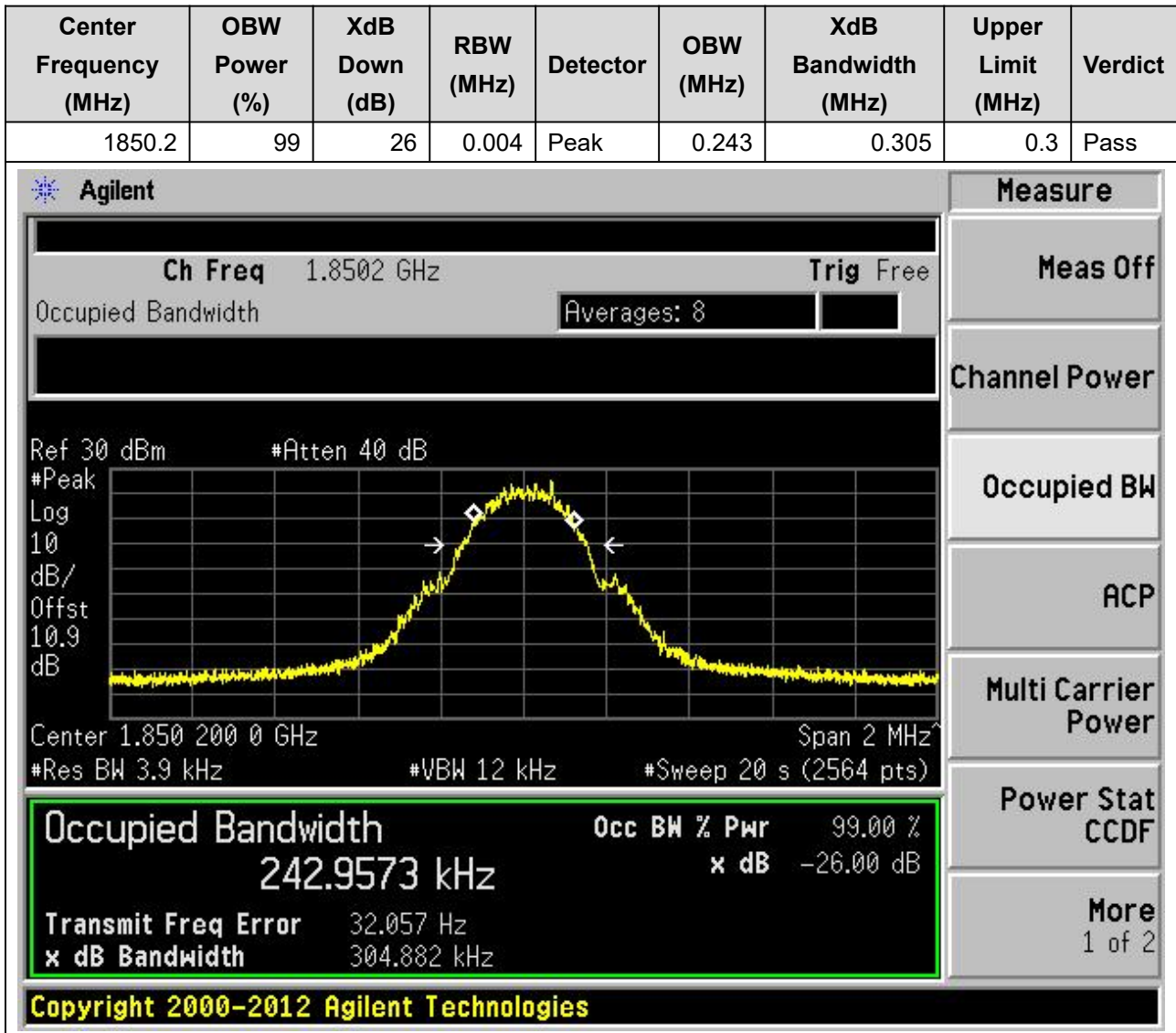


Annex A.3 Occupied Bandwidth

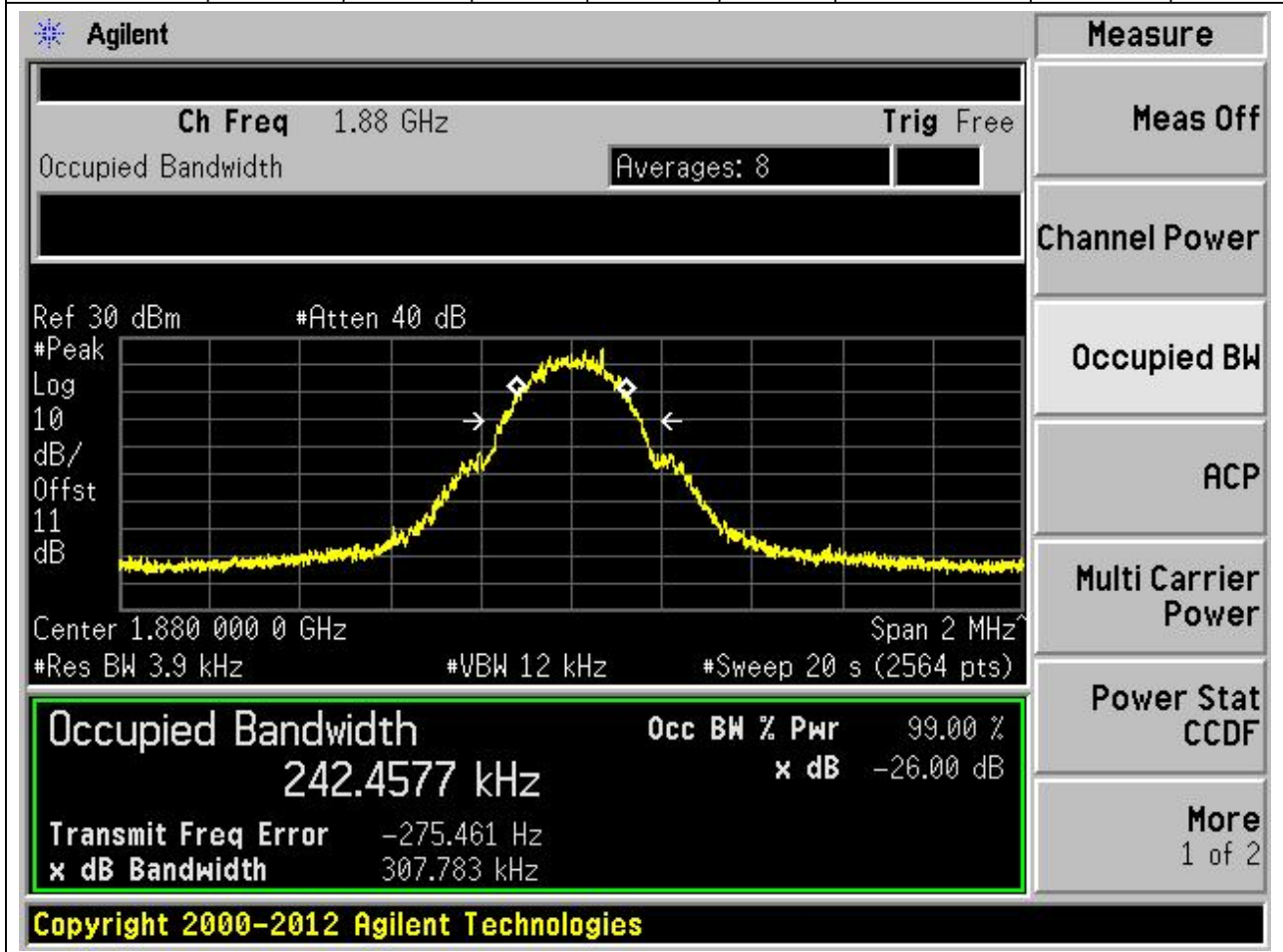
1. GSM_PCS

1.1. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:512)



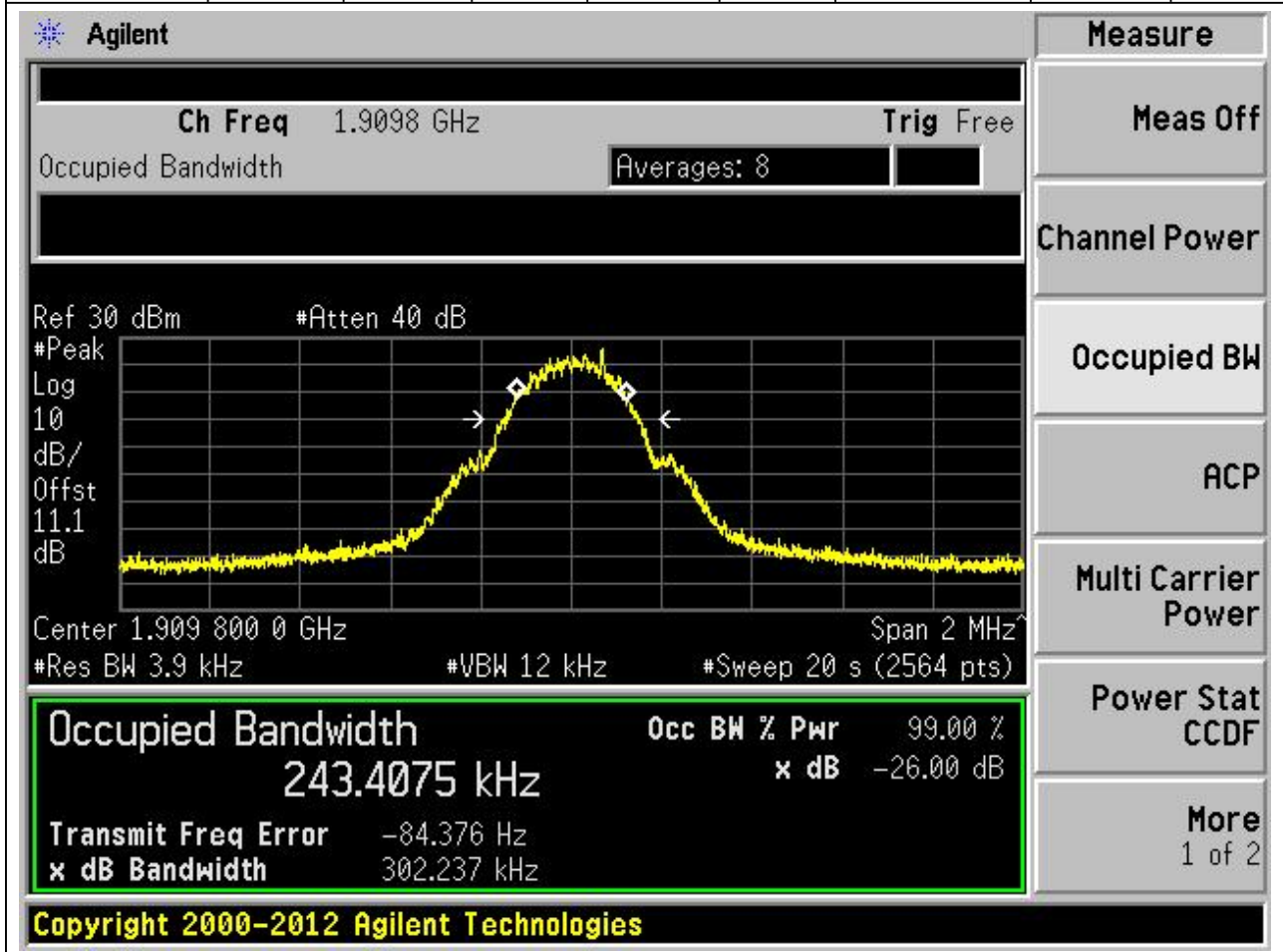
1.2. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:661)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1880 | 99 | 26 | 0.004 | Peak | 0.242 | 0.308 | 0.3 | Pass |



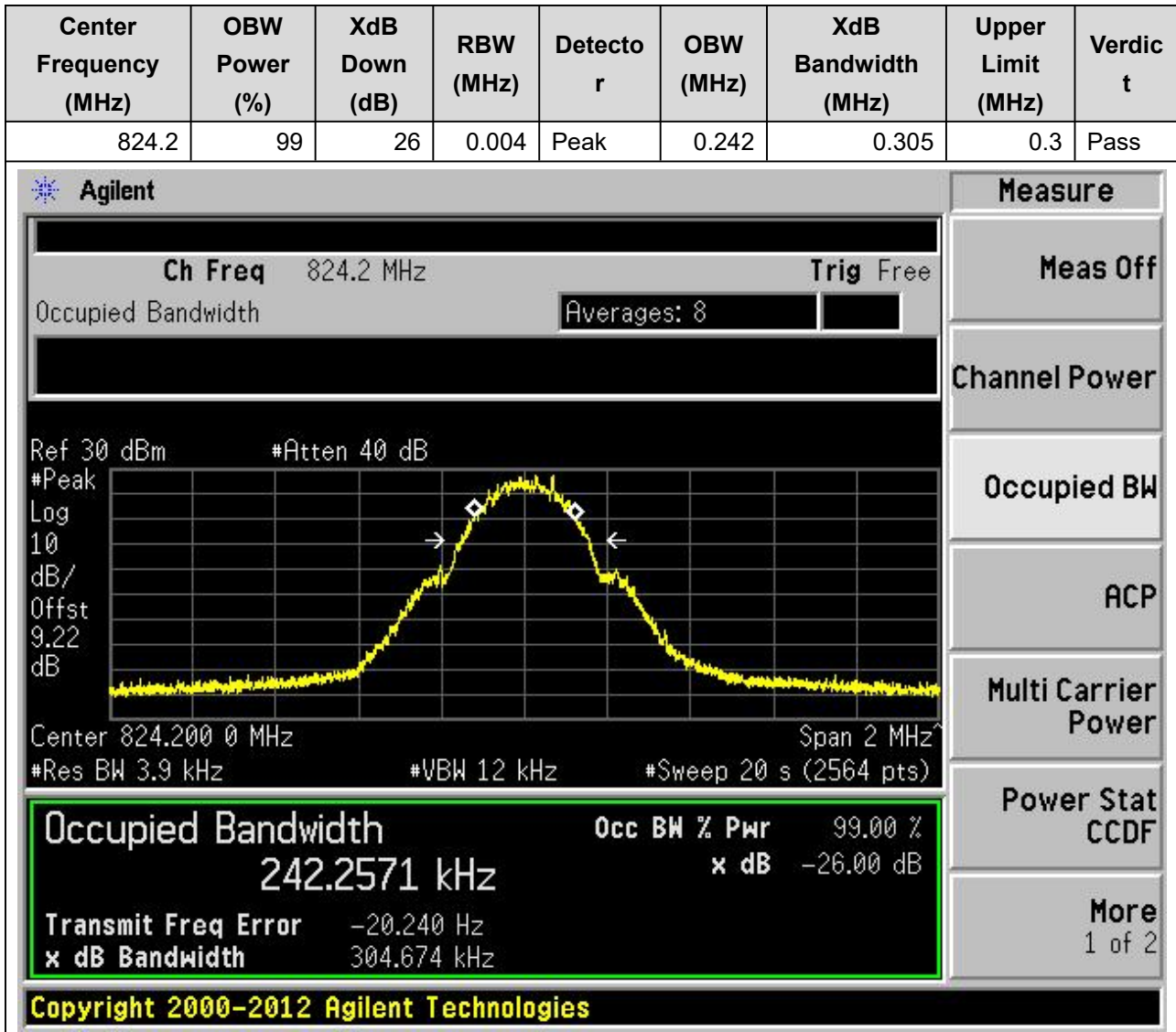
1.3. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:810)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1909.8 | 99 | 26 | 0.004 | Peak | 0.243 | 0.302 | 0.3 | Pass |



