

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.999	9.811	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.615 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot parameters include 'Ref 30 dBm', '#Atten 30 dB', 'Log', '10 dB/Offst', and '11.9 dB'. The plot shows a signal with a peak at approximately 2.615 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 8.9989 MHz. Other parameters shown include 'Occ BW % Pwr 99.00 %', 'x dB -26.00 dB', 'Transmit Freq Error -18.592 kHz', and 'x dB Bandwidth 9.811 MHz'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

16.12. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:12, Channel:38200, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2615	99	26	0.2	Peak	8.973	9.829	10	Pass

Agilent

Measure

Ch Freq 2.615 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak

Log

10

dB/

Offst

11.9

dB

Center 2.615 00 GHz
Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9734 MHz	x dB -26.00 dB
Transmit Freq Error	-14.681 kHz
x dB Bandwidth	9.829 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: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	13.451	14.964	15	Pass

Agilent
Measure

Ch Freq 2.5775 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.1

dB

Center 2.577 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4512 MHz	x dB -26.00 dB
Transmit Freq Error 23.887 kHz	
x dB Bandwidth 14.964 MHz	

Power Stat CCDF
More

1 of 2

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16.14. 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	13.482	15.264	15	Pass

Agilent
Measure

Ch Freq 2.5775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.577 50 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

13.4817 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 10.197 kHz

x dB Bandwidth 15.264 MHz

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16.15. 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	13.427	14.956	15	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 2.595 00 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.4275 MHz
x dB -26.00 dB

Transmit Freq Error 1.166 kHz

x dB Bandwidth 14.956 MHz

Power Stat CCDF

More

1 of 2

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16.16. 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	13.508	15.224	15	Pass

Agilent

Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth

Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak

Log
10

dB/
Offst

12
dB

Center 2.595 00 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.5081 MHz	x dB -26.00 dB
Transmit Freq Error 10.633 kHz	
x dB Bandwidth 15.224 MHz	

Power Stat CCDF

More

1 of 2

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16.17. 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	13.446	15.894	15	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.6125 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with 'dB/Offst 11.9 dB'. The center frequency is 2.6125 GHz and the span is 30 MHz. The resolution bandwidth is 300 kHz, video bandwidth is 1 MHz, and the sweep time is 10 seconds (500 points). The plot shows a signal with a peak at approximately 2.6125 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 13.4462 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error 75.184 Hz' and 'x dB Bandwidth 15.894 MHz'. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

16.18. 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	13.485	14.732	15	Pass

Agilent
Measure

Ch Freq 2.6125 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.9

dB

Center 2.612 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4853 MHz	x dB -26.00 dB
Transmit Freq Error	-25.251 kHz
x dB Bandwidth	14.732 MHz

Power Stat CCDF
More

1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2580	99	26	0.39	Peak	17.954	19.368	20	Pass

Agilent
Measure

Ch Freq 2.58 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12.1

dB

Center 2.580 00 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

17.9540 MHz
x dB -26.00 dB

Transmit Freq Error -429.321 Hz

x dB Bandwidth 19.368 MHz

Power Stat CCDF

More
1 of 2

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16.20. 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	17.921	19.483	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.58 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with 'dB/Offst 12.1 dB'. The center frequency is 2.58000 GHz and the span is 40 MHz. The resolution bandwidth (Res BW) is 390 kHz, the video bandwidth (VBW) is 1.2 MHz, and the sweep time is 10 s (512 pts). A green box highlights the 'Occupied Bandwidth' measurement results: 17.9214 MHz. Other parameters shown include 'Occ BW % Pwr' at 99.00% and 'x dB' at -26.00 dB. The 'Transmit Freq Error' is 1.711 kHz and the 'x dB Bandwidth' is 19.483 MHz. The interface also includes a 'Measure' menu on the right with options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen shows the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

16.21. 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	17.914	19.645	20	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 2.595 00 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9141 MHz	x dB -26.00 dB
Transmit Freq Error 7.364 kHz	
x dB Bandwidth 19.645 MHz	

Power Stat CCDF
More

1 of 2

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16.22. 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	17.925	19.738	20	Pass

Agilent
Measure

Ch Freq 2.595 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
12

dB

Center 2.595 00 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

17.9247 MHz
x dB -26.00 dB

Transmit Freq Error -2.867 kHz

x dB Bandwidth 19.738 MHz

Power Stat CCDF

More
1 of 2

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16.23. 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	17.959	19.964	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.61 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with a 'Ref 30 dBm' and '#Atten 30 dB'. The y-axis is labeled 'dB/Offst 11.9 dB'. The x-axis shows 'Center 2.610 00 GHz' and 'Span 40 MHz'. Below the plot, the following parameters are listed: '#Res BW 390 kHz', '#VBW 1.2 MHz', and '#Sweep 10 s (512 pts)'. A green box highlights the 'Occupied Bandwidth' measurement results: 'Occupied Bandwidth 17.9589 MHz', 'Occ BW % Pwr 99.00 %', and 'x dB -26.00 dB'. Other parameters shown include 'Transmit Freq Error -29.500 kHz' and 'x dB Bandwidth 19.964 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.

