

Annex A.3. Occupied Bandwidth

1. GSM_GSM850

1.1. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:128)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.2	99	26	0.004	Peak	0.245	0.311	0.3	Pass

Agilent

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

Ch Freq 824.2 MHz
Trig Free

Occupied Bandwidth Averages: 8

Ref 30 dBm #Atten 40 dB

#Peak Log 10 dB/ Offst 9.13 dB

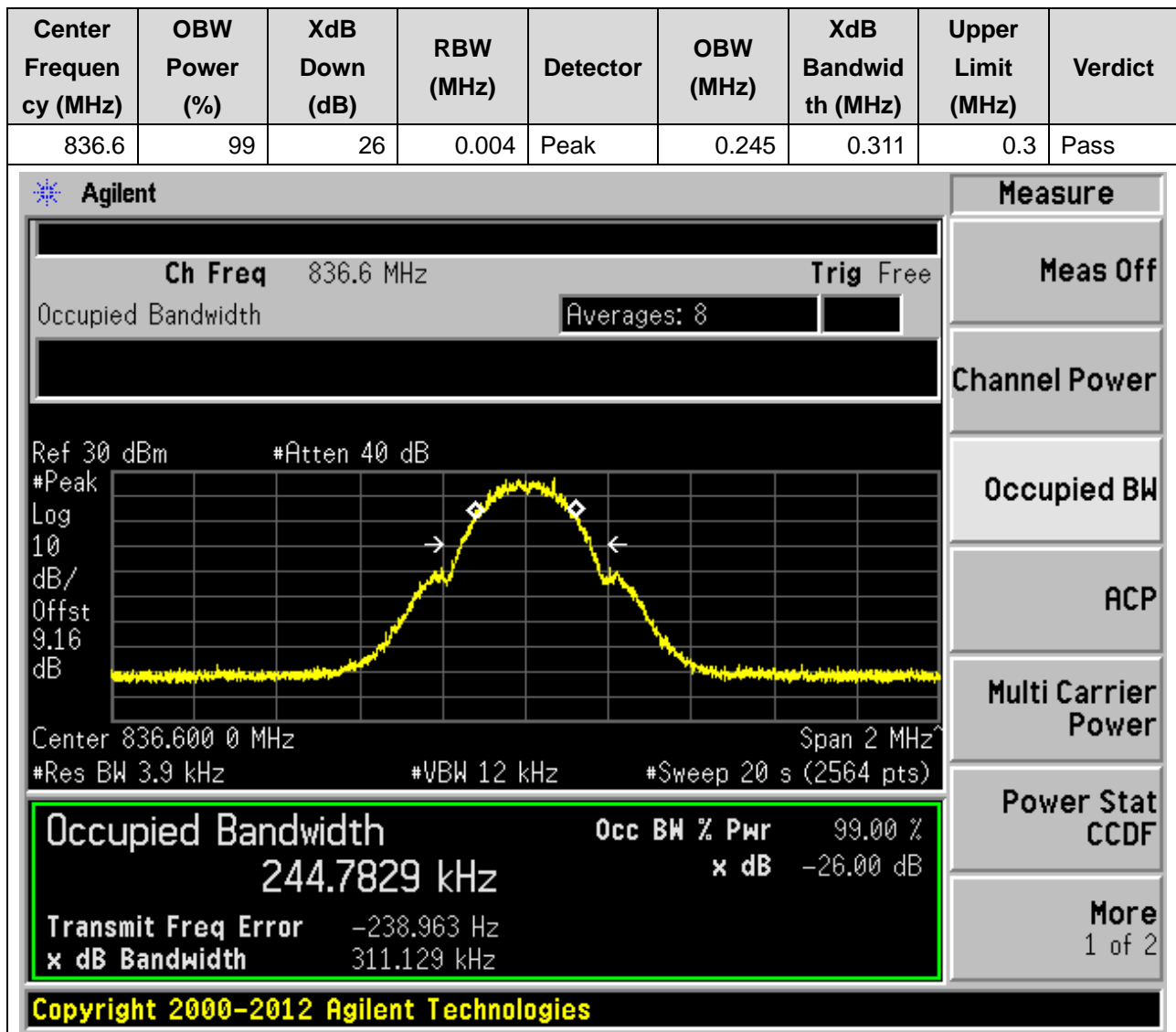
Center 824.200 0 MHz Span 2 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
245.0612 kHz	x dB -26.00 dB
Transmit Freq Error 54.227 Hz	
x dB Bandwidth 311.427 kHz	

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1.2. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:190)



1.3. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:251)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.245	0.311	0.3	Pass

Agilent

Ch Freq 848.8 MHz Trig Free

Occupied Bandwidth Averages: 8

Ref 30 dBm #Atten 40 dB

Center 848.800 0 MHz Span 2 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

245.2224 kHz x dB -26.00 dB

Transmit Freq Error -173.608 Hz

x dB Bandwidth 310.882 kHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

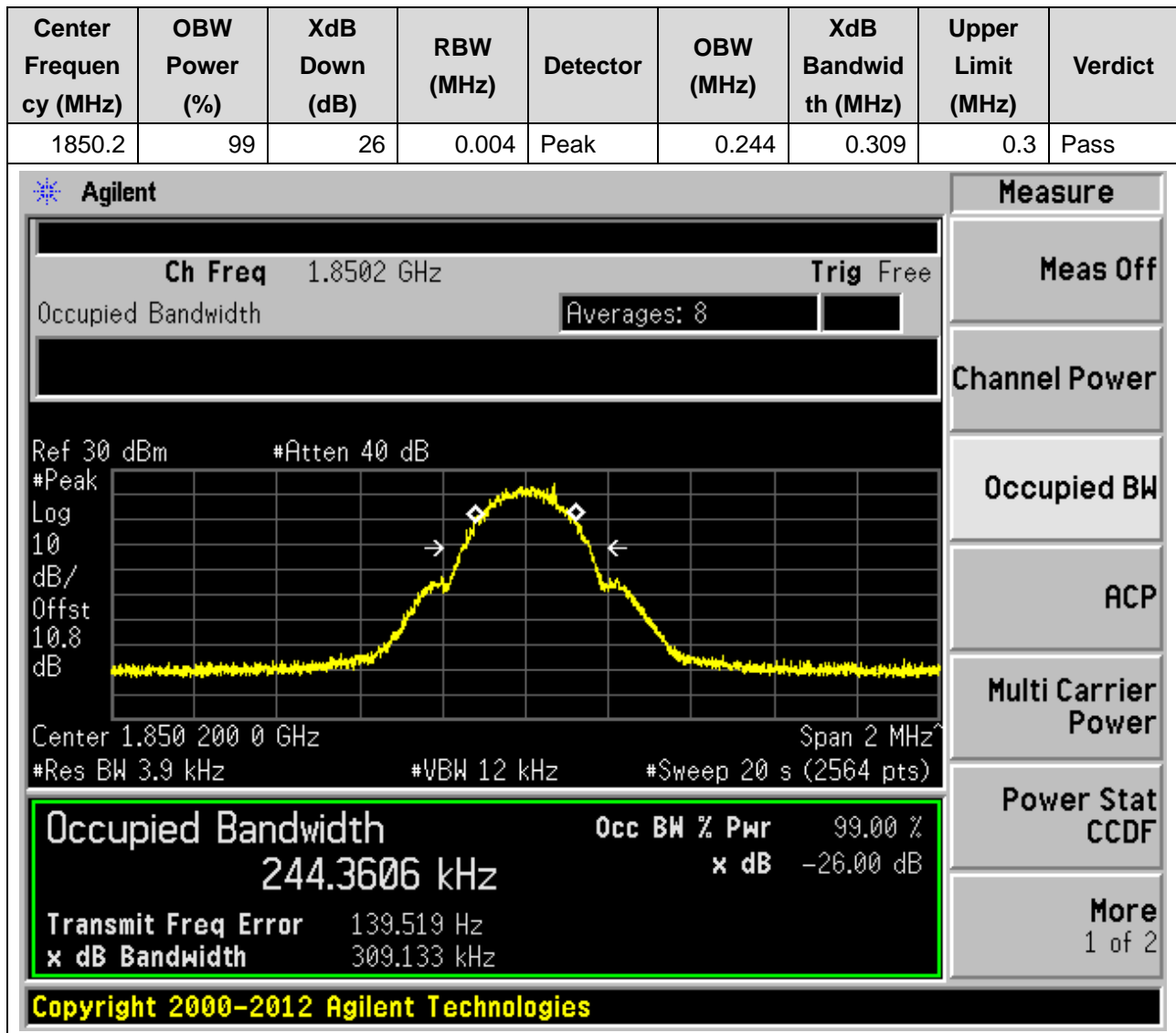
Multi Carrier Power

Power Stat CCDF

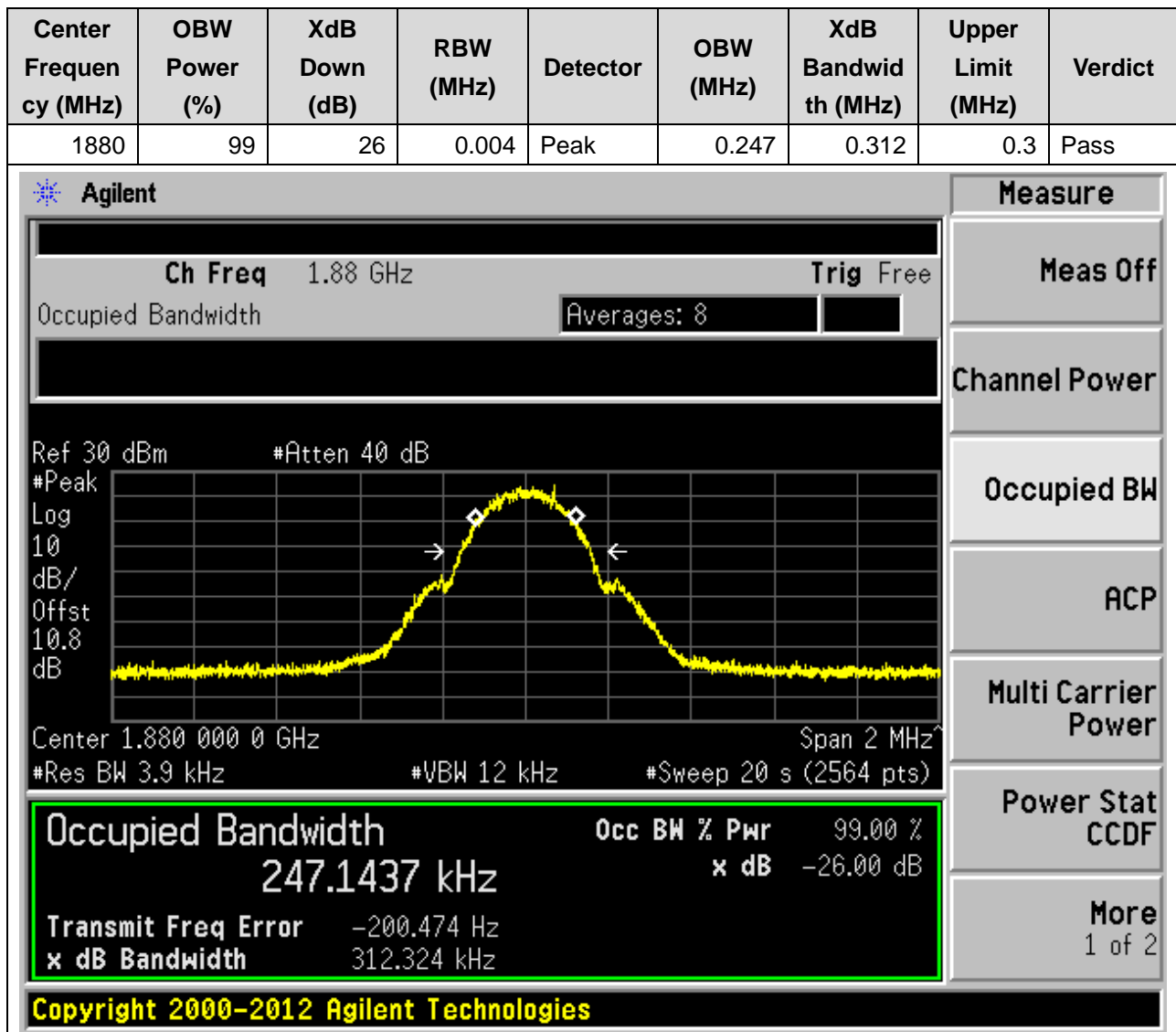
More 1 of 2

2. GSM_PCS

2.1. GSM Occupied Bandwidth_Part22-24(NTLV)(Channel:512)



2.2. GSM Occupied Bandwidth_Part22-24(NTLV)(Channel:661)



2.3. GSM Occupied Bandwidth_Part22-24(NTLV)(Channel:810)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.246	0.311	0.3	Pass

Agilent

Measure

Ch Freq 1.9098 GHz

Trig Free

Occupied Bandwidth

Averages: 8

Ref 30 dBm #Atten 40 dB

#Peak Log 10 dB/ Offst 10.9 dB

Center 1.909 800 0 GHz Span 2 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

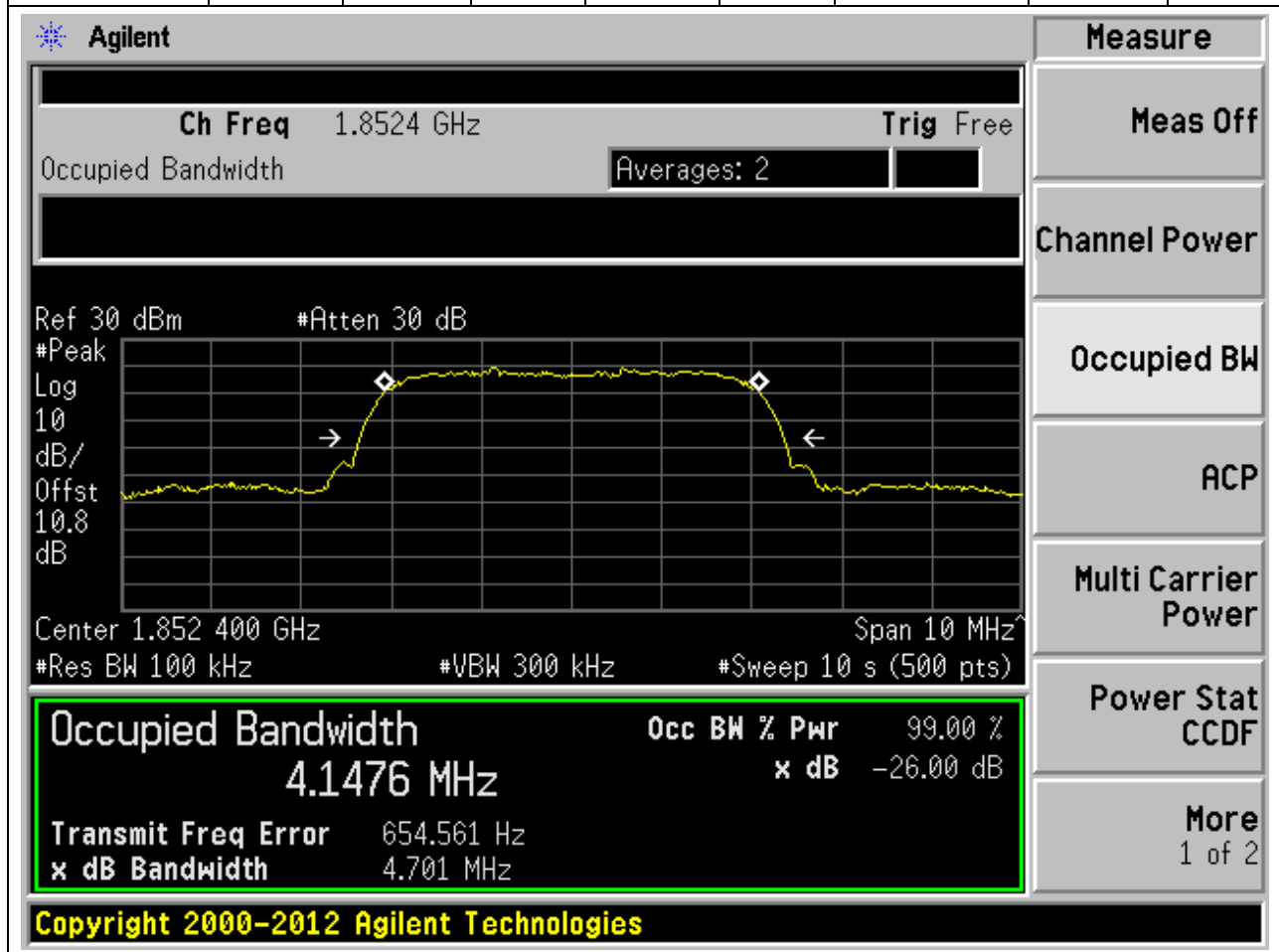
Occupied Bandwidth	Occ BW % Pwr	99.00 %
245.5362 kHz	x dB	-26.00 dB
Transmit Freq Error	480.750 Hz	
x dB Bandwidth	310.684 kHz	

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1. WCDMA_Band2

1.1. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:9262)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.4	99	26	0.1	Peak	4.148	4.701	5	Pass



1.2. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:9400)

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	4.15	4.695	5	Pass

Agilent

Measure

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
10.8
dB

Center 1.880 000 GHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1496 MHz	x dB	-26.00 dB
Transmit Freq Error	5.923 kHz	
x dB Bandwidth	4.695 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.3. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:9538)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.6	99	26	0.1	Peak	4.147	4.701	5	Pass

Agilent

Measure

Ch Freq 1.9076 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
10.9
dB

Center 1.907 600 GHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1471 MHz	x dB	-26.00 dB
Transmit Freq Error	631.915 Hz	
x dB Bandwidth	4.701 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

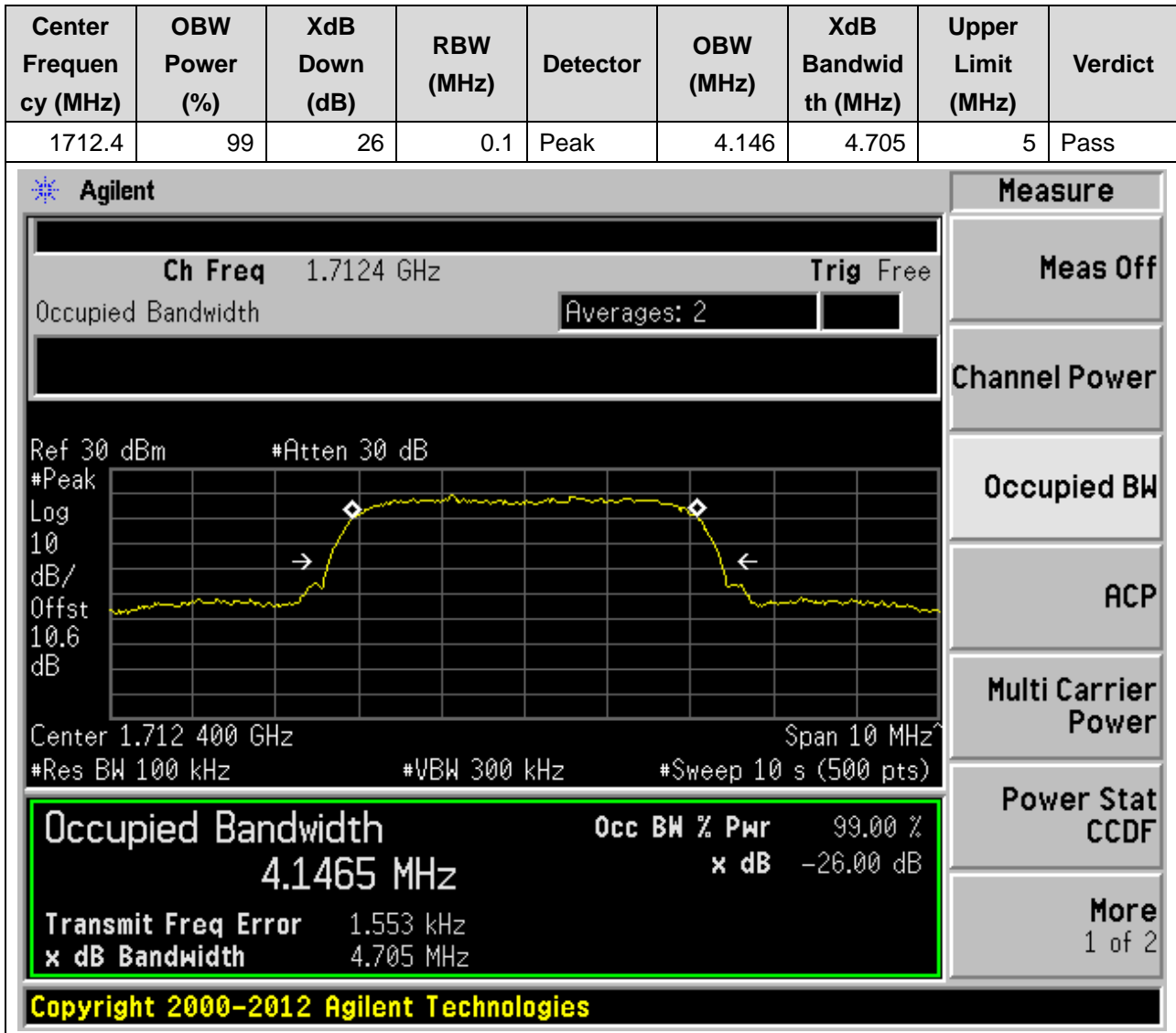
Multi Carrier Power

Power Stat
CCDF

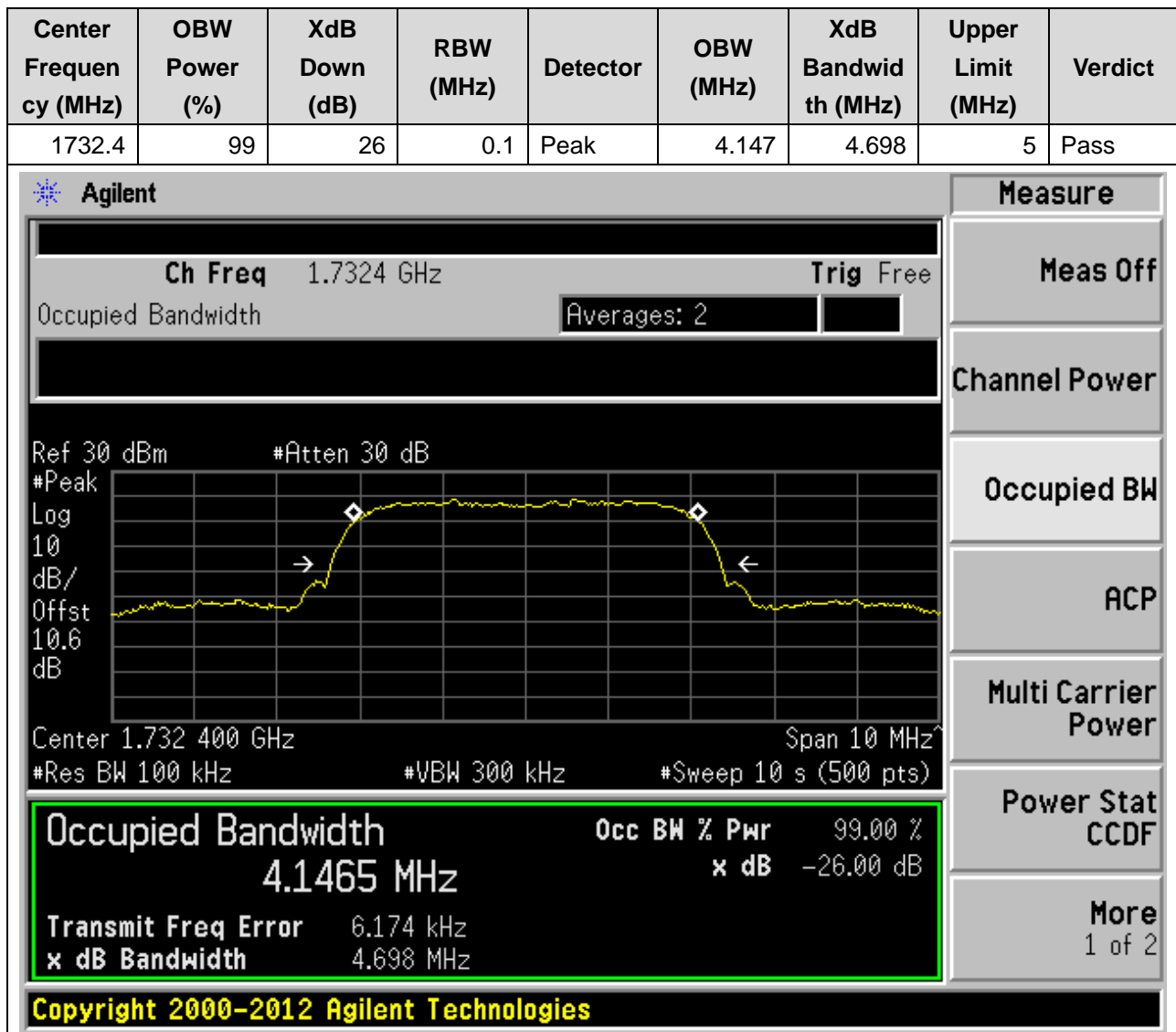
More
1 of 2

2. WCDMA_Band4

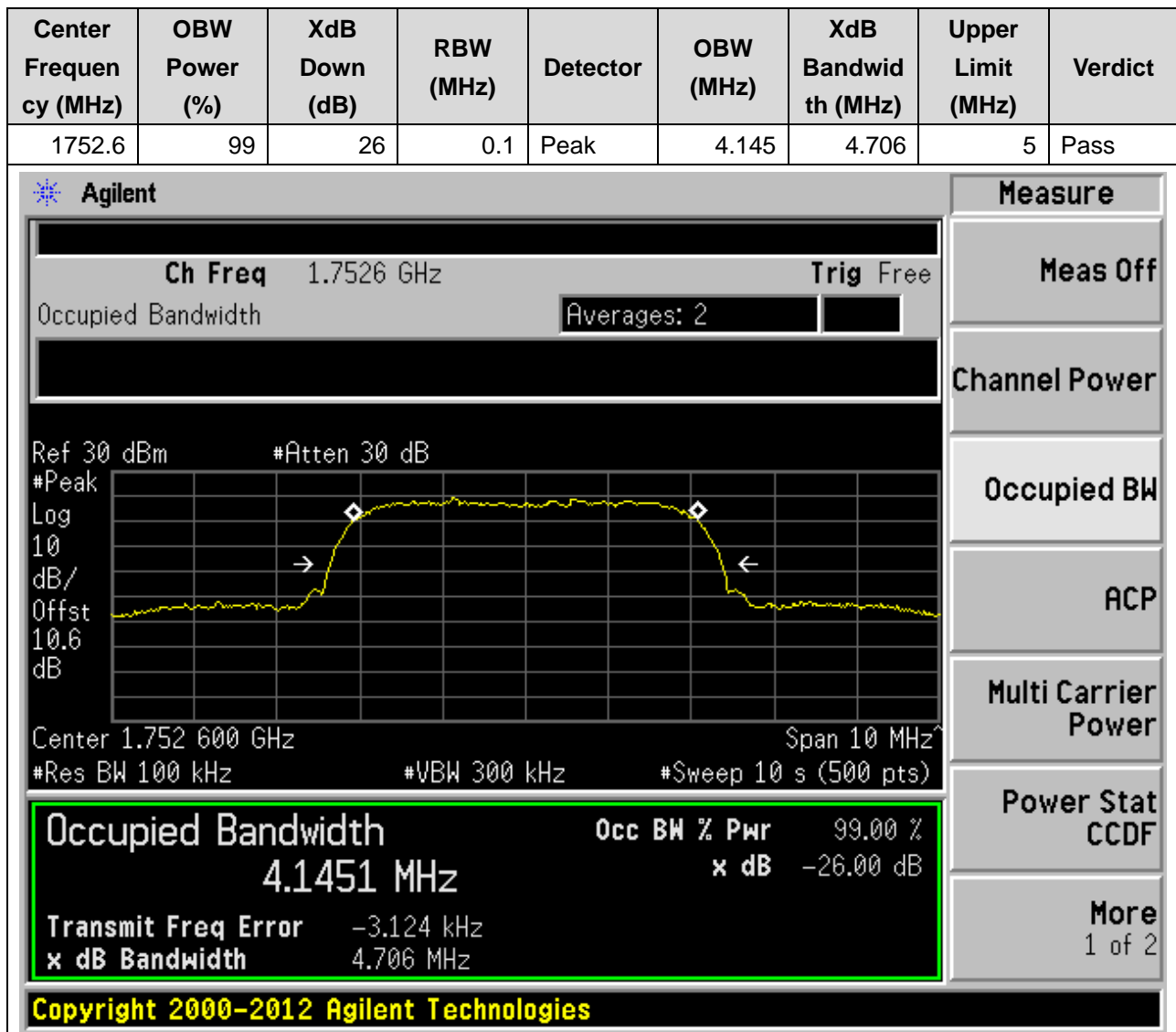
2.1. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:1312)



2.2. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:1412)



2.3. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:1513)



3. WCDMA_Band5

3.1. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:4132)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.4	99	26	0.1	Peak	4.147	4.699	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 826.400 MHz with a span of 10 MHz. The vertical axis is labeled 'Log 10 dB/Offst 9.15 dB'. The horizontal axis is labeled 'Center 826.400 MHz' and 'Span 10 MHz'. The plot shows a signal with a peak at 826.4 MHz. The signal is measured with a resolution bandwidth (RBW) of 100 kHz, a video bandwidth (VBW) of 300 kHz, and a sweep time of 10 s (500 pts). The signal is measured with a peak detector and a 30 dB attenuator. The signal level is 29.15 dBm. The occupied bandwidth is 4.1473 MHz, and the power is 99.00% at -26.00 dB. The transmit frequency error is -462.571 Hz. The x dB bandwidth is 4.699 MHz. The upper limit is 5 MHz. The verdict is Pass.

Measure

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

Occupied Bandwidth 4.1473 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -462.571 Hz

x dB Bandwidth 4.699 MHz

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3.2. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:4182)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.4	99	26	0.1	Peak	4.15	4.705	5	Pass

Agilent

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

Ch Freq 836.4 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.16 dB

Center 836.400 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.1501 MHz x dB -26.00 dB

Transmit Freq Error 2.105 kHz

x dB Bandwidth 4.705 MHz

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3.3. WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:4233)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.6	99	26	0.1	Peak	4.144	4.695	5	Pass

Agilent

Ch Freq 846.6 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.22 dBm #Atten 30 dB

Center 846.600 MHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.1439 MHz x dB -26.00 dB

Transmit Freq Error -7.875 kHz

x dB Bandwidth 4.695 MHz

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

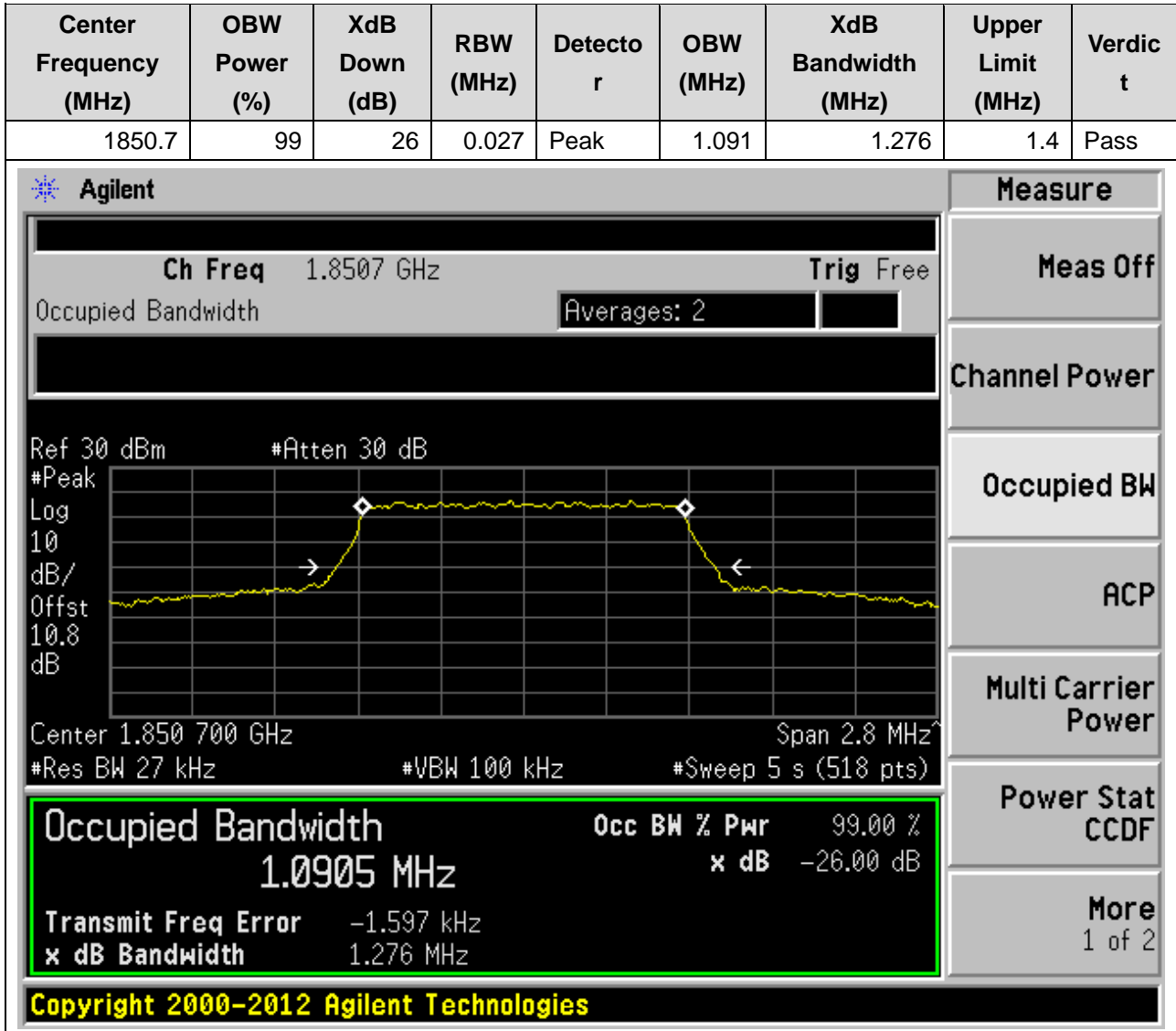
Power Stat CCDF

More 1 of 2

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1. LTE_Band2

1.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



1.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:18607, 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
1850.7	99	26	0.027	Peak	1.096	1.294	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8507 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 1.850 700 GHz', 'Span 2.8 MHz', '#Res BW 27 kHz', '#VBW 100 kHz', and '#Sweep 5 s (518 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 1.0956 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -2.367 kHz', and 'x dB Bandwidth 1.294 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'.

1.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:18900, 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
1880	99	26	0.027	Peak	1.094	1.293	1.4	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', 'Log 10', 'dB/Offst 10.8 dB', 'Center 1.880 000 GHz', 'Span 2.8 MHz', '#Res BW 27 kHz', '#VBW 100 kHz', and '#Sweep 5 s (518 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 1.0942 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 1.478 kHz', and 'x dB Bandwidth 1.293 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'.

1.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:18900, 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
1880	99	26	0.027	Peak	1.087	1.268	1.4	Pass

Agilent

Measure

Ch Freq 1.88 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.880 000 GHz
Span 2.8 MHz

#Res BW 27 kHz
#VBW 100 kHz
#Sweep 5 s (518 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0866 MHz	x dB	-26.00 dB
Transmit Freq Error		-127.268 Hz
x dB Bandwidth		1.268 MHz

Power Stat
CCDF

More
1 of 2

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1.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:19193, 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
1909.3	99	26	0.027	Peak	1.094	1.266	1.4	Pass

Agilent

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

Ch Freq 1.9093 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.909 300 GHz Span 2.8 MHz

#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0944 MHz

x dB -26.00 dB

Transmit Freq Error -533.446 Hz

x dB Bandwidth 1.266 MHz

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1.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:19193, 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
1909.3	99	26	0.027	Peak	1.091	1.272	1.4	Pass

Agilent

Measure

Ch Freq 1.9093 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

Center 1.909 300 GHz
Span 2.8 MHz

#Res BW 27 kHz
#VBW 100 kHz
#Sweep 5 s (518 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0909 MHz	x dB	-26.00 dB
Transmit Freq Error		-553.130 Hz
x dB Bandwidth		1.272 MHz

Power Stat
CCDF

More
1 of 2

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1.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:18615, 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
1851.5	99	26	0.062	Peak	2.699	2.979	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8515 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with a 'Ref 30 dBm' and '#Atten 30 dB'. The x-axis is labeled 'Center 1.851 500 GHz' and 'Span 6 MHz'. The y-axis is labeled 'dB/Offst 10.8 dB'. The plot shows a signal with a peak at approximately 1.8515 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.6987 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 525.973 Hz' and 'x dB Bandwidth 2.979 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

1.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:18615, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

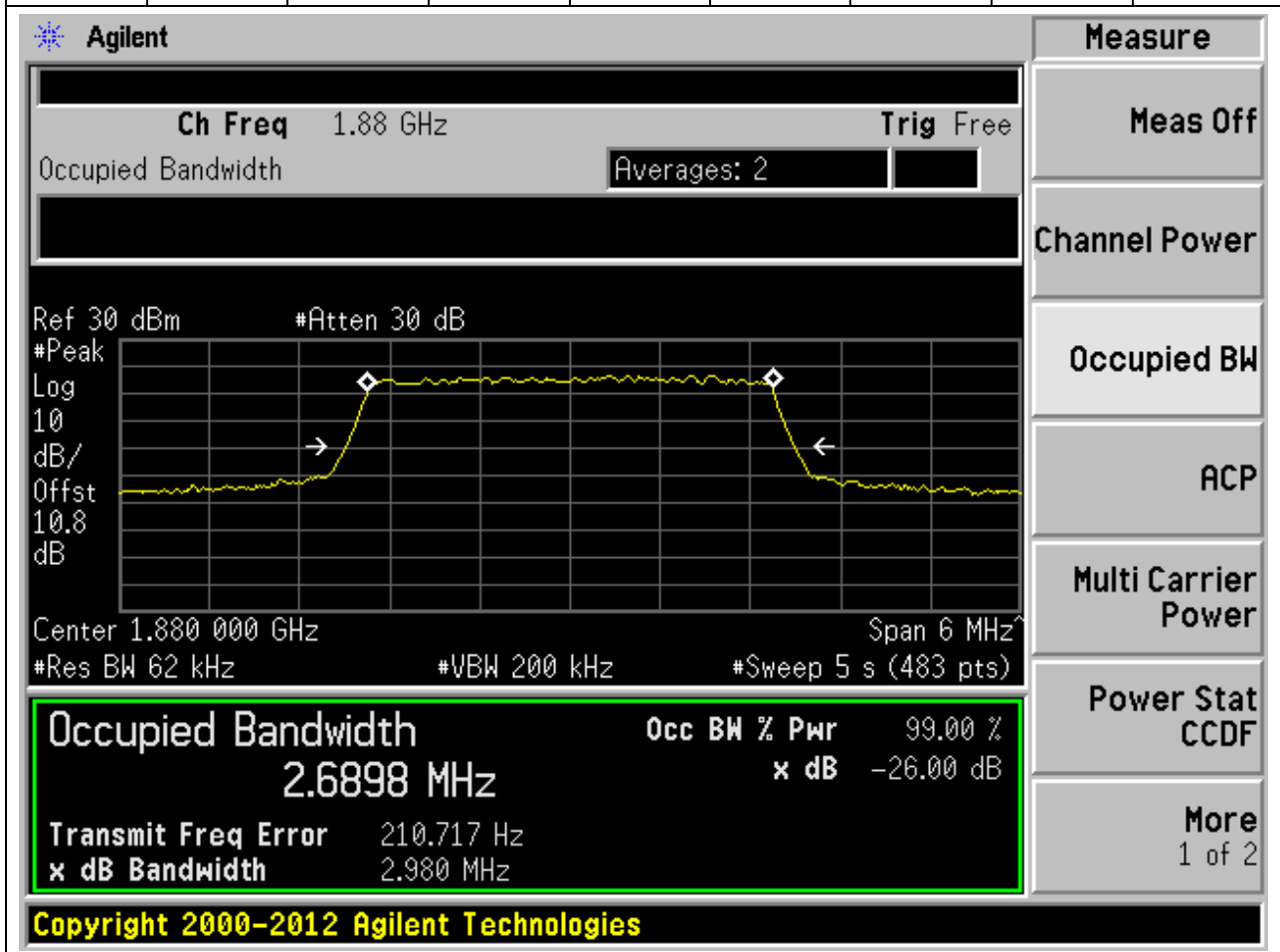
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1851.5	99	26	0.062	Peak	2.697	3.01	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8515 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 10.8 dB'. The center frequency is 1.851500 GHz and the span is 6 MHz. The resolution bandwidth (Res BW) is 62 kHz, the video bandwidth (VBW) is 200 kHz, and the sweep time is 5 s (483 pts). The plot shows a signal with a peak at approximately 1.8515 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.6966 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 5.619 kHz and the 'x dB Bandwidth' is 3.010 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.6966 MHz	99.00 %	-26.00 dB

1.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:18900, 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
1880	99	26	0.062	Peak	2.69	2.98	3	Pass



1.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:18900, 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
1880	99	26	0.062	Peak	2.69	2.998	3	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 is set to 'Log 10 dB/Offst 10.8 dB' and has a '#Peak' marker. The plot shows a signal with a flat top and sloping sides, indicating a carrier signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 2.6898 MHz. Other parameters shown include 'Ref 30 dBm', '#Atten 30 dB', 'Center 1.880 000 GHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 5 s (483 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 -1.678 kHz' and 'x dB Bandwidth 2.998 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 copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

1.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:19185, 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
1908.5	99	26	0.062	Peak	2.695	2.983	3	Pass

Agilent

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

Ch Freq 1.9085 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.908 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6951 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.564 kHz	
x dB Bandwidth	2.983 MHz	

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1.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:19185, 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
1908.5	99	26	0.062	Peak	2.687	2.98	3	Pass

Agilent
Measure

Ch Freq 1.9085 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.9

dB

Center 1.908 500 GHz
Span 6 MHz

#Res BW 62 kHz
#VBW 200 kHz
#Sweep 5 s (483 pts)

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6873 MHz
x dB -26.00 dB

Transmit Freq Error -3.293 kHz

x dB Bandwidth 2.980 MHz

Power Stat
CCDF

More
1 of 2

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1.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:18625, 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
1852.5	99	26	0.1	Peak	4.494	4.927	5	Pass

Agilent

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

Ch Freq 1.8525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.852 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4936 MHz	x dB -26.00 dB
Transmit Freq Error	-1.945 kHz
x dB Bandwidth	4.927 MHz

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1.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:18625, 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
1852.5	99	26	0.1	Peak	4.489	4.919	5	Pass

Agilent

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

Ch Freq 1.8525 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.852 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4890 MHz x dB -26.00 dB

Transmit Freq Error -96.343 Hz

x dB Bandwidth 4.919 MHz

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1.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:18900, 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
1880	99	26	0.1	Peak	4.498	4.913	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Center 1.880 000 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts). The plot shows a signal with a peak at approximately 1.880 GHz. The measurement results are displayed in a green-bordered box:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4980 MHz	x dB	-26.00 dB
Transmit Freq Error		-1.276 kHz
x dB Bandwidth		4.913 MHz

Additional parameters shown in the interface include: Ch Freq 1.88 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.8 dB. 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. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:18900, 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
1880	99	26	0.1	Peak	4.503	4.928	5	Pass

Agilent
Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.880 000 GHz 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

4.5031 MHz

Transmit Freq Error 1.037 kHz

x dB Bandwidth 4.928 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:19175, 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
1907.5	99	26	0.1	Peak	4.487	4.921	5	Pass

Agilent

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

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.907 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4868 MHz x dB -26.00 dB

Transmit Freq Error 3.959 kHz

x dB Bandwidth 4.921 MHz

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1.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:19175, 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
1907.5	99	26	0.1	Peak	4.503	4.935	5	Pass

Agilent

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

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.907 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5026 MHz

x dB -26.00 dB

Transmit Freq Error 2.576 kHz

x dB Bandwidth 4.935 MHz

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1.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:18650, 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
1855	99	26	0.2	Peak	8.971	9.803	10	Pass

Agilent

Ch Freq 1.855 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.855 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9712 MHz x dB -26.00 dB

Transmit Freq Error 9.243 kHz

x dB Bandwidth 9.803 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 Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:18650, 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
1855	99	26	0.2	Peak	8.951	9.77	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 trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.8 dB', 'Center 1.855 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9512 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 9.775 kHz' and 'x dB Bandwidth 9.770 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'.

1.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:18900, 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
1880	99	26	0.2	Peak	8.946	9.767	10	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', 'Log 10 dB/Offst 10.8 dB', 'Center 1.880 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9456 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 6.964 kHz', and 'x dB Bandwidth 9.767 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'.

1.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:18900, 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
1880	99	26	0.2	Peak	8.961	9.785	10	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', 'Log 10 dB/Offst 10.8 dB', 'Center 1.880 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9610 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 11.623 kHz', and 'x dB Bandwidth 9.785 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'.

1.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:19150, 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
1905	99	26	0.2	Peak	8.968	9.791	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.905 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 10.9 dB', 'Center 1.905 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9683 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -7.402 kHz', and 'x dB Bandwidth 9.791 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'.

1.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:19150, 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
1905	99	26	0.2	Peak	8.957	9.785	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.905 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.9 dB', 'Center 1.905 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9568 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -8.675 kHz', and 'x dB Bandwidth 9.785 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'.

1.25. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:25, Channel:18675, 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
1857.5	99	26	0.3	Peak	13.469	15.34	15	Pass

Agilent

Ch Freq 1.8575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.857 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4692 MHz	x dB	-26.00 dB
Transmit Freq Error	6.093 kHz	
x dB Bandwidth	15.340 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.26. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:26, Channel:18675, 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
1857.5	99	26	0.3	Peak	13.482	14.62	15	Pass

Agilent

Ch Freq 1.8575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.857 50 GHz Span 30 MHz

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

Occupied Bandwidth 13.4815 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 14.473 kHz

x dB Bandwidth 14.620 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.27. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:27, Channel:18900, 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
1880	99	26	0.3	Peak	13.412	14.636	15	Pass

Agilent

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

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.880 00 GHz Span 30 MHz
 #Res BW 300 kHz #VBW 1 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4121 MHz	x dB	-26.00 dB
Transmit Freq Error	14.778 kHz	
x dB Bandwidth	14.636 MHz	

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1.28. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:28, Channel:18900, 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
1880	99	26	0.3	Peak	13.437	14.605	15	Pass

Agilent

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

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.880 00 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4368 MHz	x dB	-26.00 dB
Transmit Freq Error	7.492 kHz	
x dB Bandwidth	14.605 MHz	

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1.29. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:29, Channel:19125, 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
1902.5	99	26	0.3	Peak	13.438	14.718	15	Pass

Agilent

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

Ch Freq 1.9025 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.902 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4377 MHz

x dB -26.00 dB

Transmit Freq Error -6.854 kHz

x dB Bandwidth 14.718 MHz

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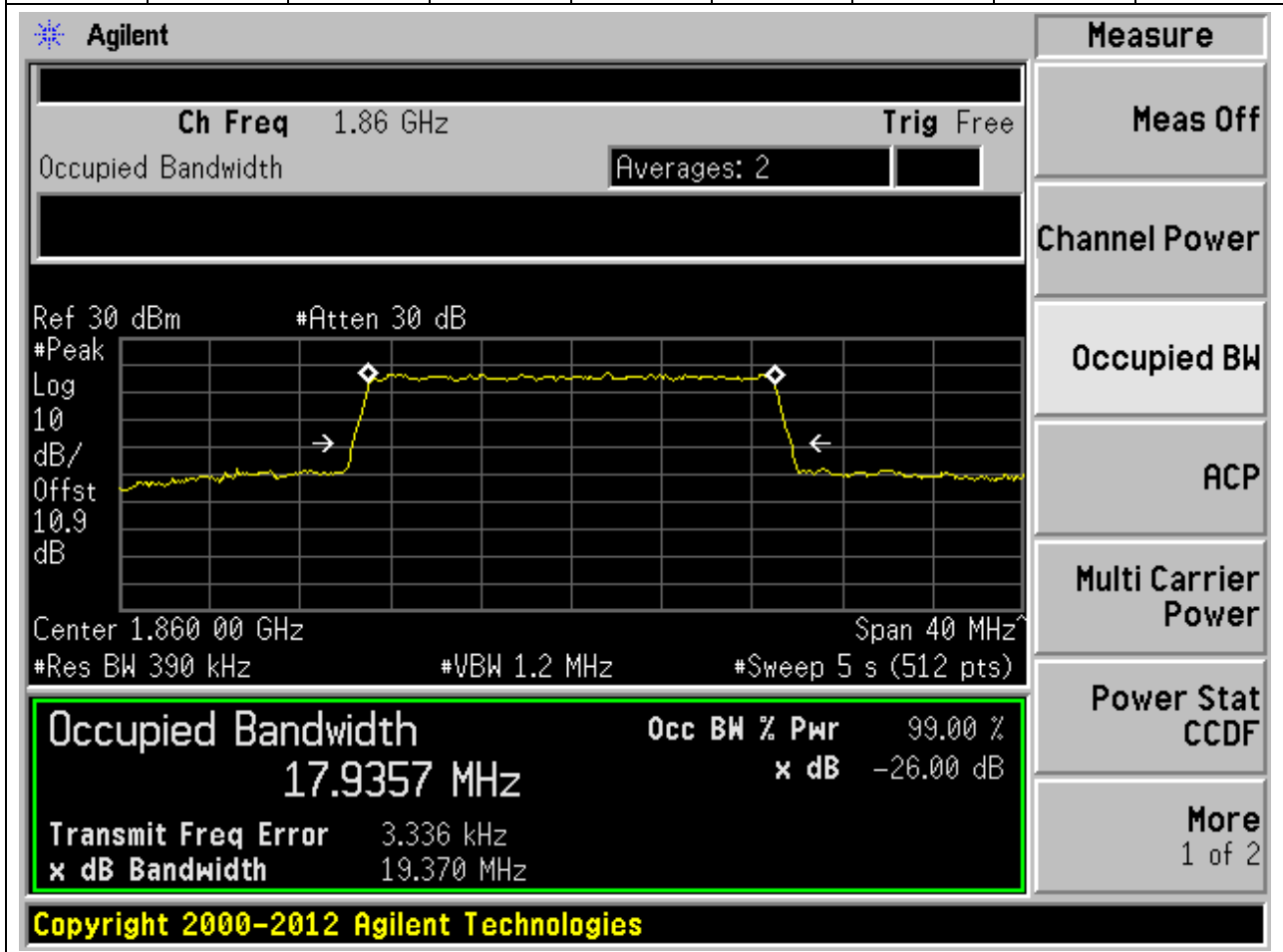
1.30. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:30, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.47	14.653	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.9025 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display is a spectrum plot with a yellow trace showing a signal between approximately 1.902 GHz and 1.903 GHz. The plot includes parameters: 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.9 dB', 'Center 1.902 50 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 13.4704 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -6.684 kHz', and 'x dB Bandwidth 14.653 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'.

1.31. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:31, Channel:18700, 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
1860	99	26	0.39	Peak	17.936	19.37	20	Pass



1.32. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:32, Channel:18700, 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
1860	99	26	0.39	Peak	17.952	19.43	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.86 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 10.9 dB', 'Center 1.860 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 5 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9518 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 38.341 kHz' and 'x dB Bandwidth 19.430 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'.

1.33. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:33, Channel:18900, 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
1880	99	26	0.39	Peak	17.885	19.377	20	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', 'Log 10 dB/Offst 10.8 dB', 'Center 1.880 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 5 s (512 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 17.8855 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 40.075 kHz', and 'x dB Bandwidth 19.377 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'.