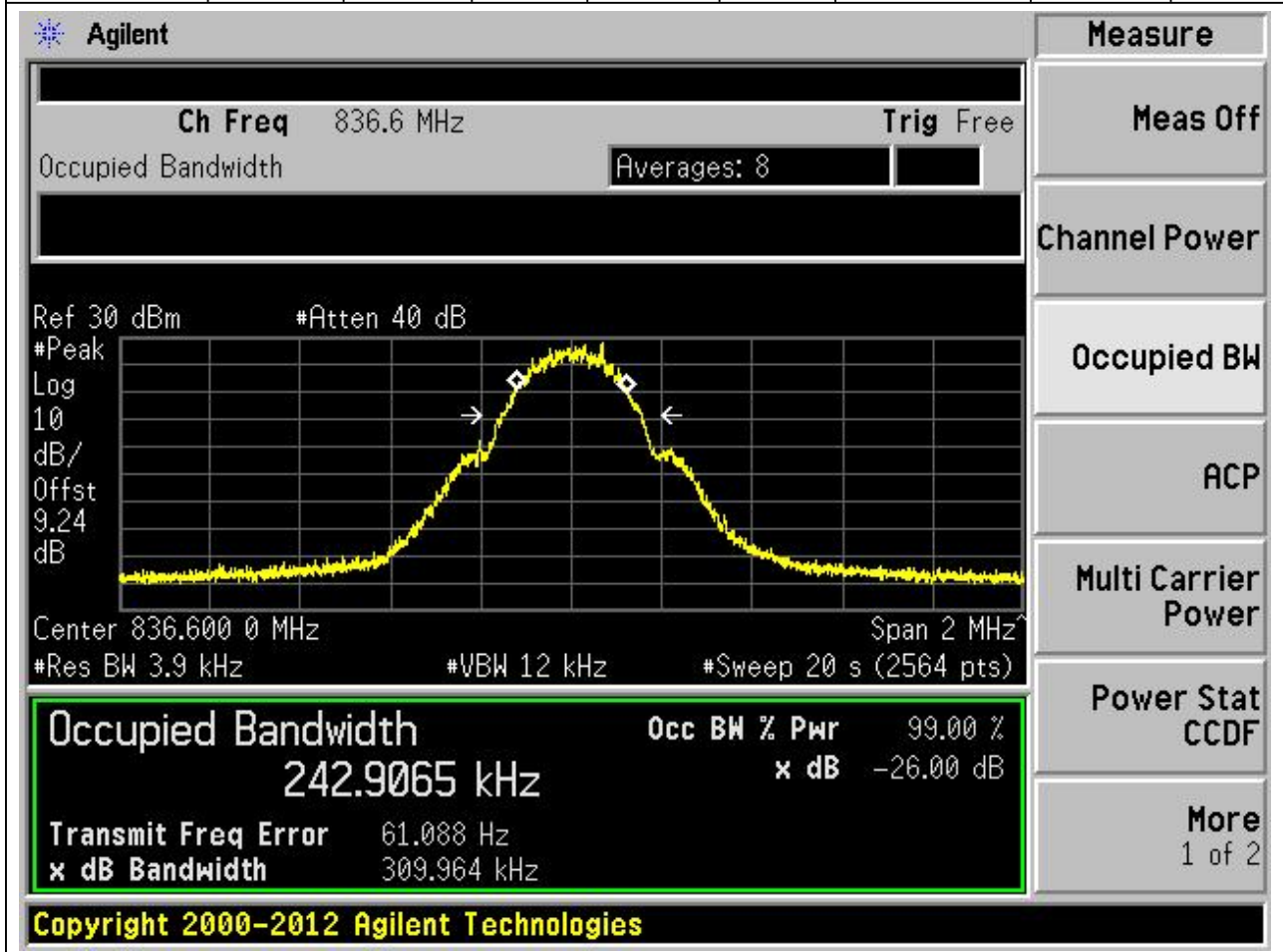
2. GSM_GSM850

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



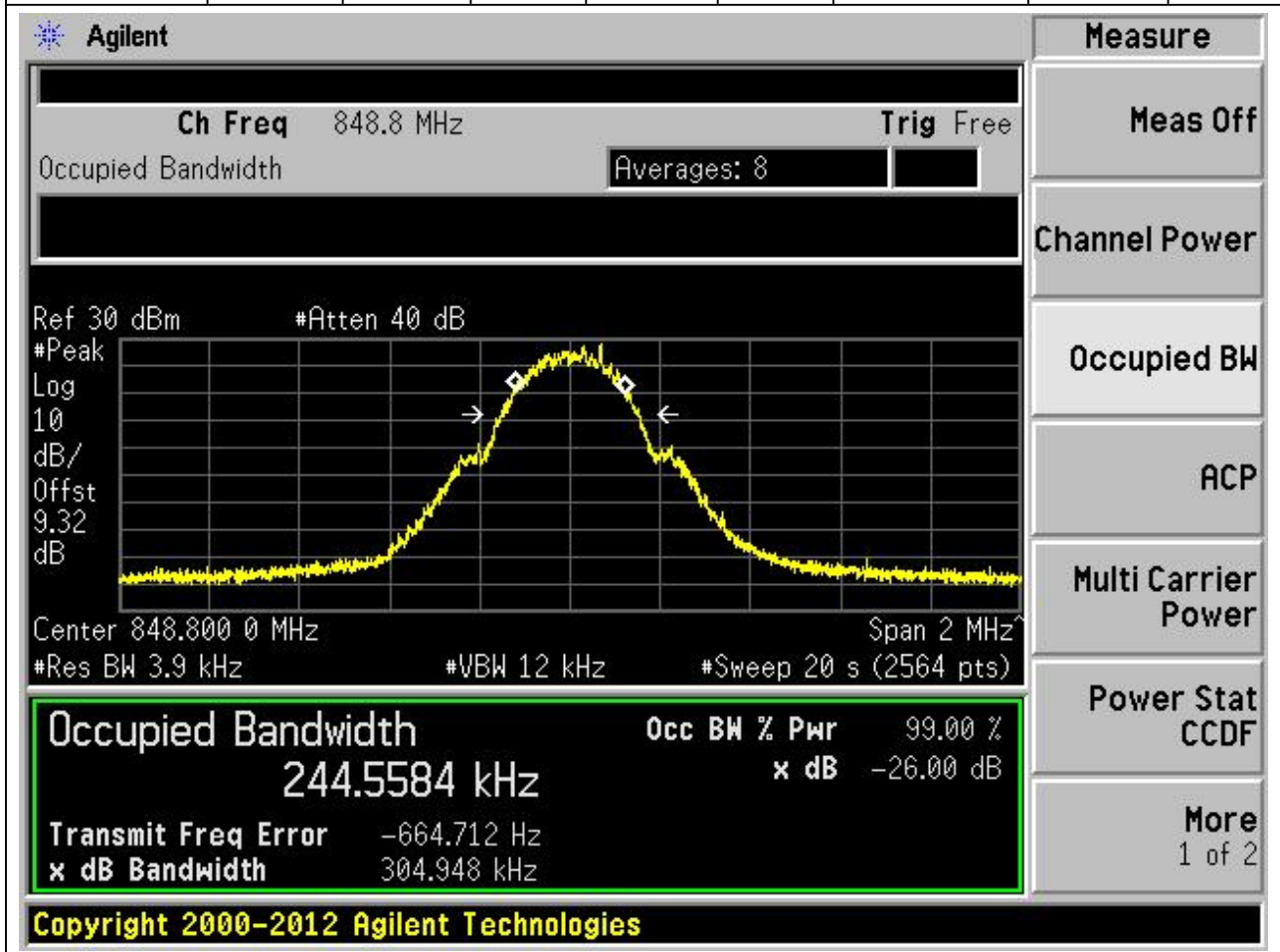
2.2. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:190)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.6 | 99 | 26 | 0.004 | Peak | 0.243 | 0.31 | 0.3 | Pass |



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

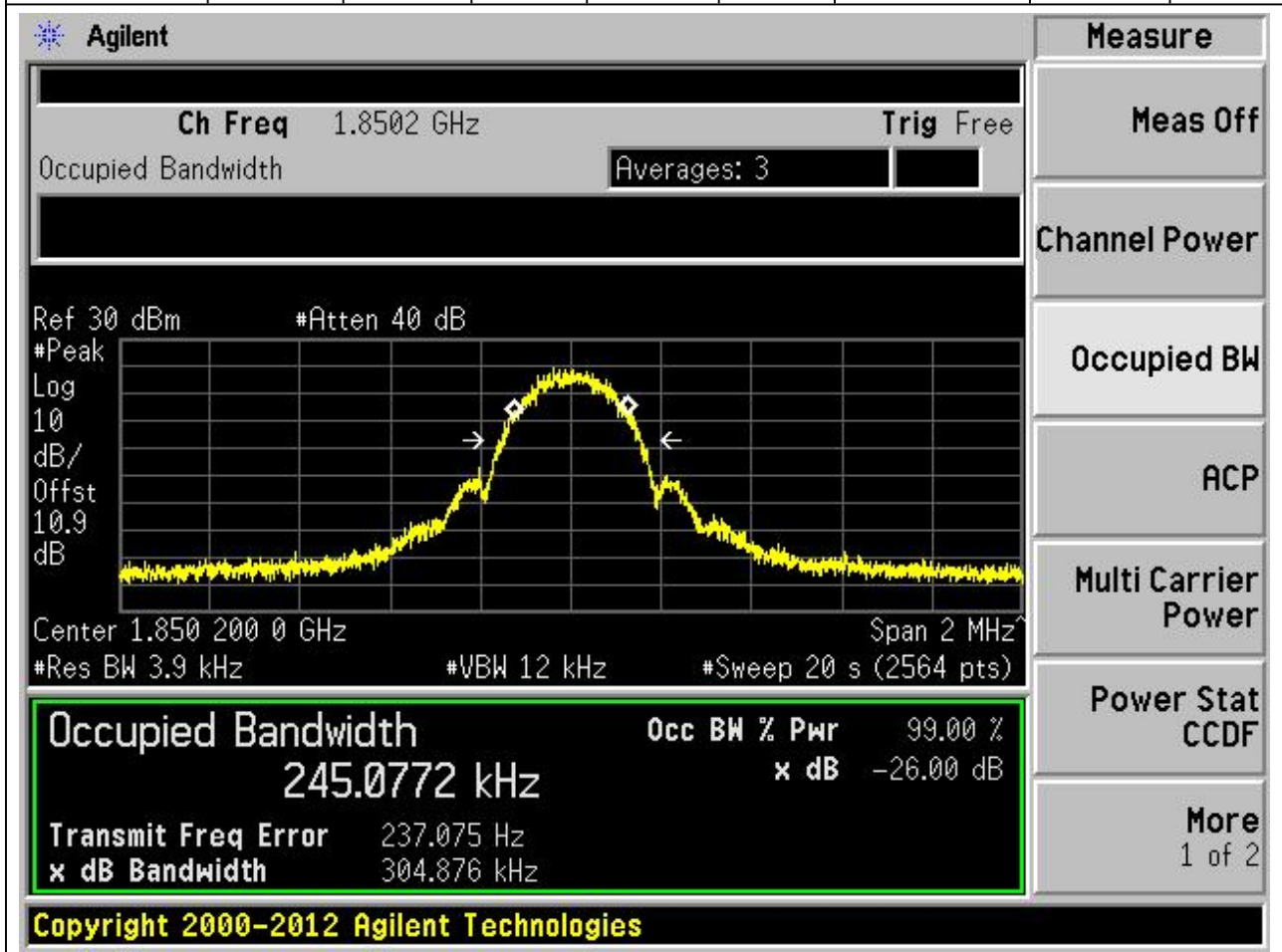
| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 848.8 | 99 | 26 | 0.004 | Peak | 0.245 | 0.305 | 0.3 | Pass |



3. EGPRS_PCS

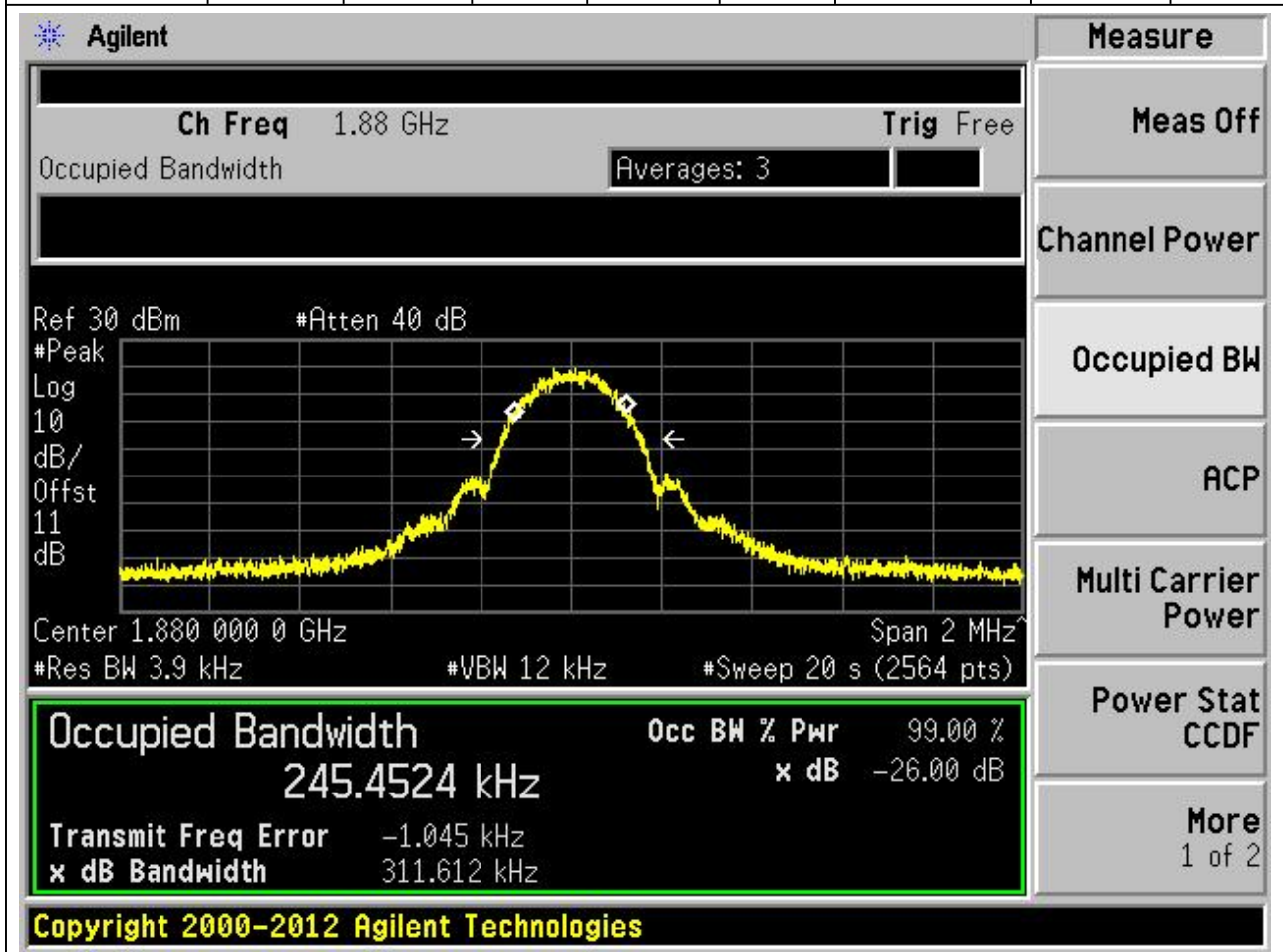
3.1. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:512)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1850.2 | 99 | 26 | 0.004 | Peak | 0.245 | 0.305 | 0.3 | Pass |



