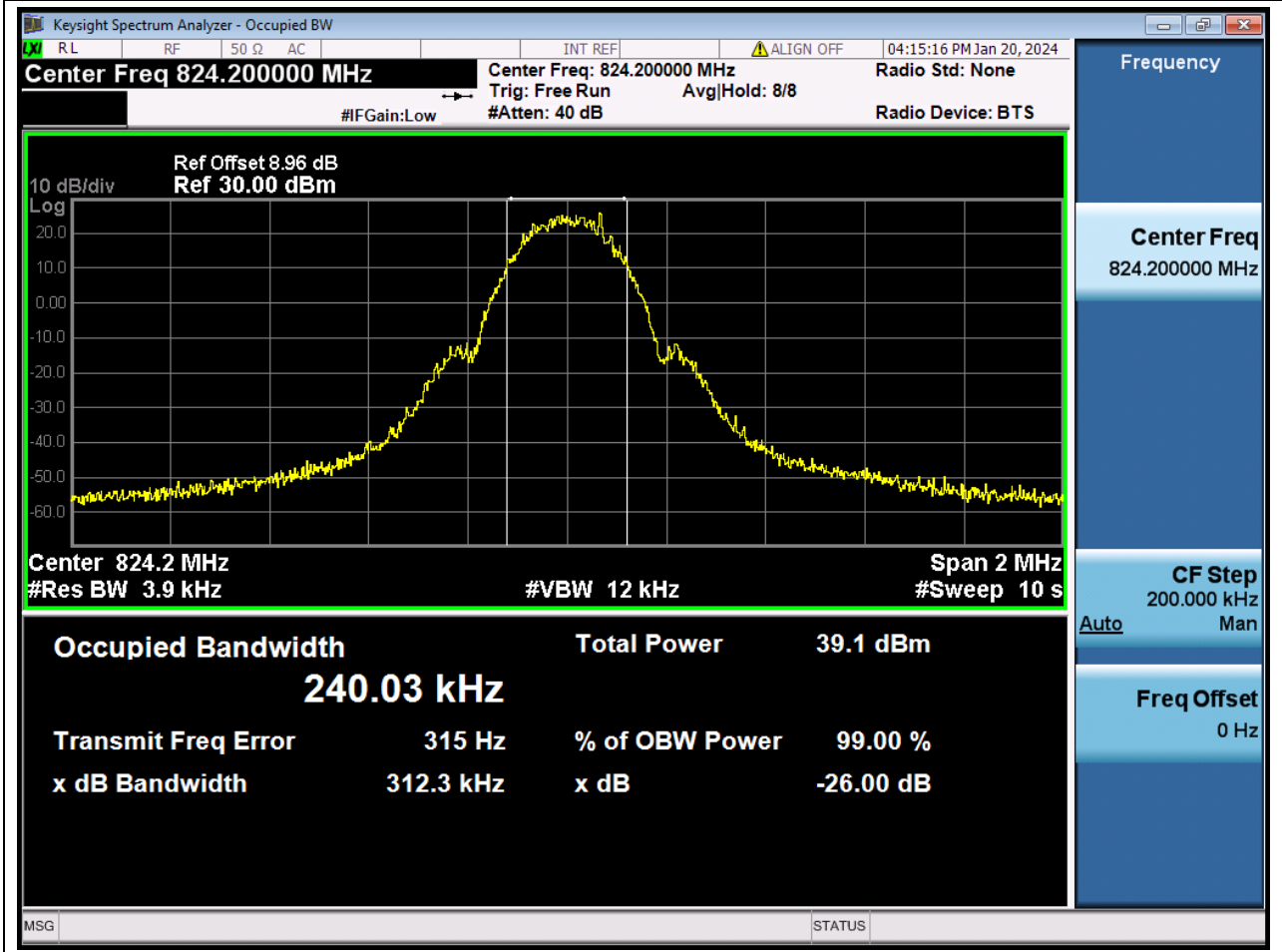


Annex A. Occupied Bandwidth

1. GSM_GSM850

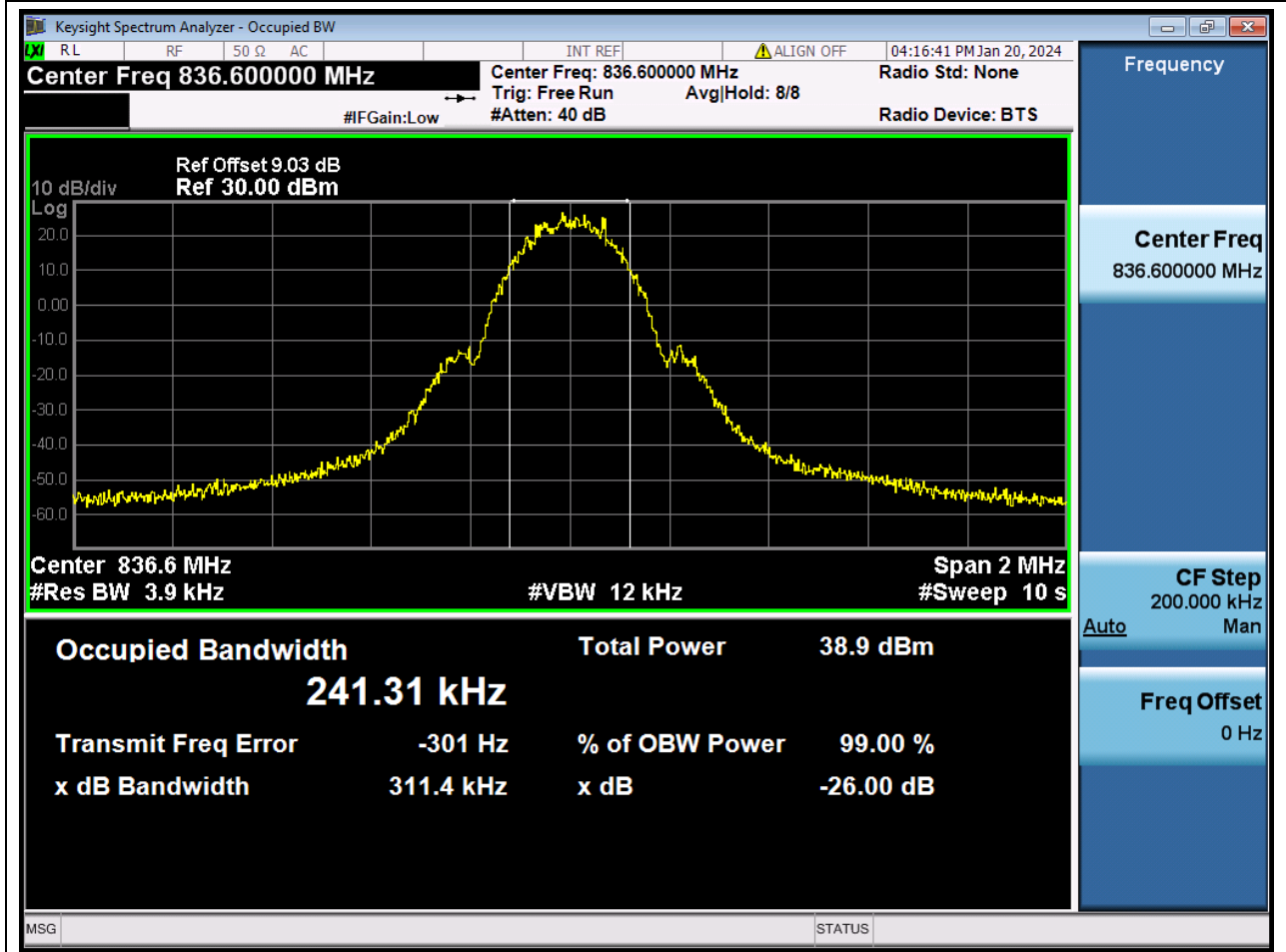
1.1. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:128)

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	0.24	0.312	0.3	Pass



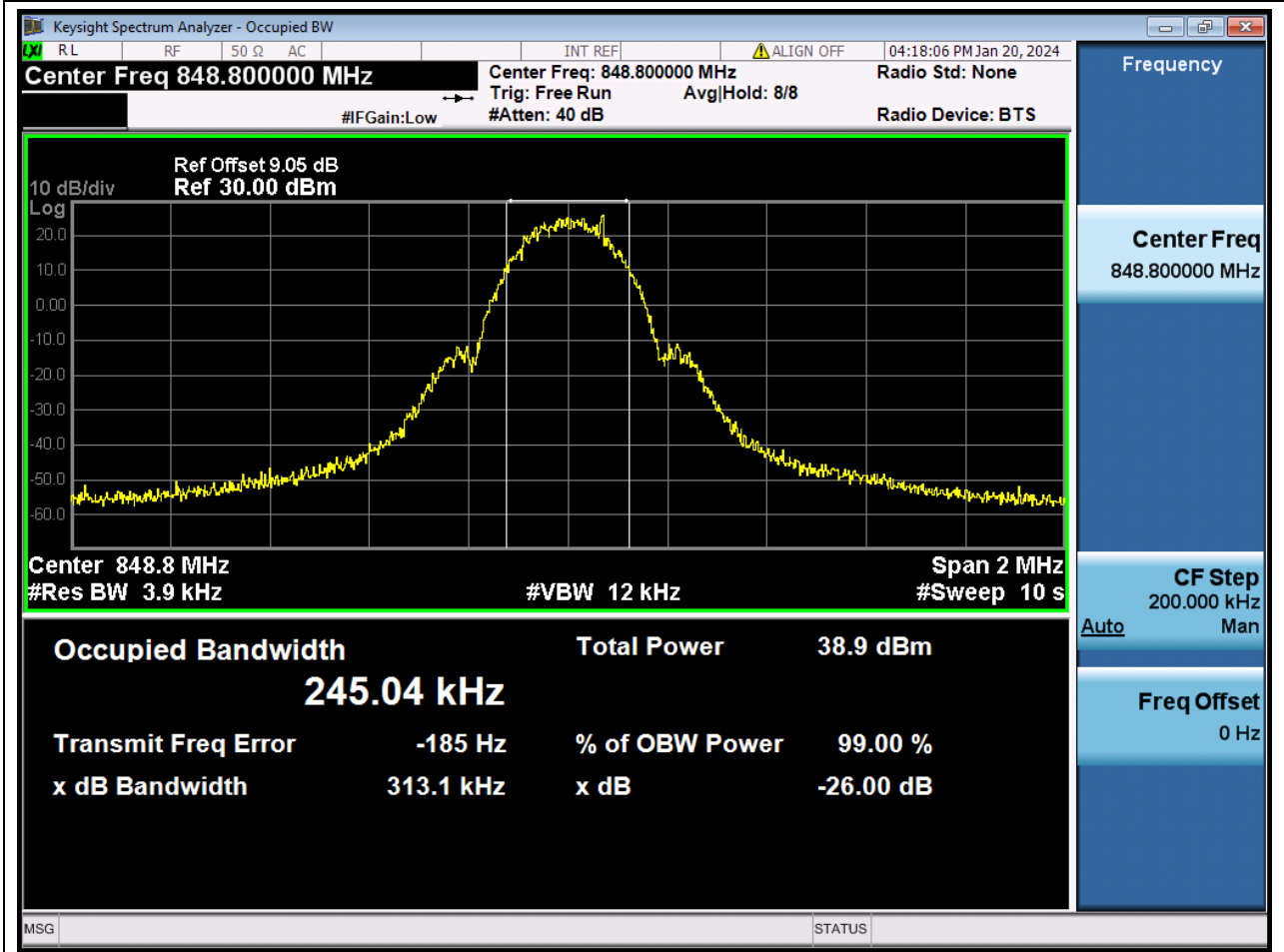
1.2. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:190)

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	0.241	0.311	0.3	Pass



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

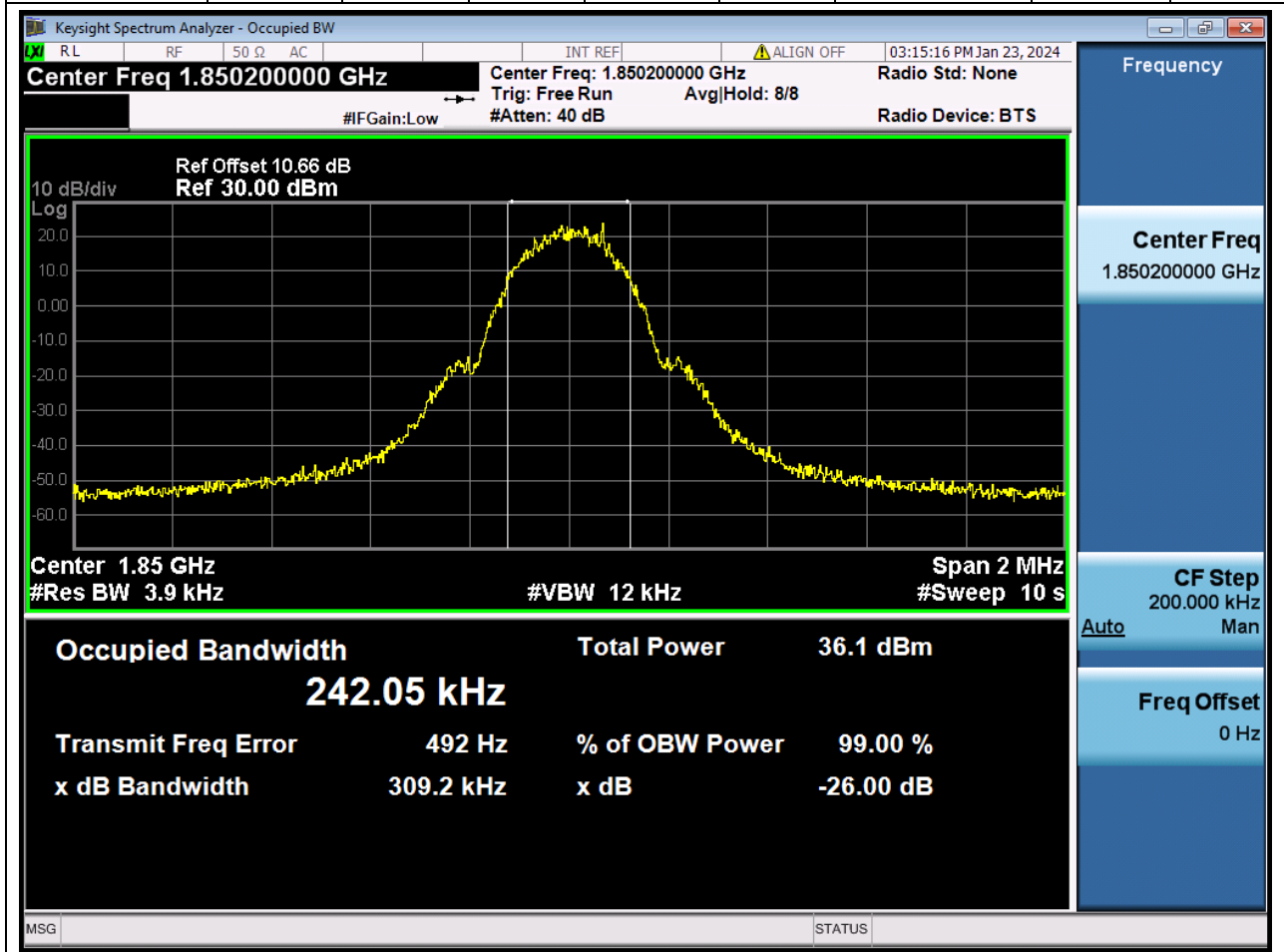
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.245	0.313	0.3	Pass



2. GSM_PCS

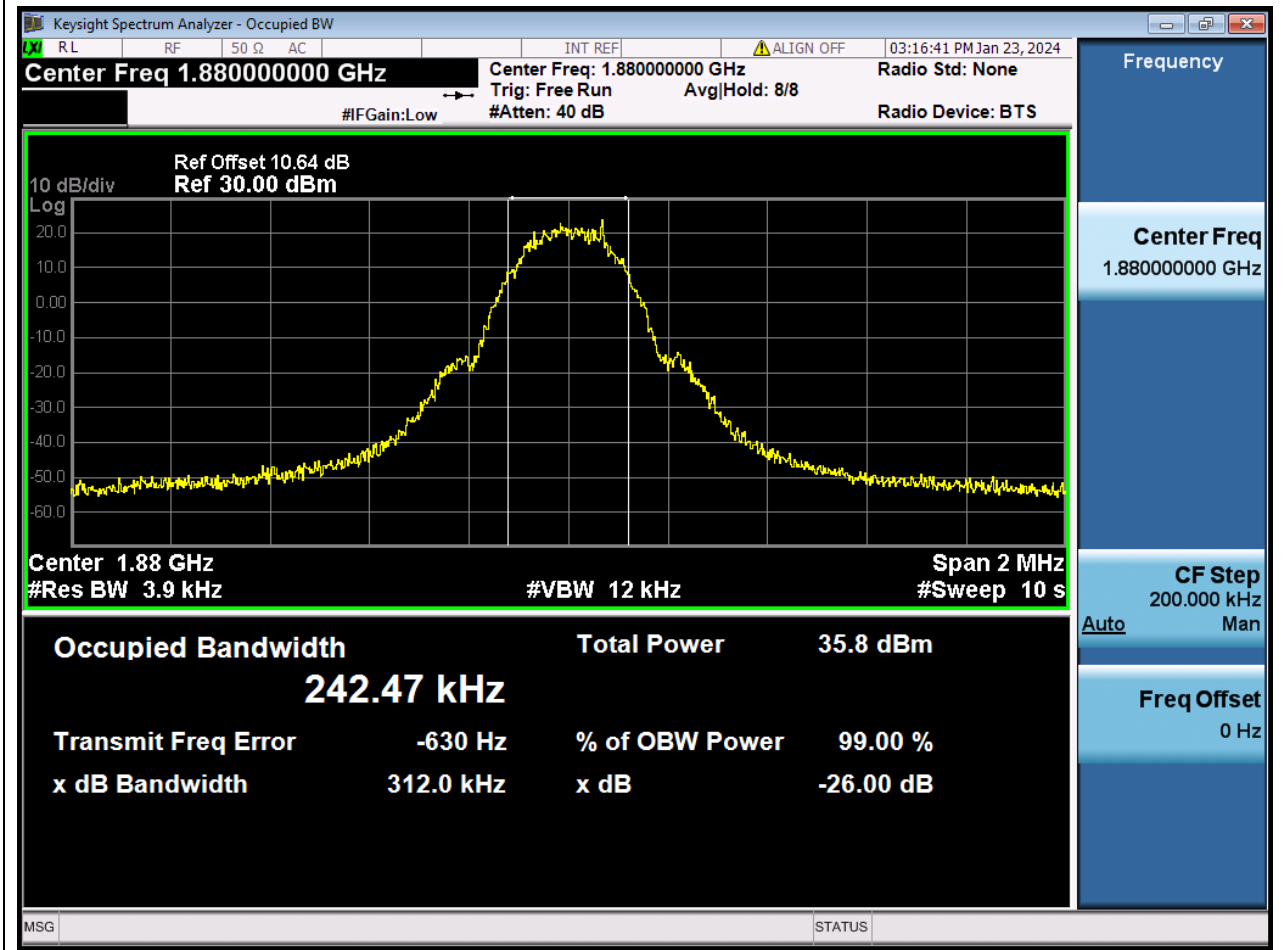
2.1. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:512)

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



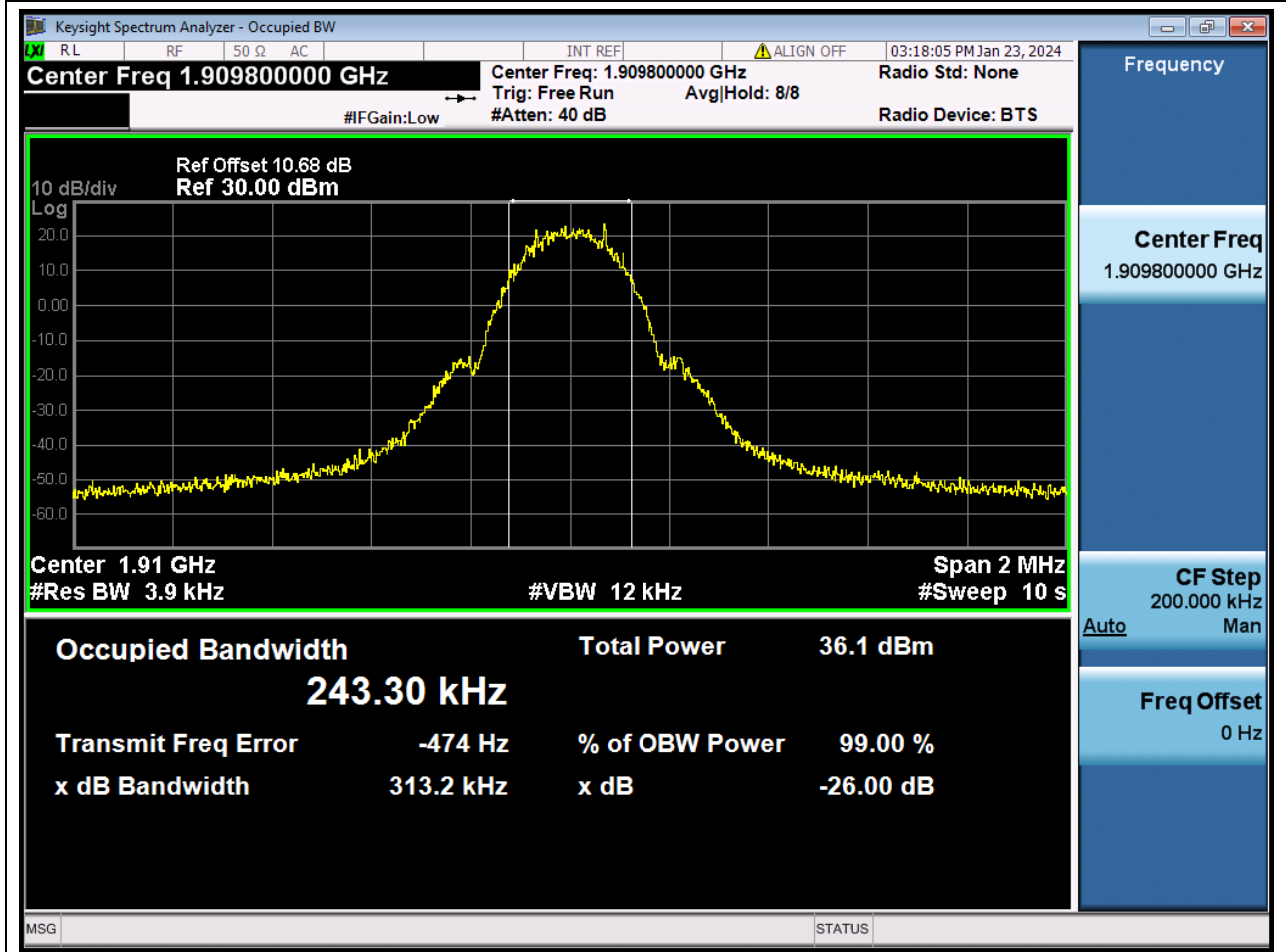
2.2. GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:661)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.242	0.312	0.3	Pass



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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.243	0.313	0.3	Pass



3. EGPRS_GSM850

3.1. EGPRS 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	0.242	0.309	0.3	Pass



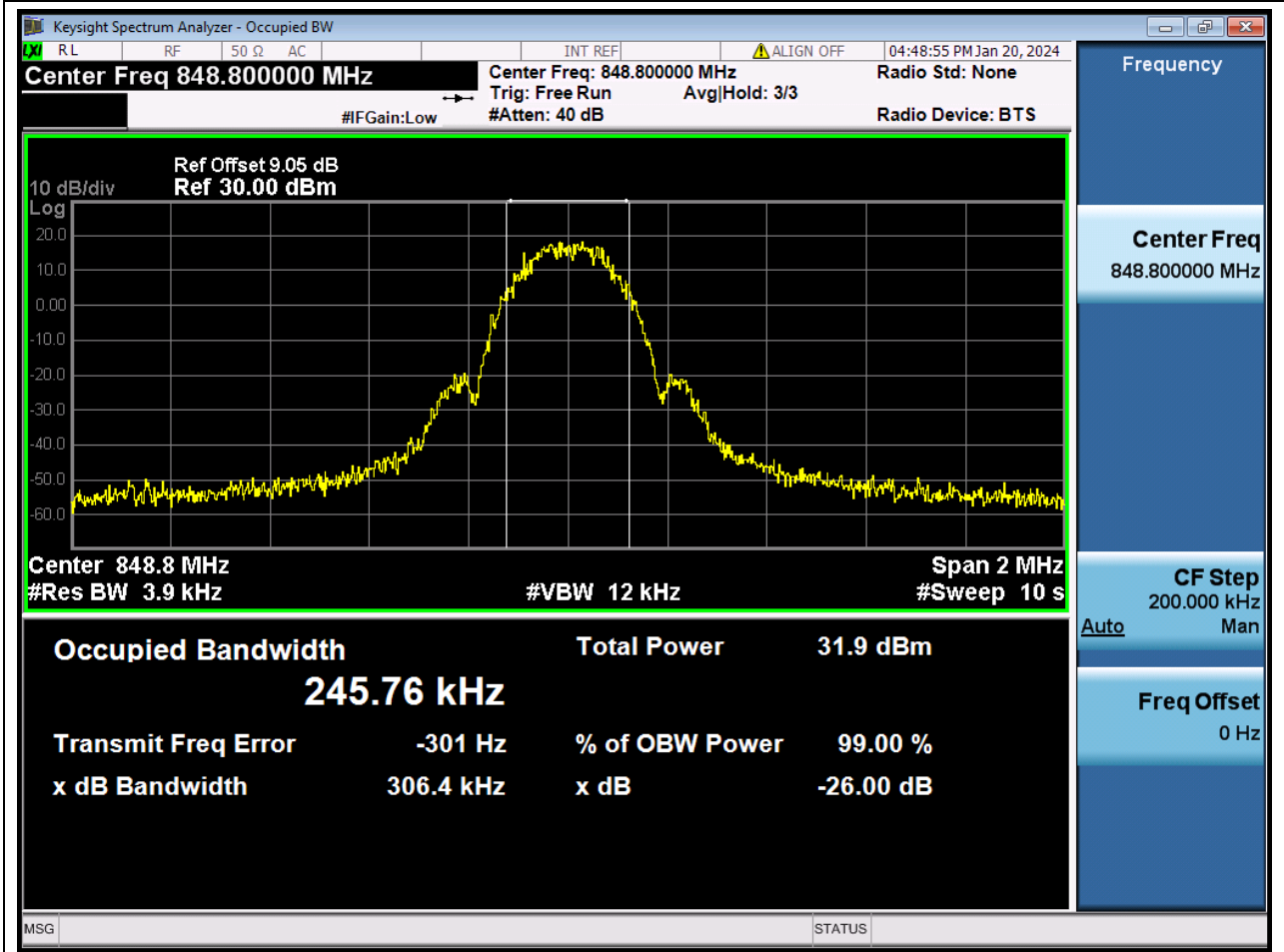
3.2. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:190)

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	0.244	0.309	0.3	Pass



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

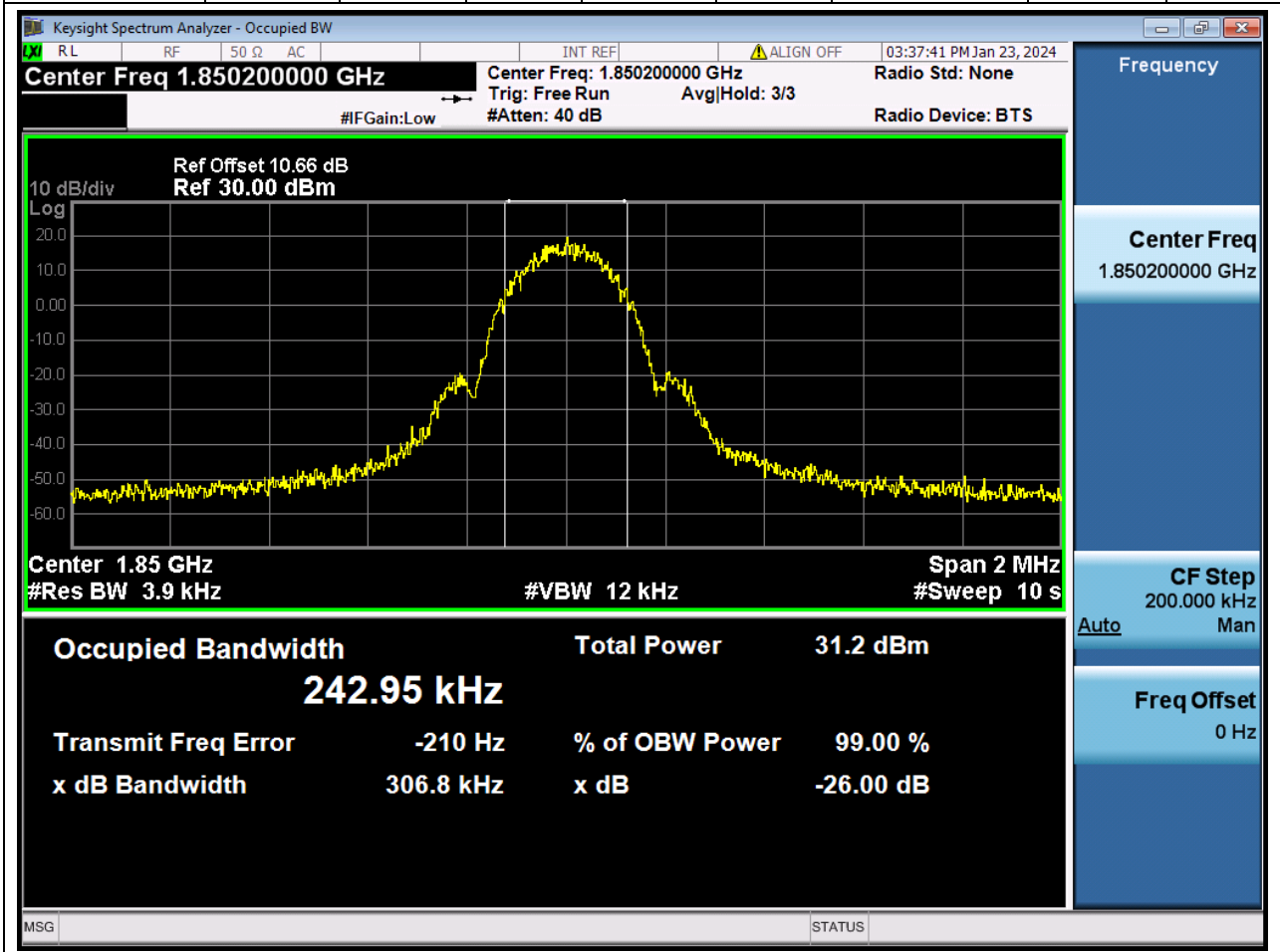
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.246	0.306	0.3	Pass



4. EGPRS_PCS

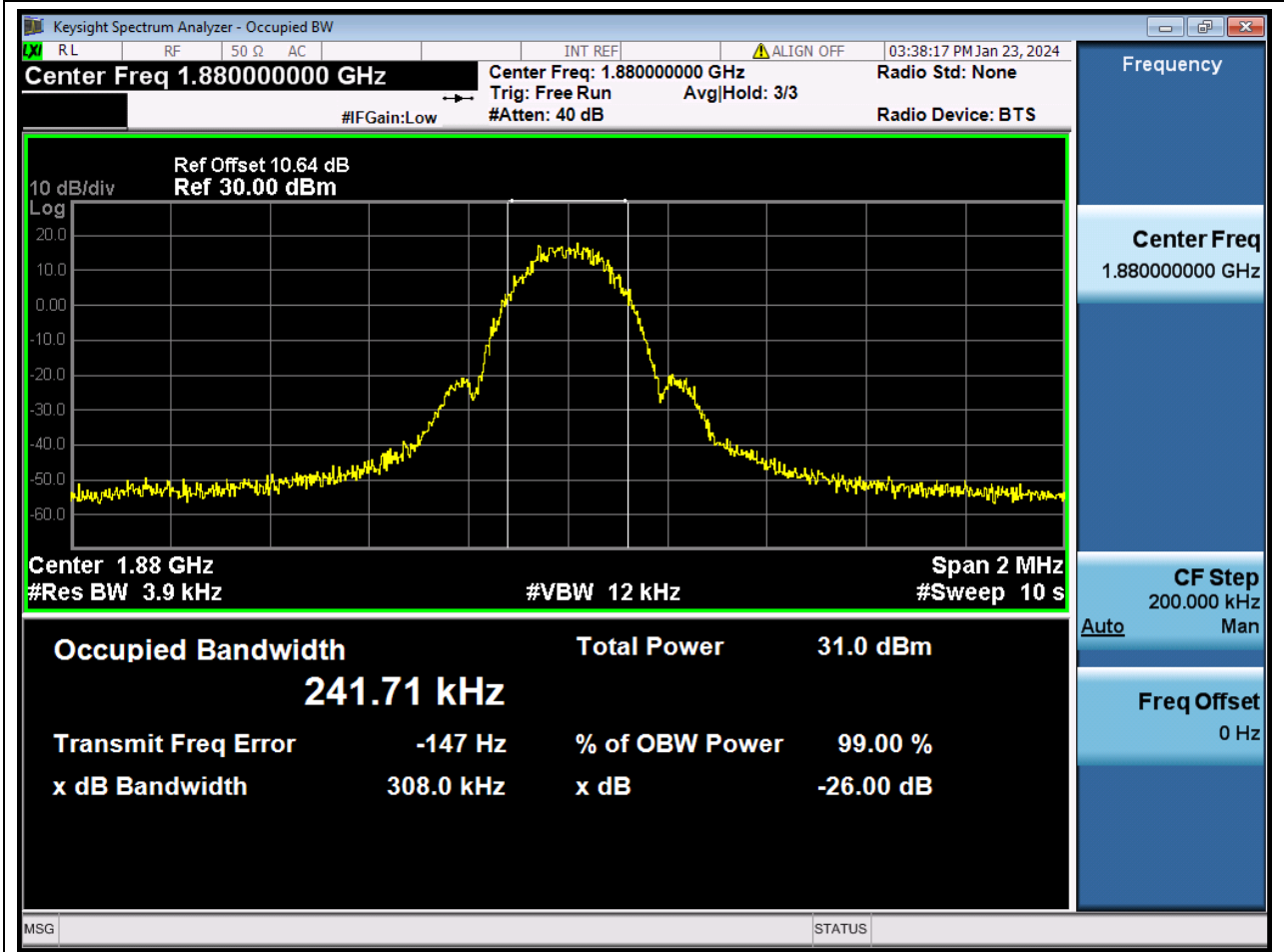
4.1. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:512)

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	0.243	0.307	0.3	Pass



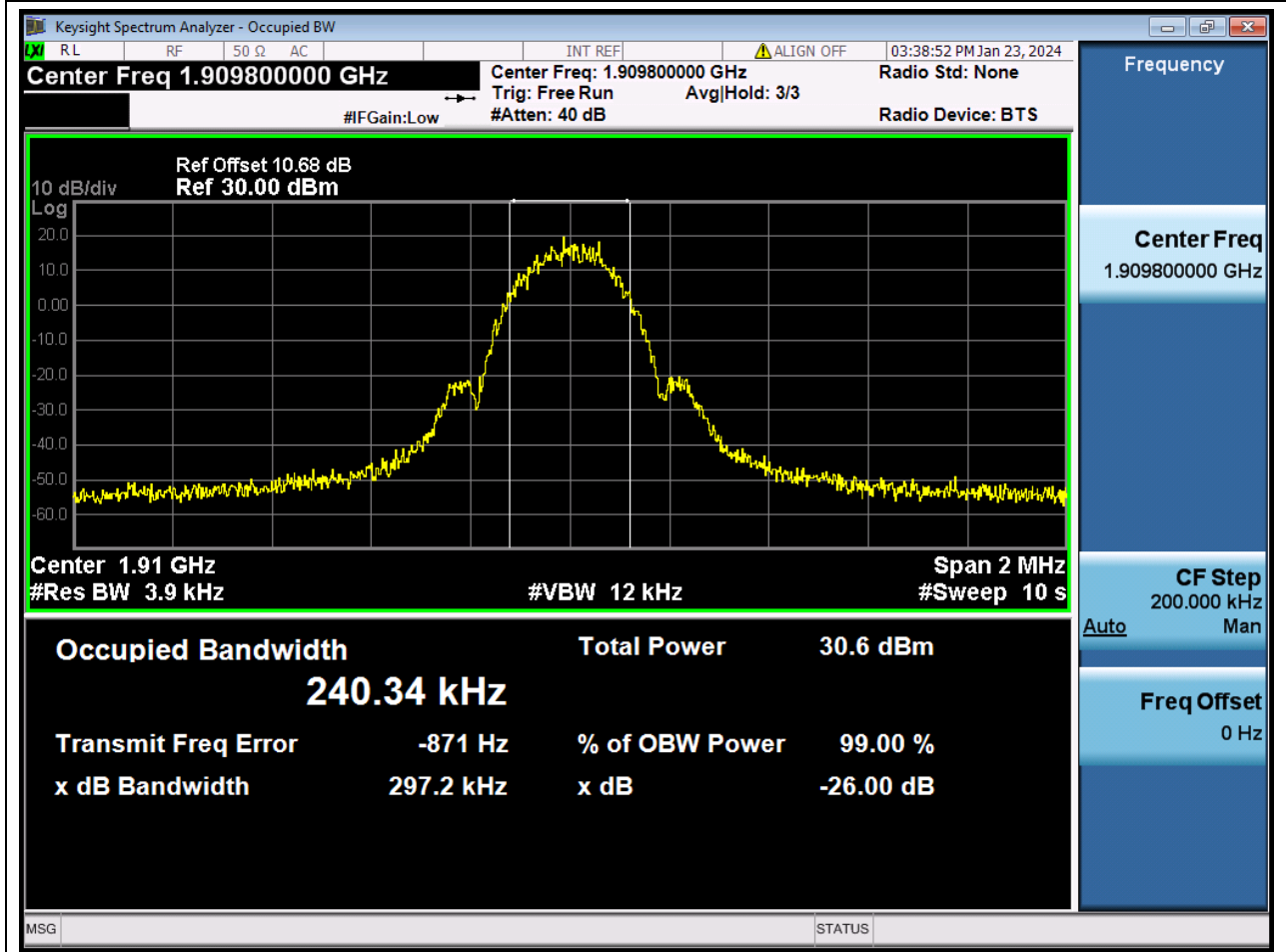
4.2. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:661)

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	0.242	0.308	0.3	Pass



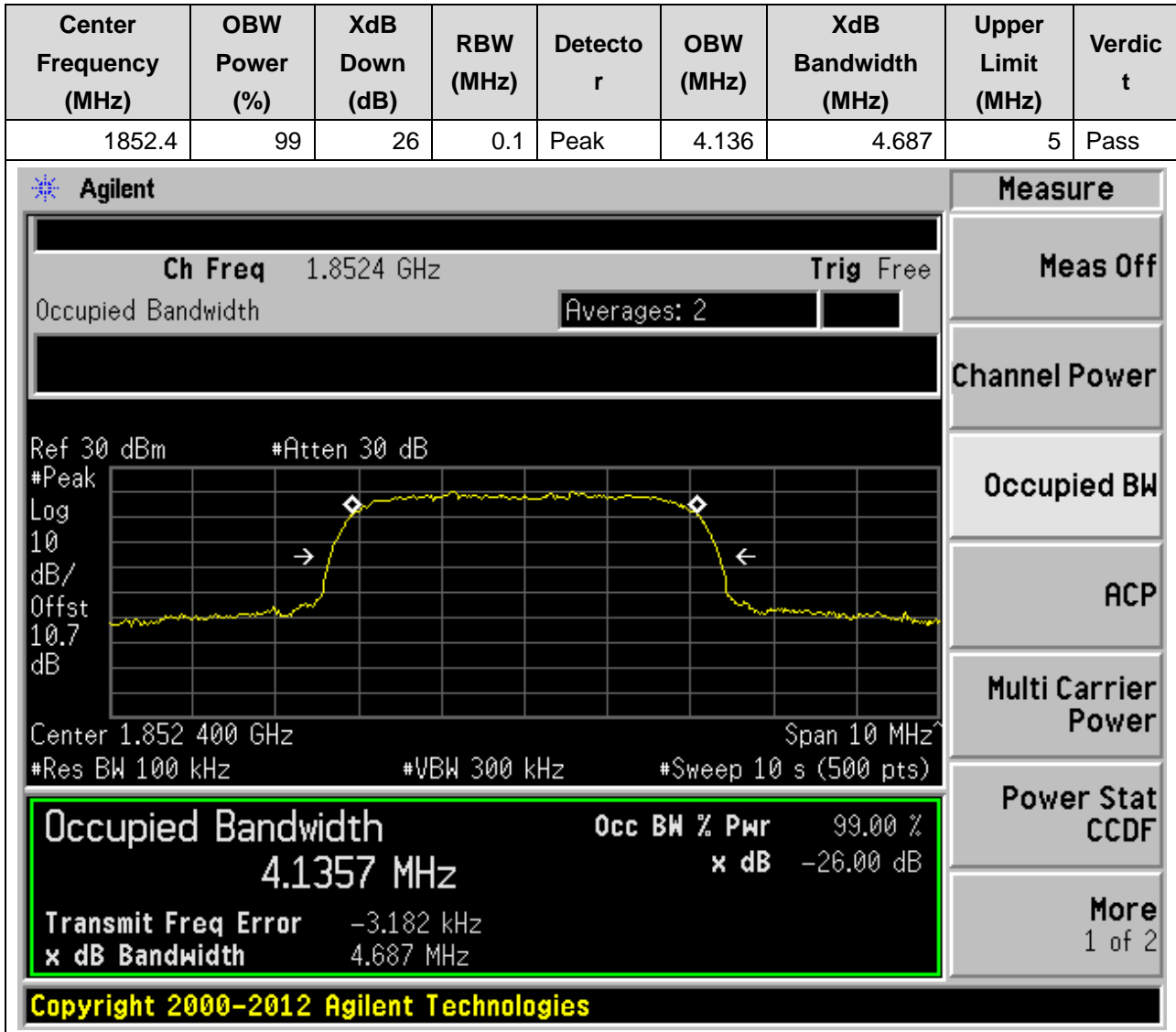
4.3. EGPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:810)

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	0.24	0.297	0.3	Pass

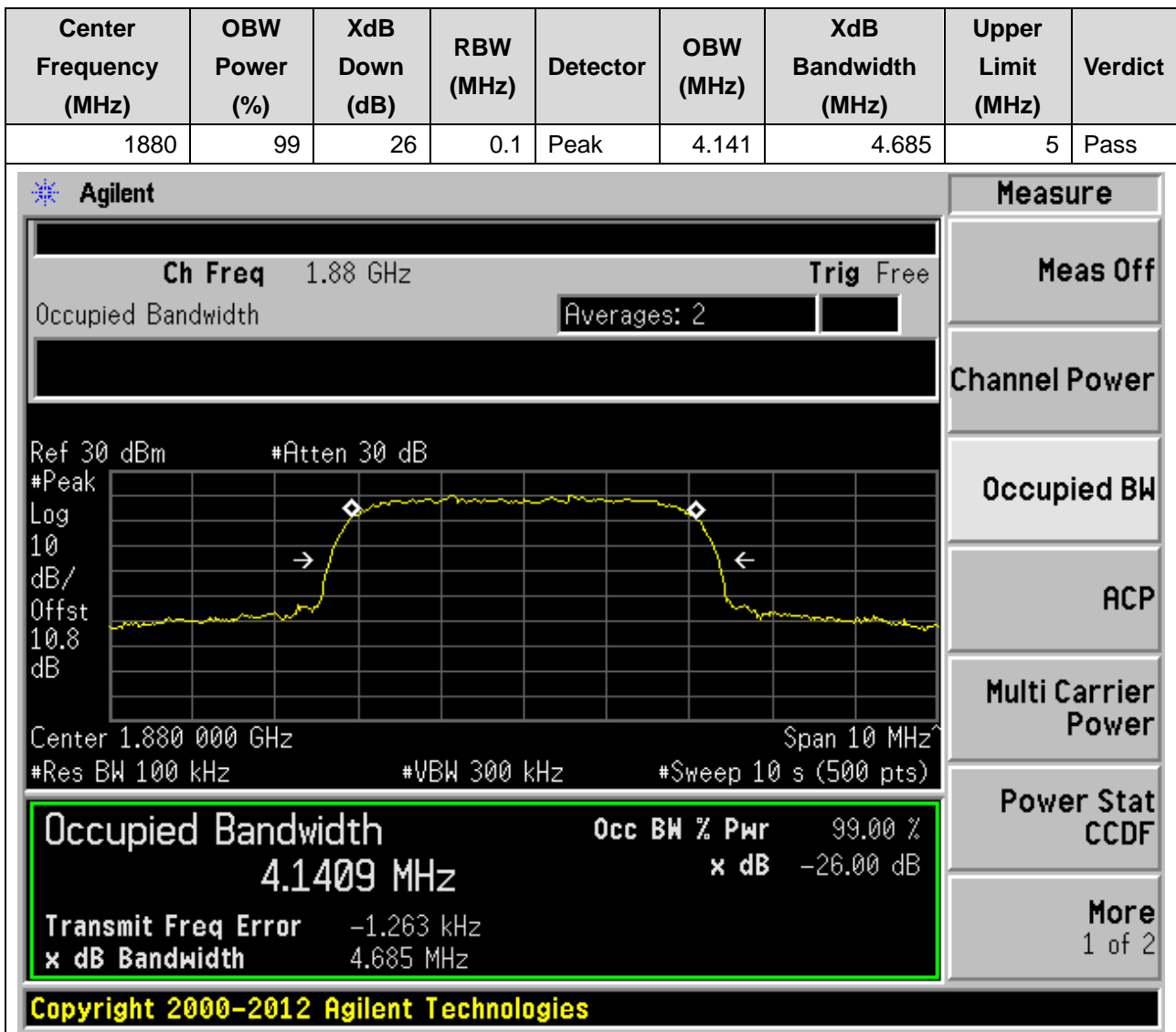


5. WCDMA_Band2

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



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



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	4.148	4.699	5	Pass

Agilent

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

Ch Freq 1.9076 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.907 600 GHz Span 10 MHz