16.24. 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	17.903	19.455	20	Pass

Agilent
Measure

Ch Freq 2.61 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.9

dB

Center 2.610 00 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

17.9032 MHz
x dB -26.00 dB

Transmit Freq Error -12.671 kHz

x dB Bandwidth 19.455 MHz

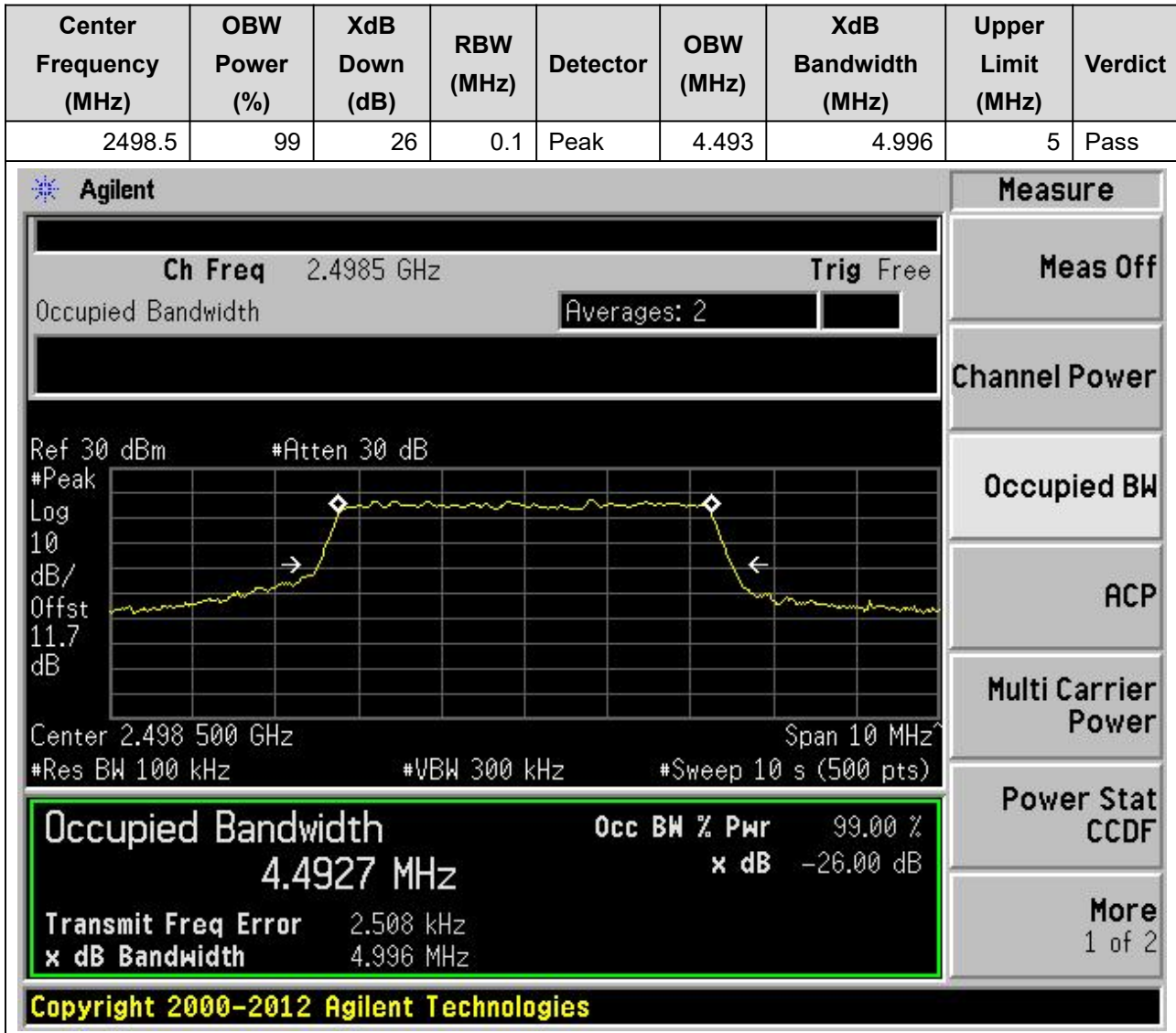
Power Stat CCDF

More
1 of 2

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17. LTE_Band41 full

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



17.2. 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	4.498	5.044	5	Pass

Agilent
Measure

Ch Freq 2.4985 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.498 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4984 MHz	x dB -26.00 dB
Transmit Freq Error 1.692 kHz	
x dB Bandwidth 5.044 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

17.3. 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	4.504	4.943	5	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
12

dB

Center 2.593 000 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5036 MHz	x dB -26.00 dB
Transmit Freq Error	-437.037 Hz
x dB Bandwidth	4.943 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

17.4. 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	4.488	5.008	5	Pass

Agilent
Measure

Ch Freq 2.593 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 000 GHz Span 10 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

4.4877 MHz

Transmit Freq Error -1.433 kHz

x dB Bandwidth 5.008 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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17.5. 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	4.497	5.054	5	Pass

Agilent
Measure

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.687 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4966 MHz	x dB -26.00 dB
Transmit Freq Error -1.080 kHz	
x dB Bandwidth 5.054 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

17.6. 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	4.493	4.981	5	Pass

Agilent
Measure

Ch Freq 2.6875 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.687 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4934 MHz	x dB -26.00 dB
Transmit Freq Error 342.321 Hz	
x dB Bandwidth 4.981 MHz	

Power Stat CCDF

More 1 of 2

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17.7. 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	8.98	10.051	10	Pass

Agilent

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

Ch Freq 2.501 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.501 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9798 MHz

x dB -26.00 dB

Transmit Freq Error 20.015 kHz

x dB Bandwidth 10.051 MHz

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17.8. 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	8.977	9.751	10	Pass

The screenshot displays the Agilent spectrum analyzer interface. The main display shows a spectrum plot with a yellow trace. The center frequency is 2.501 GHz and the span is 20 MHz. The occupied bandwidth is highlighted as 8.9768 MHz. The power level is 99.00% and the XdB down is -26.00 dB. The interface includes various measurement buttons on the right side, such as 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More'. The bottom of the screen shows the copyright information: 'Copyright 2000-2012 Agilent Technologies'.