1.34. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:34, Channel:18900, 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
1880	99	26	0.39	Peak	17.884	19.483	20	Pass

Agilent
Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.880 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 5 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

17.8845 MHz

Transmit Freq Error 6.281 kHz

x dB Bandwidth 19.483 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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1.35. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:35, Channel:19100, 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
1900	99	26	0.39	Peak	17.934	19.556	20	Pass

Agilent

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

Ch Freq 1.9 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.900 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9343 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.847 kHz	
x dB Bandwidth	19.556 MHz	

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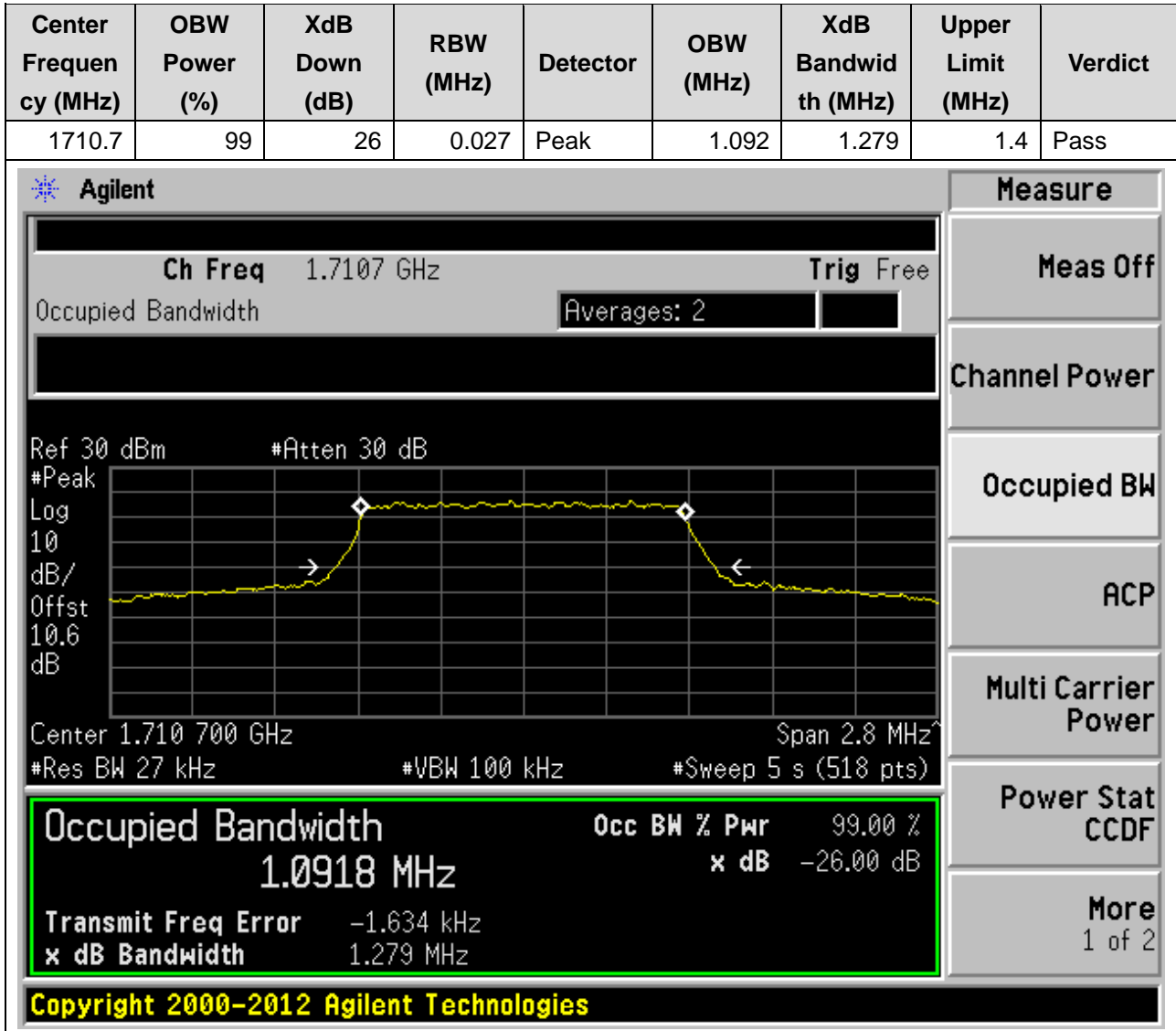
1.36. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:36, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.939	19.446	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.9 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 1.900 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 5 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9386 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 18.403 kHz' and 'x dB Bandwidth 19.446 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. LTE_Band4

2.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:19957, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



2.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:19957, 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
1710.7	99	26	0.027	Peak	1.097	1.293	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7107 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display is a spectrum plot with a yellow trace. The plot shows a flat top with a slight dip in the center, indicating a multi-carrier signal. The y-axis is labeled 'dB/Offst' and the x-axis is 'Span 2.8 MHz'. Below the plot, the following parameters are listed: 'Center 1.710 700 GHz', '#Res BW 27 kHz', '#VBW 100 kHz', and '#Sweep 5 s (518 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 1.0965 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -2.235 kHz', and 'x dB Bandwidth 1.293 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.

2.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:20175, 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
1732.5	99	26	0.027	Peak	1.096	1.294	1.4	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
10.6

dB

Center 1.732 500 GHz
Span 2.8 MHz

#Res BW 27 kHz
#VBW 100 kHz
#Sweep 5 s (518 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0960 MHz	x dB	-26.00 dB
Transmit Freq Error	1.788 kHz	
x dB Bandwidth	1.294 MHz	

Power Stat
CCDF

More
1 of 2

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2.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:20175, 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
1732.5	99	26	0.027	Peak	1.087	1.267	1.4	Pass

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.732 500 GHz Span 2.8 MHz

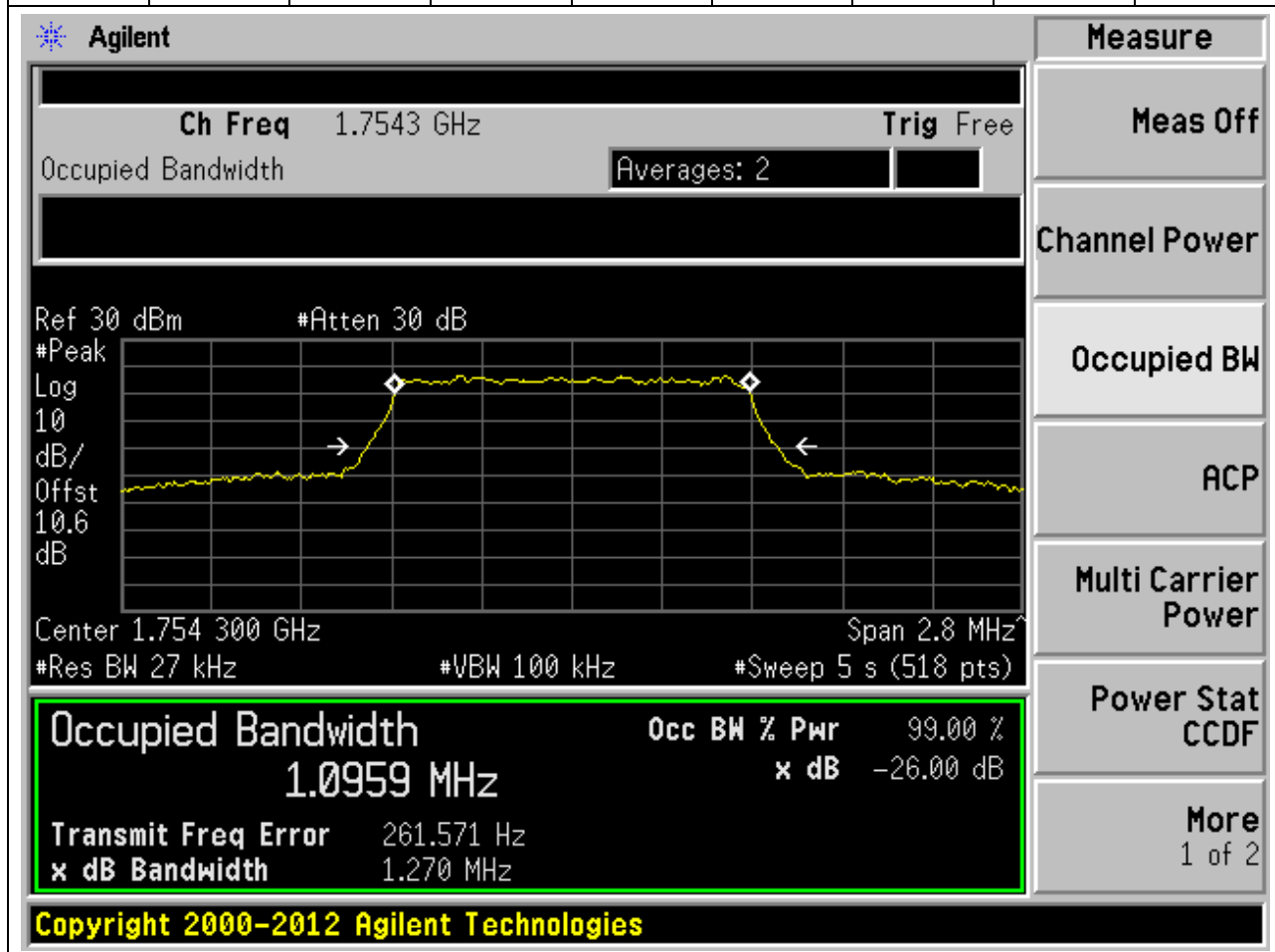
#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0866 MHz	x dB	-26.00 dB
Transmit Freq Error	134.379 Hz	
x dB Bandwidth	1.267 MHz	

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2.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:20393, 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
1754.3	99	26	0.027	Peak	1.096	1.27	1.4	Pass



2.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:20393, 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
1754.3	99	26	0.027	Peak	1.091	1.273	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.7543 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a 30 dB attenuator, a resolution bandwidth of 27 kHz, and a video bandwidth of 100 kHz. The span is 2.8 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 1.0911 MHz, which is 99.00% of the 1.1 MHz channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -660.026 Hz, and the XdB bandwidth is 1.273 MHz. 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'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

2.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:19965, 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
1711.5	99	26	0.062	Peak	2.699	2.974	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7115 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', '10.6 dB', 'Center 1.711 500 GHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 5 s (483 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 2.6987 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 653.657 Hz', and 'x dB Bandwidth 2.974 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.

2.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:19965, 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
1711.5	99	26	0.062	Peak	2.7	3.01	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 1.7115 GHz and a span of 6 MHz. The vertical axis is labeled 'dB/Offst' with a value of 10.6 dB. The horizontal axis is labeled 'Center' with a value of 1.711500 GHz. The plot shows a signal with a peak at approximately 1.7115 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.6997 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 5.992 kHz and the 'x dB Bandwidth' is 3.010 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.6997 MHz	99.00 %	-26.00 dB

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2.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:20175, 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
1732.5	99	26	0.062	Peak	2.695	2.982	3	Pass

Agilent

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.732 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6954 MHz	x dB	-26.00 dB
Transmit Freq Error		1.706 kHz
x dB Bandwidth		2.982 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 Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:20175, 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
1732.5	99	26	0.062	Peak	2.691	2.998	3	Pass

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.732 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6908 MHz

x dB -26.00 dB

Transmit Freq Error -714.225 Hz

x dB Bandwidth 2.998 MHz

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2.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:20385, 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
1753.5	99	26	0.062	Peak	2.691	2.987	3	Pass

Agilent

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

Ch Freq 1.7535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.753 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6911 MHz x dB -26.00 dB

Transmit Freq Error -1.238 kHz

x dB Bandwidth 2.987 MHz

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2.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:20385, 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
1753.5	99	26	0.062	Peak	2.686	2.984	3	Pass

Agilent

Ch Freq 1.7535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.753 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6857 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.398 kHz
x dB Bandwidth		2.984 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:19975, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.509	4.924	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 1.7125 GHz. The occupied bandwidth is highlighted in a green box with the following data:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5094 MHz	x dB	-26.00 dB
Transmit Freq Error		4.790 kHz
x dB Bandwidth		4.924 MHz

Other parameters shown include: Ch Freq 1.7125 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 10.6 dB, Center 1.712 500 GHz, Span 10 MHz, #Res BW 100 kHz, #VBW 300 kHz, #Sweep 5 s (500 pts).

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2.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:19975, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.486	4.936	5	Pass

Agilent

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

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.712 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4858 MHz	x dB	-26.00 dB
Transmit Freq Error	-53.852 Hz	
x dB Bandwidth	4.936 MHz	

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2.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:20175, 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
1732.5	99	26	0.1	Peak	4.496	4.926	5	Pass

Agilent
Measure

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.6

dB

Center 1.732 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4959 MHz	x dB	-26.00 dB
Transmit Freq Error	2.392 kHz	
x dB Bandwidth	4.926 MHz	

Power Stat
CCDF

More
1 of 2

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2.16. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:20175, 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
1732.5	99	26	0.1	Peak	4.503	4.93	5	Pass

Agilent
Measure

Ch Freq 1.7325 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

10.6

dB

Center 1.732 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5026 MHz	x dB	-26.00 dB
Transmit Freq Error	841.764 Hz	
x dB Bandwidth	4.930 MHz	

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2.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:20375, 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
1752.5	99	26	0.1	Peak	4.486	4.904	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7525 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 10.6 dB', 'Center 1.752 500 GHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4864 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 3.392 kHz', and 'x dB Bandwidth 4.904 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'.

2.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:20375, 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
1752.5	99	26	0.1	Peak	4.512	4.96	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7525 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 10.6 dB'. The center frequency is 1.7525 GHz and the span is 10 MHz. The resolution bandwidth (Res BW) is 100 kHz, the video bandwidth (VBW) is 300 kHz, and the sweep time is 5 s (500 pts). The plot shows a signal with a flat top and sloped sides, indicating a carrier signal. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.5117 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 6.474 kHz' and 'x dB Bandwidth 4.960 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 the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

2.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:20000, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.971	9.828	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.715 GHz, and the span is 20 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 8.9709 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is 5.307 kHz, and the XdB bandwidth is 9.828 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 displays the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9709 MHz	x dB	-26.00 dB
Transmit Freq Error	5.307 kHz	
x dB Bandwidth	9.828 MHz	

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2.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:20000, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.944	9.764	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.715 00 GHz Span 20 MHz
 #Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9438 MHz	x dB -26.00 dB
Transmit Freq Error 7.409 kHz	
x dB Bandwidth 9.764 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

2.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:20175, 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
1732.5	99	26	0.2	Peak	8.96	9.771	10	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', '10.6 dB', 'Center 1.732 50 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9604 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 7.303 kHz' and 'x dB Bandwidth 9.771 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'.

2.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:20175, 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
1732.5	99	26	0.2	Peak	8.963	9.768	10	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 10.6 dB', 'Center 1.732 50 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9632 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 25.458 kHz' and 'x dB Bandwidth 9.768 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'.

2.23. 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	8.968	9.777	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.75 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 10.6 dB', 'Center 1.750 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 5 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9678 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -10.563 kHz', and 'x dB Bandwidth 9.777 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

2.24. 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	8.952	9.805	10	Pass

Agilent

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

Ch Freq 1.75 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.750 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9520 MHz x dB -26.00 dB

Transmit Freq Error -10.435 kHz

x dB Bandwidth 9.805 MHz

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2.25. 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	13.461	14.705	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
10.6

dB

Center 1.717 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4607 MHz	x dB	-26.00 dB
Transmit Freq Error	3.246 kHz	
x dB Bandwidth	14.705 MHz	

Power Stat
CCDF

More
1 of 2

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2.26. 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	13.474	14.758	15	Pass

Agilent

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

Ch Freq 1.7175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.717 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4741 MHz

x dB -26.00 dB

Transmit Freq Error 8.225 kHz

x dB Bandwidth 14.758 MHz

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2.27. 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	13.412	14.678	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 10.6 dB', 'Center 1.732 50 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 5 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 13.4116 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 12.300 kHz' and 'x dB Bandwidth 14.678 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

2.28. 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	13.423	14.605	15	Pass

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.732 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4235 MHz x dB -26.00 dB

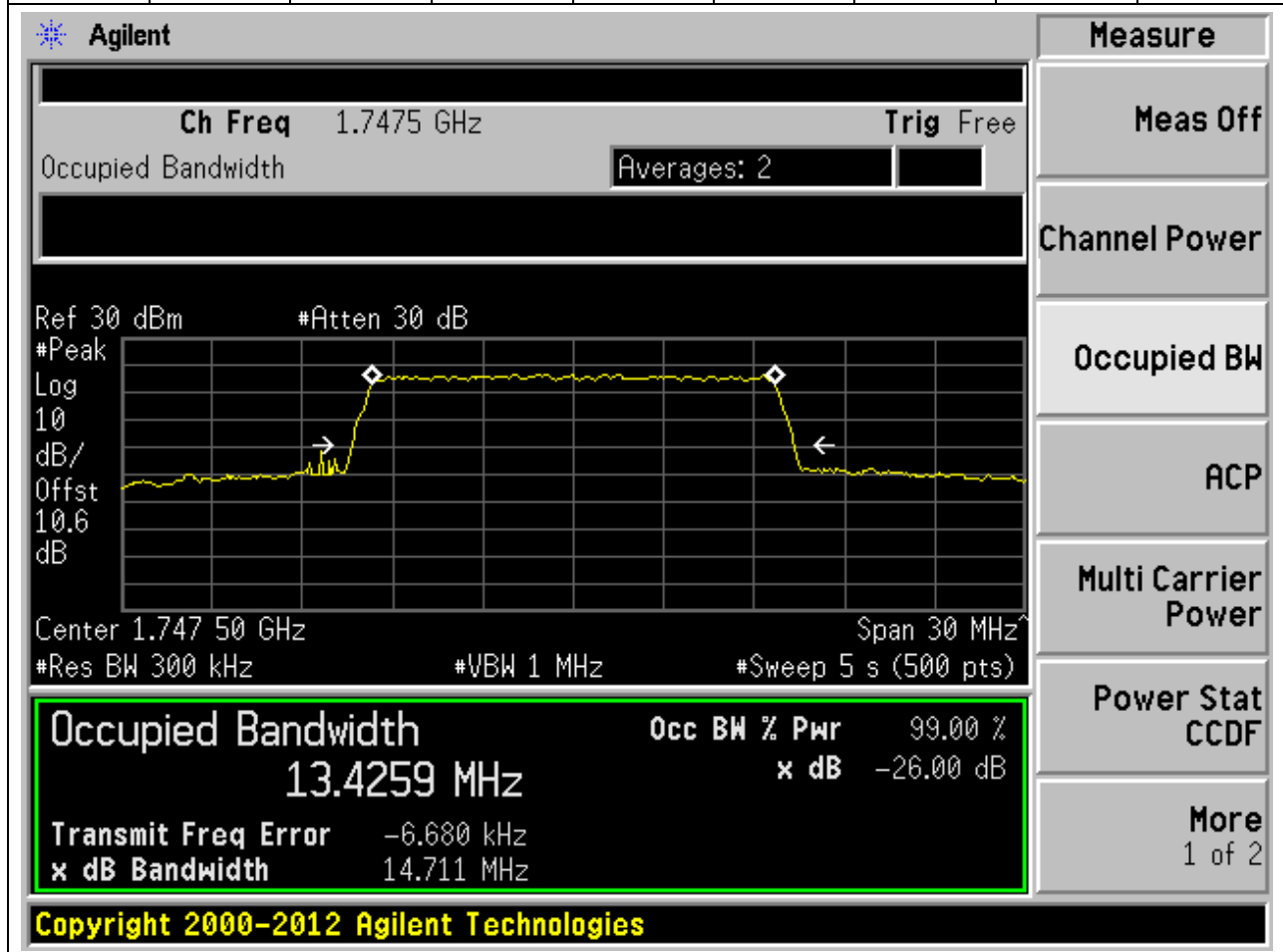
Transmit Freq Error 13.384 kHz

x dB Bandwidth 14.605 MHz

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2.29. 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	13.426	14.711	15	Pass



2.30. 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	13.463	14.663	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.7475 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 30 dBm, #Atten 30 dB, Log 10, dB/Offst 10.6 dB, Center 1.74750 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 1 MHz, and #Sweep 10 s (500 pts). A green box highlights the measurement results: Occupied Bandwidth 13.4630 MHz, Occ BW % Pwr 99.00%, x dB -26.00 dB, Transmit Freq Error -5.871 kHz, and x dB Bandwidth 14.663 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.

2.31. 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	17.915	19.379	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.72 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 10.6 dB', 'Center 1.720 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 5 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9152 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 10.013 kHz' and 'x dB Bandwidth 19.379 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

2.32. 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	17.966	19.438	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.72 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 10.6 dB', 'Center 1.720 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 5 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9665 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 30.048 kHz' and 'x dB Bandwidth 19.438 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

2.33. 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	17.914	19.378	20	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', '10.6 dB', 'Center 1.732 50 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 5 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9139 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 54.030 kHz' and 'x dB Bandwidth 19.378 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'.

2.34. 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	17.931	19.467	20	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
10.6

dB

Center 1.732 50 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9308 MHz	x dB	-26.00 dB
Transmit Freq Error	31.764 kHz	
x dB Bandwidth	19.467 MHz	

Power Stat
CCDF

More
1 of 2

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2.35. 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	17.935	19.787	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', '10.6 dB', 'Center 1.745 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 5 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9353 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 7.645 kHz' and 'x dB Bandwidth 19.787 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

2.36. 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	17.909	19.373	20	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.745 00 GHz Span 40 MHz

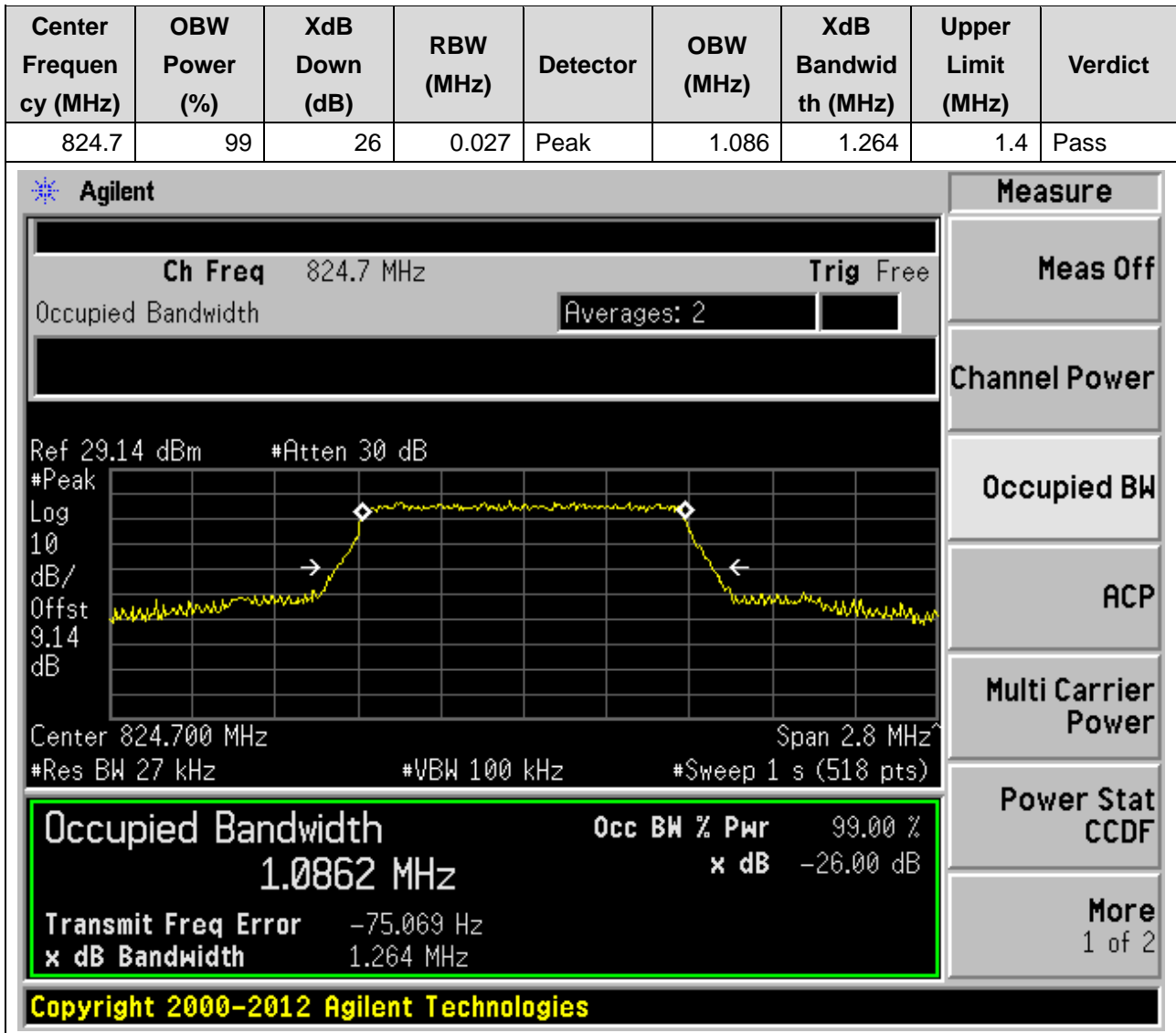
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9092 MHz	x dB	-26.00 dB
Transmit Freq Error	25.521 kHz	
x dB Bandwidth	19.373 MHz	

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3. LTE_Band5

3.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:20407, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



3.2. 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	1.094	1.276	1.4	Pass

Agilent
Measure

Ch Freq 824.7 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.14 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.14

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 %
1.0943 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.753 kHz	
x dB Bandwidth	1.276 MHz	

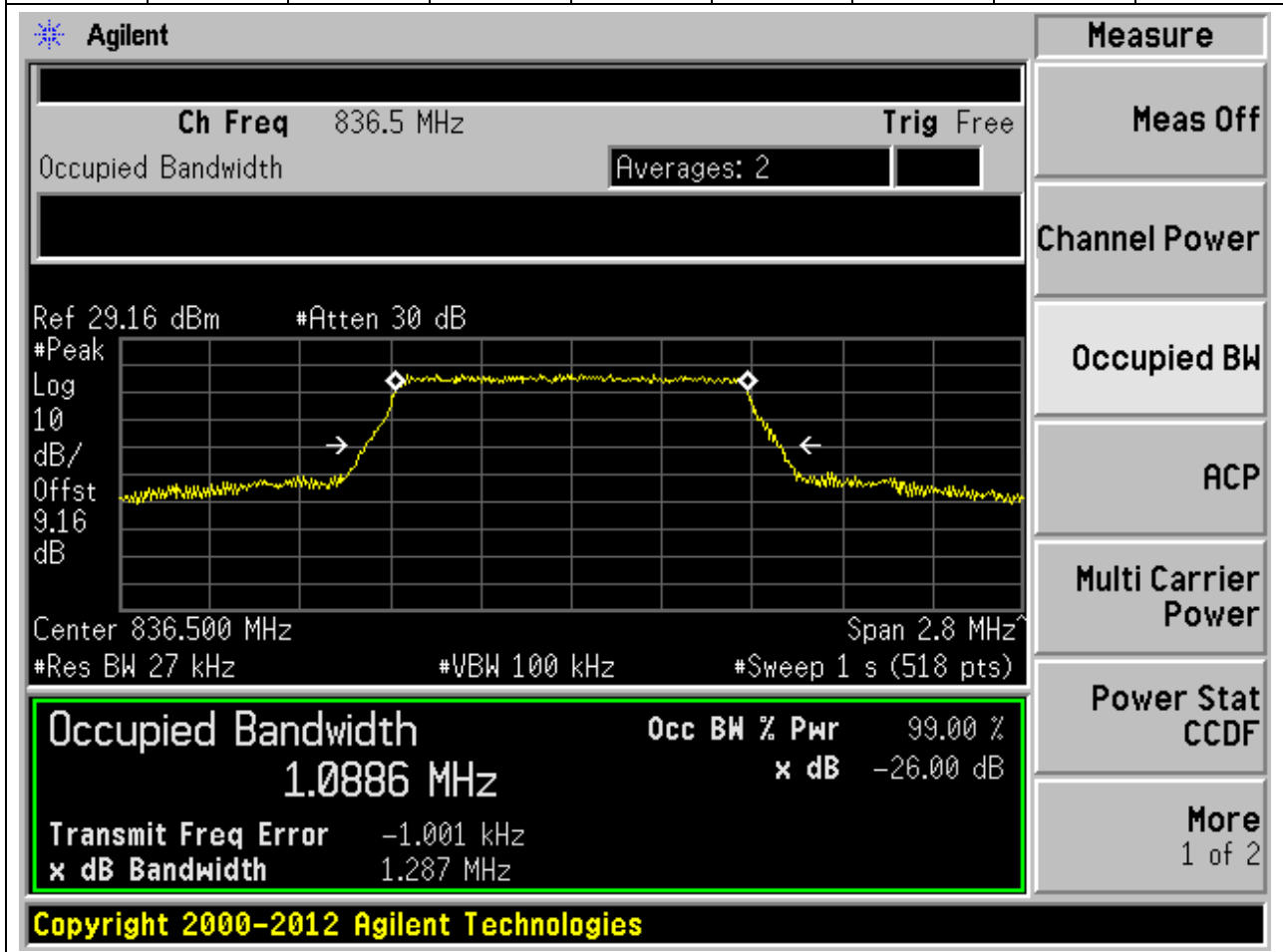
Power Stat
CCDF

More
1 of 2

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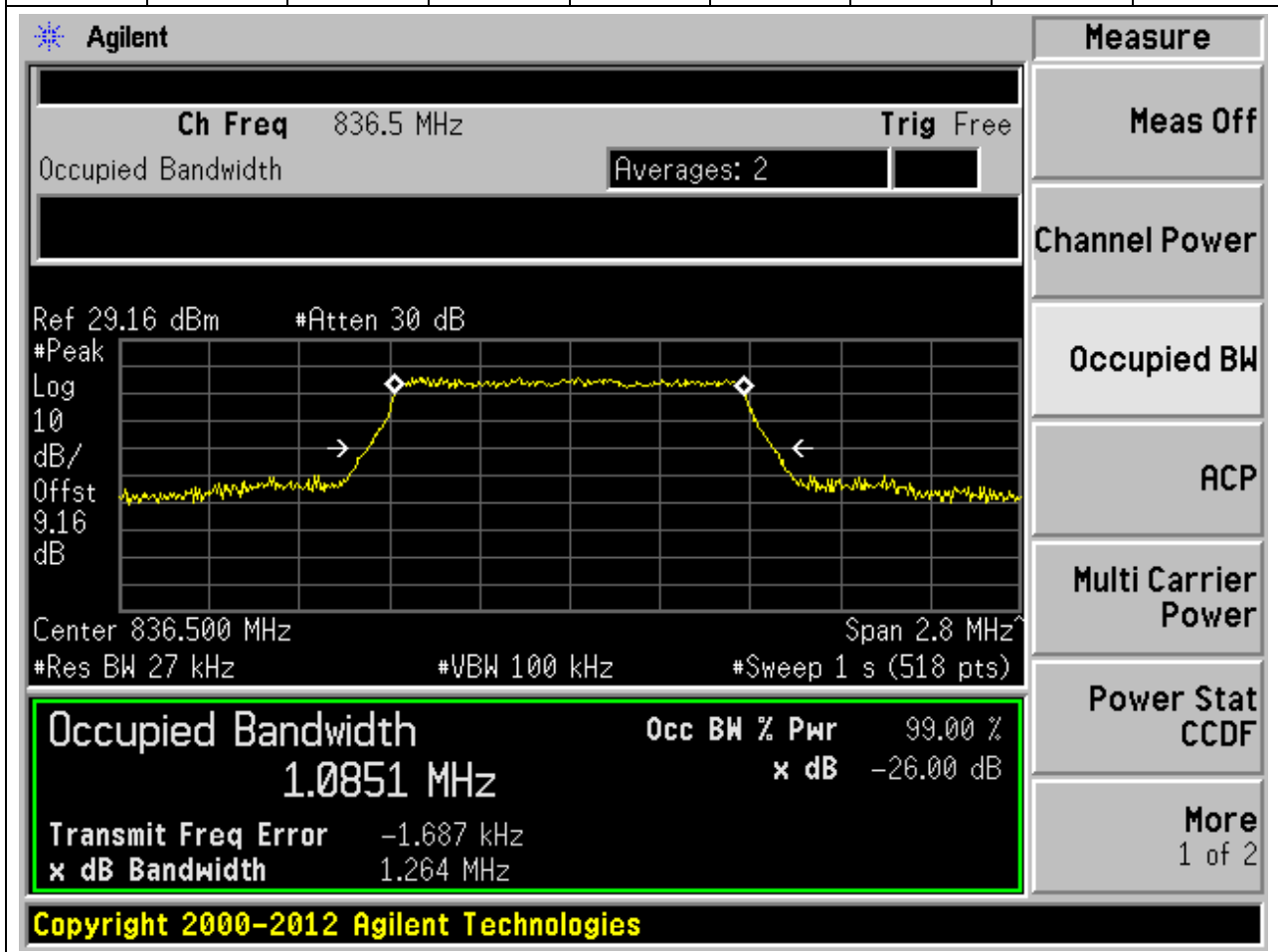
3.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:20525, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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	1.089	1.287	1.4	Pass



3.4. 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	1.264	1.4	Pass



3.5. 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	1.09	1.26	1.4	Pass

Agilent
Measure

Ch Freq 848.3 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.24 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.24

dB

Center 848.300 MHz
Span 2.8 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

1.0900 MHz
x dB -26.00 dB

Transmit Freq Error -1.774 kHz

x dB Bandwidth 1.260 MHz

Power Stat
CCDF

More
1 of 2

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3.6. 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	1.091	1.275	1.4	Pass

Agilent

Measure

Ch Freq 848.3 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.24 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.24

dB

Center 848.300 MHz
Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0910 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.721 kHz	
x dB Bandwidth	1.275 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat

CCDF

More

1 of 2

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3.7. 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	2.688	2.966	3	Pass

Agilent
Measure

Ch Freq 825.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.14 dBm #Atten 30 dB

Center 825.500 MHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

2.6878 MHz

Transmit Freq Error -1.555 kHz

x dB Bandwidth 2.966 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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3.8. 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	2.683	2.96	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 825.5 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 29.14 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.14 dB', 'Center 825.500 MHz', 'Span 6 MHz', '#Res BW 62 kHz', '#VBW 200 kHz', and '#Sweep 1 s (483 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 2.6826 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -20.392 Hz', and 'x dB Bandwidth 2.960 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.

3.9. 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	2.688	2.958	3	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.16 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.16

dB

Center 836.500 MHz
Span 6 MHz

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

Occupied Bandwidth

2.6877 MHz

Transmit Freq Error -1.189 kHz

x dB Bandwidth 2.958 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Power Stat
CCDF

More
1 of 2

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3.10. 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	2.688	2.98	3	Pass

Agilent

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

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 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 Occ BW % Pwr 99.00 %

2.6884 MHz

x dB -26.00 dB

Transmit Freq Error -3.905 kHz

x dB Bandwidth 2.980 MHz

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3.11. 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	2.69	2.965	3	Pass

Agilent

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

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.23 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
9.23
dB

Center 847.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6904 MHz

x dB -26.00 dB

Transmit Freq Error -2.894 kHz

x dB Bandwidth 2.965 MHz

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3.12. 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	2.683	2.968	3	Pass

Agilent

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

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.23 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
9.23
dB

Center 847.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6834 MHz

x dB -26.00 dB

Transmit Freq Error -6.373 kHz

x dB Bandwidth 2.968 MHz

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3.13. 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	4.5	4.894	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.15 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.15

dB

Center 826.500 MHz
Span 10 MHz

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

Occupied Bandwidth

4.5000 MHz

Transmit Freq Error -3.743 kHz

x dB Bandwidth 4.894 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Power Stat
CCDF

More
1 of 2

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3.14. 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	4.49	4.912	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 826.5 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 29.15 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.15 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 4.4898 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 1.253 kHz', and 'x dB Bandwidth 4.912 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'.

3.15. 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	4.496	4.918	5	Pass

Agilent

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

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 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 %

4.4963 MHz x dB -26.00 dB

Transmit Freq Error -2.261 kHz

x dB Bandwidth 4.918 MHz

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3.16. 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	4.495	4.906	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 9.16 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 %
4.4951 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.578 kHz	
x dB Bandwidth	4.906 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

3.17. 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	4.494	4.923	5	Pass

Agilent

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.22 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.22 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 %
4.4937 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.826 kHz	
x dB Bandwidth	4.923 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

3.18. 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	4.489	4.93	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 846.5 MHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 846.500 MHz and a span of 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 second with 500 points. The plot shows a signal with a peak level of 29.22 dBm and an attenuation of 30 dB. The occupied bandwidth is measured as 4.4895 MHz, which is 99.00% of the total bandwidth. The XdB bandwidth is 4.930 MHz, and the XdB down is -26.00 dB. The transmit frequency error is -3.465 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 %
4.4895 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.465 kHz	
x dB Bandwidth	4.930 MHz	

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3.19. 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	8.964	9.801	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 829 MHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include: 'Ref 29.16 dBm', '#Atten 30 dB', '#Peak Log 10 dB/Offst 9.16 dB', 'Center 829.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9639 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 3.269 kHz', and 'x dB Bandwidth 9.801 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.

3.20. 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	8.97	9.721	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 829 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.16 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.16 dB', 'Center 829.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9697 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 5.514 kHz', and 'x dB Bandwidth 9.721 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

3.21. 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	8.933	9.742	10	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.16

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 %
8.9335 MHz	x dB	-26.00 dB
Transmit Freq Error	981.499 Hz	
x dB Bandwidth	9.742 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

3.22. 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	8.945	9.746	10	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.16 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.16

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 %
8.9455 MHz	x dB	-26.00 dB
Transmit Freq Error	1.985 kHz	
x dB Bandwidth	9.746 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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3.23. 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	8.945	9.723	10	Pass

Agilent
Measure

Ch Freq 844 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.2 dBm #Atten 30 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 %
8.9452 MHz	x dB -26.00 dB
Transmit Freq Error -16.065 kHz	
x dB Bandwidth 9.723 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

3.24. 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	8.945	9.785	10	Pass

Agilent

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

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.2 dBm #Atten 30 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 %

8.9453 MHz x dB -26.00 dB

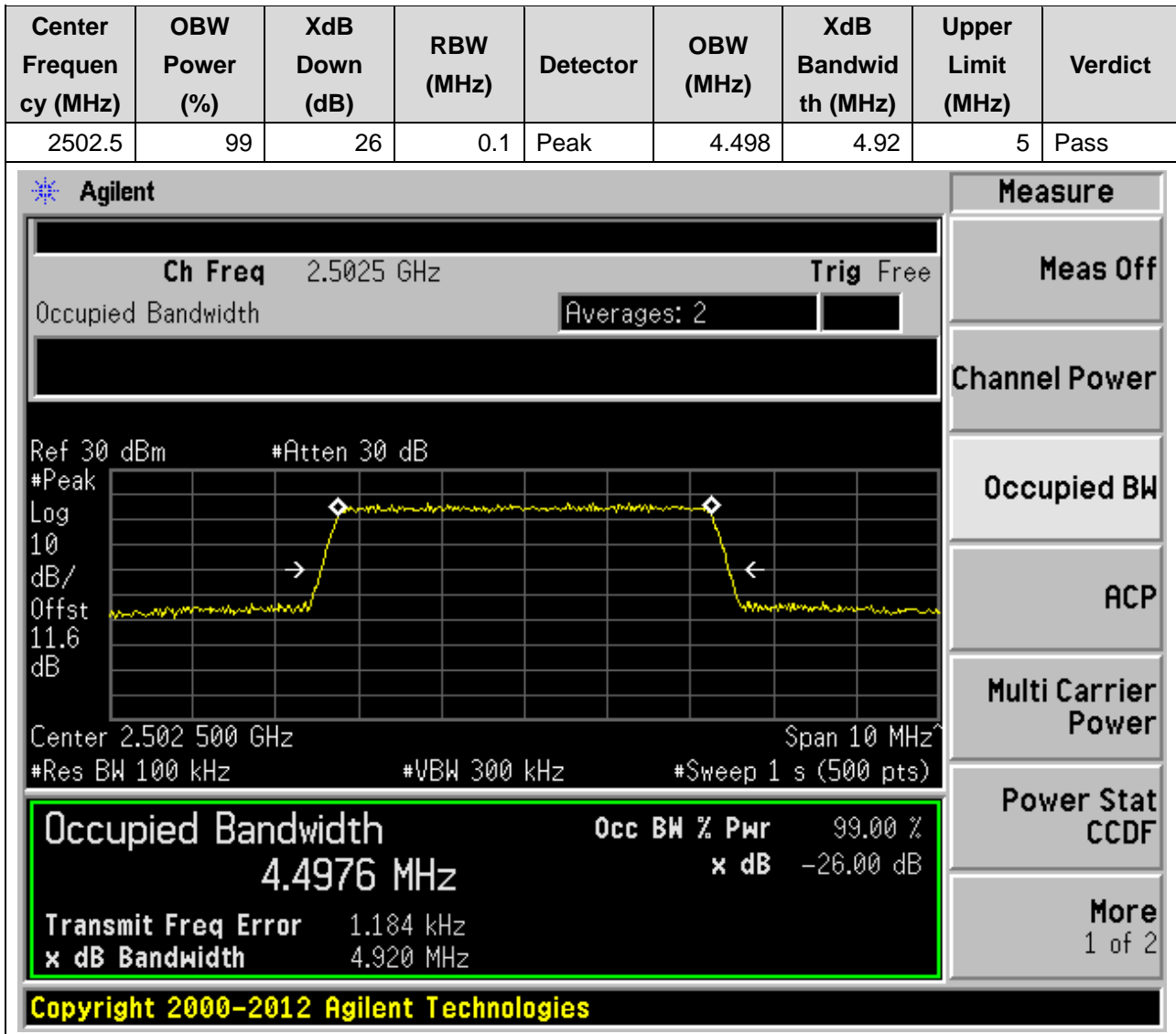
Transmit Freq Error -20.741 kHz

x dB Bandwidth 9.785 MHz

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4. LTE_Band7

4.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



4.2. 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	4.485	4.91	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 2.5025 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include a reference level of 30 dBm, a peak level of 10 dB, and an offset of 11.6 dB. The center frequency is 2.5025 GHz, the span is 10 MHz, the resolution bandwidth is 100 kHz, the video bandwidth is 300 kHz, and the sweep time is 1 second. The measurement results are highlighted in a green box:

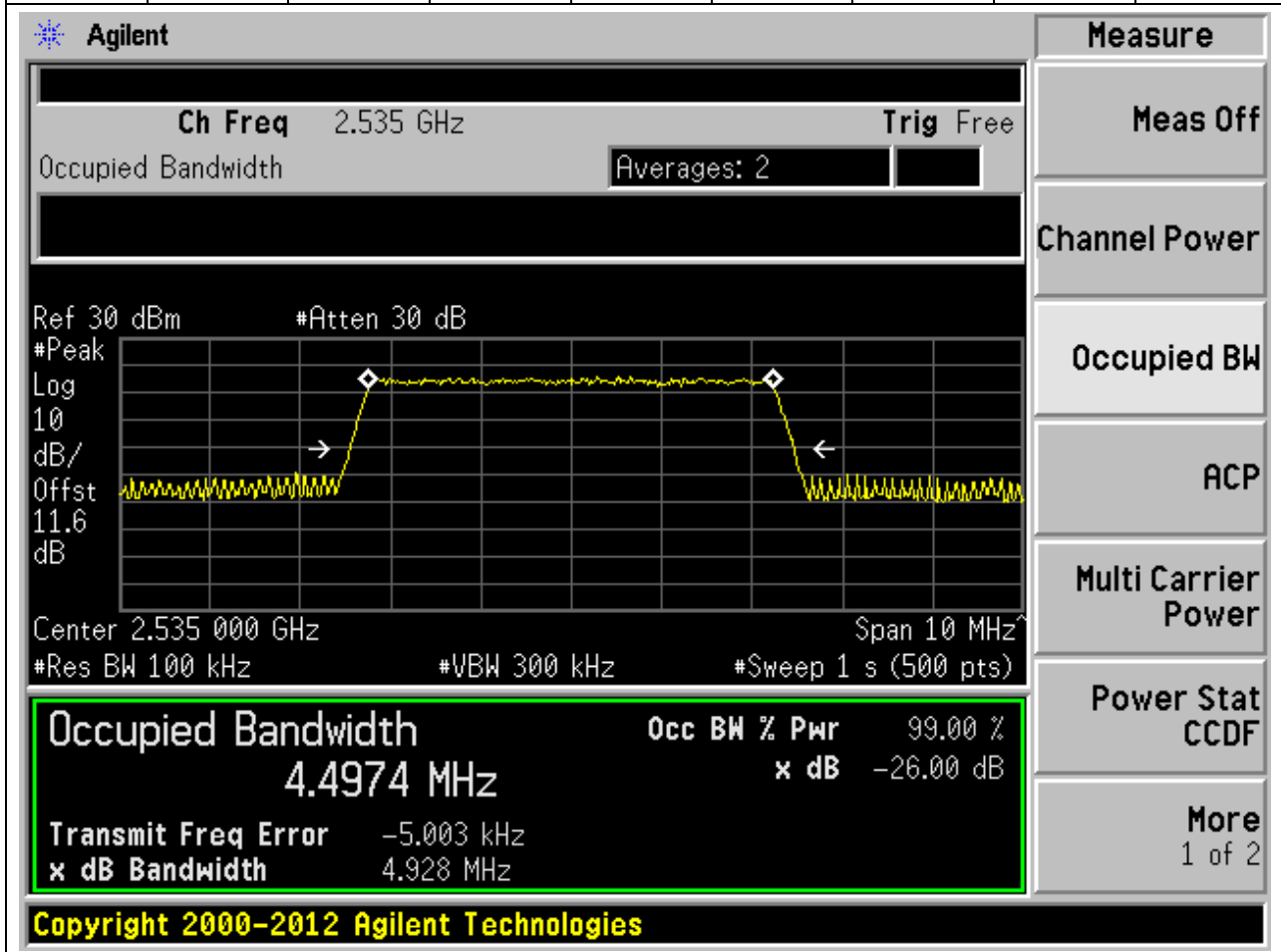
Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4854 MHz	x dB	-26.00 dB
Transmit Freq Error		2.668 kHz
x dB Bandwidth		4.910 MHz

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

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4.3. 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	4.497	4.928	5	Pass



4.4. 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	4.505	4.903	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 2.535 GHz with a span of 10 MHz. The y-axis is labeled 'dB/Offst' with a value of 11.6 dB. The plot shows a flat top with two diamond markers indicating the occupied bandwidth limits. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 4.5047 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -1.283 kHz and the 'x dB Bandwidth' is 4.903 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5047 MHz	99.00 %	-26.00 dB

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4.5. 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	4.496	4.894	5	Pass

Agilent

Measure

Ch Freq 2.5675 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.9

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 %
4.4956 MHz	x dB	-26.00 dB
Transmit Freq Error		2.316 kHz
x dB Bandwidth		4.894 MHz

Power Stat
CCDF

More
1 of 2

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4.6. 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	4.497	4.931	5	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 below the spectrum:

Occupied Bandwidth	Occ BW % Pwr	X dB
4.4966 MHz	99.00 %	-26.00 dB

Additional parameters shown in the interface include:

- Ch Freq: 2.5675 GHz
- Trig: Free
- Averages: 2
- Ref: 30 dBm, #Atten: 30 dB
- Log: 10 dB/Offst: 11.9 dB
- Center: 2.567 500 GHz, Span: 10 MHz
- #Res BW: 100 kHz, #VBW: 300 kHz, #Sweep: 1 s (500 pts)

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4.7. 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	8.966	9.795	10	Pass

Agilent
Measure

Ch Freq 2.505 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.505 00 GHz Span 20 MHz
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9662 MHz	x dB	-26.00 dB
Transmit Freq Error	12.787 kHz	
x dB Bandwidth	9.795 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.8. 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	8.972	9.717	10	Pass

Agilent
Measure

Ch Freq 2.505 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.505 00 GHz Span 20 MHz
#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9716 MHz	x dB	-26.00 dB
Transmit Freq Error	19.360 kHz	
x dB Bandwidth	9.717 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

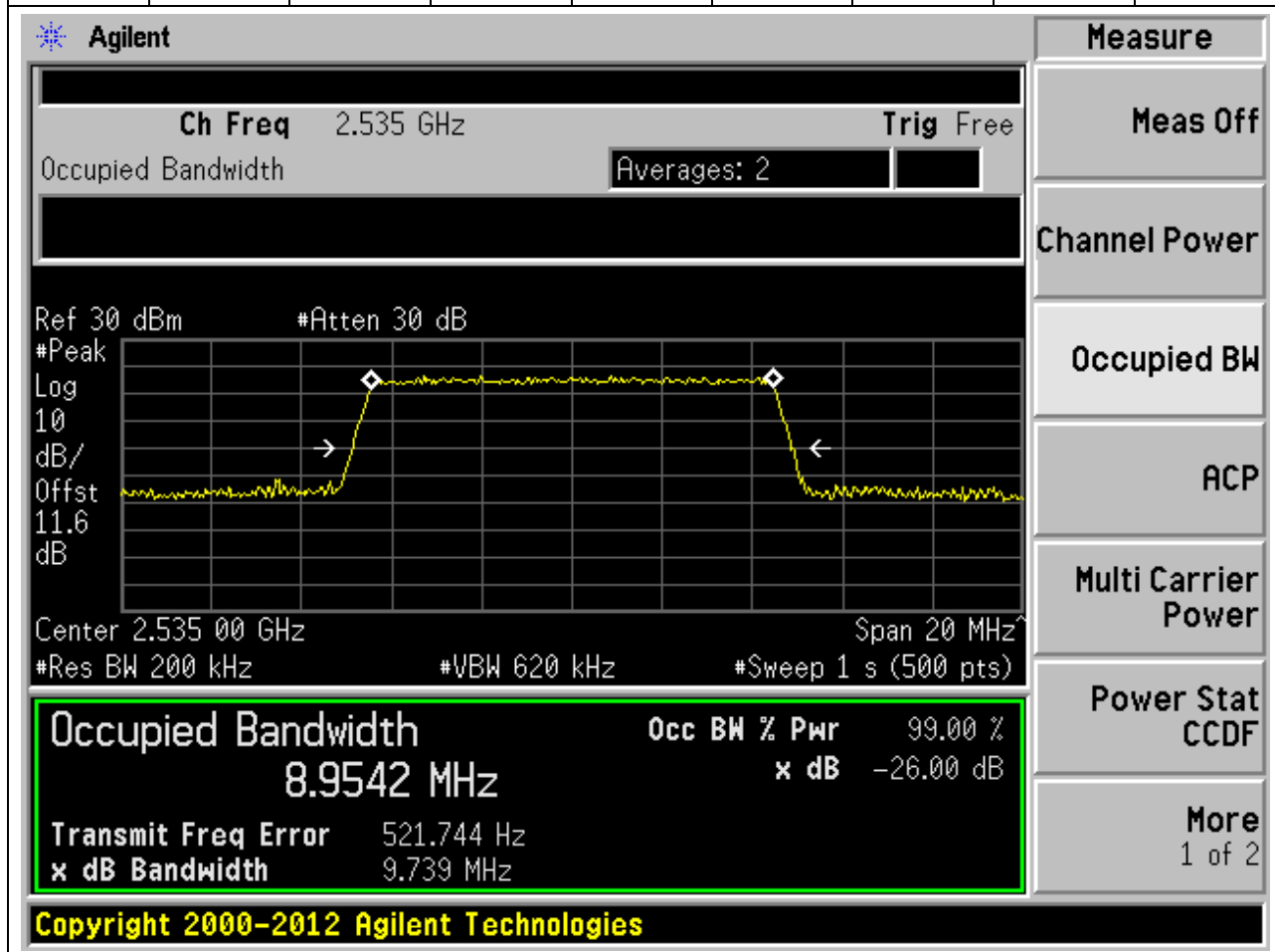
Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.9. 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	8.954	9.739	10	Pass



4.10. 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	8.959	9.762	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 11.6 dB

Center 2.535 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

8.9593 MHz

Transmit Freq Error 3.386 kHz

x dB Bandwidth 9.762 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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4.11. 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	8.963	9.77	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 2.565 GHz and the span is 20 MHz. The occupied bandwidth is highlighted in a green box with the following data:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9631 MHz	x dB	-26.00 dB
Transmit Freq Error		-6.323 kHz
x dB Bandwidth		9.770 MHz

Additional parameters shown in the interface include: Ch Freq 2.565 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 11.9 dB, Center 2.565 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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4.12. 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	8.949	9.743	10	Pass

Agilent

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.9 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 %
8.9492 MHz	x dB	-26.00 dB
Transmit Freq Error		-13.509 kHz
x dB Bandwidth		9.743 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 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	13.428	14.624	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 2.5075 GHz. The occupied bandwidth is highlighted in a green box with the following data:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4282 MHz	x dB	-26.00 dB
Transmit Freq Error		12.359 kHz
x dB Bandwidth		14.624 MHz

Other visible parameters include: Ch Freq 2.5075 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 11.5 dB, Center 2.5075 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 1 MHz, #Sweep 1 s (500 pts).

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4.14. 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	13.442	14.595	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5075 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 11.5 dB', 'Center 2.50750 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 13.4418 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 2.452 kHz' and 'x dB Bandwidth 14.595 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

4.15. 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	13.422	14.568	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.535 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Peak Log 10 dB/Offst 11.6 dB', '#Atten 30 dB', 'Center 2.535 00 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 13.4221 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 5.345 kHz', and 'x dB Bandwidth 14.568 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.

