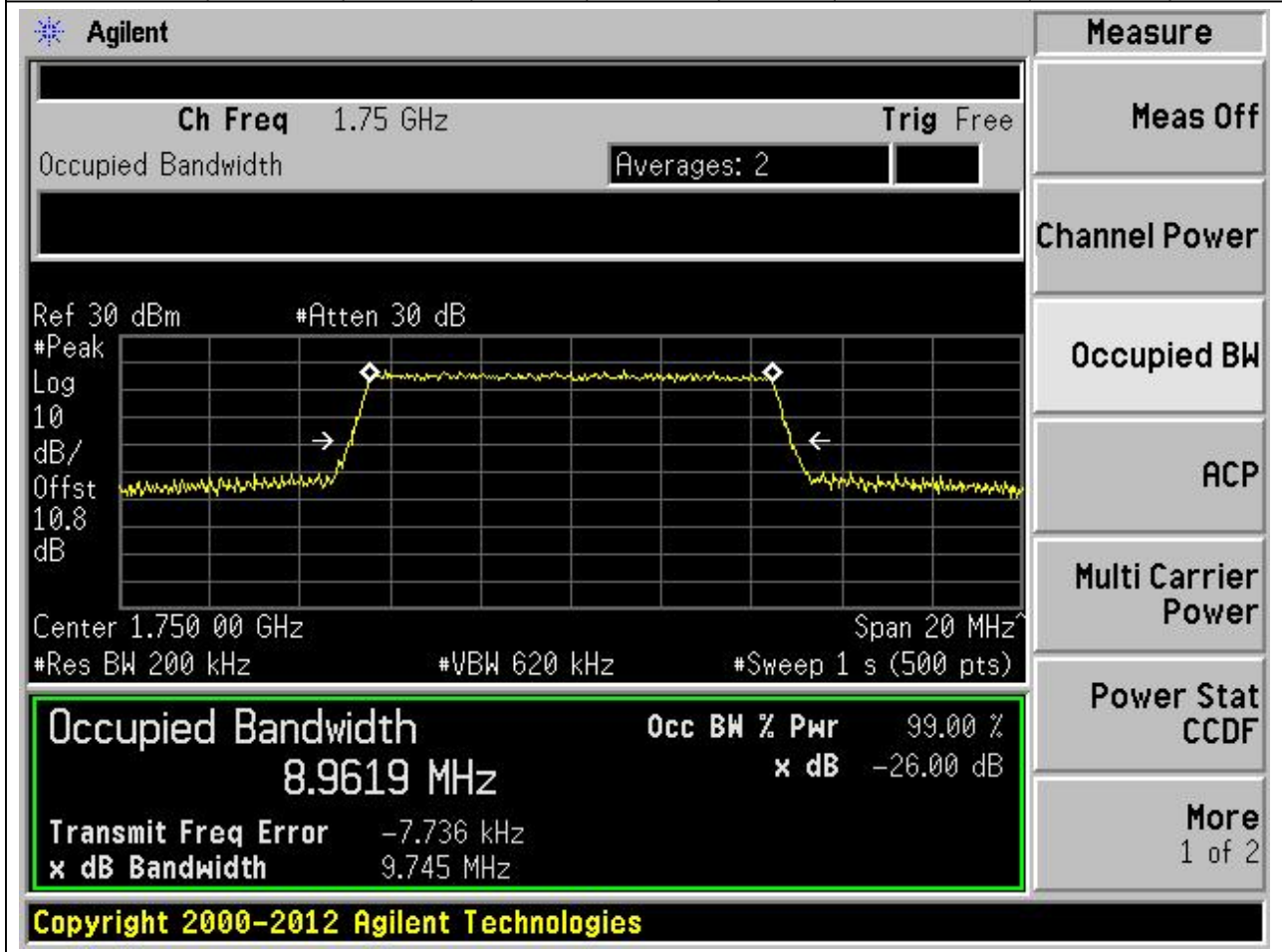


**9.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.962	9.745	10	Pass



**9.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:20350, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.978	9.825	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 measurement results are as follows:

Measurement	Value
Occupied Bandwidth	8.9781 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-17.038 kHz
x dB Bandwidth	9.825 MHz

Other visible parameters include: Ch Freq 1.75 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, Center 1.750 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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**9.25. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:25, Channel:20025, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.433	14.662	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 1.7175 GHz. The occupied bandwidth is highlighted with a green box, showing 13.4325 MHz. The power is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 12.251 kHz and the XdB bandwidth is 14.662 MHz. The interface includes various measurement buttons on the right and a copyright notice at the bottom.

Occupied Bandwidth		Occ BW % Pwr	99.00 %
13.4325 MHz		x dB	-26.00 dB
Transmit Freq Error	12.251 kHz		
x dB Bandwidth	14.662 MHz		

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**9.26. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:26, Channel:20025, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.454	14.665	15	Pass

Agilent
Measure

Ch Freq 1.7175 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.717 50 GHz
Span 30 MHz

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

**Occupied Bandwidth**

**13.4540 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -3.703 kHz

x dB Bandwidth 14.665 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**9.27. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:27, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.43	14.645	15	Pass

Agilent
Measure

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.732 50 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.4301 MHz
x dB -26.00 dB

Transmit Freq Error -1.697 kHz

x dB Bandwidth 14.645 MHz

Power Stat CCDF

More 1 of 2

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**9.28. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:28, Channel:20175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.451	14.674	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7325 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 10.8 dB', 'Center 1.732 50 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 13.4507 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -4.773 kHz', and 'x dB Bandwidth 14.674 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'.



**9.29. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:29, Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.446	14.811	15	Pass

Agilent
Measure

Ch Freq 1.7475 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.747 50 GHz Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4465 MHz	x dB -26.00 dB
Transmit Freq Error -6.343 kHz	
x dB Bandwidth 14.811 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**9.30. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:30, Channel:20325, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.472	14.673	15	Pass

Agilent
Measure

Ch Freq 1.7475 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.747 50 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.4723 MHz
x dB -26.00 dB

Transmit Freq Error -2.483 kHz

x dB Bandwidth 14.673 MHz

Power Stat CCDF

More

1 of 2

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**9.31. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:31, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.9	19.285	20	Pass

Agilent
Measure

Ch Freq 1.72 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
17.8996 MHz	x dB -26.00 dB
Transmit Freq Error 20.789 kHz	
x dB Bandwidth 19.285 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**9.32. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:32, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.897	19.38	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 measurement results are as follows:

Measurement	Value
Occupied Bandwidth	17.8966 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	27.186 kHz
x dB Bandwidth	19.380 MHz

Other visible parameters include: Ch Freq 1.72 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 10.7 dB, Center 1.720 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 1 s (512 pts).

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**9.33. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:33, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.943	19.43	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 measurement results are as follows:

Measurement	Value
Occupied Bandwidth	17.9430 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-23.836 kHz
x dB Bandwidth	19.430 MHz

Other parameters shown in the interface include: Ch Freq 1.7325 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 10.8 dB, Center 1.732 50 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 5 s (512 pts).

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**9.34. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:34, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.961	19.457	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 measurement results are as follows:

Measurement	Value
Occupied Bandwidth	17.9609 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	11.102 kHz
x dB Bandwidth	19.457 MHz

Other parameters shown in the interface include: Ch Freq 1.7325 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 10.8 dB, Center 1.732 50 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 5 s (512 pts).

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**9.35. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:35, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.915	19.563	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.745 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '10.8 dB'. The plot shows a signal with a peak at 17.9155 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9155 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error -14.598 kHz' and 'x dB Bandwidth 19.563 MHz'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