Occupied Bandwidth	Occ BW % Pwr	99.00 %
8.9768 MHz	x dB	-26.00 dB
Transmit Freq Error	12.378 kHz	
x dB Bandwidth	9.751 MHz	

17.9. 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	8.984	10.171	10	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

12

dB

Center 2.593 00 GHz
Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9843 MHz	x dB -26.00 dB
Transmit Freq Error	-3.908 kHz
x dB Bandwidth	10.171 MHz

Power Stat
CCDF

More
1 of 2

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17.10. 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	8.945	9.784	10	Pass

Agilent
Measure

Ch Freq 2.593 GHz
Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.593 00 GHz Span 20 MHz
 #Res BW 200 kHz #VBW 620 kHz #Sweep 10 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9454 MHz	x dB -26.00 dB
Transmit Freq Error -11.027 kHz	
x dB Bandwidth 9.784 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

17.11. 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	8.986	9.811	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
12

dB

Center 2.685 00 GHz
Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9857 MHz	x dB -26.00 dB
Transmit Freq Error	-11.930 kHz
x dB Bandwidth	9.811 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

17.12. 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	8.971	9.819	10	Pass

Agilent
Measure

Ch Freq 2.685 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.685 00 GHz Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9714 MHz	x dB -26.00 dB
Transmit Freq Error	-6.830 kHz
x dB Bandwidth	9.819 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

17.13. 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	13.455	15.046	15	Pass

Agilent
Measure

Ch Freq 2.5035 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.503 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4552 MHz	x dB -26.00 dB
Transmit Freq Error 30.337 kHz	
x dB Bandwidth 15.046 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

17.14. 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	13.467	15.245	15	Pass

Agilent
Measure

Ch Freq 2.5035 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.503 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4667 MHz	x dB -26.00 dB
Transmit Freq Error 20.267 kHz	
x dB Bandwidth 15.245 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

17.15. 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	13.432	14.946	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

12
dB

Center 2.593 00 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4317 MHz	x dB -26.00 dB
Transmit Freq Error	-954.017 Hz
x dB Bandwidth	14.946 MHz

Power Stat
CCDF

More
1 of 2

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17.16. 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	13.5	15.067	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
12

dB

Center 2.593 00 GHz
Span 30 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

13.5003 MHz
x dB -26.00 dB

Transmit Freq Error -6.078 kHz

x dB Bandwidth 15.067 MHz

Power Stat CCDF

More

1 of 2

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17.17. 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	13.444	15.918	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

12

dB

Center 2.682 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4436 MHz	x dB -26.00 dB
Transmit Freq Error -7.899 kHz	
x dB Bandwidth 15.918 MHz	

Power Stat CCDF

More 1 of 2

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

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17.18. 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	13.489	14.772	15	Pass

Agilent
Measure

Ch Freq 2.6825 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.682 50 GHz Span 30 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

13.4886 MHz

Transmit Freq Error -32.006 kHz

x dB Bandwidth 14.772 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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17.19. 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	17.942	19.34	20	Pass

Agilent

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

Ch Freq 2.506 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 11.7 dB

Center 2.506 00 GHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.9422 MHz	x dB	-26.00 dB
Transmit Freq Error	21.466 kHz	
x dB Bandwidth	19.340 MHz	

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17.20. 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	17.914	19.449	20	Pass

Agilent
Measure

Ch Freq 2.506 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
11.7

dB

Center 2.506 00 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9144 MHz	x dB -26.00 dB
Transmit Freq Error 14.959 kHz	
x dB Bandwidth 19.449 MHz	

Power Stat CCDF
More

1 of 2

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17.21. 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	17.911	19.509	20	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
12

dB

Center 2.593 00 GHz
Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9113 MHz	x dB -26.00 dB
Transmit Freq Error 3.059 kHz	
x dB Bandwidth 19.509 MHz	

Power Stat CCDF
More

1 of 2

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17.22. 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	17.929	19.646	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 10 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

17.9287 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -8.717 kHz

x dB Bandwidth 19.646 MHz

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17.23. 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	17.963	20.15	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 10 s (512 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9627 MHz	x dB -26.00 dB
Transmit Freq Error	-33.757 kHz
x dB Bandwidth	20.150 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

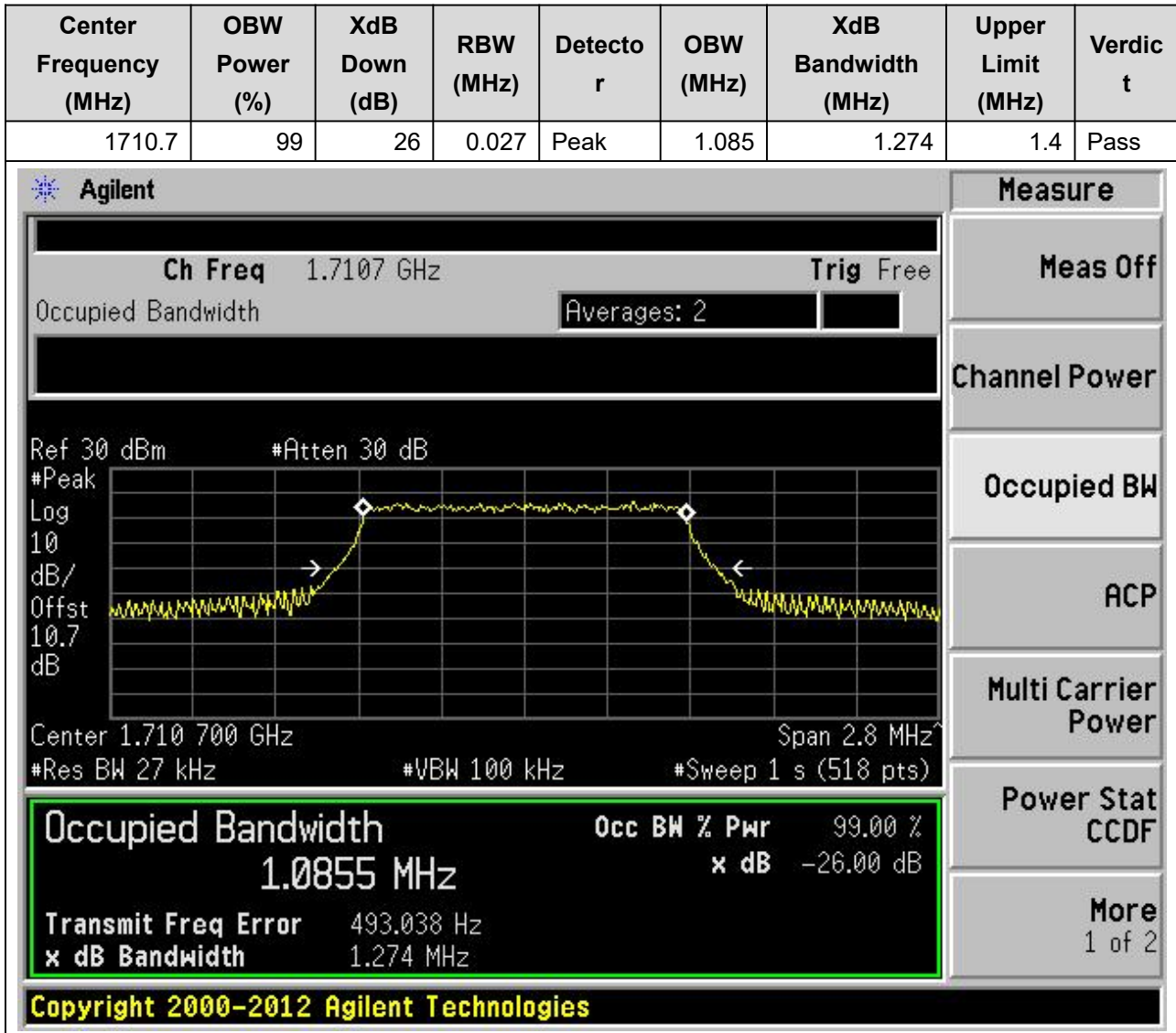
17.24. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:24, Channel:41490, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