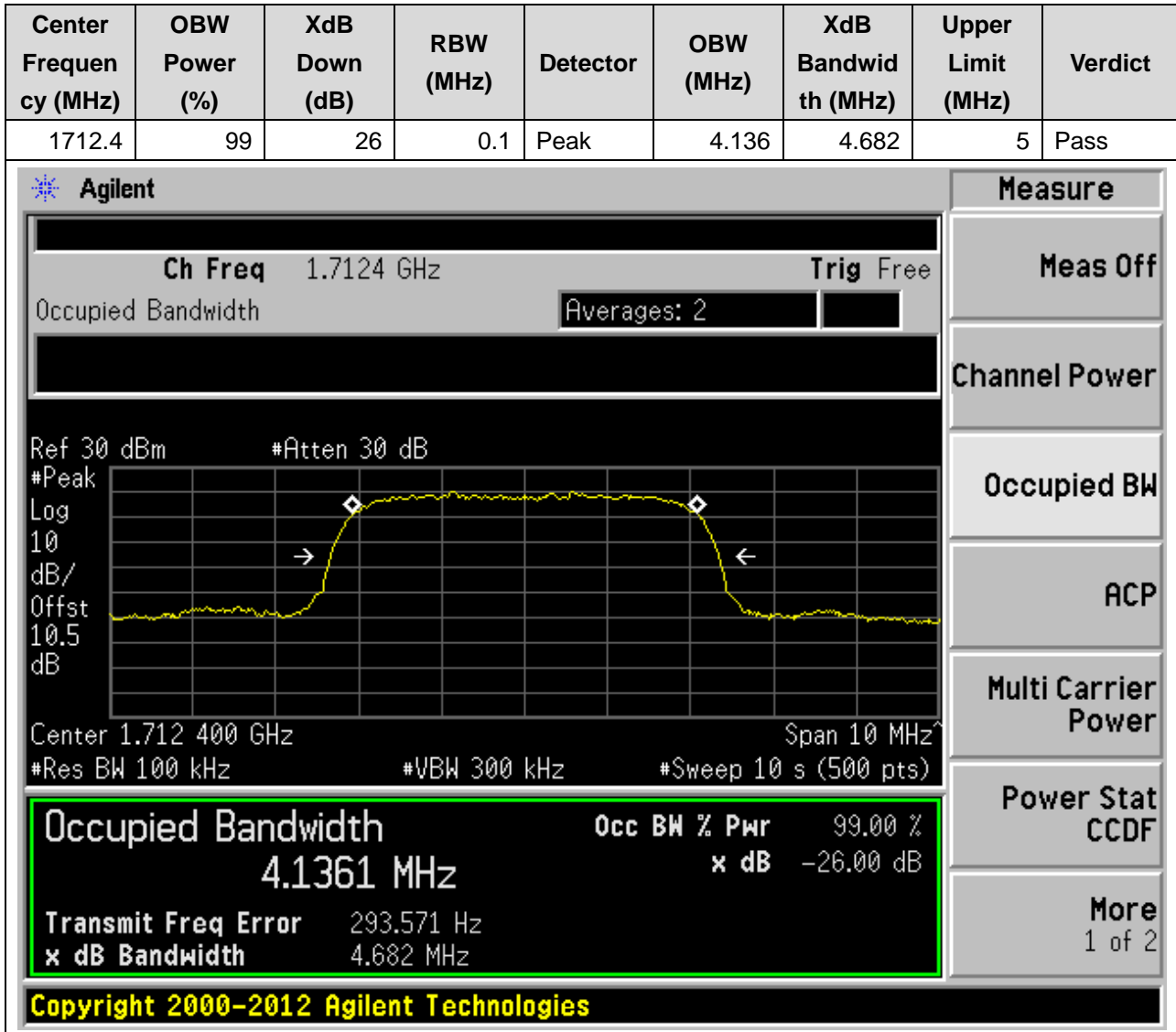
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1484 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.207 kHz	
x dB Bandwidth	4.699 MHz	

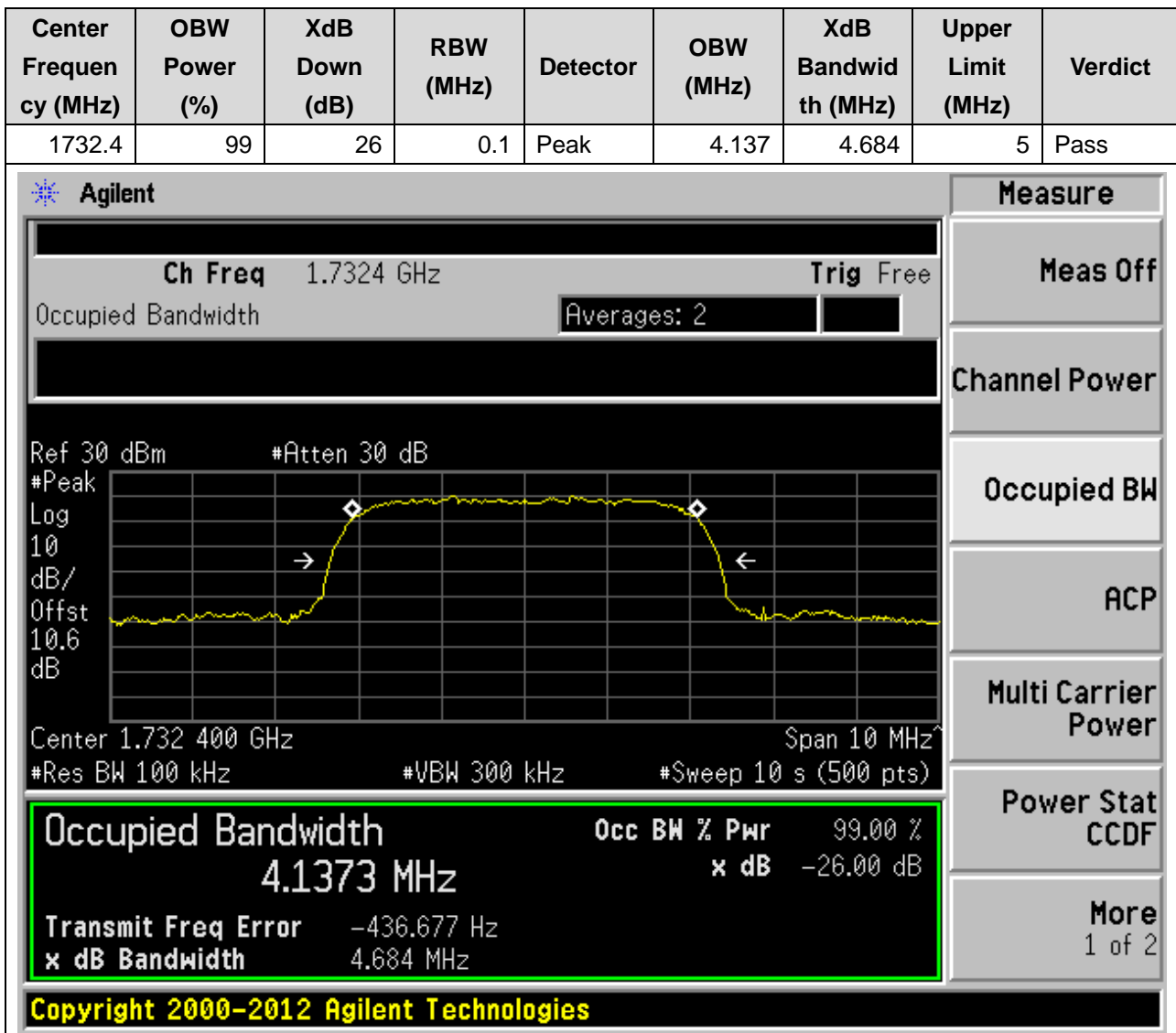
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6. WCDMA_Band4

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



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



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	4.141	4.683	5	Pass

Agilent

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

Ch Freq 1.7526 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.752 600 GHz Span 10 MHz

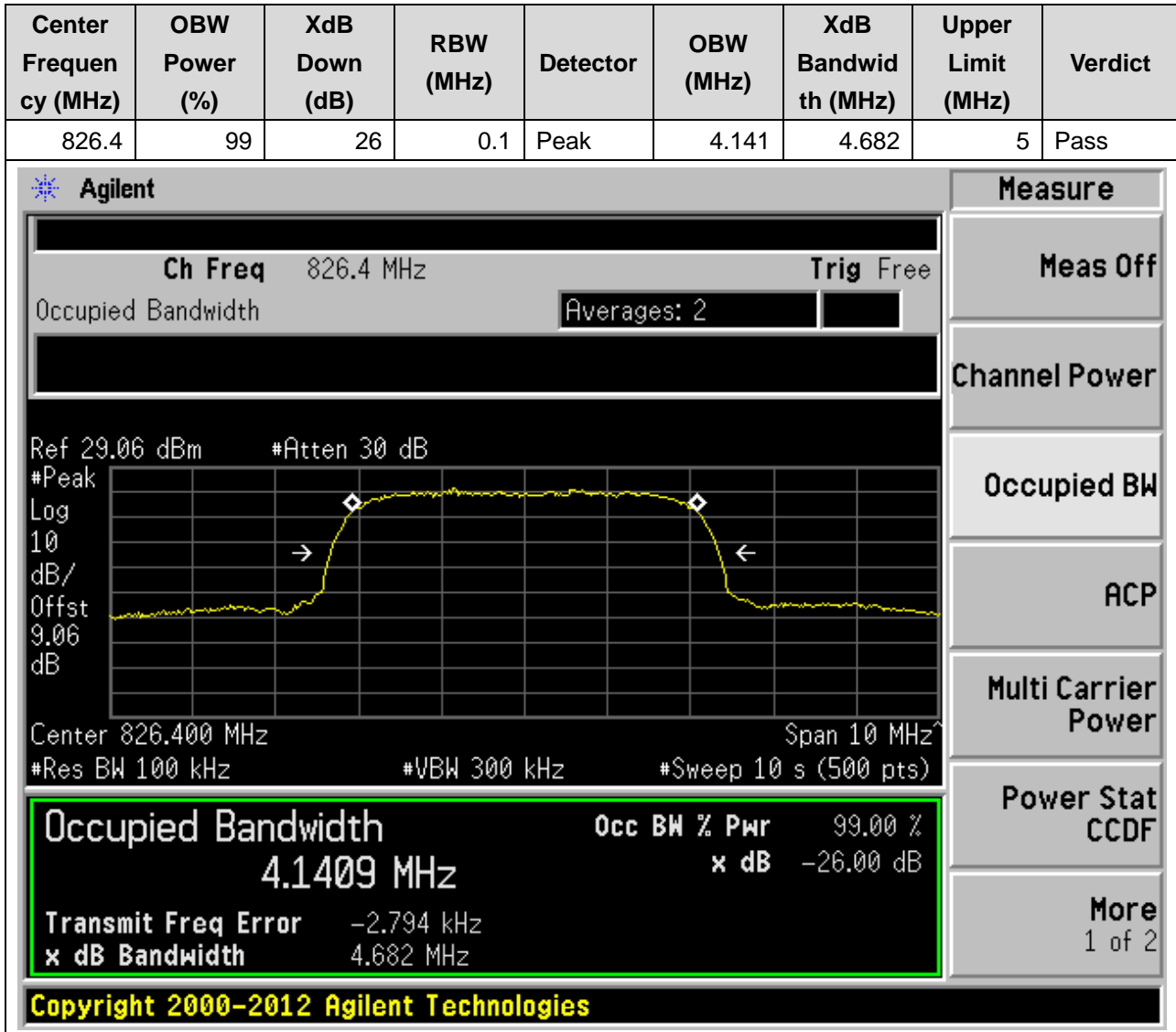
#Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1407 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.751 kHz	
x dB Bandwidth	4.683 MHz	

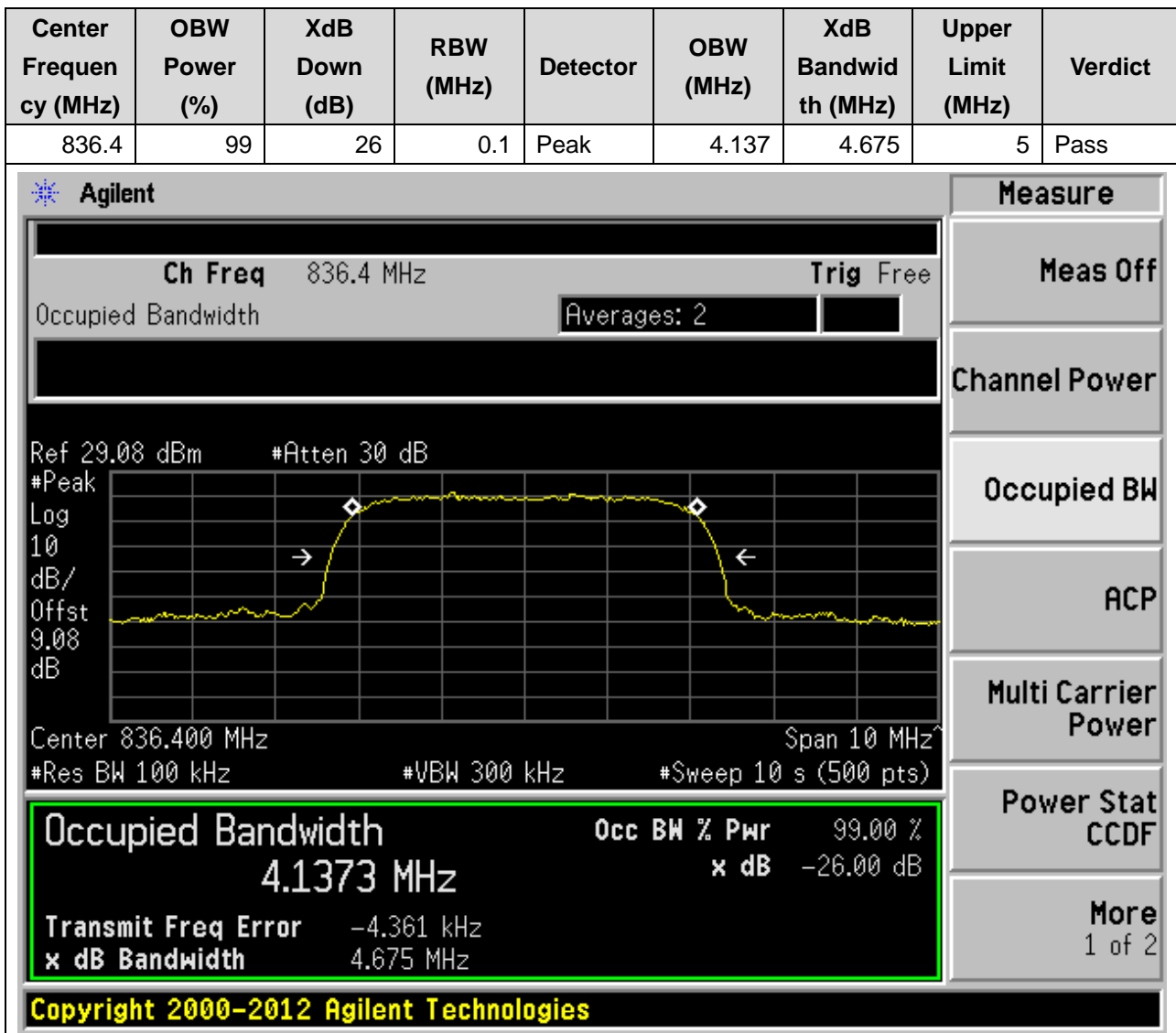
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7. WCDMA_Band5

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



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



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	4.132	4.68	5	Pass

Agilent

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

Ch Freq 846.6 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.15 dBm #Atten 30 dB

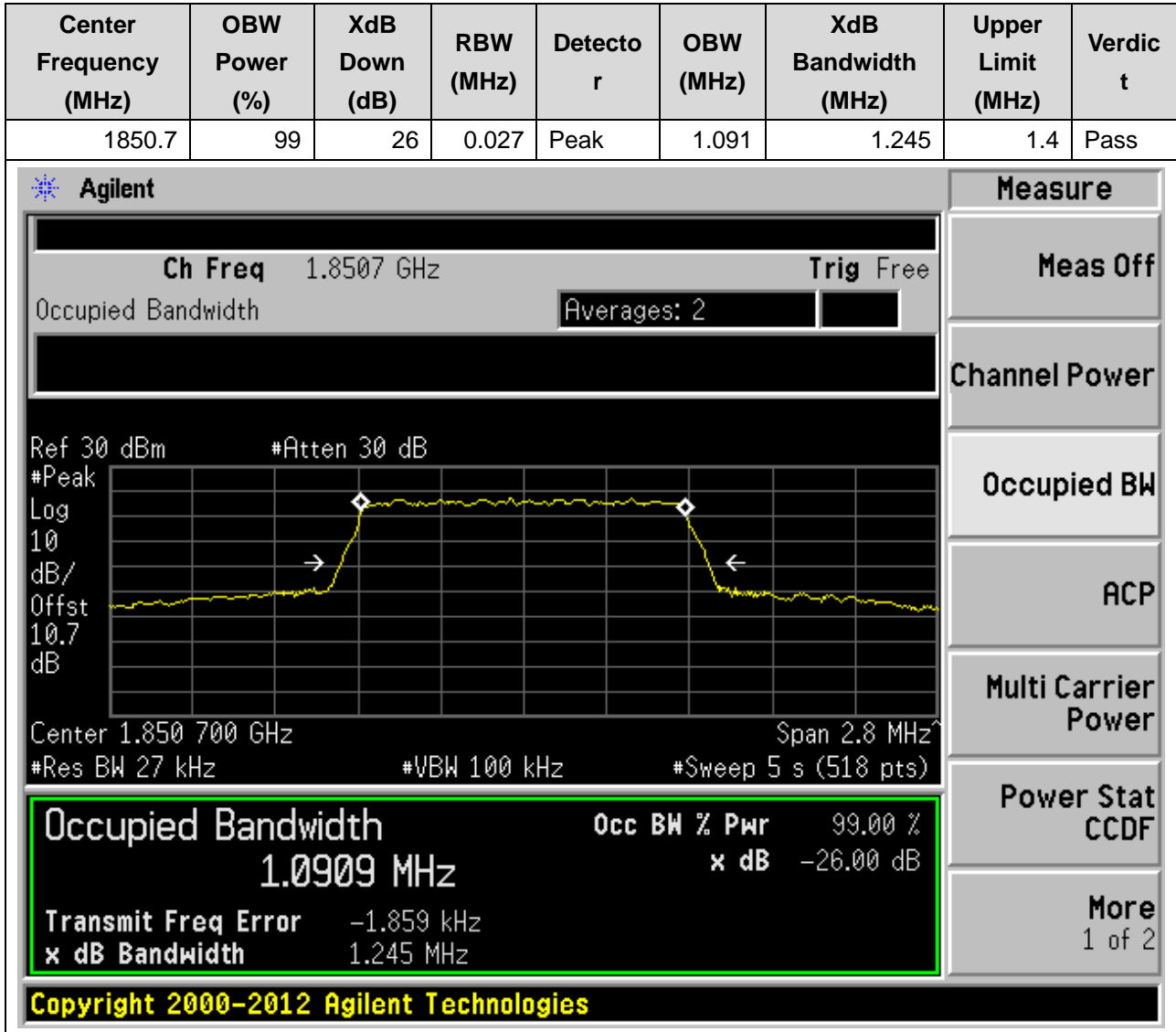
Center 846.600 MHz Span 10 MHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.1319 MHz	x dB	-26.00 dB
Transmit Freq Error	-13.792 kHz	
x dB Bandwidth	4.680 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	1.099	1.254	1.4	Pass

Agilent

Measure

Ch Freq 1.8507 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 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 %

1.0989 MHz x dB -26.00 dB

Transmit Freq Error 171.008 Hz

x dB Bandwidth 1.254 MHz

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Meas Off

Channel Power

Occupied BW

ACP

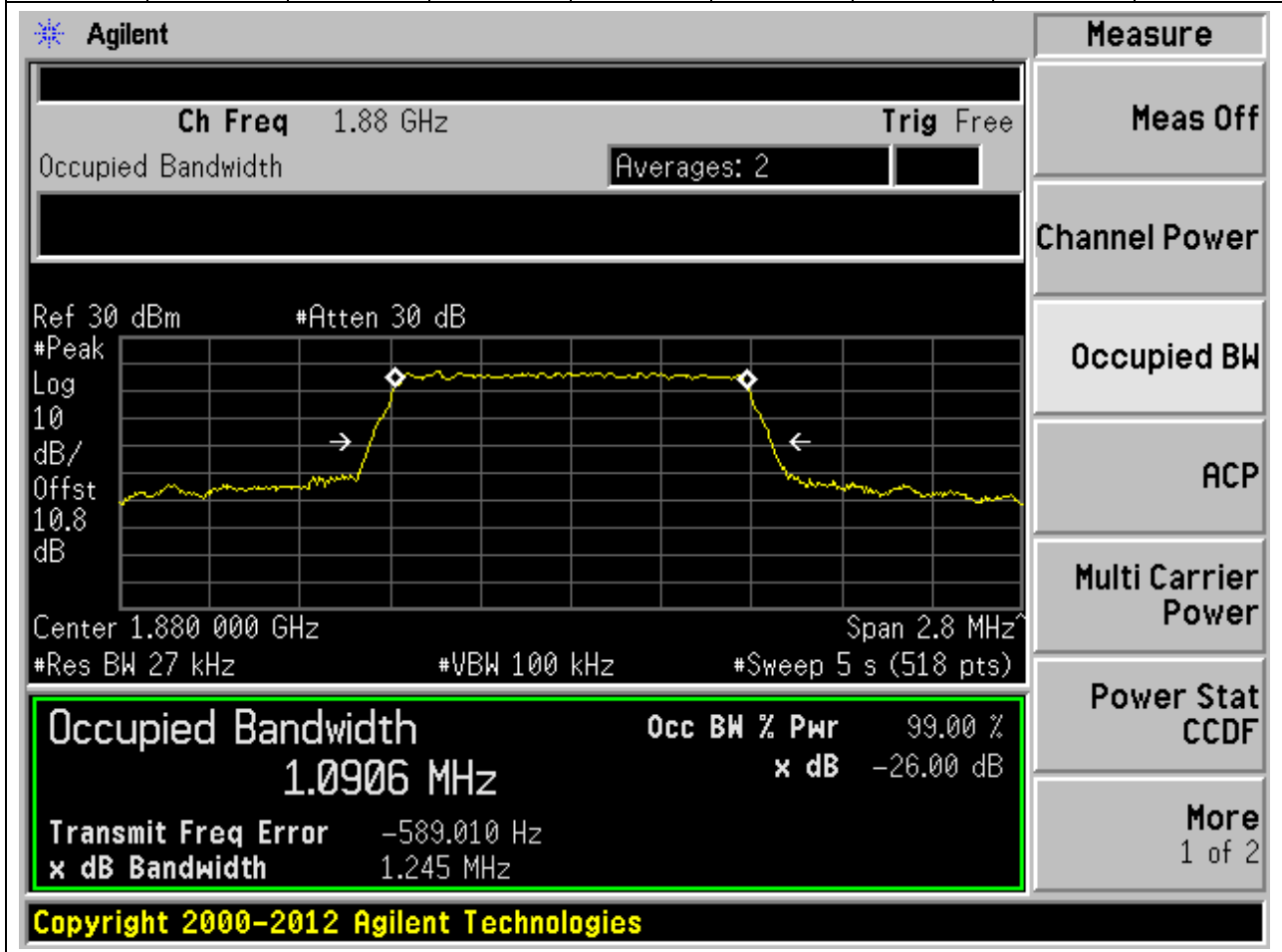
Multi Carrier Power

Power Stat CCDF

More 1 of 2

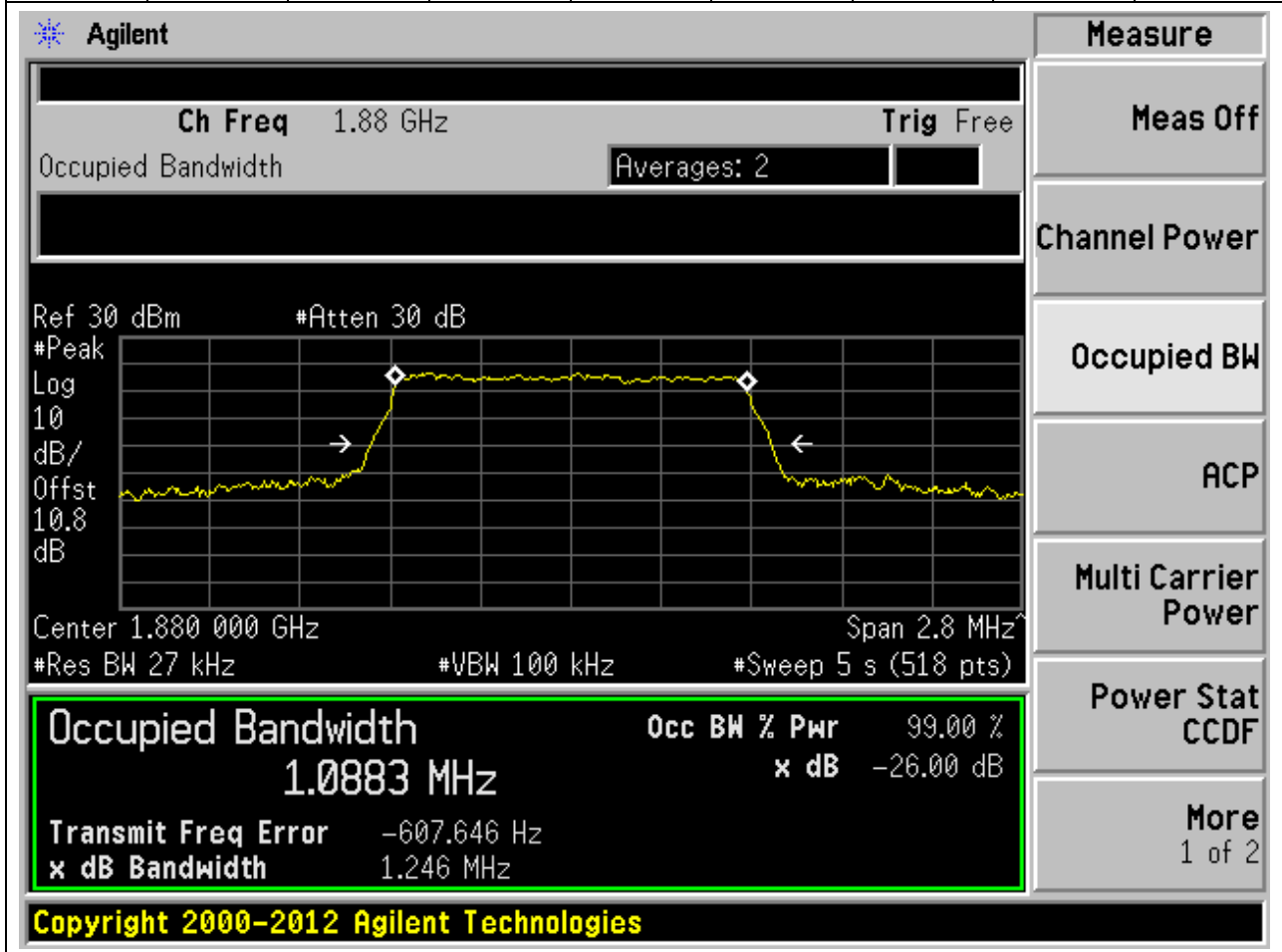
8.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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	1.091	1.245	1.4	Pass



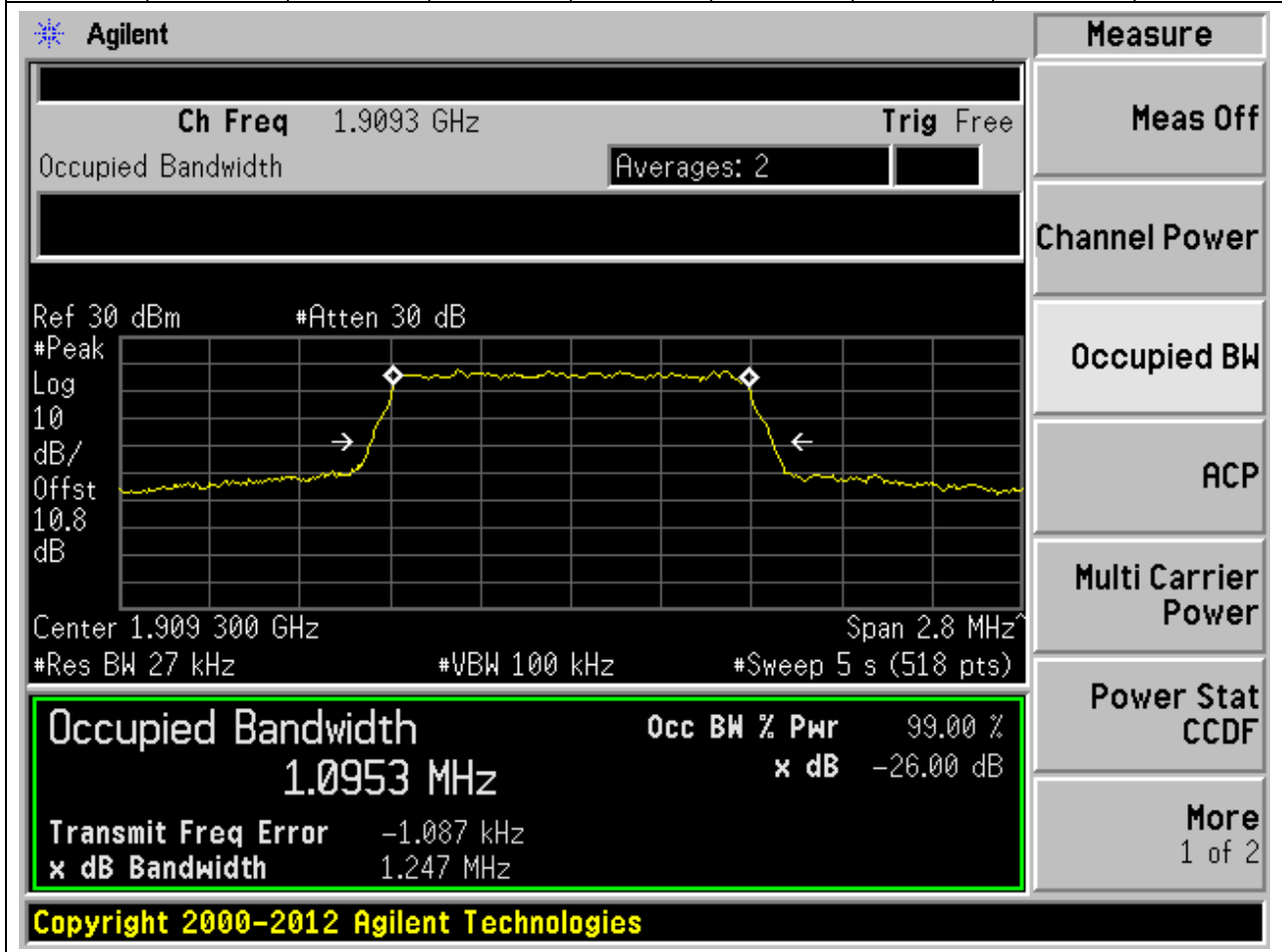
8.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

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	1.088	1.246	1.4	Pass



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	1.095	1.247	1.4	Pass



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	1.094	1.245	1.4	Pass

Agilent
Measure

Ch Freq 1.9093 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 1.909 300 GHz Span 2.8 MHz

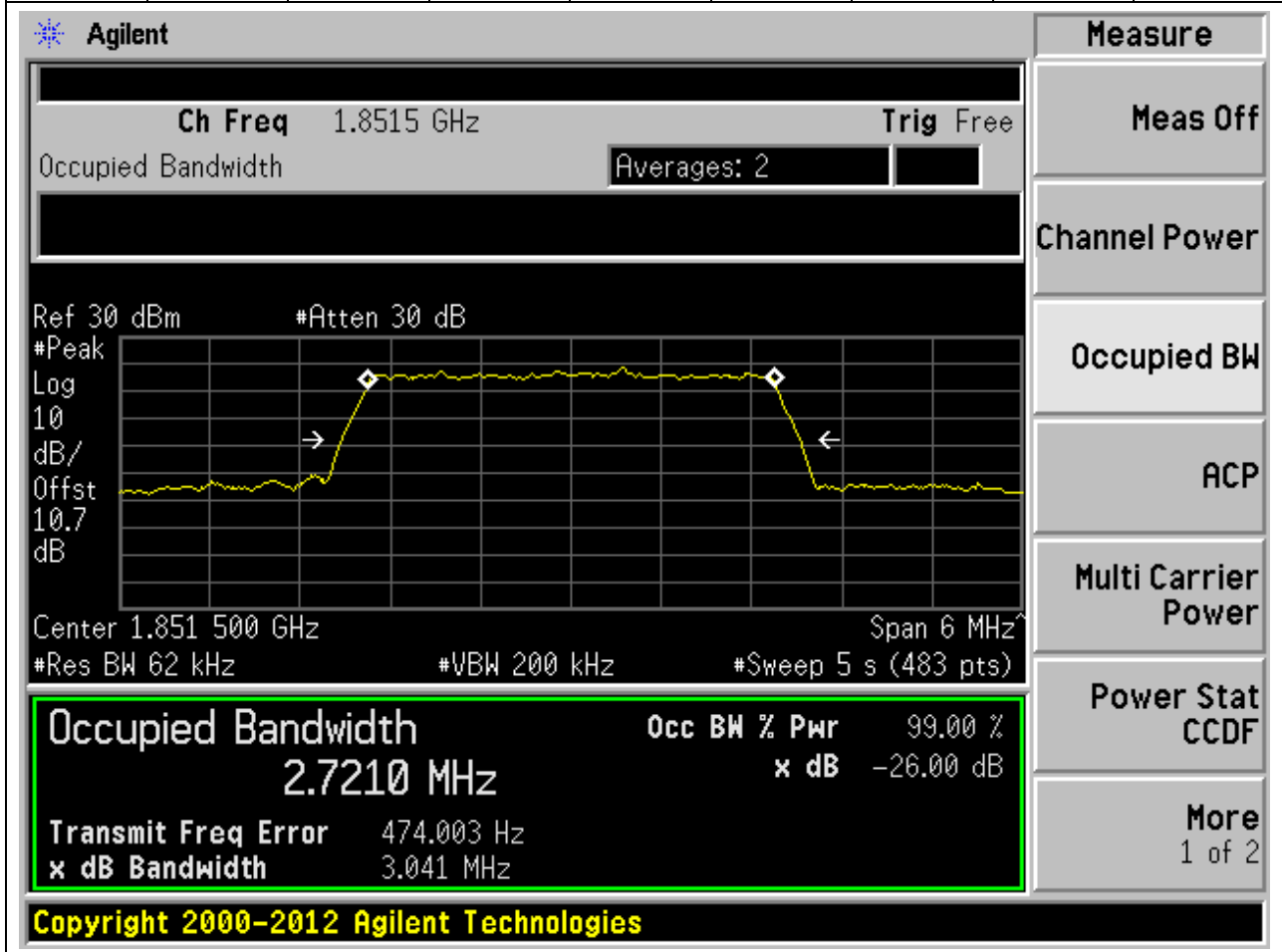
#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0944 MHz	x dB	-26.00 dB
Transmit Freq Error	-316.046 Hz	
x dB Bandwidth	1.245 MHz	

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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	2.721	3.041	3	Pass



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	2.728	3.06	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
10.7

dB

Center 1.851 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.7280 MHz
x dB -26.00 dB

Transmit Freq Error 7.189 kHz

x dB Bandwidth 3.060 MHz

Power Stat CCDF

More
1 of 2

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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	2.713	3.051	3	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

Center 1.880 000 GHz Span 6 MHz

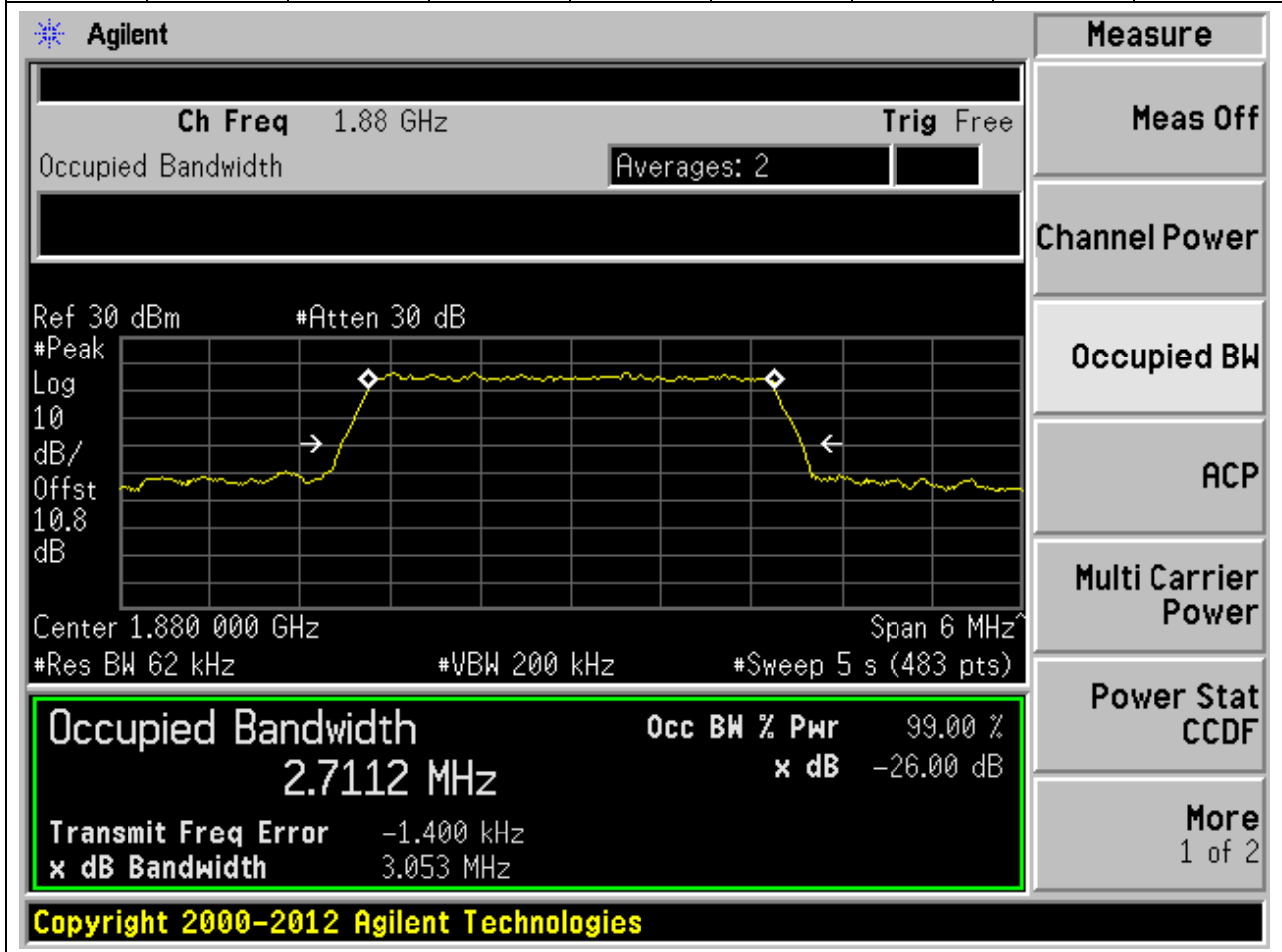
#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7127 MHz	x dB	-26.00 dB
Transmit Freq Error	-274.881 Hz	
x dB Bandwidth	3.051 MHz	

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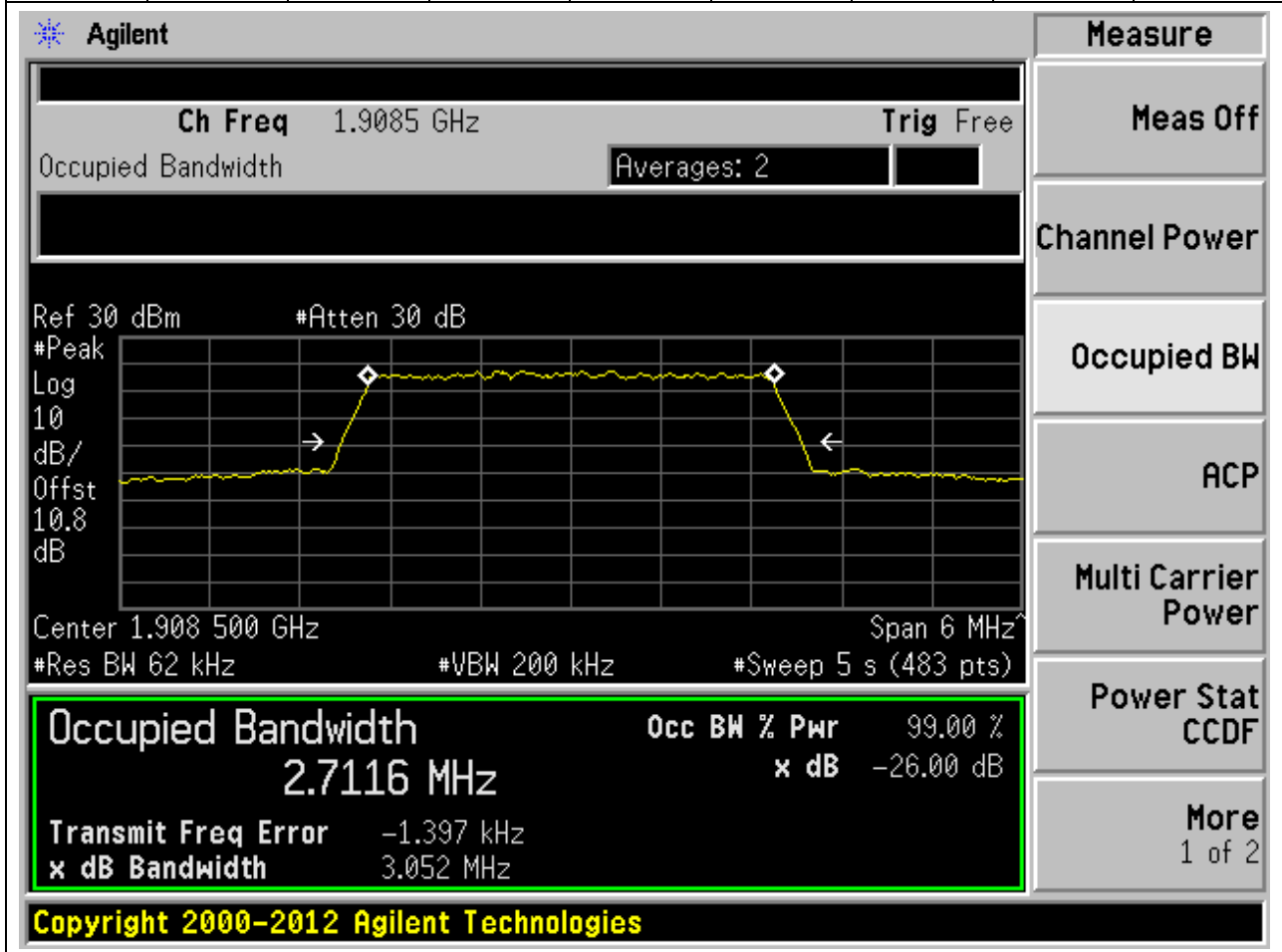
8.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

