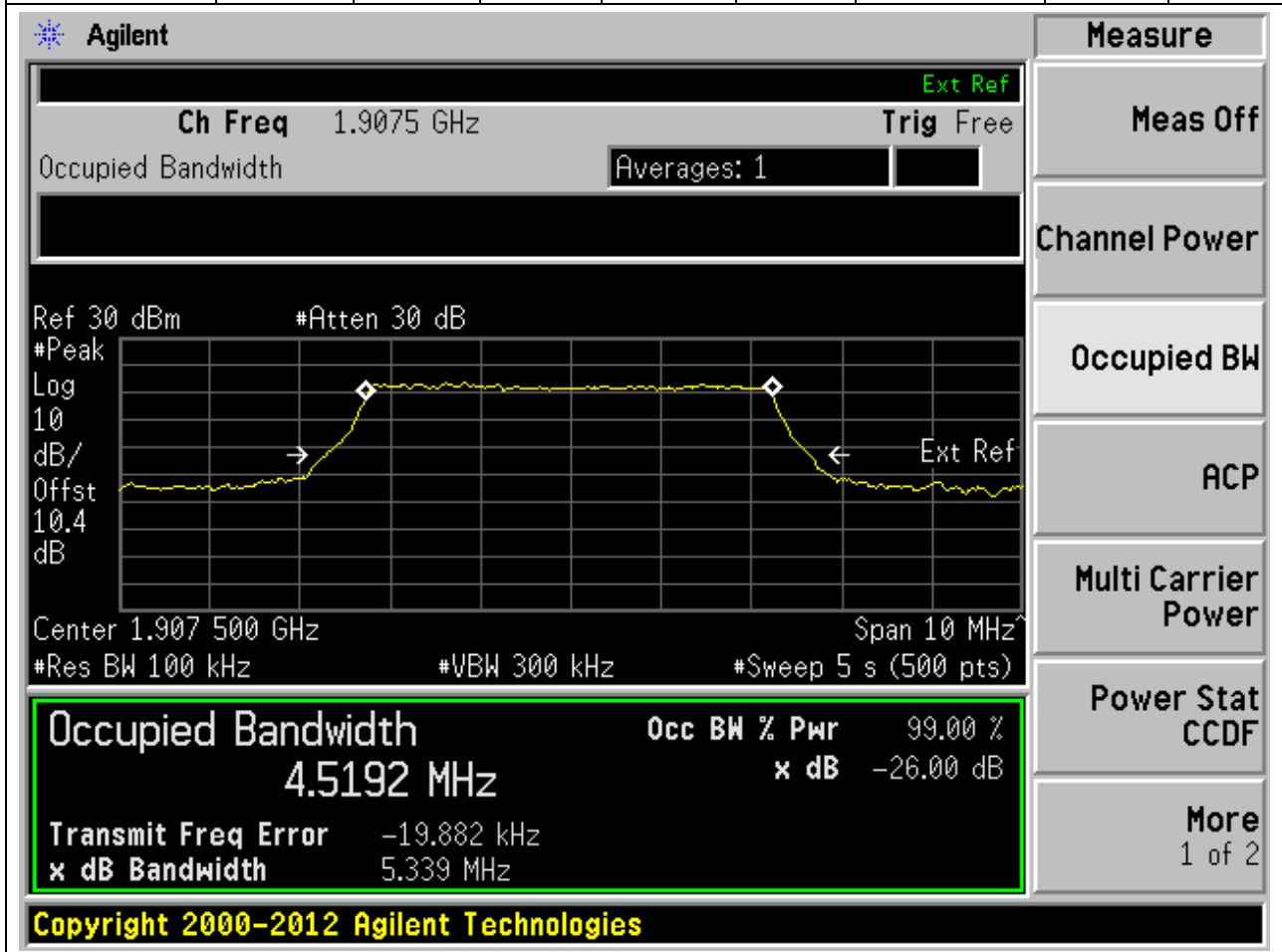
**1.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.5	5.27	5	Pass



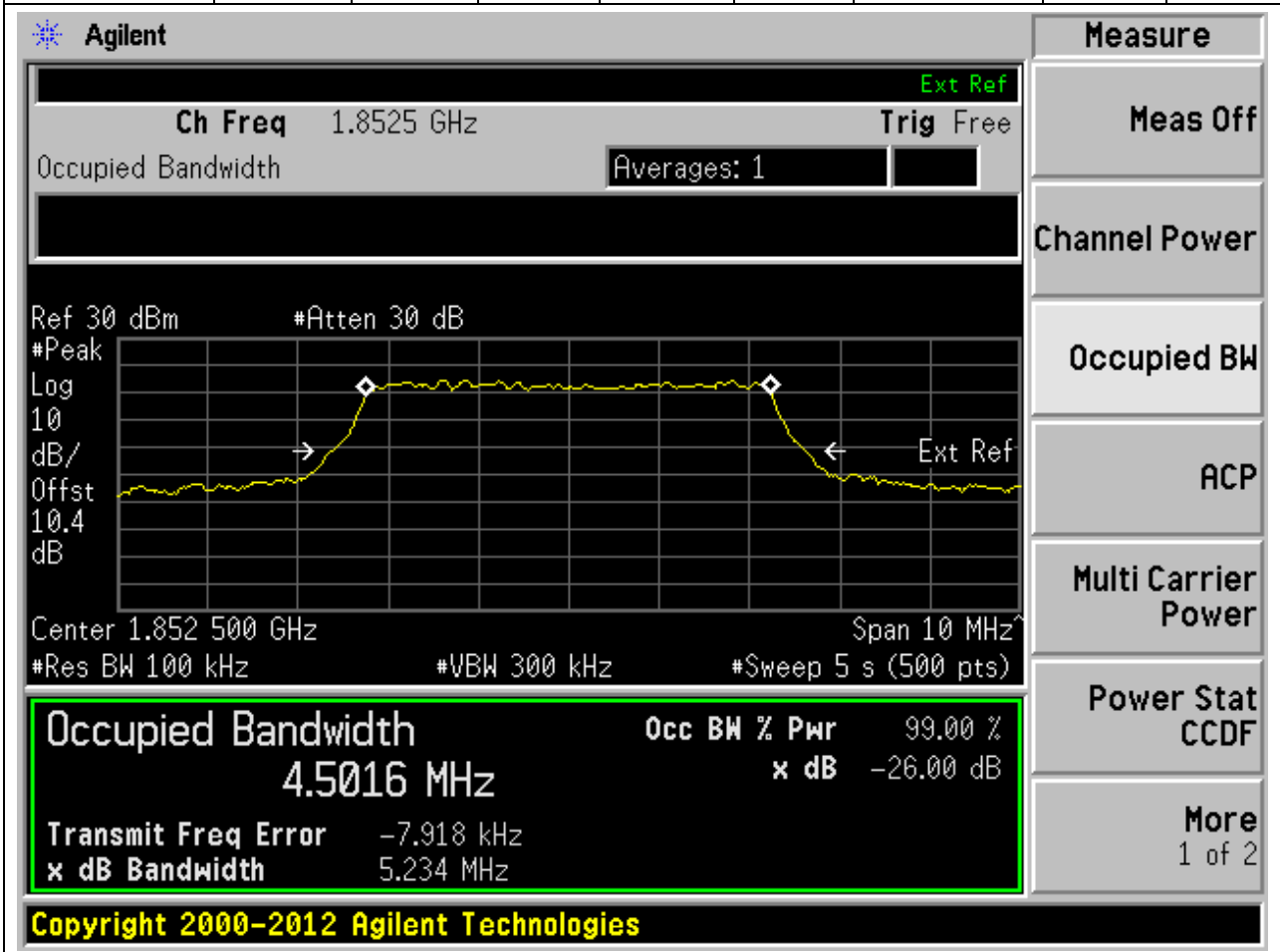
**1.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.52	5.34	5	Pass



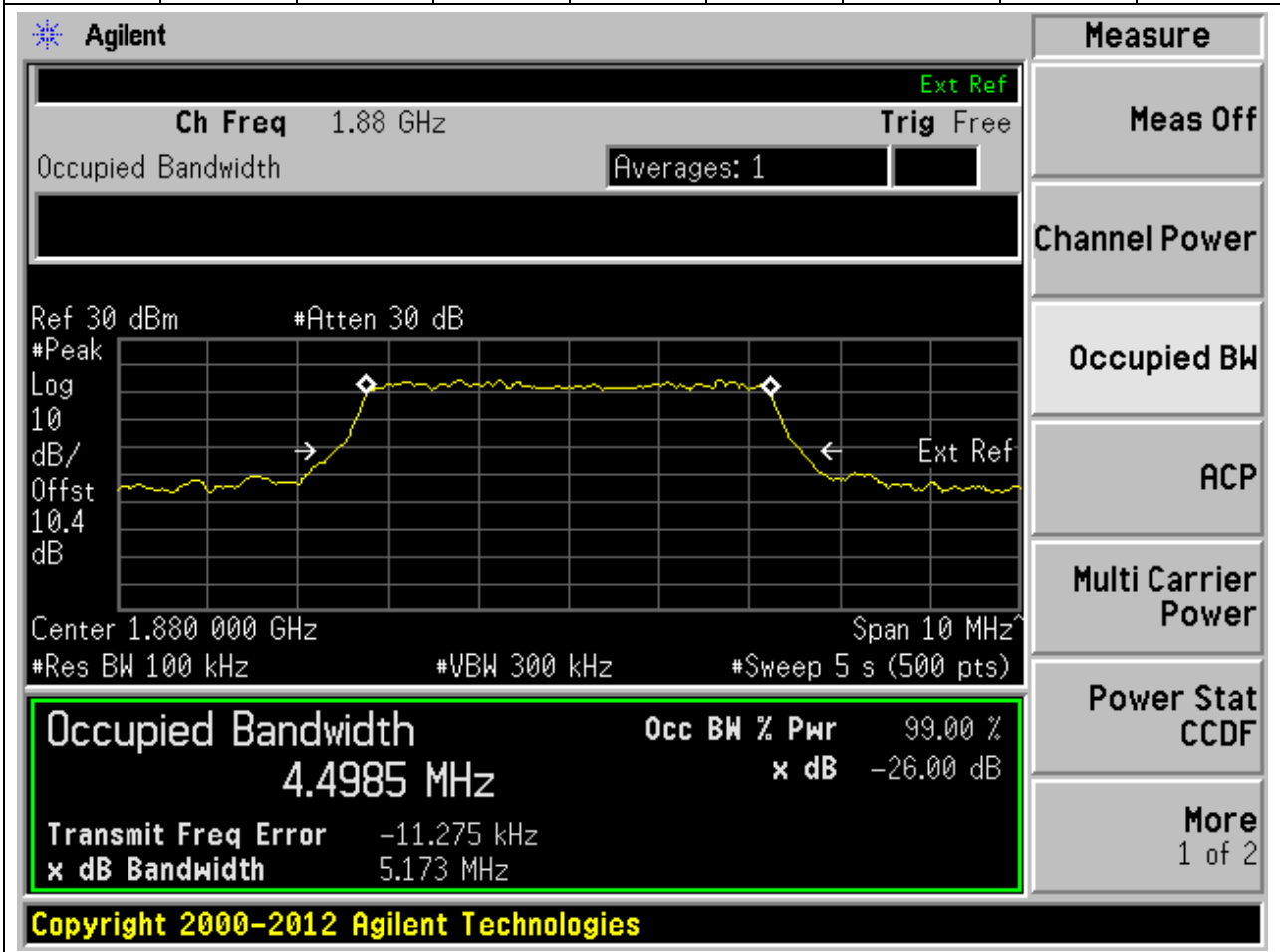
**1.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:370500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.5	5.23	5	Pass



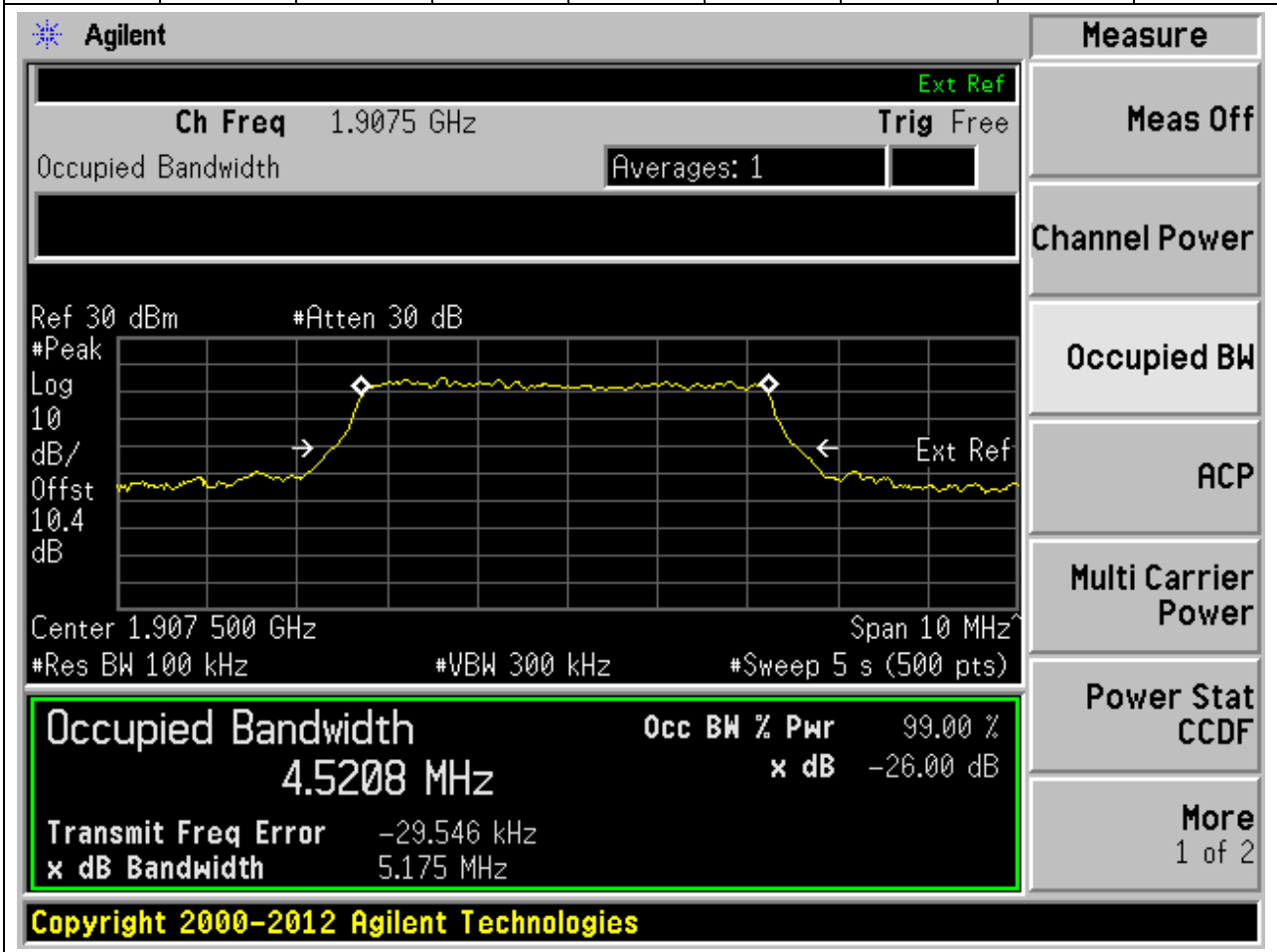
**1.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.5	5.17	5	Pass



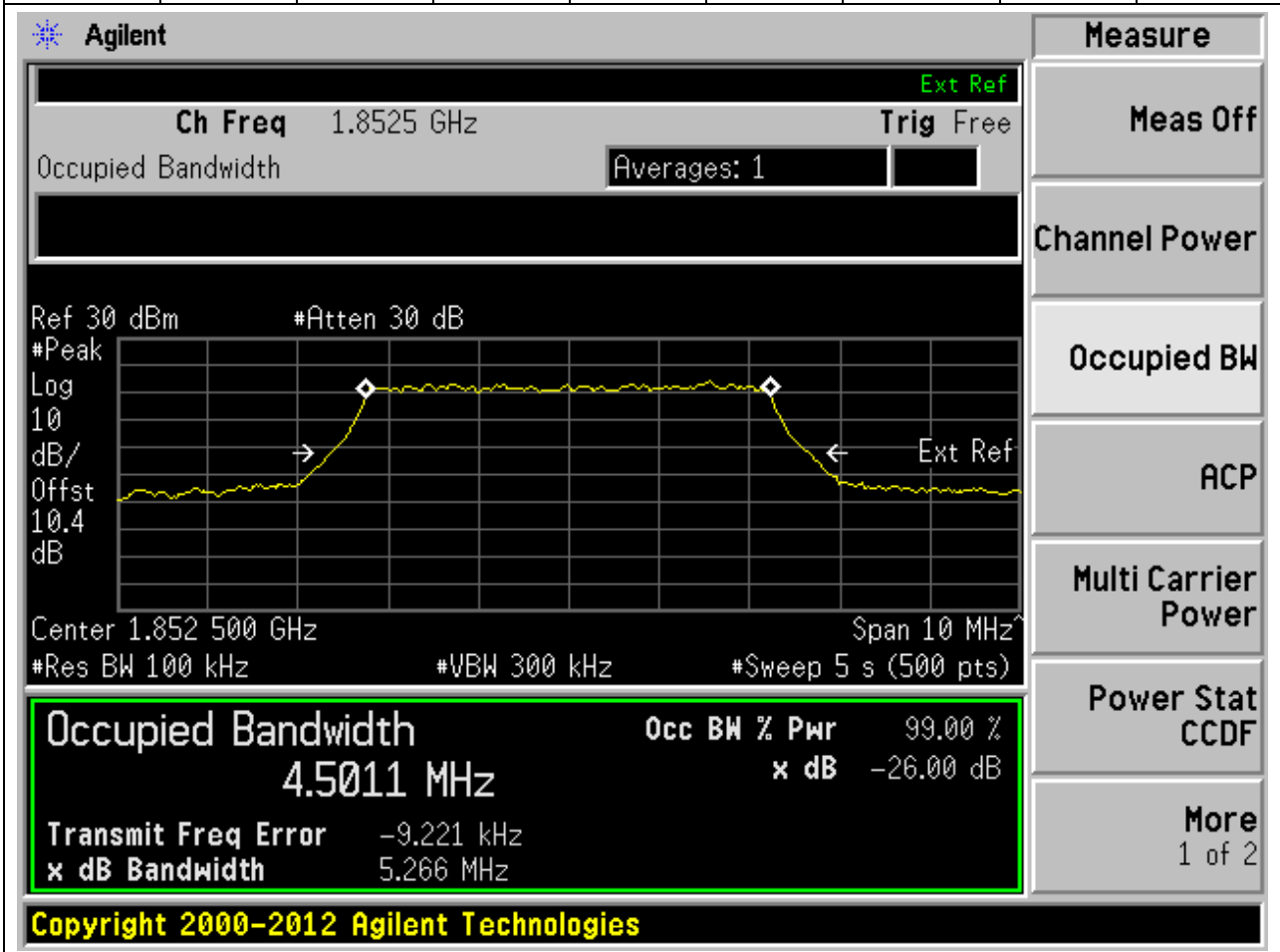
**1.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.52	5.18	5	Pass



**1.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:370500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.27	5	Pass



**1.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	5.28	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 1.88 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted in green as 4.5036 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 information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5036 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -12.958 kHz  
 x dB Bandwidth: 5.276 MHz

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**1.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	5.32	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and the x-axis is 'Center'. The plot shows a signal with a peak at approximately 1.9075 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

**Occupied Bandwidth Measurement Results:**

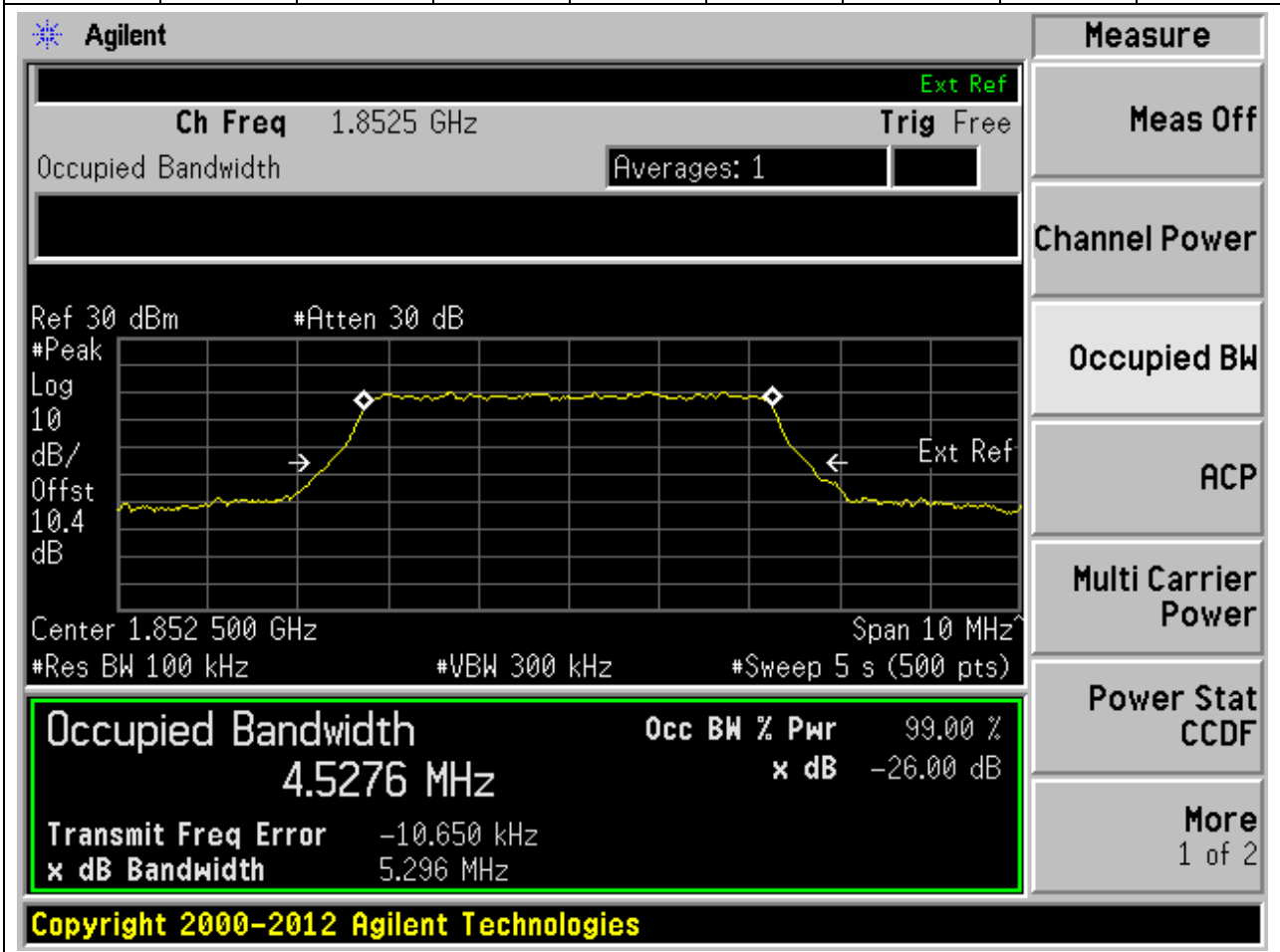
Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4996 MHz	x dB	-26.00 dB
Transmit Freq Error		-11.614 kHz
x dB Bandwidth		5.315 MHz

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**1.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:370500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.53	5.3	5	Pass



**1.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.51	5.27	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.88 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log', '10 dB/Offst', and '10.4 dB'. The plot shows a signal with a peak at approximately 1.88 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.5131 MHz. Other parameters shown include 'Center 1.880 000 GHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 5 s (500 pts)'. The 'Occupied Bandwidth' section also displays 'Occ BW % Pwr 99.00 %' and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error -13.745 kHz' and 'x dB Bandwidth 5.275 MHz'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

**1.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.52	5.27	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 results are as follows:

Measurement	Value
Occupied Bandwidth	4.5166 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.484 kHz
x dB Bandwidth	5.272 MHz

Other visible parameters include: Ch Freq 1.9075 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.907500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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**1.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.27	9.78	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 1.855 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2671 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -2.555 kHz, and the XdB bandwidth is 9.777 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2671 MHz	x dB	-26.00 dB
Transmit Freq Error		-2.555 kHz
x dB Bandwidth		9.777 MHz

**1.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.27	9.81	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 1.88 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2657 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -3.340 kHz, and the x dB bandwidth is 9.809 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2657 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.340 kHz	
x dB Bandwidth	9.809 MHz	

**1.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.27	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:

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2654 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include:

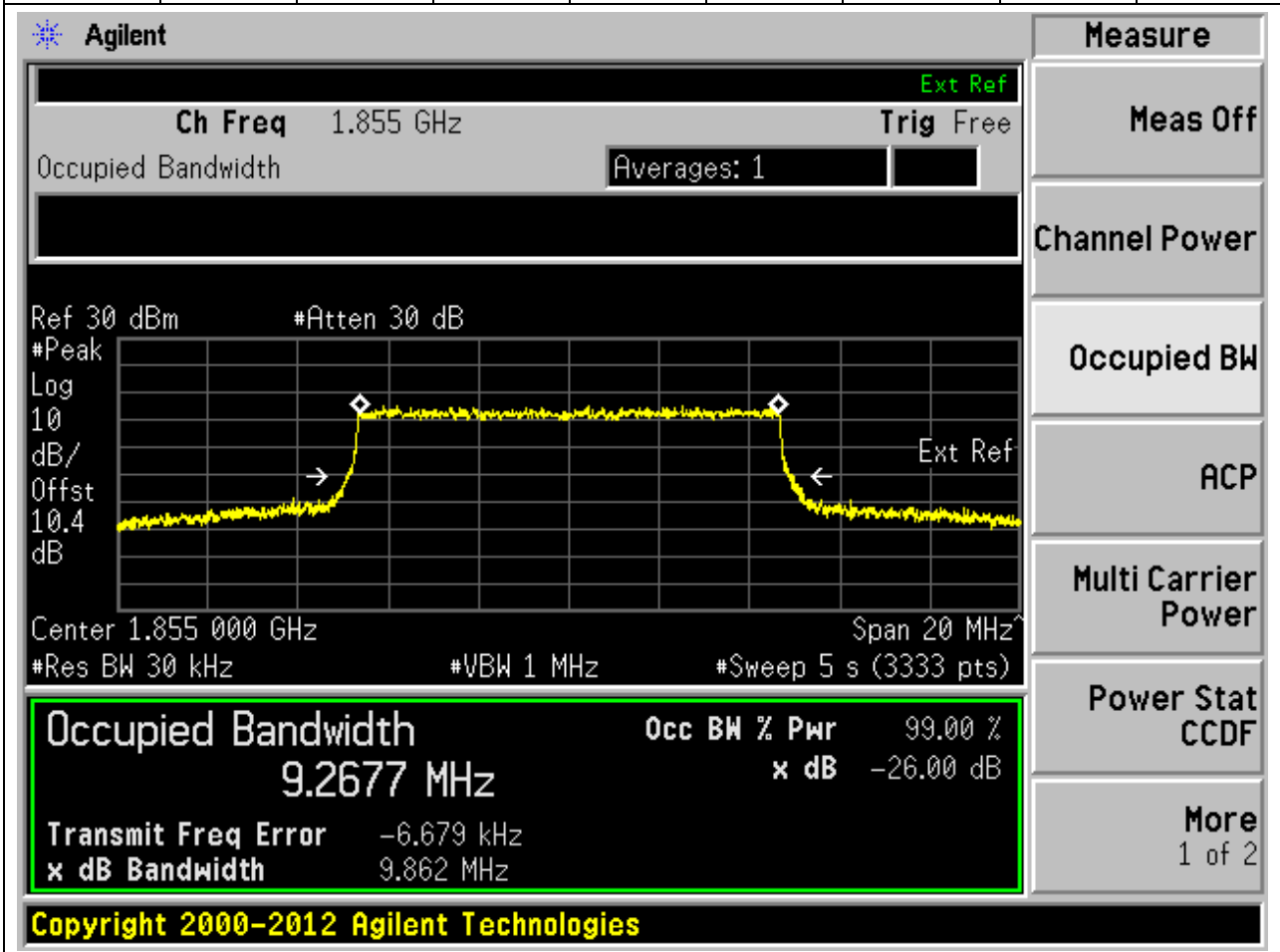
- Center Frequency: 1.905 GHz
- Span: 20 MHz
- Res BW: 30 kHz
- VBW: 1 MHz
- Sweep: 5 s (3333 pts)
- Ref: 30 dBm
- Atten: 30 dB
- Trig: Free
- Averages: 1
- Transmit Freq Error: -9.067 kHz
- x dB Bandwidth: 9.787 MHz

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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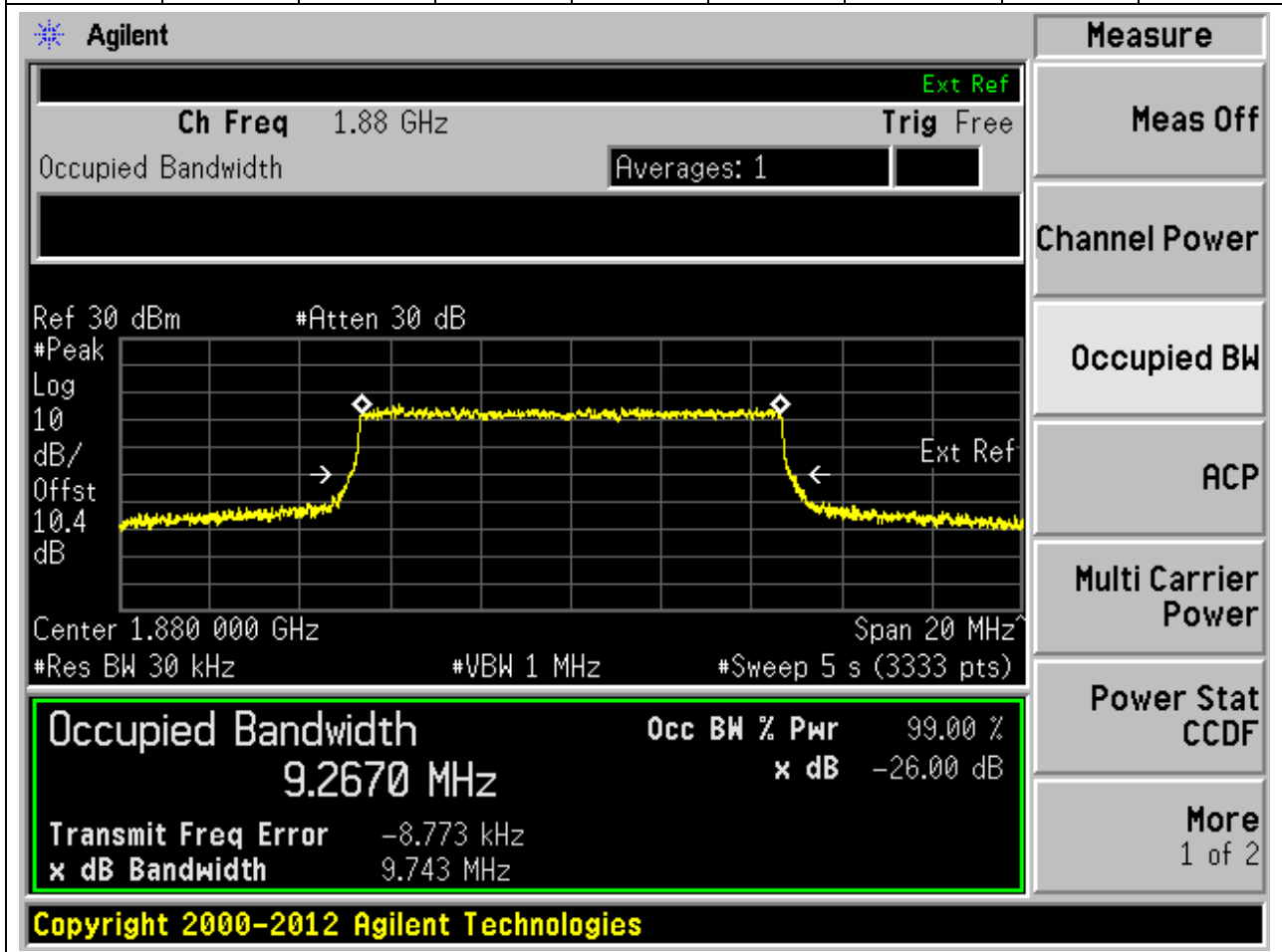
**1.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.03	Peak	9.27	9.86	10	Pass



**1.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

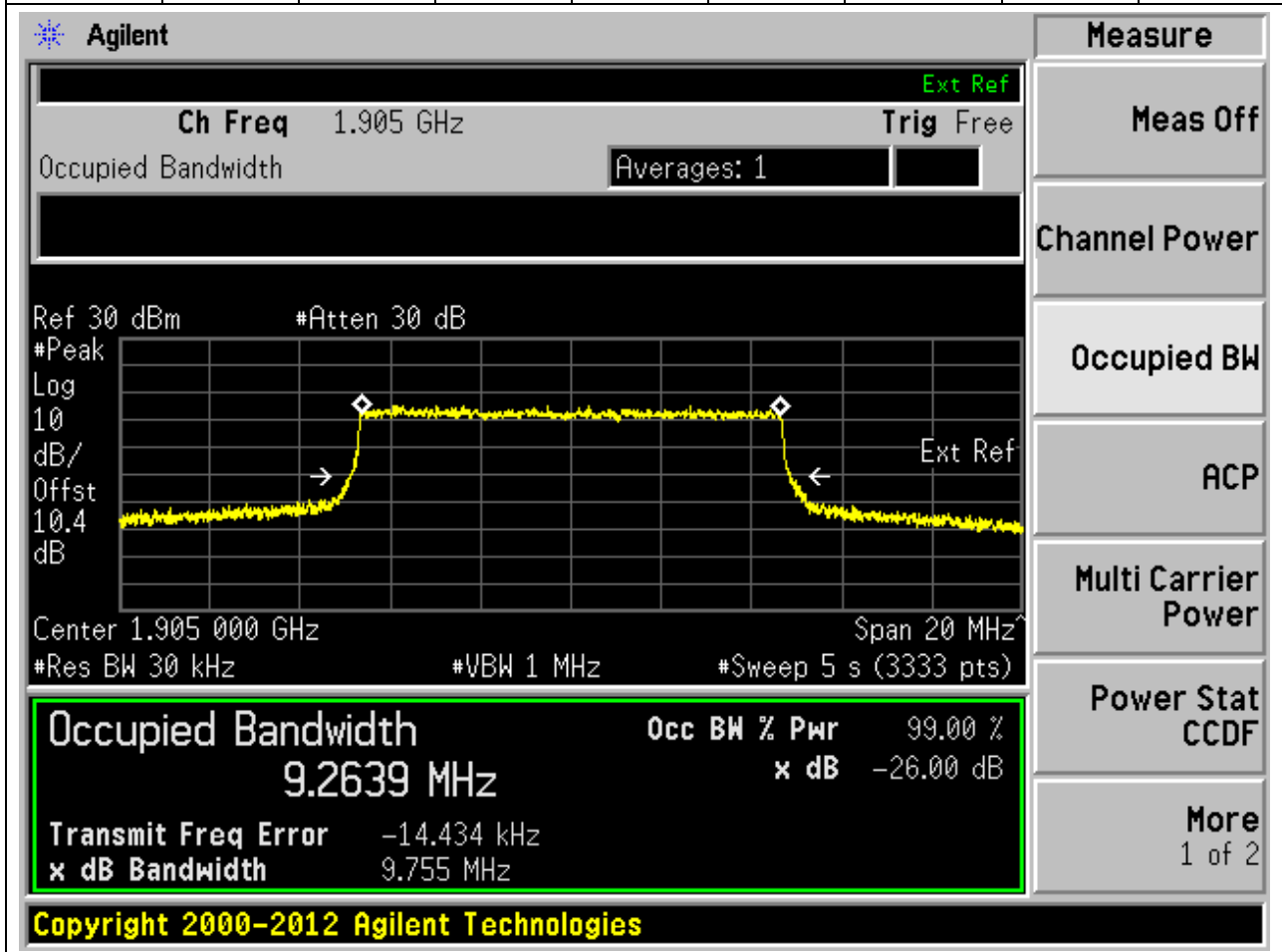
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	9.27	9.74	10	Pass





**1.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, 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	0.03	Peak	9.26	9.75	10	Pass



**1.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, 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	0.03	Peak	9.29	9.85	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.855 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow signal trace. The plot is labeled with 'Ref 30 dBm' and '#Atten 30 dB'. The y-axis is labeled '#Peak Log 10 dB/Offst 10.4 dB'. The x-axis is labeled 'Center 1.855 000 GHz' and 'Span 20 MHz'. The plot shows a signal with a peak at approximately 1.855 GHz. The signal is bounded by two white diamonds, and arrows point to them from the text 'Ext Ref'. Below the plot, the following parameters are displayed: '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (3333 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 9.2872 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, 'Transmit Freq Error -4.924 kHz' and 'x dB Bandwidth 9.854 MHz' are shown. On the right side of the interface, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom of the screenshot, the text 'Copyright 2000-2012 Agilent Technologies' is visible.

**1.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

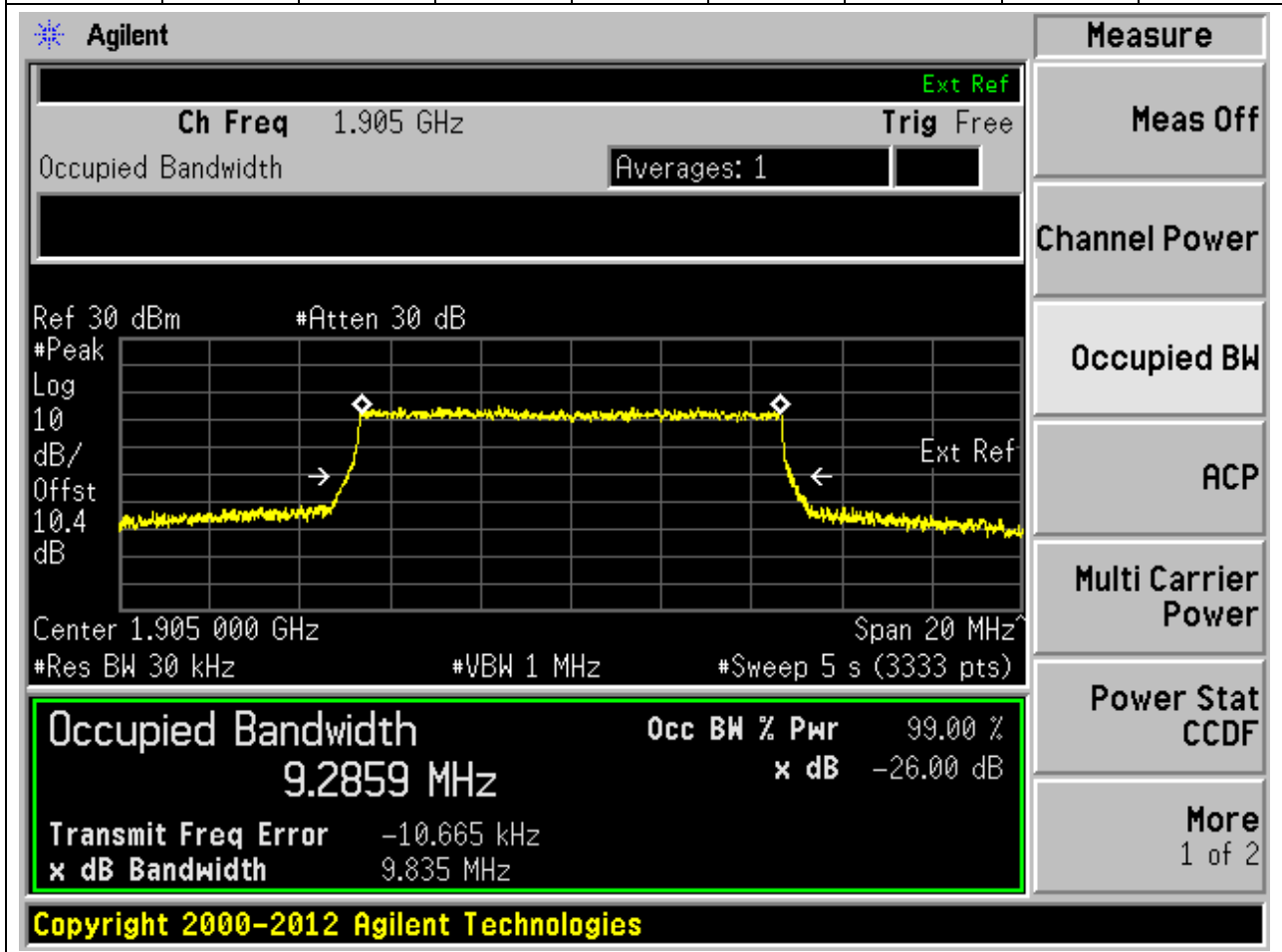
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	9.29	9.82	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.88 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2863 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -6.816 kHz, and the XdB bandwidth is 9.818 MHz. The interface includes a 'Measure' panel on the right with buttons for '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 %
9.2863 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.816 kHz	
x dB Bandwidth	9.818 MHz	

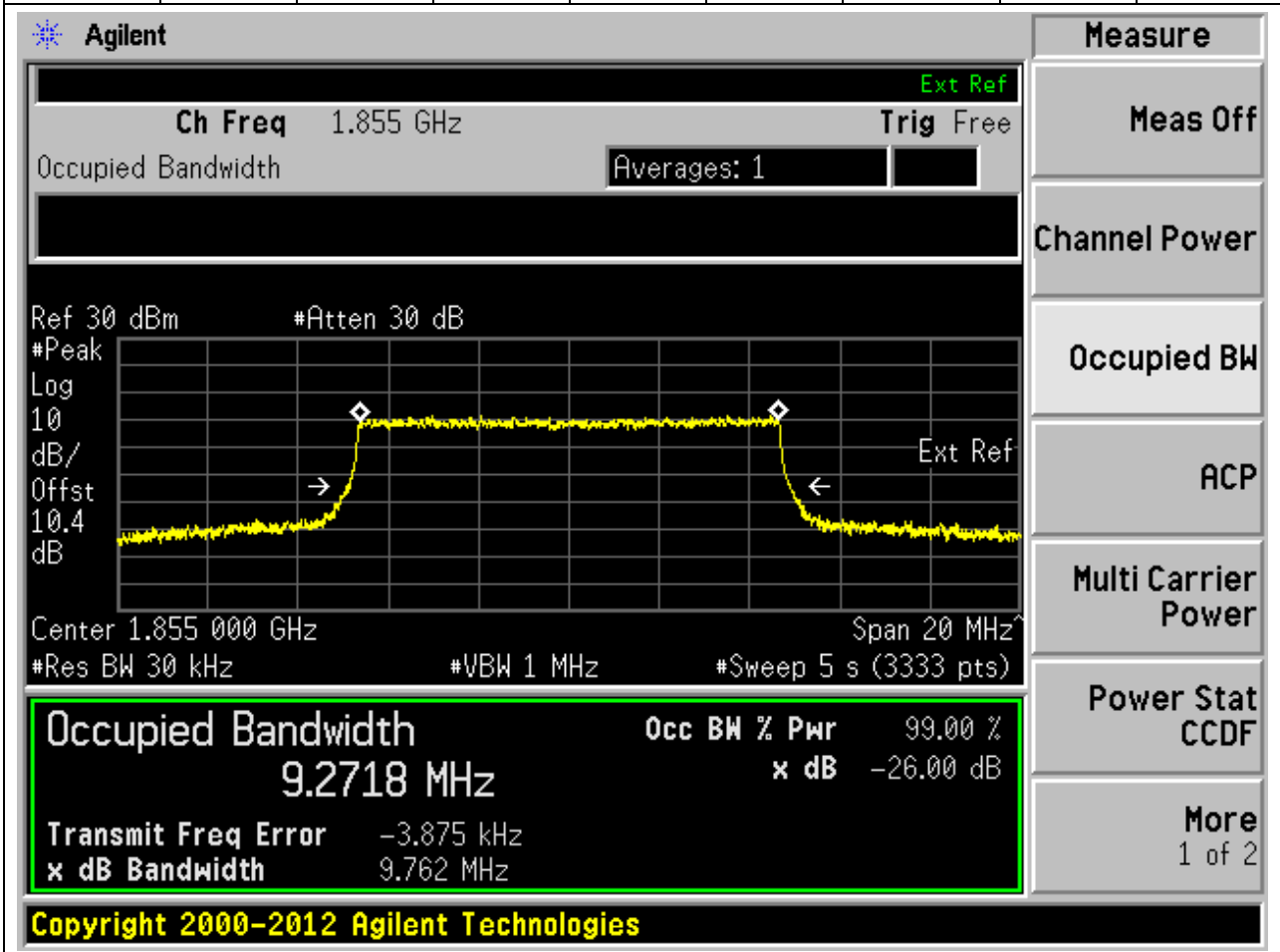
**1.21. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.03	Peak	9.29	9.84	10	Pass



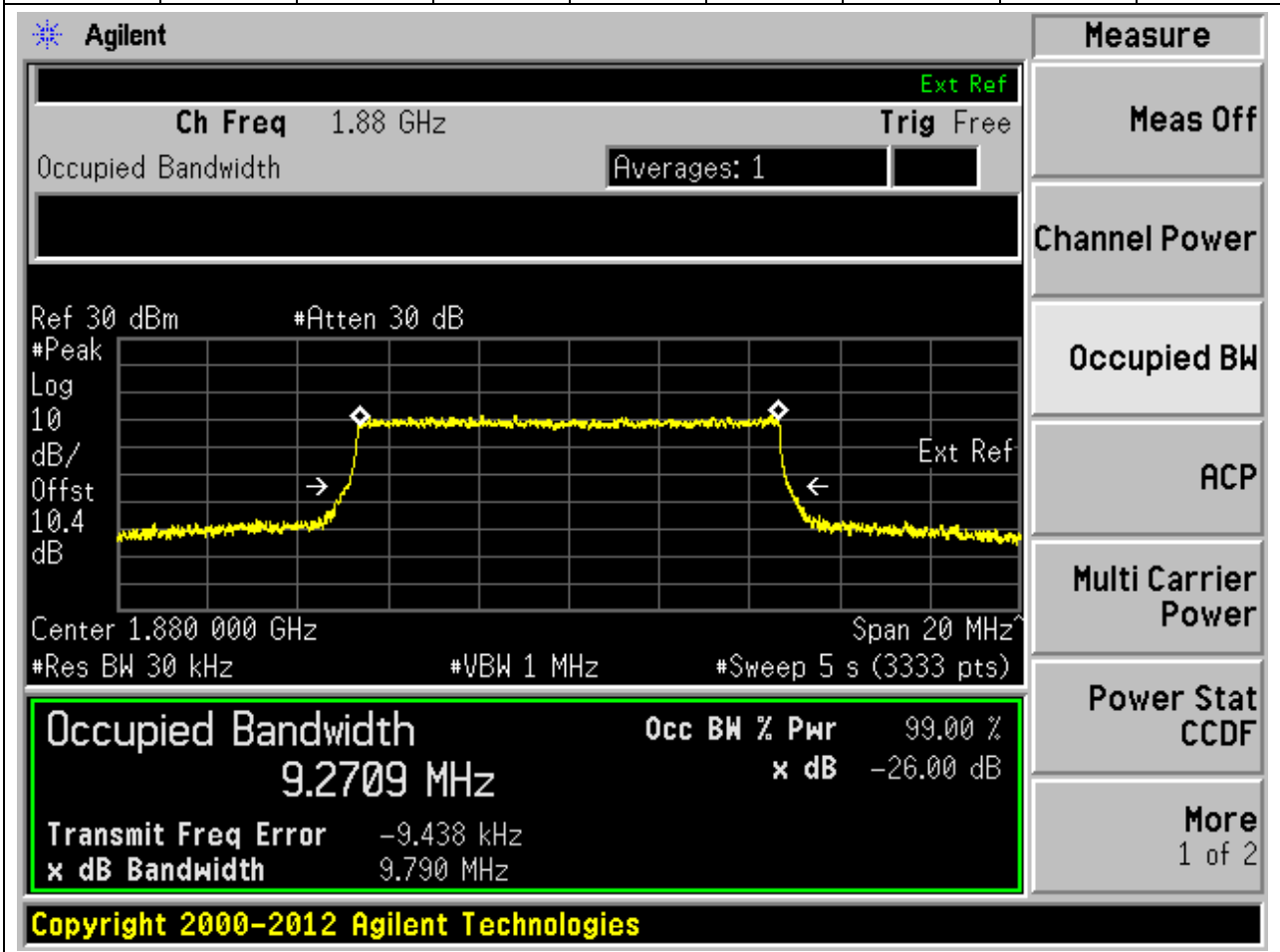
**1.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.03	Peak	9.27	9.76	10	Pass



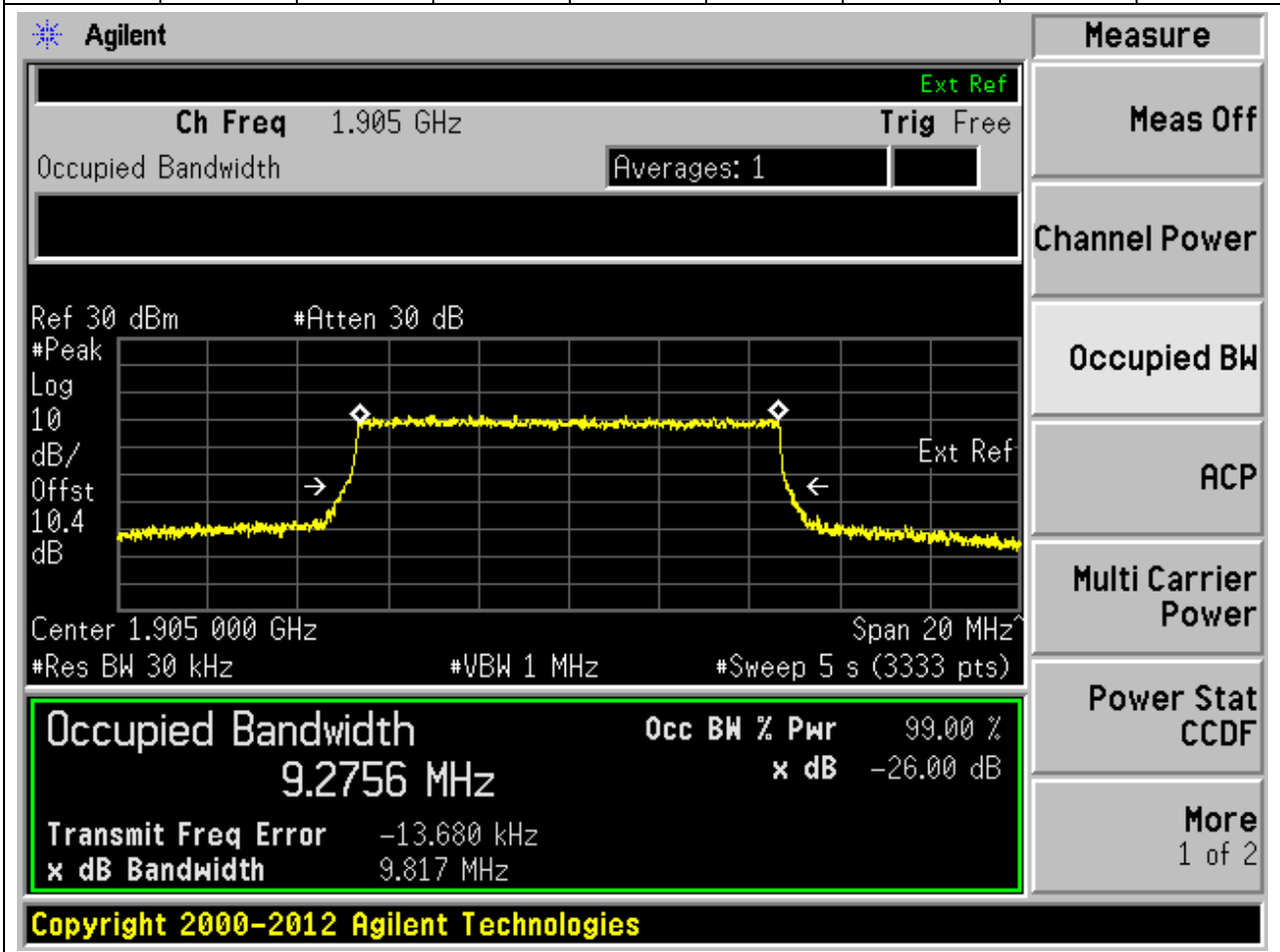
**1.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	9.27	9.79	10	Pass



**1.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:381000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, 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	0.03	Peak	9.28	9.82	10	Pass



**1.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, 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	0.03	Peak	14.09	14.75	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0877 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include:

- Center Frequency: 1.8575 GHz
- Span: 30 MHz
- Res BW: 30 kHz
- VBW: 1 MHz
- Sweep: 5 s (5000 pts)
- Ref: 30 dBm
- Atten: 30 dB
- Trig: Free
- Averages: 1

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'.