4.16. 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	13.429	14.554	15	Pass

Agilent
Measure

Ch Freq 2.535 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

11.6

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 %
13.4288 MHz	x dB	-26.00 dB
Transmit Freq Error		2.598 kHz
x dB Bandwidth		14.554 MHz

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4.17. 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	13.405	14.675	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is set to a center frequency of 2.5625 GHz and a span of 30 MHz. The trace shows a flat top with a slight dip in the center, indicating a signal with a defined bandwidth. The measurement results are summarized in a table below the plot:

Occupied Bandwidth	Occ BW % Pwr	X dB
13.4054 MHz	99.00 %	-26.00 dB

Additional parameters shown in the screenshot include: Ch Freq 2.5625 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11.8 dB, Center 2.5625 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 1 MHz, #Sweep 1 s (500 pts), Transmit Freq Error -17.768 kHz, and x dB Bandwidth 14.675 MHz. 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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4.18. 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	13.434	14.567	15	Pass

Agilent
Measure

Ch Freq 2.5625 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

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 %
13.4336 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.733 kHz	
x dB Bandwidth	14.567 MHz	

Power Stat
CCDF

More
1 of 2

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4.19. 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	17.869	19.246	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
11.5

dB

Center 2.510 00 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8693 MHz	x dB	-26.00 dB
Transmit Freq Error	19.753 kHz	
x dB Bandwidth	19.246 MHz	

Power Stat
CCDF

More
1 of 2

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4.20. 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	17.923	19.35	20	Pass

Agilent

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

Ch Freq 2.51 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.510 00 GHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9230 MHz	x dB	-26.00 dB
Transmit Freq Error	43.276 kHz	
x dB Bandwidth	19.350 MHz	

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4.21. 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	17.898	19.348	20	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
11.6

dB

Center 2.535 00 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8979 MHz	x dB	-26.00 dB
Transmit Freq Error	16.248 kHz	
x dB Bandwidth	19.348 MHz	

Power Stat
CCDF

More
1 of 2

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4.22. 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	17.91	19.399	20	Pass

Agilent

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

Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.535 00 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9105 MHz x dB -26.00 dB

Transmit Freq Error 3.923 kHz

x dB Bandwidth 19.399 MHz

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4.23. 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	17.909	19.422	20	Pass

Agilent

Measure

Ch Freq 2.56 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

dB

Center 2.560 00 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9086 MHz	x dB	-26.00 dB
Transmit Freq Error	-16.175 kHz	
x dB Bandwidth	19.422 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

4.24. 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	17.874	19.277	20	Pass

Agilent

Ch Freq 2.56 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.8 dB

Center 2.560 00 GHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8740 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.813 kHz
x dB Bandwidth		19.277 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

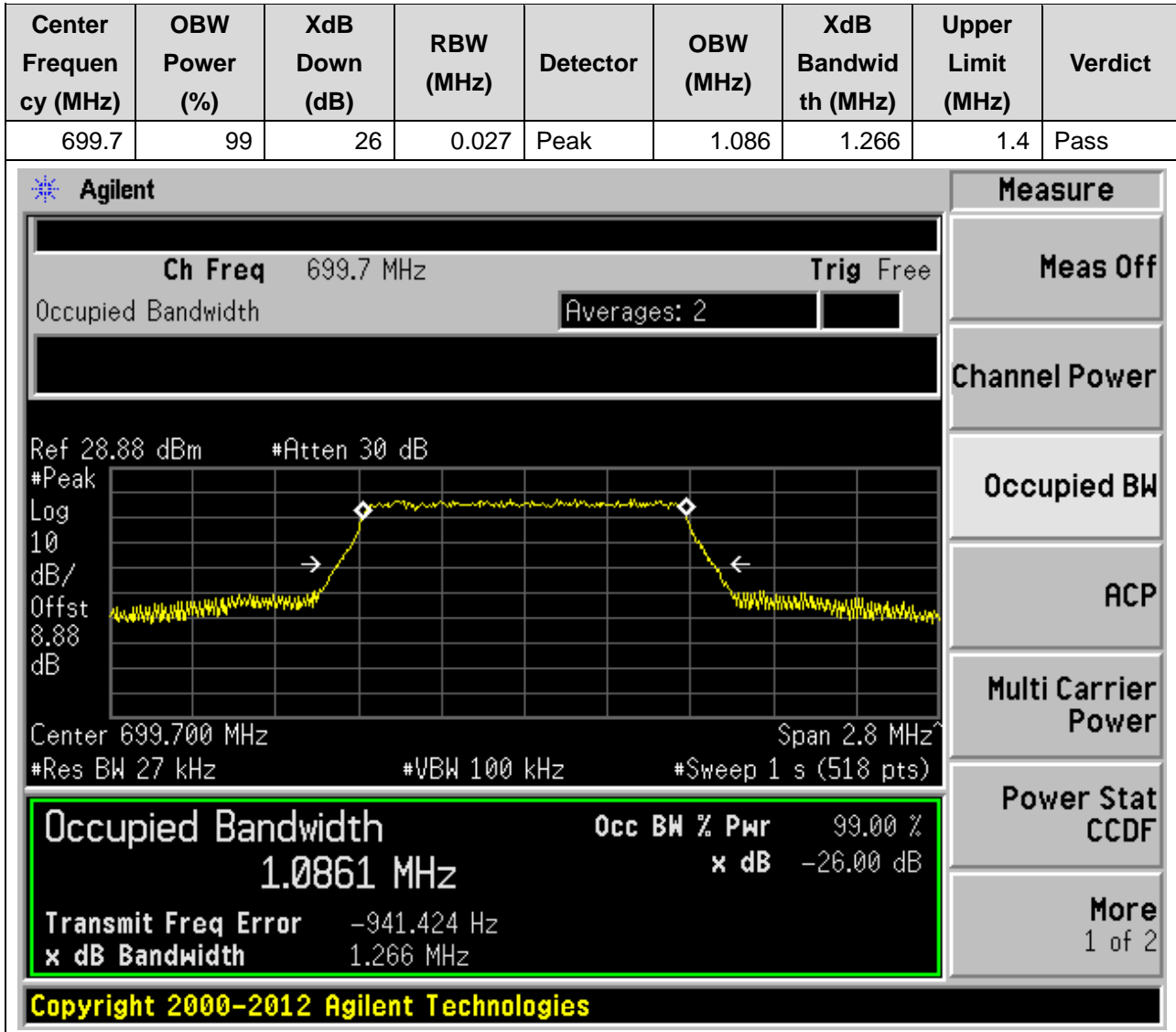
Multi Carrier Power

Power Stat CCDF

More 1 of 2

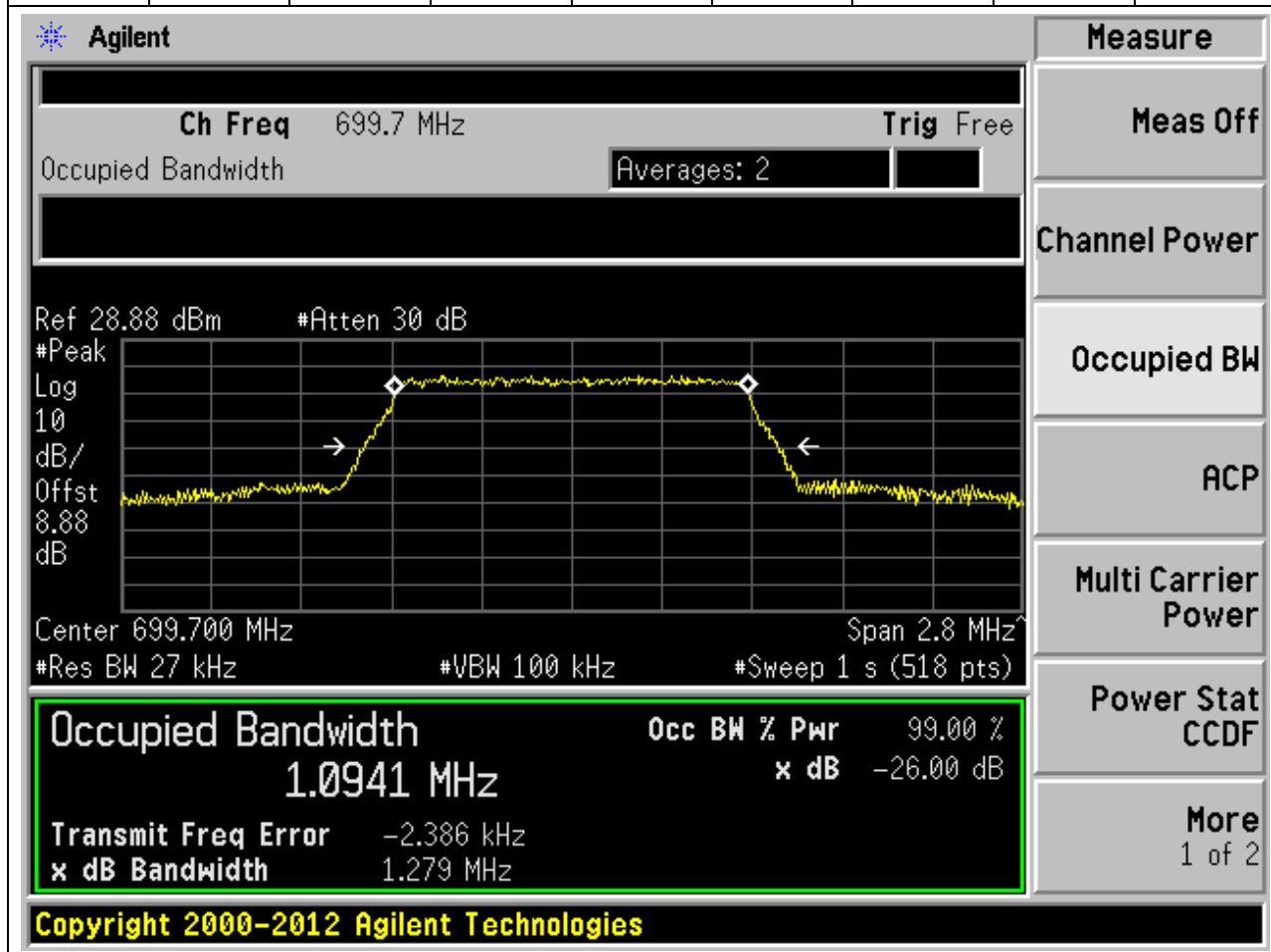
5. LTE_Band12

5.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:23017, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



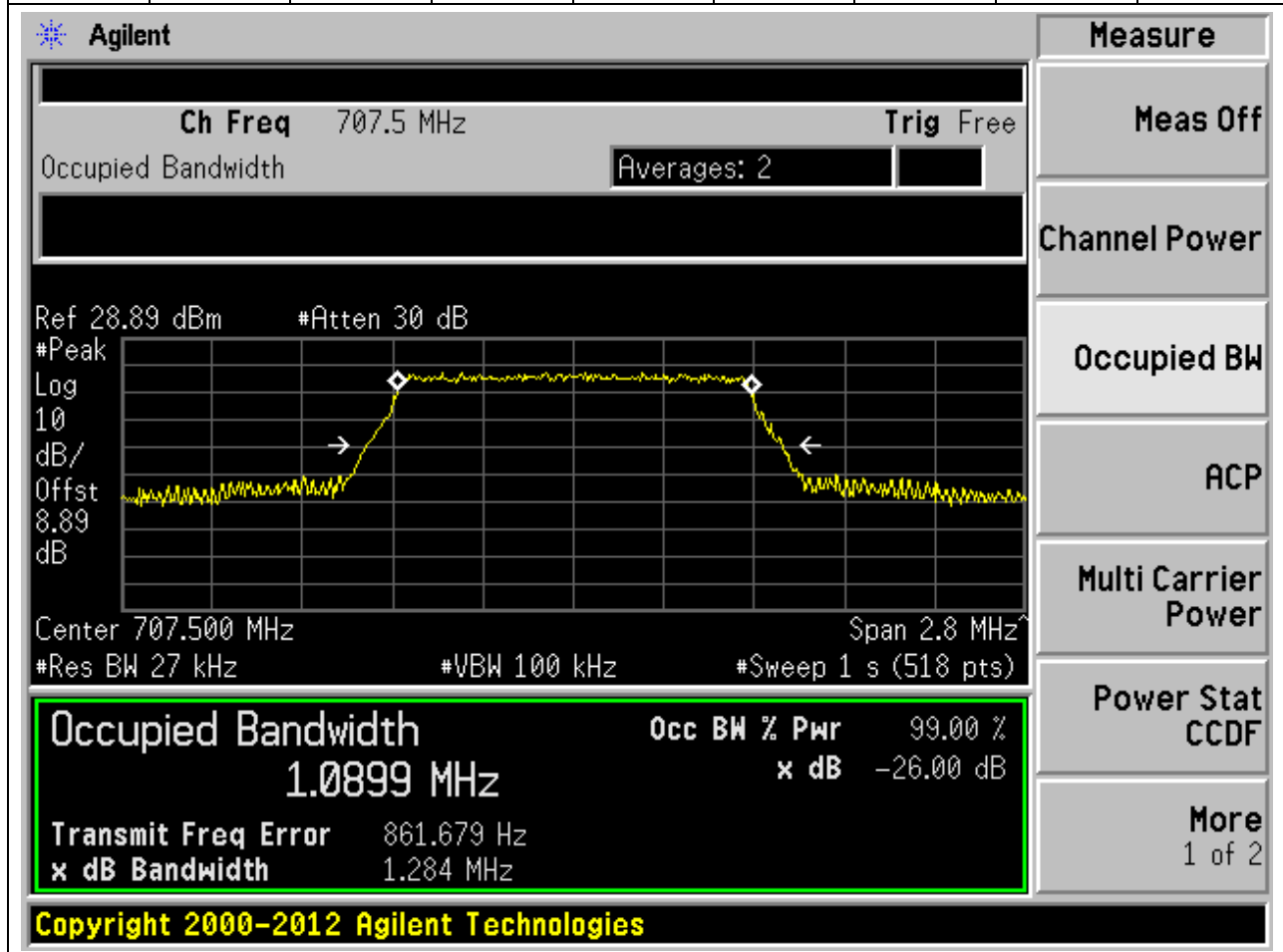
5.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:23017, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

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	1.094	1.279	1.4	Pass



5.3. 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	1.09	1.284	1.4	Pass



5.4. 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	1.085	1.264	1.4	Pass

Agilent

Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.89 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.89

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 %
1.0850 MHz	x dB	-26.00 dB
Transmit Freq Error		-532.477 Hz
x dB Bandwidth		1.264 MHz

Power Stat
CCDF

More
1 of 2

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5.5. 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	1.092	1.259	1.4	Pass

Agilent

Measure

Ch Freq 715.3 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 28.89 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.89

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 %
1.0924 MHz	x dB	-26.00 dB
Transmit Freq Error		-320.456 Hz
x dB Bandwidth		1.259 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

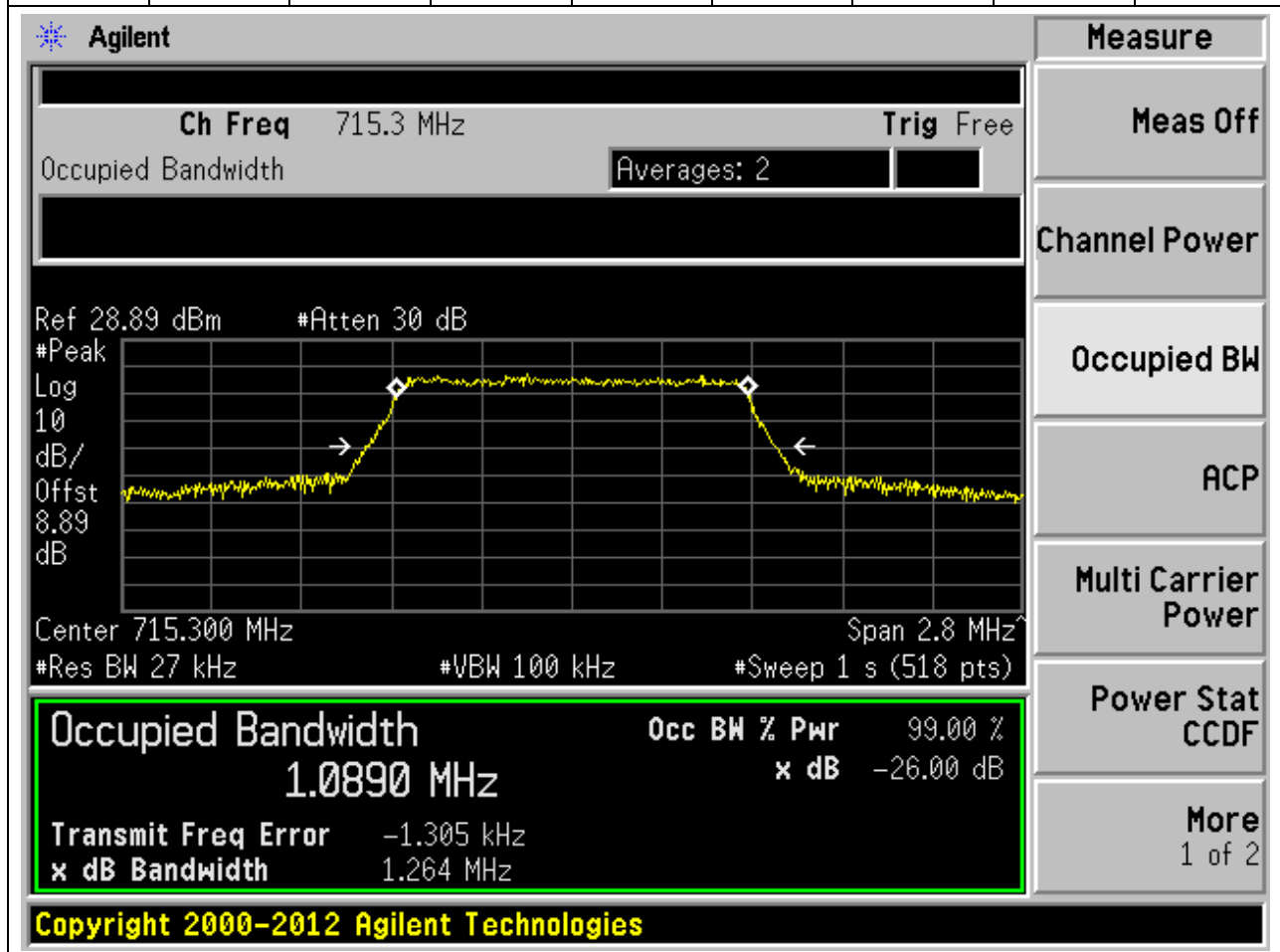
Power Stat CCDF

More
1 of 2

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5.6. 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	1.089	1.264	1.4	Pass



5.7. 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	2.688	2.961	3	Pass

Agilent
Measure

Ch Freq 700.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.88 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.88

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 %
2.6884 MHz	x dB -26.00 dB
Transmit Freq Error 1.741 kHz	
x dB Bandwidth 2.961 MHz	

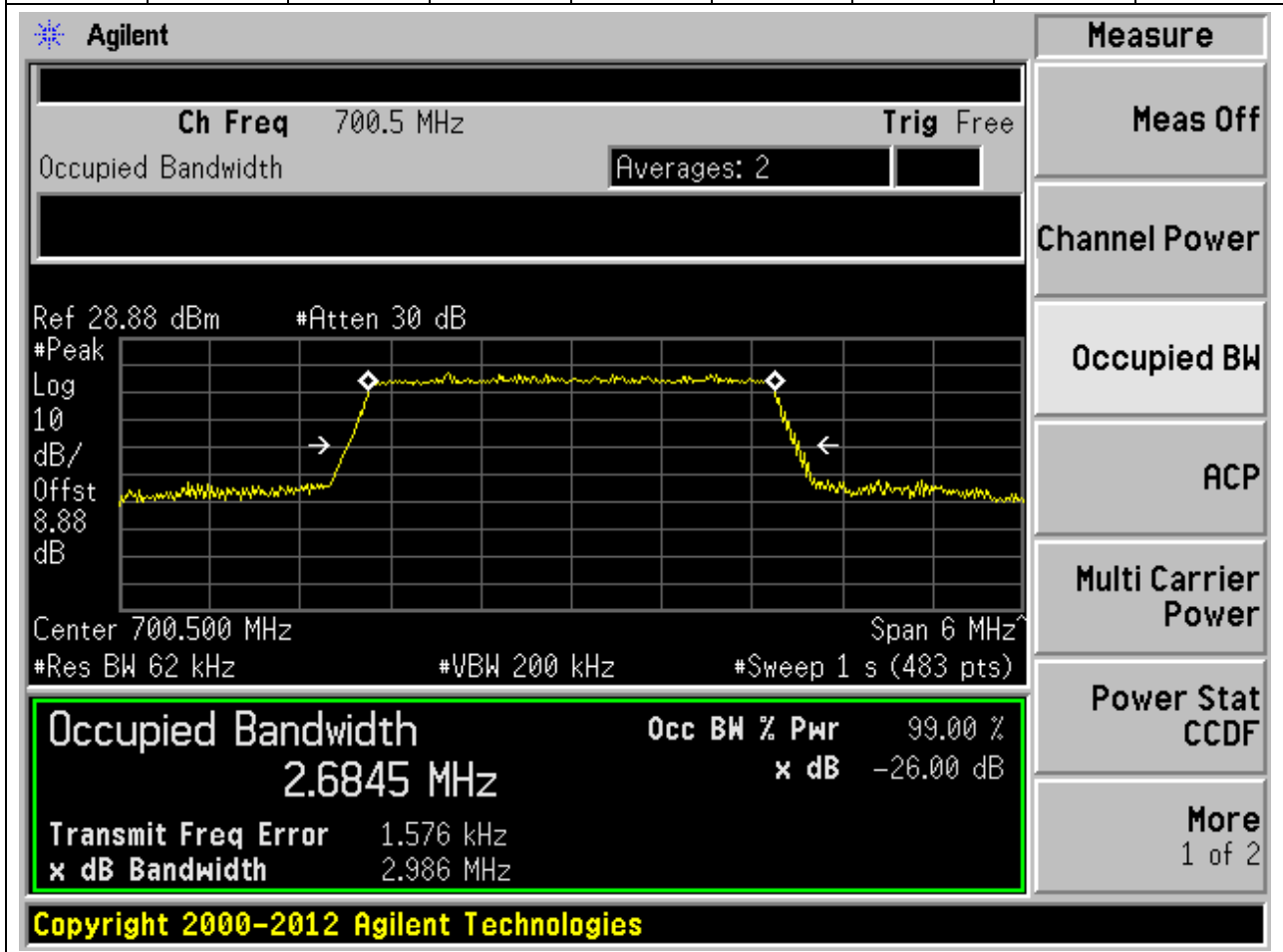
Power Stat
CCDF

More
1 of 2

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5.8. 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	2.684	2.986	3	Pass



5.9. 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	2.687	2.961	3	Pass

Agilent
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

Center 707.500 MHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

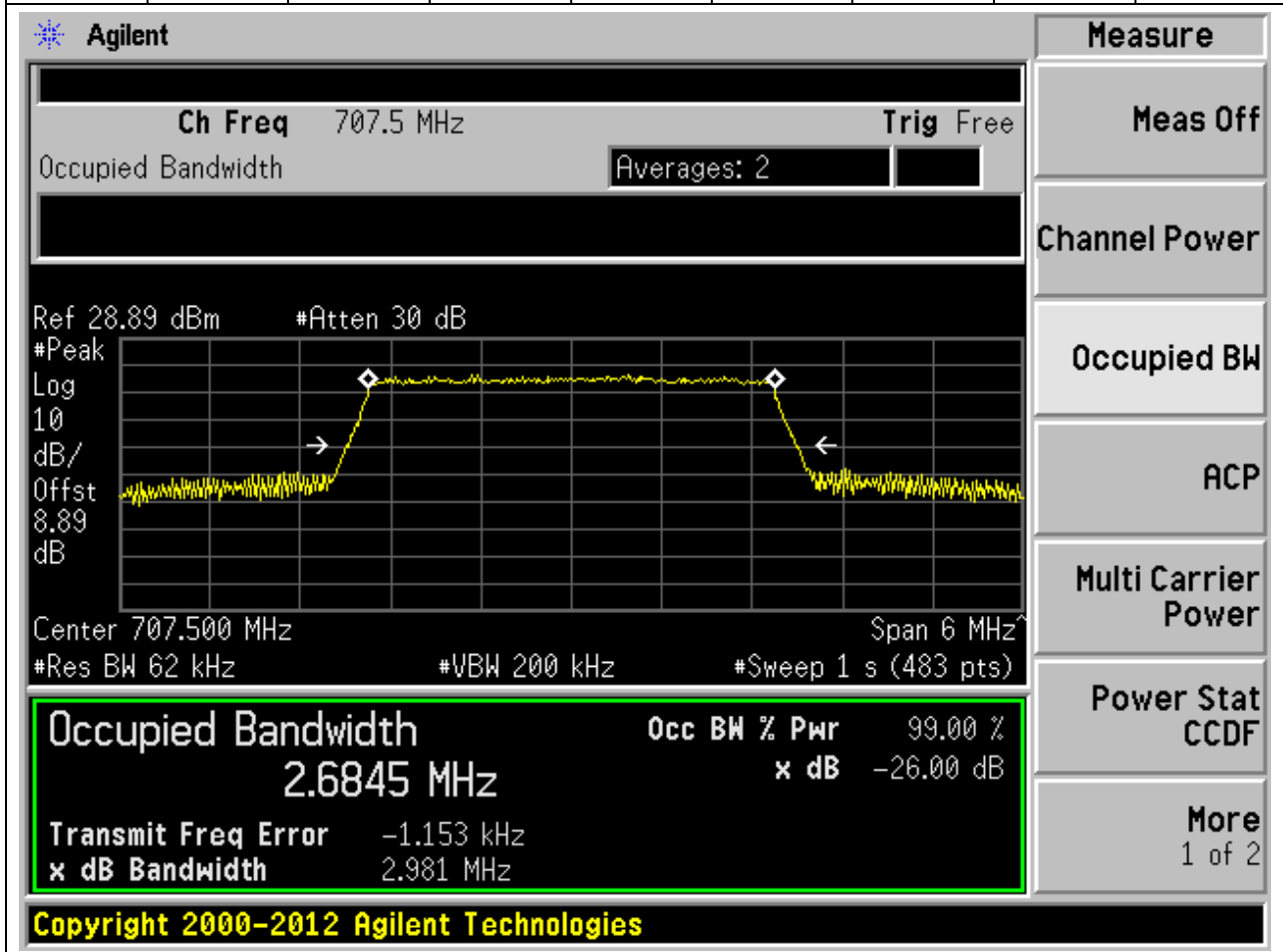
More 1 of 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6868 MHz	x dB	-26.00 dB
Transmit Freq Error		-874.562 Hz
x dB Bandwidth		2.961 MHz

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5.10. 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	2.684	2.981	3	Pass



5.11. 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	2.688	2.965	3	Pass

Agilent
Measure

Ch Freq 714.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.89 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.89

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 %

2.6884 MHz
x dB -26.00 dB

Transmit Freq Error -510.989 Hz

x dB Bandwidth 2.965 MHz

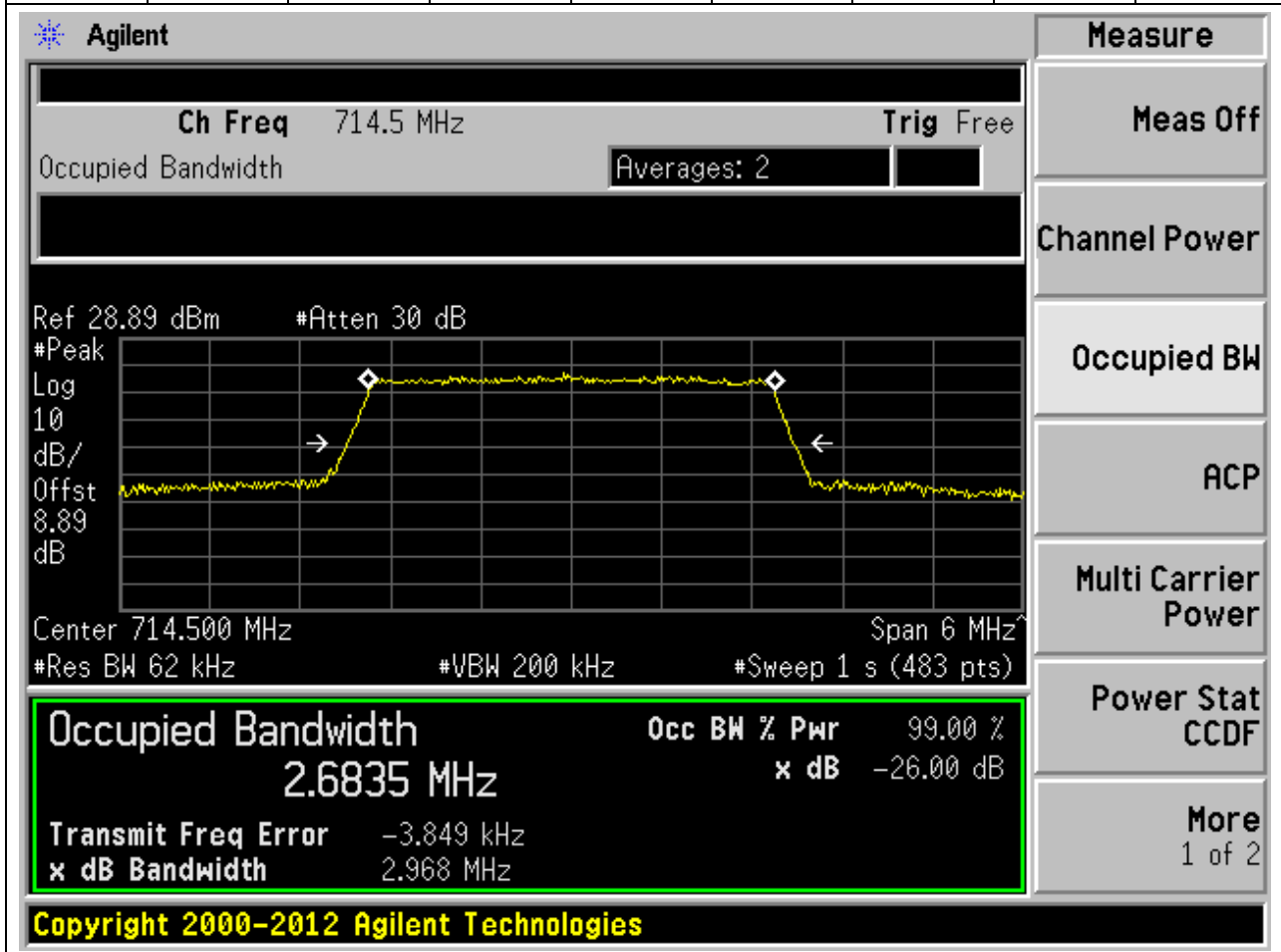
Power Stat
CCDF

More
1 of 2

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5.12. 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	2.684	2.968	3	Pass



5.13. 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	4.498	4.916	5	Pass

Agilent
Measure

Ch Freq 701.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.88 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.88

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 %

4.4976 MHz
x dB -26.00 dB

Transmit Freq Error 920.388 Hz

x dB Bandwidth 4.916 MHz

Power Stat
CCDF

More
1 of 2

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5.14. 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	4.484	4.904	5	Pass

Agilent
Measure

Ch Freq 701.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.88 dBm #Atten 30 dB

Center 701.500 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

4.4844 MHz

Transmit Freq Error 2.423 kHz

x dB Bandwidth 4.904 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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5.15. 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	4.496	4.915	5	Pass

Agilent
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 8.89 dB

Center 707.500 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 Occ BW % Pwr 99.00 %

4.4960 MHz x dB -26.00 dB

Transmit Freq Error 2.137 kHz

x dB Bandwidth 4.915 MHz

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5.16. 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	4.496	4.918	5	Pass

Agilent
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

Center 707.500 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
4.4964 MHz

Transmit Freq Error -180.810 Hz

x dB Bandwidth 4.918 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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5.17. 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	4.484	4.894	5	Pass

Agilent
Measure

Ch Freq 713.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.89

dB

Center 713.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4842 MHz	x dB -26.00 dB
Transmit Freq Error	-759.308 Hz
x dB Bandwidth	4.894 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

5.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:23155, 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
713.5	99	26	0.1	Peak	4.491	4.923	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 713.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.89 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.89 dB', 'Center 713.500 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 4.4906 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 500.142 Hz' and 'x dB Bandwidth 4.923 MHz'. The bottom of the screen displays 'Copyright 2000-2012 Agilent Technologies'.

5.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:23060, 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
704	99	26	0.2	Peak	8.973	9.832	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 704 MHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is active with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include: 'Ref 28.88 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.88 dB', 'Center 704.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9733 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 10.187 kHz', and 'x dB Bandwidth 9.832 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.

5.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:23060, 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
704	99	26	0.2	Peak	8.967	9.702	10	Pass

Agilent
Measure

Ch Freq 704 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.88 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 8.88 dB

Center 704.00 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9671 MHz	x dB	-26.00 dB
Transmit Freq Error	10.682 kHz	
x dB Bandwidth	9.702 MHz	

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

5.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:23095, 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
707.5	99	26	0.2	Peak	8.948	9.749	10	Pass

Agilent
Measure

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.89 dB

Center 707.50 MHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9483 MHz x dB -26.00 dB

Transmit Freq Error 5.720 kHz

x dB Bandwidth 9.749 MHz

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5.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:23095, 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
707.5	99	26	0.2	Peak	8.945	9.756	10	Pass

Agilent

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

Ch Freq 707.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.89 dB

Center 707.50 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9449 MHz	x dB	-26.00 dB
Transmit Freq Error	6.223 kHz	
x dB Bandwidth	9.756 MHz	

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5.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:23130, 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
711	99	26	0.2	Peak	8.948	9.744	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 711 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.89 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.89 dB', 'Center 711.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9478 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -4.722 kHz', and 'x dB Bandwidth 9.744 MHz'. The right-hand side of the interface features 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 displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

5.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:23130, 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
711	99	26	0.2	Peak	8.943	9.725	10	Pass

Agilent
Measure

Ch Freq 711 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.89

dB

Center 711.00 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9428 MHz	x dB	-26.00 dB
Transmit Freq Error	-12.111 kHz	
x dB Bandwidth	9.725 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

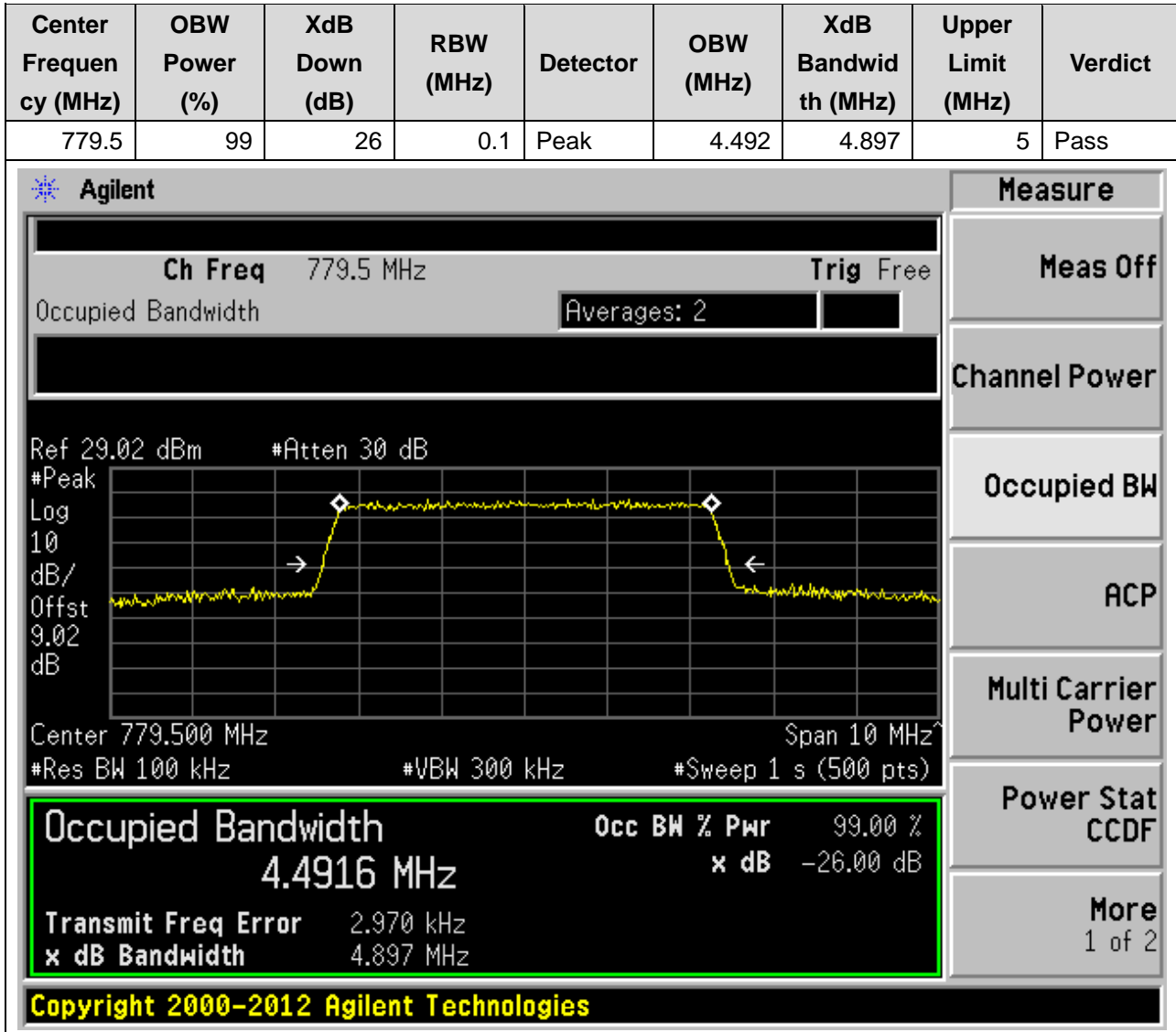
Multi Carrier Power

Power Stat CCDF

More
1 of 2

6. LTE_Band13

6.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



6.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:23205, 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
779.5	99	26	0.1	Peak	4.487	4.927	5	Pass

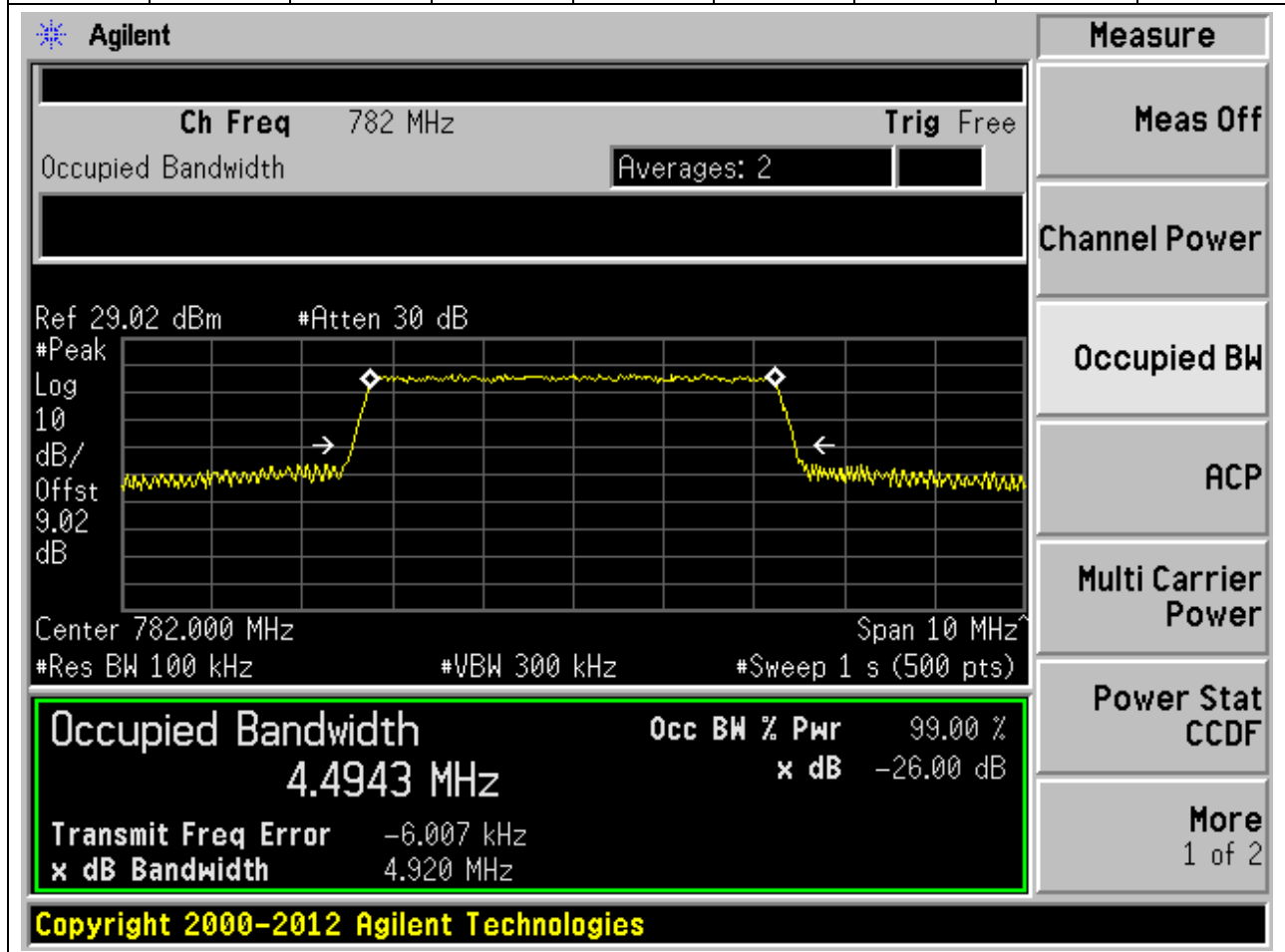
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 779.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 s (500 pts). The occupied bandwidth is measured as 4.4873 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is 3.803 kHz, and the XdB bandwidth is 4.927 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 %
4.4873 MHz	x dB	-26.00 dB
Transmit Freq Error	3.803 kHz	
x dB Bandwidth	4.927 MHz	

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6.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:23230, 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
782	99	26	0.1	Peak	4.494	4.92	5	Pass



6.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:23230, 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
782	99	26	0.1	Peak	4.493	4.907	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 782 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.02 dBm', '#Atten 30 dB', 'Log 10', 'dB/Offst 9.02 dB', 'Center 782.000 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 4.4932 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error -2.074 kHz' and 'x dB Bandwidth 4.907 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'.

6.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:23255, 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
784.5	99	26	0.1	Peak	4.488	4.909	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 784.5 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 29.02 dBm', '#Atten 30 dB', 'Log 10', 'dB/Offst 9.02 dB', 'Center 784.500 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 4.4884 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 4.826 kHz', and 'x dB Bandwidth 4.909 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.

6.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:23255, 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
784.5	99	26	0.1	Peak	4.495	4.93	5	Pass

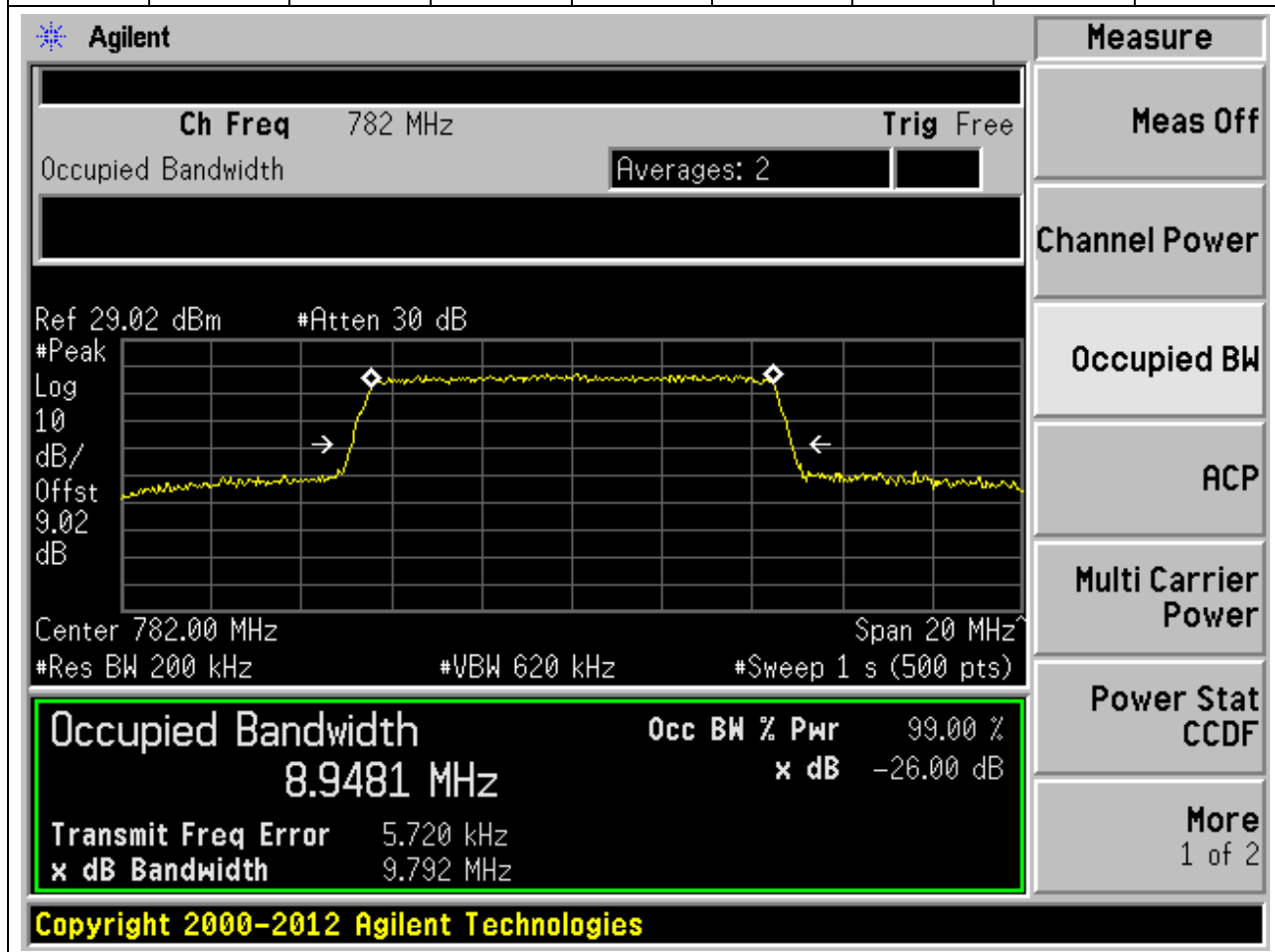
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 784.500 MHz, and the span is 10 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 1 s (500 pts). The occupied bandwidth is measured as 4.4952 MHz, which is 99.00% of the power. The XdB bandwidth is 4.930 MHz, and the XdB down is -26.00 dB. The transmit frequency error is 2.090 kHz. The interface also shows a 'Measure' menu with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4952 MHz	x dB	-26.00 dB
Transmit Freq Error	2.090 kHz	
x dB Bandwidth	4.930 MHz	

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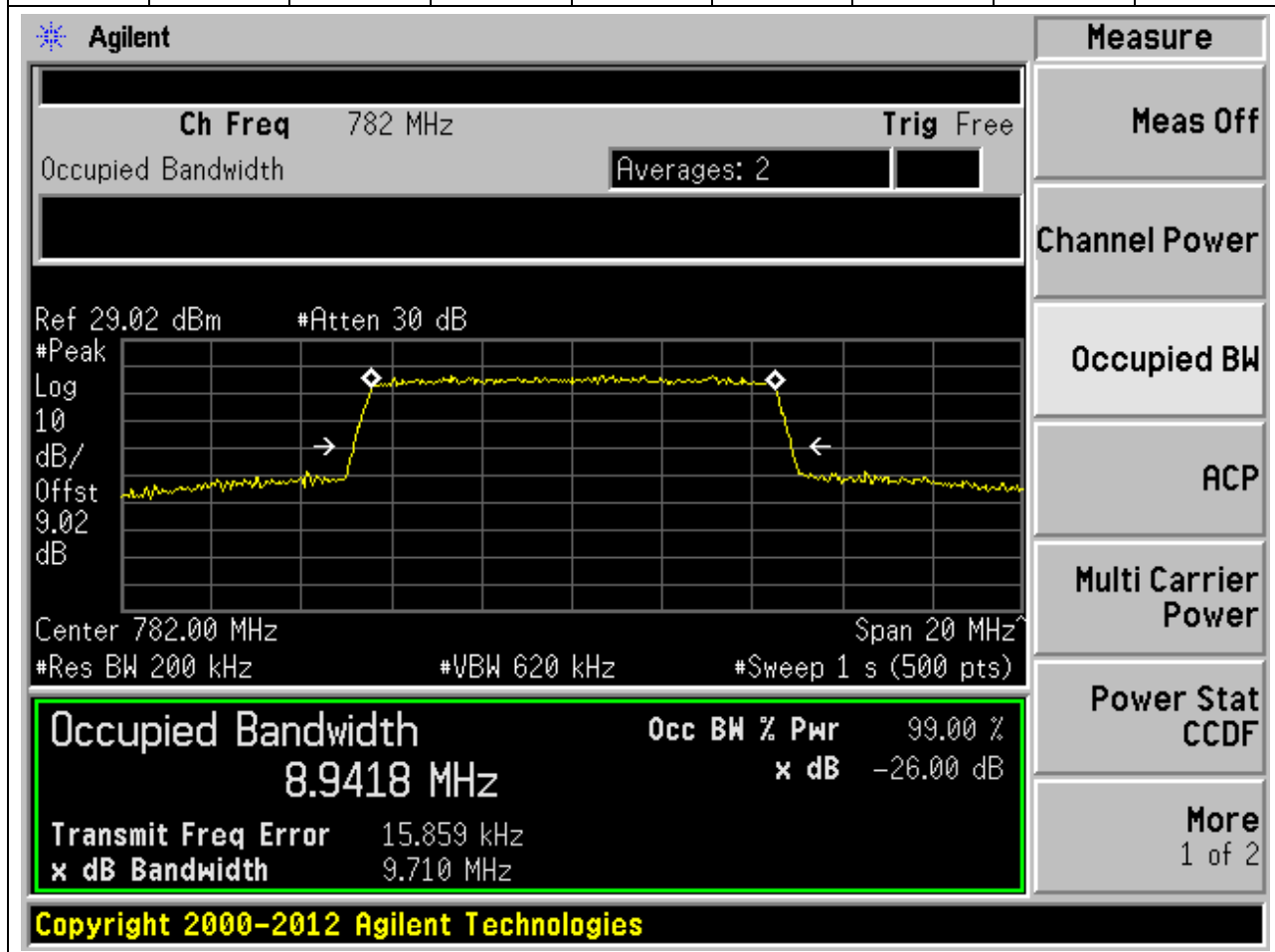
6.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.948	9.792	10	Pass



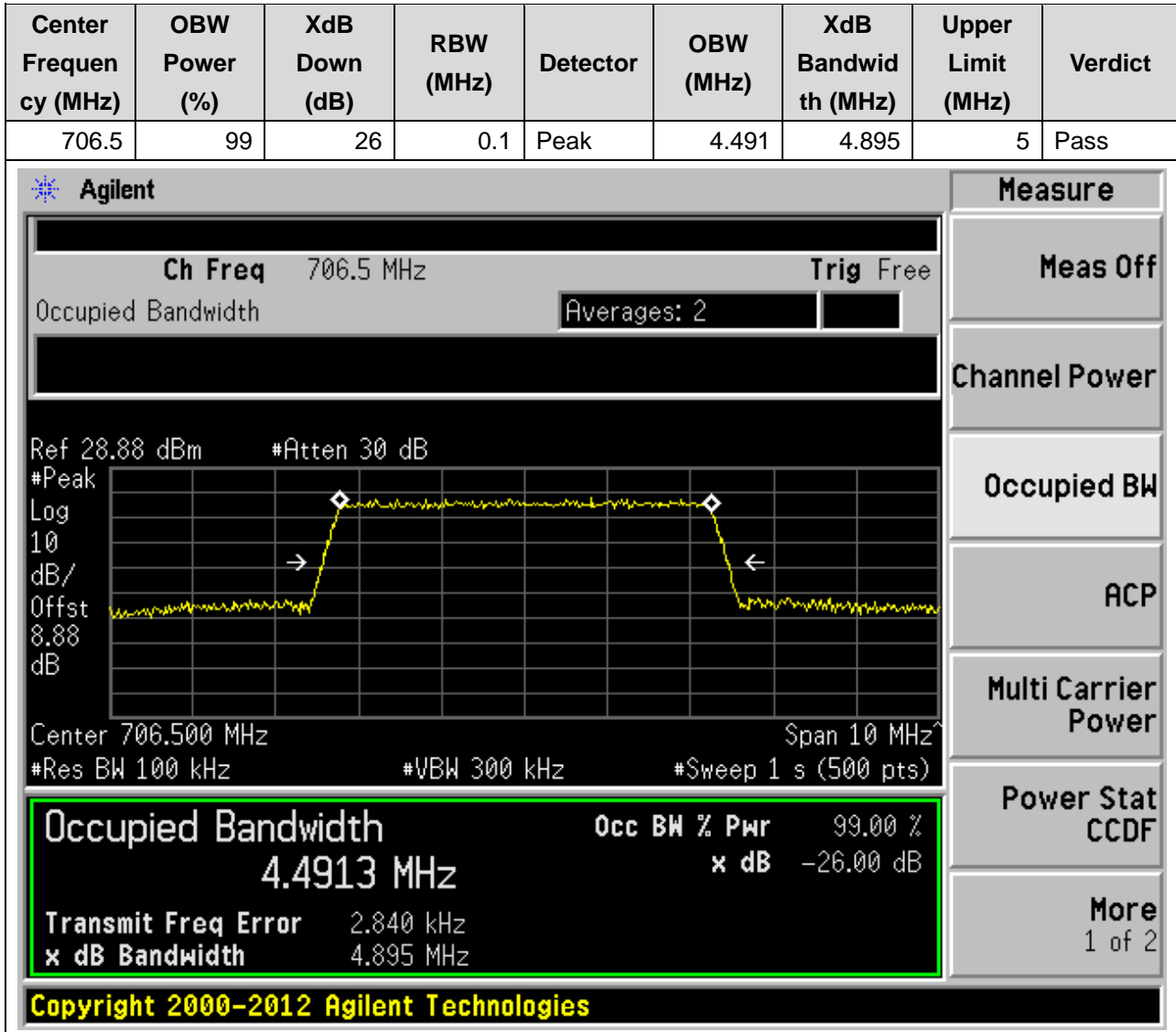
6.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
782	99	26	0.2	Peak	8.942	9.71	10	Pass



7. LTE_Band17

7.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



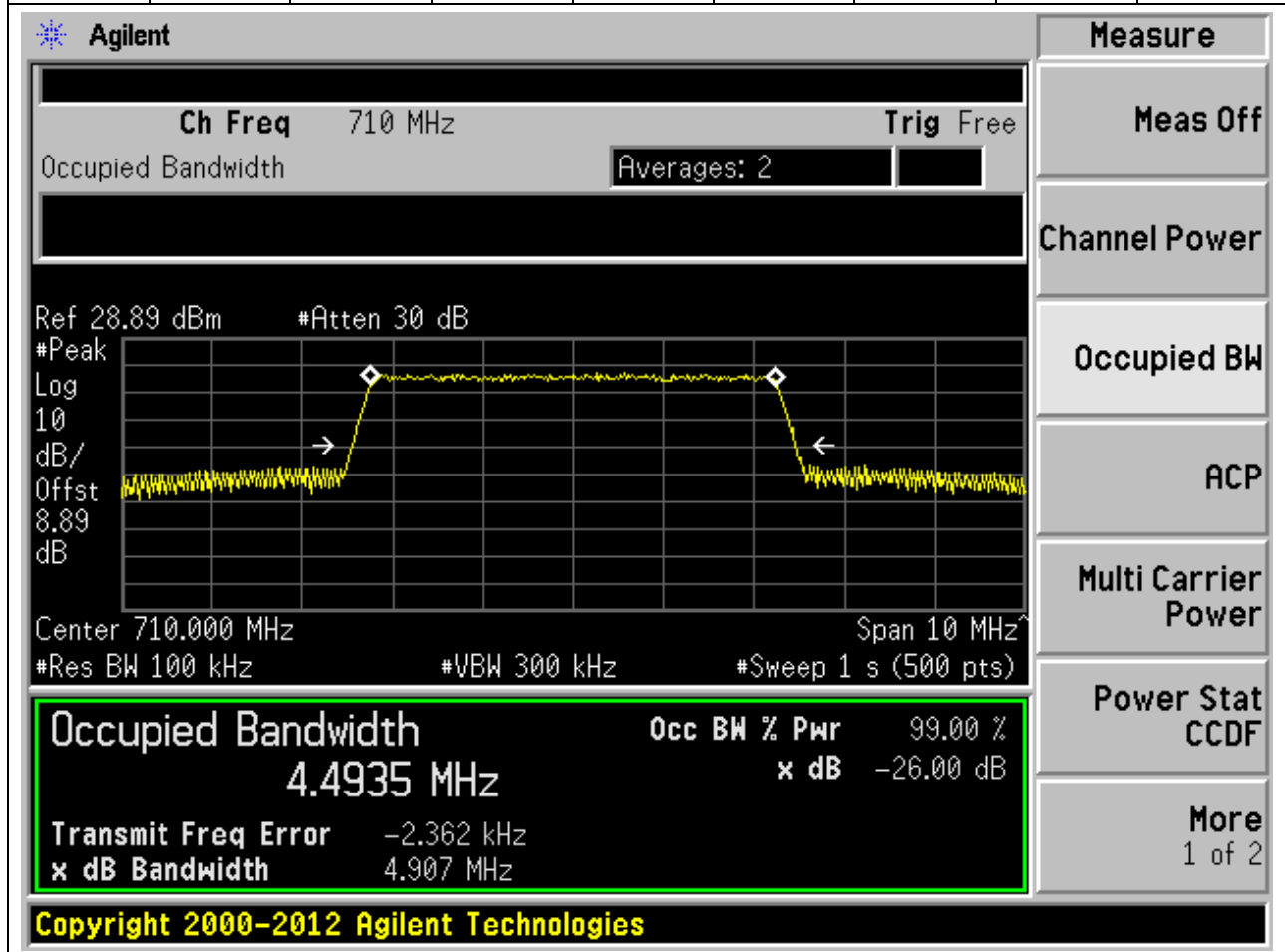
7.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:23755, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	Peak	4.484	4.886	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 706.5 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 28.88 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.88 dB', 'Center 706.500 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 4.4845 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -238.955 Hz', and 'x dB Bandwidth 4.886 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.