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	2.711	3.053	3	Pass



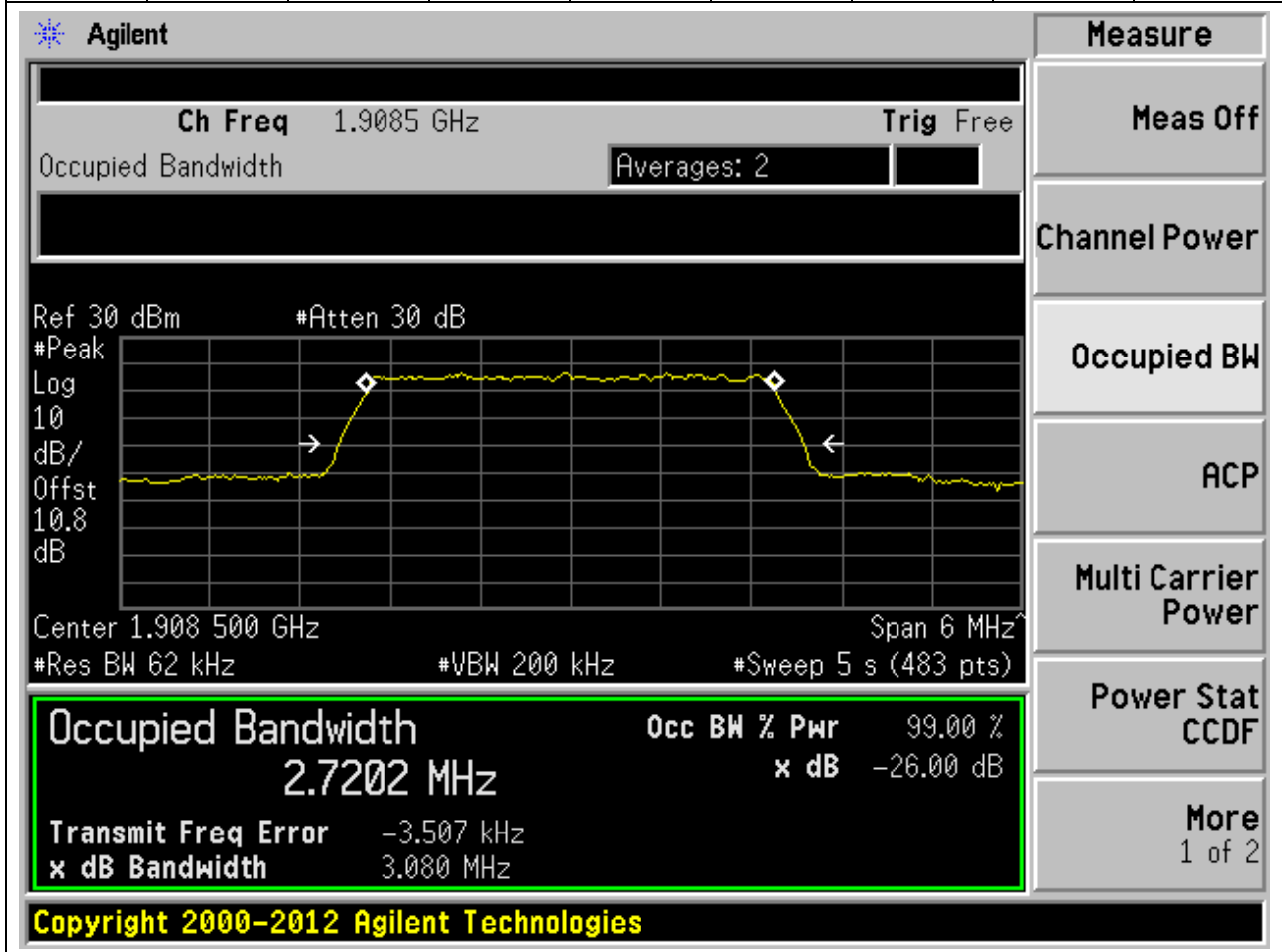
8.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

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	2.712	3.052	3	Pass



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	2.72	3.08	3	Pass



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	4.507	4.987	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
 10.7
 dB

Center 1.852 500 GHz
Span 10 MHz

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

Occupied Bandwidth

4.5071 MHz

Transmit Freq Error -4.985 kHz

x dB Bandwidth 4.987 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

8.14. 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	4.495	4.97	5	Pass

Agilent

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

Ch Freq 1.8525 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 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4953 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.285 kHz	
x dB Bandwidth	4.970 MHz	

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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	4.504	4.999	5	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 1.880 000 GHz Span 10 MHz

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

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

4.5040 MHz **x dB** -26.00 dB

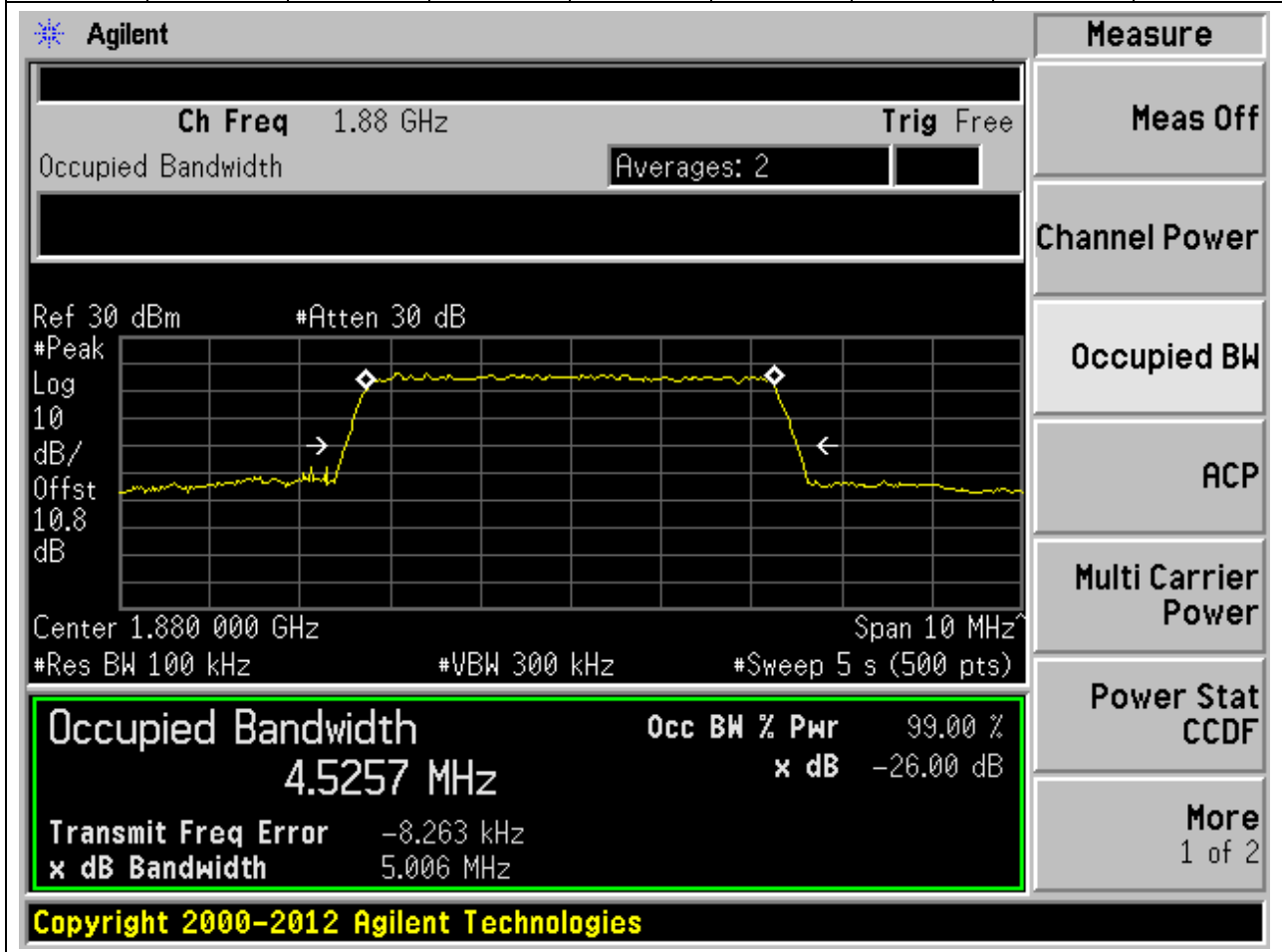
Transmit Freq Error -7.040 kHz

x dB Bandwidth 4.999 MHz

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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	4.526	5.006	5	Pass



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	4.497	4.979	5	Pass

Agilent
Measure

Ch Freq 1.9075 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 1.907 500 GHz Span 10 MHz

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

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

4.4966 MHz **x dB** -26.00 dB

Transmit Freq Error -1.446 kHz

x dB Bandwidth 4.979 MHz

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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	4.521	5.002	5	Pass

Agilent
Measure

Ch Freq 1.9075 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 1.907 500 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 5 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 %

4.5206 MHz **x dB** -26.00 dB

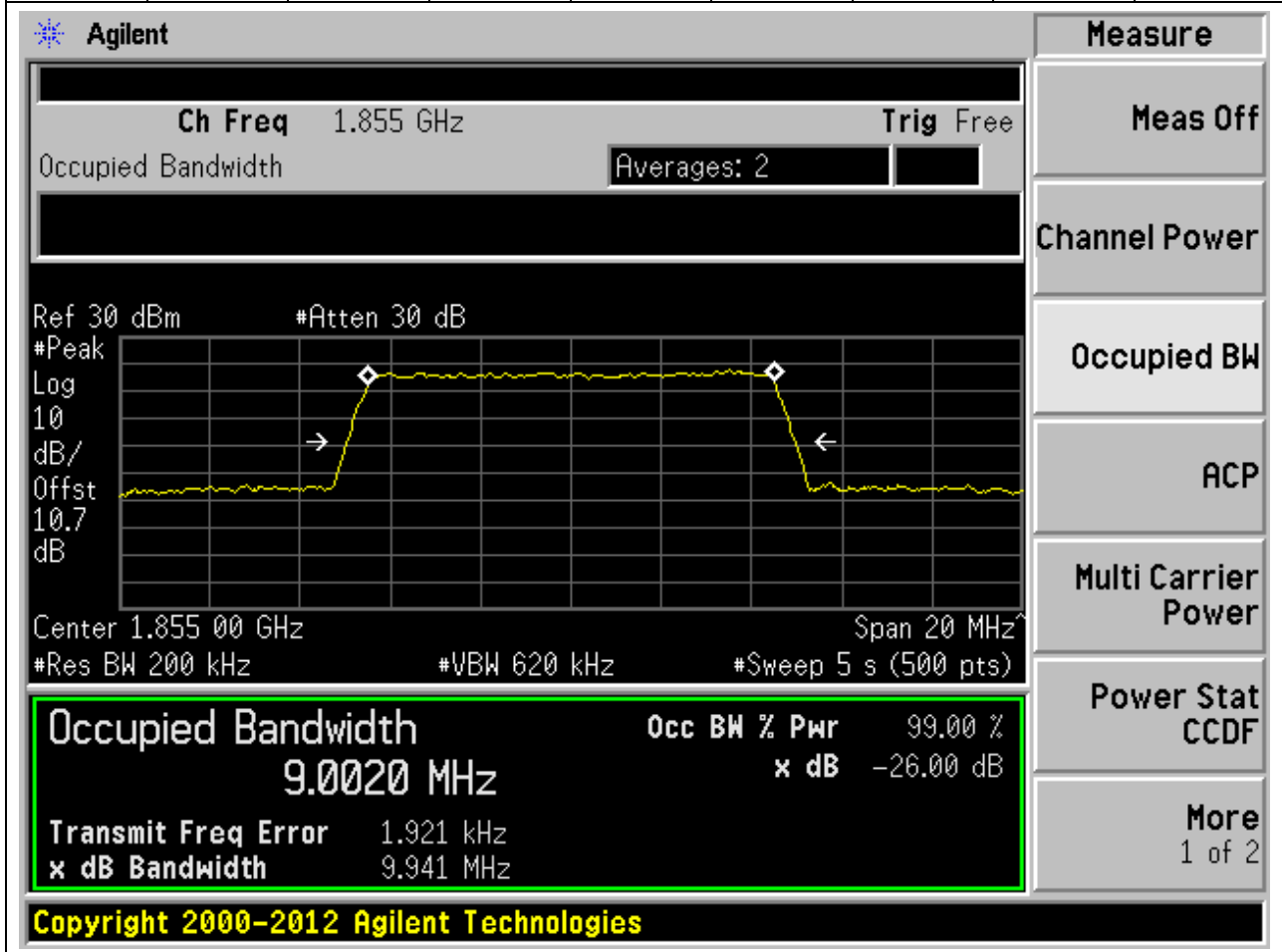
Transmit Freq Error -9.367 kHz

x dB Bandwidth 5.002 MHz

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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	9.002	9.941	10	Pass



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	8.987	9.946	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
10.7

dB

Center 1.855 00 GHz
Span 20 MHz

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

Occupied Bandwidth

8.9865 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 17.149 kHz

x dB Bandwidth 9.946 MHz

More

1 of 2

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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	8.968	9.908	10	Pass

Agilent
Measure

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.880 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

8.9679 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -4.276 kHz

x dB Bandwidth 9.908 MHz

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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	9	9.944	10	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 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9995 MHz

x dB -26.00 dB

Transmit Freq Error 11.244 kHz

x dB Bandwidth 9.944 MHz

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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	8.99	9.924	10	Pass

Agilent
Measure

Ch Freq 1.905 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 1.905 00 GHz Span 20 MHz

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

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

8.9902 MHz **x dB** -26.00 dB

Transmit Freq Error -14.900 kHz

x dB Bandwidth 9.924 MHz

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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	8.985	9.975	10	Pass

Agilent

Measure

Ch Freq 1.905 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 dB

Center 1.905 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

8.9847 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

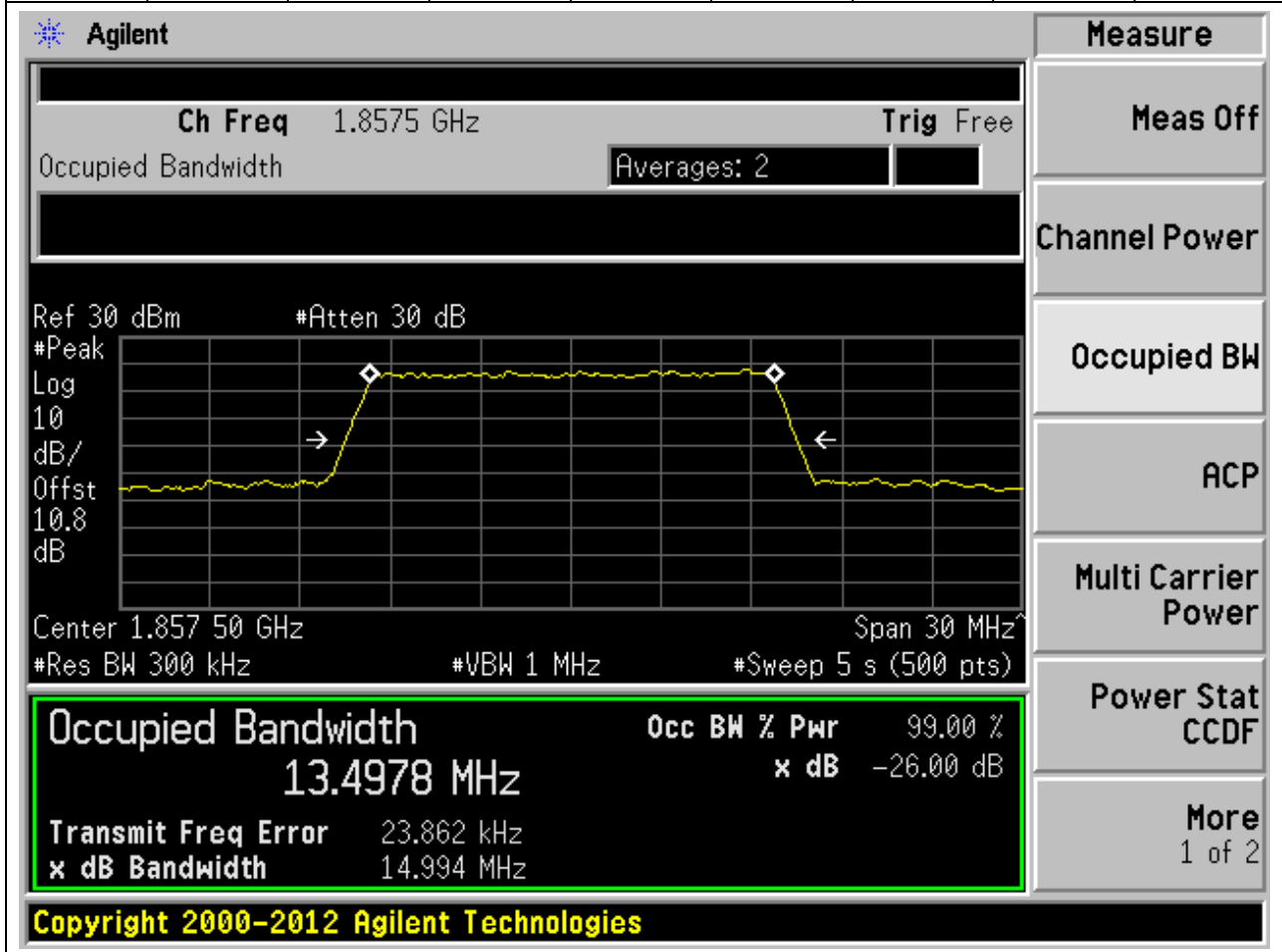
Transmit Freq Error -19.846 kHz

x dB Bandwidth 9.975 MHz

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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	13.498	14.994	15	Pass



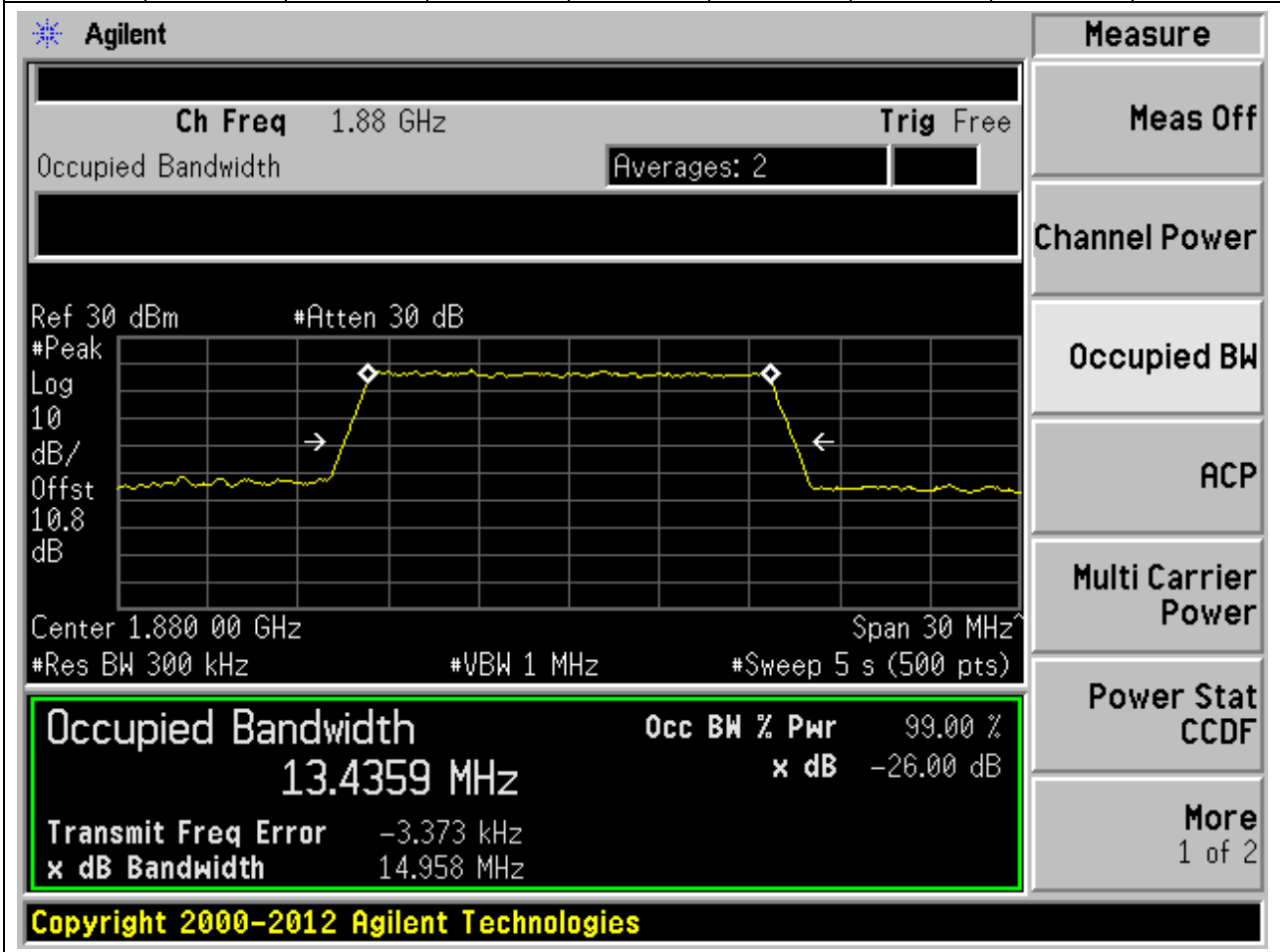
8.26. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:26, Channel:18675, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

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	13.499	15.002	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 contains a spectrum plot with a yellow trace. The plot settings include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '10.8 dB'. The plot shows a signal with a flat top and sloping sides, with two white diamonds marking the -26 dB points. Below the plot, the following parameters are listed: 'Center 1.857 50 GHz', 'Span 30 MHz', '#Res BW 300 kHz', '#VBW 1 MHz', and '#Sweep 5 s (500 pts)'. A green-bordered box highlights the measurement results: 'Occupied Bandwidth 13.4991 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Below this, 'Transmit Freq Error 25.393 kHz' and 'x dB Bandwidth 15.002 MHz' are also visible. 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 displayed.

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	13.436	14.958	15	Pass



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	13.514	15.085	15	Pass

Agilent
Measure

Ch Freq 1.88 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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)

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

13.5141 MHz **x dB** -26.00 dB

Transmit Freq Error -6.697 kHz

x dB Bandwidth 15.085 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	13.469	15.043	15	Pass

Agilent

Measure

Ch Freq 1.9025 GHz Trig Free

Occupied Bandwidth Averages: 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4692 MHz	x dB	-26.00 dB
Transmit Freq Error	-34.538 kHz	
x dB Bandwidth	15.043 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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	13.461	15.021	15	Pass

Agilent
Measure

Ch Freq 1.9025 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.8

dB

Center 1.902 50 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

13.4613 MHz

Transmit Freq Error -20.607 kHz

x dB Bandwidth 15.021 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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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	17.973	19.684	20	Pass

Agilent

Measure

Ch Freq 1.86 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB
#Peak Log 10 dB/Offst 10.8 dB
Center 1.860 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

17.9732 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

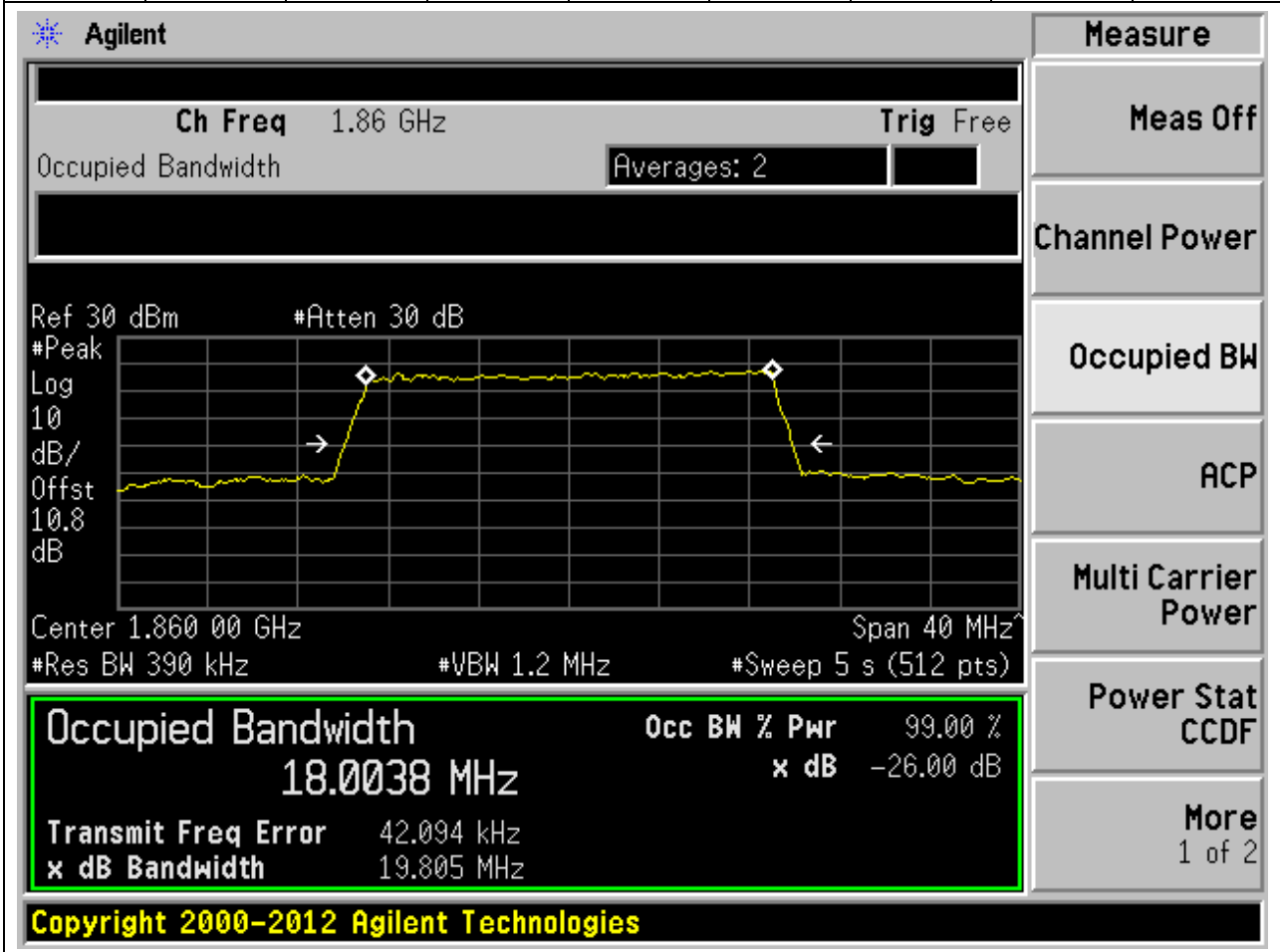
Transmit Freq Error 22.118 kHz

x dB Bandwidth 19.684 MHz

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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	18.004	19.805	20	Pass



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	17.984	19.741	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)

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

17.9844 MHz

x dB -26.00 dB

Transmit Freq Error 25.730 kHz

x dB Bandwidth 19.741 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

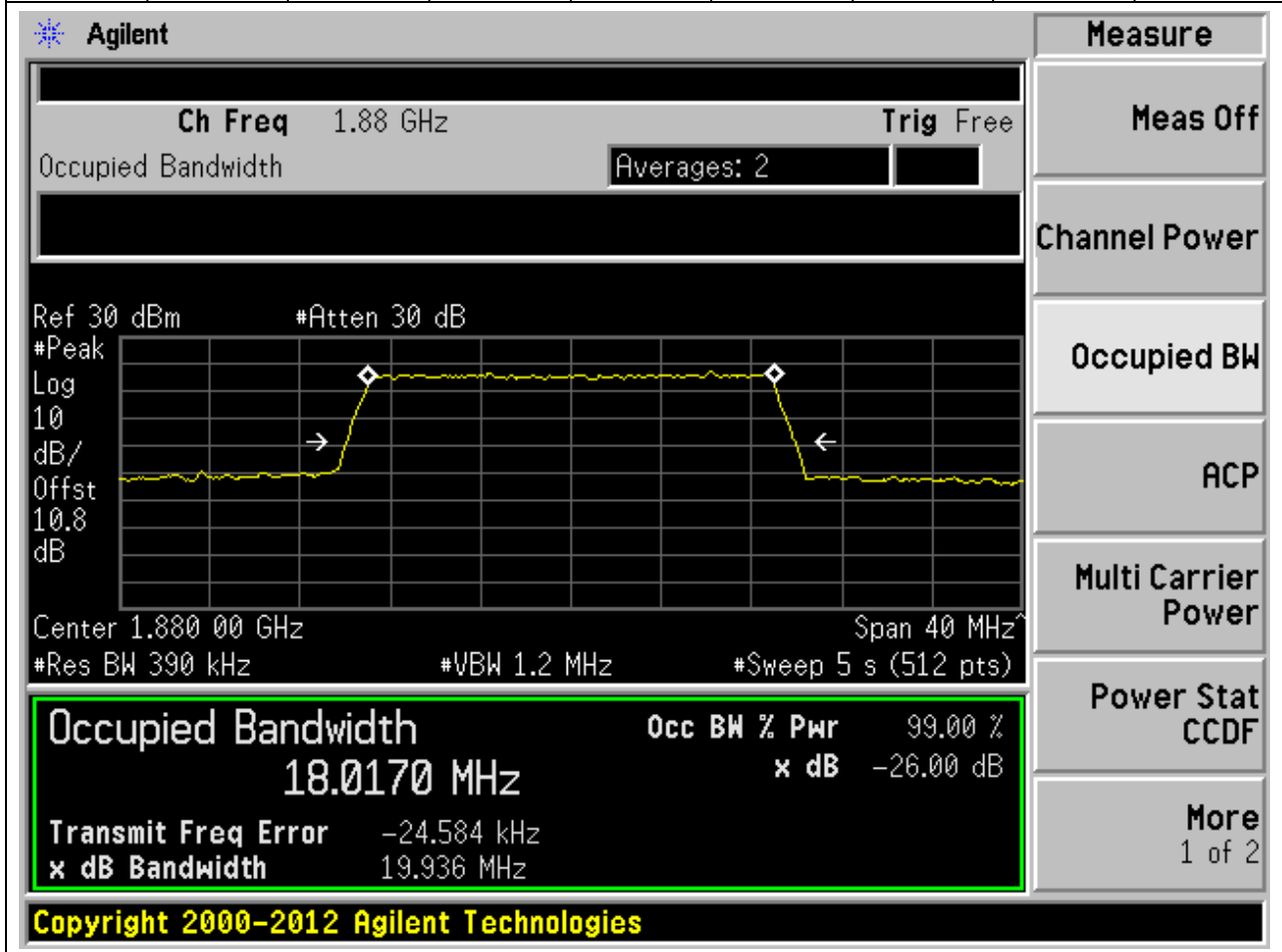
Power Stat CCDF

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	18.017	19.936	20	Pass



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	17.955	19.901	20	Pass

Agilent
Measure

Ch Freq 1.9 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 1.900 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 %

17.9554 MHz **x dB** -26.00 dB

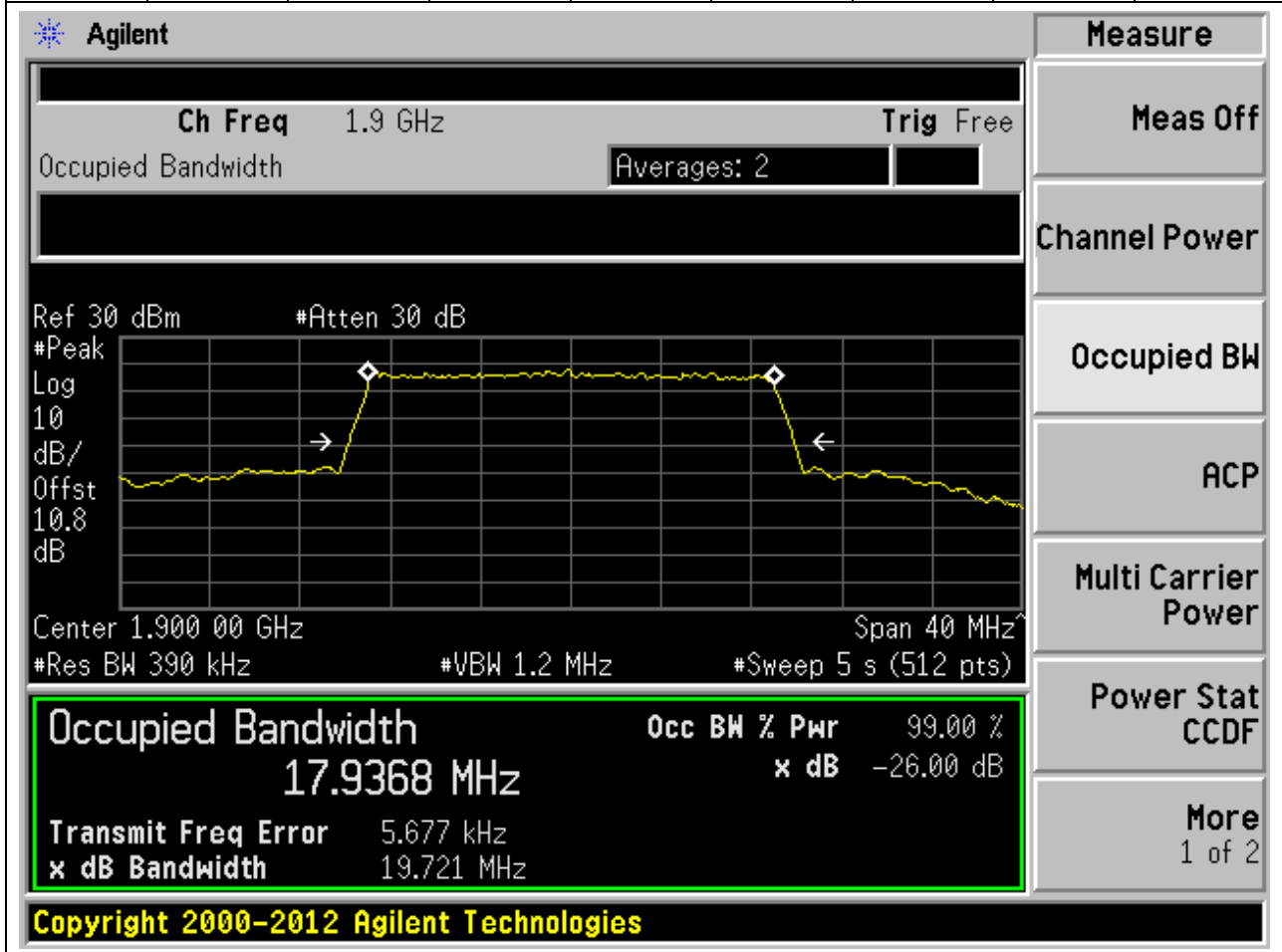
Transmit Freq Error -32.930 kHz

x dB Bandwidth 19.901 MHz

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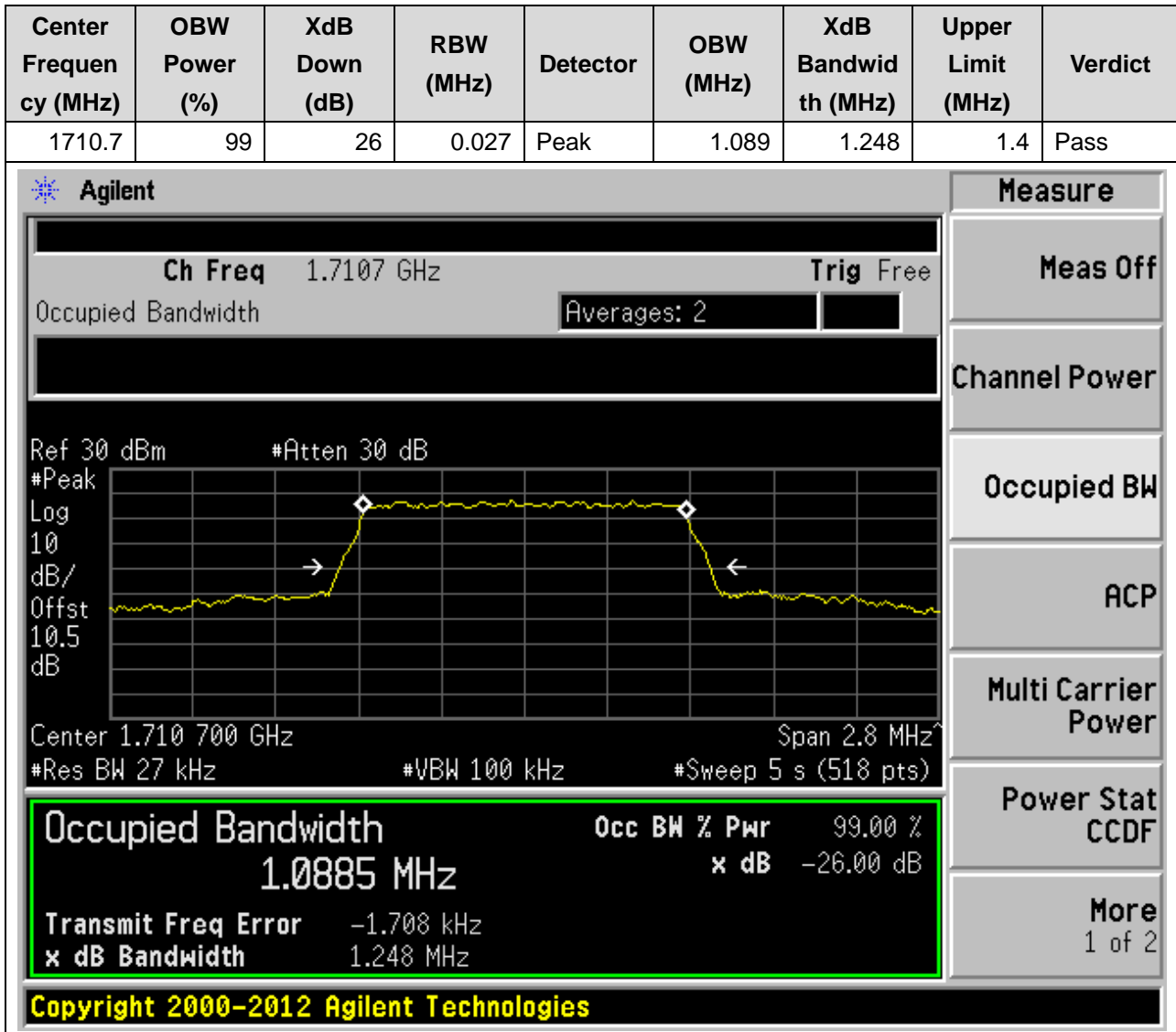
8.36. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:36, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

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	17.937	19.721	20	Pass



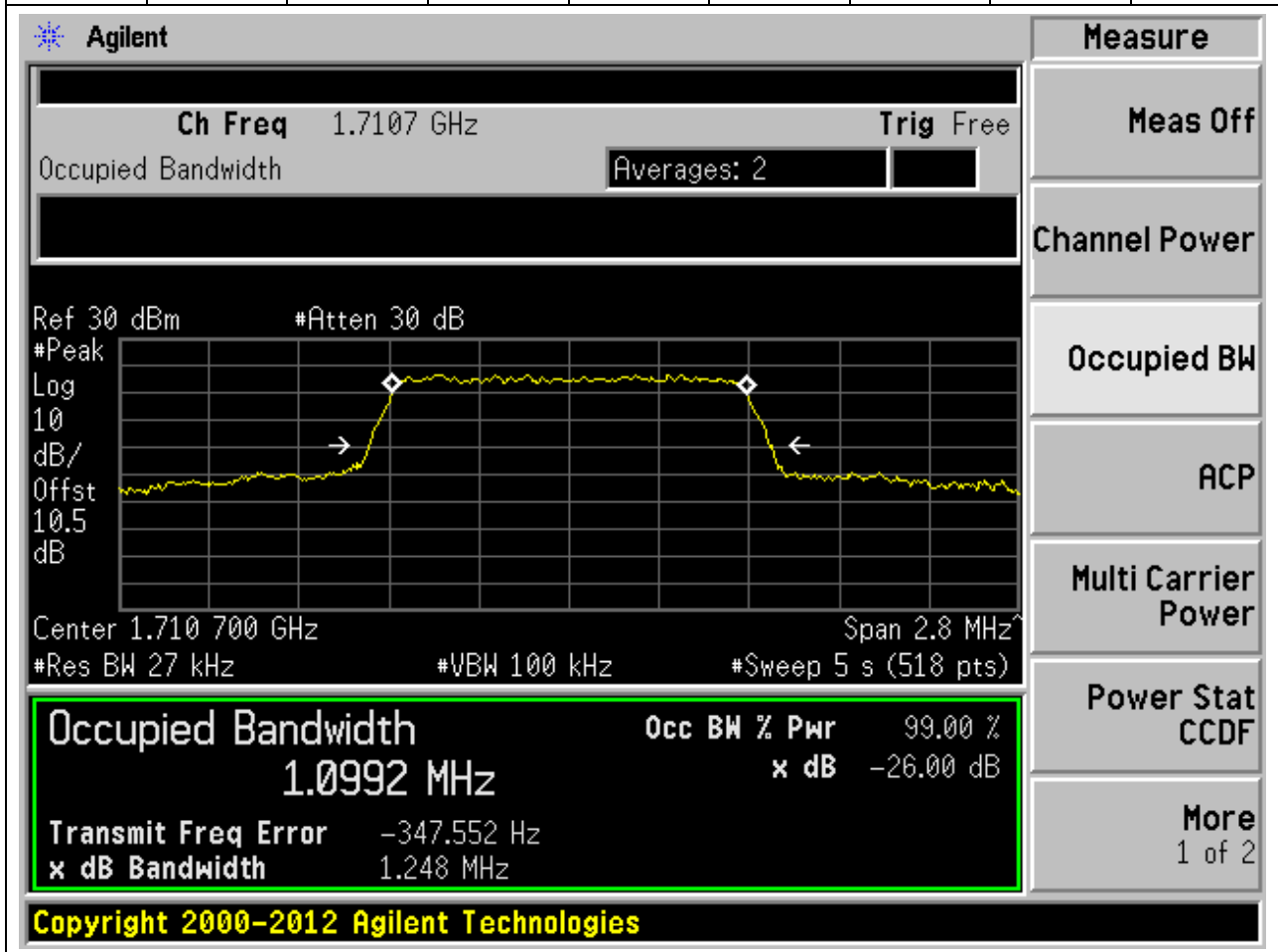
9. LTE_Band4

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



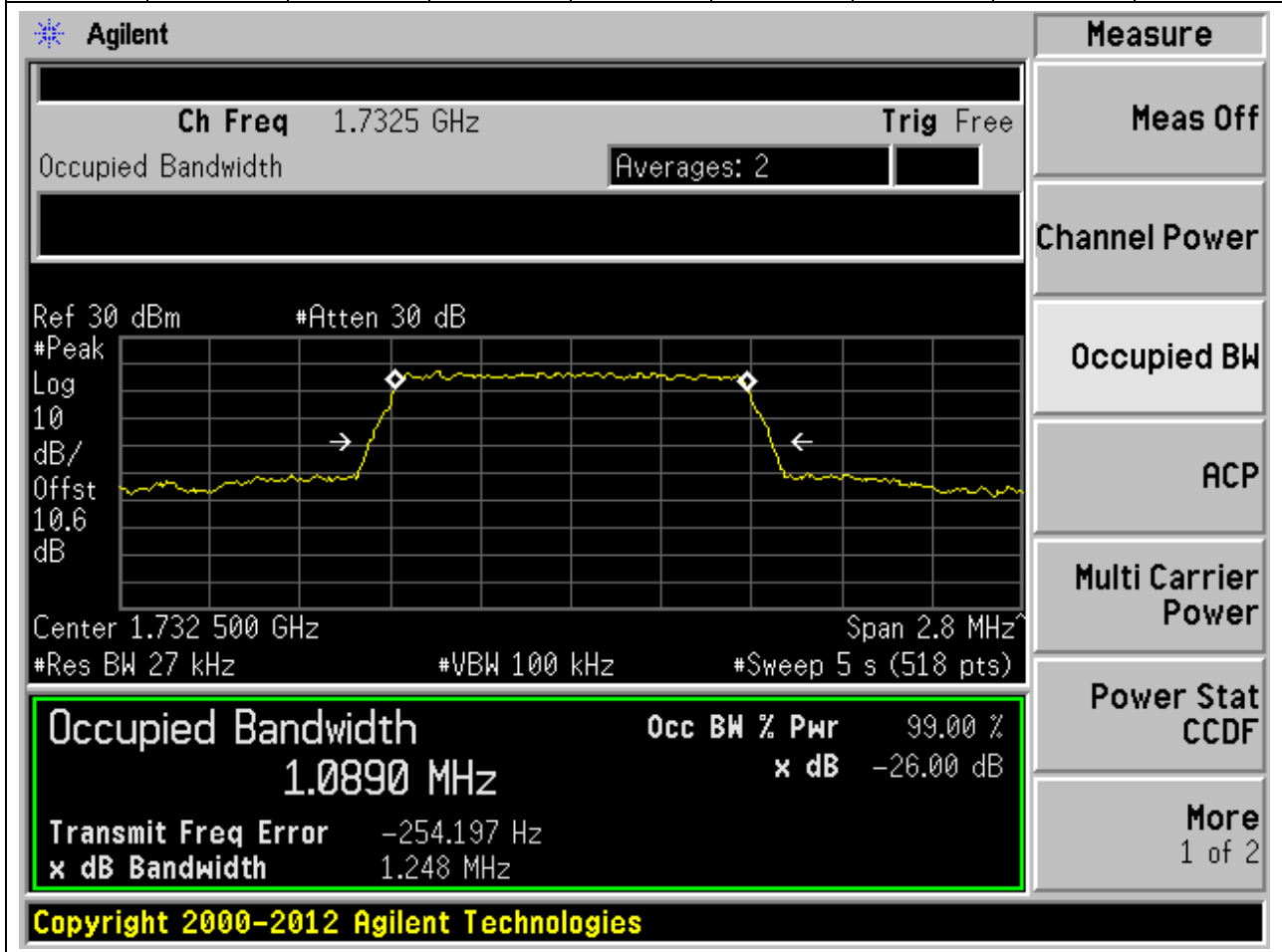
9.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:19957, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