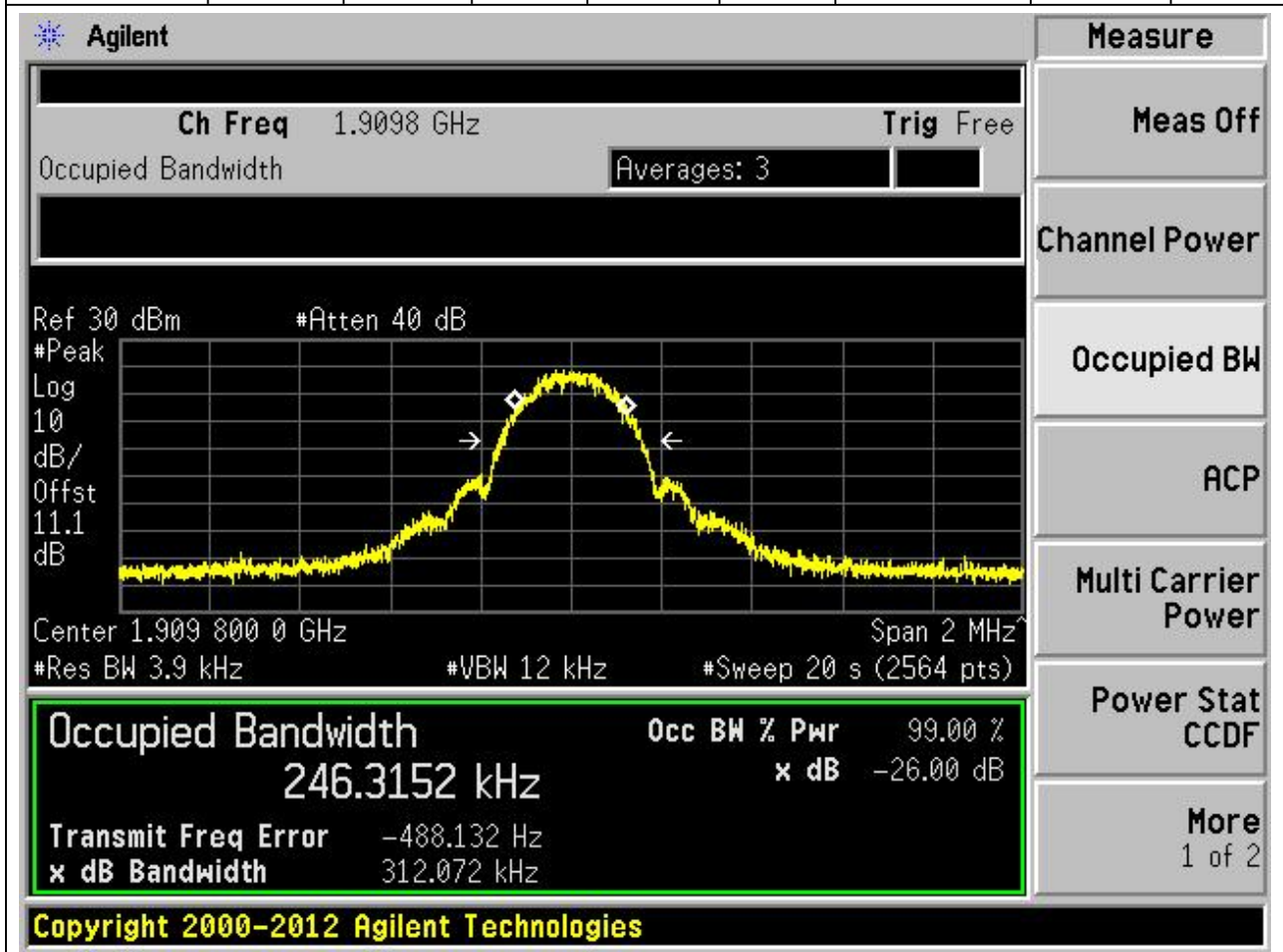
3.2. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:661)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1880 | 99 | 26 | 0.004 | Peak | 0.245 | 0.312 | 0.3 | Pass |



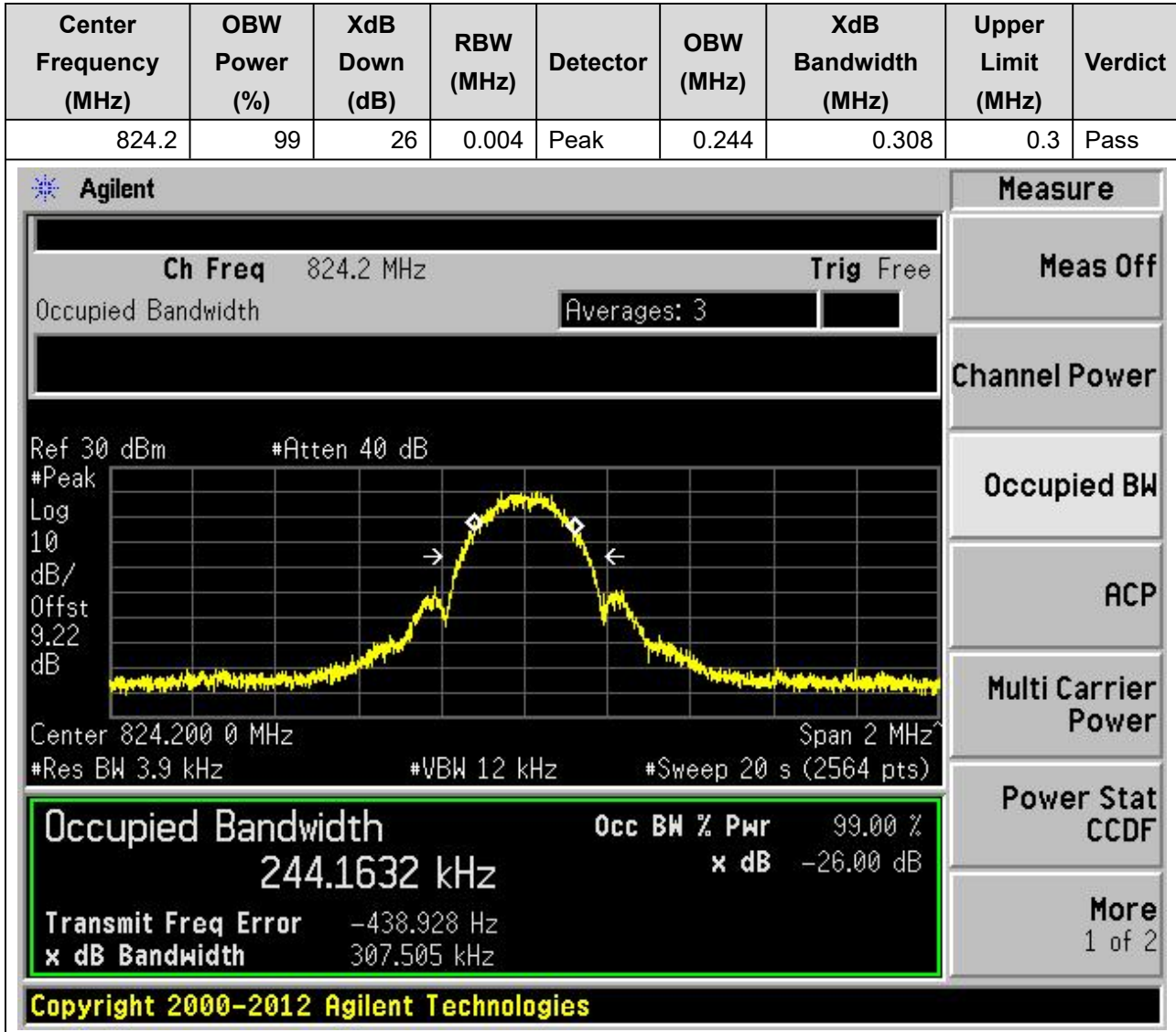
3.3. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:810)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1909.8 | 99 | 26 | 0.004 | Peak | 0.246 | 0.312 | 0.3 | Pass |



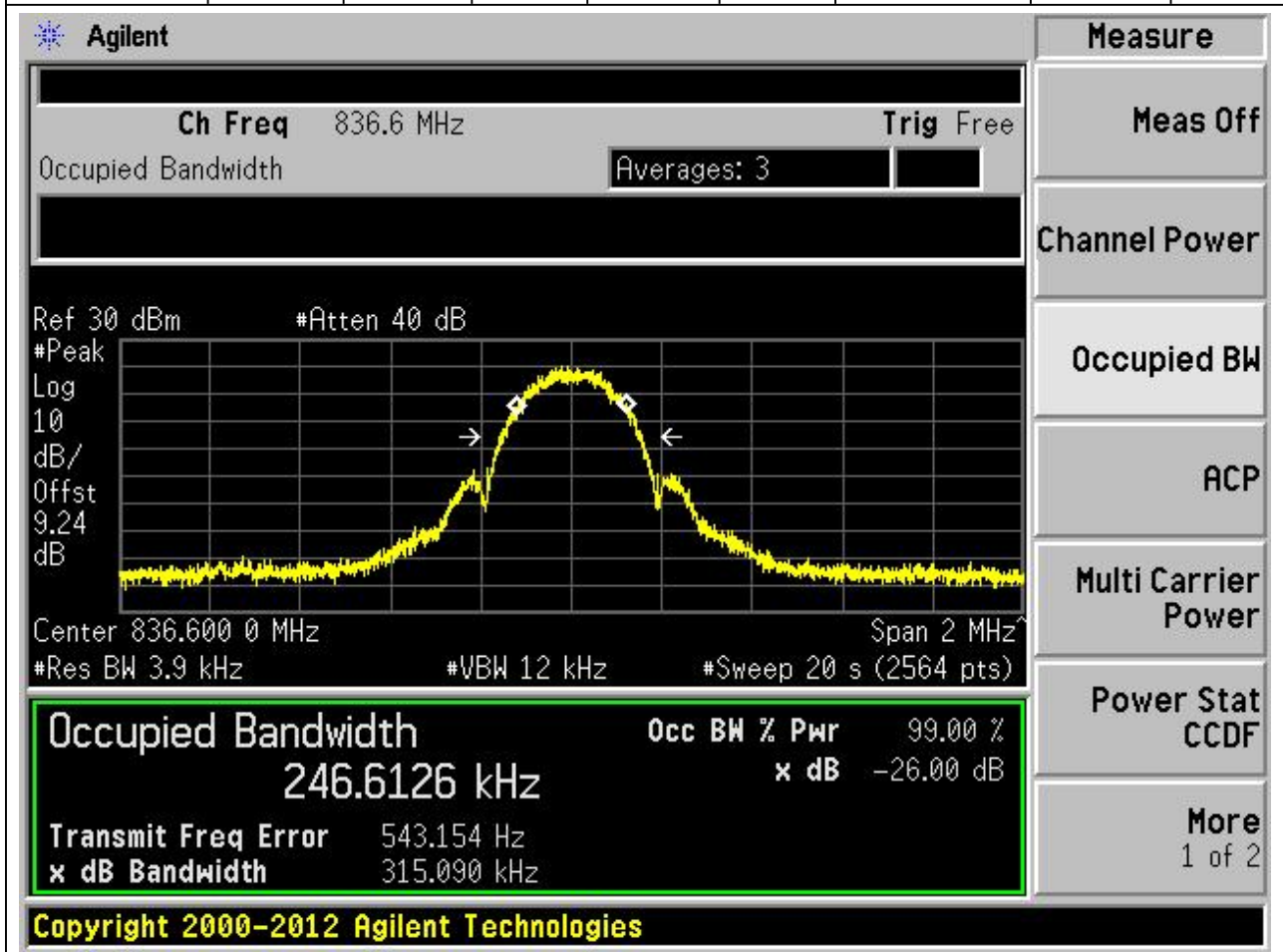
4. EGPRS_GSM850

4.1. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:128)



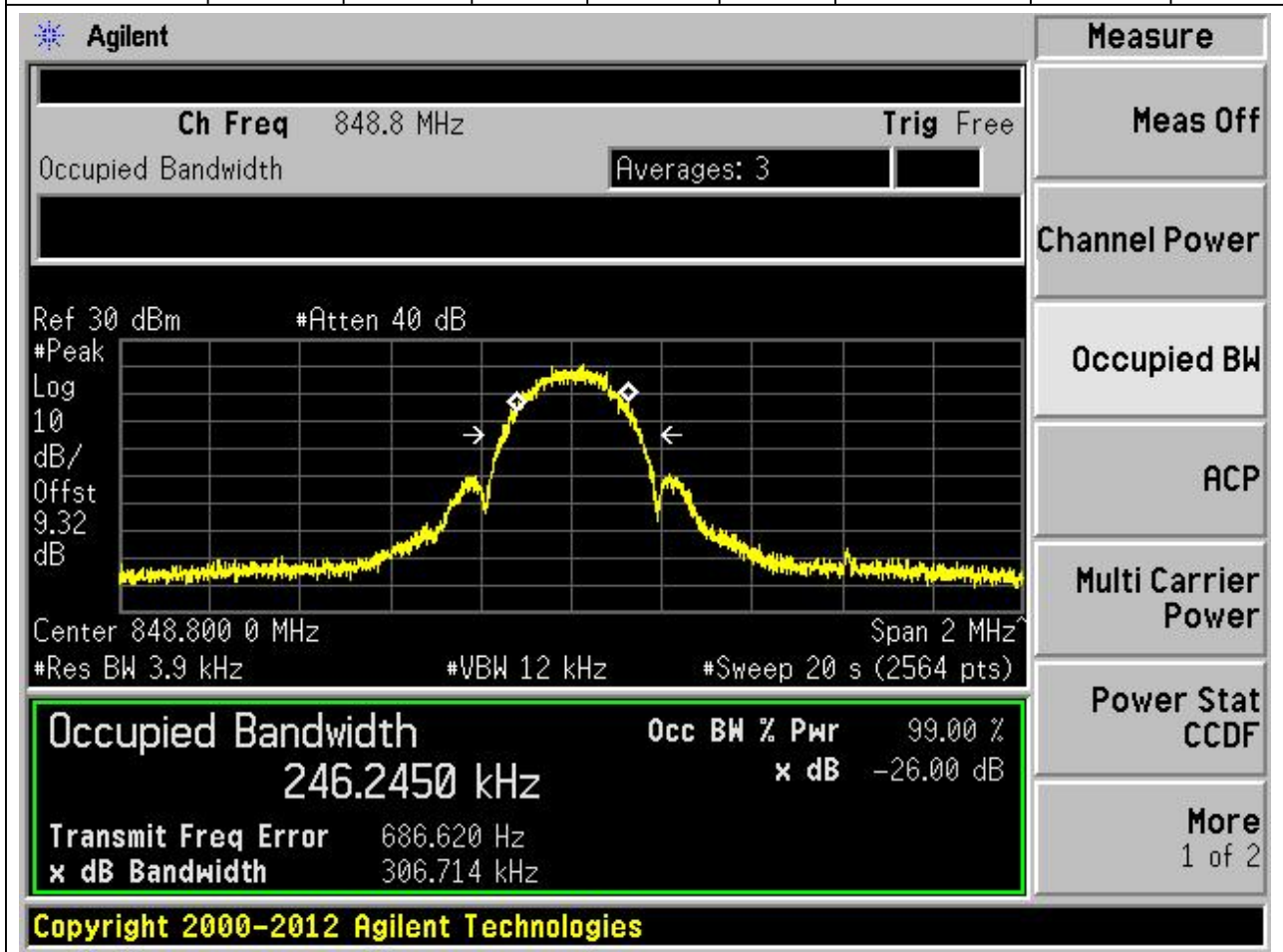
4.2. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:190)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.6 | 99 | 26 | 0.004 | Peak | 0.247 | 0.315 | 0.3 | Pass |