**1.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, 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	0.03	Peak	14.09	14.7	15	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 30 MHz. The occupied bandwidth is measured as 14.0895 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -2.041 kHz, and the x dB bandwidth is 14.700 MHz. The interface includes various measurement controls and a list of measurement options on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0895 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.041 kHz	
x dB Bandwidth	14.700 MHz	

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**1.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

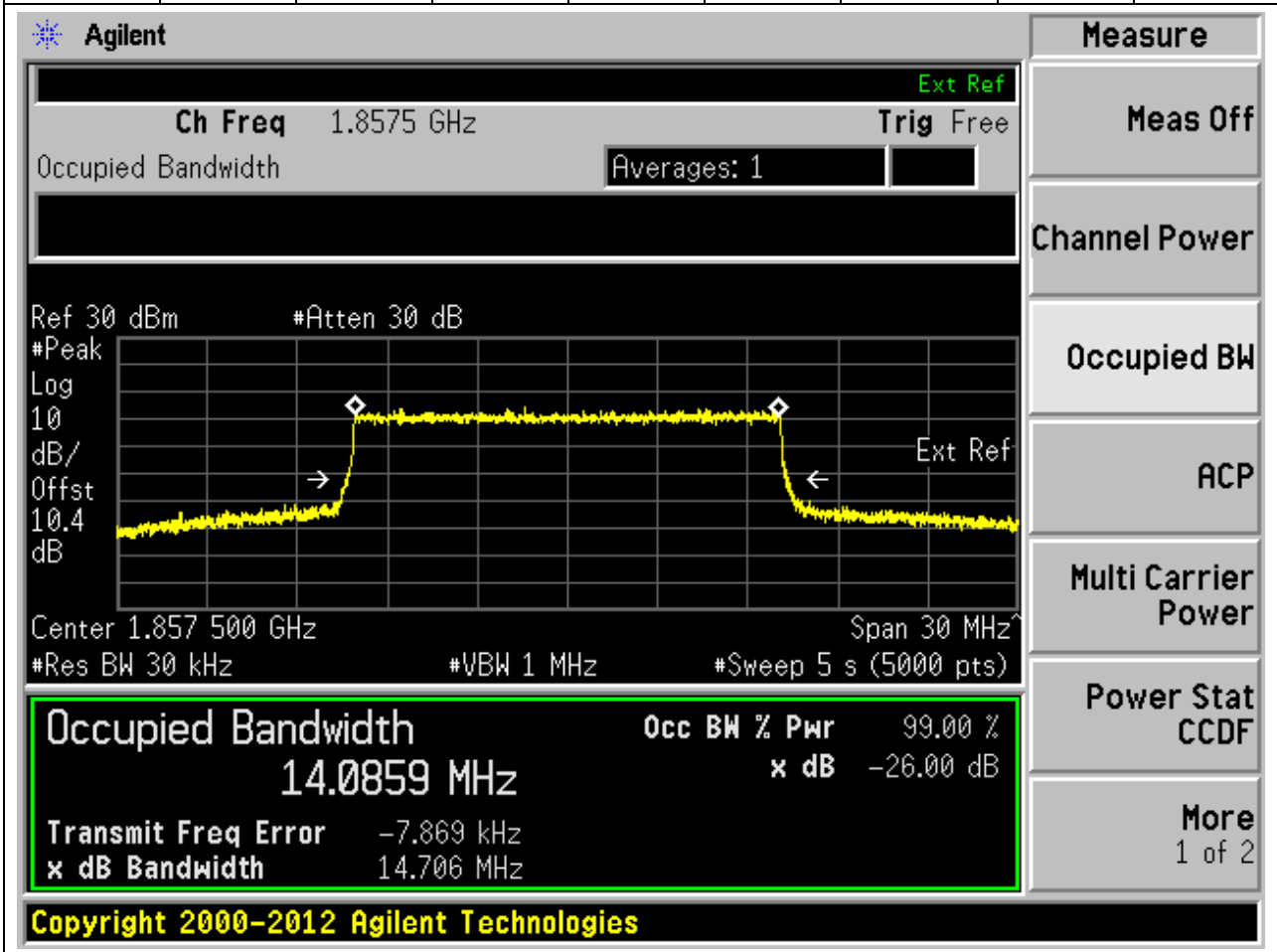
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.08	14.67	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.9025 GHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0786 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -13.857 kHz, and the XdB bandwidth is 14.672 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0786 MHz	x dB	-26.00 dB
Transmit Freq Error		-13.857 kHz
x dB Bandwidth		14.672 MHz

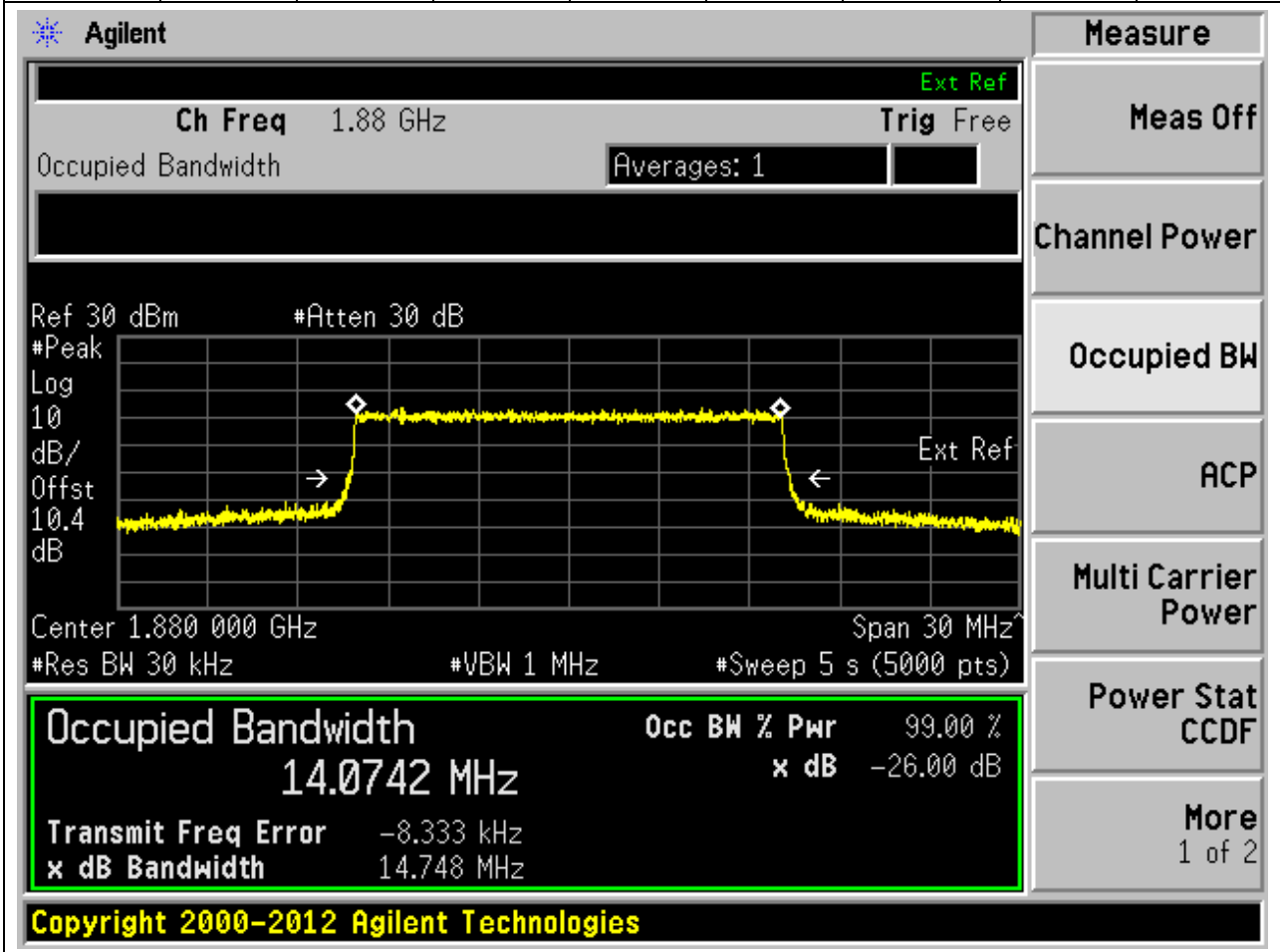
**1.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.09	14.71	15	Pass



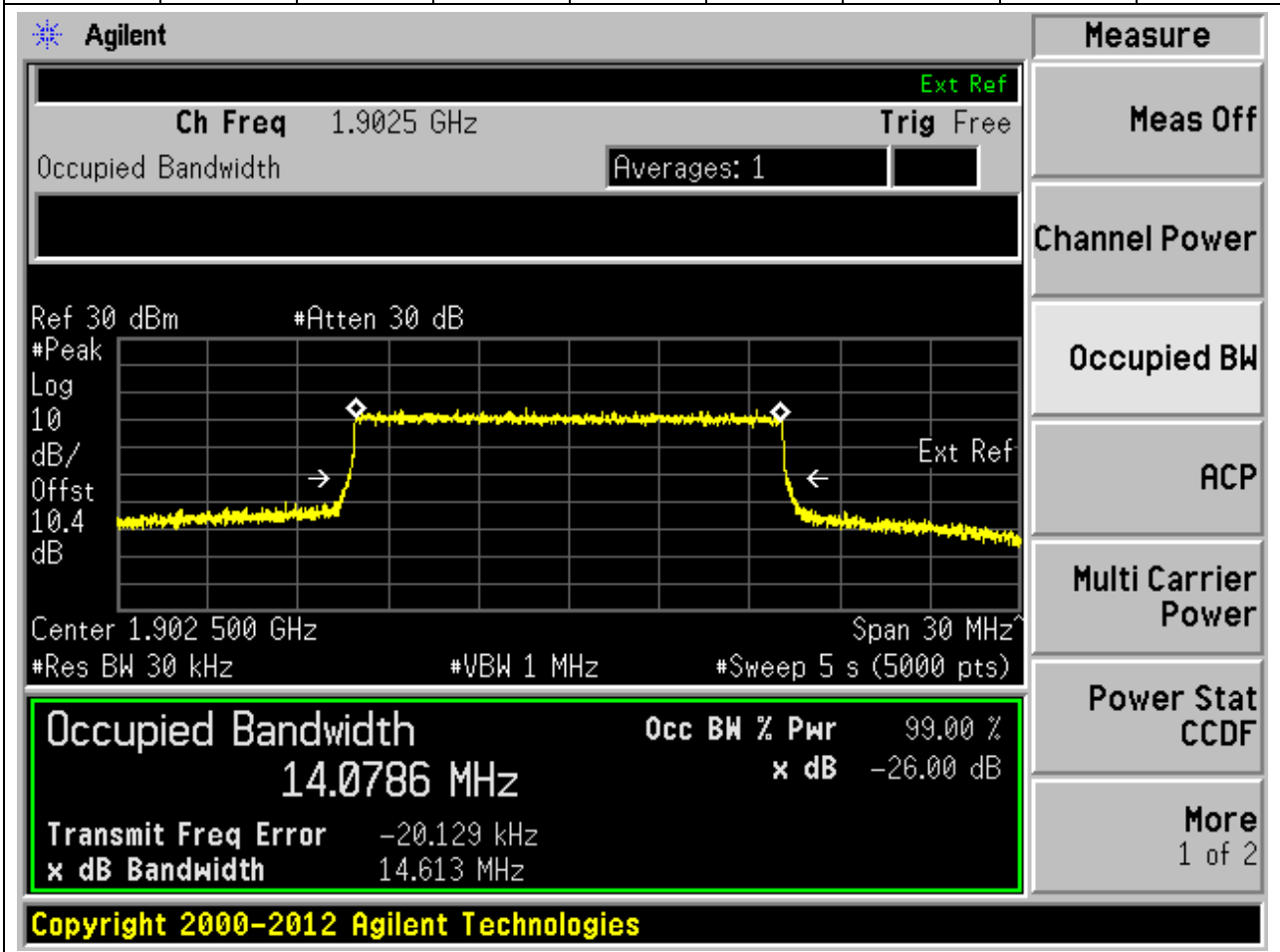
**1.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.07	14.75	15	Pass



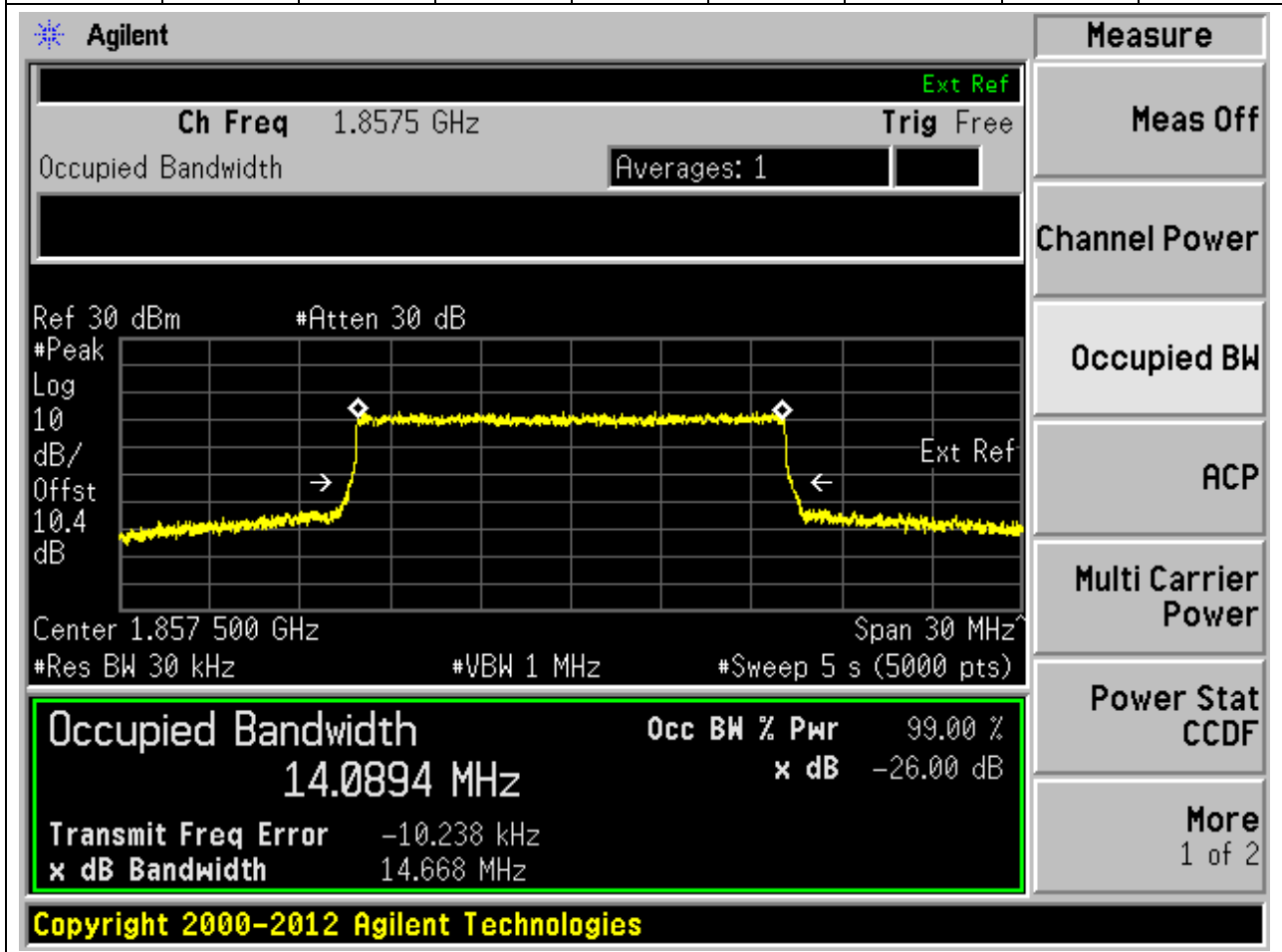
**1.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.08	14.61	15	Pass



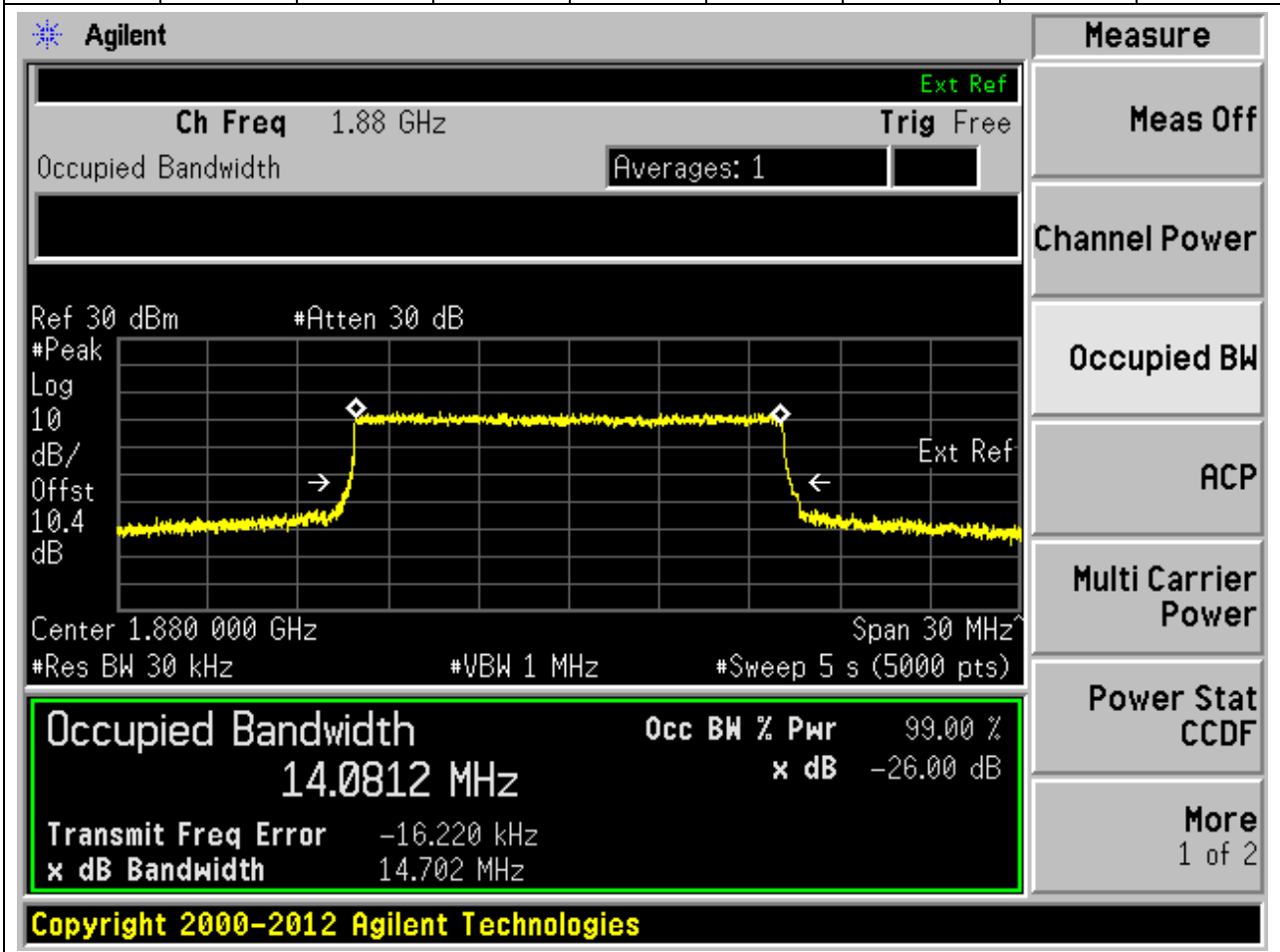
**1.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.03	Peak	14.09	14.67	15	Pass



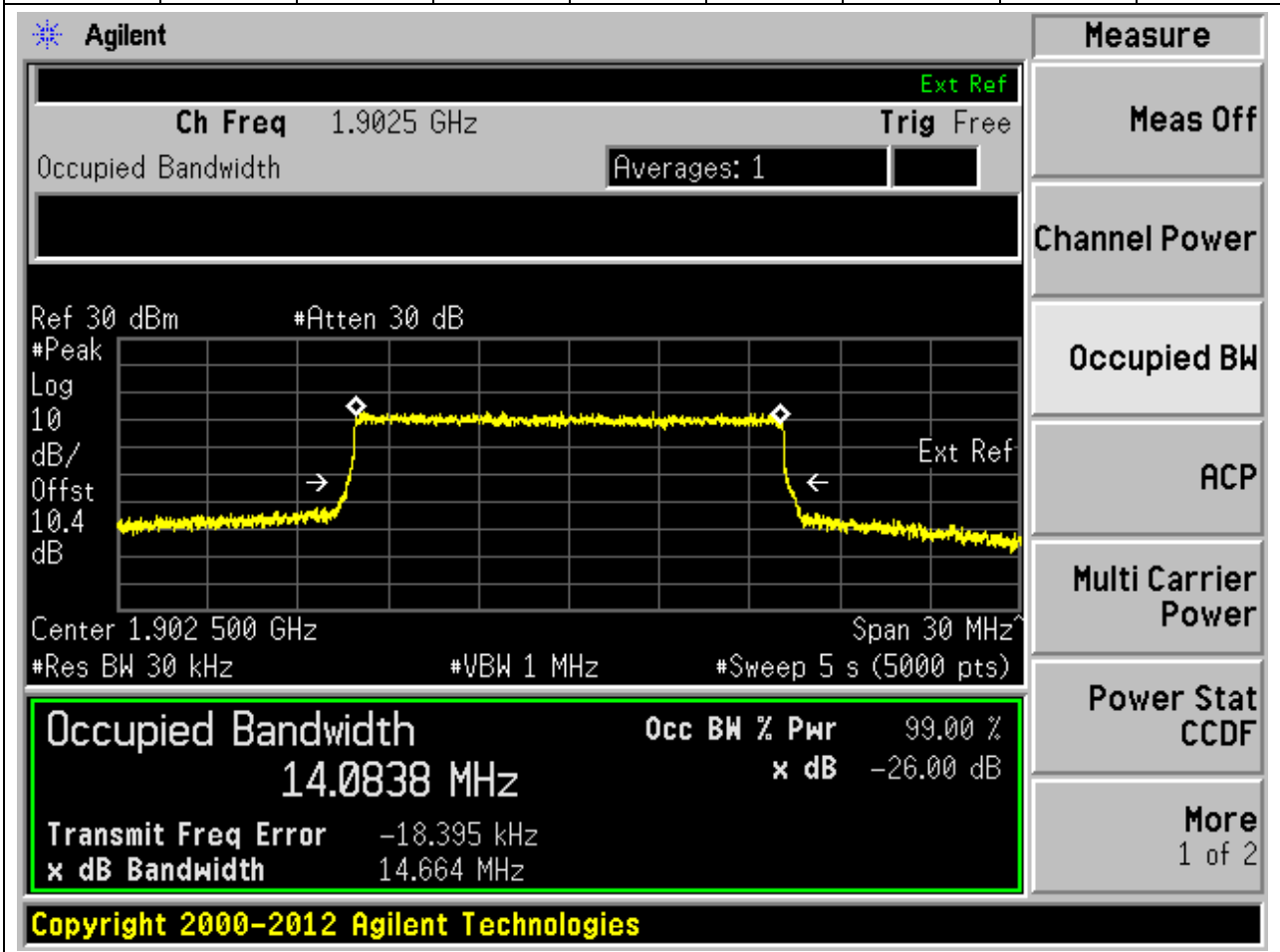
**1.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	14.08	14.7	15	Pass



**1.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

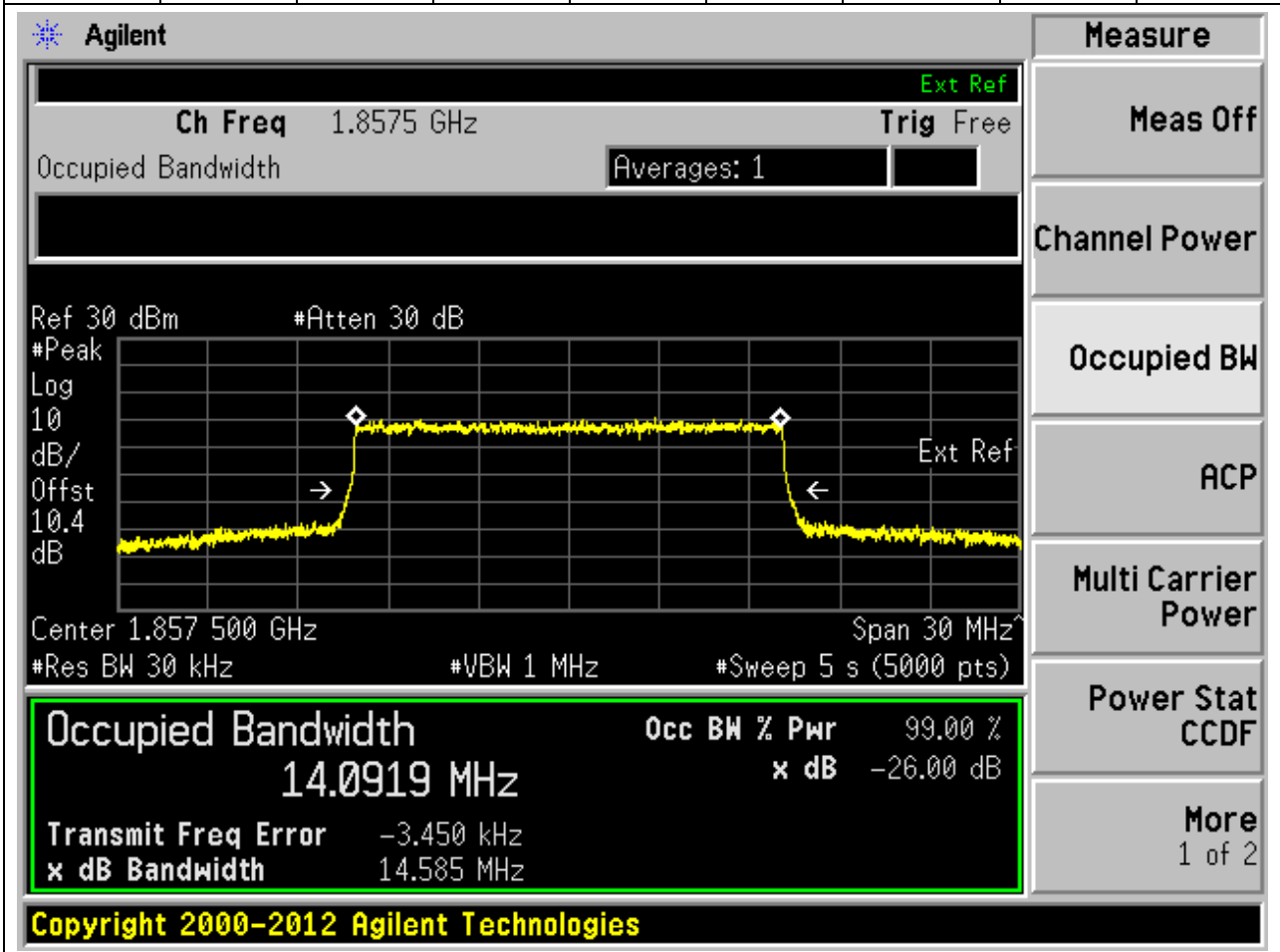
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.03	Peak	14.08	14.66	15	Pass





**1.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:371500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, 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	0.03	Peak	14.09	14.58	15	Pass



**1.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, 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	0.03	Peak	14.09	14.55	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

Occupied Bandwidth	Occ BW % Pwr	x dB
14.0892 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.880 000 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts). The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**1.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, 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	0.03	Peak	14.08	14.62	15	Pass

**Agilent**
**Measure**

Ch Freq 1.9025 GHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm #Atten 30 dB

Center 1.902 500 GHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

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

**14.0844 MHz** x dB -26.00 dB

Transmit Freq Error -17.184 kHz

x dB Bandwidth 14.617 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

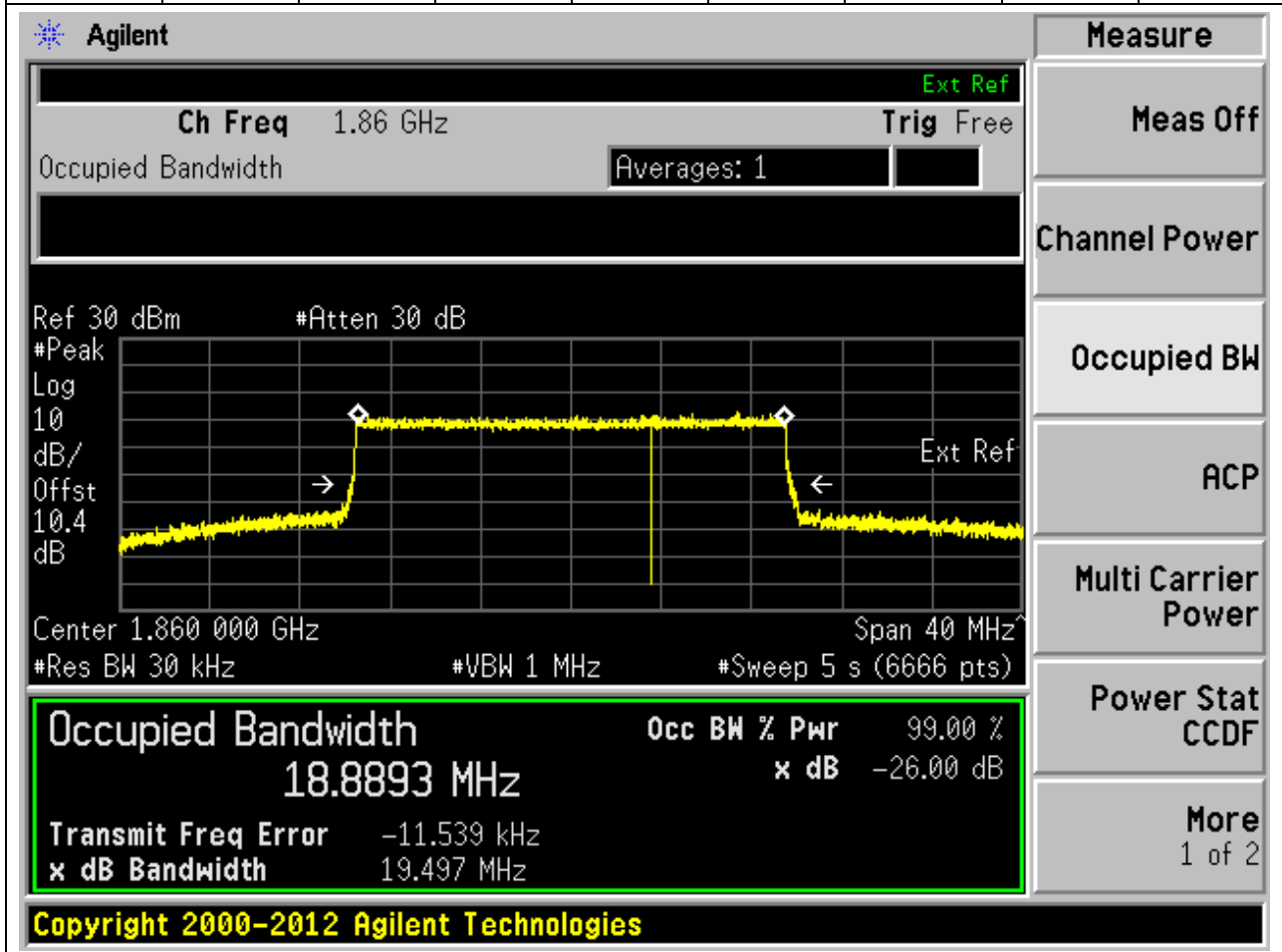
Power Stat CCDF

More 1 of 2

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**1.37. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, 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	0.03	Peak	18.89	19.5	20	Pass



**1.38. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, 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	0.03	Peak	18.88	19.53	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 1.88 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8795 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -18.514 kHz, and the x dB bandwidth is 19.529 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8795 MHz	x dB	-26.00 dB
Transmit Freq Error	-18.514 kHz	
x dB Bandwidth	19.529 MHz	

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**1.39. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, 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	0.03	Peak	18.88	19.5	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

Measurement	Value	Unit
Occupied Bandwidth	18.8828	MHz
Occ BW % Pwr	99.00	%
x dB	-26.00	dB
Transmit Freq Error	-28.914	kHz
x dB Bandwidth	19.502	MHz

Additional parameters shown in the interface include: Ch Freq 1.9 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.900 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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**1.40. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, 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	0.03	Peak	18.91	19.57	20	Pass

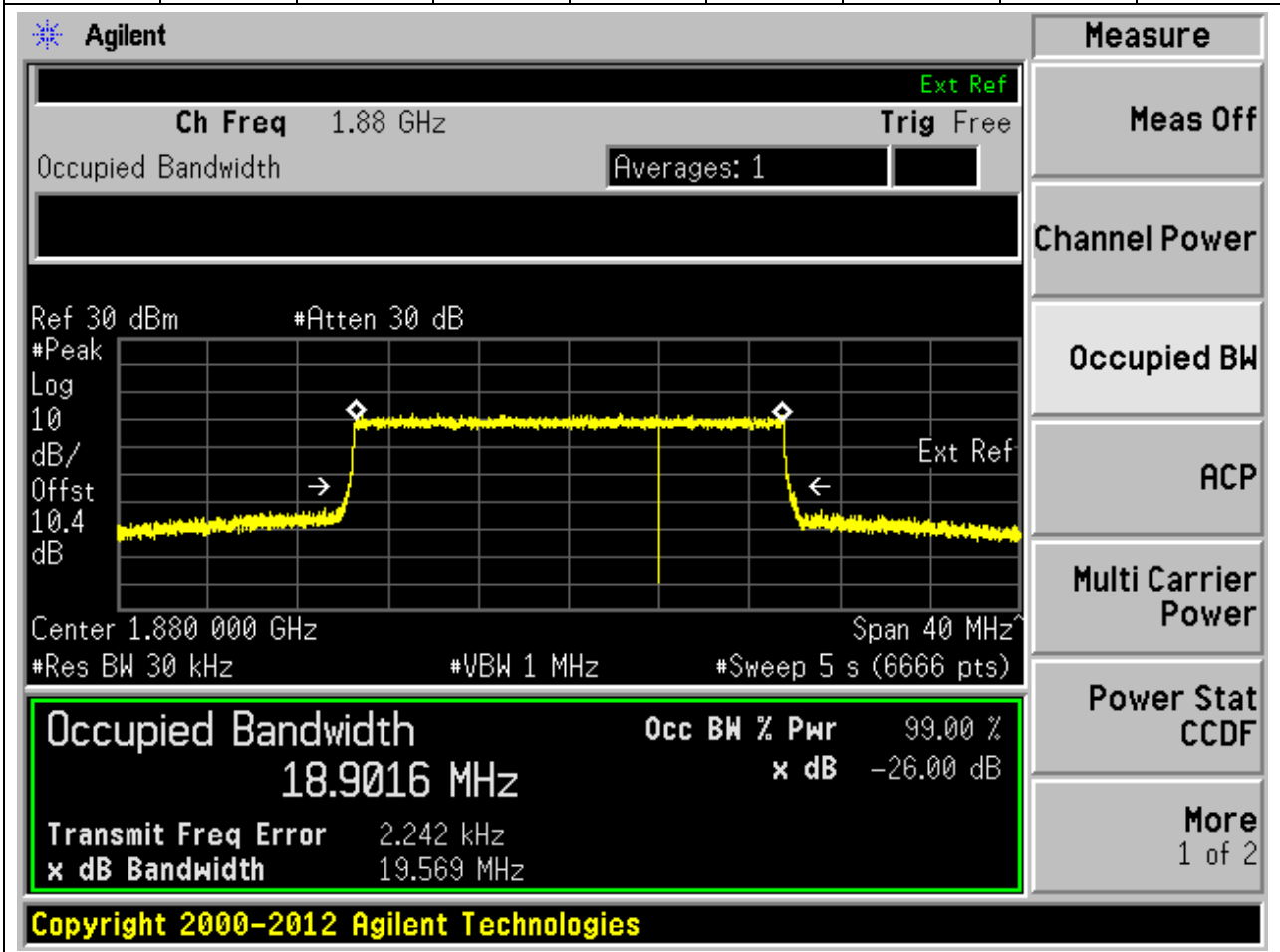
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 1.86 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in green, showing a value of 18.9122 MHz. The power is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement controls and a list of measurement options on the right side.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
18.9122 MHz		x dB	-26.00 dB
Transmit Freq Error	10.015 kHz		
x dB Bandwidth	19.574 MHz		

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**1.41. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

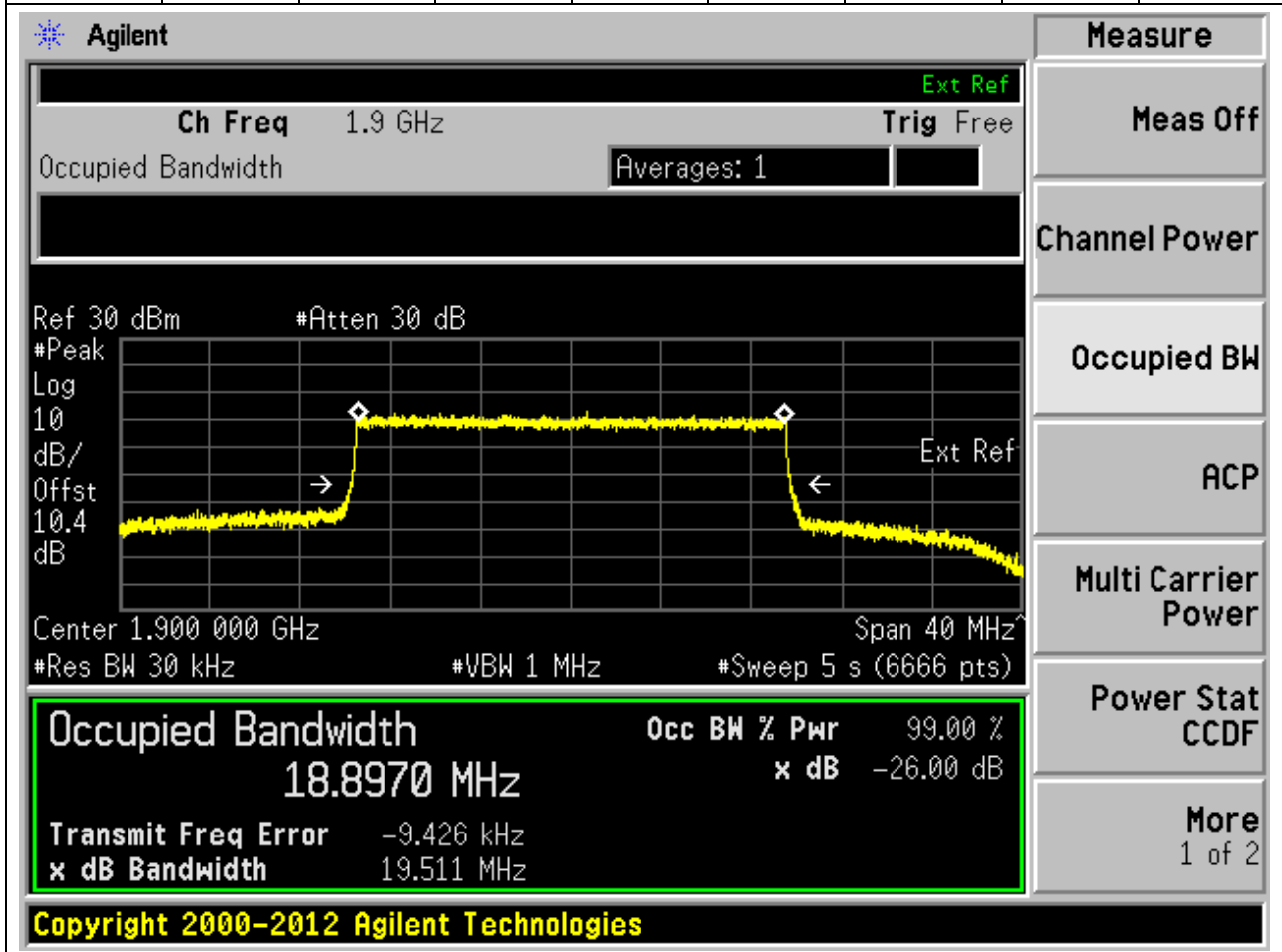
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.03	Peak	18.9	19.57	20	Pass





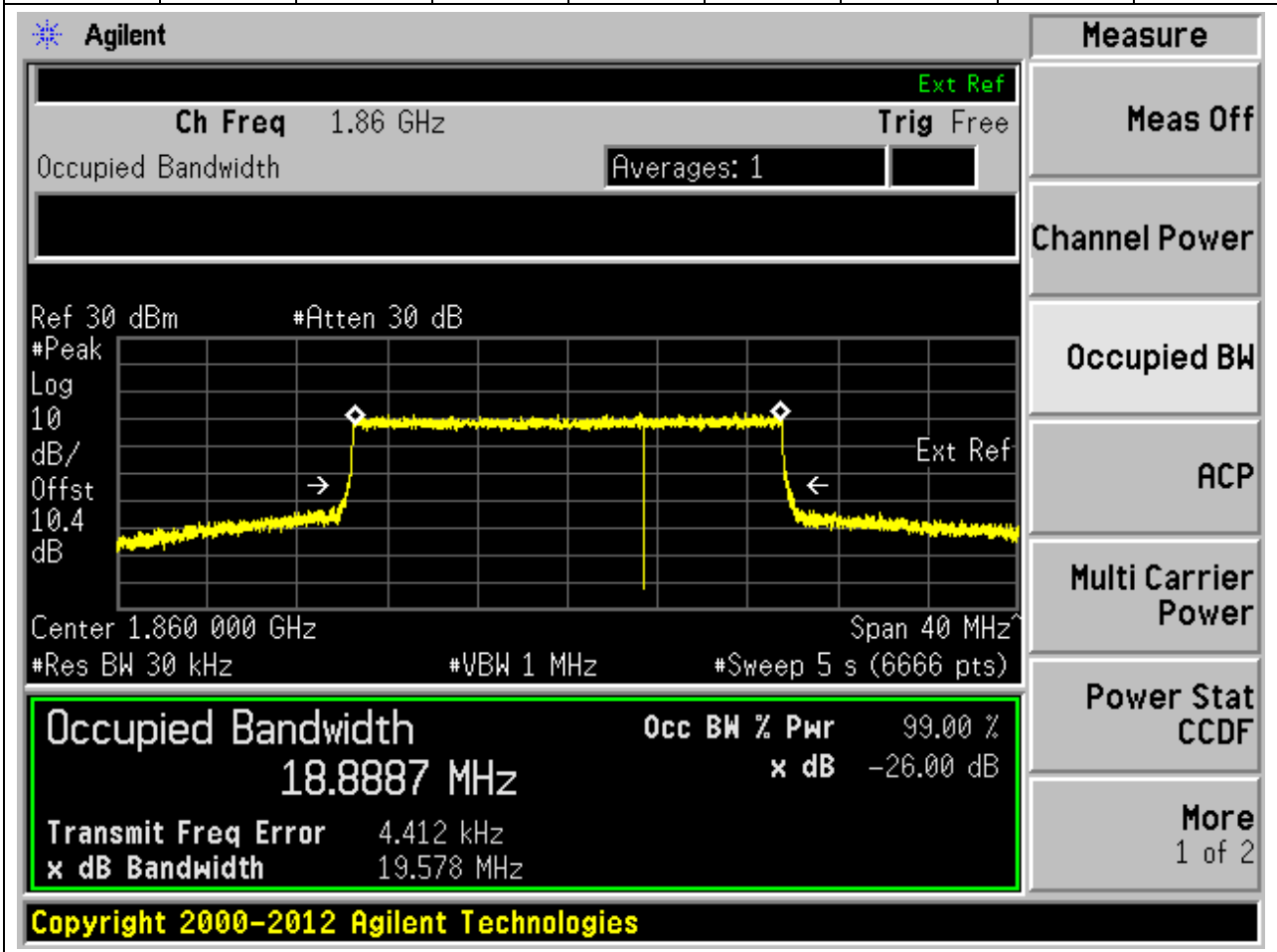
**1.42. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.9	19.51	20	Pass



**1.43. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, 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	0.03	Peak	18.89	19.58	20	Pass



**1.44. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, 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	0.03	Peak	18.89	19.53	20	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:

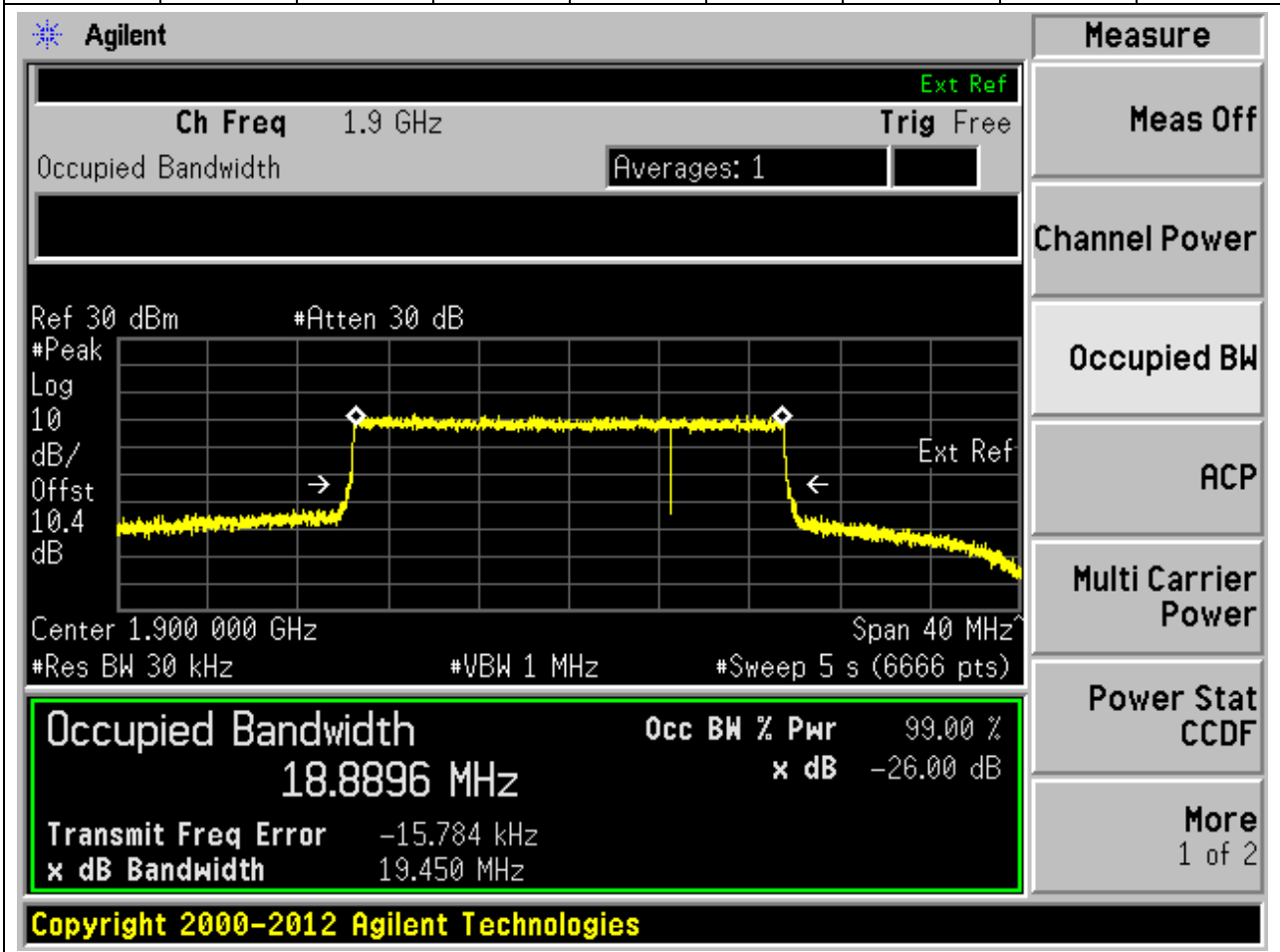
Measurement	Value
Occupied Bandwidth	18.8869 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-3.682 kHz
x dB Bandwidth	19.535 MHz

Other visible parameters include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.880 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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**1.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, 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	0.03	Peak	18.89	19.45	20	Pass



**1.46. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:372000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, 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	0.03	Peak	18.91	19.51	20	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	18.9054 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	8.499 kHz
x dB Bandwidth	19.512 MHz

Other visible parameters include: Ch Freq 1.86 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.860 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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**1.47. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:376000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, 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	0.03	Peak	18.89	19.52	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

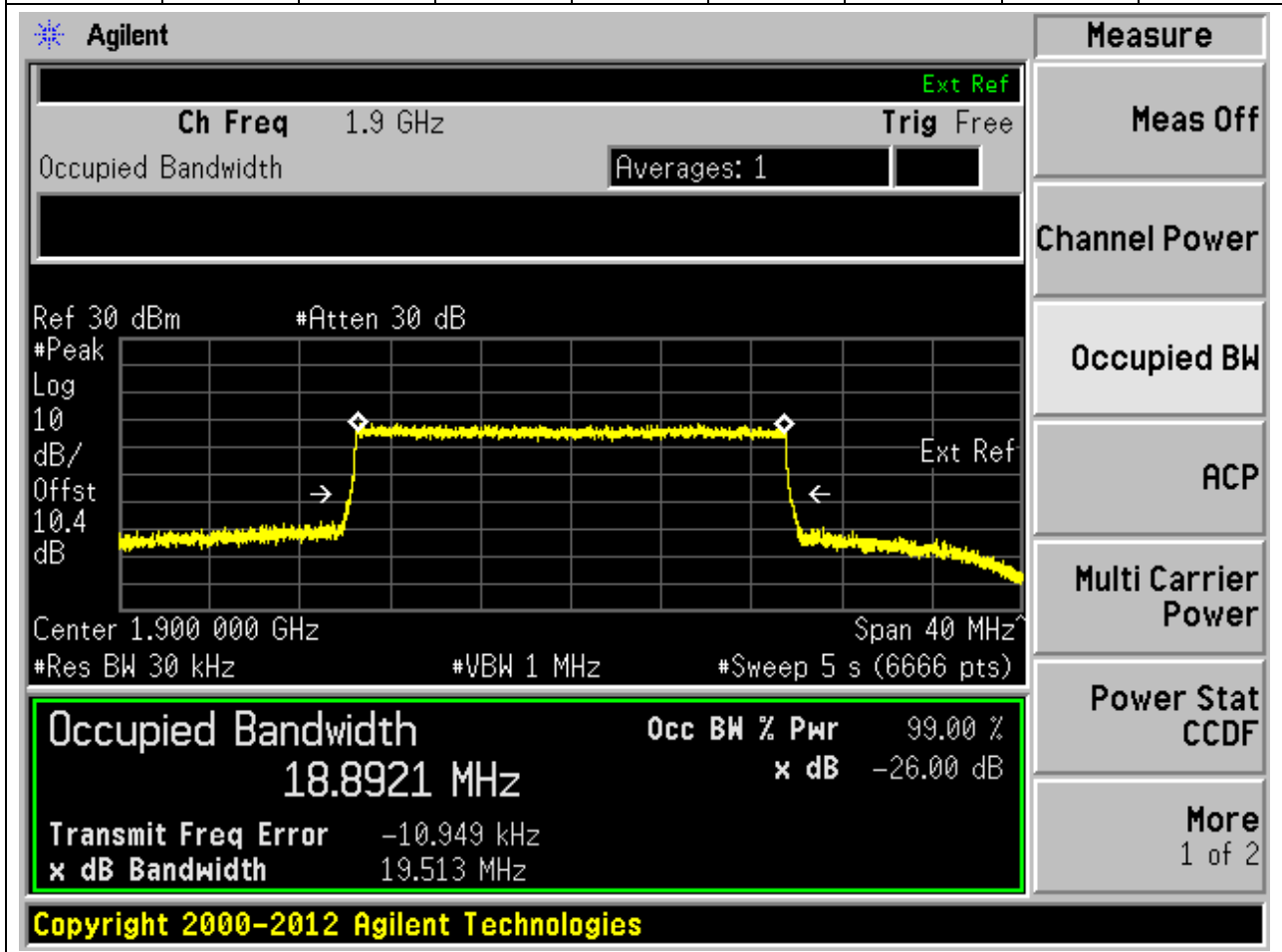
Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8933 MHz	x dB	-26.00 dB
Transmit Freq Error	21.826 Hz	
x dB Bandwidth	19.520 MHz	

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.4 dB, Center 1.880 000 GHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (6666 pts).

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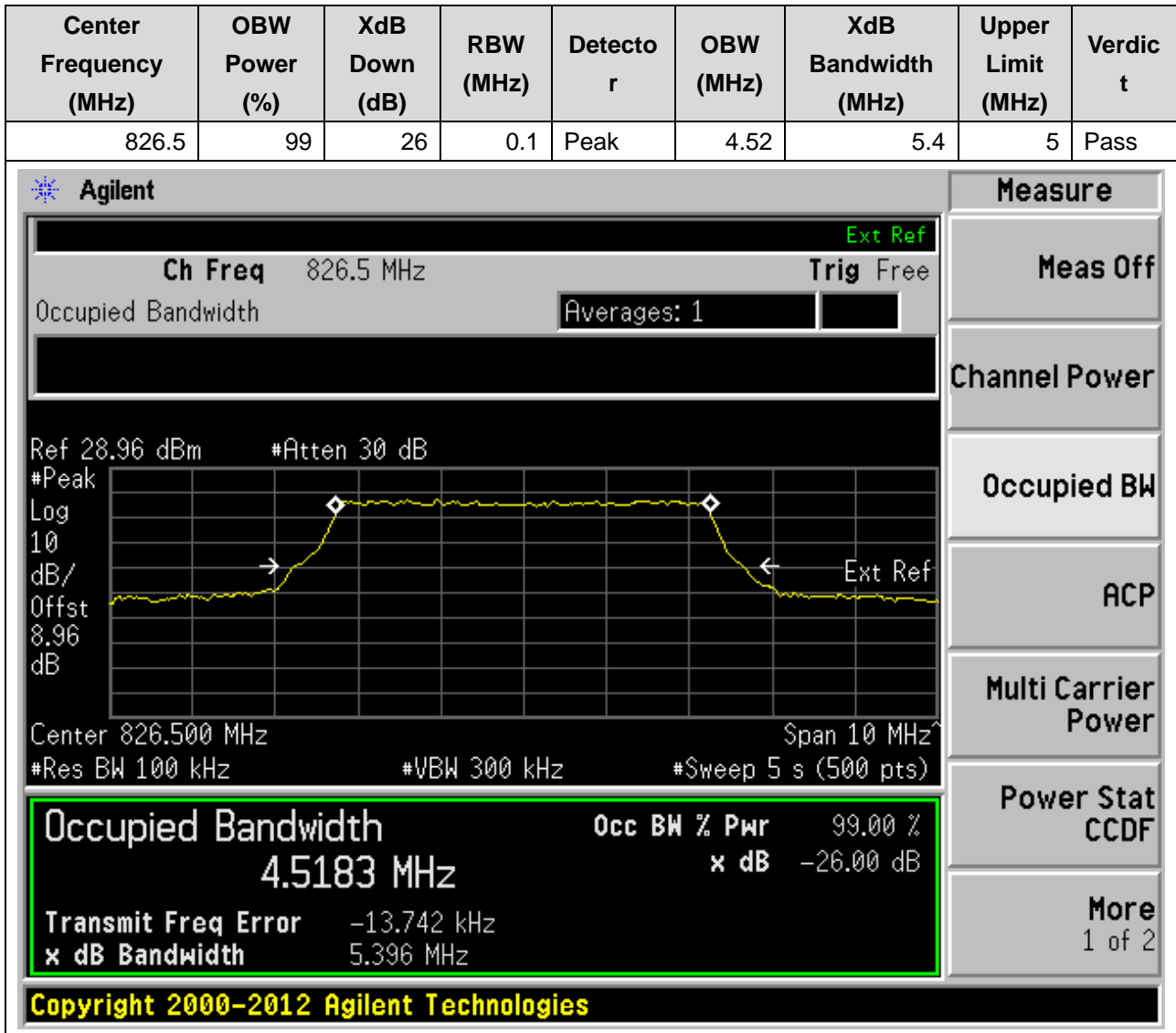
**1.48. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:380000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.03	Peak	18.89	19.51	20	Pass



## 1. n5

1.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)





**1.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	5.23	5	Pass

**Agilent**
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 836.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**4.5043 MHz**

Transmit Freq Error -13.766 kHz

x dB Bandwidth 5.229 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.51	5.4	5	Pass

**Agilent**
Measure

Ch Freq 846.5 MHz Ext Ref

Occupied Bandwidth Trig Free

Averages: 1

Center 846.500 MHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz

#Sweep 5 s (500 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

4.5099 MHz

Transmit Freq Error -9.821 kHz

x dB Bandwidth 5.400 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.53	5.26	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 826.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.5289 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -24.715 kHz. The XdB bandwidth is 5.259 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	99.00 %
4.5289 MHz	x dB	-26.00 dB
Transmit Freq Error	-24.715 kHz	
x dB Bandwidth	5.259 MHz	

**1.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.23	5	Pass

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

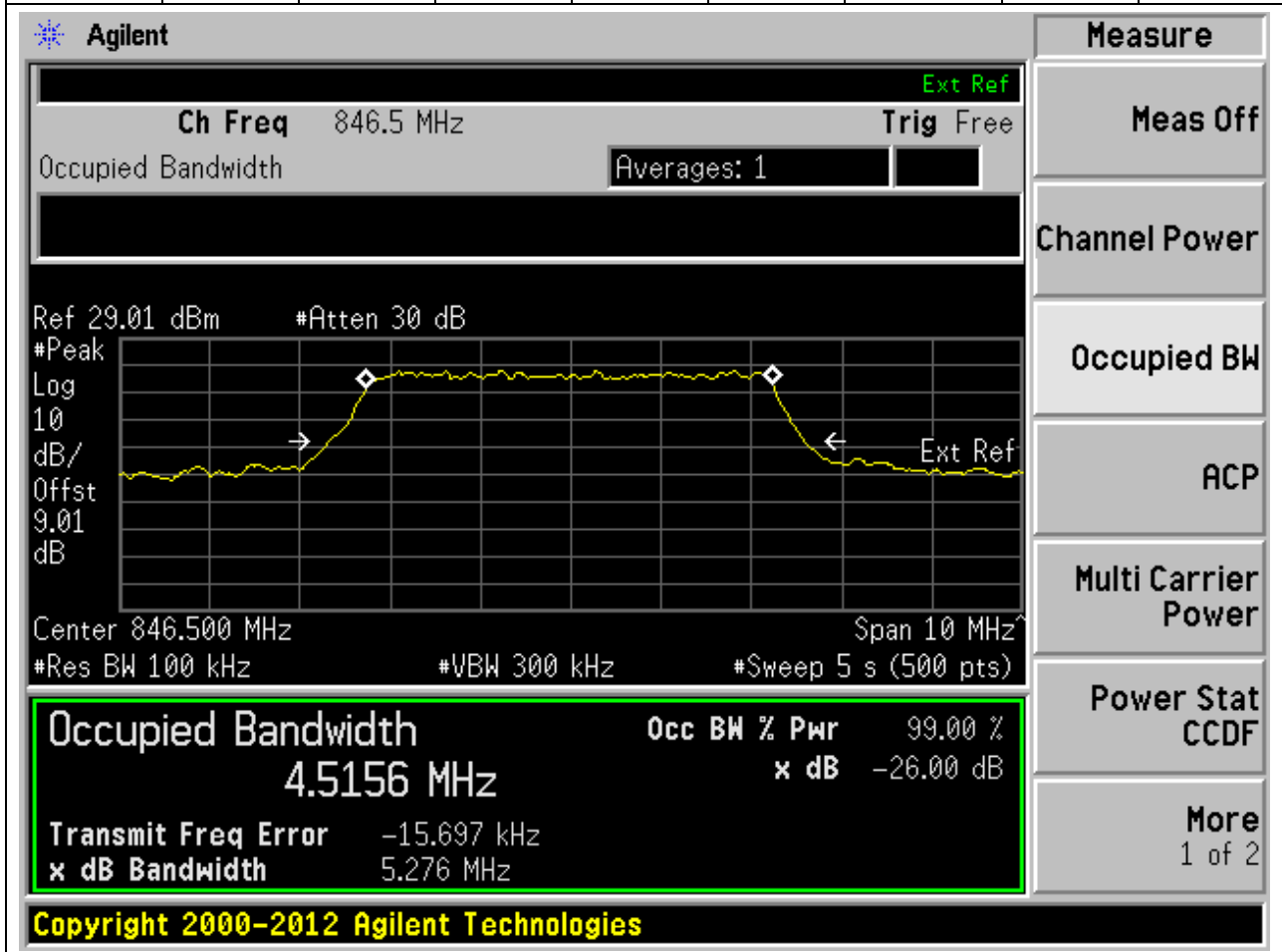
Measurement	Value
Occupied Bandwidth	4.4973 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-7.712 kHz
x dB Bandwidth	5.228 MHz

Additional parameters shown in the interface include: Ch Freq 836.5 MHz, Trig Free, Averages: 1, Ref 28.99 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.99 dB, Center 836.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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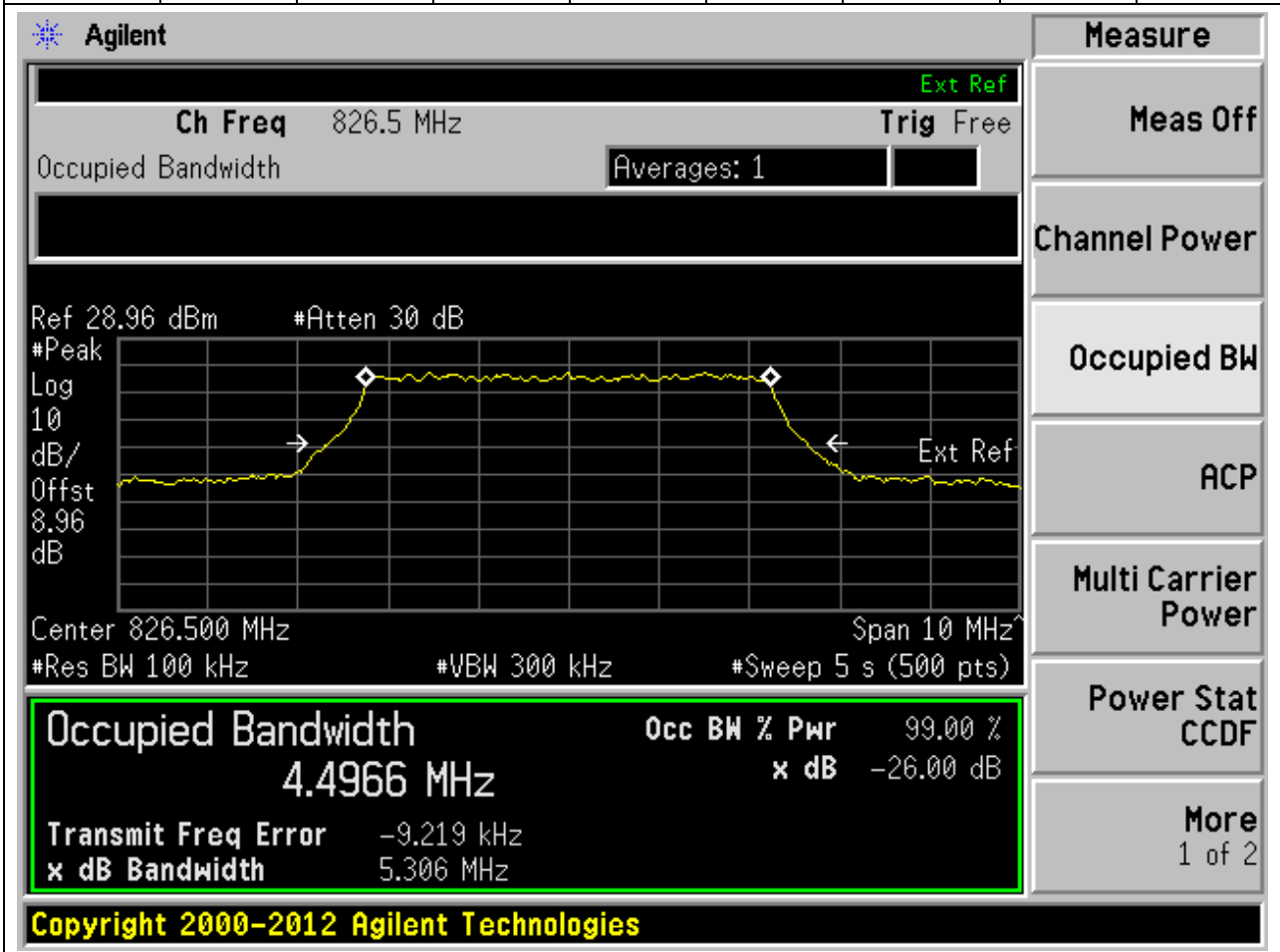
**1.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.52	5.28	5	Pass



**1.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.31	5	Pass



**1.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.3	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.5024 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -11.801 kHz. The XdB bandwidth is 5.300 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'.

**1.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

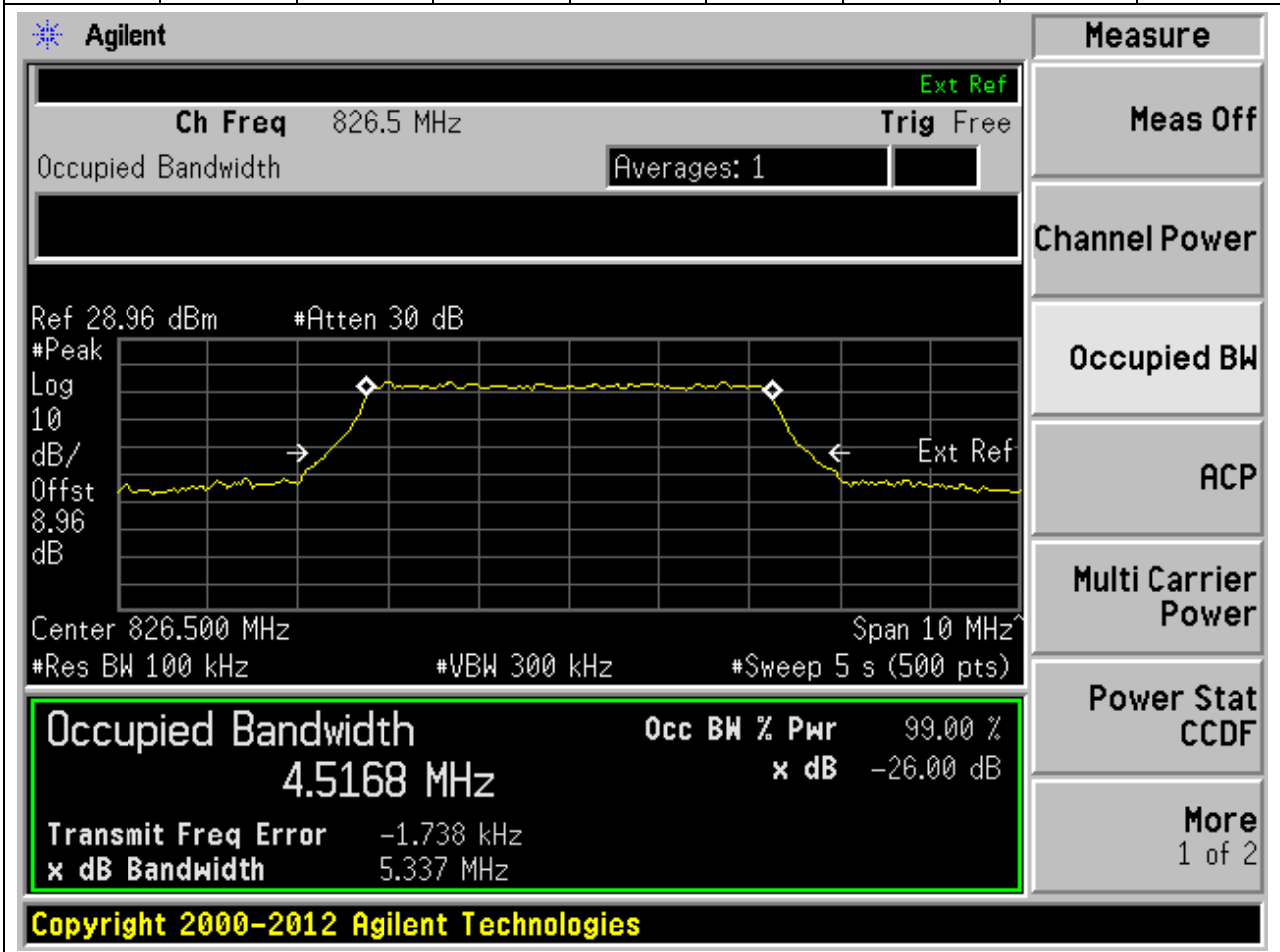
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	5.28	5	Pass

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 4.4924 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -8.008 kHz, and the XdB bandwidth is 5.280 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'.