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	1.099	1.248	1.4	Pass



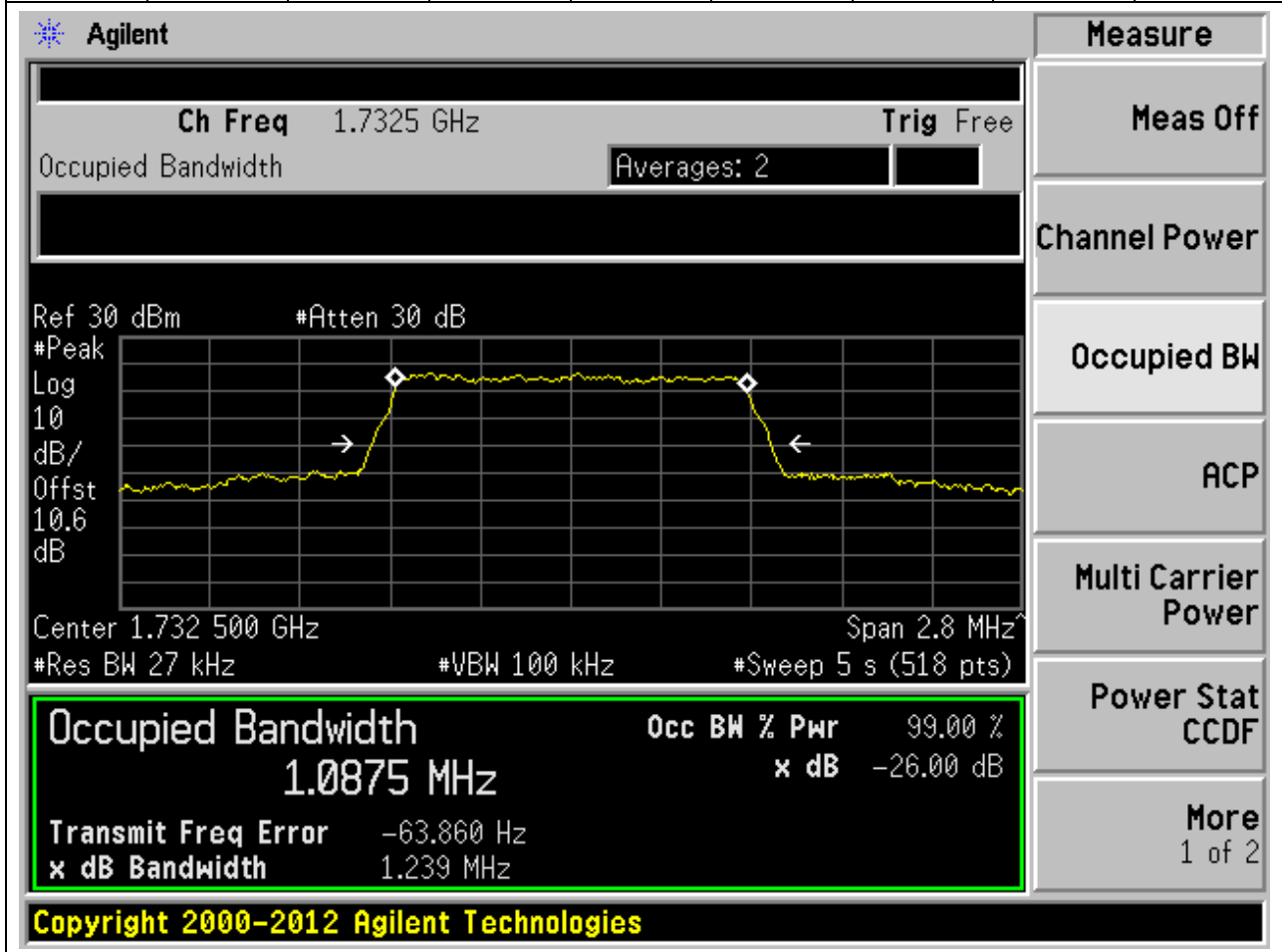
9.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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	1.089	1.248	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	1.087	1.239	1.4	Pass



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	1.095	1.248	1.4	Pass

Agilent

Measure

Ch Freq 1.7543 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB
#Peak Log
#Res BW 27 kHz #VBW 100 kHz #Sweep 5 s (518 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

1.0947 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

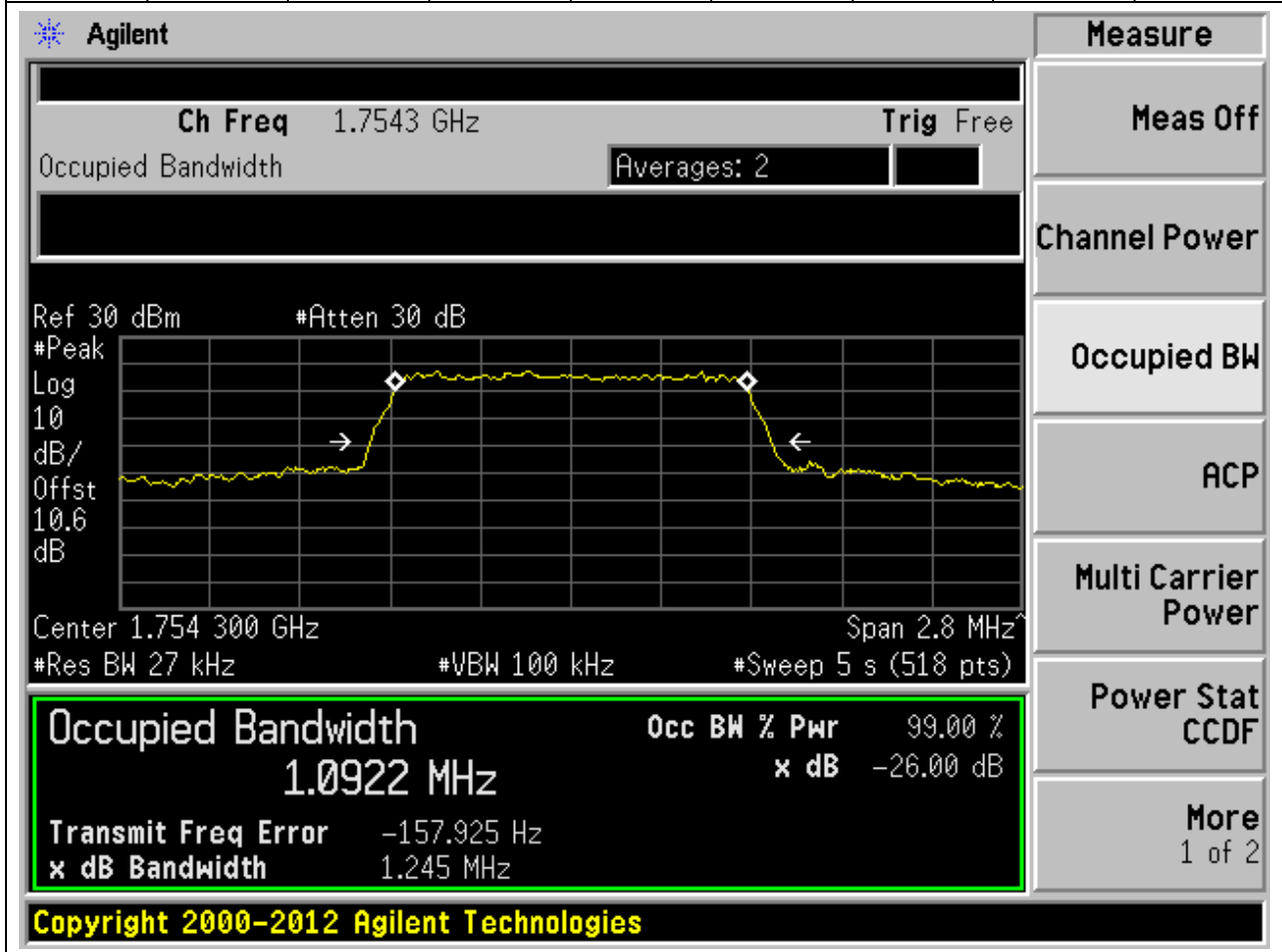
Transmit Freq Error -1.196 kHz

x dB Bandwidth 1.248 MHz

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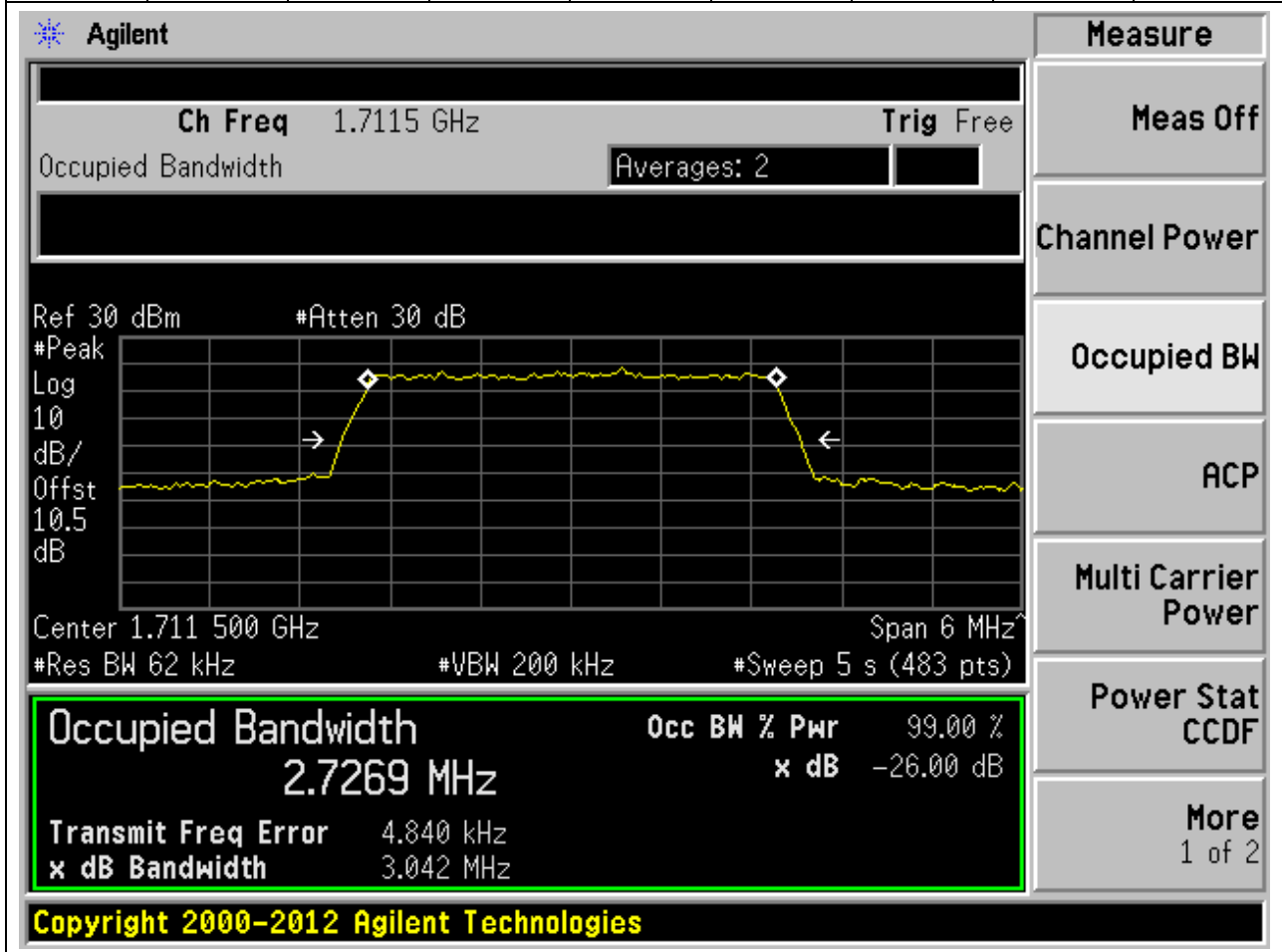
9.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:20393, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

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	1.092	1.245	1.4	Pass



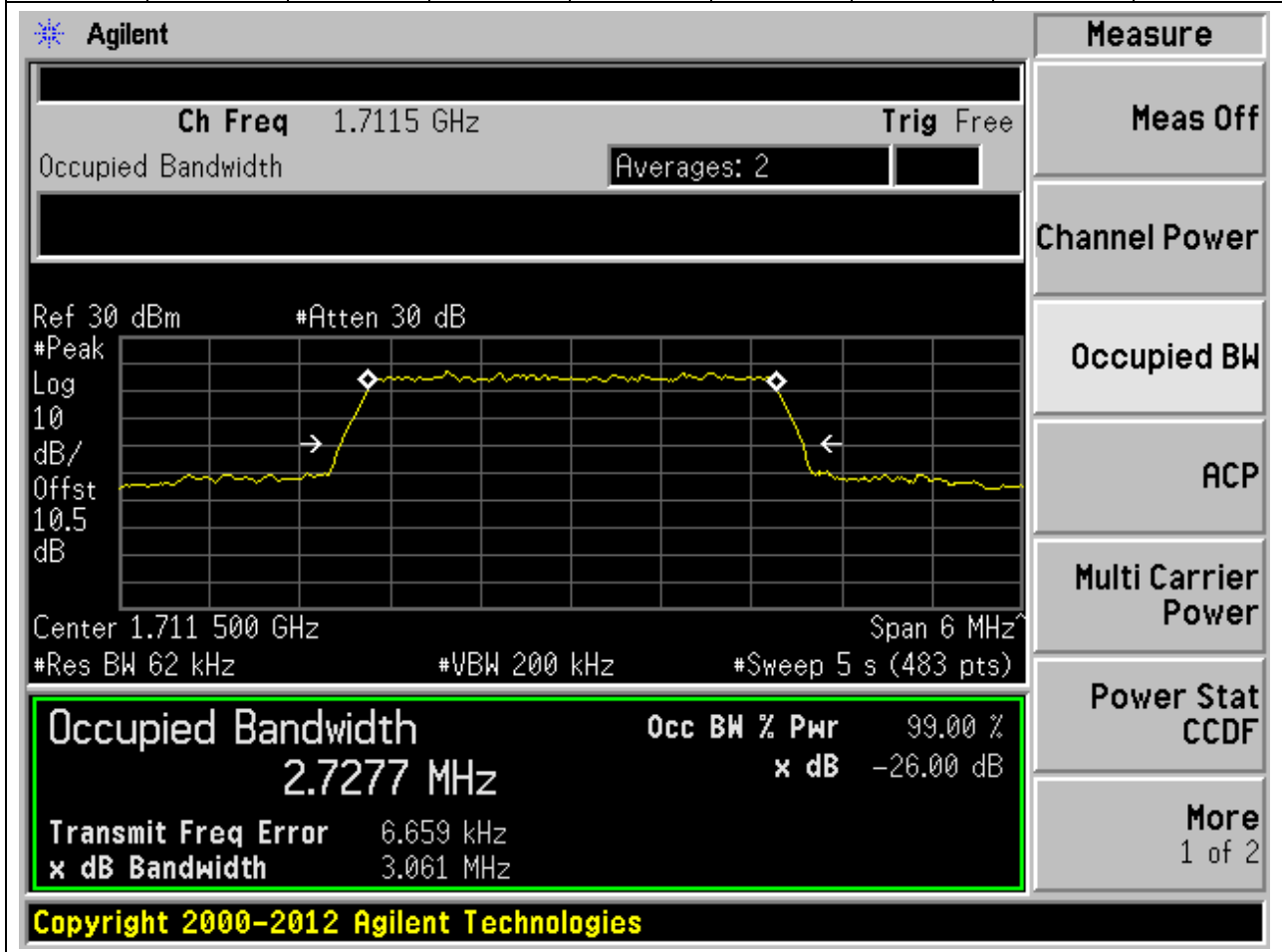
9.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:19965, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

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	2.727	3.042	3	Pass



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	2.728	3.061	3	Pass



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	2.722	3.052	3	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 6 MHz
#Res BW 62 kHz #VBW 200 kHz #Sweep 5 s (483 pts)

Occupied Bandwidth

2.7225 MHz

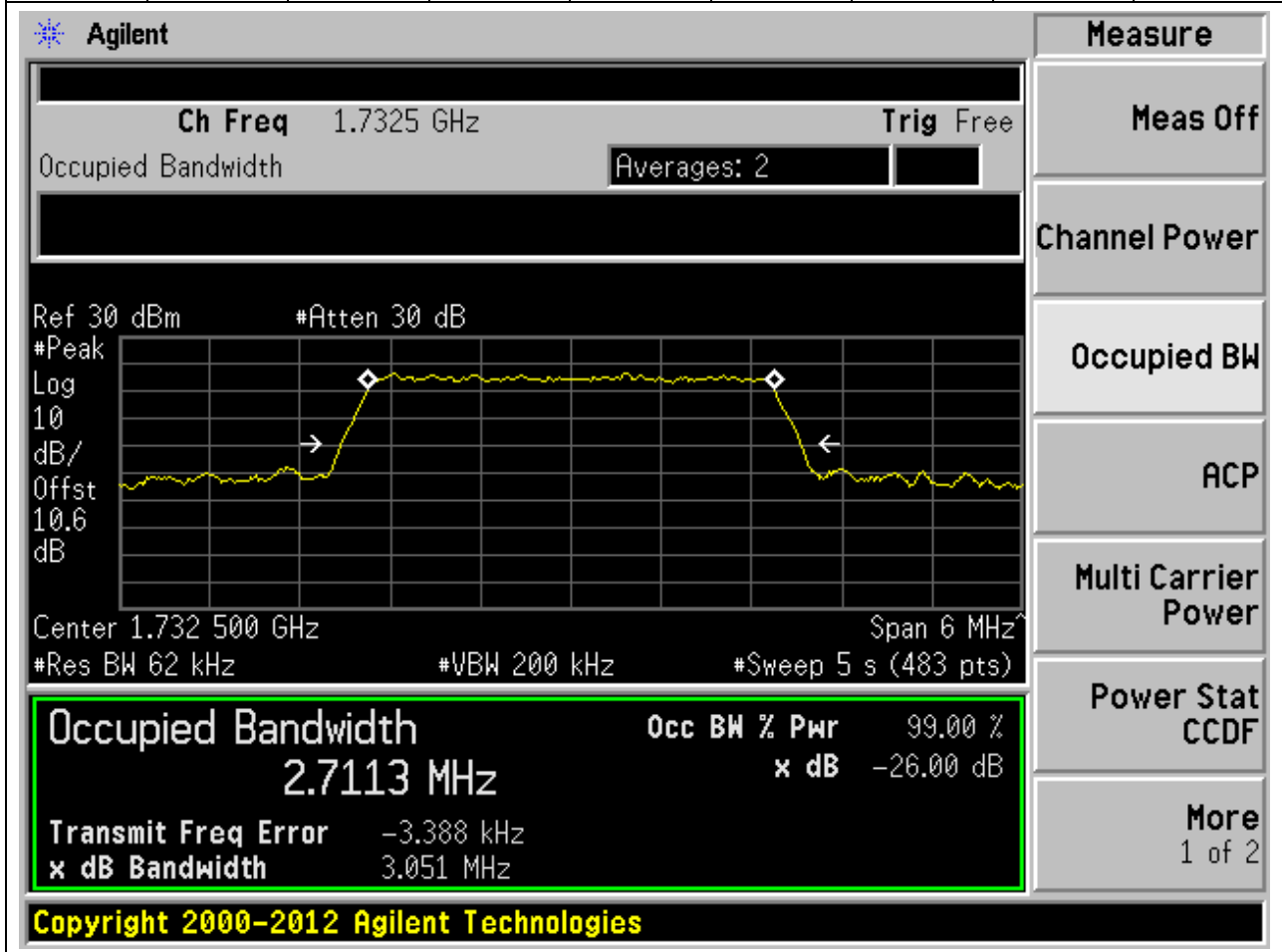
Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 2.111 kHz
x dB Bandwidth 3.052 MHz

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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	2.711	3.051	3	Pass



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	2.717	3.048	3	Pass

Agilent
Measure

Ch Freq 1.7535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.753 500 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

2.7170 MHz

Transmit Freq Error -611.377 Hz

x dB Bandwidth 3.048 MHz

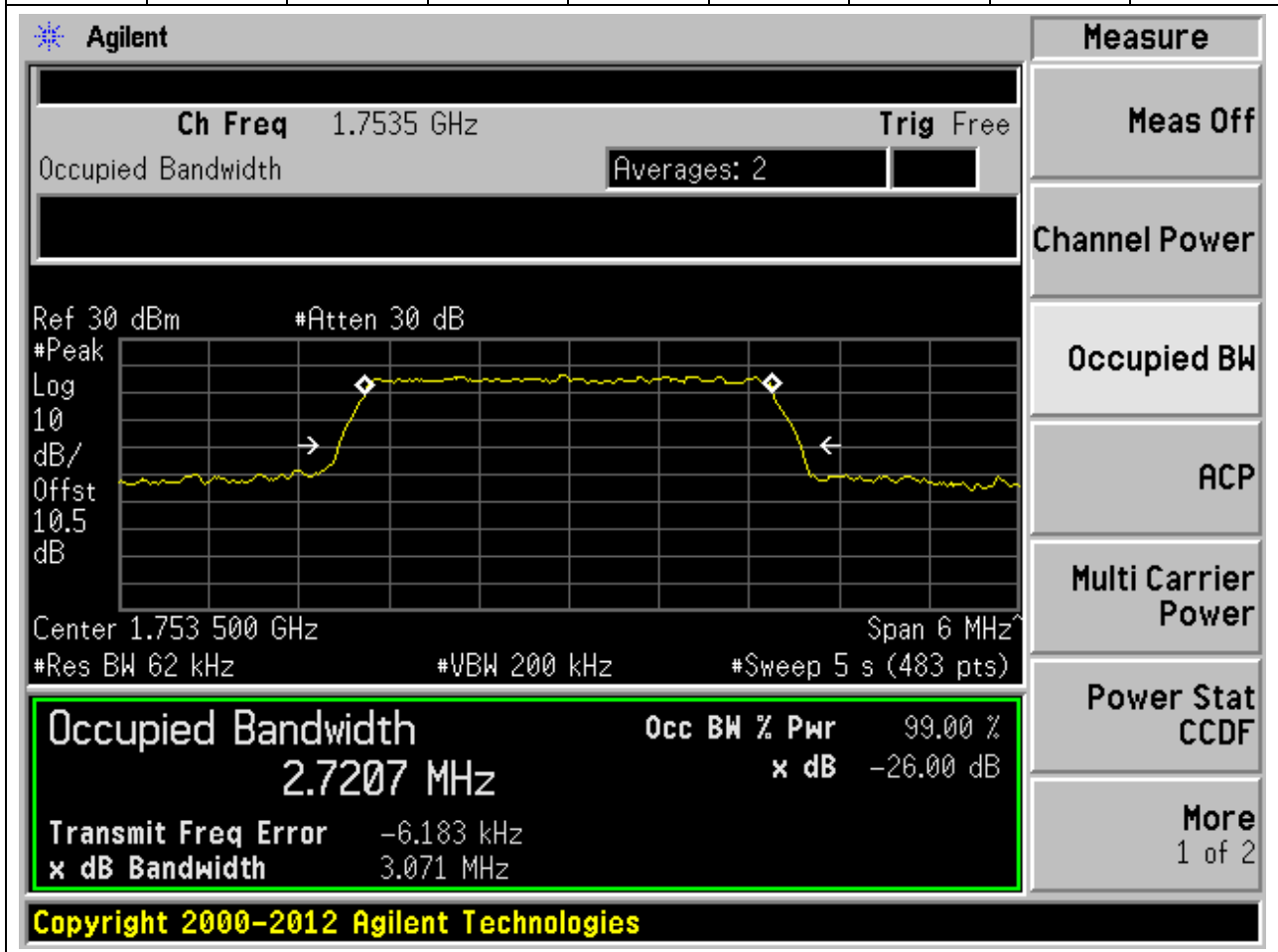
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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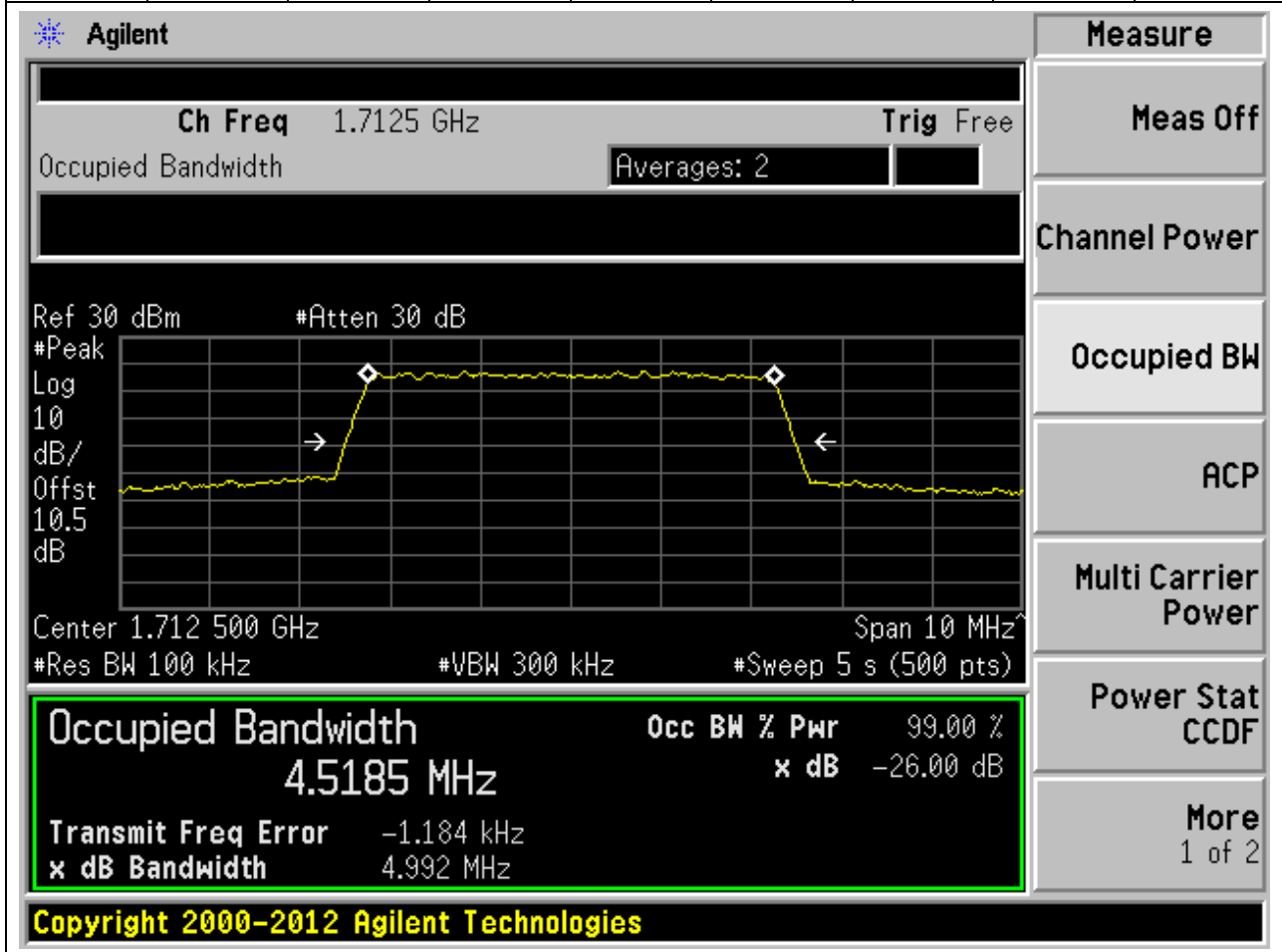
9.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:20385, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

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	2.721	3.071	3	Pass



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	4.519	4.992	5	Pass



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	4.499	4.972	5	Pass

Agilent
Measure

Ch Freq 1.7125 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 1.712 500 GHz Span 10 MHz

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

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

4.4989 MHz **x dB** -26.00 dB

Transmit Freq Error -1.553 kHz

x dB Bandwidth 4.972 MHz

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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	4.504	4.998	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 %

4.5037 MHz **x dB** -26.00 dB

Transmit Freq Error -2.804 kHz

x dB Bandwidth 4.998 MHz

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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	4.51	5.012	5	Pass

Agilent
Measure

Ch Freq 1.7325 GHz Trig Free

Occupied Bandwidth Averages: 2

Center 1.732 500 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

4.5097 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.858 kHz

x dB Bandwidth 5.012 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	4.497	4.988	5	Pass

Agilent
Measure

Ch Freq 1.7525 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 10.5 dB

Center 1.752 500 GHz Span 10 MHz

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

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

4.4969 MHz **x dB** -26.00 dB

Transmit Freq Error -6.581 kHz

x dB Bandwidth 4.988 MHz

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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	4.529	5.016	5	Pass

Agilent
Measure

Ch Freq 1.7525 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 10.5 dB

Center 1.752 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5291 MHz	x dB	-26.00 dB
Transmit Freq Error	-12.594 kHz	
x dB Bandwidth	5.016 MHz	

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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	9.003	9.916	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

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 %

9.0027 MHz

x dB -26.00 dB

Transmit Freq Error 1.749 kHz

x dB Bandwidth 9.916 MHz

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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	8.966	9.947	10	Pass

Agilent
Measure

Ch Freq 1.715 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

10.5

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 %
8.9657 MHz	x dB	-26.00 dB
Transmit Freq Error	8.408 kHz	
x dB Bandwidth	9.947 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	8.959	9.892	10	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

Center 1.732 50 GHz Span 20 MHz

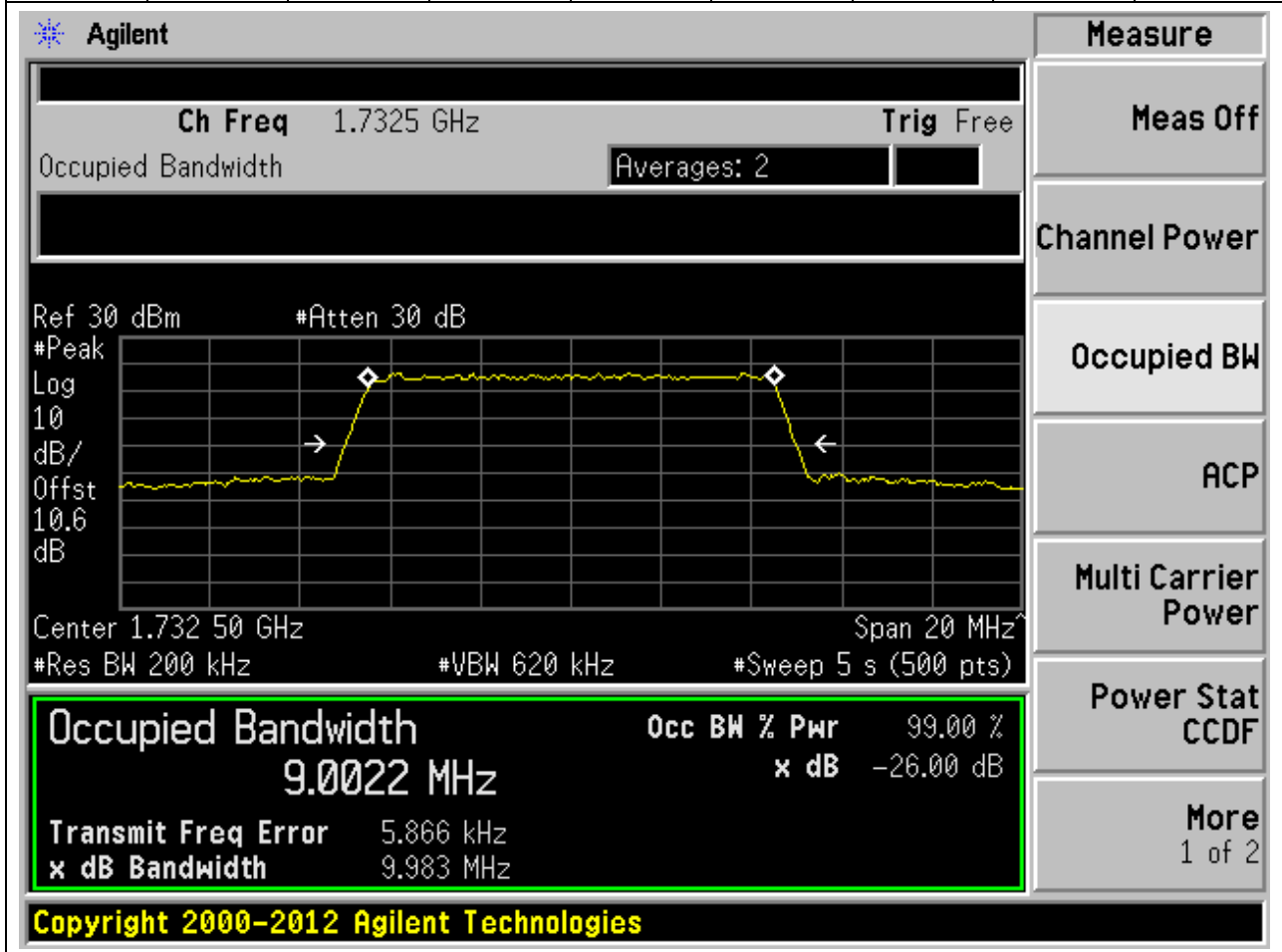
#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
	x dB	-26.00 dB
Transmit Freq Error	7.365 kHz	
x dB Bandwidth	9.892 MHz	

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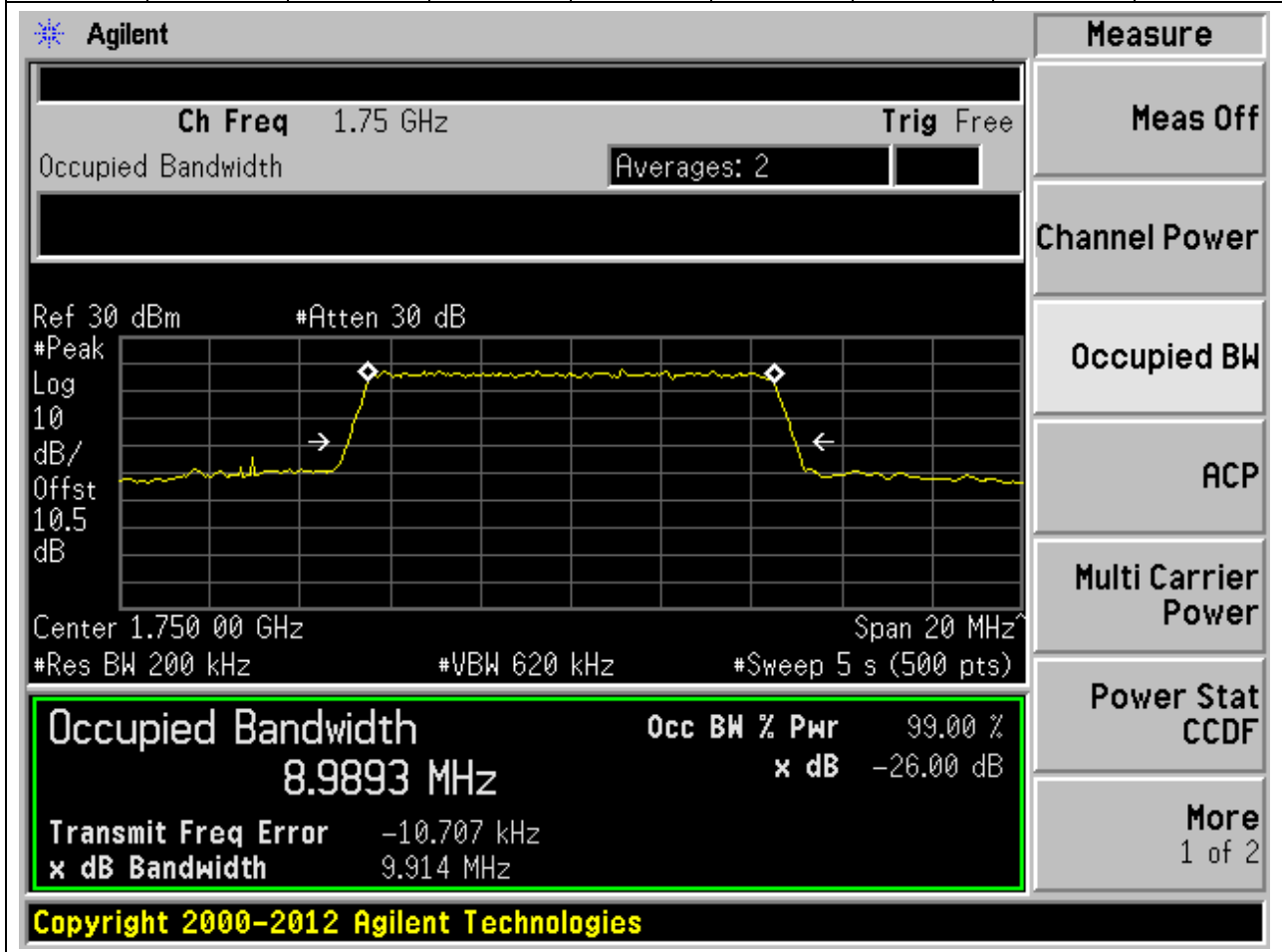
9.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:20175, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

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	9.002	9.983	10	Pass



9.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.989	9.914	10	Pass



9.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:20350, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1750	99	26	0.2	Peak	8.988	10.009	10	Pass

Agilent
Measure

Ch Freq 1.75 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 1.750 00 GHz Span 20 MHz

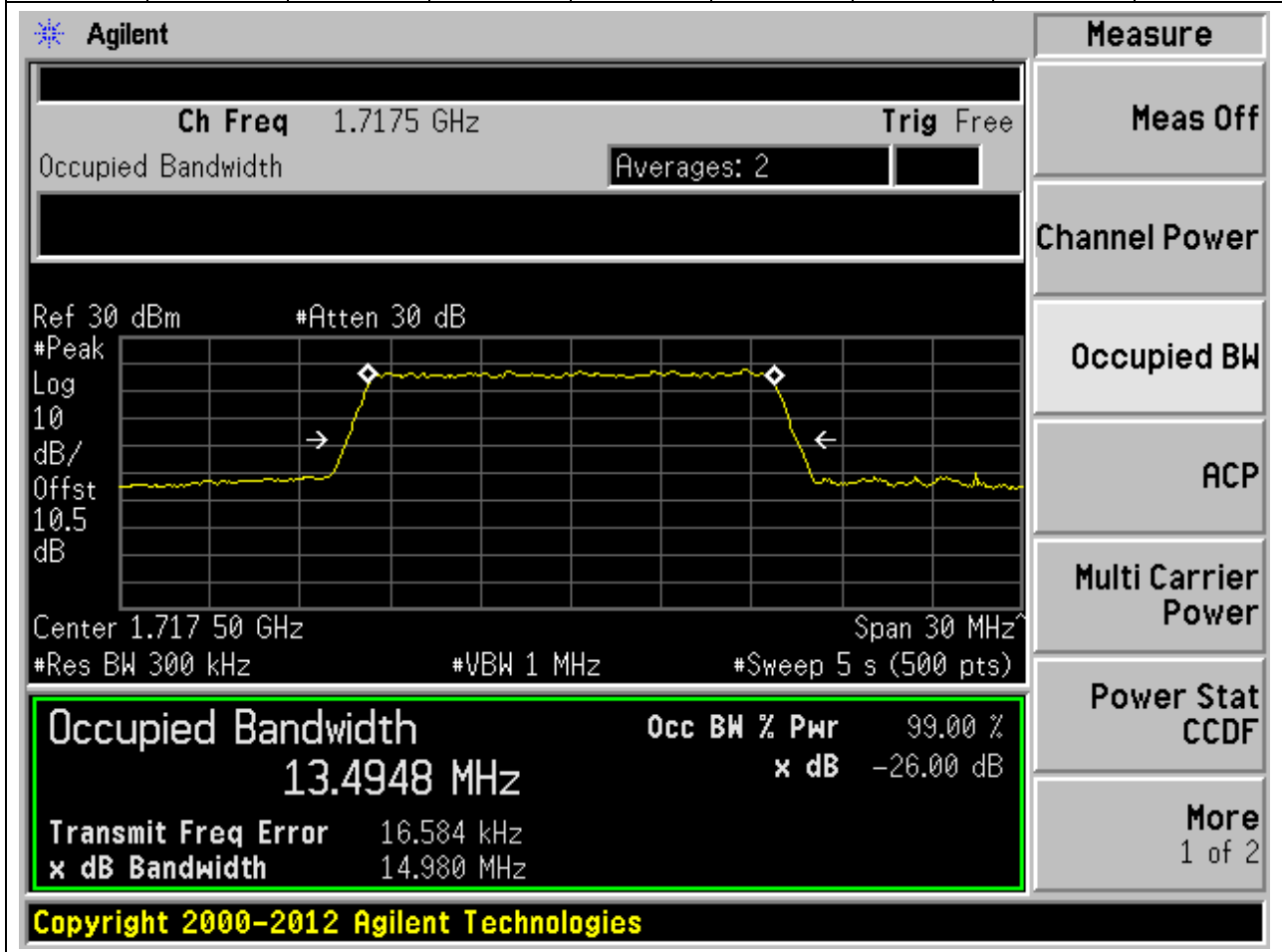
#Res BW 200 kHz #VBW 620 kHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9878 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.537 kHz	
x dB Bandwidth	10.009 MHz	

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9.25. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:25, Channel:20025, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.495	14.98	15	Pass



9.26. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:26, Channel:20025, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1717.5	99	26	0.3	Peak	13.507	14.974	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

#Peak Log 10 dB/Offst 10.5 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 %
13.5067 MHz	x dB	-26.00 dB
Transmit Freq Error	20.040 kHz	
x dB Bandwidth	14.974 MHz	

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9.27. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:27, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.436	14.953	15	Pass

Agilent
Measure

Ch Freq 1.7325 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Center 1.732 50 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

13.4356 MHz

Transmit Freq Error 3.606 kHz

x dB Bandwidth 14.953 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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9.28. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:28, Channel:20175, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.3	Peak	13.518	15.124	15	Pass

Agilent
Measure

Ch Freq 1.7325 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 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 %