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

**9.36. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:36, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

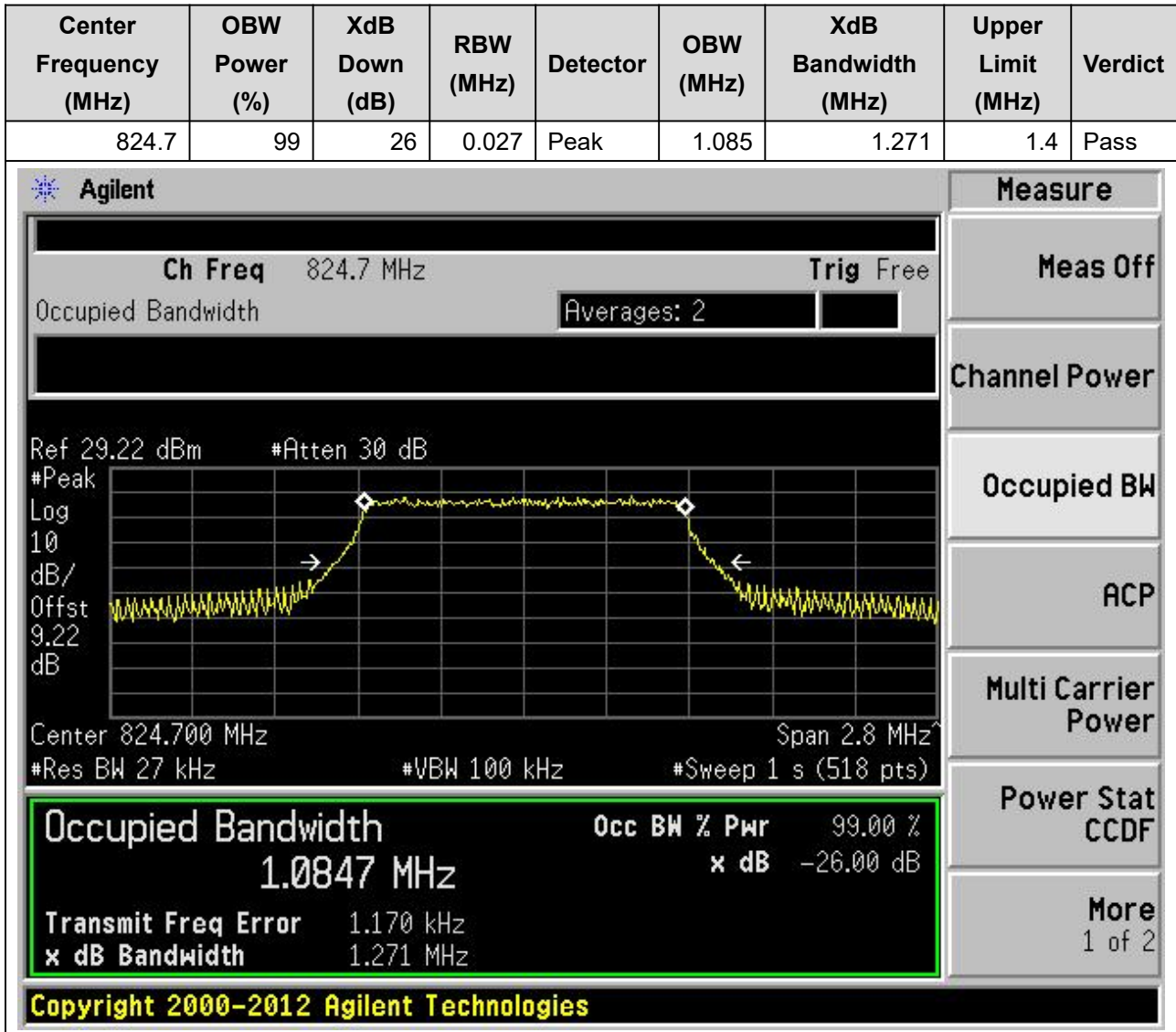
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.903	19.324	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.745 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.8 dB', 'Center 1.745 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 1 s (512 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 17.9029 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 9.335 kHz' and 'x dB Bandwidth 19.324 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 'Copyright 2000-2012 Agilent Technologies'.



## 10. LTE\_Band5

### 10.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:20407, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



**10.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:20407, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.091	1.288	1.4	Pass

Agilent
Measure

Ch Freq 824.7 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.22 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.22

dB

Center 824.700 MHz
Span 2.8 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

1.0906 MHz
x dB -26.00 dB

Transmit Freq Error -1.880 kHz

x dB Bandwidth 1.288 MHz

Power Stat CCDF

More

1 of 2

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**10.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:20525, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.086	1.292	1.4	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.24 dB

Center 836.500 MHz Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.0858 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -1.058 kHz	
<b>x dB Bandwidth</b> 1.292 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**10.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:20525, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.085	1.269	1.4	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.24 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.24

dB

Center 836.500 MHz
Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.0849 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-86.844 Hz
<b>x dB Bandwidth</b>	1.269 MHz

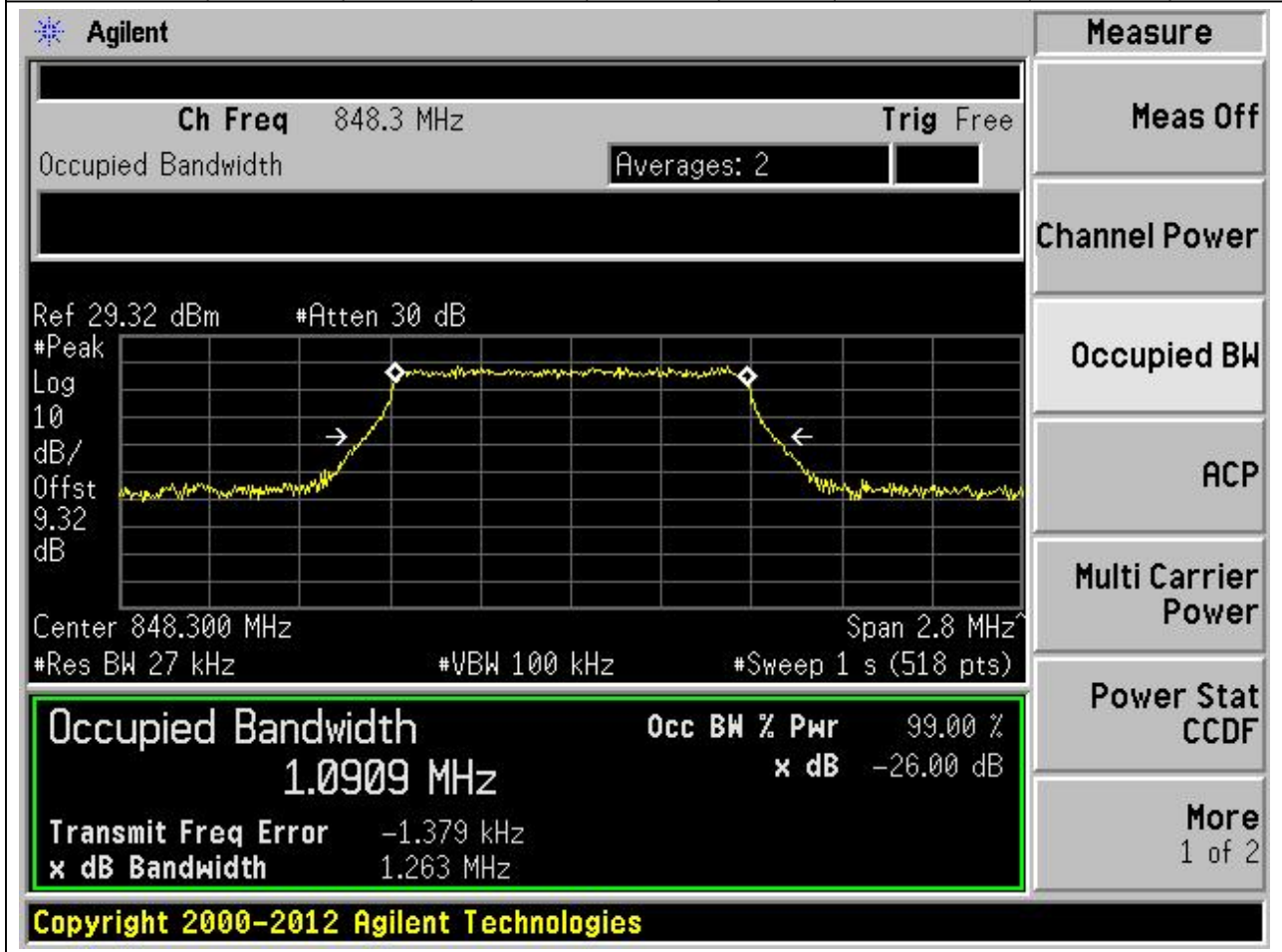
Power Stat
CCDF

More
1 of 2

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**10.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:20643, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.091	1.263	1.4	Pass



**10.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:20643, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.093	1.28	1.4	Pass

Agilent

Measure

Ch Freq 848.3 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.32 dBm
#Atten 30 dB

#Peak

Log

10

dB/

Offst

9.32

dB

Center 848.300 MHz
Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.0927 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 1.321 kHz	
<b>x dB Bandwidth</b> 1.280 MHz	

Power Stat
CCDF

More
1 of 2

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**10.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:20415, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.699	2.959	3	Pass

Agilent
Measure

Ch Freq 825.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.22 dBm #Atten 30 dB

Center 825.500 MHz Span 6 MHz  
 #Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6995 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-2.135 kHz
<b>x dB Bandwidth</b>	2.959 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**10.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:20415, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.691	2.926	3	Pass

Agilent

Measure

Ch Freq 825.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.22 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.22

dB

Center 825.500 MHz    Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6909 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-1.196 kHz
<b>x dB Bandwidth</b>	2.926 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**10.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:20525, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.703	2.938	3	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.24 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.24

dB

Center 836.500 MHz
Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.7028 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>	627.947 Hz	
<b>x dB Bandwidth</b>	2.938 MHz	

Power Stat
CCDF

More
1 of 2

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**10.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:20525, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.696	2.951	3	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.24 dBm #Atten 30 dB

Center 836.500 MHz Span 6 MHz  
 #Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

**Occupied Bandwidth**

**2.6960 MHz**

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 413.719 Hz

x dB Bandwidth 2.951 MHz

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

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**10.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:20635, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.701	2.957	3	Pass

Agilent
Measure

Ch Freq 847.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.31 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.31

dB

Center 847.500 MHz
Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.7013 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-2.257 kHz
<b>x dB Bandwidth</b>	2.957 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**10.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:20635, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.693	2.95	3	Pass

Agilent

Measure

Ch Freq 847.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.31 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.31

dB

Center 847.500 MHz
Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
2.6928 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		-1.943 kHz
<b>x dB Bandwidth</b>		2.950 MHz

Power Stat
CCDF

More
1 of 2

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**10.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:20425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.499	4.977	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 826.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.23 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.23 dB', 'Center 826.500 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4995 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -3.081 kHz', and 'x dB Bandwidth 4.977 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'.