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	17.901	19.448	20	Pass

The screenshot displays the Agilent spectrum analyzer interface. At the top, it shows 'Ch Freq 2.68 GHz' and 'Trig Free'. The main display area shows a spectrum plot with a yellow trace. The plot is set to 'Log' scale with 'dB/Offst' of 12 dB. The center frequency is 2.68000 GHz and the span is 40 MHz. The resolution bandwidth (Res BW) is 390 kHz, the video bandwidth (VBW) is 1.2 MHz, and the sweep time is 10 s (512 pts). The plot shows a signal with a peak at approximately 2.68 GHz. The 'Occupied Bandwidth' is highlighted in a green box, showing a value of 17.9006 MHz. The 'Occ BW % Pwr' is 99.00% and the 'x dB' is -26.00 dB. Other parameters shown include 'Transmit Freq Error' of -24.804 kHz and 'x dB Bandwidth' of 19.448 MHz. The 'Measure' menu on the right includes options like 'Meas Off', 'Channel Power', 'Occupied BW', 'ACP', 'Multi Carrier Power', 'Power Stat CCDF', and 'More 1 of 2'. The bottom of the screen displays the copyright notice 'Copyright 2000-2012 Agilent Technologies'.

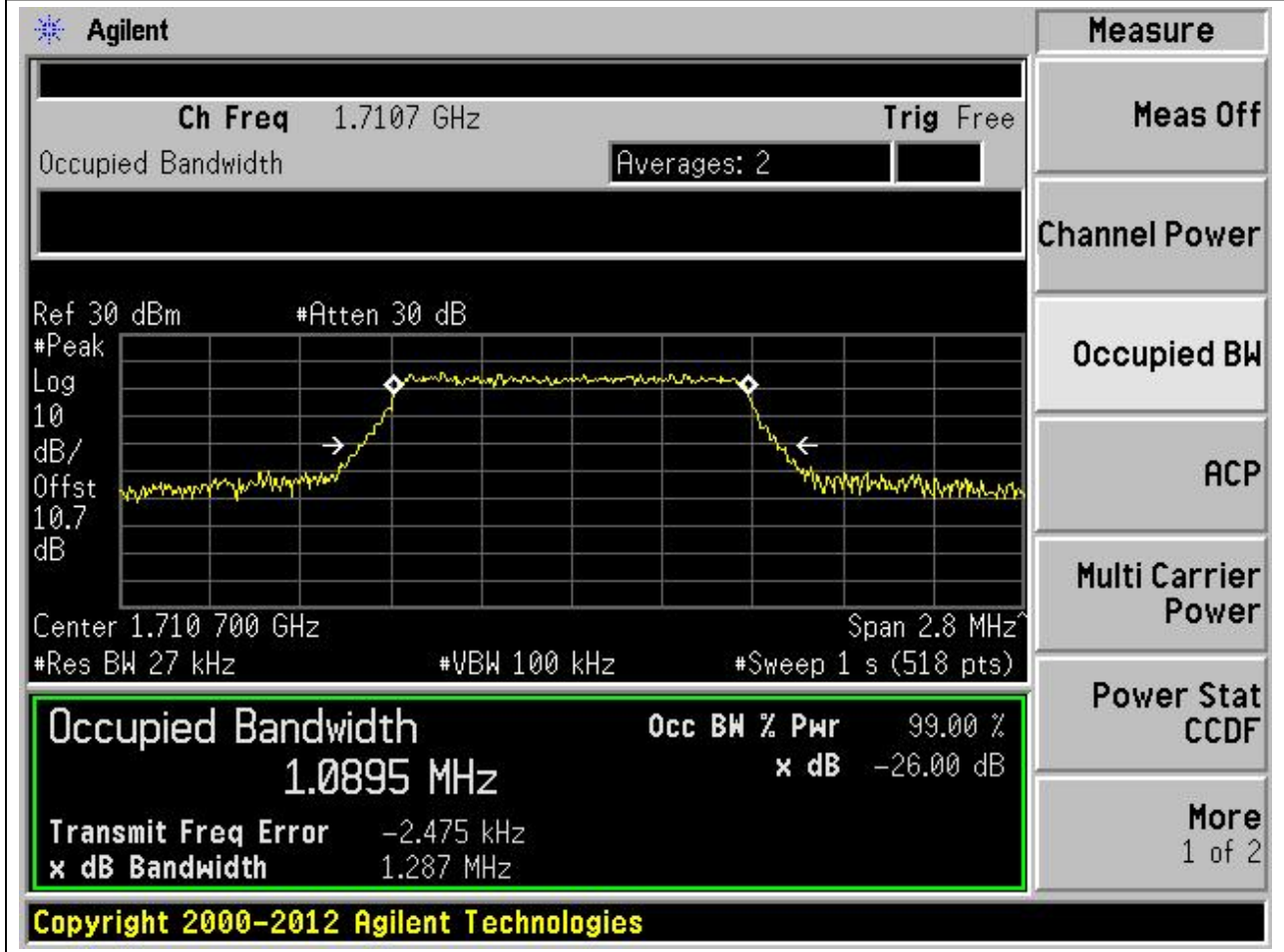
18. LTE_Band66

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



18.2. 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	1.089	1.287	1.4	Pass



18.3. 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	1.088	1.307	1.4	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 000 GHz Span 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

1.0880 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error -585.551 Hz

x dB Bandwidth 1.307 MHz

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18.4. 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	1.084	1.263	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
10.8

dB

Center 1.745 000 GHz
Span 2.8 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

1.0845 MHz
x dB -26.00 dB

Transmit Freq Error -221.451 Hz

x dB Bandwidth 1.263 MHz

Power Stat CCDF

More

1 of 2

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18.5. 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	1.09	1.269	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 10.8 dB

Center 1.779 300 GHz Span 2.8 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

Occupied Bandwidth

1.0899 MHz

Transmit Freq Error -3.056 kHz

x dB Bandwidth 1.269 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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18.6. 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	1.088	1.279	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

10.8

dB

Center 1.779 300 GHz Span 2.8 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
1.0879 MHz	x dB -26.00 dB
Transmit Freq Error	426.295 Hz
x dB Bandwidth	1.279 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

18.7. 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	2.698	2.953	3	Pass

Agilent
Measure

Ch Freq 1.7115 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.711 500 GHz Span 6 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

2.6976 MHz x dB -26.00 dB

Transmit Freq Error -1.489 kHz

x dB Bandwidth 2.953 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

18.8. 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	2.695	2.931	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 1 s (483 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
2.6949 MHz	x dB	-26.00 dB
Transmit Freq Error	223.327 Hz	
x dB Bandwidth	2.931 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

18.9. 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	2.707	2.946	3	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.745 000 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.7065 MHz
x dB -26.00 dB

Transmit Freq Error -395.782 Hz

x dB Bandwidth 2.946 MHz

Power Stat CCDF

More
1 of 2

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18.10. 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	2.693	2.952	3	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.745 000 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.6930 MHz
x dB -26.00 dB

Transmit Freq Error
-1.231 kHz

x dB Bandwidth
2.952 MHz

Power Stat
CCDF

More
1 of 2

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18.11. 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	2.704	2.947	3	Pass