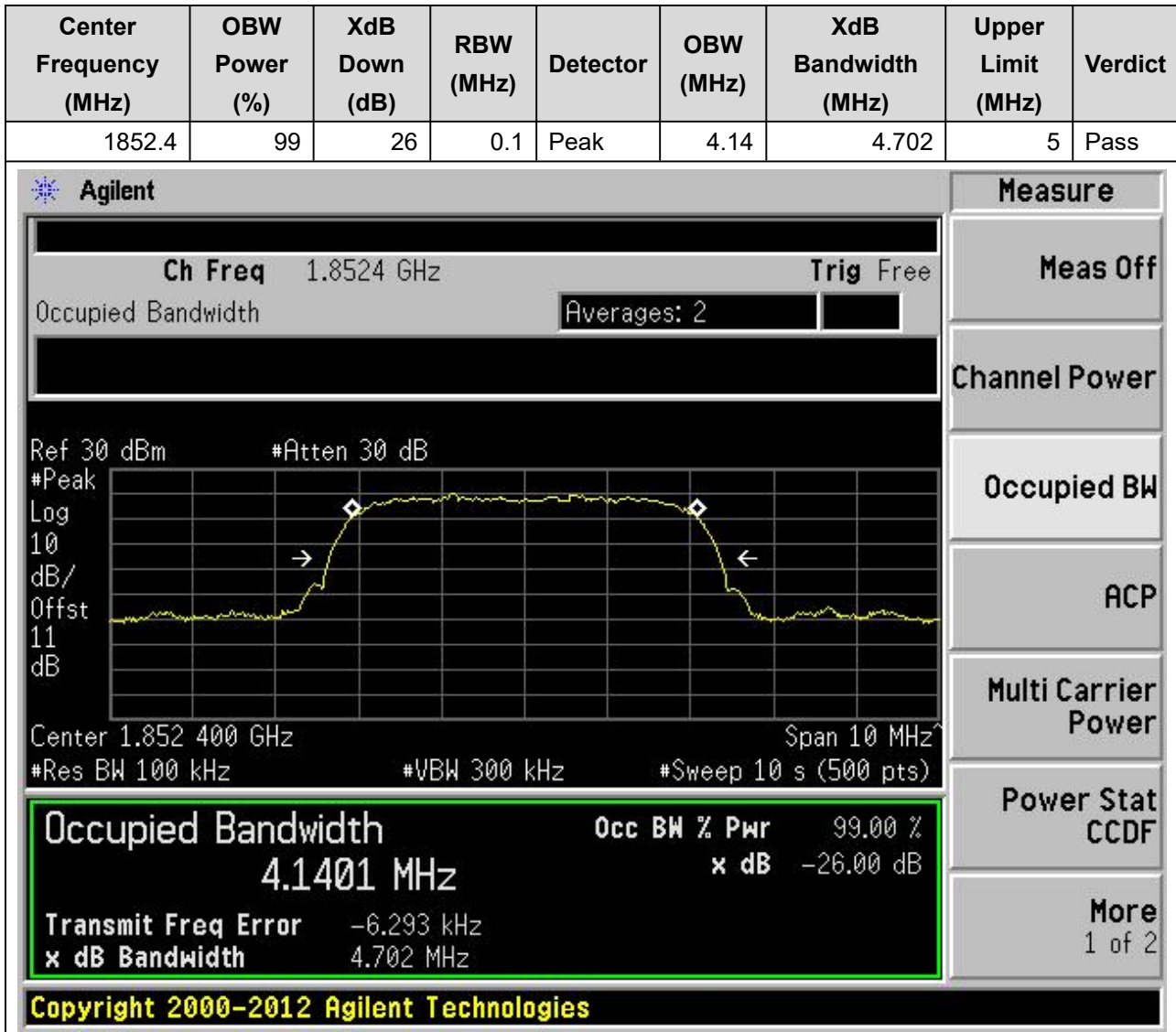
4.3. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:251)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 848.8 | 99 | 26 | 0.004 | Peak | 0.246 | 0.307 | 0.3 | Pass |



5. WCDMA_Band2

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



5.2. 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 | 4.139 | 4.698 | 5 | Pass |

Agilent

Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.880 000 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

4.1392 MHz

Occ BW % Pwr

99.00 %

x dB

-26.00 dB

Transmit Freq Error -3.137 kHz

x dB Bandwidth 4.698 MHz

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5.3. 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 | 4.143 | 4.709 | 5 | Pass |

Agilent
Measure

Ch Freq 1.9076 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 1.907 600 GHz Span 10 MHz

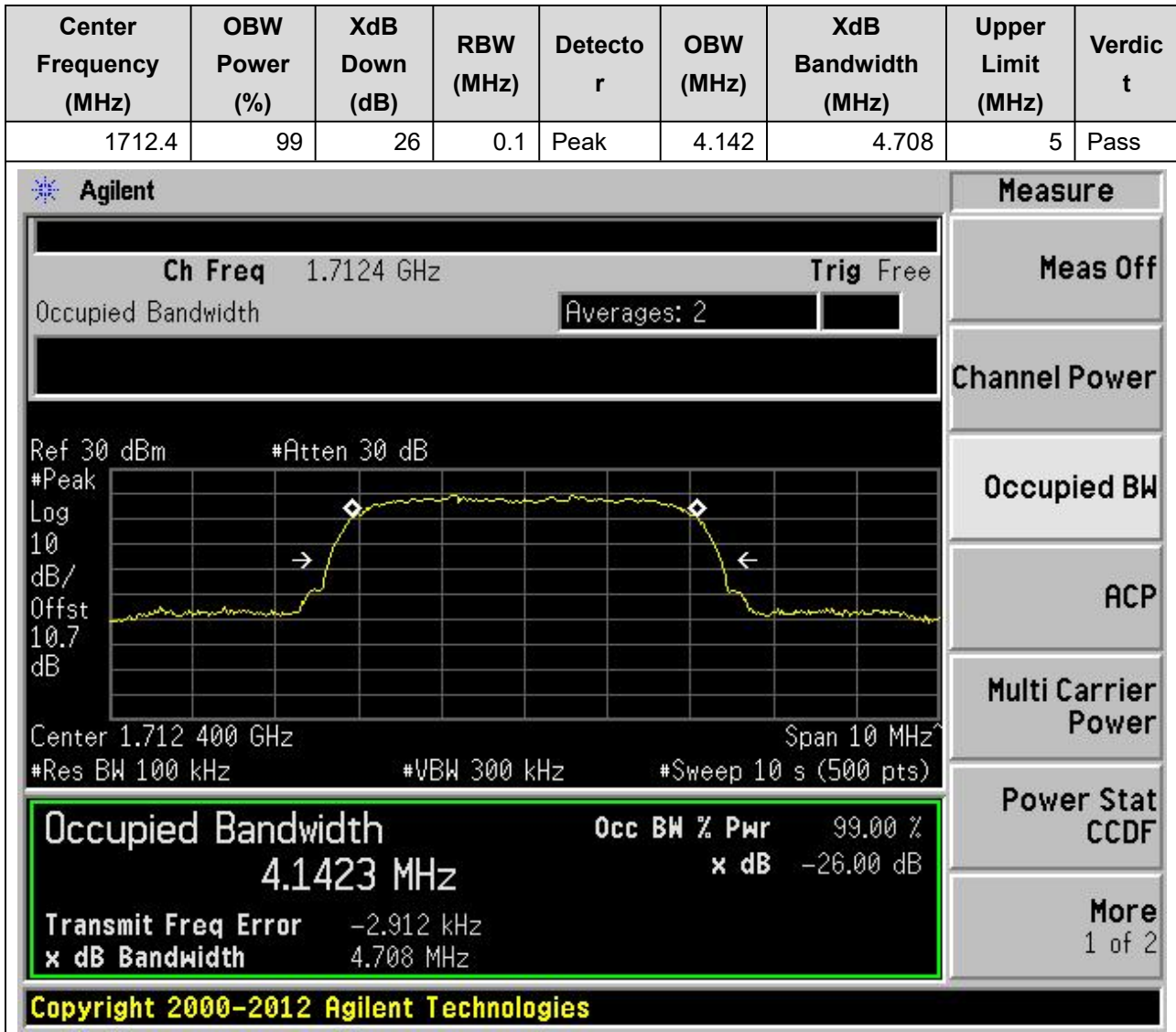
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 4.1426 MHz | x dB -26.00 dB |
| Transmit Freq Error -8.674 kHz | |
| x dB Bandwidth 4.709 MHz | |

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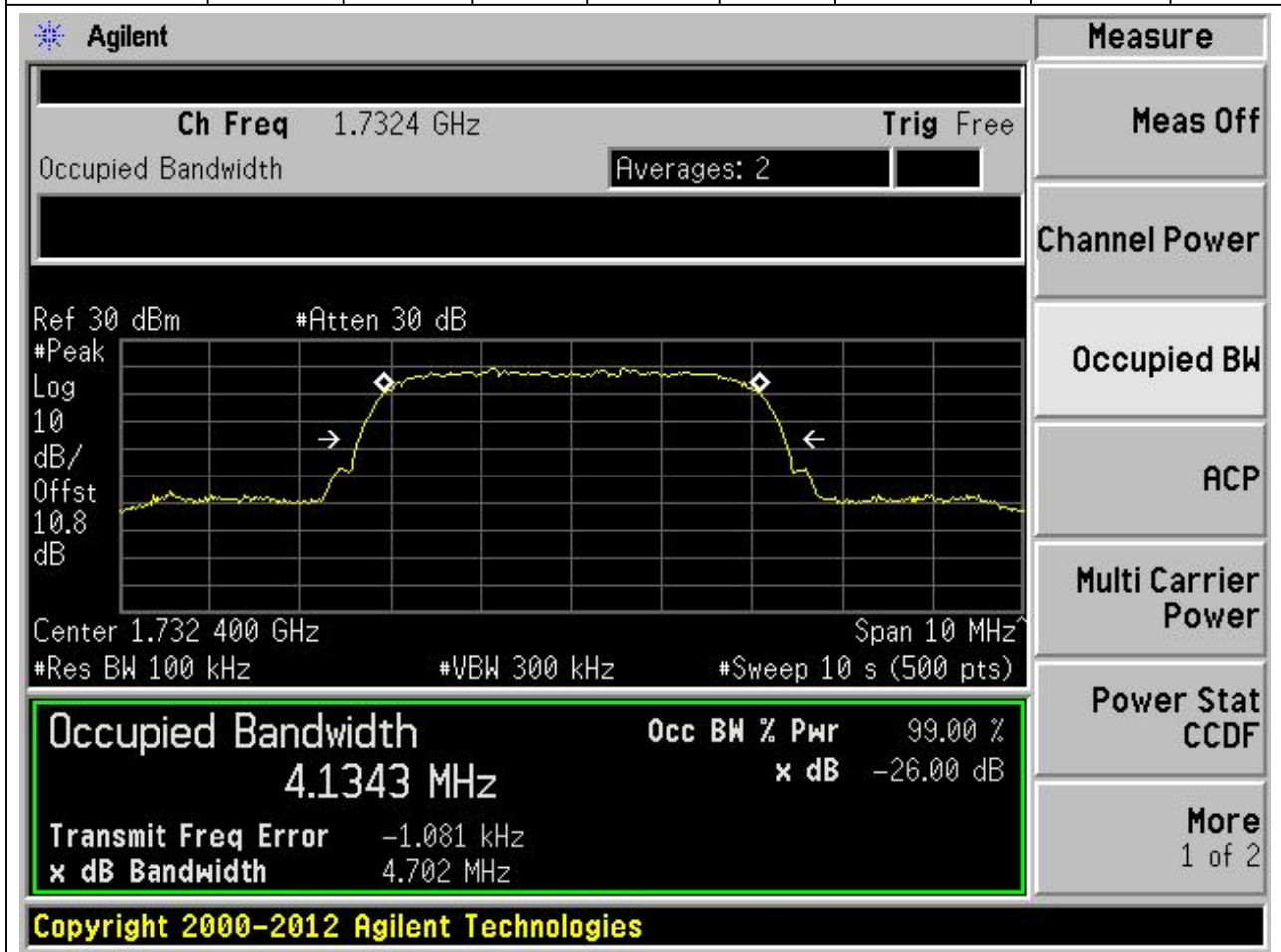
6. WCDMA_Band4

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



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

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1732.4 | 99 | 26 | 0.1 | Peak | 4.134 | 4.702 | 5 | Pass |



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

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1752.6 | 99 | 26 | 0.1 | Peak | 4.134 | 4.708 | 5 | Pass |

Agilent
Measure

Ch Freq 1.7526 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 1.752 600 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 10 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 %