**1.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.52	5.34	5	Pass



**1.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.53	5.33	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 4.5347 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -17.422 kHz, and the XdB bandwidth is 5.330 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

**1.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.51	5.31	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst 9.01 dB'. The x-axis is labeled 'Center 846.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at 846.5 MHz. The 'Occupied Bandwidth' is highlighted in green and shows a value of 4.5133 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -299.331 Hz and the 'x dB Bandwidth' is 5.305 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5133 MHz	99.00 %	-26.00 dB

**1.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.26	9.77	10	Pass

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

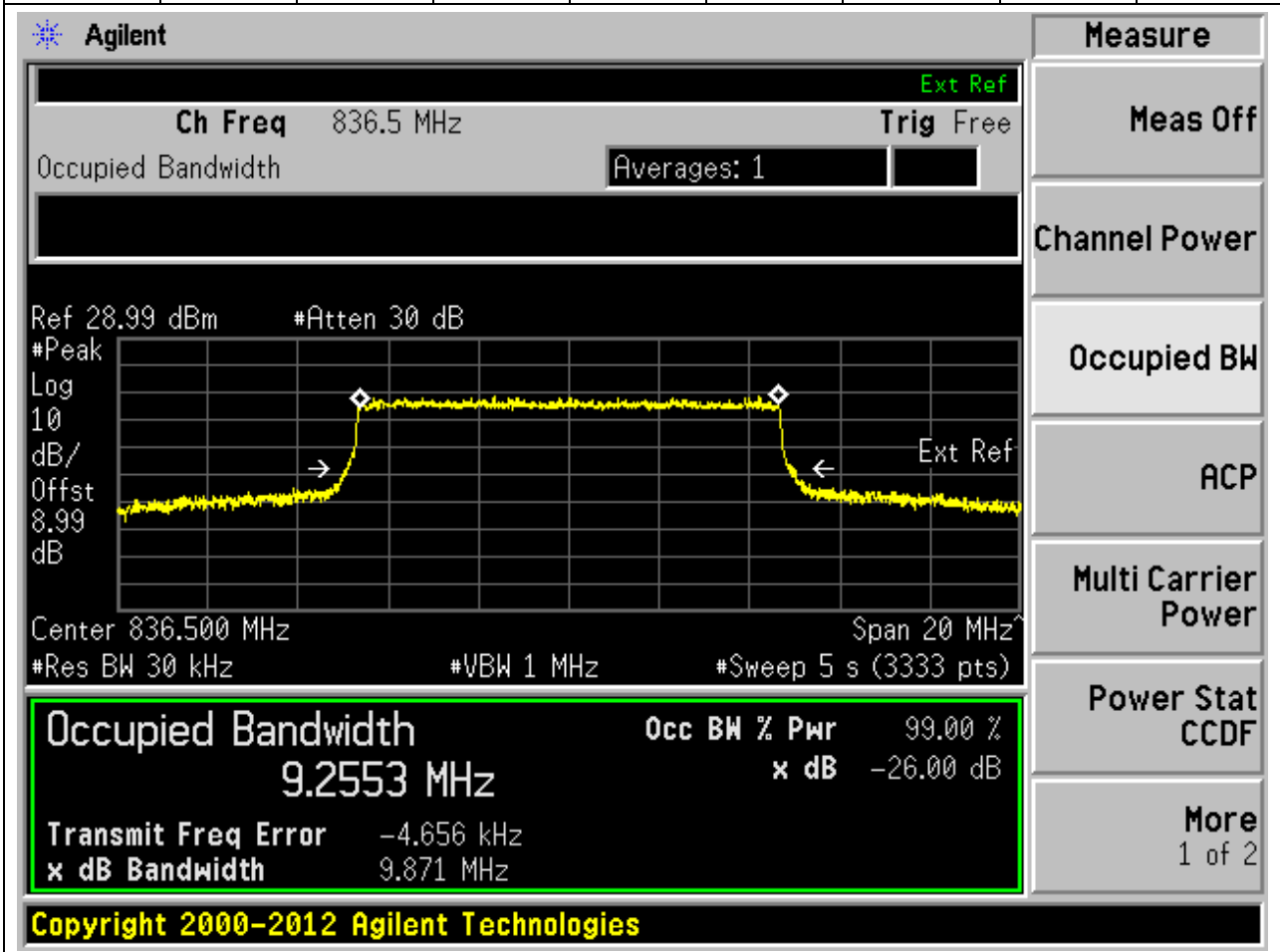
Measurement	Value
Occupied Bandwidth	9.2623 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-3.851 kHz
x dB Bandwidth	9.772 MHz

Additional parameters shown in the interface include: Ch Freq 829 MHz, Trig Free, Averages: 1, Ref 28.96 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.96 dB, Center 829.000 MHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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**1.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.87	10	Pass



**1.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

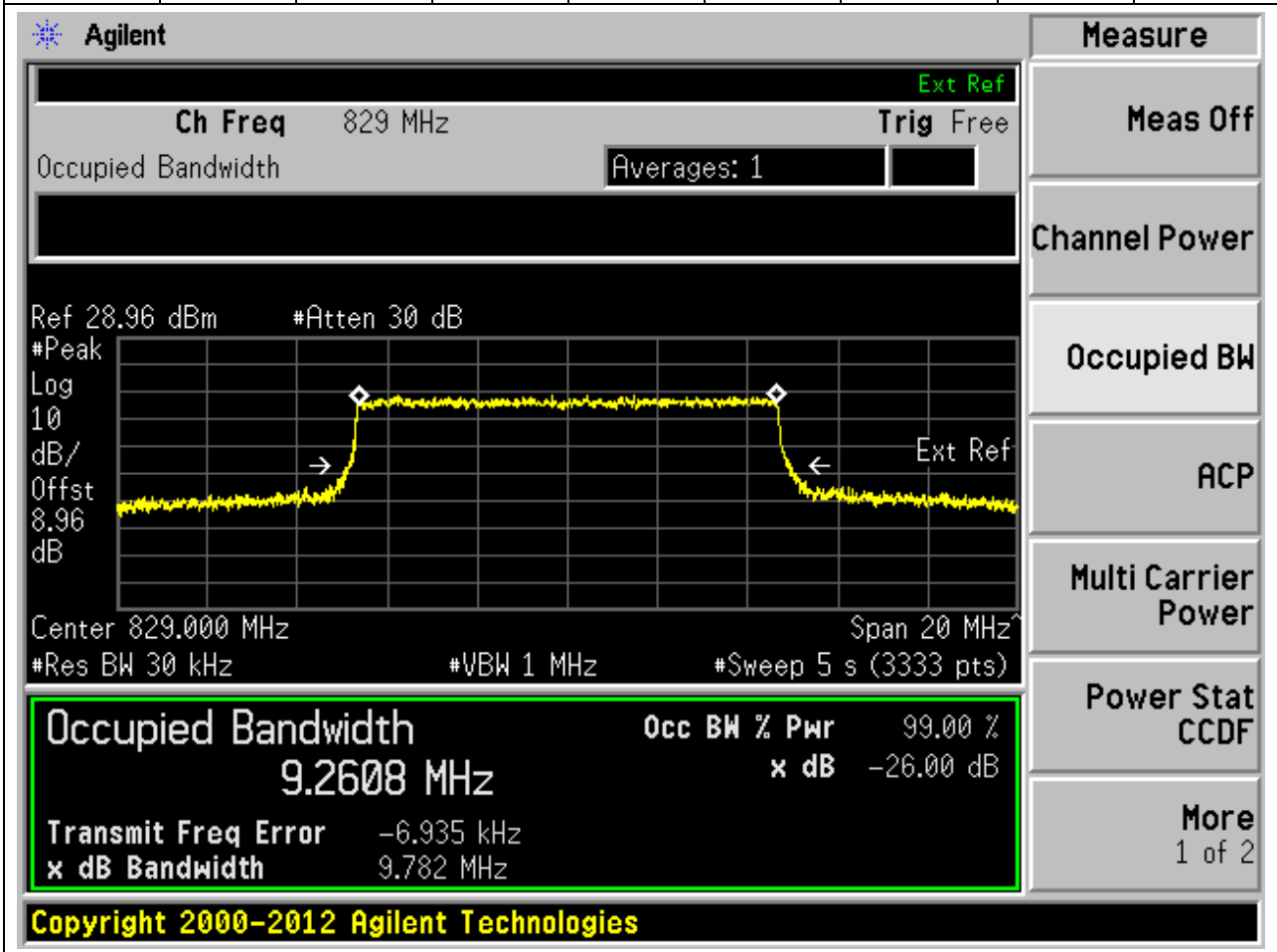
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.27	9.78	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows the channel frequency (844 MHz) and the trigger mode (Free). The main display area shows a spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 844.000 MHz and a span of 20 MHz. The resolution bandwidth (RBW) is 30 kHz, and the video bandwidth (VBW) is 1 MHz. The sweep time is 5 seconds. The plot shows a signal with a peak level of 29.01 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 9.2658 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -6.999 kHz, and the XdB bandwidth is 9.776 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'. The bottom of the screen displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2658 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.999 kHz	
x dB Bandwidth	9.776 MHz	

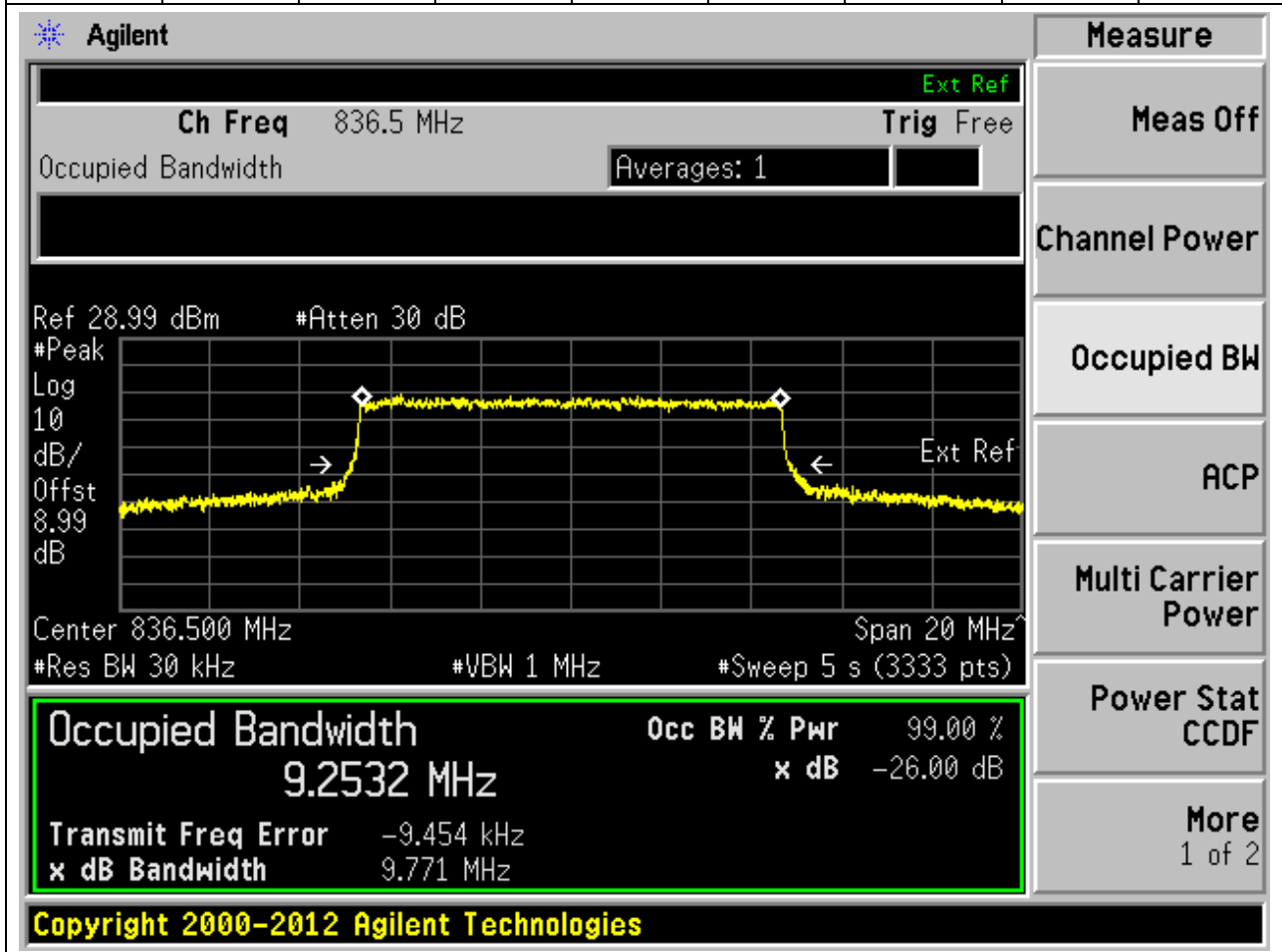
**1.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.26	9.78	10	Pass



**1.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.25	9.77	10	Pass





**1.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

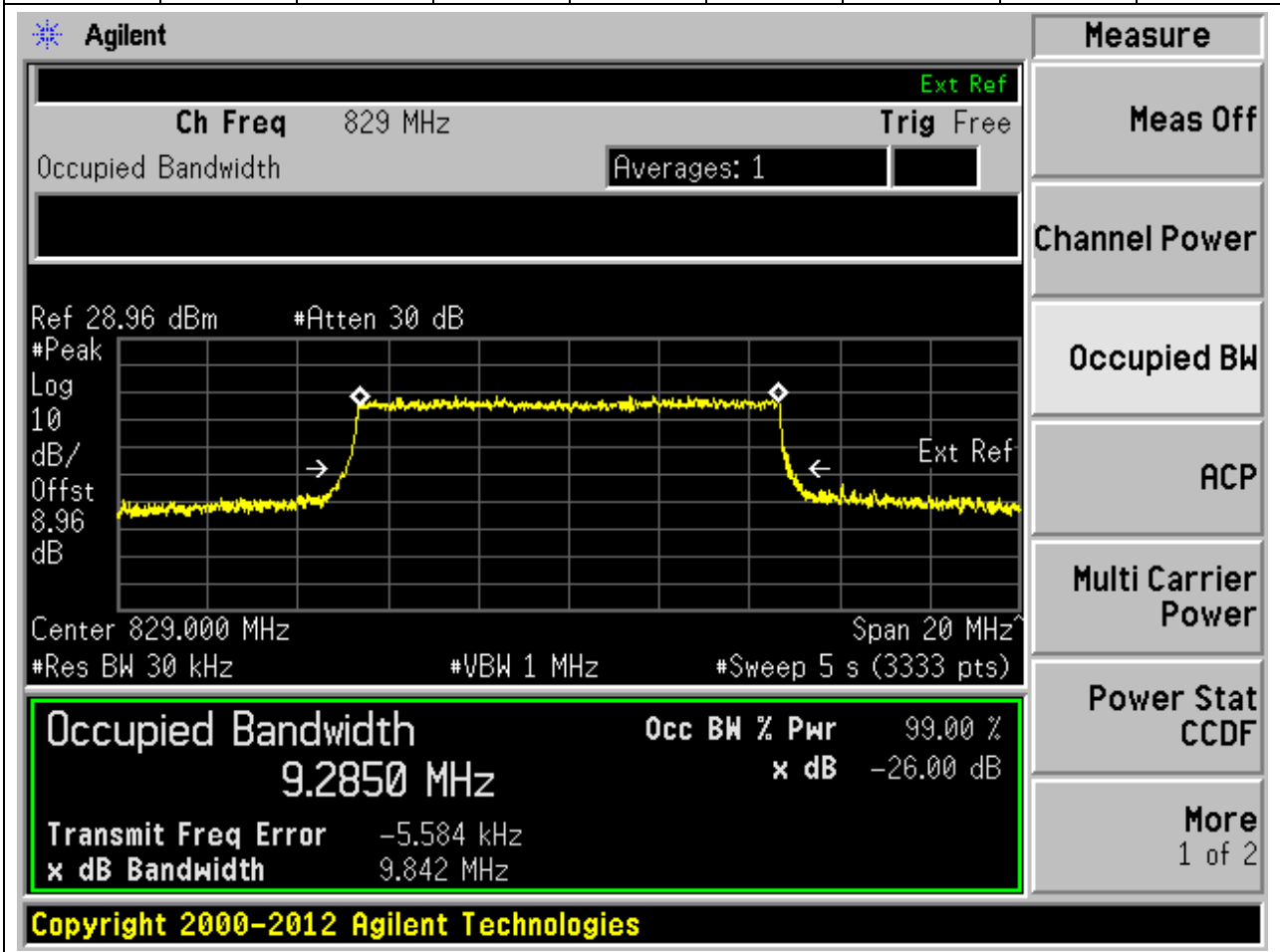
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.26	9.9	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 844 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2648 MHz, which is 99.00% of the 9.9 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -10.925 kHz, and the x dB bandwidth is 9.903 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 %
9.2648 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.925 kHz	
x dB Bandwidth	9.903 MHz	

**1.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.29	9.84	10	Pass



**1.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.28	9.78	10	Pass

Agilent

Ext Ref  
**Ch Freq** 836.5 MHz Trig Free  
 Occupied Bandwidth Averages: 1

Ref 28.99 dBm    #Atten 30 dB
#Peak

Center 836.500 MHz
Span 20 MHz

#Res BW 30 kHz
#VBW 1 MHz
#Sweep 5 s (3333 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.2773 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.045 kHz	
x dB Bandwidth	9.784 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. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.29	9.88	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 844.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2850 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -8.867 kHz, and the XdB bandwidth is 9.877 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 %
9.2850 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.867 kHz	
x dB Bandwidth	9.877 MHz	

**1.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.86	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 829.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2726 MHz, which is 99.00% of the power. The XdB bandwidth is 9.860 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -6.640 kHz. The interface also shows various settings like Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s). A table at the bottom of the screen summarizes the key measurement results.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2726 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.640 kHz	
x dB Bandwidth	9.860 MHz	

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**1.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.78	10	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 836.500 MHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
9.2609 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-8.552 kHz
<b>x dB Bandwidth</b>		9.779 MHz

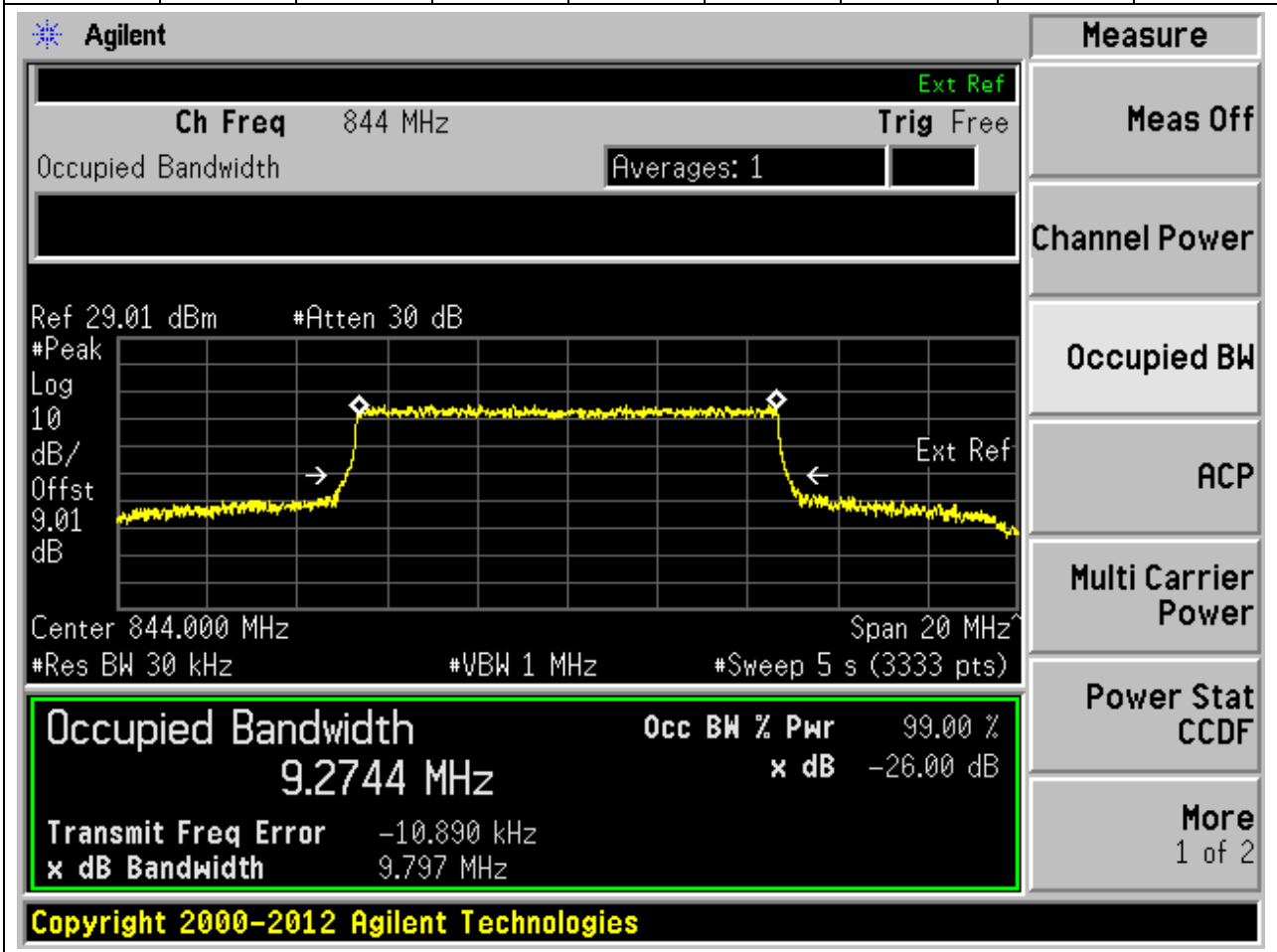
Copyright 2000-2012 Agilent Technologies

**Measure**

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

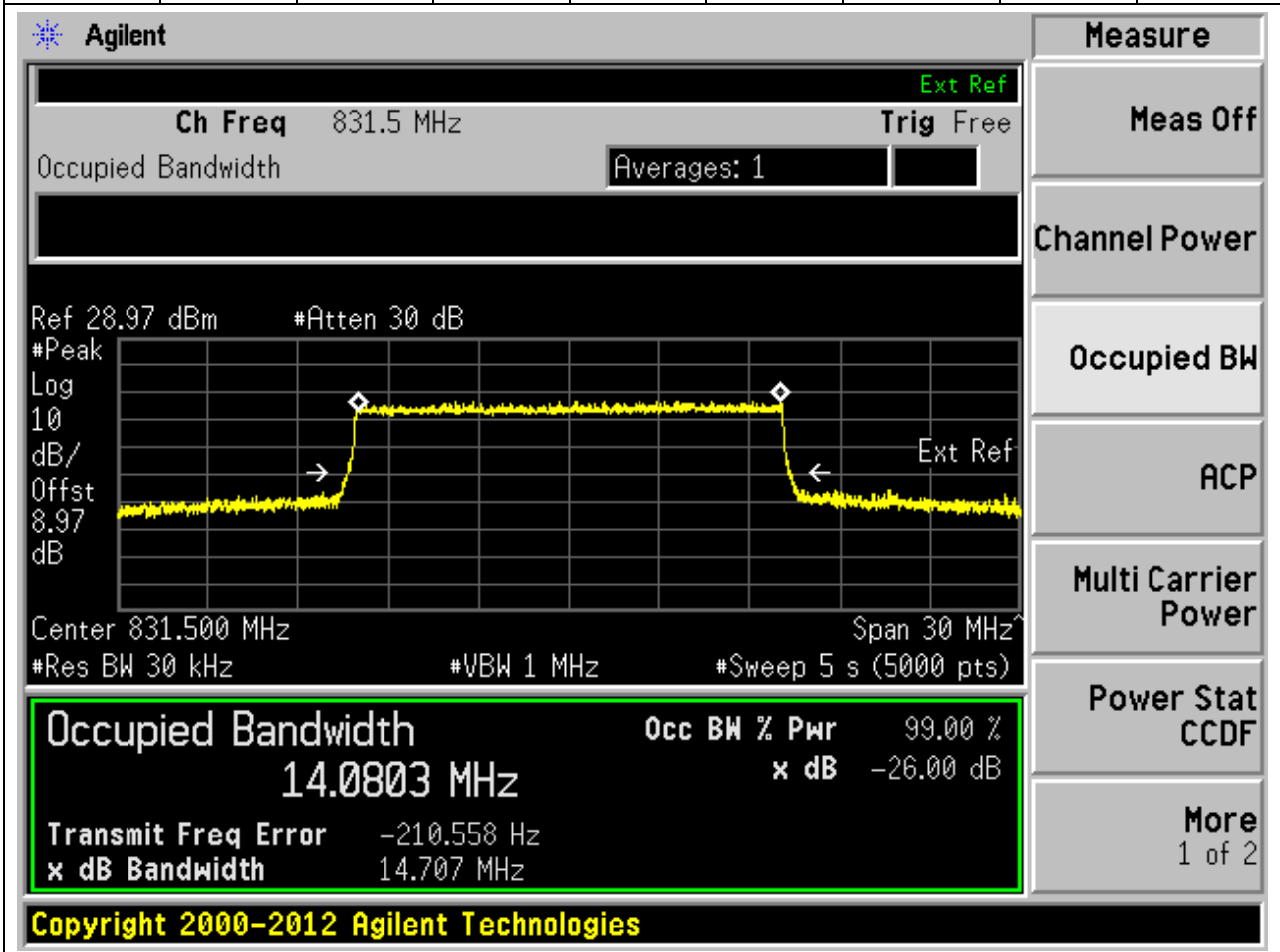
**1.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.27	9.8	10	Pass



**1.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.71	15	Pass





**1.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.69	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 836.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0722 MHz, which is 99.00% of the 14.692 MHz bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 1.251 kHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0722 MHz	x dB	-26.00 dB
Transmit Freq Error	1.251 kHz	
x dB Bandwidth	14.692 MHz	

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**1.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.09	14.68	15	Pass

Agilent

Ext Ref

**Ch Freq** 841.5 MHz **Trig** Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9 dB

Center 841.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
14.0865 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -9.844 kHz	
<b>x dB Bandwidth</b> 14.681 MHz	

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

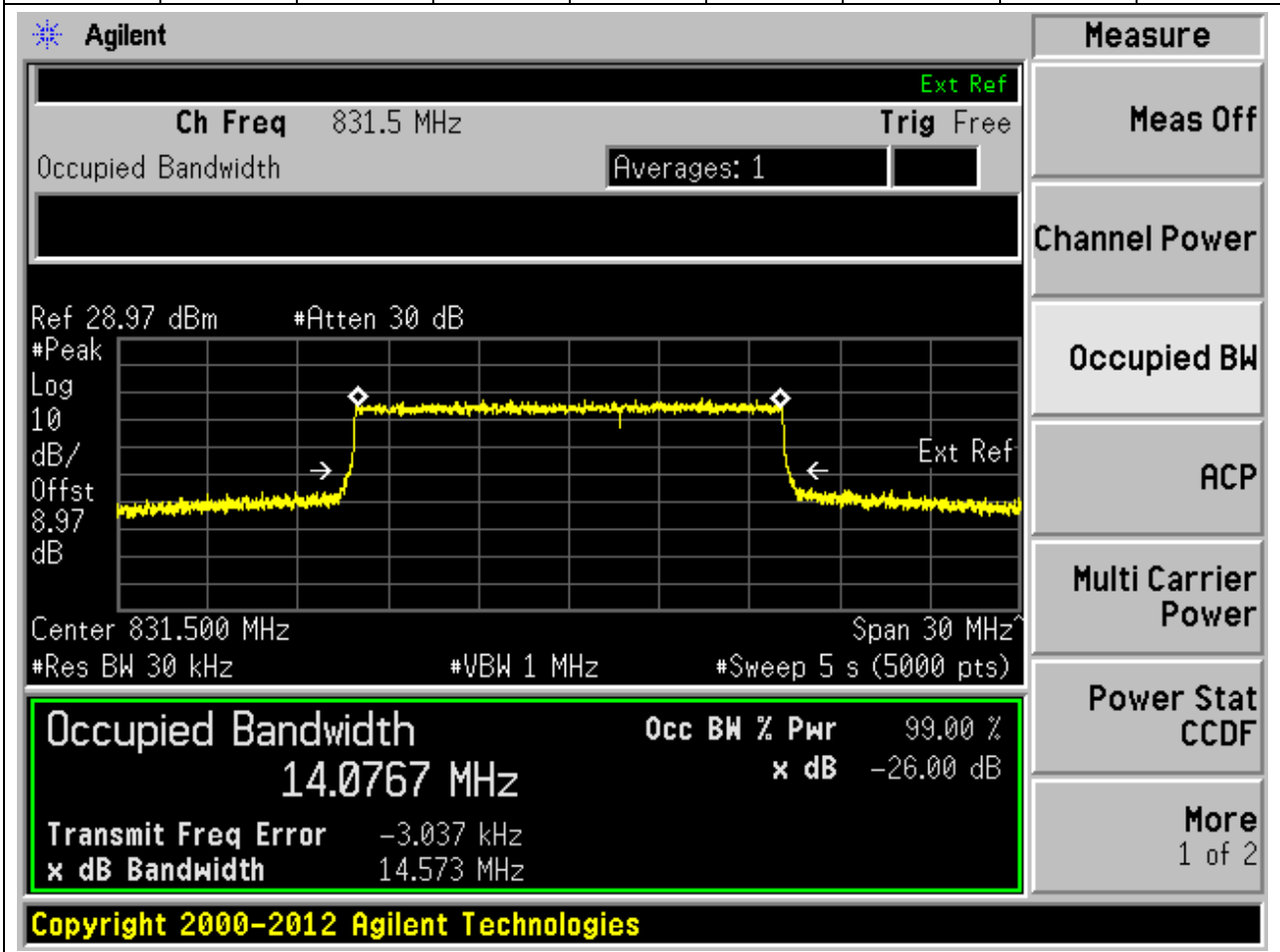
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**1.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.57	15	Pass



**1.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.72	15	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 836.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

**Occupied Bandwidth** 14.0689 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -8.607 kHz

x dB Bandwidth 14.718 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.08	14.68	15	Pass

Agilent
Measure

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

Center 841.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**14.0840 MHz**

Transmit Freq Error -15.017 kHz

x dB Bandwidth 14.684 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**1.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.67	15	Pass

**Agilent**

Ch Freq 831.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.97 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.97 dB

Center 831.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
14.0847 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-7.193 kHz
<b>x dB Bandwidth</b>		14.665 MHz

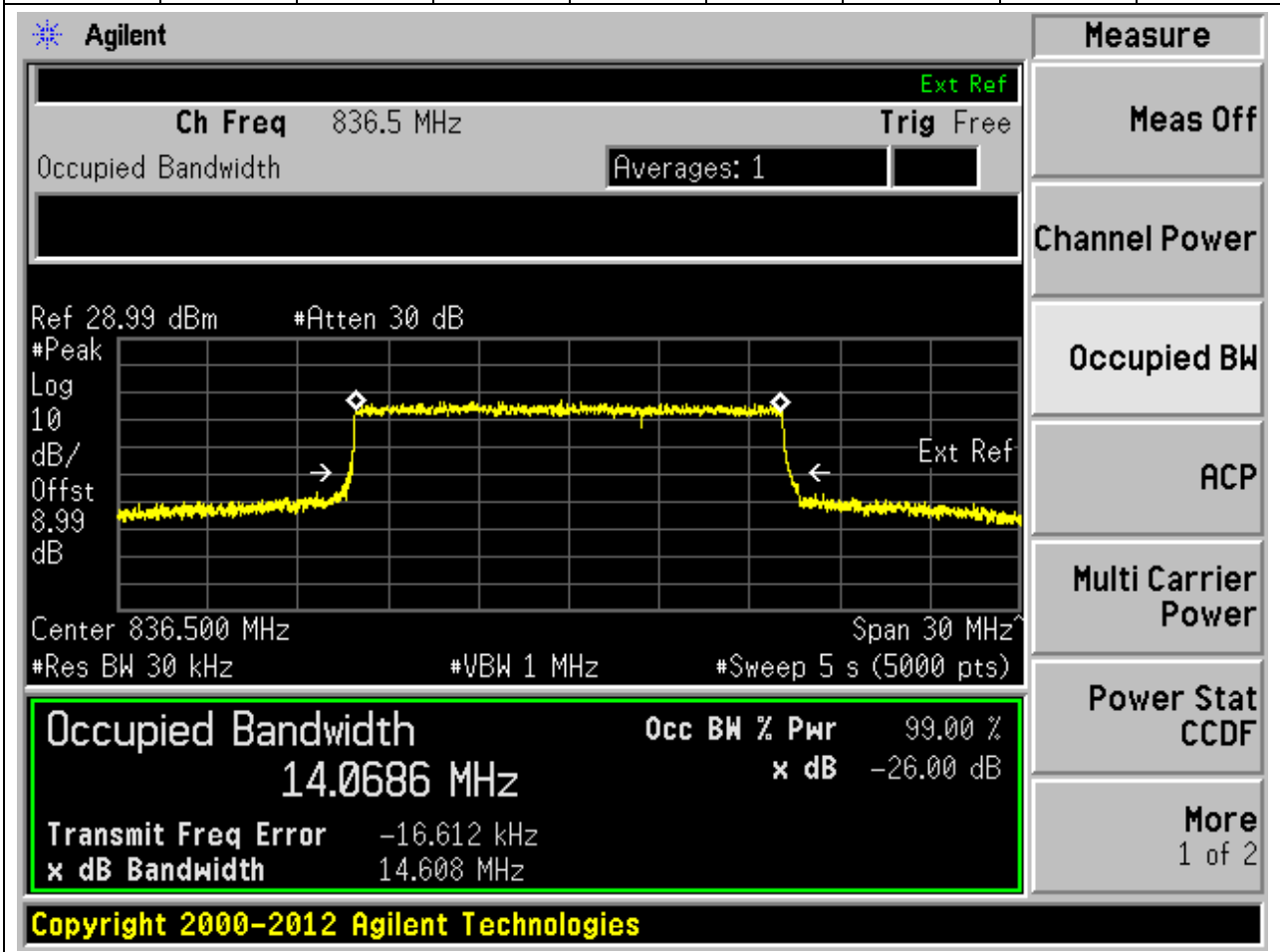
Copyright 2000-2012 Agilent Technologies

**Measure**

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

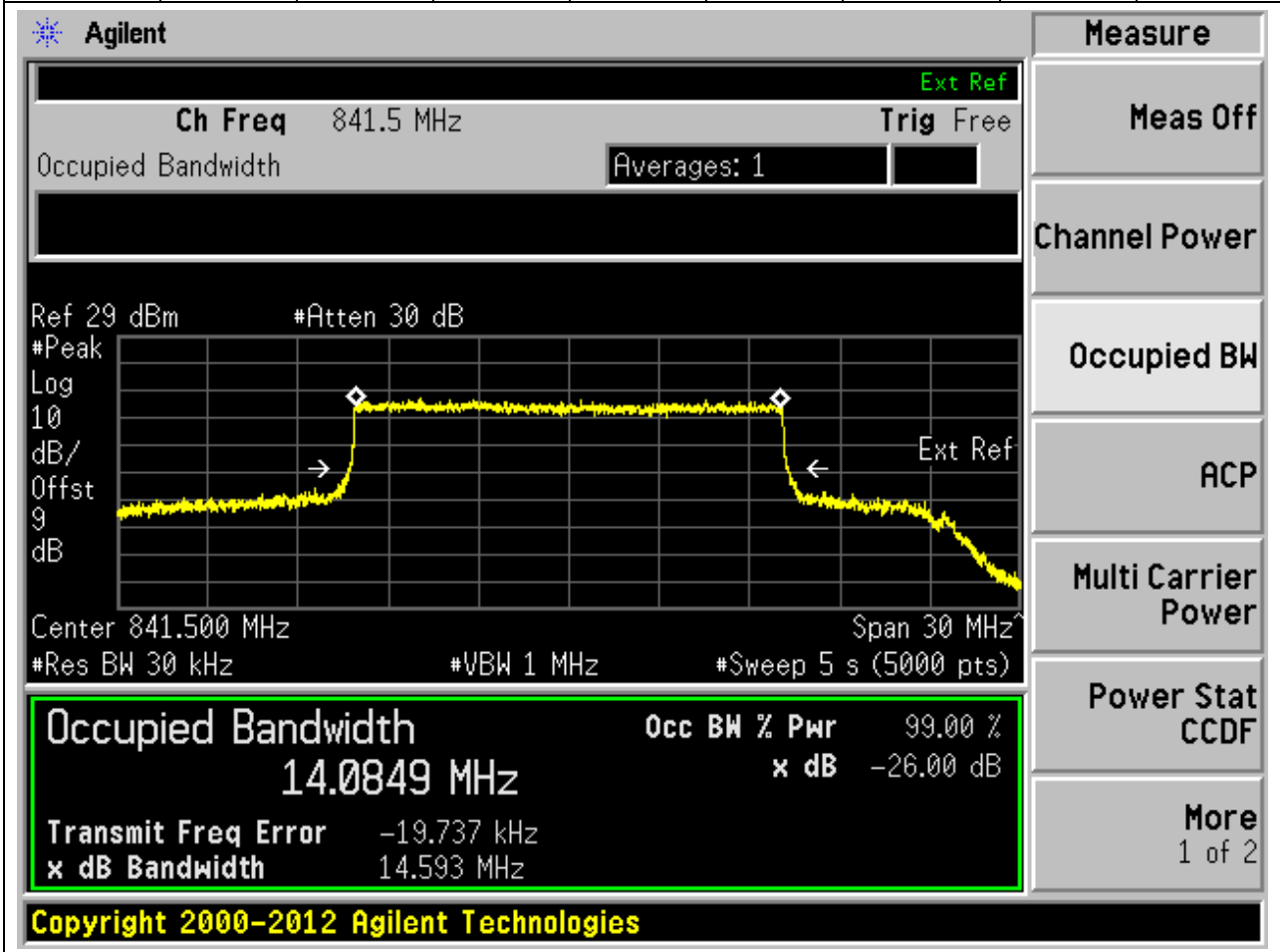
**1.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.61	15	Pass



**1.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.08	14.59	15	Pass





**1.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

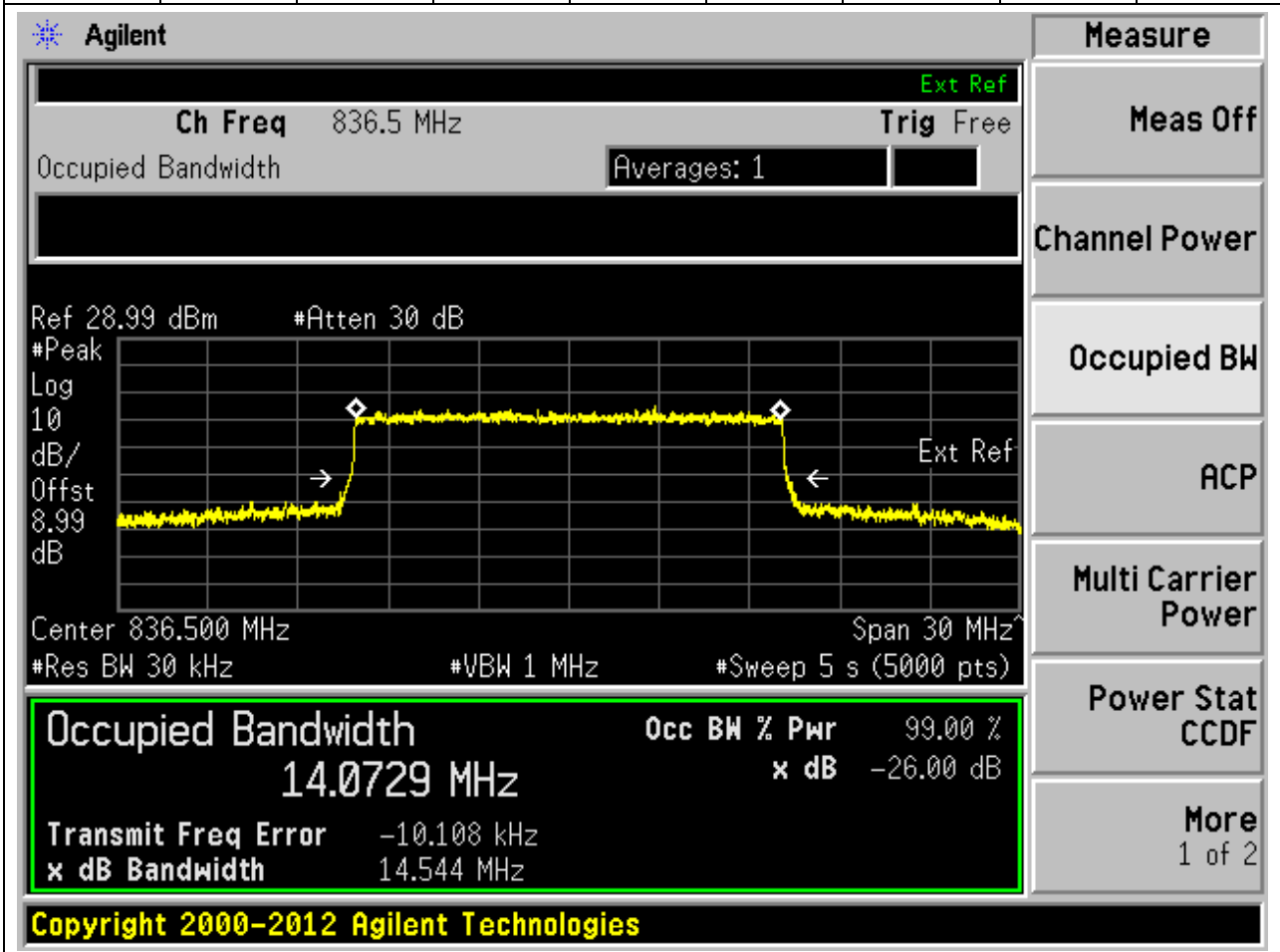
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.09	14.53	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 831.500 MHz with a span of 30 MHz. The signal level is approximately 28.97 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 14.0872 MHz, which is 99.00% of the channel bandwidth. The XdB bandwidth is 14.533 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -4.274 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 %
14.0872 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.274 kHz	
x dB Bandwidth	14.533 MHz	

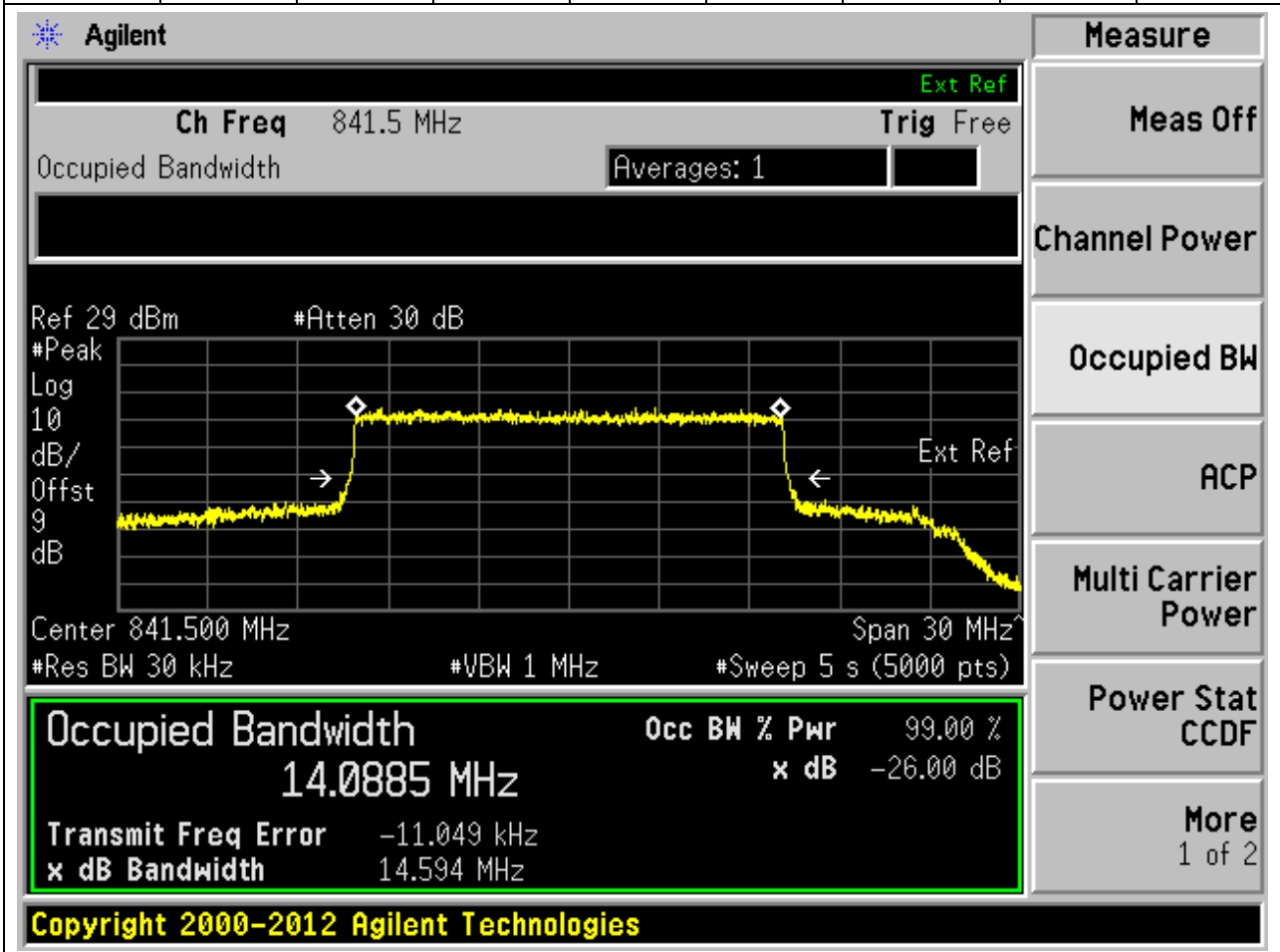
**1.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.54	15	Pass



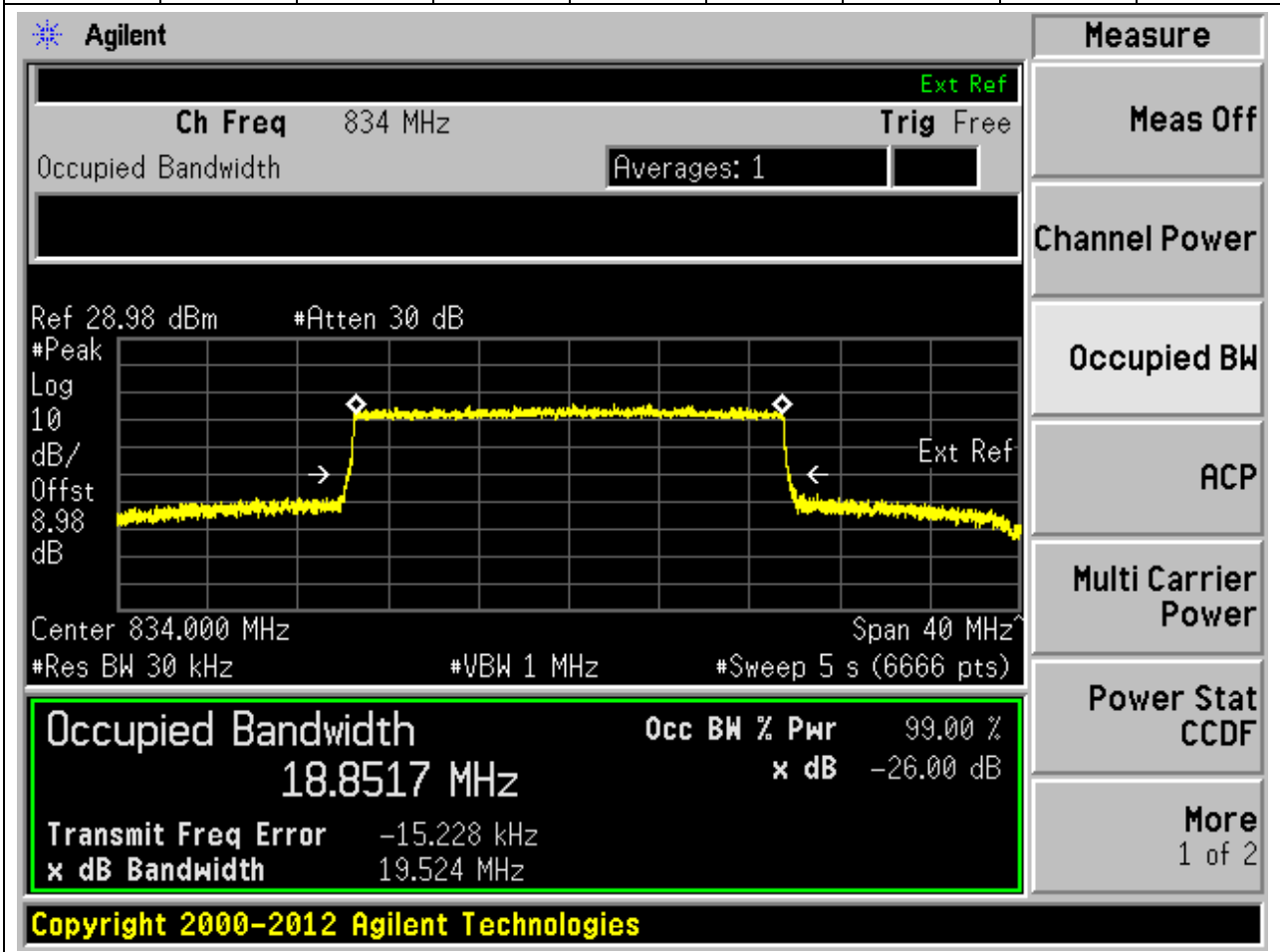
**1.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.09	14.59	15	Pass



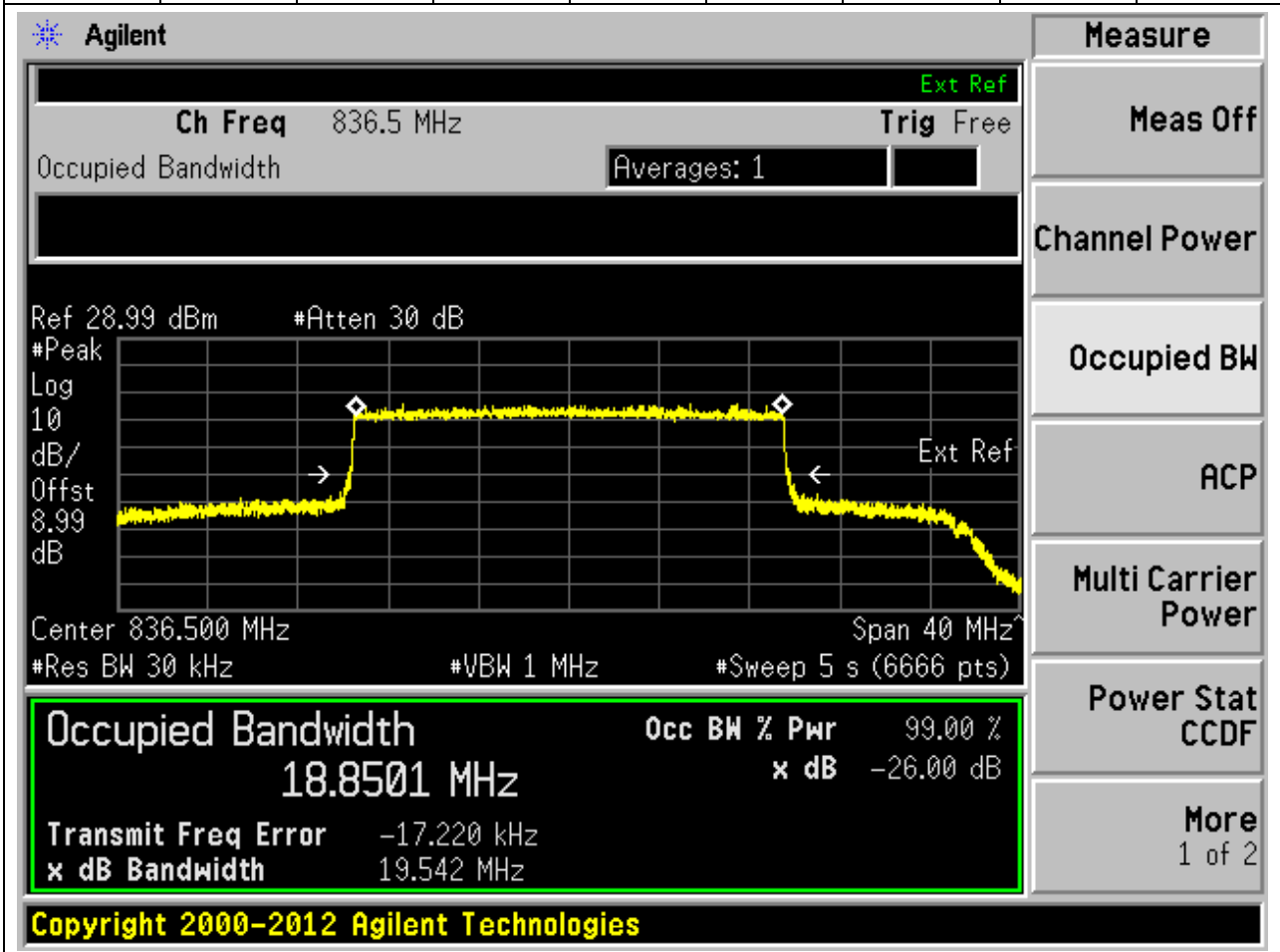
**1.37. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.85	19.52	20	Pass



**1.38. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.85	19.54	20	Pass



**1.39. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.86	19.51	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 839.000 MHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8563 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -16.776 kHz, and the XdB bandwidth is 19.507 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 %
18.8563 MHz	x dB	-26.00 dB
Transmit Freq Error	-16.776 kHz	
x dB Bandwidth	19.507 MHz	

**1.40. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.44	20	Pass

**Agilent**

Ch Freq 834 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.98 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.98 dB

Center 834.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Occupied Bandwidth** 18.8741 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -445.829 Hz

x dB Bandwidth 19.444 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

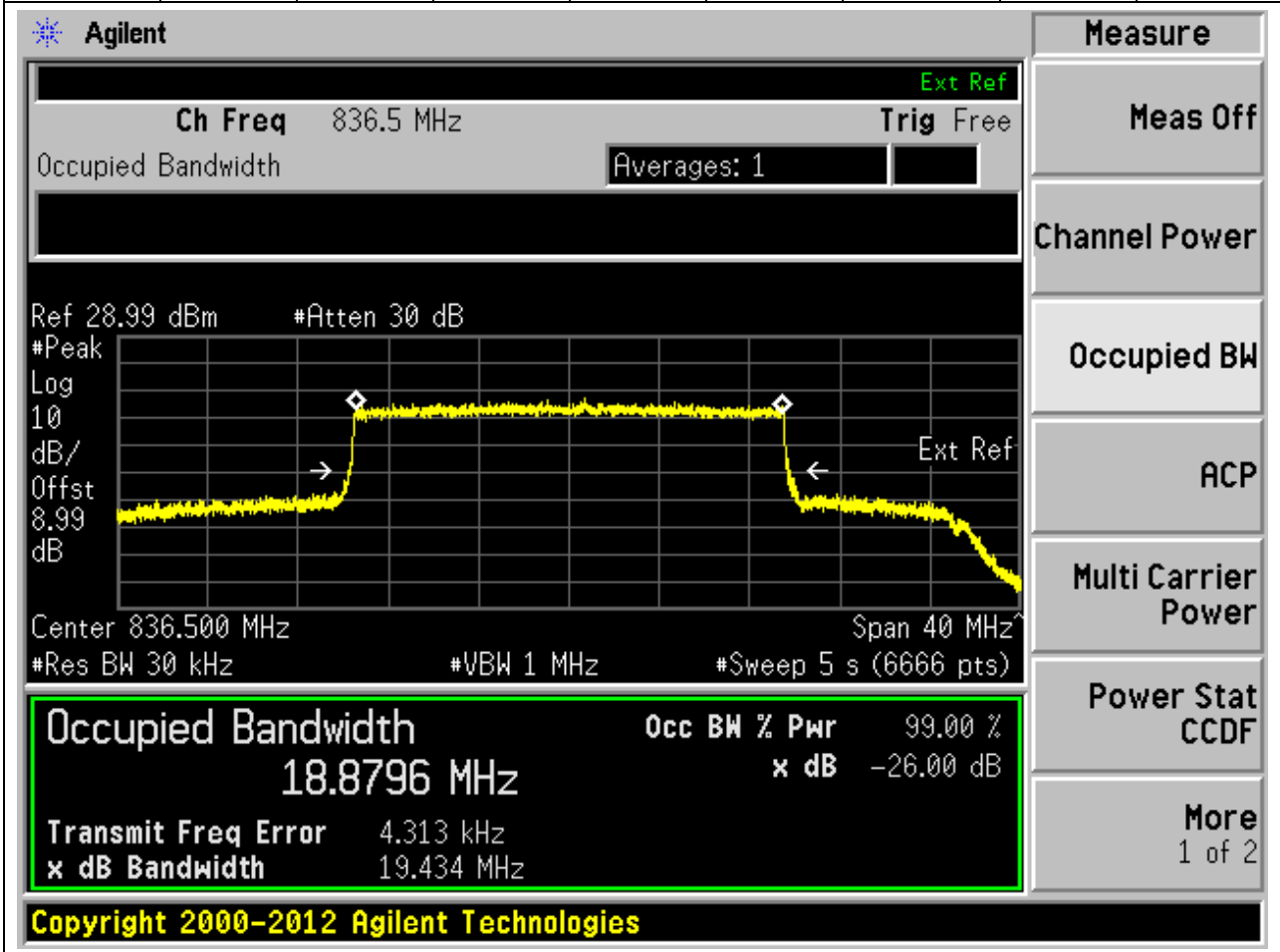
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.41. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.88	19.43	20	Pass





**1.42. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.87	19.49	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 839.000 MHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8712 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.587 kHz, and the XdB bandwidth is 19.494 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 %
18.8712 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.587 kHz	
x dB Bandwidth	19.494 MHz	

**1.43. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.86	19.55	20	Pass

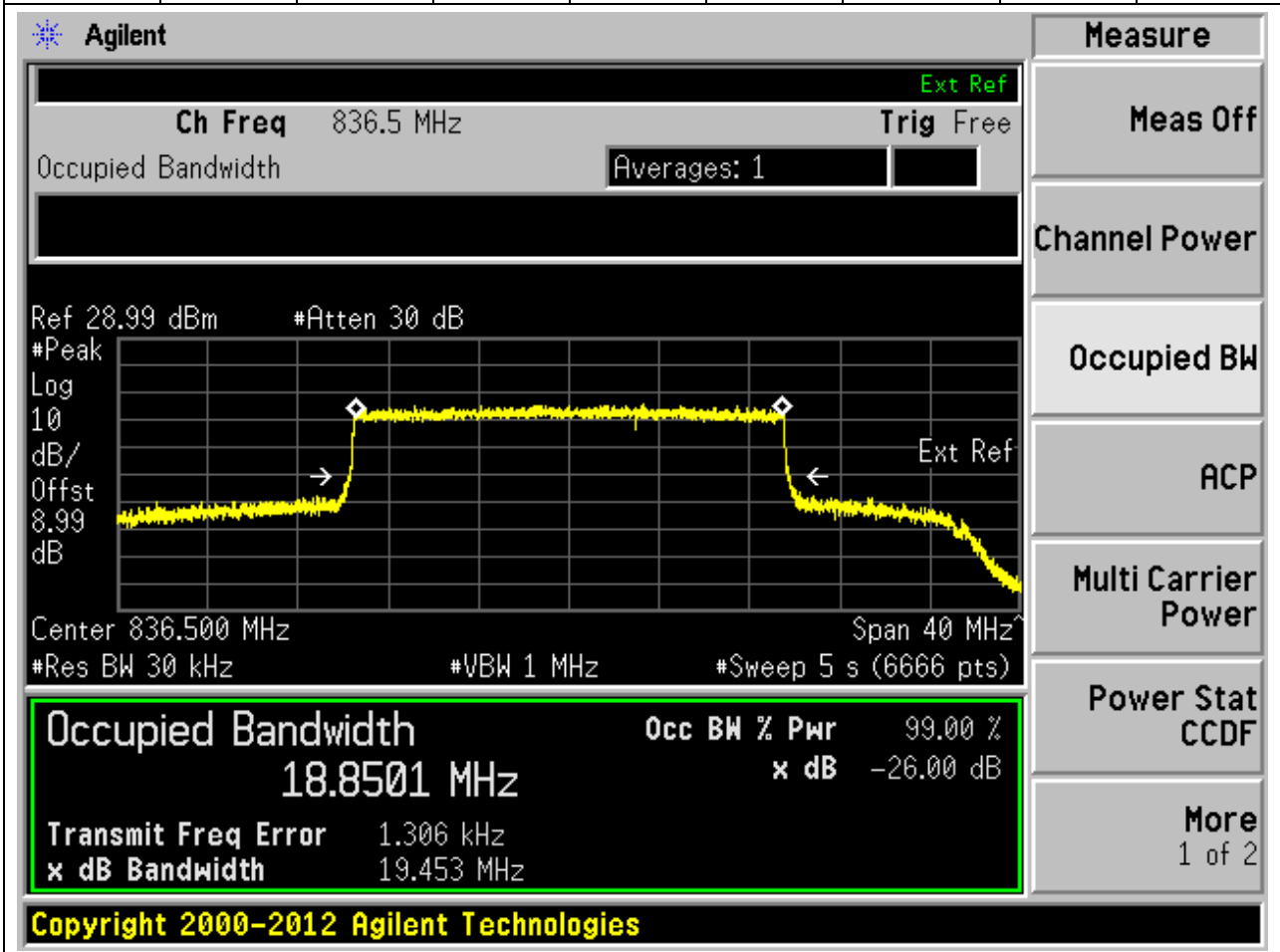
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 834.000 MHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8582 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 1.825 kHz, and the XdB bandwidth is 19.549 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8582 MHz	x dB	-26.00 dB
Transmit Freq Error	1.825 kHz	
x dB Bandwidth	19.549 MHz	