13.5179 MHz **x dB** -26.00 dB

Transmit Freq Error -1.462 kHz

x dB Bandwidth 15.124 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

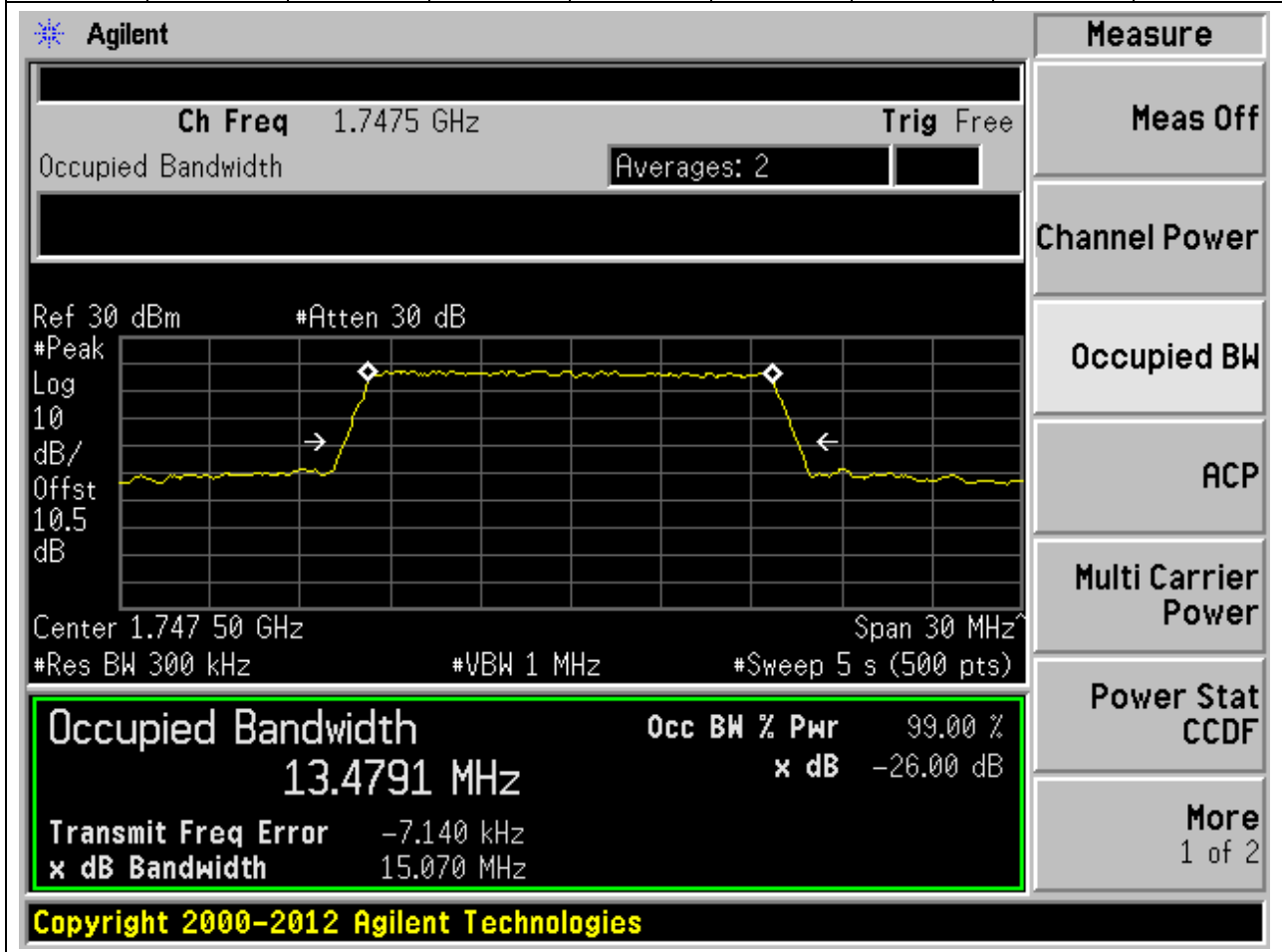
Power Stat CCDF

More
1 of 2

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9.29. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:29, Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.479	15.07	15	Pass



9.30. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:30, Channel:20325, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1747.5	99	26	0.3	Peak	13.471	15.017	15	Pass

Agilent
Measure

Ch Freq 1.7475 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 1.747 50 GHz Span 30 MHz

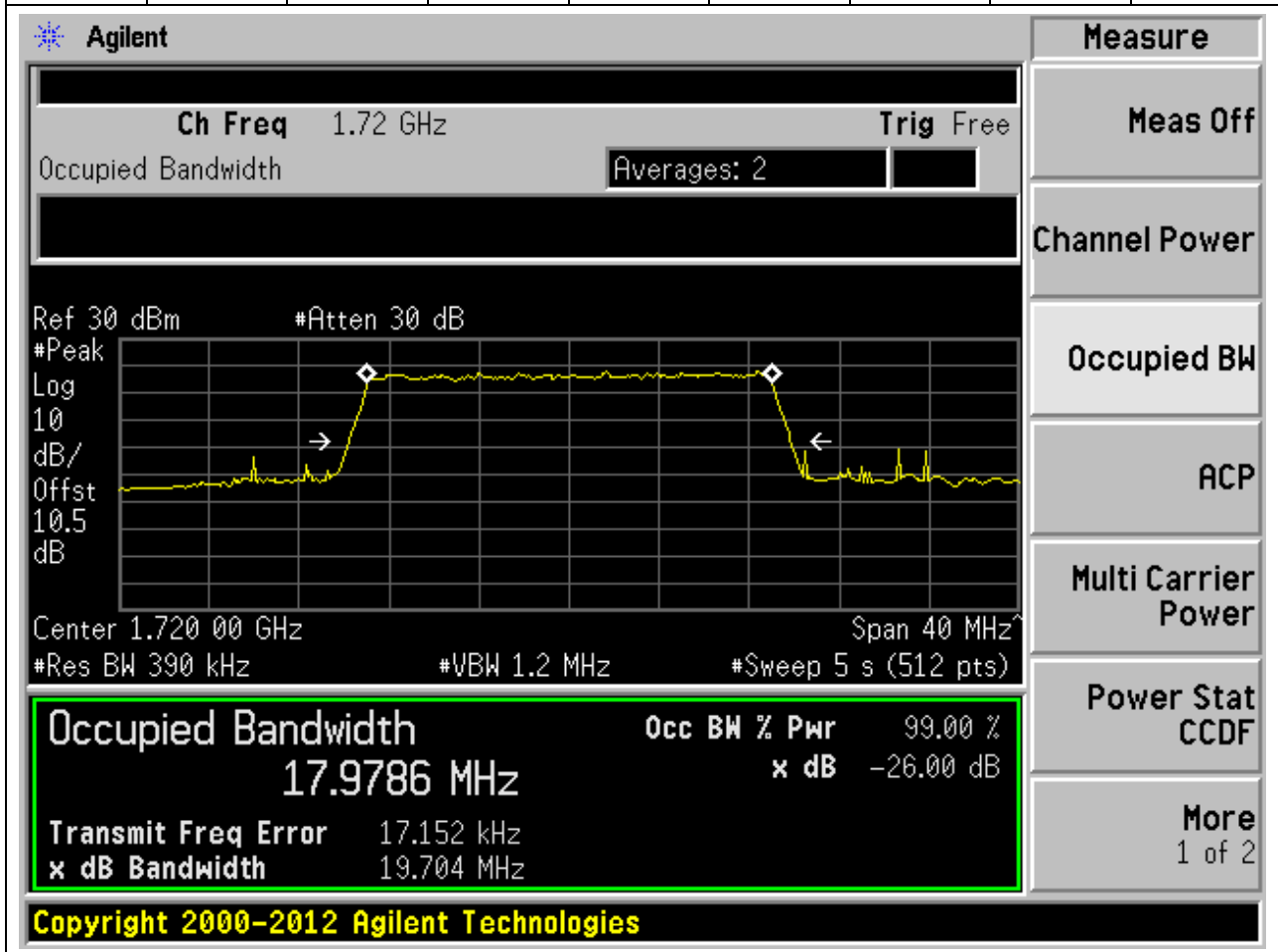
#Res BW 300 kHz #VBW 1 MHz #Sweep 5 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4708 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.668 kHz	
x dB Bandwidth	15.017 MHz	

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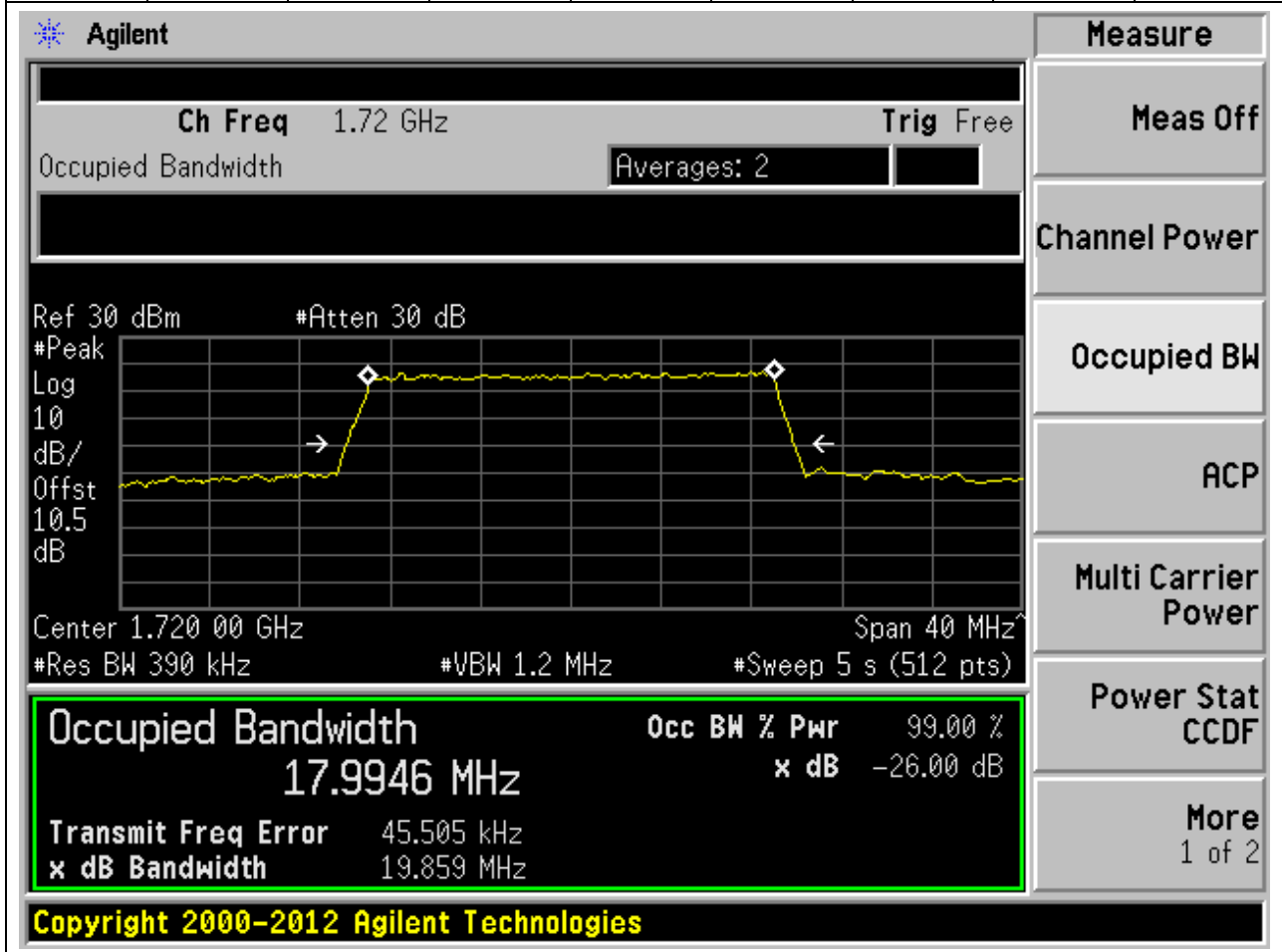
9.31. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:31, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.979	19.704	20	Pass



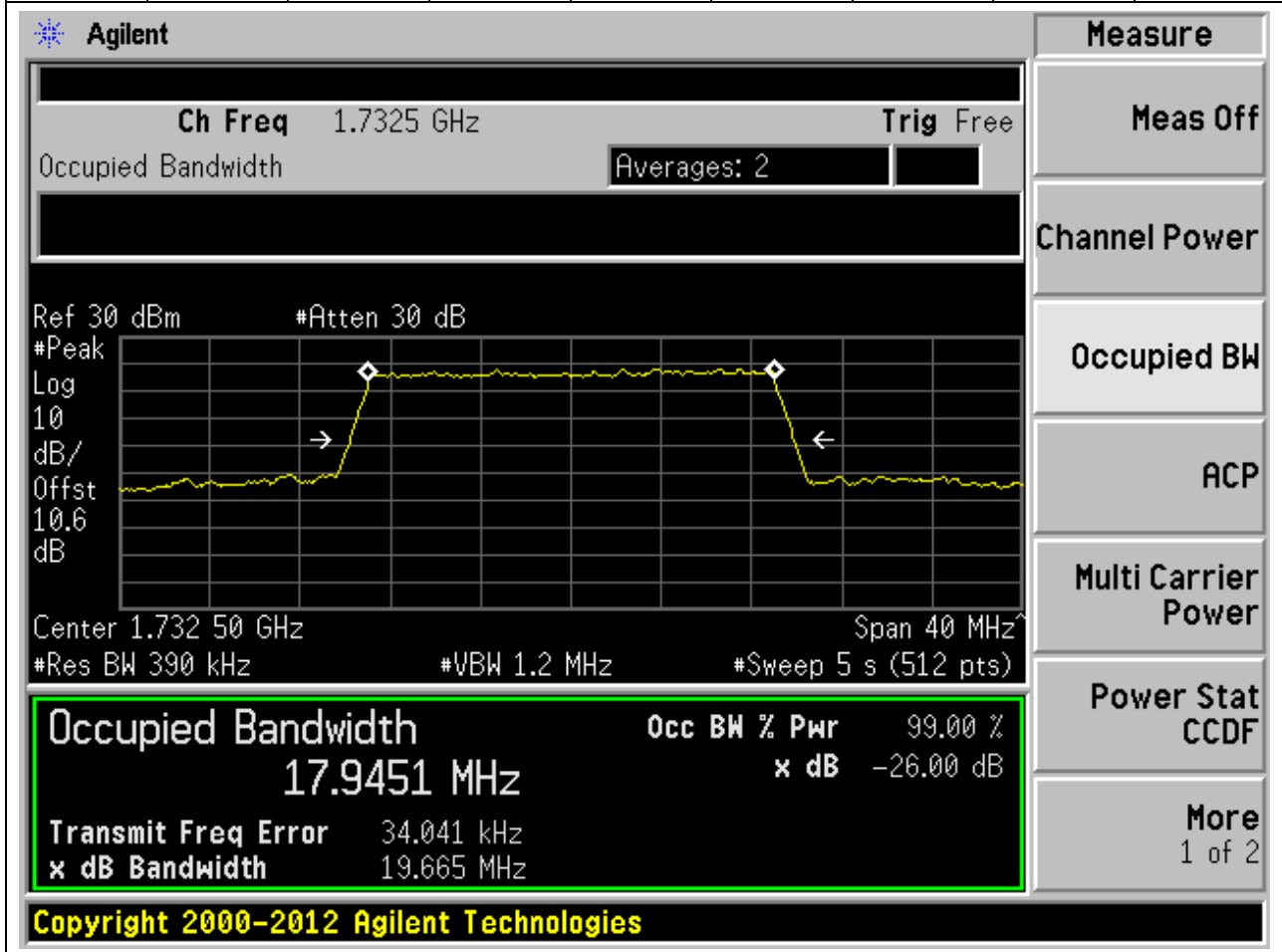
9.32. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:32, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.995	19.859	20	Pass



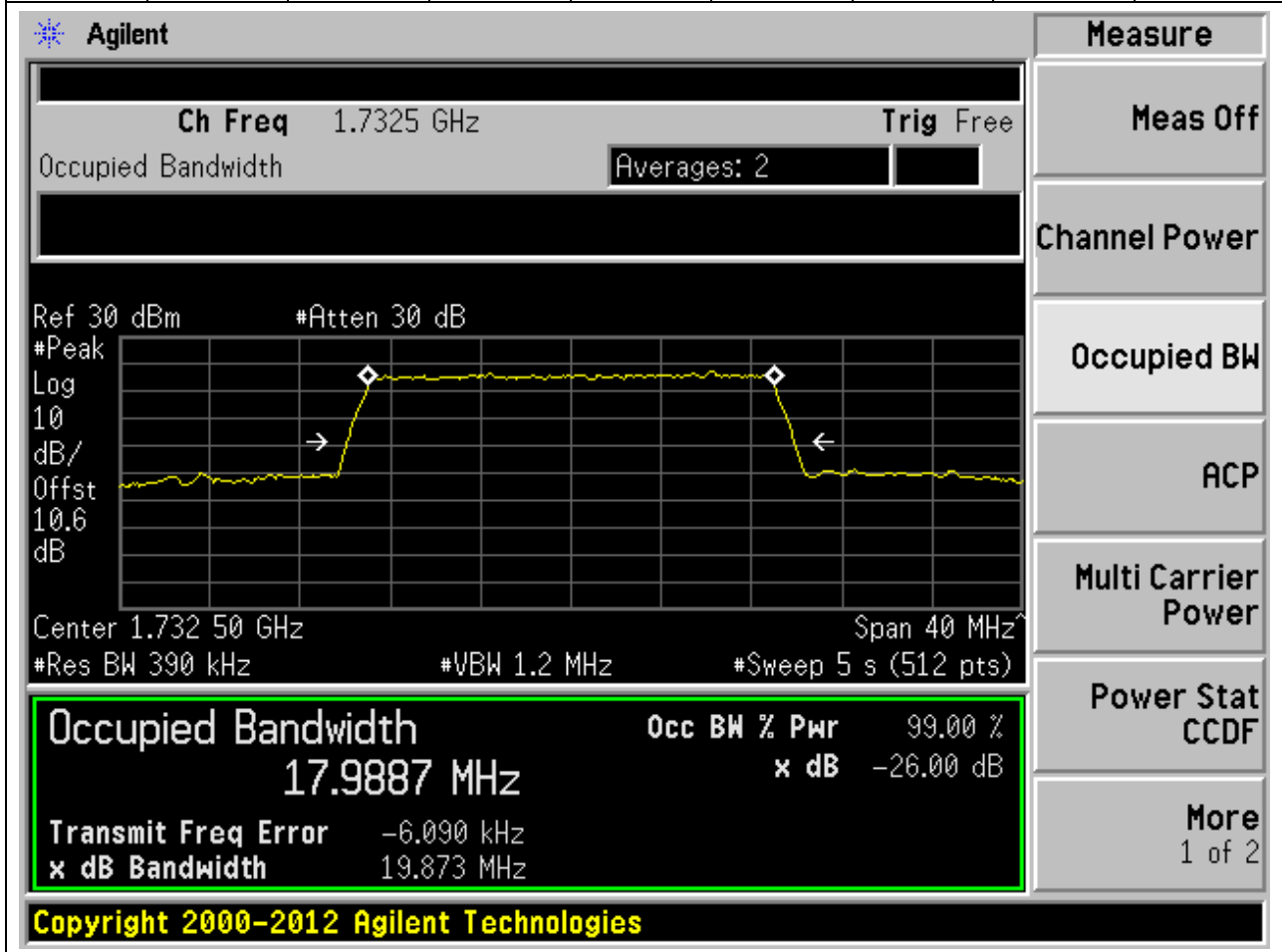
9.33. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:33, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.945	19.665	20	Pass



9.34. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:34, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1732.5	99	26	0.39	Peak	17.989	19.873	20	Pass



9.35. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:35, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	18.032	19.913	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

10.5

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 %
18.0319 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.324 kHz	
x dB Bandwidth	19.913 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

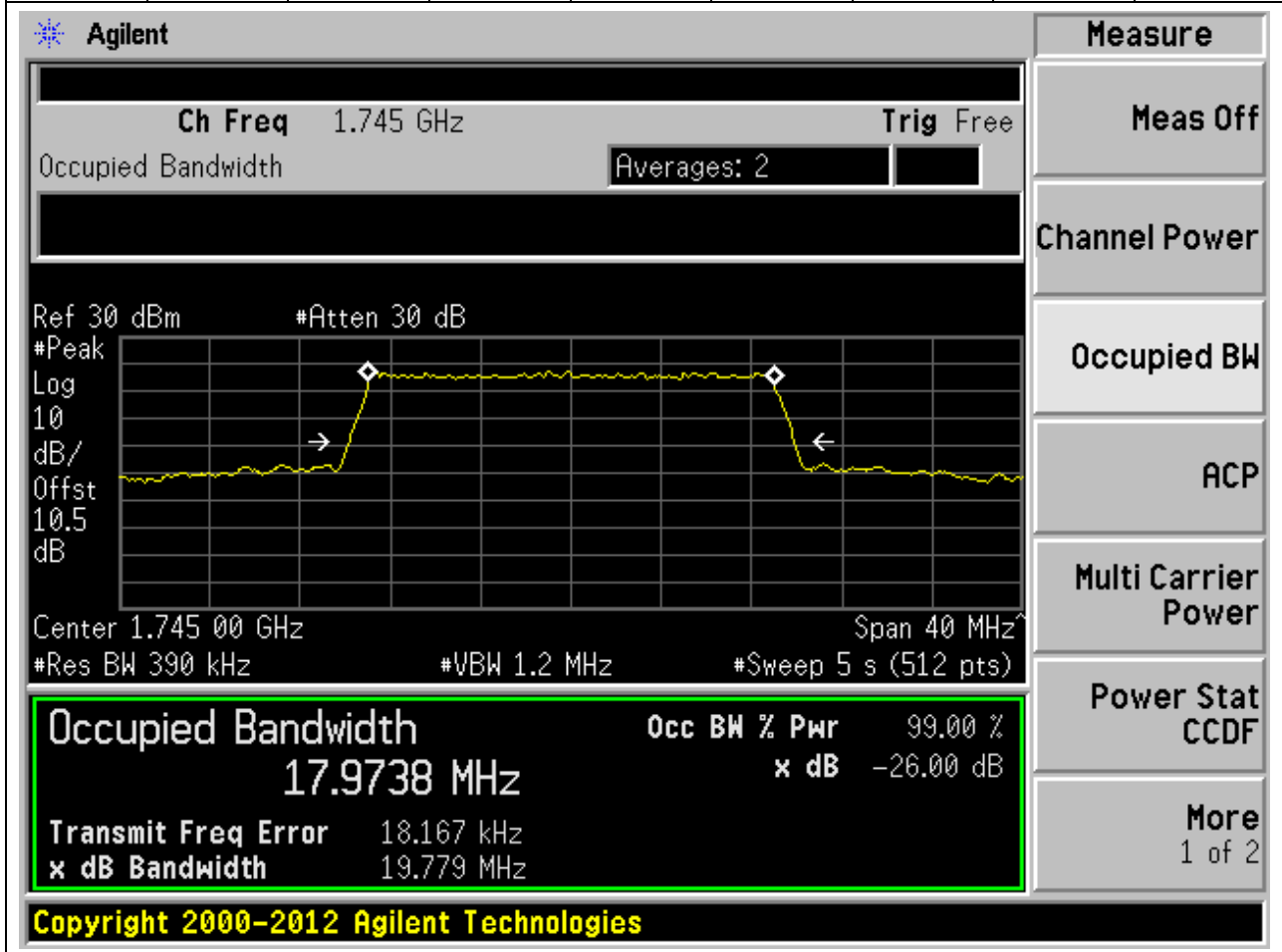
Multi Carrier Power

Power Stat CCDF

More
1 of 2

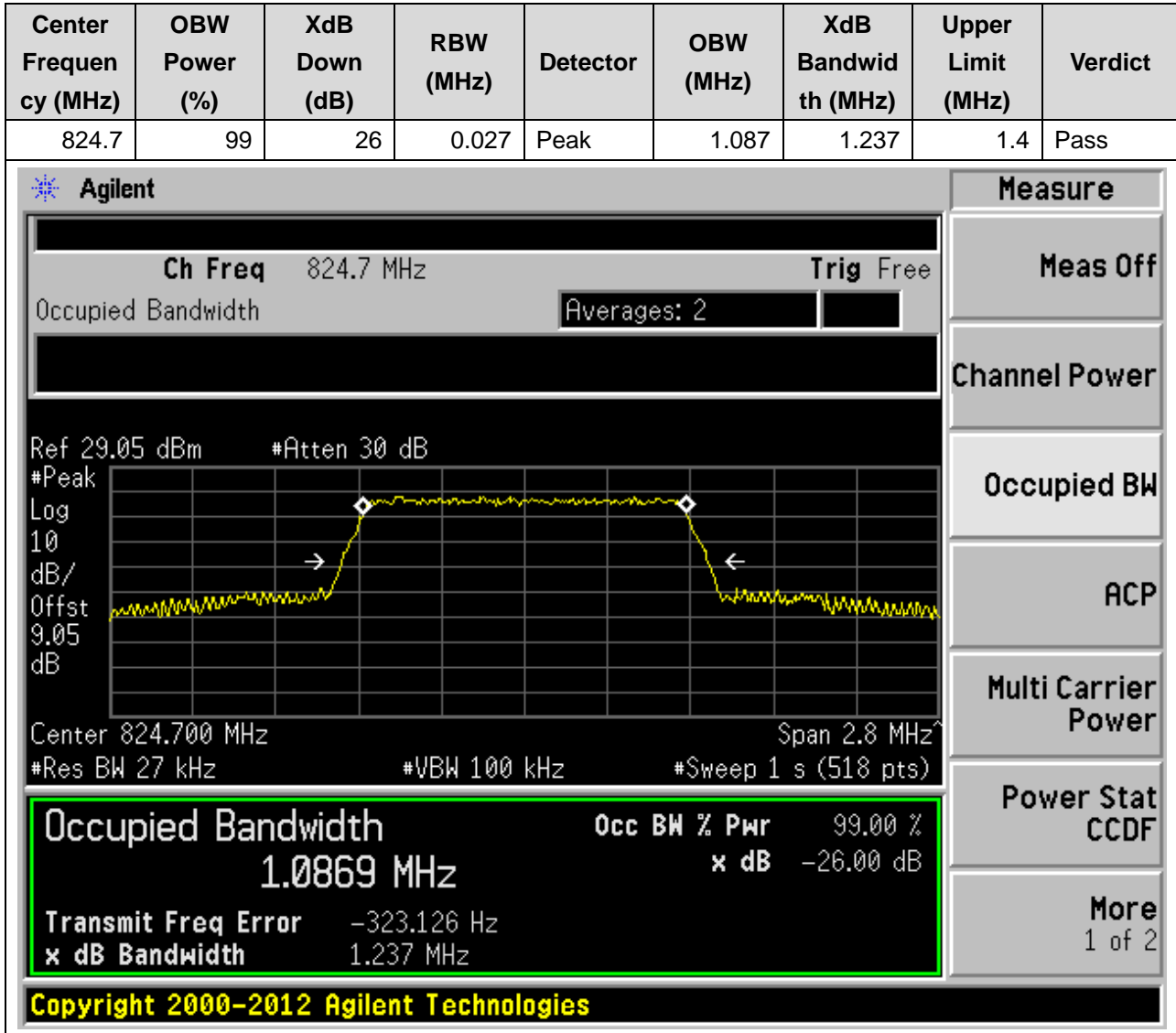
9.36. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:36, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.974	19.779	20	Pass



10. LTE_Band5

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



10.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:20407, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
824.7	99	26	0.027	Peak	1.097	1.247	1.4	Pass

Agilent

Measure

Ch Freq 824.7 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.05 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 9.05 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 %
1.0967 MHz	x dB	-26.00 dB
Transmit Freq Error	217.100 Hz	
x dB Bandwidth	1.247 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

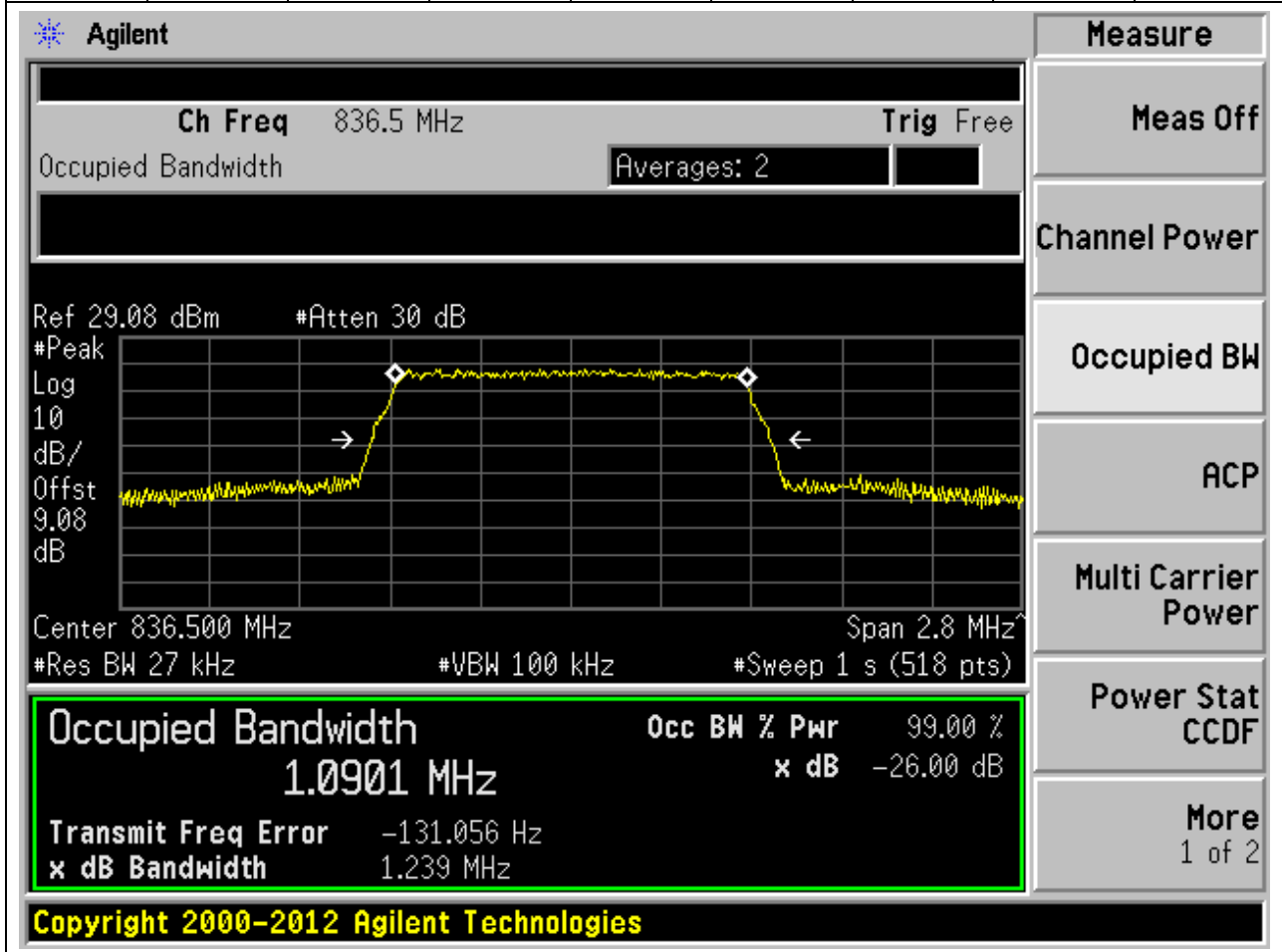
Power Stat CCDF

More

1 of 2

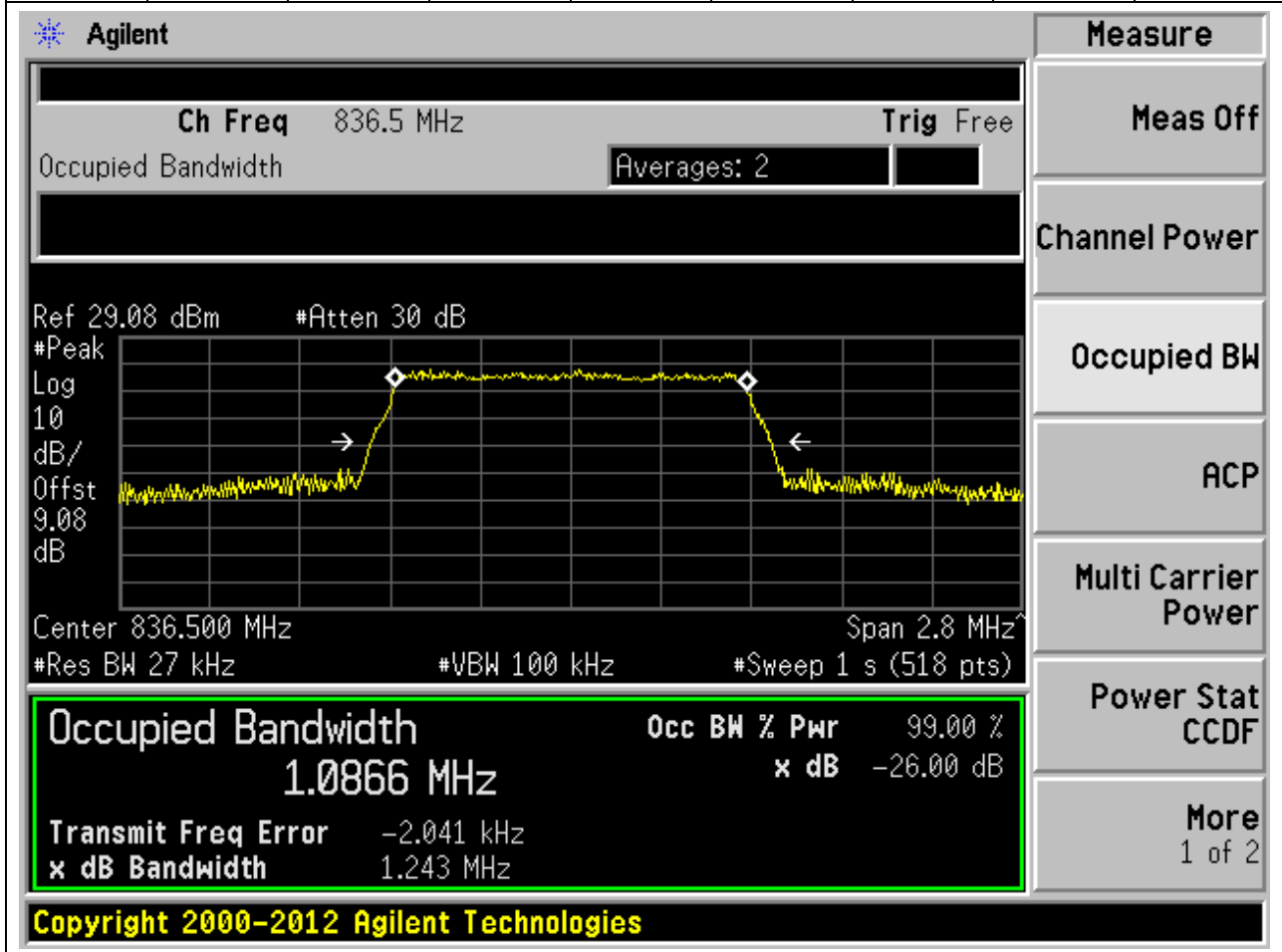
10.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:20525, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.09	1.239	1.4	Pass



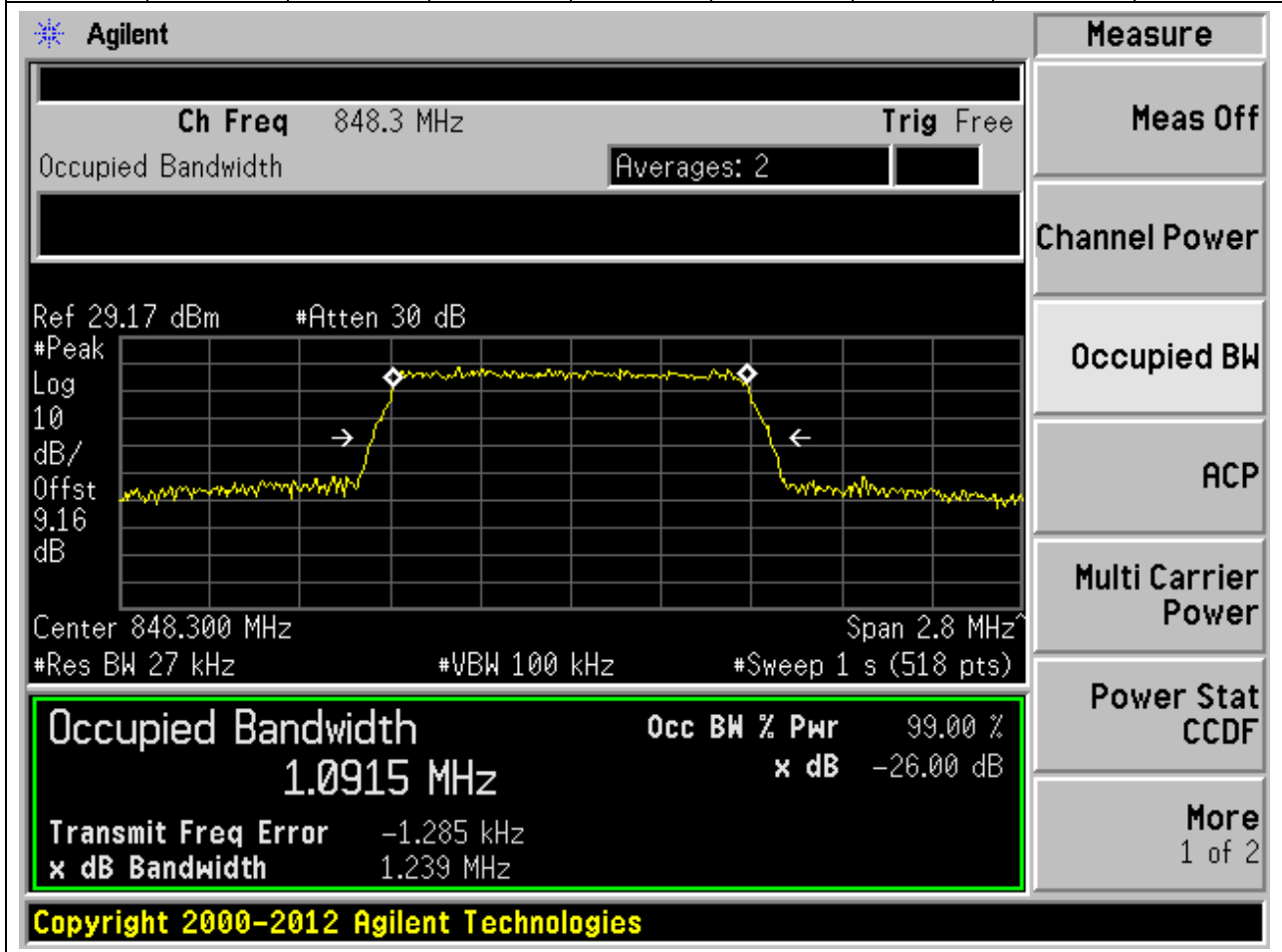
10.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:20525, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.027	Peak	1.087	1.243	1.4	Pass



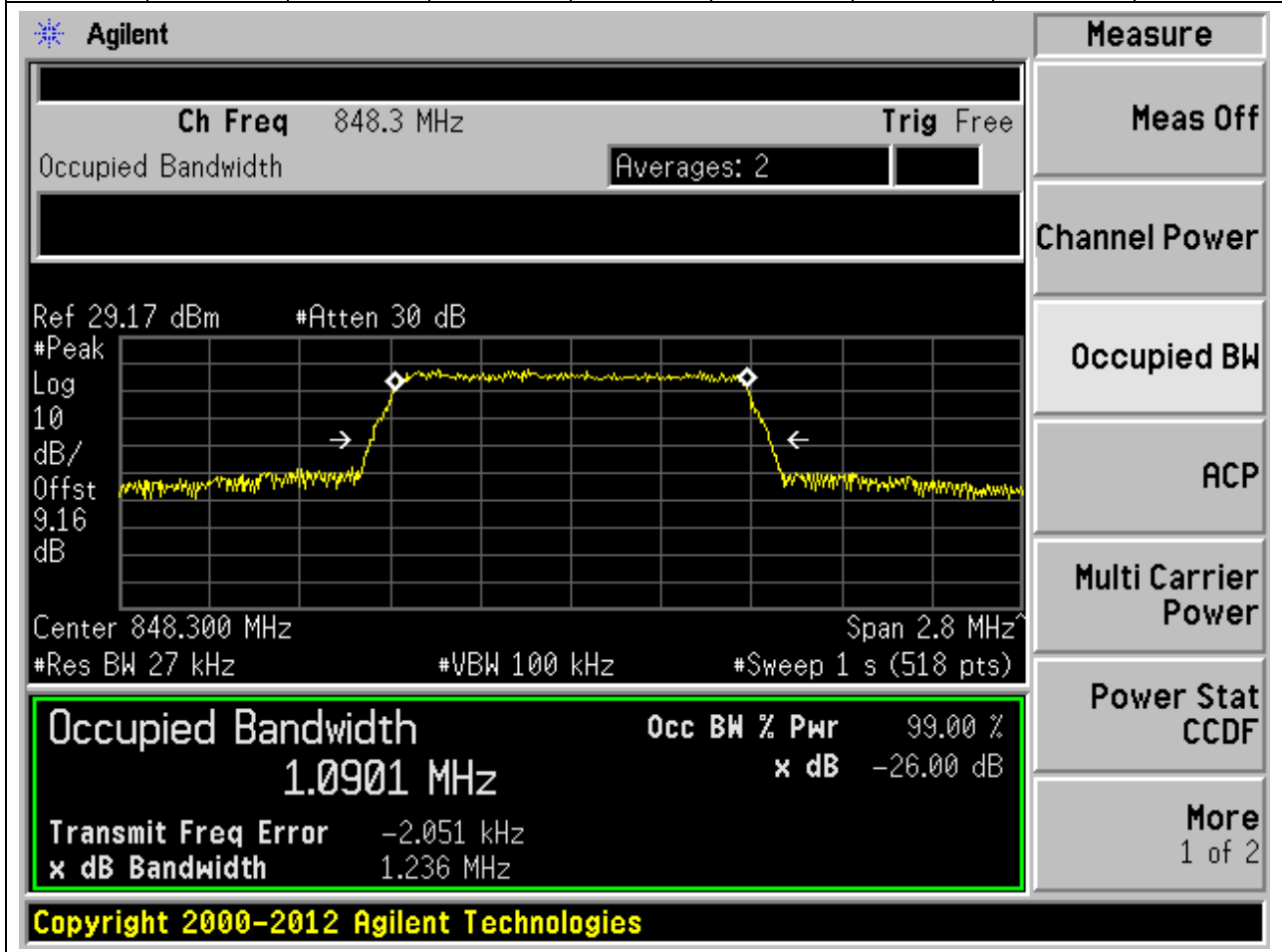
10.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:20643, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.091	1.239	1.4	Pass



10.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:20643, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.3	99	26	0.027	Peak	1.09	1.236	1.4	Pass



10.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:20415, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.712	3.028	3	Pass

Agilent

Measure

Ch Freq 825.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.05 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.05 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 %
2.7115 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.619 kHz	
x dB Bandwidth	3.028 MHz	

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10.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:20415, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
825.5	99	26	0.062	Peak	2.711	3.042	3	Pass

Agilent

Measure

Ch Freq 825.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.05 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.05

dB

Center 825.500 MHz Span 6 MHz

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

Channel Power

Occupied Bandwidth

2.7114 MHz

Transmit Freq Error -1.890 kHz

x dB Bandwidth 3.042 MHz

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:20525, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.706	3.034	3	Pass

Agilent

Measure

Ch Freq 836.5 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 29.08 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst 9.08

dB

Center 836.500 MHz Span 6 MHz

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

Occupied Bandwidth

2.7057 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.975 kHz

x dB Bandwidth 3.034 MHz

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10.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:20525, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.062	Peak	2.707	3.029	3	Pass

Agilent

Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB

Center 836.500 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

2.7073 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -4.748 kHz

x dB Bandwidth 3.029 MHz

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10.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:20635, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.705	3.039	3	Pass

Agilent
Measure

Ch Freq 847.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.16 dBm #Atten 30 dB

#Peak

Log 10

dB/Offst 9.16 dB

Center 847.500 MHz Span 6 MHz

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

Measure

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7053 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.514 kHz	
x dB Bandwidth	3.039 MHz	

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10.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:20635, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
847.5	99	26	0.062	Peak	2.71	3.048	3	Pass

Agilent

Measure

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

Center 847.500 MHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

2.7097 MHz

Transmit Freq Error -8.362 kHz

x dB Bandwidth 3.048 MHz

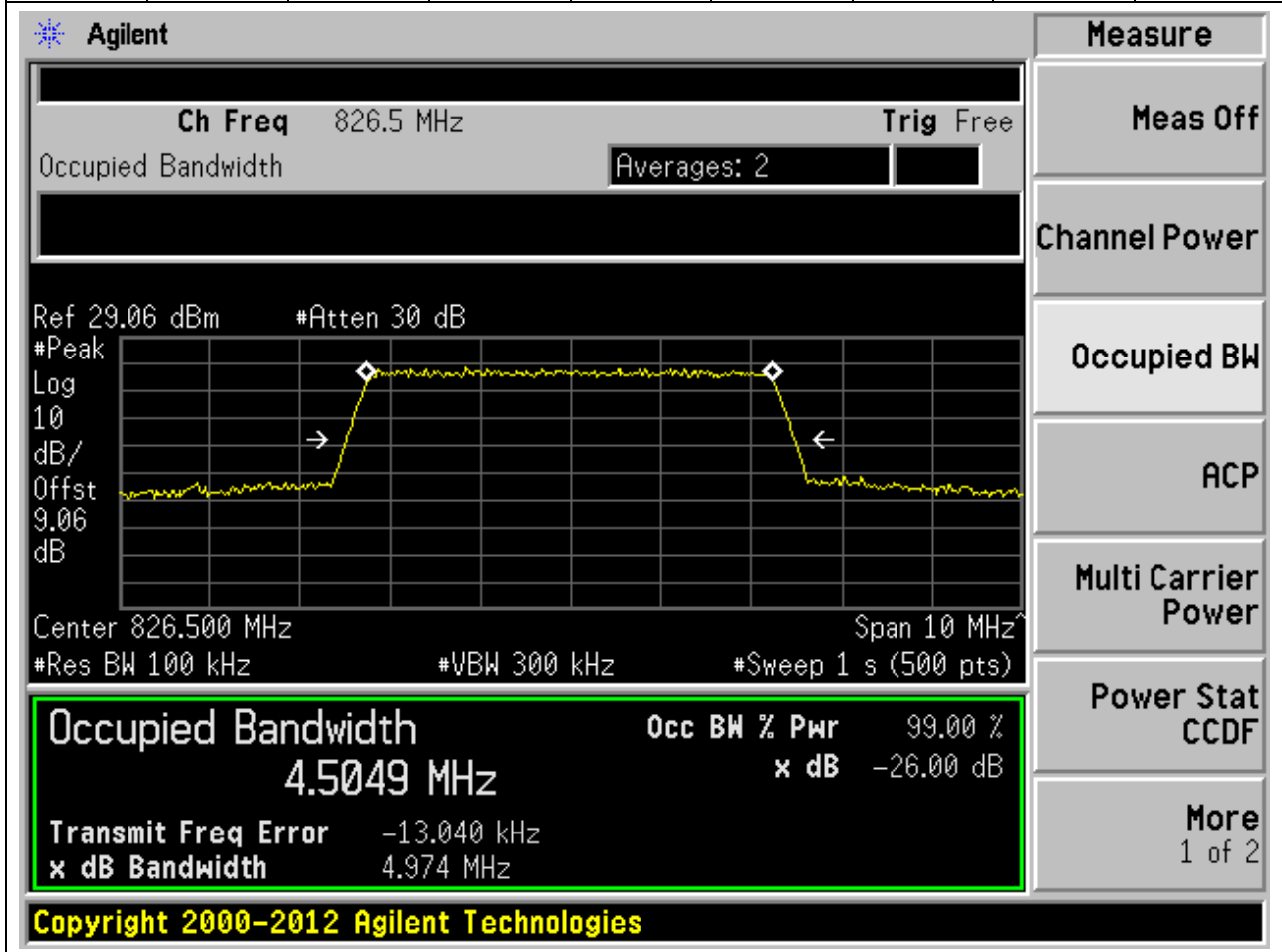
Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:20425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.505	4.974	5	Pass



10.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:20425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
826.5	99	26	0.1	Peak	4.499	4.968	5	Pass

Agilent
Measure

Ch Freq 826.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.06 dBm #Atten 30 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 %

4.4987 MHz **x dB** -26.00 dB

Transmit Freq Error -5.448 kHz

x dB Bandwidth 4.968 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:20525, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.499	4.974	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.08 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 %

4.4988 MHz **x dB** -26.00 dB

Transmit Freq Error -6.954 kHz

x dB Bandwidth 4.974 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.16. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:20525, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.1	Peak	4.51	4.983	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.08 dB

Center 836.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

4.5102 MHz

Transmit Freq Error -7.947 kHz

x dB Bandwidth 4.983 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:20625, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
846.5	99	26	0.1	Peak	4.487	4.934	5	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 846.5 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 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 4.4865 MHz', 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -7.929 kHz', and 'x dB Bandwidth 4.934 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.