7.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:23790, 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
710	99	26	0.1	Peak	4.494	4.907	5	Pass



7.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:23790, 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
710	99	26	0.1	Peak	4.498	4.916	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 710 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.89 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.89 dB', 'Center 710.000 MHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4983 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -2.073 kHz', and 'x dB Bandwidth 4.916 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'.

7.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:23825, 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	4.486	4.901	5	Pass

Agilent
Measure

Ch Freq 713.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

Center 713.500 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
4.4857 MHz

Transmit Freq Error -2.855 kHz

x dB Bandwidth 4.901 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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7.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:23825, 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
713.5	99	26	0.1	Peak	4.493	4.927	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 713.500 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 4.4934 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is 955.115 Hz, and the XdB bandwidth is 4.927 MHz. The interface also shows various measurement buttons on the right side, such as Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More. The copyright notice at the bottom reads 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4934 MHz	x dB	-26.00 dB
Transmit Freq Error	955.115 Hz	
x dB Bandwidth	4.927 MHz	

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7.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:23780, 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
709	99	26	0.2	Peak	8.952	9.78	10	Pass

Agilent

Ch Freq 709 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.89 dB

Center 709.00 MHz Span 20 MHz

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

Occupied Bandwidth 8.9524 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 4.859 kHz
x dB Bandwidth 9.780 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

7.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:23780, 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
709	99	26	0.2	Peak	8.951	9.707	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 709 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.89 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.89 dB', 'Center 709.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9511 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 11.698 kHz' and 'x dB Bandwidth 9.707 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

7.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:23790, 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
710	99	26	0.2	Peak	8.943	9.718	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 710 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.89 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.89 dB', 'Center 710.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9426 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -2.066 kHz', and 'x dB Bandwidth 9.718 MHz'. The right side of the interface features 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 displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

7.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:23790, 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
710	99	26	0.2	Peak	8.942	9.738	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 710 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.89 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.89 dB', 'Center 710.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9422 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 5.146 kHz', and 'x dB Bandwidth 9.738 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

7.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:23800, 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
711	99	26	0.2	Peak	8.955	9.753	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 711 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include: Ref 28.89 dBm, #Atten 30 dB, Log 10 dB/Offst 8.89 dB, Center 711.00 MHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, and #Sweep 1 s (500 pts). A green box highlights the measurement results: Occupied Bandwidth 8.9548 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error -10.023 kHz, and x dB Bandwidth 9.753 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'.

7.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:23800, 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
711	99	26	0.2	Peak	8.941	9.764	10	Pass

Agilent
Measure

Ch Freq 711 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.89 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.89

dB

Center 711.00 MHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9412 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.368 kHz	
x dB Bandwidth	9.764 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

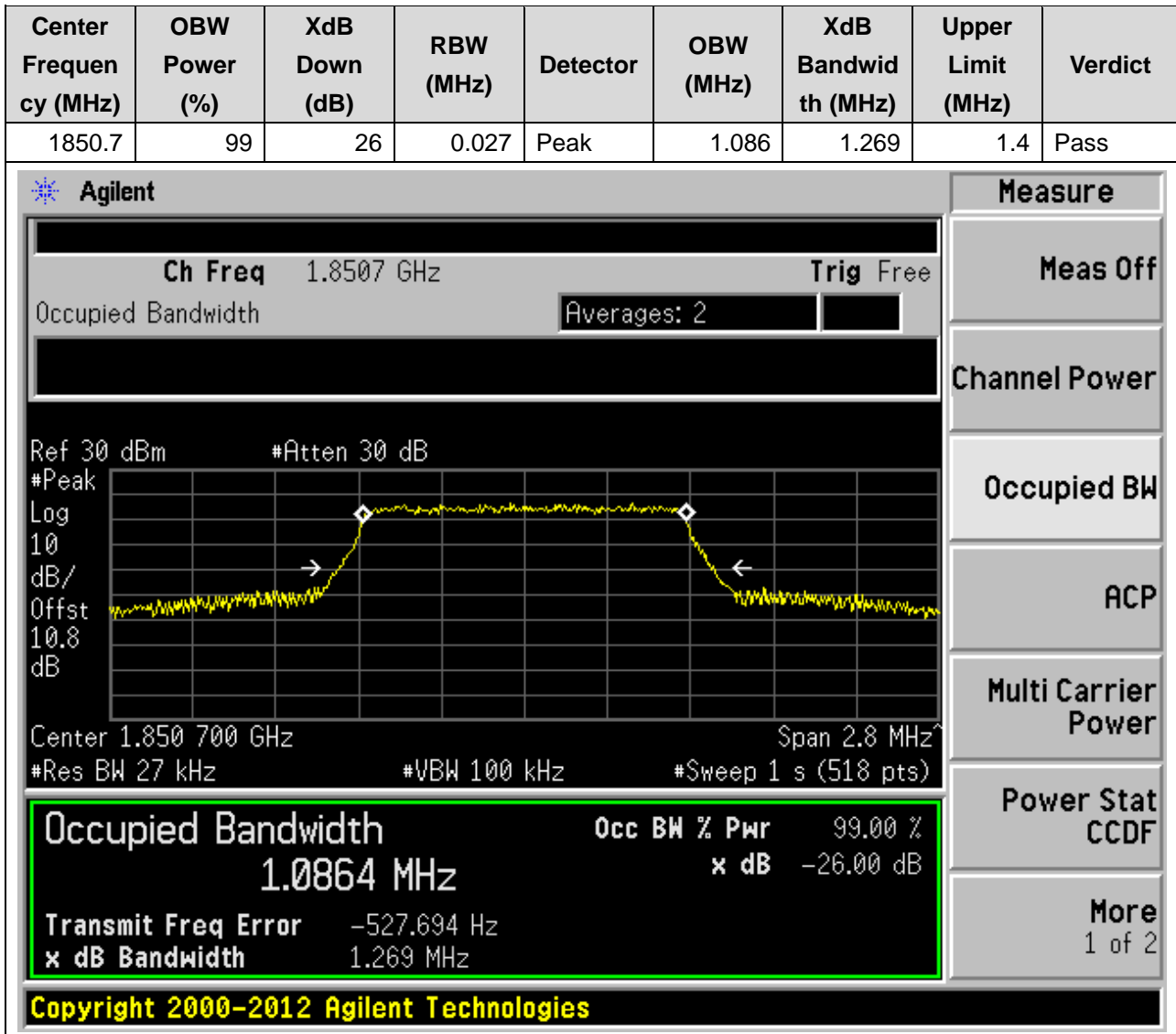
Multi Carrier Power

Power Stat CCDF

More
1 of 2

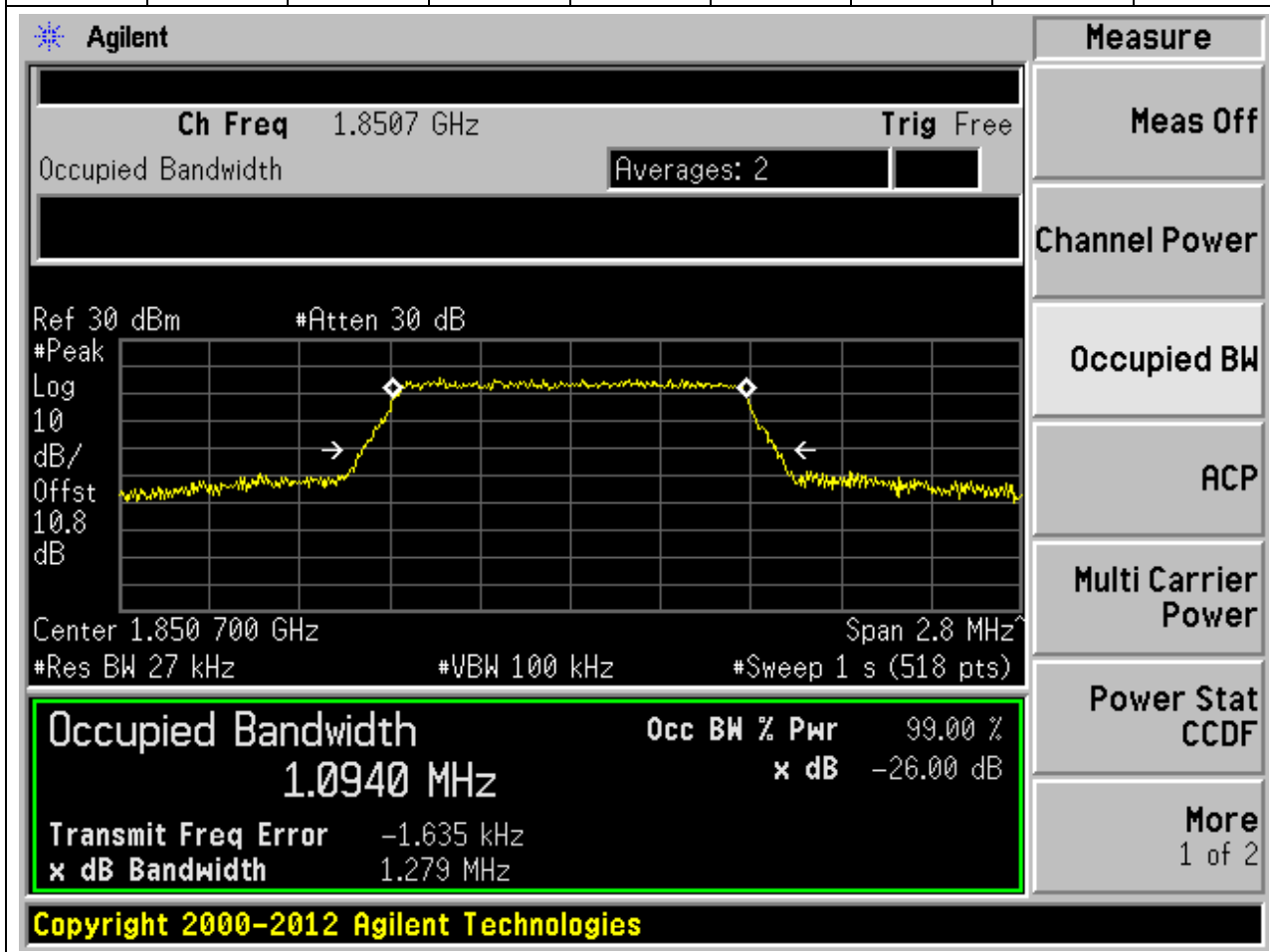
8. LTE_Band25

8.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:26047, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



8.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:26047, 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
1850.7	99	26	0.027	Peak	1.094	1.279	1.4	Pass



8.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:26365, 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
1882.5	99	26	0.027	Peak	1.089	1.288	1.4	Pass

Agilent
Measure

Ch Freq 1.8825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.882 500 GHz Span 2.8 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

1.0889 MHz

Transmit Freq Error -942.779 Hz

x dB Bandwidth 1.288 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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8.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:26365, 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
1882.5	99	26	0.027	Peak	1.087	1.261	1.4	Pass

Agilent

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

Ch Freq 1.8825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.882 500 GHz Span 2.8 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0874 MHz

x dB -26.00 dB

Transmit Freq Error -123.320 Hz

x dB Bandwidth 1.261 MHz

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8.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:26683, 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
1914.3	99	26	0.027	Peak	1.091	1.26	1.4	Pass

Agilent
Measure

Ch Freq 1.9143 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.9

dB

Center 1.914 300 GHz
Span 2.8 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

1.0914 MHz
x dB -26.00 dB

Transmit Freq Error -1.594 kHz

x dB Bandwidth 1.260 MHz

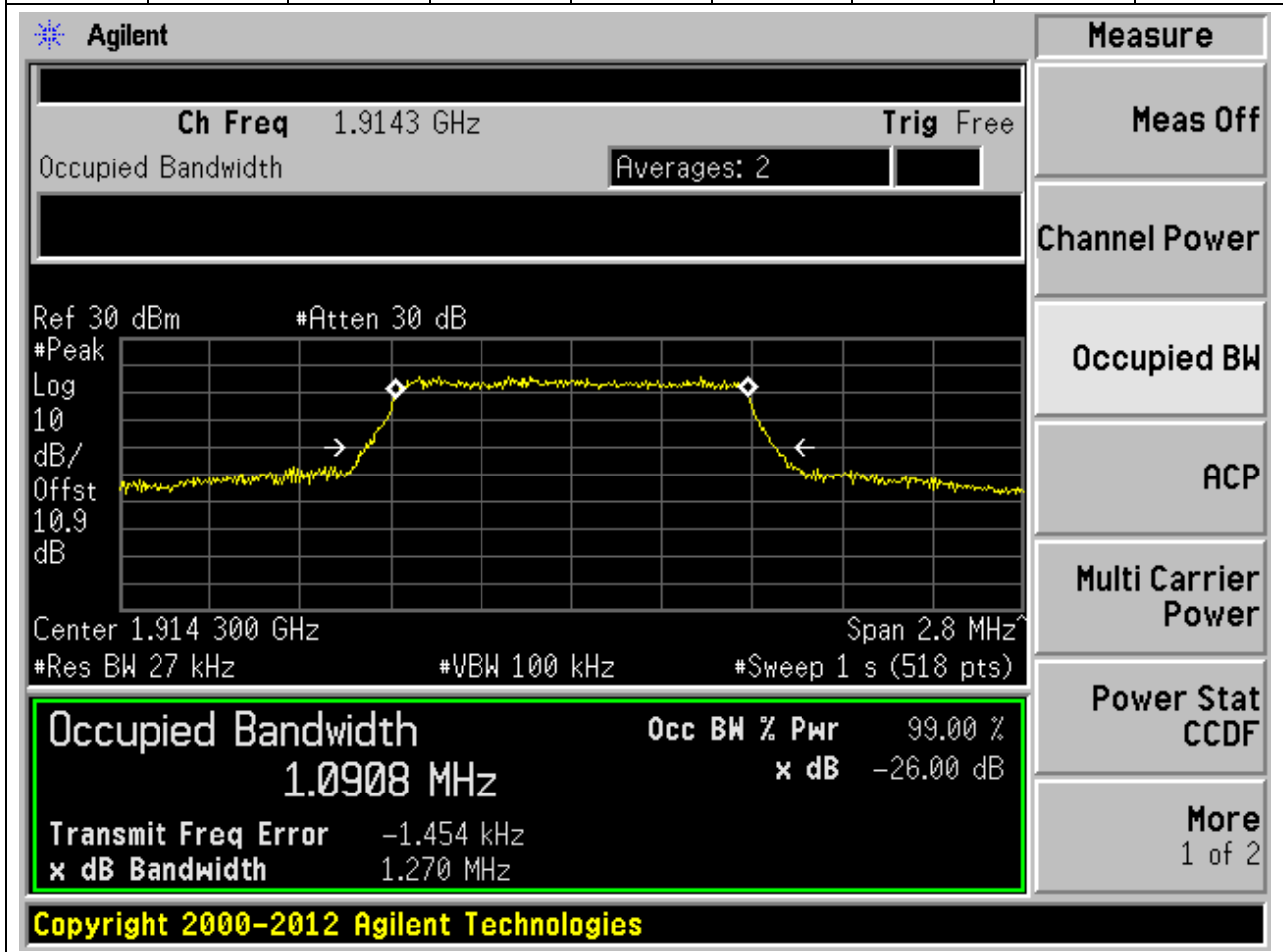
Power Stat
CCDF

More
1 of 2

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8.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:26683, 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
1914.3	99	26	0.027	Peak	1.091	1.27	1.4	Pass



8.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:26055, 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
1851.5	99	26	0.062	Peak	2.69	2.964	3	Pass

Agilent
Measure

Ch Freq 1.8515 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.851 500 GHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6901 MHz x dB -26.00 dB

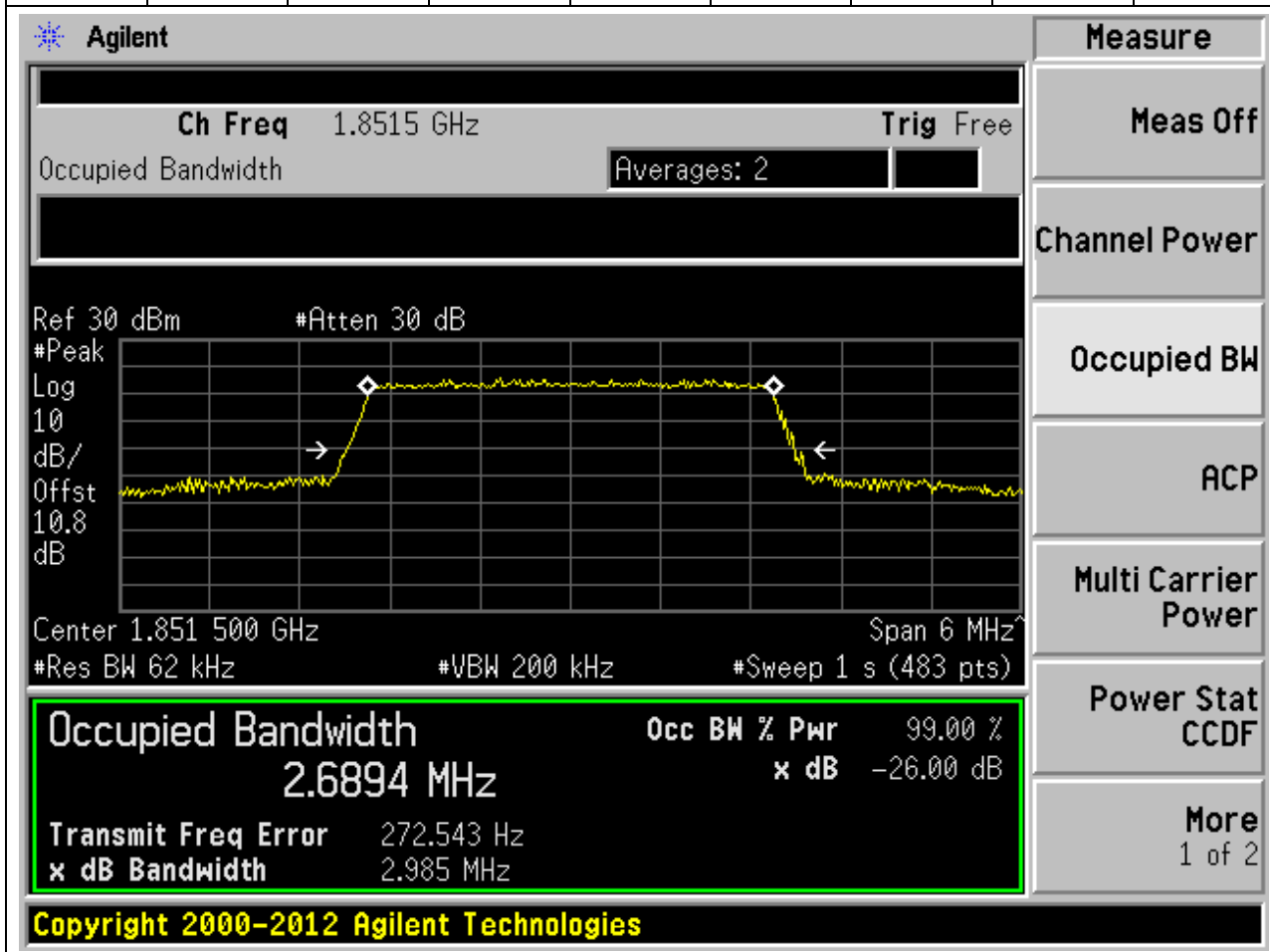
Transmit Freq Error 139.227 Hz

x dB Bandwidth 2.964 MHz

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8.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:26055, 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
1851.5	99	26	0.062	Peak	2.689	2.985	3	Pass



8.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:26365, 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
1882.5	99	26	0.062	Peak	2.69	2.963	3	Pass

Agilent
Measure

Ch Freq 1.8825 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.882 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6898 MHz
x dB -26.00 dB

Transmit Freq Error -2.009 kHz

x dB Bandwidth 2.963 MHz

Power Stat
CCDF

More
1 of 2

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8.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:26365, 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
1882.5	99	26	0.062	Peak	2.687	2.98	3	Pass

Agilent
Measure

Ch Freq 1.8825 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

10.8

dB

Center 1.882 500 GHz Span 6 MHz

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

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

2.6869 MHz **x dB** -26.00 dB

Transmit Freq Error -2.931 kHz

x dB Bandwidth 2.980 MHz

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8.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:26675, 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
1913.5	99	26	0.062	Peak	2.696	2.984	3	Pass

Agilent

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

Ch Freq 1.9135 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.913 500 GHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6957 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.049 kHz	
x dB Bandwidth	2.984 MHz	

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8.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:26675, 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
1913.5	99	26	0.062	Peak	2.684	2.971	3	Pass

Agilent
Measure

Ch Freq 1.9135 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.9

dB

Center 1.913 500 GHz
Span 6 MHz

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

Occupied Bandwidth

2.6836 MHz

Transmit Freq Error -7.903 kHz

x dB Bandwidth 2.971 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Power Stat
CCDF

More
1 of 2

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8.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:26065, 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
1852.5	99	26	0.1	Peak	4.499	4.911	5	Pass

Agilent

Measure

Ch Freq 1.8525 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.852 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4990 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.373 kHz	
x dB Bandwidth	4.911 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat

CCDF

More

1 of 2

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8.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:26065, 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
1852.5	99	26	0.1	Peak	4.488	4.904	5	Pass

Agilent
Measure

Ch Freq 1.8525 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.852 500 GHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4876 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.758 kHz	
x dB Bandwidth	4.904 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

8.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:26365, 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
1882.5	99	26	0.1	Peak	4.498	4.921	5	Pass

Agilent

Measure

Ch Freq 1.8825 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.882 500 GHz
Span 10 MHz

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

Occupied Bandwidth

4.4982 MHz

Transmit Freq Error -6.098 kHz

x dB Bandwidth 4.921 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

8.16. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:26365, 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
1882.5	99	26	0.1	Peak	4.498	4.911	5	Pass

Agilent

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

Ch Freq 1.8825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.882 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4982 MHz x dB -26.00 dB

Transmit Freq Error -344.096 Hz

x dB Bandwidth 4.911 MHz

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8.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:26665, 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
1912.5	99	26	0.1	Peak	4.488	4.891	5	Pass

Agilent

Ch Freq 1.9125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.912 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4884 MHz	x dB	-26.00 dB
Transmit Freq Error		-6.768 kHz
x dB Bandwidth		4.891 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

8.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:26665, 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
1912.5	99	26	0.1	Peak	4.497	4.93	5	Pass

Agilent
Measure

Ch Freq 1.9125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.912 500 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4968 MHz x dB -26.00 dB

Transmit Freq Error -4.487 kHz

x dB Bandwidth 4.930 MHz

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8.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:26090, 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
1855	99	26	0.2	Peak	8.957	9.758	10	Pass

Agilent

Ch Freq 1.855 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.855 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9570 MHz	x dB	-26.00 dB
Transmit Freq Error		4.391 kHz
x dB Bandwidth		9.758 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

8.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:26090, 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
1855	99	26	0.2	Peak	8.952	9.724	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.855 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.8 dB', 'Center 1.855 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9518 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 4.909 kHz', and 'x dB Bandwidth 9.724 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.

8.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:26365, 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
1882.5	99	26	0.2	Peak	8.953	9.773	10	Pass

Agilent

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

Ch Freq 1.8825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.882 50 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9528 MHz	x dB	-26.00 dB
Transmit Freq Error	7.360 kHz	
x dB Bandwidth	9.773 MHz	

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8.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:26365, 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
1882.5	99	26	0.2	Peak	8.95	9.751	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8825 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 1.882 50 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9505 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 5.750 kHz' and 'x dB Bandwidth 9.751 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'.

8.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:26640, 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
1910	99	26	0.2	Peak	8.948	9.75	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 1.91 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.9481 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is -15.467 kHz, and the XdB bandwidth is 9.750 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 %
8.9481 MHz	x dB	-26.00 dB
Transmit Freq Error	-15.467 kHz	
x dB Bandwidth	9.750 MHz	

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8.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:26640, 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
1910	99	26	0.2	Peak	8.946	9.772	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.91 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 10.9 dB', 'Center 1.910 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9459 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error -21.953 kHz' and 'x dB Bandwidth 9.772 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'.

8.25. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:25, Channel:26115, 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
1857.5	99	26	0.3	Peak	13.444	14.626	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8575 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.8 dB', 'Center 1.857 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 13.4440 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 2.801 kHz', and 'x dB Bandwidth 14.626 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.

8.26. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:26, Channel:26115, 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
1857.5	99	26	0.3	Peak	13.438	14.647	15	Pass

Agilent

Measure

Ch Freq 1.8575 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.857 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4382 MHz	x dB	-26.00 dB
Transmit Freq Error		-228.872 Hz
x dB Bandwidth		14.647 MHz

Power Stat
CCDF

More
1 of 2

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8.27. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:27, Channel:26365, 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
1882.5	99	26	0.3	Peak	13.407	14.578	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8825 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot has a center frequency of 1.8825 GHz and a span of 30 MHz. The resolution bandwidth (RBW) is 300 kHz and the video bandwidth (VBW) is 1 MHz. The sweep time is 1 second 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 13.4066 MHz, which is 99.00% of the power. The XdB bandwidth is -26.00 dB. The transmit frequency error is 3.021 kHz and the XdB bandwidth is 14.578 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 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4066 MHz	x dB	-26.00 dB
Transmit Freq Error	3.021 kHz	
x dB Bandwidth	14.578 MHz	

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8.28. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:28, Channel:26365, 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
1882.5	99	26	0.3	Peak	13.422	14.577	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.8825 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 2'. The main display is a spectrum plot with a yellow trace showing a signal with a flat top and sloped sides. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.8 dB', 'Center 1.882 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 13.4220 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 15.938 kHz', and 'x dB Bandwidth 14.577 MHz'. On the right side, there is a 'Measure' menu with options: 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

8.29. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:29, Channel:26615, 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
1907.5	99	26	0.3	Peak	13.401	14.517	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 1.9075 GHz and a span of 30 MHz. The vertical axis is labeled 'dB/Offst' with a scale of 10.9 dB. The horizontal axis is labeled 'Span 30 MHz'. The plot shows a signal with a peak at approximately 1.9075 GHz. The 'Occupied Bandwidth' is measured as 13.4005 MHz, which is 99.00% of the power. The 'x dB Bandwidth' is 14.517 MHz. The 'Transmit Freq Error' is -20.281 kHz. The 'Power Stat' is CCDF. The 'More' button shows 1 of 2.

Occupied Bandwidth	Occ BW % Pwr	x dB
13.4005 MHz	99.00 %	-26.00 dB

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8.30. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:30, Channel:26615, 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
1907.5	99	26	0.3	Peak	13.436	14.534	15	Pass

Agilent

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.90750 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4356 MHz	x dB	-26.00 dB
Transmit Freq Error		-22.464 kHz
x dB Bandwidth		14.534 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

8.31. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:31, Channel:26140, 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
1860	99	26	0.39	Peak	17.912	19.285	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.86 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 10.9 dB', 'Center 1.860 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 1 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9122 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 9.714 kHz' and 'x dB Bandwidth 19.285 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

8.32. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:32, Channel:26140, 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
1860	99	26	0.39	Peak	17.973	19.408	20	Pass

Agilent

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

Ch Freq 1.86 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.860 00 GHz Span 40 MHz

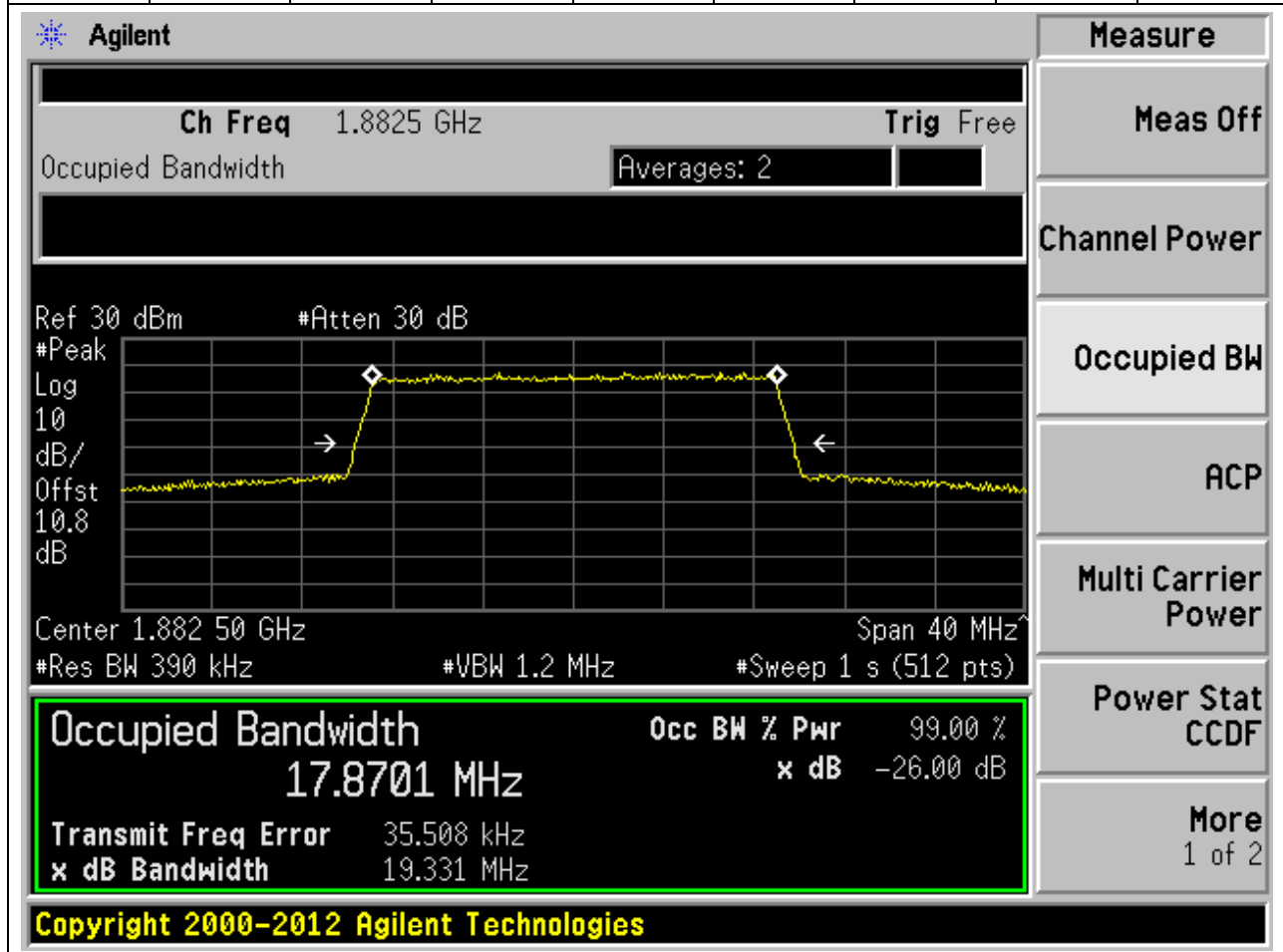
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9726 MHz	x dB	-26.00 dB
Transmit Freq Error	17.142 kHz	
x dB Bandwidth	19.408 MHz	

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8.33. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:33, Channel:26365, 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
1882.5	99	26	0.39	Peak	17.87	19.331	20	Pass



8.34. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:34, Channel:26365, 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
1882.5	99	26	0.39	Peak	17.89	19.313	20	Pass

Agilent
Measure

Ch Freq 1.8825 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.882 50 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8900 MHz	x dB	-26.00 dB
Transmit Freq Error	13.104 kHz	
x dB Bandwidth	19.313 MHz	

Power Stat
CCDF

More
1 of 2

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8.35. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:35, Channel:26590, 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
1905	99	26	0.39	Peak	17.877	19.371	20	Pass

Agilent

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

Ch Freq 1.905 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.905 00 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8771 MHz

x dB -26.00 dB

Transmit Freq Error -39.156 kHz

x dB Bandwidth 19.371 MHz

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8.36. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:36, Channel:26590, 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
1905	99	26	0.39	Peak	17.854	19.302	20	Pass

Agilent

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

Ch Freq 1.905 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.905 00 GHz Span 40 MHz

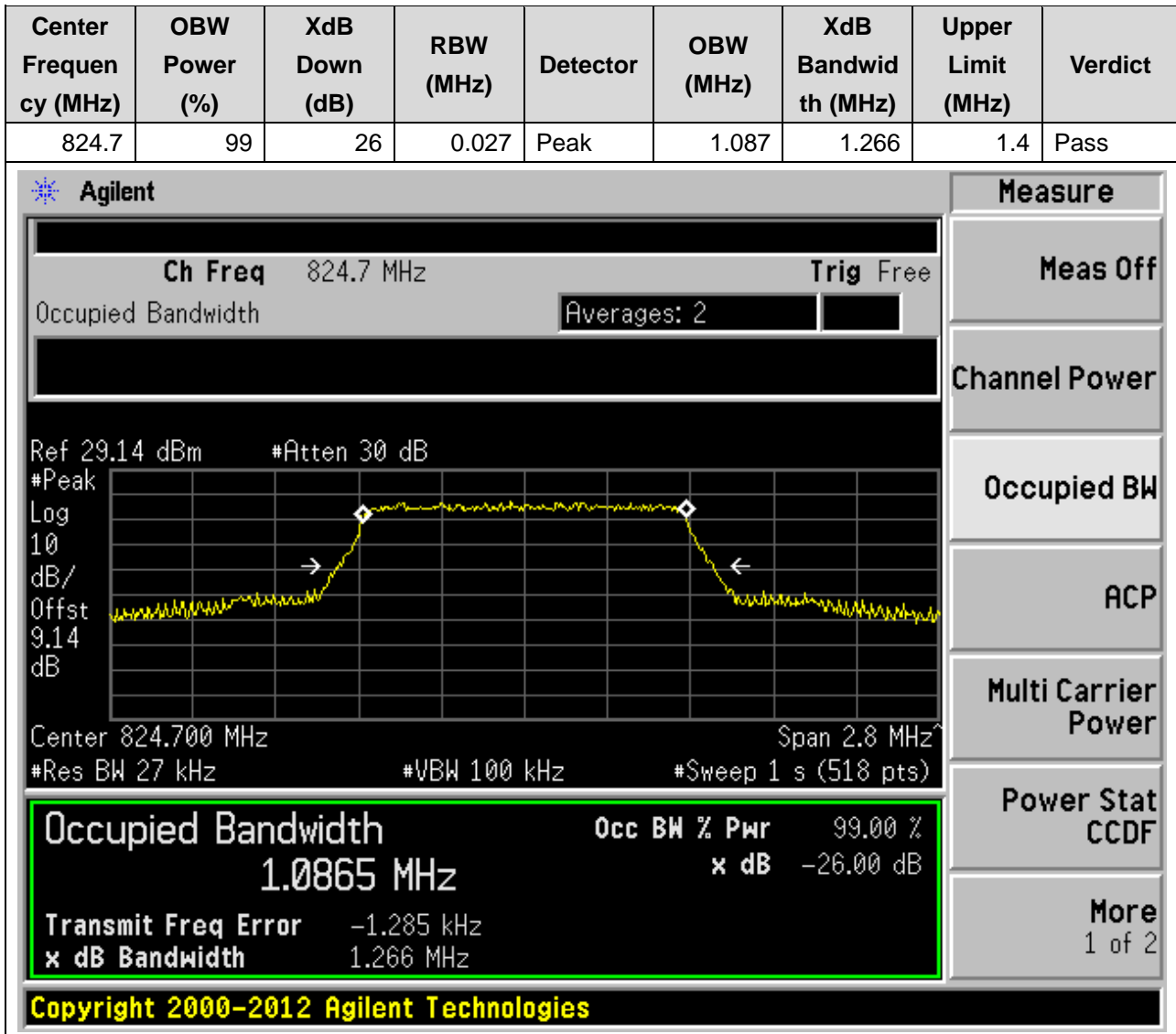
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8542 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.324 kHz	
x dB Bandwidth	19.302 MHz	

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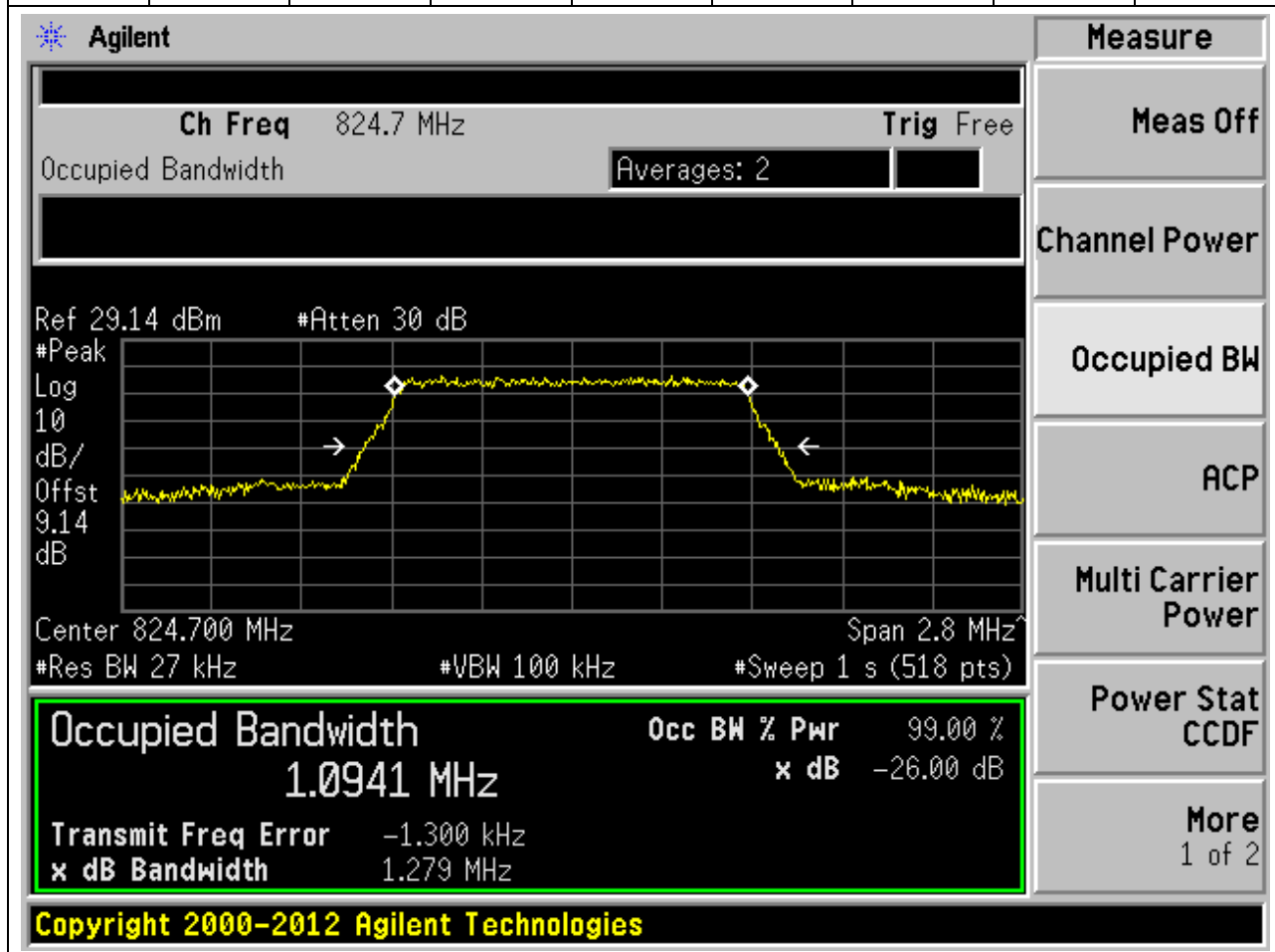
9. LTE_Band26(part22)

9.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:26797, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



9.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:26797, 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	1.094	1.279	1.4	Pass



9.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:26915, 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	1.089	1.28	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 836.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.16 dBm', '#Atten 30 dB', 'Log 10', 'dB/Offst 9.16 dB', 'Center 836.500 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 1.0885 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 1.222 kHz', and 'x dB Bandwidth 1.280 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'.

9.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:26915, 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	1.087	1.258	1.4	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.16 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.16

dB

Center 836.500 MHz
Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0866 MHz	x dB	-26.00 dB
Transmit Freq Error	143.048 Hz	
x dB Bandwidth	1.258 MHz	

Power Stat
CCDF

More
1 of 2

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9.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:27033, 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	1.092	1.258	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the center frequency is 848.3 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 29.24 dBm, #Atten 30 dB, #Peak, Log, 10 dB/Offst, 9.24 dB, Center 848.300 MHz, Span 2.8 MHz, #Res BW 27 kHz, #VBW 100 kHz, and #Sweep 1 s (518 pts). A green box highlights the measurement results: Occupied Bandwidth 1.0919 MHz, Occ BW % Pwr 99.00 %, x dB -26.00 dB, Transmit Freq Error -1.500 kHz, and x dB Bandwidth 1.258 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.

9.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:27033, 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	1.091	1.277	1.4	Pass

Agilent

Measure

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.24 dBm #Atten 30 dB

Center 848.300 MHz Span 2.8 MHz
#Res BW 27 kHz #VBW 100 kHz #Sweep 1 s (518 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0914 MHz x dB -26.00 dB

Transmit Freq Error -974.467 Hz

x dB Bandwidth 1.277 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

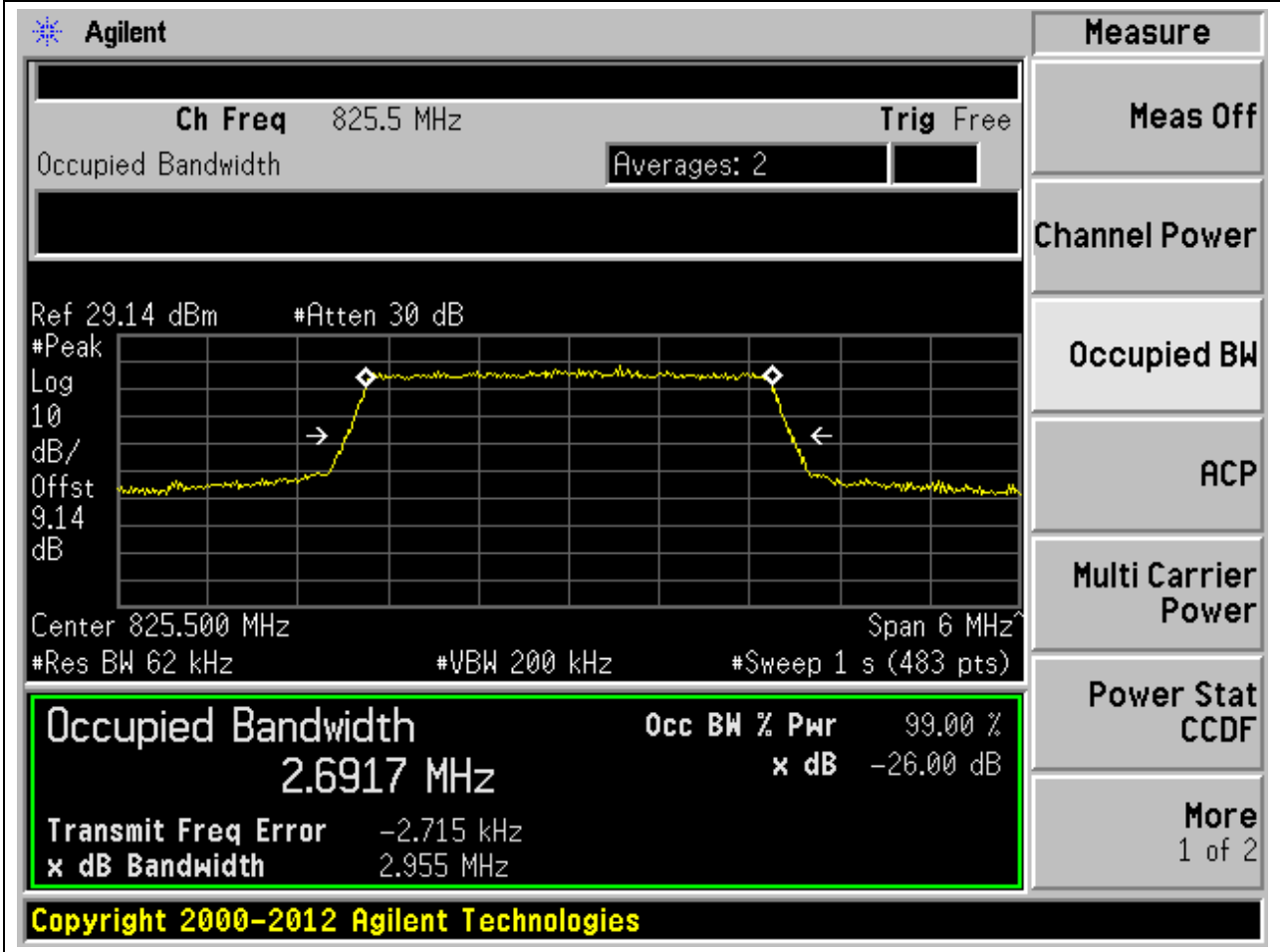
Power Stat CCDF

More
1 of 2

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9.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:26805, 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	2.692	2.955	3	Pass



9.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:26805, 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	2.69	2.986	3	Pass

Agilent
Measure

Ch Freq 825.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.14 dBm #Atten 30 dB

Center 825.500 MHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6902 MHz	x dB	-26.00 dB
Transmit Freq Error		48.272 Hz
x dB Bandwidth		2.986 MHz

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9.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:26915, 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	2.684	2.966	3	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.16 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

2.6844 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -745.122 Hz

x dB Bandwidth 2.966 MHz

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

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9.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:26915, 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	2.686	2.977	3	Pass

Agilent

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

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
9.16
dB

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
2.6857 MHz x dB -26.00 dB

Transmit Freq Error -3.195 kHz
 x dB Bandwidth 2.977 MHz

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9.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:27025, 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	2.687	2.96	3	Pass

Agilent

Measure

Ch Freq 847.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.23 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.23

dB

Center 847.500 MHz
Span 6 MHz

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

Occupied Bandwidth

2.6866 MHz

Transmit Freq Error -3.091 kHz

x dB Bandwidth 2.960 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Power Stat
CCDF

More
1 of 2

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9.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:27025, 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	2.683	2.958	3	Pass

Agilent

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

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.23 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
9.23
dB

Center 847.500 MHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6826 MHz

x dB -26.00 dB

Transmit Freq Error -5.499 kHz

x dB Bandwidth 2.958 MHz

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9.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:26815, 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	4.501	4.886	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.15 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.15

dB

Center 826.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5011 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.139 kHz
x dB Bandwidth		4.886 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

9.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:26815, 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	4.492	4.899	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.15 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 9.15 dB

Center 826.500 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4917 MHz	x dB	-26.00 dB
Transmit Freq Error	1.273 kHz	
x dB Bandwidth	4.899 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

9.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:26915, 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	4.923	5	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.16 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.16

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 %
4.4940 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.900 kHz
x dB Bandwidth		4.923 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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9.16. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:26915, 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	4.497	4.925	5	Pass

Agilent

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

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
9.16
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 %
4.4969 MHz x dB -26.00 dB

Transmit Freq Error -554.258 Hz
 x dB Bandwidth 4.925 MHz

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9.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:27015, 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	4.485	4.893	5	Pass

Agilent Measure

Ch Freq 846.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.22 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.22 dB

Center 846.500 MHz Span 10 MHz

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

Occupied Bandwidth 4.4846 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -4.550 kHz
x dB Bandwidth 4.893 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

9.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:27015, 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	4.493	4.918	5	Pass

Agilent
Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.22 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.22

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 %
4.4928 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.963 kHz
x dB Bandwidth		4.918 MHz

Power Stat
CCDF

More
1 of 2

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9.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:26840, 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	8.958	9.8	10	Pass

Agilent
Measure

Ch Freq 829 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.16 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz

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

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

8.9583 MHz **x dB** -26.00 dB

Transmit Freq Error 1.975 kHz

x dB Bandwidth 9.800 MHz

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9.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:26840, 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	8.942	9.729	10	Pass

Agilent

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.16 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 %

8.9419 MHz x dB -26.00 dB

Transmit Freq Error 5.099 kHz

x dB Bandwidth 9.729 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

9.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:26915, 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	8.951	9.756	10	Pass

Agilent

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.16 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 %
8.9512 MHz	x dB	-26.00 dB
Transmit Freq Error	1.456 kHz	
x dB Bandwidth	9.756 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

9.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:26915, 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	8.954	9.722	10	Pass

Agilent

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

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.16 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 %

8.9539 MHz x dB -26.00 dB

Transmit Freq Error 6.647 kHz

x dB Bandwidth 9.722 MHz

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9.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:26990, 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	8.952	9.775	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 844 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 844.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9520 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -21.929 kHz', and 'x dB Bandwidth 9.775 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.