Agilent
Measure

Ch Freq 1.7785 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.778 500 GHz
Span 6 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

2.7041 MHz
x dB -26.00 dB

Transmit Freq Error -2.633 kHz

x dB Bandwidth 2.947 MHz

Power Stat CCDF

More
1 of 2

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18.12. 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	2.694	2.967	3	Pass

Agilent
Measure

Ch Freq 1.7785 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.778 500 GHz Span 6 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
2.6942 MHz	x dB -26.00 dB
Transmit Freq Error	-3.999 kHz
x dB Bandwidth	2.967 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

18.13. 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	4.494	4.963	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 1 s (500 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4944 MHz	x dB -26.00 dB
Transmit Freq Error 1.338 kHz	
x dB Bandwidth 4.963 MHz	

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18.14. 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	4.486	4.898	5	Pass

Agilent

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

Ch Freq 1.7125 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.712 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
4.4860 MHz	x dB	-26.00 dB
Transmit Freq Error	1.471 kHz	
x dB Bandwidth	4.898 MHz	

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18.15. 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	4.488	4.949	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
10.8

dB

Center 1.745 000 GHz
Span 10 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

4.4882 MHz
x dB -26.00 dB

Transmit Freq Error 2.898 kHz

x dB Bandwidth 4.949 MHz

Power Stat CCDF

More

1 of 2

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18.16. 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	4.506	4.97	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
10.8

dB

Center 1.745 000 GHz
Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.5064 MHz	x dB -26.00 dB
Transmit Freq Error 1.214 kHz	
x dB Bandwidth 4.970 MHz	

Power Stat CCDF
More

1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1777.5	99	26	0.1	Peak	4.487	4.885	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
10.8

dB

Center 1.777 500 GHz
Span 10 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

4.4869 MHz
x dB -26.00 dB

Transmit Freq Error -4.192 kHz

x dB Bandwidth 4.885 MHz

Power Stat CCDF

More
1 of 2

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18.18. 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	4.49	4.959	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 10.8 dB

Center 1.777 500 GHz Span 10 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
4.4896 MHz	x dB -26.00 dB
Transmit Freq Error	-5.714 kHz
x dB Bandwidth	4.959 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

18.19. 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	8.975	9.878	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.715 00 GHz
Span 20 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

8.9748 MHz
x dB -26.00 dB

Transmit Freq Error 10.208 kHz

x dB Bandwidth 9.878 MHz

Power Stat CCDF

More

1 of 2

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18.20. 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	8.955	9.745	10	Pass

Agilent
Measure

Ch Freq 1.715 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.715 00 GHz
Span 20 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

8.9547 MHz
x dB -26.00 dB

Transmit Freq Error
14.746 kHz

x dB Bandwidth
9.745 MHz

Power Stat
CCDF

More
1 of 2

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18.21. 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	8.944	9.759	10	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.745 00 GHz Span 20 MHz

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

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

8.9444 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 640.212 Hz

x dB Bandwidth 9.759 MHz

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18.22. LTE Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:22, Channel:132322, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.2	Peak	8.956	9.787	10	Pass