10.18. 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	4.503	4.976	5	Pass

Agilent
Measure

Ch Freq 846.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.15 dBm #Atten 30 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 %

4.5034 MHz **x dB** -26.00 dB

Transmit Freq Error -15.958 kHz

x dB Bandwidth 4.976 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.979	9.914	10	Pass

Agilent
Measure

Ch Freq 829 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB

Center 829.00 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

8.9791 MHz

Occ BW % Pwr

99.00 %

x dB

-26.00 dB

Transmit Freq Error 3.308 kHz

x dB Bandwidth 9.914 MHz

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10.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
829	99	26	0.2	Peak	8.988	9.929	10	Pass

Agilent
Measure

Ch Freq 829 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.08 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz

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

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

8.9876 MHz **x dB** -26.00 dB

Transmit Freq Error 6.750 kHz

x dB Bandwidth 9.929 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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10.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.961	9.893	10	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB

Center 836.50 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

8.9615 MHz

Transmit Freq Error -3.481 kHz

x dB Bandwidth 9.893 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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10.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.5	99	26	0.2	Peak	8.987	9.945	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 29.08 dBm #Atten 30 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 %
8.9871 MHz	x dB	-26.00 dB
Transmit Freq Error	-5.071 kHz	
x dB Bandwidth	9.945 MHz	

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10.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.979	9.917	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 29.12 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 %
8.9792 MHz	x dB -26.00 dB
Transmit Freq Error -20.528 kHz	
x dB Bandwidth 9.917 MHz	

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10.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
844	99	26	0.2	Peak	8.965	9.914	10	Pass

Agilent

Measure

Ch Freq 844 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.12 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 9.12 dB

Center 844.00 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

8.9648 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

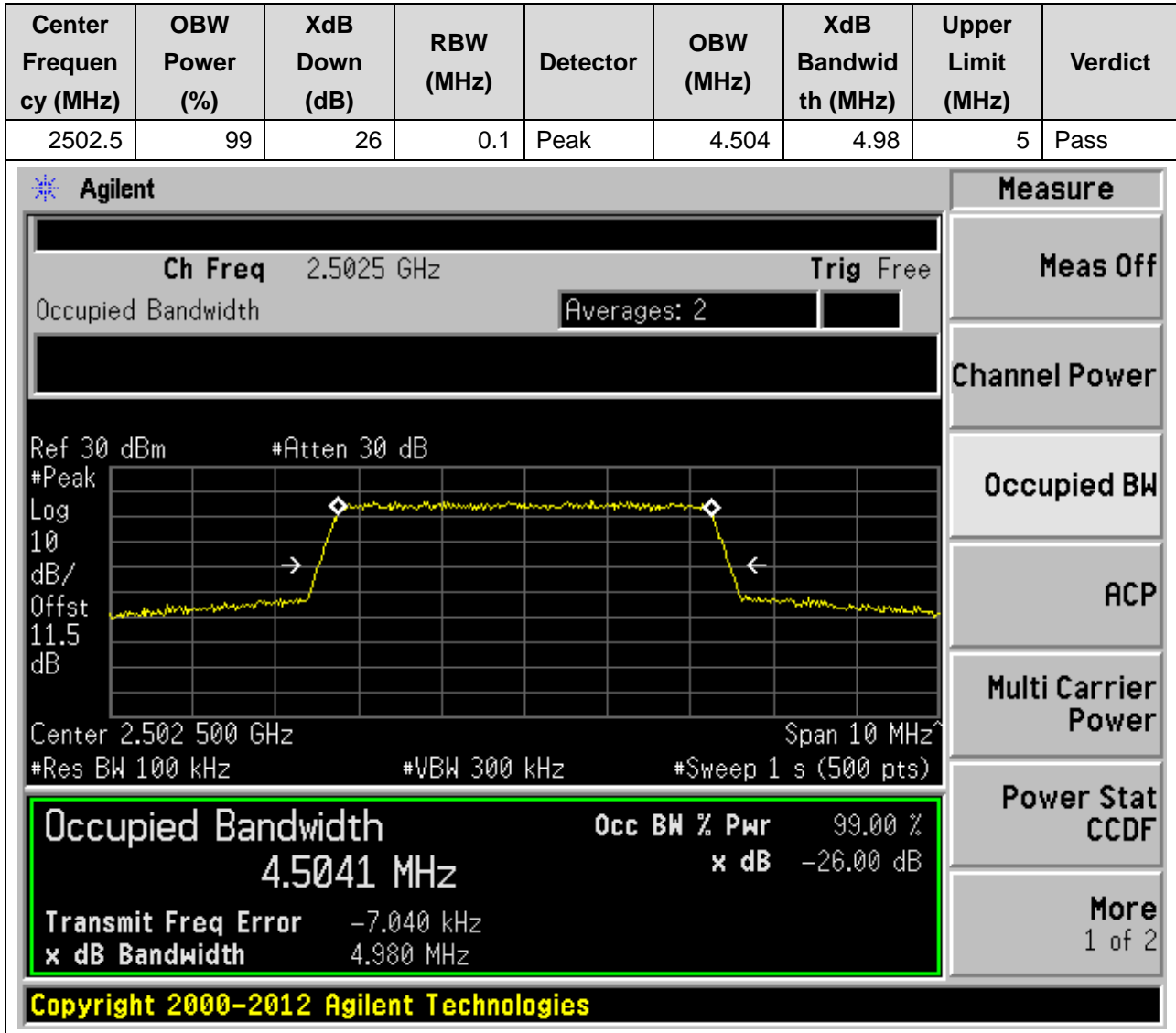
Transmit Freq Error -18.495 kHz

x dB Bandwidth 9.914 MHz

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11. LTE_Band7

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



11.2. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2502.5	99	26	0.1	Peak	4.495	4.961	5	Pass

Agilent

Measure

Ch Freq 2.5025 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

11.5

dB

Center 2.502 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4954 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.529 kHz	
x dB Bandwidth	4.961 MHz	

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11.3. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.498	4.974	5	Pass

Agilent
Measure

Ch Freq 2.535 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 2.535 000 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 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 %

4.4984 MHz **x dB** -26.00 dB

Transmit Freq Error -6.792 kHz

x dB Bandwidth 4.974 MHz

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11.4. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.1	Peak	4.513	4.976	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 11.5 dB

Center 2.535 000 GHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth

4.5128 MHz

Transmit Freq Error -9.916 kHz

x dB Bandwidth 4.976 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.5. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.498	4.971	5	Pass

Agilent
Measure

Ch Freq 2.5675 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 2.567 500 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 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 %

4.4977 MHz **x dB** -26.00 dB

Transmit Freq Error -4.470 kHz

x dB Bandwidth 4.971 MHz

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11.6. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2567.5	99	26	0.1	Peak	4.506	4.99	5	Pass

Agilent

Measure

Ch Freq 2.5675 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB
#Peak Log 10 dB/Offst 11.9 dB
Center 2.567 500 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

4.5060 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -7.053 kHz

x dB Bandwidth 4.990 MHz

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11.7. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:7, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.982	9.912	10	Pass

Agilent
Measure

Ch Freq 2.505 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.5

dB

Center 2.505 00 GHz
Span 20 MHz

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

Occupied Bandwidth

8.9820 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error

4.212 kHz

x dB Bandwidth

9.912 MHz

More

1 of 2

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11.8. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2505	99	26	0.2	Peak	8.981	9.927	10	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 2.505 GHz and a span of 20 MHz. The vertical axis is labeled 'dB/Offst' with a reference of 30 dB and an offset of 11.5 dB. The horizontal axis is labeled 'Span 20 MHz'. The plot shows a signal with a peak at approximately 2.505 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9809 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 9.333 kHz and the 'x dB Bandwidth' is 9.927 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom of the screen.

Occupied Bandwidth	Occ BW % Pwr	x dB
8.9809 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 9.333 kHz
x dB Bandwidth: 9.927 MHz

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11.9. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:9, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.955	9.86	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
11.5

dB

Center 2.535 00 GHz
Span 20 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

8.9553 MHz
x dB -26.00 dB

Transmit Freq Error -3.832 kHz

x dB Bandwidth 9.860 MHz

Power Stat
CCDF

More
1 of 2

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11.10. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:10, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.2	Peak	8.978	9.945	10	Pass

Agilent
Measure

Ch Freq 2.535 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 2.535 00 GHz Span 20 MHz

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

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

8.9780 MHz **x dB** -26.00 dB

Transmit Freq Error 4.103 kHz

x dB Bandwidth 9.945 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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11.11. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:11, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.992	9.926	10	Pass

Agilent
Measure

Ch Freq 2.565 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 2.565 00 GHz 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 %

8.9915 MHz **x dB** -26.00 dB

Transmit Freq Error -4.292 kHz

x dB Bandwidth 9.926 MHz

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11.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2565	99	26	0.2	Peak	8.987	9.94	10	Pass

Agilent

Measure

Ch Freq 2.565 GHz Trig Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.565 00 GHz Span 20 MHz

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

Occupied Bandwidth

8.9866 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -4.835 kHz

x dB Bandwidth 9.940 MHz

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11.13. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:13, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.476	14.922	15	Pass

Agilent
Measure

Ch Freq 2.5075 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

13.4760 MHz **x dB** -26.00 dB

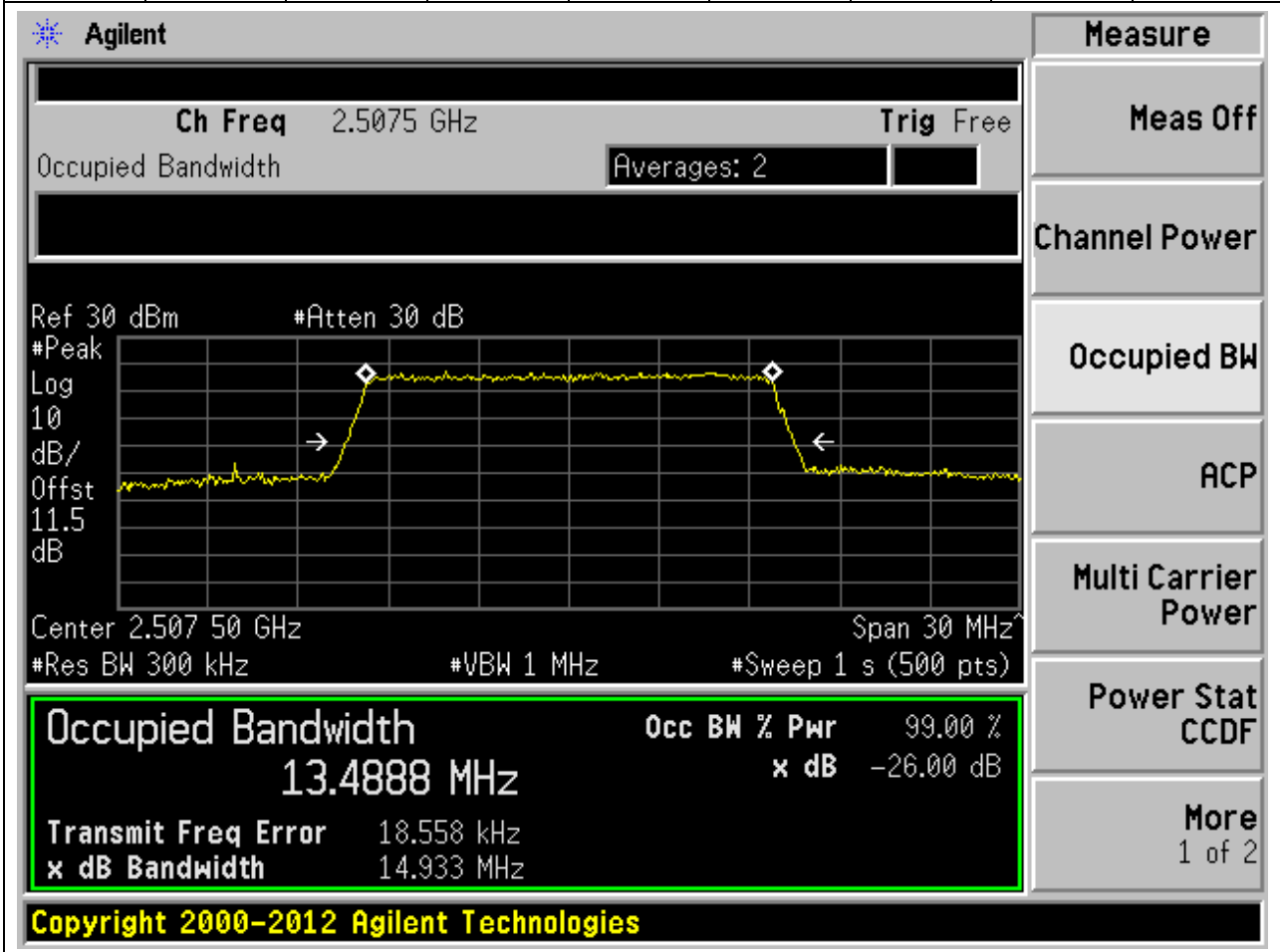
Transmit Freq Error 8.576 kHz

x dB Bandwidth 14.922 MHz

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11.14. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:14, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2507.5	99	26	0.3	Peak	13.489	14.933	15	Pass



11.15. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:15, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.431	14.847	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

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 %

13.4307 MHz **x dB** -26.00 dB

Transmit Freq Error -4.601 kHz

x dB Bandwidth 14.847 MHz

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11.16. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:16, Channel:21100, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.3	Peak	13.49	14.987	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

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 %

13.4896 MHz **x dB** -26.00 dB

Transmit Freq Error -8.344 kHz

x dB Bandwidth 14.987 MHz

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11.17. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:17, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.454	15.075	15	Pass

Agilent
Measure

Ch Freq 2.5625 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 11.8 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 %

13.4542 MHz **x dB** -26.00 dB

Transmit Freq Error -10.352 kHz

x dB Bandwidth 15.075 MHz

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11.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:21375, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2562.5	99	26	0.3	Peak	13.489	14.928	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 2.56250 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4890 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.862 kHz	
x dB Bandwidth	14.928 MHz	

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11.19. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:19, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.984	19.656	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 11.4 dB

Center 2.510 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

17.9835 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 21.101 kHz

x dB Bandwidth 19.656 MHz

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11.20. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:20, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2510	99	26	0.39	Peak	17.935	19.692	20	Pass

Agilent
Measure

Ch Freq 2.51 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.510 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

17.9349 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 10.192 kHz

x dB Bandwidth 19.692 MHz

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11.21. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:21, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.96	19.688	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

11.5

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 %
17.9599 MHz	x dB	-26.00 dB
Transmit Freq Error	15.711 kHz	
x dB Bandwidth	19.688 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

11.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.39	Peak	17.974	19.877	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

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 %
17.9742 MHz	x dB	-26.00 dB
Transmit Freq Error	-11.114 kHz	
x dB Bandwidth	19.877 MHz	

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11.23. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:23, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	18.001	19.882	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
 11.7
 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 %
18.0007 MHz	x dB	-26.00 dB
Transmit Freq Error		-4.345 kHz
x dB Bandwidth		19.882 MHz

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More
1 of 2

11.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2560	99	26	0.39	Peak	17.974	19.672	20	Pass

Agilent
Measure

Ch Freq 2.56 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.560 00 GHz Span 40 MHz

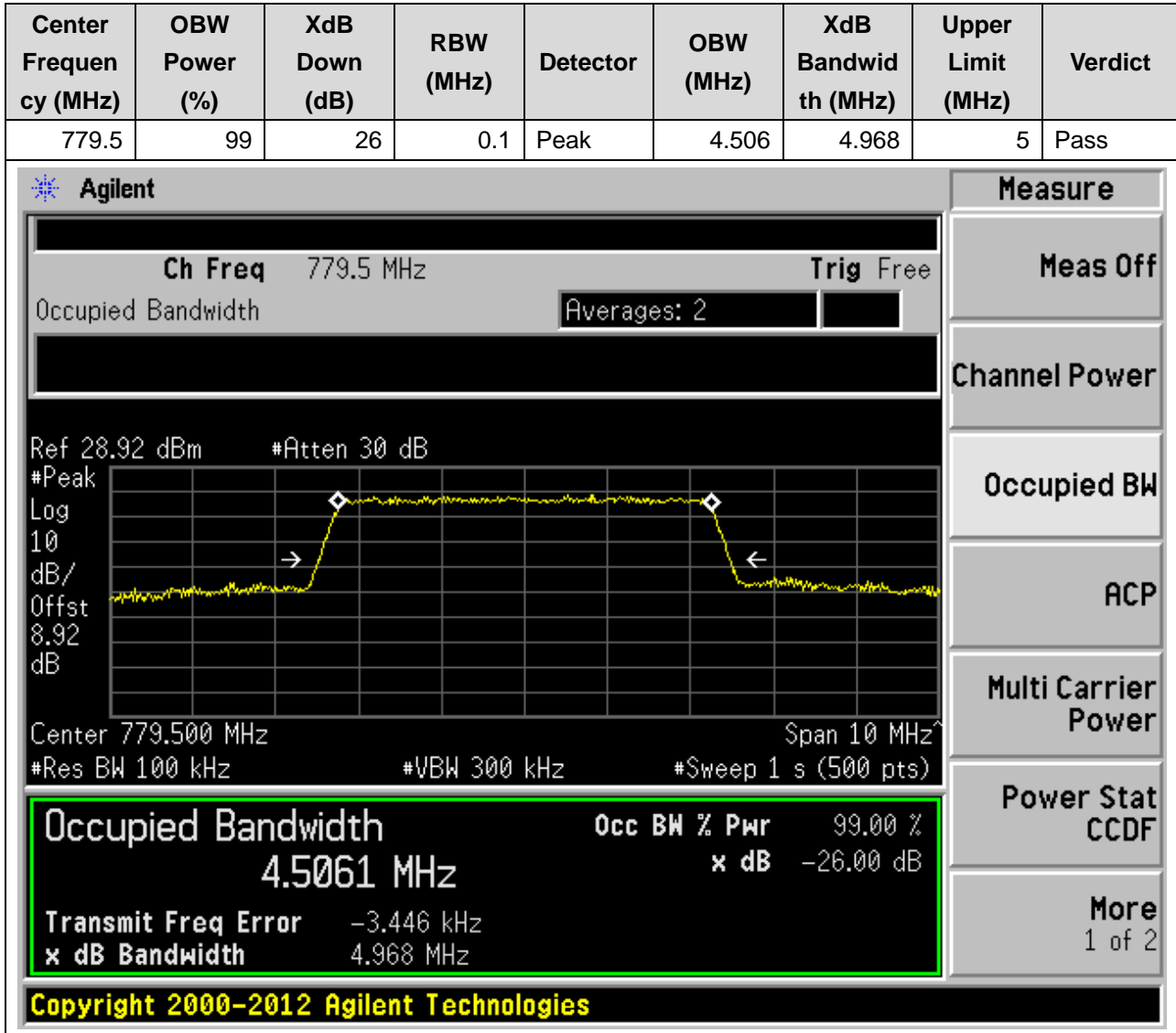
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 1 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9742 MHz	x dB	-26.00 dB
Transmit Freq Error	19.308 kHz	
x dB Bandwidth	19.672 MHz	

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12. LTE_Band13

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



12.2. 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	4.497	4.963	5	Pass

Agilent

Measure

Ch Freq 779.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.92 dB

Center 779.500 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

4.4971 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 859.478 Hz

x dB Bandwidth 4.963 MHz

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12.3. 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	4.497	4.971	5	Pass

Agilent
Measure

Ch Freq 782 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

Center 782.000 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

4.4967 MHz

Occ BW % Pwr

99.00 %

x dB

-26.00 dB

Transmit Freq Error -3.202 kHz

x dB Bandwidth 4.971 MHz

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12.4. 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	4.503	4.976	5	Pass

Agilent
Measure

Ch Freq 782 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.92 dB

Center 782.000 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

4.5026 MHz

Transmit Freq Error -2.810 kHz

x dB Bandwidth 4.976 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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12.5. 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	4.49	4.981	5	Pass

Agilent
Measure

Ch Freq 784.5 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 28.92 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 8.92 dB

Center 784.500 MHz Span 10 MHz

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

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

4.4904 MHz **x dB** -26.00 dB

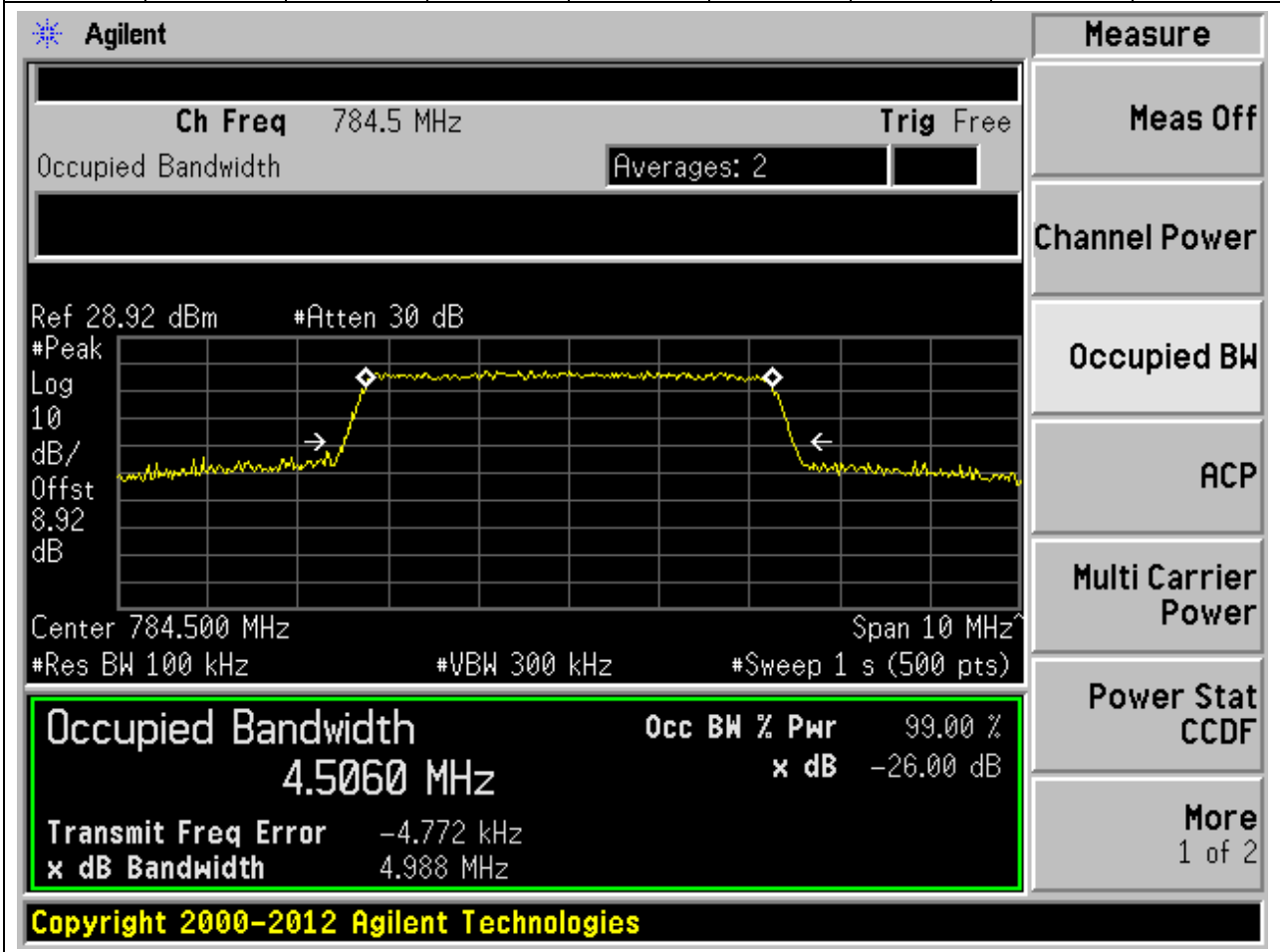
Transmit Freq Error -6.204 kHz

x dB Bandwidth 4.981 MHz

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12.6. 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	4.506	4.988	5	Pass



12.7. 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	8.978	9.942	10	Pass

Agilent
Measure

Ch Freq 782 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 28.92 dBm #Atten 30 dB

Center 782.00 MHz Span 20 MHz

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

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

8.9783 MHz **x dB** -26.00 dB

Transmit Freq Error 8.588 kHz

x dB Bandwidth 9.942 MHz

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12.8. 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	8.978	9.91	10	Pass

Agilent
Measure

Ch Freq 782 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 28.92 dBm #Atten 30 dB

Center 782.00 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 %

8.9784 MHz **x dB** -26.00 dB

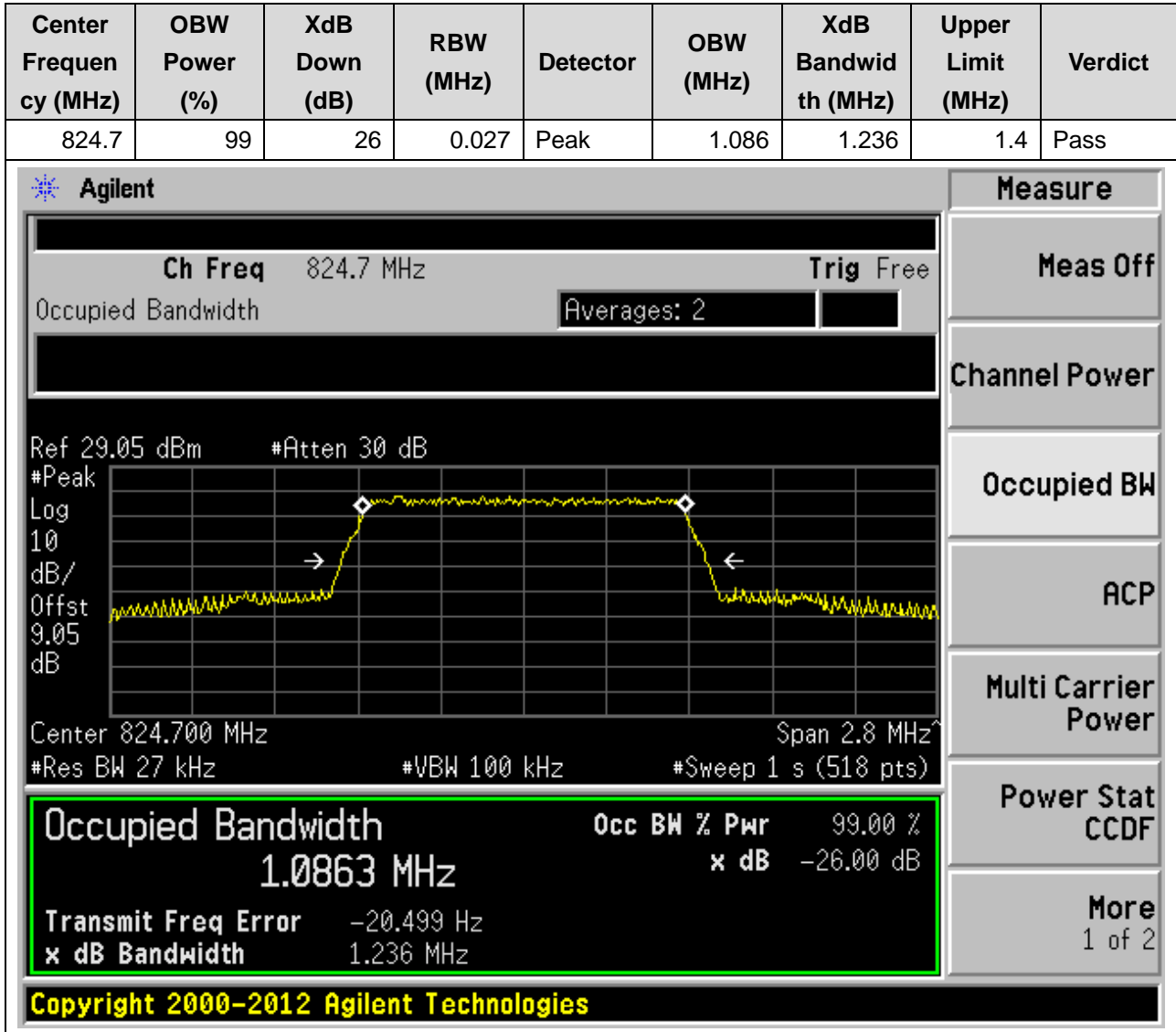
Transmit Freq Error 8.468 kHz

x dB Bandwidth 9.910 MHz

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13. LTE_Band26(part22)

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



13.2. 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	1.096	1.241	1.4	Pass

Agilent

Measure

Ch Freq 824.7 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.05 dBm #Atten 30 dB
#Peak
Log 10 dB/Offst 9.05 dB
Center 824.700 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

1.0961 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

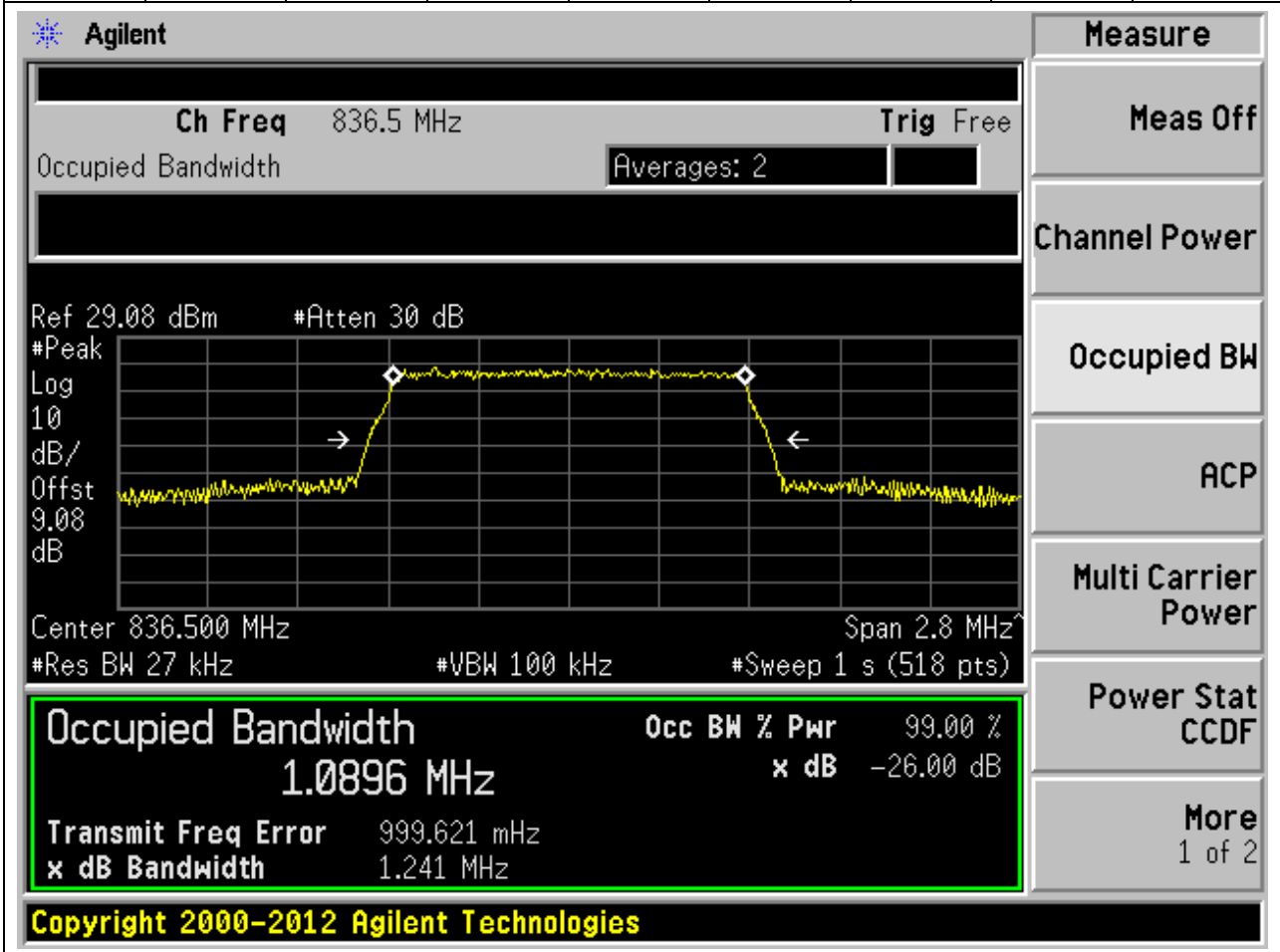
Transmit Freq Error -180.704 Hz

x dB Bandwidth 1.241 MHz

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13.3. 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	1.09	1.241	1.4	Pass



13.4. 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	1.083	1.234	1.4	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB
 #Peak
 Log
 10
 dB/
 Offst
 9.08
 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 %
1.0828 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.652 kHz	
x dB Bandwidth	1.234 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

13.5. 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	1.093	1.243	1.4	Pass

Agilent

Measure

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.17 dBm #Atten 30 dB
#Peak
Log 10 dB/Offst 9.16 dB
Center 848.300 MHz Span 2.8 MHz
#Res BW 27 kHz #VBW 100 kHz #Sweep 1 s (518 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

1.0929 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -554.949 Hz

x dB Bandwidth 1.243 MHz

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13.6. 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	1.094	1.241	1.4	Pass

Agilent
Measure

Ch Freq 848.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.17 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.16 dB

Center 848.300 MHz Span 2.8 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

1.0936 MHz

Transmit Freq Error -2.306 kHz

x dB Bandwidth 1.241 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.7. 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	2.718	3.044	3	Pass

Agilent
Measure

Ch Freq 825.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.05 dBm
#Atten 30 dB

#Peak
Log
10
dB/
Offst
9.05
dB

Center 825.500 MHz
Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7175 MHz	x dB	-26.00 dB
Transmit Freq Error	328.525 Hz	
x dB Bandwidth	3.044 MHz	

More
1 of 2

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13.8. 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	2.711	3.037	3	Pass

Agilent

Measure

Ch Freq 825.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.05 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.05 dB

Center 825.500 MHz Span 6 MHz

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

Occupied Bandwidth

2.7107 MHz

Transmit Freq Error -521.419 Hz

x dB Bandwidth 3.037 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

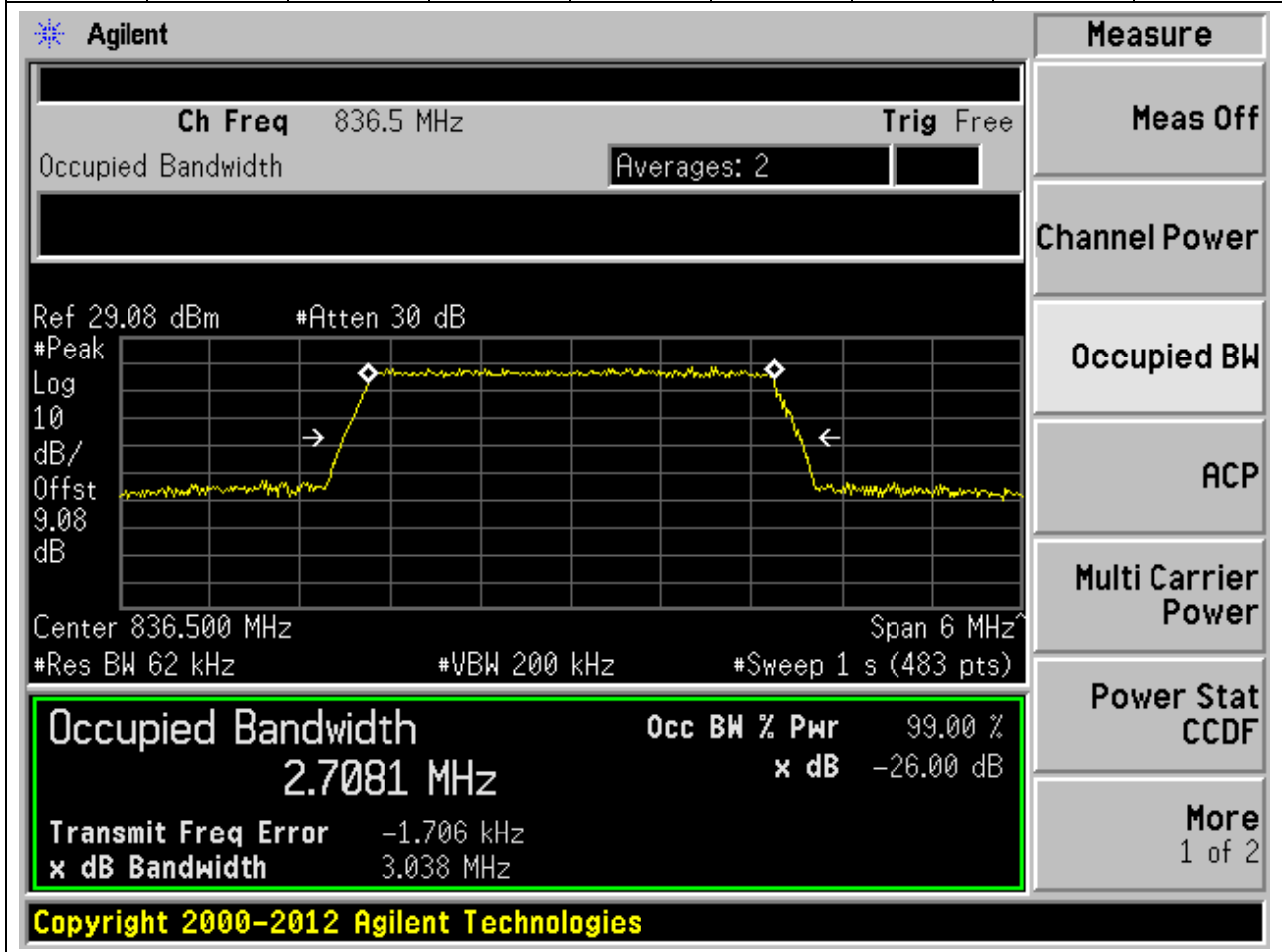
Power Stat CCDF

More 1 of 2

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13.9. 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	2.708	3.038	3	Pass



13.10. 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	2.709	3.033	3	Pass

Agilent

Measure

Ch Freq 836.5 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 29.08 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.08

dB

Center 836.500 MHz Span 6 MHz

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

Occupied Bandwidth

2.7091 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -2.536 kHz

x dB Bandwidth 3.033 MHz

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13.11. 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	2.708	3.038	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 847.500 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 %
2.7076 MHz	x dB	-26.00 dB
Transmit Freq Error		-3.743 kHz
x dB Bandwidth		3.038 MHz

Additional parameters shown include: Ch Freq 847.5 MHz, Trig Free, Averages: 2, Ref 29.16 dBm, #Atten 30 dB, #Peak, Log 10, dB/Offst 9.16 dB, #Res BW 62 kHz, #VBW 200 kHz, #Sweep 1 s (483 pts). The right-hand side of the interface contains a 'Measure' menu with options: Meas Off, Channel Power, Occupied BW, ACP, Multi Carrier Power, Power Stat CCDF, and More (1 of 2). The bottom of the screen displays the copyright notice: Copyright 2000-2012 Agilent Technologies.