**10.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:20425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.485	4.879	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.23 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.23

dB

Center 826.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4854 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-5.847 kHz
<b>x dB Bandwidth</b>	4.879 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**10.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:20525, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.494	4.942	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

Center 836.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**Occupied Bandwidth**

**4.4935 MHz**

Transmit Freq Error -759.523 Hz

x dB Bandwidth 4.942 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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**10.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:20525, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.501	4.976	5	Pass

**Agilent**
**Measure**

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst 9.24 dB

Center 836.500 MHz    Span 10 MHz

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

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

4.5010 MHz

x dB -26.00 dB

Transmit Freq Error -1.122 kHz

x dB Bandwidth 4.976 MHz

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**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2

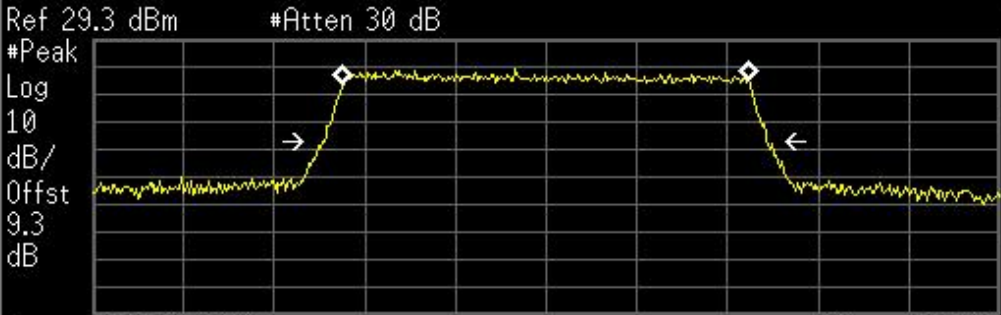
**10.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:20625, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.491	4.917	5	Pass

Agilent
Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth Averages: 2



Ref 29.3 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.3 dB

Center 846.500 MHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4905 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-3.939 kHz
<b>x dB Bandwidth</b>	4.917 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**10.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:20625, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.501	4.966	5	Pass

Agilent
Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.3 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.3

dB

Center 846.500 MHz
Span 10 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

4.5009 MHz
x dB -26.00 dB

Transmit Freq Error -1.402 kHz

x dB Bandwidth 4.966 MHz

Power Stat CCDF

More
1 of 2

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**10.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.968	9.781	10	Pass

Agilent
Measure

Ch Freq 829 MHz
Trig Free

Occupied Bandwidth Averages: 2

Center 829.00 MHz Span 20 MHz  
 #Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9677 MHz** x dB -26.00 dB

Transmit Freq Error -9.073 kHz

x dB Bandwidth 9.781 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

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**10.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.971	9.722	10	Pass

Agilent
Measure

Ch Freq 829 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz  
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

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

**8.9710 MHz** x dB -26.00 dB

Transmit Freq Error -14.530 kHz

x dB Bandwidth 9.722 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**10.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.959	9.831	10	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.24 dB

Center 836.50 MHz Span 20 MHz

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

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

**8.9591 MHz** x dB -26.00 dB

Transmit Freq Error -6.192 kHz

x dB Bandwidth 9.831 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**10.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.961	9.773	10	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.24 dB

Center 836.50 MHz Span 20 MHz

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

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

**8.9610 MHz** x dB -26.00 dB

Transmit Freq Error 3.774 kHz

x dB Bandwidth 9.773 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**10.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.964	9.724	10	Pass

Agilent

Measure

Ch Freq 844 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.28 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.28

dB

Center 844.00 MHz
Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
8.9636 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-19.681 kHz
<b>x dB Bandwidth</b>	9.724 MHz

Power Stat
CCDF

More
1 of 2

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**10.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.957	9.774	10	Pass

Agilent
Measure

Ch Freq 844 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.28 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.28

dB

Center 844.00 MHz
Span 20 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

8.9565 MHz
x dB -26.00 dB

Transmit Freq Error -14.956 kHz

x dB Bandwidth 9.774 MHz

Power Stat CCDF

More

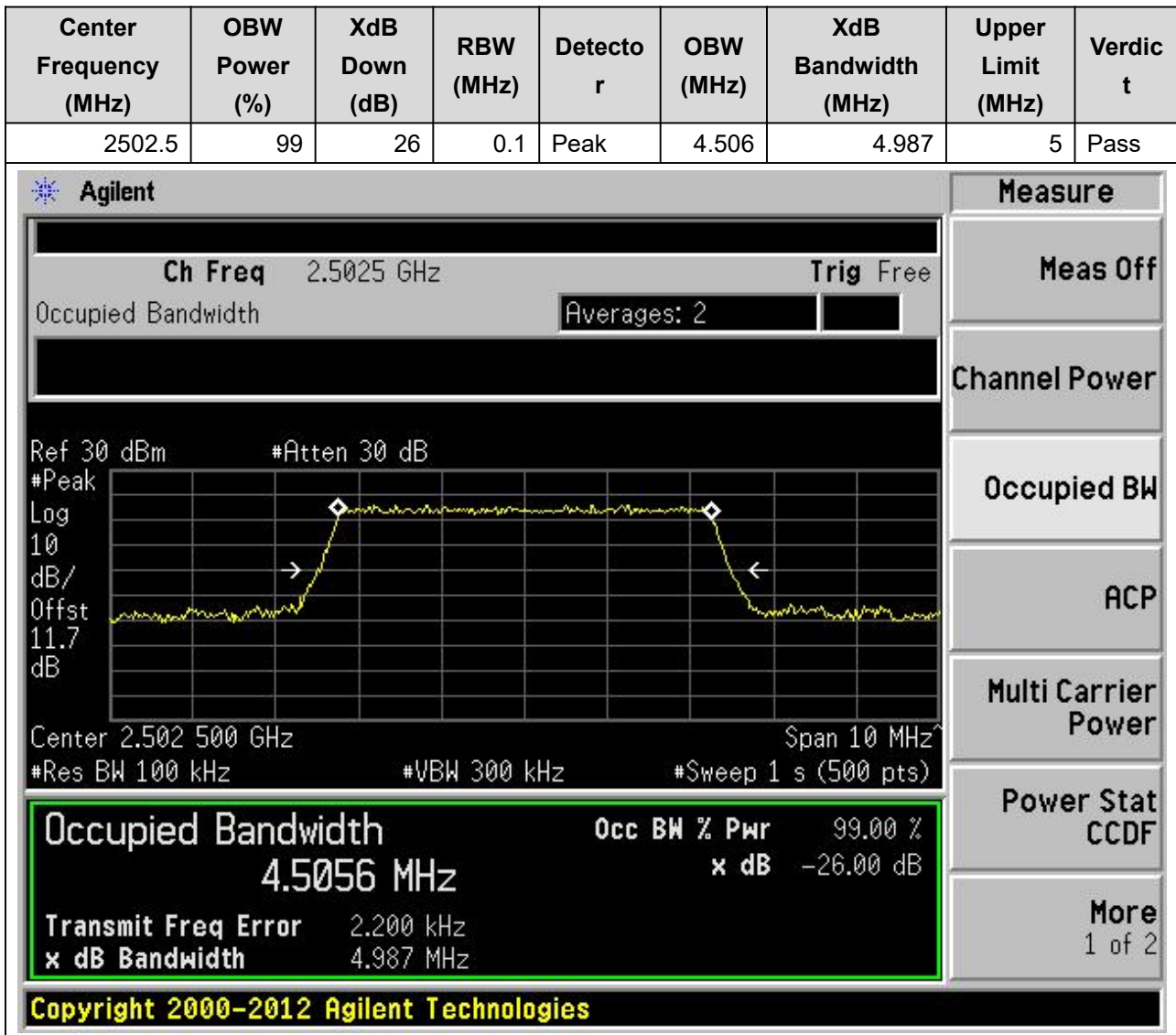
1 of 2

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## 11. LTE\_Band7

### 11.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



**11.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.489	4.904	5	Pass

Agilent
Measure

Ch Freq 2.5025 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.502 500 GHz Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4889 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 513.827 Hz	
<b>x dB Bandwidth</b> 4.904 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**11.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.492	4.947	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 highlighted with a green box, showing a value of 4.4919 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -159.829 Hz. The XdB bandwidth is 4.947 MHz. The interface also shows various measurement settings like Res BW (100 kHz), VBW (300 kHz), and Sweep (1 s).