Agilent
Measure

Ch Freq 1.745 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.745 00 GHz
Span 20 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
8.9555 MHz	x dB -26.00 dB
Transmit Freq Error	-1.749 kHz
x dB Bandwidth	9.787 MHz

Power Stat CCDF
More

1 of 2

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18.23. 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	8.967	9.897	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
10.8

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 %
8.9665 MHz	x dB -26.00 dB
Transmit Freq Error 1.578 kHz	
x dB Bandwidth 9.897 MHz	

Power Stat
CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1775	99	26	0.2	Peak	8.956	9.812	10	Pass

Agilent
Measure

Ch Freq 1.775 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 1.775 00 GHz Span 20 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

8.9557 MHz x dB -26.00 dB

Transmit Freq Error -14.378 kHz

x dB Bandwidth 9.812 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More 1 of 2

18.25. 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	13.435	14.626	15	Pass

Agilent
Measure

Ch Freq 1.7175 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.717 50 GHz Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4351 MHz	x dB -26.00 dB
Transmit Freq Error 9.653 kHz	
x dB Bandwidth 14.626 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

18.26. 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	13.453	14.642	15	Pass

Agilent
Measure

Ch Freq 1.7175 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.717 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4534 MHz	x dB -26.00 dB
Transmit Freq Error 7.367 kHz	
x dB Bandwidth 14.642 MHz	

Power Stat CCDF
More

1 of 2

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18.27. 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	13.463	14.776	15	Pass

Agilent
Measure

Ch Freq 1.745 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.8 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 %
13.4631 MHz	x dB -26.00 dB
Transmit Freq Error 3.569 kHz	
x dB Bandwidth 14.776 MHz	

Power Stat CCDF

More 1 of 2

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18.28. 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	13.454	14.67	15	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 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

13.4543 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 1.601 kHz

x dB Bandwidth 14.670 MHz

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18.29. 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	13.419	14.628	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 10.8 dB

Center 1.772 50 GHz 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

13.4193 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

Transmit Freq Error 1.783 kHz

x dB Bandwidth 14.628 MHz

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18.30. 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	13.439	14.695	15	Pass

Agilent
Measure

Ch Freq 1.7725 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.772 50 GHz
Span 30 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
13.4391 MHz	x dB -26.00 dB
Transmit Freq Error	-9.402 kHz
x dB Bandwidth	14.695 MHz

Power Stat CCDF
More

1 of 2

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18.31. 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	17.889	19.423	20	Pass

Agilent
Measure

Ch Freq 1.72 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.7

dB

Center 1.720 00 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

17.8894 MHz
x dB -26.00 dB

Transmit Freq Error 8.960 kHz

x dB Bandwidth 19.423 MHz

Power Stat CCDF

More

1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1720	99	26	0.39	Peak	17.905	19.417	20	Pass

Agilent
Measure

Ch Freq 1.72 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 10.7 dB

Center 1.720 00 GHz Span 40 MHz

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

Occupied Bandwidth	Occ BW % Pwr 99.00 %
17.9053 MHz	x dB -26.00 dB
Transmit Freq Error 24.377 kHz	
x dB Bandwidth 19.417 MHz	

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.948	19.418	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 %

17.9480 MHz x dB -26.00 dB

Transmit Freq Error -20.406 kHz

x dB Bandwidth 19.418 MHz

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Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1745	99	26	0.39	Peak	17.916	19.523	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
10.8

dB

Center 1.745 00 GHz
Span 40 MHz

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

Occupied Bandwidth
Occ BW % Pwr 99.00 %

17.9163 MHz
x dB -26.00 dB

Transmit Freq Error -2.171 kHz

x dB Bandwidth 19.523 MHz

Power Stat CCDF

More
1 of 2

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

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1770	99	26	0.39	Peak	17.927	19.569	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 1 s (512 pts)

Meas Off

Channel Power

Occupied BW

ACP

Multi Carrier Power

Power Stat CCDF

More
1 of 2

Occupied Bandwidth

17.9271 MHz

Transmit Freq Error -17.809 kHz

x dB Bandwidth 19.569 MHz

Occ BW % Pwr 99.00 %

x dB -26.00 dB

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18.36. 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	17.926	19.434	20	Pass