4.1342 MHz **x dB** -26.00 dB

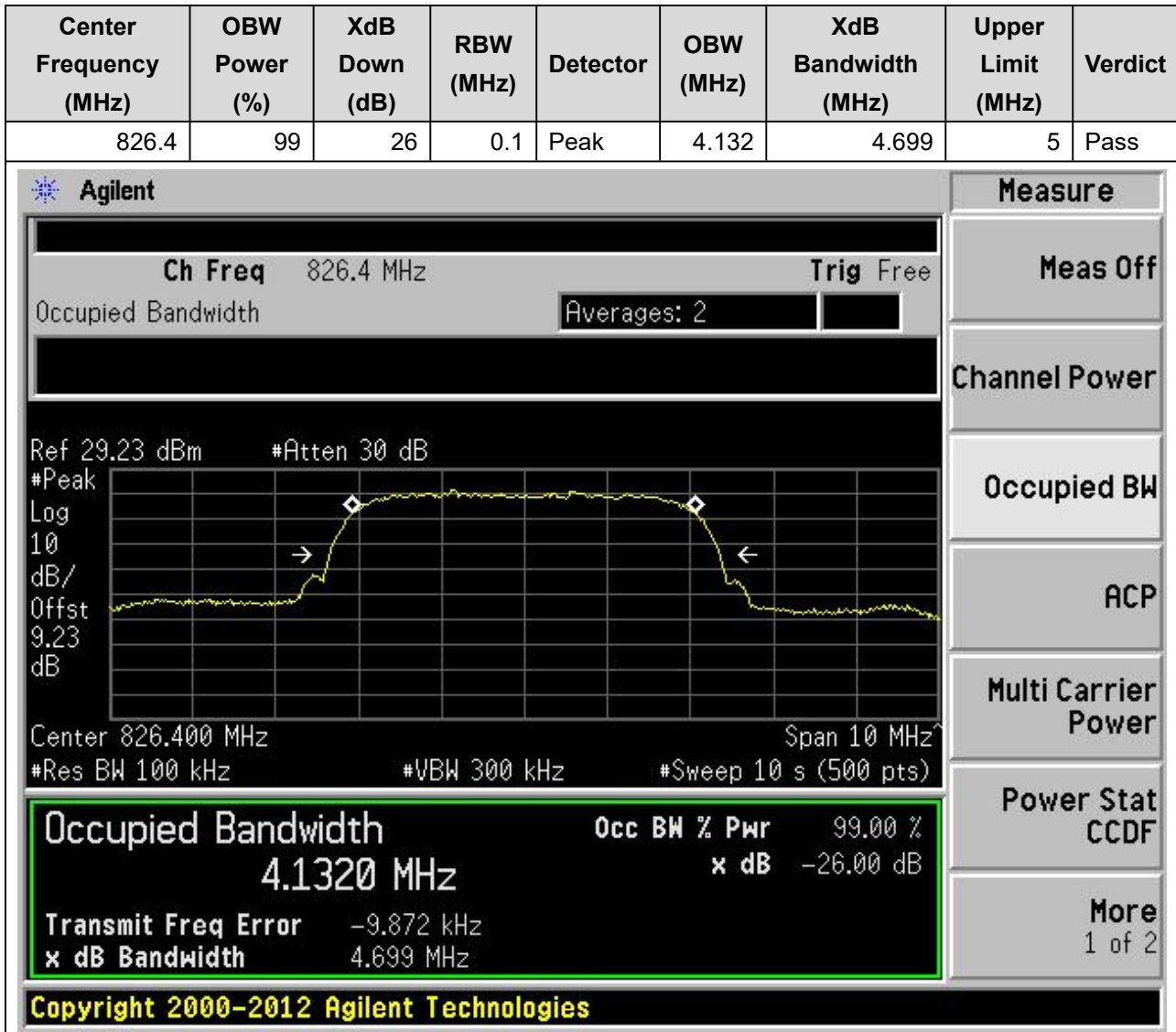
Transmit Freq Error -9.989 kHz

x dB Bandwidth 4.708 MHz

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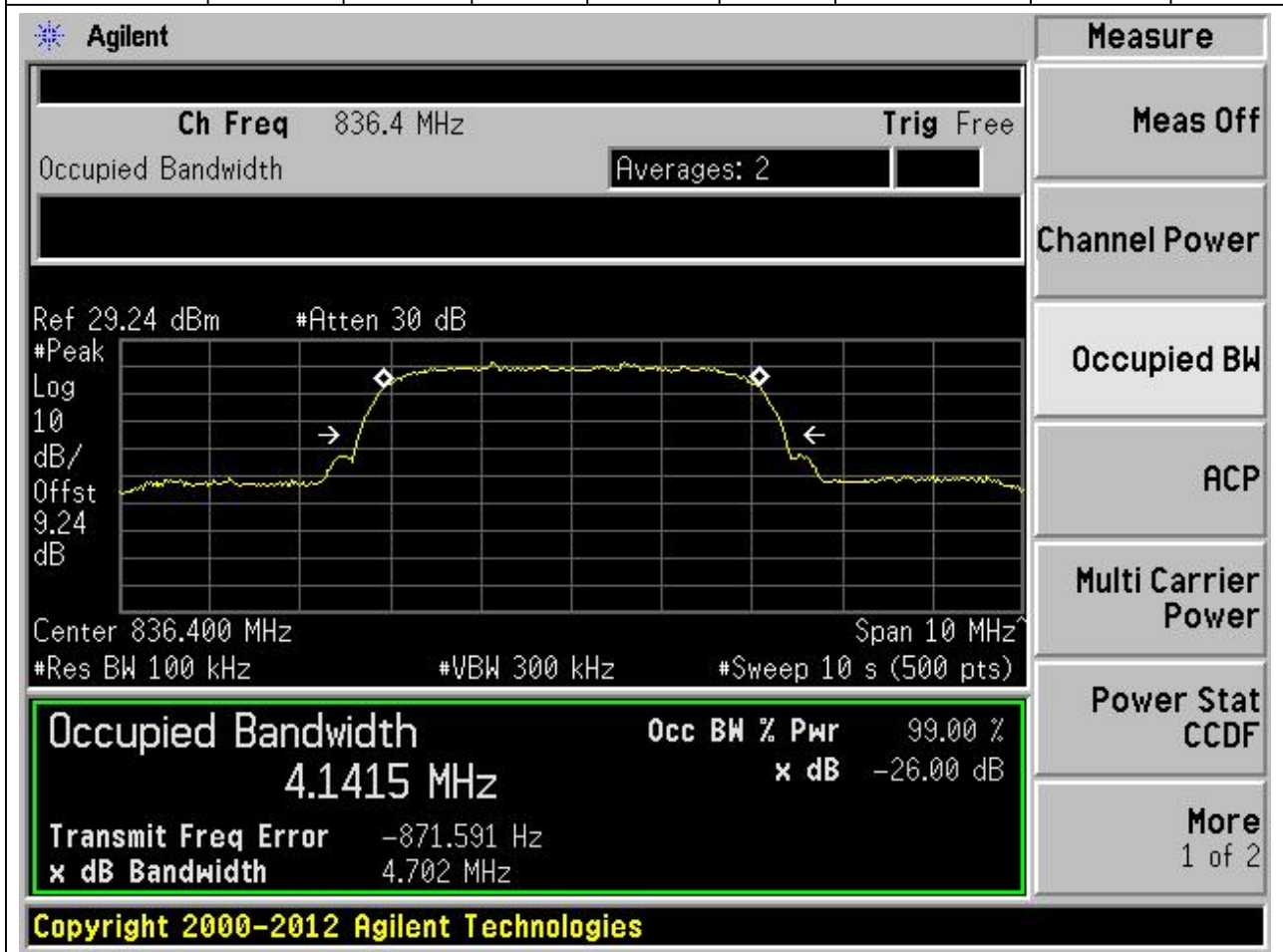
7. WCDMA_Band5

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



7.2. 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 | 4.141 | 4.702 | 5 | Pass |



7.3. 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 | 4.142 | 4.701 | 5 | Pass |

Agilent
Measure

Ch Freq 846.6 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 29.3 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 %

4.1419 MHz **x dB** -26.00 dB

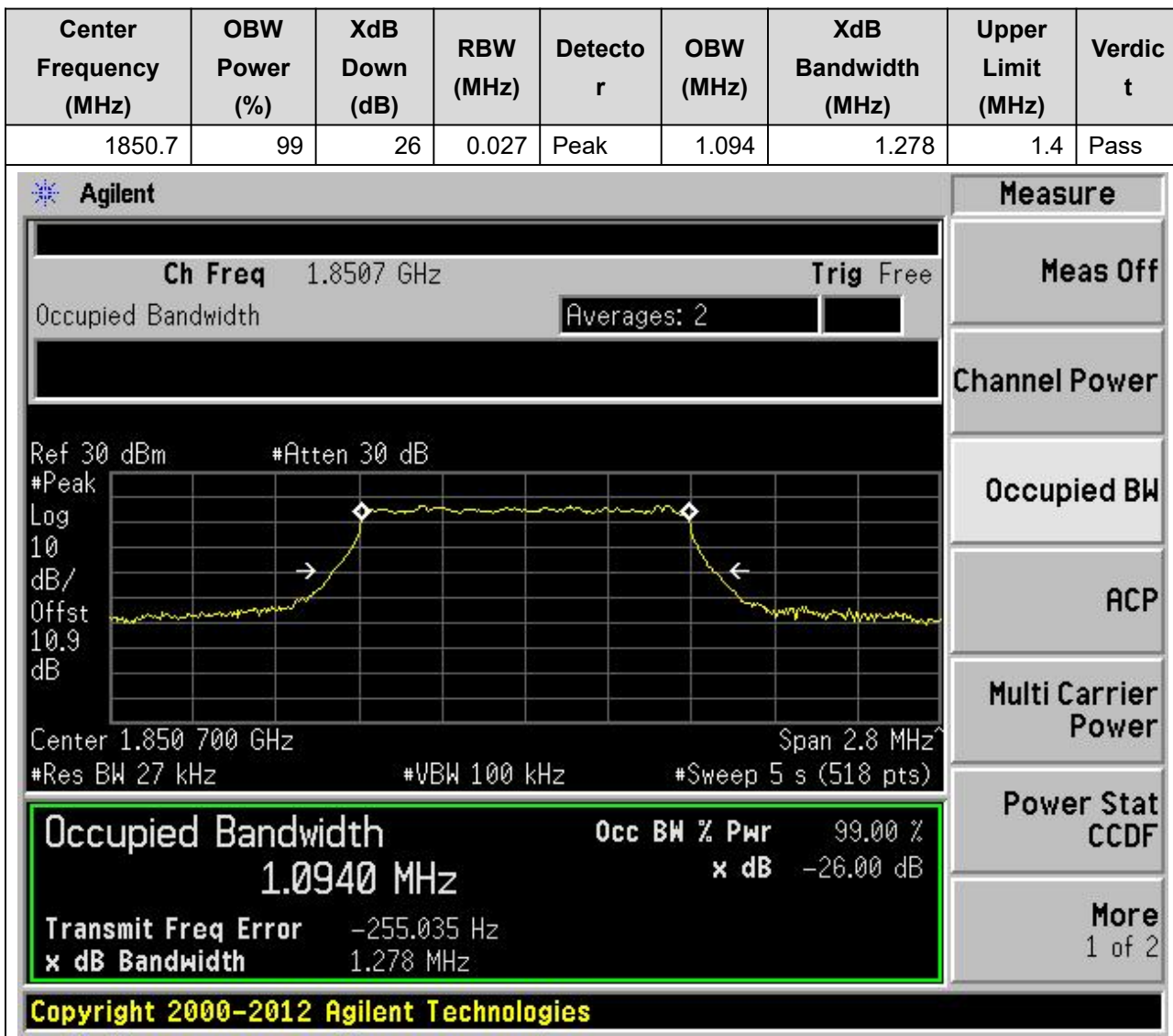
Transmit Freq Error -6.231 kHz

x dB Bandwidth 4.701 MHz

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8. LTE_Band2

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



8.2. 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 | 1.091 | 1.291 | 1.4 | Pass |

Agilent
Measure

Ch Freq 1.8507 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.9

dB

Center 1.850 700 GHz
Span 2.8 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

1.0906 MHz
x dB -26.00 dB

Transmit Freq Error -5.022 Hz

x dB Bandwidth 1.291 MHz

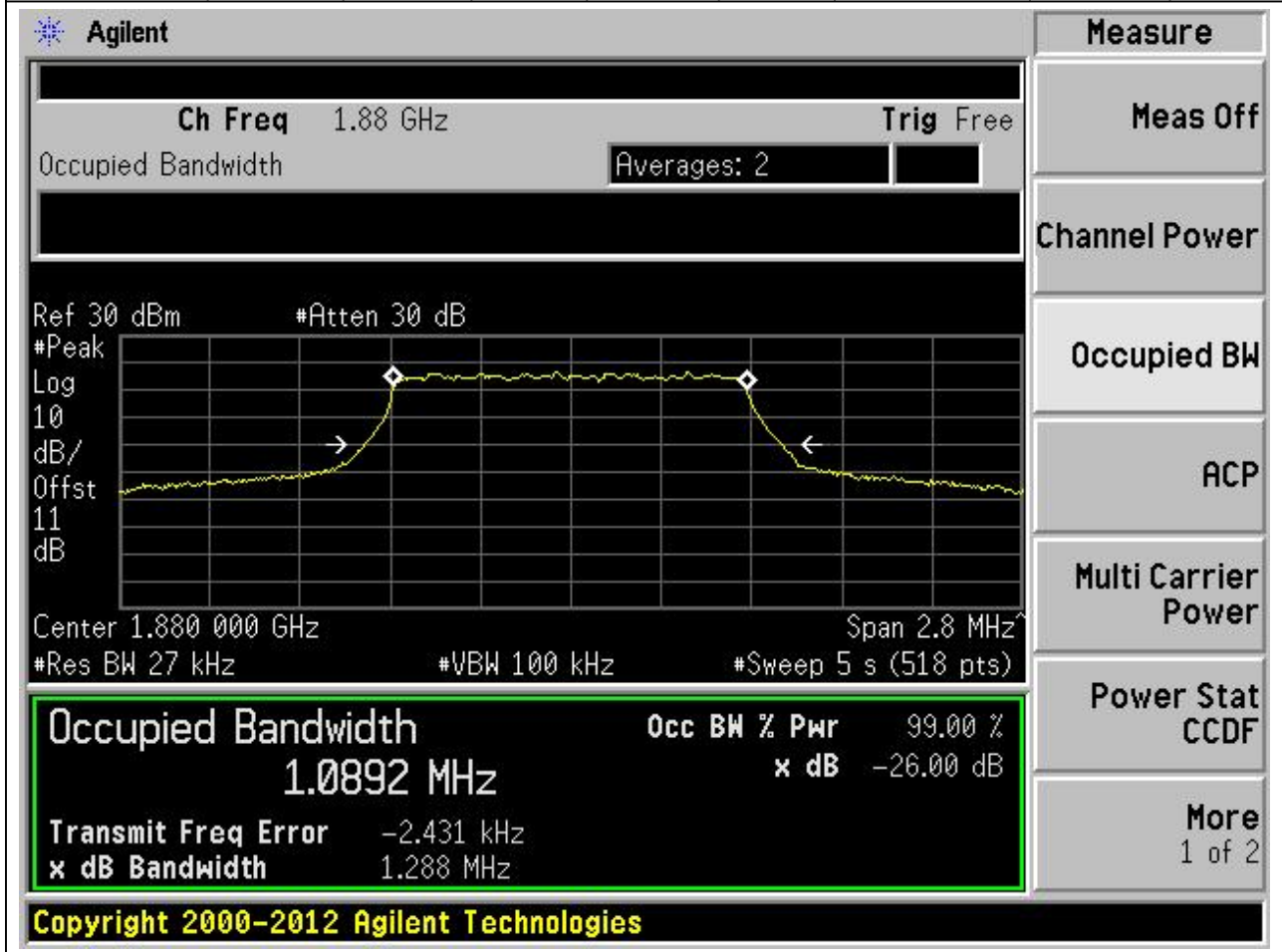
Power Stat CCDF

More
1 of 2

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8.3. 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 | 1.089 | 1.288 | 1.4 | Pass |



8.4. 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 | 1.094 | 1.307 | 1.4 | 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 2.8 MHz. The y-axis is labeled 'Log 10 dB/Offst 11 dB'. The plot shows a signal with a peak at approximately 1.88 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 1.0935 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -2.290 kHz and the 'x dB Bandwidth' is 1.307 MHz. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

8.5. 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 | 1.306 | 1.4 | 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 1.9093 GHz with a span of 2.8 MHz. The y-axis is labeled 'Log 10 dB/Offst 11.1 dB'. The plot shows a signal with a peak at approximately 1.0937 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 1.0937 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 861.360 Hz and the 'x dB Bandwidth' is 1.306 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

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

8.6. 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 | 1.088 | 1.27 | 1.4 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.9093 GHz. The occupied bandwidth is highlighted as 1.0879 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is 316.247 Hz and the XdB bandwidth is 1.270 MHz. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
|---------------------|--------------|-----------|
| 1.0879 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 316.247 Hz | |
| x dB Bandwidth | 1.270 MHz | |