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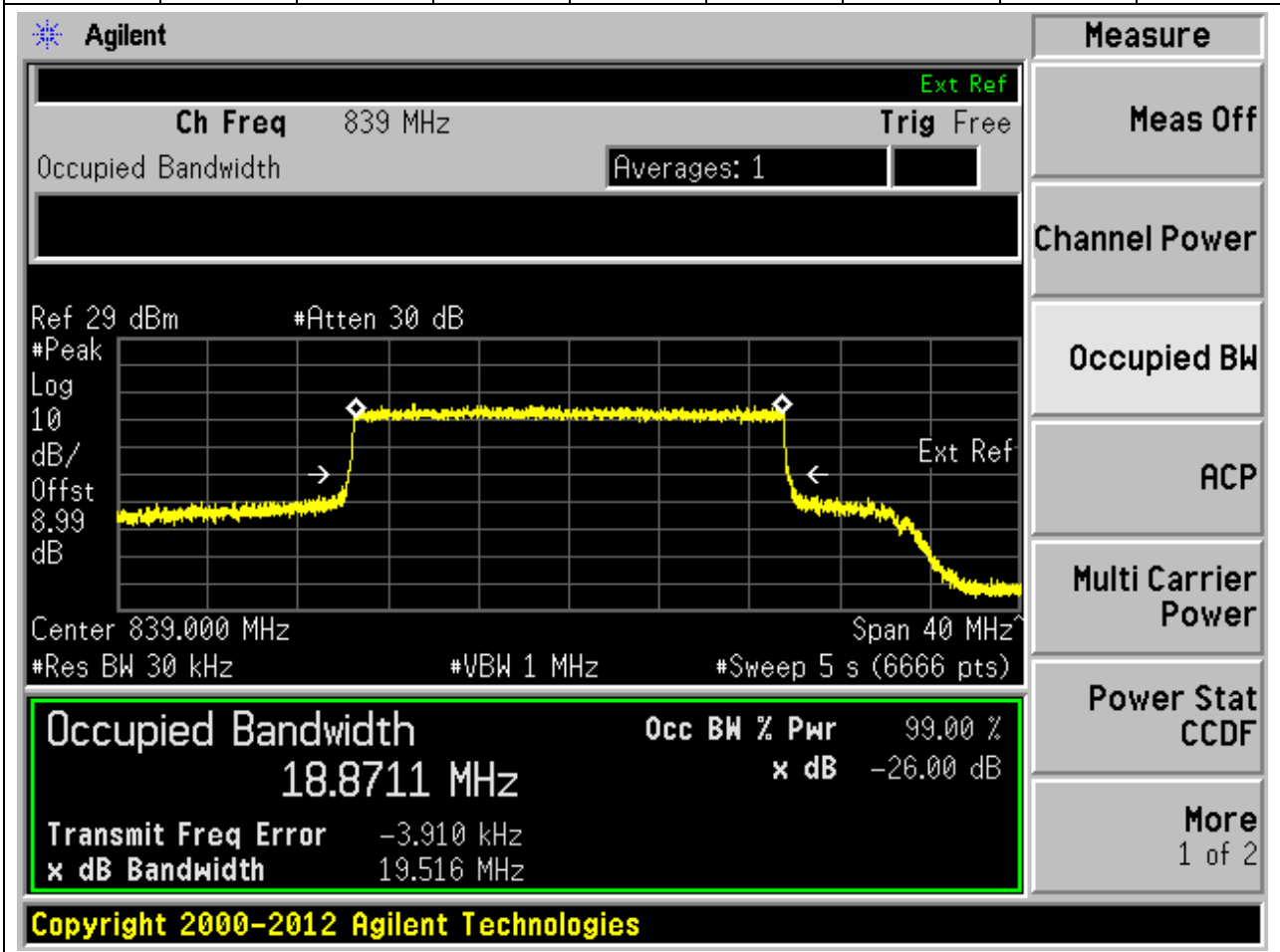
**1.44. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.85	19.45	20	Pass



**1.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.87	19.52	20	Pass



**1.46. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.47	20	Pass

**Agilent**

Ch Freq 834 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.98 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.98 dB

Center 834.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
18.8682 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-1.852 kHz
<b>x dB Bandwidth</b>		19.467 MHz

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**Measure**

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

**1.47. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.87	19.5	20	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.99 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 836.500 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Occupied Bandwidth** 18.8651 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 1.827 kHz

x dB Bandwidth 19.495 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**1.48. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.87	19.44	20	Pass

**Agilent**

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 29 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.99 dB

Center 839.000 MHz Span 40 MHz

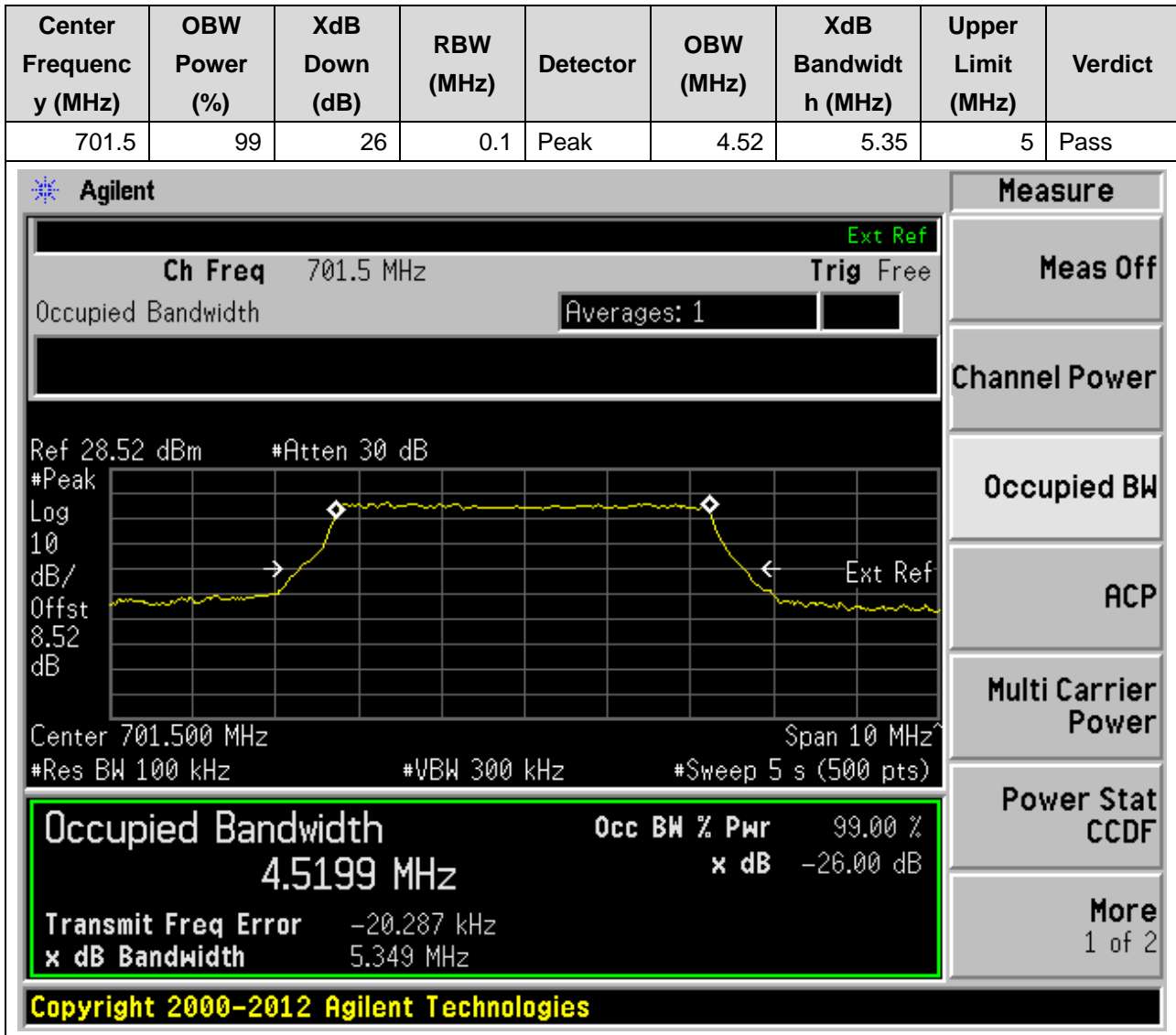
#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
18.8719 MHz	x dB	-26.00 dB
Transmit Freq Error	2.757 kHz	
x dB Bandwidth	19.442 MHz	

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## 2. n12 15kHz

2.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)





**2.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

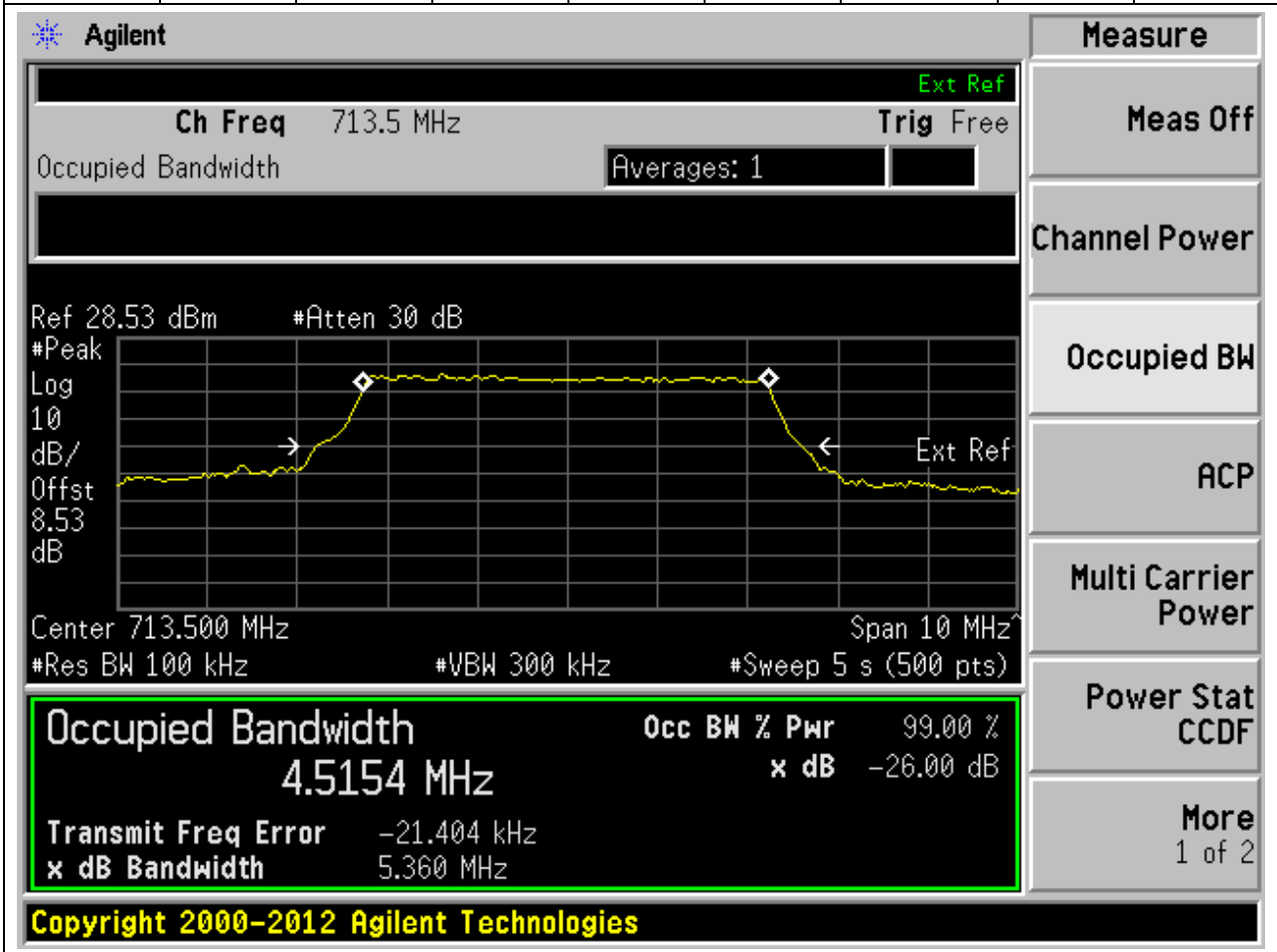
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.52	5.34	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and ranges from 8.52 to 10. The x-axis is labeled 'MHz' and ranges from 707.500 to 717.500. The plot shows a signal with a peak at approximately 707.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.5185 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -8.000 kHz and the 'x dB Bandwidth' is 5.342 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5185 MHz	99.00 %	-26.00 dB

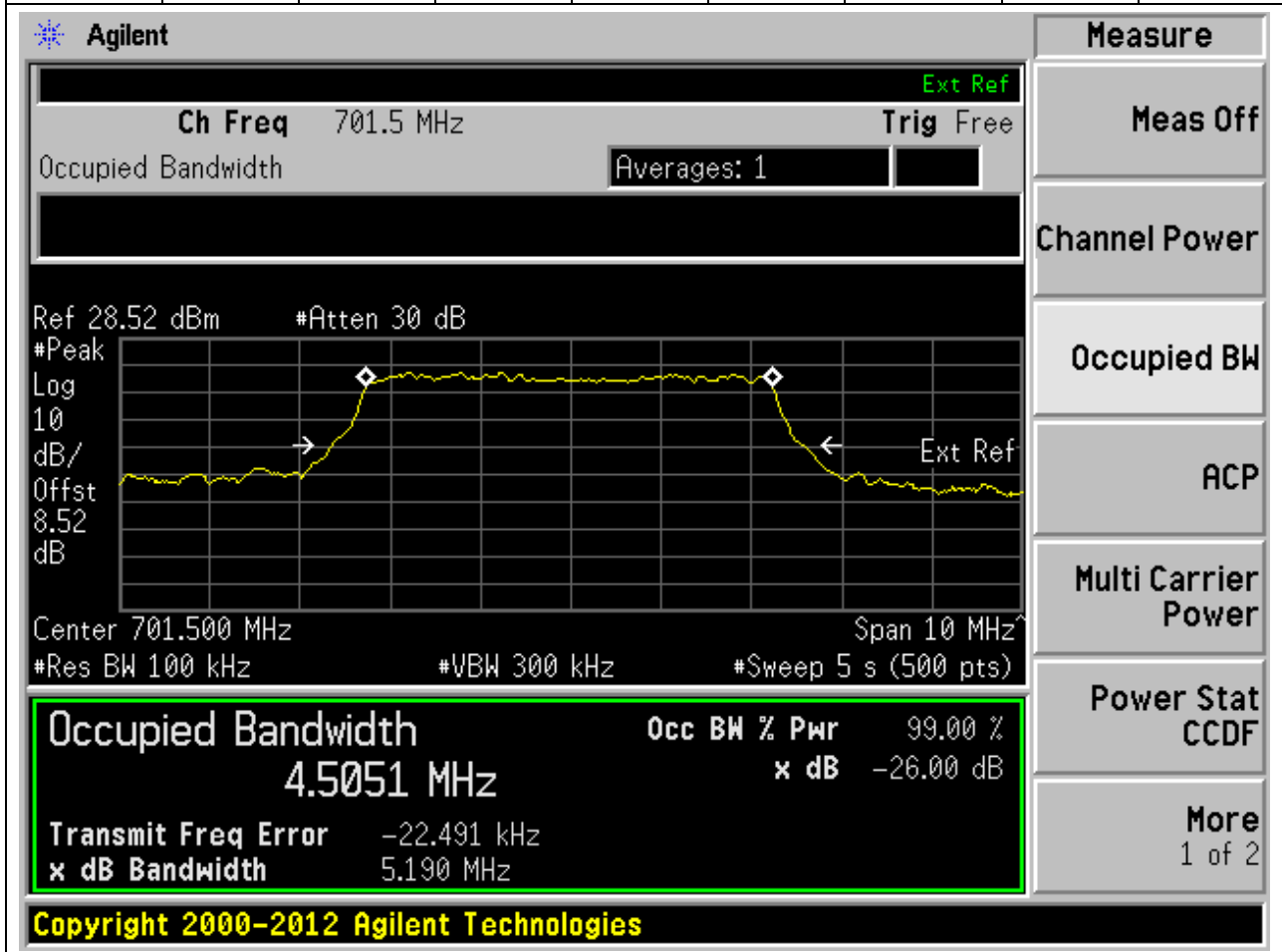
**2.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.52	5.36	5	Pass



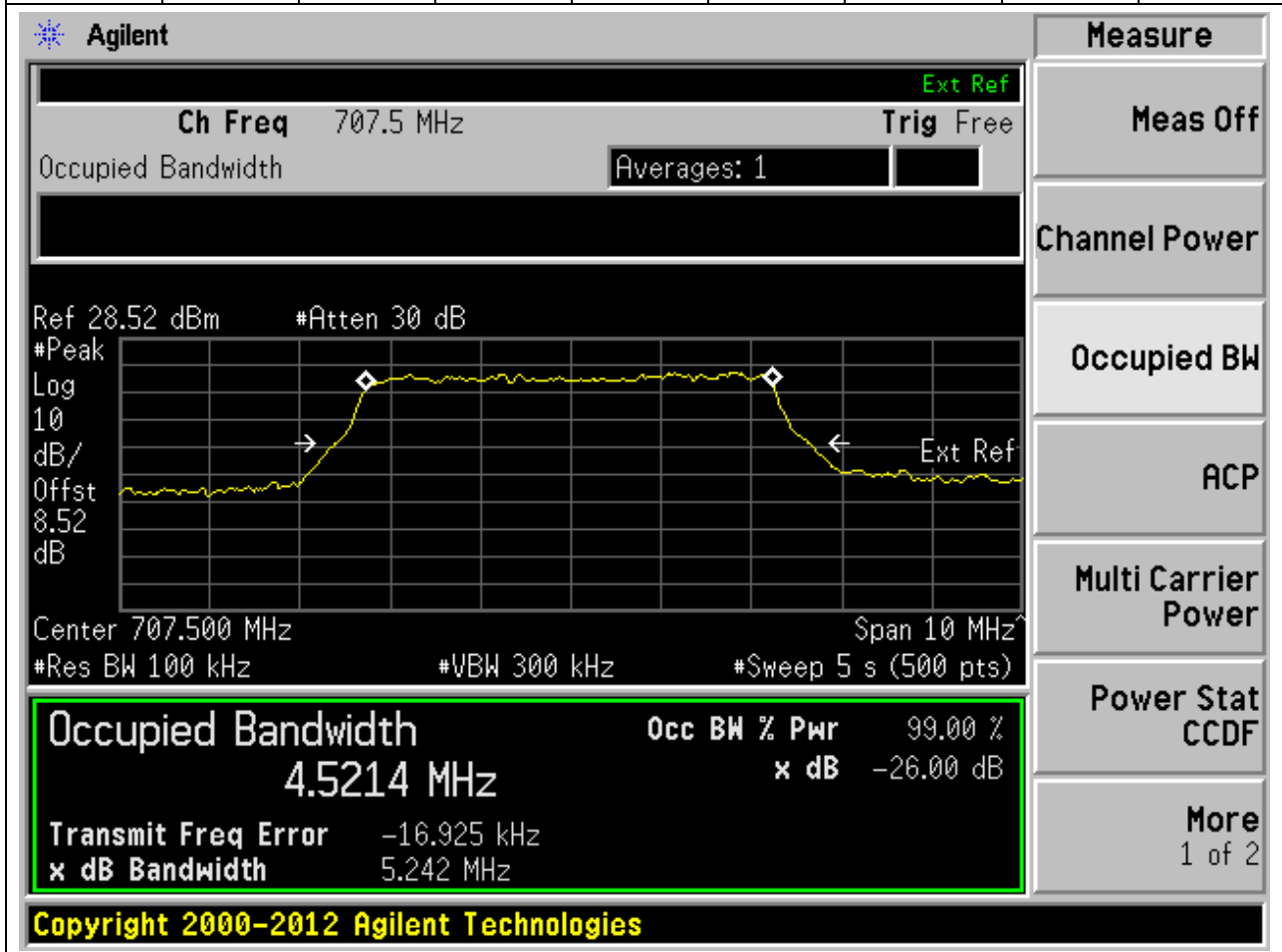
**2.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.51	5.19	5	Pass



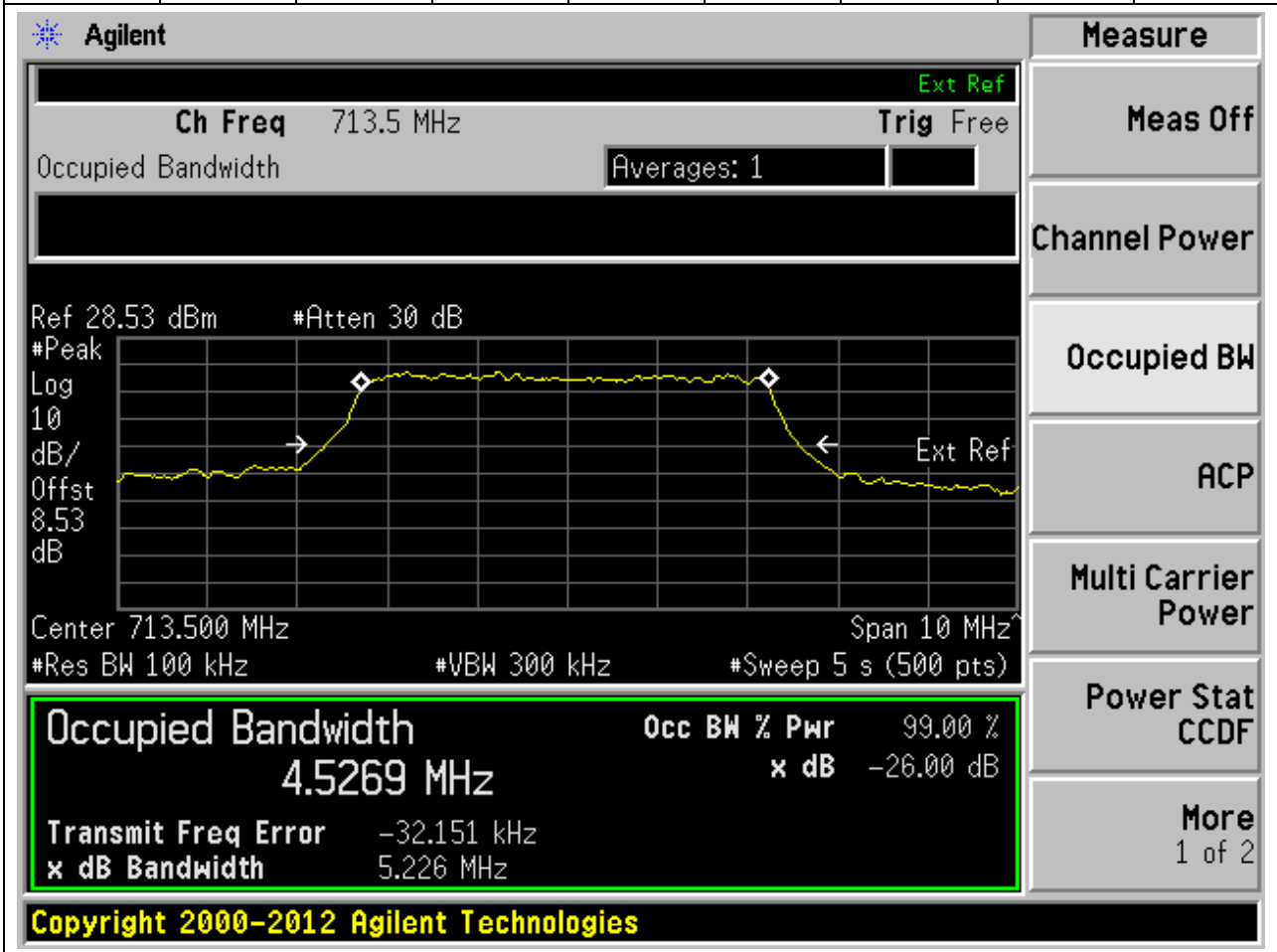
**2.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.52	5.24	5	Pass



**2.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.53	5.23	5	Pass



**2.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.49	5.28	5	Pass

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

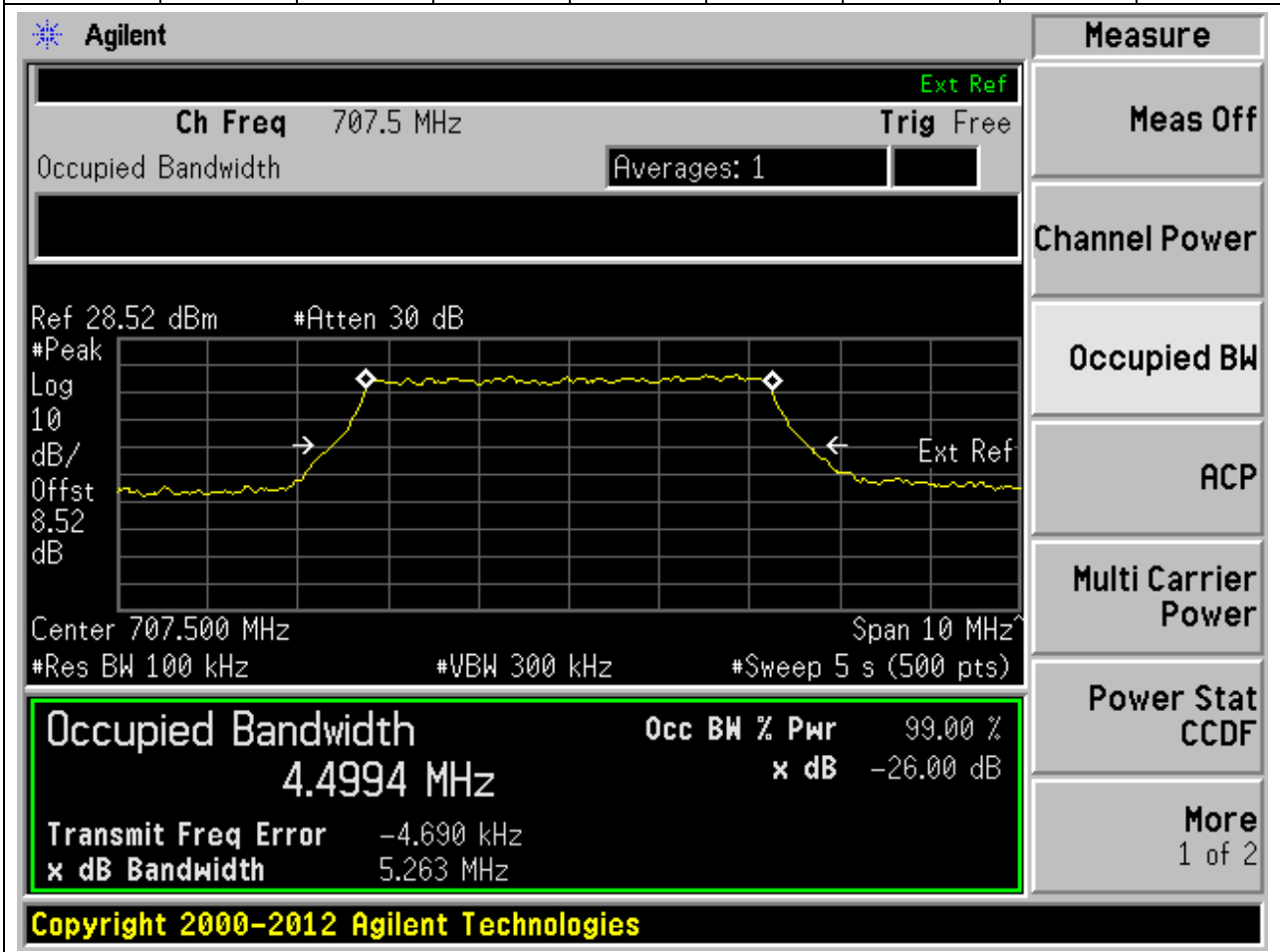
Measurement	Value
Occupied Bandwidth	4.4928 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-13.248 kHz
x dB Bandwidth	5.277 MHz

Other visible parameters include: Ch Freq 701.5 MHz, Trig Free, Averages: 1, Ref 28.52 dBm, #Atten 30 dB, Center 701.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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**2.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.26	5	Pass



**2.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	5.3	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst 8.53 dB'. The x-axis is labeled 'Center 713.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at approximately 713.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.4924 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -16.759 kHz and the 'x dB Bandwidth' is 5.298 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4924 MHz	99.00 %	-26.00 dB



**2.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.52	5.27	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled '#Peak Log 10 dB/Offst 8.52 dB'. The x-axis is labeled 'Center 701.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at 701.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.5175 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -12.344 kHz and the 'x dB Bandwidth' is 5.275 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5175 MHz	99.00 %	-26.00 dB

**2.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

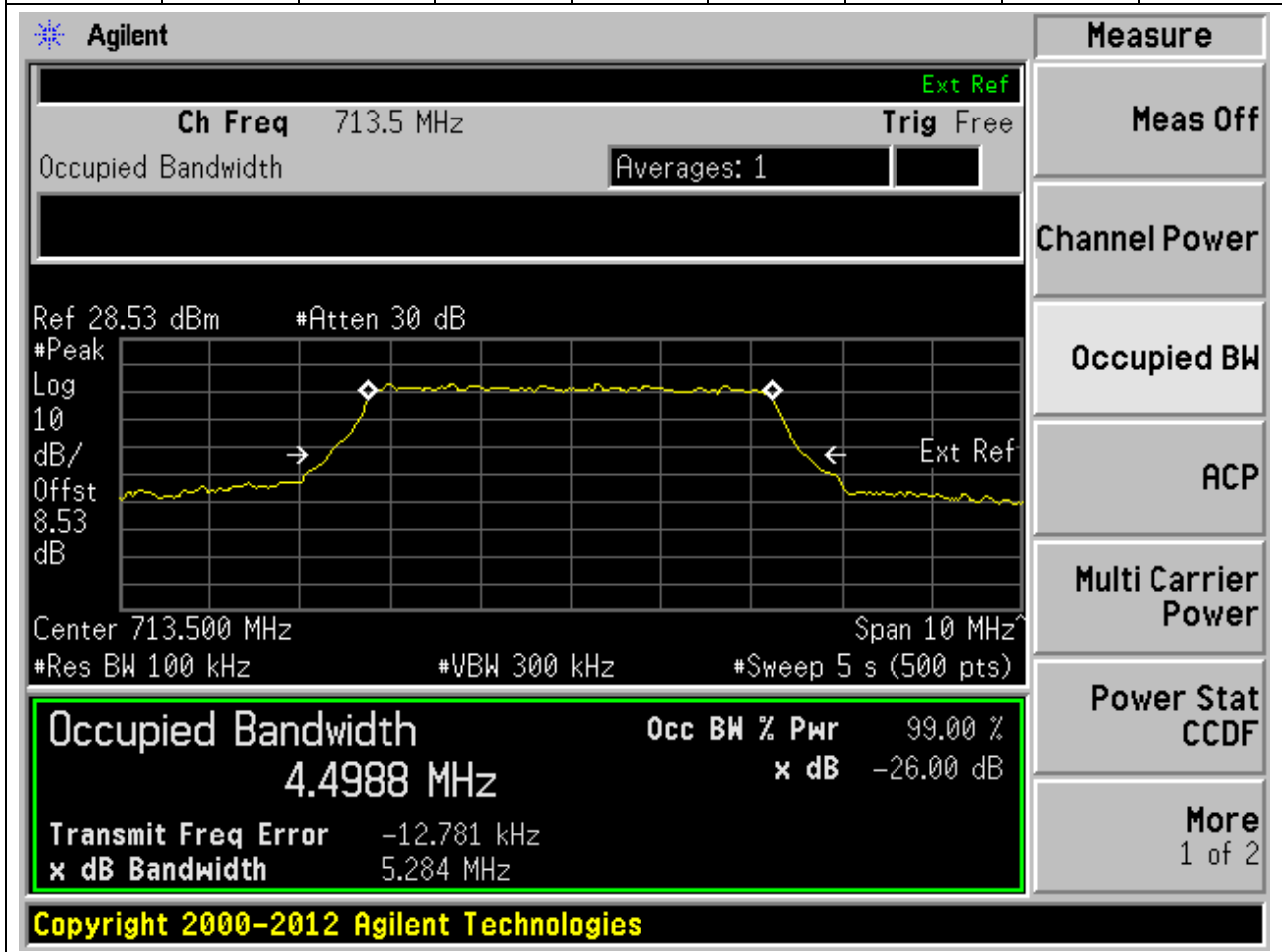
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.52	5.3	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and ranges from 8.52 to 10. The x-axis is labeled 'Center' and ranges from 707.500 MHz to 717.500 MHz. The plot shows a signal with a peak at approximately 707.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.5170 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 2.605 kHz and the 'x dB Bandwidth' is 5.295 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5170 MHz	99.00 %	-26.00 dB

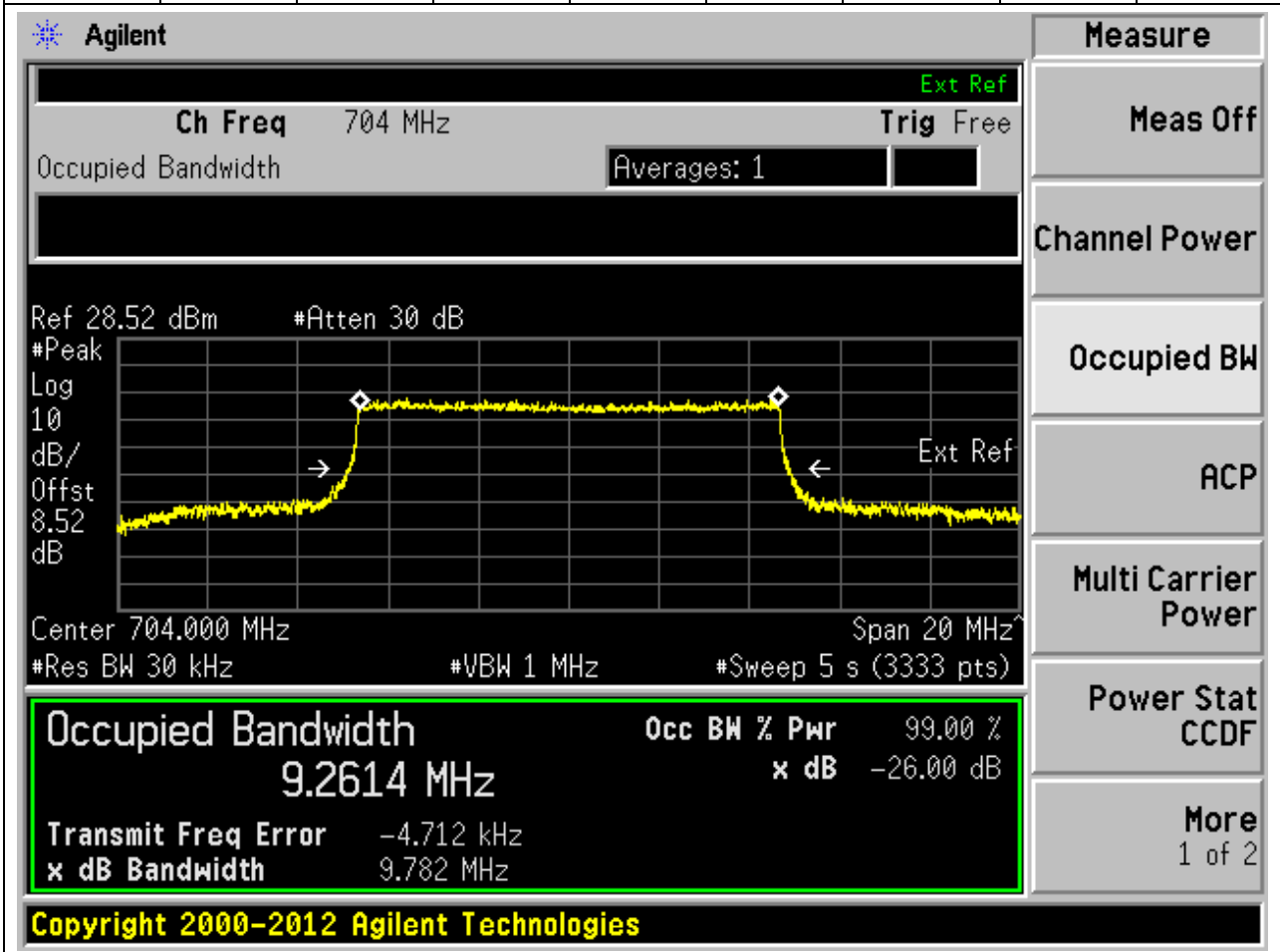
**2.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142700, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

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	4.5	5.28	5	Pass



**2.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.26	9.78	10	Pass



**2.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.25	9.77	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 707.5 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2549 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 574.343 Hz, and the XdB bandwidth is 9.775 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.2549 MHz	x dB	-26.00 dB
Transmit Freq Error	574.343 Hz	
x dB Bandwidth	9.775 MHz	

**2.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

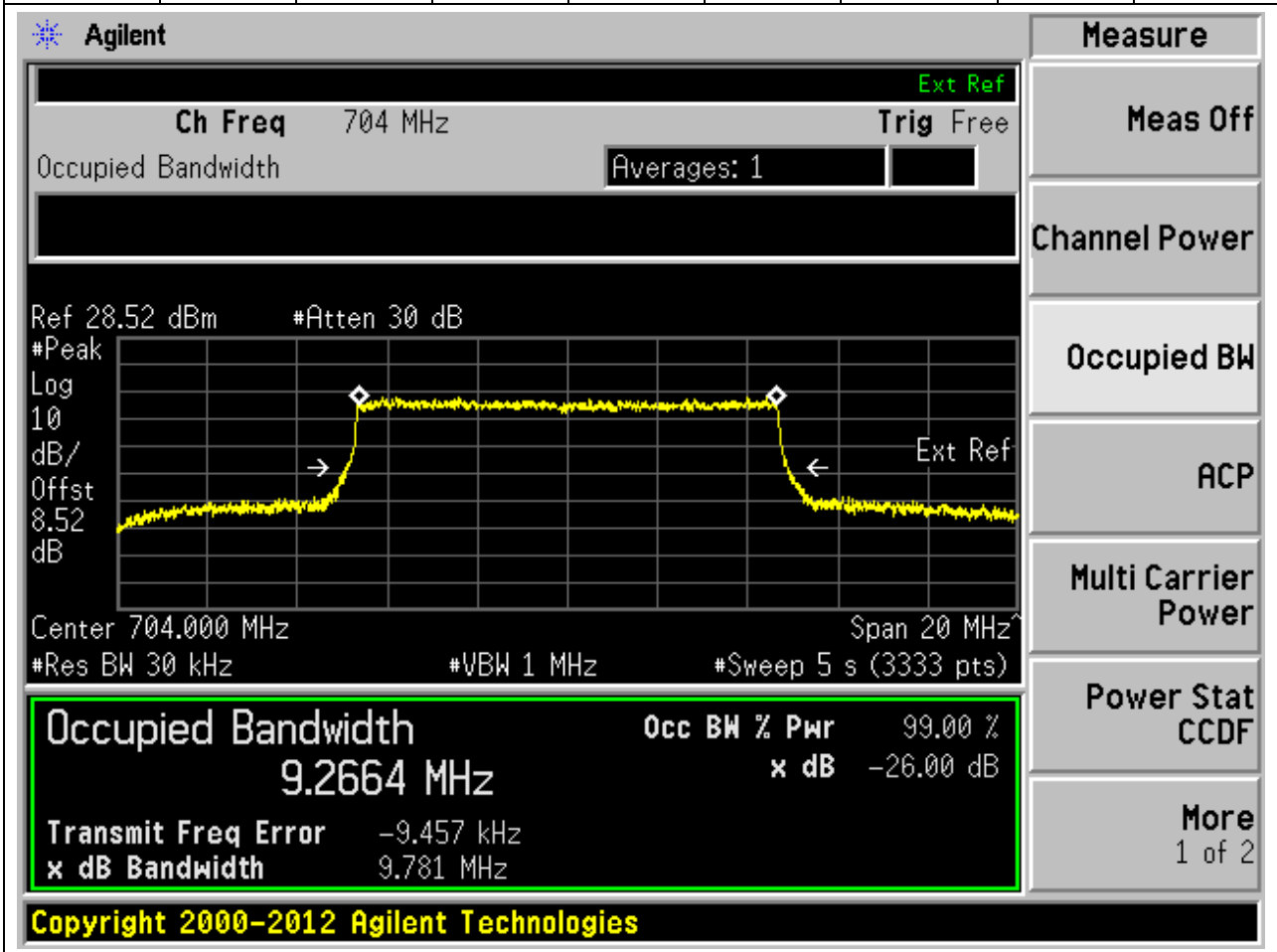
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.03	Peak	9.24	9.7	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a yellow signal trace on a grid. The center frequency is 711.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2382 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.307 kHz. The XdB bandwidth is 9.700 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 %
9.2382 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.307 kHz	
x dB Bandwidth	9.700 MHz	

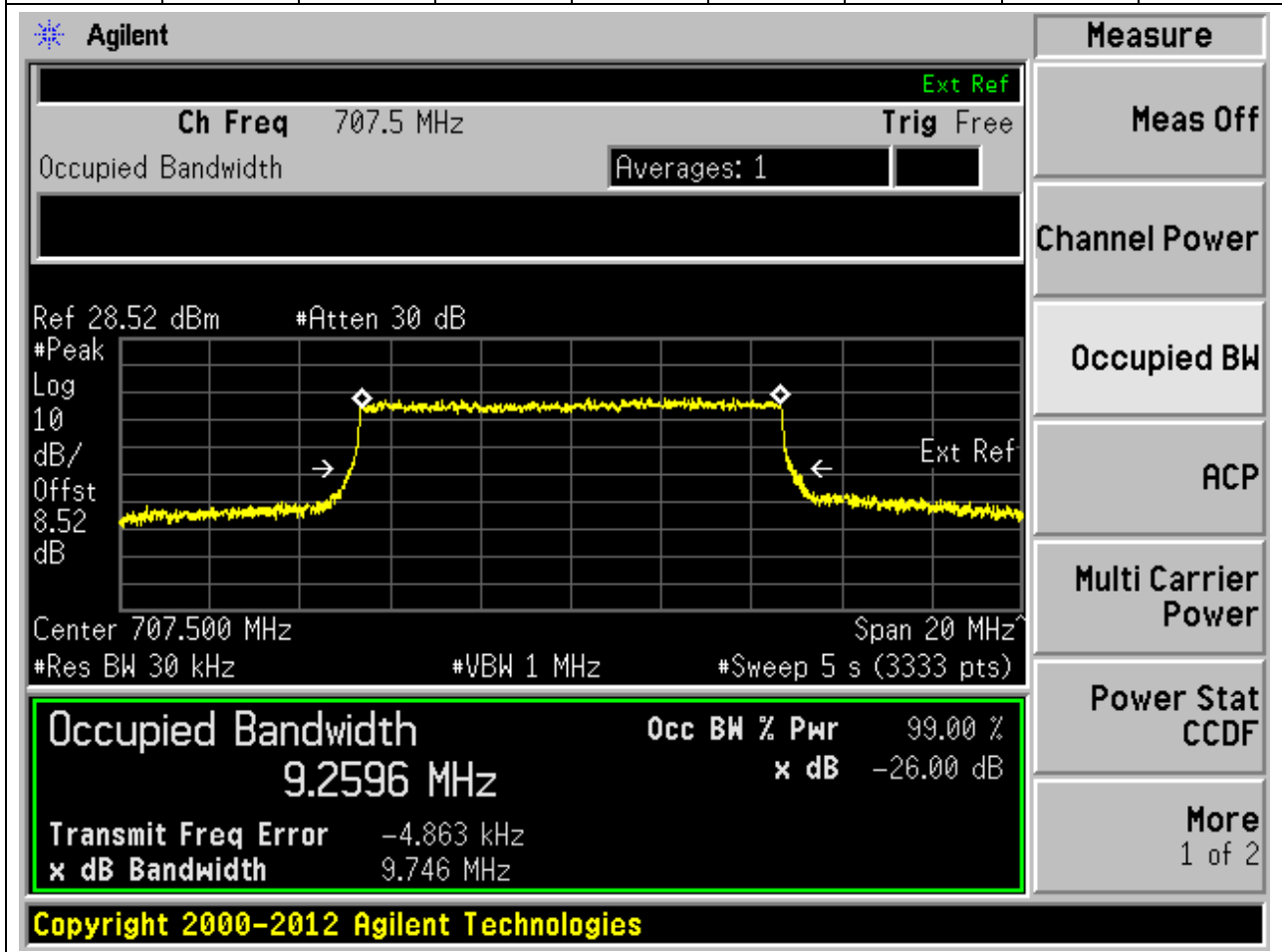
**2.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.03	Peak	9.27	9.78	10	Pass



**2.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

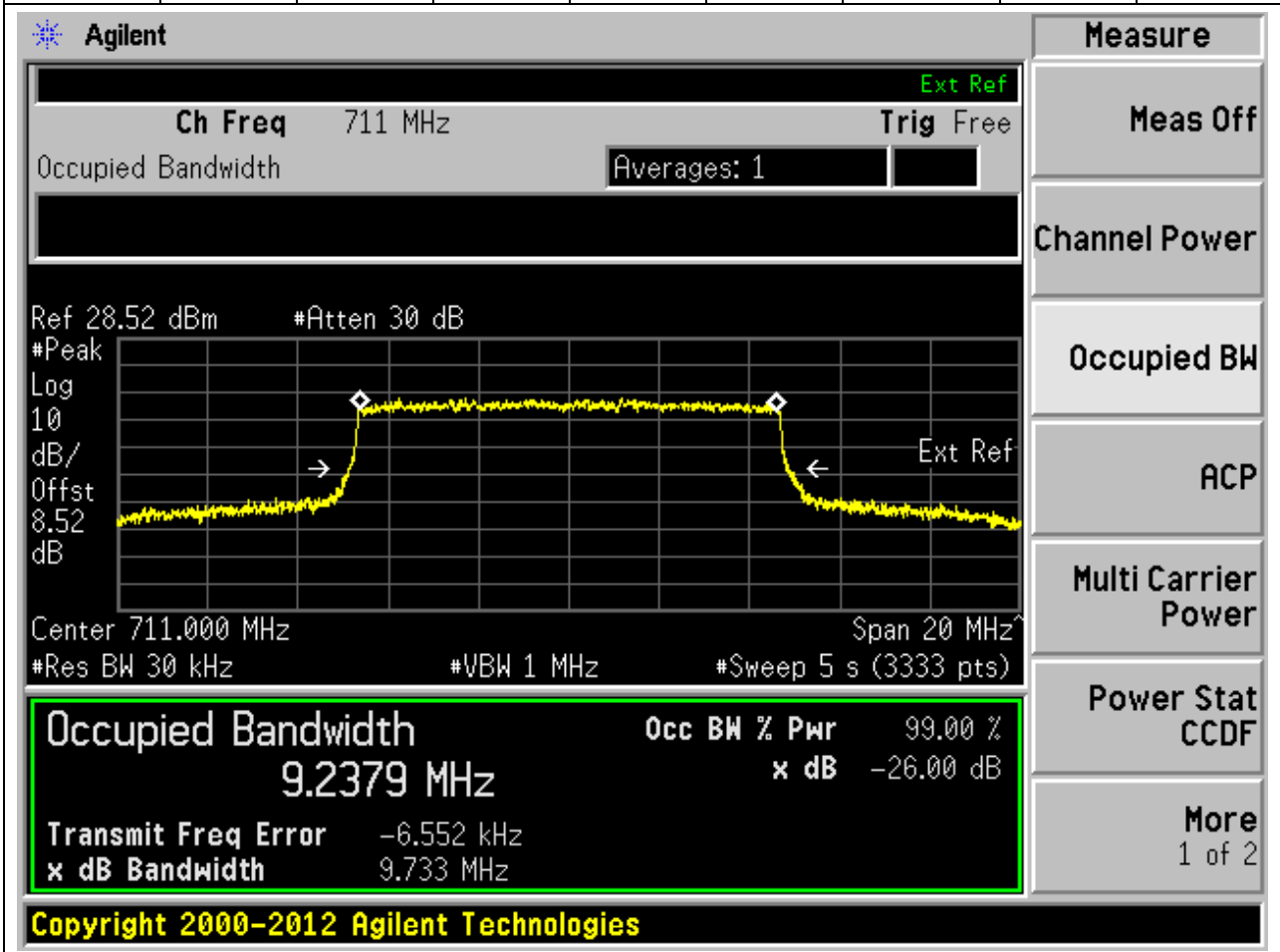
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	9.26	9.75	10	Pass





**2.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, 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	0.03	Peak	9.24	9.73	10	Pass



**2.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

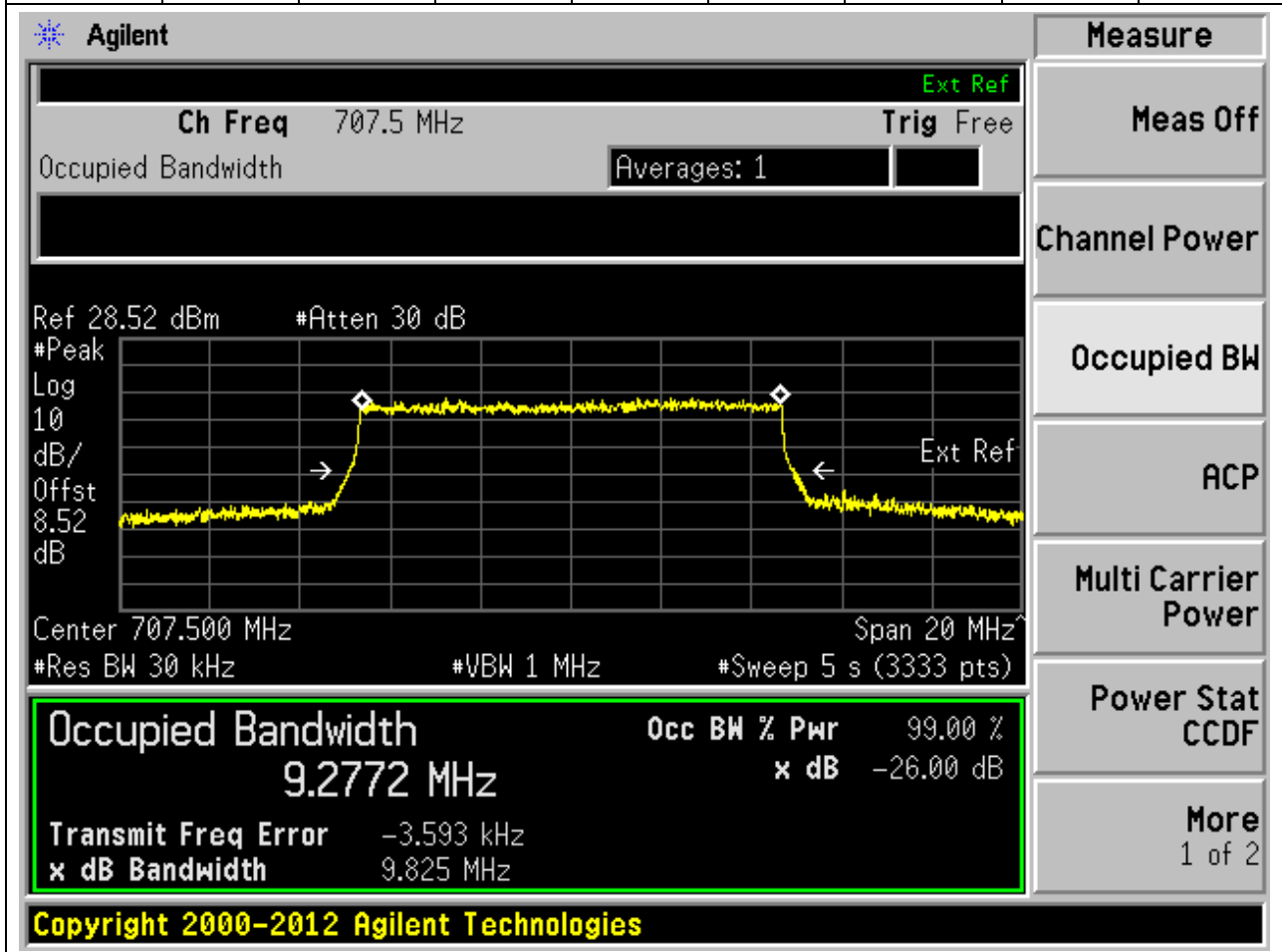
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.03	Peak	9.28	9.69	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 704.000 MHz and the span is 20 MHz. The occupied bandwidth is measured as 9.2837 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -6.385 kHz. The XdB bandwidth is 9.691 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 %
9.2837 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.385 kHz	
x dB Bandwidth	9.691 MHz	

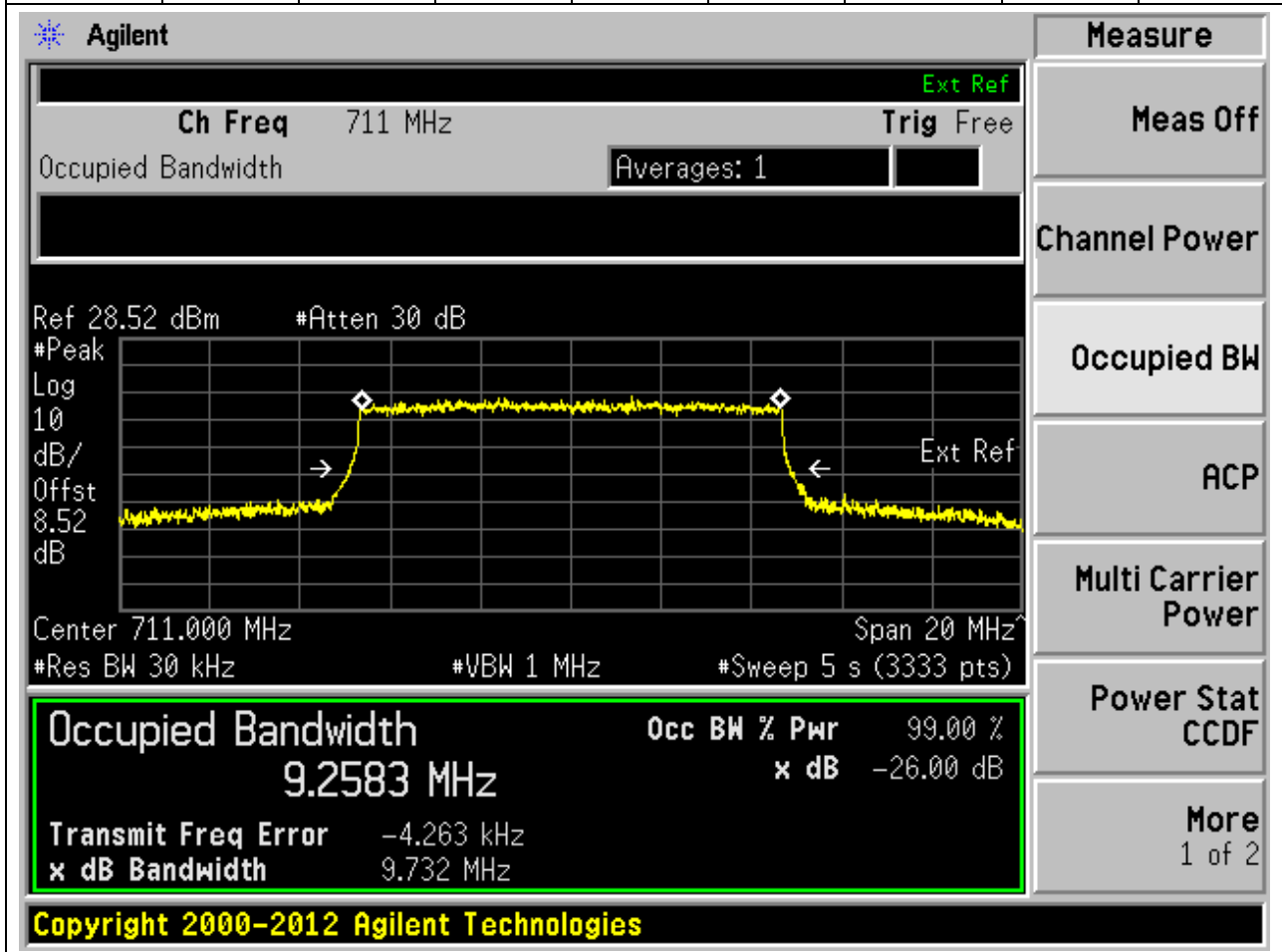
**2.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	9.28	9.82	10	Pass



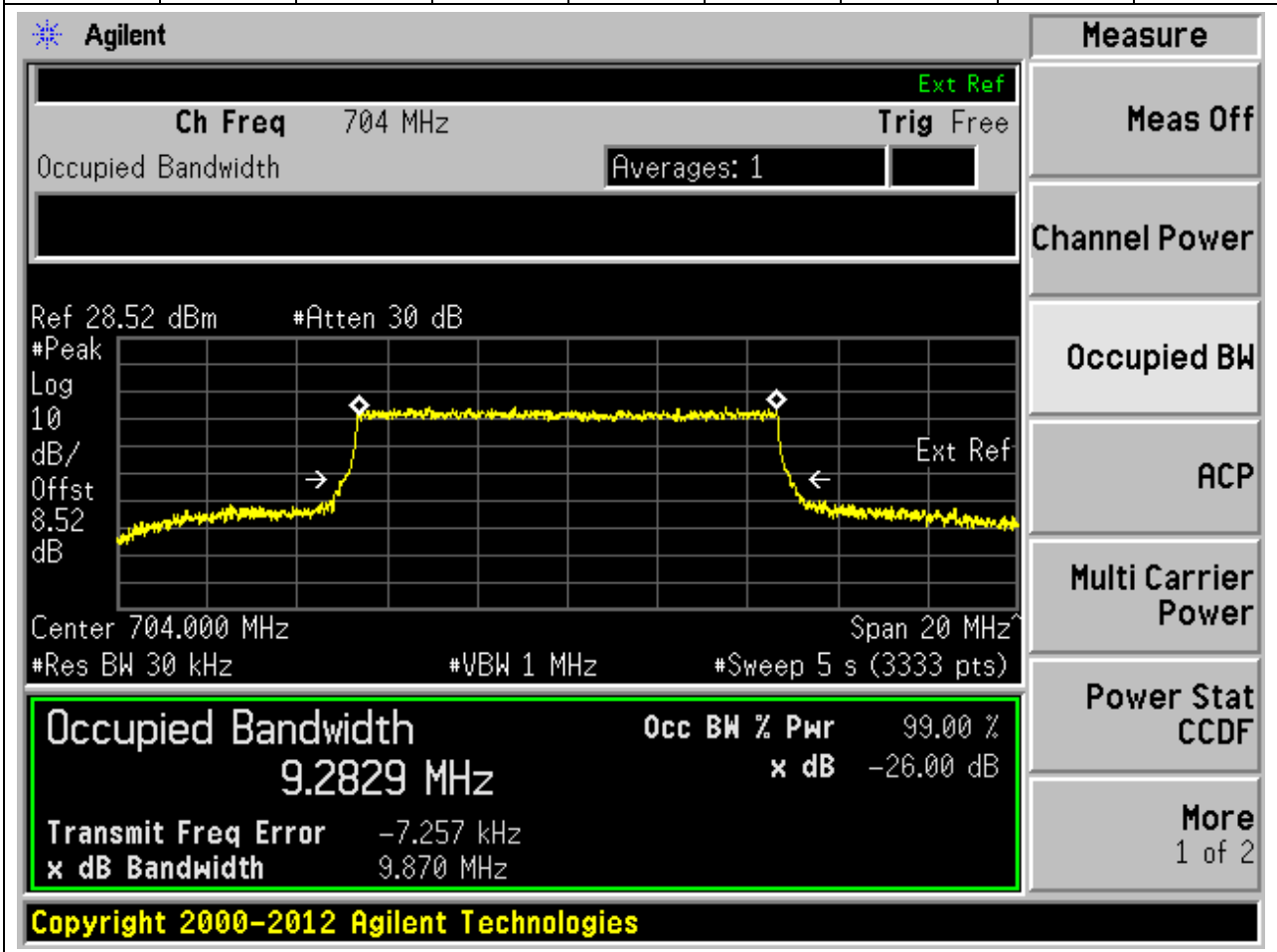
**2.21. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.03	Peak	9.26	9.73	10	Pass



**2.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:140800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, 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	0.03	Peak	9.28	9.87	10	Pass



**2.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, 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	0.03	Peak	9.28	9.8	10	Pass

**Agilent**
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.52 dBm #Atten 30 dB

Center 707.500 MHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**9.275 MHz**