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4919 MHz	99.00 %	-26.00 dB

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**11.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.5	4.975	5	Pass

Agilent
Measure

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

dB

Center 2.535 000 GHz
Span 10 MHz

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

**Occupied Bandwidth**

**4.5004 MHz**

**Occ BW % Pwr** 99.00 %

**x dB** -26.00 dB

**Transmit Freq Error** 1.037 kHz

**x dB Bandwidth** 4.975 MHz

Power Stat
CCDF

More
1 of 2

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**11.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.493	4.942	5	Pass

Agilent
Measure

Ch Freq 2.5675 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.1

dB

Center 2.567 500 GHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4932 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-693.465 Hz
<b>x dB Bandwidth</b>	4.942 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**11.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.5	4.987	5	Pass

Agilent
Measure

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 2.567 500 GHz Span 10 MHz

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

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

**4.5000 MHz** x dB -26.00 dB

Transmit Freq Error 6.159 kHz

x dB Bandwidth 4.987 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2



**11.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.977	9.797	10	Pass

Agilent
Measure

Ch Freq 2.505 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.505 00 GHz Span 20 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
<b>8.9768 MHz</b>	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>	7.370 kHz	
<b>x dB Bandwidth</b>	9.797 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**11.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.959	9.742	10	Pass

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

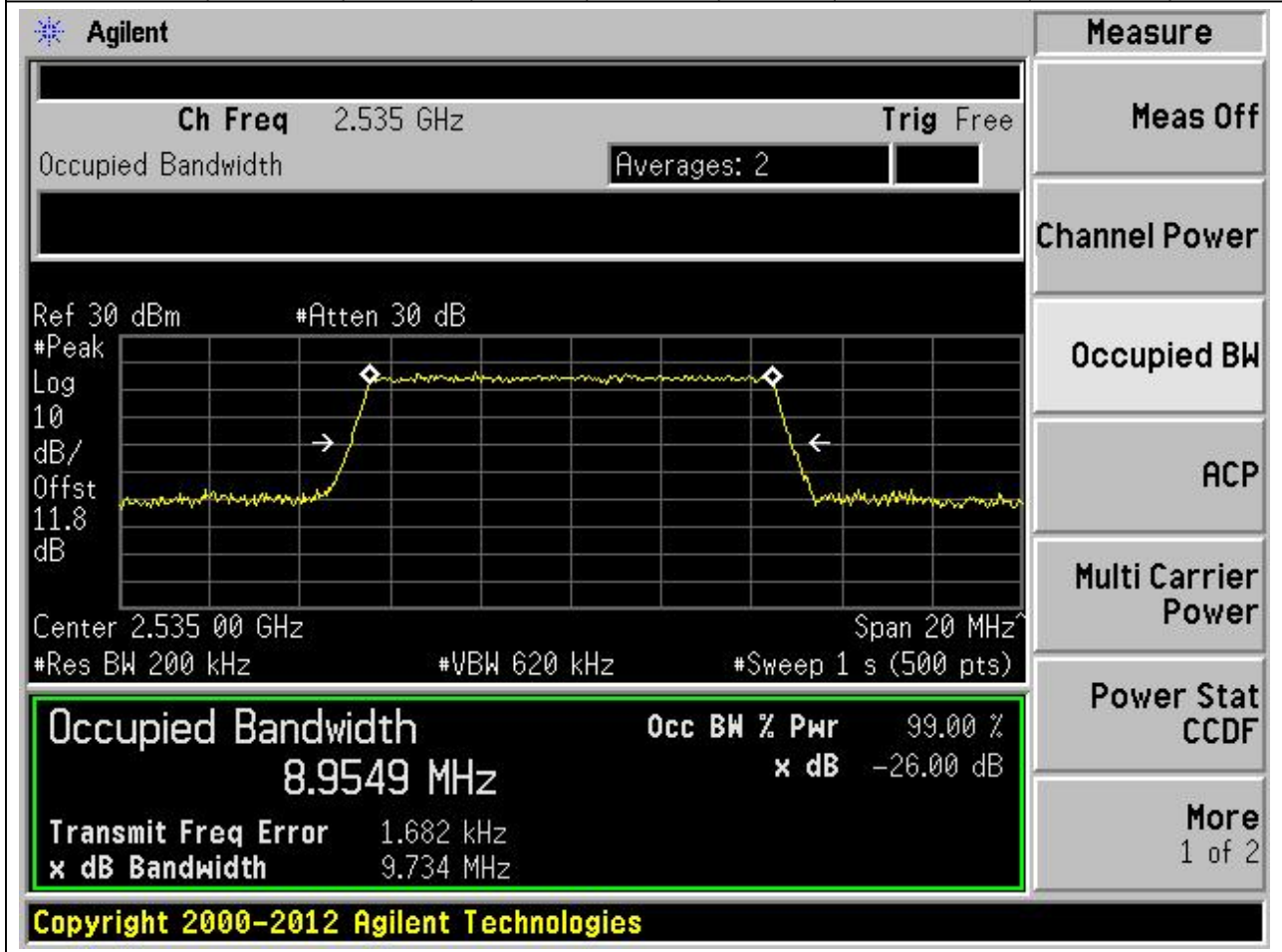
Measurement	Value
Occupied Bandwidth	8.9587 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	11.516 kHz
x dB Bandwidth	9.742 MHz

Additional parameters shown in the interface include: Ch Freq 2.505 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst 11.7 dB, Center 2.505 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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**11.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.955	9.734	10	Pass



**11.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.966	9.772	10	Pass

Agilent
Measure

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

dB

Center 2.535 00 GHz
Span 20 MHz

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

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

**8.9658 MHz**
**99.00 %**

**Transmit Freq Error**
**x dB**

**-6.731 kHz**
**-26.00 dB**

**x dB Bandwidth**
**9.772 MHz**

Power Stat
CCDF

More
1 of 2

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**11.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.969	9.761	10	Pass

Agilent
Measure

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.1 dB

Center 2.565 00 GHz Span 20 MHz

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

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

**8.9687 MHz** x dB -26.00 dB

Transmit Freq Error -8.354 kHz

x dB Bandwidth 9.761 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**11.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.968	9.83	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.565 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 12.1 dB, and a span of 20 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 8.9681 MHz. The percentage of power within this bandwidth is 99.00%, and the XdB down value is -26.00 dB. Other parameters shown include a transmit frequency error of -10.980 kHz and a total XdB bandwidth of 9.830 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9681 MHz	99.00 %	-26.00 dB

Transmit Freq Error: -10.980 kHz  
x dB Bandwidth: 9.830 MHz

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**11.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.45	14.622	15	Pass

Agilent
Measure

Ch Freq 2.5075 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.7

dB

Center 2.507 50 GHz
Span 30 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
13.4498 MHz	x dB -26.00 dB
Transmit Freq Error 16.943 kHz	
x dB Bandwidth 14.622 MHz	

Power Stat CCDF
More

1 of 2

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**11.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.461	14.706	15	Pass

Agilent
Measure

Ch Freq 2.5075 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.7

dB

Center 2.507 50 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.4608 MHz
x dB -26.00 dB