8.7. 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 | 2.696 | 2.955 | 3 | Pass |

Agilent
Measure

Ch Freq 1.8515 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.9

dB

Center 1.851 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6959 MHz
x dB -26.00 dB

Transmit Freq Error -989.509 Hz

x dB Bandwidth 2.955 MHz

Power Stat CCDF

More
1 of 2

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8.8. 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 | 2.693 | 2.936 | 3 | Pass |

Agilent
Measure

Ch Freq 1.8515 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.9

dB

Center 1.851 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6928 MHz
x dB -26.00 dB

Transmit Freq Error -571.179 Hz

x dB Bandwidth 2.936 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

8.9. 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 | 2.699 | 2.941 | 3 | 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
11

dB

Center 1.880 000 GHz
Span 6 MHz

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

Occupied Bandwidth

2.6992 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.730 kHz

x dB Bandwidth 2.941 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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8.10. 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 | 2.697 | 2.968 | 3 | 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
11

dB

Center 1.880 000 GHz
Span 6 MHz

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

| | |
|--------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 2.6969 MHz | x dB -26.00 dB |
| Transmit Freq Error 2.945 kHz | |
| x dB Bandwidth 2.968 MHz | |

Power Stat CCDF
More

1 of 2

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8.11. 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 | 2.701 | 2.953 | 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

11
dB

Center 1.908 500 GHz
Span 6 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 2.7012 MHz | x dB -26.00 dB |
| Transmit Freq Error | -1.603 kHz |
| x dB Bandwidth | 2.953 MHz |

Power Stat

CCDF

More

1 of 2

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8.12. 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 | 2.691 | 2.957 | 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

11

dB

Center 1.908 500 GHz
Span 6 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 2.6913 MHz | x dB -26.00 dB |
| Transmit Freq Error | -430.310 Hz |
| x dB Bandwidth | 2.957 MHz |

Power Stat

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat

CCDF

More

1 of 2

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8.13. 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 | 4.49 | 4.937 | 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 % |
| 4.4899 MHz | x dB -26.00 dB |
| Transmit Freq Error | -3.389 kHz |
| x dB Bandwidth | 4.937 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

8.14. 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 | 4.485 | 4.917 | 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

11
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 % |
| 4.4851 MHz | x dB | -26.00 dB |
| Transmit Freq Error | -591.493 Hz | |
| x dB Bandwidth | 4.917 MHz | |

Power Stat

CCDF

More

1 of 2

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8.15. 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 | 4.508 | 4.989 | 5 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.88 GHz, and the span is 10 MHz. The occupied bandwidth is highlighted as 4.5080 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

| Measurement | Value |
|---------------------|------------|
| Occupied Bandwidth | 4.5080 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | 2.811 kHz |
| x dB Bandwidth | 4.989 MHz |

8.16. 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 | 4.487 | 4.951 | 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
11

dB

Center 1.880 000 GHz
Span 10 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 4.4872 MHz | x dB -26.00 dB |
| Transmit Freq Error | -45.209 Hz |
| x dB Bandwidth | 4.951 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

8.17. 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 | 4.936 | 5 | Pass |

Agilent
Measure

Ch Freq 1.9075 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 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 % |
| 4.4869 MHz | x dB -26.00 dB |
| Transmit Freq Error | -4.298 kHz |
| x dB Bandwidth | 4.936 MHz |

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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: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 | 4.497 | 4.975 | 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
11

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 % |
| 4.4965 MHz | x dB -26.00 dB |
| Transmit Freq Error -815.485 Hz | |
| x dB Bandwidth 4.975 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

8.19. 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 | 8.96 | 9.884 | 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
11

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 % |
| 8.9598 MHz | x dB -26.00 dB |
| Transmit Freq Error 1.877 kHz | |
| x dB Bandwidth 9.884 MHz | |

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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8.20. 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 | 8.959 | 9.735 | 10 | Pass |

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

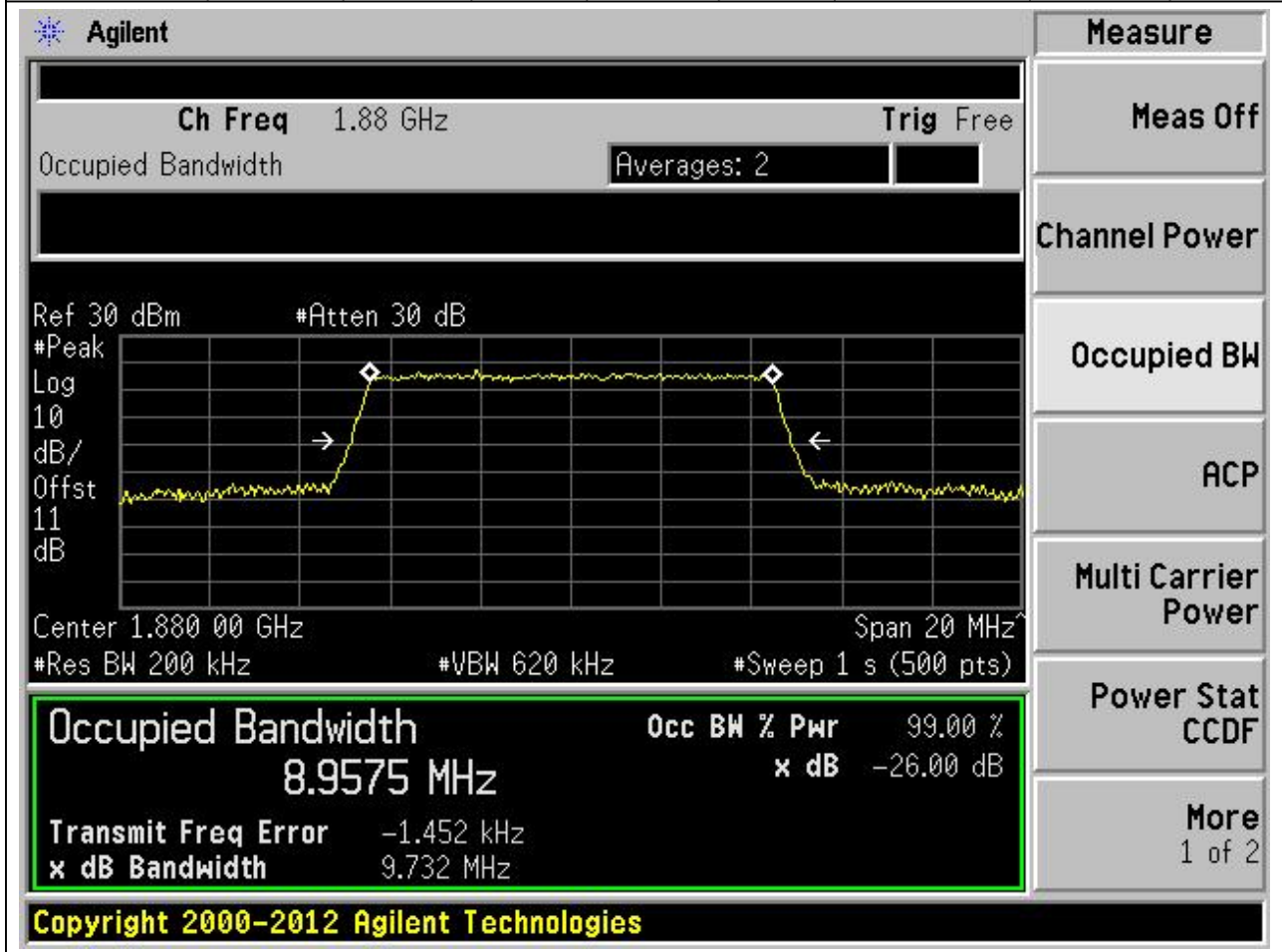
| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 8.9593 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -460.440 Hz |
| x dB Bandwidth | 9.735 MHz |

Other visible parameters include: Ch Freq 1.855 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, #Peak Log, 10 dB/Offst, 11 dB, Center 1.855 00 GHz, Span 20 MHz, #Res BW 200 kHz, #VBW 620 kHz, #Sweep 1 s (500 pts).

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8.21. 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 | 8.957 | 9.732 | 10 | Pass |



8.22. 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 | 8.959 | 9.772 | 10 | 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 11 dB

Center 1.880 00 GHz Span 20 MHz

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

| | | |
|----------------------------|---------------------|-----------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 8.9590 MHz | x dB | -26.00 dB |
| Transmit Freq Error | | 5.962 kHz |
| x dB Bandwidth | | 9.772 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

8.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

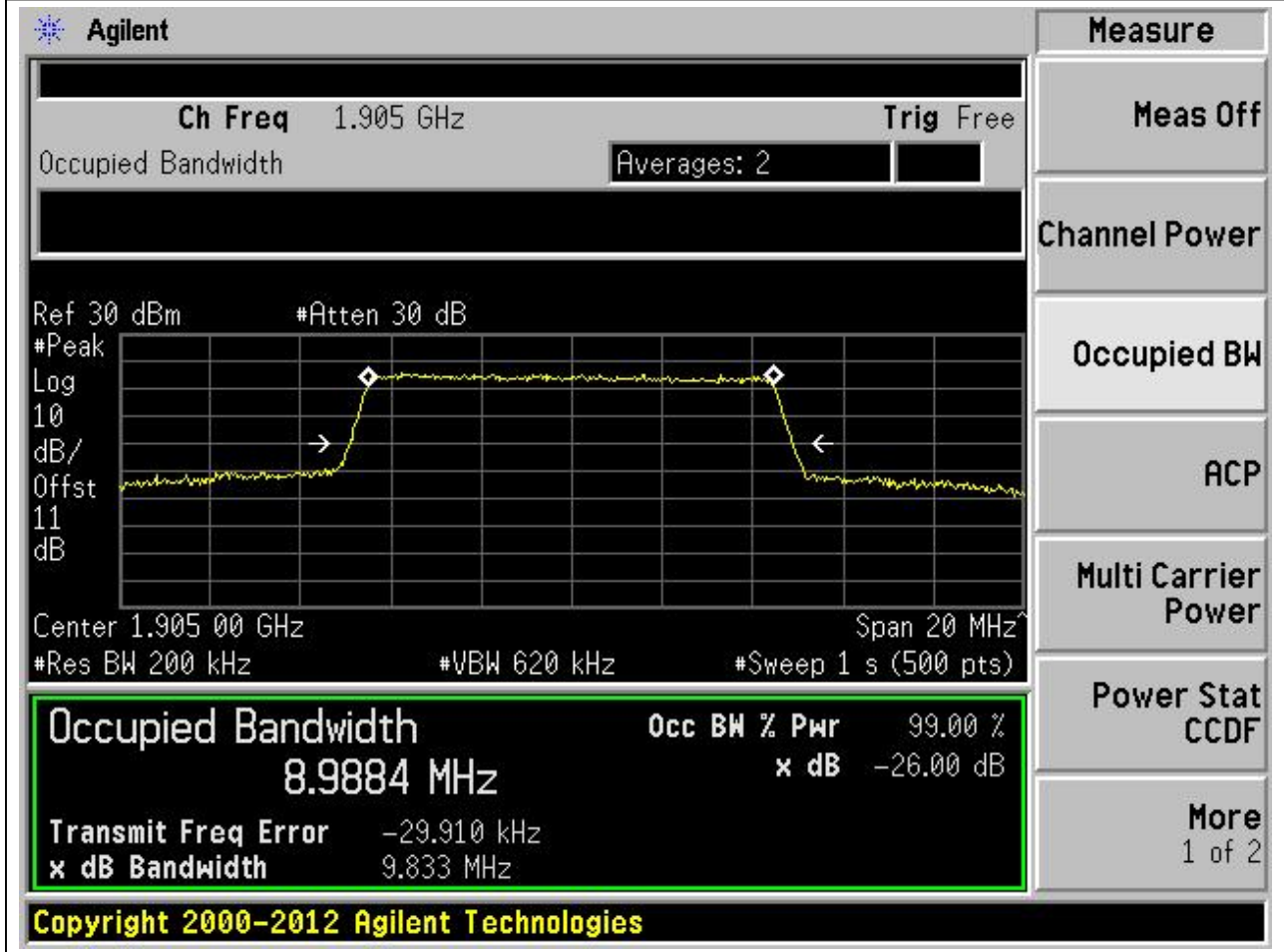
| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1905 | 99 | 26 | 0.2 | Peak | 8.973 | 9.824 | 10 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a signal spectrum with a yellow trace. The center frequency is 1.905 GHz, and the span is 20 MHz. The occupied bandwidth is measured as 8.9733 MHz, which is 99.00% of the channel bandwidth. The XdB down is -26.00 dB. The transmit frequency error is -27.223 kHz. The XdB bandwidth is 9.824 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
|---------------------|--------------|-------------|
| 8.9733 MHz | x dB | -26.00 dB |
| Transmit Freq Error | | -27.223 kHz |
| x dB Bandwidth | | 9.824 MHz |

8.24. 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 | 8.988 | 9.833 | 10 | Pass |



8.25. 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 | 13.45 | 14.808 | 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 11 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 % |
| 13.4500 MHz | x dB -26.00 dB |
| Transmit Freq Error -12.416 kHz | |
| x dB Bandwidth 14.808 MHz | |

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8.26. 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 | 13.464 | 14.662 | 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
11

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 % |
| 13.4639 MHz | x dB -26.00 dB |
| Transmit Freq Error | -1.861 kHz |
| x dB Bandwidth | 14.662 MHz |

Power Stat
CCDF

More
1 of 2

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8.27. 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 | 14.642 | 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 1 s (500 pts)

| | | |
|---------------------------|---------------------|-----------|
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
| 13.4118 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 762.002 Hz | |
| x dB Bandwidth | 14.642 MHz | |

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8.28. 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 | 14.665 | 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 1.88 GHz and a span of 30 MHz. The y-axis is labeled 'Log 10 dB/Offst 11 dB'. The plot shows a signal with a peak at approximately 1.88 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4372 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -2.411 kHz and the 'x dB Bandwidth' is 14.664 MHz. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

| Occupied Bandwidth | Occ BW % Pwr | x dB |
|--------------------|--------------|-----------|
| 13.4372 MHz | 99.00 % | -26.00 dB |

Transmit Freq Error: -2.411 kHz
x dB Bandwidth: 14.664 MHz

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8.29. 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 | 13.42 | 14.676 | 15 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 1.9025 GHz. The occupied bandwidth is highlighted as 13.4200 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -40.758 kHz. The XdB bandwidth is 14.676 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'.