Transmit Freq Error -4.376 kHz

x dB Bandwidth 9.803 MHz

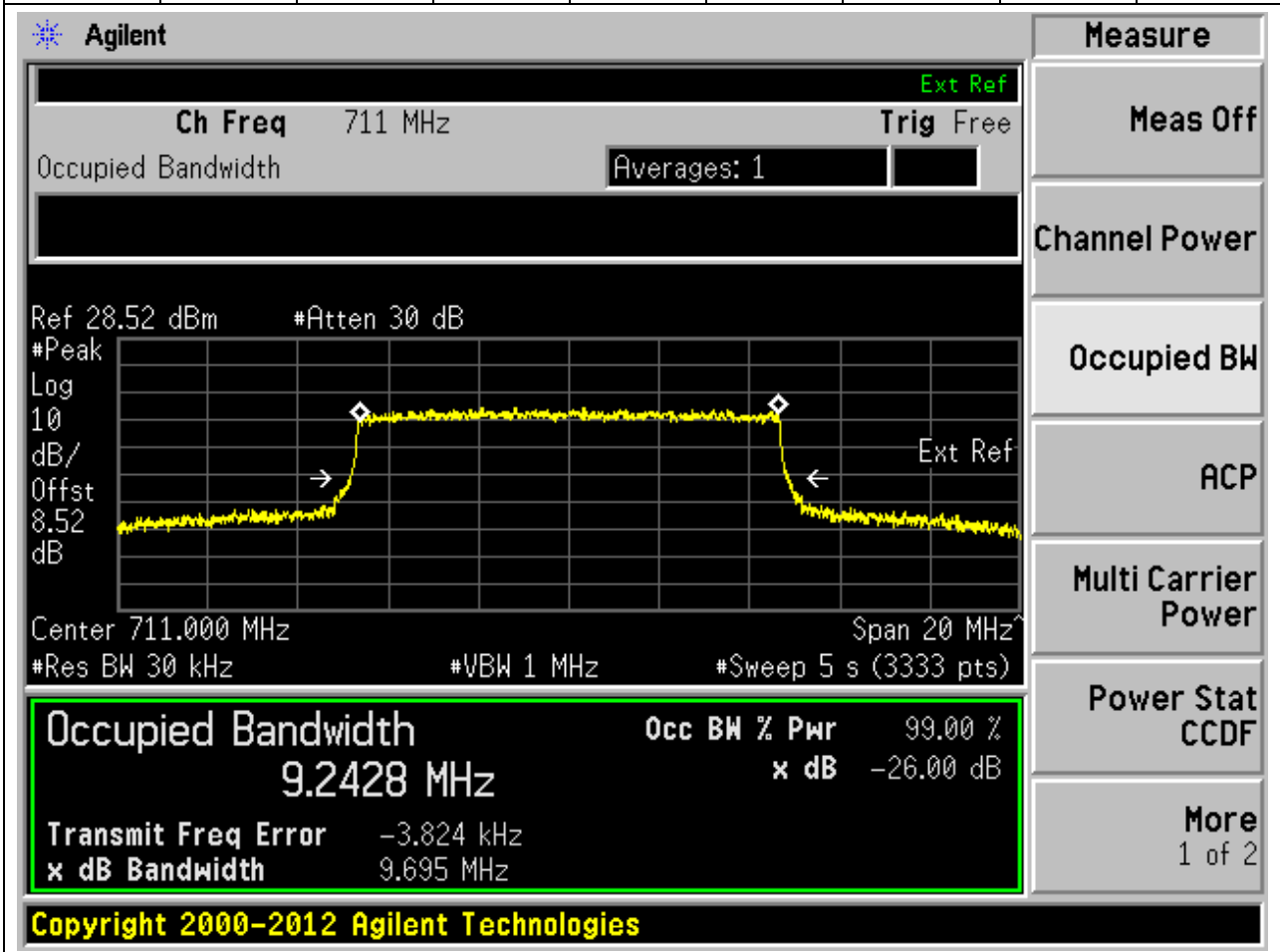
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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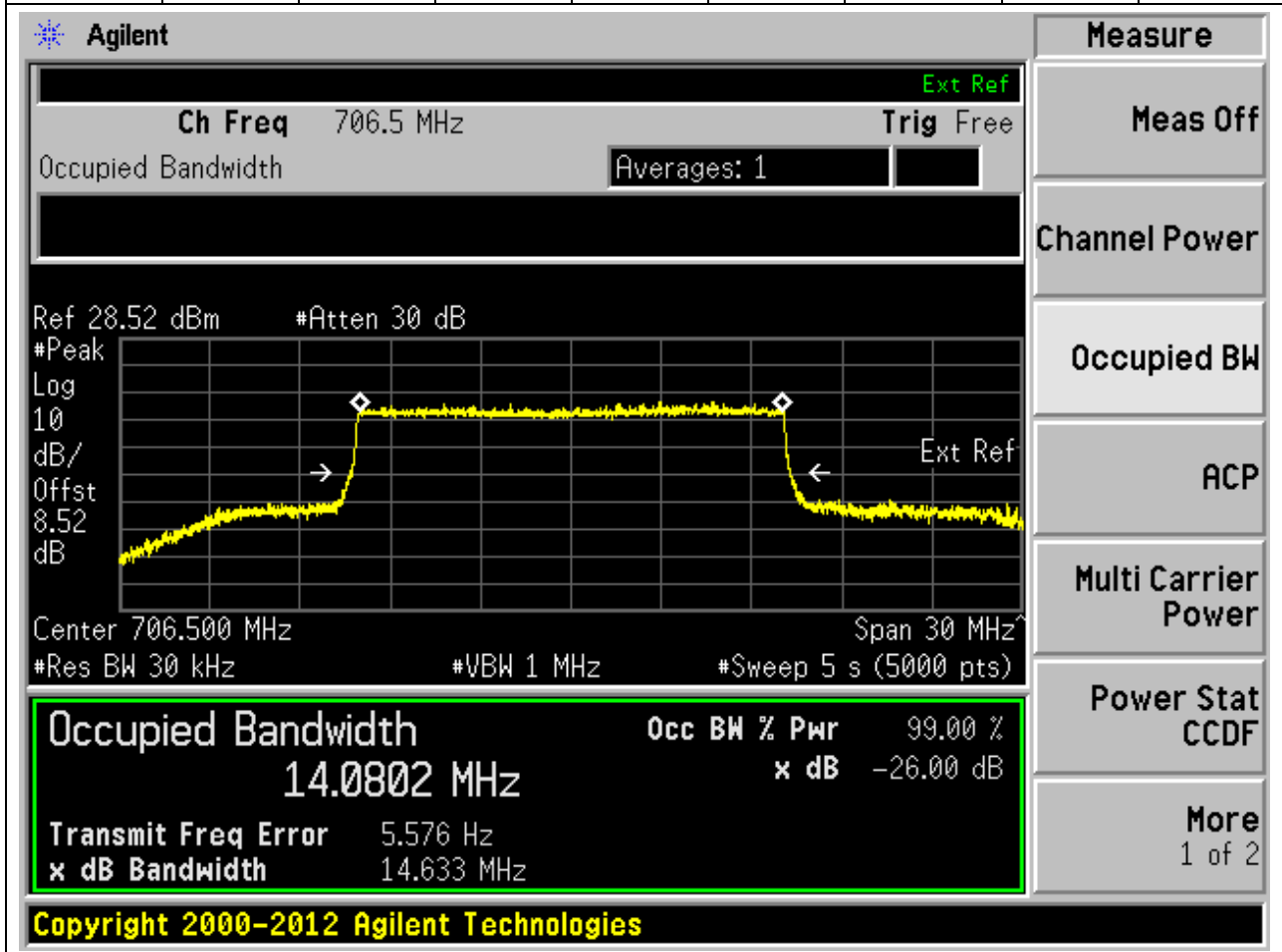
**2.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:142200, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.03	Peak	9.24	9.69	10	Pass



**2.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, 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	0.03	Peak	14.08	14.63	15	Pass





**2.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, 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	0.03	Peak	14.07	14.63	15	Pass

Agilent
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.52 dBm #Atten 30 dB

Center 707.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz

#Sweep 5 s (5000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**Occupied Bandwidth**

**14.0714 MHz**

Transmit Freq Error -2.744 kHz

x dB Bandwidth 14.635 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**2.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
708.5	99	26	0.03	Peak	14.06	14.65	15	Pass

**Agilent**

Ch Freq 708.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.52 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.52 dB

Center 708.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
14.0633 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-9.712 kHz
<b>x dB Bandwidth</b>		14.653 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

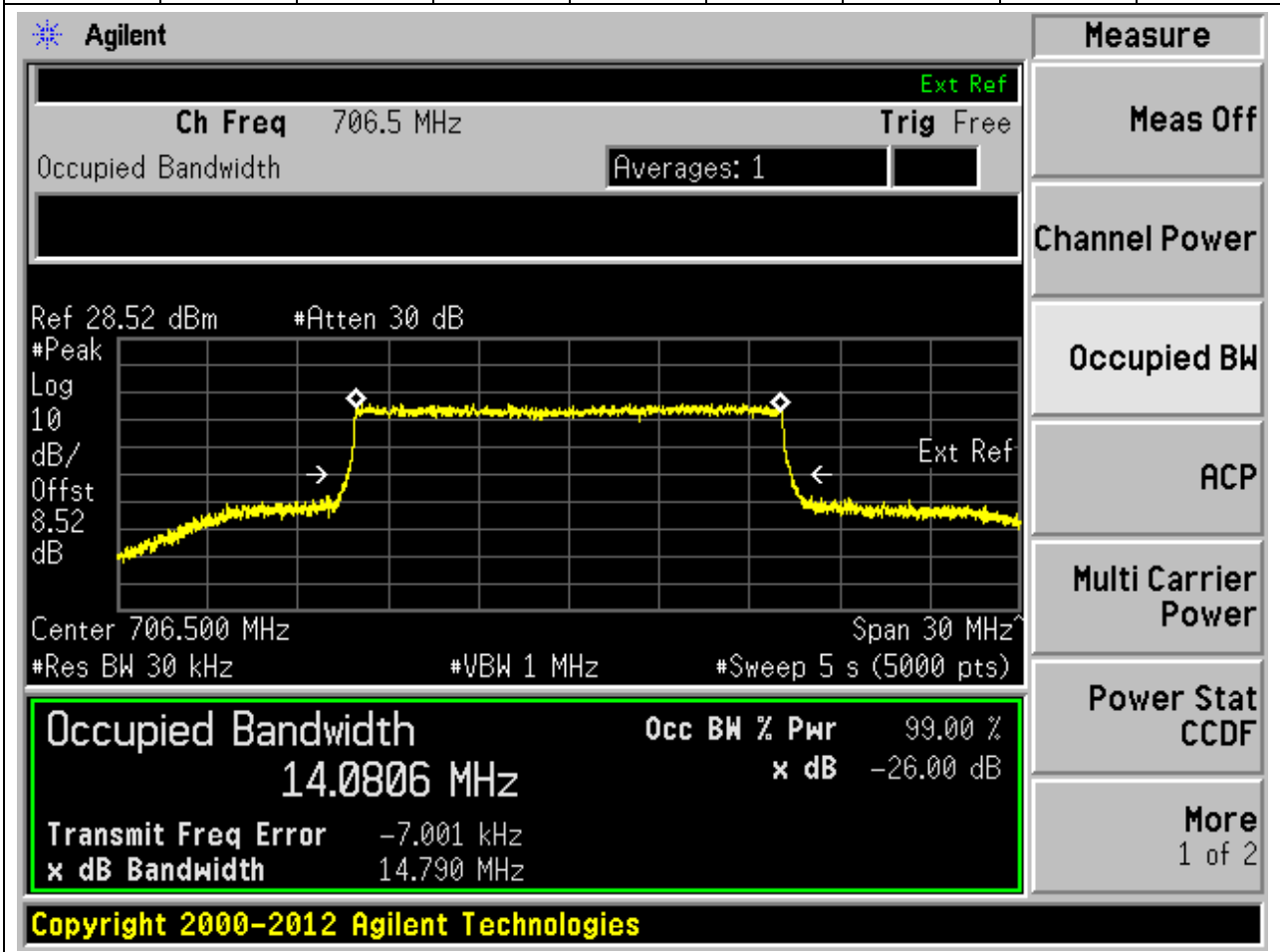
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**2.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, 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	0.03	Peak	14.08	14.79	15	Pass



**2.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, 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	0.03	Peak	14.07	14.52	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 707.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow signal trace. The plot parameters include 'Ref 28.52 dBm', '#Atten 30 dB', '#Peak Log 10 dB/Offst 8.52 dB', 'Center 707.500 MHz', 'Span 30 MHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (5000 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 14.0729 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -8.870 kHz', and 'x dB Bandwidth 14.523 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'.

**2.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
708.5	99	26	0.03	Peak	14.06	14.69	15	Pass

**Agilent**

Ch Freq 708.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.52 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.52 dB

Center 708.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

**Occupied Bandwidth** Occ BW % Pwr 99.00 %  
**14.0564 MHz** x dB -26.00 dB

Transmit Freq Error -17.736 kHz  
 x dB Bandwidth 14.693 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

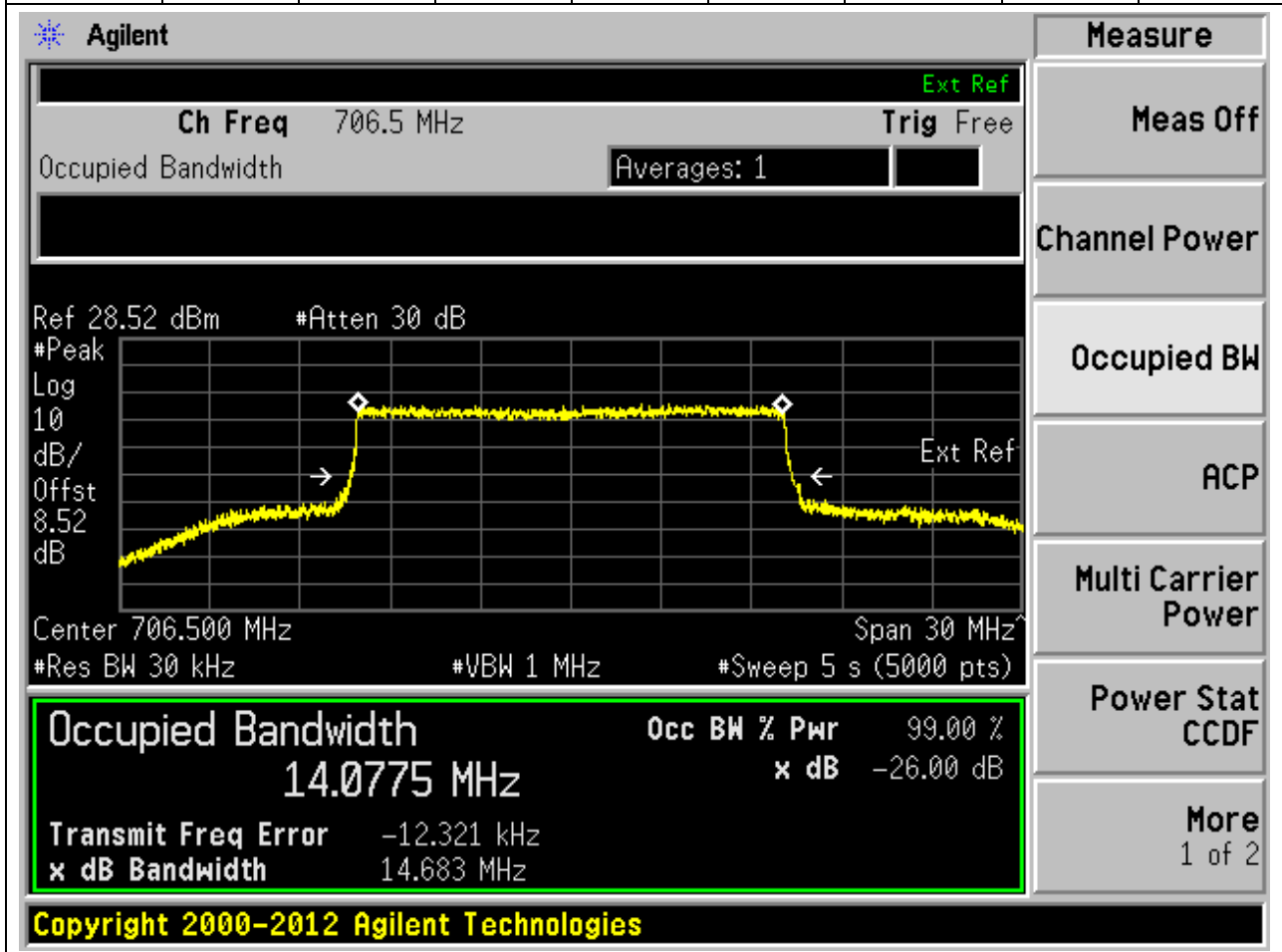
Multi Carrier Power

Power Stat CCDF

More 1 of 2

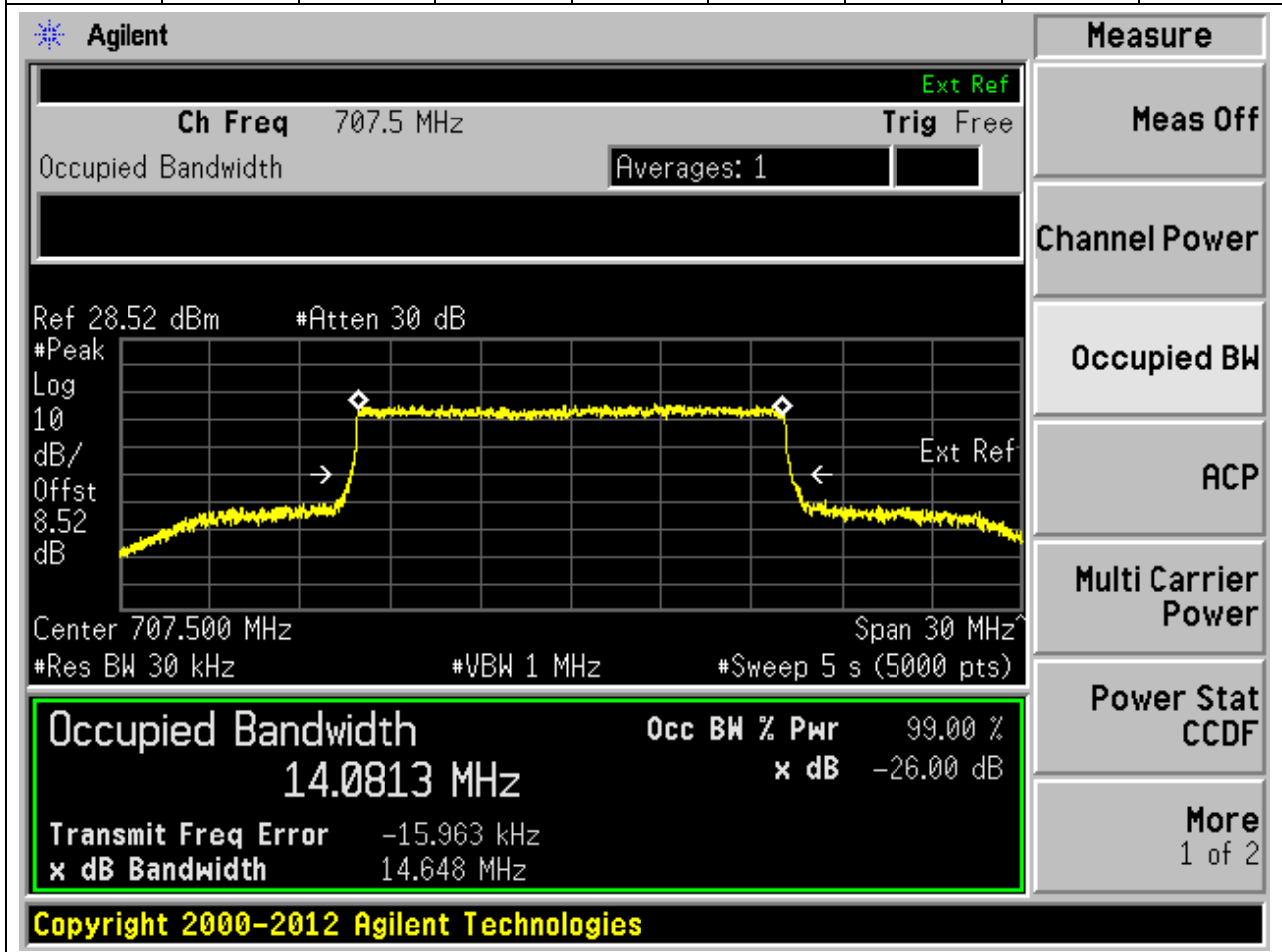
**2.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.03	Peak	14.08	14.68	15	Pass



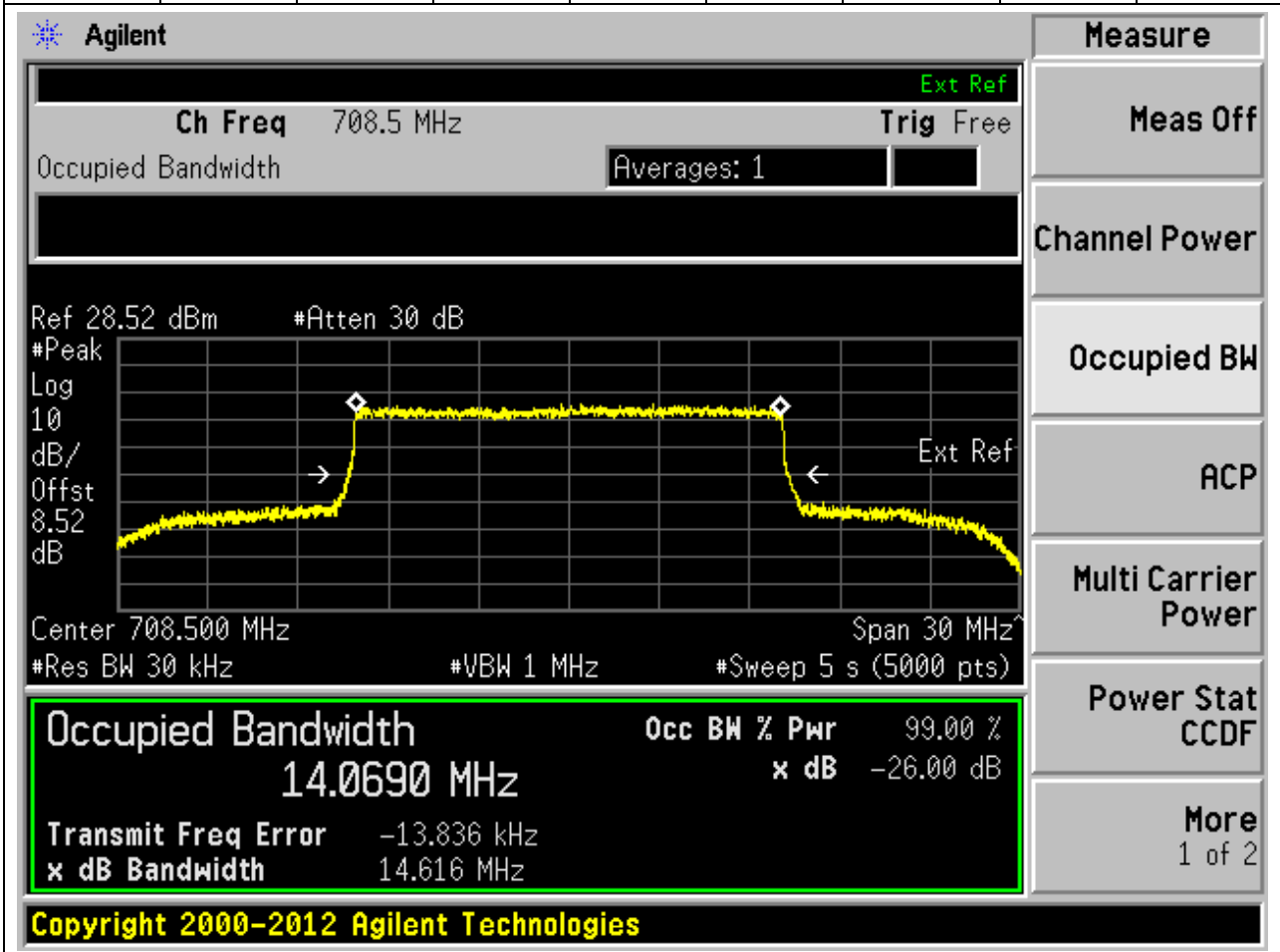
**2.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.03	Peak	14.08	14.65	15	Pass



**2.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
708.5	99	26	0.03	Peak	14.07	14.62	15	Pass





**2.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, 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	0.03	Peak	14.09	14.54	15	Pass

**Agilent**
**Measure**

Ch Freq 706.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.52 dBm #Atten 30 dB

Center 706.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

**14.0861 MHz**

Transmit Freq Error -8.970 kHz

x dB Bandwidth 14.541 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**2.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, 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	0.03	Peak	14.08	14.56	15	Pass

**Agilent**

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.52 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.52 dB

Center 707.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

**Occupied Bandwidth** 14.0799 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -8.453 kHz

x dB Bandwidth 14.565 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**2.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:141700, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

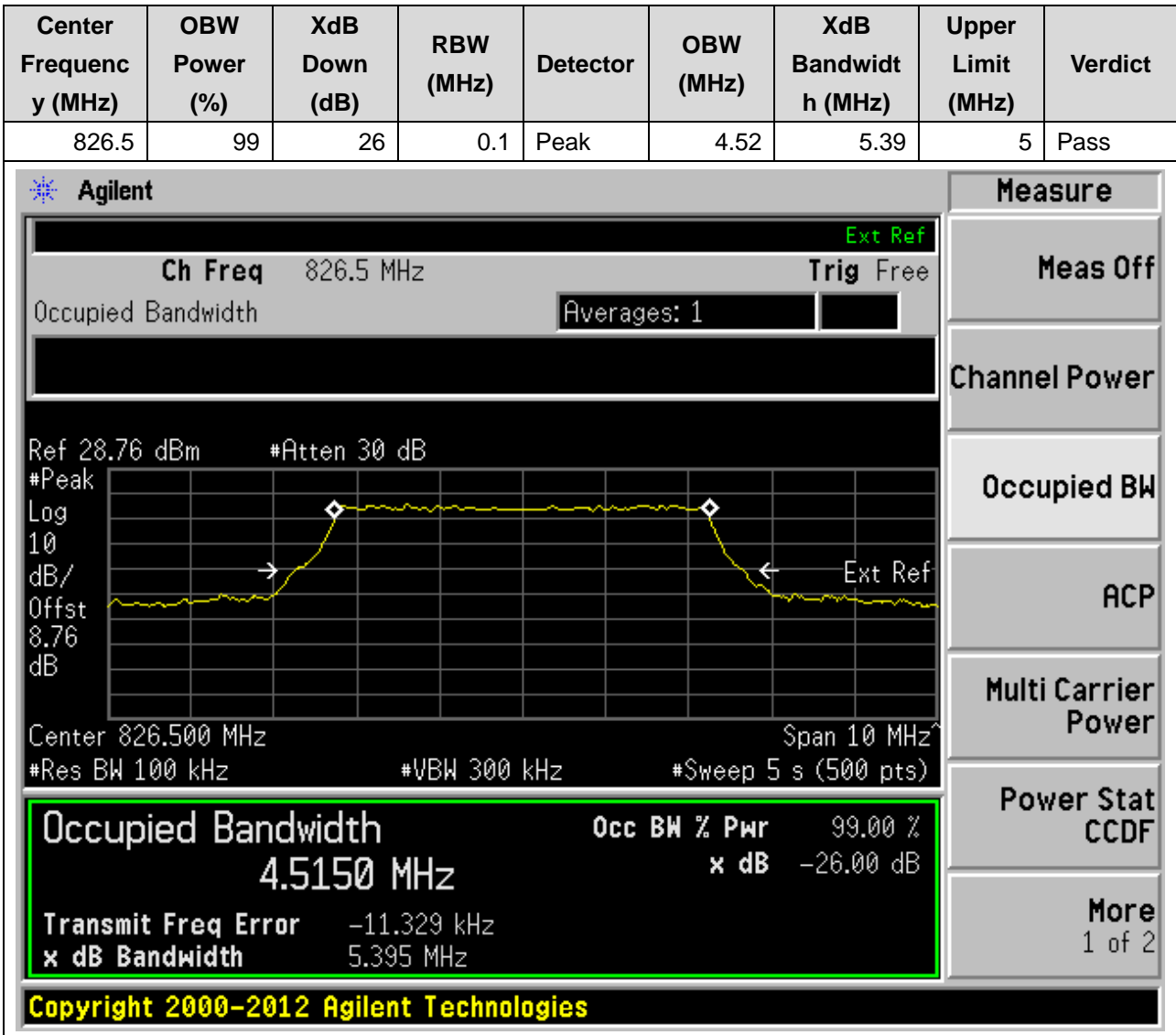
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
708.5	99	26	0.03	Peak	14.07	14.49	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 708.500 MHz with a span of 30 MHz. The signal level is approximately 28.52 dBm, and the attenuation is 30 dB. The occupied bandwidth is measured as 14.0680 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -10.519 kHz, and the XdB bandwidth is 14.487 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
14.0680 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.519 kHz	
x dB Bandwidth	14.487 MHz	

### 3. n26 15kHz(824-849)

3.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)



**3.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	5.3	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.5038 MHz. The power is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -10.018 kHz. The XdB bandwidth is 5.302 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'.

**3.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

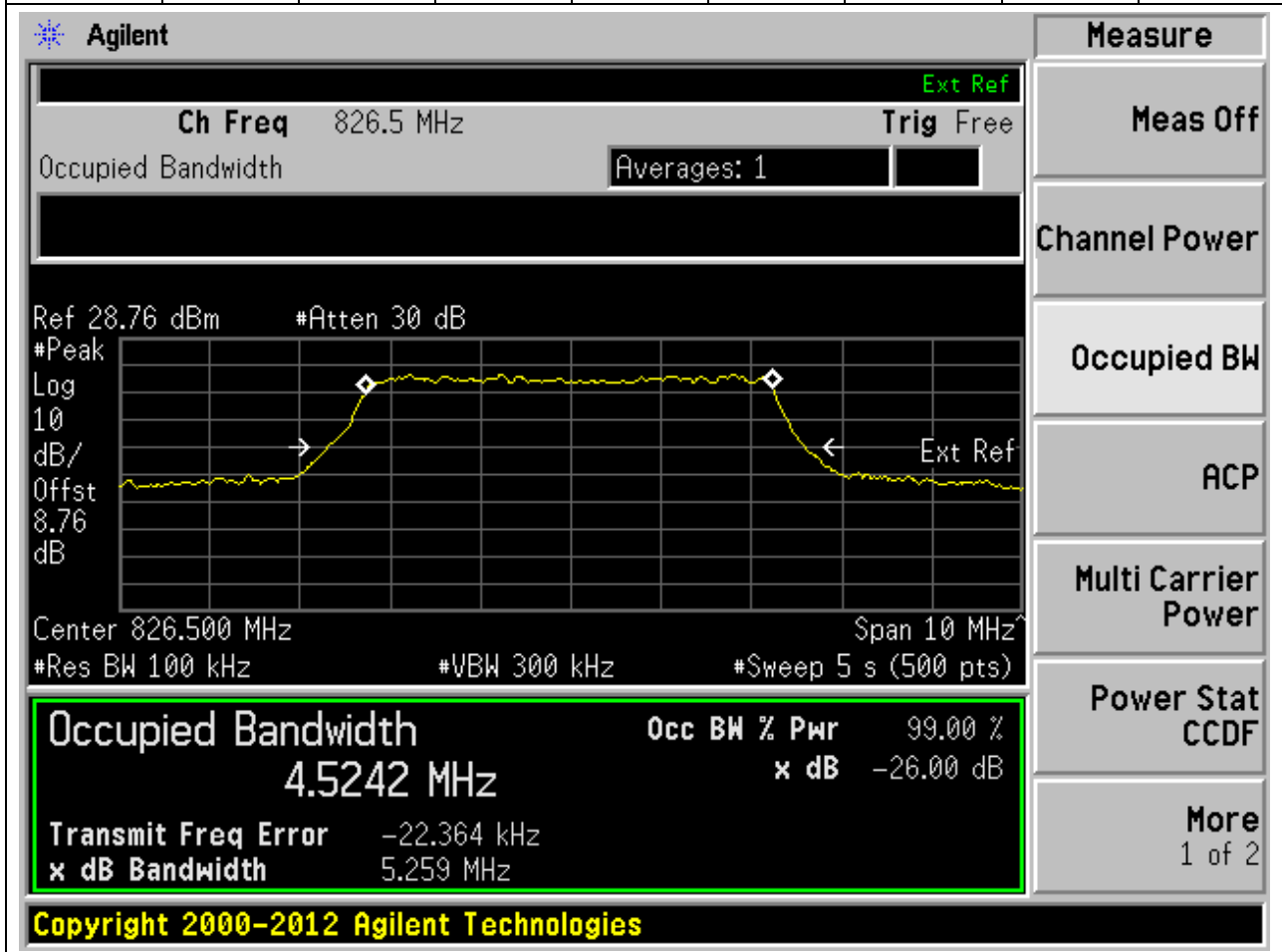
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.51	5.23	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled '#Peak Log 10 dB/Offst 8.81 dB'. The x-axis is labeled 'Center 846.500 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at 846.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.5065 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -17.038 kHz and the 'x dB Bandwidth' is 5.234 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5065 MHz	99.00 %	-26.00 dB

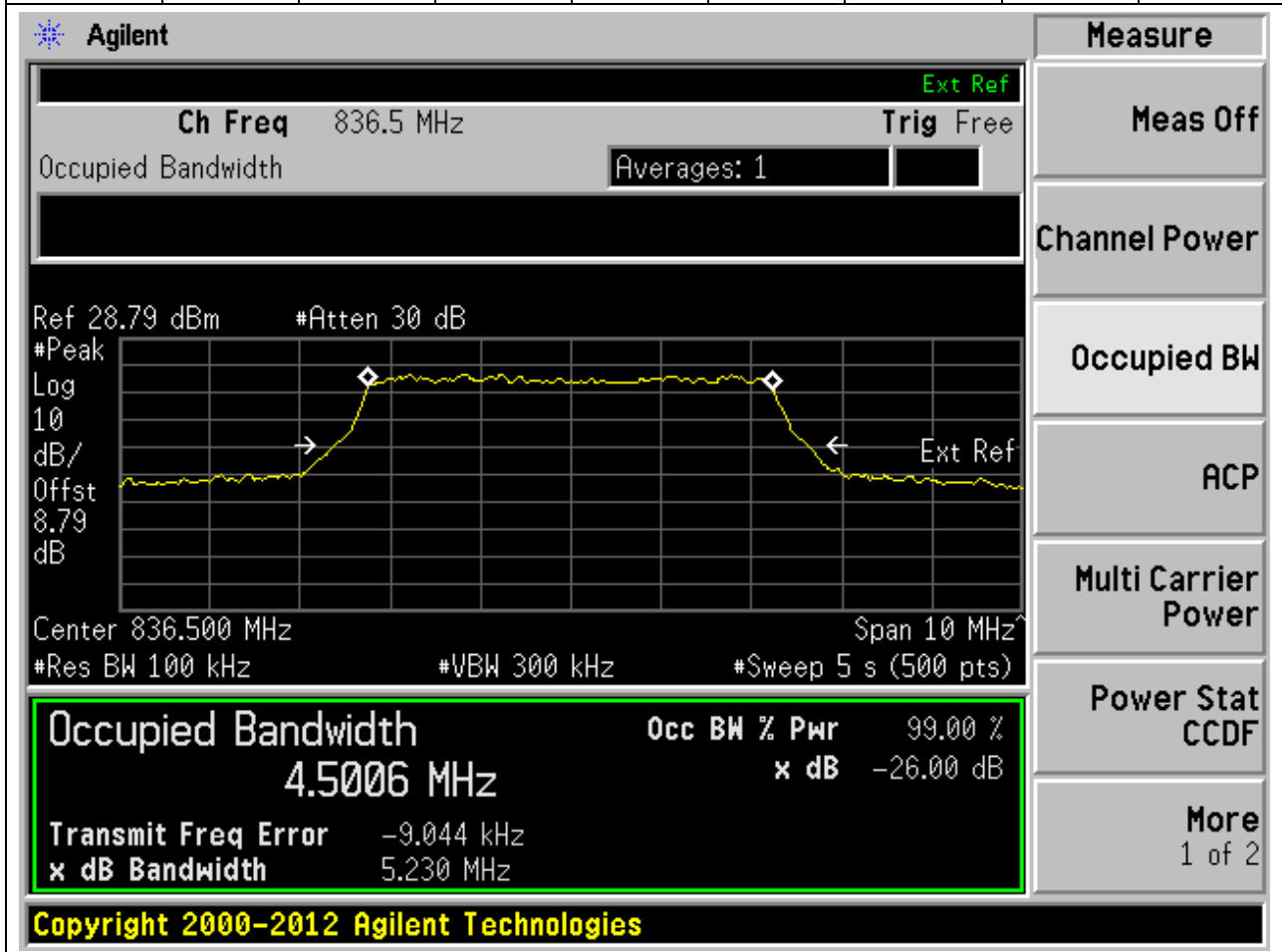
**3.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.52	5.26	5	Pass



**3.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.23	5	Pass





**3.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.51	5.25	5	Pass

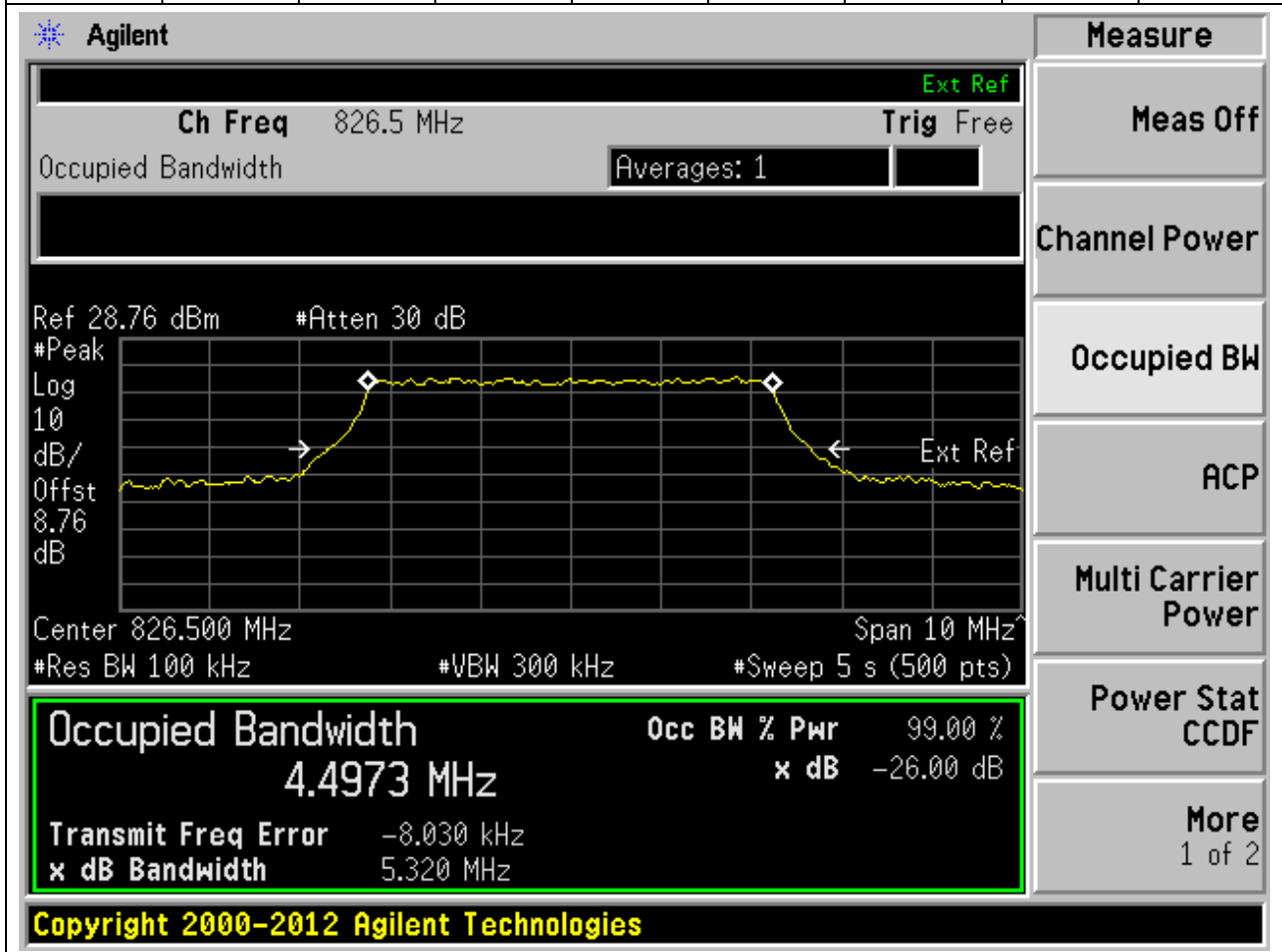
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst' with values 10, 8.81, and 8.81 dB. The x-axis is labeled 'Center' with a value of 846.500 MHz and 'Span' with a value of 10 MHz. The plot shows a signal with a peak at 846.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box with a value of 4.5150 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -19.771 kHz and the 'x dB Bandwidth' is 5.248 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5150 MHz	99.00 %	-26.00 dB

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**3.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.32	5	Pass



**3.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.51	5.28	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and ranges from 8.79 to 10. The x-axis is labeled 'Center' and ranges from 836.500 MHz to 846.500 MHz. The plot shows a signal with a peak at approximately 836.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box and shows a value of 4.5076 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -9.909 kHz and the 'x dB Bandwidth' is 5.279 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5076 MHz	99.00 %	-26.00 dB

**3.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	5.25	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.4902 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.501 kHz
x dB Bandwidth	5.254 MHz

Other visible parameters include: Ch Freq 846.5 MHz, Trig Free, Averages: 1, Ref 28.81 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.81 dB, Center 846.500 MHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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**3.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

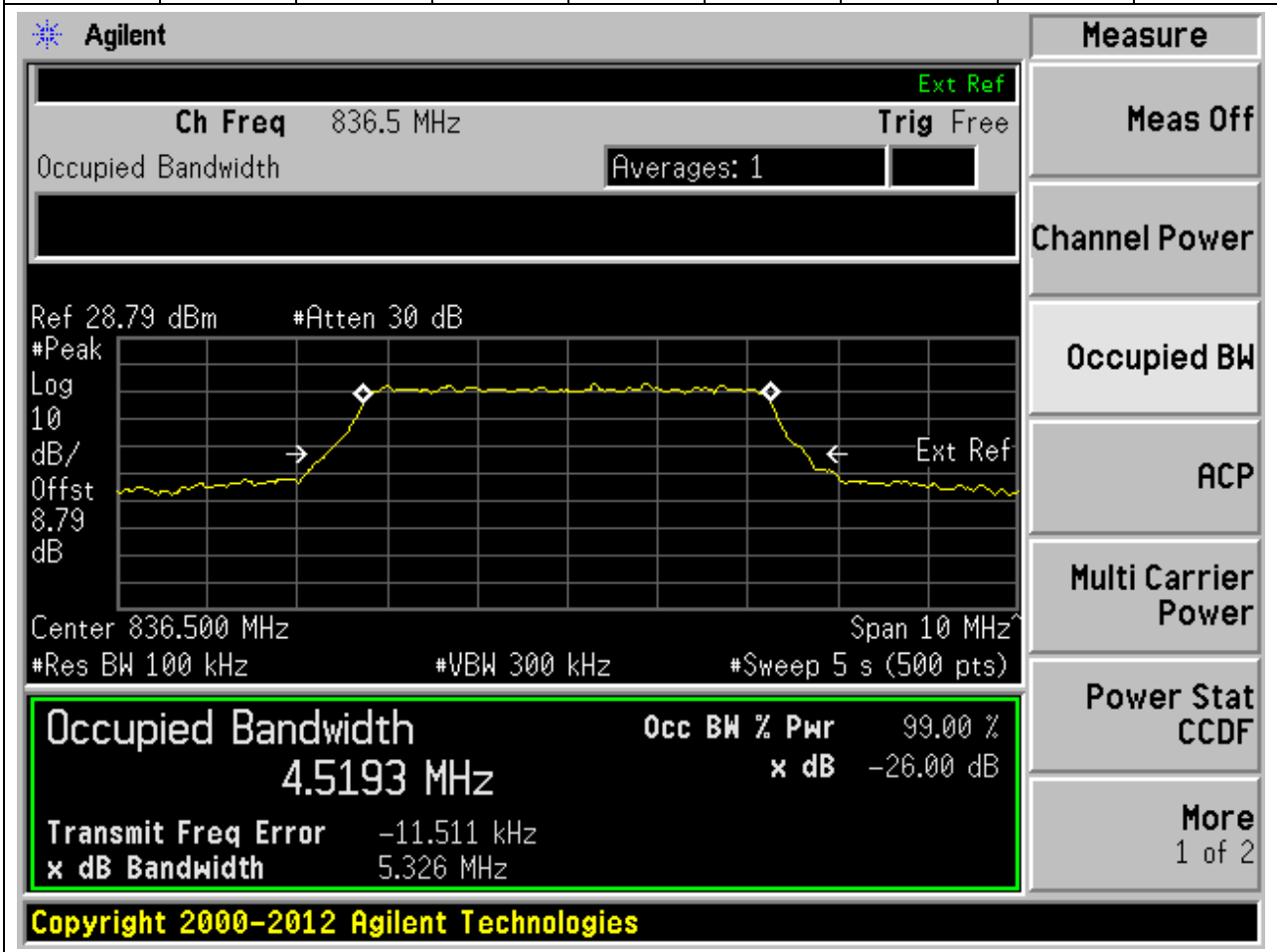
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.52	5.33	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 826.5 MHz. The occupied bandwidth is 4.5186 MHz, and the power is 99.00%. The XdB down is -26.00 dB. The transmit frequency error is 1.322 kHz, and the XdB bandwidth is 5.331 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 %
4.5186 MHz	x dB	-26.00 dB
Transmit Freq Error	1.322 kHz	
x dB Bandwidth	5.331 MHz	

**3.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.52	5.33	5	Pass



**3.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:169300, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:25, RB Position:0)**

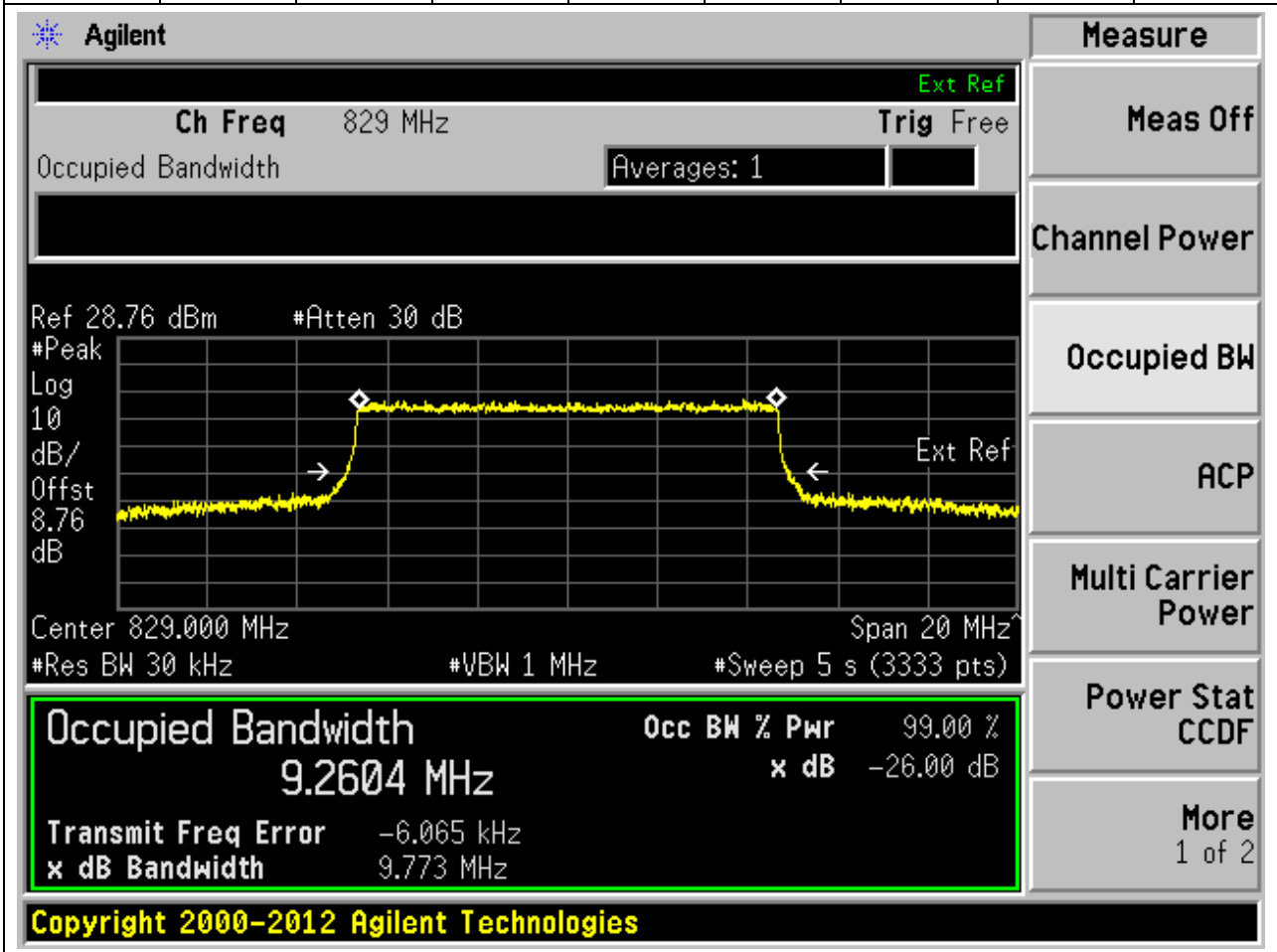
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.5	5.31	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and has a value of 8.81 dB. The x-axis is labeled 'Center' and has a value of 846.500 MHz. The plot shows a signal with a peak at 846.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box and shows a value of 4.5007 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -7.178 kHz and the 'x dB Bandwidth' is 5.309 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5007 MHz	99.00 %	-26.00 dB

**3.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.26	9.77	10	Pass





**3.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.87	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 836.5 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2609 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -5.278 kHz, and the XdB bandwidth is 9.873 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 %
9.2609 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.278 kHz	
x dB Bandwidth	9.873 MHz	

**3.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, RB Position:0)**

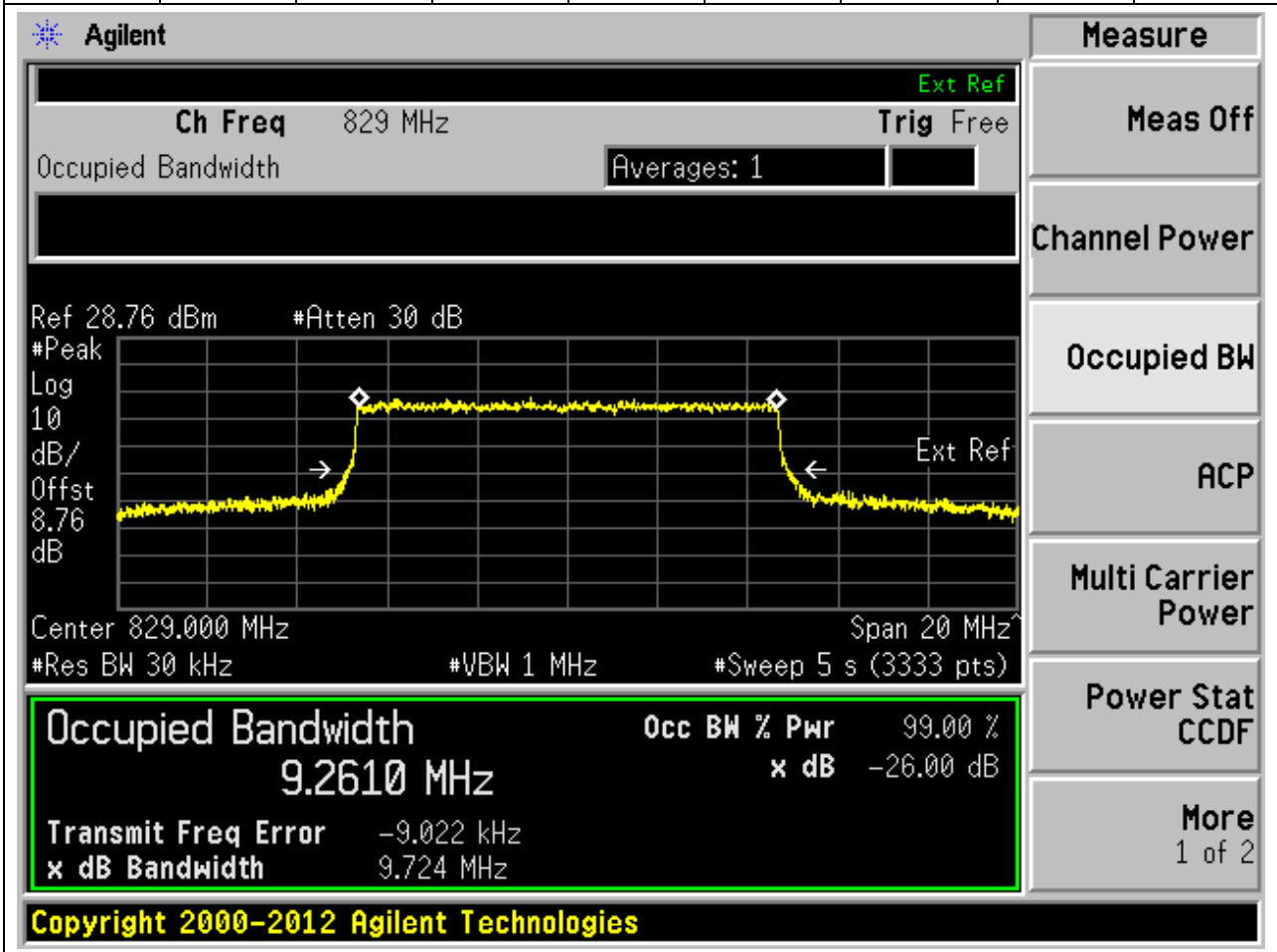
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.26	9.8	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 844.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2583 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -5.720 kHz, and the XdB bandwidth is 9.802 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	99.00 %
9.2583 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.720 kHz	
x dB Bandwidth	9.802 MHz	

**3.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.26	9.72	10	Pass



**3.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.26	9.73	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:

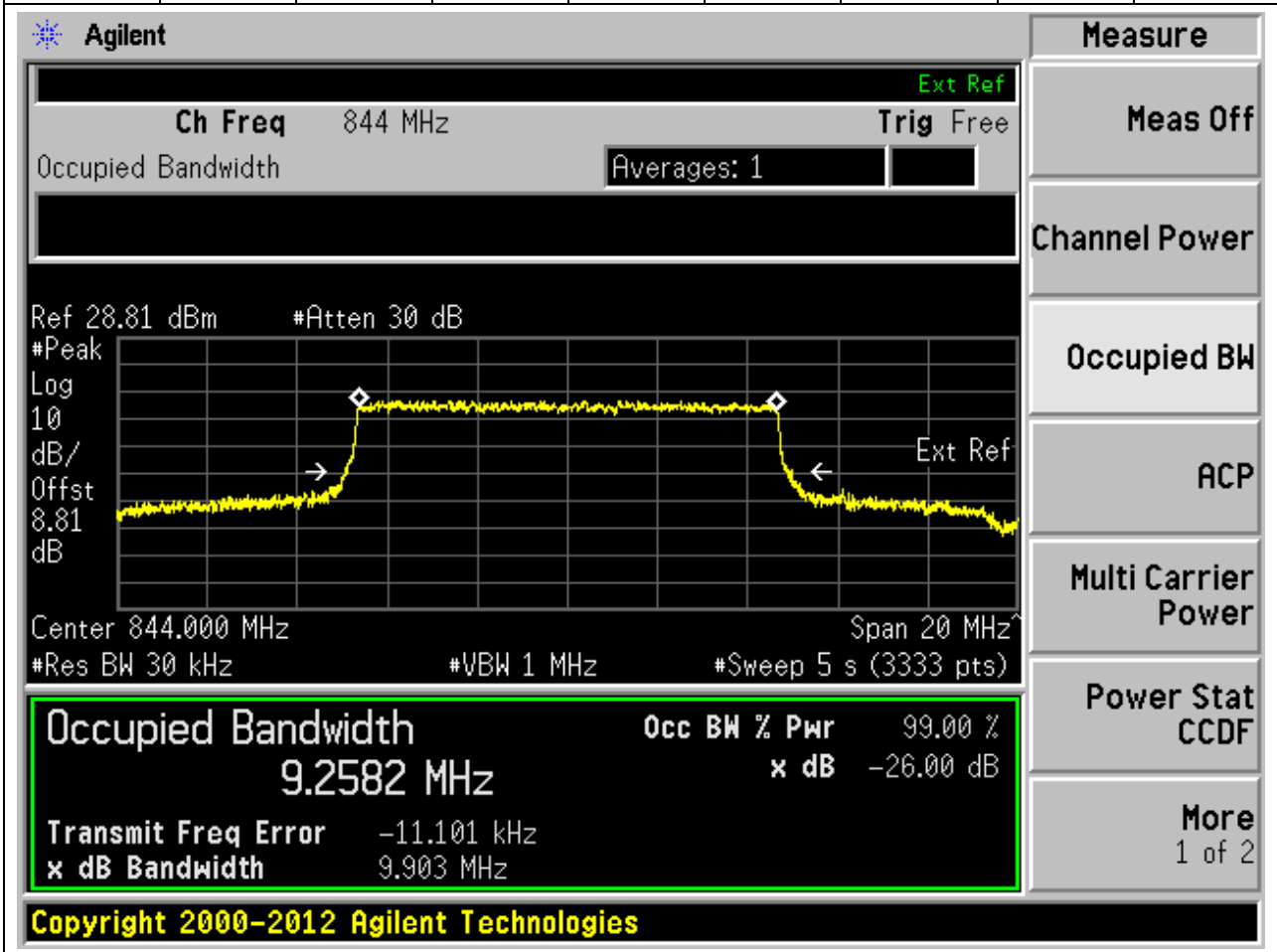
Measurement	Value
Occupied Bandwidth	9.2604 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-10.052 kHz
x dB Bandwidth	9.734 MHz

Additional parameters shown in the interface include: Ch Freq 836.5 MHz, Trig Free, Averages: 1, Ref 28.79 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 8.79 dB, Center 836.500 MHz, Span 20 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (3333 pts).