9.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:26990, 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	8.944	9.75	10	Pass

Agilent
Measure

Ch Freq 844 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.2 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.2

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 %

8.9436 MHz
x dB -26.00 dB

Transmit Freq Error -29.457 kHz

x dB Bandwidth 9.750 MHz

Power Stat CCDF

More
1 of 2

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9.25. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:25, Channel:26865, 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
831.5	99	26	0.3	Peak	13.432	14.635	15	Pass

Agilent

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

Ch Freq 831.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.16 dB

Center 831.50 MHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4322 MHz x dB -26.00 dB

Transmit Freq Error -957.347 Hz

x dB Bandwidth 14.635 MHz

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9.26. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:26, Channel:26865, 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
831.5	99	26	0.3	Peak	13.437	14.564	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 831.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.16 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.16 dB', 'Center 831.50 MHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 13.4368 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 5.150 kHz' and 'x dB Bandwidth 14.564 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'.

9.27. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:27, Channel:26915, 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
836.5	99	26	0.3	Peak	13.401	14.564	15	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.16 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.16

dB

Center 836.50 MHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4012 MHz	x dB	-26.00 dB
Transmit Freq Error		-6.769 kHz
x dB Bandwidth		14.564 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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9.28. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:28, Channel:26915, 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
836.5	99	26	0.3	Peak	13.449	14.684	15	Pass

Agilent

Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.16 dBm #Atten 30 dB

Center 836.50 MHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4492 MHz	x dB	-26.00 dB
Transmit Freq Error	2.159 kHz	
x dB Bandwidth	14.684 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

9.29. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:29, Channel:26965, 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
841.5	99	26	0.3	Peak	13.408	14.574	15	Pass

Agilent

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

Ch Freq 841.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.17 dBm #Atten 30 dB

Center 841.50 MHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4080 MHz	x dB	-26.00 dB
Transmit Freq Error	-19.265 kHz	
x dB Bandwidth	14.574 MHz	

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9.30. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:30, Channel:26965, 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
841.5	99	26	0.3	Peak	13.44	14.527	15	Pass

Agilent

Measure

Ch Freq 841.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.17 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.17

dB

Center 841.50 MHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4396 MHz	x dB	-26.00 dB
Transmit Freq Error	-19.451 kHz	
x dB Bandwidth	14.527 MHz	

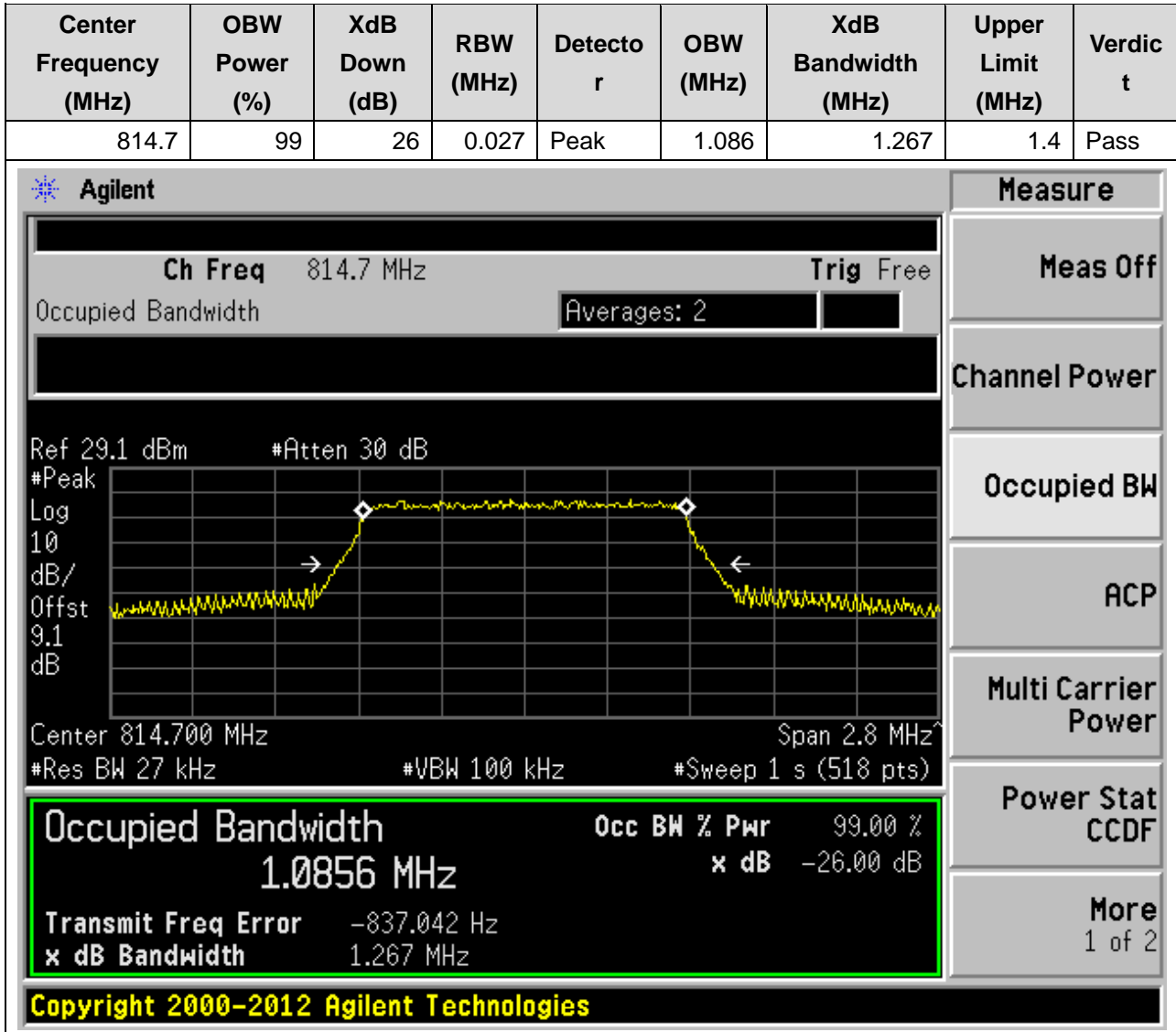
Power Stat
CCDF

More
1 of 2

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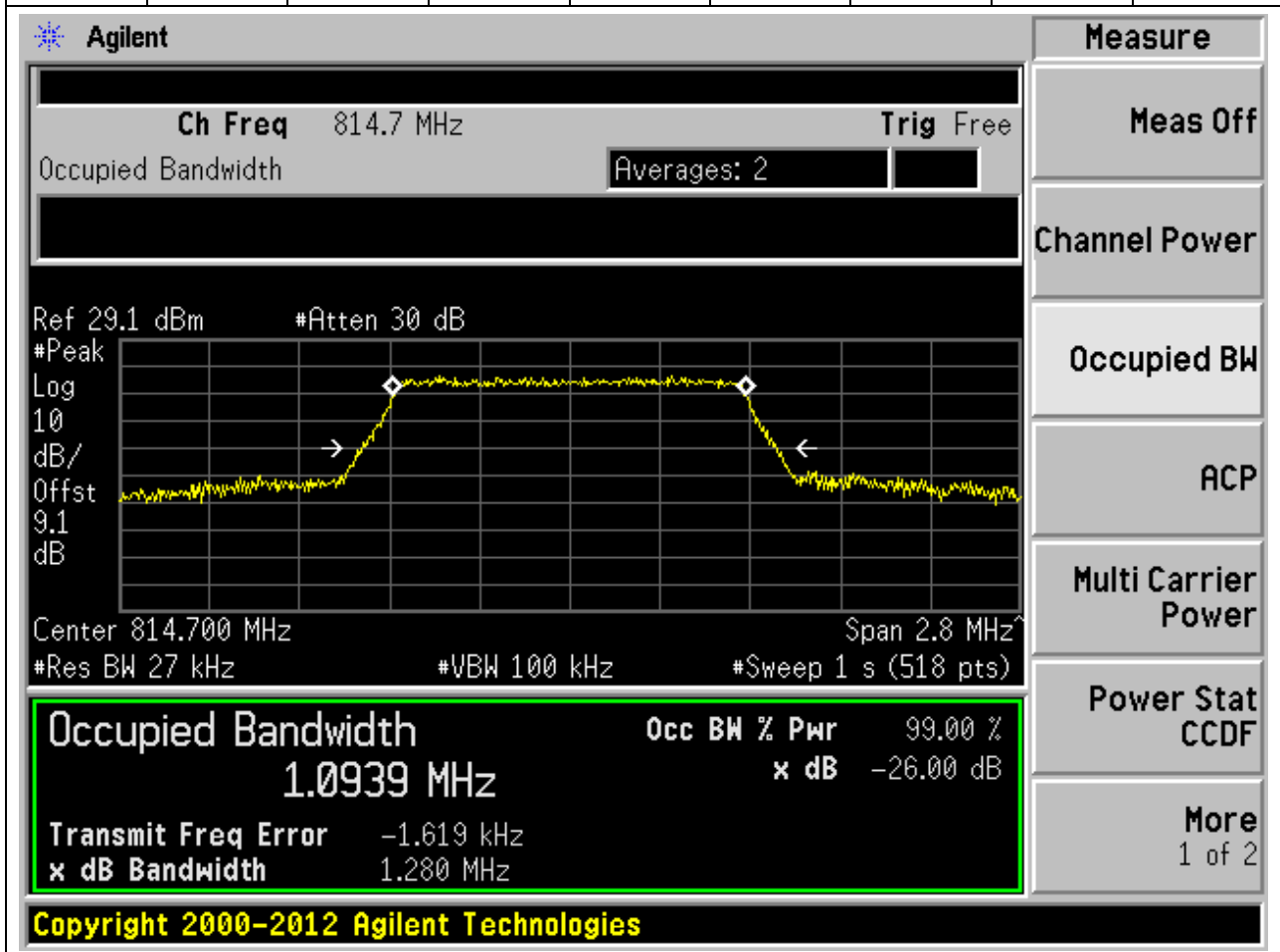
1. LTE_Band26(part90)

1.1. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:1, Channel:26697, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



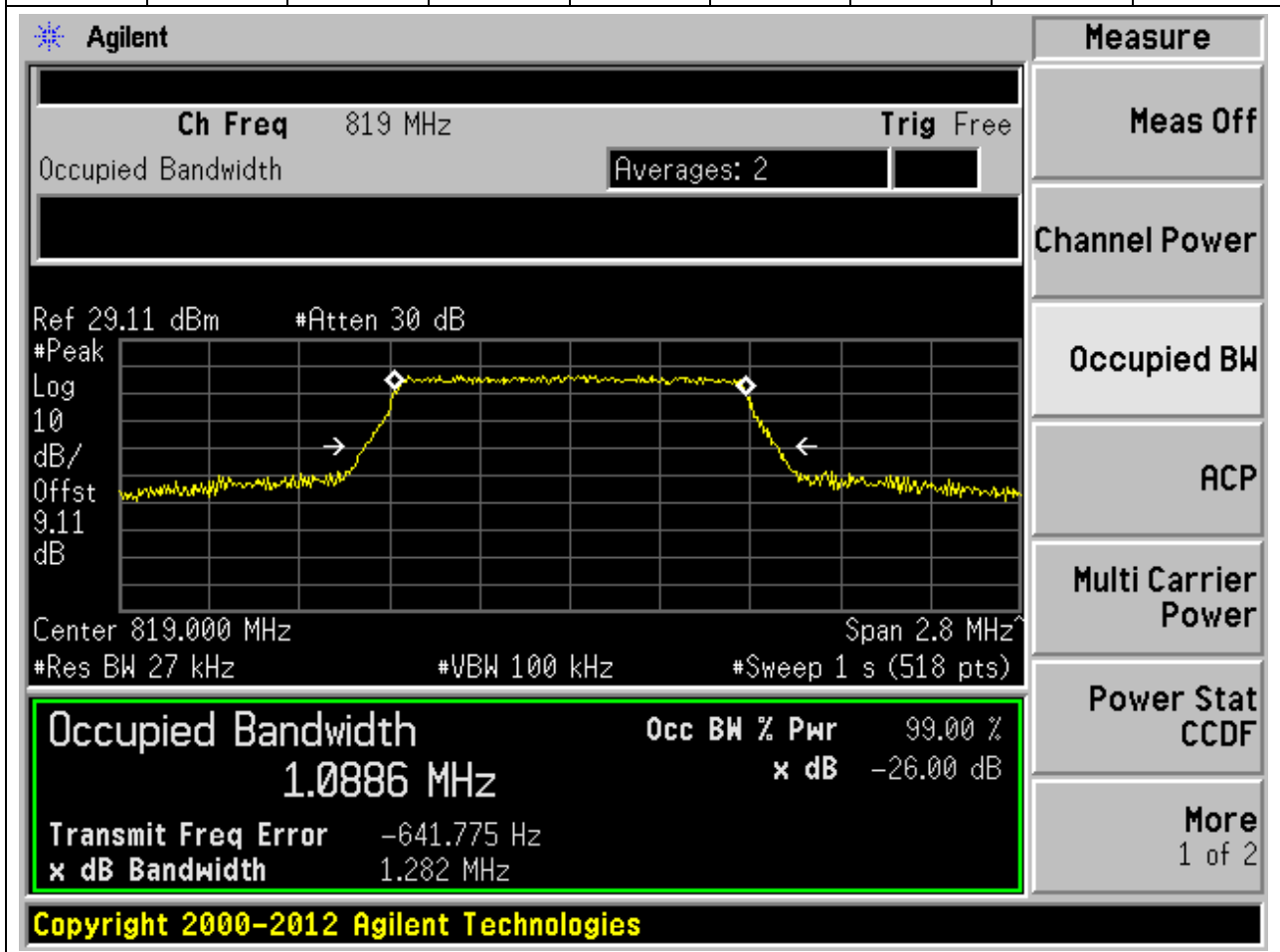
1.2. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:2, Channel:26697, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
814.7	99	26	0.027	Peak	1.094	1.28	1.4	Pass



1.3. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:3, Channel:26740, 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
819	99	26	0.027	Peak	1.089	1.282	1.4	Pass



1.4. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:4, Channel:26740, 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
819	99	26	0.027	Peak	1.087	1.26	1.4	Pass

Agilent

Measure

Ch Freq 819 MHz

Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.11 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.11

dB

Center 819.000 MHz
Span 2.8 MHz

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

Occupied Bandwidth

1.0868 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 281.846 Hz

x dB Bandwidth 1.260 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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1.5. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:5, Channel:26783, 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
823.3	99	26	0.027	Peak	1.092	1.259	1.4	Pass

Agilent

Measure

Ch Freq 823.3 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.13 dBm
#Atten 30 dB

#Peak
Log

Center 823.300 MHz
Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0916 MHz	x dB	-26.00 dB
Transmit Freq Error		-719.684 Hz
x dB Bandwidth		1.259 MHz

Power Stat
CCDF

More
1 of 2

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1.6. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:6, Channel:26783, 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
823.3	99	26	0.027	Peak	1.092	1.27	1.4	Pass

Agilent

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

Ch Freq 823.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.13 dBm #Atten 30 dB

Center 823.300 MHz Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0919 MHz	x dB	-26.00 dB
Transmit Freq Error	-388.516 Hz	
x dB Bandwidth	1.270 MHz	

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1.7. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:7, Channel:26705, 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
815.5	99	26	0.062	Peak	2.686	2.954	3	Pass

Agilent

Ch Freq 815.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.1 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.1 dB

Center 815.500 MHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6865 MHz	x dB	-26.00 dB
Transmit Freq Error	888.237 Hz	
x dB Bandwidth	2.954 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 Occupied Bandwidth_Part90(NTNV)(Subtest:8, Channel:26705, 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
815.5	99	26	0.062	Peak	2.686	2.98	3	Pass

Agilent

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

Ch Freq 815.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.1 dBm #Atten 30 dB

Center 815.500 MHz Span 6 MHz

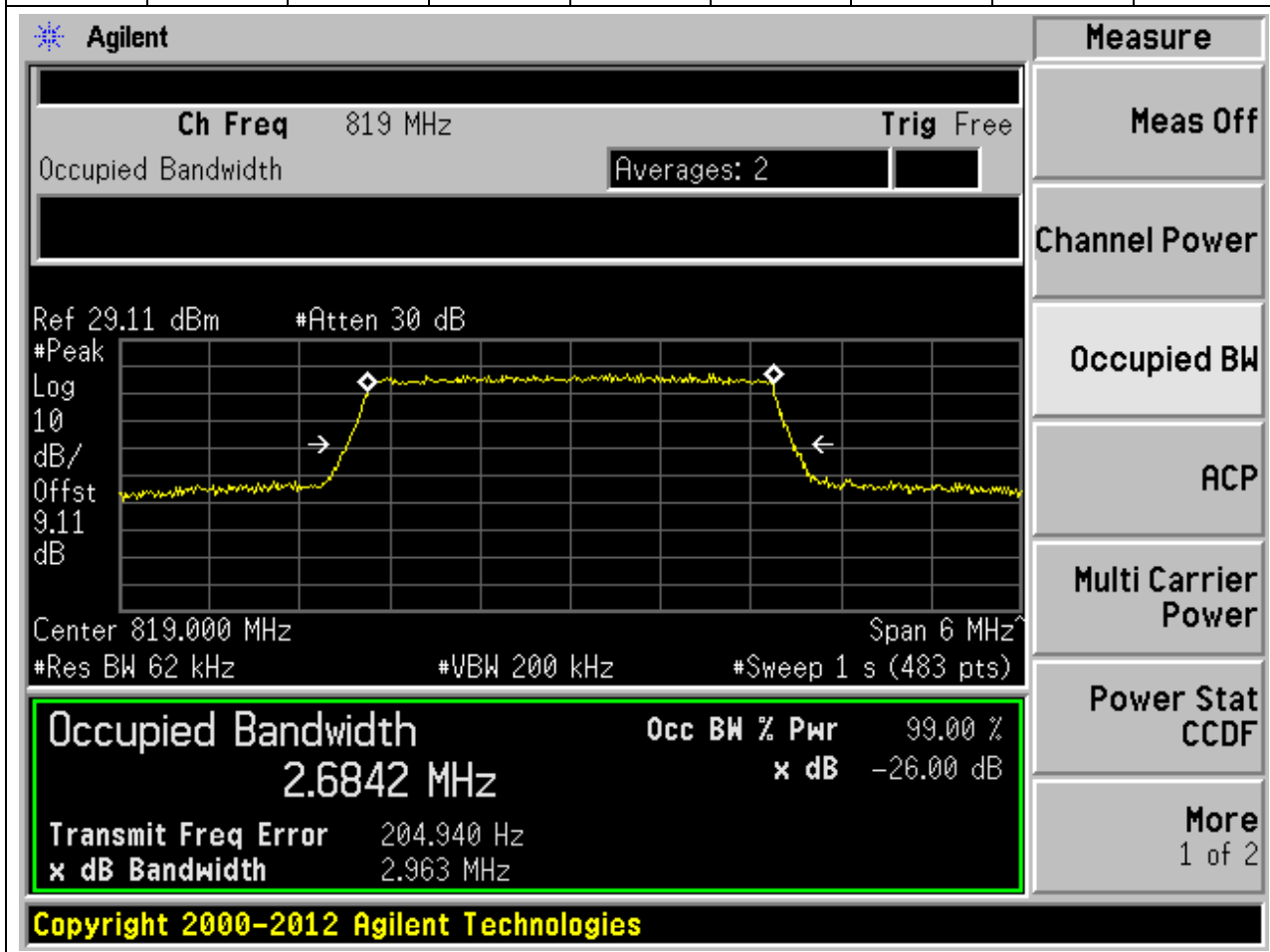
#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6858 MHz	x dB	-26.00 dB
Transmit Freq Error	1.024 kHz	
x dB Bandwidth	2.980 MHz	

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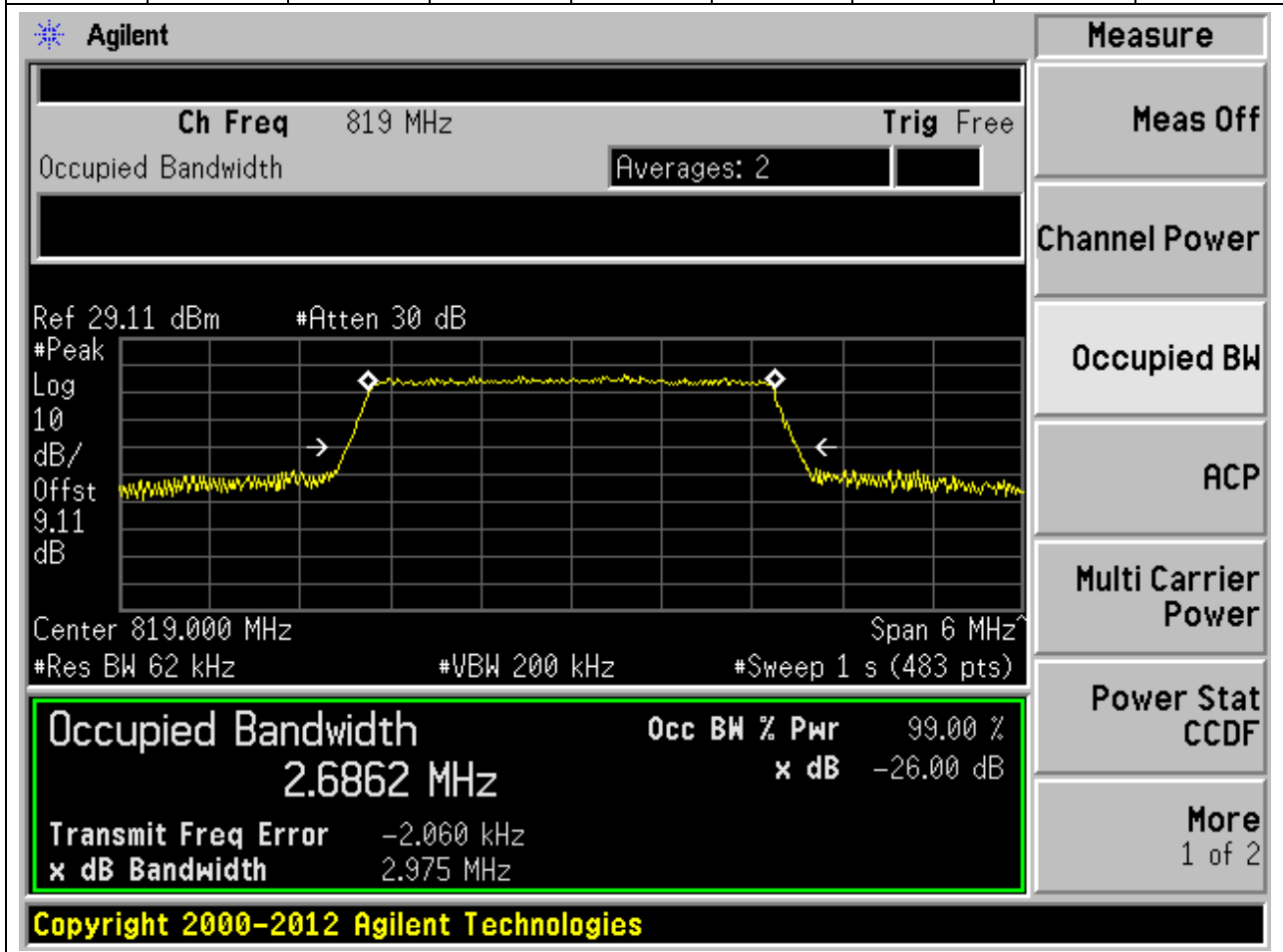
1.9. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:9, Channel:26740, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.684	2.963	3	Pass



1.10. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:10, Channel:26740, 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
819	99	26	0.062	Peak	2.686	2.975	3	Pass



1.11. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:11, Channel:26775, 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
822.5	99	26	0.062	Peak	2.687	2.965	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 822.500 MHz, and the span is 6 MHz. The occupied bandwidth is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6868 MHz	x dB	-26.00 dB
Transmit Freq Error		-990.530 Hz
x dB Bandwidth		2.965 MHz

Other parameters shown include: Ch Freq 822.5 MHz, Trig Free, Averages: 2, Ref 29.12 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.12 dB, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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1.12. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:12, Channel:26775, 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
822.5	99	26	0.062	Peak	2.681	2.964	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 822.500 MHz, and the span is 6 MHz. The occupied bandwidth is measured as 2.6813 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -1.927 kHz. The XdB bandwidth is 2.964 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 %
2.6813 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.927 kHz	
x dB Bandwidth	2.964 MHz	

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1.13. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:13, Channel:26715, 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
816.5	99	26	0.1	Peak	4.5	4.918	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 816.5 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 has a grid and is labeled with 'Ref 29.1 dBm' and '#Atten 30 dB'. The y-axis is labeled 'Log 10 dB/Offst 9.1 dB'. The x-axis is labeled 'Center 816.500 MHz' and 'Span 10 MHz'. Below the plot, the following parameters are shown: '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4997 MHz	x dB	-26.00 dB
Transmit Freq Error		2.238 kHz
x dB Bandwidth		4.918 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'. At the bottom of the screenshot, the text 'Copyright 2000-2012 Agilent Technologies' is visible.

1.14. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:14, Channel:26715, 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
816.5	99	26	0.1	Peak	4.495	4.884	5	Pass

Agilent

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

Ch Freq 816.5 MHz Trig Free

Occupied Bandwidth Averages: 2

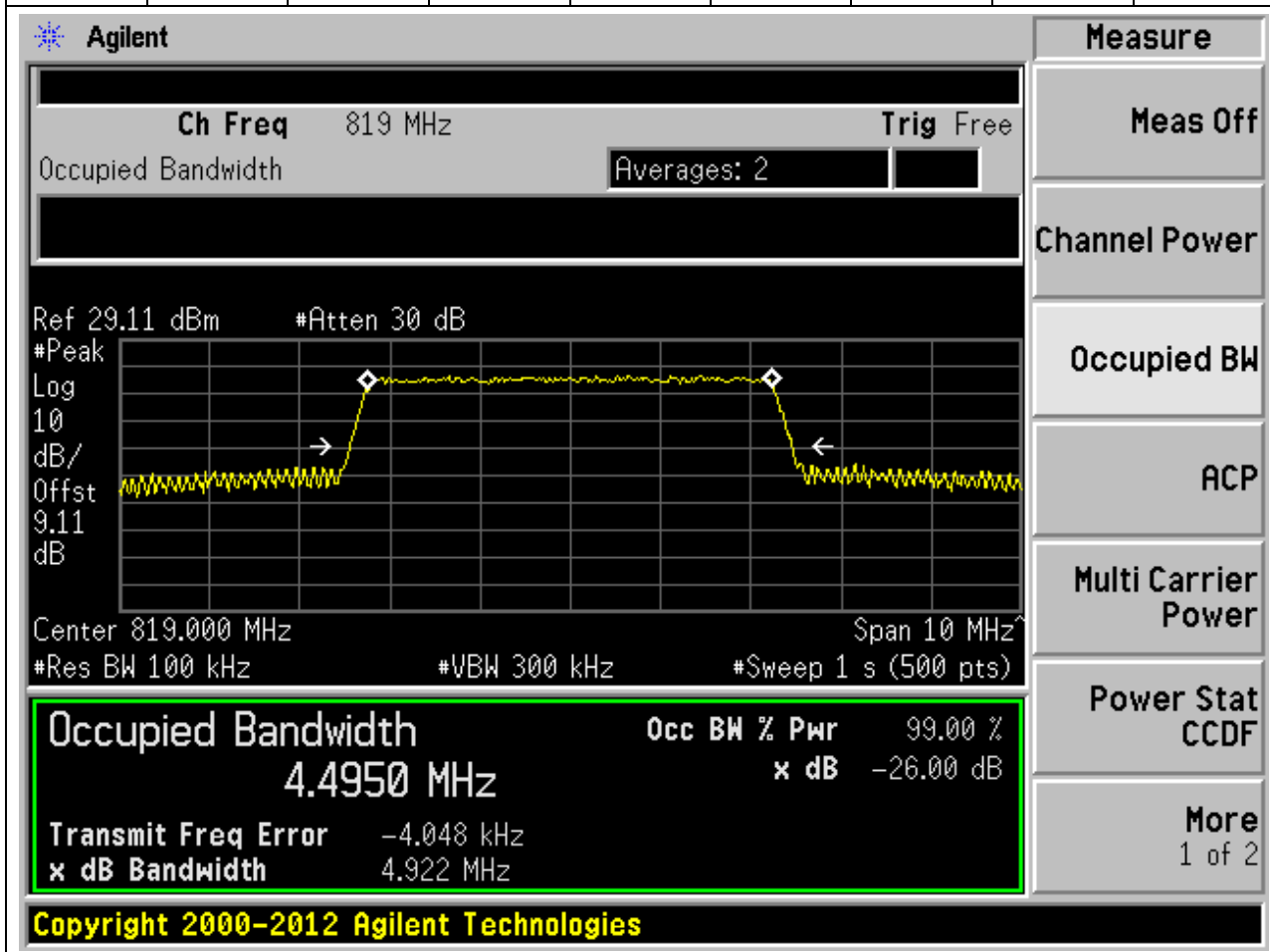
Ref 29.1 dBm #Atten 30 dB

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4951 MHz	x dB	-26.00 dB
Transmit Freq Error	2.745 kHz	
x dB Bandwidth	4.884 MHz	

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1.15. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:15, Channel:26740, 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
819	99	26	0.1	Peak	4.495	4.922	5	Pass



1.16. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:16, Channel:26740, 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
819	99	26	0.1	Peak	4.493	4.904	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 819.000 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 4.4933 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is 88.042 Hz, and the XdB bandwidth is 4.904 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 %
4.4933 MHz	x dB	-26.00 dB
Transmit Freq Error	88.042 Hz	
x dB Bandwidth	4.904 MHz	

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1.17. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:17, Channel:26765, 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
821.5	99	26	0.1	Peak	4.49	4.905	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 821.500 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 4.4898 MHz, which is 99.00% of the power. The XdB down is -26.00 dB. The transmit frequency error is 3.429 kHz, and the XdB bandwidth is 4.905 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'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4898 MHz	x dB	-26.00 dB
Transmit Freq Error	3.429 kHz	
x dB Bandwidth	4.905 MHz	

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1.18. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:18, Channel:26765, 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
821.5	99	26	0.1	Peak	4.493	4.929	5	Pass

Agilent

Measure

Ch Freq 821.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.12 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.12

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 %
4.4929 MHz	x dB	-26.00 dB
Transmit Freq Error	4.775 kHz	
x dB Bandwidth	4.929 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_Part90(NTNV)(Subtest:19, Channel:26740, 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
819	99	26	0.2	Peak	8.957	9.755	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 819.00 MHz and the span is 20 MHz. The occupied bandwidth is highlighted in a green box with the following values:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9569 MHz	x dB	-26.00 dB
Transmit Freq Error		11.604 kHz
x dB Bandwidth		9.755 MHz

Additional parameters shown include: Ch Freq 819 MHz, Trig Free, Averages: 2, Ref 29.11 dBm, #Atten 30 dB, #Peak Log 10 dB/Offst 9.11 dB, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts). The right-hand side of the interface shows a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2).

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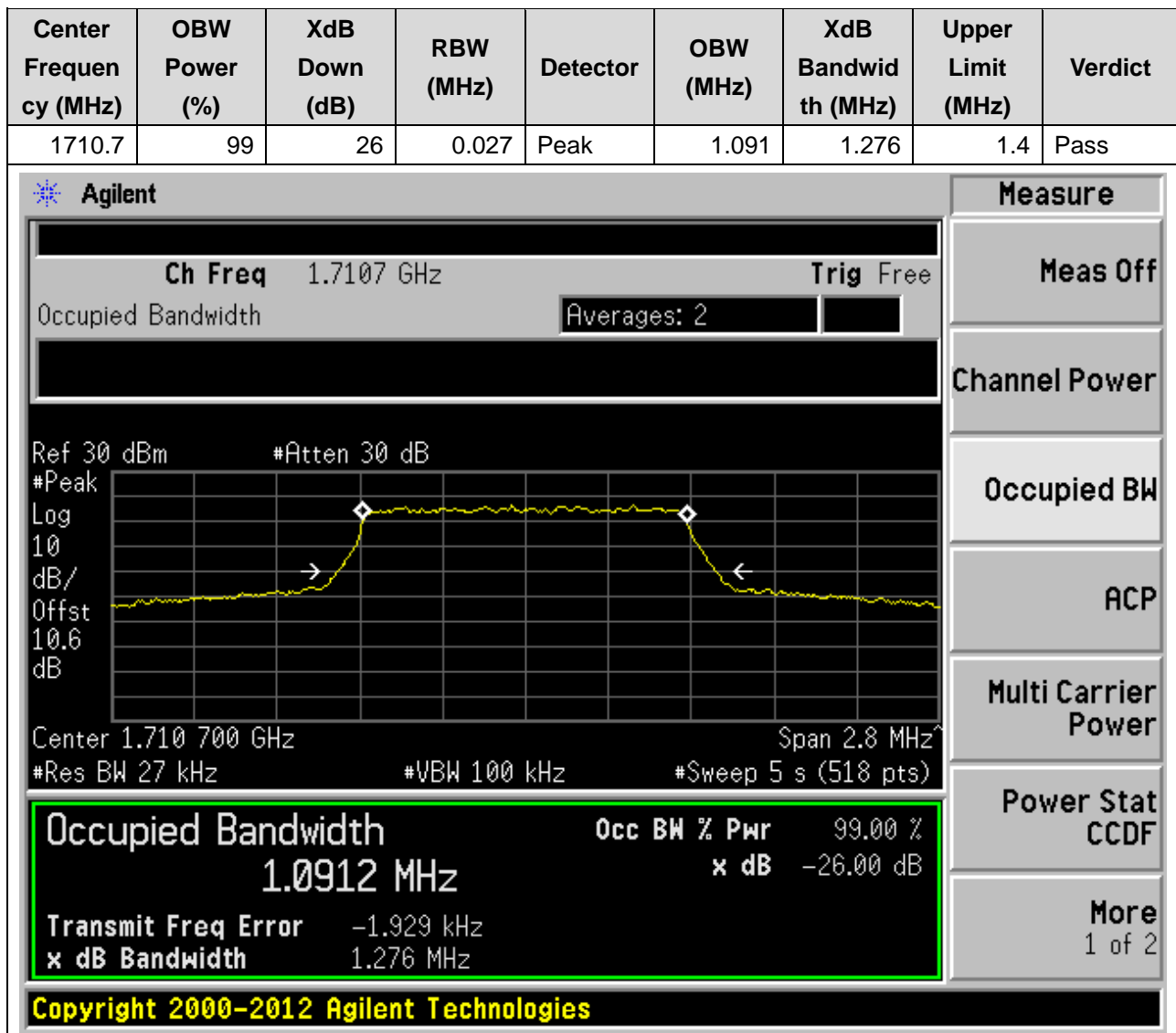
1.20. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:20, Channel:26740, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.2	Peak	8.946	9.721	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 819 MHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.11 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.11 dB', 'Center 819.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9457 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 15.680 kHz', and 'x dB Bandwidth 9.721 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.

10. LTE_Band66

10.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:131979, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)



10.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:131979, 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
1710.7	99	26	0.027	Peak	1.097	1.292	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7107 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 10.6 dB', 'Center 1.710 700 GHz', 'Span 2.8 MHz', '#Res BW 27 kHz', '#VBW 100 kHz', and '#Sweep 5 s (518 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 1.0970 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error -1.601 kHz' and 'x dB Bandwidth 1.292 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'.

10.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:132322, 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
1745	99	26	0.027	Peak	1.093	1.284	1.4	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.745 000 GHz Span 2.8 MHz

#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0928 MHz	x dB -26.00 dB
Transmit Freq Error 893.643 Hz	
x dB Bandwidth 1.284 MHz	

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10.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:132322, 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
1745	99	26	0.027	Peak	1.089	1.266	1.4	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.745 000 GHz Span 2.8 MHz

#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0891 MHz

x dB -26.00 dB

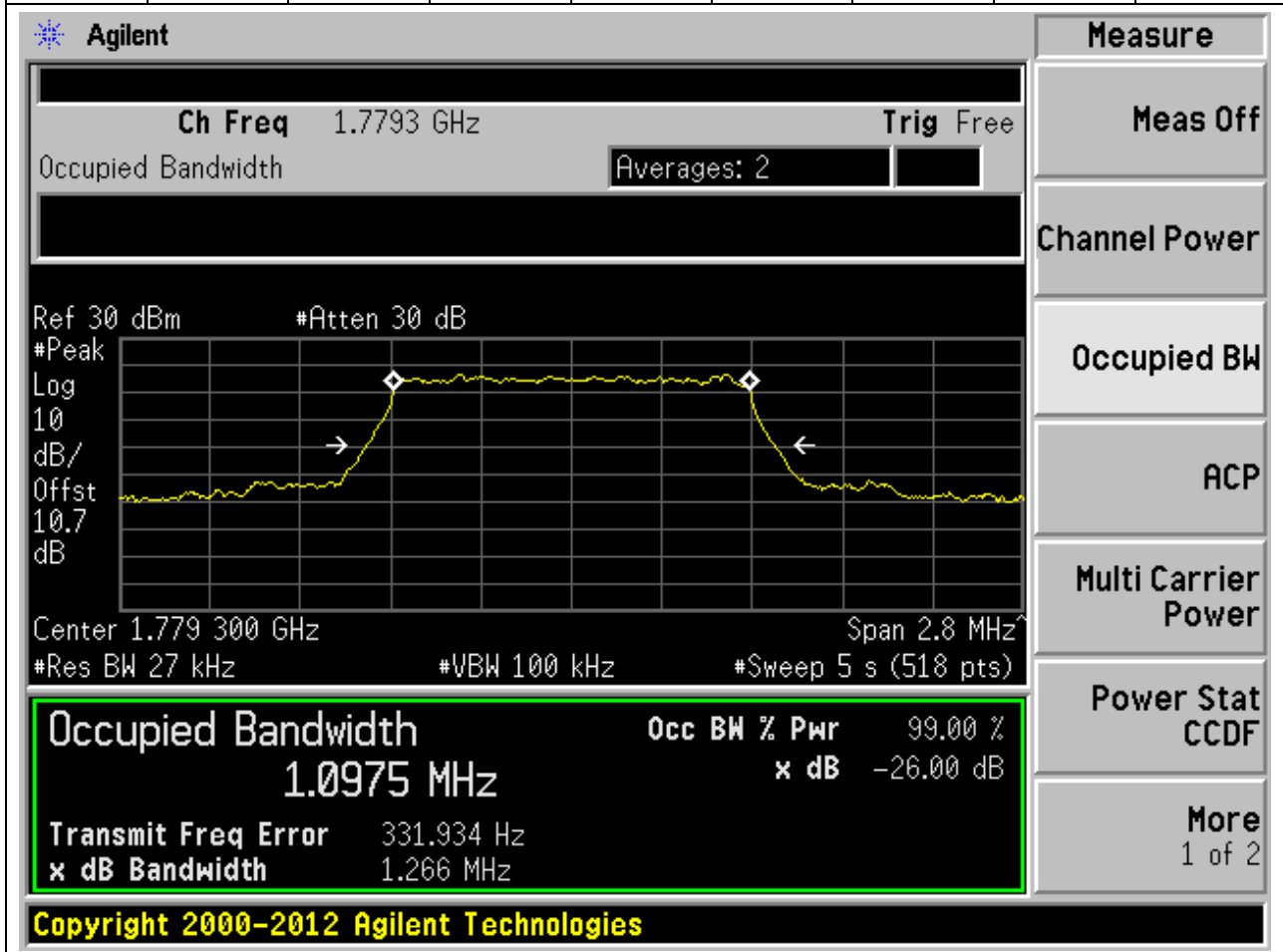
Transmit Freq Error -503.412 Hz

x dB Bandwidth 1.266 MHz

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10.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:132665, 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
1779.3	99	26	0.027	Peak	1.098	1.266	1.4	Pass



10.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:132665, 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
1779.3	99	26	0.027	Peak	1.091	1.276	1.4	Pass

Agilent

Measure

Ch Freq 1.7793 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.779 300 GHz Span 2.8 MHz

#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0909 MHz	x dB	-26.00 dB
Transmit Freq Error	47.710 Hz	
x dB Bandwidth	1.276 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:131987, 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
1711.5	99	26	0.062	Peak	2.699	2.976	3	Pass

Agilent

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.711 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 2.6985 MHz x dB -26.00 dB

Transmit Freq Error 804.859 Hz
 x dB Bandwidth 2.976 MHz

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Measure

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:131987, 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
1711.5	99	26	0.062	Peak	2.702	3.014	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7115 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale, 'dB/Offst 10.6 dB', and 'Ref 30 dBm #Atten 30 dB'. The plot shows a signal with a peak at approximately 1.7115 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.7020 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 7.235 kHz' and 'x dB Bandwidth 3.014 MHz'. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.7020 MHz	99.00 %	-26.00 dB

10.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:132322, 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
1745	99	26	0.062	Peak	2.695	2.987	3	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.745 000 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6948 MHz	x dB	-26.00 dB
Transmit Freq Error	1.369 kHz	
x dB Bandwidth	2.987 MHz	

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10.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:132322, 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
1745	99	26	0.062	Peak	2.691	2.997	3	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.745 000 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

2.6908 MHz

Transmit Freq Error -317.764 Hz

x dB Bandwidth 2.997 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:132657, 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
1778.5	99	26	0.062	Peak	2.692	2.983	3	Pass

Agilent

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

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.778 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6917 MHz	x dB	-26.00 dB
Transmit Freq Error	-524.049 Hz	
x dB Bandwidth	2.983 MHz	

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10.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:132657, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1778.5	99	26	0.062	Peak	2.687	2.975	3	Pass

Agilent

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

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.778 500 GHz Span 6 MHz

#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6867 MHz

x dB -26.00 dB

Transmit Freq Error -1.955 kHz

x dB Bandwidth 2.975 MHz

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10.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:131997, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.506	4.926	5	Pass

Agilent

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

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.712 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5062 MHz

x dB -26.00 dB

Transmit Freq Error -1.721 kHz

x dB Bandwidth 4.926 MHz

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10.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:131997, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.483	4.916	5	Pass

Agilent

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

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.712 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4833 MHz	x dB	-26.00 dB
Transmit Freq Error	1.772 kHz	
x dB Bandwidth	4.916 MHz	

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10.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:132322, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.498	4.922	5	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4976 MHz x dB -26.00 dB

Transmit Freq Error -1.129 kHz

x dB Bandwidth 4.922 MHz

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10.16. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:132322, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.1	Peak	4.508	4.933	5	Pass

Agilent

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

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.745 000 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5081 MHz	x dB	-26.00 dB
Transmit Freq Error	2.210 kHz	
x dB Bandwidth	4.933 MHz	

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10.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:132647, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.487	4.901	5	Pass

Agilent

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

Ch Freq 1.7775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.777 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4870 MHz	x dB	-26.00 dB
Transmit Freq Error	5.430 kHz	
x dB Bandwidth	4.901 MHz	

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10.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:132647, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.507	4.942	5	Pass

Agilent

Measure

Ch Freq 1.7775 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.777 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5072 MHz	x dB	-26.00 dB
Transmit Freq Error	5.141 kHz	
x dB Bandwidth	4.942 MHz	

Power Stat
CCDF

More
1 of 2

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10.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:132022, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.966	9.816	10	Pass

Agilent

Measure

Ch Freq 1.715 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

Center 1.715 00 GHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 5 s (500 pts)

Occupied Bandwidth

8.9662 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 9.491 kHz

x dB Bandwidth 9.816 MHz

Power Stat

CCDF

More

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10.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:132022, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.972	9.744	10	Pass

Agilent

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

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.715 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9716 MHz	x dB	-26.00 dB
Transmit Freq Error	18.584 kHz	
x dB Bandwidth	9.744 MHz	

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10.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:132322, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.941	9.757	10	Pass

Agilent

Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.6

dB

Center 1.745 00 GHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9407 MHz	x dB	-26.00 dB
Transmit Freq Error	8.115 kHz	
x dB Bandwidth	9.757 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:132322, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.956	9.78	10	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 00 GHz Span 20 MHz
#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9559 MHz	x dB	-26.00 dB
Transmit Freq Error	20.544 kHz	
x dB Bandwidth	9.780 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:132622, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.96	9.789	10	Pass

Agilent
Measure

Ch Freq 1.775 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.775 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9604 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.296 kHz	
x dB Bandwidth	9.789 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:132622, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.956	9.79	10	Pass

Agilent
Measure

Ch Freq 1.775 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.775 00 GHz Span 20 MHz
 #Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9559 MHz	x dB -26.00 dB
Transmit Freq Error -10.759 kHz	
x dB Bandwidth 9.790 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.25. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:25, Channel:132047, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.446	14.696	15	Pass

Agilent
Measure

Ch Freq 1.7175 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.717 50 GHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4458 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.242 kHz	
x dB Bandwidth	14.696 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.26. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:26, Channel:132047, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.474	14.622	15	Pass

Agilent
Measure

Ch Freq 1.7175 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.717 50 GHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4736 MHz	x dB	-26.00 dB
Transmit Freq Error	17.843 kHz	
x dB Bandwidth	14.622 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.27. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:27, Channel:132322, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.412	14.642	15	Pass

Agilent

Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 10.6
 dB

Center 1.745 00 GHz
Span 30 MHz

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

Occupied Bandwidth	13.4123 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	8.058 kHz		
x dB Bandwidth	14.642 MHz		

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

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10.28. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:28, Channel:132322, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.3	Peak	13.458	14.61	15	Pass

Agilent

Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.6

dB

Center 1.745 00 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4579 MHz	x dB	-26.00 dB
Transmit Freq Error	9.004 kHz	
x dB Bandwidth	14.610 MHz	

Power Stat
CCDF

More
1 of 2

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10.29. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:29, Channel:132597, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.431	14.695	15	Pass

Agilent
Measure

Ch Freq 1.7725 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
10.7
dB

Center 1.772 50 GHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4309 MHz	x dB -26.00 dB
Transmit Freq Error -6.493 kHz	
x dB Bandwidth 14.695 MHz	

More
1 of 2

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10.30. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:30, Channel:132597, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1772.5	99	26	0.3	Peak	13.477	14.636	15	Pass

Agilent
Measure

Ch Freq 1.7725 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.7

dB

Center 1.772 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4767 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.639 kHz	
x dB Bandwidth	14.636 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.31. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:31, Channel:132072, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.939	19.38	20	Pass

Agilent

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

Ch Freq 1.72 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.720 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9394 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.699 kHz	
x dB Bandwidth	19.380 MHz	

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10.32. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:32, Channel:132072, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.948	19.43	20	Pass

Agilent
Measure

Ch Freq 1.72 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.720 00 GHz Span 40 MHz
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9484 MHz	x dB	-26.00 dB
Transmit Freq Error	36.119 kHz	
x dB Bandwidth	19.430 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.33. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:33, Channel:132322, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.866	19.353	20	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.6

dB

Center 1.745 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8656 MHz	x dB	-26.00 dB
Transmit Freq Error	41.639 kHz	
x dB Bandwidth	19.353 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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10.34. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:34, Channel:132322, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.895	19.464	20	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.6

dB

Center 1.745 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8949 MHz	x dB	-26.00 dB
Transmit Freq Error	24.965 kHz	
x dB Bandwidth	19.464 MHz	

Power Stat
CCDF

More
1 of 2

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10.35. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:35, Channel:132572, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.97	19.588	20	Pass

Agilent
Measure

Ch Freq 1.77 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.770 00 GHz Span 40 MHz
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9697 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.450 kHz	
x dB Bandwidth	19.588 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

10.36. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:36, Channel:132572, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.933	19.408	20	Pass

Agilent
Measure

Ch Freq 1.77 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.770 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 5 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9326 MHz	x dB	-26.00 dB
Transmit Freq Error	11.043 kHz	
x dB Bandwidth	19.408 MHz	

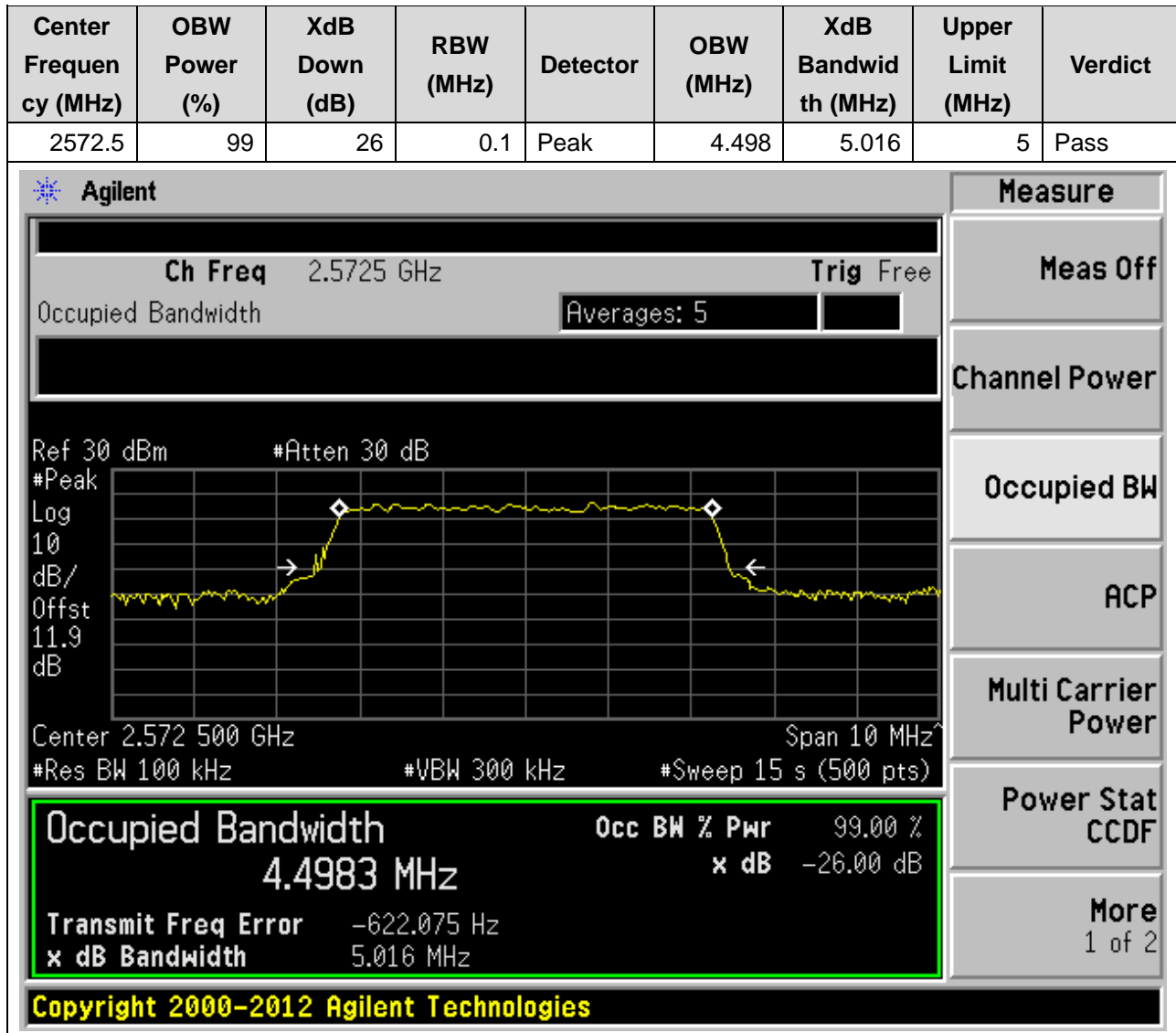
Power Stat
CCDF

More
1 of 2

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11. LTE_Band38

11.1. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:37775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



11.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:37775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2572.5	99	26	0.1	Peak	4.514	5.047	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.5725 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale, 'dB/Offst 11.9 dB', and 'Ref 30 dBm'. The plot shows a signal with a flat top and sloping sides, indicating a carrier signal. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 4.5138 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 1.379 kHz' and 'x dB Bandwidth 5.047 MHz'. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The copyright notice 'Copyright 2000-2012 Agilent Technologies' is visible at the bottom.