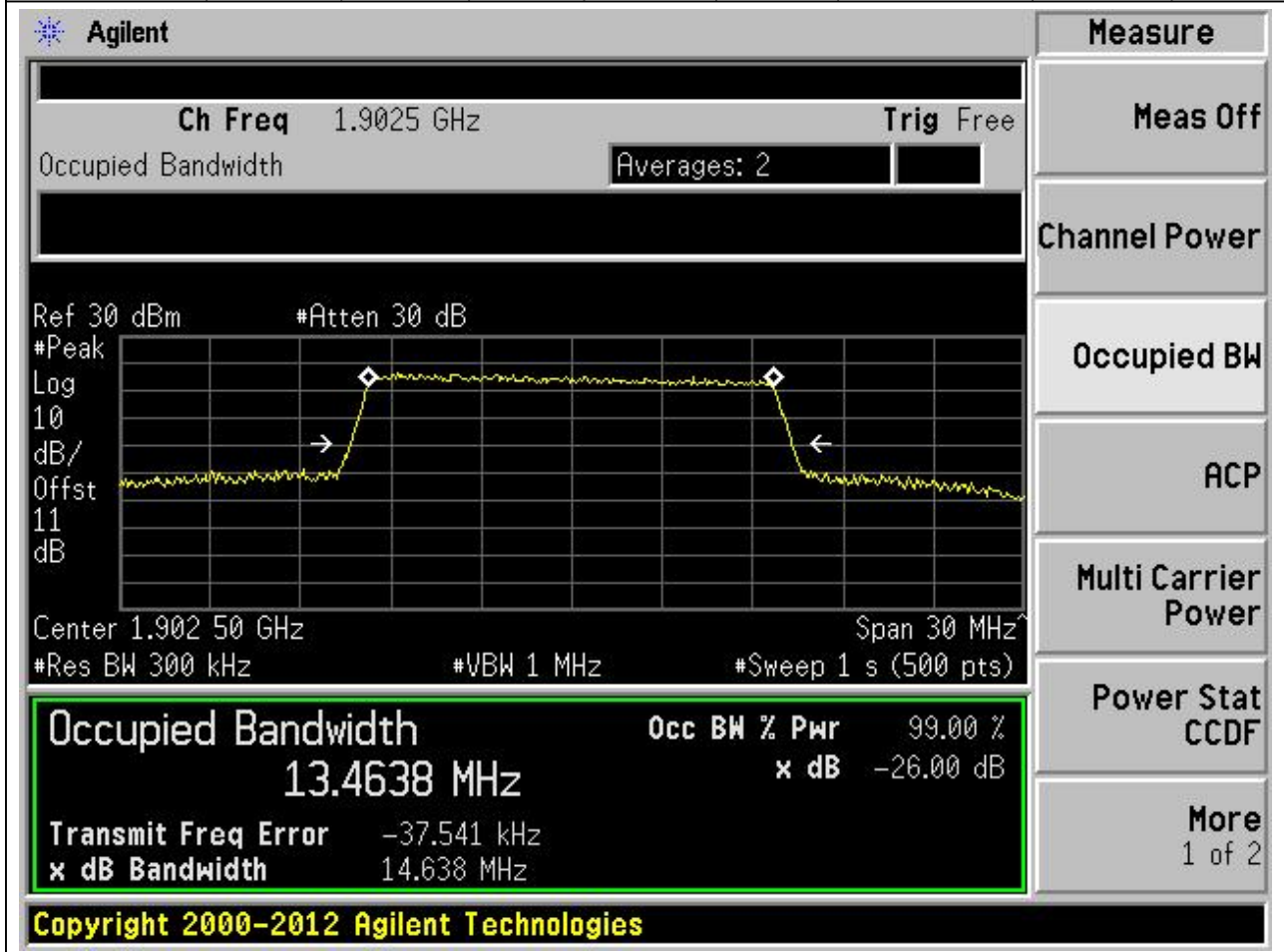
| Occupied Bandwidth | Occ BW % Pwr | x dB |
|--------------------|--------------|-----------|
| 13.4200 MHz | 99.00 % | -26.00 dB |

Transmit Freq Error: -40.758 kHz
x dB Bandwidth: 14.676 MHz

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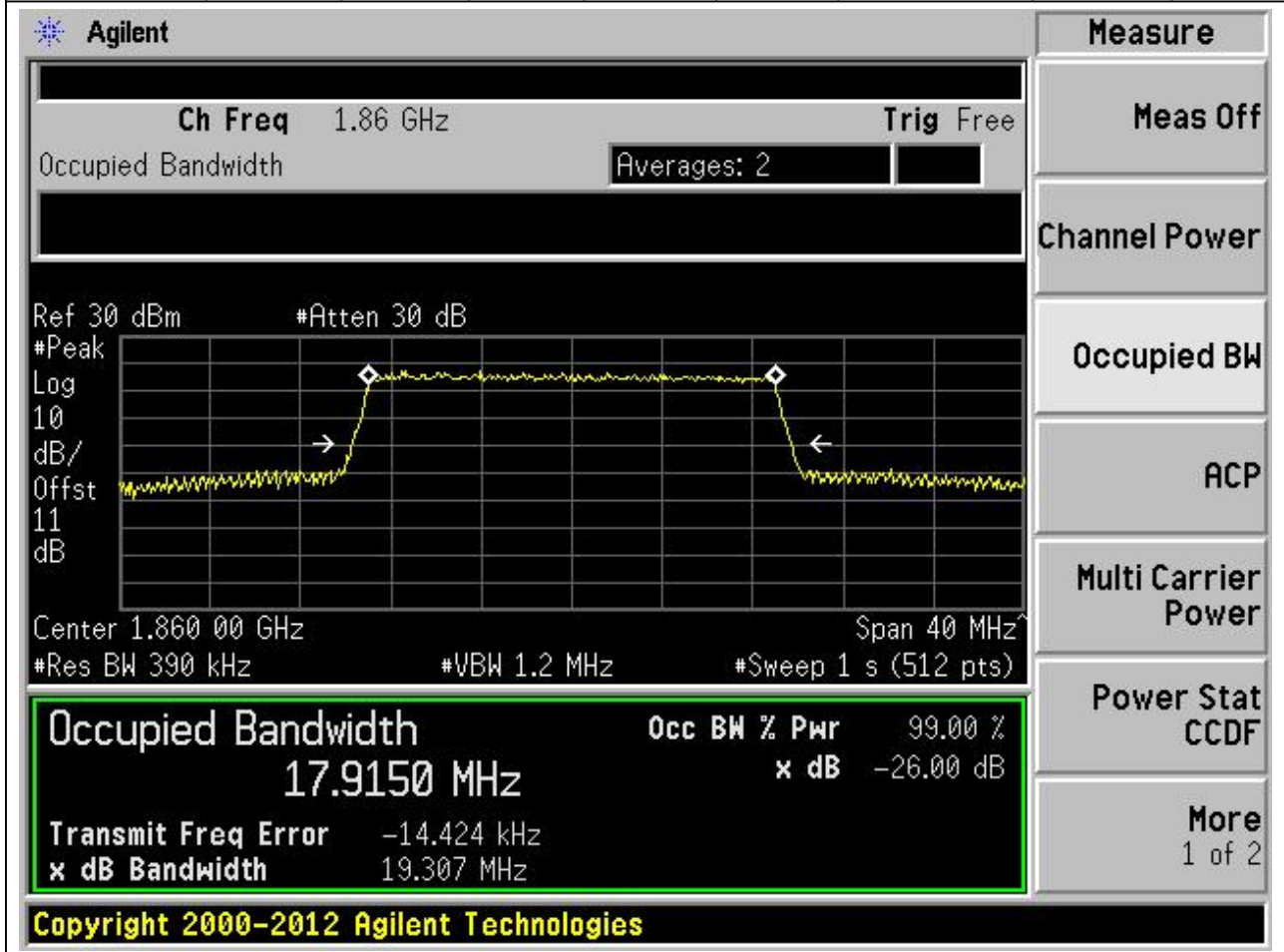
8.30. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:30, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

| 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 | 13.464 | 14.638 | 15 | Pass |



8.31. 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 | 17.915 | 19.307 | 20 | Pass |



8.32. 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 | 17.885 | 19.375 | 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 | 17.8845 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -8.431 kHz |
| x dB Bandwidth | 19.375 MHz |

Other parameters shown in the interface include: Ch Freq 1.86 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, Center 1.860 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 1 s (512 pts).

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8.33. 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 | 17.92 | 19.384 | 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
11

dB

Center 1.880 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 %

17.9197 MHz
x dB -26.00 dB

Transmit Freq Error 22.201 kHz

x dB Bandwidth 19.384 MHz

Power Stat CCDF

More
1 of 2

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8.34. 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 | 17.928 | 19.575 | 20 | Pass |

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

| Measurement | Value |
|---------------------|-------------|
| Occupied Bandwidth | 17.9283 MHz |
| Occ BW % Pwr | 99.00 % |
| x dB | -26.00 dB |
| Transmit Freq Error | -444.123 Hz |
| x dB Bandwidth | 19.575 MHz |

Other visible parameters include: Ch Freq 1.88 GHz, Trig Free, Averages: 2, Ref 30 dBm, #Atten 30 dB, Center 1.880 00 GHz, Span 40 MHz, #Res BW 390 kHz, #VBW 1.2 MHz, #Sweep 1 s (512 pts).

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8.35. 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 | 17.91 | 19.517 | 20 | Pass |

Agilent
Measure

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 1 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

17.9095 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -52.368 kHz

x dB Bandwidth 19.517 MHz

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8.36. 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 | 17.883 | 19.353 | 20 | 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 1.9 GHz and a span of 40 MHz. The y-axis is labeled 'Log 10 dB/Offst 11 dB'. The plot shows a signal with a peak at approximately 1.9 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.8830 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is -32.192 kHz and the 'x dB Bandwidth' is 19.353 MHz. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

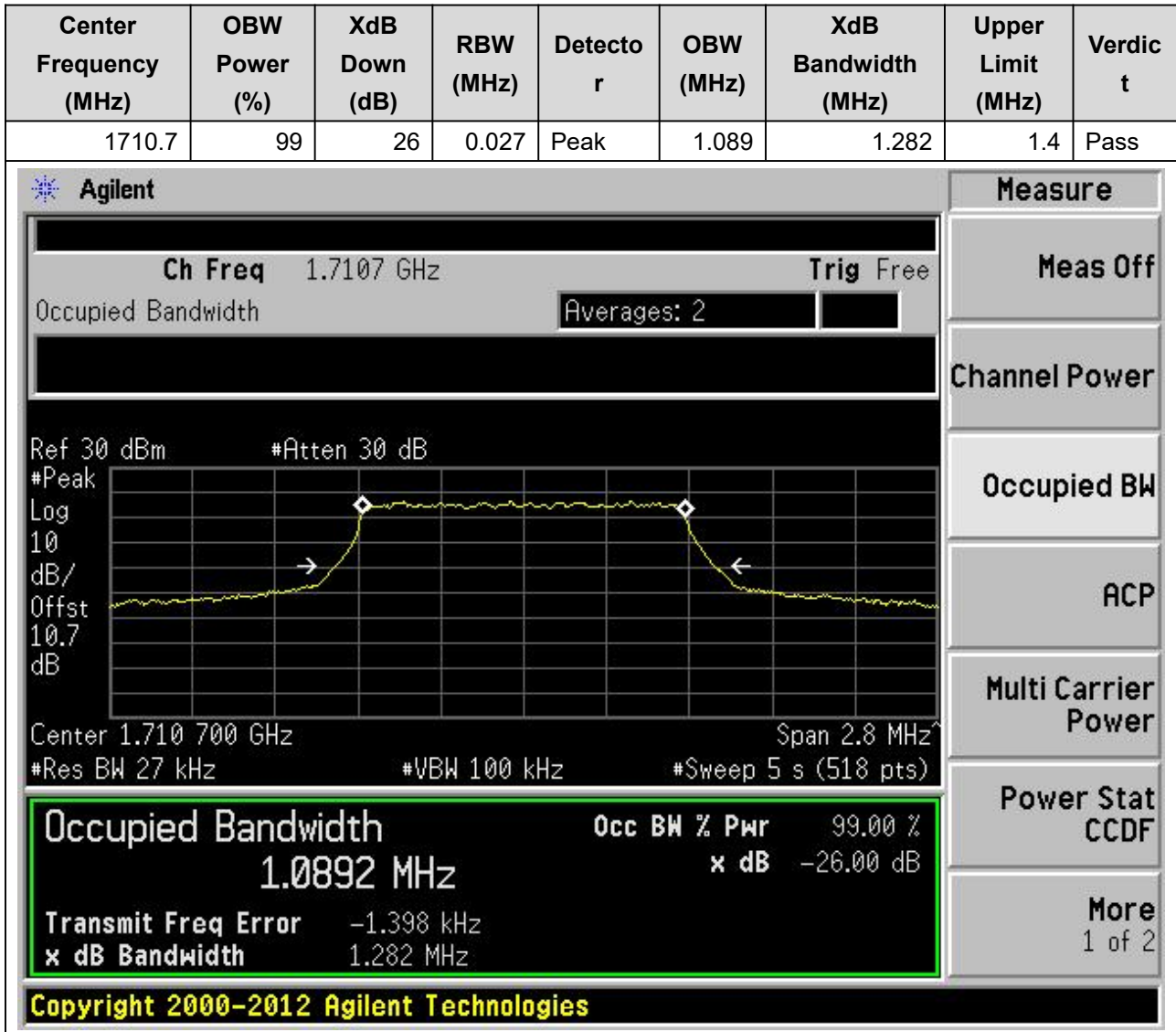
| Occupied Bandwidth | Occ BW % Pwr | x dB |
|--------------------|--------------|-----------|
| 17.8830 MHz | 99.00 % | -26.00 dB |

Transmit Freq Error: -32.192 kHz
x dB Bandwidth: 19.353 MHz

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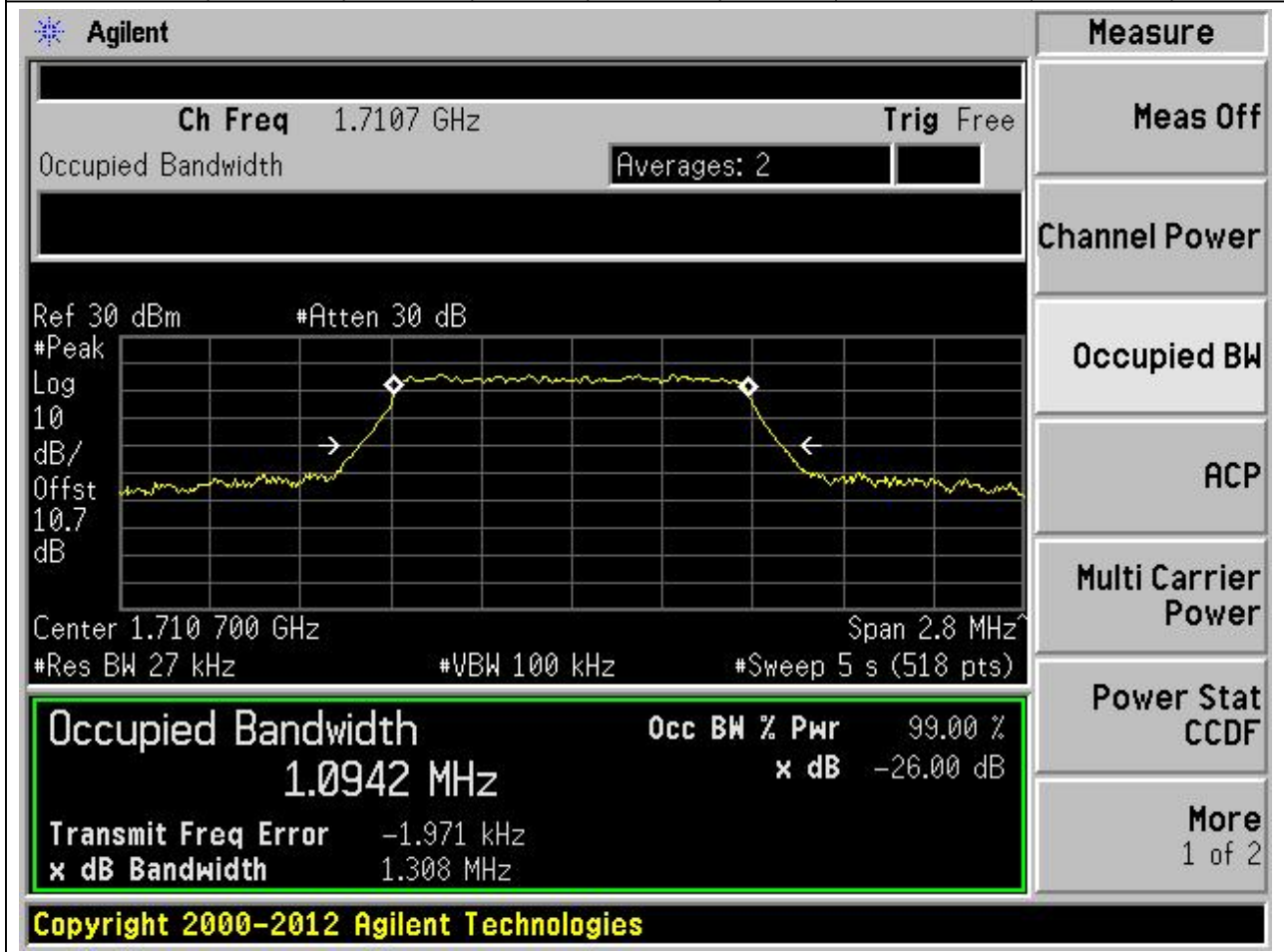
9. LTE_Band4