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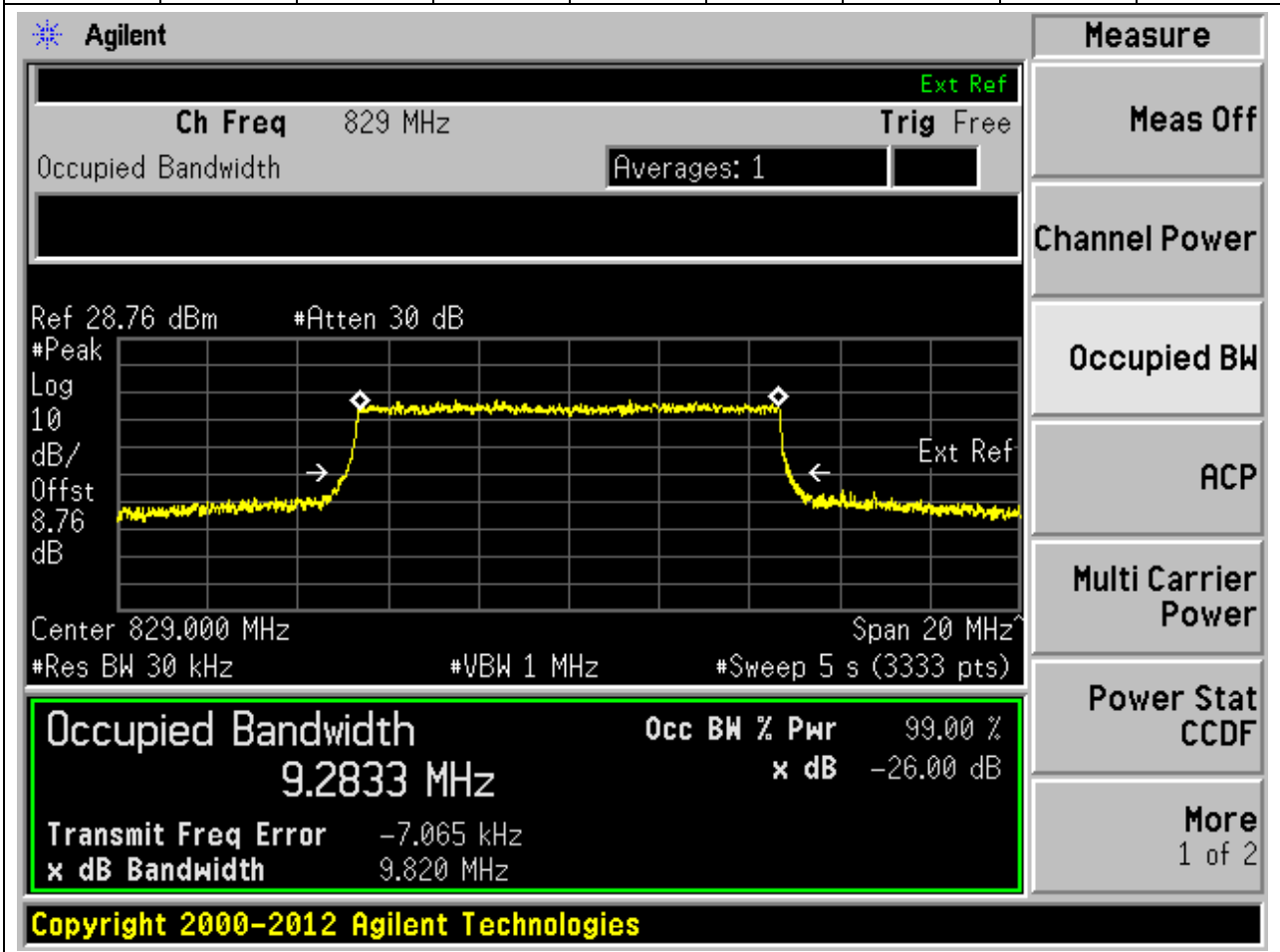
**3.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.26	9.9	10	Pass



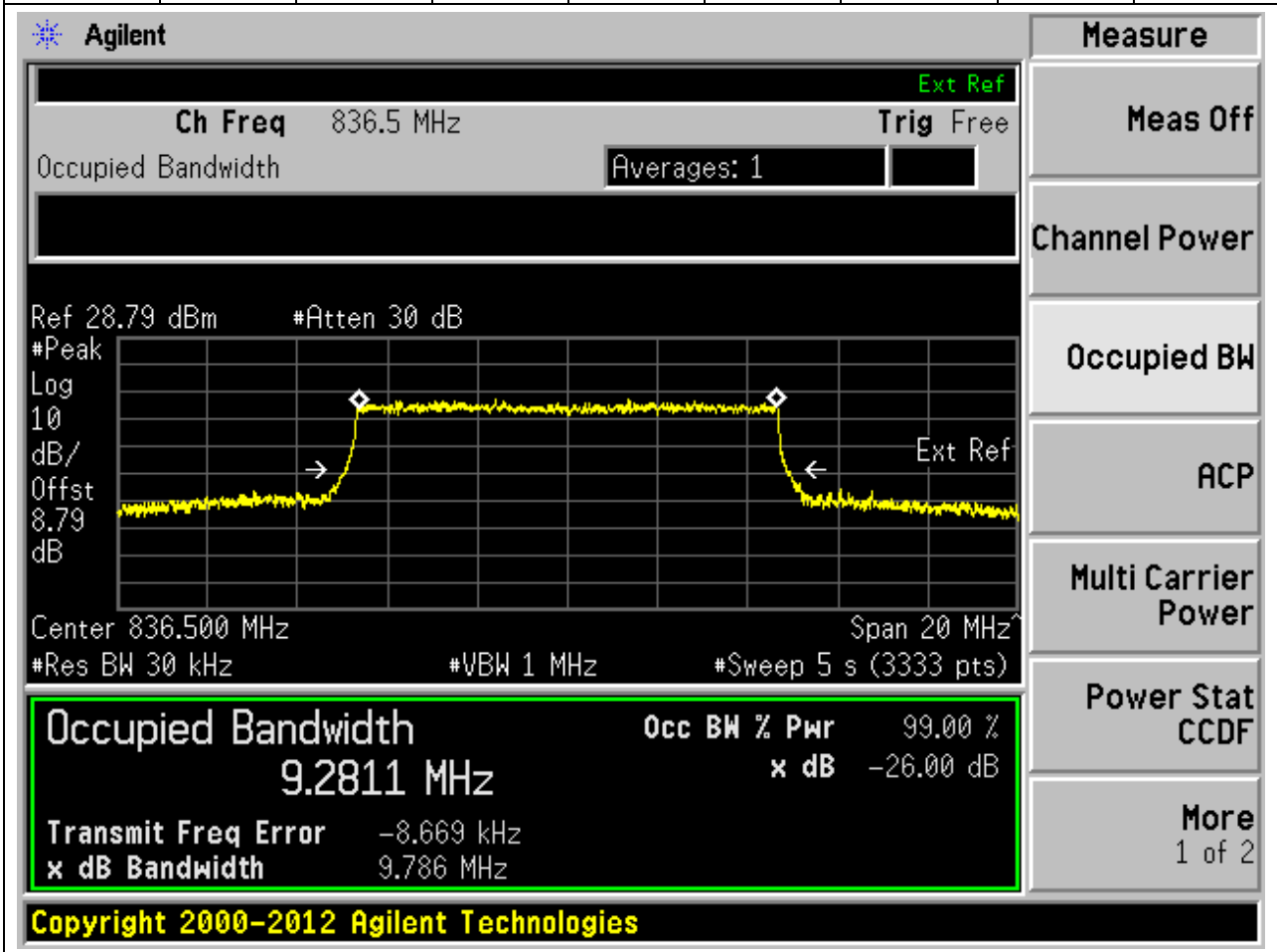
**3.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.28	9.82	10	Pass



**3.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.28	9.79	10	Pass



**3.21. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.27	9.86	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 844.000 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2749 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -7.959 kHz, and the XdB bandwidth is 9.856 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 %
9.2749 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.959 kHz	
x dB Bandwidth	9.856 MHz	



**3.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:165800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.03	Peak	9.27	9.92	10	Pass

**Agilent**

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.76 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.76 dB

Center 829.000 MHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

**Occupied Bandwidth 9.2715 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -8.298 kHz

x dB Bandwidth 9.923 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	9.27	9.81	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 836.500 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 9.2676 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -9.175 kHz, and the XdB bandwidth is 9.807 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 %
9.2676 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.175 kHz	
x dB Bandwidth	9.807 MHz	

**3.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168800, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.03	Peak	9.27	9.76	10	Pass

**Agilent**
**Measure**

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.81 dBm #Atten 30 dB

Center 844.000 MHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

9.2688 MHz

Transmit Freq Error -10.627 kHz

x dB Bandwidth 9.760 MHz

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**3.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.75	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 831.500 MHz, and the span is 30 MHz. The occupied bandwidth is measured as 14.0768 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -2.182 kHz, and the XdB bandwidth is 14.748 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 %
14.0768 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.182 kHz	
x dB Bandwidth	14.748 MHz	

**3.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.09	14.67	15	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.79 dBm #Atten 30 dB

Center 836.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**14.0863 MHz**

Transmit Freq Error 1.789 kHz

x dB Bandwidth 14.672 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.08	14.65	15	Pass

**Agilent**
Measure

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.8 dBm #Atten 30 dB

Center 841.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz

#Sweep 5 s (5000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**14.0818 MHz**

Transmit Freq Error -11.288 kHz

x dB Bandwidth 14.654 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.53	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The measurement results are summarized in a table at the bottom of the screen:

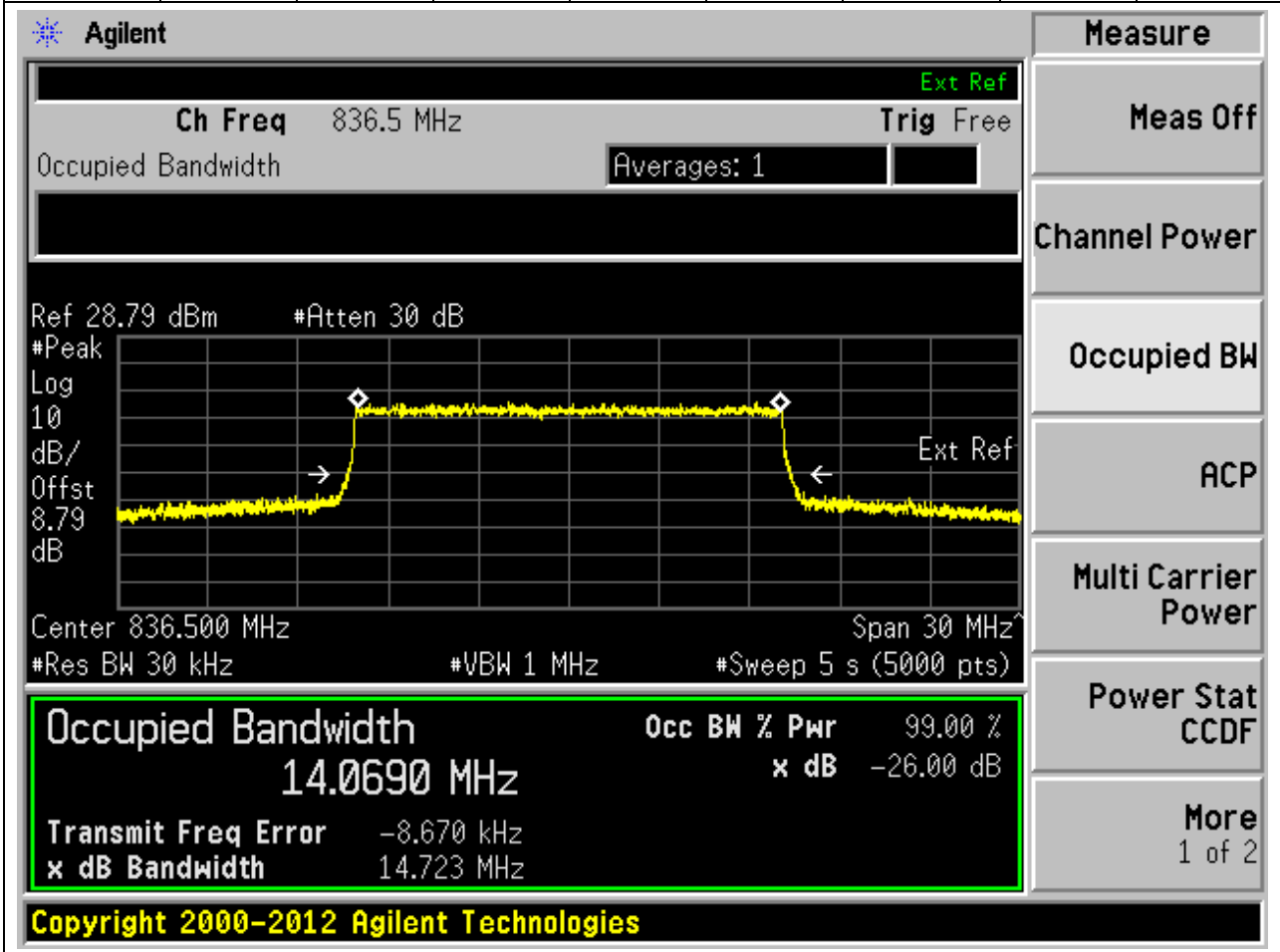
Occupied Bandwidth	Occ BW % Pwr	x dB
14.0771 MHz	99.00 %	-26.00 dB

Additional parameters shown in the interface include: Center 831.500 MHz, Span 30 MHz, Res BW 30 kHz, VBW 1 MHz, Sweep 5 s (5000 pts), Ref 28.77 dBm, and #Atten 30 dB. The interface also includes a 'Measure' menu with options like Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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**3.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

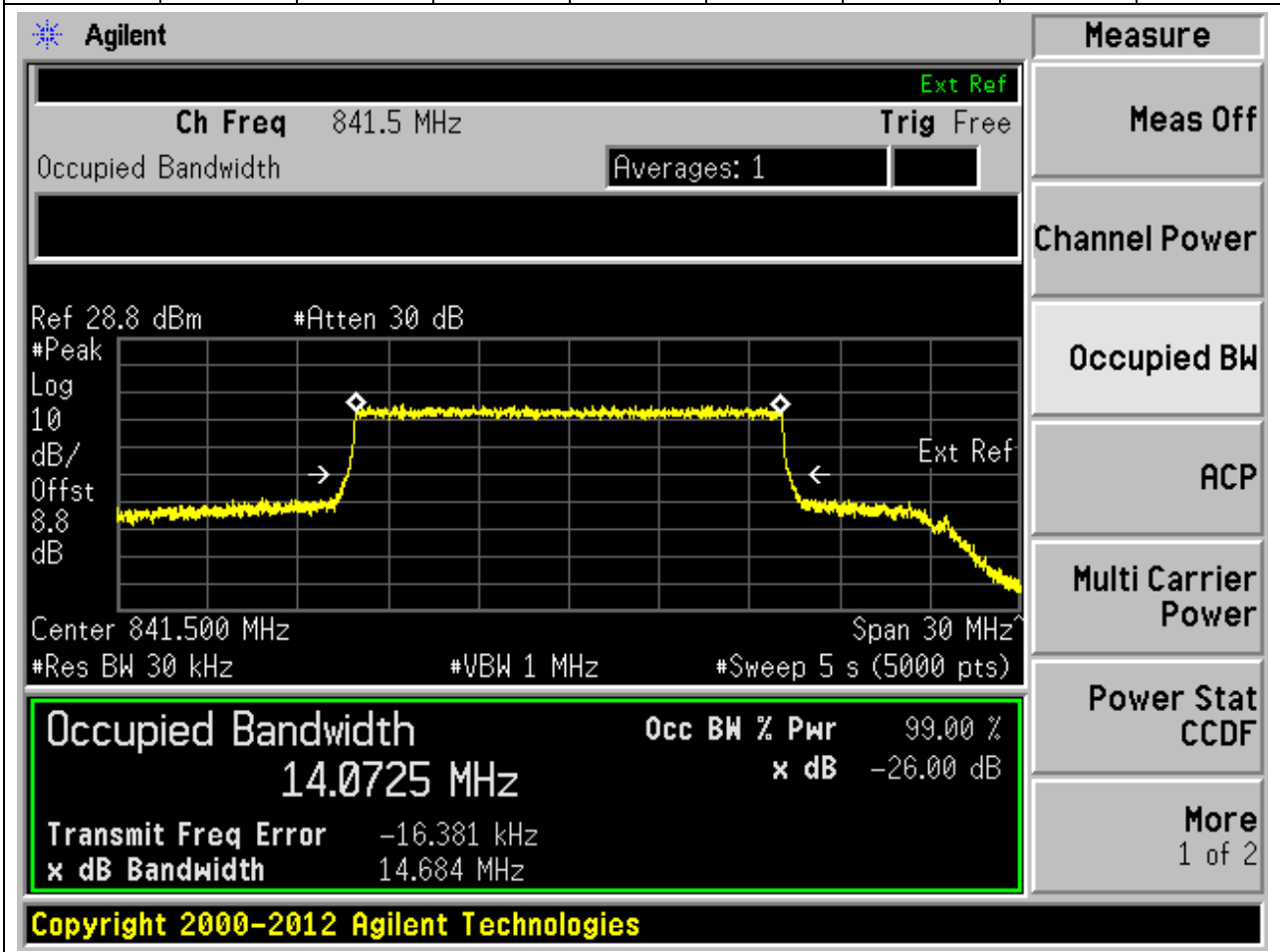
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.07	14.72	15	Pass





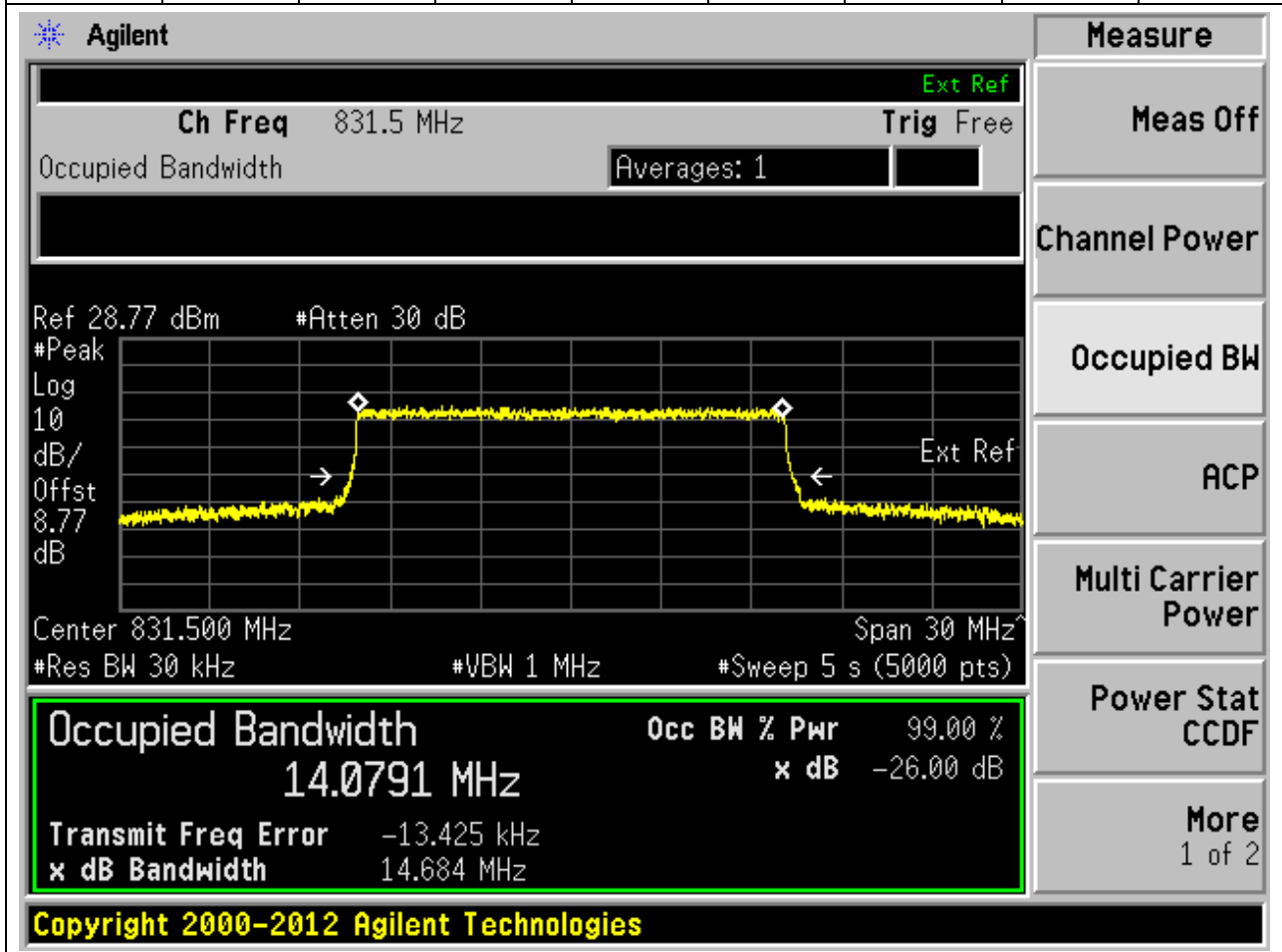
**3.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.07	14.68	15	Pass



**3.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.08	14.68	15	Pass



**3.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.08	14.68	15	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.79 dBm #Atten 30 dB

Center 836.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**14.0817 MHz**

Transmit Freq Error -11.961 kHz

x dB Bandwidth 14.679 MHz

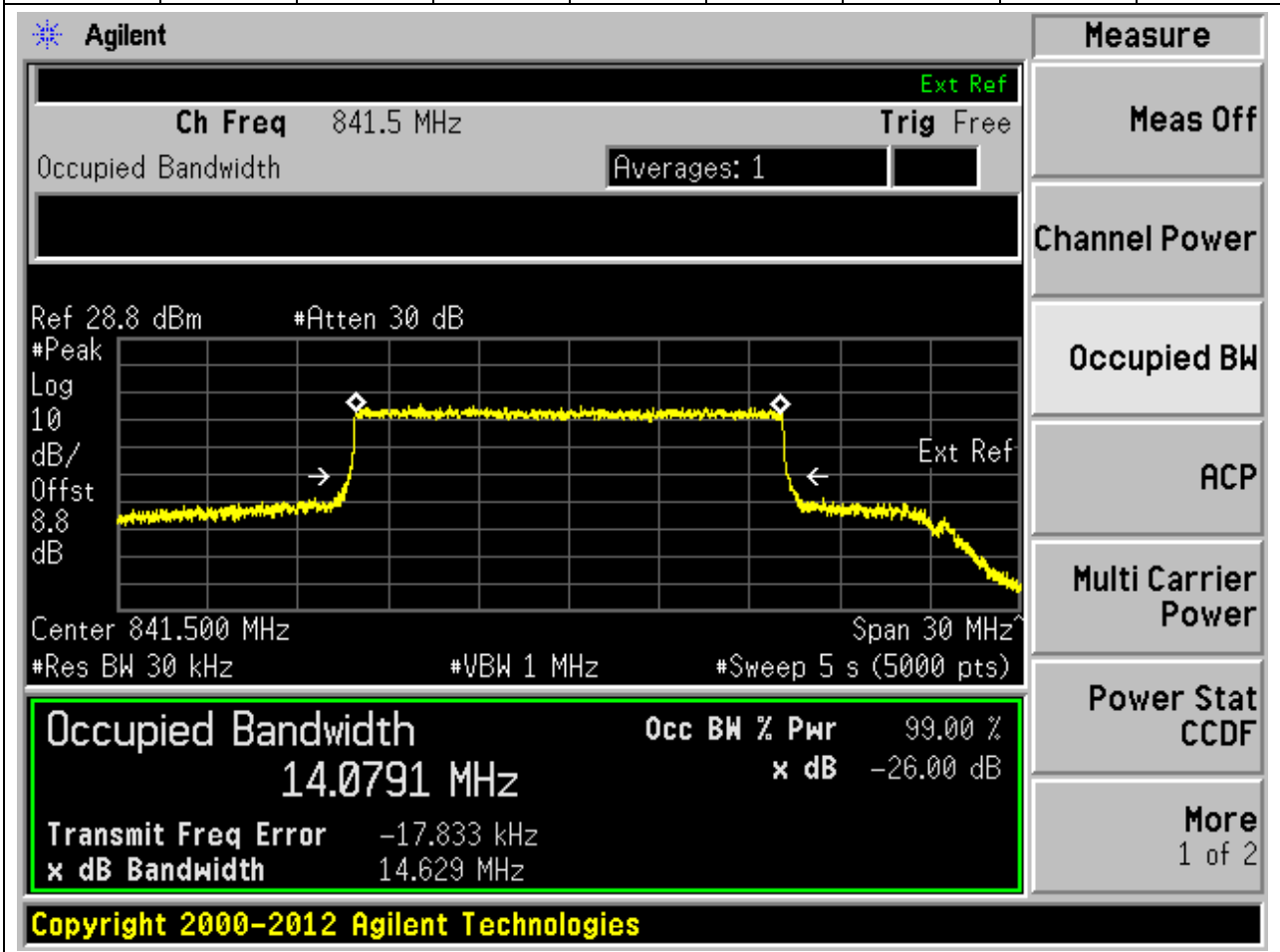
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.08	14.63	15	Pass



**3.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
831.5	99	26	0.03	Peak	14.09	14.57	15	Pass

Agilent
Measure

Ch Freq 831.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.77 dBm #Atten 30 dB

Center 831.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

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

**14.0852 MHz** x dB -26.00 dB

Transmit Freq Error -4.702 kHz

x dB Bandwidth 14.571 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

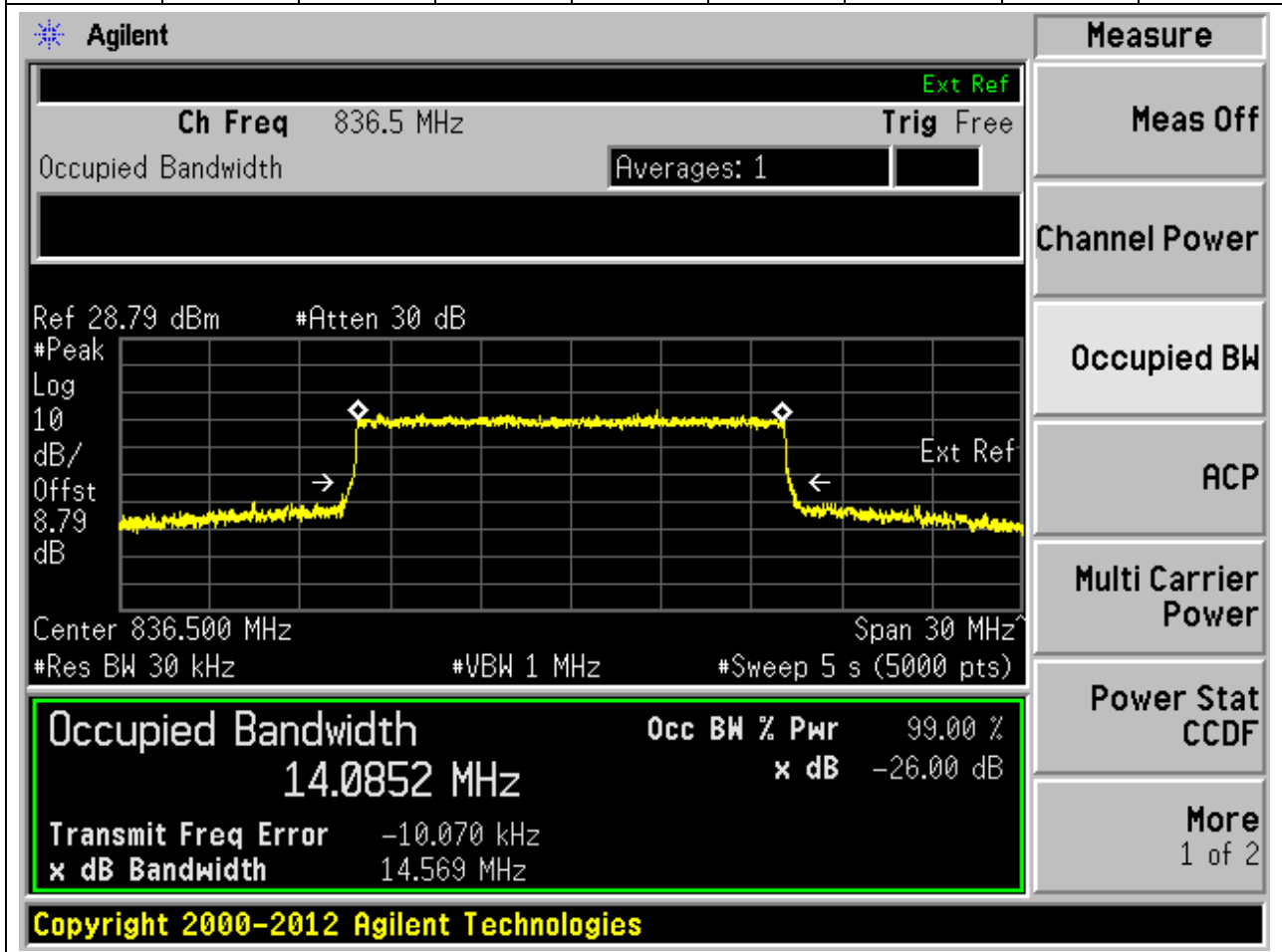
Power Stat CCDF

More  
1 of 2

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**3.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	14.09	14.57	15	Pass



**3.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:168300, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
841.5	99	26	0.03	Peak	14.09	14.58	15	Pass

**Agilent**

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.8 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.8 dB

Center 841.500 MHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
14.0864 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		-12.208 kHz
<b>x dB Bandwidth</b>		14.582 MHz

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**Measure**

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

**3.37. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.86	19.58	20	Pass

**Agilent**

Ch Freq 834 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.78 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.78 dB

Center 834.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Occupied Bandwidth** 18.8583 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -15.940 kHz

x dB Bandwidth 19.578 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2



**3.38. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.86	19.53	20	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.79 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.79 dB

Center 836.500 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Occupied Bandwidth** 18.8618 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -16.669 kHz

x dB Bandwidth 19.527 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. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.86	19.52	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows the channel frequency (839 MHz) and the measurement type (Occupied Bandwidth). The main display area shows a spectrum plot with a yellow trace representing the signal. The plot includes a reference level (Ref 28.8 dBm) and an attenuation setting (#Atten 30 dB). The measurement results are summarized in a table at the bottom of the plot area:

Occupied Bandwidth	Occ BW % Pwr	x dB
18.8569 MHz	99.00 %	-26.00 dB

Additional parameters shown include: Center 839.000 MHz, Span 40 MHz, #Res BW 30 kHz, #VBW 1 MHz, and #Sweep 5 s (6666 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'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

**3.40. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.88	19.45	20	Pass

**Agilent**
**Measure**

Ch Freq 834 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.78 dBm #Atten 30 dB

Center 834.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz

#Sweep 5 s (6666 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

**18.8789 MHz**

Transmit Freq Error 223.306 Hz

x dB Bandwidth 19.451 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.41. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.89	19.44	20	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.79 dBm #Atten 30 dB

Center 836.500 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**18.8908 MHz**

Transmit Freq Error 2.306 kHz

x dB Bandwidth 19.438 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**3.42. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.87	19.46	20	Pass

**Agilent**
**Measure**

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 28.8 dBm #Atten 30 dB

Center 839.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

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

**18.8709 MHz** x dB -26.00 dB

Transmit Freq Error -7.556 kHz

x dB Bandwidth 19.457 MHz

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Meas Off

Channel Power

Occupied BW

ACP

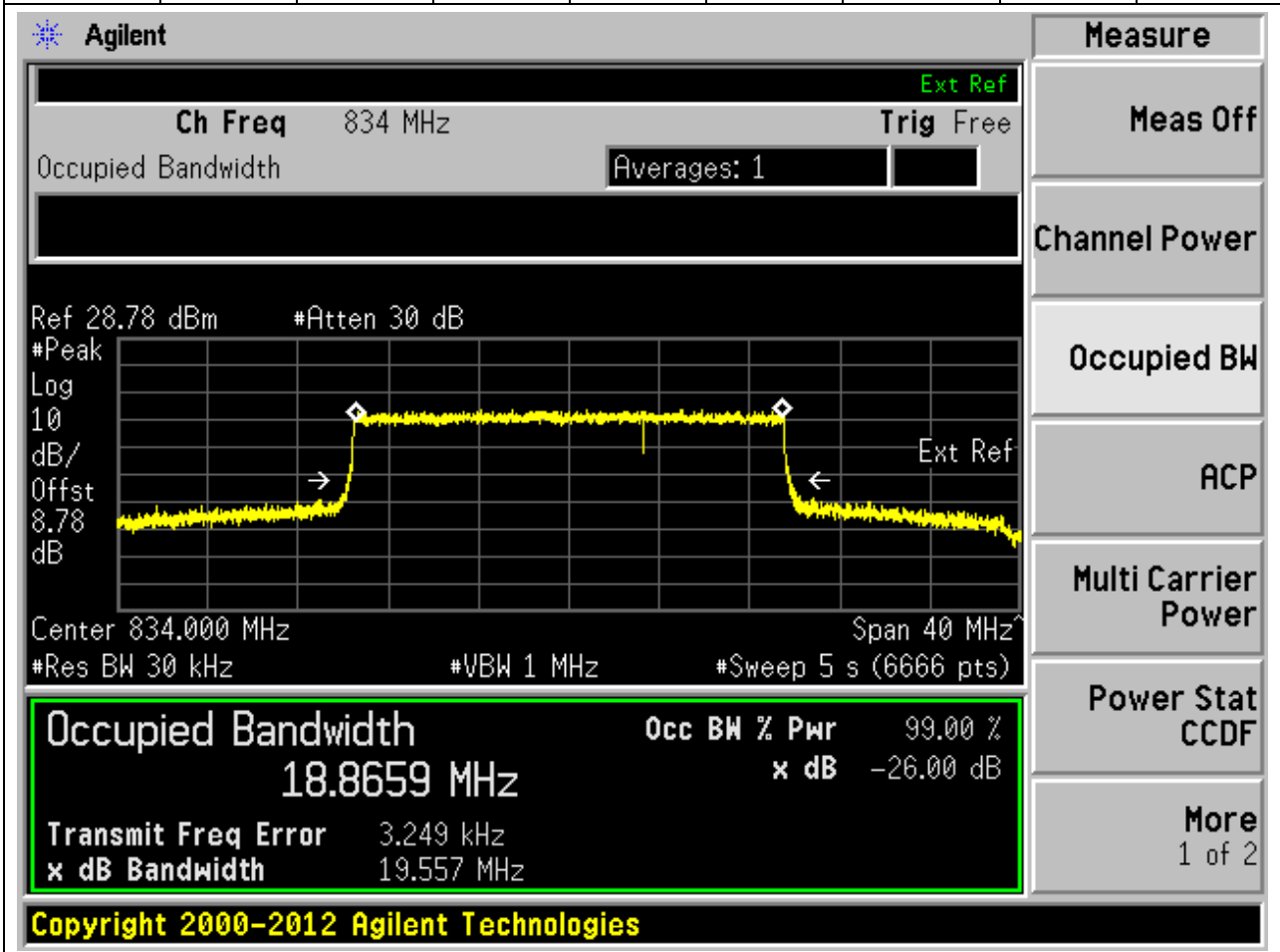
Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**3.43. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.87	19.56	20	Pass



**3.44. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.86	19.47	20	Pass

**Agilent**

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.79 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.79 dB

Center 836.500 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Occupied Bandwidth** 18.8627 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth -26.00 dB

Transmit Freq Error -784.431 Hz

x dB Bandwidth 19.472 MHz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**3.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.87	19.52	20	Pass

**Agilent**

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.8 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.8 dB

Center 839.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Occupied Bandwidth** 18.8682 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -7.153 kHz

x dB Bandwidth 19.516 MHz

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**3.46. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:166800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

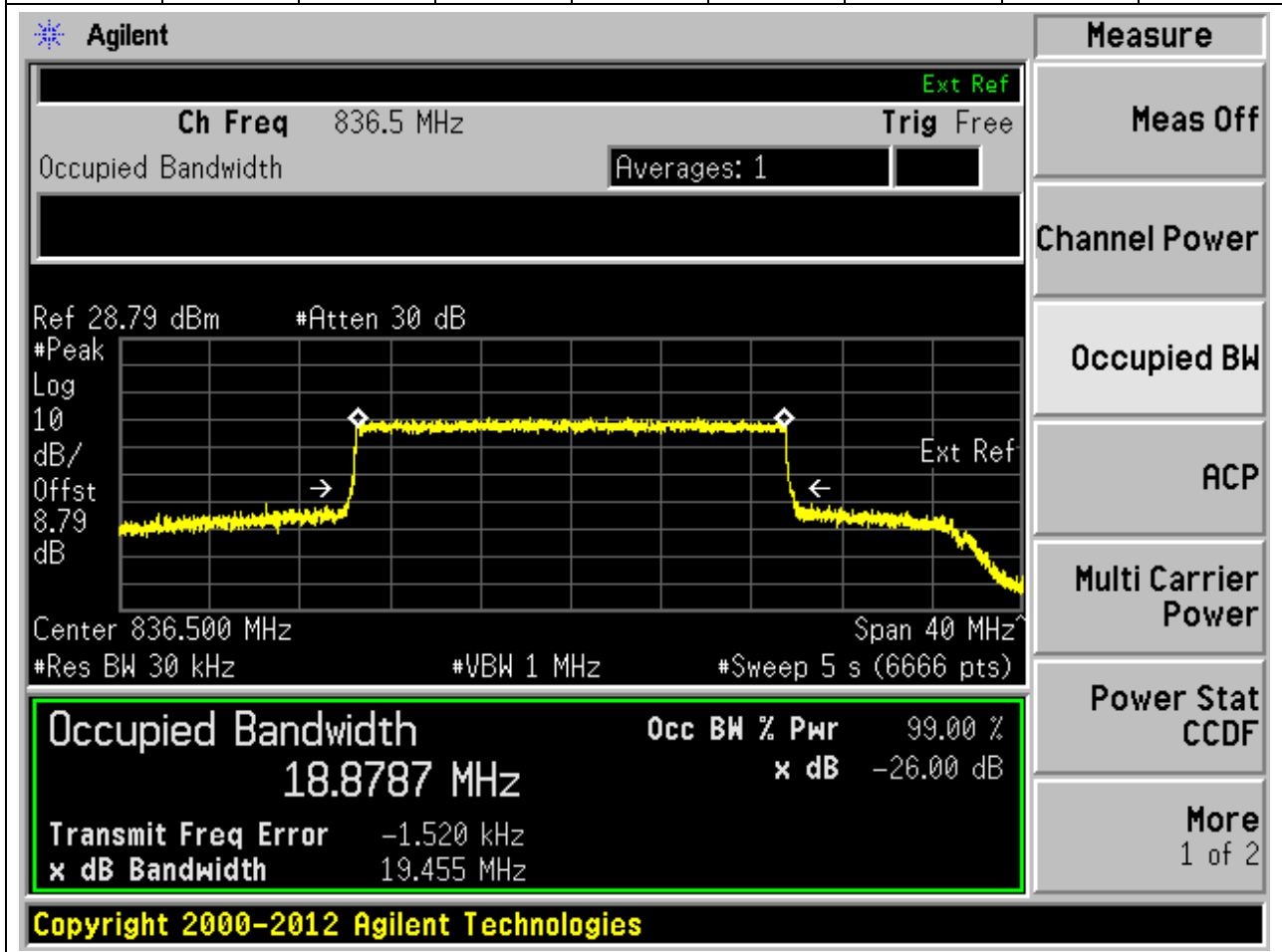
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
834	99	26	0.03	Peak	18.88	19.48	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The center frequency is 834.000 MHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8838 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -1.287 kHz, and the XdB bandwidth is 19.477 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8838 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.287 kHz	
x dB Bandwidth	19.477 MHz	

**3.47. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167300, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.03	Peak	18.88	19.46	20	Pass



**3.48. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:167800, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
839	99	26	0.03	Peak	18.88	19.44	20	Pass

Agilent
Measure

Ch Freq 839 MHz Trig Free

Occupied Bandwidth Averages: 1

Ref 28.8 dBm #Atten 30 dB

Center 839.000 MHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**18.8766 MHz**

Transmit Freq Error -4.297 kHz

x dB Bandwidth 19.444 MHz

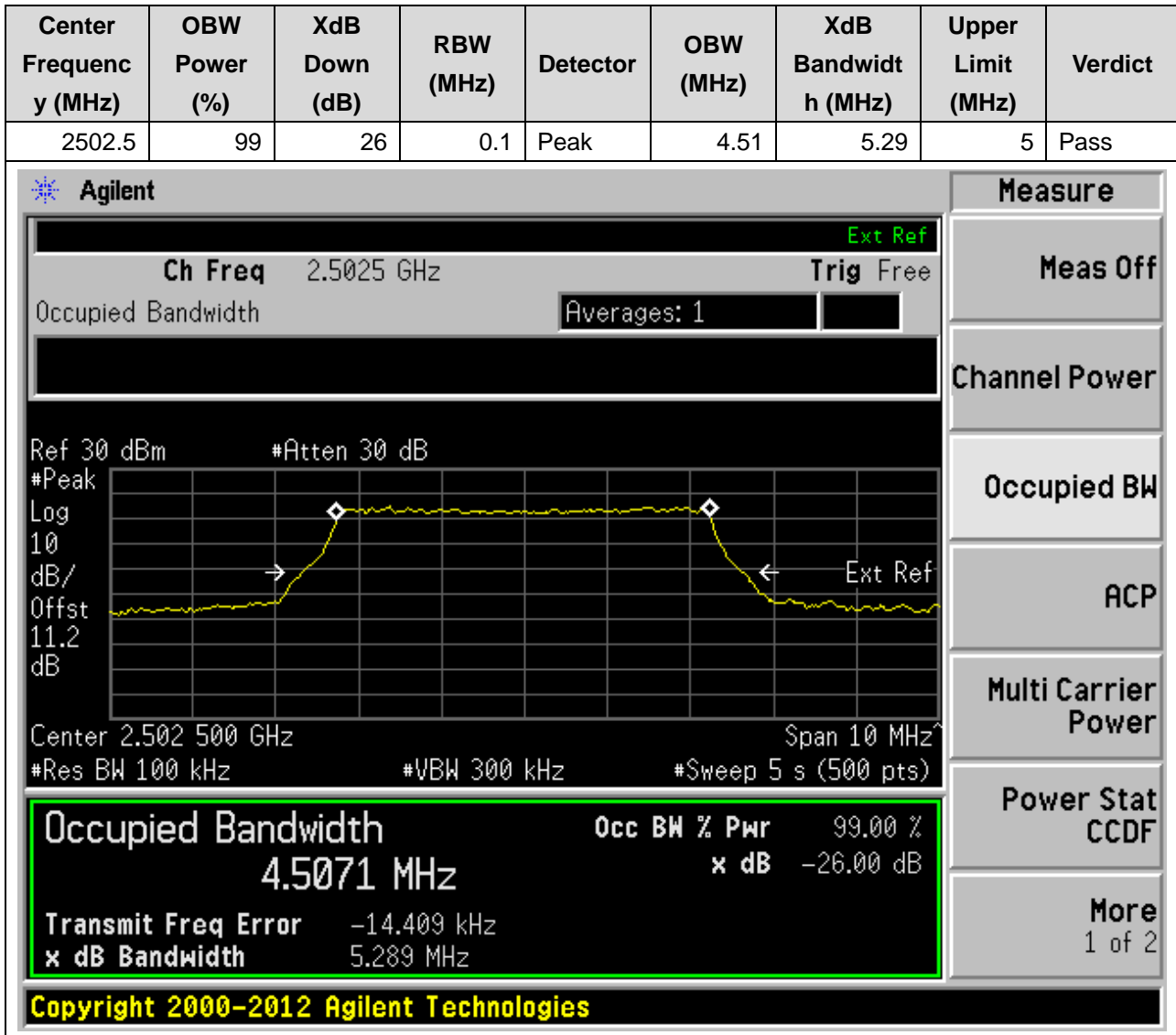
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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## 2. n7

### 2.1. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)



**2.2. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.5	5.28	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.535 GHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.5025 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -11.672 kHz, and the XdB bandwidth is 5.277 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 %
4.5025 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.672 kHz	
x dB Bandwidth	5.277 MHz	

**2.3. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:25, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.5	5.32	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'dB/Offst' and the x-axis is 'Center'. The plot shows a signal with a peak at approximately 2.5675 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

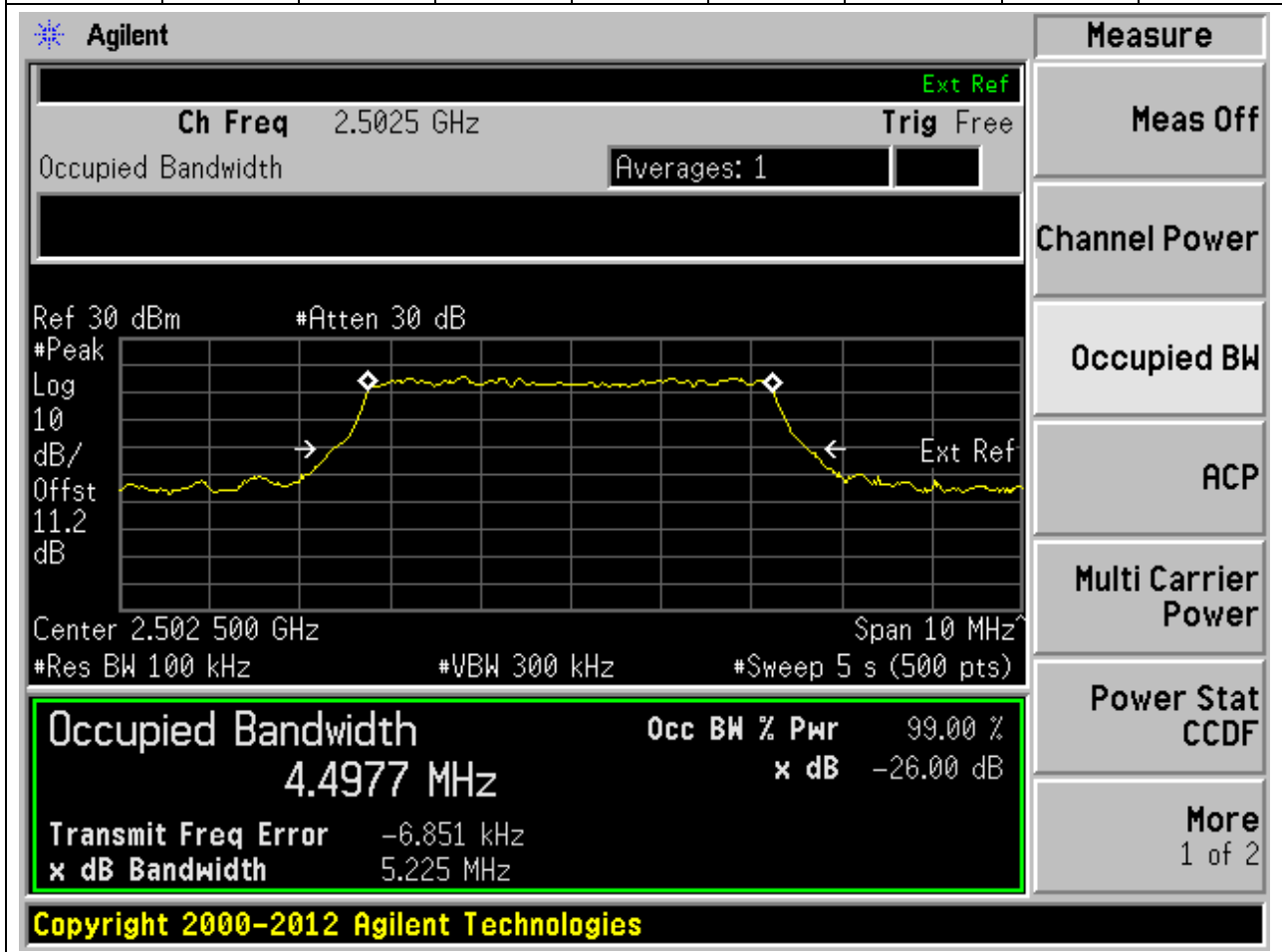
**Occupied Bandwidth Measurement Results:**

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4971 MHz	x dB	-26.00 dB
Transmit Freq Error		-11.103 kHz
x dB Bandwidth		5.316 MHz

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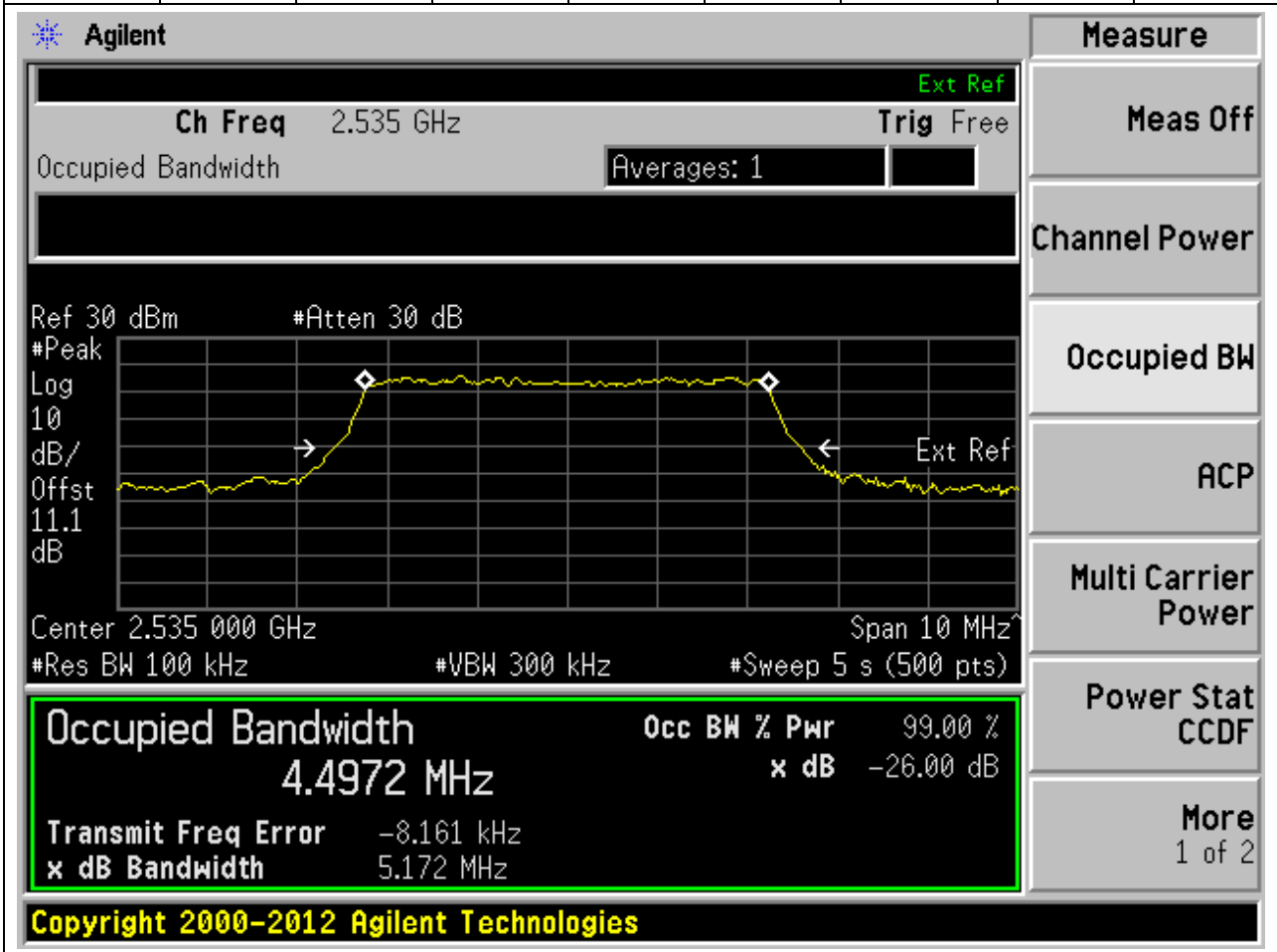
**2.4. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

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	4.5	5.23	5	Pass



**2.5. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:25, RB Position:0)**

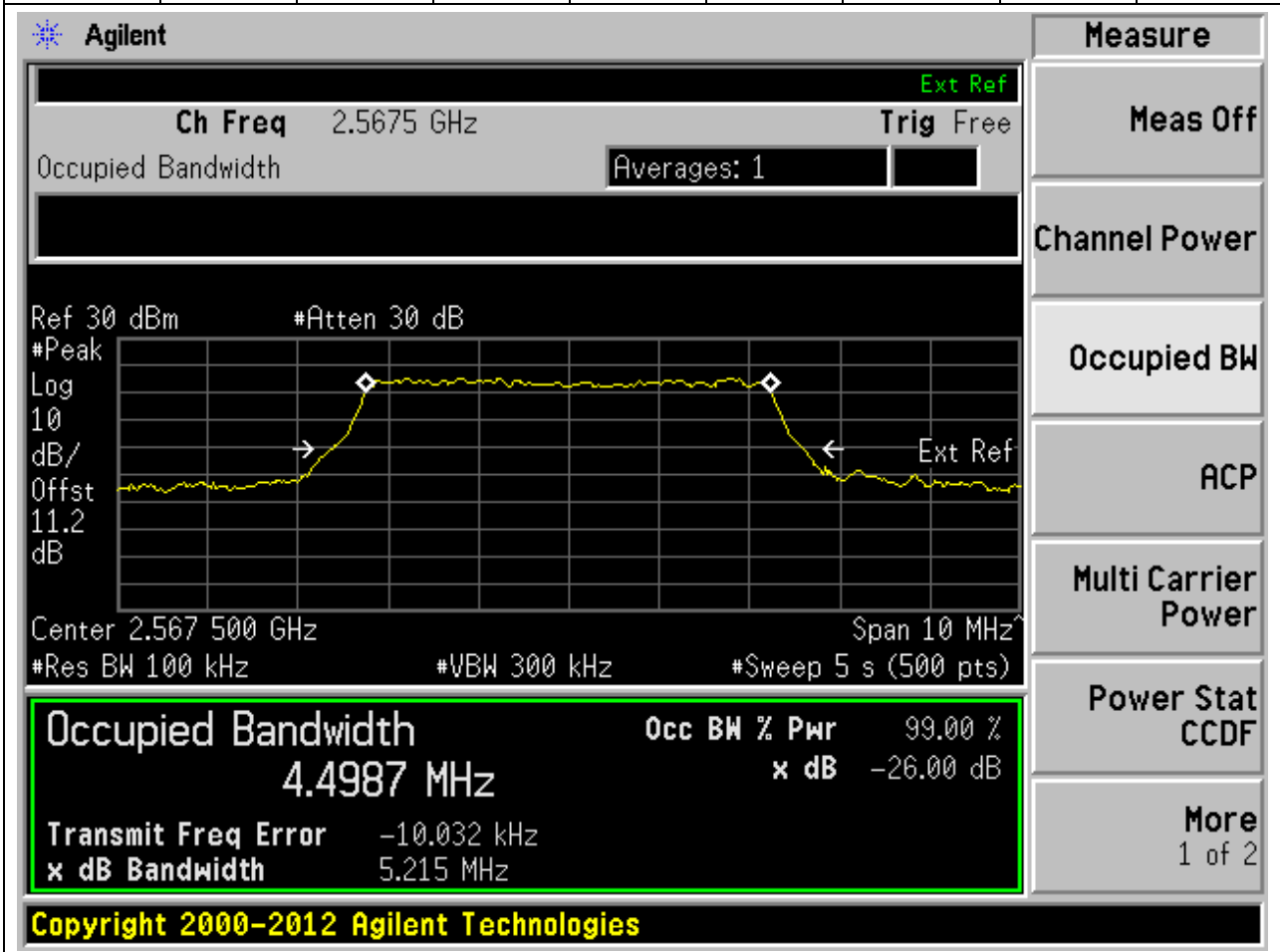
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.5	5.17	5	Pass





**2.6. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.22	5	Pass



**2.7. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

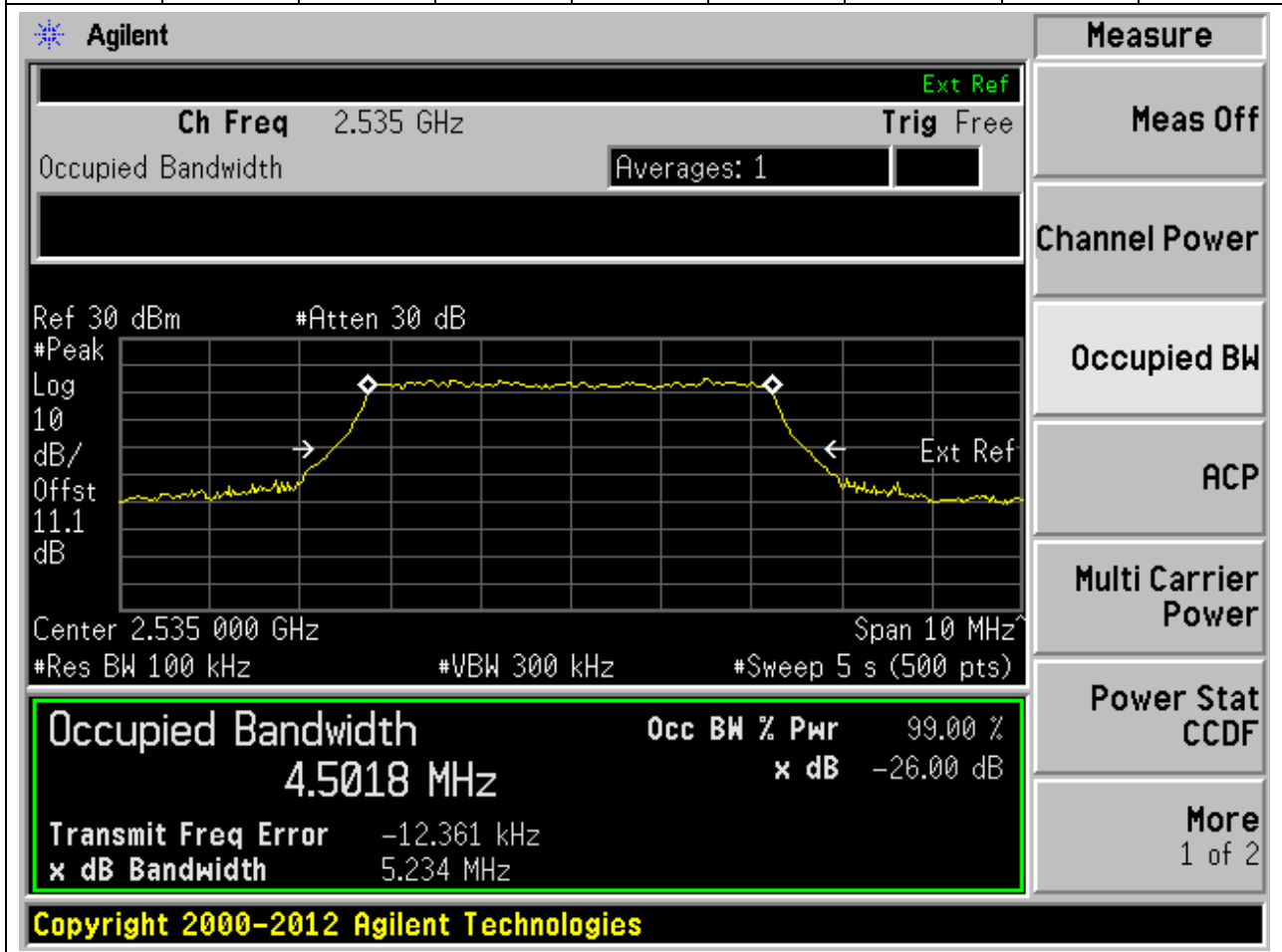
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.5	5.23	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The y-axis is labeled 'Log dB/Offst' and the x-axis is 'Center 2.502 500 GHz'. The plot shows a signal with a peak at approximately 2.5025 GHz. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.4959 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -12.061 kHz and the 'x dB Bandwidth' is 5.229 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr
4.4959 MHz	99.00 %
Transmit Freq Error	x dB
-12.061 kHz	-26.00 dB
x dB Bandwidth	
5.229 MHz	

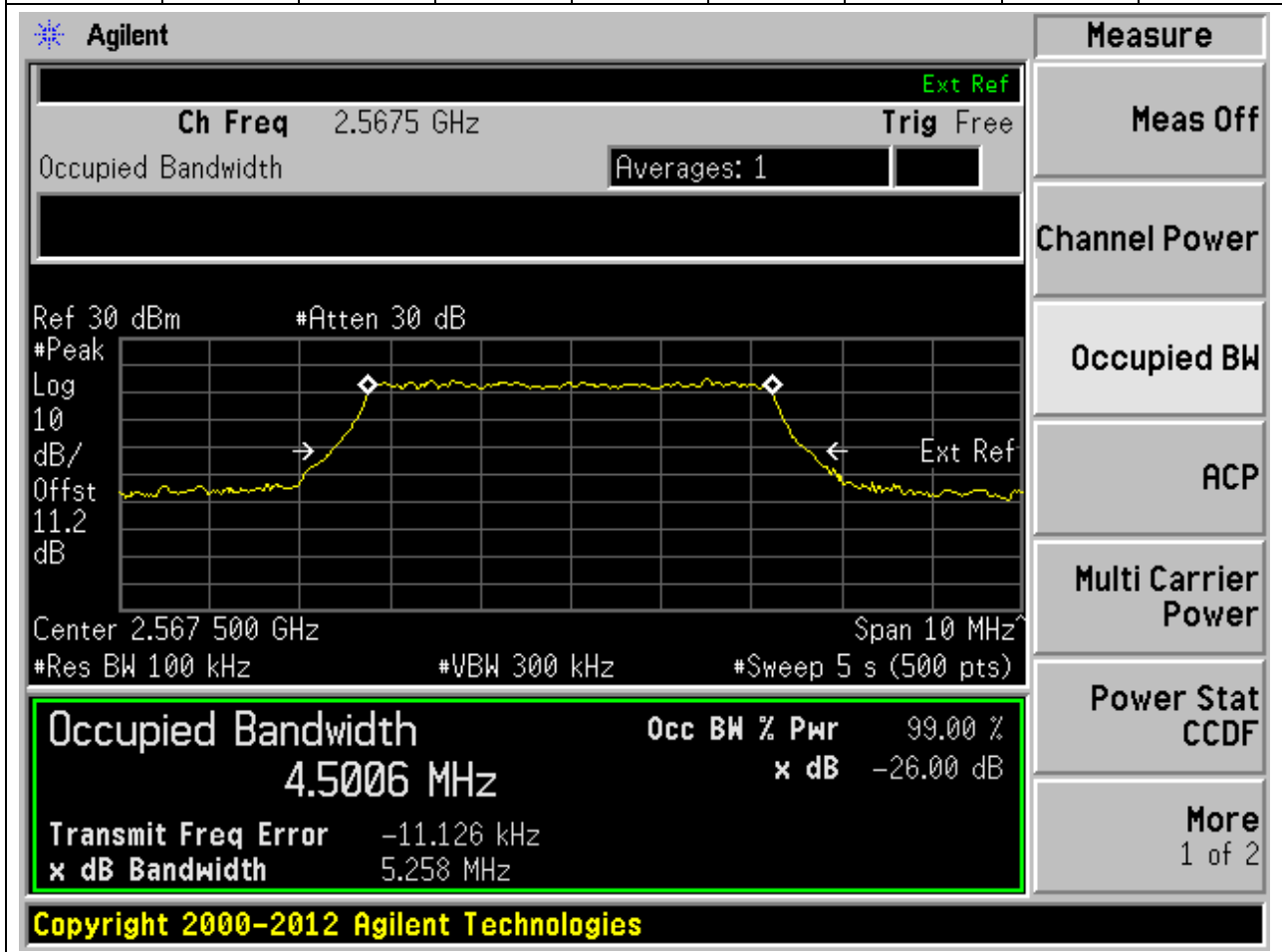
**2.8. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:25, RB Position:0)**

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	4.5	5.23	5	Pass



**2.9. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.5	5.26	5	Pass



**2.10. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:500500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.51	5.27	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.5025 GHz. The occupied bandwidth is highlighted as 4.5139 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The plot also shows a transmit frequency error of -12.250 kHz and an XdB bandwidth of 5.272 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

**2.11. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.52	5.3	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.535 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is labeled with 'Ref 30 dBm', '#Atten 30 dB', and '#Peak Log 10 dB/Offst 11.1 dB'. The plot shows a signal with a flat top and sloped sides, with two diamond markers indicating the measurement points. The bottom section of the screen displays the following measurement results:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>4.5190 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-13.176 kHz
<b>x dB Bandwidth</b>		5.296 MHz

Additional parameters shown at the bottom of the plot area include: Center 2.535 000 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, and #Sweep 5 s (500 pts). The right-hand side of the interface features a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

**2.12. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513500, Bandwidth:5, SCS:15, OFDM:CP-OFDM, 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	4.51	5.27	5	Pass

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

Measurement	Value
Occupied Bandwidth	4.5122 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-11.660 kHz
x dB Bandwidth	5.272 MHz

Additional parameters shown in the interface include: Ch Freq 2.5675 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.2 dB, Center 2.567 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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**2.13. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.26	9.78	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow signal trace. The plot is centered at 2.505 GHz with a span of 20 MHz. The signal level is approximately 11.2 dB. The occupied bandwidth is highlighted with a green box and shows a value of 9.2615 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The interface also shows various measurement parameters such as Res BW (30 kHz), VBW (1 MHz), and Sweep (5 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
9.2615 MHz	99.00 %	-26.00 dB

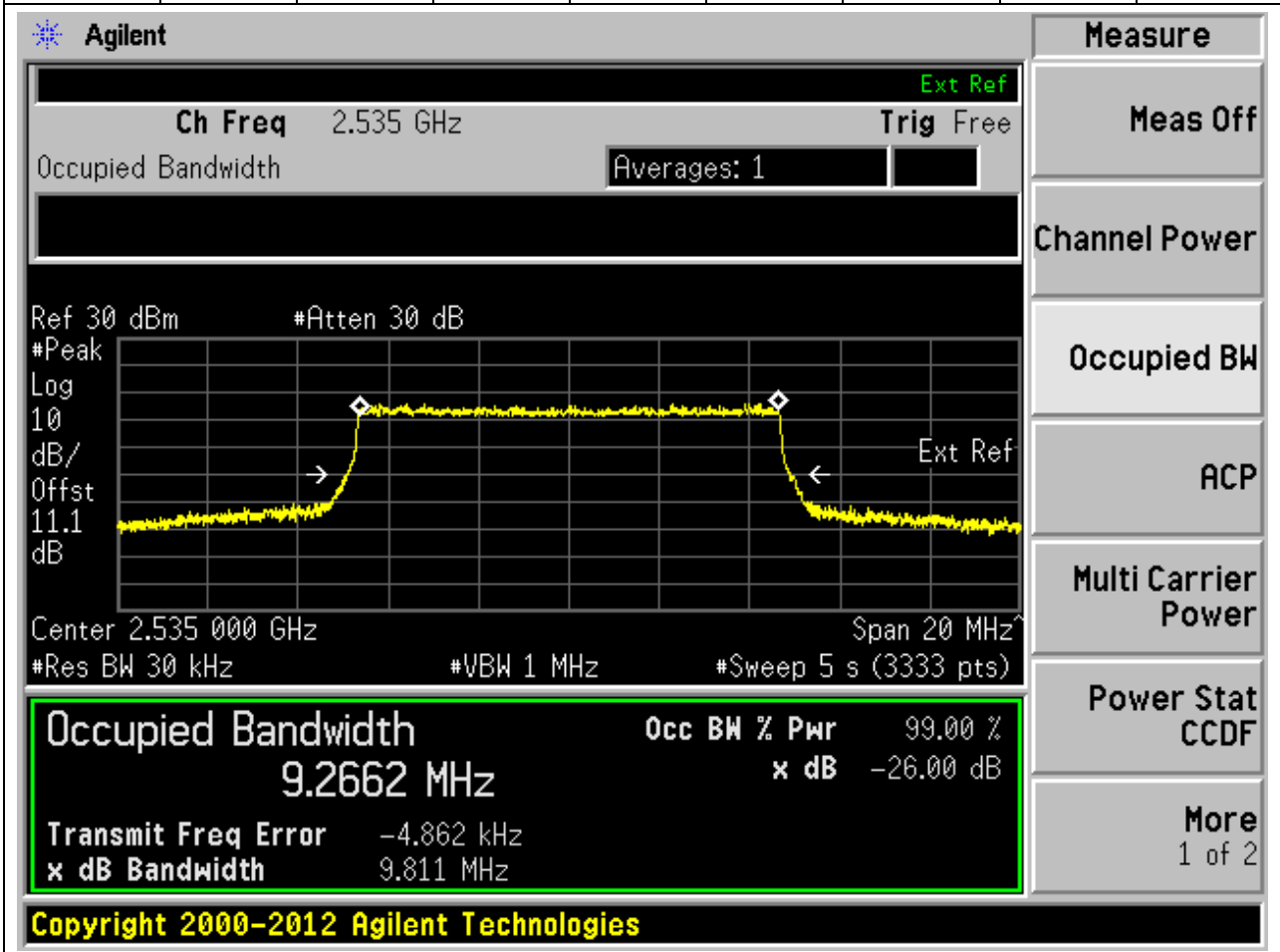
Transmit Freq Error: -3.761 kHz  
x dB Bandwidth: 9.777 MHz

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**2.14. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.27	9.81	10	Pass



**2.15. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:52, 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	0.03	Peak	9.26	9.73	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.565 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow signal trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log', '10 dB/Offst', and '11.2 dB'. The plot shows a signal with a flat top and sloped sides, with 'Ext Ref' markers on the top edge. Below the plot, the following parameters are listed: 'Center 2.565 000 GHz', 'Span 20 MHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (3333 pts)'. A summary box at the bottom left highlights the following results: 'Occupied Bandwidth 9.2606 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -5.503 kHz', and 'x dB Bandwidth 9.725 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, the copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible.