Transmit Freq Error 13.964 kHz

x dB Bandwidth 14.706 MHz

Power Stat CCDF

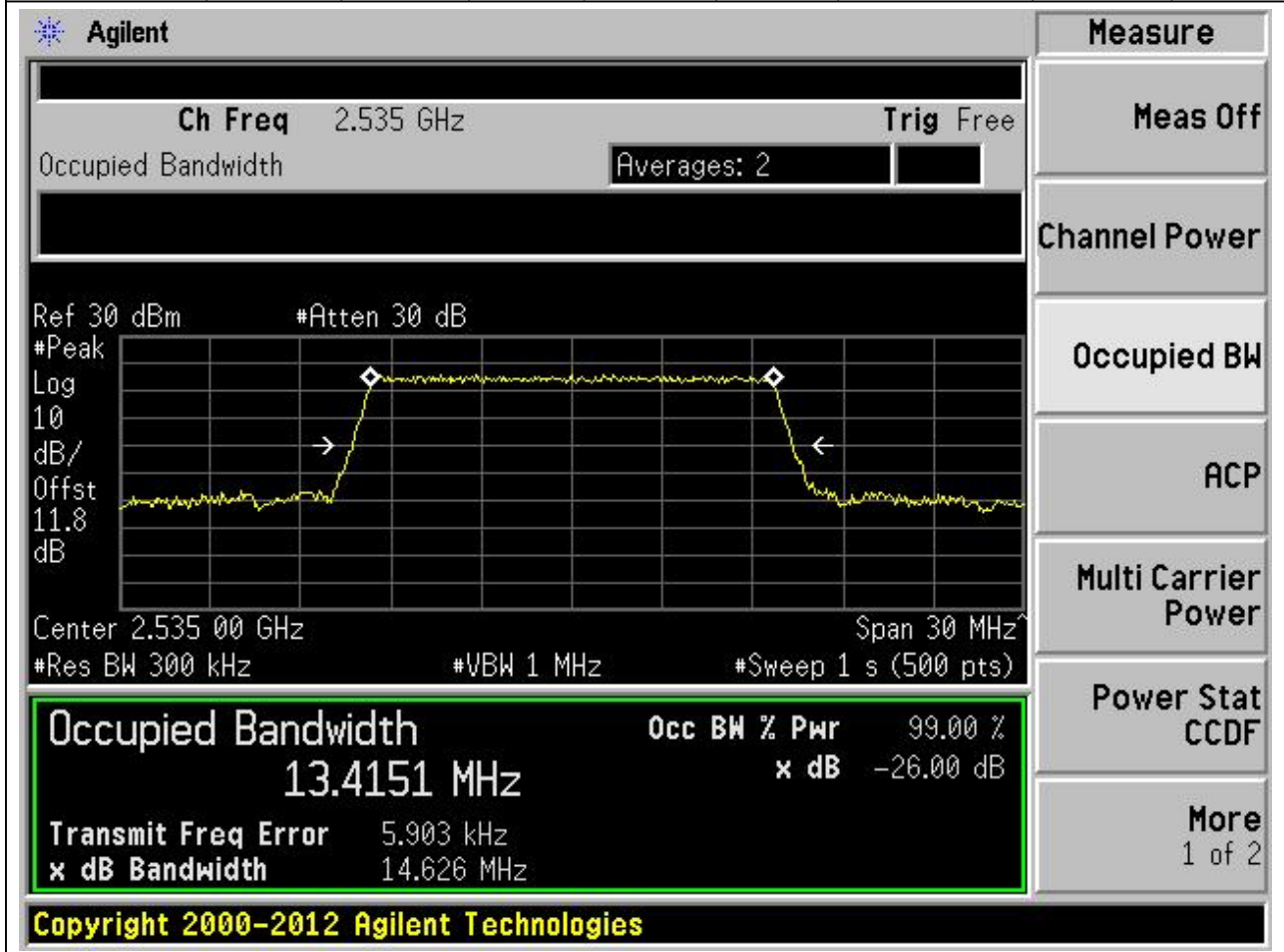
More

1 of 2

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**11.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.415	14.626	15	Pass



**11.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:21100, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.425	14.642	15	Pass

Agilent
Measure

Ch Freq 2.535 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.535 00 GHz Span 30 MHz  
#Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (500 pts)

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

**13.4253 MHz** x dB -26.00 dB

Transmit Freq Error 128.910 Hz

x dB Bandwidth 14.642 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**11.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.446	14.676	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5625 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with 'dB/Offst 12.1 dB'. The center frequency is 2.5625 GHz and the span is 30 MHz. The resolution bandwidth (RBW) is 300 kHz and the video bandwidth (VBW) is 1 MHz. The sweep time is 1 s (500 pts). The plot shows a signal with a peak at approximately 2.5625 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4461 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error -23.303 kHz' and 'x dB Bandwidth 14.676 MHz'. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays 'Copyright 2000-2012 Agilent Technologies'.

**11.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:21375, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.462	14.629	15	Pass

Agilent
Measure

Ch Freq 2.5625 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.1

dB

Center 2.562 50 GHz
Span 30 MHz

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

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

**13.4620 MHz**
x dB -26.00 dB

Transmit Freq Error -20.639 kHz

x dB Bandwidth 14.629 MHz

Power Stat CCDF

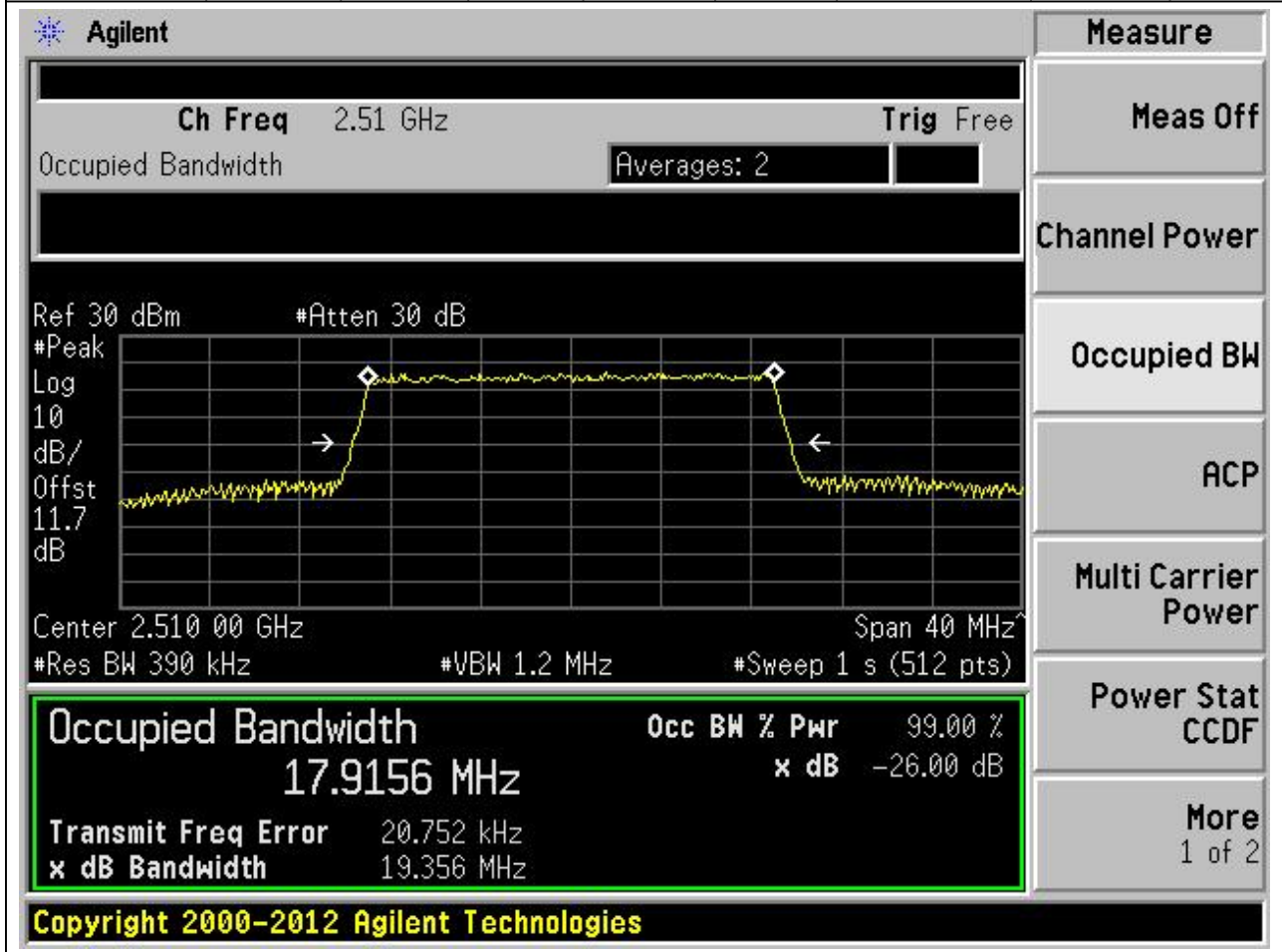
More 1 of 2

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**11.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.916	19.356	20	Pass



**11.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.928	19.451	20	Pass

Agilent
Measure

Ch Freq 2.51 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.7

dB

Center 2.510 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 1 s (512 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
17.9276 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 40.358 kHz	
<b>x dB Bandwidth</b> 19.451 MHz	