Agilent
Measure

Ch Freq 1.77 GHz
Trig Free

Occupied Bandwidth
Averages: 2

Ref 30 dBm
#Atten 30 dB

#Peak
Log

10
dB/

Offst
10.8

dB

Center 1.770 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 %

17.9260 MHz
x dB -26.00 dB

Transmit Freq Error 7.871 kHz

x dB Bandwidth 19.434 MHz

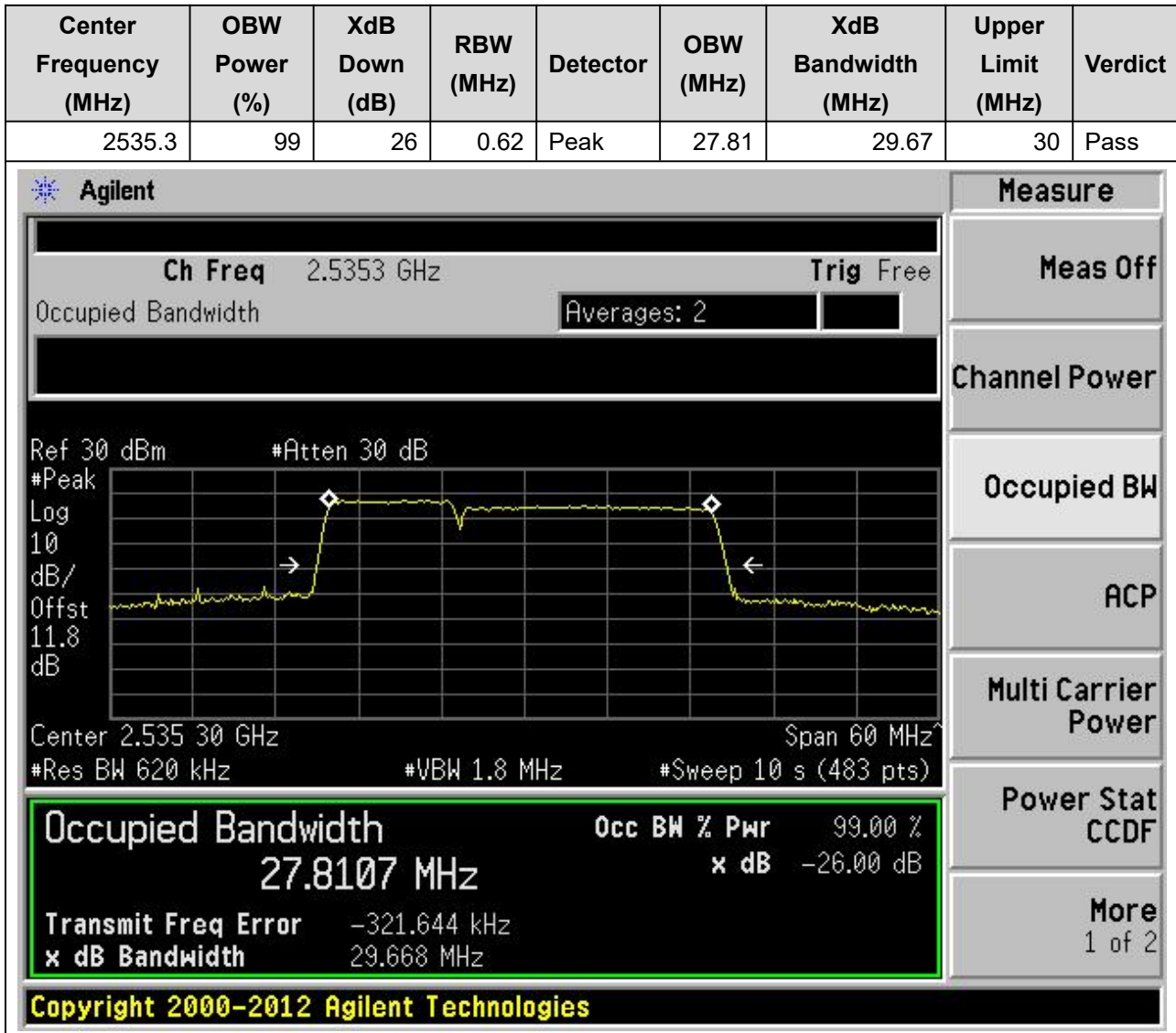
Power Stat CCDF

More
1 of 2

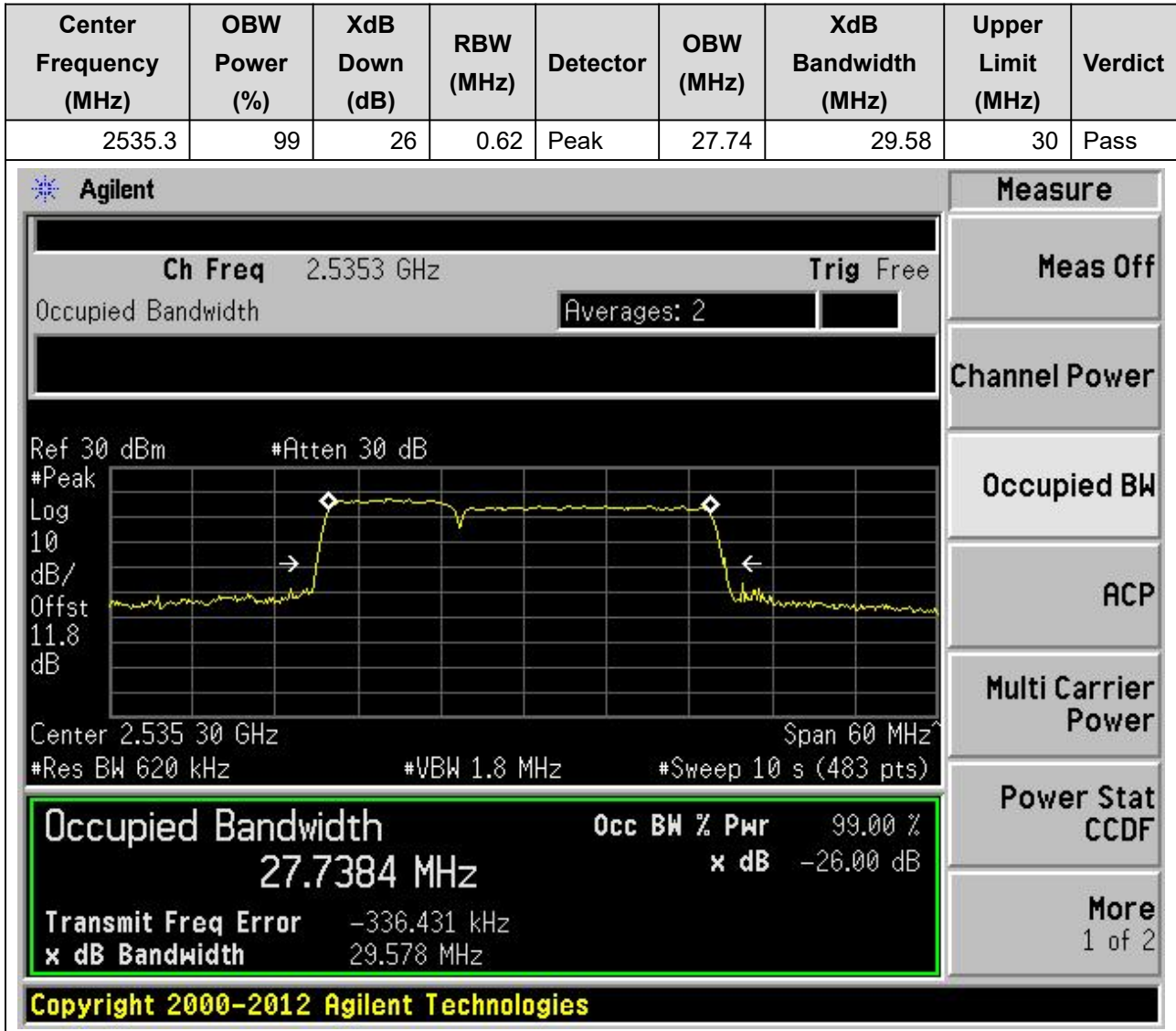
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19. CA_7C