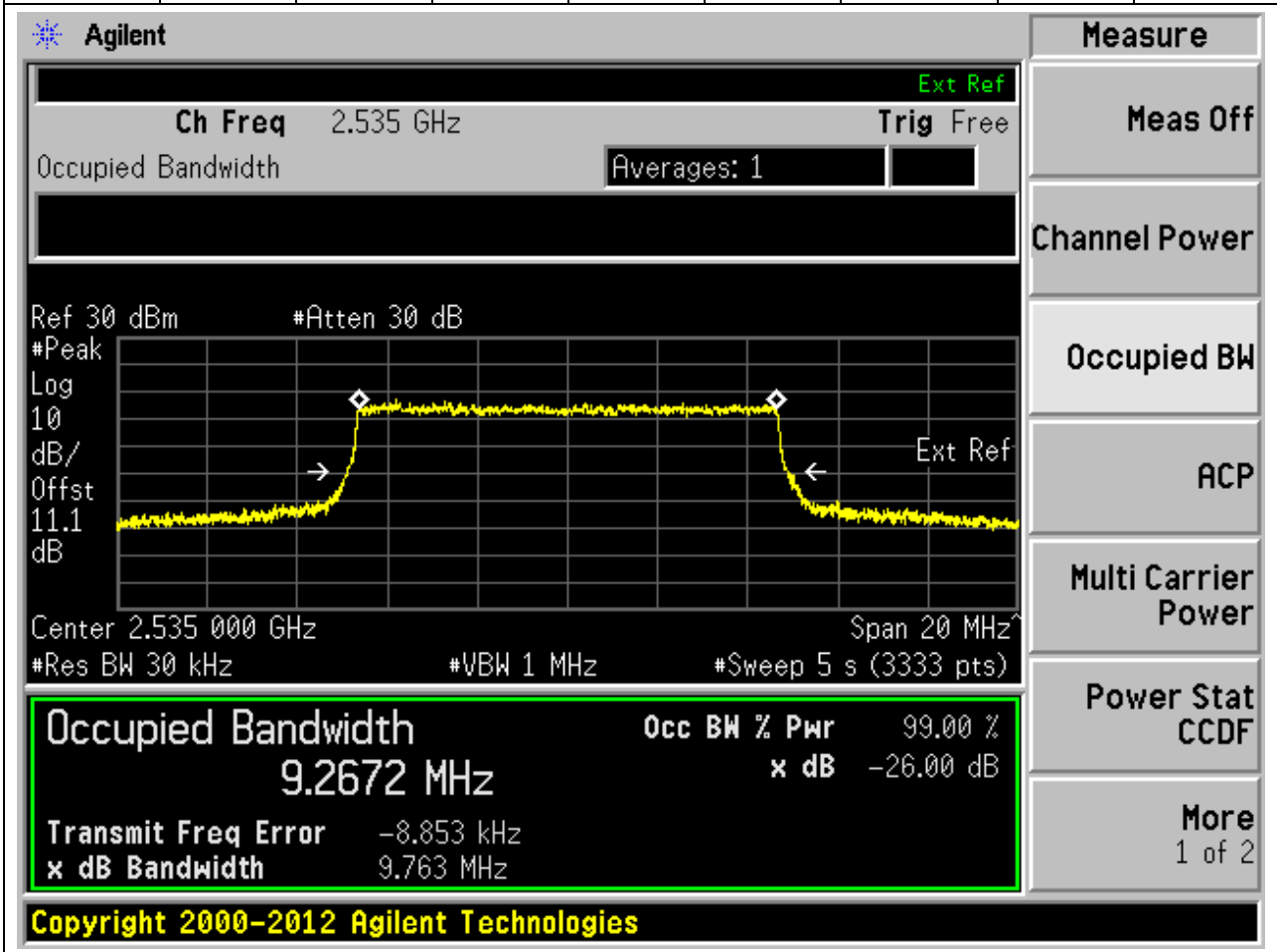
**2.16. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.03	Peak	9.27	9.8	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.505 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow signal trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log 10 dB/Offst 11.2 dB', 'Center 2.505 000 GHz', 'Span 20 MHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (3333 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 9.2667 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -8.011 kHz', and 'x dB Bandwidth 9.798 MHz'. On the right side, there is a 'Measure' menu with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

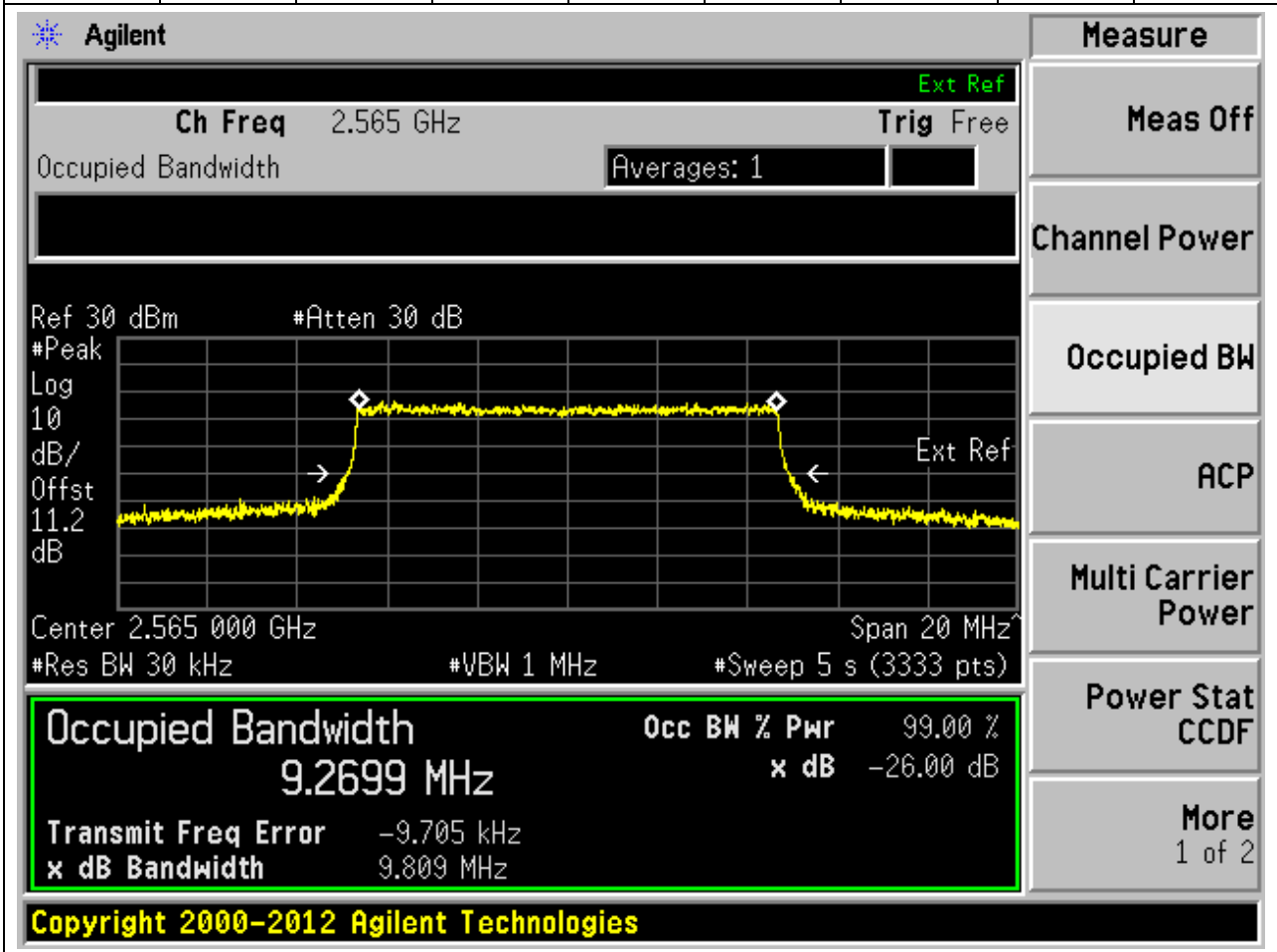
**2.17. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	9.27	9.76	10	Pass



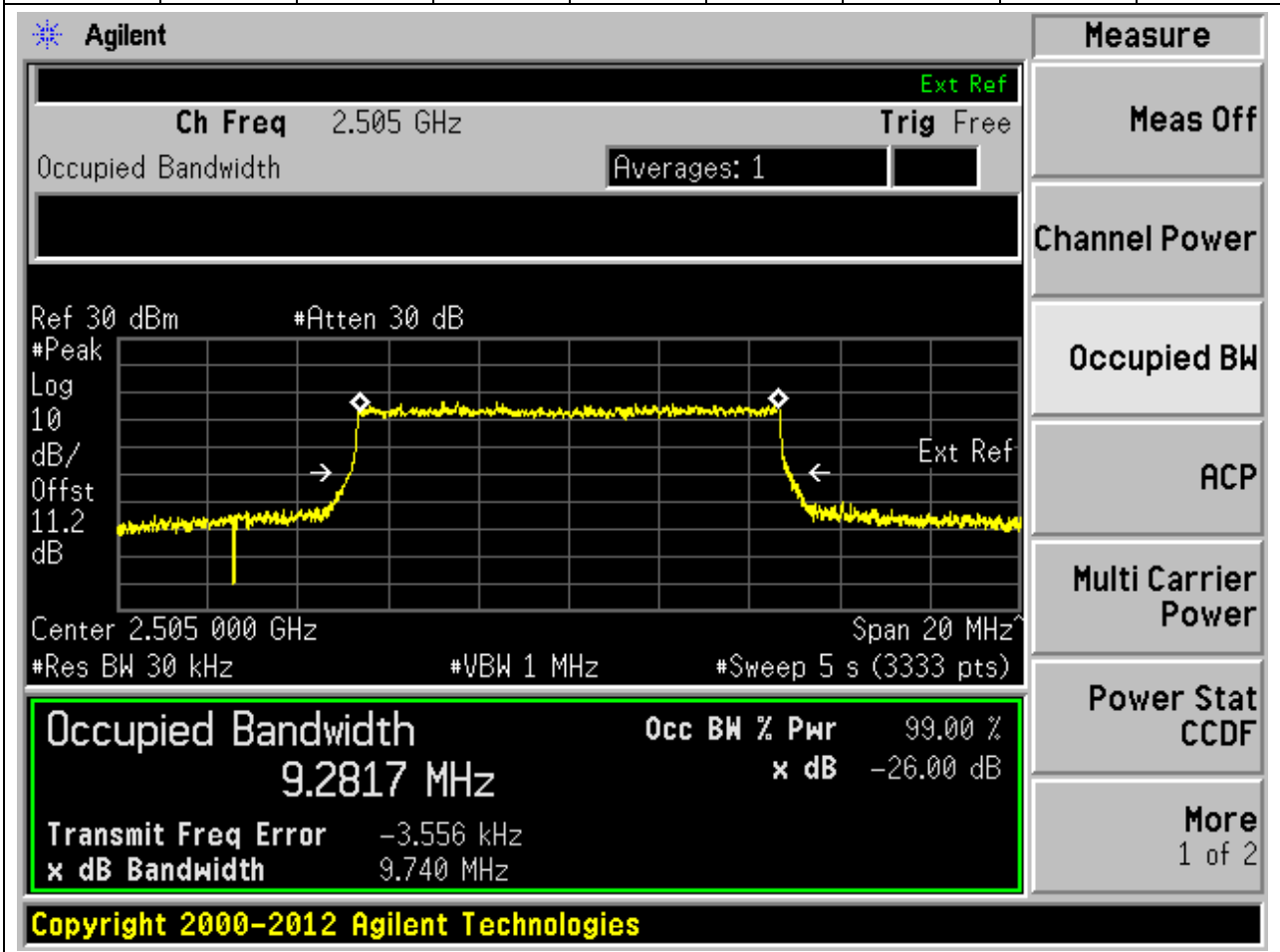
**2.18. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.03	Peak	9.27	9.81	10	Pass



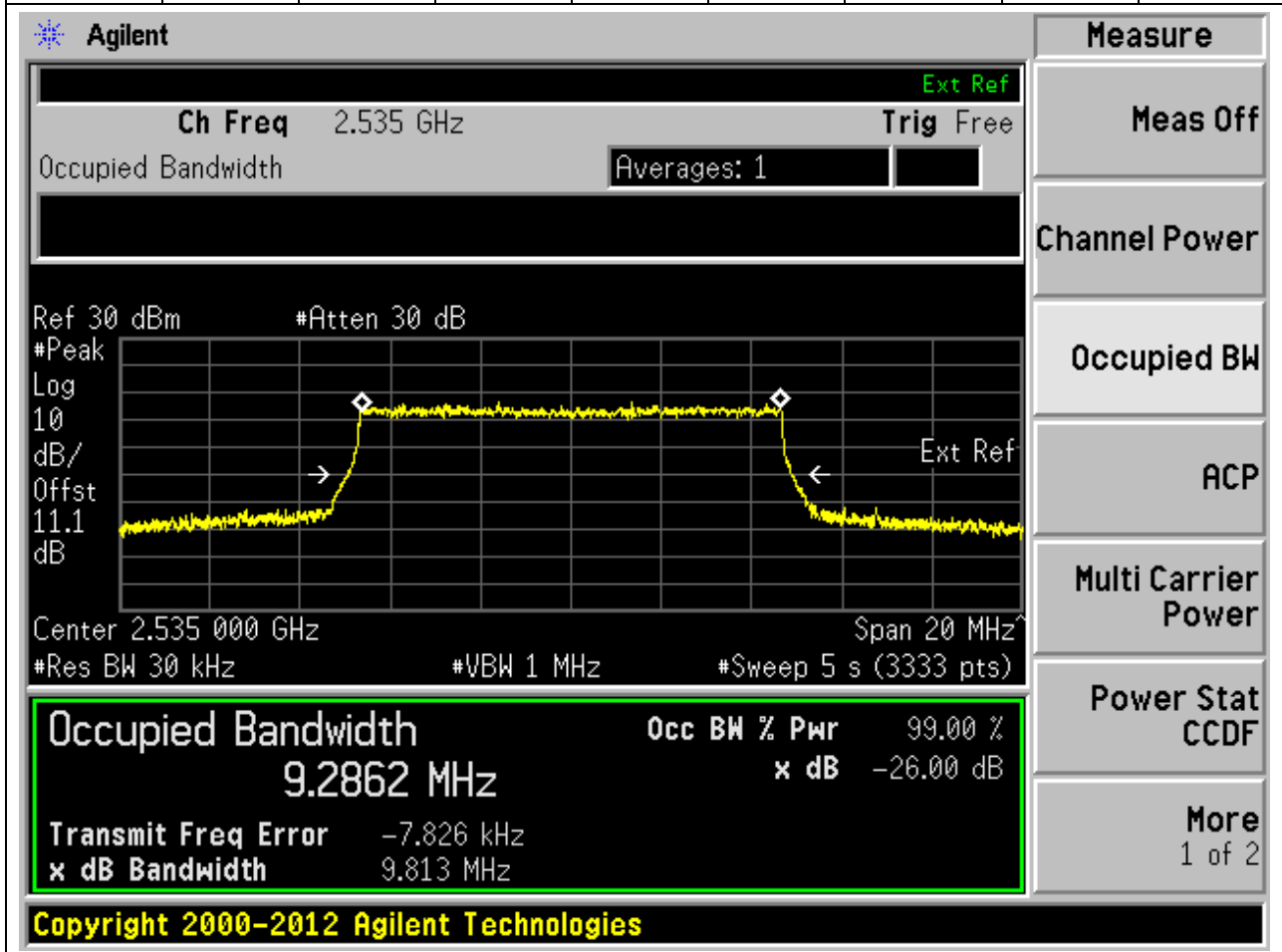
**2.19. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.03	Peak	9.28	9.74	10	Pass



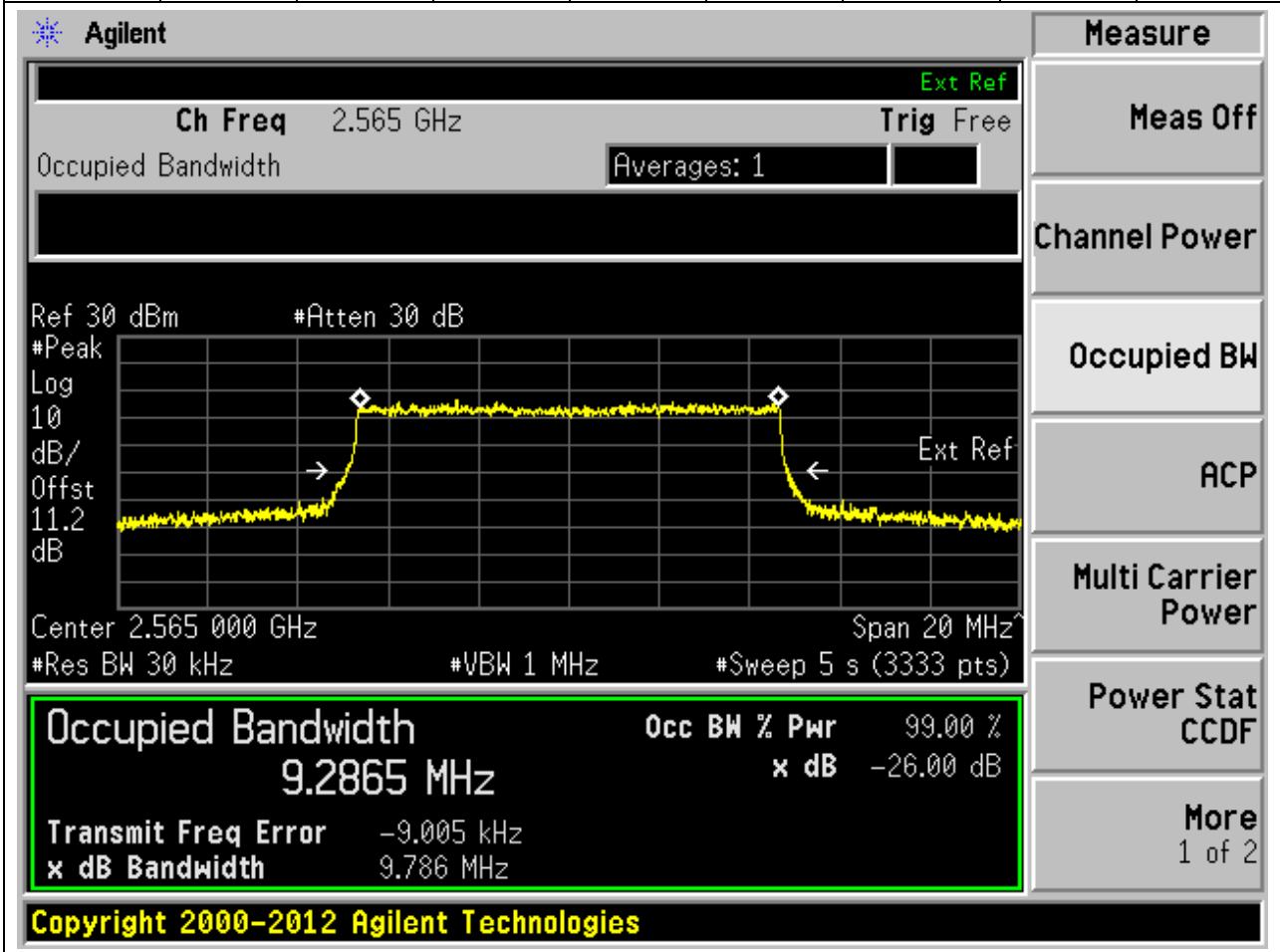
**2.20. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	9.29	9.81	10	Pass



**2.21. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:52, RB Position:0)**

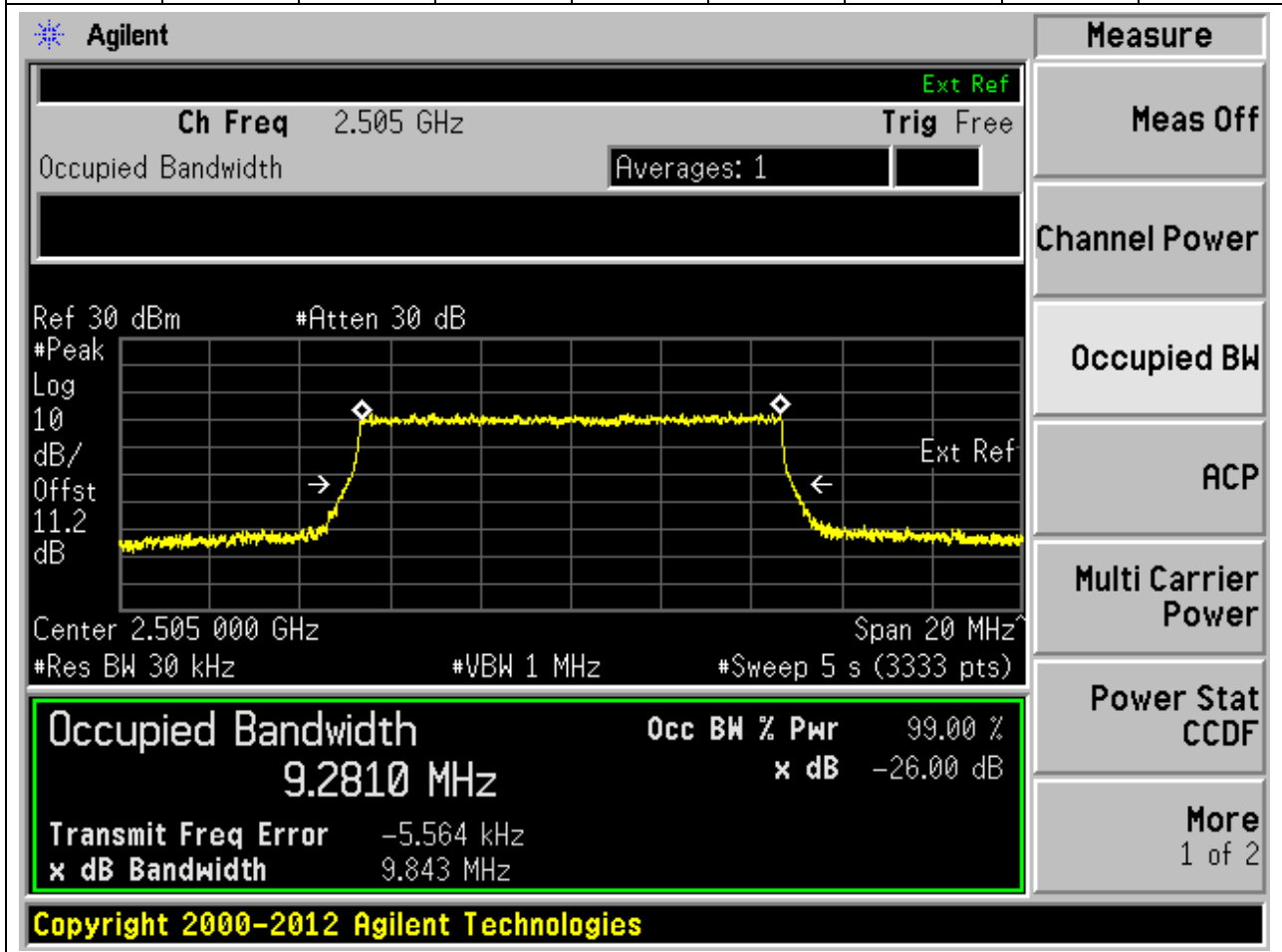
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.03	Peak	9.29	9.79	10	Pass





**2.22. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, 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	0.03	Peak	9.28	9.84	10	Pass



**2.23. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, 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	0.03	Peak	9.27	9.8	10	Pass

**Agilent**
**Measure**

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.535 000 GHz Span 20 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (3333 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

**9.2691 MHz**

Transmit Freq Error -7.262 kHz

x dB Bandwidth 9.798 MHz

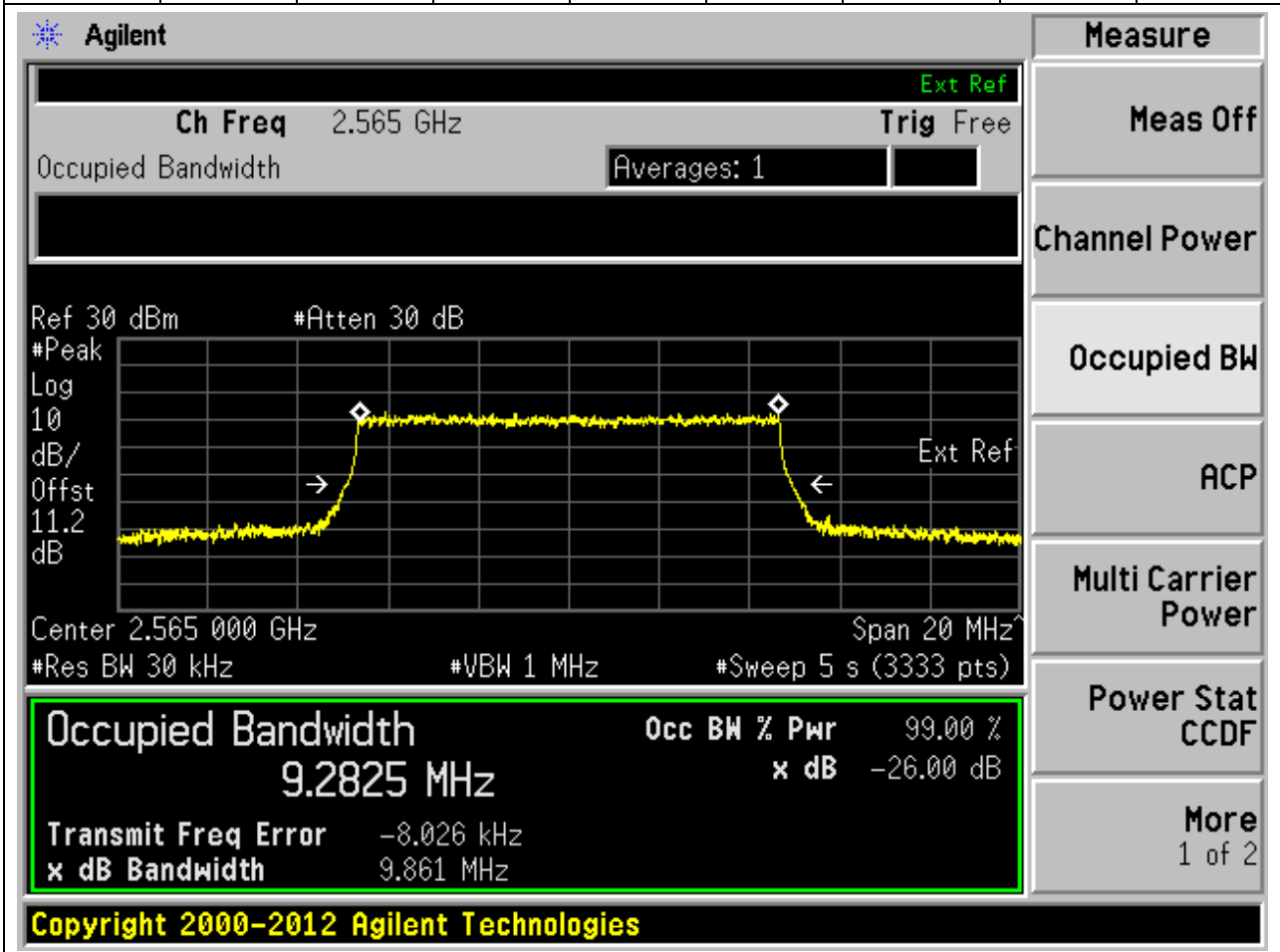
**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

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**2.24. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:513000, Bandwidth:10, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:52, 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	0.03	Peak	9.28	9.86	10	Pass



**2.25. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, 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	0.03	Peak	14.09	14.65	15	Pass

**Agilent**

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.2 dB

Center 2.507500 GHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

**Occupied Bandwidth** 14.0920 MHz

Occ BW % Pwr 99.00 %

x dB Bandwidth 14.654 MHz

x dB -26.00 dB

Transmit Freq Error 171.714 Hz

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**Measure**

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**2.26. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, 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	0.03	Peak	14.09	14.75	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.535 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow signal trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log', '10 dB/Offst', and '11.1 dB'. The plot shows a signal with a flat top and sloped sides, with two white diamonds marking the edges of the signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the plot area, showing a value of 14.0907 MHz. Other parameters shown include 'Center 2.535 000 GHz', 'Span 30 MHz', '#Res BW 30 kHz', '#VBW 1 MHz', and '#Sweep 5 s (5000 pts)'. A summary table at the bottom of the plot area shows:

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
14.0907 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-3.632 kHz
<b>x dB Bandwidth</b>		14.746 MHz

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

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**2.27. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:79, 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	0.03	Peak	14.08	14.77	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 results are as follows:

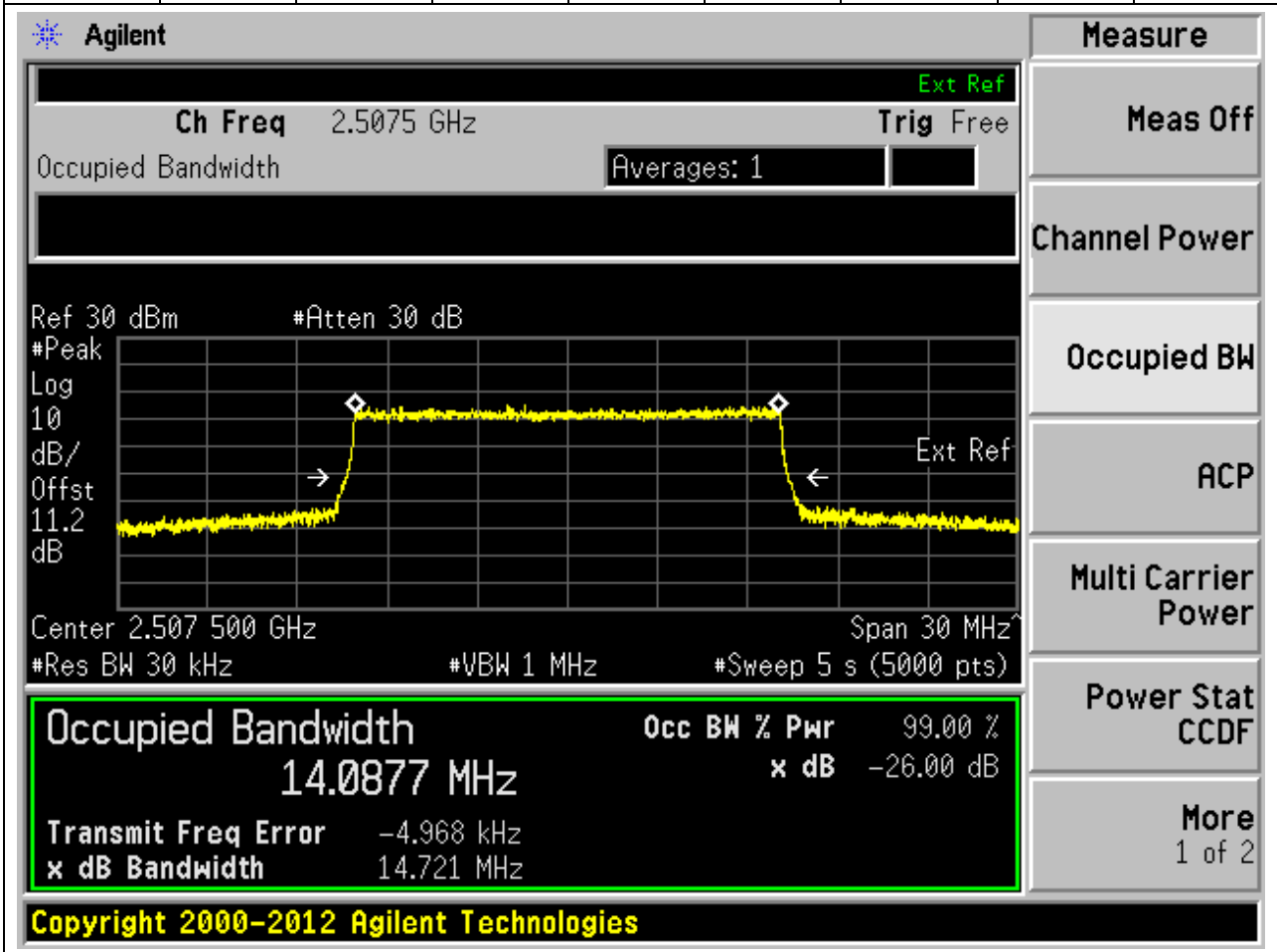
Measurement	Value
Occupied Bandwidth	14.0790 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-5.798 kHz
x dB Bandwidth	14.766 MHz

Additional parameters shown in the interface include: Ch Freq 2.5625 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.2 dB, Center 2.562500 GHz, Span 30 MHz, #Res BW 30 kHz, #VBW 1 MHz, #Sweep 5 s (5000 pts).

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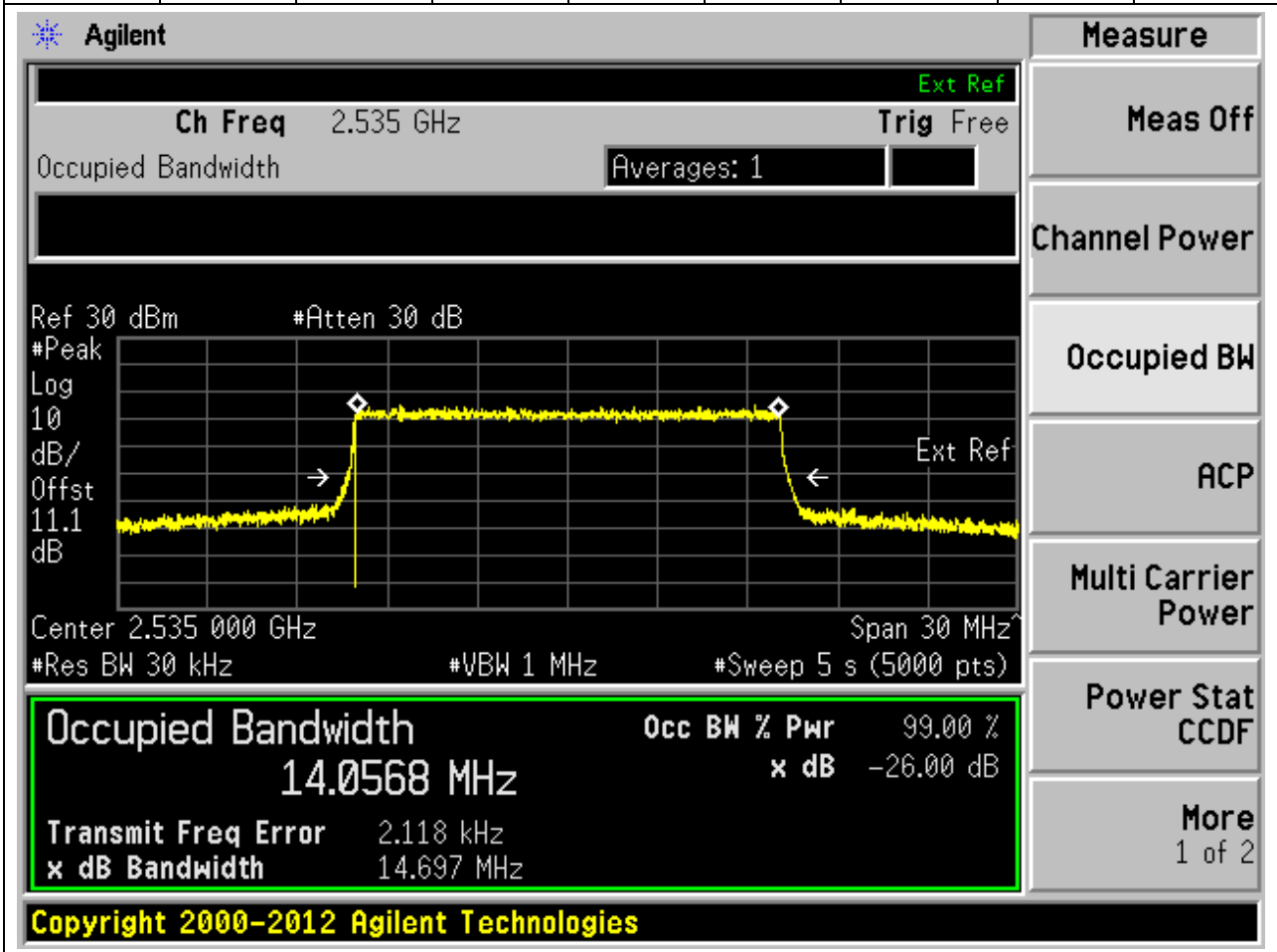
**2.28. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.03	Peak	14.09	14.72	15	Pass



**2.29. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, RB Position:0)**

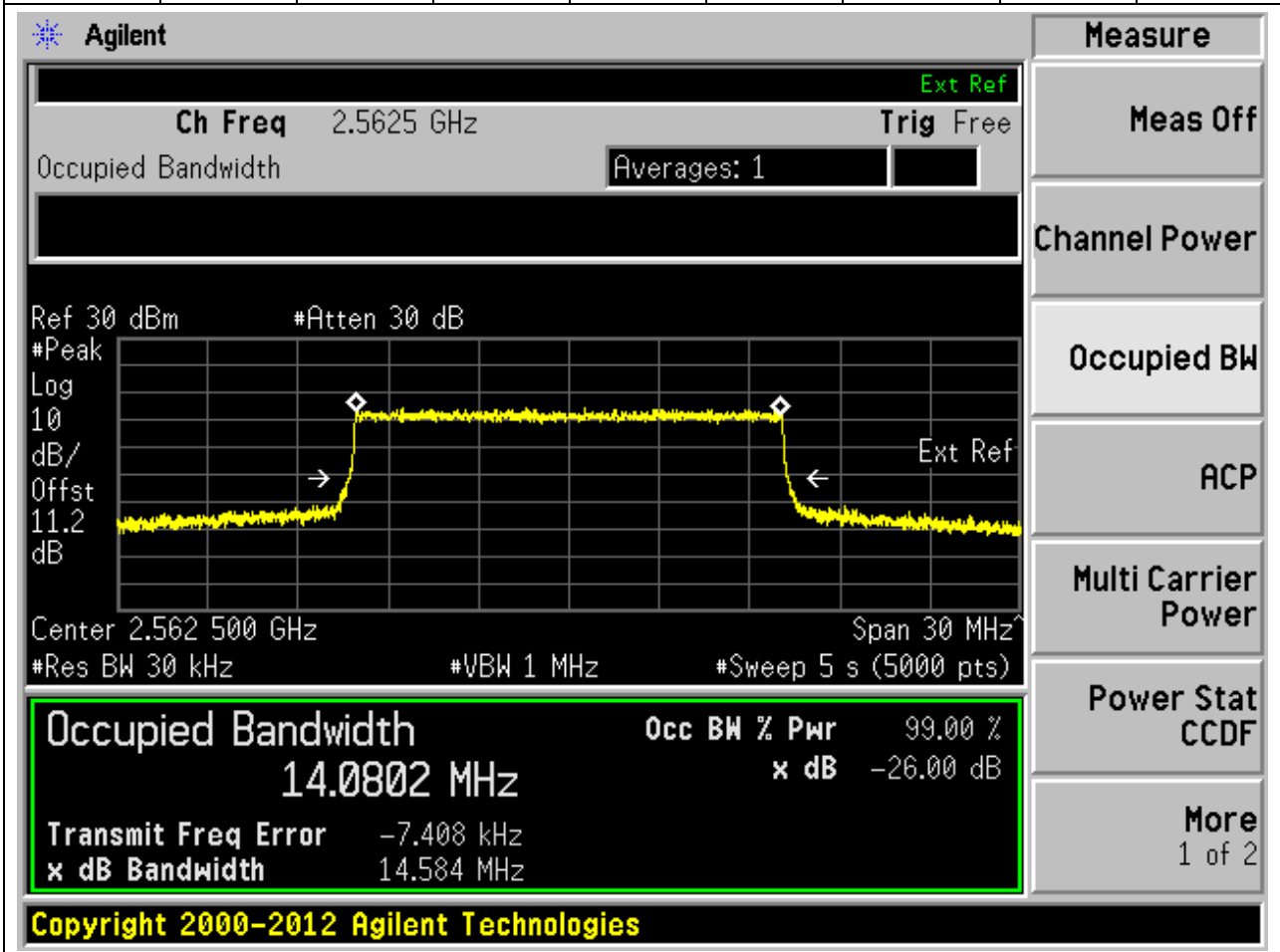
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	14.06	14.7	15	Pass





**2.30. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:79, 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	0.03	Peak	14.08	14.58	15	Pass



**2.31. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, 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	0.03	Peak	14.09	14.68	15	Pass

**Agilent**
Measure

Ch Freq 2.5075 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.507 500 GHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**14.0929 MHz**

Transmit Freq Error -10.662 kHz

x dB Bandwidth 14.679 MHz

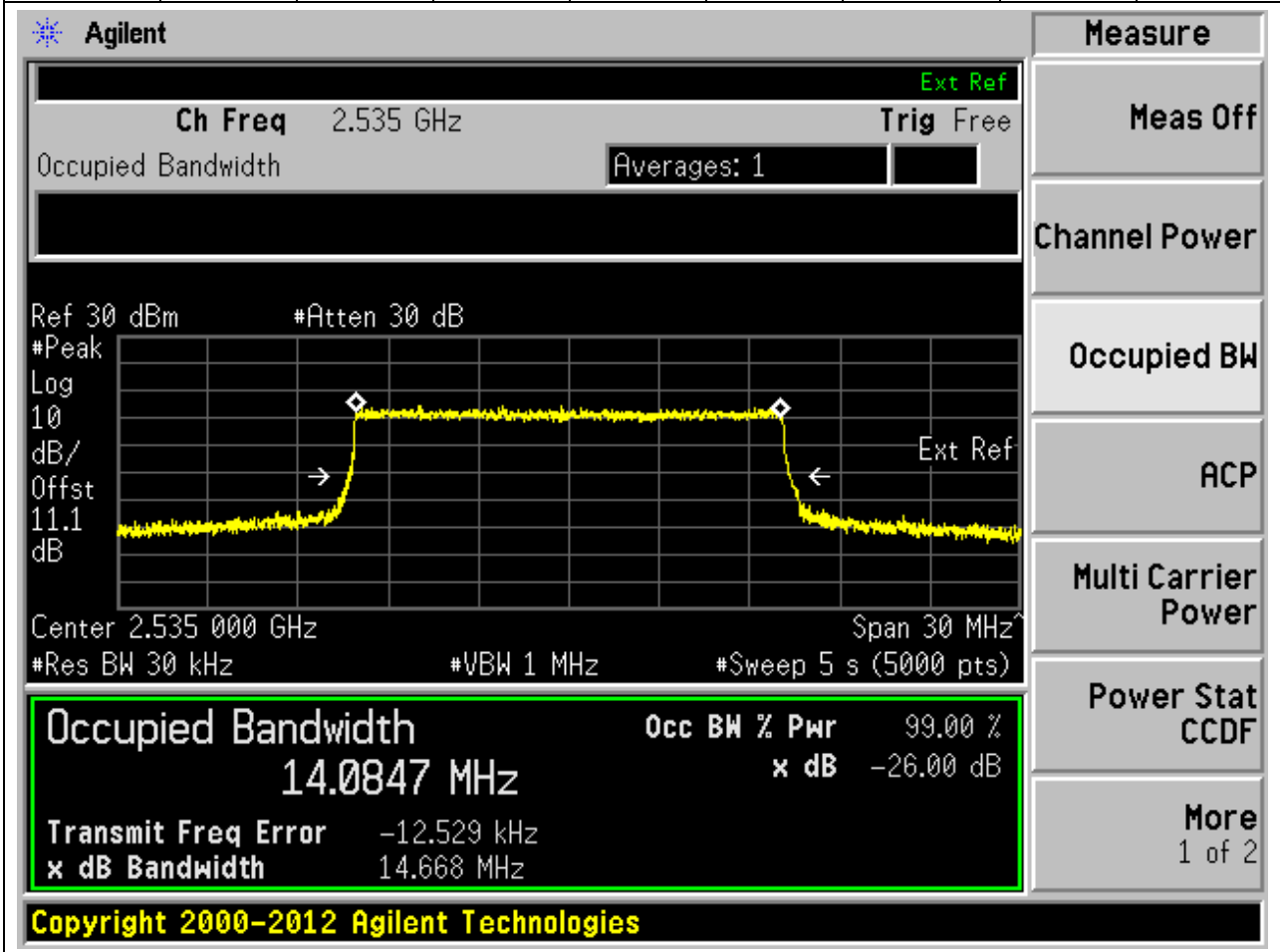
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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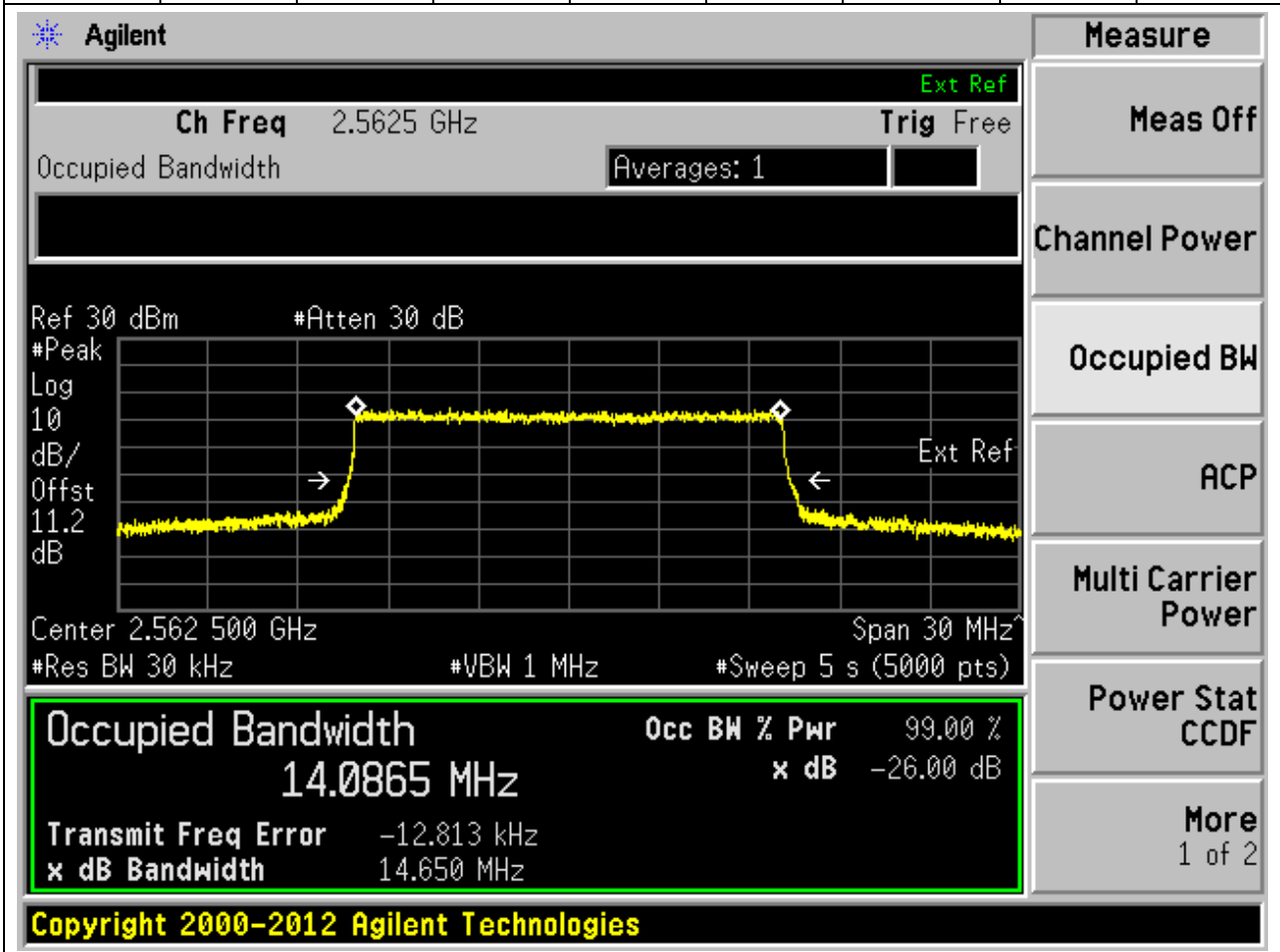
**2.32. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	14.08	14.67	15	Pass



**2.33. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:79, 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	0.03	Peak	14.09	14.65	15	Pass



**2.34. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:501500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, 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	0.03	Peak	14.1	14.57	15	Pass

**Agilent**
**Measure**

**Ch Freq** 2.5075 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Ext Ref

Ref 30 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.2

dB

Ext Ref

Center 2.507 500 GHz Span 30 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (5000 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
14.0973 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -517.743 Hz	
<b>x dB Bandwidth</b> 14.573 MHz	

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**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

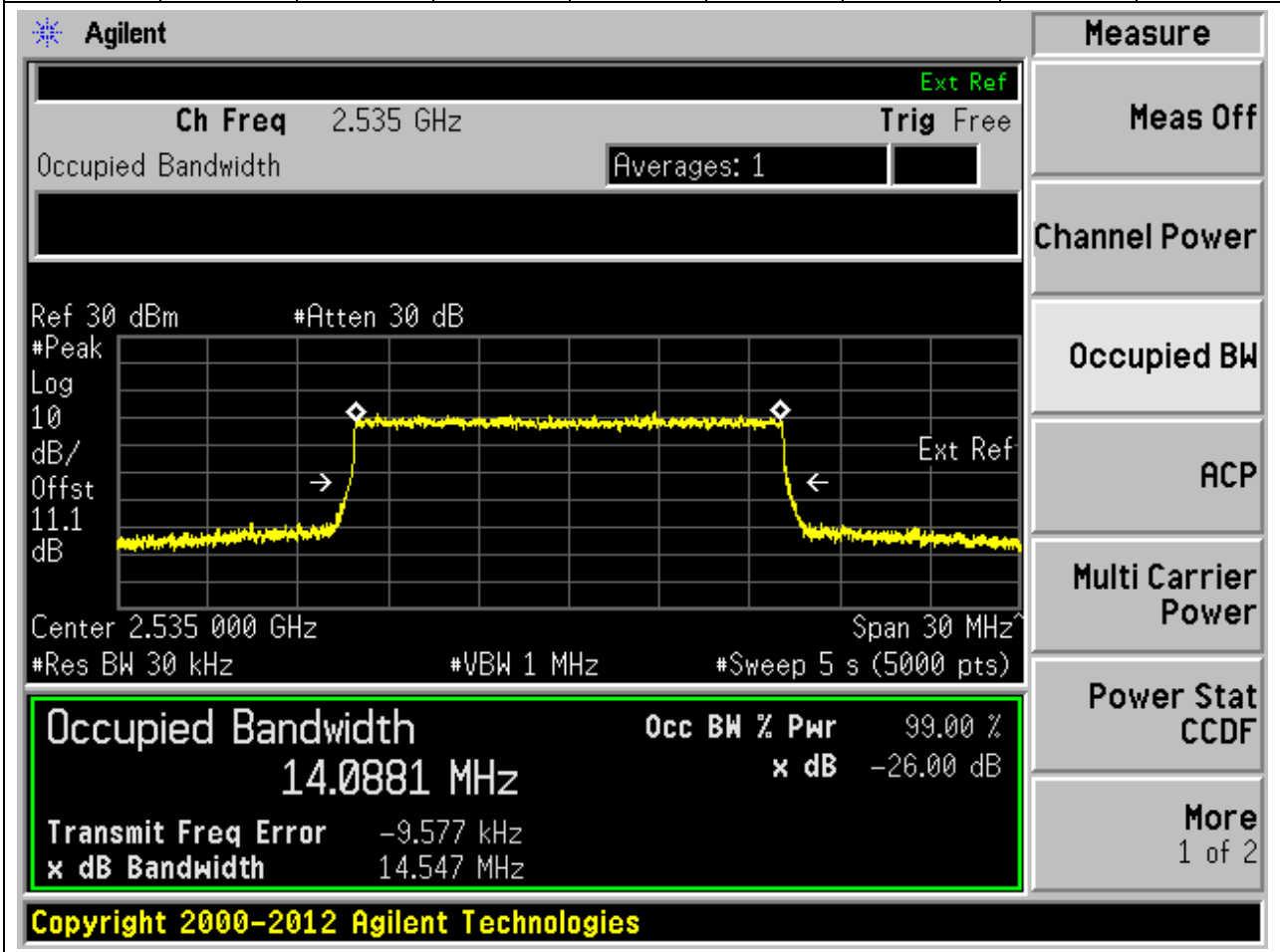
**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

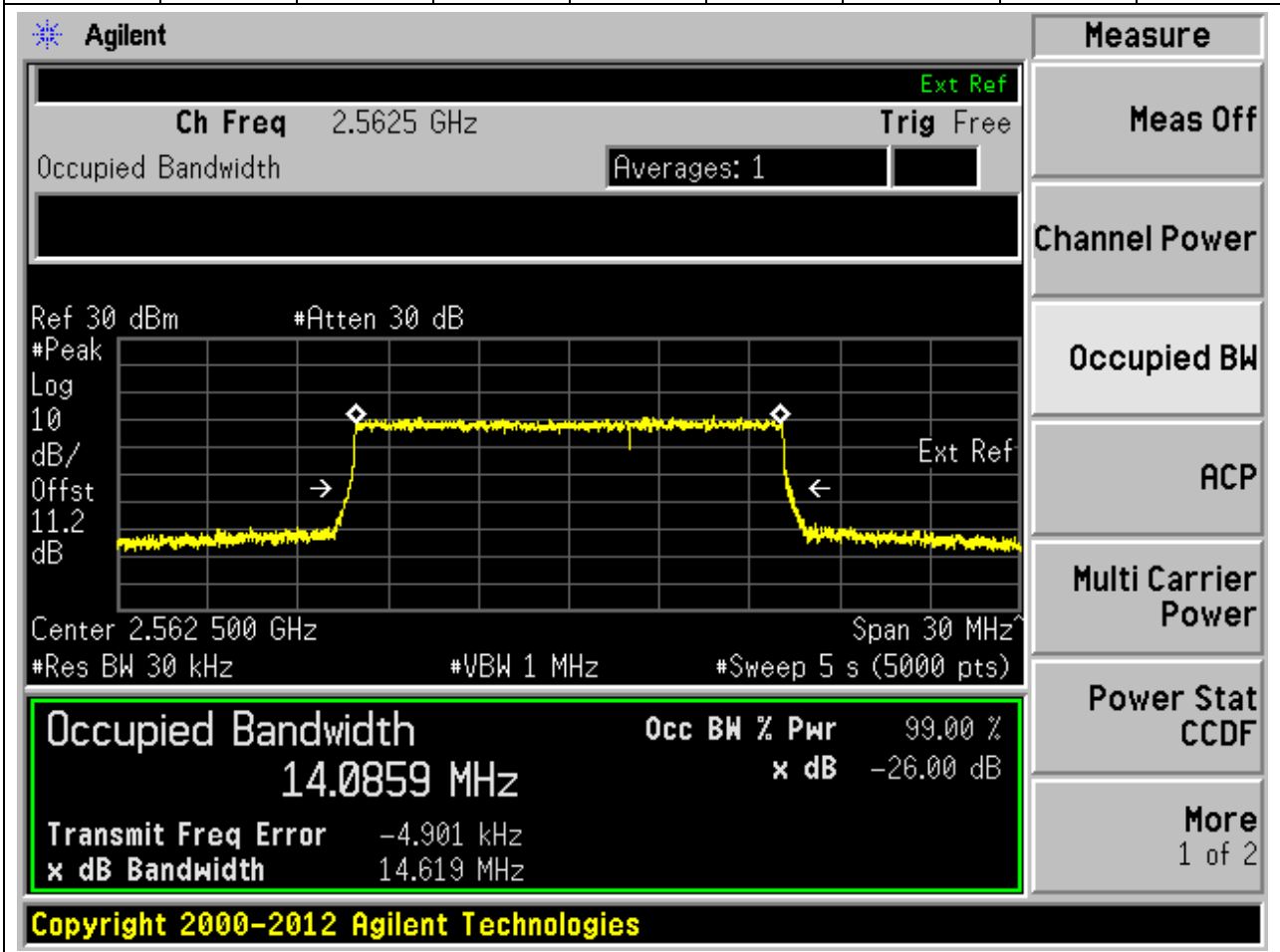
**2.35. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	14.09	14.55	15	Pass



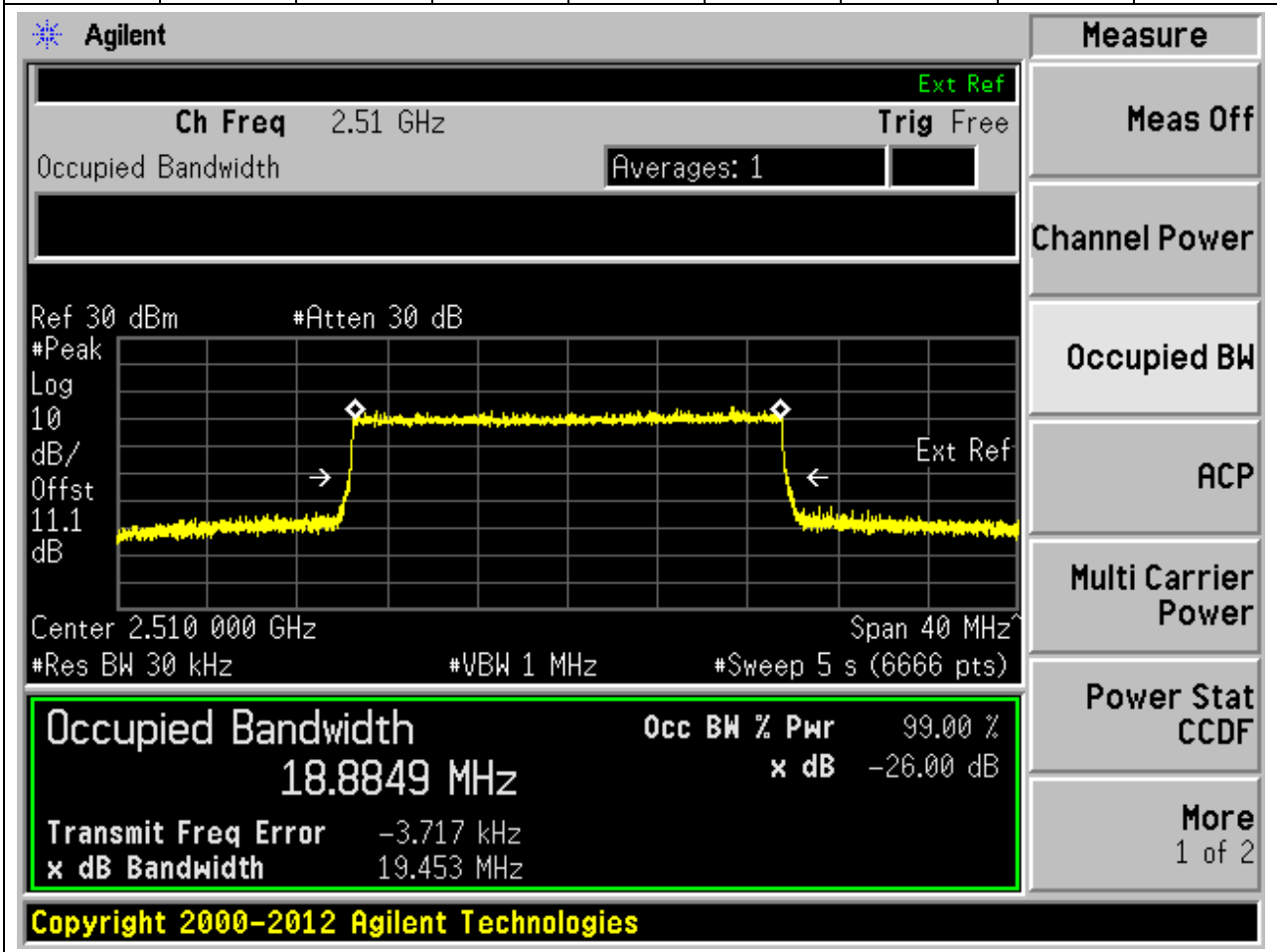
**2.36. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512500, Bandwidth:15, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:79, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.03	Peak	14.09	14.62	15	Pass



**2.37. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, 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	0.03	Peak	18.88	19.45	20	Pass