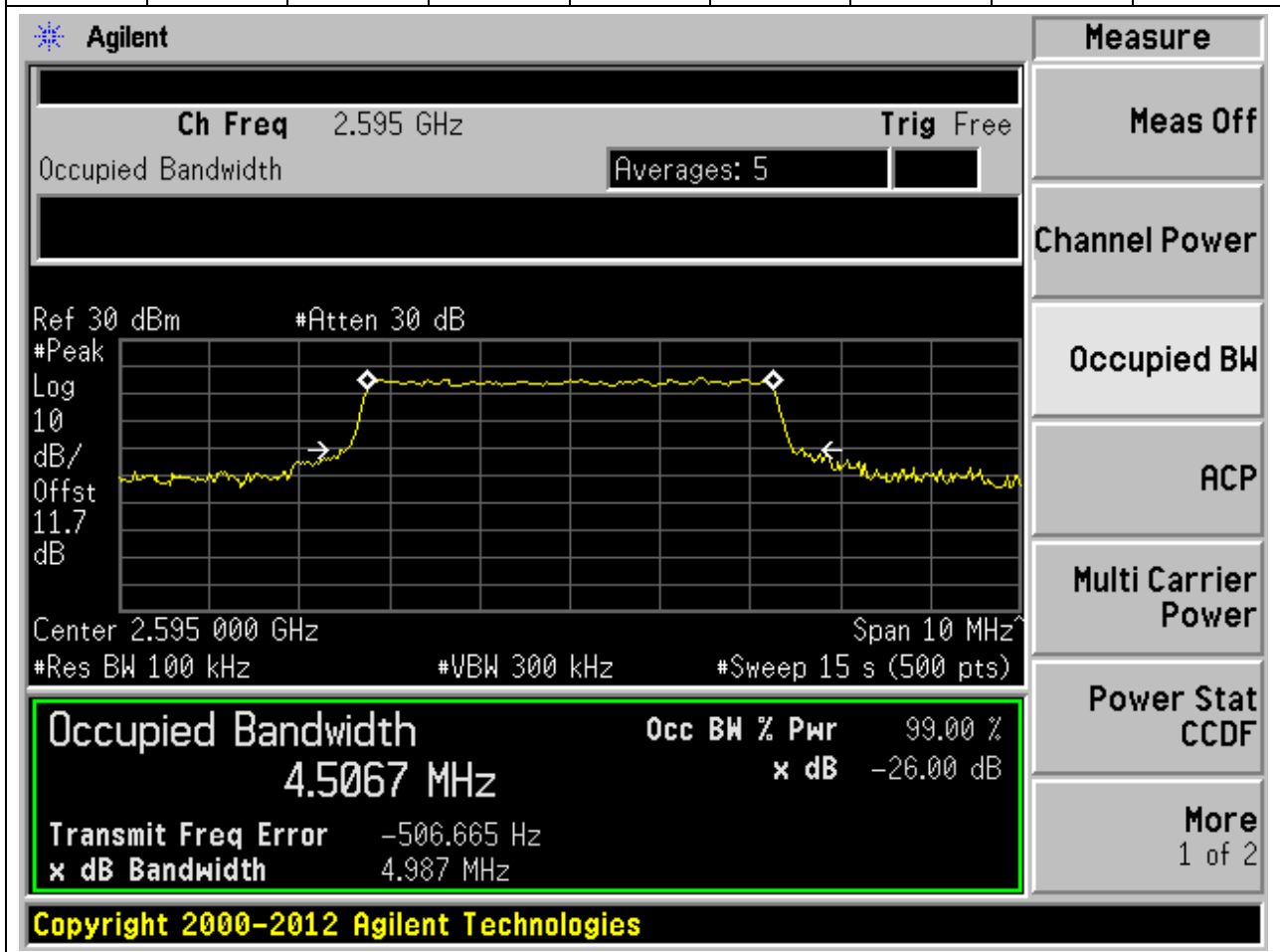
Occupied Bandwidth	Occ BW % Pwr	x dB
4.5138 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 1.379 kHz
x dB Bandwidth: 5.047 MHz

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11.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:38000, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.507	4.987	5	Pass



11.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:38000, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.1	Peak	4.492	4.954	5	Pass

Agilent

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 000 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4924 MHz	x dB	-26.00 dB
Transmit Freq Error		-730.818 Hz
x dB Bandwidth		4.954 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

11.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:38225, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.501	5.091	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.6175 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is shown with 'Averages: 5'. 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', '11.6 dB', 'Center 2.617 500 GHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 15 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.5011 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 3.364 kHz', and 'x dB Bandwidth 5.091 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'.

11.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:38225, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2617.5	99	26	0.1	Peak	4.509	4.982	5	Pass

Agilent

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

Ch Freq 2.6175 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.617 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5085 MHz	x dB	-26.00 dB
Transmit Freq Error	-773.084 Hz	
x dB Bandwidth	4.982 MHz	

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11.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:37800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	8.981	9.808	10	Pass

Agilent

Measure

Ch Freq 2.575 GHz
Trig Free

Occupied Bandwidth

Averages: 5

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.9

dB

Center 2.575 00 GHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 15 s (500 pts)

Occupied Bandwidth

8.9806 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 20.161 kHz

x dB Bandwidth 9.808 MHz

Power Stat CCDF

More

1 of 2

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11.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:37800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2575	99	26	0.2	Peak	8.987	9.803	10	Pass

Agilent
Measure

Ch Freq 2.575 GHz
Trig Free

Occupied Bandwidth
Averages: 5

Ref 30 dBm #Atten 30 dB

Center 2.575 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9873 MHz	x dB	-26.00 dB
Transmit Freq Error	5.030 kHz	
x dB Bandwidth	9.803 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

11.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:38000, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	8.978	9.841	10	Pass

Agilent

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9782 MHz	x dB	-26.00 dB
Transmit Freq Error		4.013 kHz
x dB Bandwidth		9.841 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

11.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:38000, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.2	Peak	8.954	9.791	10	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9539 MHz

x dB -26.00 dB

Transmit Freq Error -32.790 Hz

x dB Bandwidth 9.791 MHz

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11.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:38200, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.997	9.817	10	Pass

Agilent

Ch Freq 2.615 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.615 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9969 MHz	x dB	-26.00 dB
Transmit Freq Error		-7.121 kHz
x dB Bandwidth		9.817 MHz

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Measure

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:38200, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.993	10.562	10	Pass

Agilent

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

Ch Freq 2.615 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.615 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9931 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.044 kHz	
x dB Bandwidth	10.562 MHz	

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11.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:37825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.496	14.776	15	Pass

Agilent

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

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

Center 2.577 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4957 MHz	x dB	-26.00 dB
Transmit Freq Error	16.533 kHz	
x dB Bandwidth	14.776 MHz	

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11.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:37825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2577.5	99	26	0.3	Peak	13.488	15.276	15	Pass

Agilent
Measure

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak
Log 10 dB/Offst 11.8 dB
Center 2.577 50 GHz Span 30 MHz
#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth	13.4876 MHz	Occ BW % Pwr	99.00 %
		x dB	-26.00 dB
Transmit Freq Error	18.249 kHz		
x dB Bandwidth	15.276 MHz		

Power Stat CCDF

More 1 of 2

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11.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:38000, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.451	15.104	15	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4515 MHz	x dB	-26.00 dB
Transmit Freq Error	20.275 kHz	
x dB Bandwidth	15.104 MHz	

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11.16. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:38000, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.3	Peak	13.527	14.956	15	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5265 MHz	x dB	-26.00 dB
Transmit Freq Error	19.204 kHz	
x dB Bandwidth	14.956 MHz	

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11.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:38175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.423	15.231	15	Pass

Agilent

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

Ch Freq 2.6125 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

Center 2.612 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4232 MHz	x dB	-26.00 dB
Transmit Freq Error	6.260 kHz	
x dB Bandwidth	15.231 MHz	

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11.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:38175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2612.5	99	26	0.3	Peak	13.515	15.15	15	Pass

Agilent

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

Ch Freq 2.6125 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.612 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.5151 MHz

x dB -26.00 dB

Transmit Freq Error -9.104 kHz

x dB Bandwidth 15.150 MHz

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11.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:37850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.977	19.398	20	Pass

Agilent

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

Ch Freq 2.58 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
11.8
dB

Center 2.580 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9773 MHz

x dB -26.00 dB

Transmit Freq Error 9.848 kHz

x dB Bandwidth 19.398 MHz

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11.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:37850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.933	19.551	20	Pass

Agilent

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

Ch Freq 2.58 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.8 dB

Center 2.580 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9326 MHz	x dB	-26.00 dB
Transmit Freq Error	20.749 kHz	
x dB Bandwidth	19.551 MHz	

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11.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:38000, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.904	19.42	20	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

Center 2.595 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9044 MHz	x dB	-26.00 dB
Transmit Freq Error	35.658 kHz	
x dB Bandwidth	19.420 MHz	

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11.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:38000, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2595	99	26	0.39	Peak	17.948	20.599	20	Pass

Agilent

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

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.595 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.9482 MHz x dB -26.00 dB

Transmit Freq Error 22.628 kHz

x dB Bandwidth 20.599 MHz

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11.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:38150, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.942	19.804	20	Pass

Agilent

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

Ch Freq 2.61 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.610 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9421 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.120 kHz	
x dB Bandwidth	19.804 MHz	

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11.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:38150, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2610	99	26	0.39	Peak	17.909	19.416	20	Pass

Agilent

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

Ch Freq 2.61 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.610 00 GHz Span 40 MHz

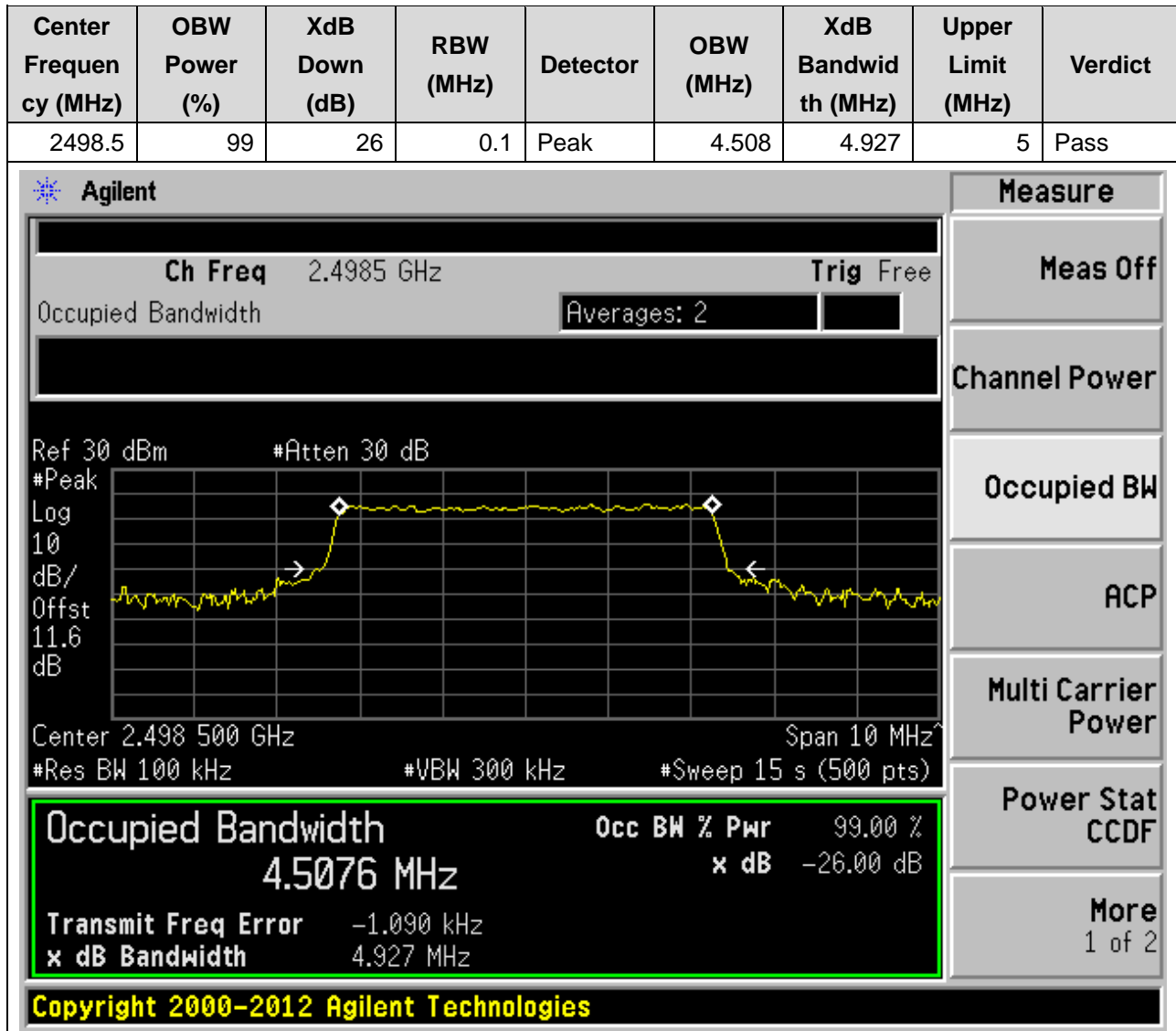
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9093 MHz	x dB	-26.00 dB
Transmit Freq Error		11.957 kHz
x dB Bandwidth		19.416 MHz

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12. LTE_Band41 full

12.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:39675, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)



12.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:39675, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2498.5	99	26	0.1	Peak	4.494	4.948	5	Pass

Agilent
Measure

Ch Freq 2.4985 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.6

dB

Center 2.498 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4940 MHz	x dB	-26.00 dB
Transmit Freq Error	2.397 kHz	
x dB Bandwidth	4.948 MHz	

Power Stat
CCDF

More
1 of 2

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12.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:40620, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.499	5.087	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.593 GHz' and 'Trig Free'. Below this, the 'Occupied Bandwidth' measurement is active, with 'Averages: 2'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10', 'dB/Offst 11.7 dB', 'Center 2.593 000 GHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 15 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4988 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 6.748 kHz', and 'x dB Bandwidth 5.087 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.

12.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:40620, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.1	Peak	4.501	4.936	5	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.593 000 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5013 MHz

x dB -26.00 dB

Transmit Freq Error 951.727 Hz

x dB Bandwidth 4.936 MHz

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12.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:41565, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.495	4.939	5	Pass

Agilent

Measure

Ch Freq 2.6875 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

dB

Center 2.687 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4945 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.649 kHz	
x dB Bandwidth	4.939 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat

CCDF

More

1 of 2

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12.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:41565, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2687.5	99	26	0.1	Peak	4.507	5.038	5	Pass

Agilent

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

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.8 dB

Center 2.687 500 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.5070 MHz x dB -26.00 dB

Transmit Freq Error -1.814 kHz

x dB Bandwidth 5.038 MHz

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12.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:39700, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	8.979	9.808	10	Pass

Agilent

Measure

Ch Freq 2.501 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.6

dB

Center 2.501 00 GHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9791 MHz	x dB	-26.00 dB
Transmit Freq Error	22.228 kHz	
x dB Bandwidth	9.808 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:39700, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2501	99	26	0.2	Peak	8.979	9.82	10	Pass

Agilent
Measure

Ch Freq 2.501 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.6 dB

Center 2.501 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9793 MHz	x dB	-26.00 dB
Transmit Freq Error	9.419 kHz	
x dB Bandwidth	9.820 MHz	

More
1 of 2

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12.25. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:40620, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.976	9.982	10	Pass

Agilent
Measure

Ch Freq 2.593 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 20 MHz
 #Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9760 MHz	x dB -26.00 dB
Transmit Freq Error 2.380 kHz	
x dB Bandwidth 9.982 MHz	

Power Stat CCDF
More 1 of 2

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12.26. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:40620, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.2	Peak	8.946	9.74	10	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.593 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9463 MHz	x dB	-26.00 dB
Transmit Freq Error	-442.126 Hz	
x dB Bandwidth	9.740 MHz	

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12.27. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:41540, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	8.994	9.809	10	Pass

Agilent
Measure

Ch Freq 2.685 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

11.8

dB

Center 2.685 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 kHz

#Sweep 15 s (500 pts)

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

8.9938 MHz **x dB** -26.00 dB

Transmit Freq Error -10.508 kHz

x dB Bandwidth 9.809 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.28. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:41540, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2685	99	26	0.2	Peak	8.985	10.576	10	Pass

Agilent
Measure

Ch Freq 2.685 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.8

dB

Center 2.685 00 GHz
Span 20 MHz

#Res BW 200 kHz
#VBW 620 kHz
#Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9850 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.769 kHz	
x dB Bandwidth	10.576 MHz	

Power Stat
CCDF

More
1 of 2

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12.29. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:39725, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.47	14.747	15	Pass

Agilent

Measure

Ch Freq 2.5035 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.6

dB

Center 2.503 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 1 MHz
#Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4697 MHz	x dB	-26.00 dB
Transmit Freq Error	22.779 kHz	
x dB Bandwidth	14.747 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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12.30. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:39725, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2503.5	99	26	0.3	Peak	13.476	15.2	15	Pass

Agilent

Measure

Ch Freq 2.5035 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.6

dB

Center 2.503 50 GHz
Span 30 MHz

#Res BW 300 kHz
#VBW 1 MHz
#Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4764 MHz	x dB	-26.00 dB
Transmit Freq Error	14.135 kHz	
x dB Bandwidth	15.200 MHz	

Meas Off
Channel Power

Occupied BW
ACP

Multi Carrier Power
Power Stat

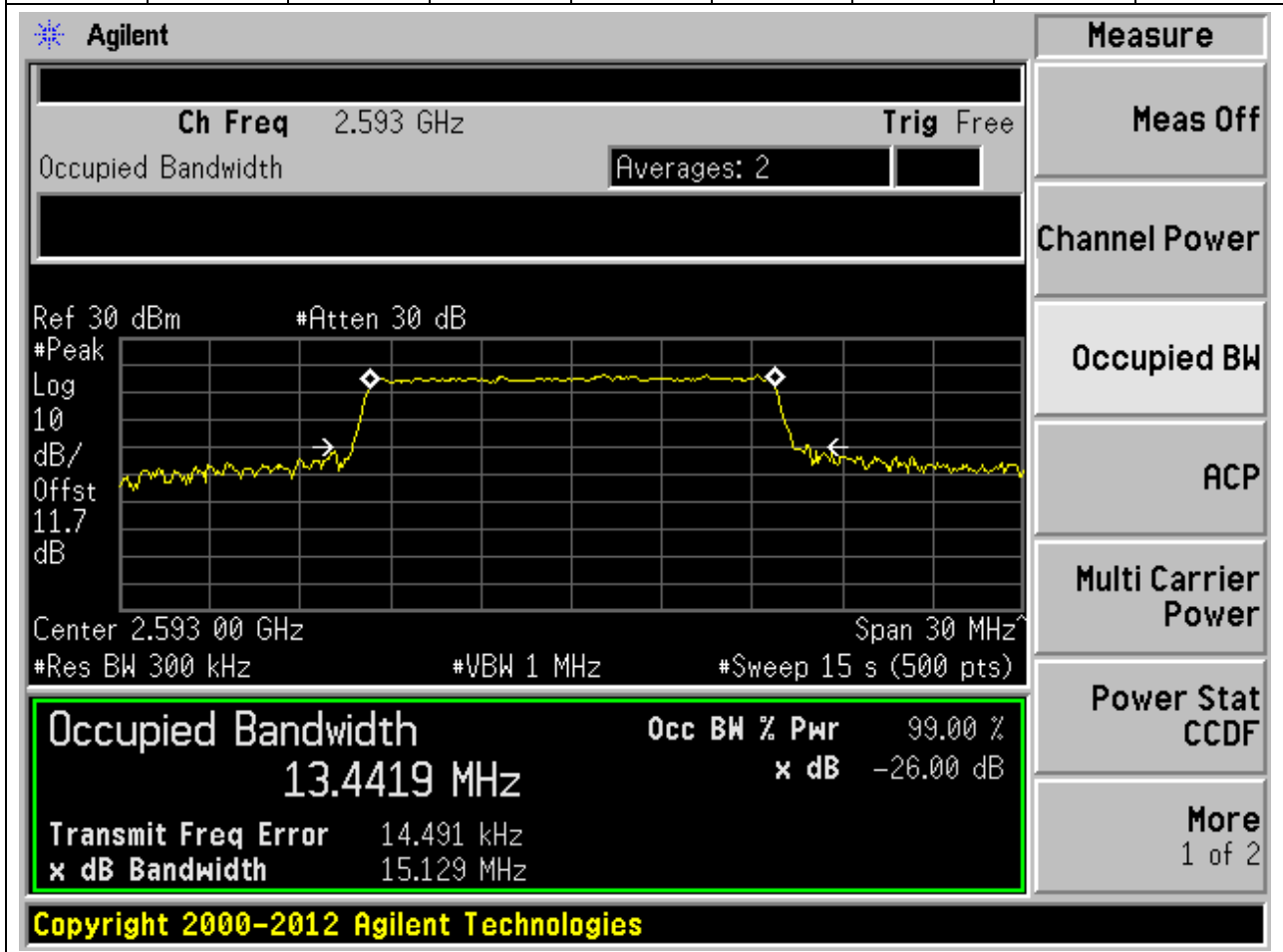
CCDF
More

1 of 2

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12.31. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:40620, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.442	15.129	15	Pass



12.32. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:40620, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.3	Peak	13.497	14.767	15	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4975 MHz	x dB	-26.00 dB
Transmit Freq Error	20.668 kHz	
x dB Bandwidth	14.767 MHz	

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12.33. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:41515, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.43	15.183	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.6825 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is labeled with 'Ref 30 dBm', '#Peak Log 10 dB/Offst 11.8 dB', and '#Atten 30 dB'. The plot shows a signal with a flat top and sloped sides, characteristic of a channel. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen, showing a value of 13.4297 MHz. Other parameters shown include 'Transmit Freq Error -15.834 kHz' and 'x dB Bandwidth 15.183 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 displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4297 MHz	x dB	-26.00 dB
Transmit Freq Error	-15.834 kHz	
x dB Bandwidth	15.183 MHz	

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12.34. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:41515, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2682.5	99	26	0.3	Peak	13.503	15.551	15	Pass

Agilent

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

Ch Freq 2.6825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.682 50 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 15 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5032 MHz	x dB	-26.00 dB
Transmit Freq Error	-16.813 kHz	
x dB Bandwidth	15.551 MHz	

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12.35. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.954	19.372	20	Pass

Agilent
Measure

Ch Freq 2.506 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.506 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9545 MHz	x dB	-26.00 dB
Transmit Freq Error	11.318 kHz	
x dB Bandwidth	19.372 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

12.36. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:39750, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2506	99	26	0.39	Peak	17.909	19.528	20	Pass

Agilent
Measure

Ch Freq 2.506 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.5

dB

Center 2.506 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9092 MHz	x dB	-26.00 dB
Transmit Freq Error	18.326 kHz	
x dB Bandwidth	19.528 MHz	

Power Stat
CCDF

More
1 of 2

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12.37. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:40620, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.912	19.402	20	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9121 MHz	x dB	-26.00 dB
Transmit Freq Error	35.746 kHz	
x dB Bandwidth	19.402 MHz	

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12.38. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:40620, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2593	99	26	0.39	Peak	17.938	20.065	20	Pass

Agilent

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

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.593 00 GHz Span 40 MHz

#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9385 MHz	x dB	-26.00 dB
Transmit Freq Error	20.071 kHz	
x dB Bandwidth	20.065 MHz	

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12.39. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.941	19.813	20	Pass

Agilent
Measure

Ch Freq 2.68 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.7

dB

Center 2.680 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9412 MHz	x dB	-26.00 dB
Transmit Freq Error		-22.876 kHz
x dB Bandwidth		19.813 MHz

Power Stat
CCDF

More
1 of 2

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12.40. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2680	99	26	0.39	Peak	17.896	19.371	20	Pass

Agilent

Measure

Ch Freq 2.68 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.7
 dB

Center 2.680 00 GHz
Span 40 MHz

#Res BW 390 kHz
#VBW 1.2 MHz
#Sweep 15 s (512 pts)

Occupied Bandwidth

17.8963 MHz

Transmit Freq Error -9.618 kHz

x dB Bandwidth 19.371 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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Meas Off

Channel Power

Occupied BW

ACP

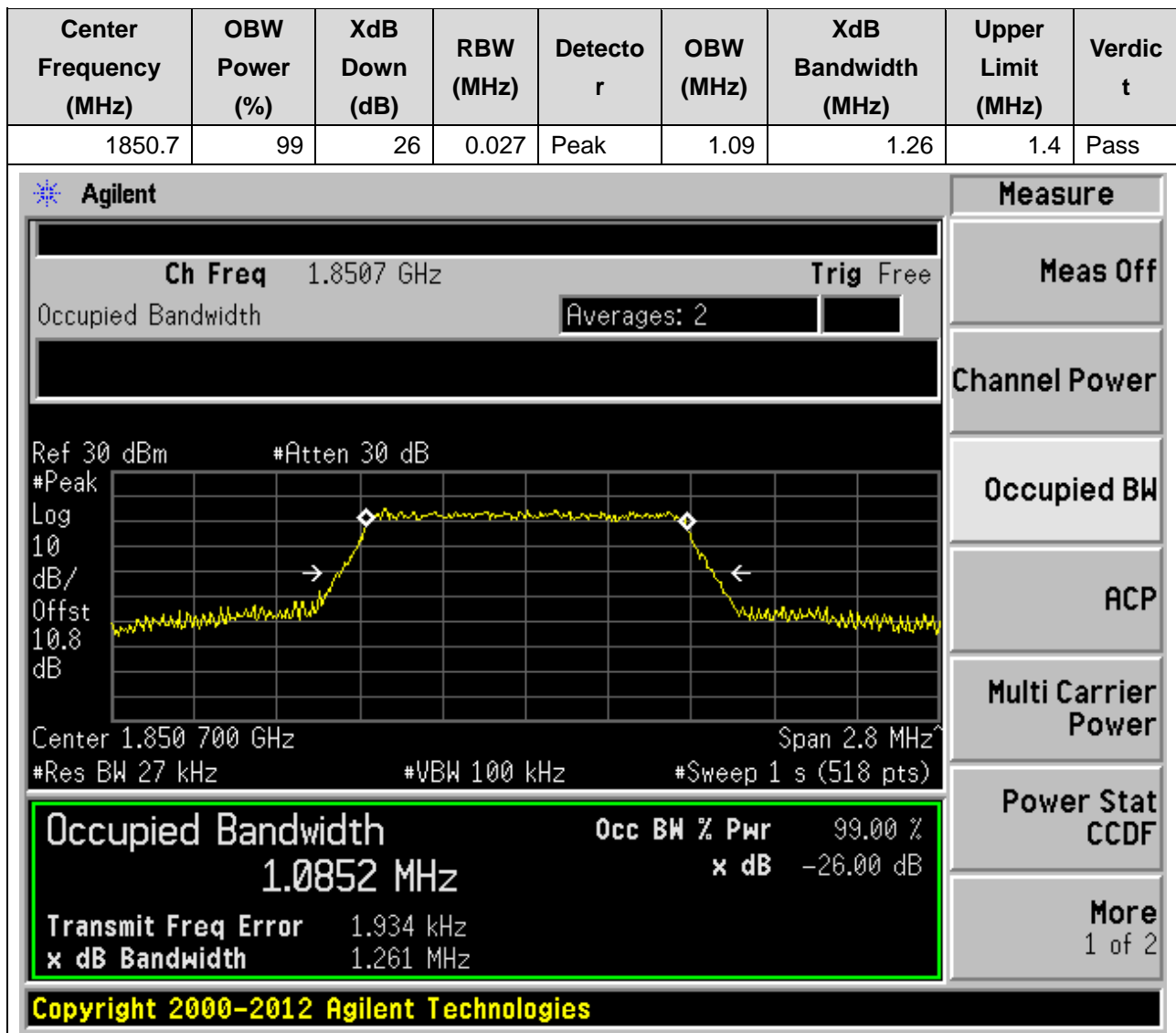
Multi Carrier Power

Power Stat CCDF

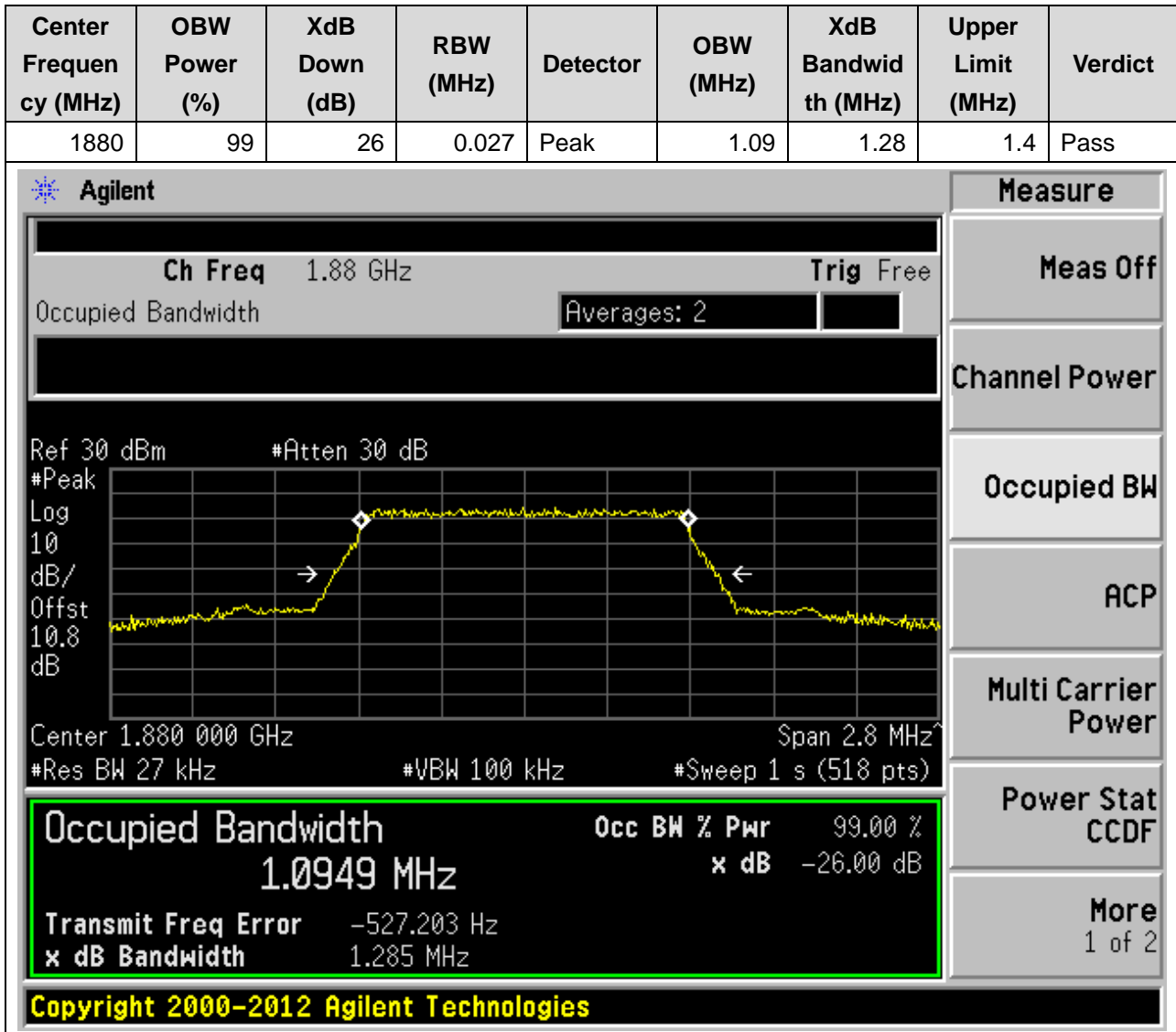
More
1 of 2

1. LTE_Band2

1.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18607, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



1.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18900, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



1.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19193, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.3	99	26	0.027	Peak	1.09	1.26	1.4	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.9093 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 10.9 dB', 'Center 1.909 300 GHz', '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 1.0866 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -1.342 kHz', and 'x dB Bandwidth 1.260 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'.

1.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18615, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

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

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.8515 GHz with a span of 6 MHz. The y-axis is labeled 'dB/Offst' and has a reference level of 30 dB. The plot shows a flat signal level with two diamond markers indicating the occupied bandwidth limits. The 'Occupied Bandwidth' measurement is highlighted in a green box, showing a value of 2.6861 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error' of -6.288 kHz and 'x dB Bandwidth' of 2.981 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 displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

1.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18900, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.062	Peak	2.68	2.97	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.88 GHz with a span of 6 MHz. The y-axis is labeled 'dB/Offst' with a value of 10.8 dB. The plot shows a flat top with two diamond markers indicating the measurement points. The 'Occupied Bandwidth' is highlighted in a green box at the bottom of the screen.

Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.880 000 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %
2.6812 MHz x dB -26.00 dB

Transmit Freq Error -1.817 kHz
x dB Bandwidth 2.968 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

1.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19185, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

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

Agilent

Ch Freq 1.9085 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.908500 GHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6868 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.897 kHz
x dB Bandwidth		2.973 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 Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18625, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.49	4.9	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.8525 GHz with a span of 10 MHz. The y-axis is labeled 'dB/Offst' with a value of 10.8 dB. The plot shows a signal with a peak at approximately 1.8525 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 4.4894 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -4.406 kHz and the 'x dB Bandwidth' is 4.903 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.4894 MHz	99.00 %	-26.00 dB

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1.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18900, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.5	4.91	5	Pass

Agilent

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.880 000 GHz Span 10 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

4.4991 MHz x dB -26.00 dB

Transmit Freq Error -484.835 Hz

x dB Bandwidth 4.907 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 Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19175, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.5	99	26	0.1	Peak	4.48	4.9	5	Pass

Agilent
Measure

Ch Freq 1.9075 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.9

dB

Center 1.907 500 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4850 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.308 kHz	
x dB Bandwidth	4.897 MHz	

Power Stat
CCDF

More
1 of 2

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1.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18650, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1855	99	26	0.2	Peak	8.96	9.75	10	Pass

Agilent
Measure

Ch Freq 1.855 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.855 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9588 MHz x dB -26.00 dB

Transmit Freq Error 3.821 kHz

x dB Bandwidth 9.751 MHz

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1.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18900, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.2	Peak	8.94	9.71	10	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', 'Log 10 dB/Offst 10.8 dB', 'Center 1.880 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9410 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -675.251 Hz', and 'x dB Bandwidth 9.708 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'.

1.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19150, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1905	99	26	0.2	Peak	8.95	9.74	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.905 GHz. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is set to a reference level of 30 dBm and an attenuation of 30 dB. The occupied bandwidth is highlighted in a green box, showing a value of 8.9549 MHz. The percentage of power within this bandwidth is 99.00%, and the attenuation is -26.00 dB. Other parameters shown include a transmit frequency error of 3.820 kHz and an x dB bandwidth of 9.737 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'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9549 MHz	99.00 %	-26.00 dB

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1.13. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18675, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1857.5	99	26	0.3	Peak	13.42	14.64	15	Pass

Agilent

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

Ch Freq 1.8575 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.857 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4174 MHz	x dB	-26.00 dB
Transmit Freq Error	1.294 kHz	
x dB Bandwidth	14.643 MHz	

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1.14. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18900, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.3	Peak	13.42	14.63	15	Pass

Agilent
Measure

Ch Freq 1.88 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 10.8 dB

Center 1.880 00 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4186 MHz	x dB	-26.00 dB
Transmit Freq Error	17.010 kHz	
x dB Bandwidth	14.631 MHz	

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1.15. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19125, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1902.5	99	26	0.3	Peak	13.43	14.6	15	Pass

Agilent

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

Ch Freq 1.9025 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.902 50 GHz Span 30 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

13.4317 MHz

x dB -26.00 dB

Transmit Freq Error 5.371 kHz

x dB Bandwidth 14.605 MHz

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1.16. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18700, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1860	99	26	0.39	Peak	17.89	19.36	20	Pass

Agilent

Ch Freq 1.86 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.9 dB

Center 1.860 00 GHz Span 40 MHz

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

Occupied Bandwidth 17.8890 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 5.018 kHz

x dB Bandwidth 19.359 MHz

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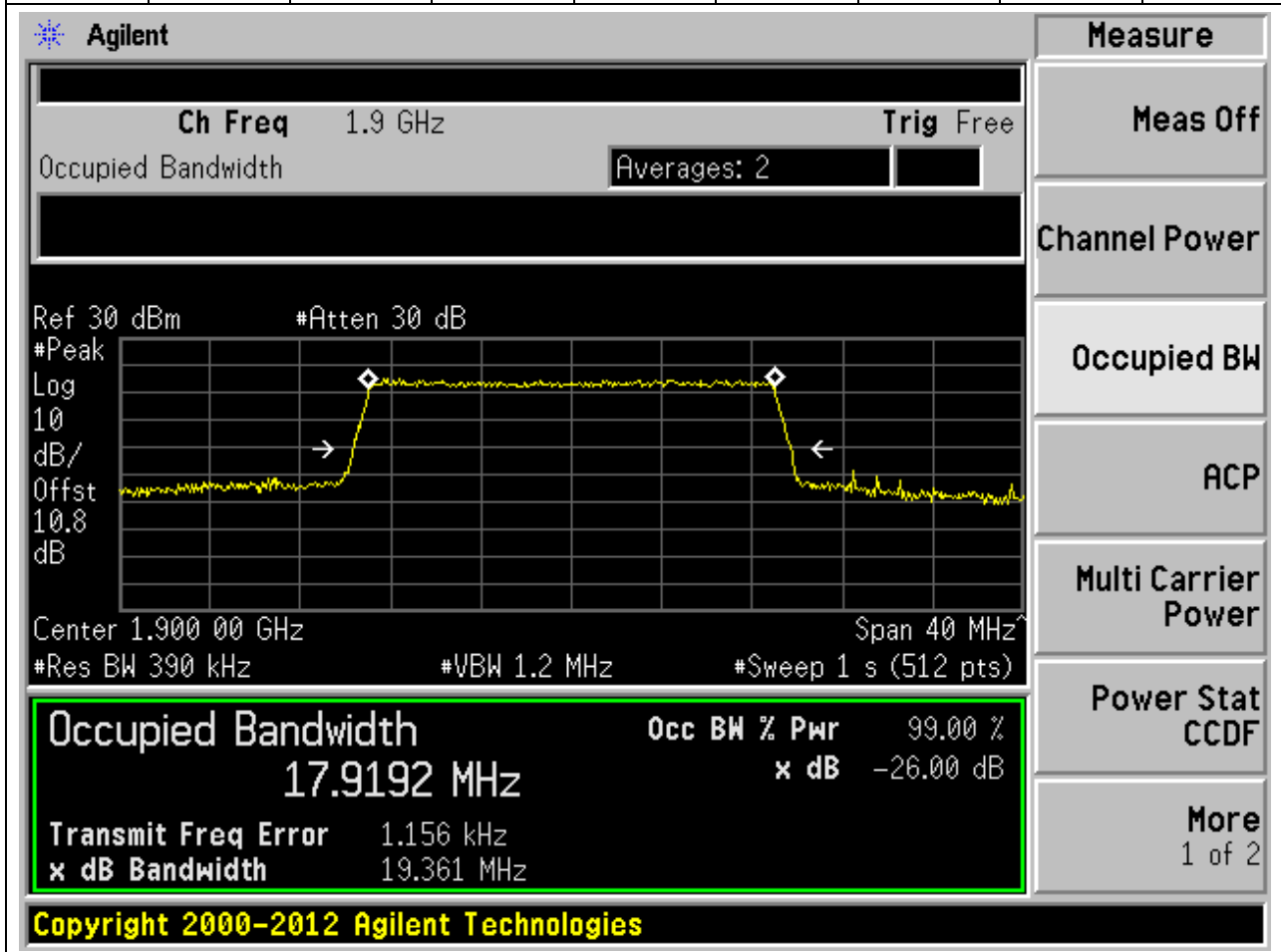
1.17. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:18900, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.39	Peak	17.89	19.33	20	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', 'Log 10 dB/Offst 10.8 dB', 'Center 1.880 00 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 1 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.8852 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 7.031 kHz' and 'x dB Bandwidth 19.335 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

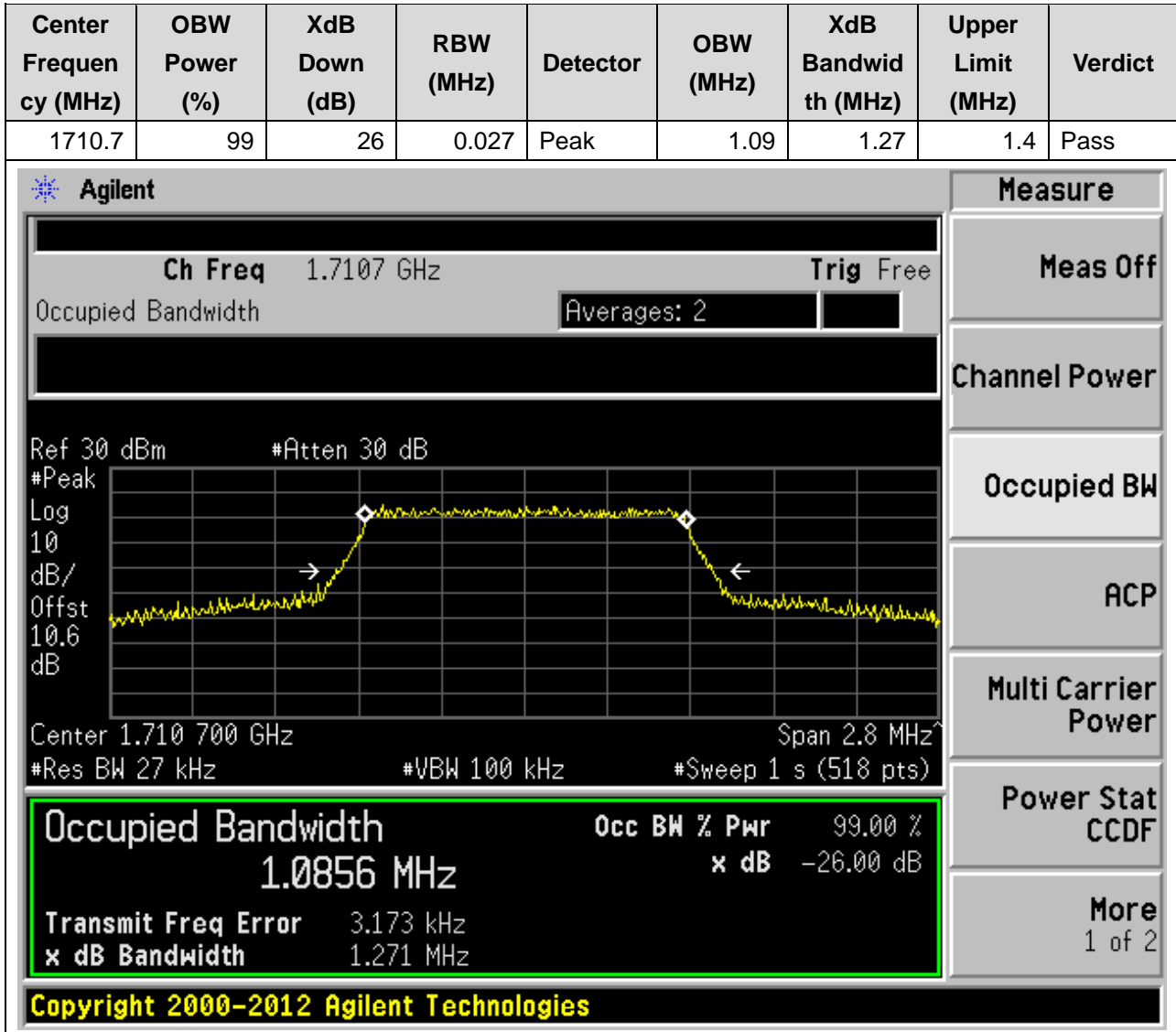
1.18. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19100, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1900	99	26	0.39	Peak	17.92	19.36	20	Pass



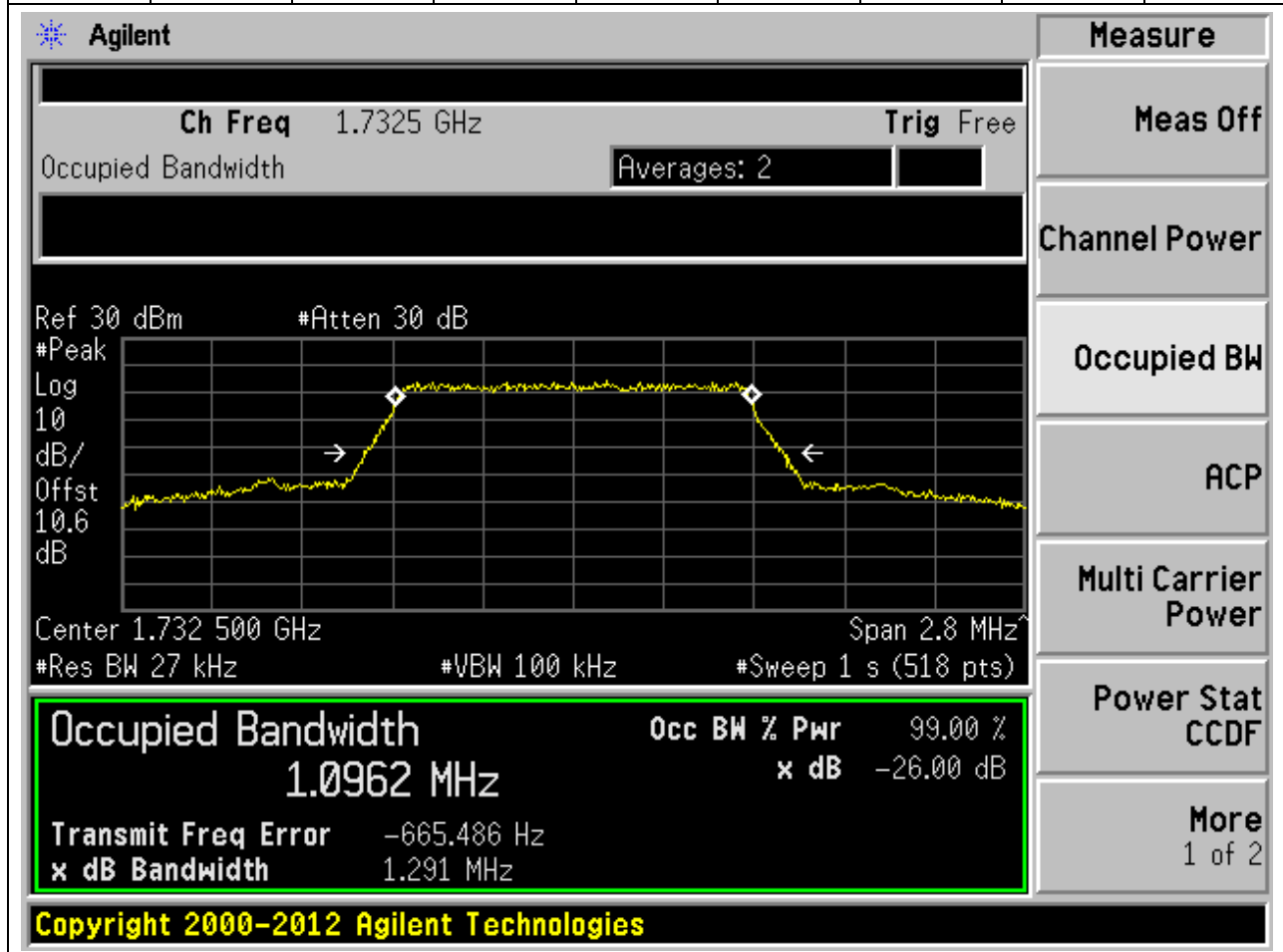
2. LTE_Band4

2.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19957, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



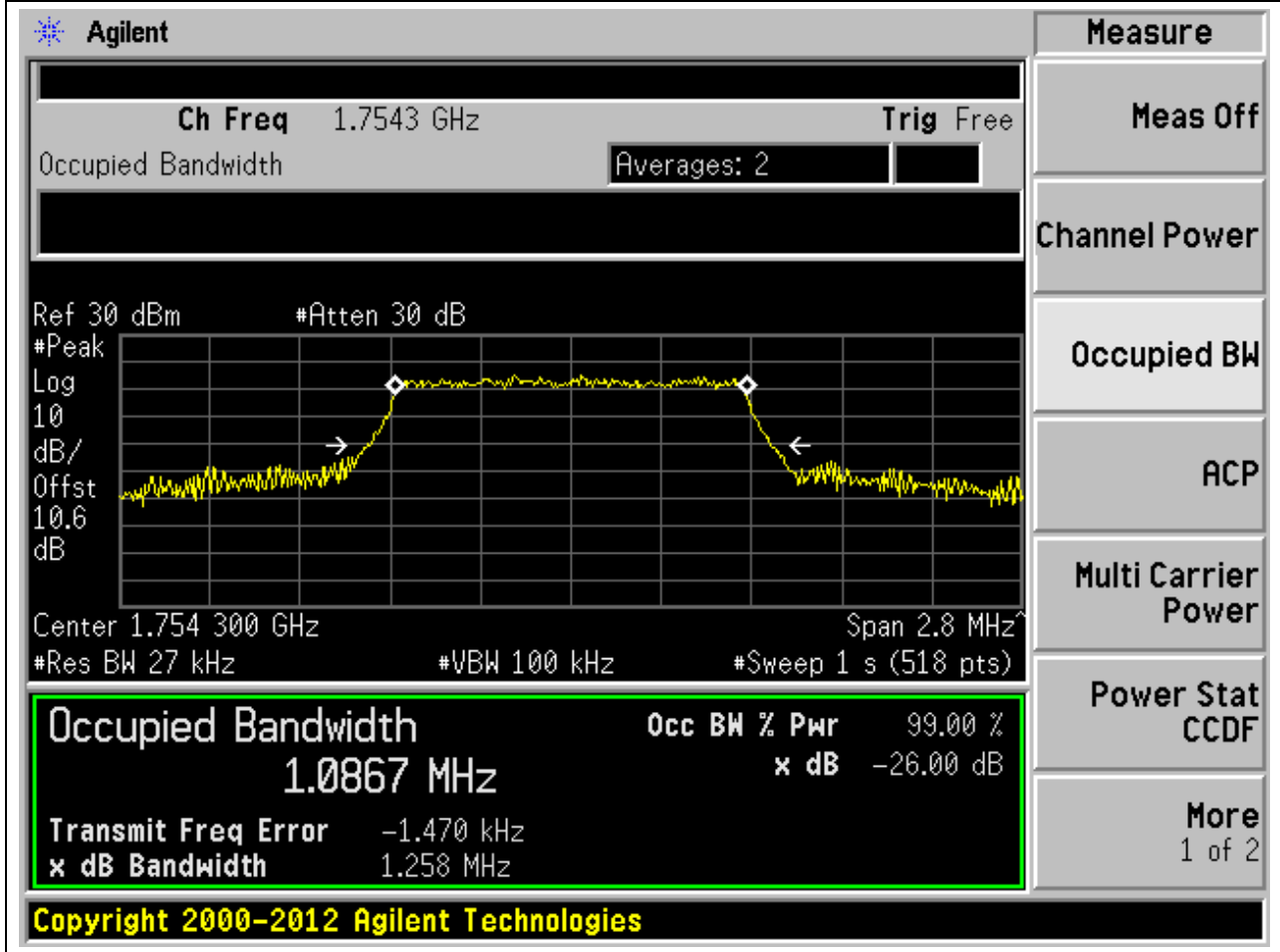
2.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20175, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.027	Peak	1.1	1.29	1.4	Pass



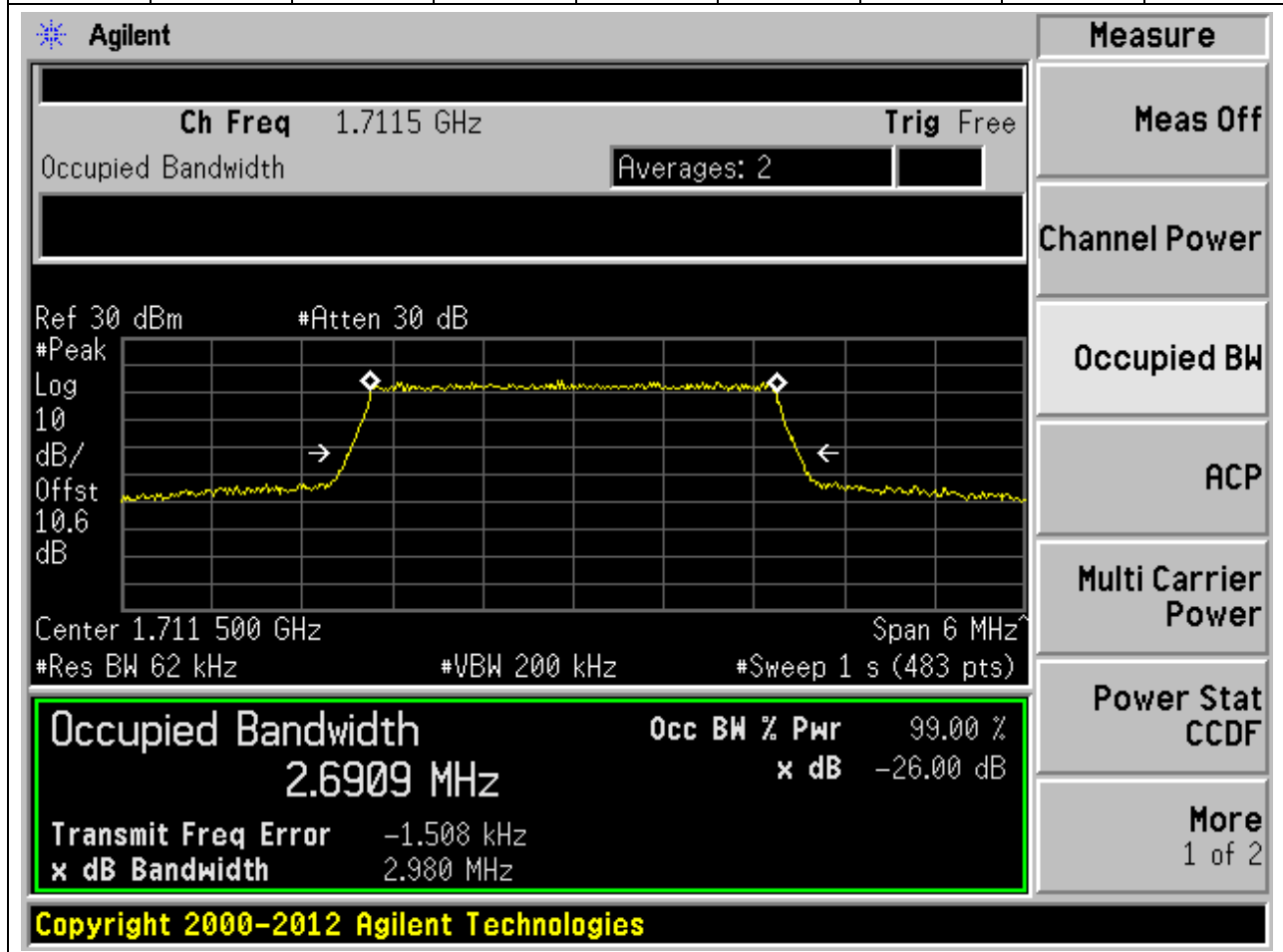
2.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20393, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1754.3	99	26	0.027	Peak	1.09	1.26	1.4	Pass