19.1. LTE-A Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:1, Channel:21006|21150, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



**19.2. LTE-A Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:2,
Channel:21006|21150, Bandwidth:10|20MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**



19.3. LTE-A Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:3, Channel:21051|21195, Bandwidth:20|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2534.8	99	26	0.62	Peak	27.83	29.67	30	Pass

Agilent

Ch Freq 2.5348 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

Center 2.53480 GHz Span 60 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

27.8312 MHz x dB -26.00 dB

Transmit Freq Error 334.635 kHz

x dB Bandwidth 29.671 MHz

Measure

Meas Off

Channel Power

Occupied BW

ACP

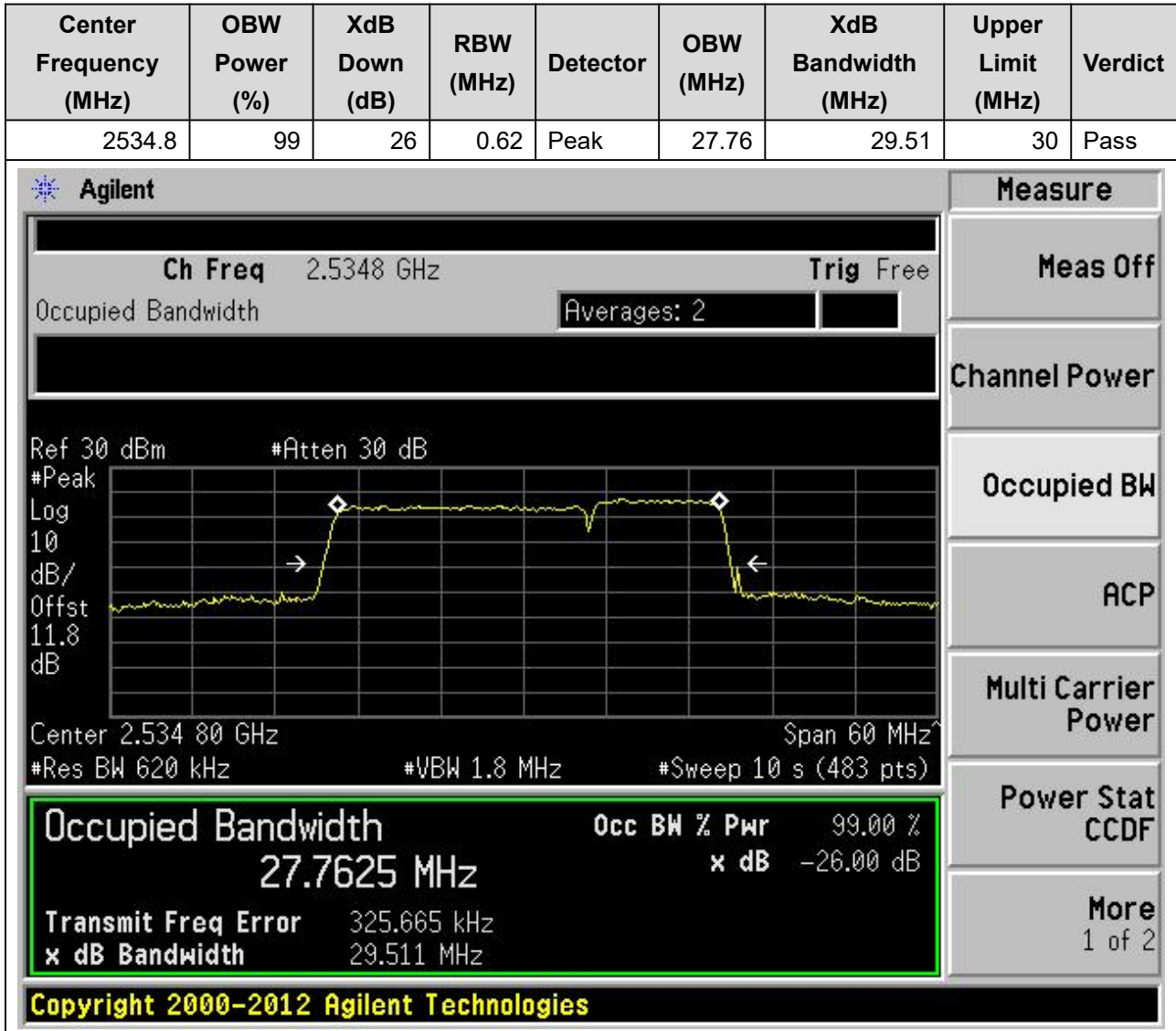
Multi Carrier Power

Power Stat CCDF

More 1 of 2

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**19.4. LTE-A Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:4,
Channel:21051|21195, Bandwidth:20|10MHz, Modulation:16QAM, RB
Number:Full|Full, RB Position:Low|Low)**



19.5. LTE-A Occupied Bandwidth_Part22-24-27(NTNV)(Subtest:5, Channel:21025|21175, Bandwidth:15|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
2535	99	26	0.62	Peak	28.39	30.39	30	Pass

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Ch Freq 2.535 GHz Trig Free

Occupied Bandwidth Averages: 2

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/ Offst 11.8 dB

Center 2.535 00 GHz Span 60 MHz

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

Occupied Bandwidth Occ BW % Pwr 99.00 %

28.3871 MHz x dB -26.00 dB

Transmit Freq Error -10.630 kHz

x dB Bandwidth 30.393 MHz

Measure

Meas Off

Channel Power

Occupied BW

ACP

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