13.12. 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	2.708	3.056	3	Pass

Agilent

Measure

Ch Freq 847.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.16 dBm #Atten 30 dB

Center 847.500 MHz Span 6 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

2.7079 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -8.250 kHz

x dB Bandwidth 3.056 MHz

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13.13. 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	4.514	4.977	5	Pass

Agilent

Measure

Ch Freq 826.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.06 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.06 dB

Center 826.500 MHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 1 s (500 pts)

Occupied Bandwidth

4.5141 MHz

Transmit Freq Error -1.766 kHz

x dB Bandwidth 4.977 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

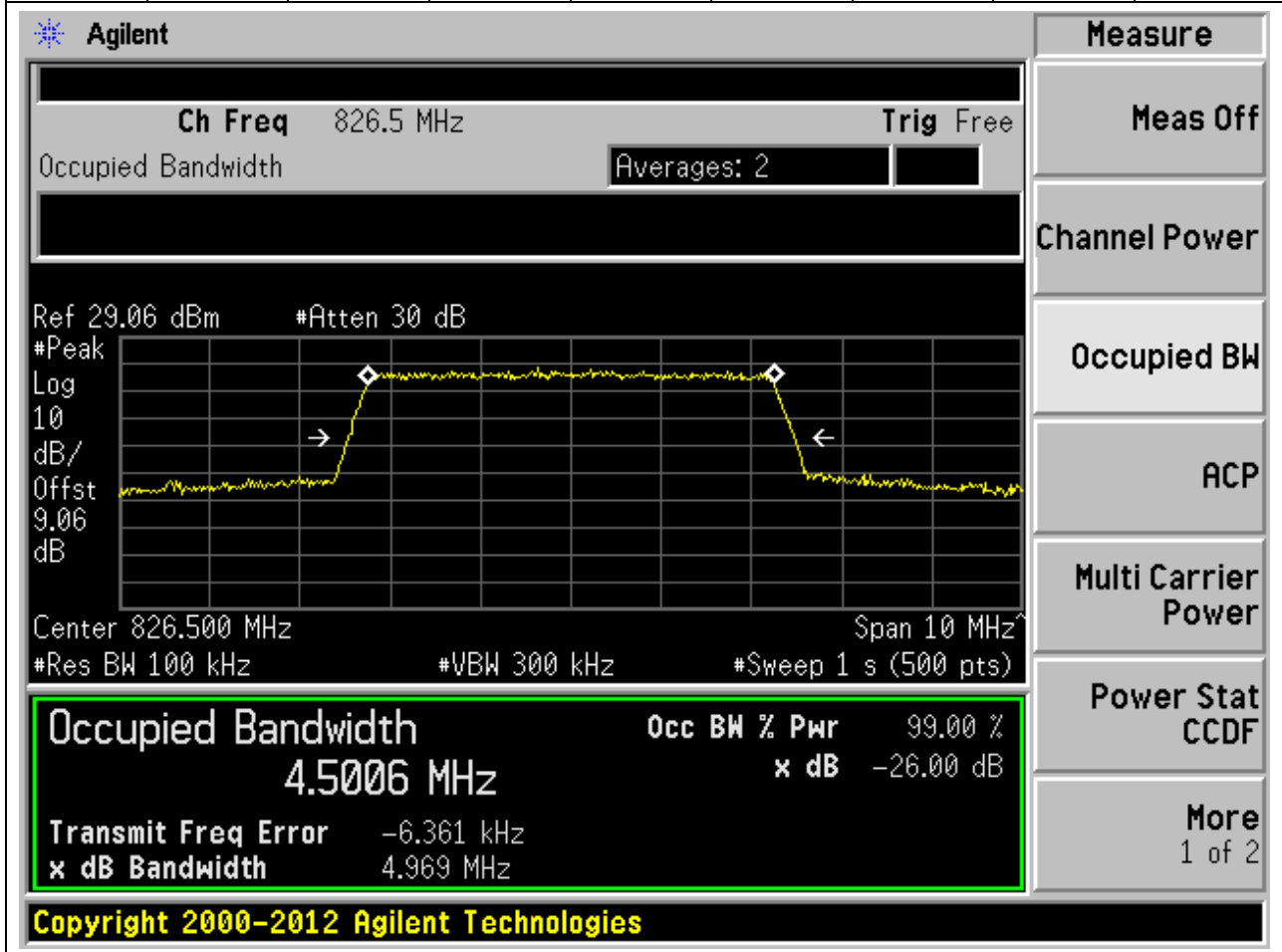
Power Stat CCDF

More
1 of 2

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13.14. 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	4.501	4.969	5	Pass



13.15. 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	4.495	4.973	5	Pass

Agilent

Measure

Ch Freq 836.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.08 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.08

dB

Center 836.500 MHz Span 10 MHz

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

Channel Power

Occupied Bandwidth

4.4953 MHz

Transmit Freq Error -5.117 kHz

x dB Bandwidth 4.973 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Occupied BW

Transmit Freq Error -5.117 kHz

x dB Bandwidth 4.973 MHz

ACP

Transmit Freq Error -5.117 kHz

x dB Bandwidth 4.973 MHz

Multi Carrier Power

Transmit Freq Error -5.117 kHz

x dB Bandwidth 4.973 MHz

Power Stat CCDF

Transmit Freq Error -5.117 kHz

x dB Bandwidth 4.973 MHz

More

1 of 2

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13.16. 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	4.501	4.977	5	Pass

Agilent
Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.08 dB

Center 836.500 MHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

4.5007 MHz

Transmit Freq Error -7.211 kHz

x dB Bandwidth 4.977 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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13.17. 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	4.488	4.935	5	Pass

Agilent

Measure

Ch Freq 846.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.15 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 9.15
 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 %
4.4881 MHz	x dB	-26.00 dB
Transmit Freq Error	-7.272 kHz	
x dB Bandwidth	4.935 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

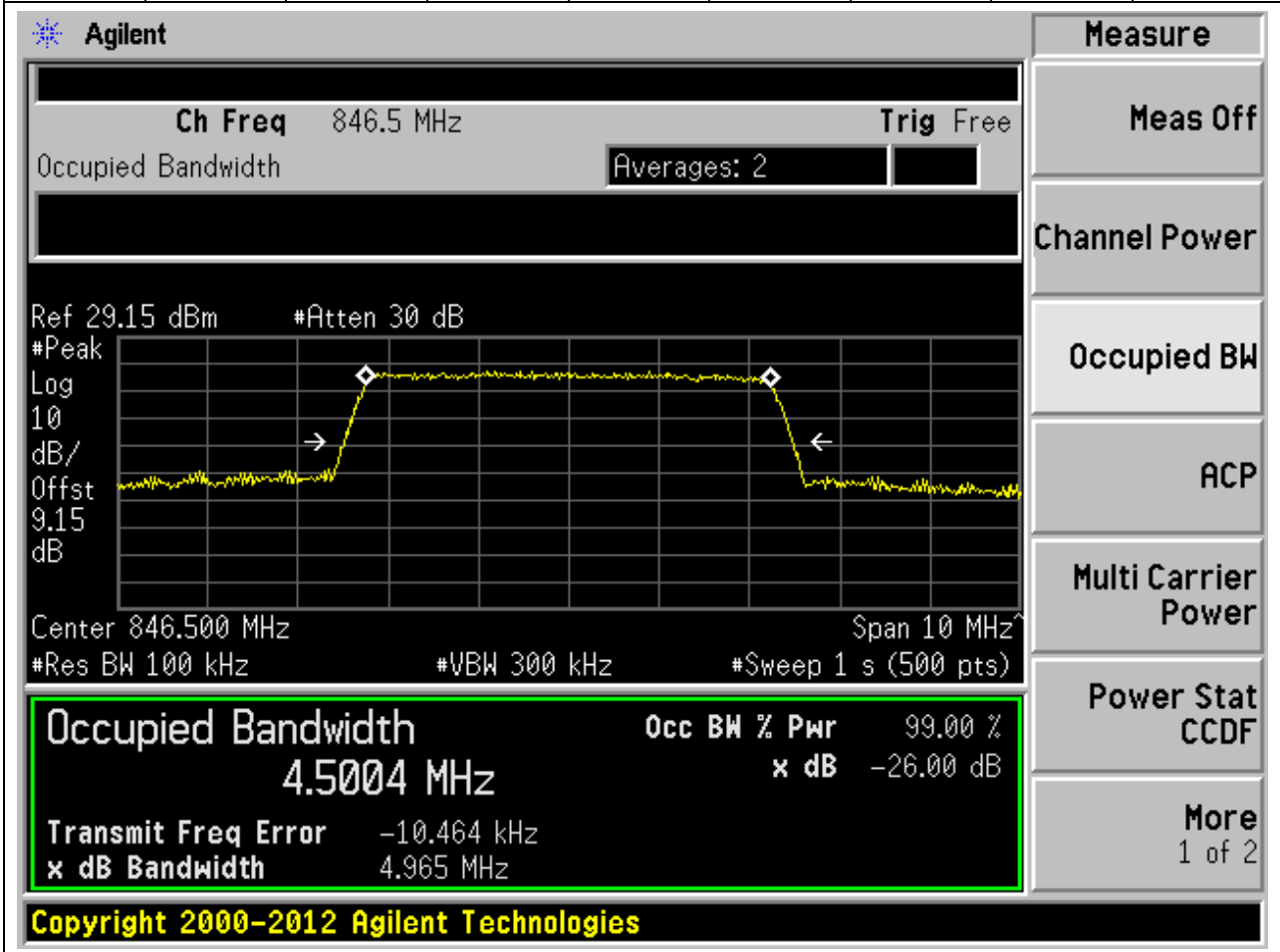
Power Stat CCDF

More
1 of 2

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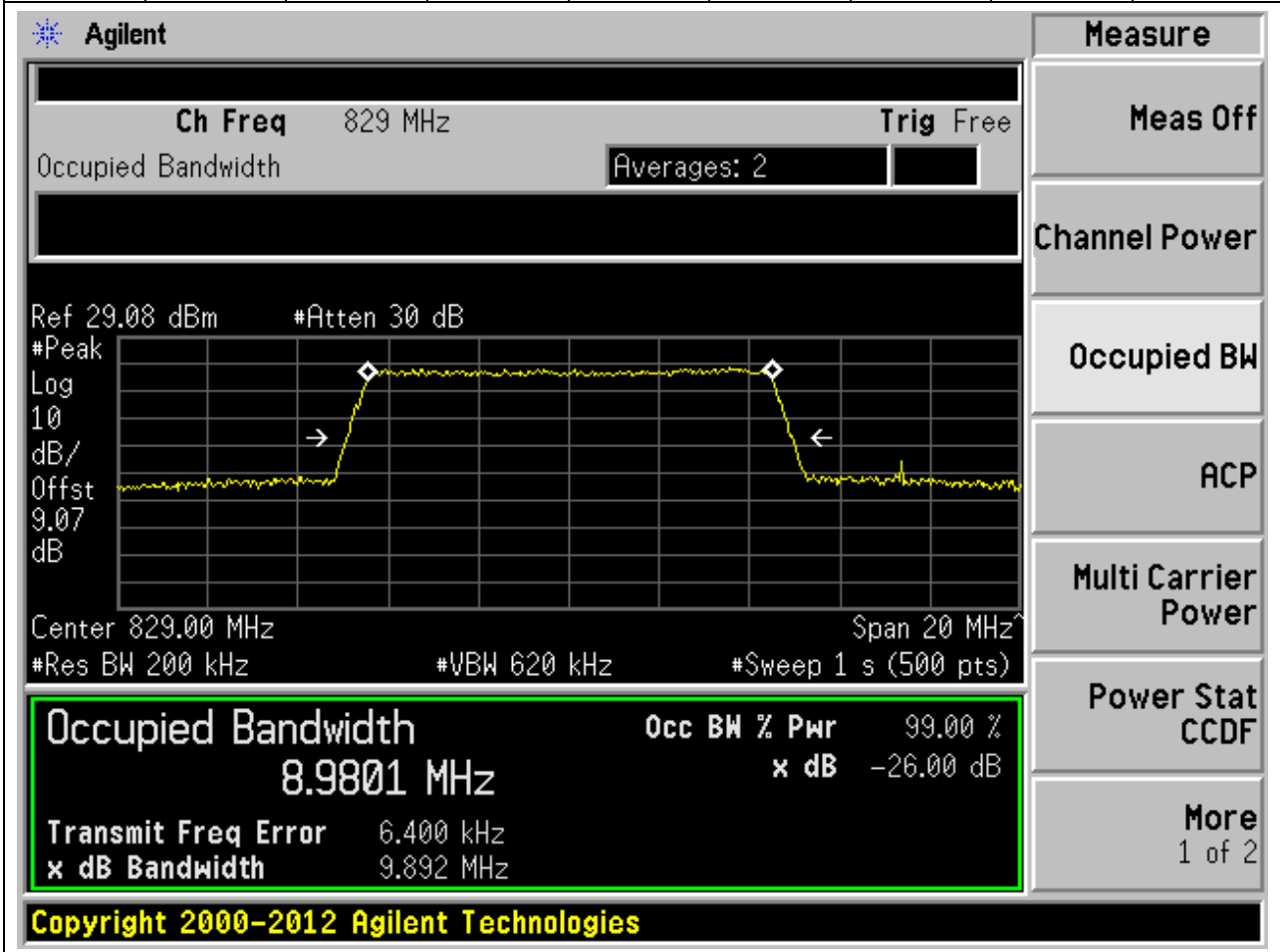
13.18. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:18, Channel:27015, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

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	4.5	4.965	5	Pass



13.19. 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	8.98	9.892	10	Pass



13.20. 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	8.991	9.948	10	Pass

Agilent
Measure

Ch Freq 829 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.08 dBm #Atten 30 dB

Center 829.00 MHz Span 20 MHz

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

Occupied Bandwidth 8.9905 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 16.214 kHz

x dB Bandwidth 9.948 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

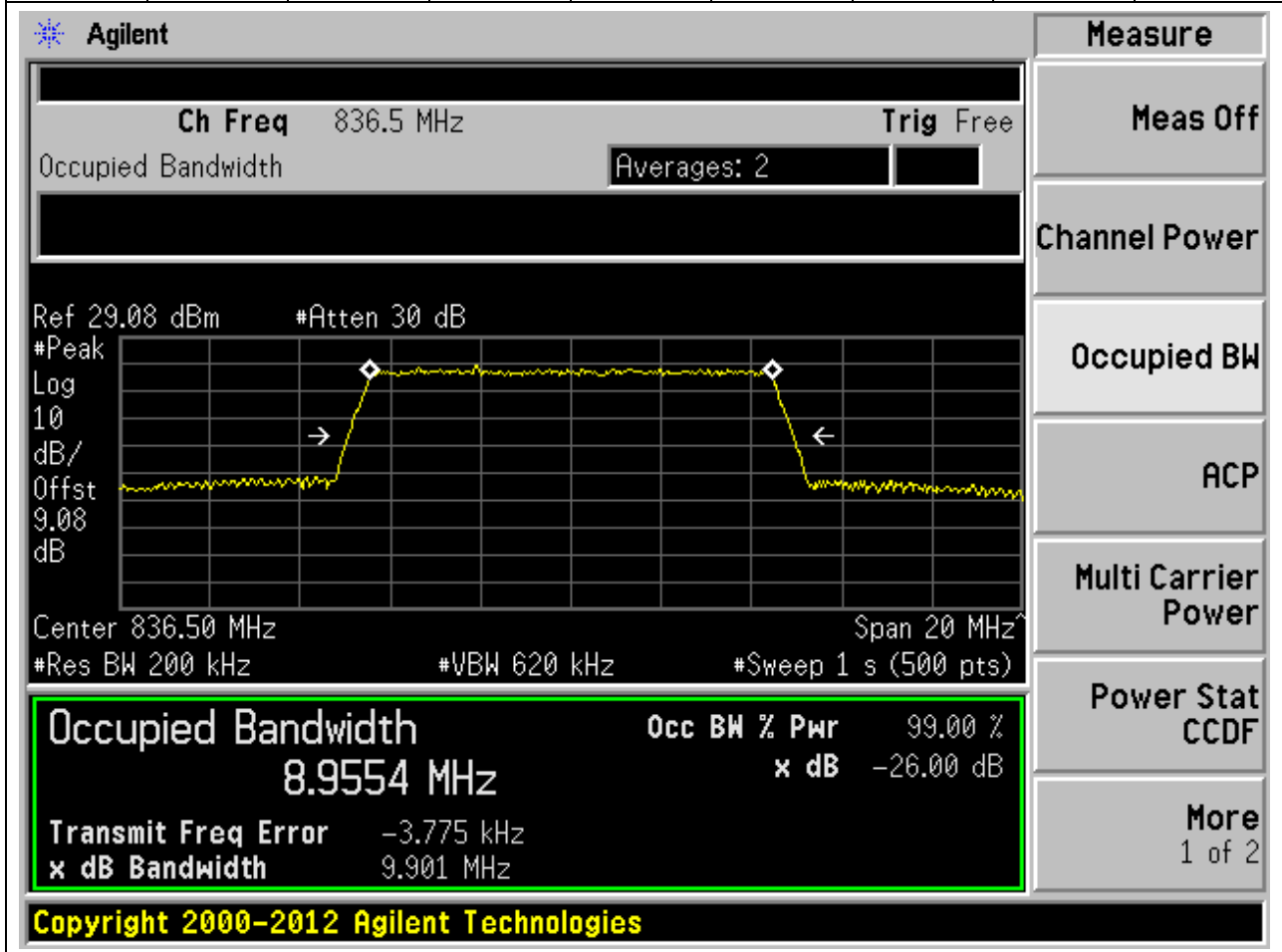
Power Stat CCDF

More
1 of 2

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13.21. 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	8.955	9.901	10	Pass



13.22. 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	8.97	9.926	10	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.08 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.08

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 %

8.9704 MHz
x dB -26.00 dB

Transmit Freq Error 3.401 kHz

x dB Bandwidth 9.926 MHz

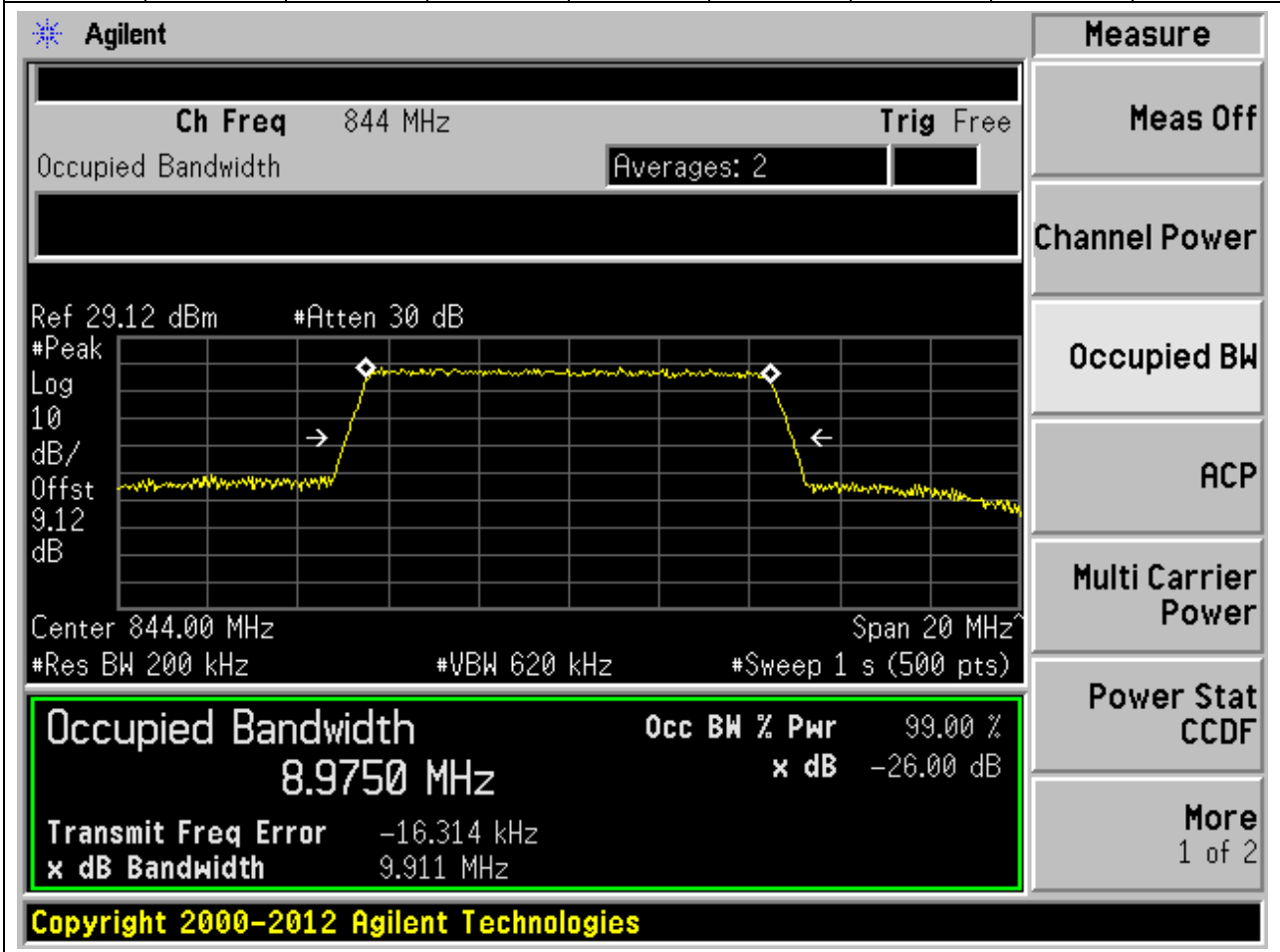
Power Stat
CCDF

More
1 of 2

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13.23. 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	8.975	9.911	10	Pass



13.24. 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	8.979	9.931	10	Pass

Agilent
Measure

Ch Freq 844 MHz **Trig** Free

Occupied Bandwidth **Averages: 2**

Meas Off

Ref 29.12 dBm #Atten 30 dB

Center 844.00 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 %

8.9792 MHz **x dB** -26.00 dB

Transmit Freq Error -22.840 kHz

x dB Bandwidth 9.931 MHz

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13.25. 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	13.464	14.942	15	Pass

Agilent
Measure

Ch Freq 831.5 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 29.08 dBm #Atten 30 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 %
13.4642 MHz	x dB -26.00 dB
Transmit Freq Error	-4.318 kHz
x dB Bandwidth	14.942 MHz

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13.26. 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	13.469	14.946	15	Pass

Agilent
Measure

Ch Freq 831.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB

Center 831.50 MHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

13.4686 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -8.190 kHz

x dB Bandwidth 14.946 MHz

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13.27. 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	13.415	14.915	15	Pass

Agilent

Measure

Ch Freq 836.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.08

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 %
13.4152 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.819 kHz	
x dB Bandwidth	14.915 MHz	

Power Stat CCDF

More 1 of 2

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13.28. 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	13.468	14.986	15	Pass

Agilent
Measure

Ch Freq 836.5 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.08 dBm
#Atten 30 dB

#Peak

Log

10

dB/

Offst

9.08

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 %
13.4679 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.669 kHz	
x dB Bandwidth	14.986 MHz	

Power Stat
CCDF

More
1 of 2

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13.29. 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	13.444	14.965	15	Pass

Agilent

Measure

Ch Freq 841.5 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 29.09 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.09

dB

Center 841.50 MHz

Span 30 MHz

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

Occupied Bandwidth

13.4438 MHz

Transmit Freq Error -32.915 kHz

x dB Bandwidth 14.965 MHz

Occ BW % Pwr

99.00 %

x dB

-26.00 dB

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13.30. 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	13.45	14.857	15	Pass

Agilent

Measure

Ch Freq 841.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.09 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 9.09
 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 %
13.4501 MHz	x dB	-26.00 dB
Transmit Freq Error	-26.512 kHz	
x dB Bandwidth	14.857 MHz	

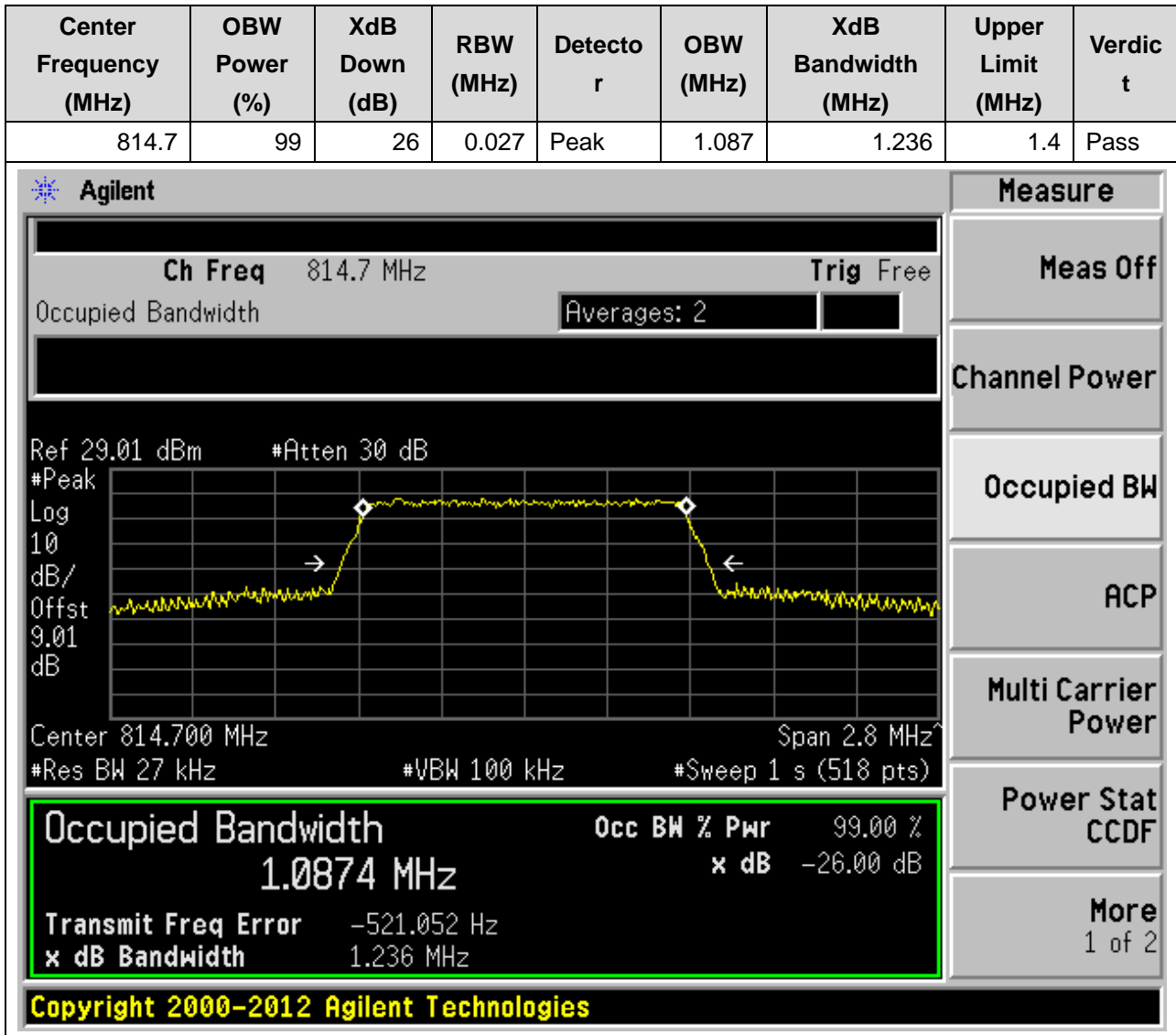
Power Stat CCDF
More

1 of 2

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14. LTE_Band26(part90)

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



14.2. 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	1.096	1.241	1.4	Pass

Agilent
Measure

Ch Freq 814.7 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.01 dBm #Atten 30 dB

Center 814.700 MHz Span 2.8 MHz

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

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

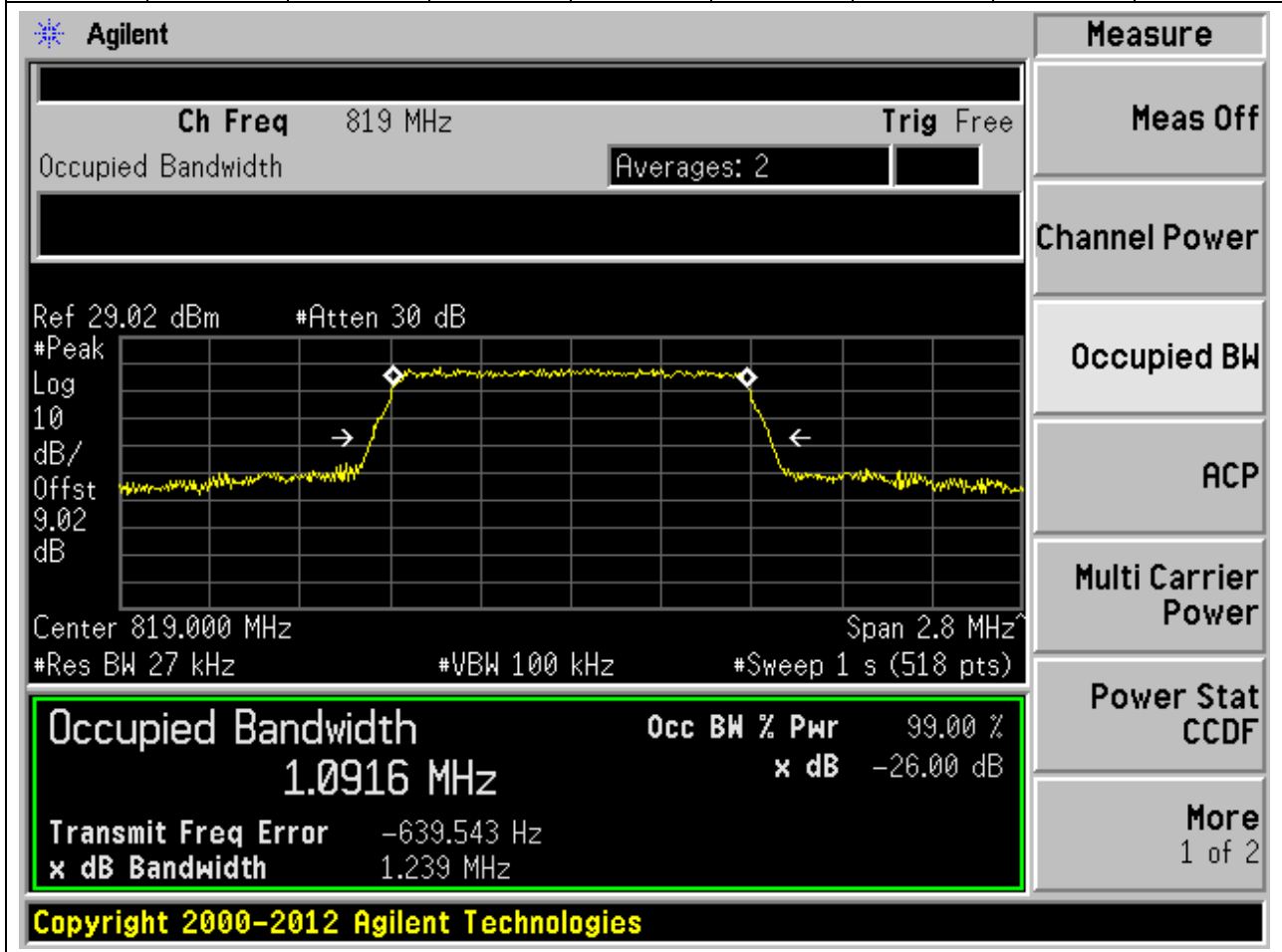
More
1 of 2

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0961 MHz	x dB -26.00 dB
Transmit Freq Error 1.362 kHz	
x dB Bandwidth 1.241 MHz	

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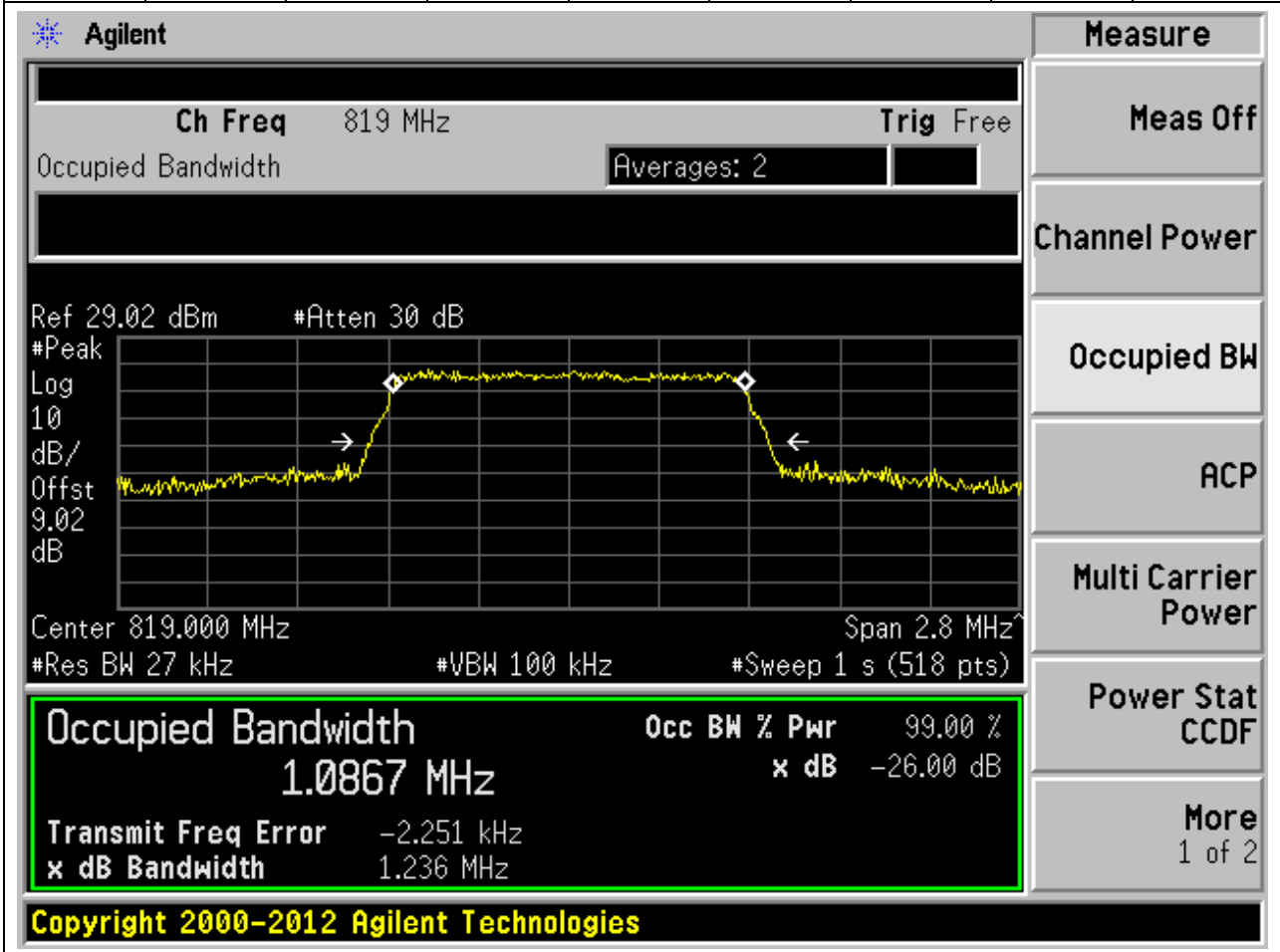
14.3. LTE Occupied Bandwidth_Part90(NTNV)(Subtest:3, Channel:26740, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

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	1.092	1.239	1.4	Pass



14.4. 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	1.236	1.4	Pass



14.5. 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	1.24	1.4	Pass

Agilent

Measure

Ch Freq 823.3 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.04 dBm #Atten 30 dB

Center 823.300 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

1.0917 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

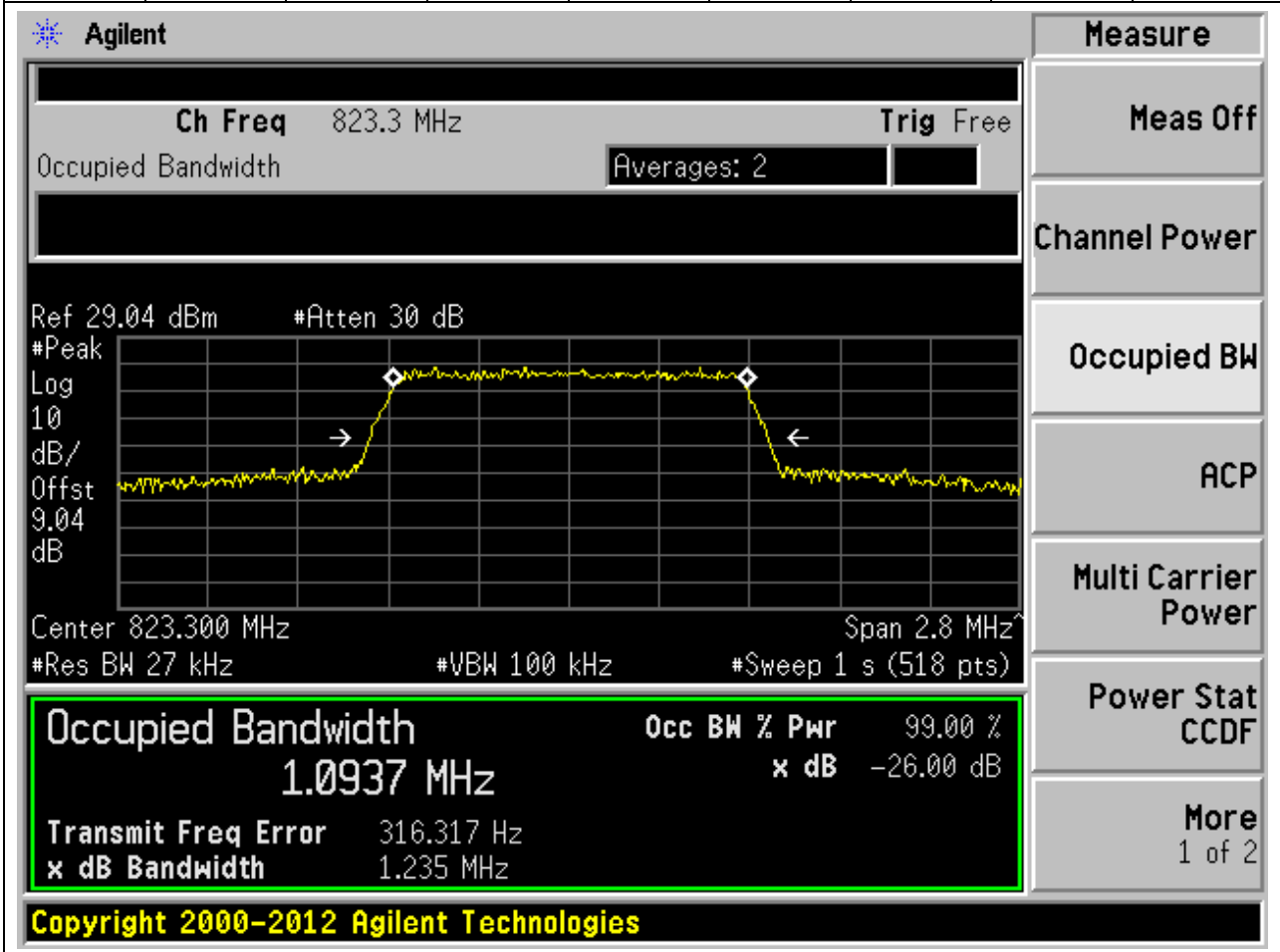
Transmit Freq Error -1.437 kHz

x dB Bandwidth 1.240 MHz

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14.6. 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	1.094	1.235	1.4	Pass



14.7. 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	2.715	3.039	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 815.500 MHz and the span is 6 MHz. The occupied bandwidth is measured as 2.7148 MHz. The power level is 99.00% and the XdB bandwidth is -26.00 dB. The transmit frequency error is 2.084 kHz and the XdB bandwidth is 3.039 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 %
2.7148 MHz	x dB	-26.00 dB
Transmit Freq Error	2.084 kHz	
x dB Bandwidth	3.039 MHz	

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14.8. 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	2.712	3.05	3	Pass

Agilent
Measure

Ch Freq 815.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.01 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 %

2.7124 MHz **x dB** -26.00 dB

Transmit Freq Error -1.380 kHz

x dB Bandwidth 3.050 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

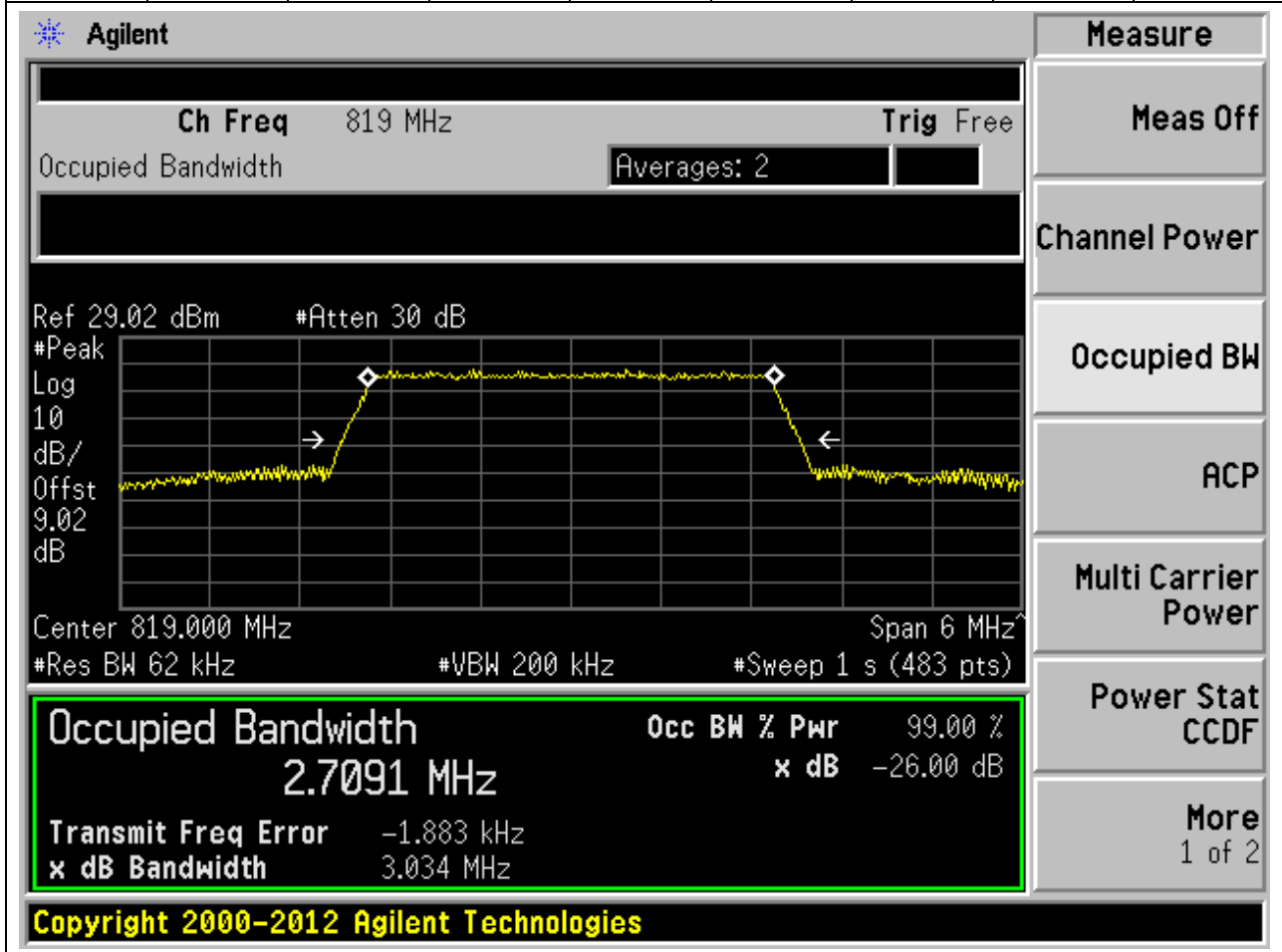
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
819	99	26	0.062	Peak	2.704	3.037	3	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 819.000 MHz and the span is 6 MHz. The occupied bandwidth is highlighted in green as 2.7037 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The transmit frequency error is -2.023 kHz and the XdB bandwidth is 3.037 MHz. The interface includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.7037 MHz	x dB	-26.00 dB
Transmit Freq Error	-2.023 kHz	
x dB Bandwidth	3.037 MHz	

14.10. 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	2.709	3.034	3	Pass



14.11. 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	2.71	3.041	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 822.500 MHz with a span of 6 MHz. The vertical axis is labeled 'dB/Offst' with a reference of 29.03 dB and an offset of 9.03 dB. The horizontal axis is labeled 'MHz' with a resolution bandwidth of 62 kHz and a video bandwidth of 200 kHz. The plot shows a signal with a peak at approximately 822.5 MHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 2.7096 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. The 'Transmit Freq Error' is 382.087 Hz and the 'x dB Bandwidth' is 3.041 MHz. The 'Copyright 2000-2012 Agilent Technologies' is displayed at the bottom.

Occupied Bandwidth	Occ BW % Pwr	x dB
2.7096 MHz	99.00 %	-26.00 dB

Transmit Freq Error: 382.087 Hz
x dB Bandwidth: 3.041 MHz

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14.12. 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	2.708	3.054	3	Pass

Agilent
Measure

Ch Freq 822.5 MHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 29.03 dBm #Atten 30 dB

Center 822.500 MHz Span 6 MHz

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

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

2.7077 MHz **x dB** -26.00 dB

Transmit Freq Error -4.046 kHz

x dB Bandwidth 3.054 MHz

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14.13. 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	4.507	4.967	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 816.500 MHz with a span of 10 MHz. The vertical axis is labeled 'dB/Offst' with a reference of 29.01 dBm and an attenuation of 30 dB. The horizontal axis is labeled 'Span 10 MHz'. The plot shows a signal with a peak at 4.5066 MHz. The 'Occupied Bandwidth' is measured as 4.5066 MHz, which is 99.00% of the power. The 'x dB Bandwidth' is 4.967 MHz. The 'Transmit Freq Error' is -4.206 kHz. The 'Power Stat CCDF' is also visible on the right side of the interface.