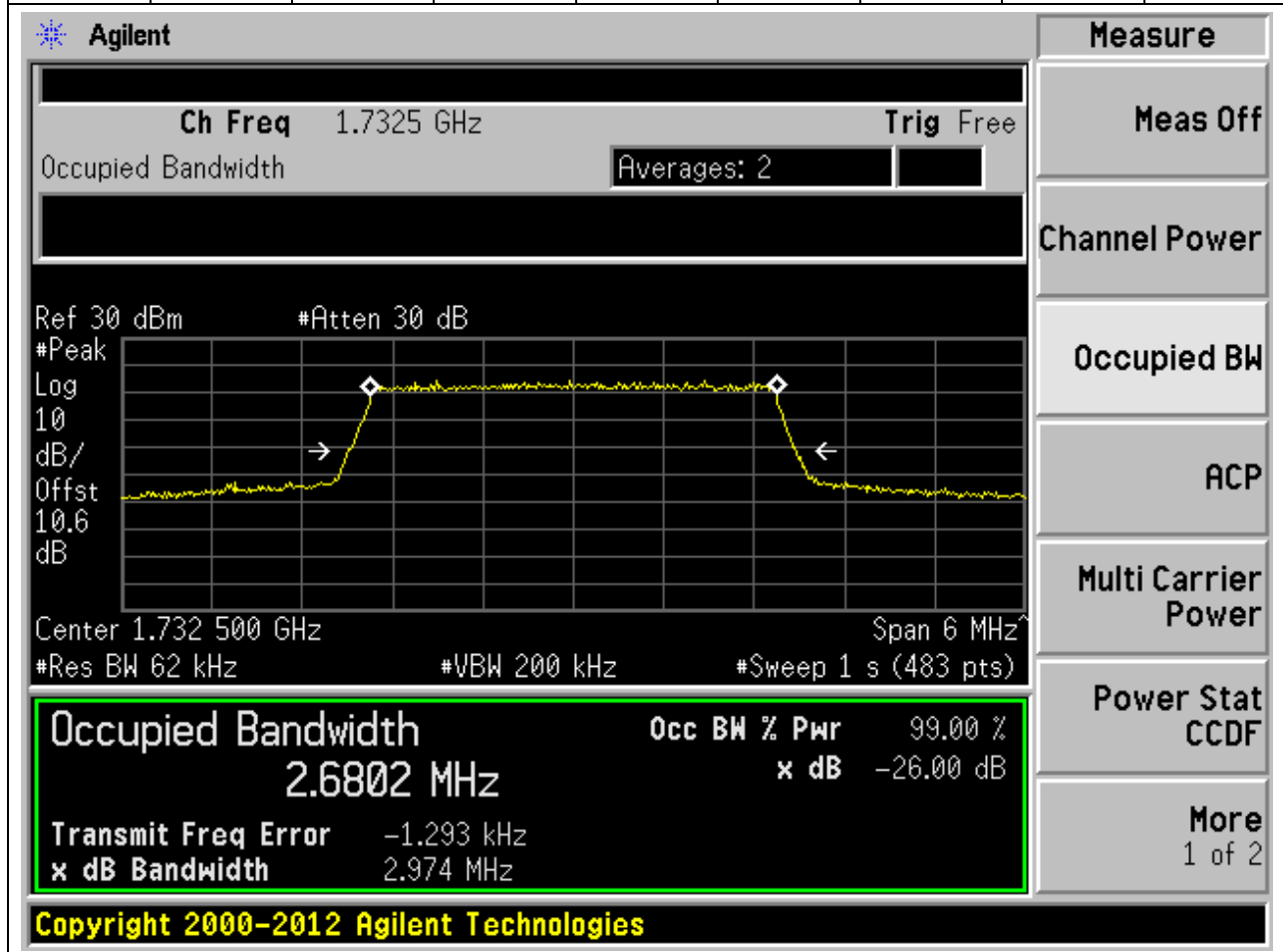
2.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19965, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

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

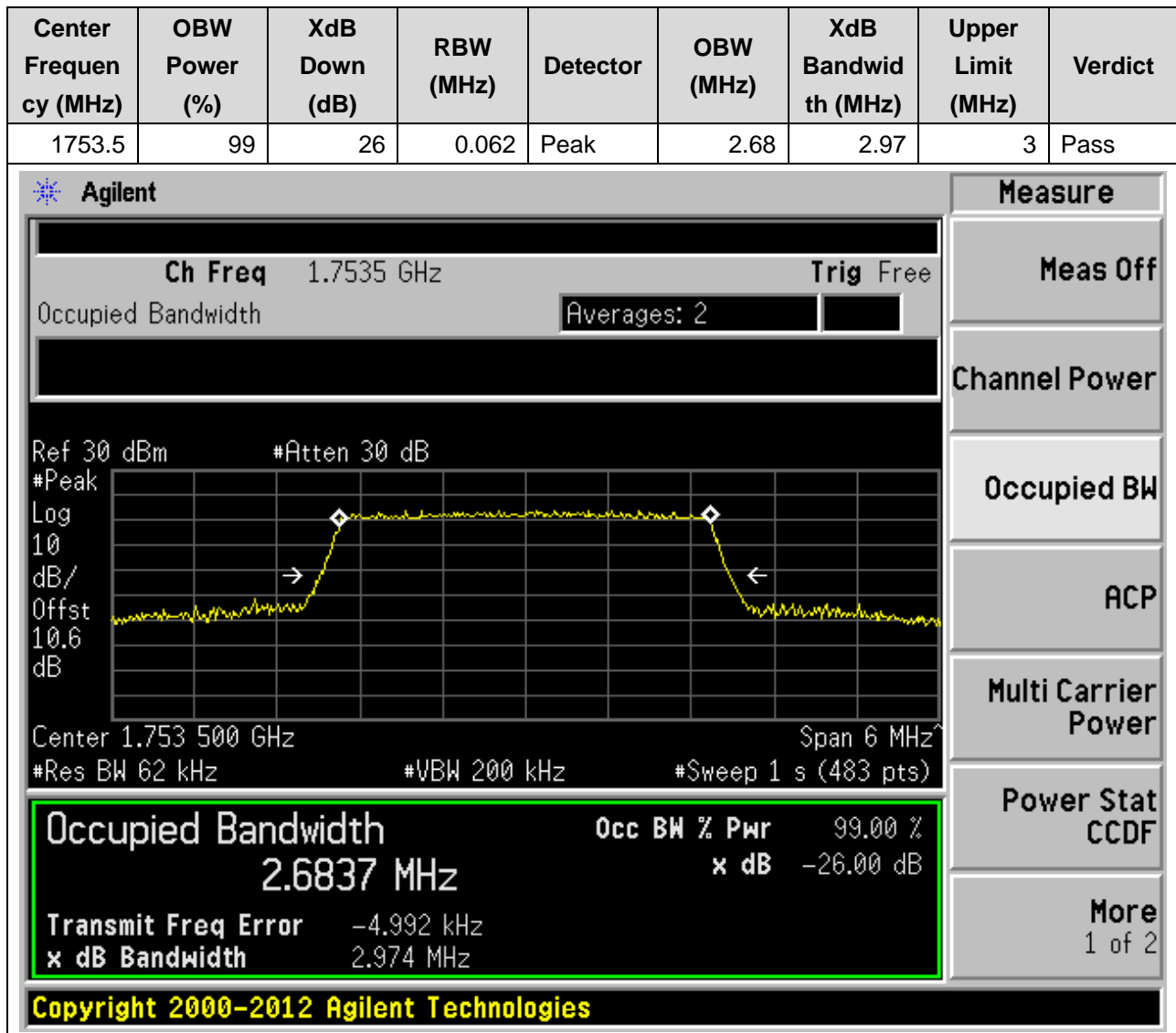


2.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20175, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.062	Peak	2.68	2.97	3	Pass



2.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20385, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



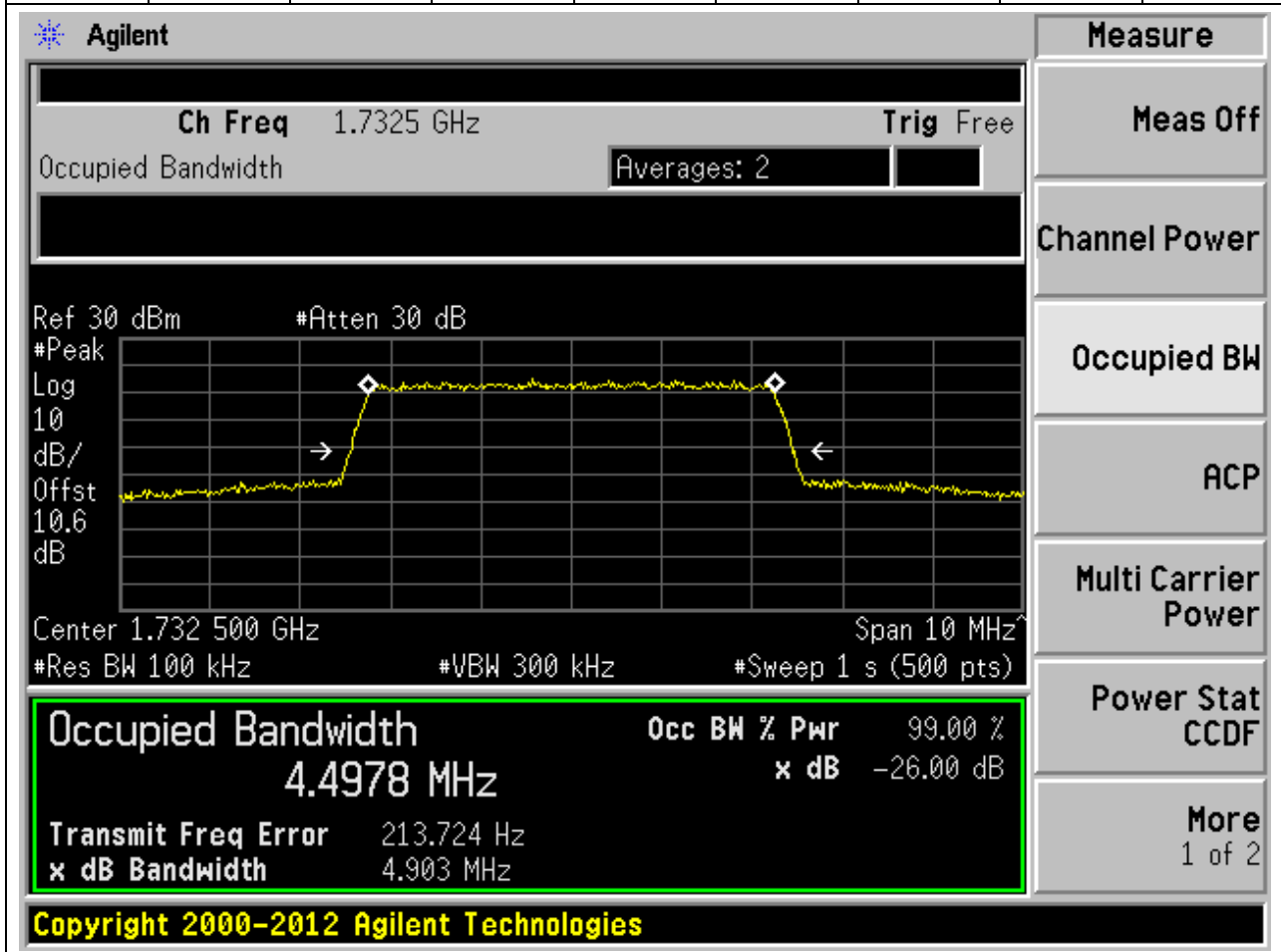
2.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:19975, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.5	99	26	0.1	Peak	4.49	4.9	5	Pass

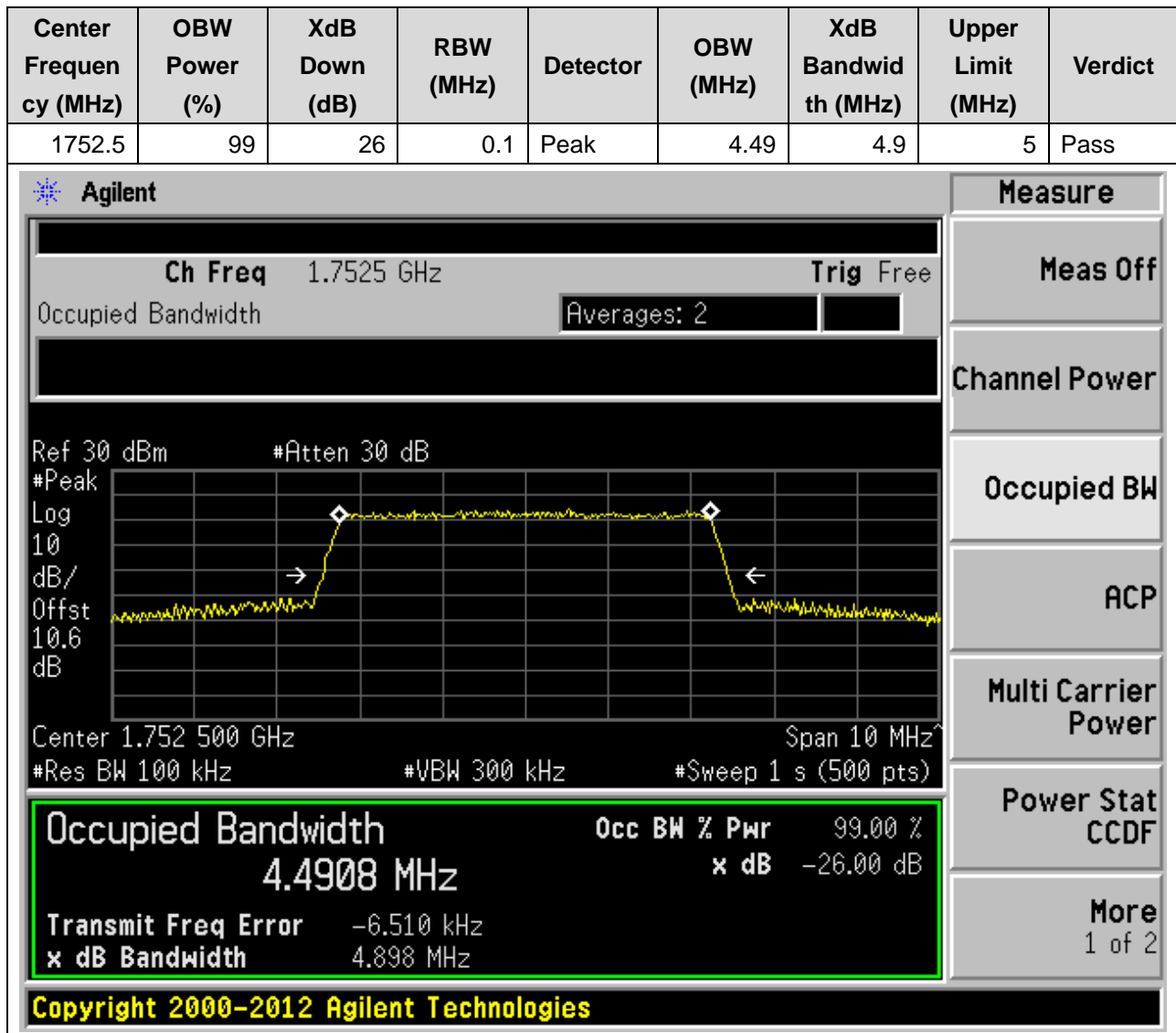
The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.7125 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 10.6 dB', 'Center 1.712 500 GHz', 'Span 10 MHz', '#Res BW 100 kHz', '#VBW 300 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 4.4881 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 773.922 Hz', and 'x dB Bandwidth 4.905 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'.

2.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20175, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.1	Peak	4.5	4.9	5	Pass



2.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20375, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



2.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20000, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1715	99	26	0.2	Peak	8.95	9.78	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 1.715 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace representing the signal. The plot is set to 'Log' scale with a 'Ref 30 dBm' and '#Atten 30 dB'. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9487 MHz. Other parameters shown include 'Transmit Freq Error 2.551 kHz' and 'x dB Bandwidth 9.778 MHz'. The 'Occupied BW % Pwr' is 99.00% and 'x dB' is -26.00 dB. The bottom of the screen shows 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9487 MHz	99.00 %	-26.00 dB

2.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20175, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.2	Peak	8.94	9.72	10	Pass

Agilent

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.732 50 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9420 MHz x dB -26.00 dB

Transmit Freq Error 6.231 kHz

x dB Bandwidth 9.724 MHz

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Measure

Meas Off

Channel Power

Occupied BW

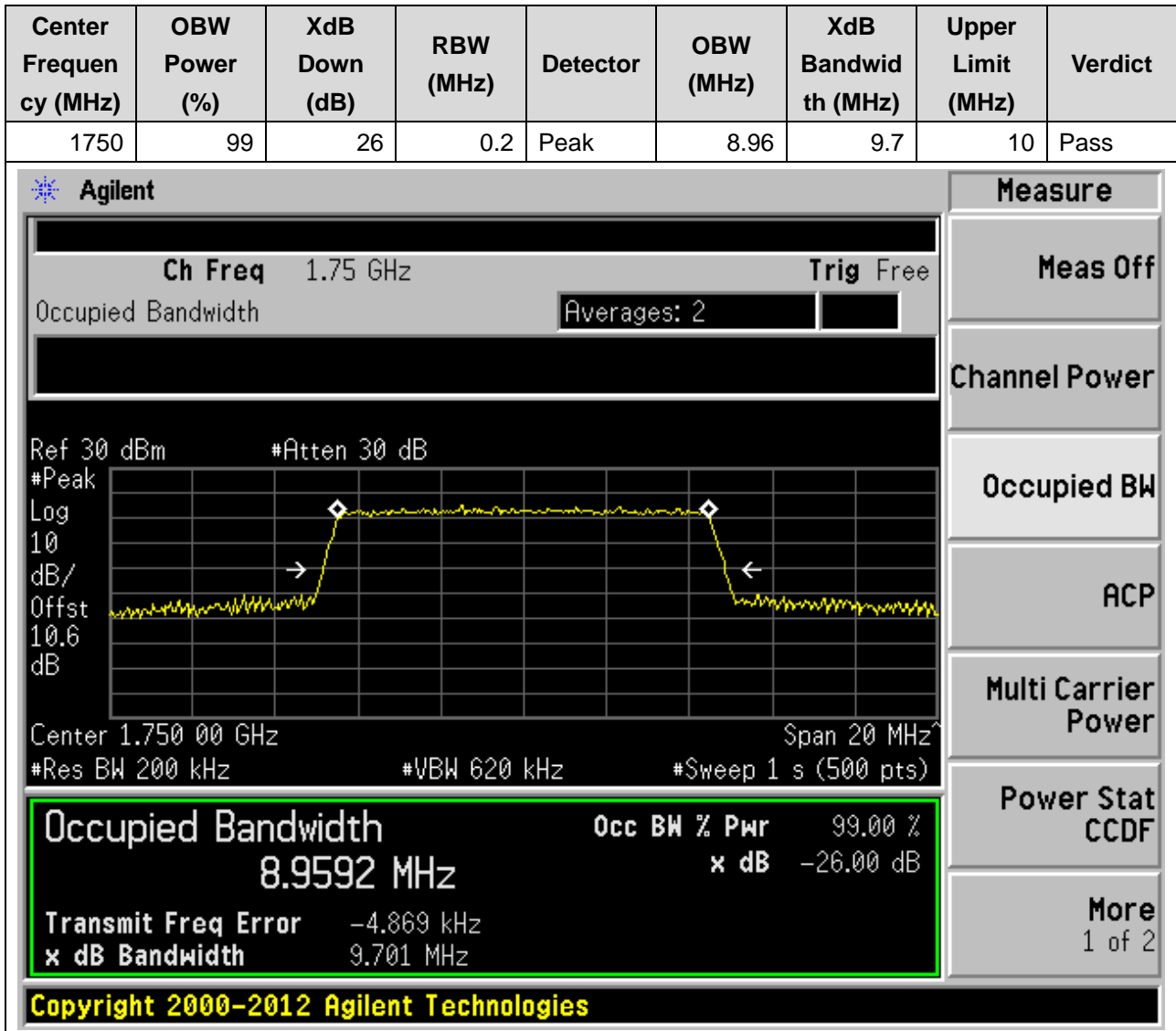
ACP

Multi Carrier Power

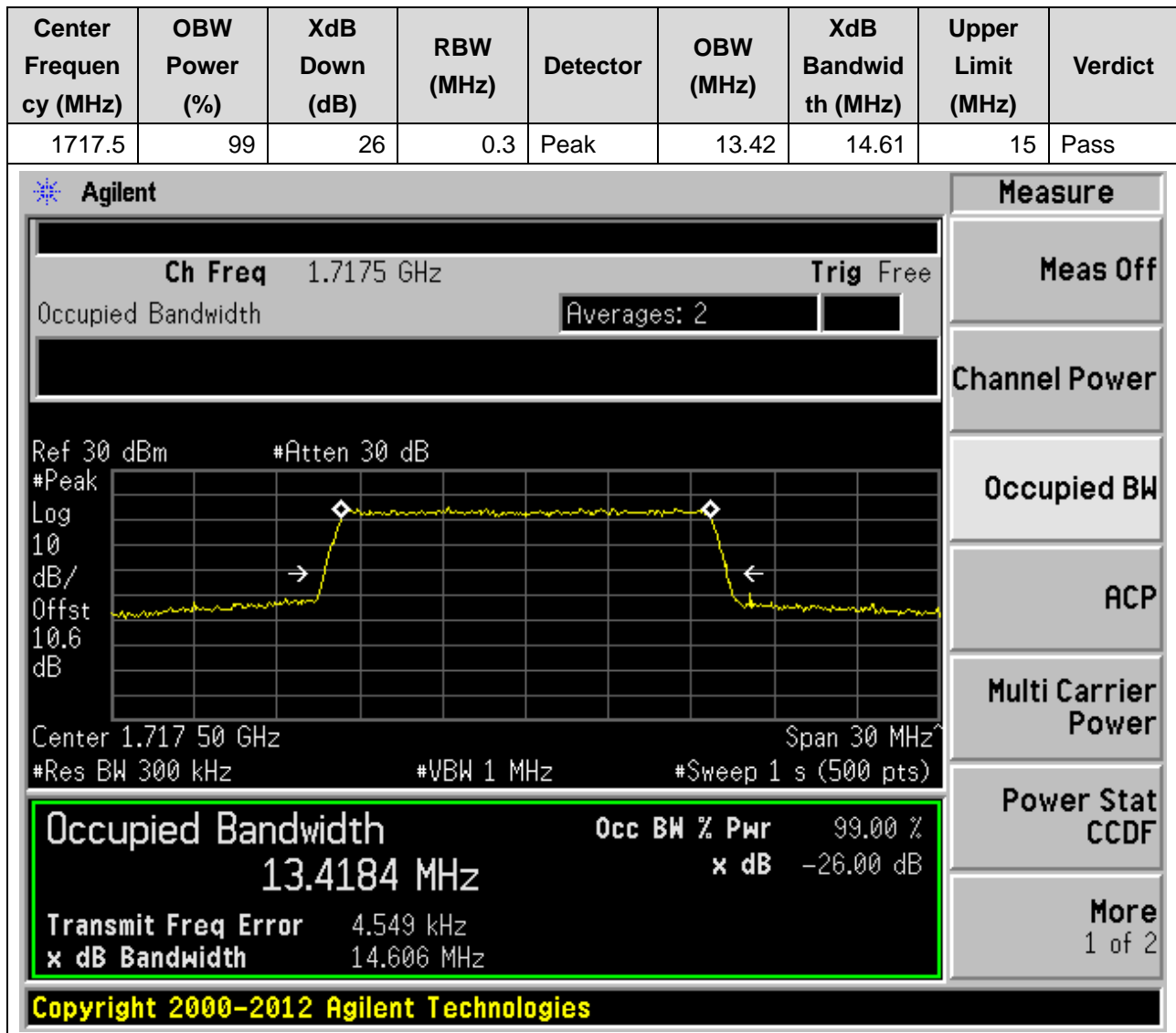
Power Stat CCDF

More 1 of 2

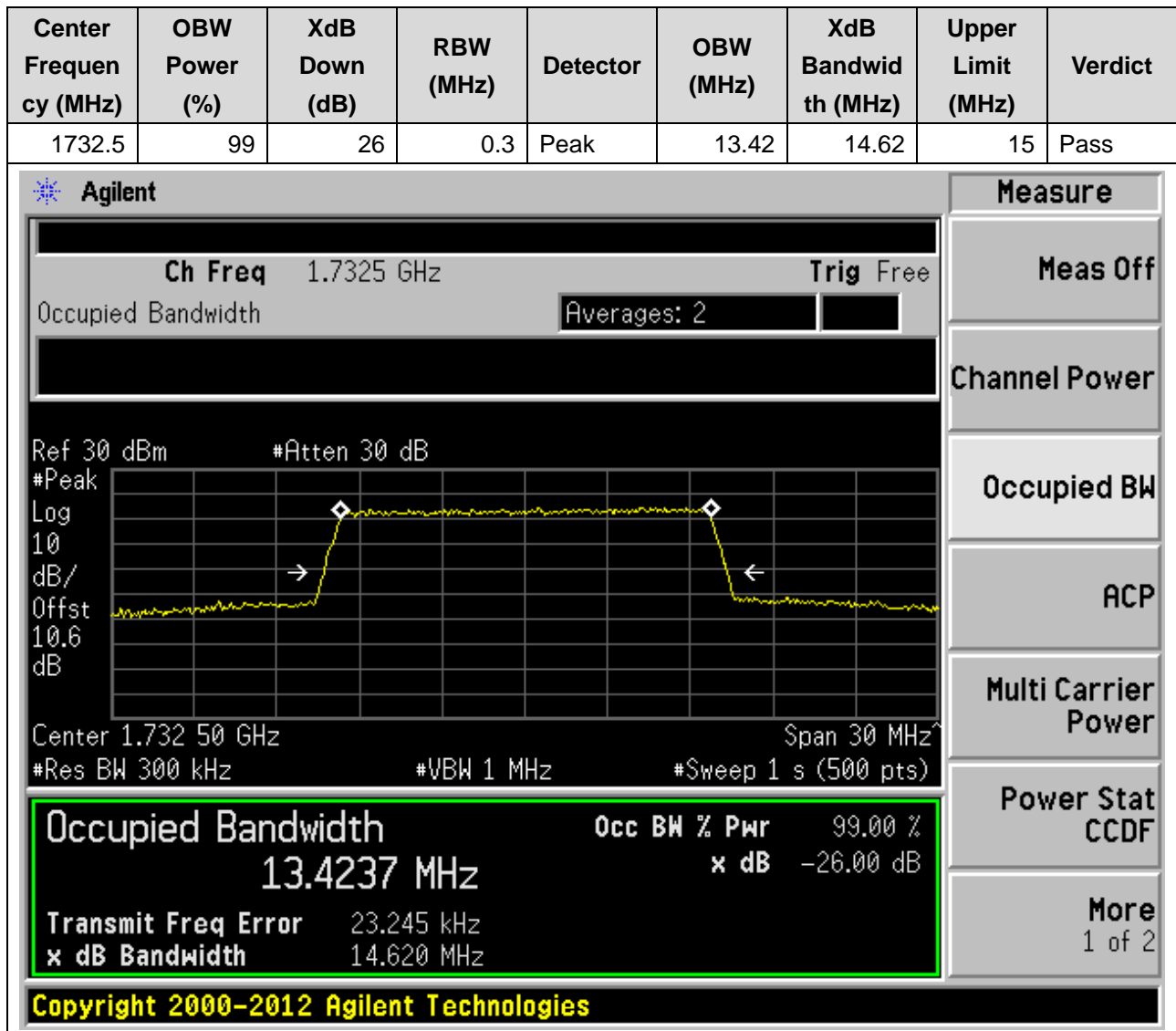
2.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20350, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)



2.13. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20025, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)



2.14. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20175, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)



2.15. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20325, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.43	14.64	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 1.7475 GHz. The main display shows a spectrum plot with a yellow trace. The plot parameters are: Ref 30 dBm, #Atten 30 dB, Log 10, dB/Offst 10.6 dB, Center 1.74750 GHz, Span 30 MHz, #Res BW 300 kHz, #VBW 1 MHz, #Sweep 1 s (500 pts). The plot shows a signal with a flat top and sloped sides, with two white diamonds marking the -26 dB points. Below the plot, the Occupied Bandwidth is highlighted in a green box with the following data:

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4294 MHz	x dB	-26.00 dB
Transmit Freq Error		9.529 kHz
x dB Bandwidth		14.637 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).

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2.16. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20050, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.88	19.39	20	Pass

Agilent

Ch Freq 1.72 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.720 00 GHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8802 MHz	x dB	-26.00 dB
Transmit Freq Error	1.578 kHz	
x dB Bandwidth	19.392 MHz	

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

2.17. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20175, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.9	19.35	20	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 10.6 dB', 'Center 1.732 50 GHz', 'Span 40 MHz', '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 1 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9008 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error 13.668 kHz' and 'x dB Bandwidth 19.349 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'.

2.18. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20300, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.9	19.22	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.745 GHz with a span of 40 MHz. The vertical axis is labeled 'dB/Offst' with a value of 10.6 dB. The horizontal axis is labeled 'Span 40 MHz'. The plot shows a signal with a peak at approximately 1.745 GHz. The signal is measured with a resolution bandwidth (RBW) of 390 kHz and a video bandwidth (VBW) of 1.2 MHz. The sweep time is 1 s (512 pts). The signal is measured with a reference level of 30 dBm and an attenuation of 30 dB. The signal is measured with a peak detector and a logarithmic scale. The signal is measured with a 10 dB offset. The signal is measured with a 10.6 dB offset. The signal is measured with a 10.6 dB offset. The signal is measured with a 10.6 dB offset.

Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.6 dB

Center 1.745 00 GHz Span 40 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

17.8993 MHz x dB -26.00 dB

Transmit Freq Error 6.045 kHz

x dB Bandwidth 19.221 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

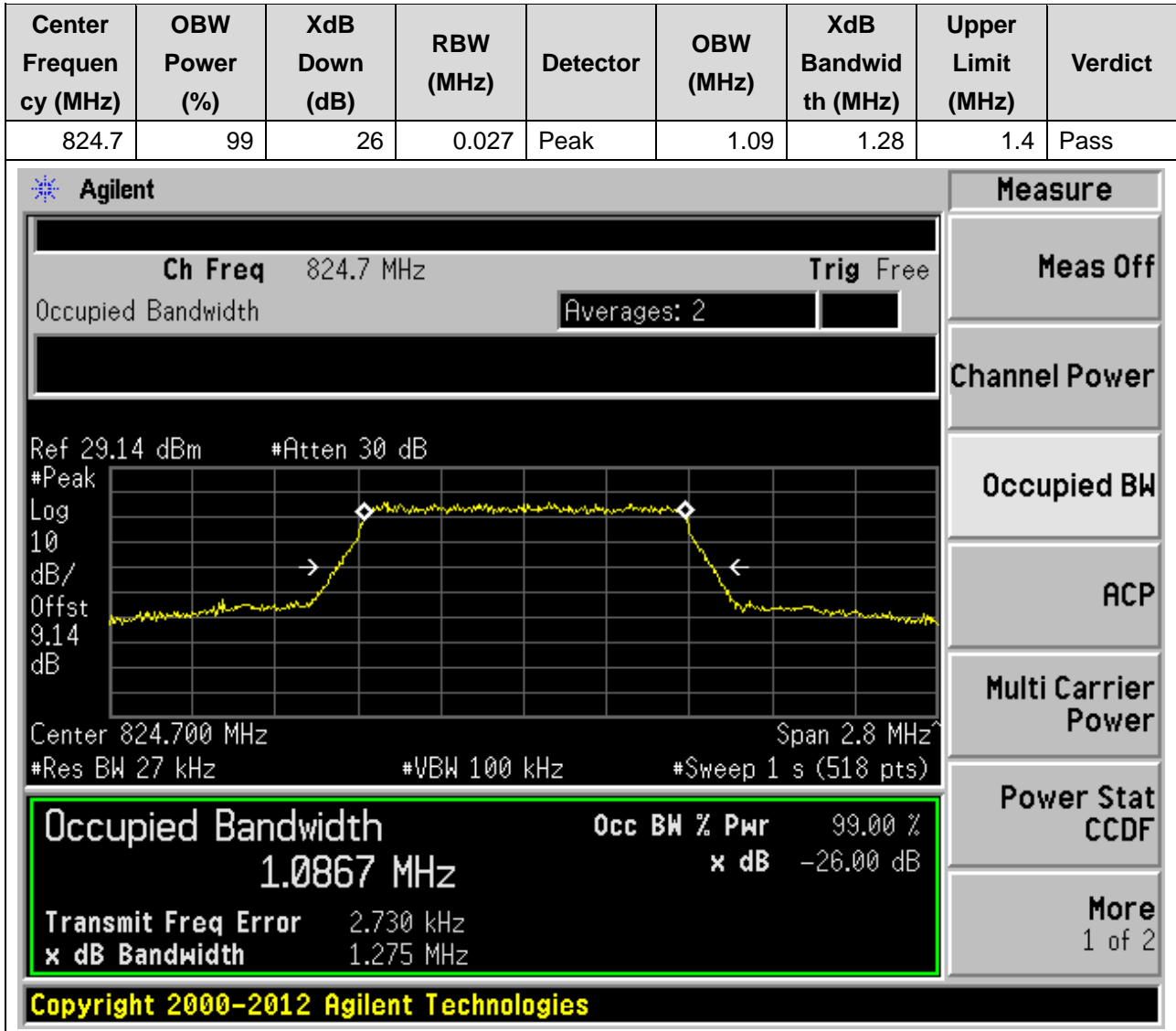
Power Stat CCDF

More 1 of 2

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3. LTE_Band5

3.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20407, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



3.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20525, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.09	1.29	1.4	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

Center 836.500 MHz Span 2.8 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth Occ BW % Pwr 99.00 %

1.0948 MHz x dB -26.00 dB

Transmit Freq Error -730.297 Hz

x dB Bandwidth 1.288 MHz

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3.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20643, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.26	1.4	Pass

Agilent

Measure

Ch Freq 848.3 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 29.24 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.24

dB

Center 848.300 MHz
Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0854 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.994 kHz	
x dB Bandwidth	1.261 MHz	

Meas Off
Channel Power

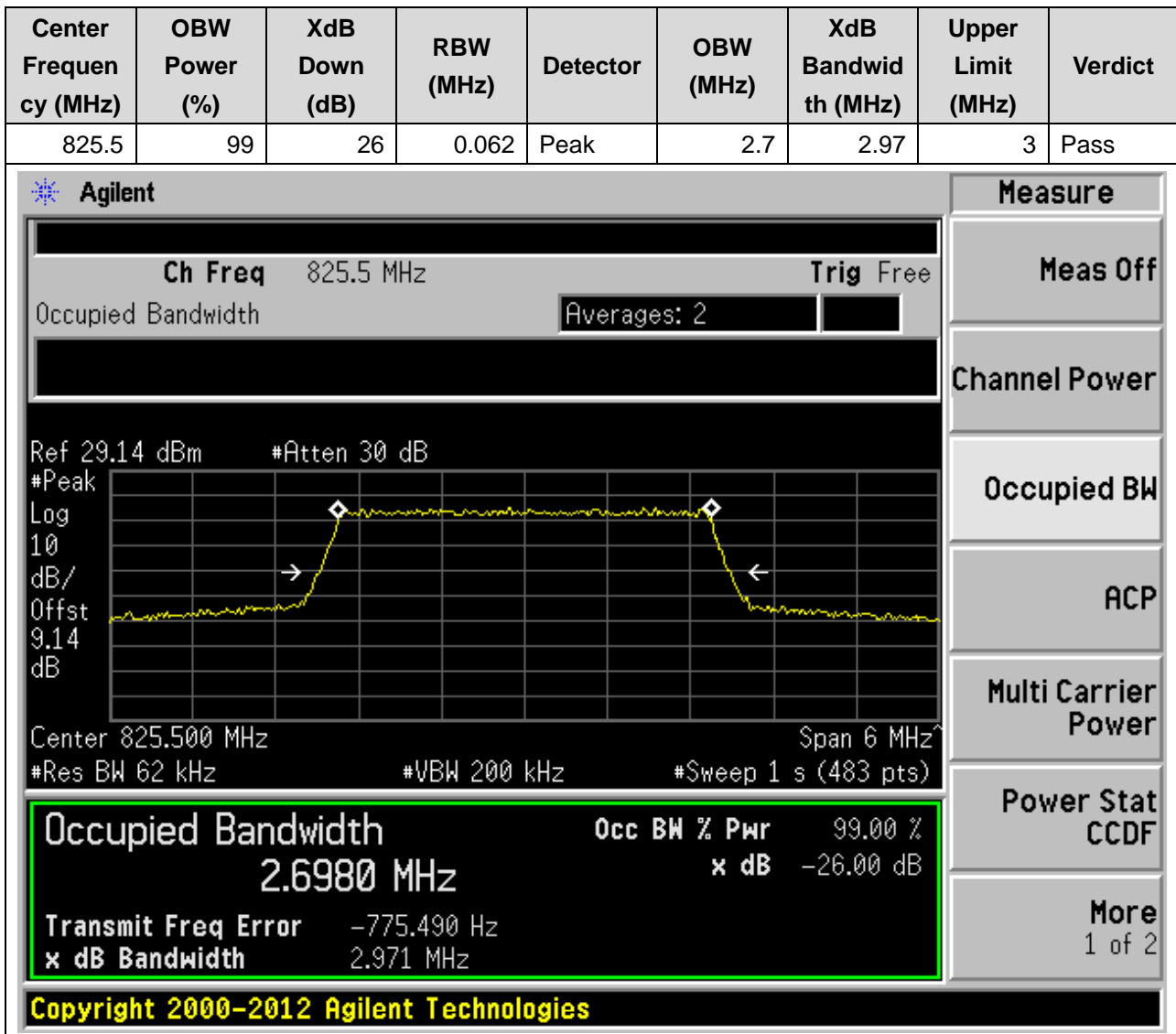
Occupied BW
ACP

Multi Carrier Power
Power Stat CCDF

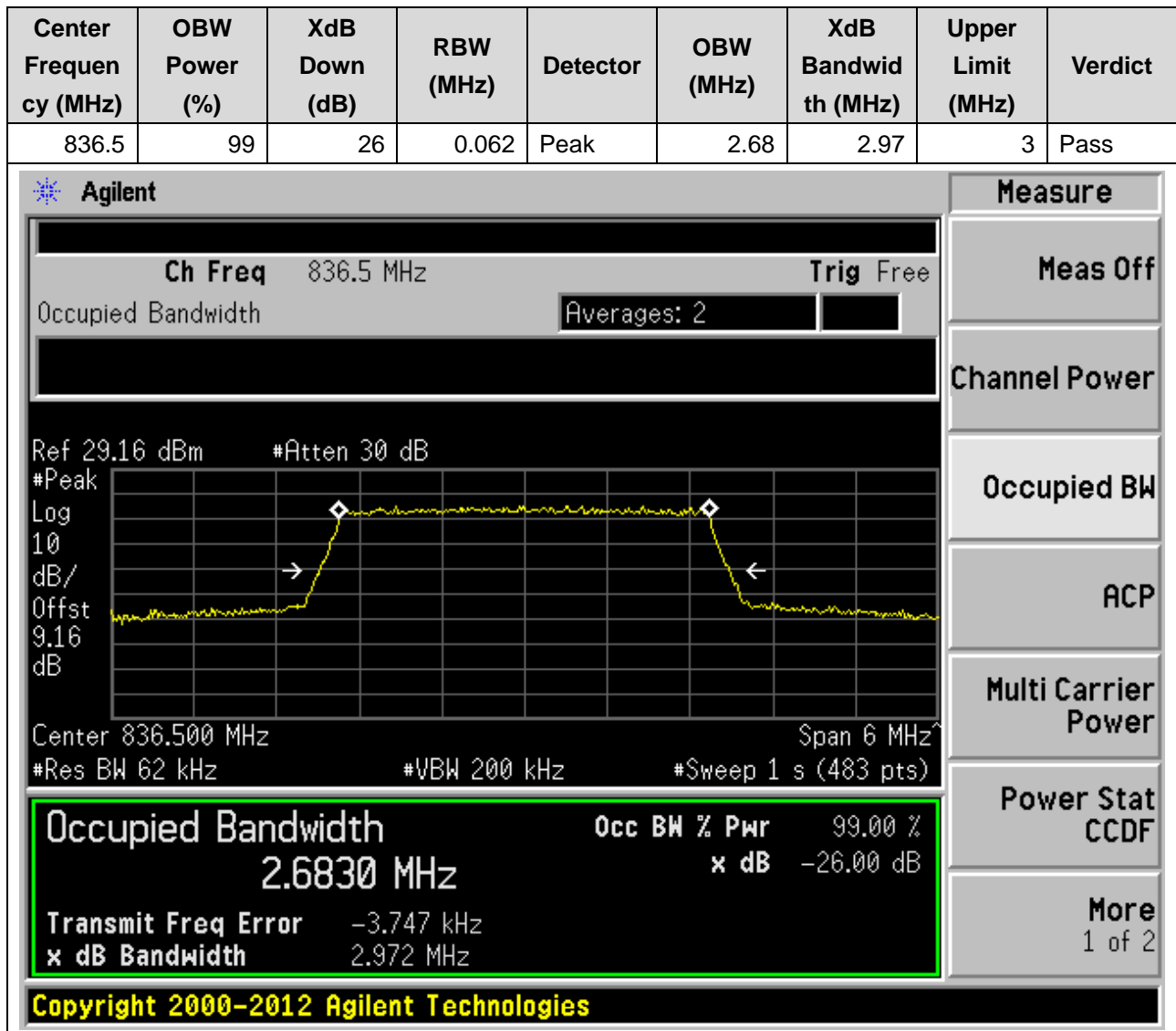
More
1 of 2

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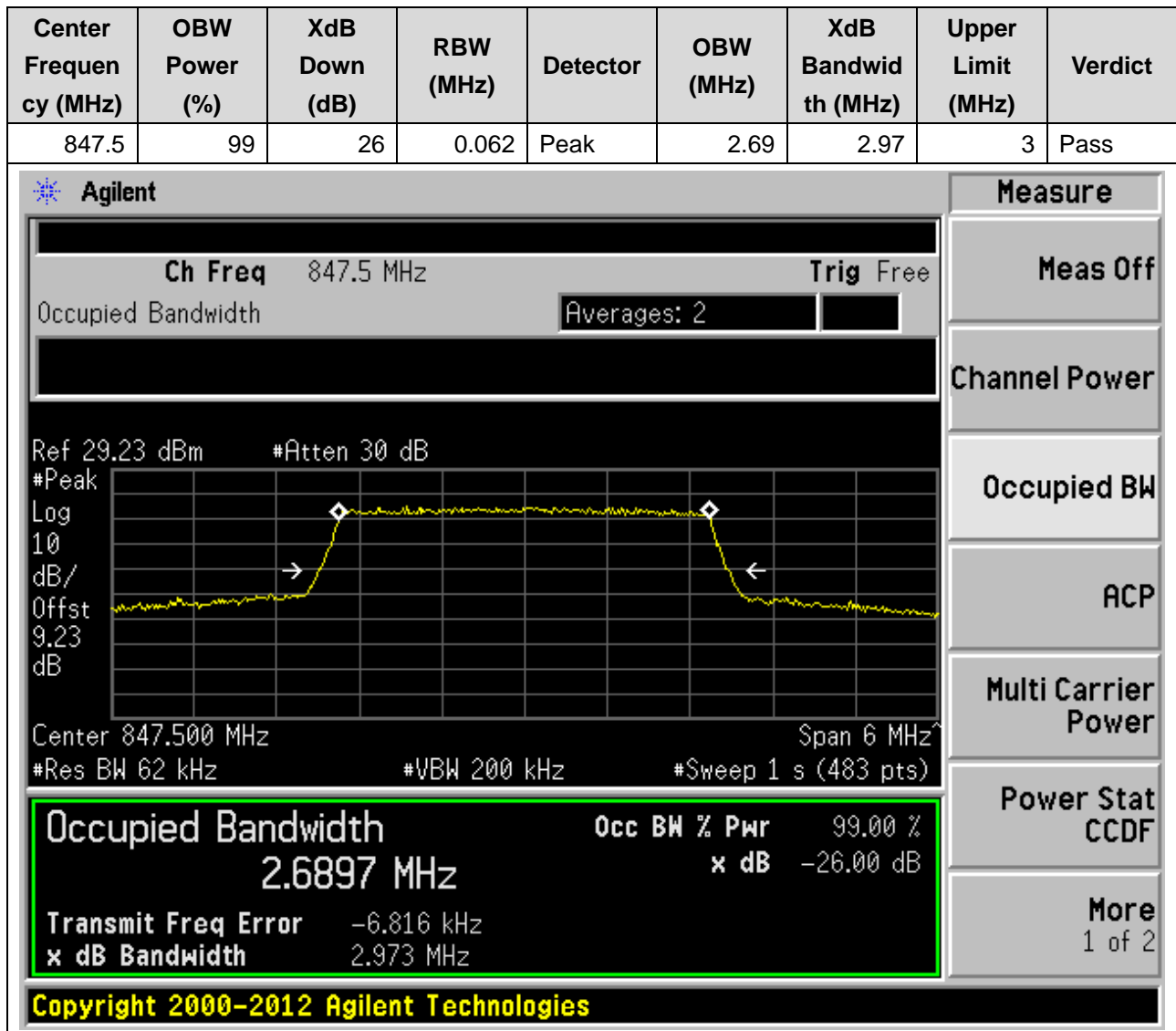
3.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20415, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



3.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20525, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



3.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20635, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



3.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20425, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.49	4.9	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.15 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.15

dB

Center 826.500 MHz
Span 10 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

4.4901 MHz
x dB -26.00 dB

Transmit Freq Error 54.387 Hz

x dB Bandwidth 4.903 MHz

Power Stat
CCDF

More
1 of 2

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3.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20525, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.5	4.9	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 836.500 MHz, and the span is 10 MHz. The occupied bandwidth is measured as 4.4990 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is -1.162 kHz and the XdB bandwidth is 4.902 MHz. The interface includes various measurement buttons on the right side, such as Measure, Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4990 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.162 kHz	
x dB Bandwidth	4.902 MHz	

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3.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20625, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.49	4.9	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, the channel frequency is 846.5 MHz. The main display shows a spectrum plot with a yellow trace. The plot parameters include: Ref 29.22 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 9.22 dB, Center 846.500 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 4.4875 MHz, Occ BW % Pwr 99.00%, x dB -26.00 dB, Transmit Freq Error -9.159 kHz, and x dB Bandwidth 4.902 MHz. The right sidebar contains measurement options: Measure, 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.

3.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20450, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.96	9.72	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 829 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 29.16 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 9.16 dB', 'Center 829.00 MHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the measurement results: 'Occupied Bandwidth 8.9598 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 5.273 kHz', and 'x dB Bandwidth 9.723 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'.