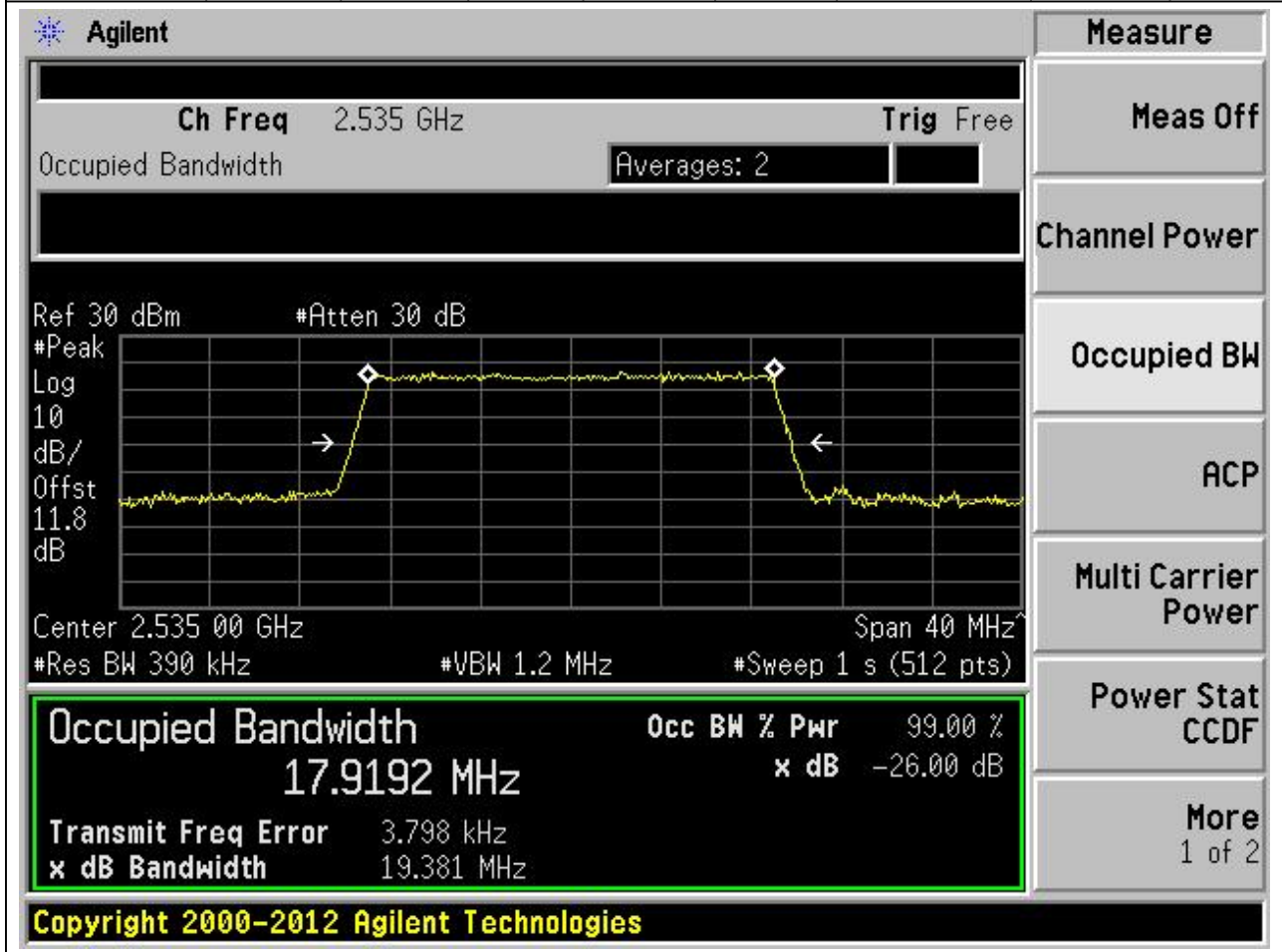
Power Stat CCDF
More

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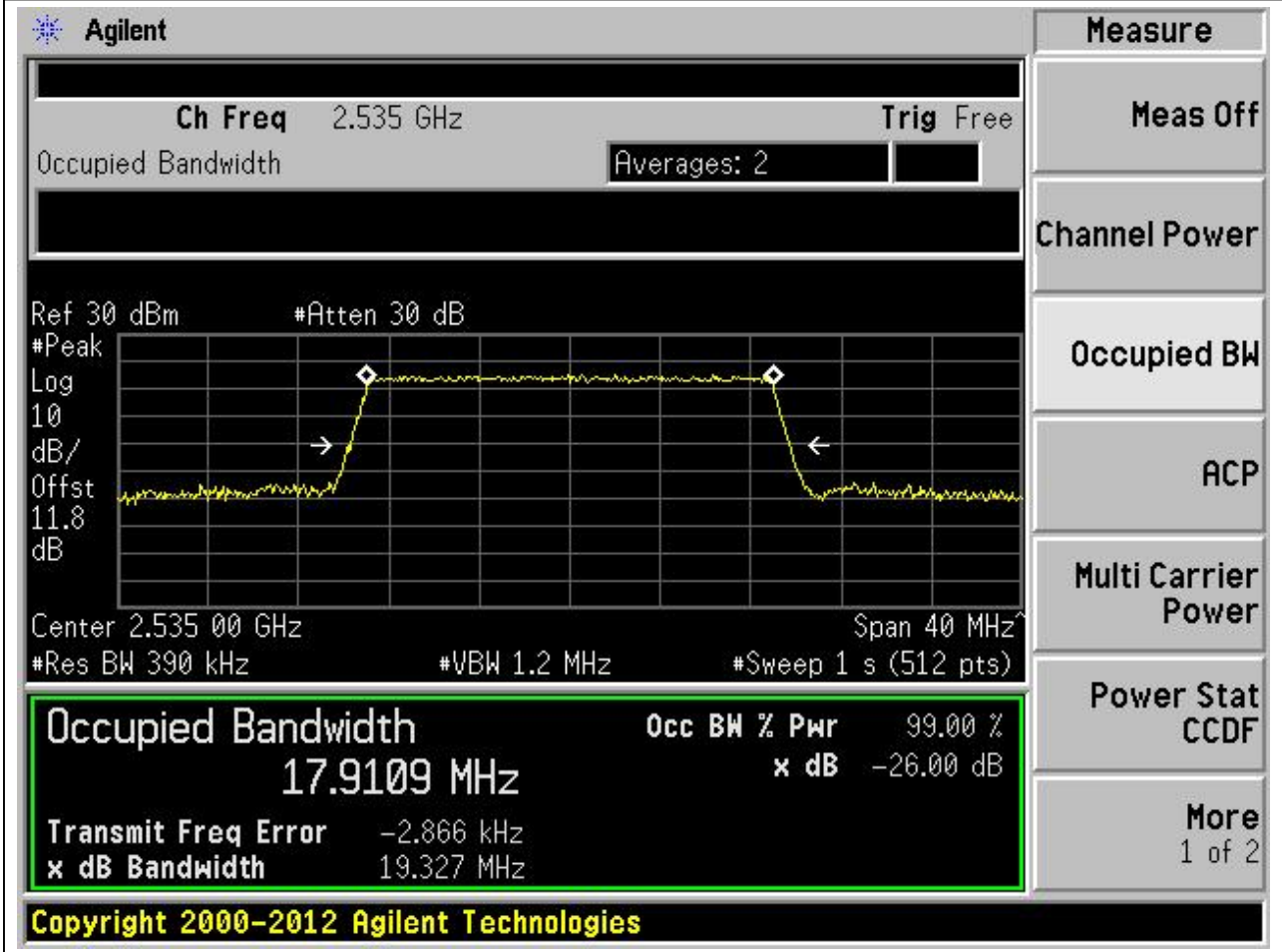
**11.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.919	19.381	20	Pass



**11.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.911	19.327	20	Pass



**11.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.955	19.616	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:

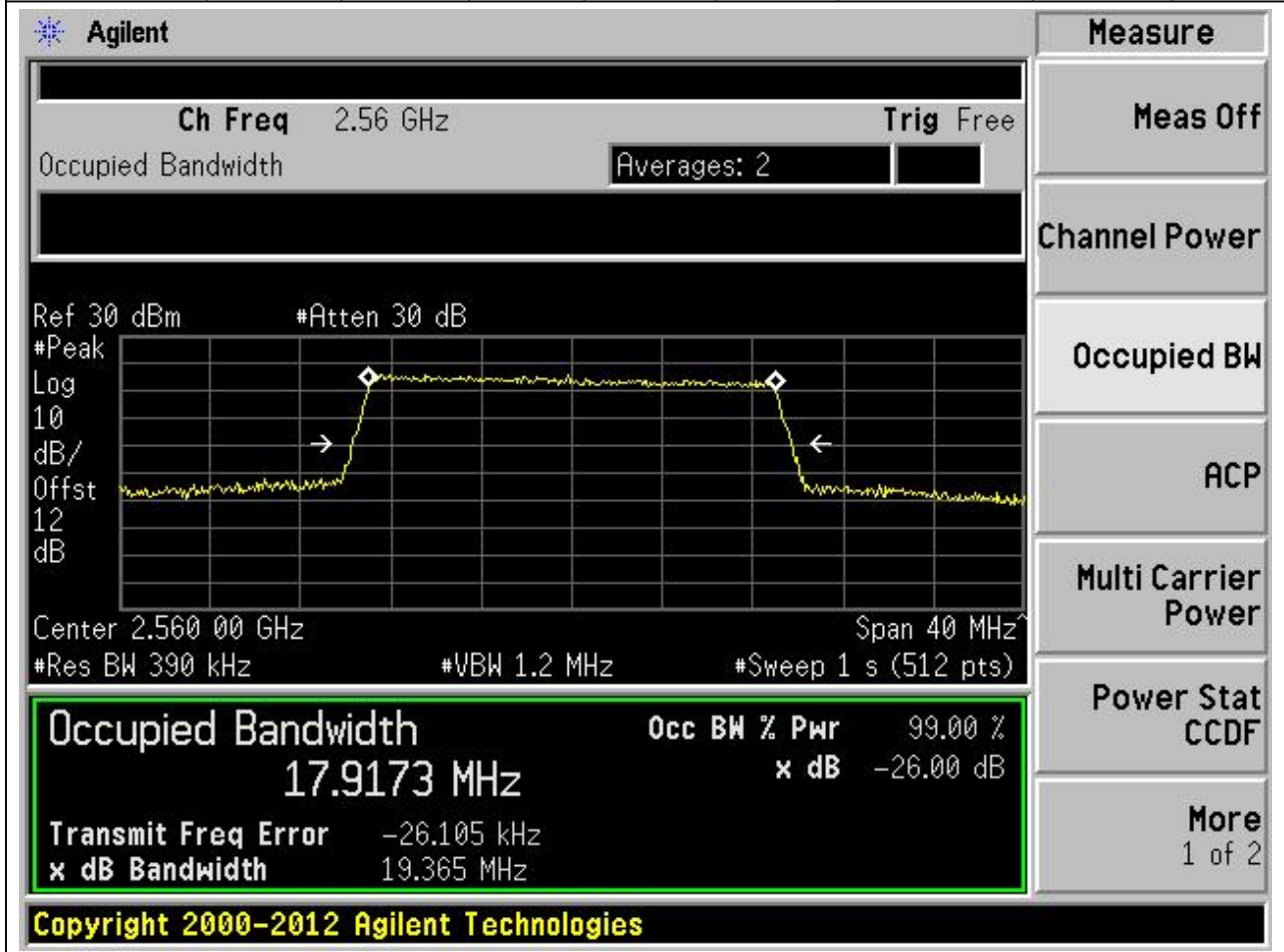
Measurement	Value
Occupied Bandwidth	17.9549 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-66.395 kHz
x dB Bandwidth	19.616 MHz