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



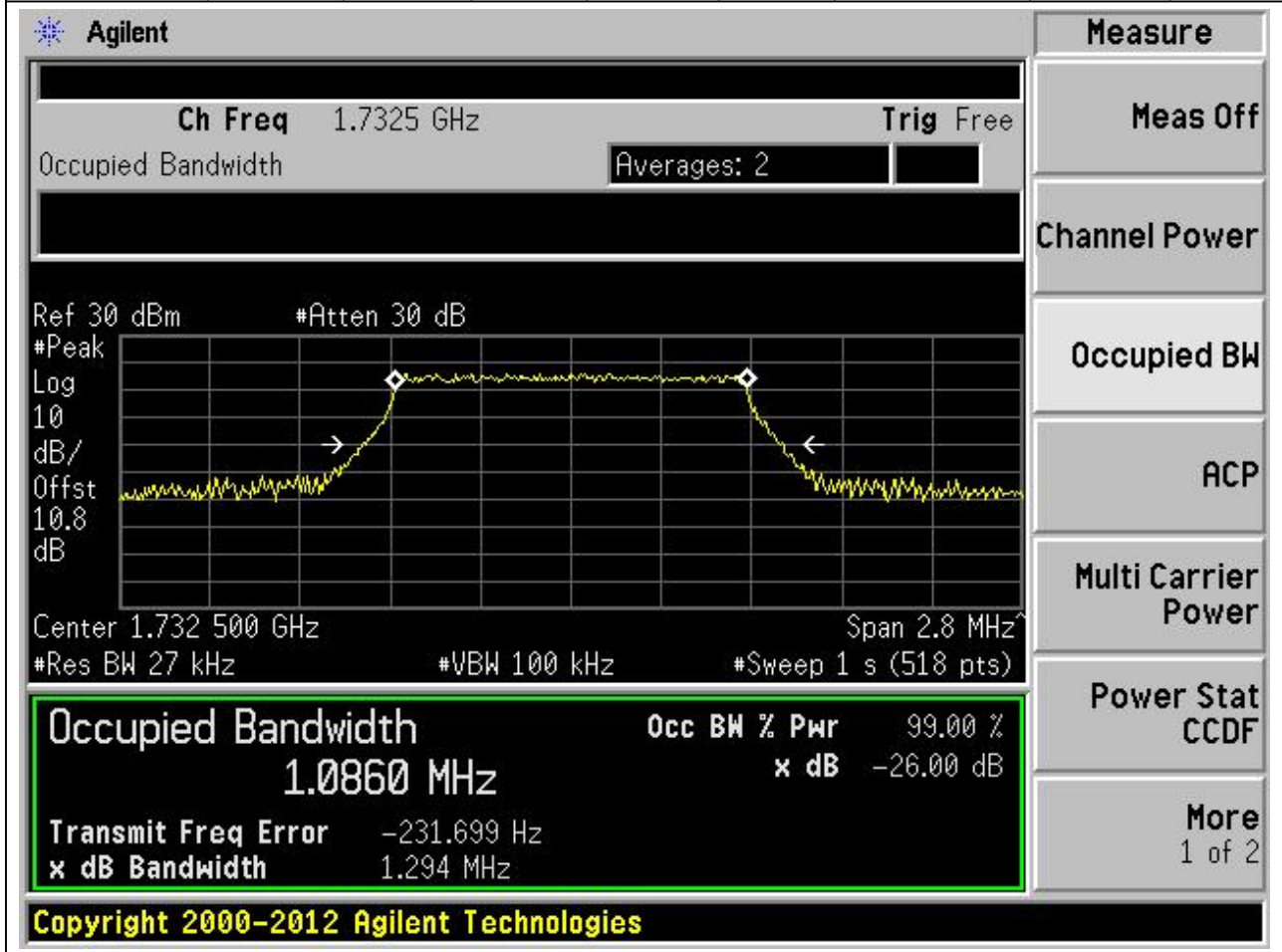
9.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:19957, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

| 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 | 1.094 | 1.308 | 1.4 | Pass |



9.3. 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 | 1.086 | 1.294 | 1.4 | Pass |



9.4. 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 | 1.086 | 1.274 | 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
10.8

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 %

1.0864 MHz
x dB -26.00 dB

Transmit Freq Error 733.427 Hz

x dB Bandwidth 1.274 MHz

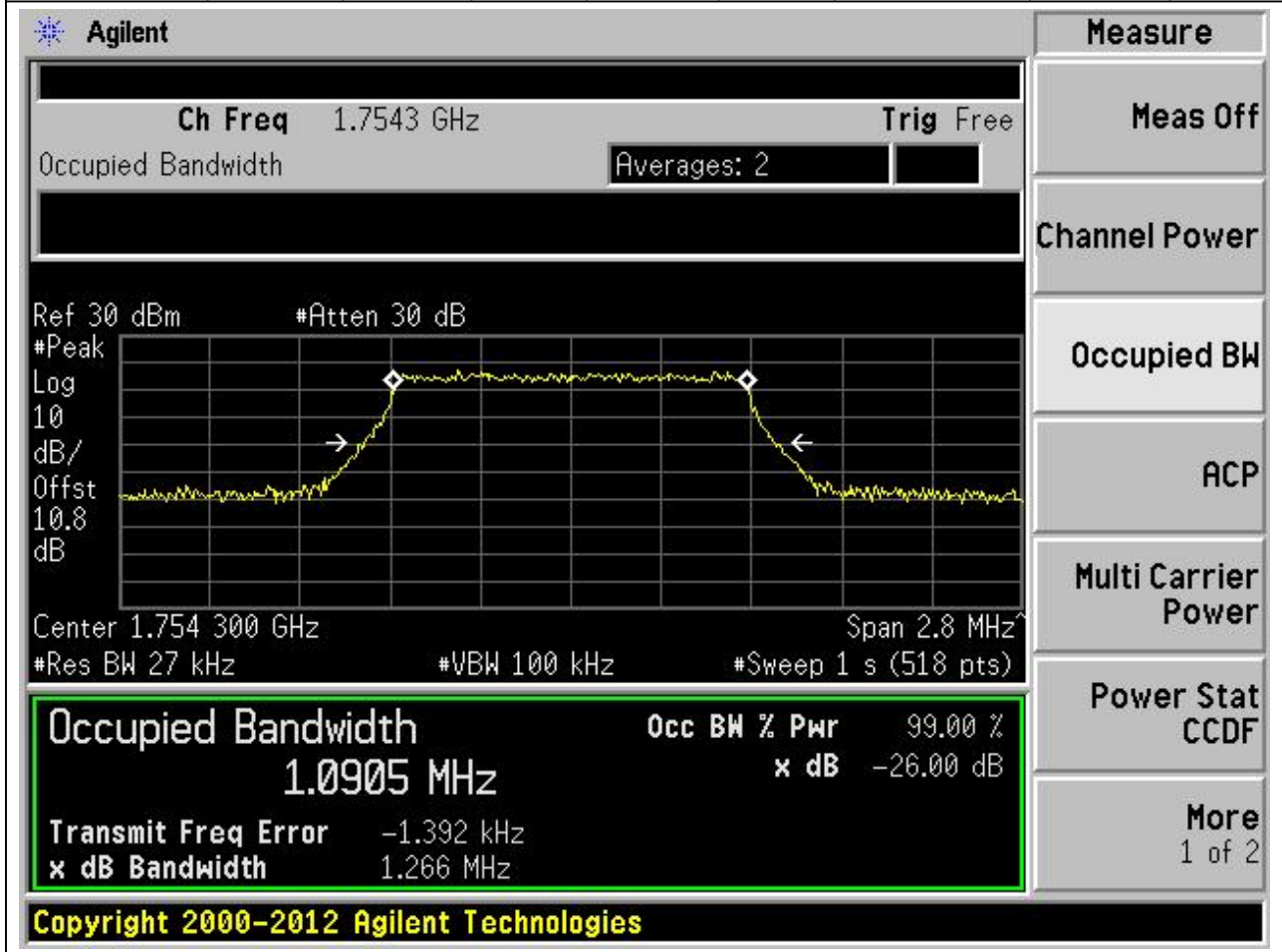
Power Stat CCDF

More
1 of 2

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9.5. 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 | 1.09 | 1.266 | 1.4 | Pass |



9.6. 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 | 1.287 | 1.4 | Pass |

Agilent

Measure

Ch Freq 1.7543 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.754 300 GHz
Span 2.8 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 1.0906 MHz | x dB -26.00 dB |
| Transmit Freq Error | -159.549 Hz |
| x dB Bandwidth | 1.287 MHz |

Power Stat
CCDF

More
1 of 2

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9.7. 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 | 2.694 | 2.953 | 3 | Pass |

Agilent
Measure

Ch Freq 1.7115 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.711 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6938 MHz
x dB -26.00 dB

Transmit Freq Error
-280.839 Hz

x dB Bandwidth
2.953 MHz

Power Stat
CCDF

More
1 of 2

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9.8. 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 | 2.705 | 2.969 | 3 | Pass |

Agilent
Measure

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 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 %

2.7053 MHz x dB -26.00 dB

Transmit Freq Error 4.128 kHz

x dB Bandwidth 2.969 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

9.9. 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 | 2.697 | 2.942 | 3 | Pass |

Agilent
Measure

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.732 500 GHz
Span 6 MHz

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

Occupied Bandwidth

2.6973 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.841 kHz

x dB Bandwidth 2.942 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

9.10. 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 | 2.697 | 2.964 | 3 | Pass |

Agilent
Measure

Ch Freq 1.7325 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.732 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6973 MHz
x dB -26.00 dB

Transmit Freq Error 282.540 Hz

x dB Bandwidth 2.964 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

9.11. 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 | 2.702 | 2.963 | 3 | Pass |

Agilent
Measure

Ch Freq 1.7535 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

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 % |
| 2.7023 MHz | x dB -26.00 dB |
| Transmit Freq Error | -2.588 kHz |
| x dB Bandwidth | 2.963 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

9.12. 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 | 2.696 | 2.957 | 3 | Pass |

Agilent
Measure

Ch Freq 1.7535 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

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 %

2.6965 MHz
x dB -26.00 dB

Transmit Freq Error -2.097 kHz

x dB Bandwidth 2.957 MHz

Power Stat CCDF

More

1 of 2

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9.13. 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 | 4.49 | 4.982 | 5 | Pass |

Agilent

Measure

Ch Freq 1.7125 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.712 500 GHz Span 10 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 4.4904 MHz | x dB -26.00 dB |
| Transmit Freq Error | -2.396 kHz |
| x dB Bandwidth | 4.982 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: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 | 4.95 | 5 | Pass |

Agilent
Measure

Ch Freq 1.7125 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.712 500 GHz
Span 10 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

4.4855 MHz
x dB -26.00 dB

Transmit Freq Error 1.100 kHz

x dB Bandwidth 4.950 MHz

Power Stat CCDF

More

1 of 2

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9.15. 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 | 4.487 | 4.994 | 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 10.8 dB

Center 1.732 500 GHz Span 10 MHz

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

| | |
|---------------------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 4.4875 MHz | x dB -26.00 dB |
| Transmit Freq Error -1.976 kHz | |
| x dB Bandwidth 4.994 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

9.16. 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 | 4.5 | 4.975 | 5 | Pass |

Agilent

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

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.732 500 GHz Span 10 MHz

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

| | |
|--|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 4.5002 MHz | x dB -26.00 dB |
| Transmit Freq Error -111.393 Hz | |
| x dB Bandwidth 4.975 MHz | |

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9.17. 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 | 4.926 | 5 | Pass |

Agilent
Measure

Ch Freq 1.7525 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.752 500 GHz
Span 10 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

4.4861 MHz
x dB -26.00 dB

Transmit Freq Error -3.150 kHz

x dB Bandwidth 4.926 MHz

Power Stat CCDF

More

1 of 2

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9.18. 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 | 4.496 | 4.965 | 5 | Pass |

Agilent
Measure

Ch Freq 1.7525 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.752 500 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 1.141 kHz | |
| x dB Bandwidth 4.965 MHz | |

Power Stat CCDF
More

1 of 2

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9.19. 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 | 9.886 | 10 | Pass |

Agilent
Measure

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 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 % |
| 8.9707 MHz | x dB -26.00 dB |
| Transmit Freq Error 13.887 kHz | |
| x dB Bandwidth 9.886 MHz | |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

9.20. 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 | 8.953 | 9.717 | 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 10.7 dB

Center 1.715 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9529 MHz x dB -26.00 dB

Transmit Freq Error 8.025 kHz

x dB Bandwidth 9.717 MHz

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9.21. 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 | 8.955 | 9.748 | 10 | Pass |

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace representing the signal. The plot is centered at 1.7325 GHz with a span of 20 MHz. The vertical axis is labeled 'Log 10 dB/Offst 10.8 dB'. The horizontal axis is labeled 'Center 1.732 50 GHz' and 'Span 20 MHz'. The plot shows a signal with a peak at approximately 1.7325 GHz. The signal is bounded by two vertical lines, and the area between them is highlighted in green. The text 'Occupied Bandwidth' is displayed above the plot. The 'Meas Off' button is visible on the right side of the interface. The 'Measure' menu is open, showing options for 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The 'Occupied BW' option is selected. The results are displayed in a table at the bottom of the screen:

| Occupied Bandwidth | Occ BW % Pwr | 99.00 % |
|---------------------|--------------|-----------|
| 8.9548 MHz | x dB | -26.00 dB |
| Transmit Freq Error | 2.025 kHz | |
| x dB Bandwidth | 9.748 MHz | |

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9.22. 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 | 9.797 | 10 | Pass |

Agilent
Measure

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.732 50 GHz Span 20 MHz

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

| | |
|----------------------------|-----------------------------|
| Occupied Bandwidth | Occ BW % Pwr 99.00 % |
| 8.9625 MHz | x dB -26.00 dB |
| Transmit Freq Error | -7.882 kHz |
| x dB Bandwidth | 9.797 MHz |

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2