3.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20525, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.95	9.72	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 836.5 MHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.9461 MHz, which is 99.00% of the total bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -8.641 kHz, and the XdB bandwidth is 9.722 MHz. The interface includes various measurement controls and a 'Measure' menu on the right side.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9461 MHz	x dB	-26.00 dB
Transmit Freq Error	-8.641 kHz	
x dB Bandwidth	9.722 MHz	

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3.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20600, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.95	9.69	10	Pass

Agilent

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.2 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.2 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 %
8.9508 MHz	x dB	-26.00 dB
Transmit Freq Error		-17.809 kHz
x dB Bandwidth		9.692 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

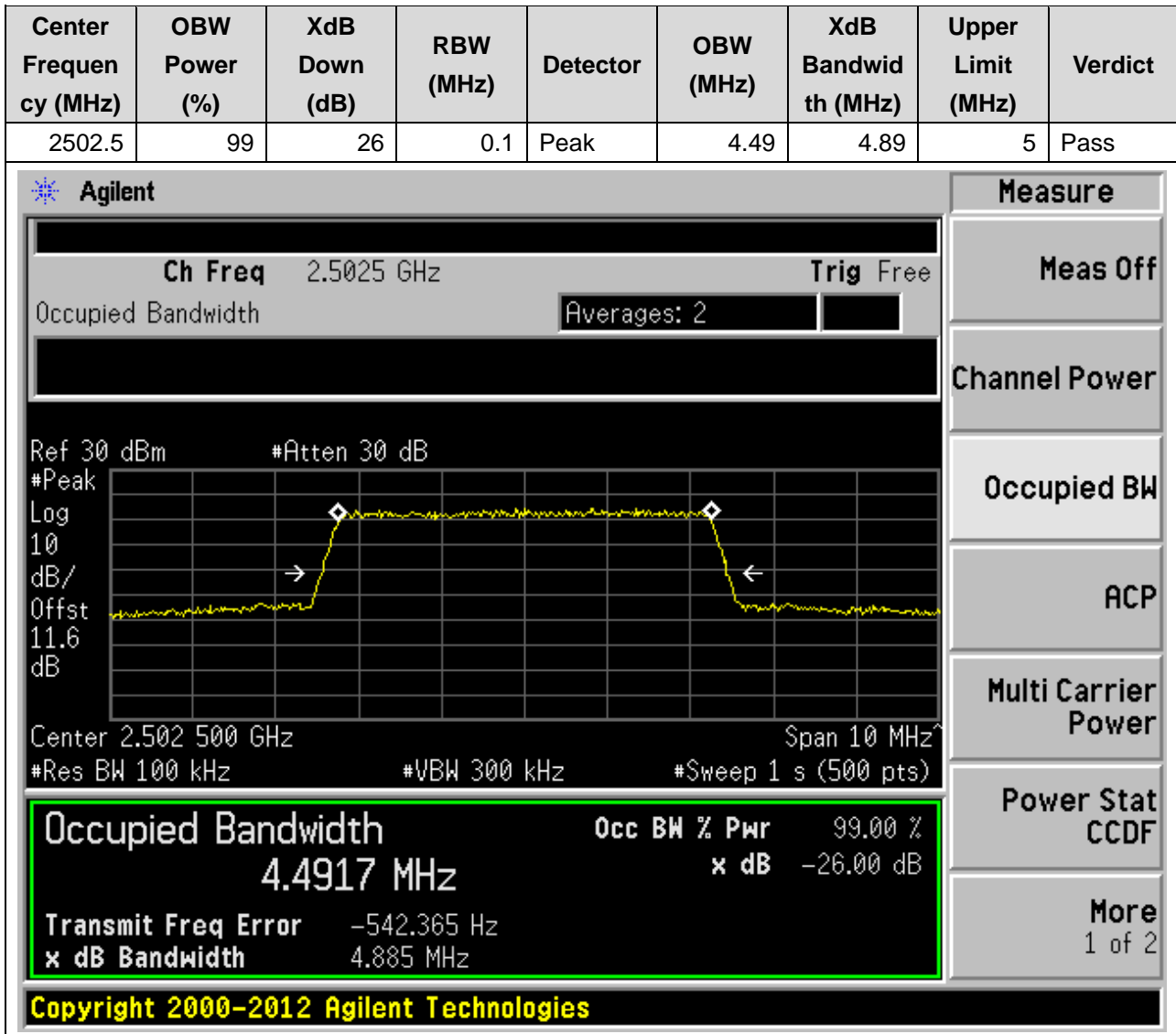
Multi Carrier Power

Power Stat CCDF

More 1 of 2

4. LTE_Band7

4.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20775, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



4.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21100, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.5	4.9	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
11.6

dB

Center 2.535 000 GHz
Span 10 MHz

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

Occupied Bandwidth

4.5026 MHz

Transmit Freq Error -2.936 kHz

x dB Bandwidth 4.900 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

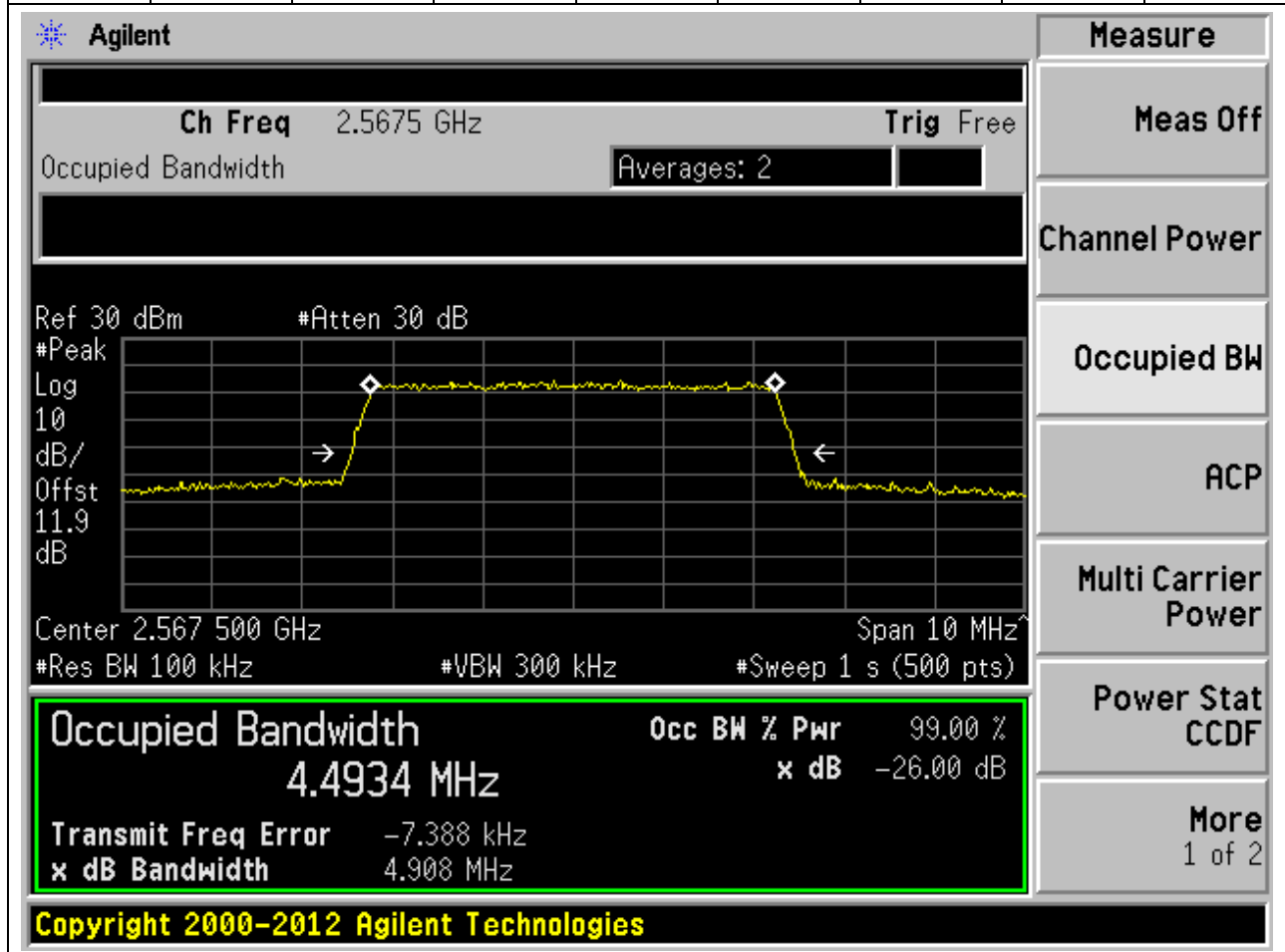
Power Stat
CCDF

More
1 of 2

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4.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21425, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.49	4.91	5	Pass



4.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20800, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.96	9.78	10	Pass

Agilent

Ch Freq 2.505 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.5 dB

Center 2.505 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9554 MHz x dB -26.00 dB

Transmit Freq Error 9.285 kHz

x dB Bandwidth 9.783 MHz

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Measure

Meas Off

Channel Power

Occupied BW

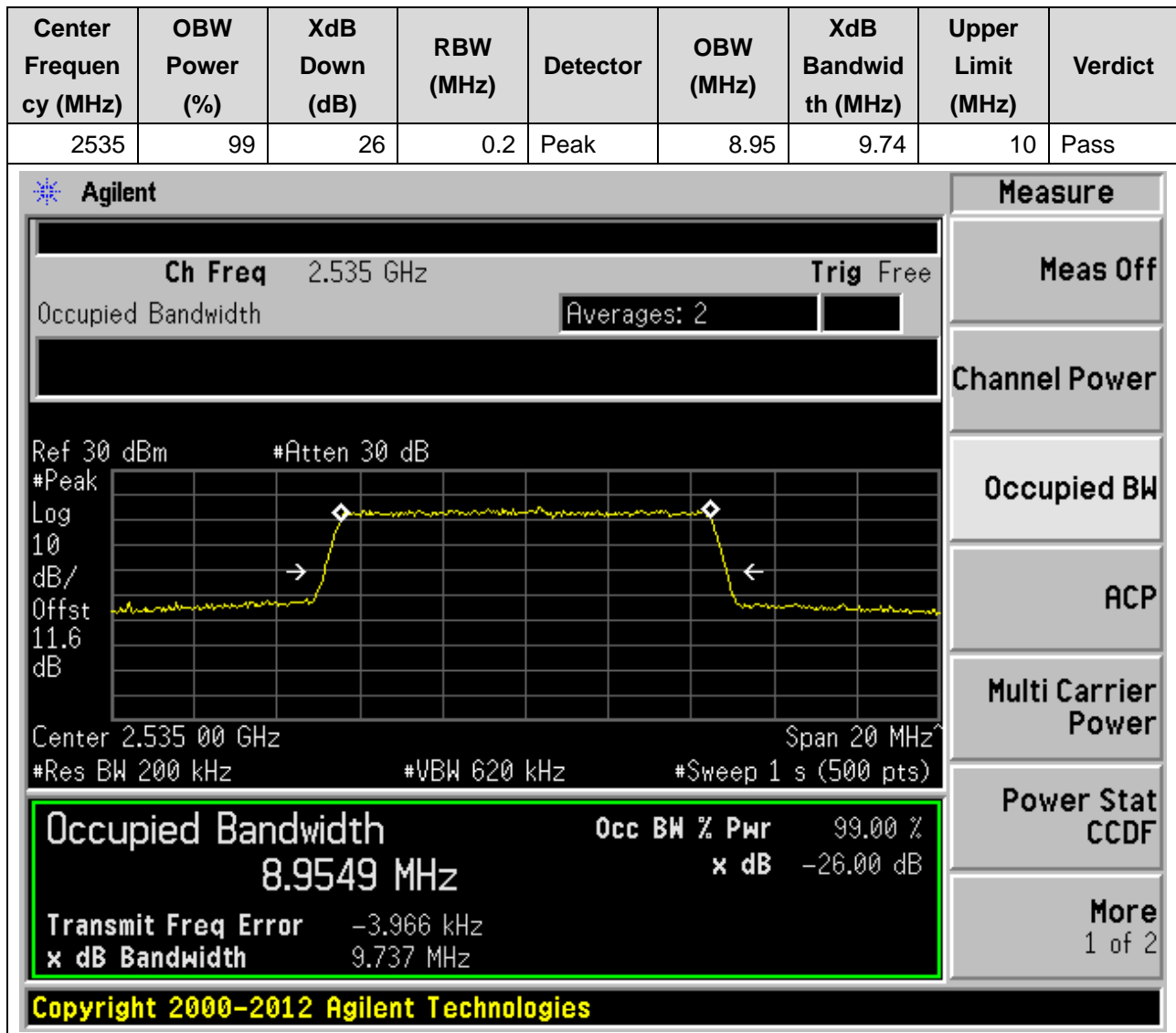
ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

4.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21100, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

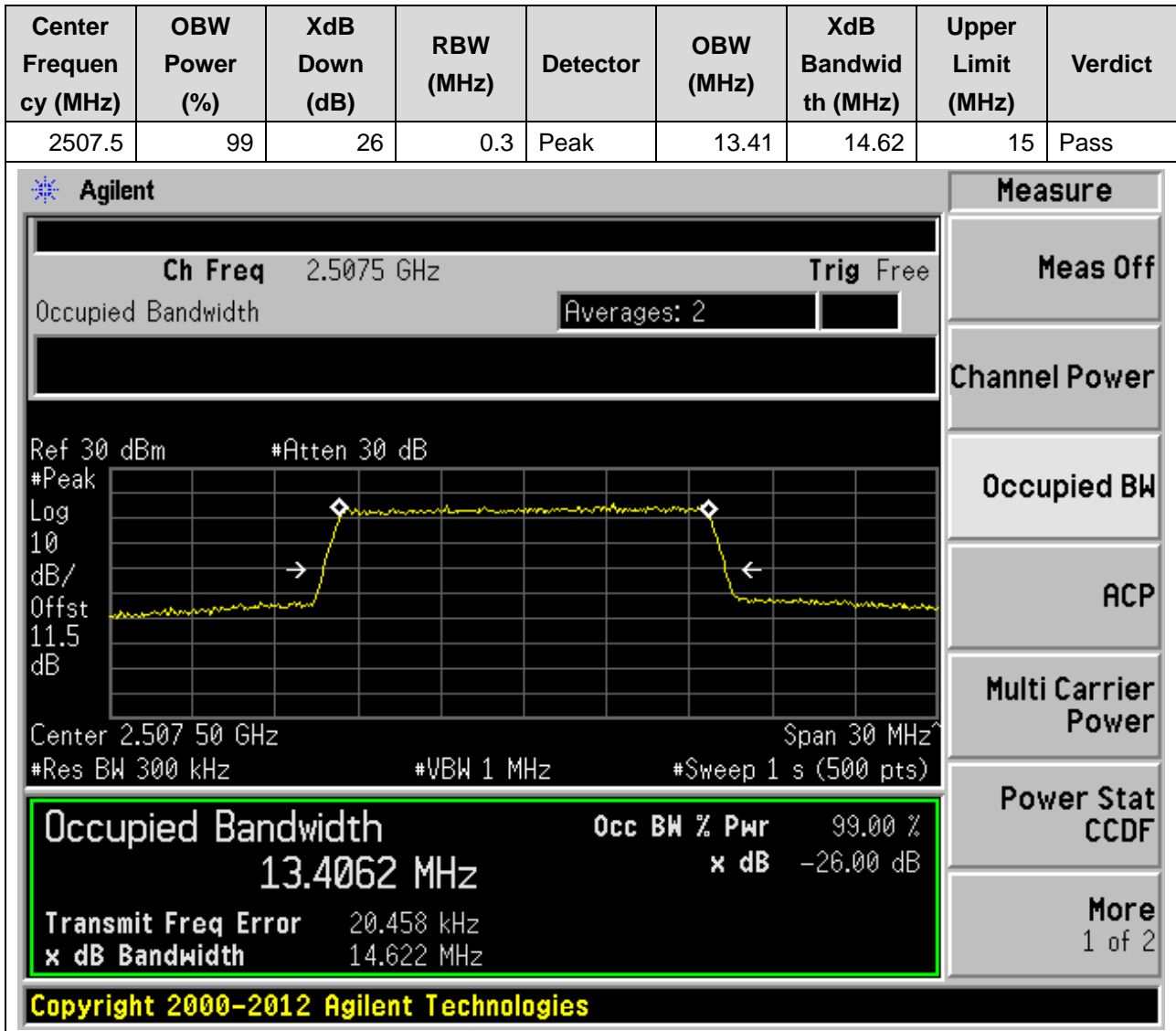


4.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21400, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.96	9.72	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 trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 11.9 dB', 'Center 2.565 00 GHz', 'Span 20 MHz', '#Res BW 200 kHz', '#VBW 620 kHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 8.9631 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, it shows 'Transmit Freq Error -11.119 kHz' and 'x dB Bandwidth 9.724 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'.

4.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20825, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)



4.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21100, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.44	14.64	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 trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 11.6 dB', 'Center 2.535 00 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 1 s (500 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 13.4400 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error 9.299 kHz' and 'x dB Bandwidth 14.645 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'. At the bottom, it says 'Copyright 2000-2012 Agilent Technologies'.

4.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21375, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.42	14.58	15	Pass

Agilent

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

Ch Freq 2.5625 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.5625 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4246 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.884 kHz	
x dB Bandwidth	14.580 MHz	

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4.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:20850, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.86	19.27	20	Pass

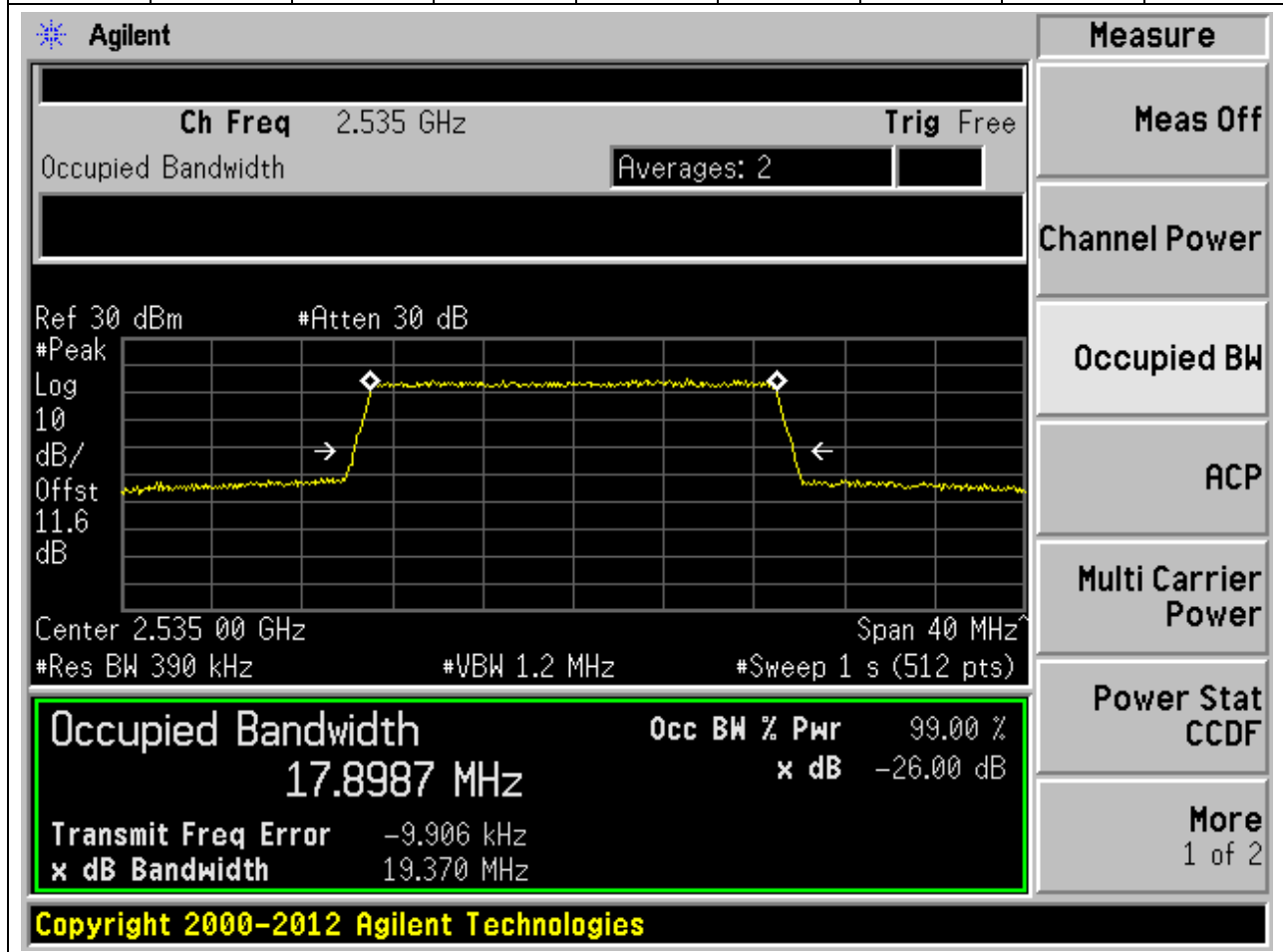
The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.51 GHz, and the span is 40 MHz. The occupied bandwidth is highlighted in a green box, showing a value of 17.8550 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 3.849 kHz, and the XdB bandwidth is 19.270 MHz. The interface also shows various measurement settings like Res BW (390 kHz), VBW (1.2 MHz), and Sweep (1 s).

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8550 MHz	x dB	-26.00 dB
Transmit Freq Error	3.849 kHz	
x dB Bandwidth	19.270 MHz	

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4.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21100, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.9	19.37	20	Pass



4.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:21350, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.89	19.36	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:

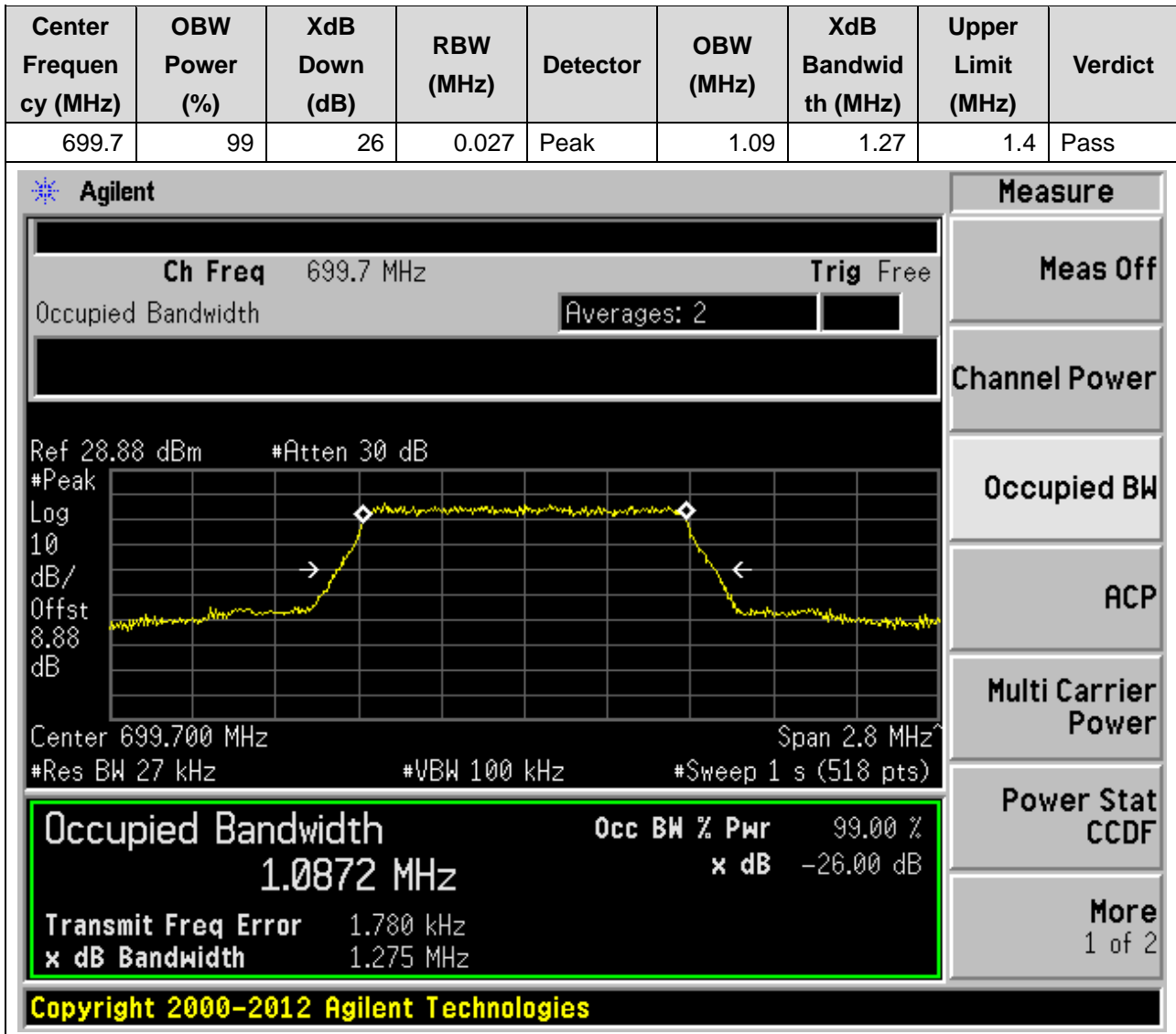
Measurement	Value
Occupied Bandwidth	17.8865 MHz
Occ BW % Pwr	99.00 %
x dB	-26.00 dB
Transmit Freq Error	-12.746 kHz
x dB Bandwidth	19.361 MHz

Additional parameters shown in the interface include: Ch Freq 2.56 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 11.8 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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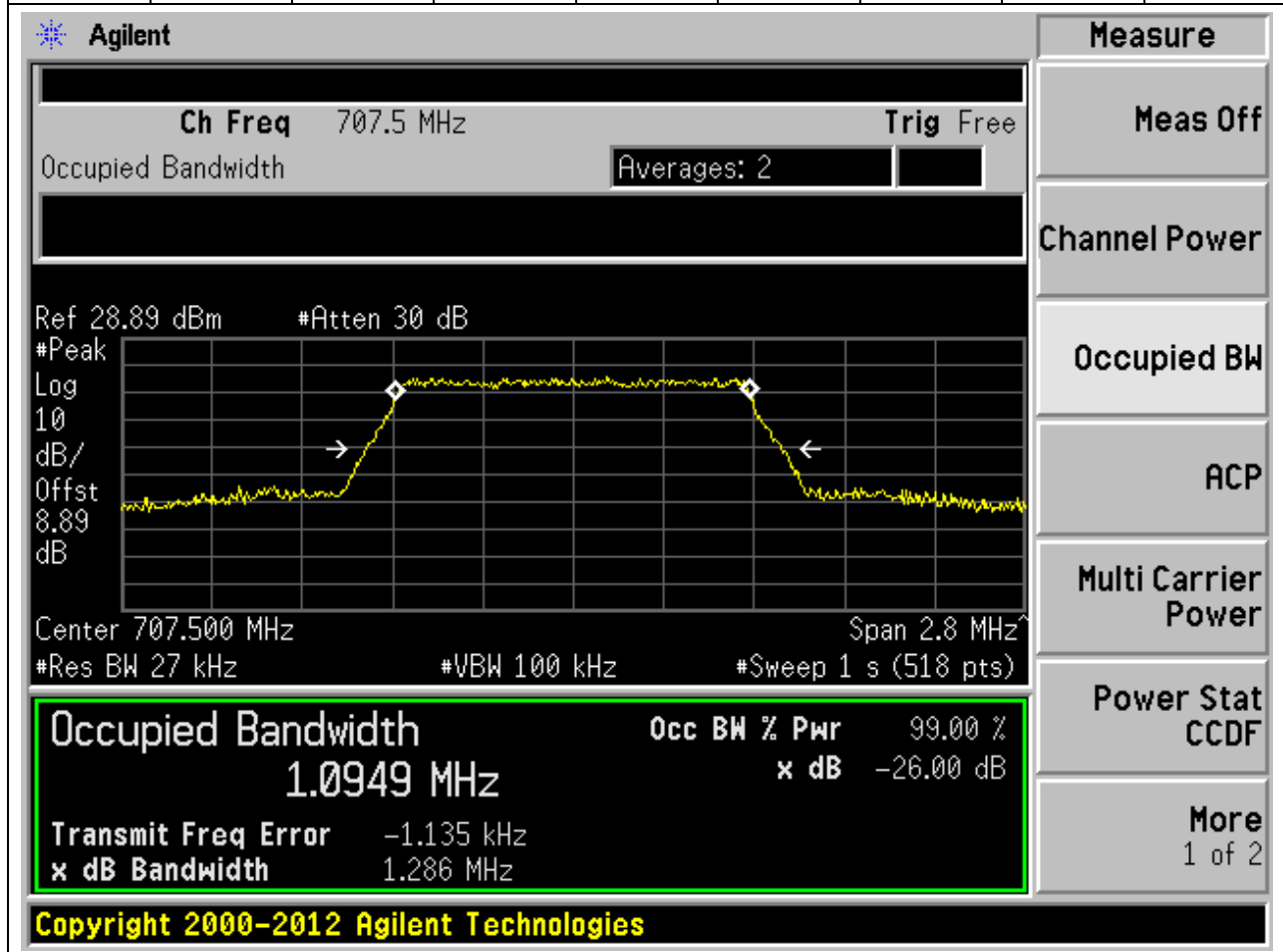
5. LTE_Band12

5.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23017, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



5.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23095, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.027	Peak	1.09	1.29	1.4	Pass



5.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23173, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
715.3	99	26	0.027	Peak	1.09	1.25	1.4	Pass

Agilent
Measure

Ch Freq 715.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.89 dBm #Atten 30 dB

Center 715.300 MHz Span 2.8 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

1.0871 MHz

Transmit Freq Error -3.021 kHz

x dB Bandwidth 1.254 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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5.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23025, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
700.5	99	26	0.062	Peak	2.69	2.99	3	Pass

Agilent

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

Ch Freq 700.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.88 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

8.88

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 %

2.6901 MHz

x dB -26.00 dB

Transmit Freq Error -1.547 kHz

x dB Bandwidth 2.985 MHz

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5.5. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23095, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.062	Peak	2.68	2.96	3	Pass

Agilent
Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 28.89 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.89

dB

Center 707.500 MHz
Span 6 MHz

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

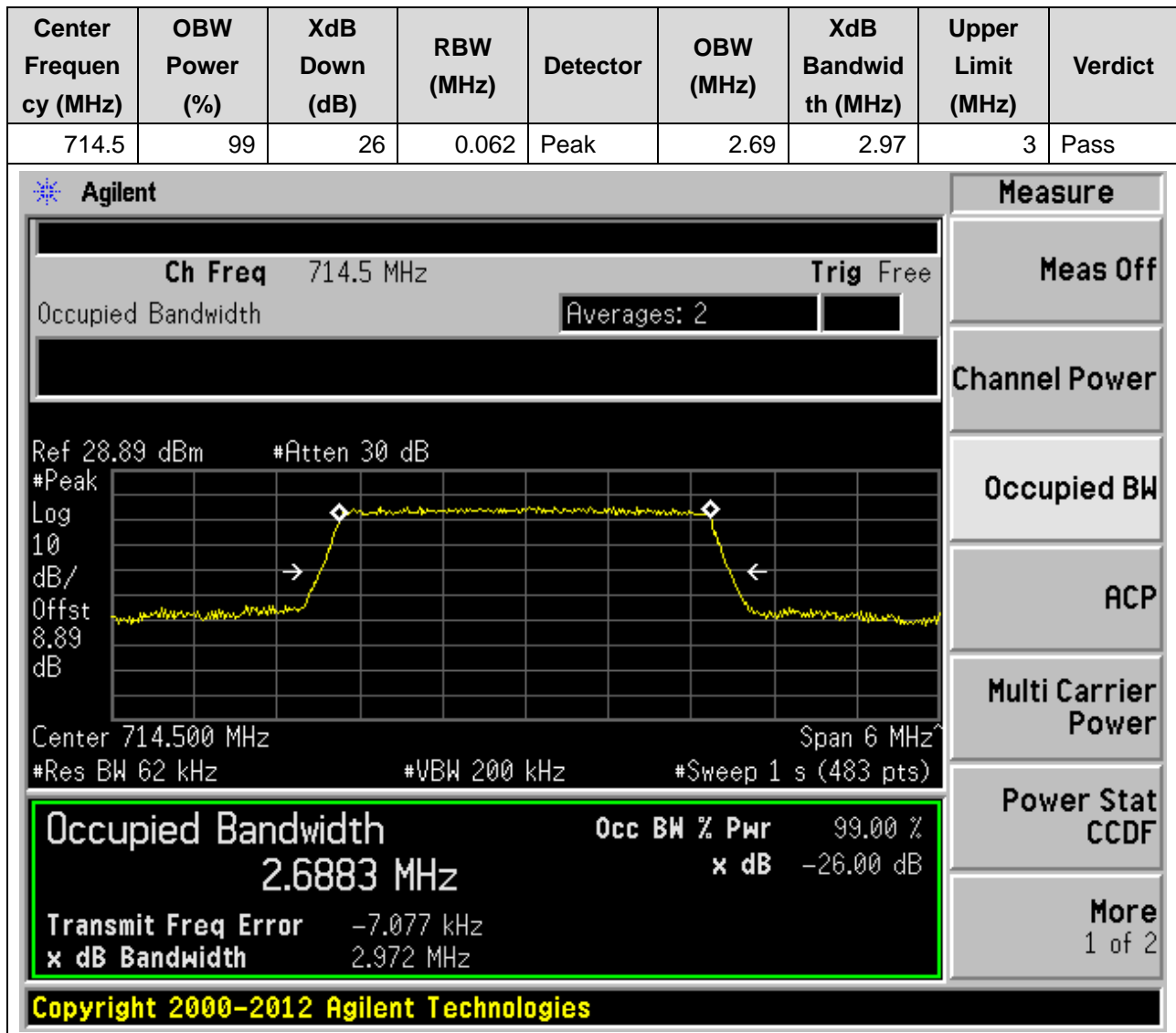
Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6839 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.510 kHz	
x dB Bandwidth	2.964 MHz	

Power Stat
CCDF

More
1 of 2

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5.6. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23165, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

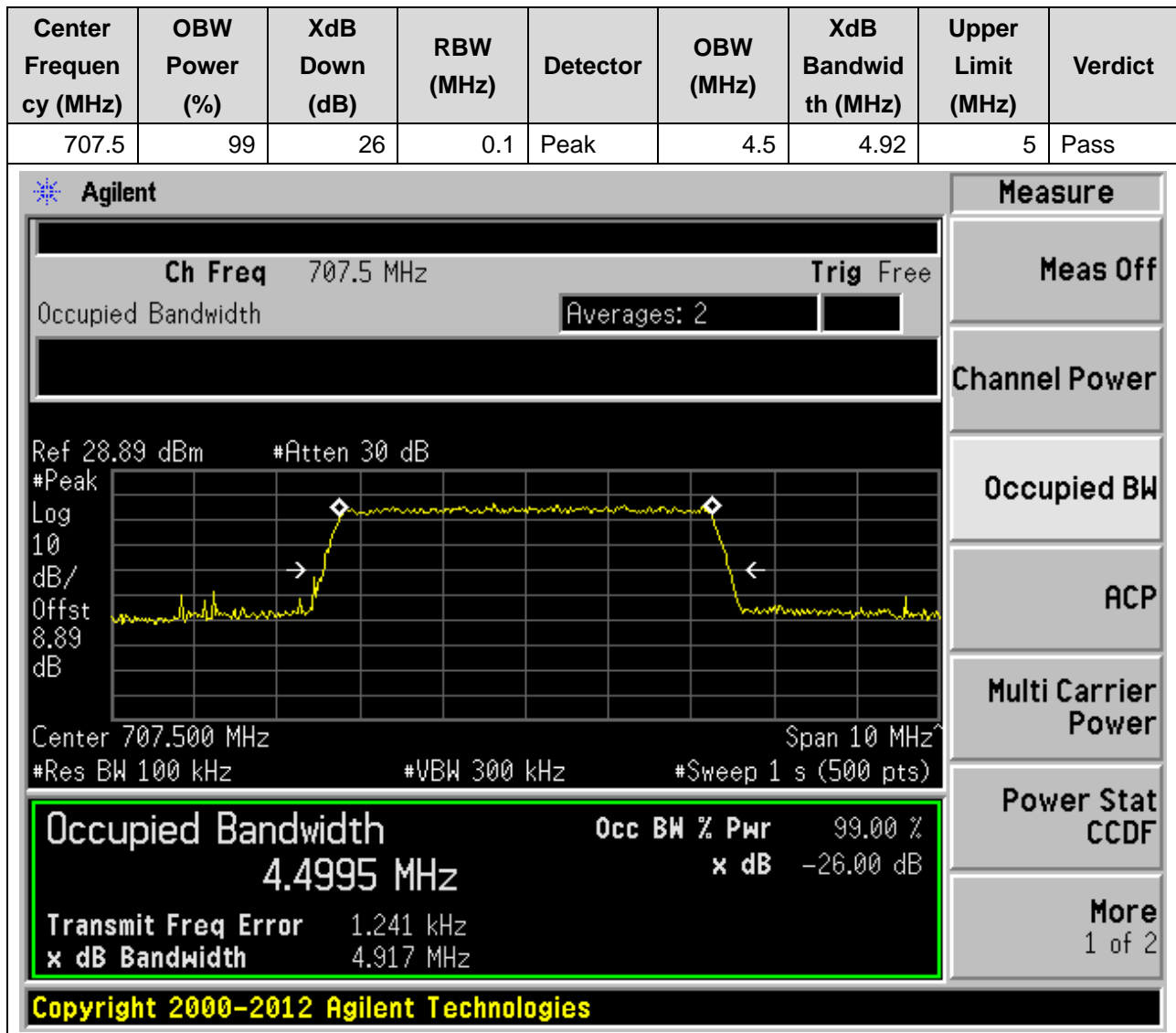


5.7. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23035, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
701.5	99	26	0.1	Peak	4.48	4.9	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 701.5 MHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 28.88 dBm', '#Atten 30 dB', 'Log 10 dB/Offst 8.88 dB', 'Center 701.500 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 4.4850 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error 3.064 kHz', and 'x dB Bandwidth 4.899 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'.

5.8. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23095, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



5.9. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23155, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	Peak	4.49	4.9	5	Pass

Agilent

Measure

Ch Freq 713.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 28.89 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.89

dB

Center 713.500 MHz
Span 10 MHz

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

Occupied Bandwidth

4.4866 MHz

Transmit Freq Error -7.829 kHz

x dB Bandwidth 4.901 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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

5.10. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23060, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
704	99	26	0.2	Peak	8.94	9.73	10	Pass

Agilent

Ch Freq 704 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.88 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.88 dB

Center 704.00 MHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9385 MHz x dB -26.00 dB

Transmit Freq Error 10.761 kHz

x dB Bandwidth 9.734 MHz

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Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

5.11. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23095, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
707.5	99	26	0.2	Peak	8.94	9.71	10	Pass

Agilent

Measure

Ch Freq 707.5 MHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 28.89 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
8.89

dB

Center 707.50 MHz
Span 20 MHz

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

Occupied Bandwidth

8.9417 MHz

Transmit Freq Error 612.264 Hz

x dB Bandwidth 9.708 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

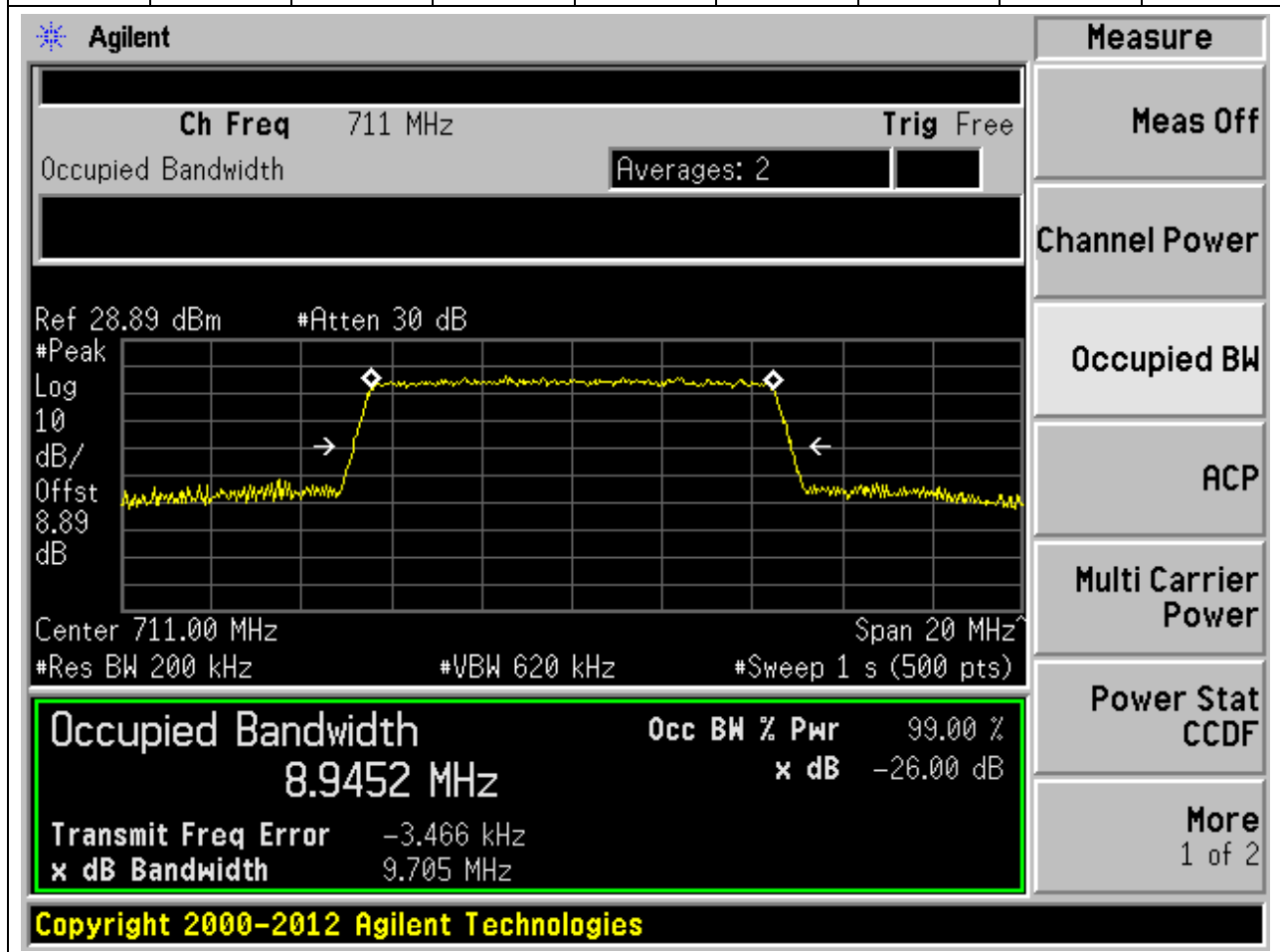
Power Stat CCDF

More

1 of 2

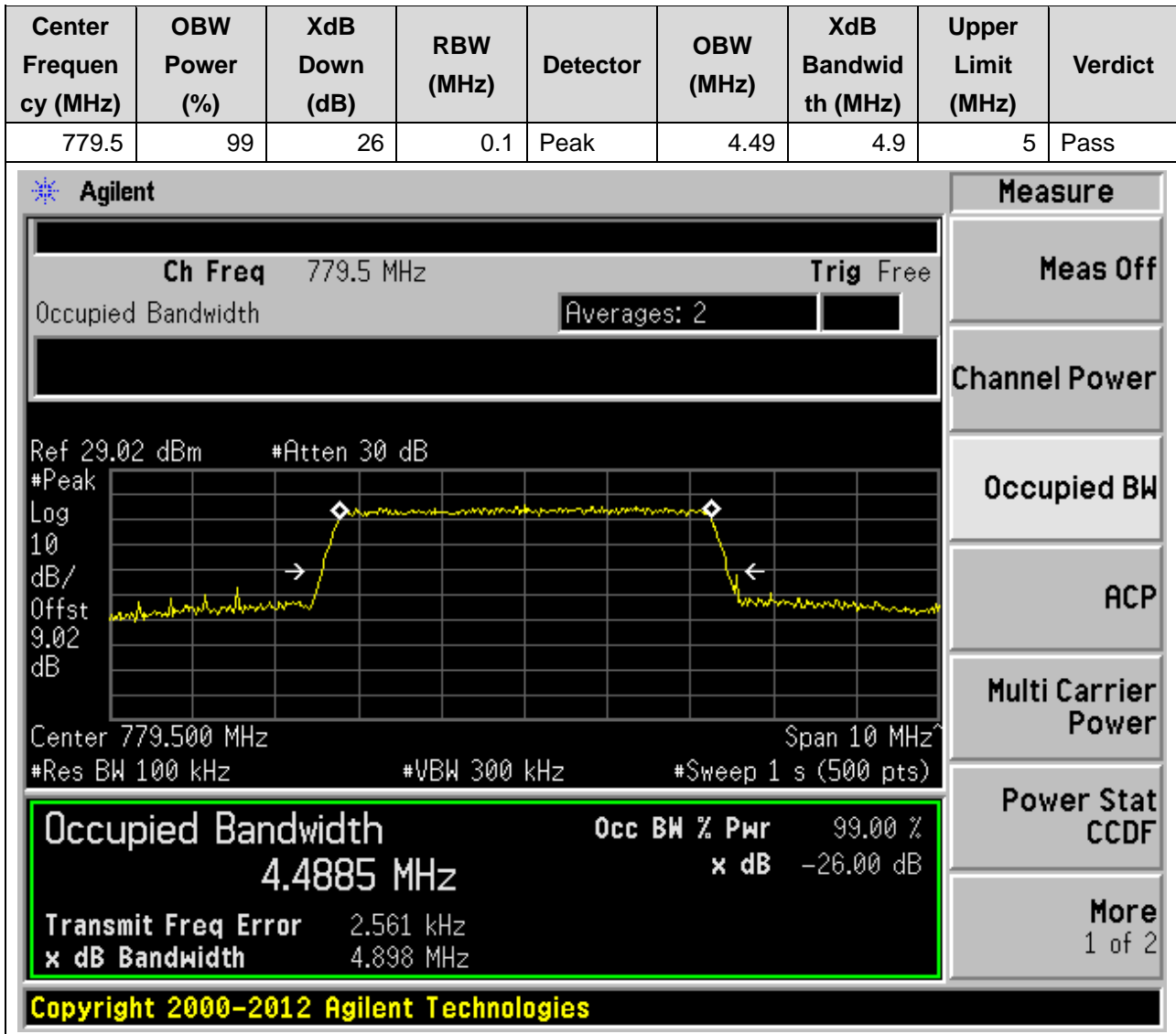
5.12. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23130, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.2	Peak	8.95	9.7	10	Pass



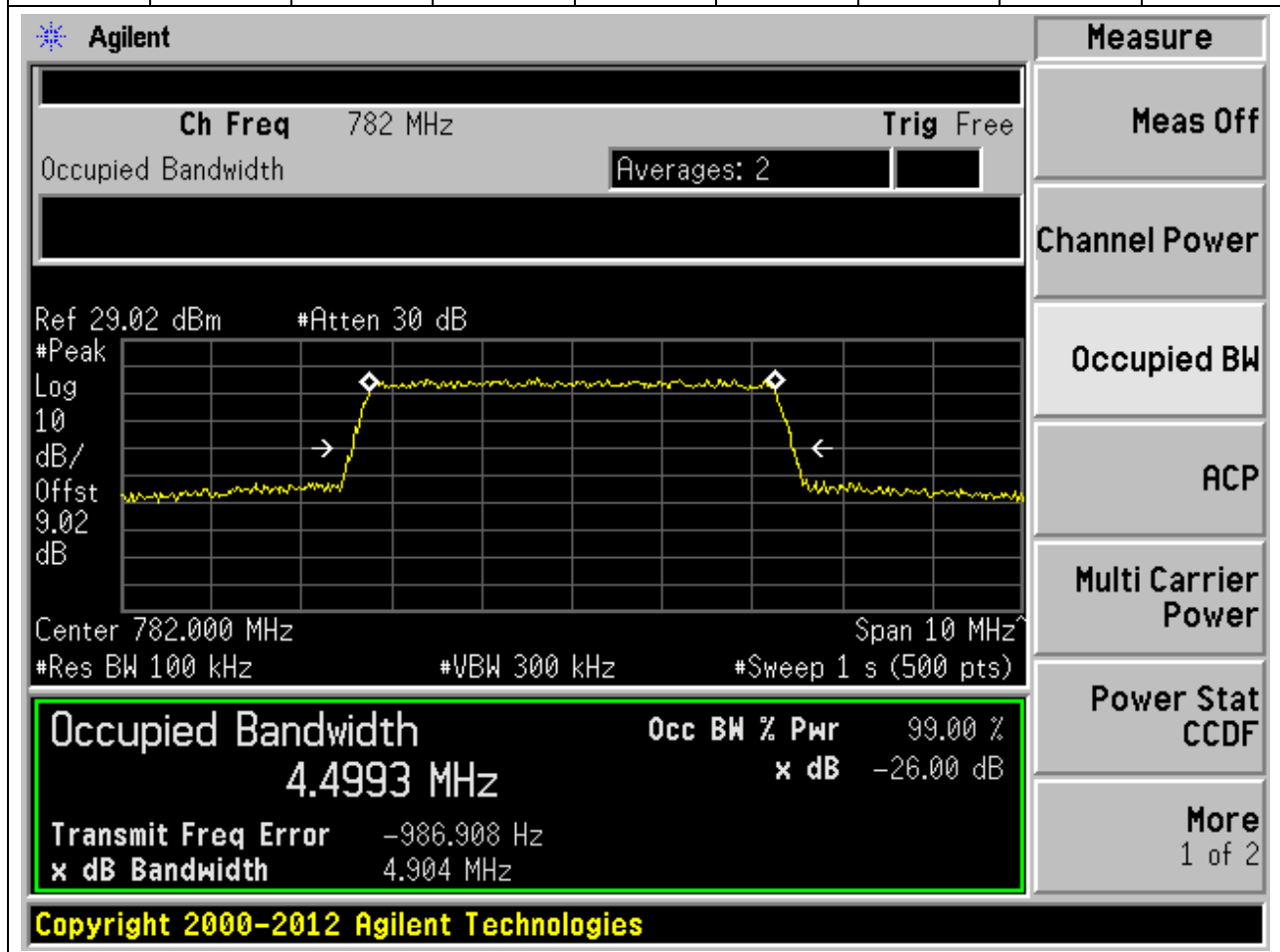
6. LTE_Band13

6.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23205, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



6.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, 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
782	99	26	0.1	Peak	4.5	4.9	5	Pass



6.3. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23255, 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
784.5	99	26	0.1	Peak	4.49	4.91	5	Pass

Agilent

Ch Freq 784.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.02 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.02 dB

Center 784.500 MHz Span 10 MHz

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

Occupied Bandwidth 4.4877 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -4.594 kHz

x dB Bandwidth 4.906 MHz

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Measure

Meas Off

Channel Power

Occupied BW

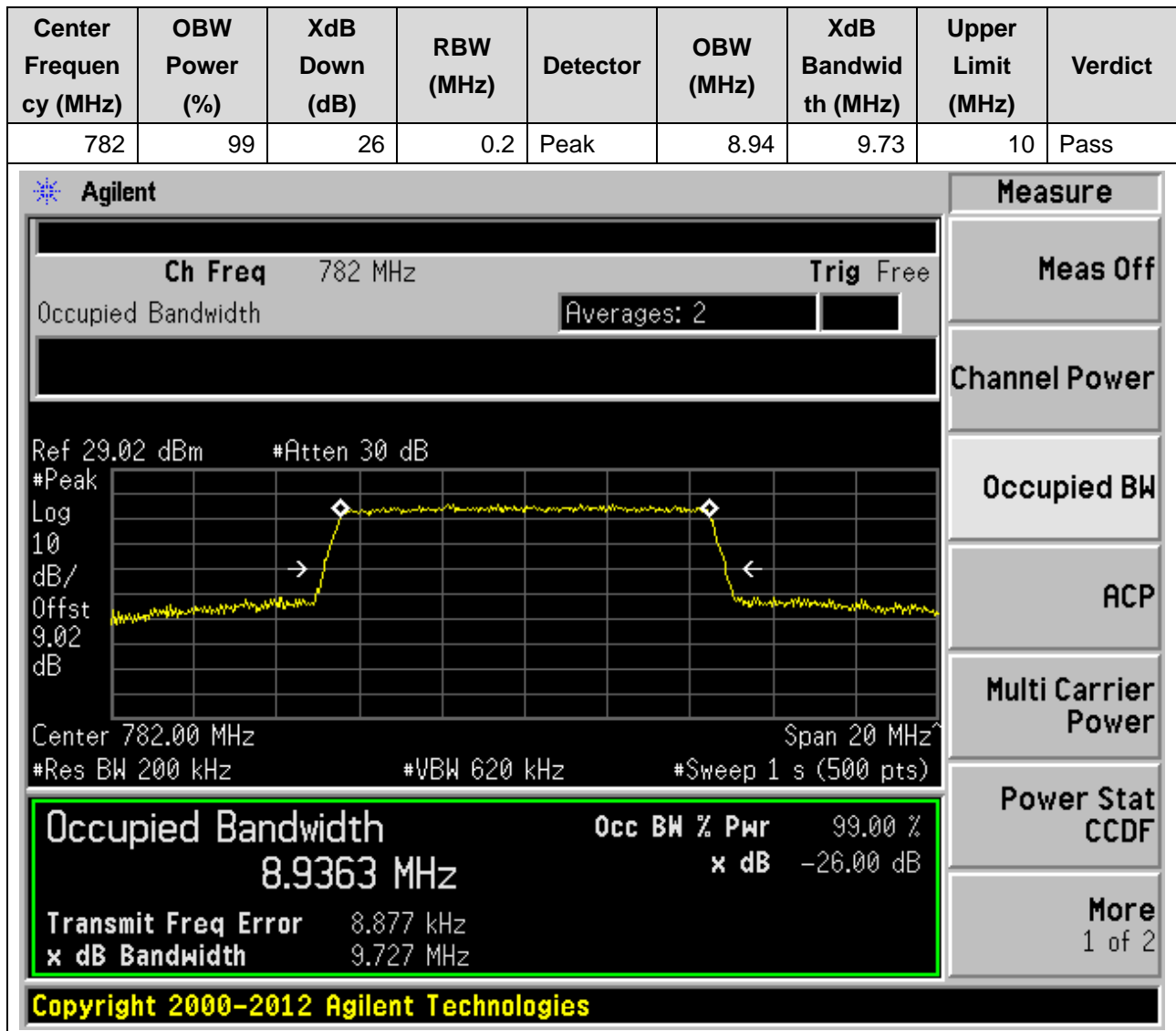
ACP

Multi Carrier Power

Power Stat CCDF

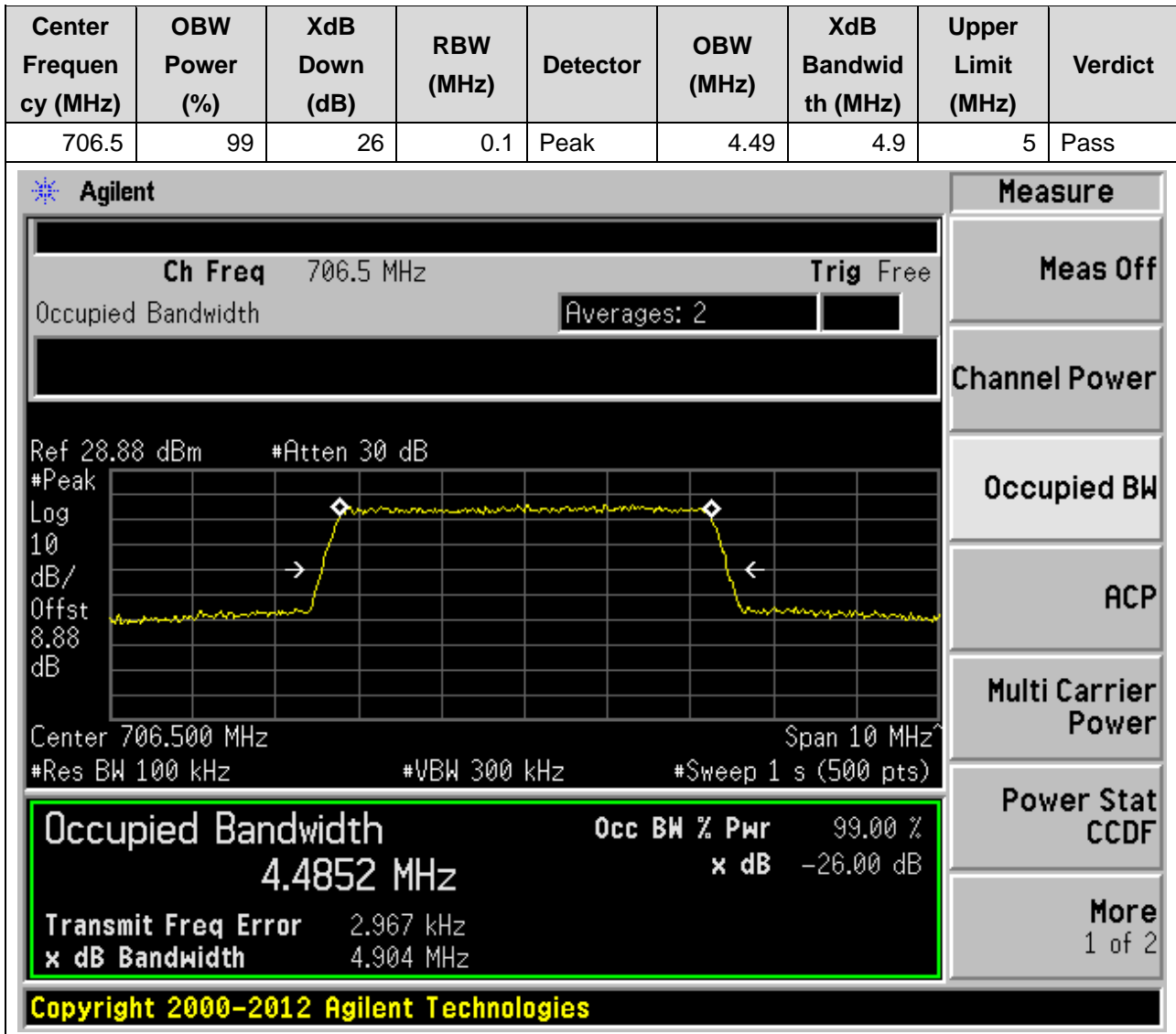
More 1 of 2

6.4. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23230, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)



7. LTE_Band17

7.1. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23755, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



7.2. LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(NTNV)(Channel:23790, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	Peak	4.5	4.9	5	Pass