Other parameters visible in the interface include: Ch Freq 2.56 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, Center 2.560 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 1 s (512 pts).

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**11.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)**

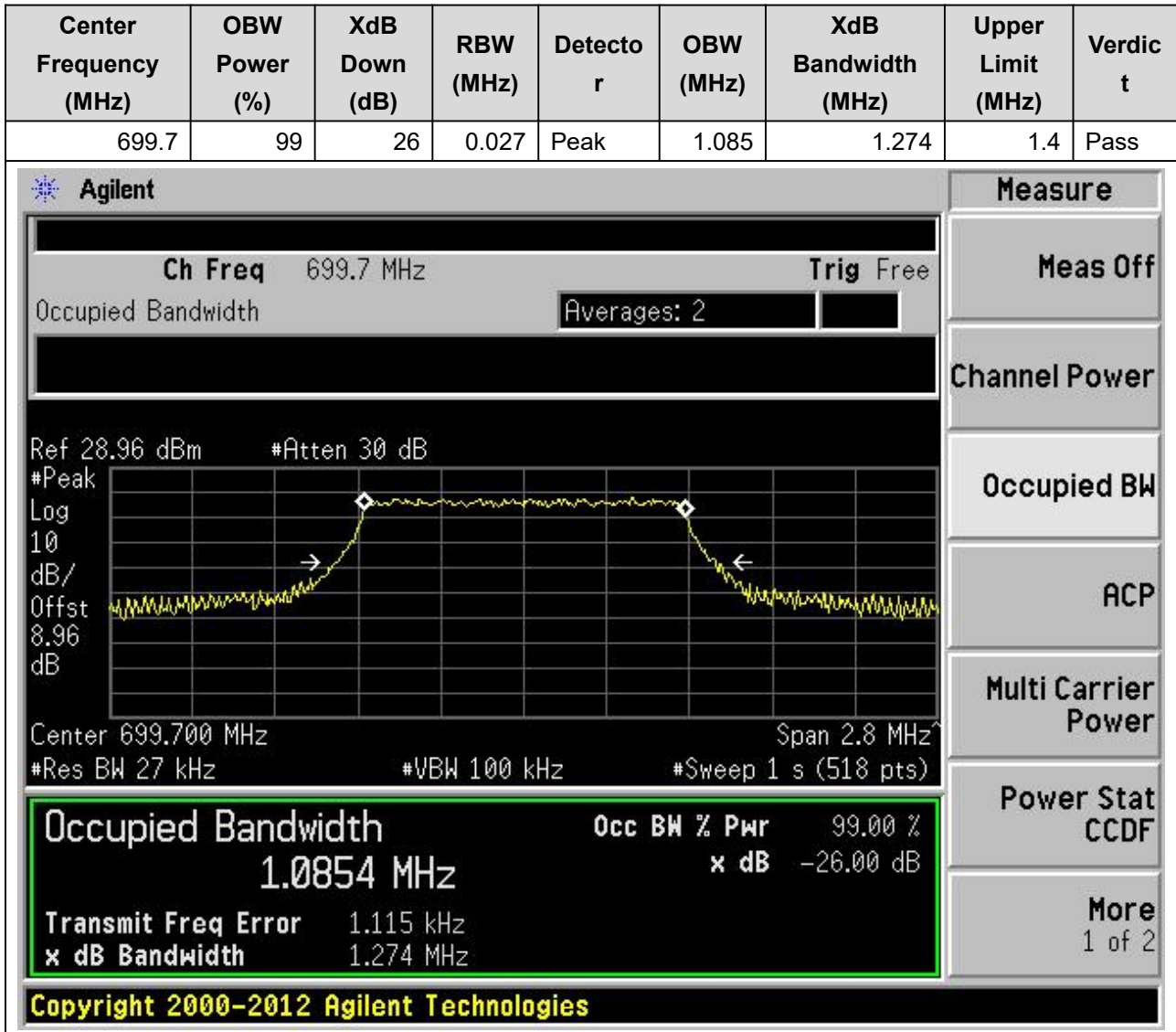
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.917	19.365	20	Pass





## 12. LTE\_Band12

### 12.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:23017, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



**12.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:23017, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
699.7	99	26	0.027	Peak	1.091	1.307	1.4	Pass

Agilent

Measure

Ch Freq 699.7 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.96 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.96

dB

Center 699.700 MHz
Span 2.8 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
1.0914 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-1.296 kHz
<b>x dB Bandwidth</b>	1.307 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

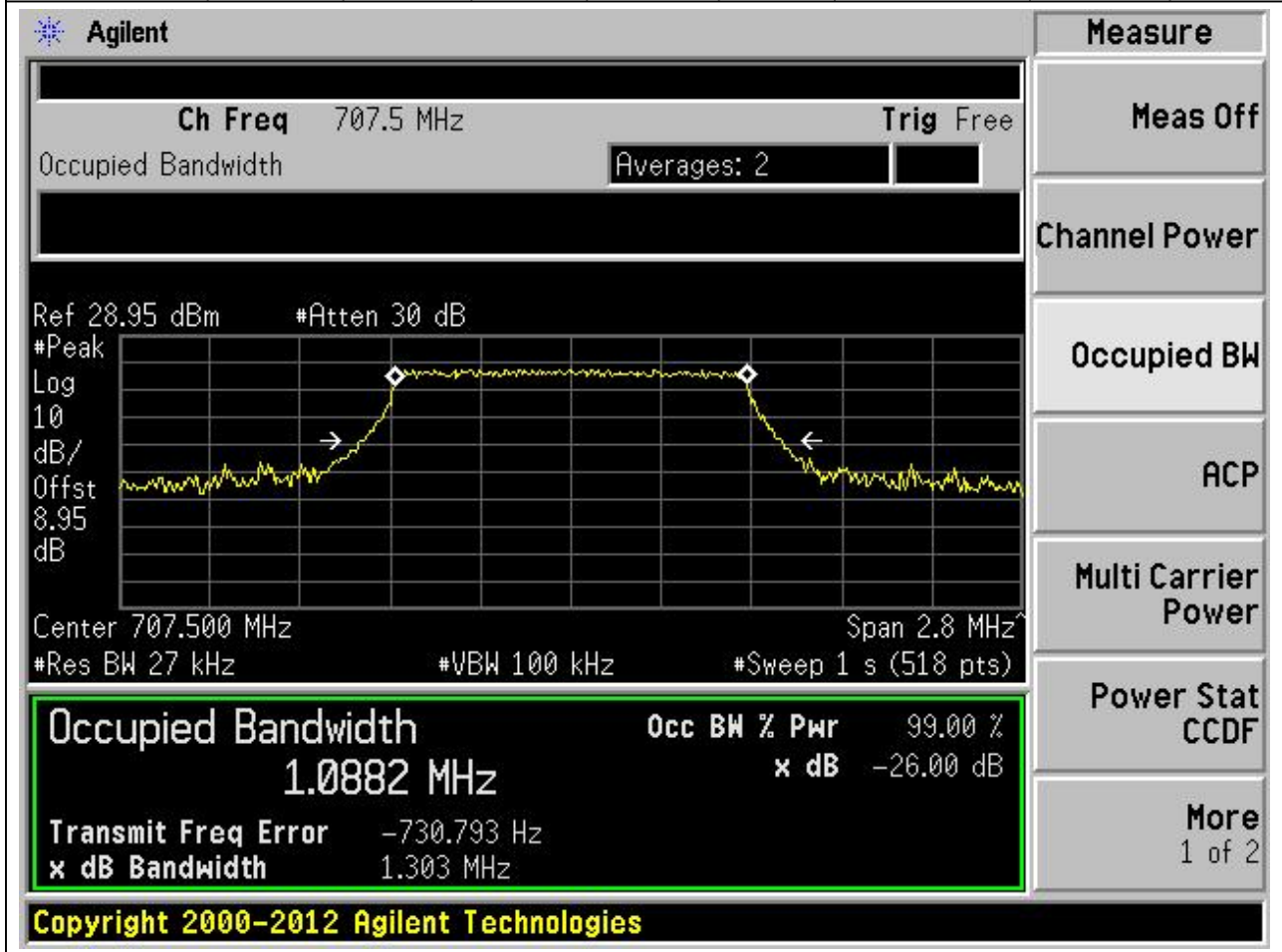
Power Stat CCDF

More
1 of 2

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**12.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:23095, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.088	1.303	1.4	Pass