**2.38. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, 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	0.03	Peak	18.88	19.43	20	Pass

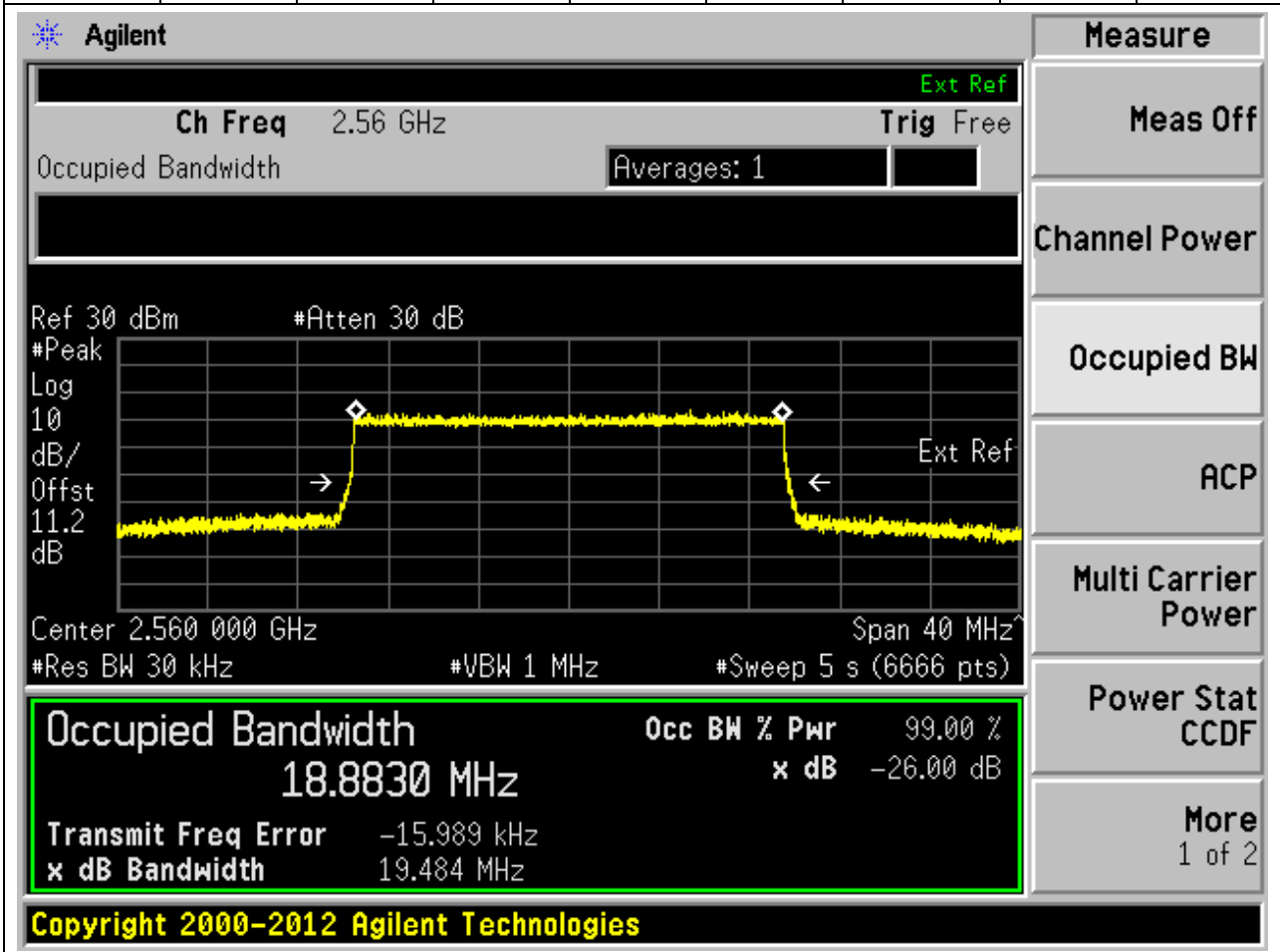
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 2.535 GHz, and the span is 40 MHz. The occupied bandwidth is measured as 18.8797 MHz, which is 99.00% of the power. The XdB bandwidth is 19.433 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -19.967 kHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.8797 MHz	x dB	-26.00 dB
Transmit Freq Error	-19.967 kHz	
x dB Bandwidth	19.433 MHz	

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**2.39. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, 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	0.03	Peak	18.88	19.48	20	Pass



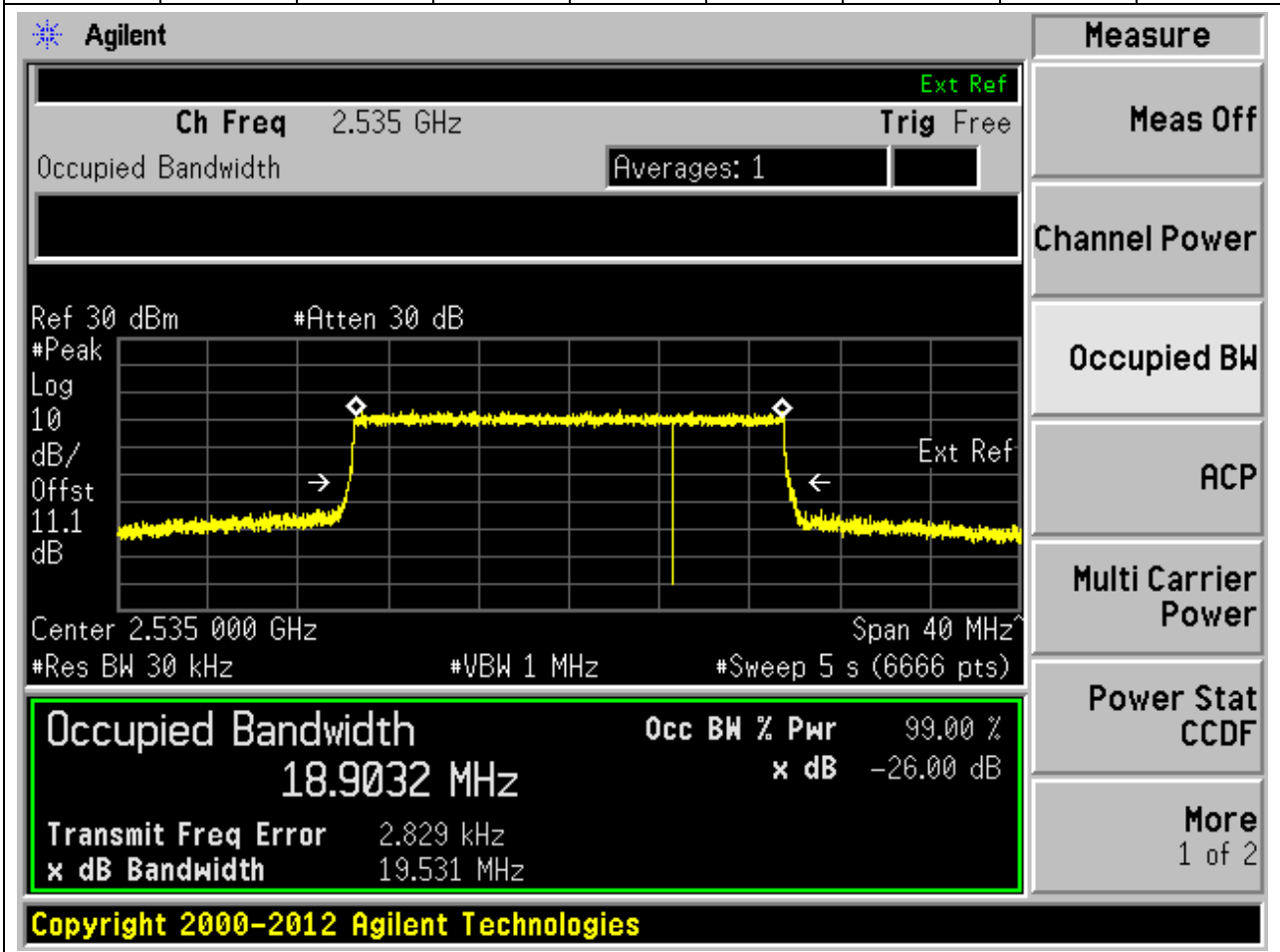
**2.40. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.03	Peak	18.9	19.49	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 signal trace. The plot is set to 'Ref 30 dBm' and '#Atten 30 dB'. The signal is centered at 2.510 000 GHz with a span of 40 MHz. The resolution bandwidth is 30 kHz, and the video bandwidth is 1 MHz. The sweep time is 5 seconds (6666 points). The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 18.9032 MHz. The 'Occ BW % Pwr' is 99.00%, and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 8.894 kHz, and the 'x dB Bandwidth' is 19.489 MHz. The 'Verdict' is 'Pass'. The interface also shows 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 copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

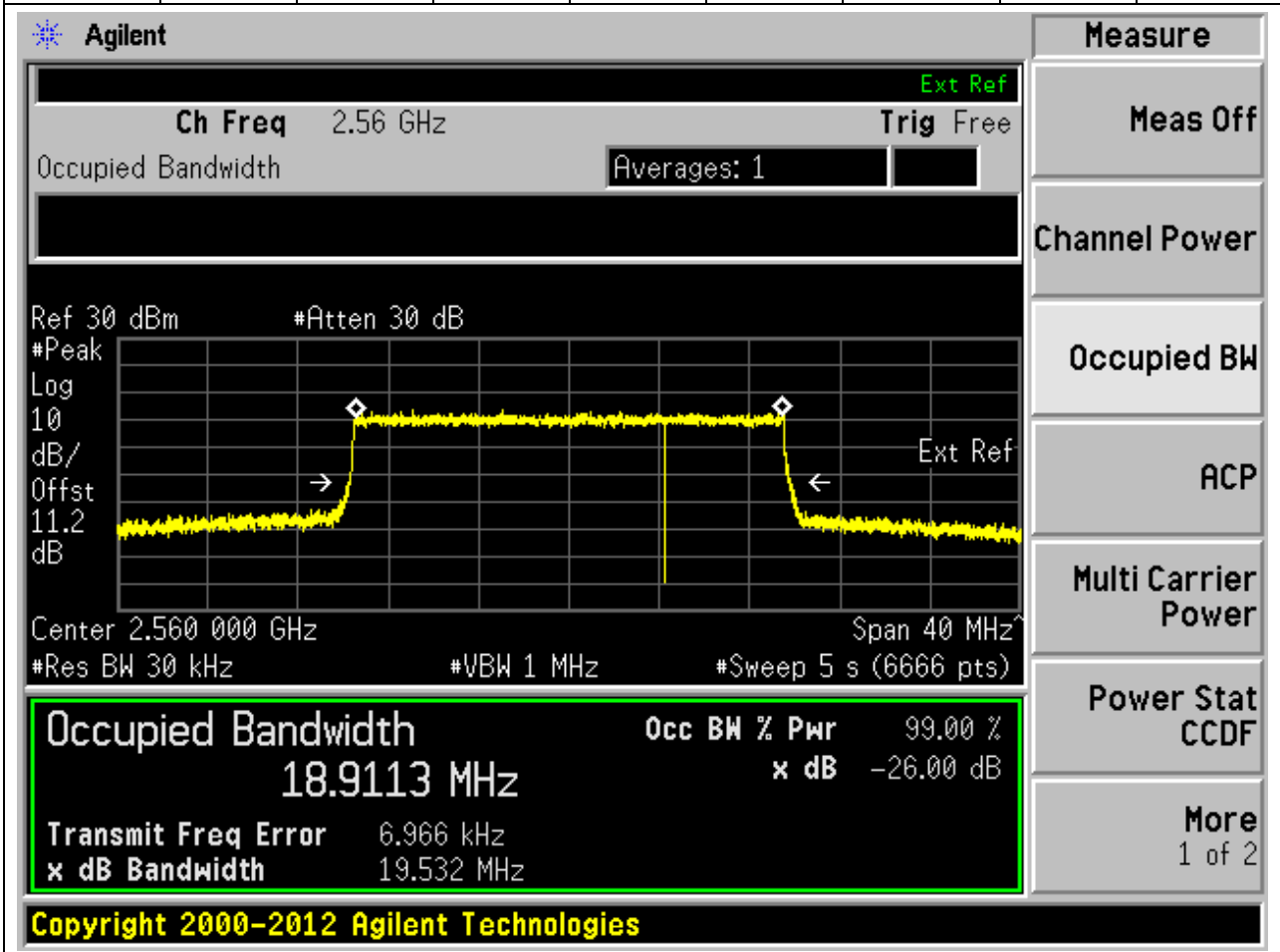
**2.41. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.03	Peak	18.9	19.53	20	Pass



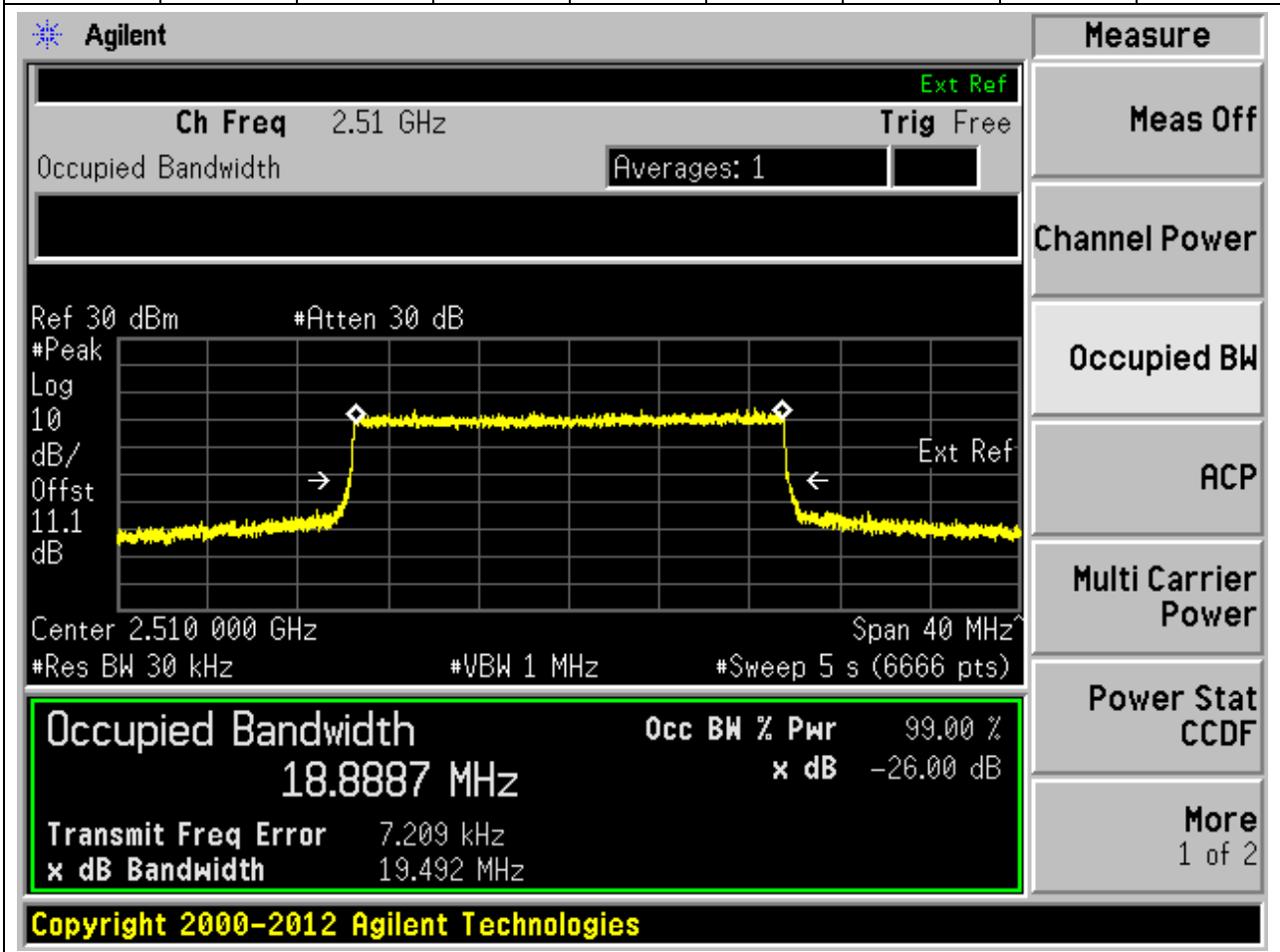
**2.42. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.03	Peak	18.91	19.53	20	Pass



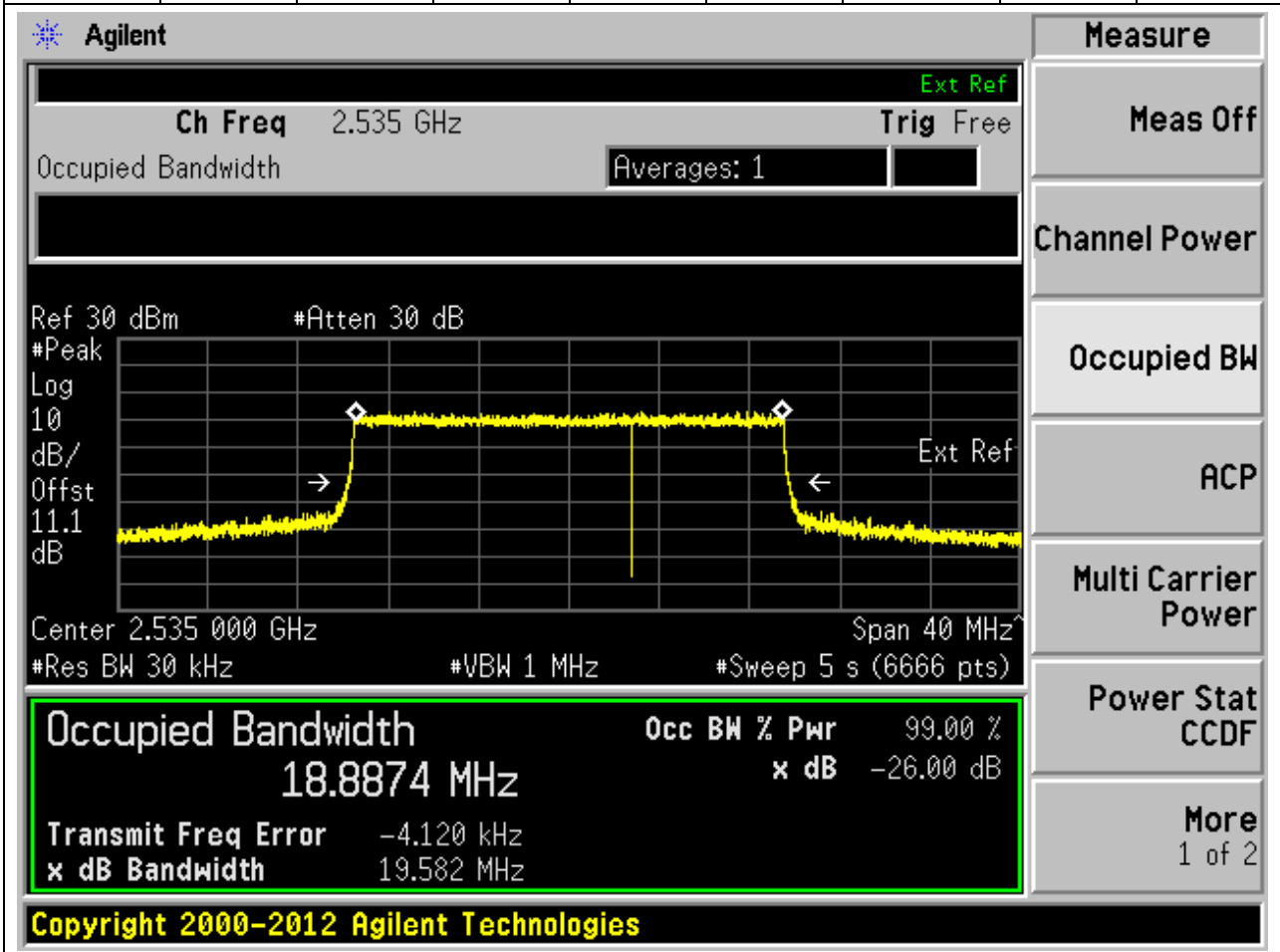
**2.43. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.03	Peak	18.89	19.49	20	Pass



**2.44. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, 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	0.03	Peak	18.89	19.58	20	Pass



**2.45. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:106, 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	0.03	Peak	18.89	19.59	20	Pass

**Agilent**
**Measure**

Ch Freq 2.56 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

Center 2.560 000 GHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

**18.8927 MHz**

Transmit Freq Error -1.051 kHz

x dB Bandwidth 19.590 MHz

**Occ BW % Pwr** 99.00 %

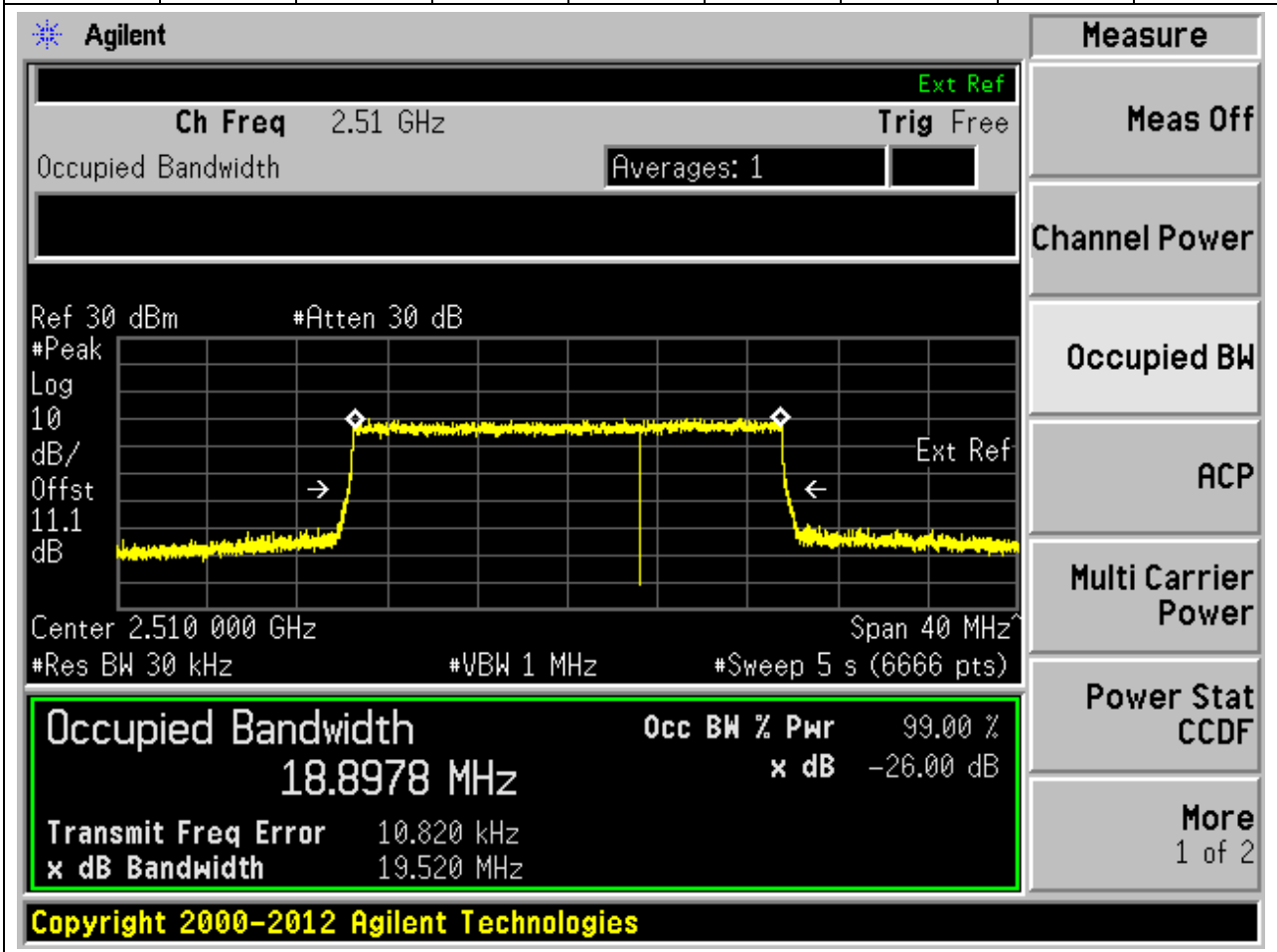
**x dB** -26.00 dB

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**2.46. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, 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	0.03	Peak	18.9	19.52	20	Pass



**2.47. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, 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	0.03	Peak	18.89	19.52	20	Pass

**Agilent**
**Measure**

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 1

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.1 dB

Center 2.535 000 GHz Span 40 MHz

#Res BW 30 kHz #VBW 1 MHz #Sweep 5 s (6666 pts)

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

**Occupied Bandwidth**

**18.8910 MHz**

Transmit Freq Error -2.133 kHz

x dB Bandwidth 19.519 MHz

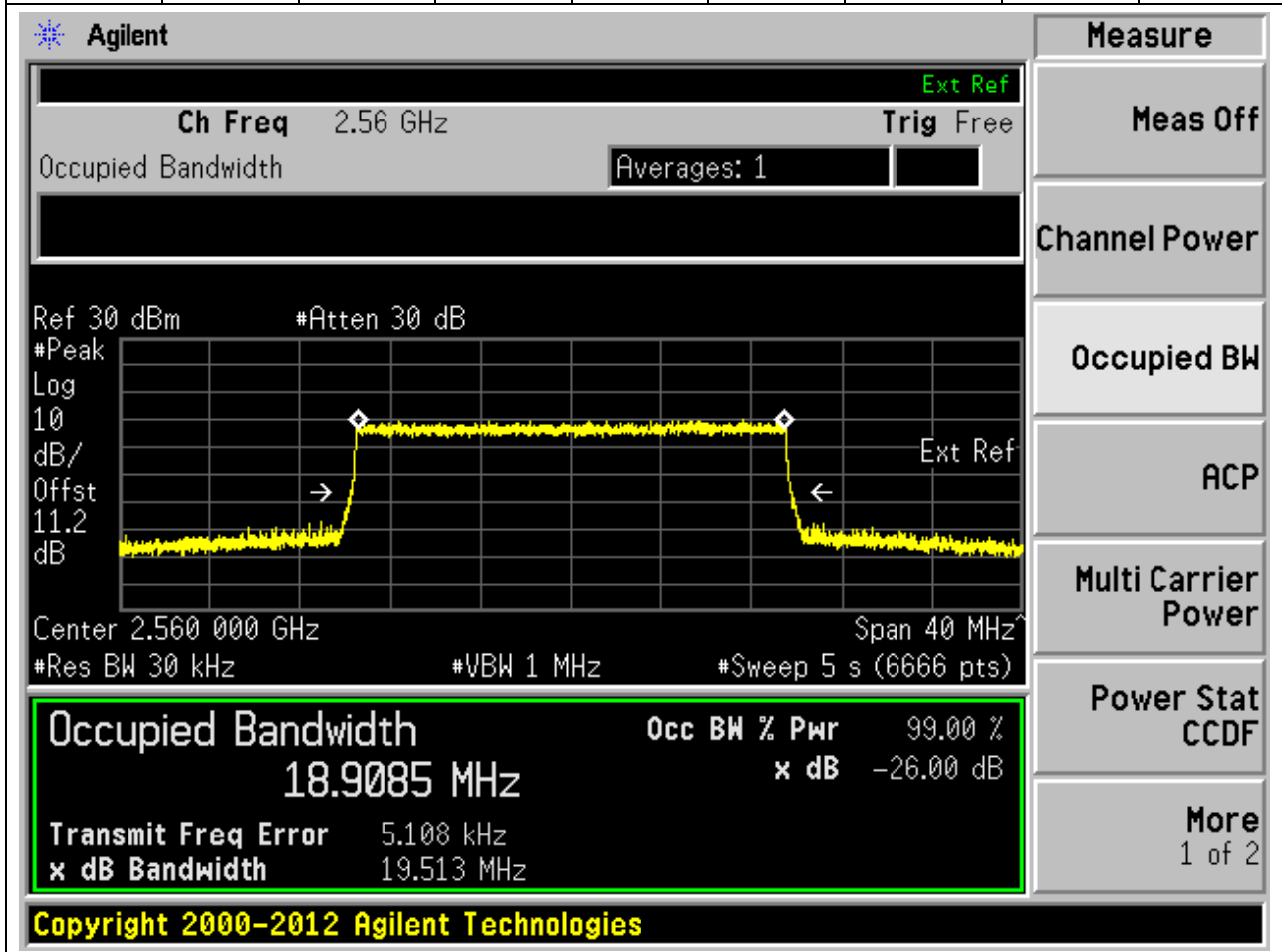
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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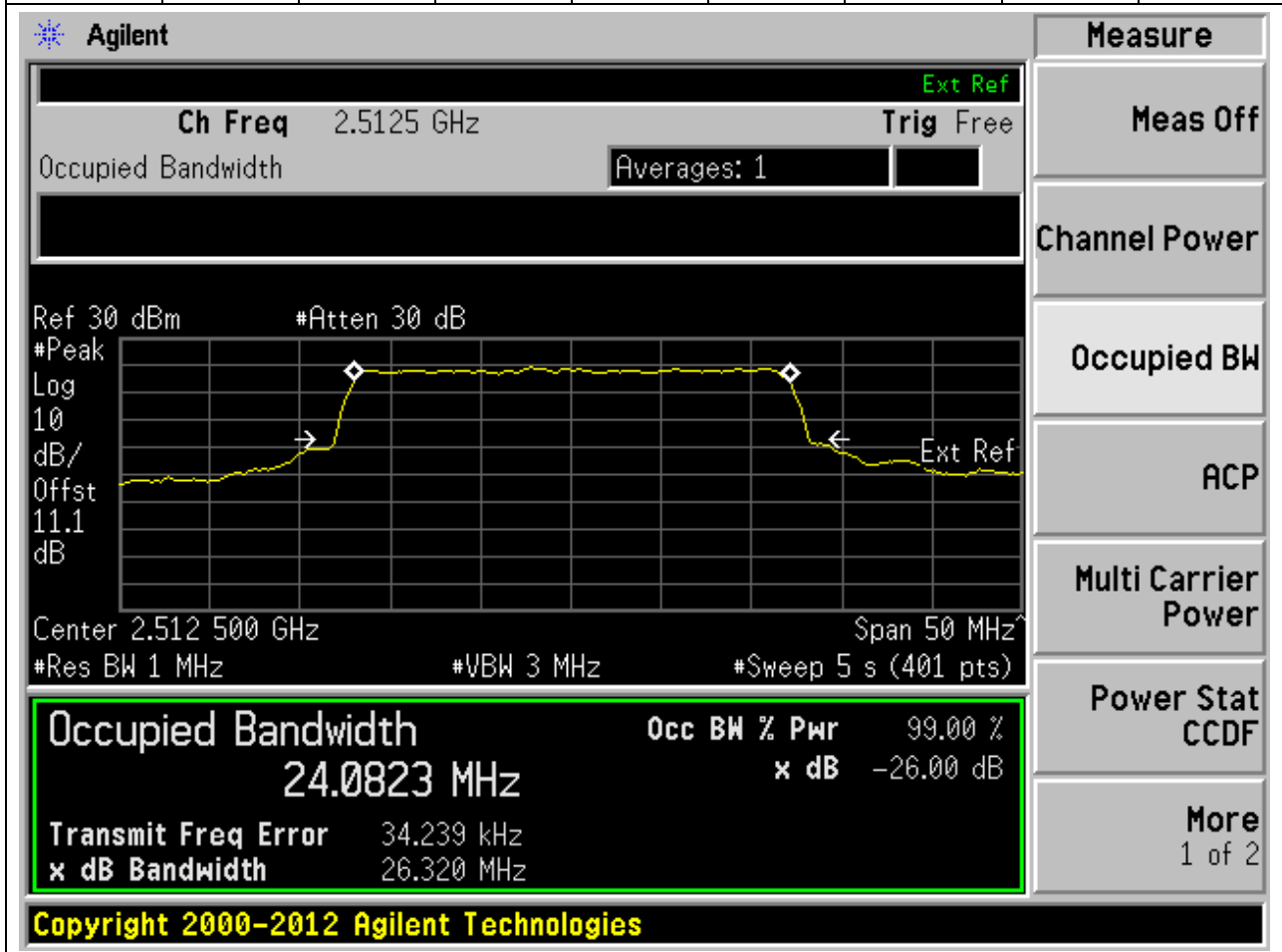
**2.48. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:512000, Bandwidth:20, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:106, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.03	Peak	18.91	19.51	20	Pass



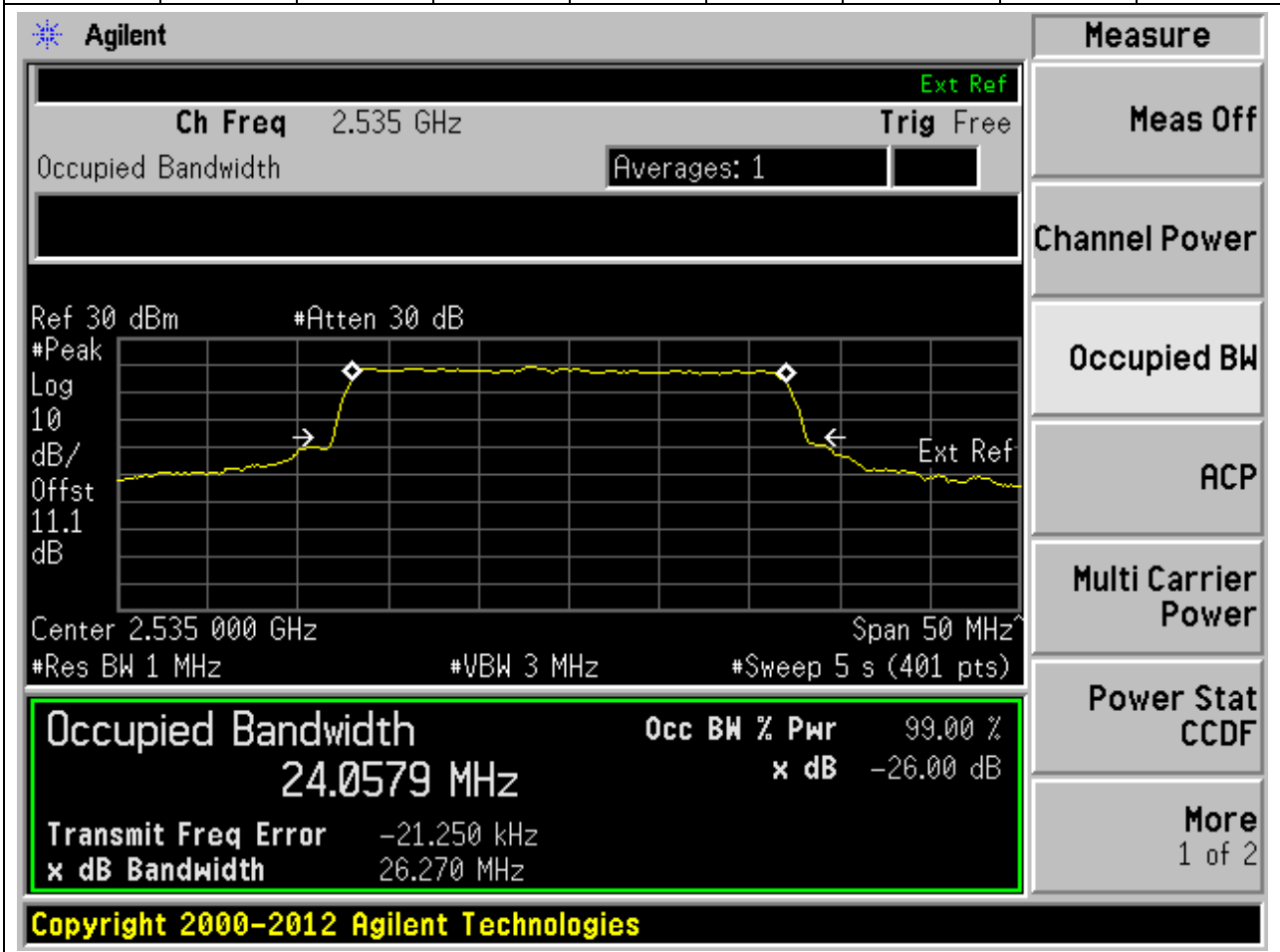
**2.49. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2512.5	99	26	1	Peak	24.08	26.32	25	Pass



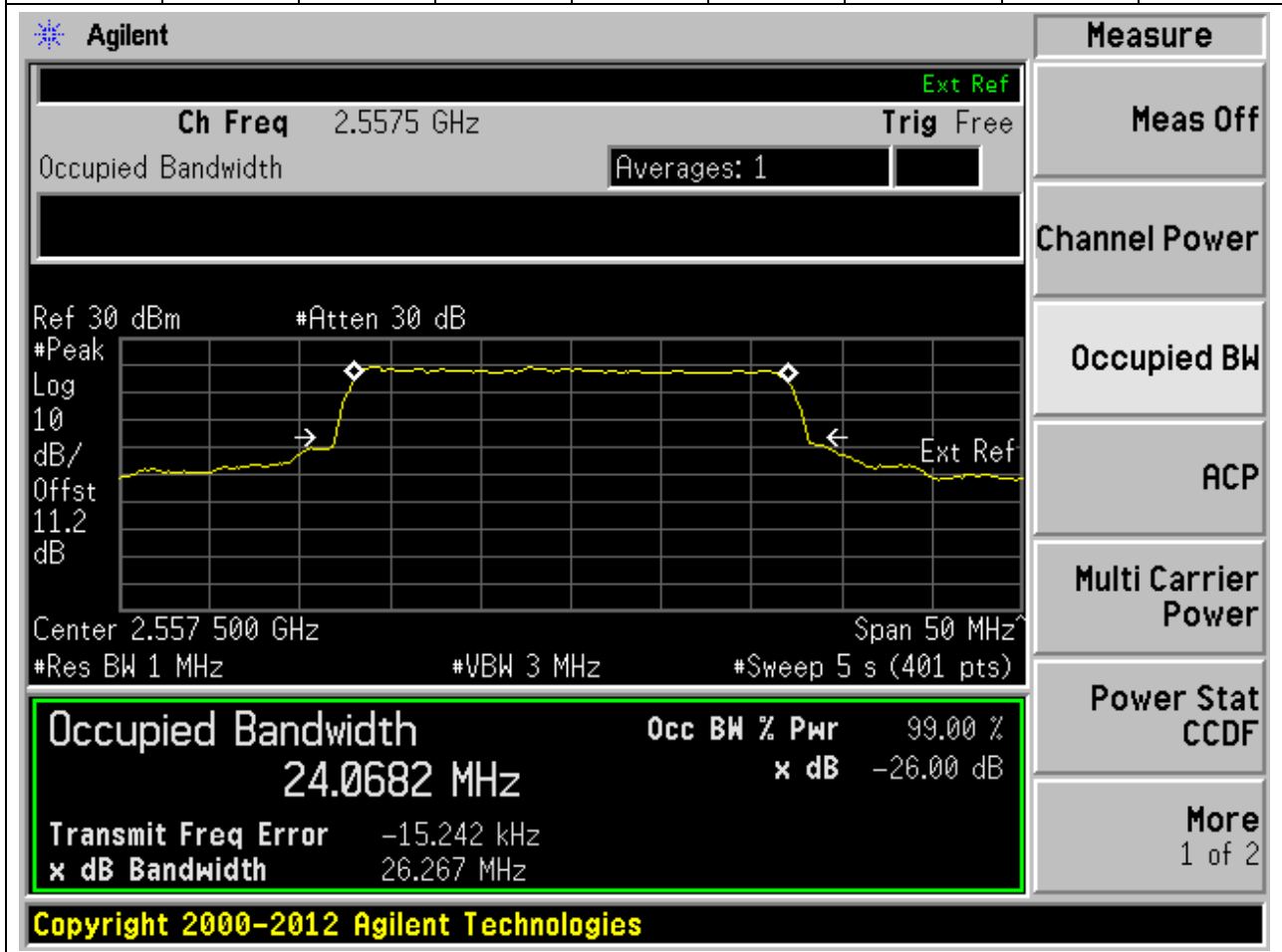
**2.50. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	1	Peak	24.06	26.27	25	Pass



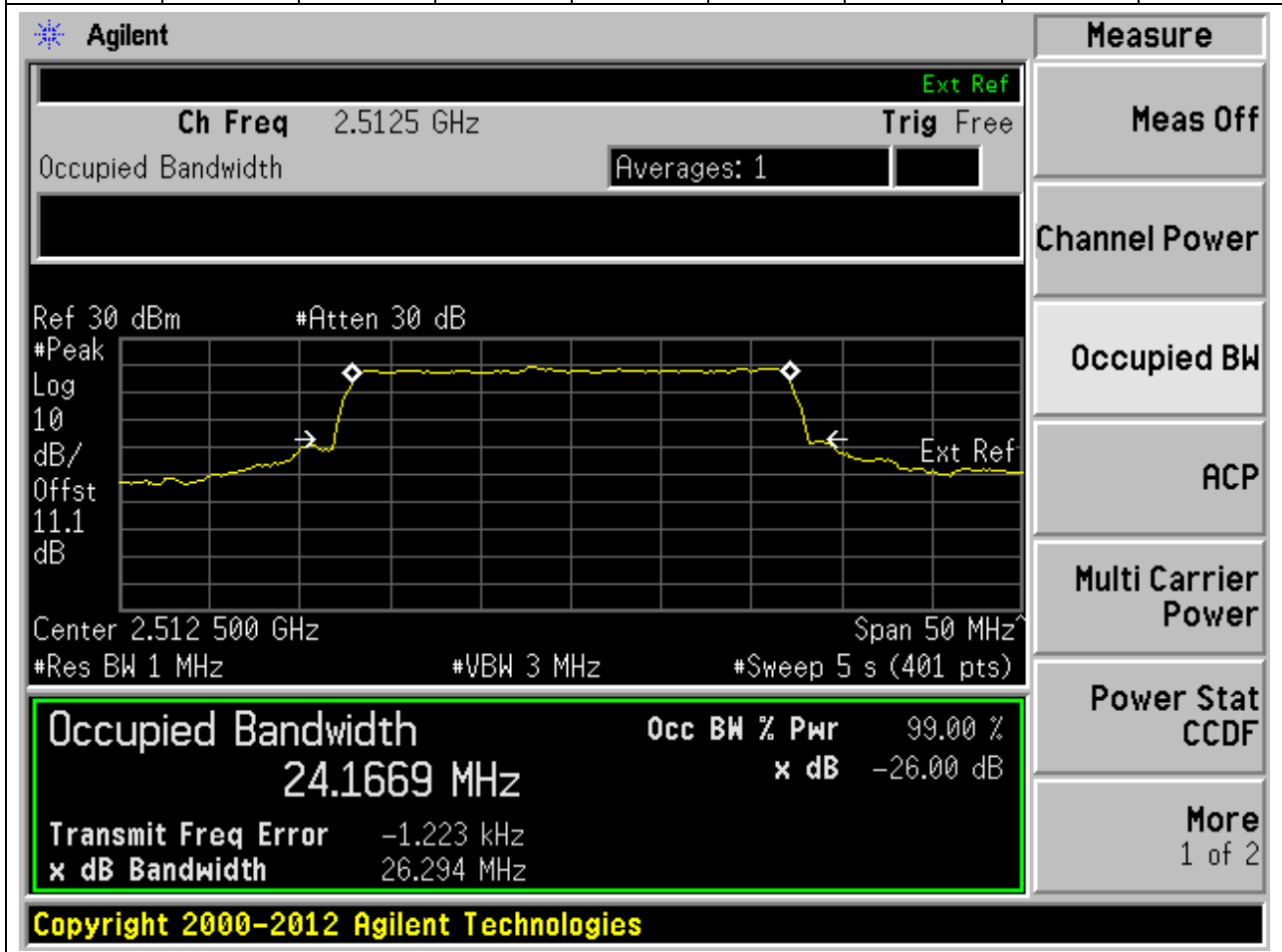
**2.51. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2557.5	99	26	1	Peak	24.07	26.27	25	Pass



**2.52. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2512.5	99	26	1	Peak	24.17	26.29	25	Pass



**2.53. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, 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	1	Peak	24.14	26.26	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.535 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is labeled with 'Ref 30 dBm' and '#Atten 30 dB'. The y-axis is labeled '#Peak Log 10 dB/Offst 11.1 dB'. The x-axis is labeled 'Center 2.535 000 GHz' and 'Span 50 MHz'. Below the plot, the following parameters are shown: '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 5 s (401 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 24.1434 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -50.116 kHz' and 'x dB Bandwidth 26.261 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 text 'Copyright 2000-2012 Agilent Technologies' is visible.



**2.54. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2557.5	99	26	1	Peak	24.19	26.32	25	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:

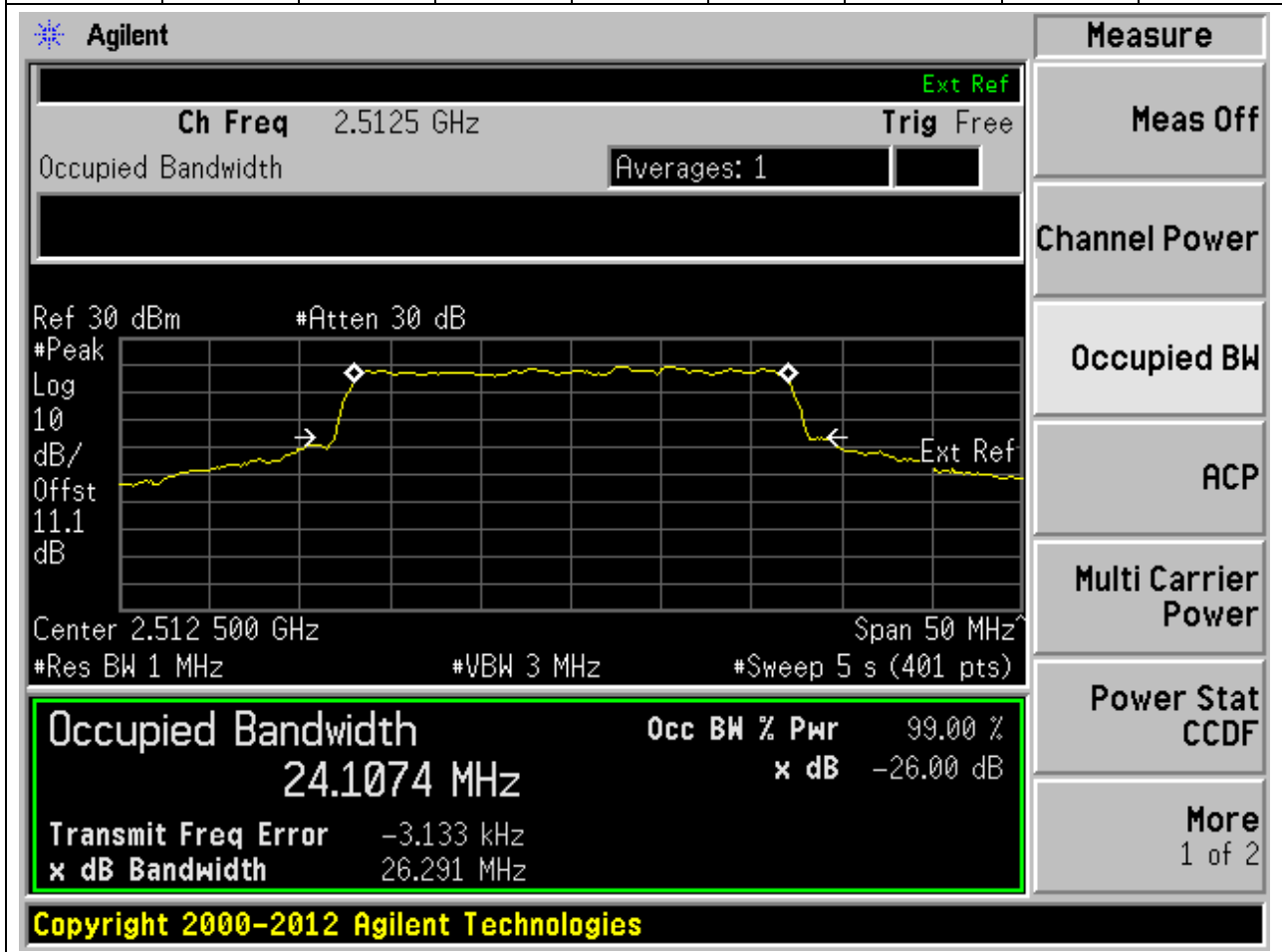
Measurement	Value
Occupied Bandwidth	24.1862 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-61.076 kHz
x dB Bandwidth	26.325 MHz

Additional parameters shown in the interface include: Ch Freq 2.5575 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 11.2 dB, Center 2.557500 GHz, Span 50 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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**2.55. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2512.5	99	26	1	Peak	24.11	26.29	25	Pass



**2.56. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, 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	1	Peak	24.1	26.43	25	Pass

**Agilent**
**Measure**

**Ch Freq** 2.535 GHz **Trig** Free

Occupied Bandwidth Averages: 1

Ext Ref

**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

Ref 30 dBm      #Atten 30 dB

Center 2.535 000 GHz      Span 50 MHz

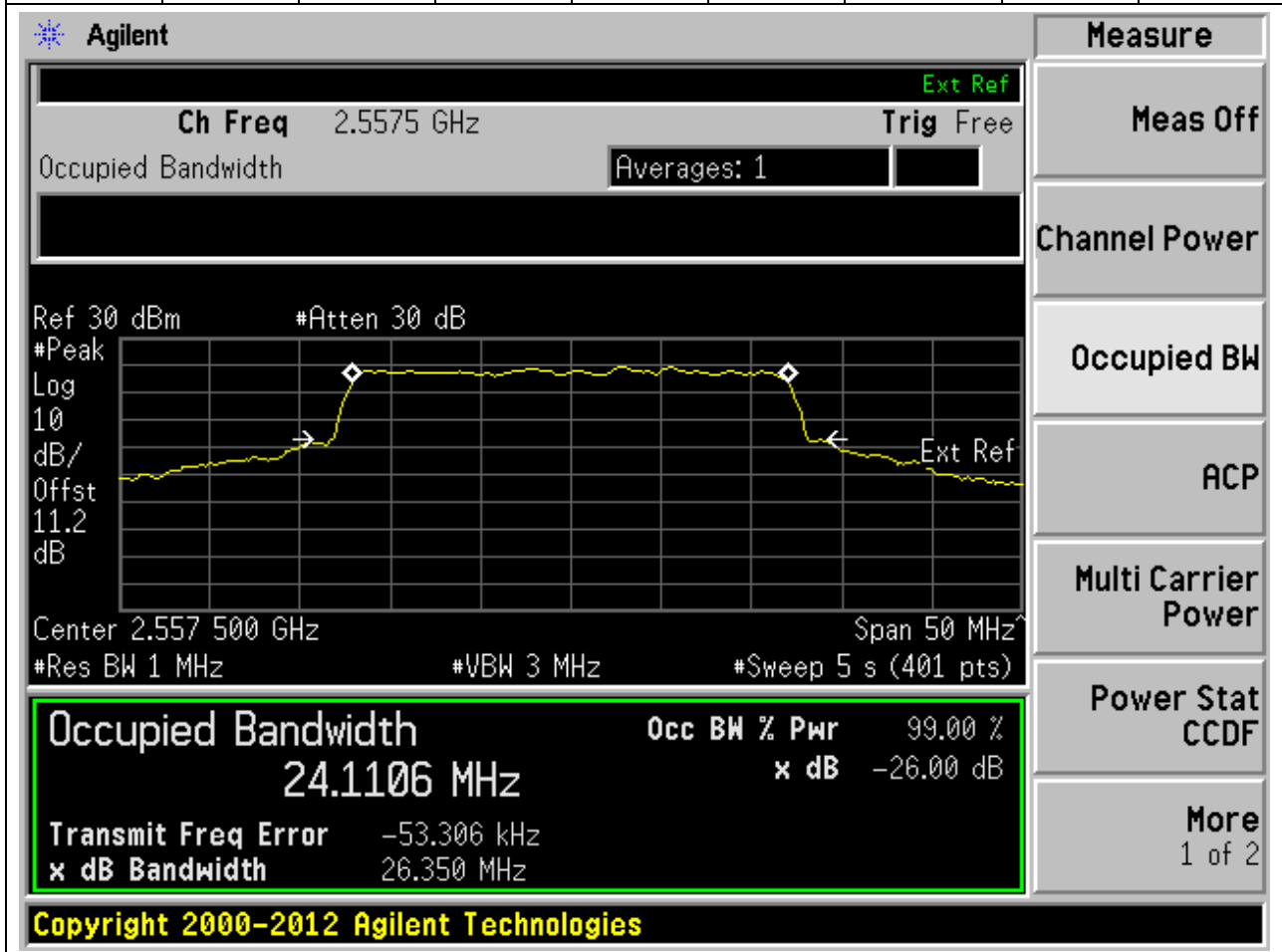
#Res BW 1 MHz      #VBW 3 MHz      #Sweep 5 s (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
24.0979 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -52.127 kHz	
<b>x dB Bandwidth</b> 26.431 MHz	

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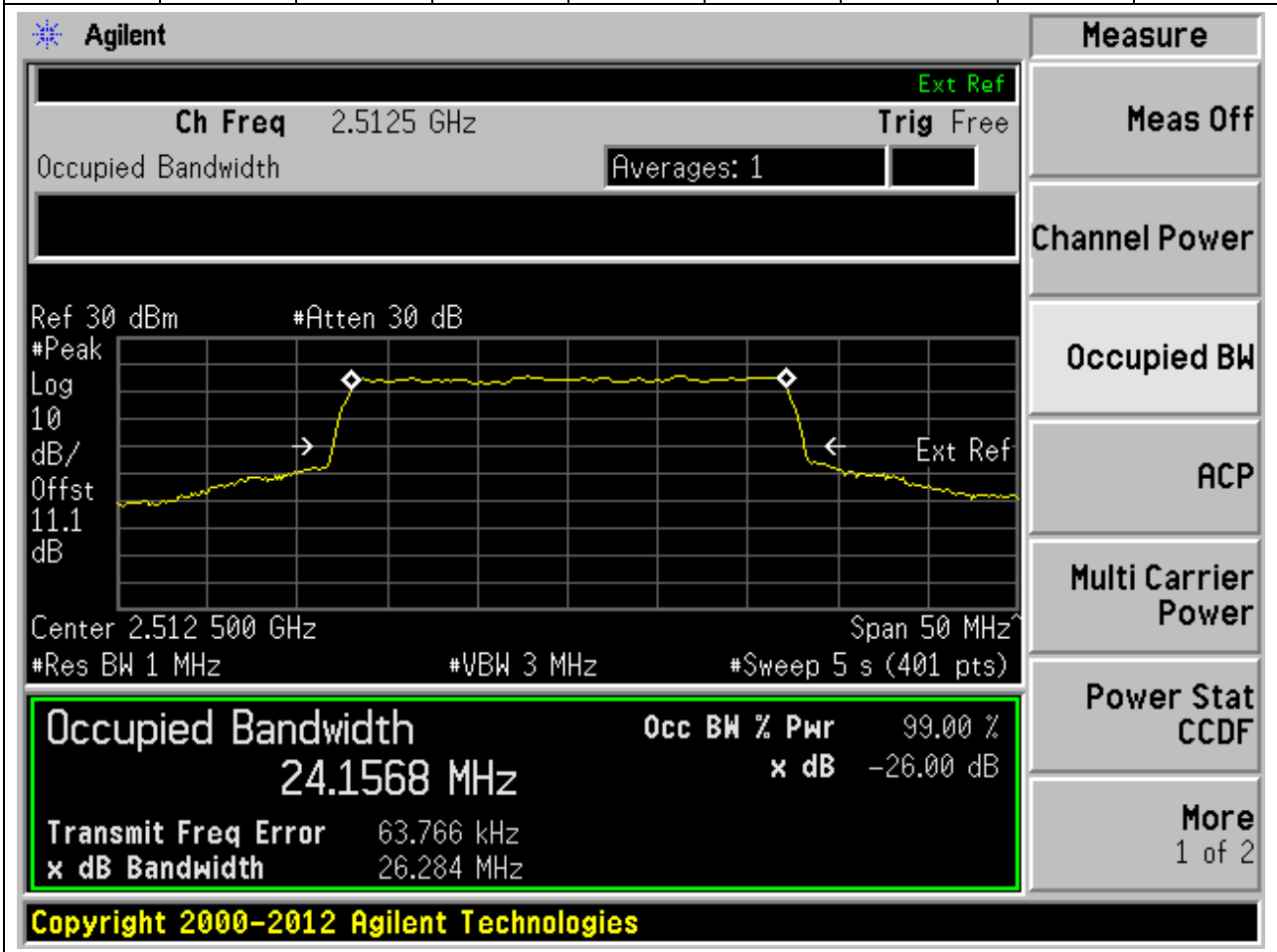
**2.57. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:64QAM, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2557.5	99	26	1	Peak	24.11	26.35	25	Pass



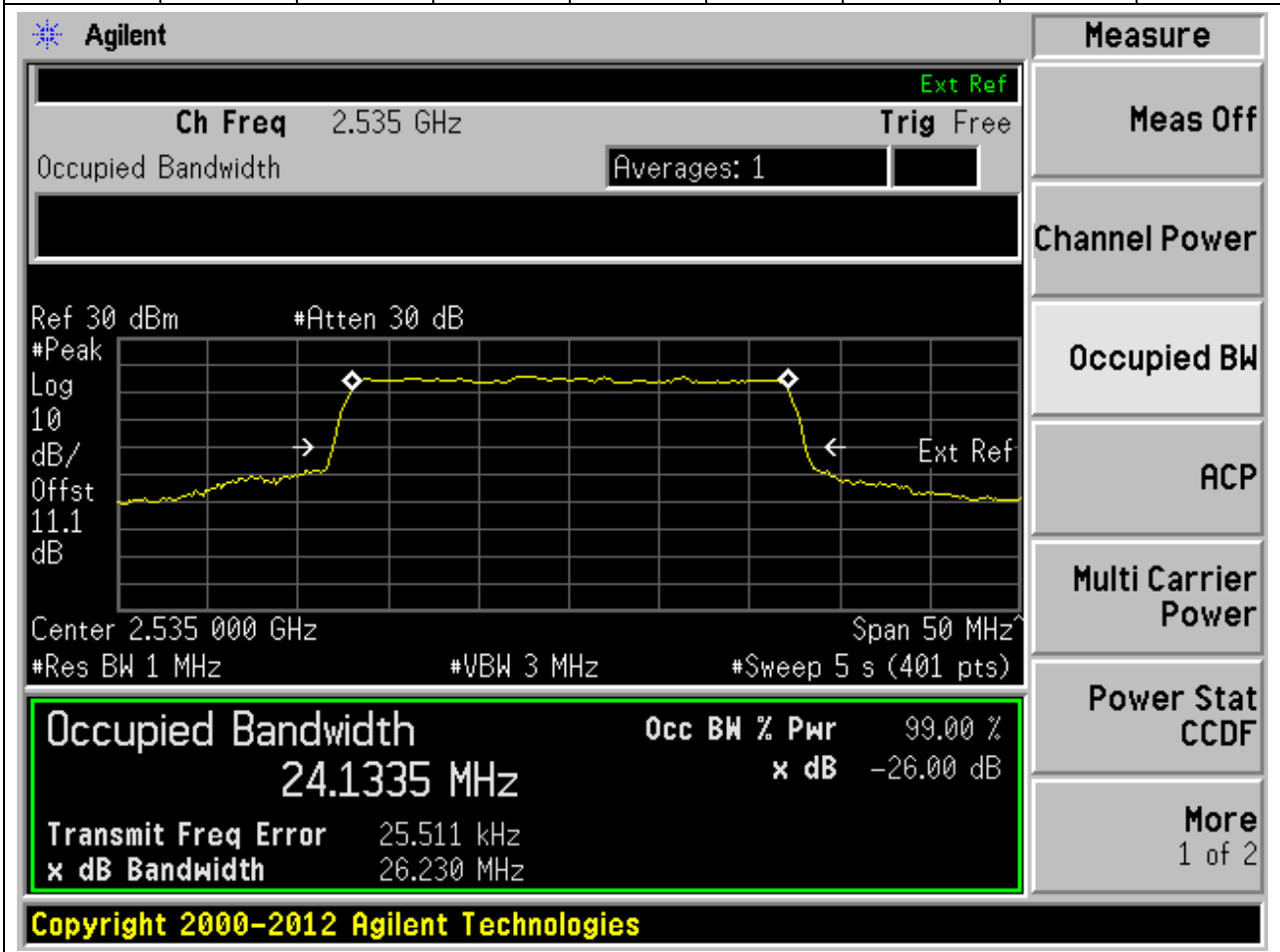
**2.58. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:502500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2512.5	99	26	1	Peak	24.16	26.28	25	Pass



**2.59. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:507000, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, 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	1	Peak	24.13	26.23	25	Pass



**2.60. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:511500, Bandwidth:25, SCS:15, OFDM:CP-OFDM, Modulation:256QAM, RB Number:133, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2557.5	99	26	1	Peak	24.17	26.28	25	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5575 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', '#Peak Log 10 dB/Offst 11.2 dB', 'Center 2.557 500 GHz', 'Span 50 MHz', '#Res BW 1 MHz', '#VBW 3 MHz', and '#Sweep 5 s (401 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 24.1699 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 24.268 kHz', and 'x dB Bandwidth 26.281 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'.

**2.61. Occupied Bandwidth for SA\_Part22-24-27(NTNV)(Channel:503000, Bandwidth:30, SCS:15, OFDM:CP-OFDM, Modulation:QPSK, RB Number:160, RB Position:0)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2515	99	26	1	Peak	28.84	31.12	30	Pass

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

Measurement	Value
Occupied Bandwidth	28.8437 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	1.836 kHz
x dB Bandwidth	31.118 MHz

Other visible parameters include: Ch Freq 2.515 GHz, Trig Free, Averages: 1, Ref 30 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 11.1 dB, Center 2.515 00 GHz, Span 60 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 5 s (401 pts).

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