Occupied Bandwidth	Occ BW % Pwr	x dB
4.5066 MHz	99.00 %	-26.00 dB

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14.14. 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	4.504	4.973	5	Pass

Agilent
Measure

Ch Freq 816.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.01 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 9.01 dB

Center 816.500 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

4.5036 MHz

Transmit Freq Error -3.640 kHz

x dB Bandwidth 4.973 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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14.15. 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	4.497	4.972	5	Pass

Agilent
Measure

Ch Freq 819 MHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 29.02 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
9.02

dB

Center 819.000 MHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4974 MHz	x dB	-26.00 dB
Transmit Freq Error	-4.220 kHz	
x dB Bandwidth	4.972 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

14.16. 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	4.51	4.98	5	Pass

Agilent

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

Ch Freq 819 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.02 dBm #Atten 30 dB

Center 819.000 MHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.5100 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.448 kHz	
x dB Bandwidth	4.980 MHz	

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14.17. 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	4.494	4.958	5	Pass

Agilent

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

Ch Freq 821.5 MHz Trig Free

Occupied Bandwidth Averages: 2

Ref 29.03 dBm #Atten 30 dB

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4936 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.995 kHz	
x dB Bandwidth	4.958 MHz	

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14.18. 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	4.505	4.969	5	Pass

Agilent

Measure

Ch Freq 821.5 MHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 29.03 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

9.03

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 %
4.5055 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.214 kHz	
x dB Bandwidth	4.969 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

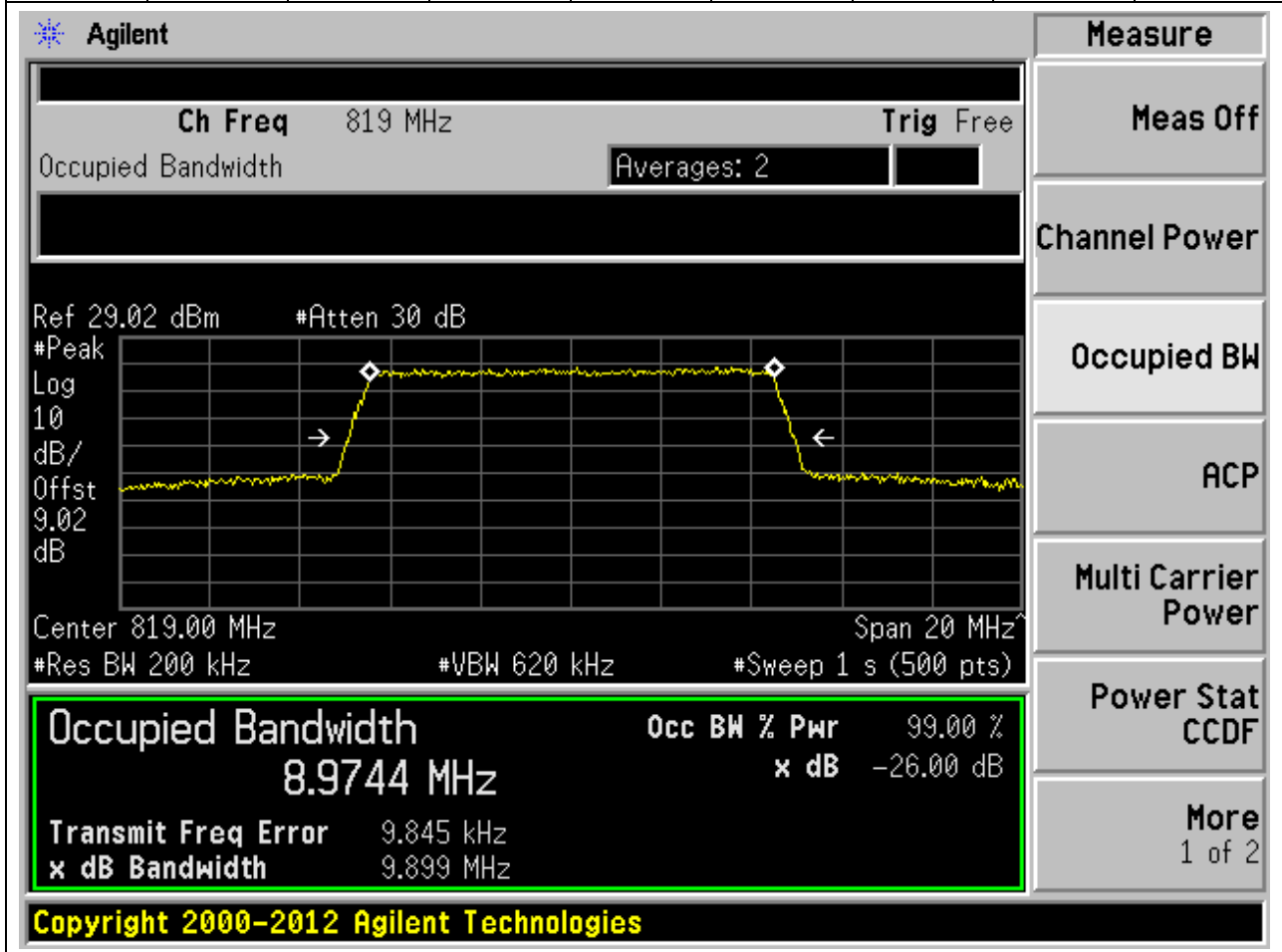
Power Stat CCDF

More

1 of 2

14.19. 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	8.974	9.899	10	Pass



14.20. 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	8.963	9.94	10	Pass

Agilent
Measure

Ch Freq 819 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 29.02 dBm #Atten 30 dB

Center 819.00 MHz Span 20 MHz

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

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

8.9631 MHz **x dB** -26.00 dB

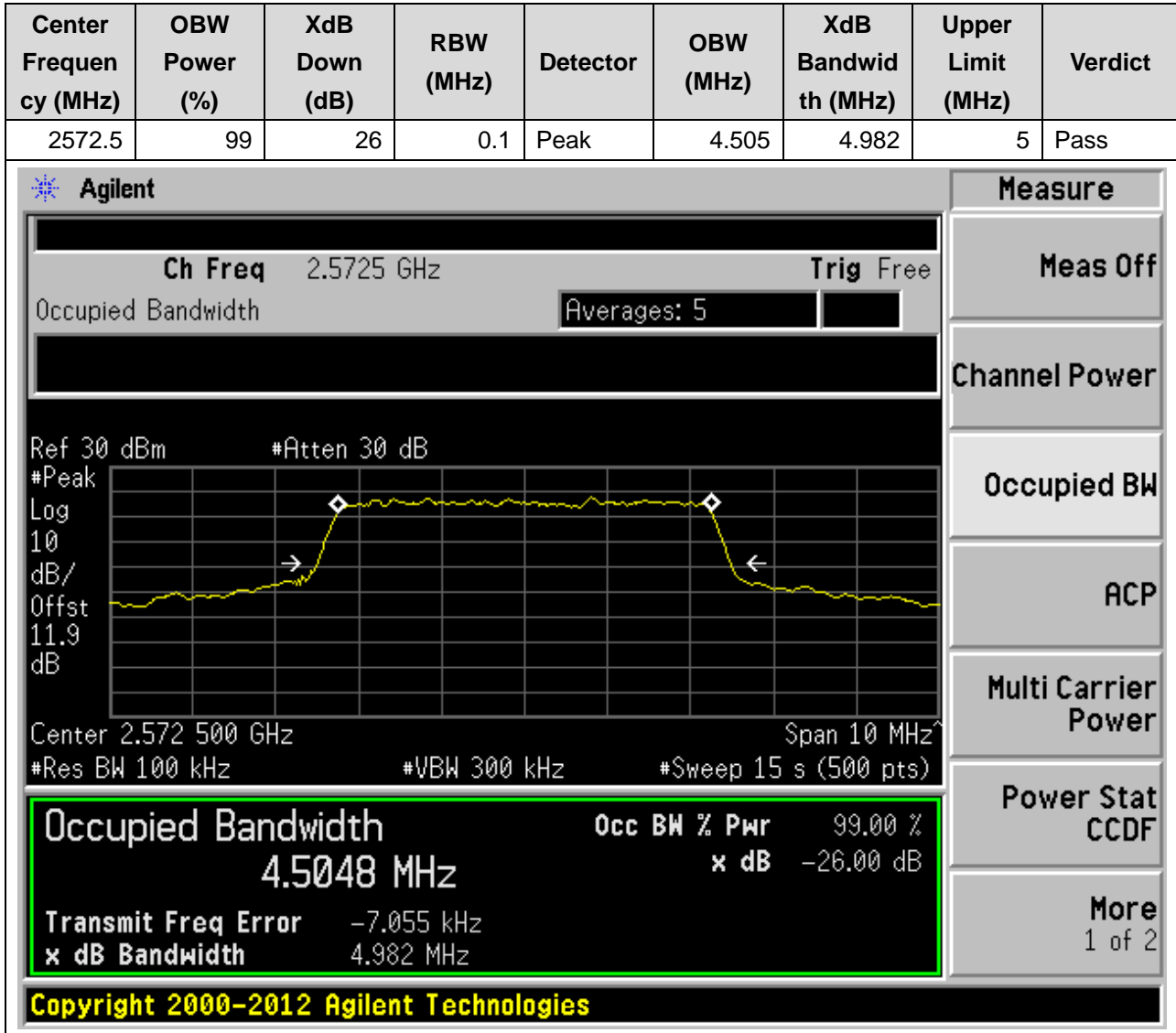
Transmit Freq Error 13.755 kHz

x dB Bandwidth 9.940 MHz

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15. LTE_Band38

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



15.2. 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	4.517	5.034	5	Pass

Agilent

Measure

Ch Freq 2.5725 GHz
Trig Free

Occupied Bandwidth

Averages: 5

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.9

dB

Center 2.572 500 GHz
Span 10 MHz

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

Occupied Bandwidth

4.5167 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.061 kHz

x dB Bandwidth 5.034 MHz

More
1 of 2

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15.3. 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	4.505	4.974	5	Pass

Agilent
Measure

Ch Freq 2.595 GHz **Trig** Free

Occupied Bandwidth Averages: 5

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 11.7 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 %
4.5050 MHz	x dB -26.00 dB
Transmit Freq Error -3.879 kHz	
x dB Bandwidth 4.974 MHz	

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15.4. 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	4.496	5.011	5	Pass

Agilent
Measure

Ch Freq 2.595 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Ref 30 dBm #Atten 30 dB

Center 2.595 000 GHz Span 10 MHz

#Res BW 100 kHz #VBW 300 kHz #Sweep 15 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 %

4.4959 MHz **x dB** -26.00 dB

Transmit Freq Error -4.476 kHz

x dB Bandwidth 5.011 MHz

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15.5. 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	4.494	5.02	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

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 %
4.4945 MHz	x dB	-26.00 dB
Transmit Freq Error	275.274 Hz	
x dB Bandwidth	5.020 MHz	

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15.6. 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	4.5	4.969	5	Pass

Agilent
Measure

Ch Freq 2.6175 GHz **Trig** Free

Occupied Bandwidth Averages: 5

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 2.617 500 GHz Span 10 MHz

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

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

4.5004 MHz **x dB** -26.00 dB

Transmit Freq Error -1.615 kHz

x dB Bandwidth 4.969 MHz

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15.7. 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	8.989	9.925	10	Pass

Agilent
Measure

Ch Freq 2.575 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.575 00 GHz Span 20 MHz

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

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

8.9888 MHz **x dB** -26.00 dB

Transmit Freq Error 23.467 kHz

x dB Bandwidth 9.925 MHz

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15.8. 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	8.992	9.95	10	Pass

Agilent
Measure

Ch Freq 2.575 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

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 %

8.9920 MHz **x dB** -26.00 dB

Transmit Freq Error 4.791 kHz

x dB Bandwidth 9.950 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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15.9. 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	8.998	10.103	10	Pass

Agilent
Measure

Ch Freq 2.595 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.595 00 GHz Span 20 MHz

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

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

8.9983 MHz **x dB** -26.00 dB

Transmit Freq Error 2.394 kHz

x dB Bandwidth 10.103 MHz

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15.10. 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	8.963	9.94	10	Pass

Agilent
Measure

Ch Freq 2.595 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Ref 30 dBm #Atten 30 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 %

8.9629 MHz **x dB** -26.00 dB

Transmit Freq Error -3.381 kHz

x dB Bandwidth 9.940 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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15.11. 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	9.024	10.047	10	Pass

Agilent

Measure

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

9.0241 MHz

Transmit Freq Error -997.316 Hz

x dB Bandwidth 10.047 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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15.12. 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	9	9.988	10	Pass

Agilent

Measure

Ch Freq 2.615 GHz **Trig** Free

Occupied Bandwidth Averages: 5

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 2.615 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
9.0002 MHz	x dB	-26.00 dB
Transmit Freq Error	-9.775 kHz	
x dB Bandwidth	9.988 MHz	

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15.13. 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	13.51	15.024	15	Pass

Agilent
Measure

Ch Freq 2.5775 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.577 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5104 MHz	x dB	-26.00 dB
Transmit Freq Error	7.080 kHz	
x dB Bandwidth	15.024 MHz	

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15.14. 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	14.956	15	Pass

Agilent
Measure

Ch Freq 2.5775 GHz **Trig** Free

Occupied Bandwidth Averages: 5

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 11.8 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 %
13.4883 MHz	x dB -26.00 dB
Transmit Freq Error 4.528 kHz	
x dB Bandwidth 14.956 MHz	

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15.15. 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	13.446	15.022	15	Pass

Agilent

Measure

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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

13.4456 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -1.160 kHz

x dB Bandwidth 15.022 MHz

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15.16. 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	13.524	15.021	15	Pass

Agilent

Measure

Ch Freq 2.595 GHz Trig Free

Occupied Bandwidth Averages: 5

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 11.7 dB

Center 2.595 00 GHz Span 30 MHz

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

Occupied Bandwidth

13.5240 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 7.372 kHz

x dB Bandwidth 15.021 MHz

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15.17. 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	13.465	15.439	15	Pass

Agilent
Measure

Ch Freq 2.6125 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.612 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.4651 MHz	x dB	-26.00 dB
Transmit Freq Error	1.131 kHz	
x dB Bandwidth	15.439 MHz	

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15.18. 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	13.519	15.017	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 %
13.5192 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.611 kHz	
x dB Bandwidth	15.017 MHz	

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15.19. 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	18.009	19.744	20	Pass

Agilent
Measure

Ch Freq 2.58 GHz Trig Free

Occupied Bandwidth Averages: 5

Ref 30 dBm #Atten 30 dB

Center 2.580 00 GHz Span 40 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

18.0090 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 7.927 kHz

x dB Bandwidth 19.744 MHz

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15.20. 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	17.95	19.73	20	Pass

Agilent

Measure

Ch Freq 2.58 GHz
Trig Free

Occupied Bandwidth
Averages: 5

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 11.7
 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 %
17.9501 MHz	x dB	-26.00 dB
Transmit Freq Error	9.669 kHz	
x dB Bandwidth	19.730 MHz	

Power Stat
CCDF

More
1 of 2

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15.21. 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	17.968	19.697	20	Pass

Agilent

Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 5

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9681 MHz	x dB	-26.00 dB
Transmit Freq Error	24.828 kHz	
x dB Bandwidth	19.697 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

15.22. 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	17.971	19.82	20	Pass

Agilent
Measure

Ch Freq 2.595 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.595 00 GHz Span 40 MHz

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

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

17.9709 MHz **x dB** -26.00 dB

Transmit Freq Error 4.095 kHz

x dB Bandwidth 19.820 MHz

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15.23. 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	17.991	19.847	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

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 %
17.9910 MHz	x dB	-26.00 dB
Transmit Freq Error	-6.166 kHz	
x dB Bandwidth	19.847 MHz	

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15.24. 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	17.97	19.857	20	Pass

Agilent
Measure

Ch Freq 2.61 GHz **Trig** Free

Occupied Bandwidth Averages: 5

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.610 00 GHz Span 40 MHz

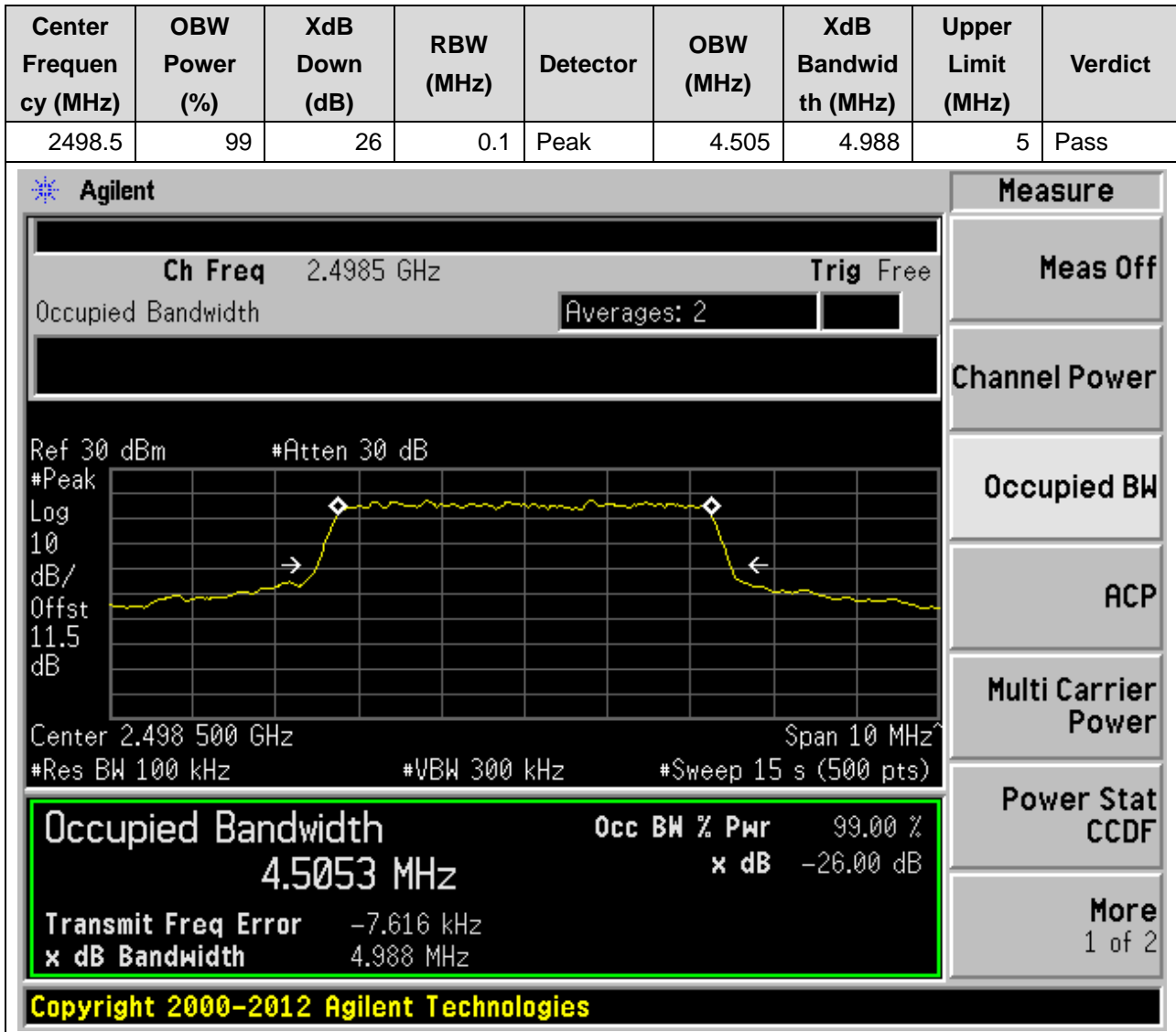
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9702 MHz	x dB -26.00 dB
Transmit Freq Error 6.628 kHz	
x dB Bandwidth 19.857 MHz	

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16. LTE_Band41 full

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



16.2. 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	4.514	5.024	5	Pass

Agilent
Measure

Ch Freq 2.4985 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.498 500 GHz Span 10 MHz

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

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

4.5144 MHz **x dB** -26.00 dB

Transmit Freq Error -1.228 kHz

x dB Bandwidth 5.024 MHz

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16.3. 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	4.503	4.98	5	Pass

Agilent
Measure

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.593 000 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5035 MHz	x dB -26.00 dB
Transmit Freq Error -3.069 kHz	
x dB Bandwidth 4.980 MHz	

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16.4. 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	4.494	5.007	5	Pass

Agilent
Measure

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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 %
	x dB	-26.00 dB
Transmit Freq Error	-4.706 kHz	
x dB Bandwidth	5.007 MHz	

Power Stat

CCDF

More

1 of 2

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16.5. 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	4.492	5.015	5	Pass

Agilent
Measure

Ch Freq 2.6875 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 11.7 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 %

4.4924 MHz x dB -26.00 dB

Transmit Freq Error 2.619 kHz

x dB Bandwidth 5.015 MHz

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16.6. 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	4.501	4.972	5	Pass

Agilent
Measure

Ch Freq 2.6875 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 11.7 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 %
4.5007 MHz	x dB	-26.00 dB
Transmit Freq Error	-307.363 Hz	
x dB Bandwidth	4.972 MHz	

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16.7. 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	8.993	9.916	10	Pass

Agilent
Measure

Ch Freq 2.501 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 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 %

8.9928 MHz **x dB** -26.00 dB

Transmit Freq Error 19.830 kHz

x dB Bandwidth 9.916 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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16.8. 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	8.991	9.952	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
11.5

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 %

8.9907 MHz
x dB -26.00 dB

Transmit Freq Error 2.235 kHz

x dB Bandwidth 9.952 MHz

Power Stat
CCDF

More
1 of 2

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16.9. 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	8.995	10.105	10	Pass

Agilent
Measure

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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 %

8.9951 MHz **x dB** -26.00 dB

Transmit Freq Error 1.983 kHz

x dB Bandwidth 10.105 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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16.10. 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	8.964	9.932	10	Pass

Agilent
Measure

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 20 MHz

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

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

8.9640 MHz **x dB** -26.00 dB

Transmit Freq Error -1.747 kHz

x dB Bandwidth 9.932 MHz

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16.11. 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	9.027	10.034	10	Pass

Agilent
Measure

Ch Freq 2.685 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 2.685 00 GHz Span 20 MHz

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

Occupied Bandwidth 9.0270 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 2.554 kHz

x dB Bandwidth 10.034 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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16.12. 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	8.998	9.991	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

11.7

dB

Center 2.685 00 GHz Span 20 MHz

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

Occupied Bandwidth

8.9976 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -3.842 kHz

x dB Bandwidth 9.991 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

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16.13. 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	13.513	15.056	15	Pass

Agilent
Measure

Ch Freq 2.5035 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.503 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5129 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.867 kHz	
x dB Bandwidth	15.056 MHz	

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16.14. 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	13.472	14.924	15	Pass

Agilent

Measure

Ch Freq 2.5035 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
 #Peak
 Log
 10
 dB/
 Offst
 11.5
 dB

#Atten 30 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 %
13.4720 MHz	x dB	-26.00 dB
Transmit Freq Error	-10.510 kHz	
x dB Bandwidth	14.924 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

16.15. 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	13.438	15.006	15	Pass

Agilent
Measure

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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)

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

13.4383 MHz **x dB** -26.00 dB

Transmit Freq Error 2.364 kHz

x dB Bandwidth 15.006 MHz

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16.16. 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	13.532	15.035	15	Pass

Agilent

Measure

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

Occupied Bandwidth

13.5316 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 8.290 kHz
x dB Bandwidth 15.035 MHz

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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16.17. 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	13.47	15.418	15	Pass

Agilent
Measure

Ch Freq 2.6825 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.682 50 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

13.4704 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 11.303 kHz

x dB Bandwidth 15.418 MHz

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16.18. 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	13.514	15.01	15	Pass

Agilent

Measure

Ch Freq 2.6825 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.682 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
13.5138 MHz	x dB	-26.00 dB
Transmit Freq Error	2.069 kHz	
x dB Bandwidth	15.010 MHz	

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16.19. 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	18.003	19.75	20	Pass

Agilent
Measure

Ch Freq 2.506 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Occupied Bandwidth	Occ BW % Pwr 99.00 %
18.0026 MHz	x dB -26.00 dB
Transmit Freq Error -8.124 kHz	
x dB Bandwidth 19.750 MHz	

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16.20. 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	17.945	19.742	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 %
17.9450 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.265 kHz	
x dB Bandwidth	19.742 MHz	

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

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16.21. 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	17.96	19.7	20	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 40 MHz
#Res BW 390 kHz #VBW 1.2 MHz #Sweep 15 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

17.9603 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 26.896 kHz
x dB Bandwidth 19.700 MHz

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16.22. 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	17.971	19.803	20	Pass

Agilent
Measure

Ch Freq 2.593 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 40 MHz

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

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

17.9706 MHz **x dB** -26.00 dB

Transmit Freq Error 5.374 kHz

x dB Bandwidth 19.803 MHz

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16.23. 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	17.988	19.861	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

17.9879 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 10.312 kHz

x dB Bandwidth 19.861 MHz

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16.24. 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	17.96	19.807	20	Pass

Agilent

Measure

Ch Freq 2.68 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 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 %
17.9596 MHz	x dB	-26.00 dB
Transmit Freq Error	23.780 kHz	
x dB Bandwidth	19.807 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

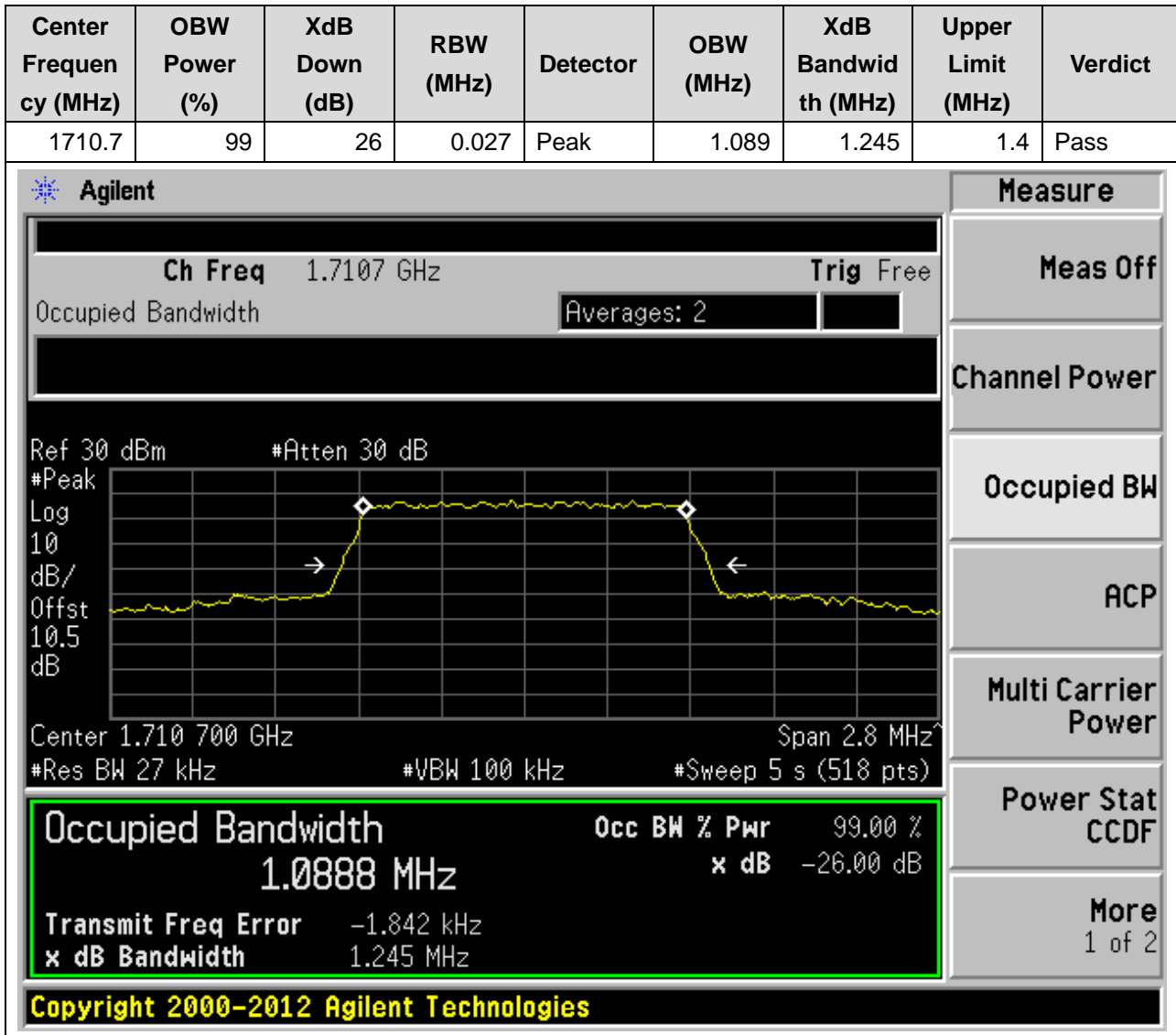
Multi Carrier Power

Power Stat CCDF

More
1 of 2

17. LTE_Band66

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



17.2. 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	1.099	1.251	1.4	Pass

Agilent
Measure

Ch Freq 1.7107 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 1.710 700 GHz Span 2.8 MHz

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

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

1.0989 MHz **x dB** -26.00 dB

Transmit Freq Error 305.322 Hz

x dB Bandwidth 1.251 MHz

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17.3. 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	1.091	1.25	1.4	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

10.5

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 %
1.0909 MHz	x dB	-26.00 dB
Transmit Freq Error	-460.690 Hz	
x dB Bandwidth	1.250 MHz	

Power Stat
CCDF

More
1 of 2

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17.4. 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	1.088	1.242	1.4	Pass

Agilent
Measure

Ch Freq 1.745 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 2.8 MHz

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

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

1.0875 MHz **x dB** -26.00 dB

Transmit Freq Error -105.674 Hz

x dB Bandwidth 1.242 MHz

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17.5. 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	1.095	1.244	1.4	Pass

Agilent
Measure

Ch Freq 1.7793 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 1.779 300 GHz Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.0947 MHz	x dB	-26.00 dB
Transmit Freq Error	-1.492 kHz	
x dB Bandwidth	1.244 MHz	

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17.6. 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	1.094	1.247	1.4	Pass

Agilent

Measure

Ch Freq 1.7793 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.6

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 %
1.0942 MHz	x dB	-26.00 dB
Transmit Freq Error	-705.952 Hz	
x dB Bandwidth	1.247 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

17.7. 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	2.722	3.042	3	Pass

Agilent

Measure

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 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 %

2.7219 MHz x dB -26.00 dB

Transmit Freq Error 219.617 Hz

x dB Bandwidth 3.042 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

17.8. 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	2.73	3.059	3	Pass

Agilent
Measure

Ch Freq 1.7115 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 1.711 500 GHz Span 6 MHz

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

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

2.7304 MHz **x dB** -26.00 dB

Transmit Freq Error 5.367 kHz

x dB Bandwidth 3.059 MHz

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17.9. 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	2.721	3.051	3	Pass

Agilent
Measure

Ch Freq 1.745 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 1.745 000 GHz Span 6 MHz

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

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

2.7206 MHz **x dB** -26.00 dB

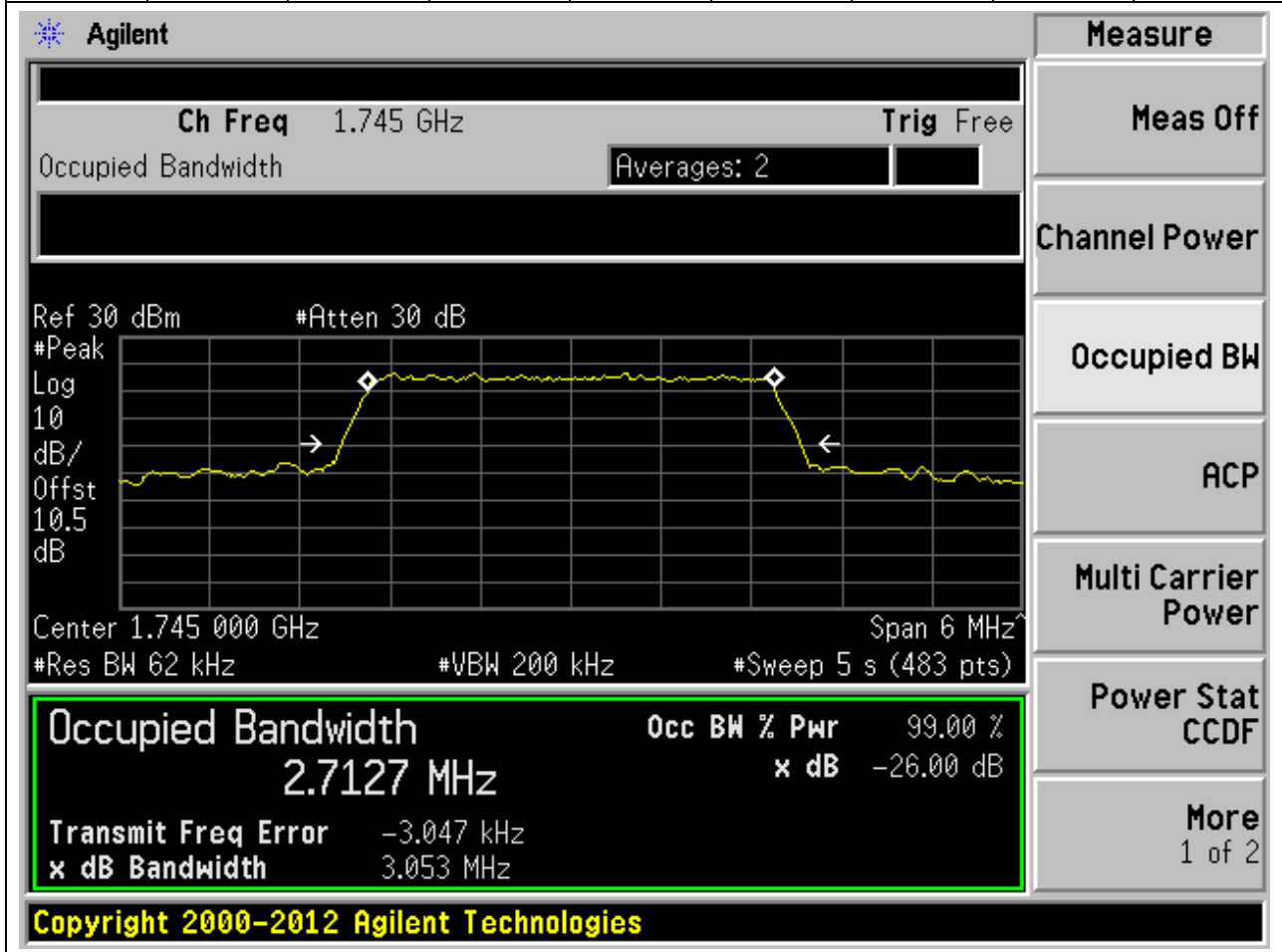
Transmit Freq Error 1.692 kHz

x dB Bandwidth 3.051 MHz

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17.10. 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	2.713	3.053	3	Pass



17.11. 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	2.71	3.049	3	Pass

Agilent
Measure

Ch Freq 1.7785 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 1.778 500 GHz Span 6 MHz

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

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

2.7105 MHz **x dB** -26.00 dB

Transmit Freq Error -2.207 kHz

x dB Bandwidth 3.049 MHz

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17.12. 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	2.721	3.07	3	Pass

Agilent
Measure

Ch Freq 1.7785 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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 %

2.7207 MHz

x dB -26.00 dB

Transmit Freq Error -6.262 kHz

x dB Bandwidth 3.070 MHz

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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17.13. 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	4.52	4.985	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

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 %

4.5199 MHz

x dB -26.00 dB

Transmit Freq Error 259.183 Hz

x dB Bandwidth 4.985 MHz

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17.14. 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	4.504	4.971	5	Pass

Agilent

Measure

Ch Freq 1.7125 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

#Peak

Log

10

dB/

Offst

10.5

dB

Center 1.712 500 GHz Span 10 MHz

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

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

4.5039 MHz

Transmit Freq Error -6.801 kHz

x dB Bandwidth 4.971 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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17.15. 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	4.505	5.004	5	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
 10.5
 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 %
4.5048 MHz	x dB	-26.00 dB
Transmit Freq Error	-3.495 kHz	
x dB Bandwidth	5.004 MHz	

Power Stat
CCDF

More
1 of 2

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17.16. 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	4.517	5.004	5	Pass

Agilent

Measure

Ch Freq 1.745 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

10.5

dB

Center 1.745 000 GHz Span 10 MHz

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

Occupied Bandwidth

4.5172 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -4.776 kHz

x dB Bandwidth 5.004 MHz

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17.17. 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	4.496	4.98	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
10.6

dB

Center 1.777 500 GHz
Span 10 MHz

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

Occupied Bandwidth
4.4957 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error
-3.763 kHz

x dB Bandwidth
4.980 MHz

More
1 of 2

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17.18. 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	4.512	4.995	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 10.6 dB
Center 1.777 500 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

4.5121 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -6.882 kHz

x dB Bandwidth 4.995 MHz

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17.19. 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	8.998	9.902	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz Trig Free

Occupied Bandwidth Averages: 2

Center 1.715 00 GHz Span 20 MHz

#Res BW 200 kHz #VBW 620 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

8.9977 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 11.063 kHz

x dB Bandwidth 9.902 MHz

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17.20. 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	8.984	9.937	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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)

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

8.9837 MHz **x dB** -26.00 dB

Transmit Freq Error 20.350 kHz

x dB Bandwidth 9.937 MHz

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17.21. 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	8.962	9.889	10	Pass

Agilent
Measure

Ch Freq 1.745 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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)

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

8.9616 MHz **x dB** -26.00 dB

Transmit Freq Error 4.375 kHz

x dB Bandwidth 9.889 MHz

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17.22. 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	9	9.991	10	Pass

Agilent
Measure

Ch Freq 1.745 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

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)

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

9.0002 MHz **x dB** -26.00 dB

Transmit Freq Error -5.638 kHz

x dB Bandwidth 9.991 MHz

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17.23. 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	8.989	9.905	10	Pass

Agilent
Measure

Ch Freq 1.775 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 1.775 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9892 MHz x dB -26.00 dB

Transmit Freq Error -9.876 kHz

x dB Bandwidth 9.905 MHz

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17.24. 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	8.983	10.012	10	Pass

Agilent

Measure

Ch Freq 1.775 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
 Log
 10
 dB/
 Offst
 10.6
 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 %

8.9827 MHz

Transmit Freq Error -5.453 kHz

x dB -26.00 dB

x dB Bandwidth 10.012 MHz

More

1 of 2

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17.25. 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	13.485	14.995	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 %

13.4846 MHz

x dB -26.00 dB

Transmit Freq Error 7.863 kHz

x dB Bandwidth 14.995 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

17.26. 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	13.497	15	15	Pass

Agilent
Measure

Ch Freq 1.7175 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 1.717 50 GHz Span 30 MHz

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

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

13.4973 MHz **x dB** -26.00 dB

Transmit Freq Error 24.021 kHz

x dB Bandwidth 15.000 MHz

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17.27. 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	13.435	14.926	15	Pass

Agilent
Measure

Ch Freq 1.745 GHz **Trig** Free

Occupied Bandwidth Averages: 2

Meas Off

Ref 30 dBm #Atten 30 dB

Center 1.745 00 GHz Span 30 MHz

#Res BW 300 kHz #VBW 1 MHz #Sweep 5 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 %

13.4349 MHz **x dB** -26.00 dB

Transmit Freq Error -1.738 kHz

x dB Bandwidth 14.926 MHz

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17.28. 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	13.511	15.086	15	Pass

Agilent
Measure

Ch Freq 1.745 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 1.745 00 GHz Span 30 MHz

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

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

13.5105 MHz **x dB** -26.00 dB

Transmit Freq Error -9.034 kHz

x dB Bandwidth 15.086 MHz

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17.29. 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	13.476	15.06	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
 10.6
 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 %

13.4760 MHz

x dB -26.00 dB

Transmit Freq Error -4.669 kHz

x dB Bandwidth 15.060 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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17.30. 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	13.471	15.021	15	Pass

Agilent
Measure

Ch Freq 1.7725 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 1.772 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4710 MHz	x dB -26.00 dB
Transmit Freq Error -5.014 kHz	
x dB Bandwidth 15.021 MHz	

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17.31. 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	17.99	19.716	20	Pass

Agilent

Measure

Ch Freq 1.72 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 1.720 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 %
17.9901 MHz	x dB	-26.00 dB
Transmit Freq Error		7.909 kHz
x dB Bandwidth		19.716 MHz

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17.32. 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	18.007	19.824	20	Pass

Agilent
Measure

Ch Freq 1.72 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 1.720 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 %

18.0072 MHz **x dB** -26.00 dB

Transmit Freq Error 33.001 kHz

x dB Bandwidth 19.824 MHz

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17.33. 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	18	19.721	20	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 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
18.0000 MHz	x dB	-26.00 dB
Transmit Freq Error	35.755 kHz	
x dB Bandwidth	19.721 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More

1 of 2

17.34. 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	18.01	19.914	20	Pass

Agilent
Measure

Ch Freq 1.745 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 1.745 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 %

18.0102 MHz **x dB** -26.00 dB

Transmit Freq Error -24.969 kHz

x dB Bandwidth 19.914 MHz

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17.35. 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	18.008	19.891	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)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

18.0082 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

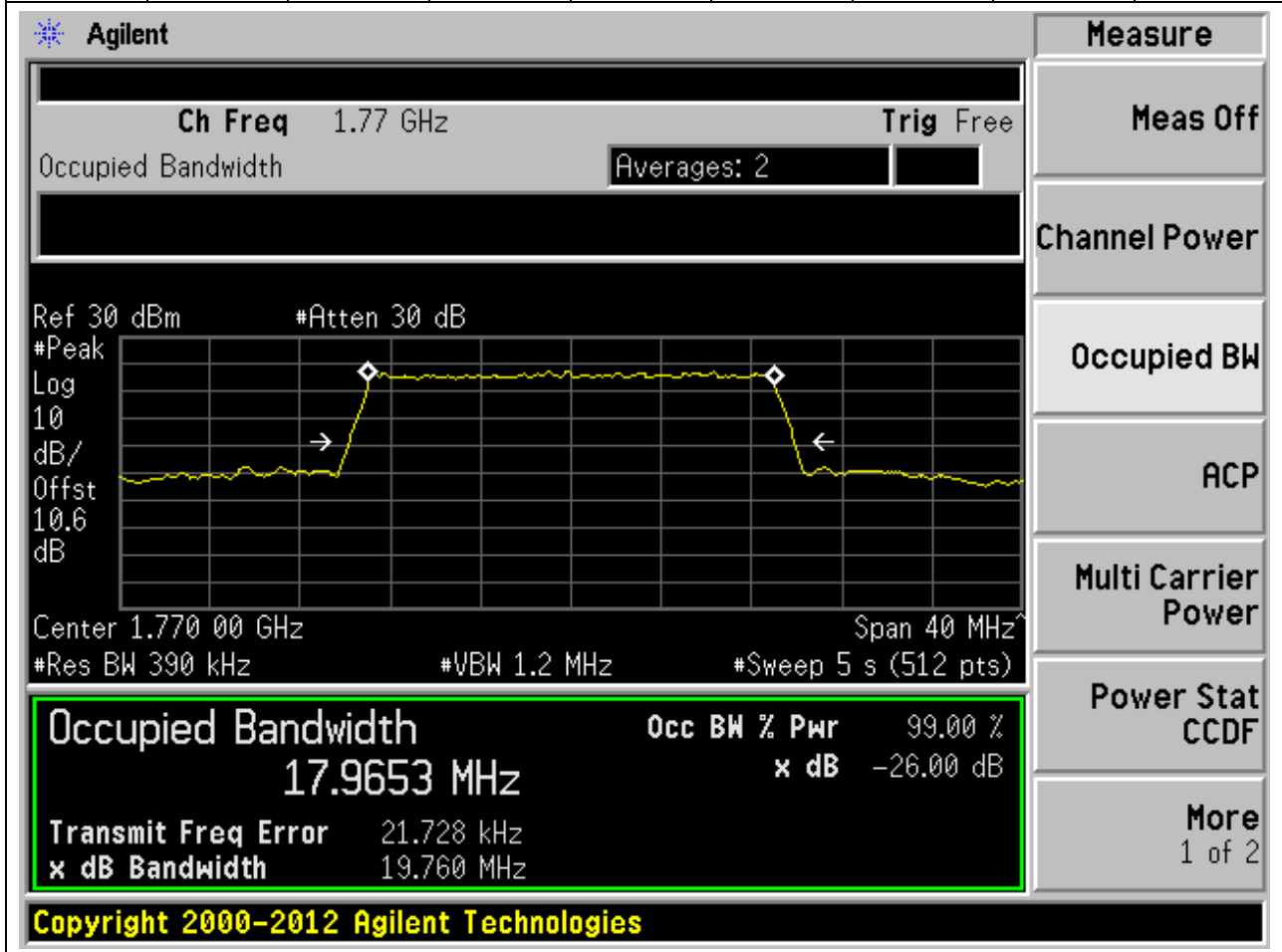
Transmit Freq Error -4.172 kHz

x dB Bandwidth 19.891 MHz

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17.36. 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	17.965	19.76	20	Pass



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