**12.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:23095, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.084	1.263	1.4	Pass

Agilent
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.95 dB

Center 707.500 MHz Span 2.8 MHz

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

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

**1.0841 MHz** x dB -26.00 dB

Transmit Freq Error -395.476 Hz

x dB Bandwidth 1.263 MHz

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Meas Off

Channel Power

Occupied BW

ACP

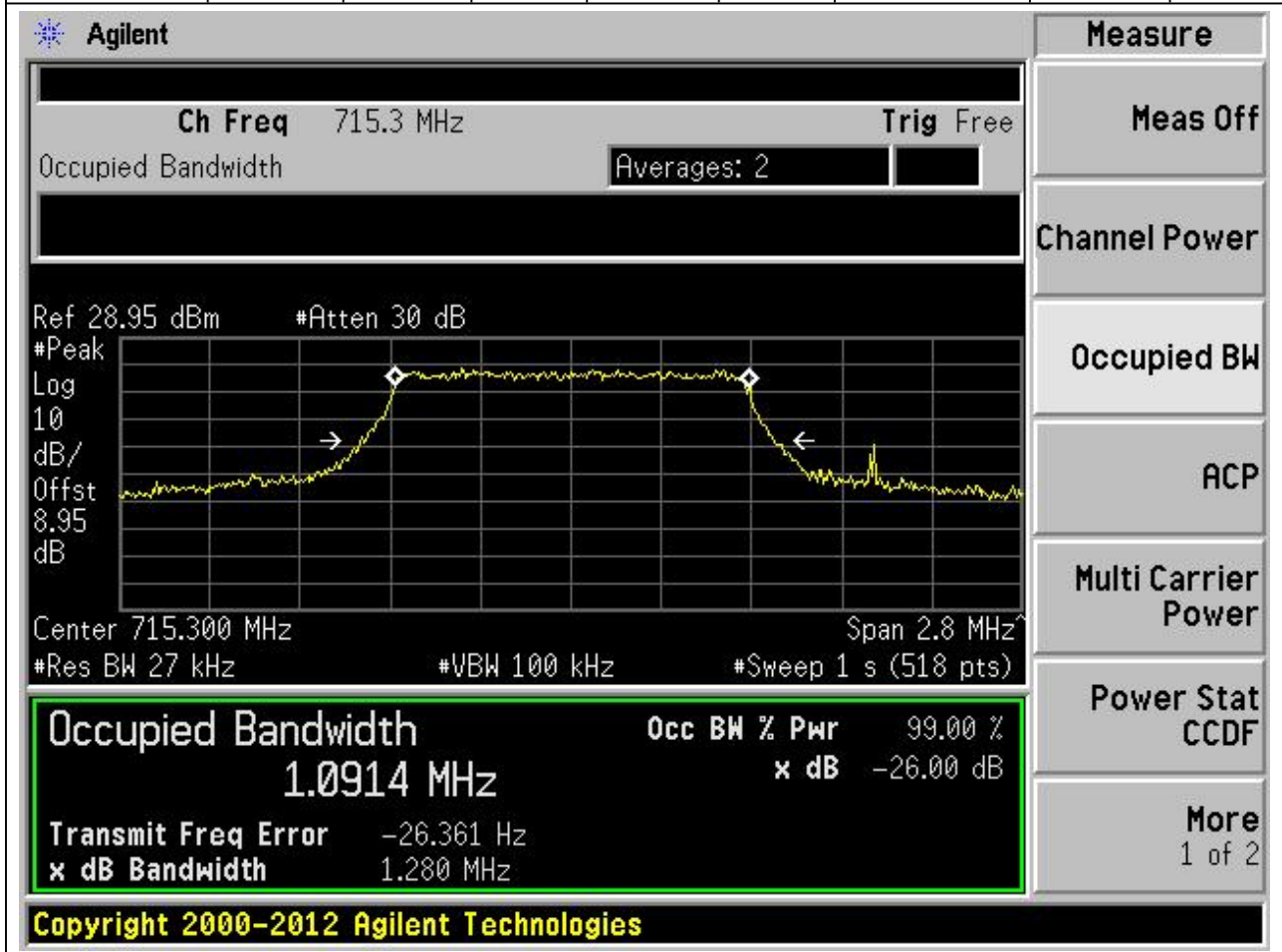
Multi Carrier Power

Power Stat CCDF

More 1 of 2

**12.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:23173, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.091	1.28	1.4	Pass



**12.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:23173, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.092	1.283	1.4	Pass

Agilent
Measure

Ch Freq 715.3 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.95 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.95

dB

Center 715.300 MHz
Span 2.8 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

1.0922 MHz
x dB -26.00 dB

Transmit Freq Error -368.049 Hz

x dB Bandwidth 1.283 MHz

Power Stat CCDF

More

1 of 2

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**12.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:23025, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.7	2.939	3	Pass

**Agilent**
**Measure**

Ch Freq 700.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.96 dB

Center 700.500 MHz Span 6 MHz

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

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

**2.6996 MHz** x dB -26.00 dB

Transmit Freq Error 1.457 kHz

x dB Bandwidth 2.939 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**12.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:23025, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.692	2.946	3	Pass

Agilent
Measure

Ch Freq 700.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.96 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.96

dB

Center 700.500 MHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6919 MHz
x dB -26.00 dB

Transmit Freq Error 2.028 kHz

x dB Bandwidth 2.946 MHz

Power Stat CCDF

More

1 of 2

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**12.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:23095, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.706	2.942	3	Pass

Agilent
Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.95 dBm    #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.95

dB

Center 707.500 MHz    Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.7057 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> -930.165 Hz	
<b>x dB Bandwidth</b> 2.942 MHz	

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

**12.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:23095, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.698	2.942	3	Pass

Agilent

Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 28.95 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.95

dB

Center 707.500 MHz
Span 6 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6975 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-1.674 kHz
<b>x dB Bandwidth</b>	2.942 MHz

Power Stat
CCDF

More
1 of 2

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**12.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:23165, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.698	2.94	3	Pass

**Agilent**
**Measure**

Ch Freq 714.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

Center 714.500 MHz Span 6 MHz  
 #Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
2.6980 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-3.742 kHz
<b>x dB Bandwidth</b>	2.940 MHz

**More**  
1 of 2

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**12.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:23165, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
714.5	99	26	0.062	Peak	2.692	2.962	3	Pass

**Agilent**
**Measure**

Ch Freq 714.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.95 dB

Center 714.500 MHz Span 6 MHz  
 #Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

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

2.6920 MHz x dB -26.00 dB

Transmit Freq Error -2.121 kHz

x dB Bandwidth 2.962 MHz

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**Meas Off**

**Channel Power**

**Occupied BW**

**ACP**

**Multi Carrier Power**

**Power Stat CCDF**

**More**  
1 of 2



**12.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:23035, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.491	4.955	5	Pass

Agilent
Measure

Ch Freq 701.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.96 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.96

dB

Center 701.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4909 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 1.932 kHz	
<b>x dB Bandwidth</b> 4.955 MHz	

Power Stat CCDF
More

1 of 2

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**12.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:23035, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.492	4.892	5	Pass

Agilent
Measure

Ch Freq 701.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.96 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.96 dB

Center 701.500 MHz Span 10 MHz

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

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

**4.4918 MHz** x dB -26.00 dB

Transmit Freq Error -1.917 kHz

x dB Bandwidth 4.892 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

**12.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:23095, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.492	4.973	5	Pass

Agilent

Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 28.95 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.95

dB

Center 707.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
4.4917 MHz	x dB	-26.00 dB
<b>Transmit Freq Error</b>		1.558 kHz
<b>x dB Bandwidth</b>		4.973 MHz

Power Stat
CCDF

More
1 of 2

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**12.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:23095, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.1	Peak	4.503	4.972	5	Pass

Agilent
Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 28.95 dBm #Atten 30 dB

Center 707.500 MHz Span 10 MHz  
 #Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.5034 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b> 2.006 kHz	
<b>x dB Bandwidth</b> 4.972 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2

**12.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:23155, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.489	4.946	5	Pass

Agilent
Measure

Ch Freq 713.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.95 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.95

dB

Center 713.500 MHz
Span 10 MHz

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

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b> 99.00 %
4.4888 MHz	x dB -26.00 dB
<b>Transmit Freq Error</b>	-3.784 kHz
<b>x dB Bandwidth</b>	4.946 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More  
1 of 2